

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052419\  
 Data File : VN055808.D  
 Acq On : 24 May 2019 20:18  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/28/2019 10:36:19 AM

Quant Time: May 25 05:16:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

| Internal Standards            | R.T.  | QIon | Response | Conc    | Units   | Dev(Min) |
|-------------------------------|-------|------|----------|---------|---------|----------|
| 1) Pentafluorobenzene         | 7.66  | 168  | 358155   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.58  | 114  | 512895   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.41 | 117  | 460298   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.34 | 152  | 203383   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.02  | 65   | 181436   | 49.05   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 98.10%  |          |
| 35) Dibromofluoromethane      | 7.59  | 113  | 166089   | 51.22   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 102.44% |          |
| 50) Toluene-d8                | 10.09 | 98   | 626709   | 50.38   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 100.76% |          |
| 62) 4-Bromofluorobenzene      | 12.40 | 95   | 212741   | 49.88   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 99.76%  |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.85  | 85   | 105379   | 43.718  | ug/l    | 100      |
| 3) Chloromethane              | 2.06  | 50   | 147731   | 43.743  | ug/l    | 99       |
| 4) Vinyl Chloride             | 2.18  | 62   | 163694   | 45.444  | ug/l    | 98       |
| 5) Bromomethane               | 2.52  | 94   | 99387    | 44.102  | ug/l    | 100      |
| 6) Chloroethane               | 2.67  | 64   | 103793m  | 47.859  | ug/l    |          |
| 7) Trichlorofluoromethane     | 3.00  | 101  | 220927   | 46.782  | ug/l    | 97       |
| 8) Diethyl Ether              | 3.40  | 74   | 100510   | 47.486  | ug/l    | 98       |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74  | 101  | 136029   | 46.144  | ug/l    | 98       |
| 10) Methyl Iodide             | 3.94  | 142  | 222036   | 51.517  | ug/l    | 99       |
| 11) Tert butyl alcohol        | 4.82  | 59   | 165798   | 234.607 | ug/l    | 99       |
| 12) 1,1-Dichloroethene        | 3.72  | 96   | 143209   | 47.015  | ug/l    | 96       |
| 13) Acrolein                  | 3.60  | 56   | 110631   | 218.625 | ug/l    | 99       |
| 14) Allyl chloride            | 4.31  | 41   | 236304   | 45.254  | ug/l    | 100      |
| 15) Acrylonitrile             | 4.99  | 53   | 396108   | 244.092 | ug/l    | 100      |
| 16) Acetone                   | 3.82  | 43   | 322057   | 198.081 | ug/l    | 98       |
| 17) Carbon Disulfide          | 4.03  | 76   | 375618   | 43.403  | ug/l    | 99       |
| 18) Methyl Acetate            | 4.32  | 43   | 166726   | 50.452  | ug/l    | 98       |
| 19) Methyl tert-butyl Ether   | 5.05  | 73   | 482647   | 47.510  | ug/l    | 99       |
| 20) Methylene Chloride        | 4.54  | 84   | 165106   | 46.890  | ug/l    | 97       |
| 21) trans-1,2-Dichloroethene  | 5.03  | 96   | 152997   | 46.753  | ug/l    | 97       |
| 22) Diisopropyl ether         | 5.95  | 45   | 484001   | 47.656  | ug/l    | 99       |
| 23) Vinyl Acetate             | 5.90  | 43   | 2066609  | 237.331 | ug/l    | 99       |
| 24) 1,1-Dichloroethane        | 5.84  | 63   | 274240   | 46.377  | ug/l    | 99       |
| 25) 2-Butanone                | 6.84  | 43   | 523721   | 230.645 | ug/l    | 100      |
| 26) 2,2-Dichloropropane       | 6.82  | 77   | 198854   | 38.857  | ug/l    | 99       |
| 27) cis-1,2-Dichloroethene    | 6.82  | 96   | 182072   | 47.690  | ug/l    | 98       |
| 28) Bromochloromethane        | 7.19  | 49   | 138095   | 49.050  | ug/l    | 97       |
| 29) Tetrahydrofuran           | 7.22  | 42   | 346553   | 241.004 | ug/l    | 98       |
| 30) Chloroform                | 7.37  | 83   | 282180   | 47.850  | ug/l    | 100      |
| 31) Cyclohexane               | 7.65  | 56   | 247821   | 44.639  | ug/l    | 97       |
| 32) 1,1,1-Trichloroethane     | 7.57  | 97   | 247273   | 46.989  | ug/l    | 99       |
| 36) 1,1-Dichloropropene       | 7.79  | 75   | 210571   | 47.111  | ug/l    | 99       |
| 37) Ethyl Acetate             | 6.93  | 43   | 215118   | 49.796  | ug/l    | 100      |
| 38) Carbon Tetrachloride      | 7.77  | 117  | 220277   | 47.313  | ug/l    | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 5/28/2019 10:36:19 AM

Quant Time: May 25 05:16:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 24 06:41:54 2019  
 Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|---------|--------|----------|
| 39) Methylcyclohexane          | 9.08  | 83   | 254982   | 46.068  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 653552   | 48.516  | ug/l   | 99       |
| 41) Methacrylonitrile          | 7.18  | 41   | 99563    | 45.620  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 212401   | 48.254  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 348414   | 48.002  | ug/l # | 93       |
| 44) Trichloroethene            | 8.83  | 130  | 187999   | 50.061  | ug/l   | 99       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 171435   | 48.846  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 113548   | 49.332  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.40  | 83   | 222340   | 47.109  | ug/l   | 99       |
| 48) Methyl methacrylate        | 9.20  | 41   | 169845   | 50.774  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.21  | 88   | 69064    | 993.513 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 1056091  | 246.363 | ug/l   | 99       |
| 52) Toluene                    | 10.16 | 92   | 419111   | 49.469  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 240951   | 47.828  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 267355   | 47.904  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 168254   | 49.574  | ug/l   | 98       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 258911   | 49.360  | ug/l   | 100      |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 274157   | 49.694  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 504356   | 251.603 | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 724507   | 238.243 | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 194227   | 49.124  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 180058   | 51.146  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 189122   | 48.715  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 451661   | 49.016  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 176901   | 48.135  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 794549   | 48.083  | ug/l   | 99       |
| 68) m/p-Xylenes                | 11.62 | 106  | 607077   | 97.178  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 298935   | 48.231  | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 497845   | 49.601  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 148874   | 47.492  | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 782949   | 54.350  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 280177   | 50.914  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 230115   | 53.967  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 193216m  | 55.520  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 211666   | 48.771  | ug/l   | 96       |
| 78) n-propylbenzene            | 12.59 | 91   | 832385   | 47.089  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 501905   | 52.859  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 641517   | 52.825  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 68118    | 45.063  | ug/l   | 99       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 491376   | 47.290  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 564233   | 53.834  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 632525   | 52.126  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 722543   | 52.911  | ug/l   | 100      |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 661246   | 46.817  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 335278   | 48.788  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 322085   | 49.297  | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 496880   | 45.914  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 119607   | 44.490  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 333232   | 48.603  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 41506    | 46.058  | ug/l   | 93       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
APPROVED

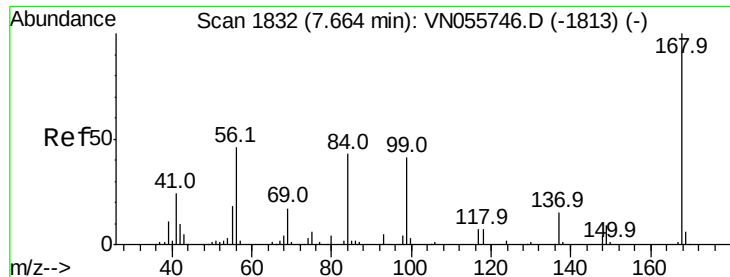
MMDadoda  
5/28/2019 10:36:19 AM

Quant Time: May 25 05:16:55 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_N\METHODS\82N052319W.M  
Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|-------|------|----------|--------|-------|----------|
| 93) 1,2,4-Trichlorobenzene | 14.91 | 180  | 181829   | 46.378 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 119427   | 49.476 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 507489   | 53.941 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 192719   | 53.174 | ug/l  | 100      |

(#) = qualifier out of range (m) = manual integration (+) = signals summed





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 358155

Ion Ratio Lower Upper

168 100

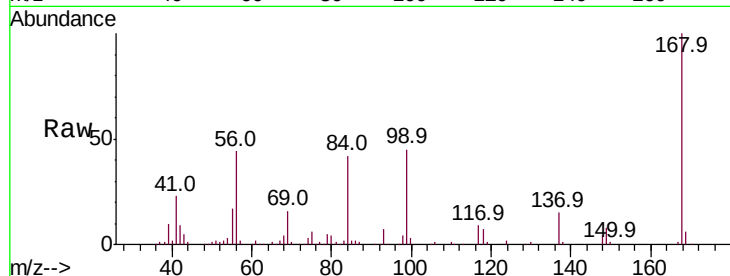
99 45.0 37.2 55.8

Manual Integrations

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5/28/2019 10:36:19 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

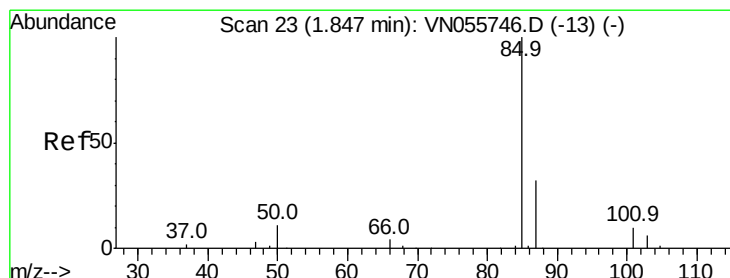
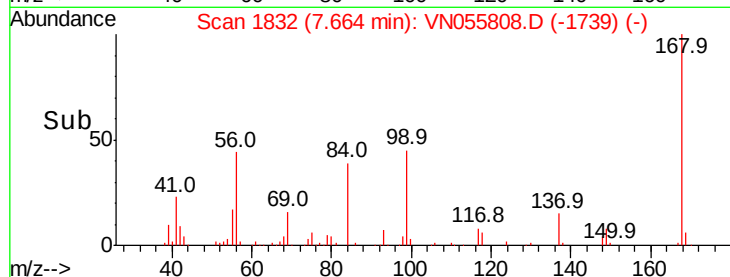
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50000

0

7.50 7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 43.718 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055808.D

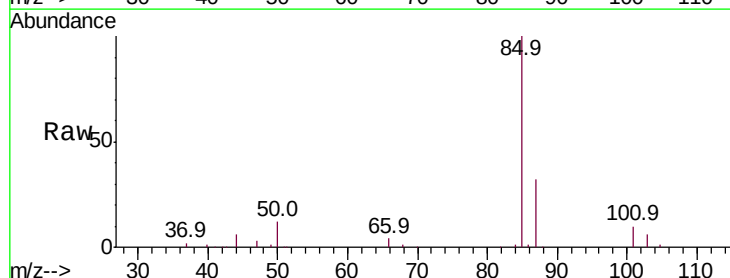
Acq: 24 May 2019 20:18

Tgt Ion: 85 Resp: 105379

Ion Ratio Lower Upper

85 100

87 32.1 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

60000

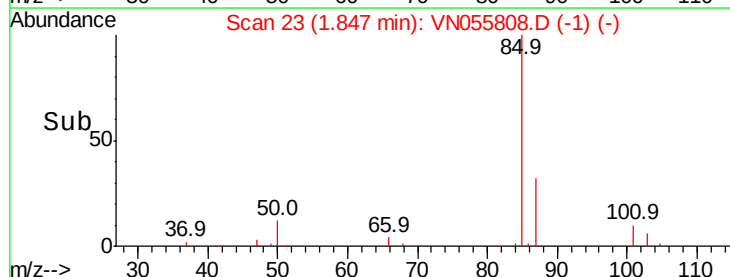
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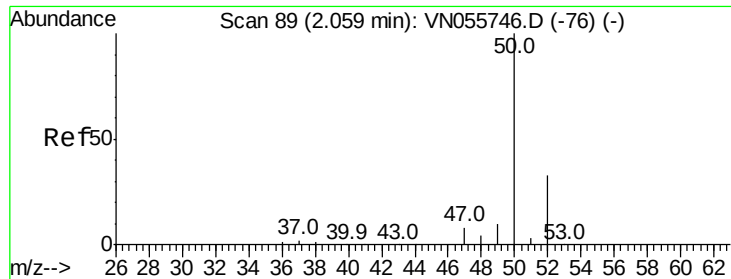
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0

1.80 1.90

Time-->





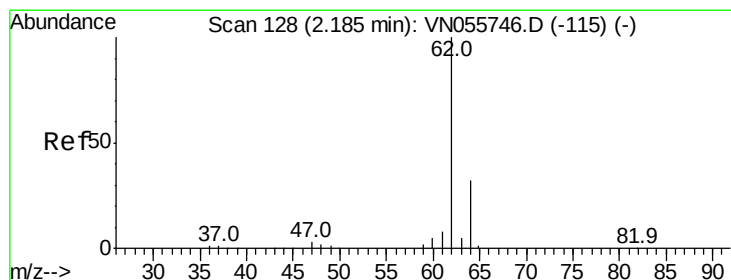
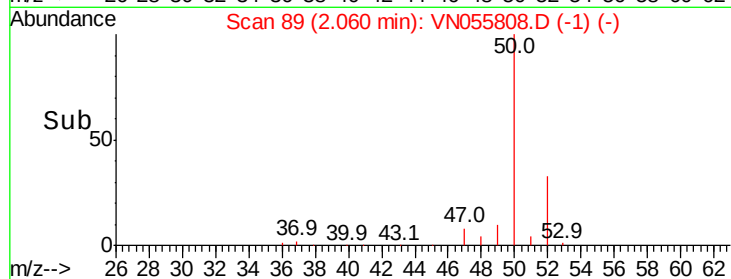
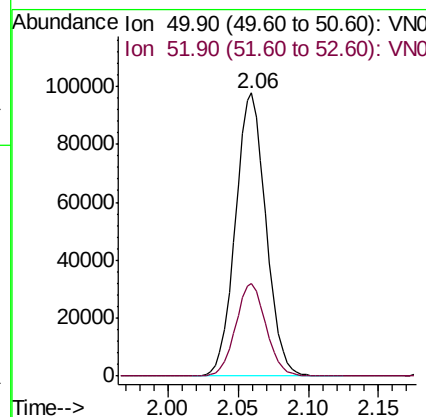
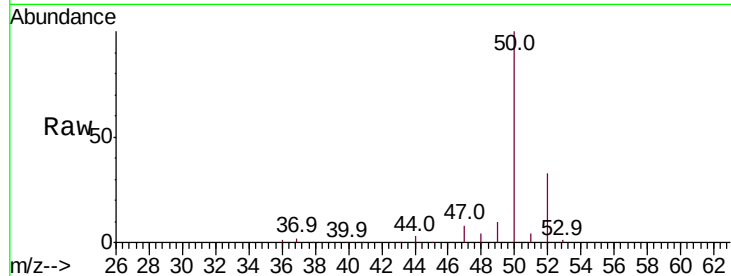
#3  
Chloromethane  
Concen: 43.743 ug/l  
RT: 2.06 min Scan# 89  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 50   | Resp  | 147731 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 52        | 32.8 | 26.6  | 40.0   |

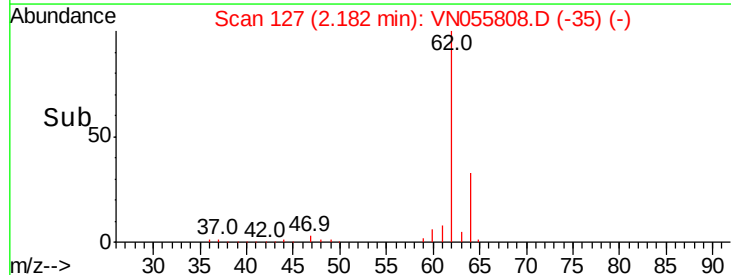
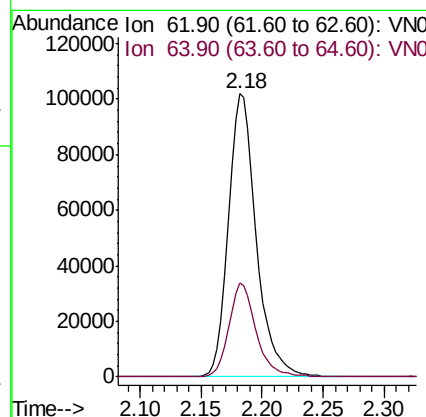
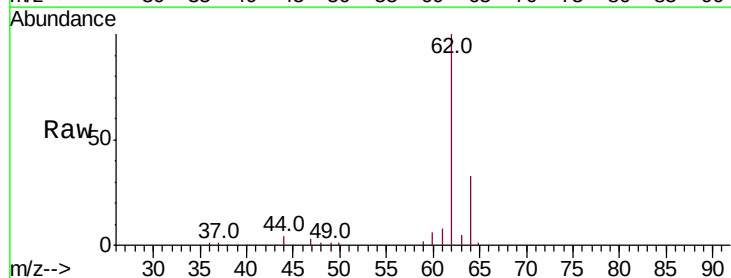
Manual Integrations  
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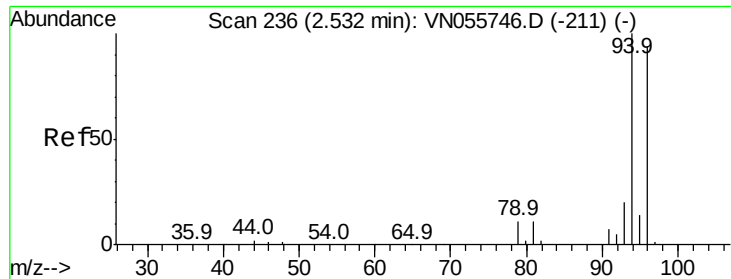
MMDadoda  
5/28/2019 10:36:19 AM



#4  
Vinyl Chloride  
Concen: 45.444 ug/l  
RT: 2.18 min Scan# 127  
Delta R.T. -0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion   | 62   | Resp  | 163694 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 64        | 33.0 | 25.6  | 38.4   |





#5

Bromomethane

Concen: 44.102 ug/l

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 99387

Ion Ratio Lower Upper

94 100

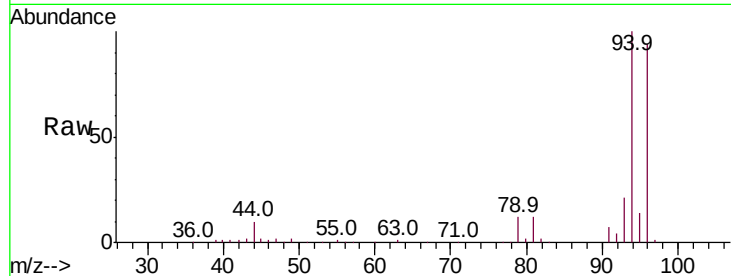
96 94.4 75.5 113.3

Manual Integrations

APPROVED

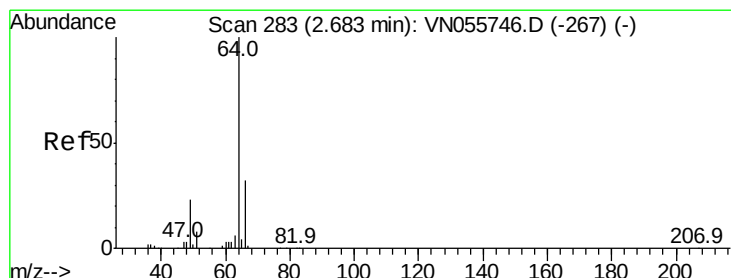
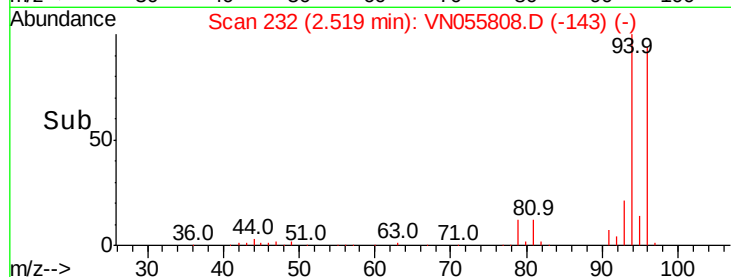
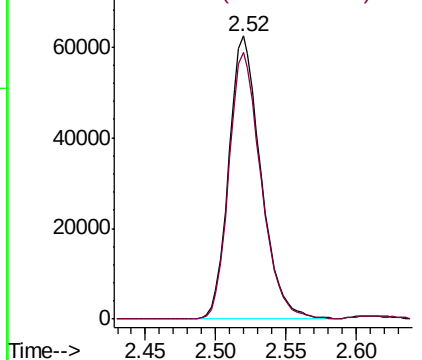
MMDadoda

5/28/2019 10:36:19 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 47.859 ug/l m

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN055808.D

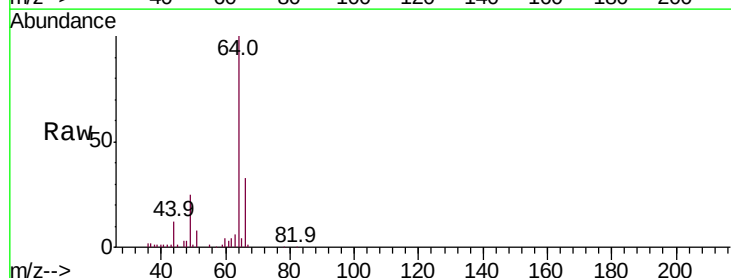
Acq: 24 May 2019 20:18

Tgt Ion: 64 Resp: 103793

Ion Ratio Lower Upper

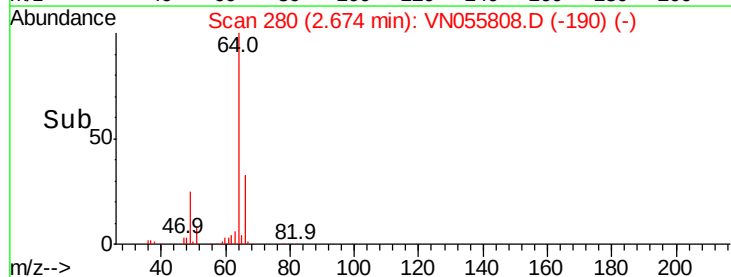
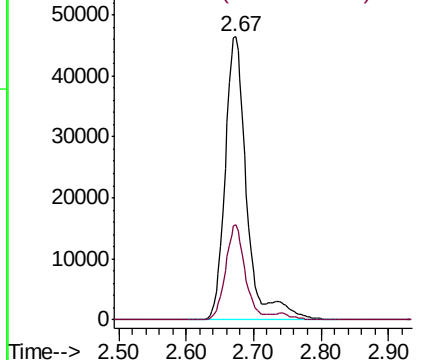
64 100

66 33.5 25.4 38.0

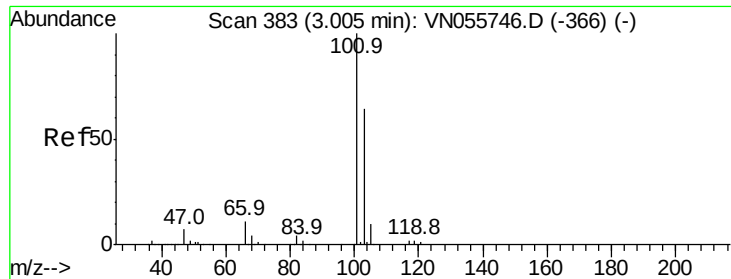


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0







#7

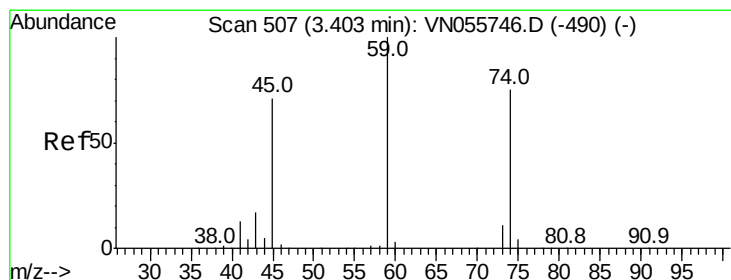
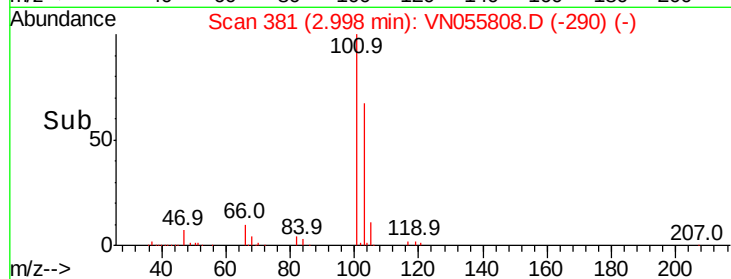
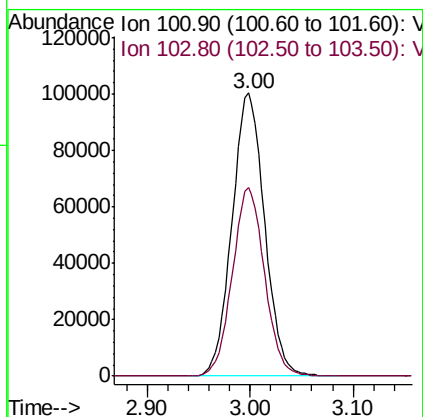
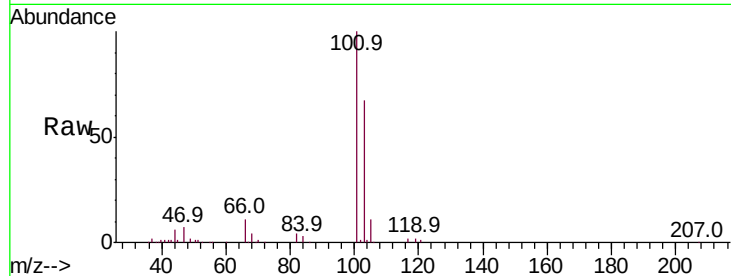
Trichlorofluoromethane  
 Concen: 46.782 ug/l  
 RT: 3.00 min Scan# 381  
 Delta R.T. -0.01 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 66.5  | 51.2  | 76.8  |

Manual Integrations  
 APPROVED

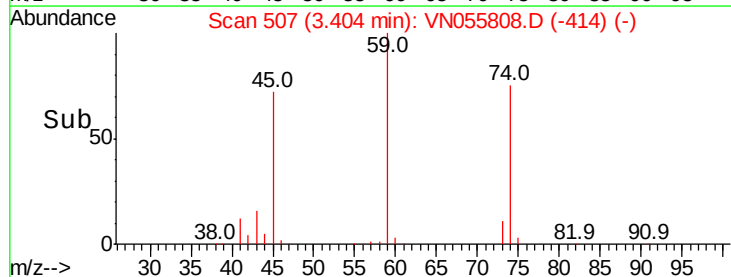
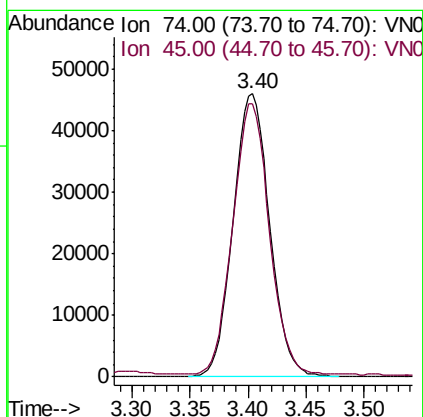
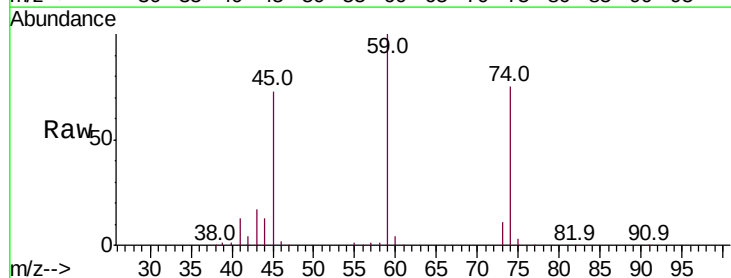
MMDadoda  
 5/28/2019 10:36:19 AM



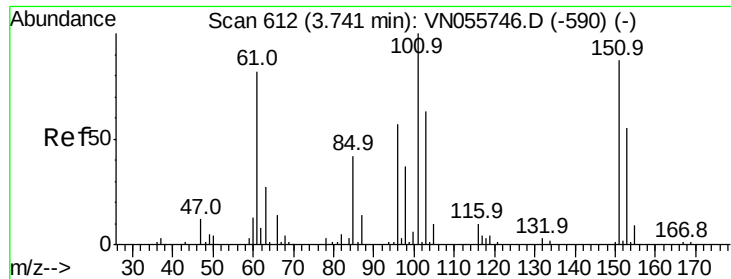
#8

Diethyl Ether  
 Concen: 47.486 ug/l  
 RT: 3.40 min Scan# 507  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 95.0  | 48.6  | 145.9 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.144 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

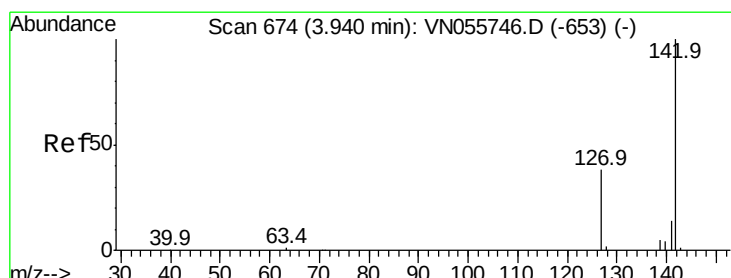
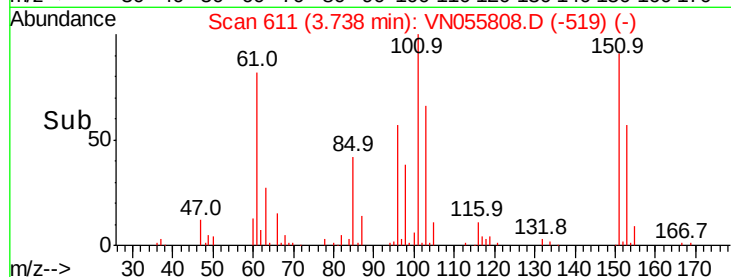
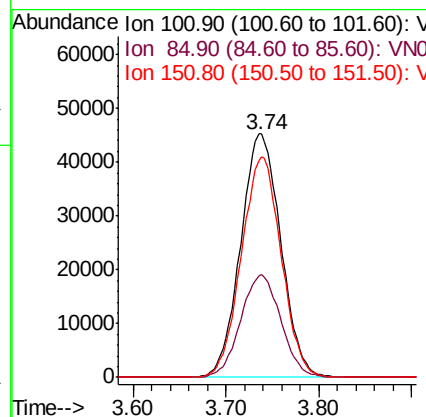
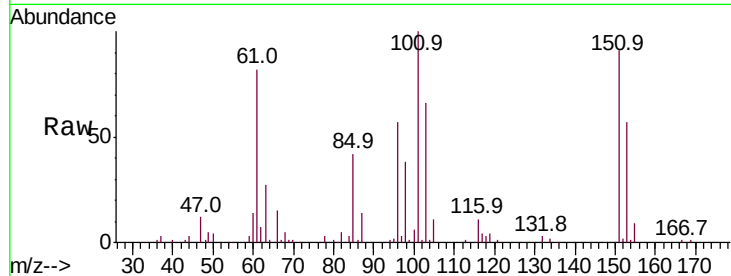
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 136029 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 42.1  | 33.4  | 50.2   |
| 151       | 89.8  | 69.4  | 104.2  |

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#10

Methyl Iodide

Concen: 51.517 ug/l

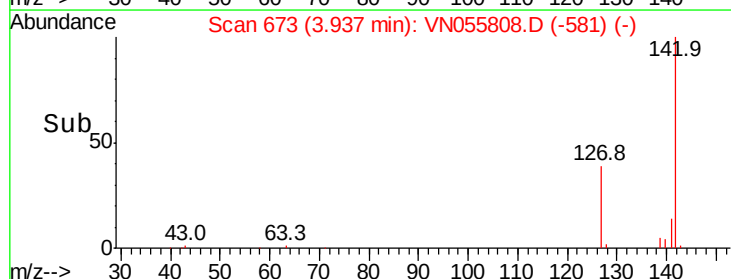
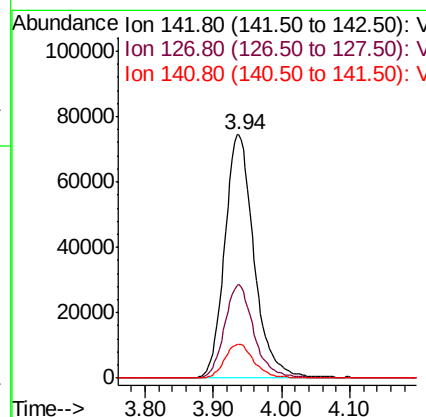
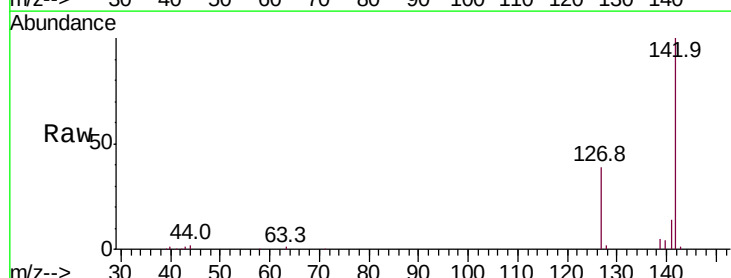
RT: 3.94 min Scan# 673

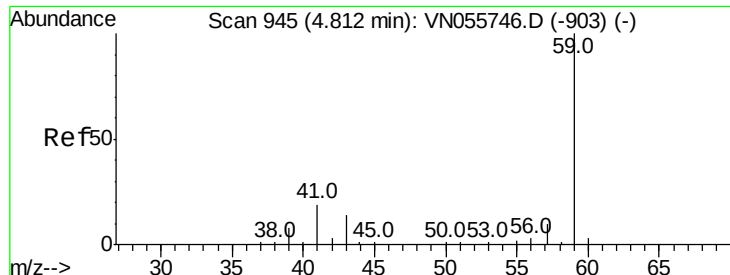
Delta R.T. -0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 222036 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.3  | 31.0  | 46.4   |
| 141       | 14.0  | 11.4  | 17.0   |





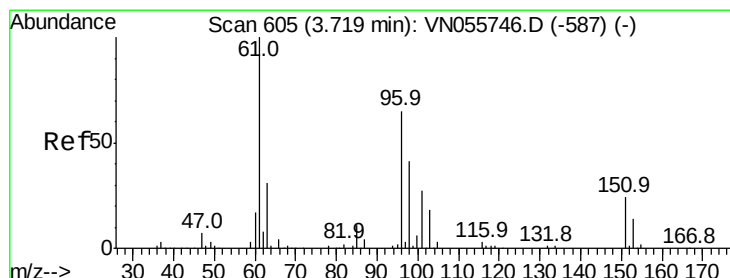
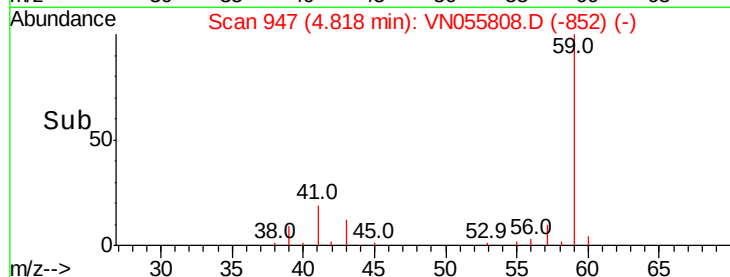
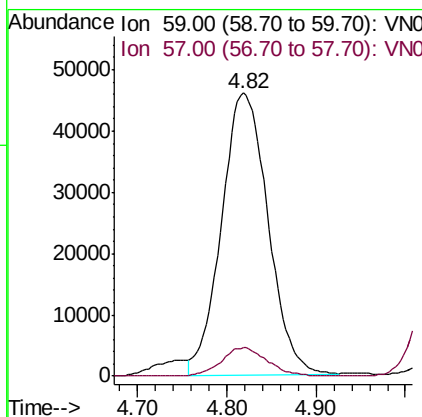
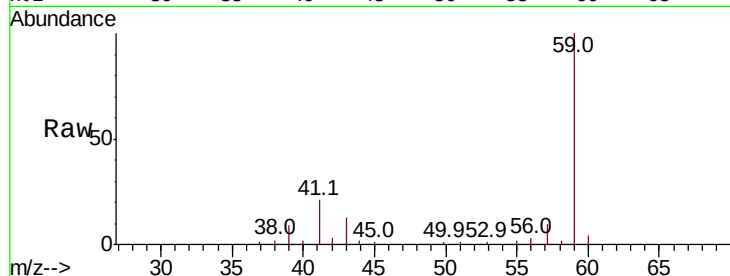
#11  
Tert butyl alcohol  
Concen: 234.607 ug/l  
RT: 4.82 min Scan# 947  
Delta R.T. 0.01 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 10.1  | 7.8   | 11.6  |

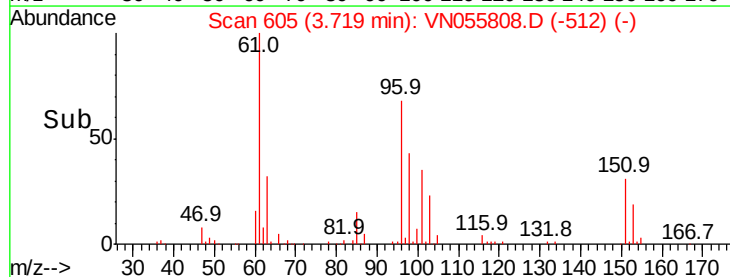
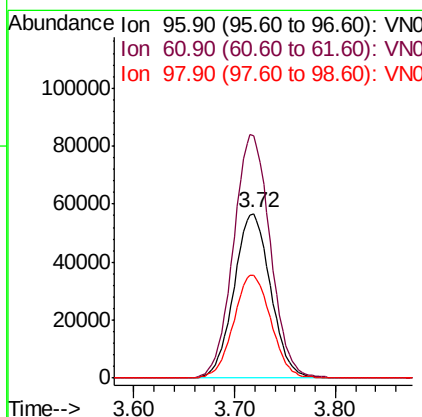
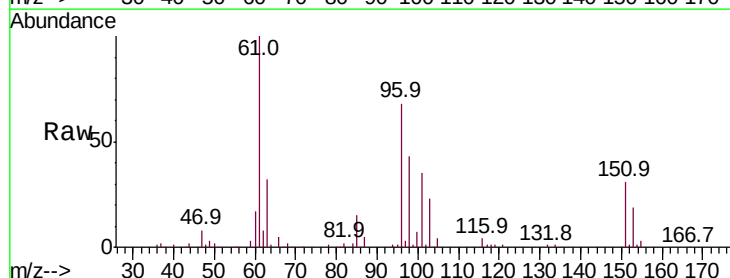
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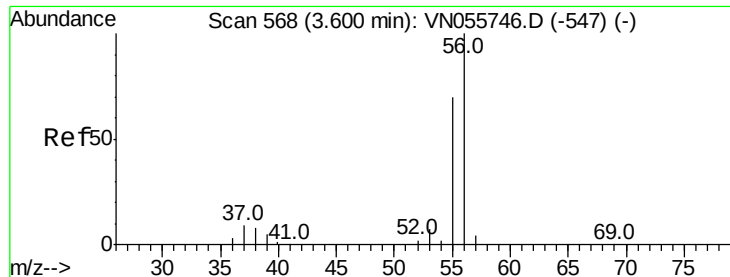
MMDadoda  
5/28/2019 10:36:19 AM



#12  
1,1-Dichloroethene  
Concen: 47.015 ug/l  
RT: 3.72 min Scan# 605  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 147.2 | 123.2 | 184.8 |
| 98      | 62.6  | 50.4  | 75.6  |





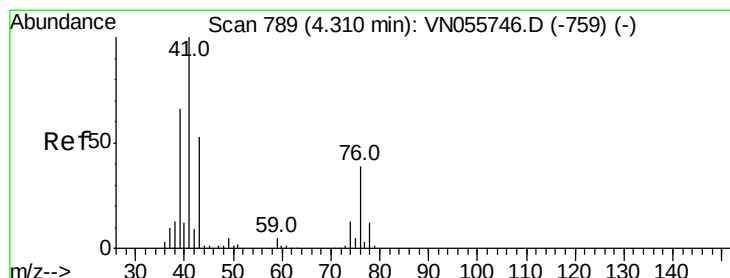
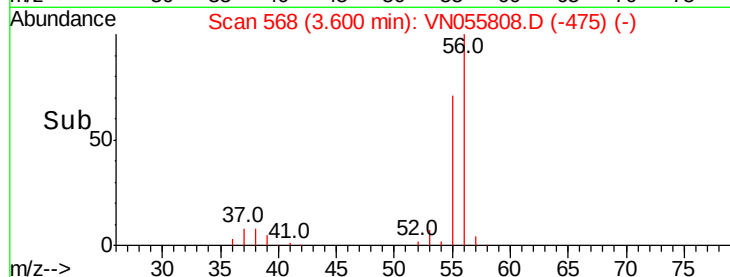
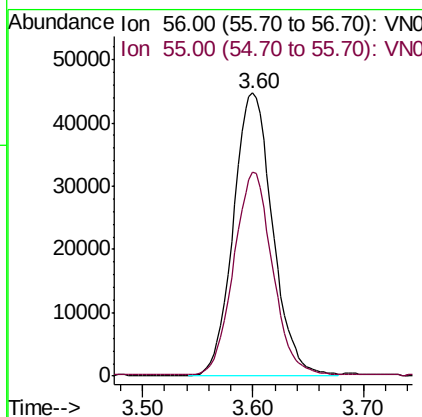
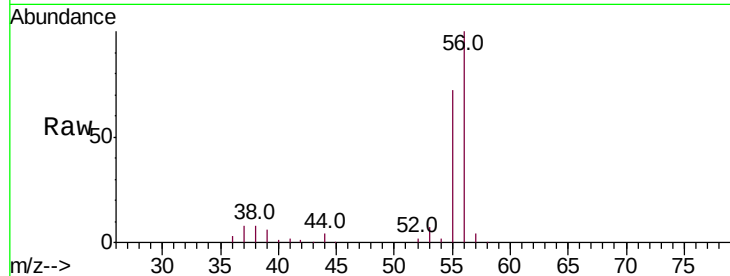
#13  
Acrolein  
Concen: 218.625 ug/l  
RT: 3.60 min Scan# 568  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 56    | Resp  | 110631 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 55        | 70.3  | 55.4  | 83.2   |

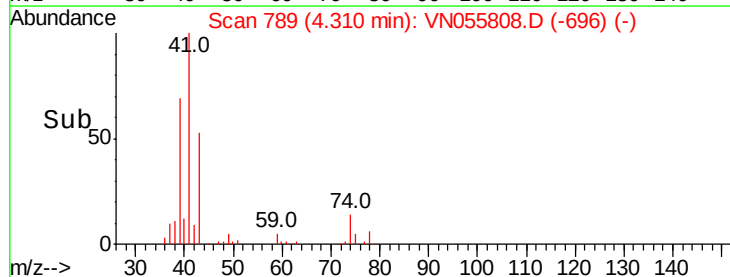
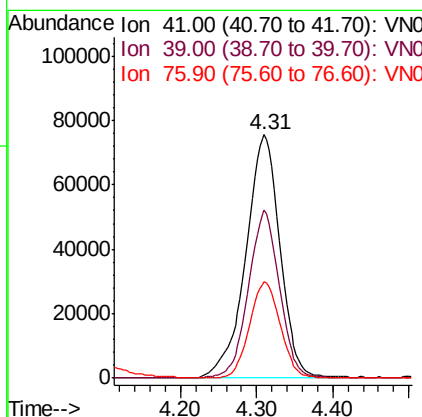
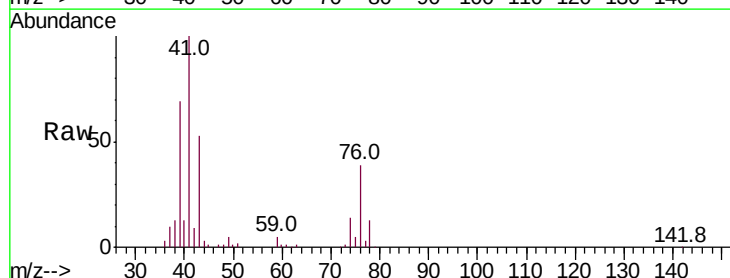
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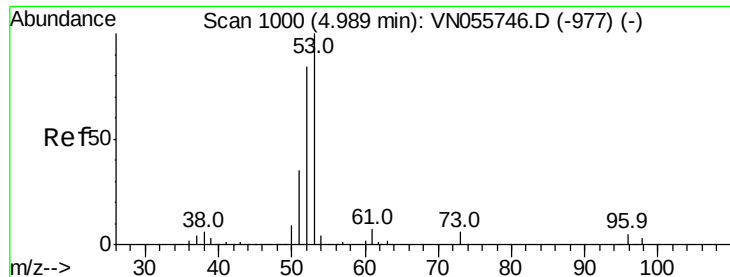
MMDadoda  
5/28/2019 10:36:19 AM



#14  
Allyl chloride  
Concen: 45.254 ug/l  
RT: 4.31 min Scan# 789  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion   | 41    | Resp  | 236304 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 62.6  | 50.0  | 75.0   |
| 76        | 35.6  | 28.2  | 42.2   |





#15

Acrylonitrile

Concen: 244.092 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

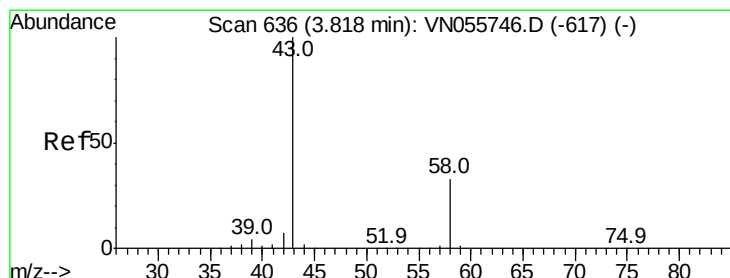
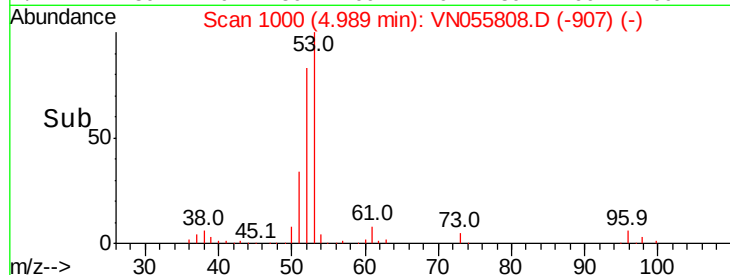
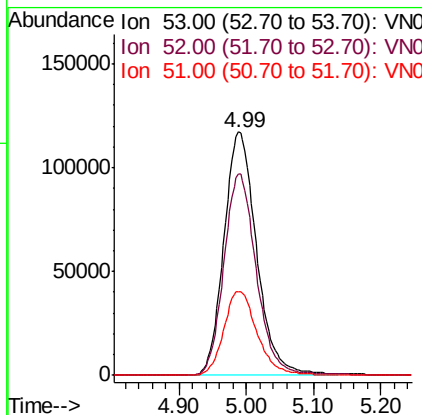
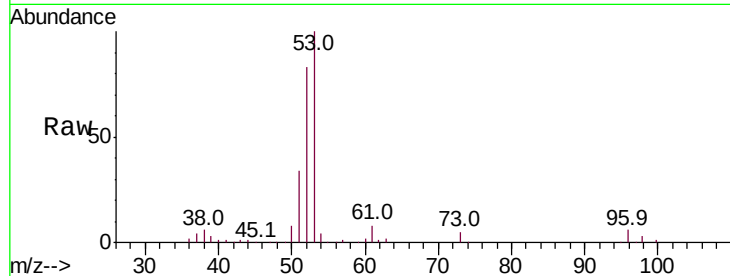
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 396108 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.2  | 65.8  | 98.8   |
| 51        | 35.2  | 28.2  | 42.4   |

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#16

Acetone

Concen: 198.081 ug/l

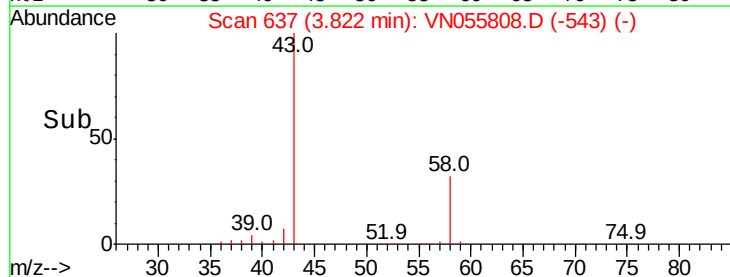
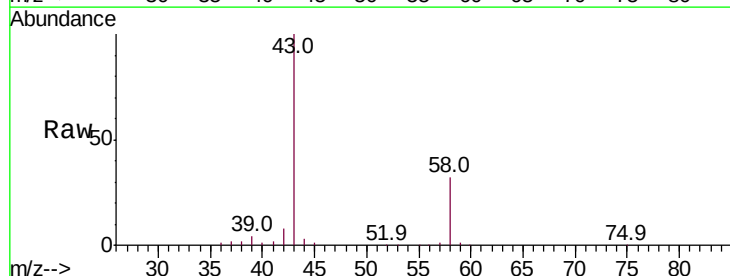
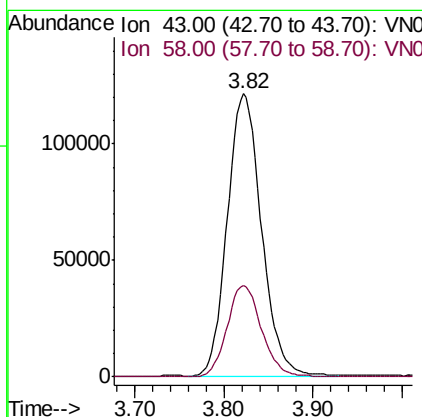
RT: 3.82 min Scan# 637

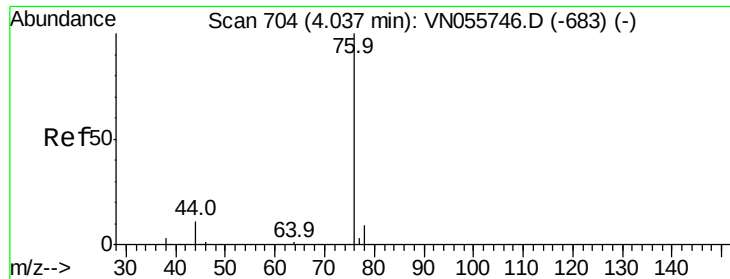
Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 322057 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.2  | 26.6  | 39.8   |





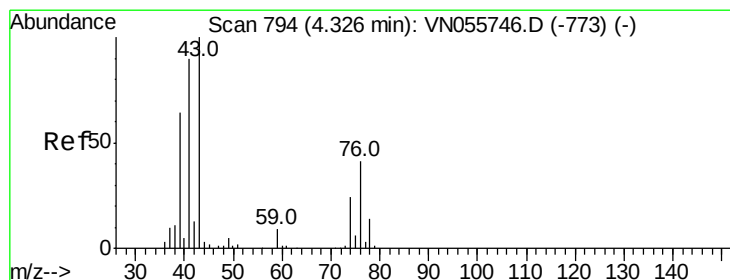
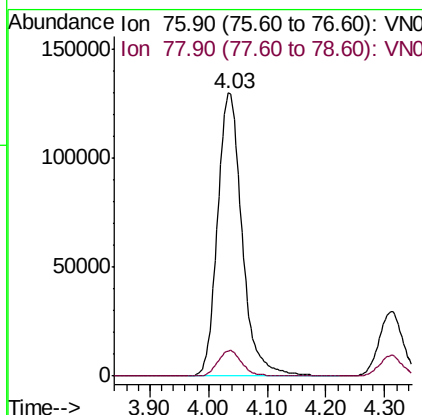
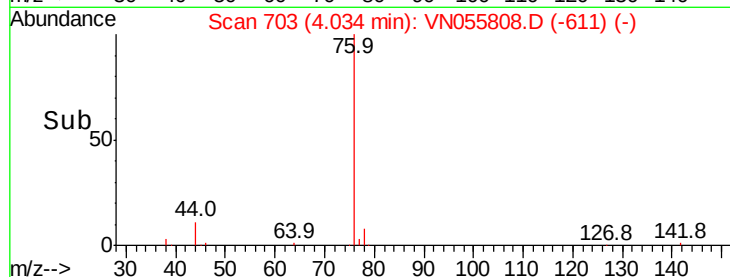
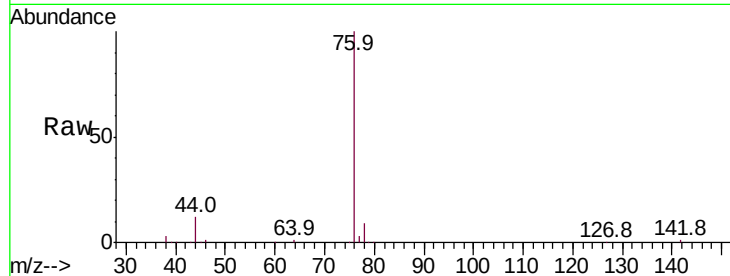
#17  
Carbon Disulfide  
Concen: 43.403 ug/l  
RT: 4.03 min Scan# 703  
Delta R.T. -0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 8.9   | 7.4   | 11.2  |

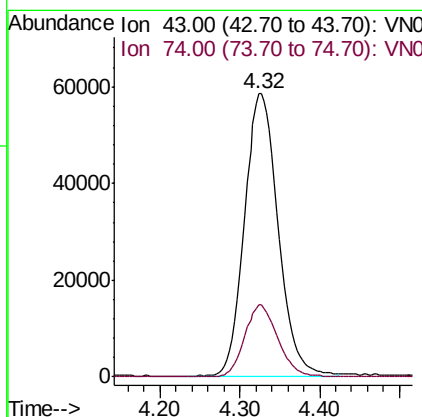
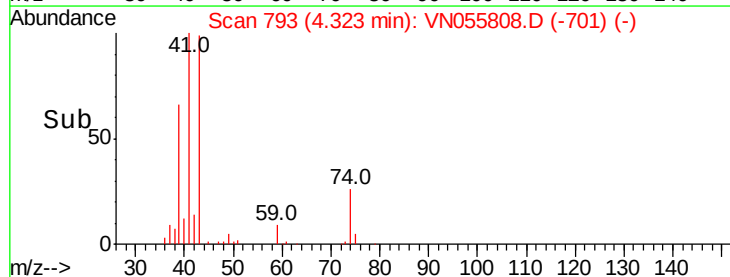
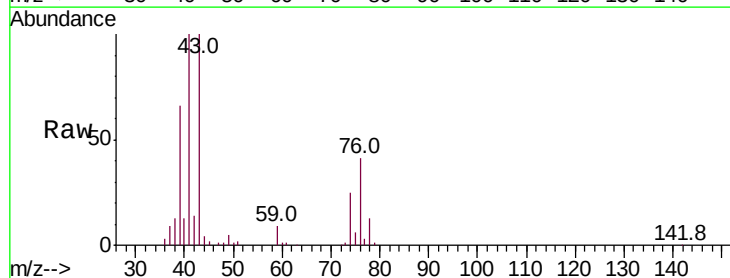
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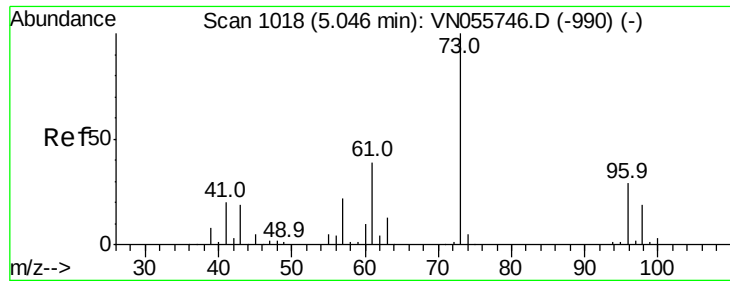
MMDadoda  
5/28/2019 10:36:19 AM



#18  
Methyl Acetate  
Concen: 50.452 ug/l  
RT: 4.32 min Scan# 793  
Delta R.T. -0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 25.2  | 19.3  | 28.9  |





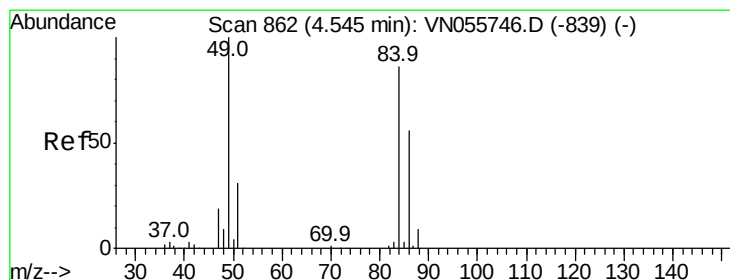
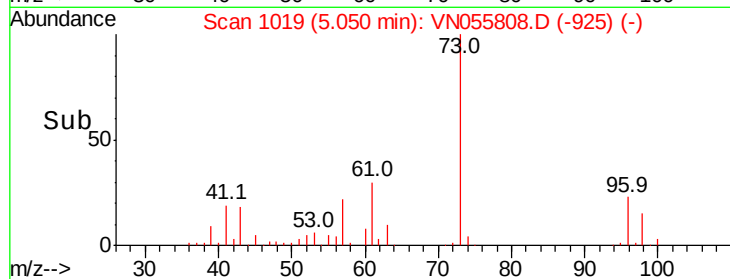
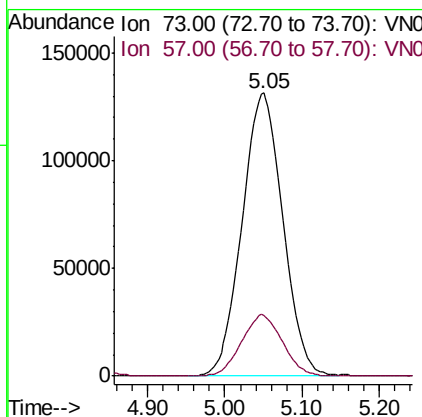
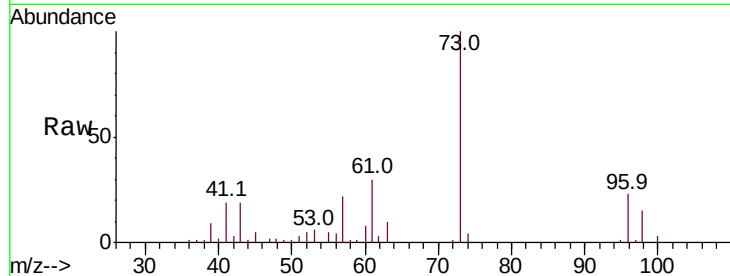
#19  
Methyl tert-butyl Ether  
Concen: 47.510 ug/l  
RT: 5.05 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 482647  
Ion Ratio Lower Upper  
73 100  
57 21.7 17.8 26.8

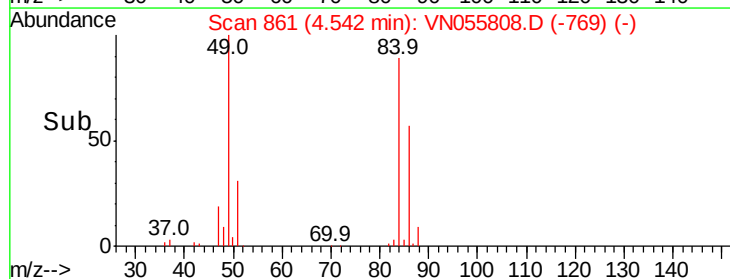
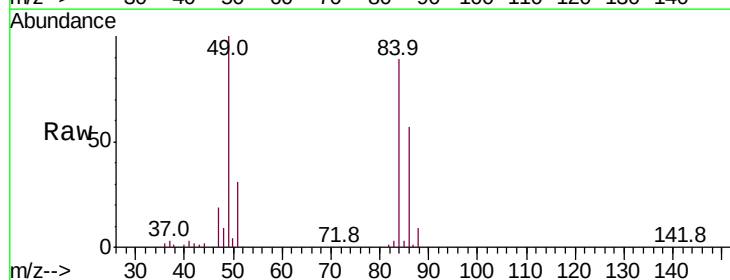
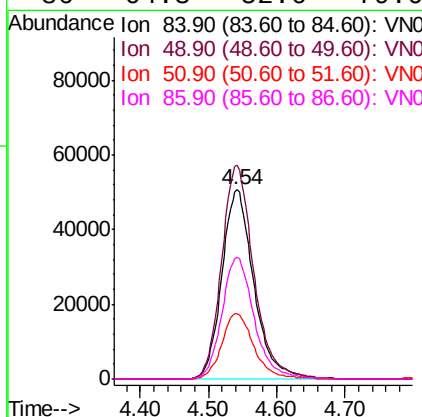
Manual Integrations  
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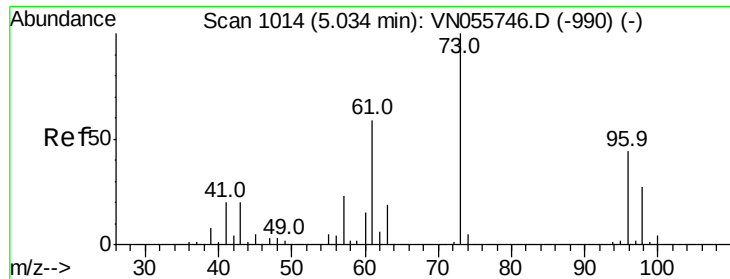
MMDadoda  
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#20  
Methylene Chloride  
Concen: 46.890 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Tgt Ion: 84 Resp: 165106  
Ion Ratio Lower Upper  
84 100  
49 112.8 93.5 140.3  
51 34.5 28.6 43.0  
86 64.3 52.6 79.0





#21

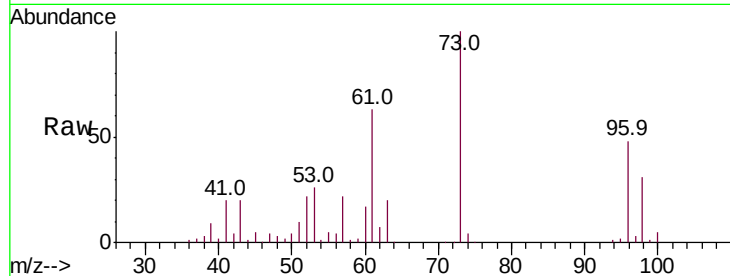
trans-1,2-Dichloroethene  
Concen: 46.753 ug/l  
RT: 5.03 min Scan# 1013  
Delta R.T. -0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 131.5 | 107.8 | 161.8 |
| 98      | 64.8  | 49.8  | 74.8  |

Manual Integrations  
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5/28/2019 10:36:19 AM

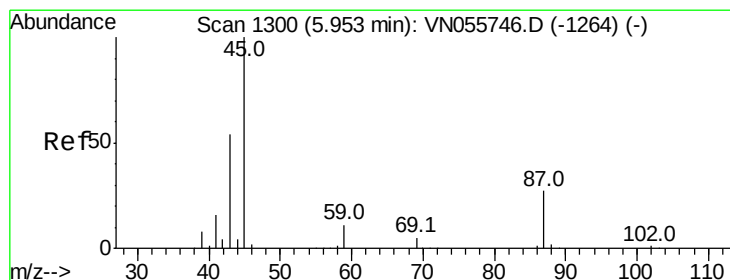
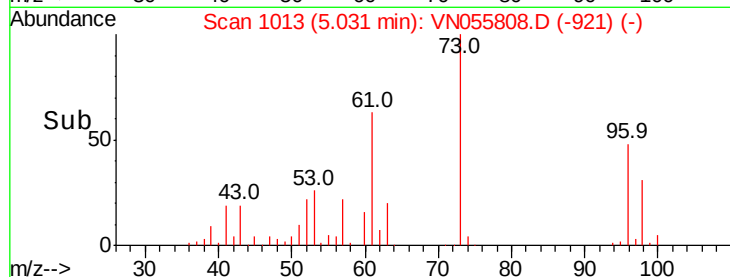
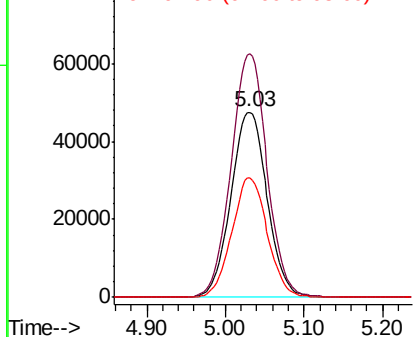


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether  
Concen: 47.656 ug/l  
RT: 5.95 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 56.6  | 45.0  | 67.6  |
| 87      | 29.5  | 22.2  | 33.4  |
| 59      | 11.5  | 9.1   | 13.7  |

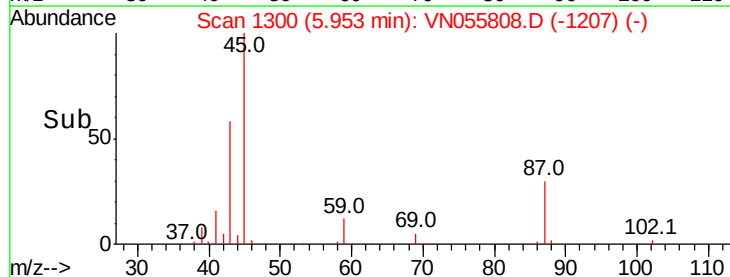
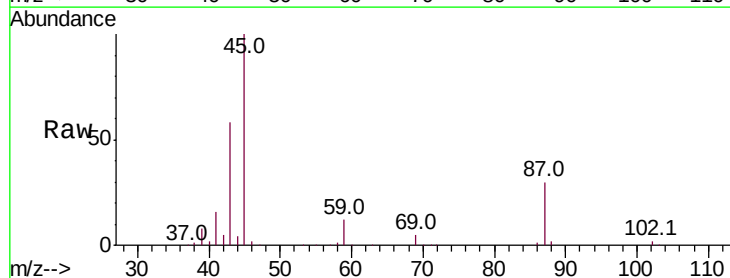
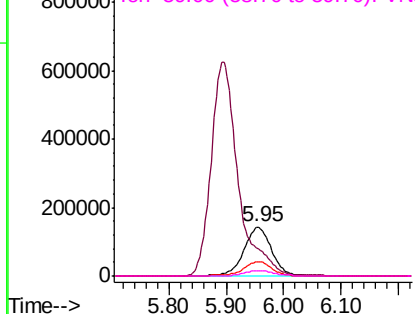
Abundance

Ion 45.00 (44.70 to 45.70): VN0

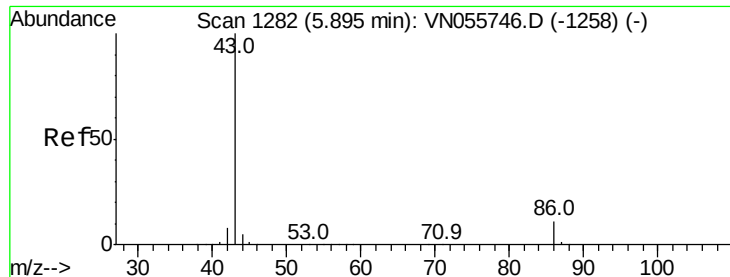
Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0







#23

Vinyl Acetate

Concen: 237.331 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2066609

Ion Ratio Lower Upper

43 100

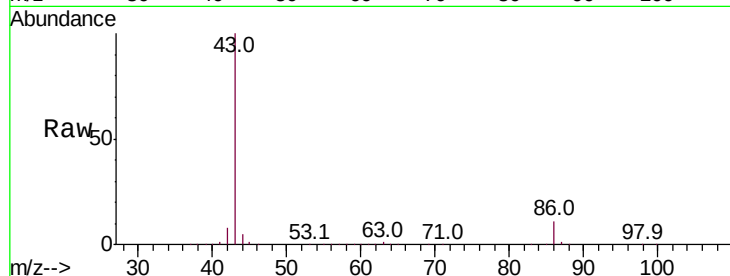
86 11.2 8.6 13.0

Manual Integrations

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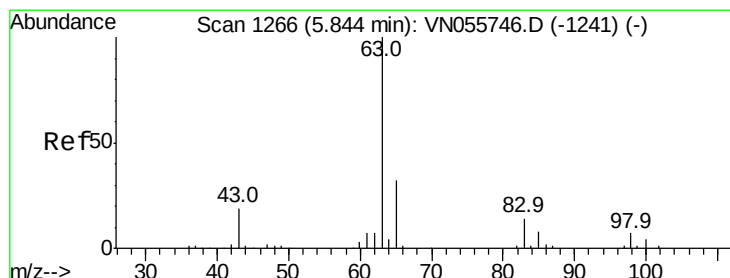
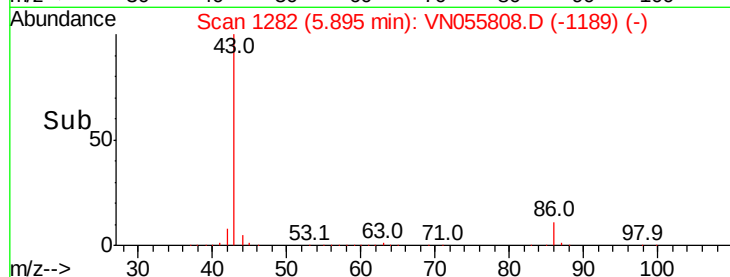
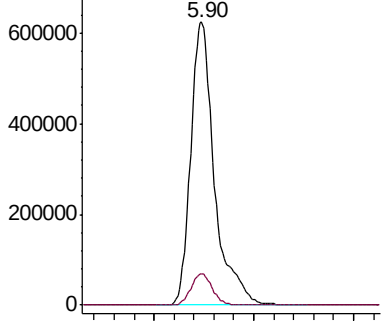
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 86.00 (85.70 to 86.70): VNO



#24

1,1-Dichloroethane

Concen: 46.377 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

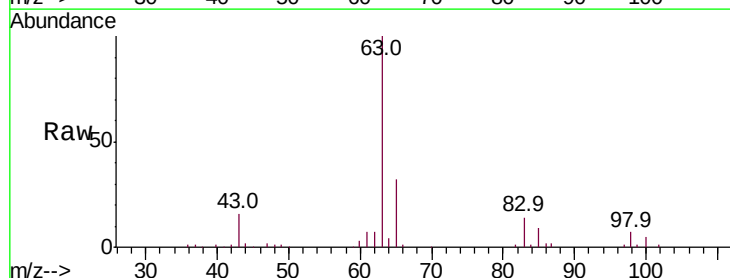
Tgt Ion: 63 Resp: 274240

Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.1

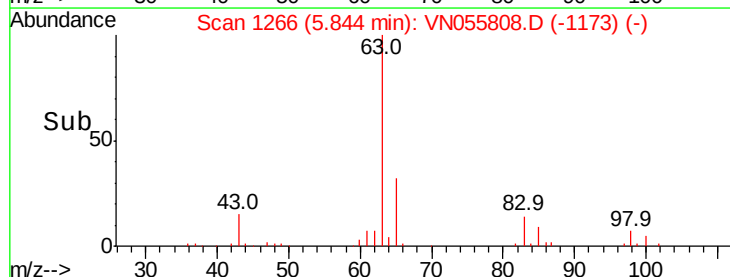
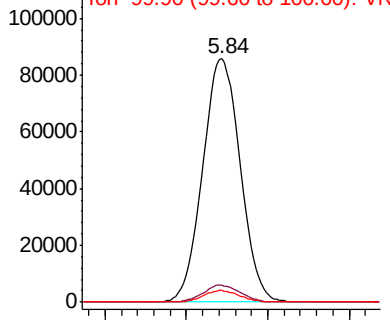
100 4.8 2.2 6.6

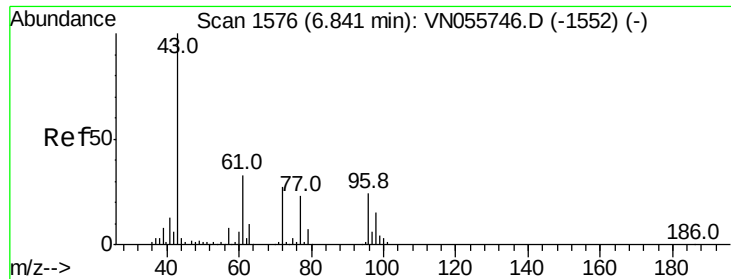


Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

Ion 99.90 (99.60 to 100.60): VNO





#25

2-Butanone

Concen: 230.645 ug/l

RT: 6.84 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 523721

Ion Ratio Lower Upper

43 100

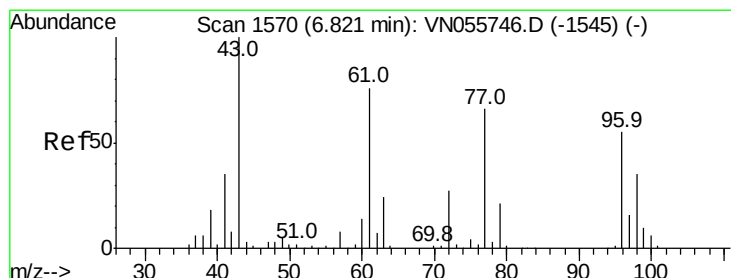
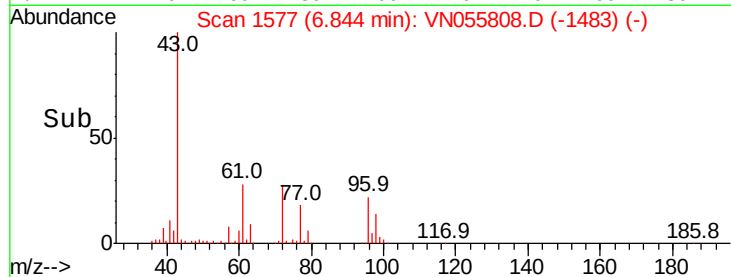
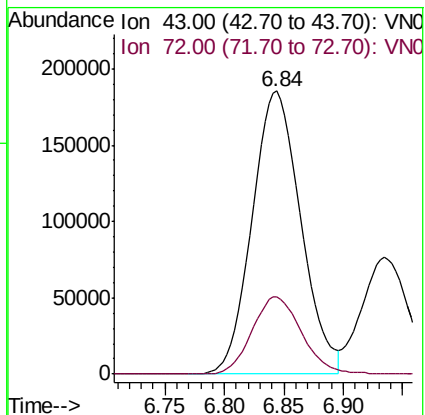
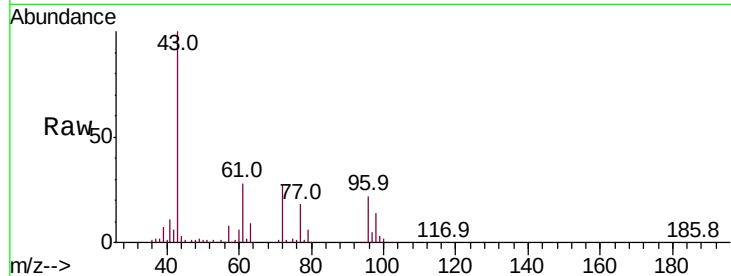
72 27.5 21.9 32.9

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 38.857 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055808.D

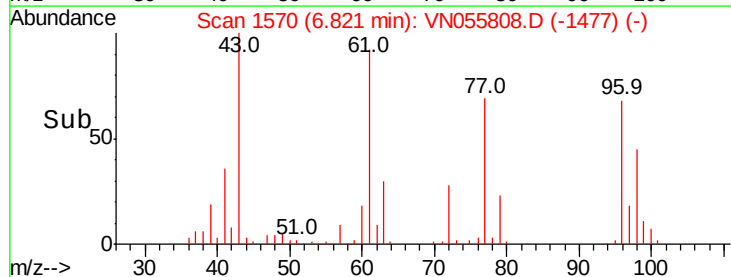
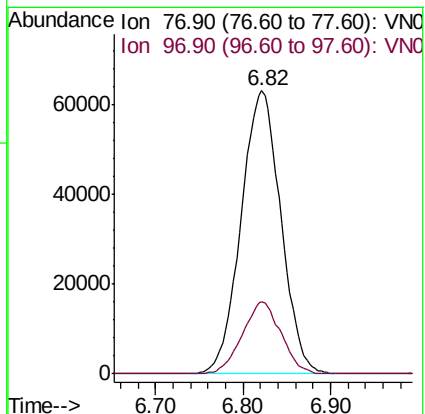
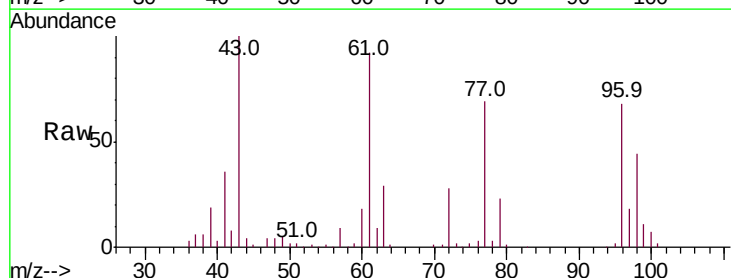
Acq: 24 May 2019 20:18

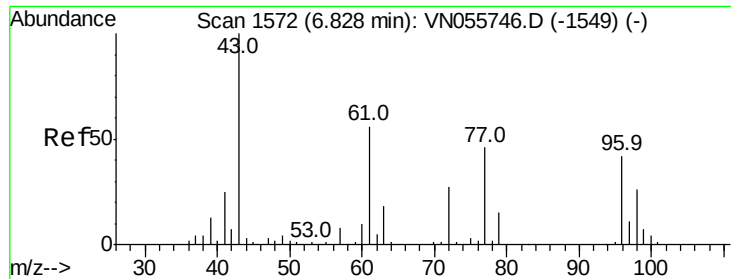
Tgt Ion: 77 Resp: 198854

Ion Ratio Lower Upper

77 100

97 24.9 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 47.690 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

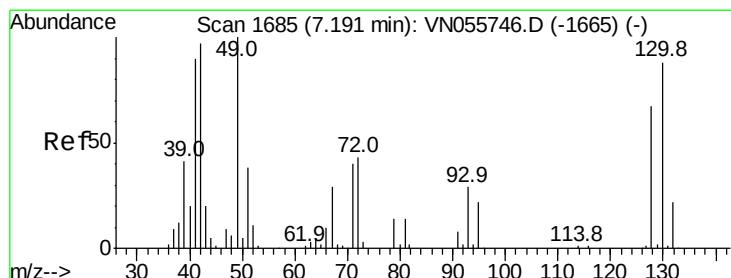
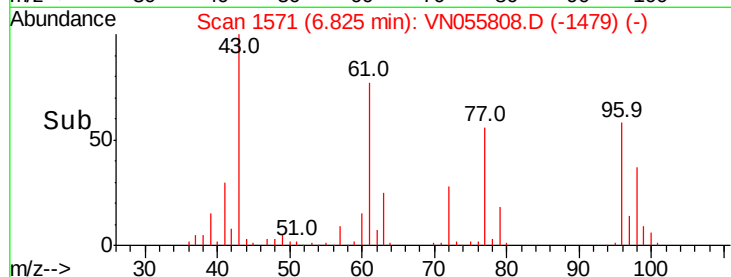
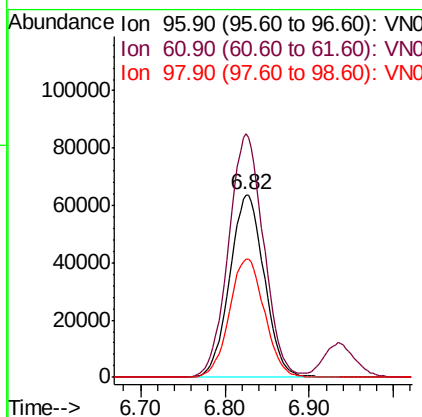
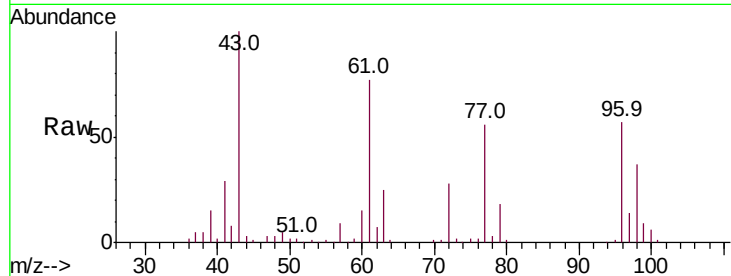
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 96    | Resp: | 182072 |
| Ion Ratio | Lower | Upper |        |
| 96        | 100   |       |        |
| 61        | 135.1 | 0.0   | 275.8  |
| 98        | 65.7  | 0.0   | 128.4  |

Manual Integrations  
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#28

Bromochloromethane

Concen: 49.050 ug/l

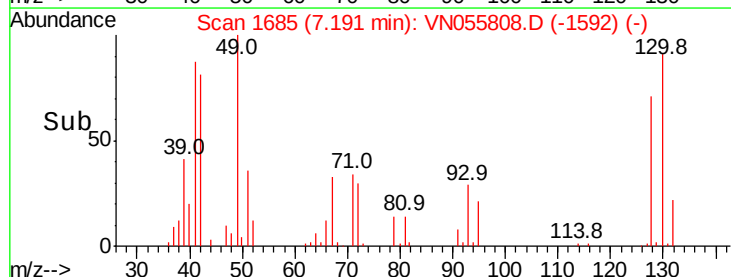
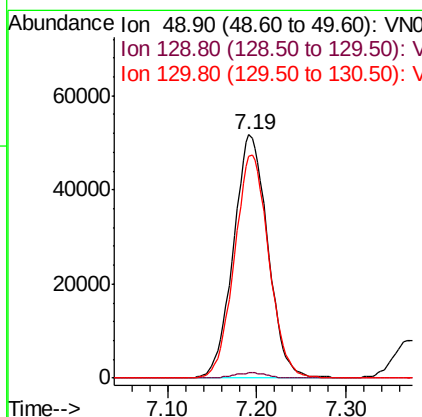
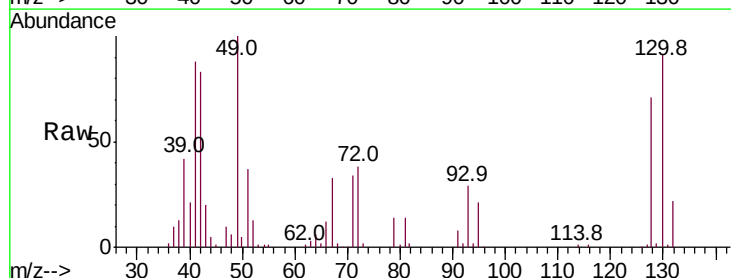
RT: 7.19 min Scan# 1685

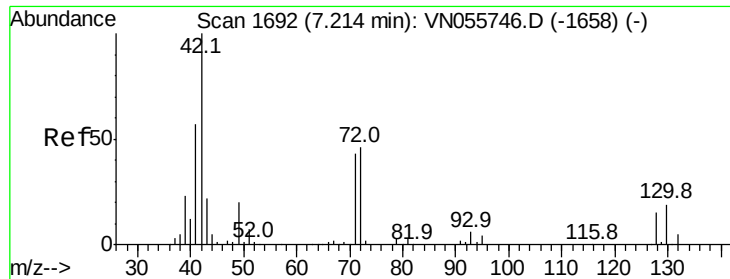
Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 49    | Resp: | 138095 |
| Ion Ratio | Lower | Upper |        |
| 49        | 100   |       |        |
| 129       | 2.0   | 0.0   | 4.4    |
| 130       | 91.8  | 71.2  | 106.8  |





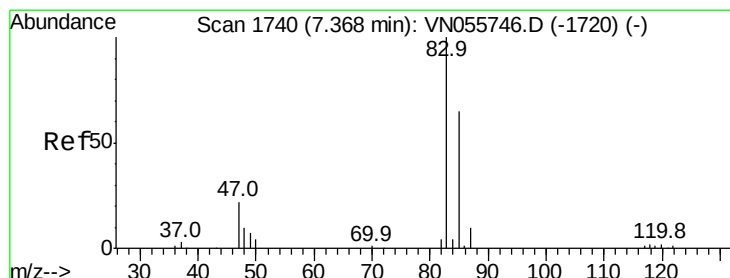
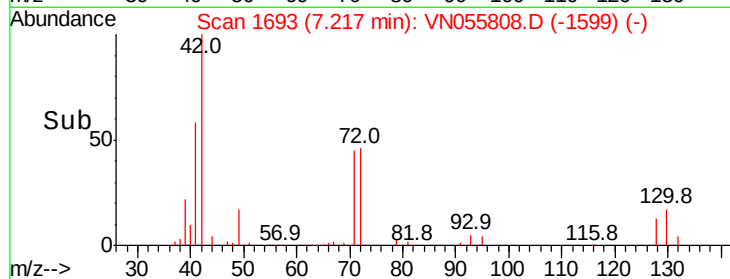
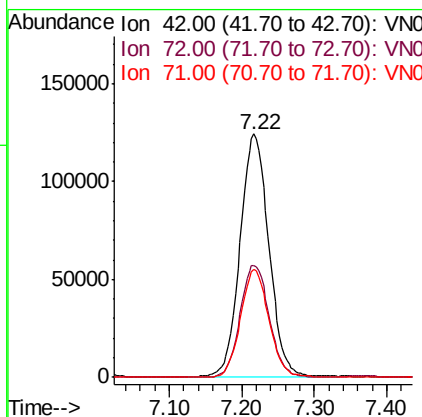
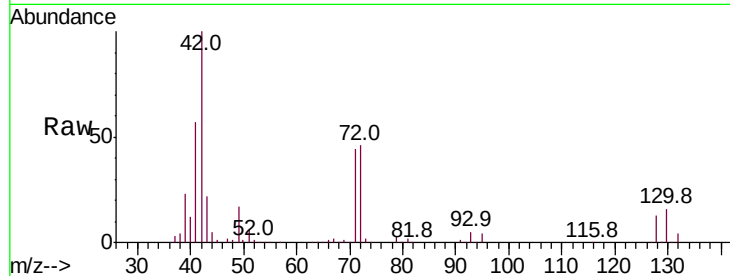
#29  
Tetrahydrofuran  
Concen: 241.004 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 46.3  | 35.9  | 53.9  |
| 71      | 43.3  | 34.0  | 51.0  |

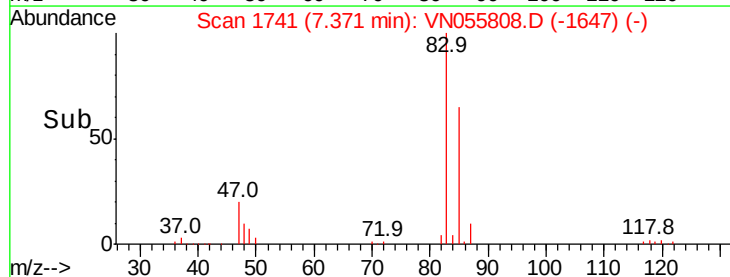
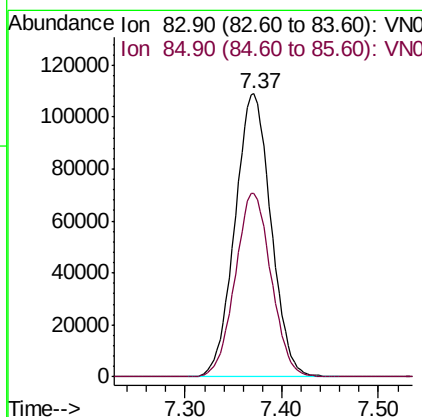
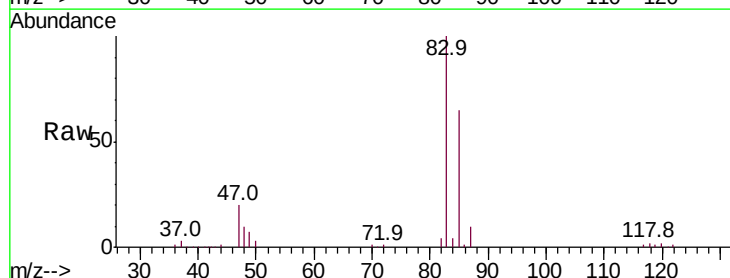
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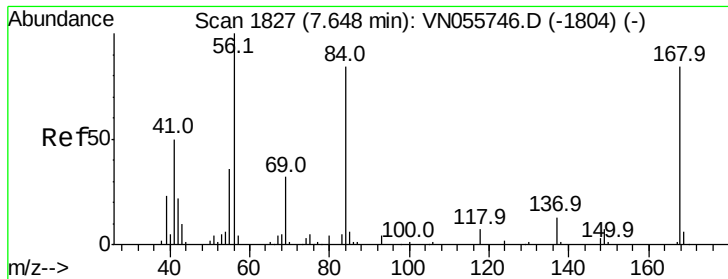
MMDadoda  
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#30  
Chloroform  
Concen: 47.850 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.9  | 51.8  | 77.8  |





#31

Cyclohexane

Concen: 44.639 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 56 Resp: 247821

Ion Ratio Lower Upper

56 100

69 33.8 25.6 38.4

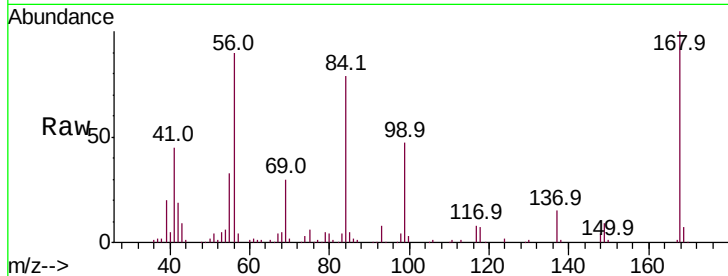
84 86.8 67.4 101.0

Manual Integrations

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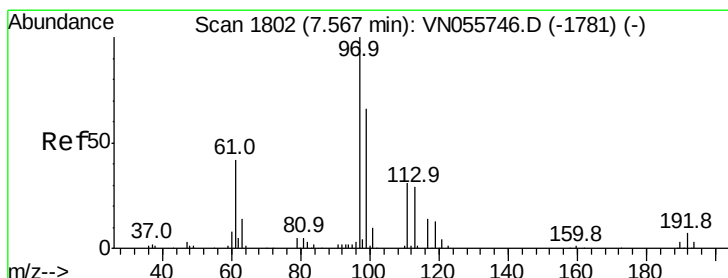
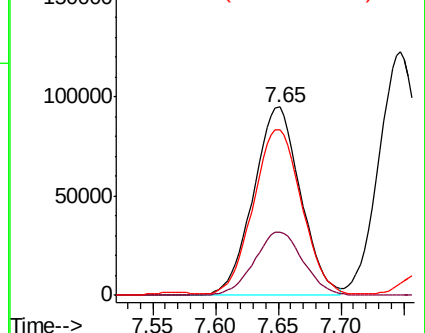
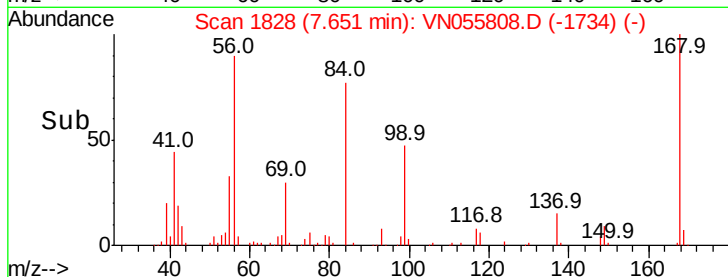
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Abundance Ion 56.00 (55.70 to 56.70): VN055808.D (-1734) (-)

Ion 69.00 (68.70 to 69.70): VN055808.D (-1734) (-)

Ion 84.00 (83.70 to 84.70): VN055808.D (-1734) (-)



#32

1,1,1-Trichloroethane

Concen: 46.989 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

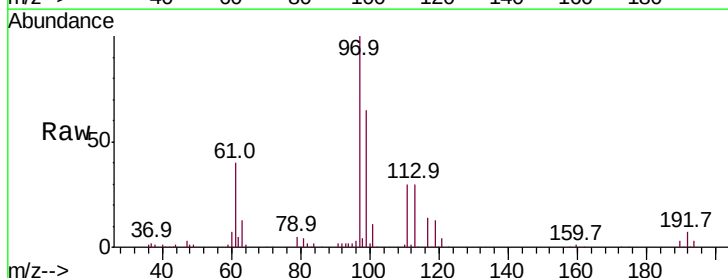
Tgt Ion: 97 Resp: 247273

Ion Ratio Lower Upper

97 100

99 64.6 52.0 78.0

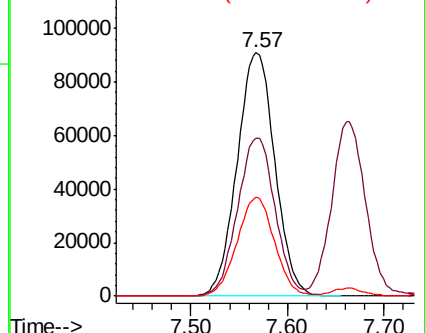
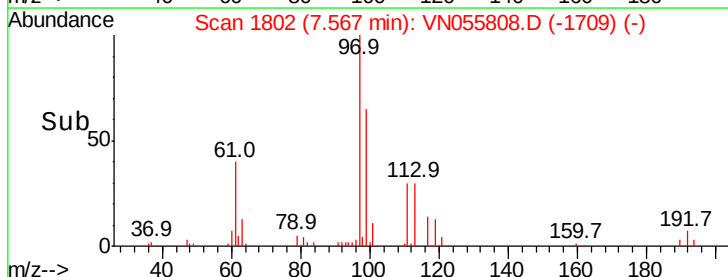
61 40.2 32.9 49.3

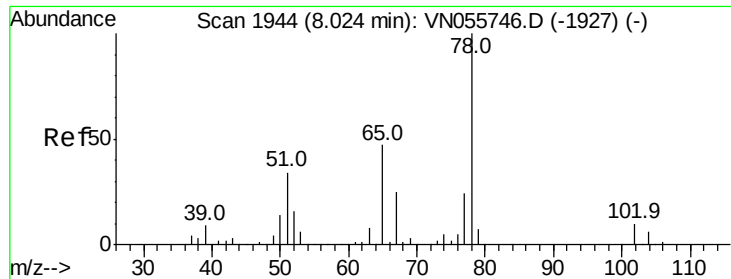


Abundance Ion 96.90 (96.60 to 97.60): VN055808.D (-1709) (-)

Ion 98.90 (98.60 to 99.60): VN055808.D (-1709) (-)

Ion 60.90 (60.60 to 61.60): VN055808.D (-1709) (-)





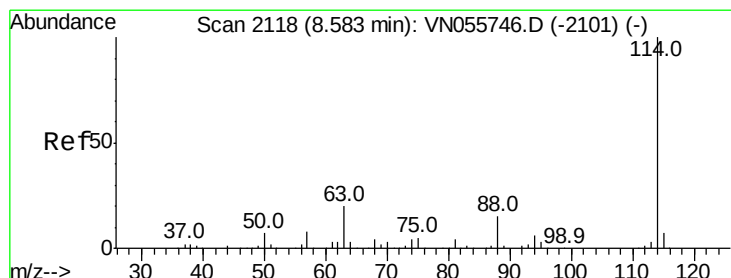
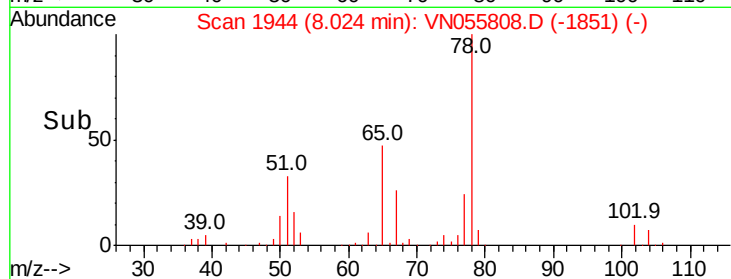
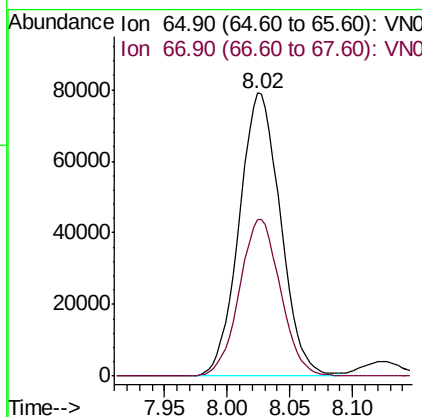
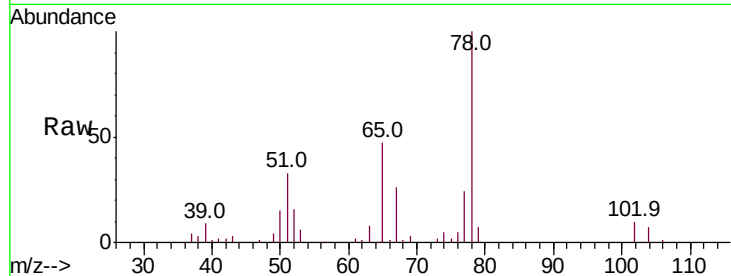
#33  
 1,2-Dichloroethane-d4  
 Concen: 49.053 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 181436 |       |       |
| 67      | 55.2  | 0.0    | 109.2 |       |

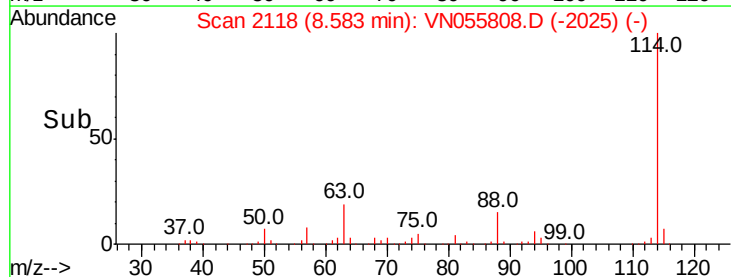
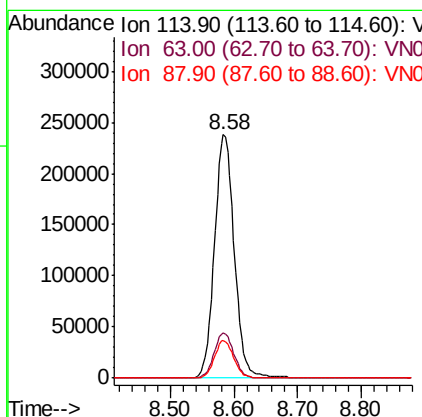
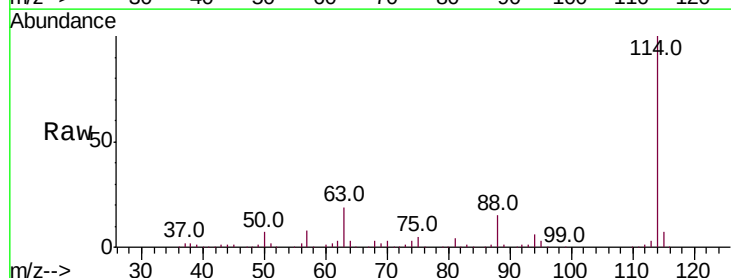
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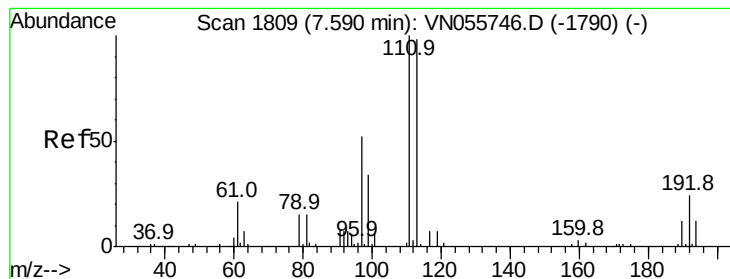
MMDadoda  
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 512895 |       |       |
| 63      | 18.8  | 0.0    | 39.2  |       |
| 88      | 15.4  | 0.0    | 31.0  |       |





#35

Dibromofluoromethane

Concen: 51.219 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:113 Resp: 166089

Ion Ratio Lower Upper

113 100

111 101.9 81.9 122.9

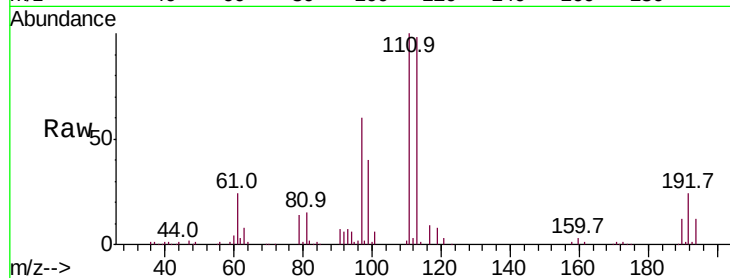
192 24.2 19.5 29.3

Manual Integrations

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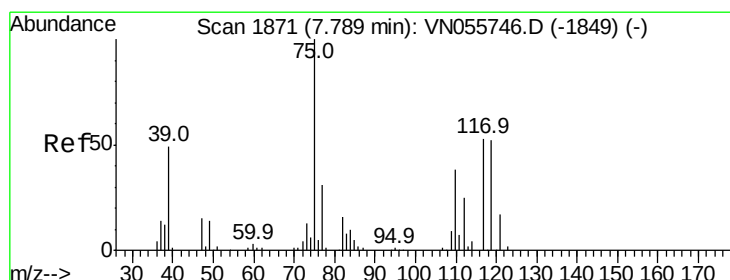
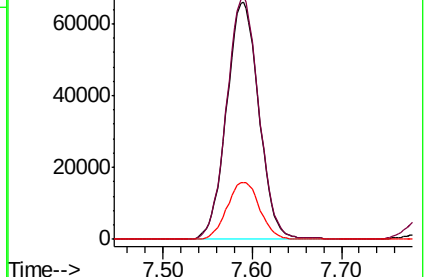
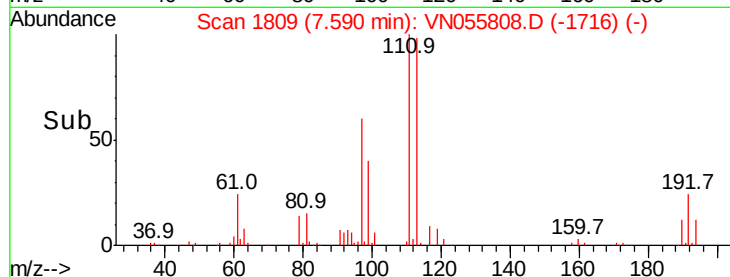
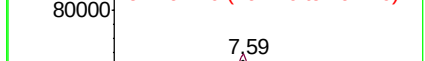
5/28/2019 10:36:19 AM



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 47.111 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

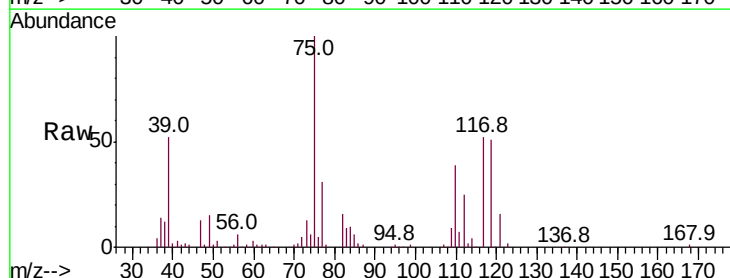
Tgt Ion: 75 Resp: 210571

Ion Ratio Lower Upper

75 100

110 38.3 19.0 57.0

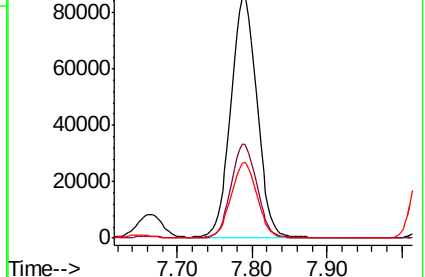
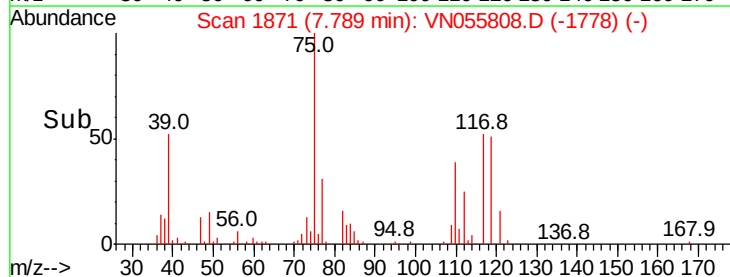
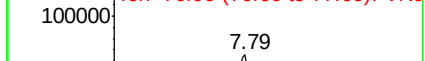
77 31.0 25.1 37.7

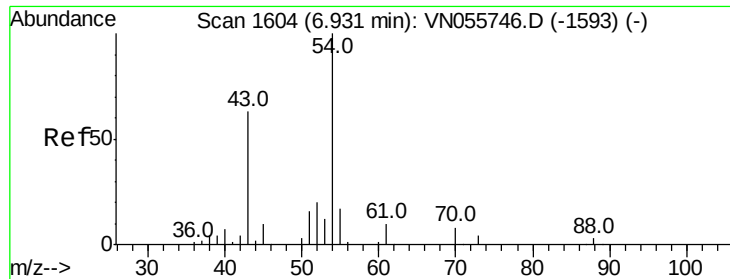


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





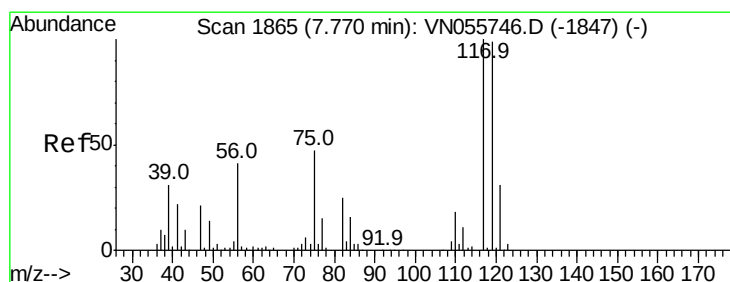
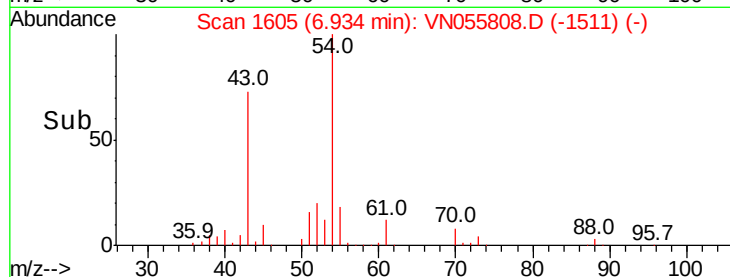
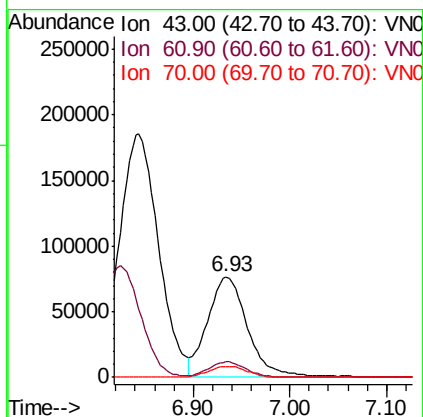
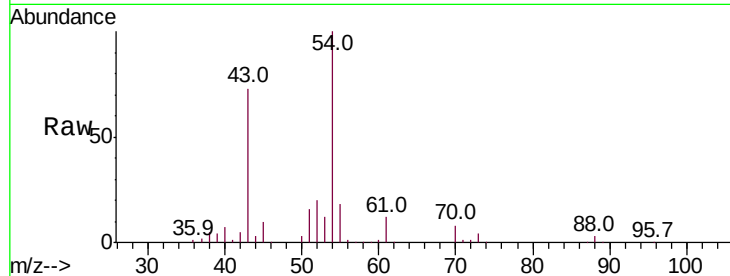
#37  
Ethyl Acetate  
Concen: 49.796 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 14.9  | 12.2  | 18.2  |
| 70      | 11.0  | 8.9   | 13.3  |

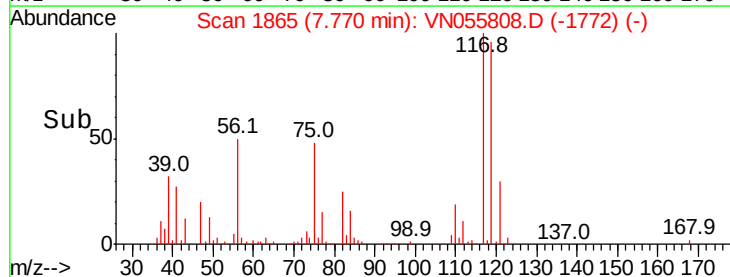
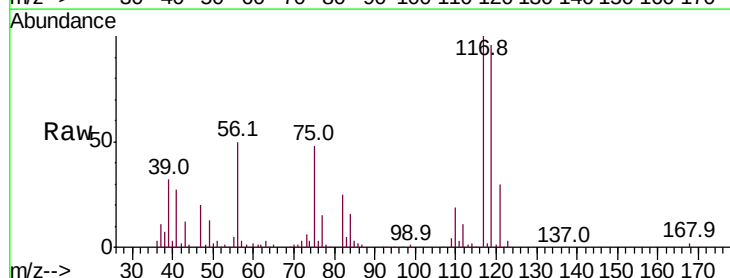
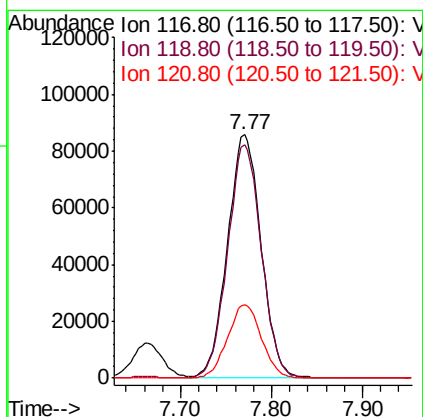
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5/28/2019 10:36:19 AM

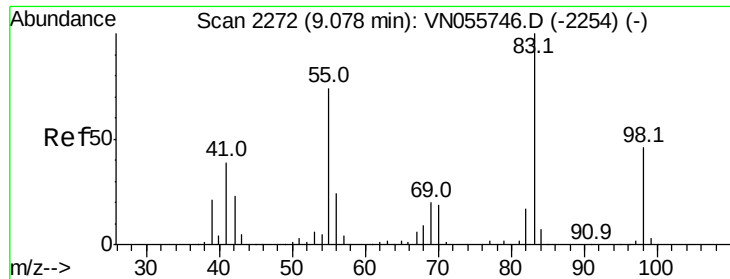


#38  
Carbon Tetrachloride  
Concen: 47.313 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.1  | 79.0  | 118.6 |
| 121     | 30.1  | 24.7  | 37.1  |







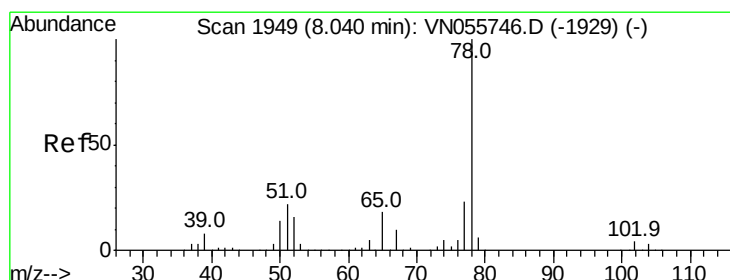
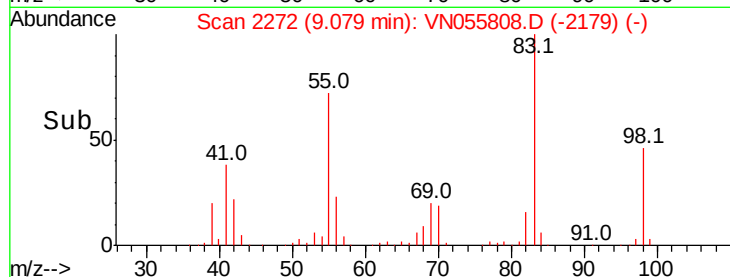
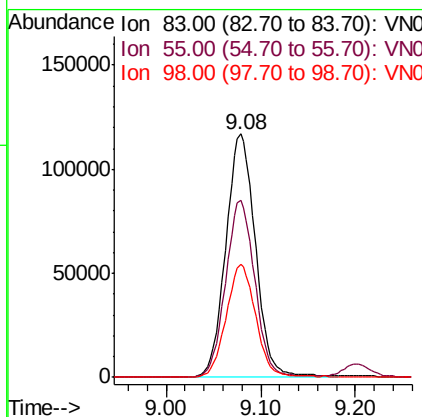
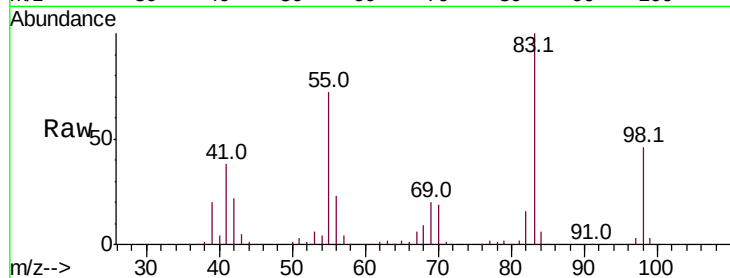
#39  
Methylvlcyclohexane  
Concen: 46.068 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 72.5  | 59.3  | 88.9  |
| 98      | 46.2  | 36.6  | 54.8  |

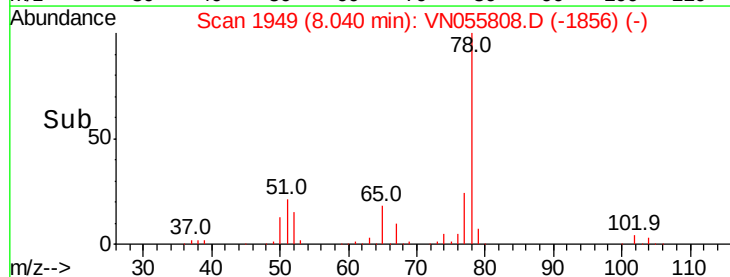
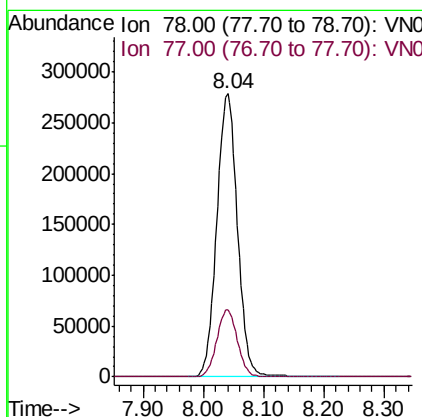
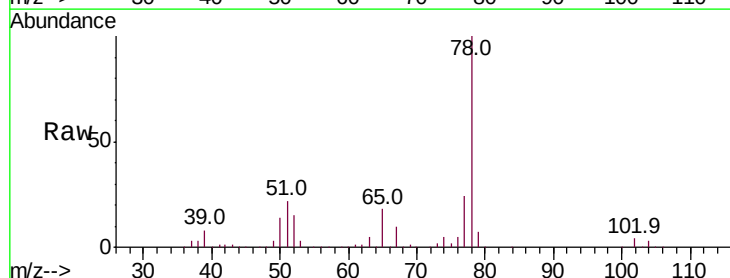
Manual Integrations  
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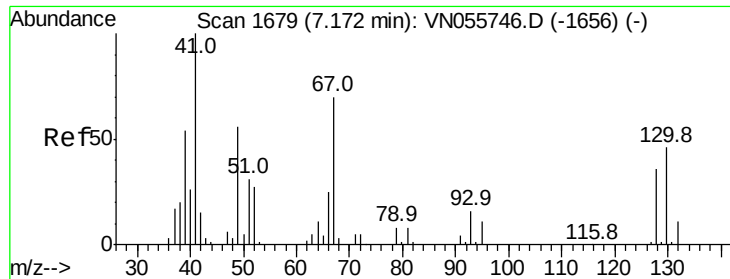
MMDadoda  
5/28/2019 10:36:19 AM



#40  
Benzene  
Concen: 48.516 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.7  | 18.8  | 28.2  |





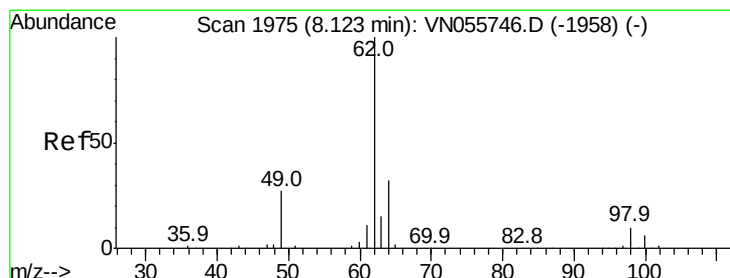
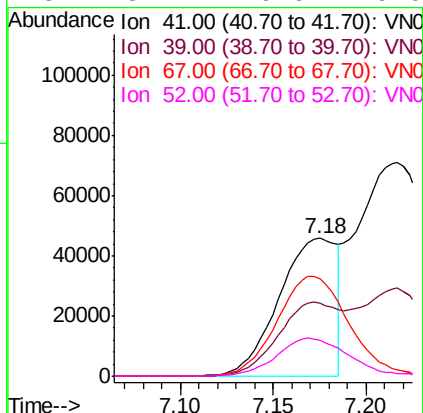
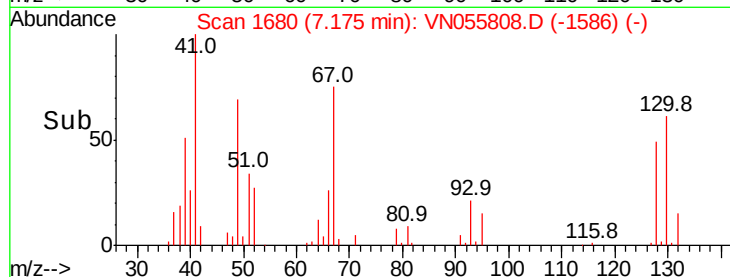
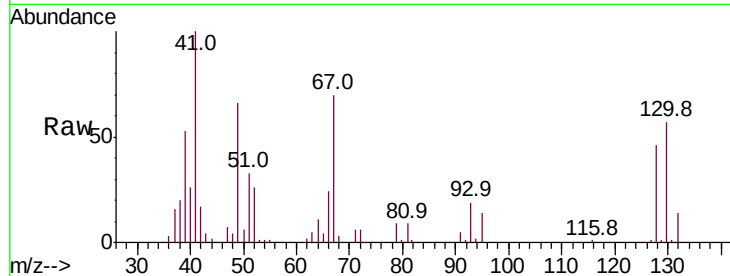
#41  
Methacrylonitrile  
Concen: 45.620 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 57.3  | 45.6  | 68.4  |
| 67      | 90.1  | 67.7  | 101.5 |
| 52      | 34.7  | 26.6  | 40.0  |

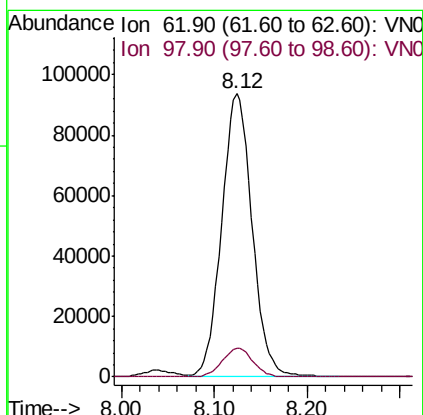
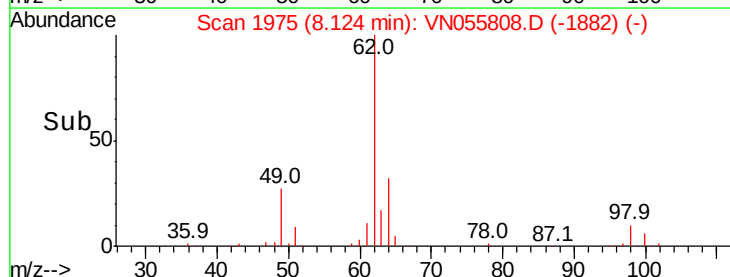
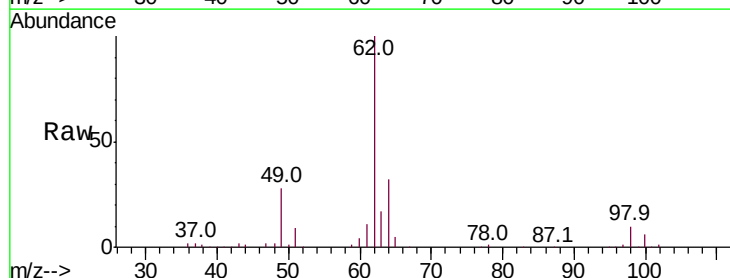
Manual Integrations  
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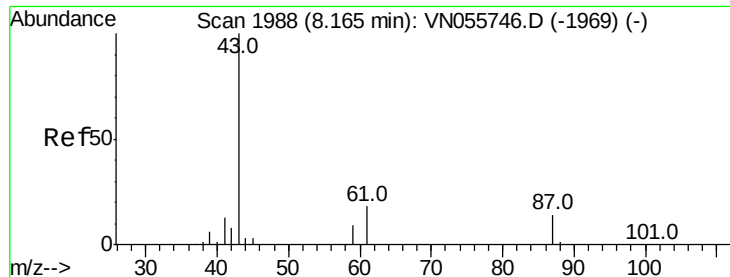
MMDadoda  
5/28/2019 10:36:19 AM



#42  
1,2-Dichloroethane  
Concen: 48.254 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 98      | 10.2  | 0.0   | 20.2  |





#43

Isopropyl Acetate

Concen: 48.002 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

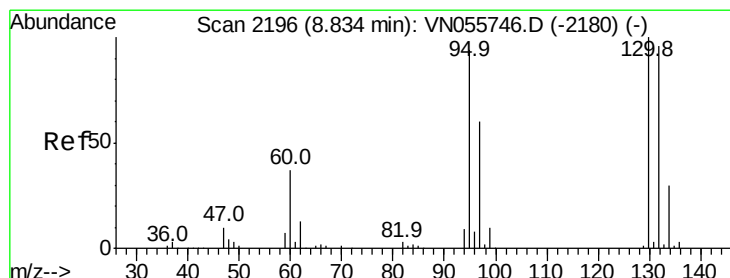
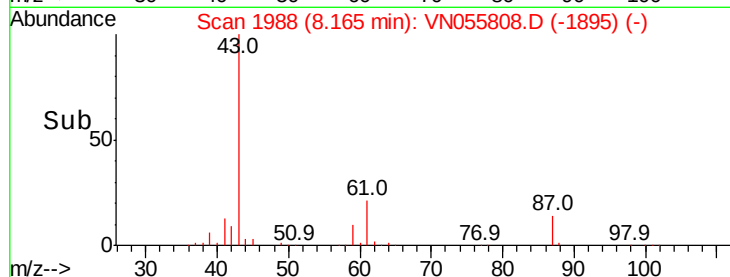
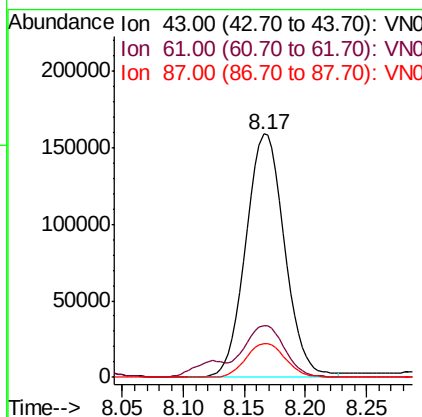
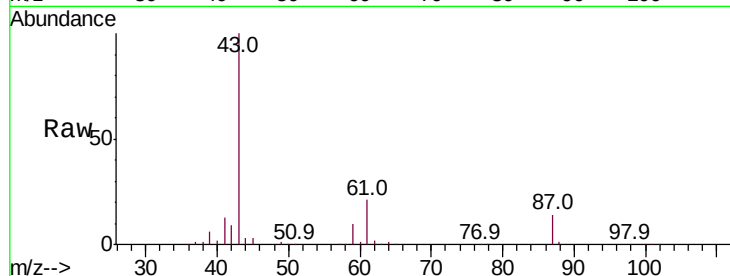
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 348414 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 22.0  | 22.2  | 33.4#  |
| 87        | 14.5  | 11.4  | 17.2   |

Manual Integrations  
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5/28/2019 10:36:19 AM



#44

Trichloroethene

Concen: 50.061 ug/l

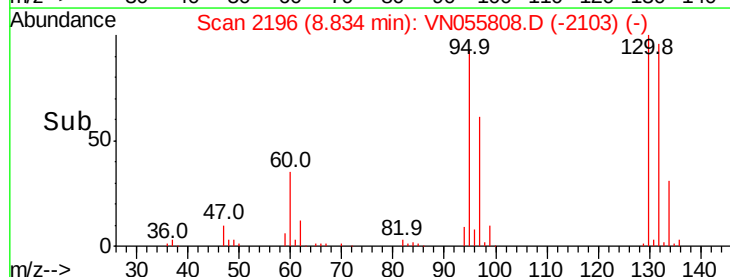
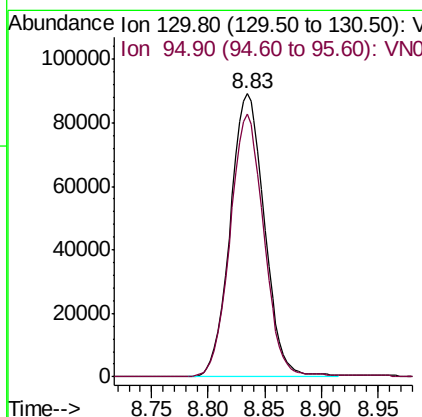
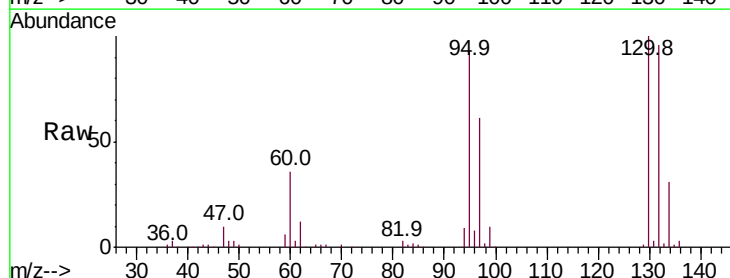
RT: 8.83 min Scan# 2196

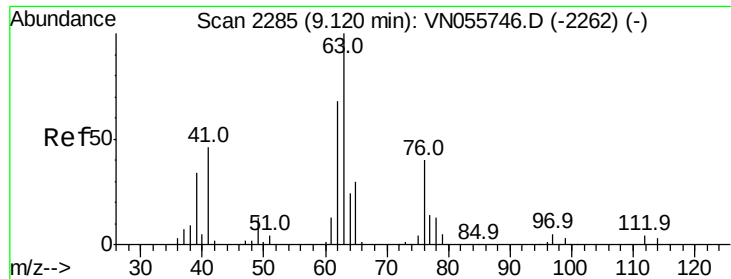
Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 187999 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 92.7  | 0.0   | 188.0  |





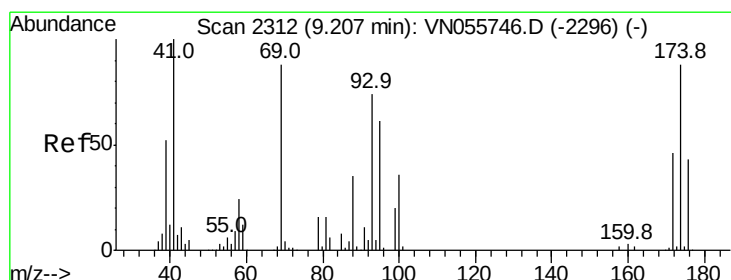
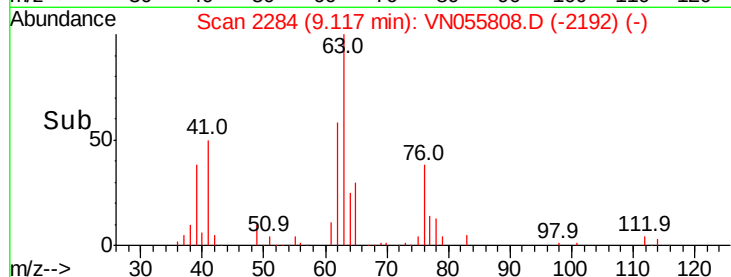
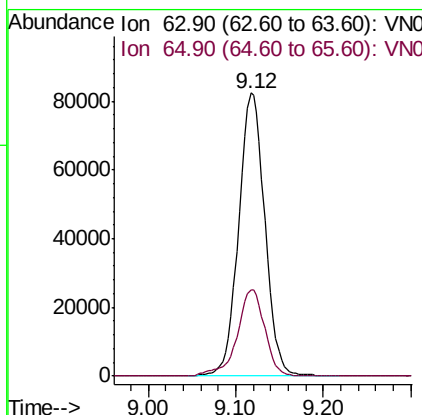
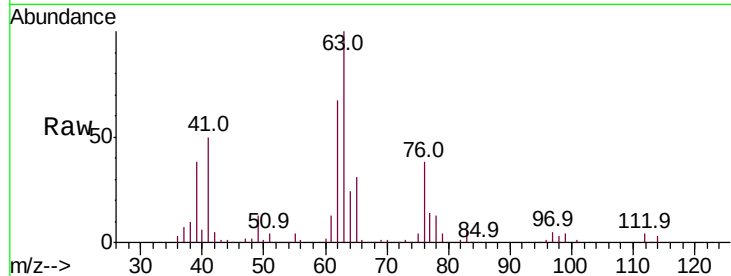
#45  
 1,2-Dichloropropane  
 Concen: 48.846 ug/l  
 RT: 9.12 min Scan# 2284  
 Delta R.T. -0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 63 Resp: 171435  
 Ion Ratio Lower Upper  
 63 100  
 65 30.7 24.6 36.8

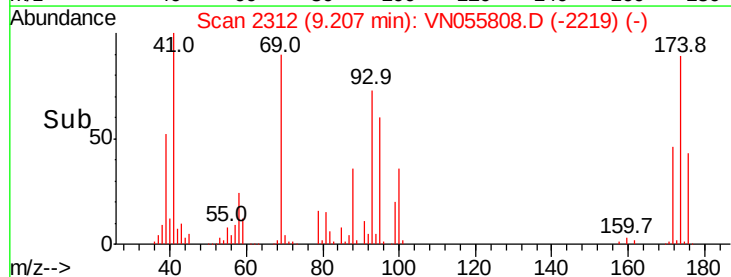
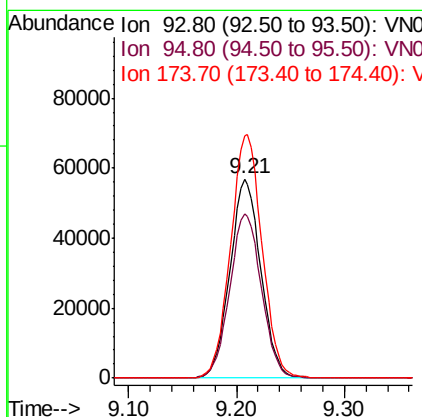
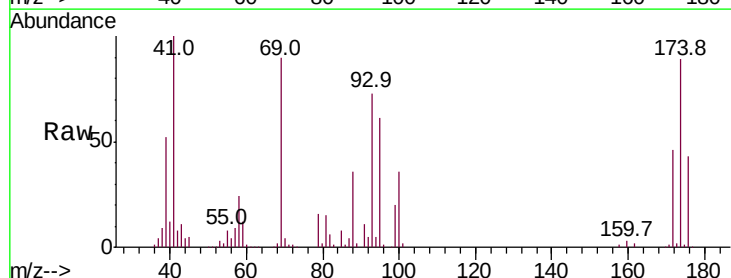
Manual Integrations  
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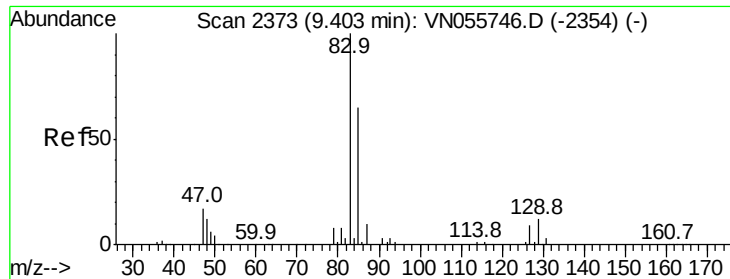
MMDadoda  
 5/28/2019 10:36:19 AM



#46  
 Dibromomethane  
 Concen: 49.332 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Tgt Ion: 93 Resp: 113548  
 Ion Ratio Lower Upper  
 93 100  
 95 84.6 66.7 100.1  
 174 124.8 96.4 144.6





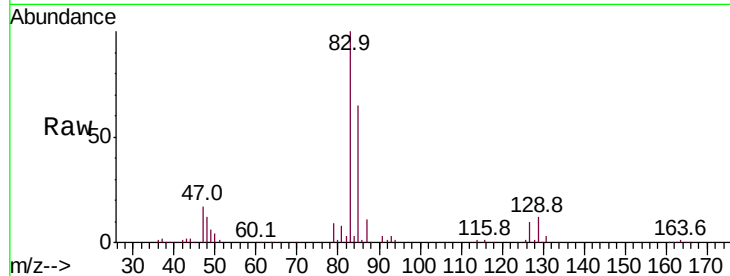
#47  
Bromodichloromethane  
Concen: 47.109 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 64.6  | 52.2  | 78.2  |
| 127     | 9.5   | 7.4   | 11.0  |

Manual Integrations  
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MMDadoda  
5/28/2019 10:36:19 AM

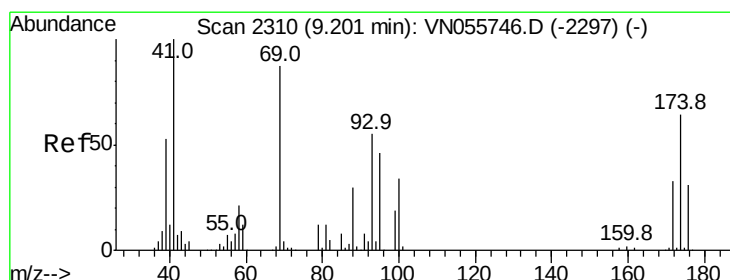
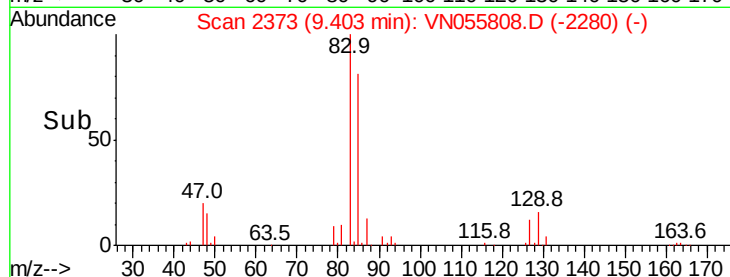
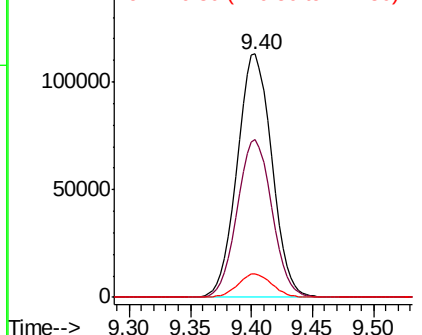


Abundance

Ion 82.90 (82.60 to 83.60): VN055746.D (-2354) (-)

Ion 84.90 (84.60 to 85.60): VN055746.D (-2354) (-)

Ion 126.80 (126.50 to 127.50): VN055746.D (-2354) (-)



#48  
Methyl methacrylate  
Concen: 50.774 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

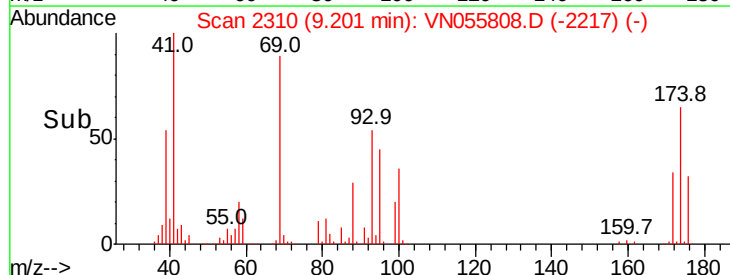
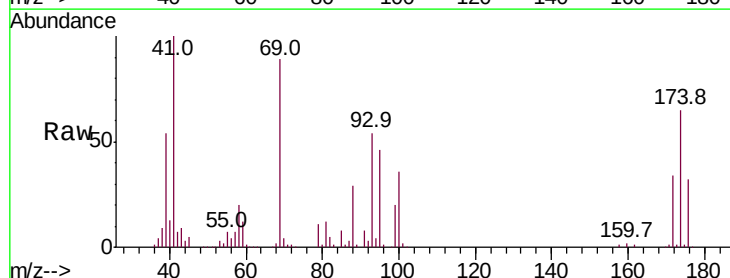
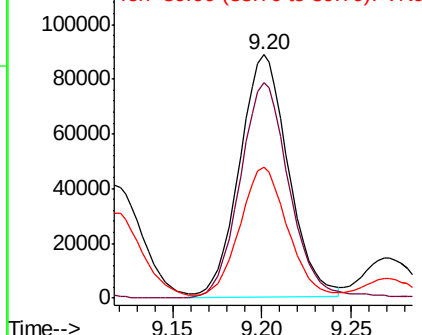
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 89.6  | 71.0  | 106.6 |
| 39      | 53.1  | 44.2  | 66.2  |

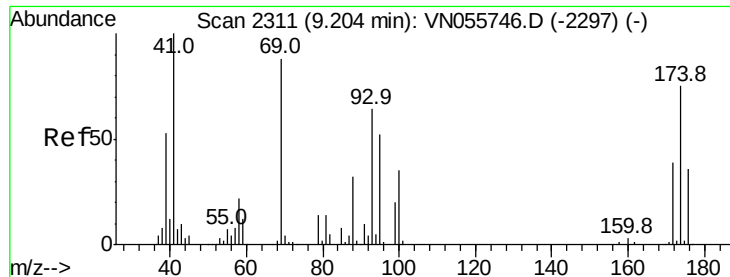
Abundance

Ion 41.00 (40.70 to 41.70): VN055746.D (-2297) (-)

Ion 69.00 (68.70 to 69.70): VN055746.D (-2297) (-)

Ion 39.00 (38.70 to 39.70): VN055746.D (-2297) (-)





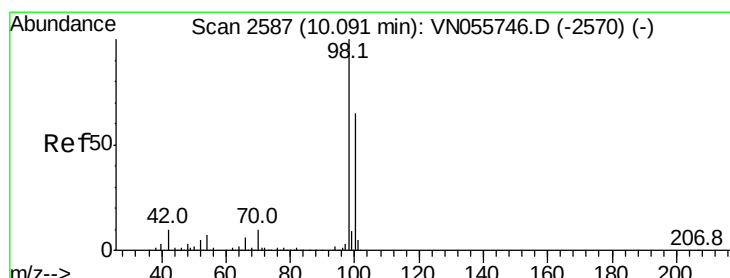
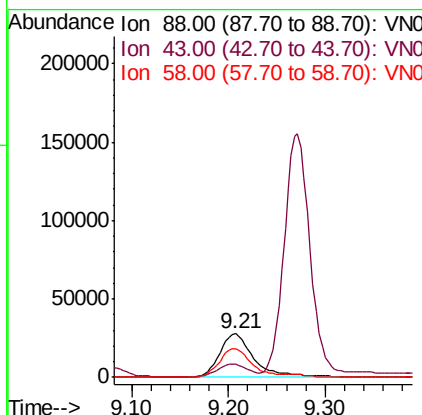
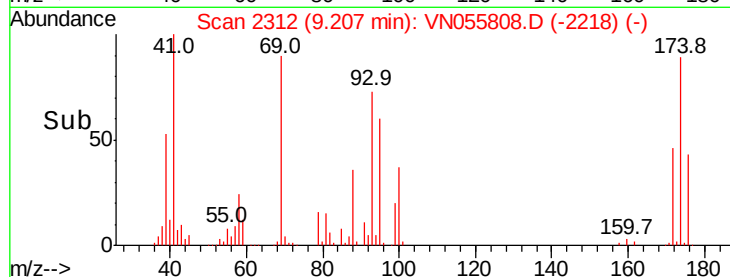
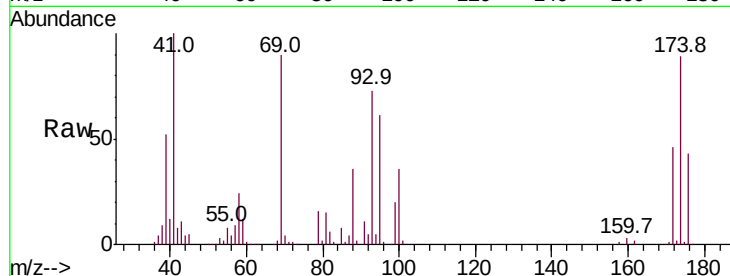
#49  
 1,4-Dioxane  
 Concen: 993.513 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | 88    | Resp  | 69064 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 88      | 100   |       |       |
| 43      | 24.9  | 20.5  | 30.7  |
| 58      | 67.5  | 55.8  | 83.6  |

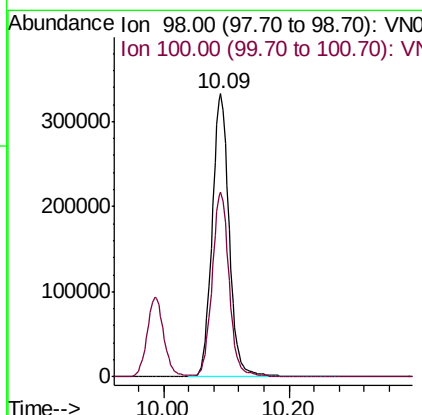
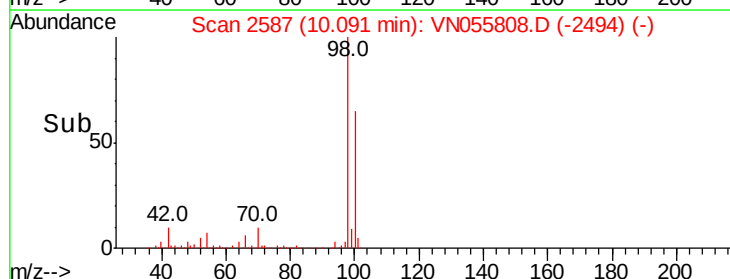
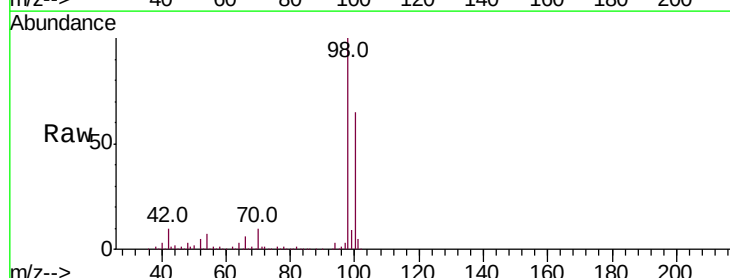
Manual Integrations  
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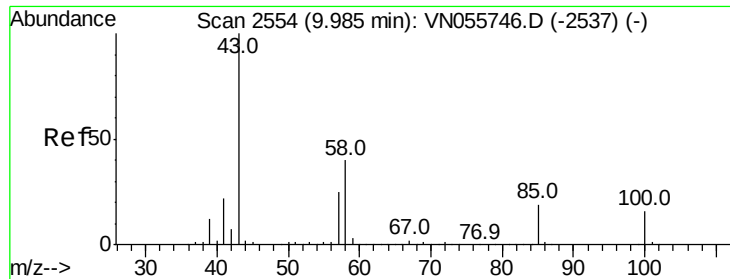
MMDadoda  
 5/28/2019 10:36:19 AM



#50  
 Toluene-d8  
 Concen: 50.384 ug/l  
 RT: 10.09 min Scan# 2587  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

| Tgt Ion | 98    | Resp  | 626709 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 98      | 100   |       |        |
| 100     | 65.3  | 51.9  | 77.9   |





#51

4-Methyl-2-Pentanone

Concen: 246.363 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1056091

Ion Ratio Lower Upper

43 100

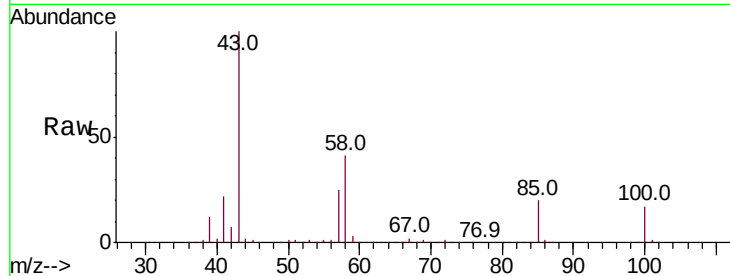
58 40.5 32.1 48.1

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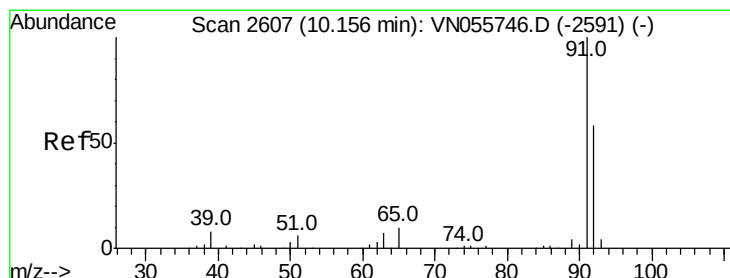
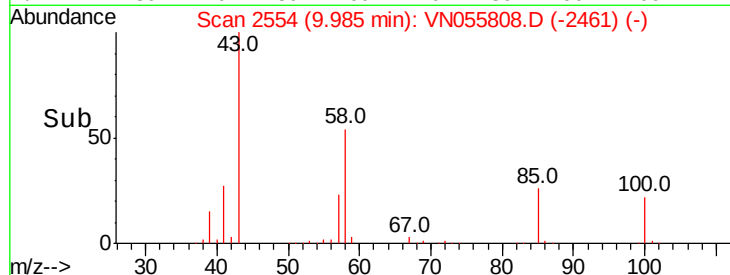
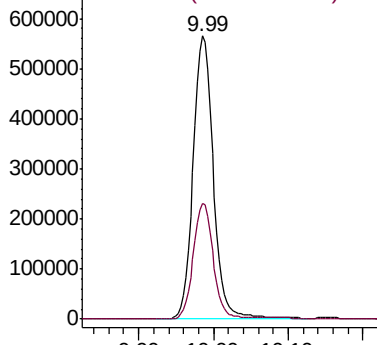
MMDadoda

5/28/2019 10:36:19 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.469 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055808.D

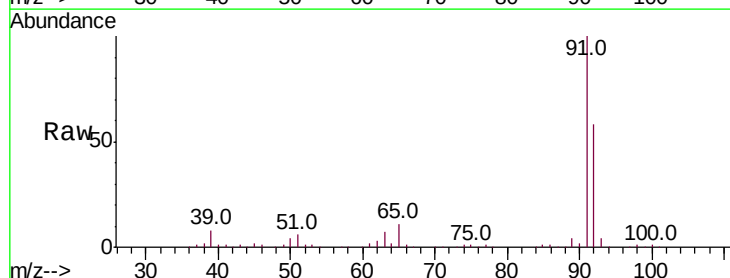
Acq: 24 May 2019 20:18

Tgt Ion: 92 Resp: 419111

Ion Ratio Lower Upper

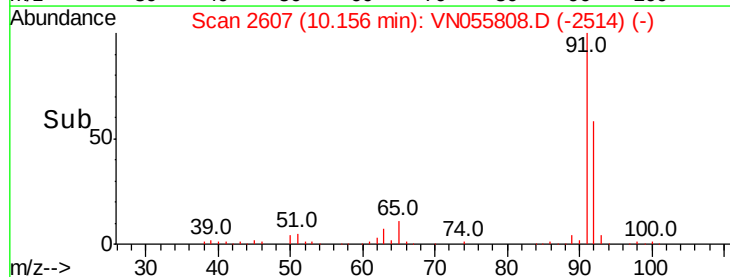
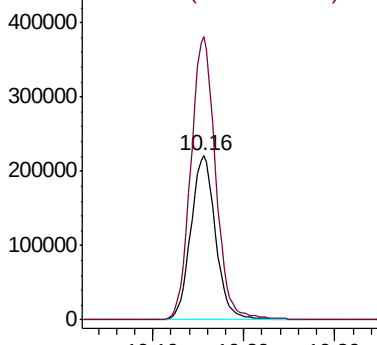
92 100

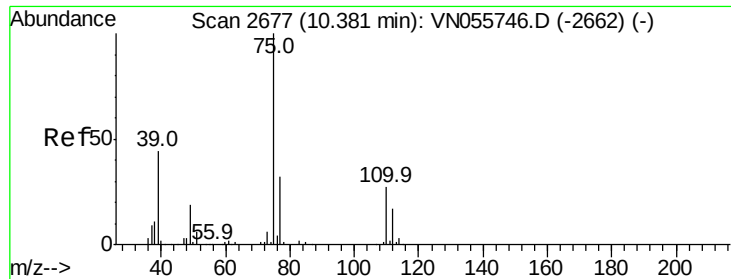
91 173.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 47.828 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 240951

Ion Ratio Lower Upper

75 100

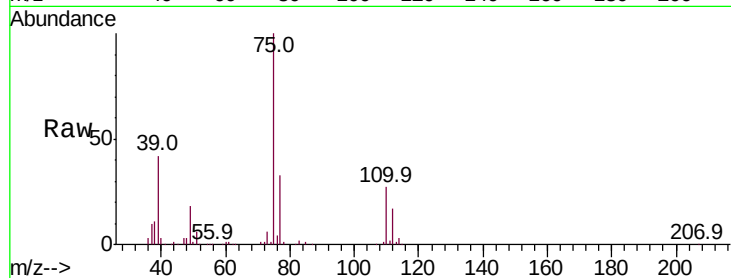
77 32.4 25.8 38.6

Manual Integrations

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5/28/2019 10:36:19 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

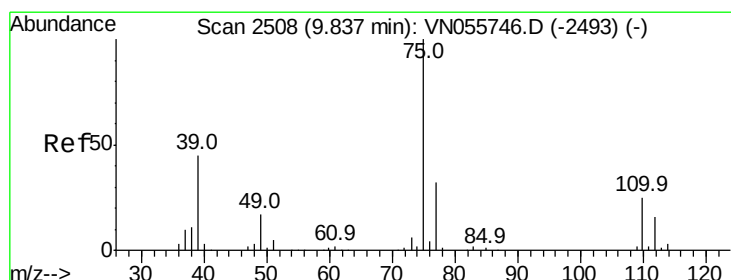
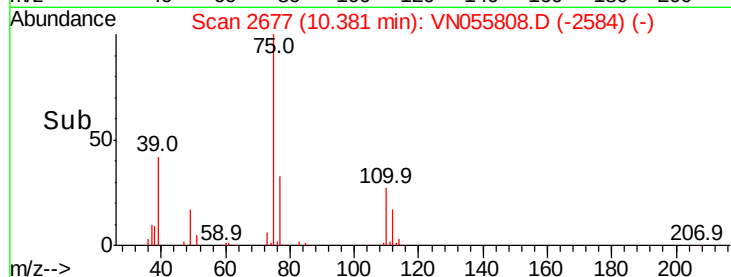
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 47.904 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

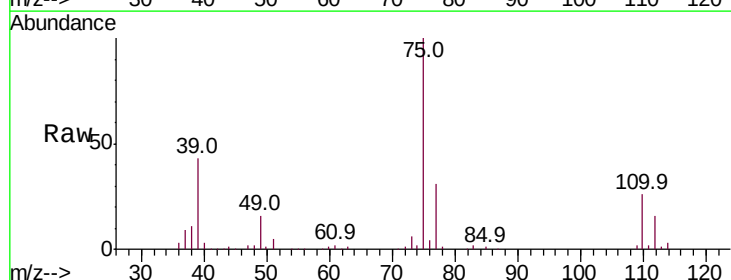
Tgt Ion: 75 Resp: 267355

Ion Ratio Lower Upper

75 100

77 31.4 25.4 38.0

39 43.0 36.3 54.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

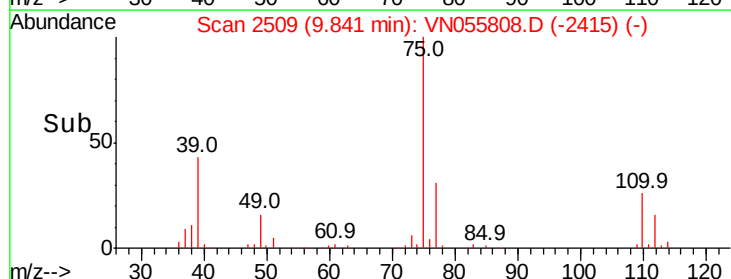
150000

100000

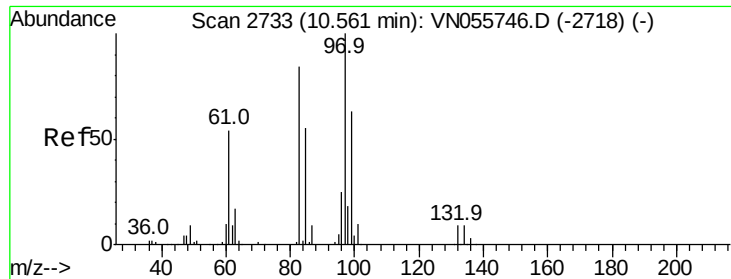
50000

0

Time-->







#55

1,1,2-Trichloroethane

Concen: 49.574 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

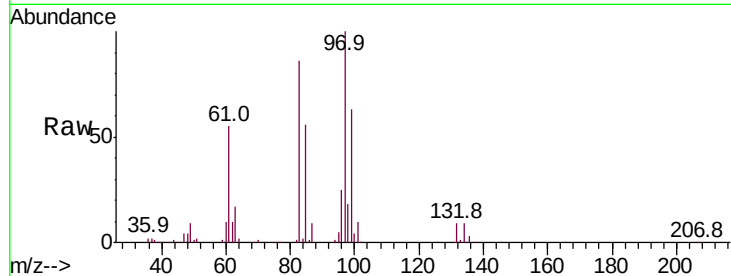
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 97    | Resp: | 168254 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 83       | 85.8  | 67.0  | 100.6  |
| 85       | 56.0  | 44.0  | 66.0   |
| 99       | 62.6  | 50.6  | 75.8   |

Manual Integrations  
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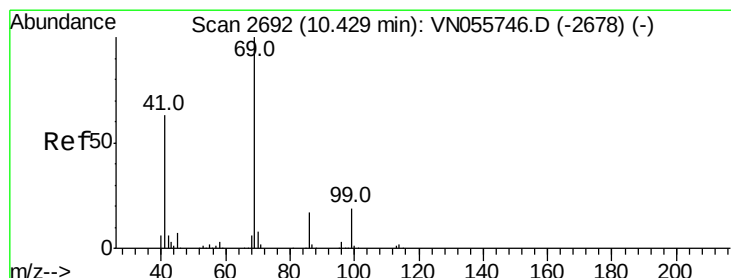
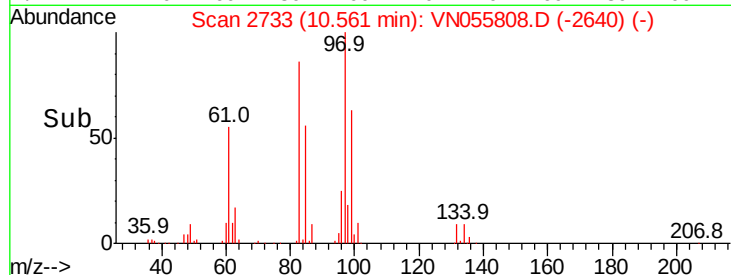
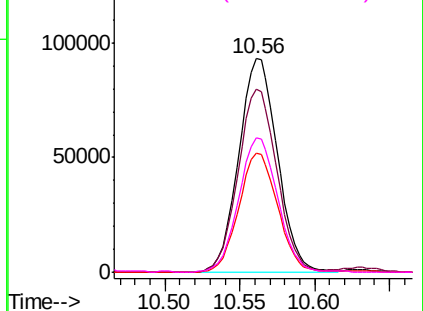


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 49.360 ug/l

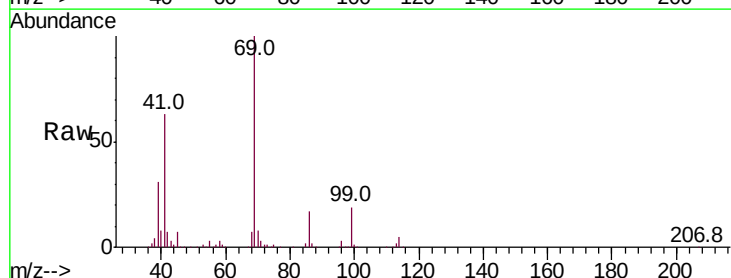
RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

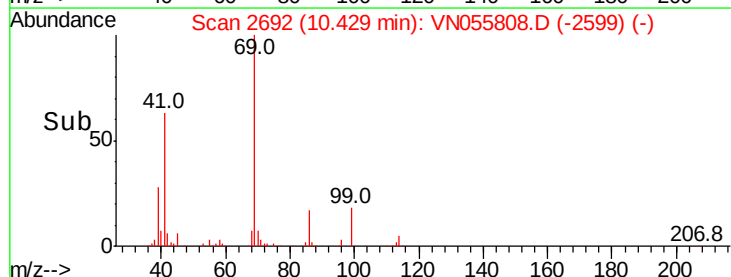
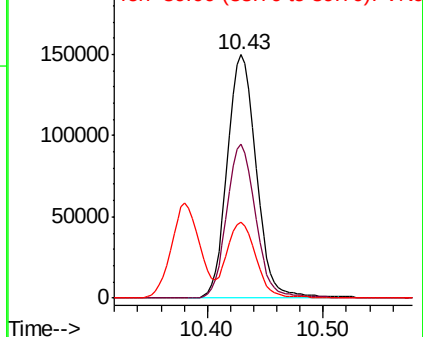
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 258911 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 62.4  | 49.7  | 74.5   |
| 39       | 31.1  | 24.7  | 37.1   |

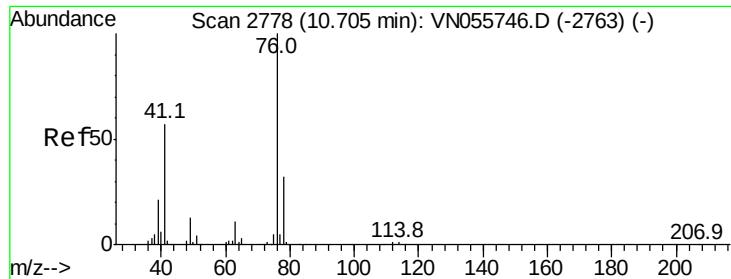


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 49.694 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

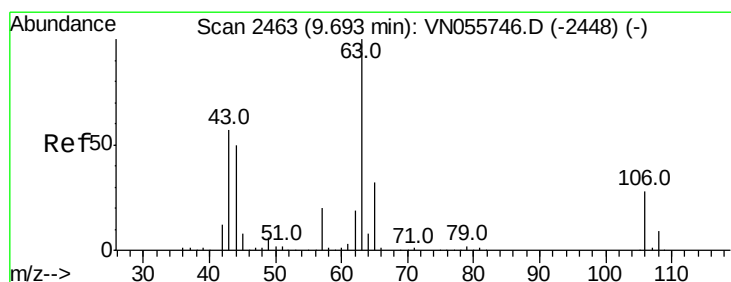
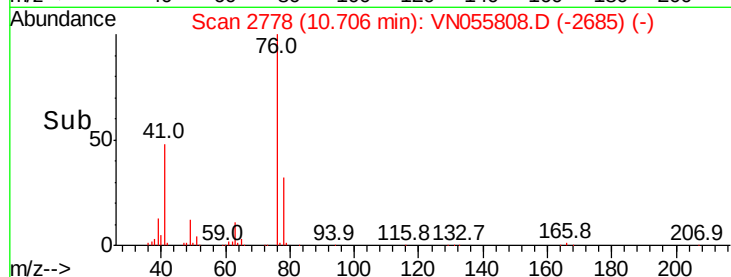
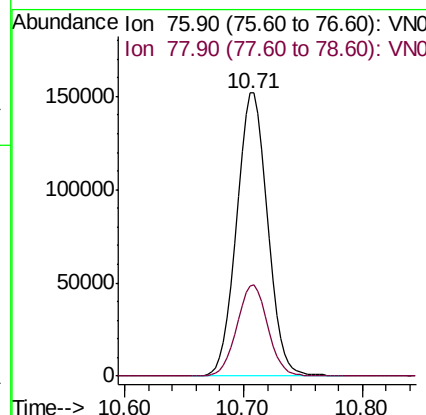
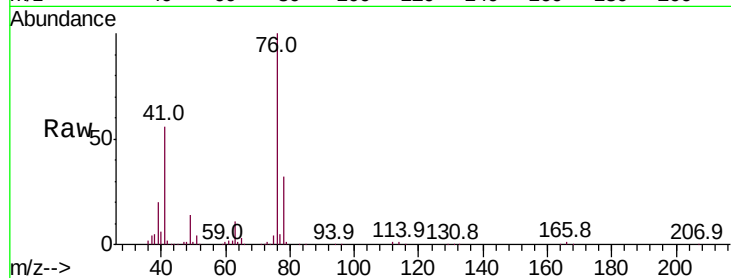
Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 76 Resp: 274157

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 76  | 100   |       |       |
| 78  | 32.3  | 25.8  | 38.6  |

Manual Integrations  
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#58

2-Chloroethyl Vinyl ether

Concen: 251.603 ug/l

RT: 9.70 min Scan# 2464

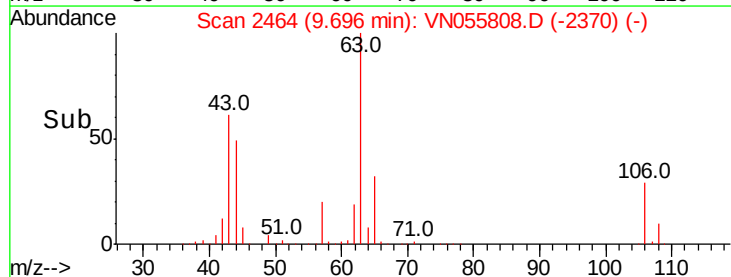
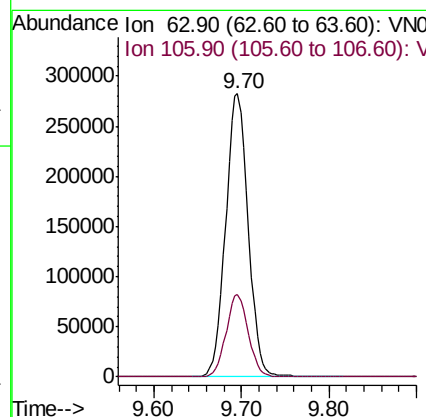
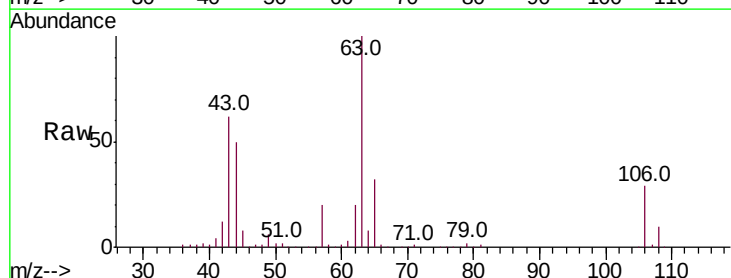
Delta R.T. 0.00 min

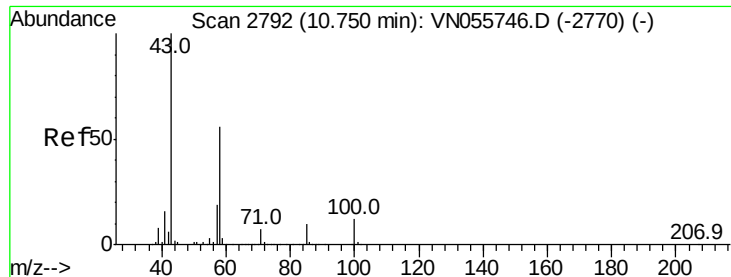
Lab File: VN055808.D

Acq: 24 May 2019 20:18

Tgt Ion: 63 Resp: 504356

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 106 | 28.7  | 22.7  | 34.1  |





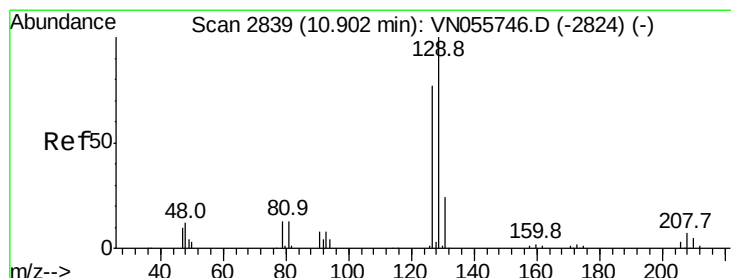
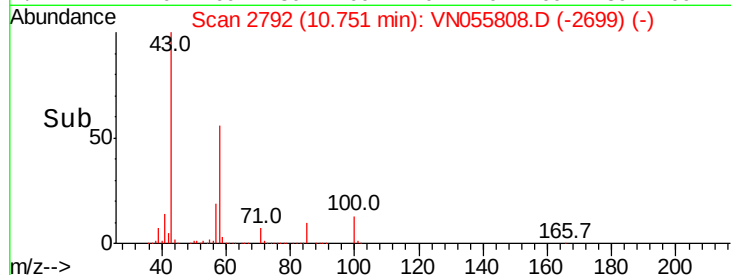
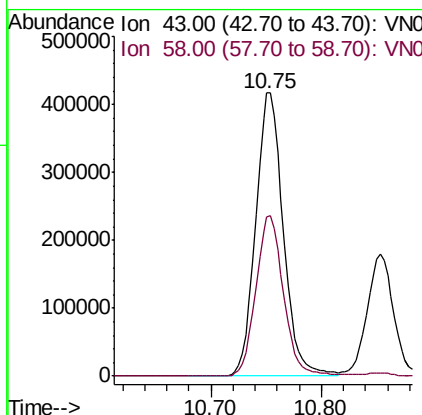
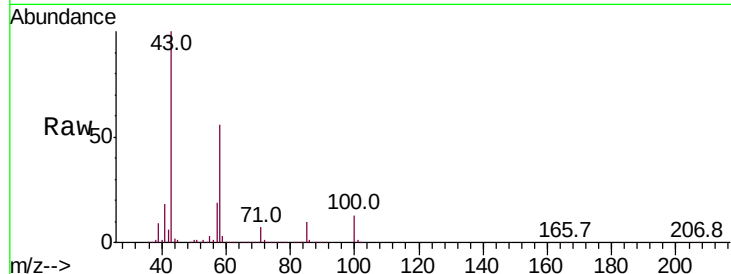
#59  
2-Hexanone  
Concen: 238.243 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | 43 | 58 | Ratio | 100 | 56.9 | Resp | 724507 | Lower | 28.2 | Upper | 84.7 |
|---------|----|----|-------|-----|------|------|--------|-------|------|-------|------|
| Ion     | 43 | 58 | Ratio | 100 | 56.9 | Resp | 724507 | Lower | 28.2 | Upper | 84.7 |

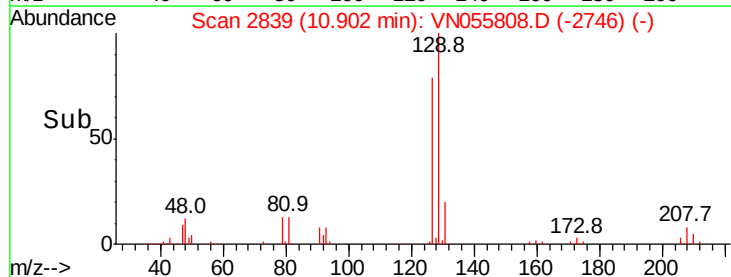
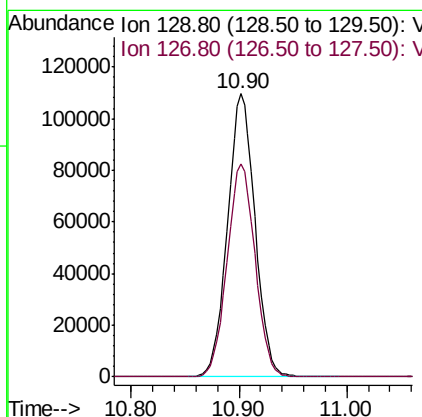
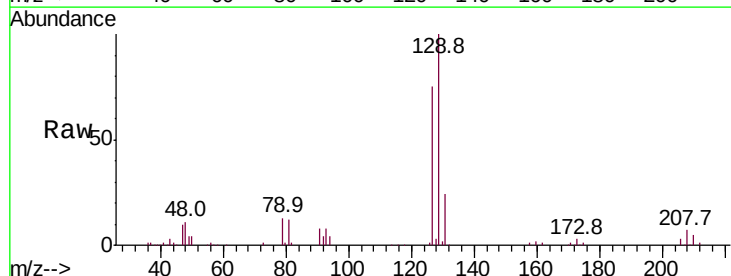
Manual Integrations  
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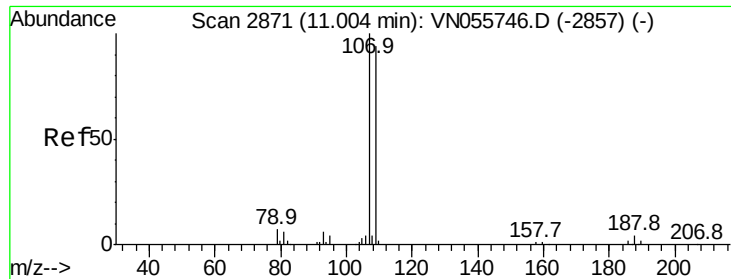
MMDadoda  
5/28/2019 10:36:19 AM



#60  
Dibromochloromethane  
Concen: 49.124 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | 129 | 127 | Ratio | 100 | 76.7 | Resp | 194227 | Lower | 38.1 | Upper | 114.3 |
|---------|-----|-----|-------|-----|------|------|--------|-------|------|-------|-------|
| Ion     | 129 | 127 | Ratio | 100 | 76.7 | Resp | 194227 | Lower | 38.1 | Upper | 114.3 |





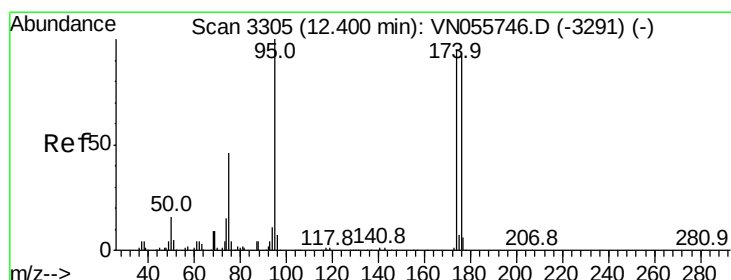
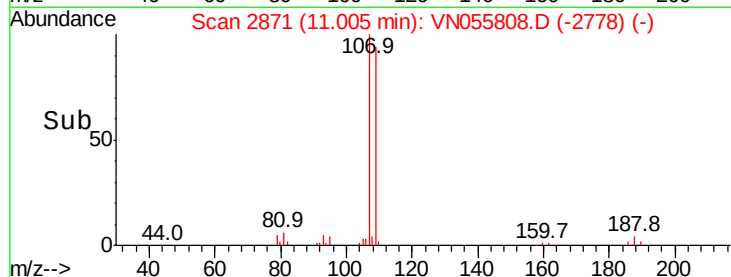
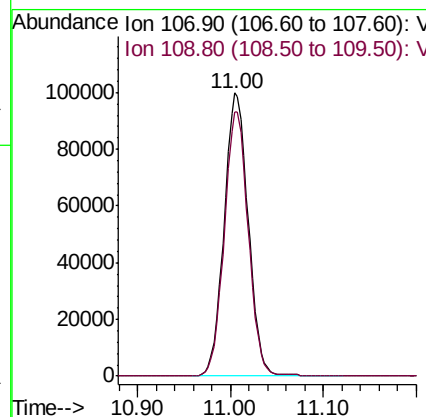
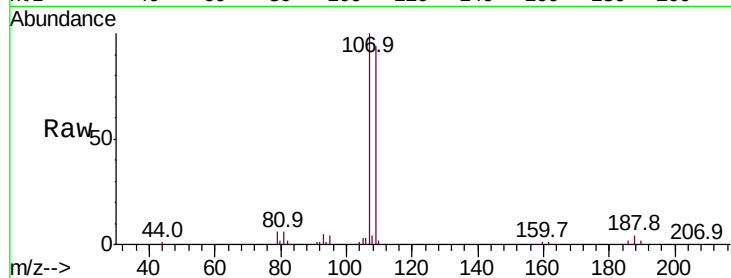
#61  
 1,2-Dibromoethane  
 Concen: 51.146 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 107     | 100   | 180058 |       |       |
| 109     | 93.1  | 74.8   | 112.2 |       |

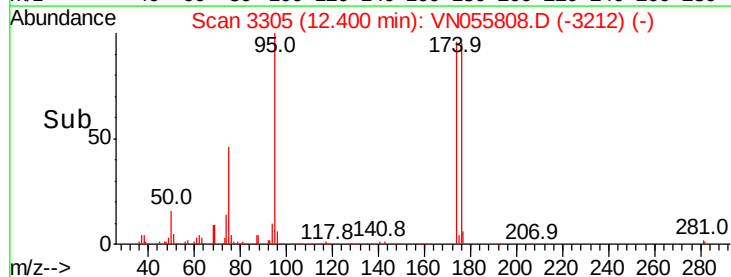
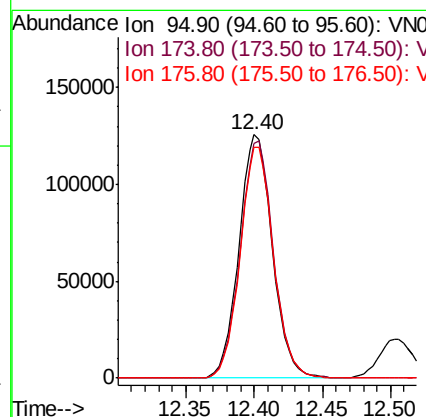
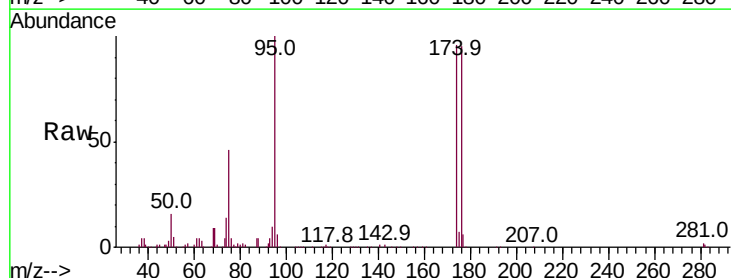
Manual Integrations  
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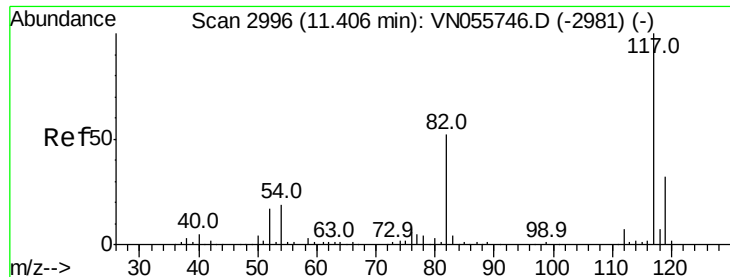
MMDadoda  
 5/28/2019 10:36:19 AM



#62  
 4-Bromofluorobenzene  
 Concen: 49.880 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 212741 |       |       |
| 174     | 96.8  | 0.0    | 191.0 |       |
| 176     | 94.7  | 0.0    | 185.2 |       |





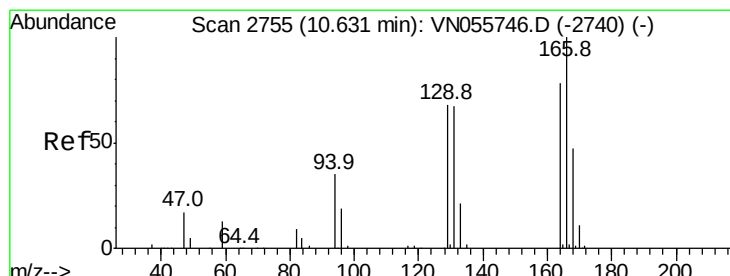
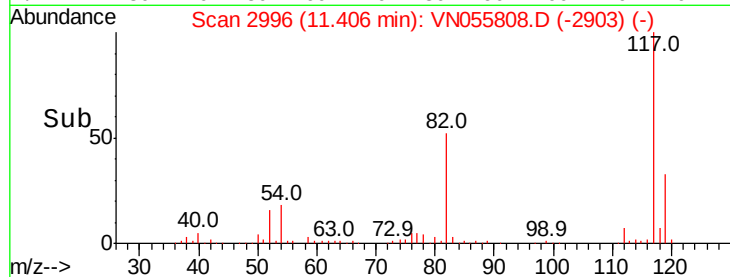
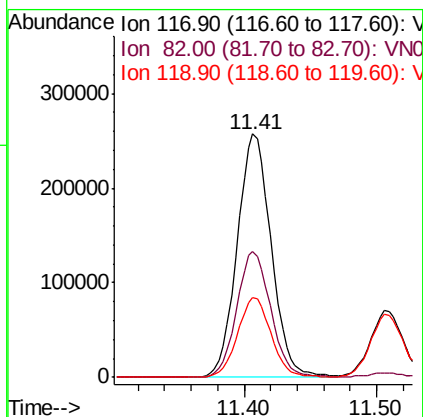
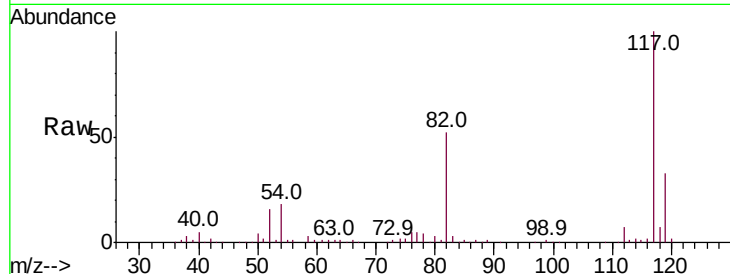
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 51.8  | 41.8  | 62.8  |
| 119     | 32.6  | 25.4  | 38.0  |

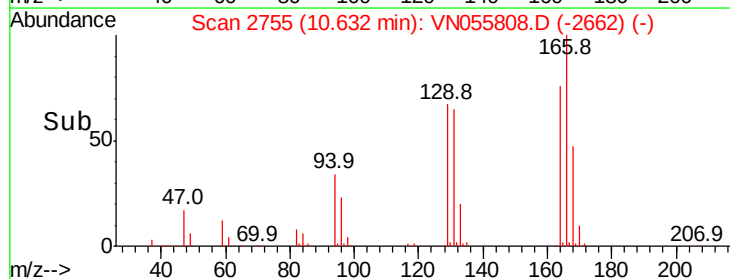
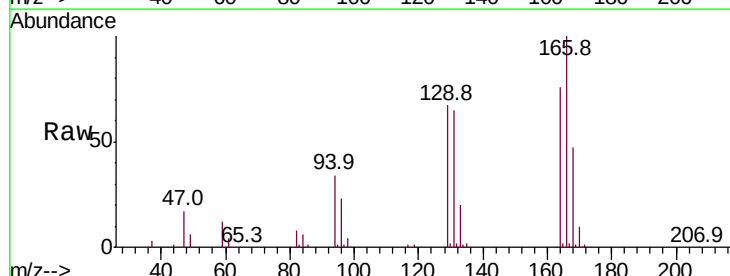
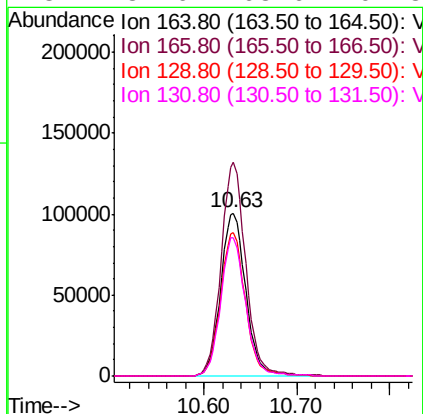
Manual Integrations  
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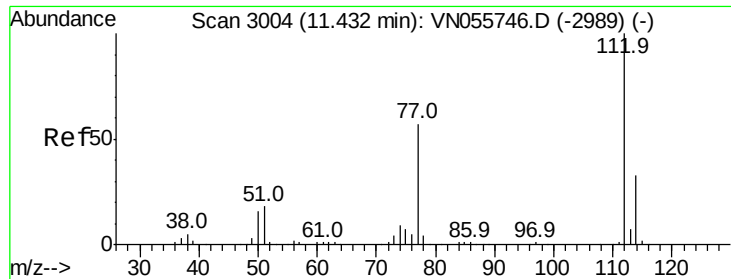
MMDadoda  
5/28/2019 10:36:19 AM



#64  
Tetrachloroethene  
Concen: 48.715 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 131.1 | 103.0 | 154.6 |
| 129     | 87.9  | 70.6  | 105.8 |
| 131     | 84.6  | 68.6  | 102.8 |





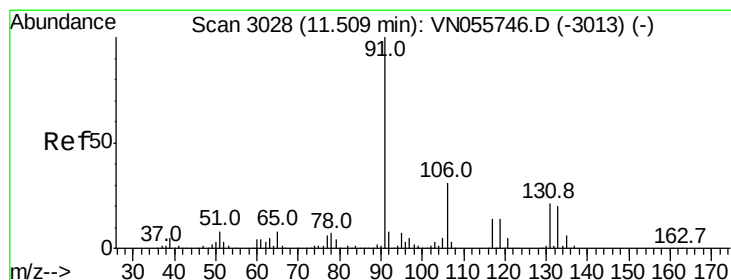
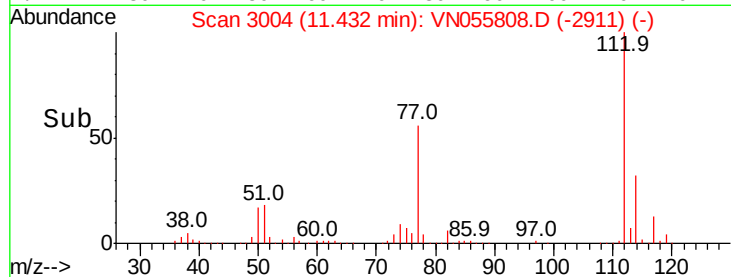
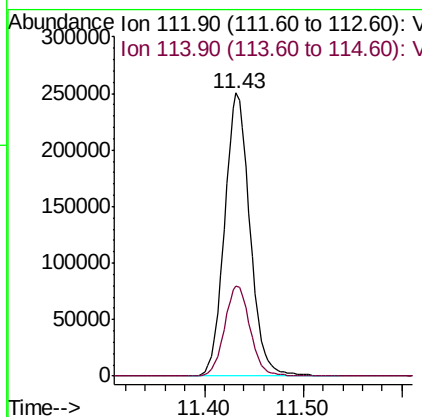
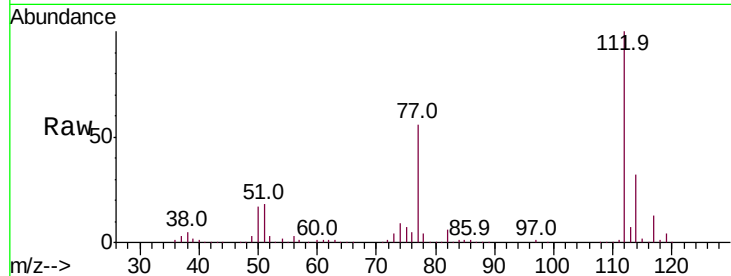
#65  
Chlorobenzene  
Concen: 49.016 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:112 Resp: 451661  
Ion Ratio Lower Upper  
112 100  
114 31.9 26.2 39.4

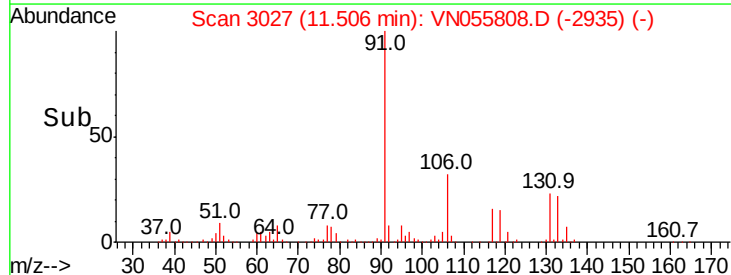
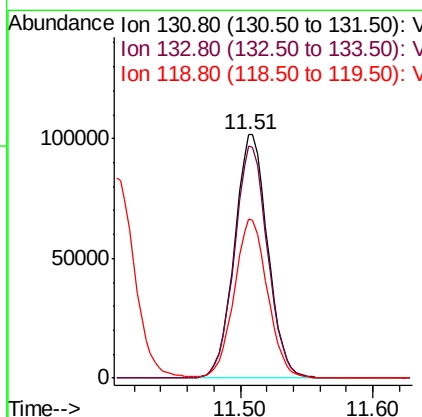
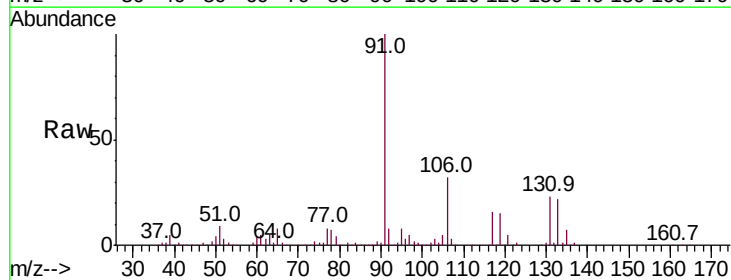
Manual Integrations  
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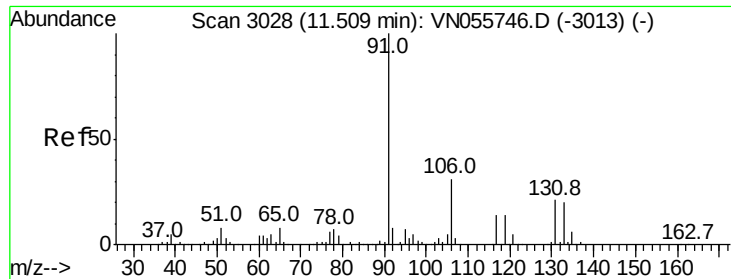
MMDadoda  
5/28/2019 10:36:19 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 48.135 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Tgt Ion:131 Resp: 176901  
Ion Ratio Lower Upper  
131 100  
133 95.5 48.0 144.0  
119 65.6 33.1 99.5





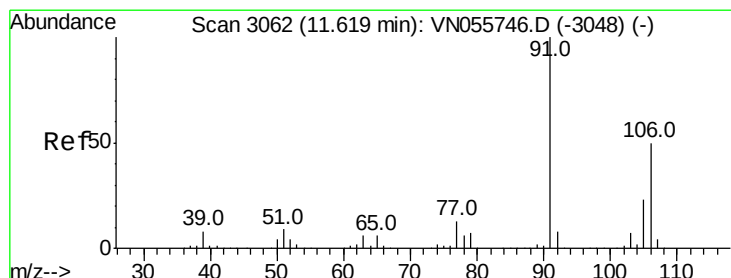
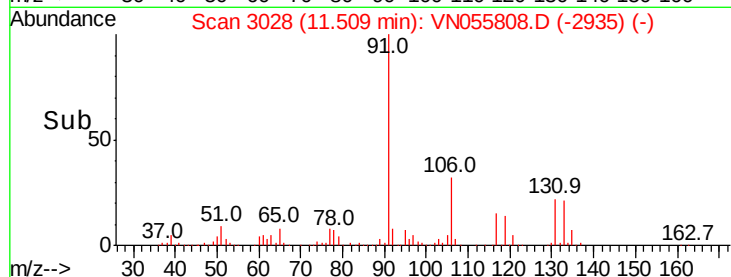
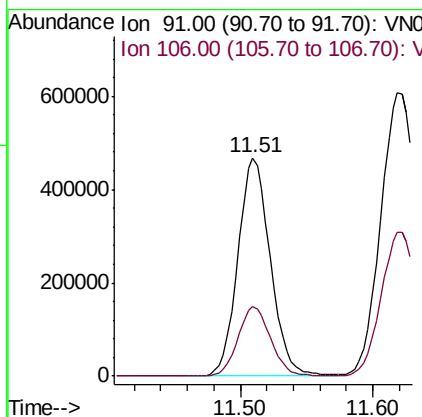
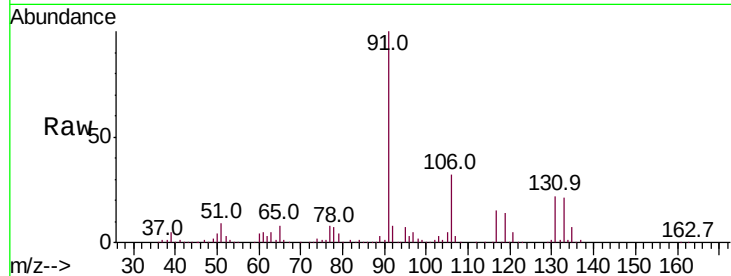
#67  
Ethyl Benzene  
Concen: 48.083 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion: 91 Resp: 794549  
Ion Ratio Lower Upper  
91 100  
106 31.9 25.1 37.7

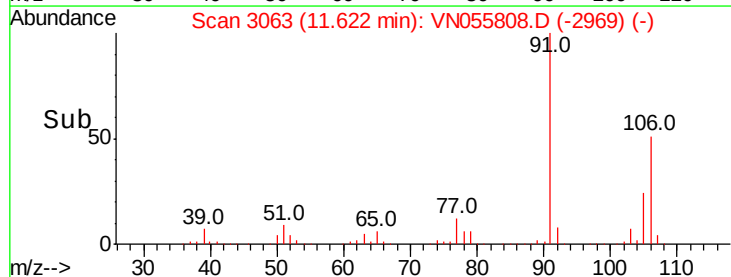
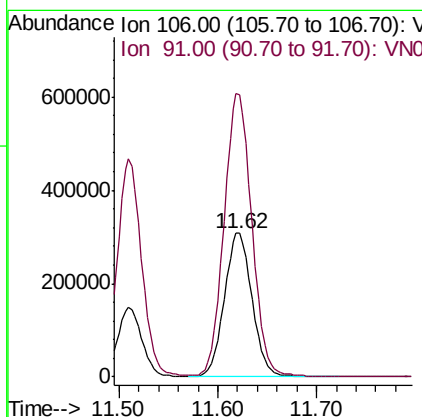
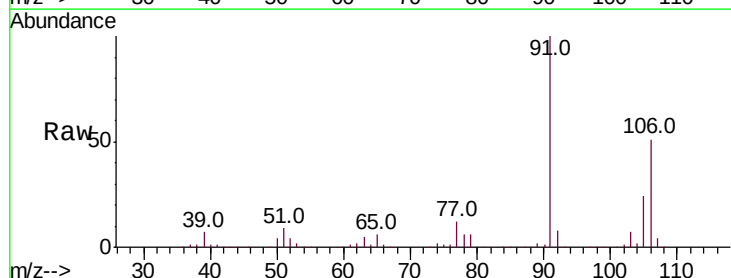
Manual Integrations  
APPROVED

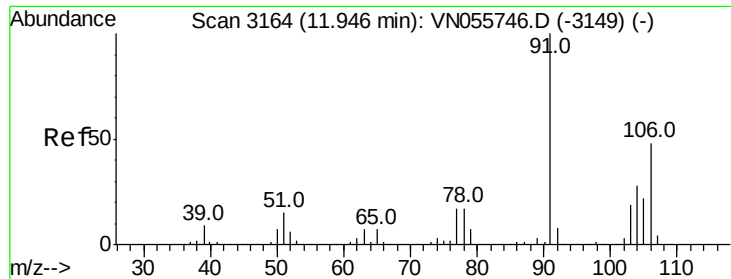
MMDadoda  
5/28/2019 10:36:19 AM



#68  
m/p-Xylenes  
Concen: 97.178 ug/l  
RT: 11.62 min Scan# 3063  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Tgt Ion: 106 Resp: 607077  
Ion Ratio Lower Upper  
106 100  
91 197.4 159.3 238.9





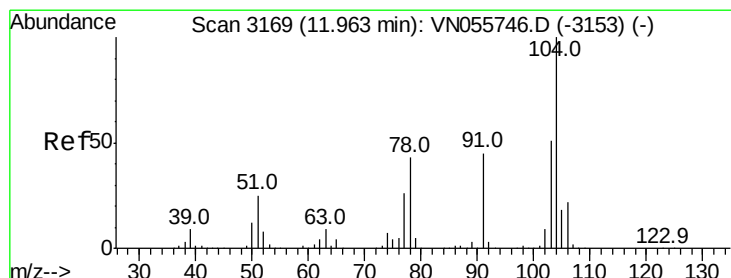
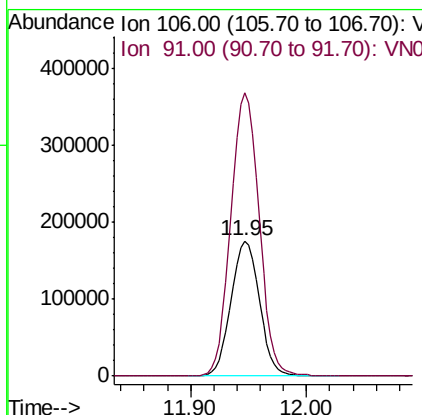
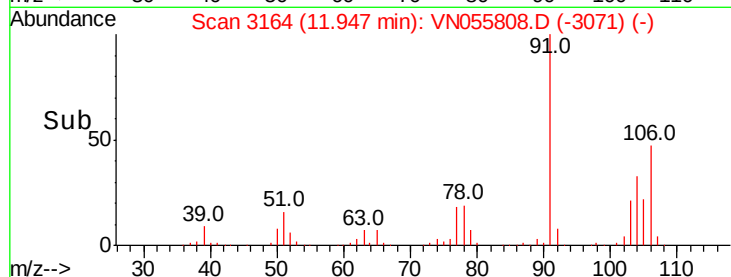
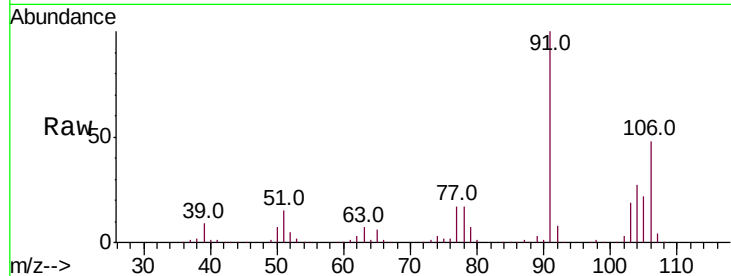
#69  
o-Xylene  
Concen: 48.231 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 298935  
Ion Ratio Lower Upper  
106 100  
91 209.0 104.7 314.1

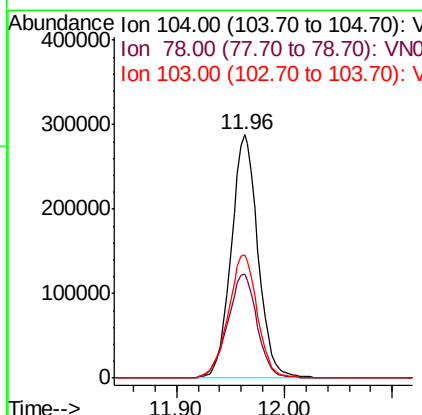
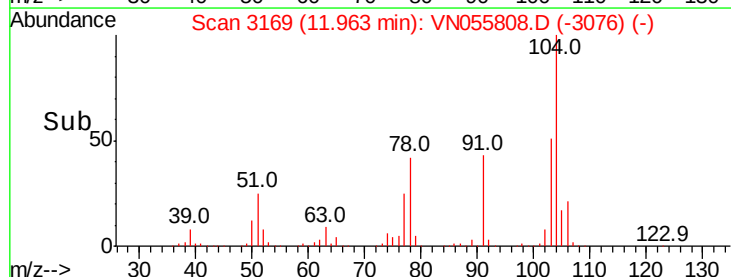
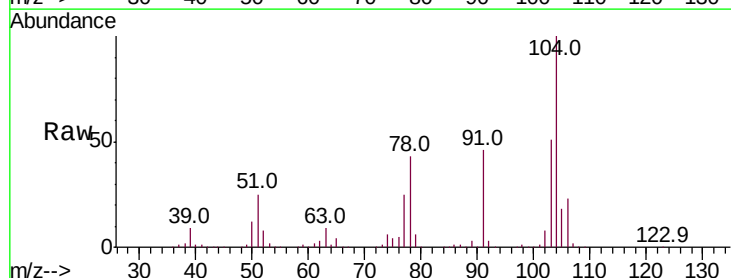
Manual Integrations  
APPROVED

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5/28/2019 10:36:19 AM

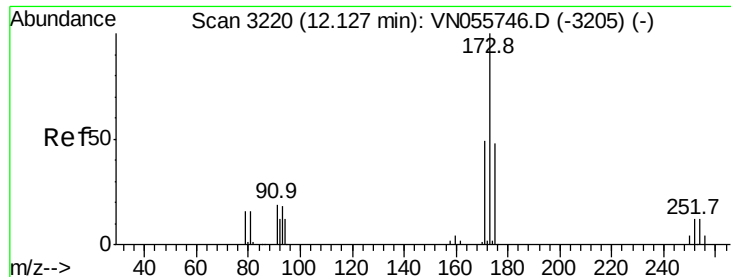


#70  
Styrene  
Concen: 49.601 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Tgt Ion:104 Resp: 497845  
Ion Ratio Lower Upper  
104 100  
78 47.0 37.8 56.6  
103 55.2 44.2 66.2







#71

Bromoform

Concen: 47.492 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 148874

Ion Ratio Lower Upper

173 100

175 49.5 24.3 72.8

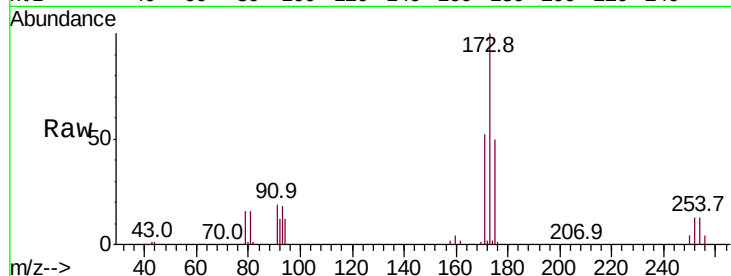
254 0.0 0.0 0.0#

Manual Integrations

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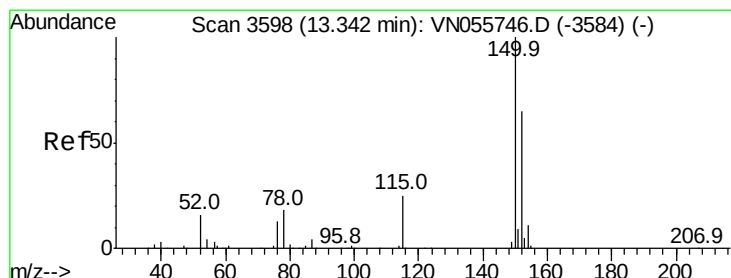
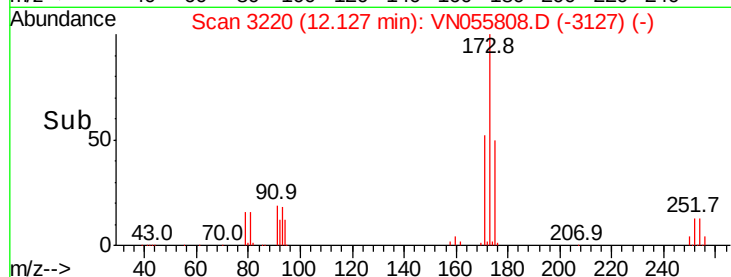
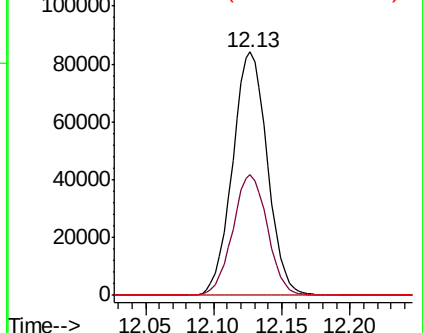
5/28/2019 10:36:19 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

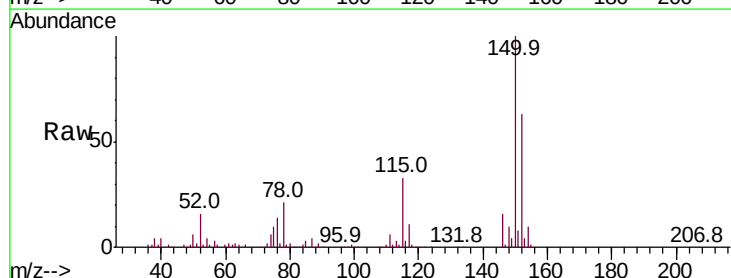
Tgt Ion:152 Resp: 203383

Ion Ratio Lower Upper

152 100

115 53.6 27.0 81.0

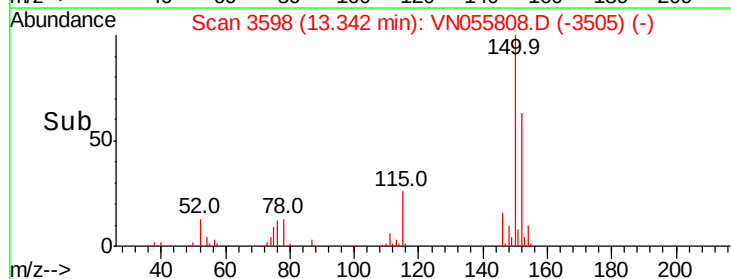
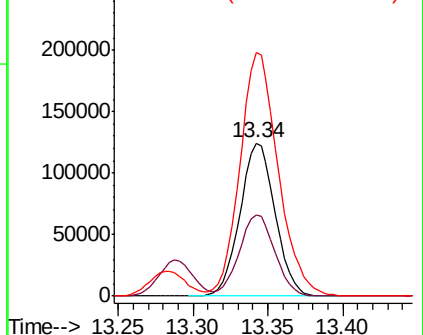
150 173.0 0.0 343.2

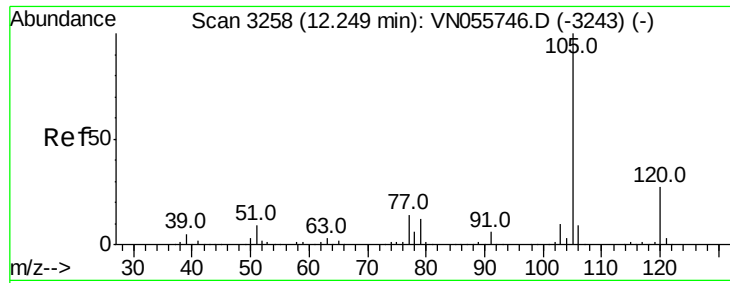


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.350 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 782949

Ion Ratio Lower Upper

105 100

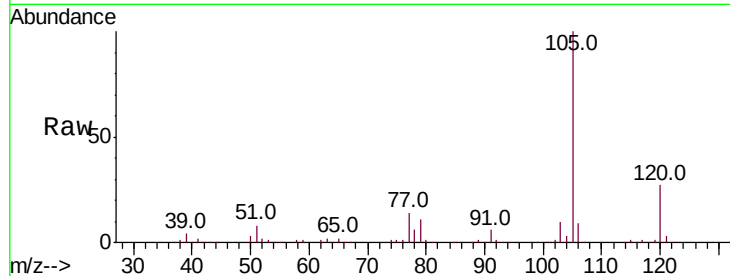
120 27.3 13.6 40.7

Manual Integrations

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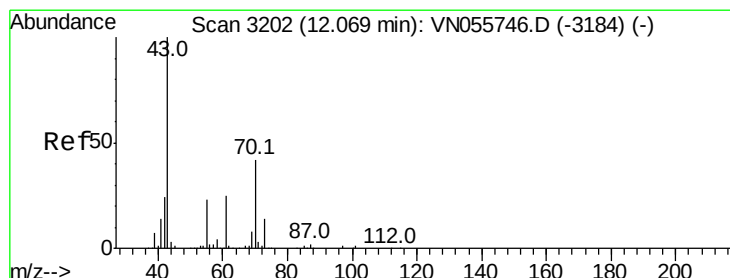
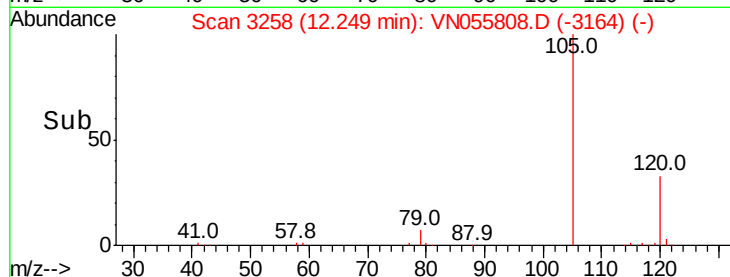
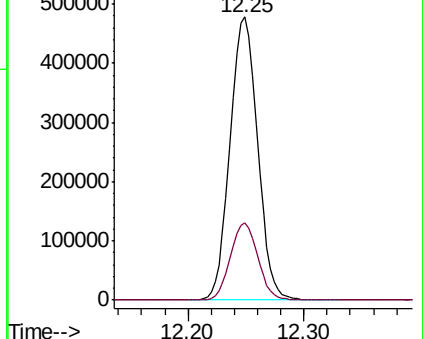
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 50.914 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Tgt Ion: 43 Resp: 280177

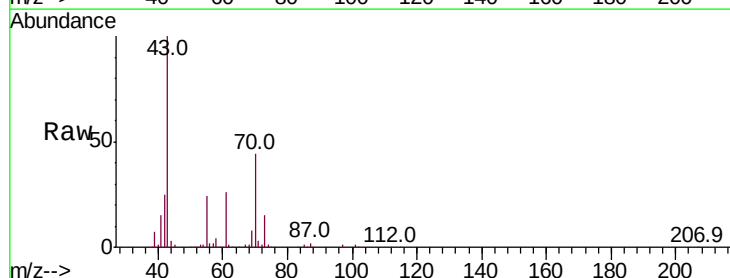
Ion Ratio Lower Upper

43 100

70 43.6 34.0 51.0

55 24.2 18.6 28.0

61 25.6 20.0 30.0

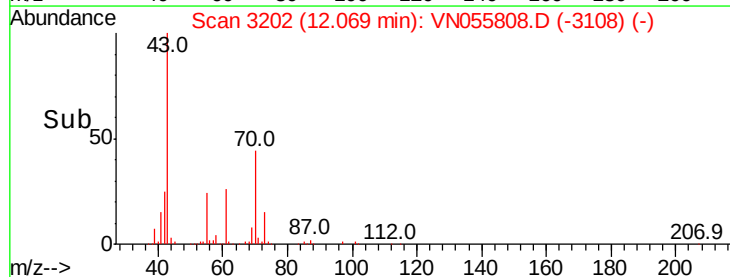
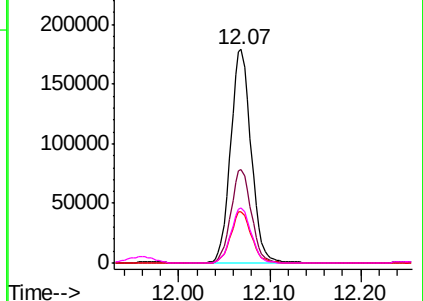


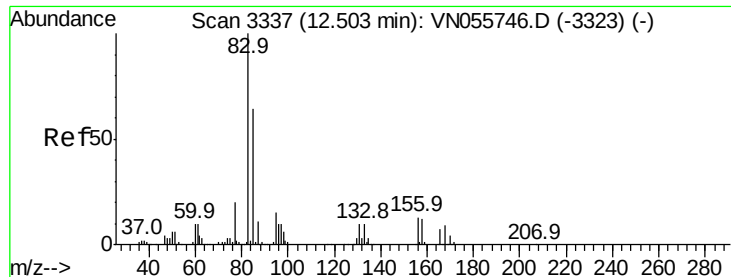
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 53.967 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

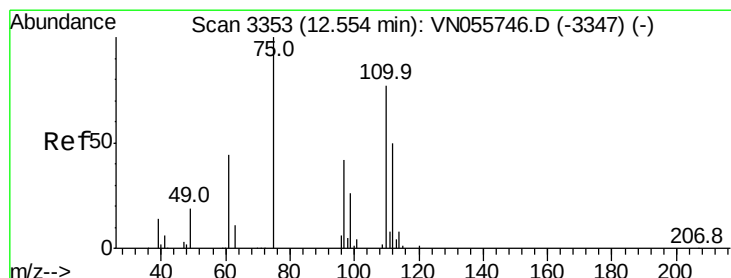
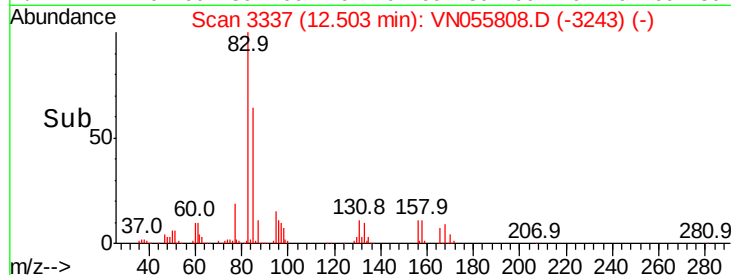
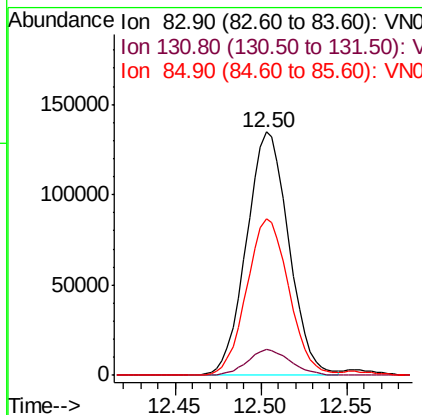
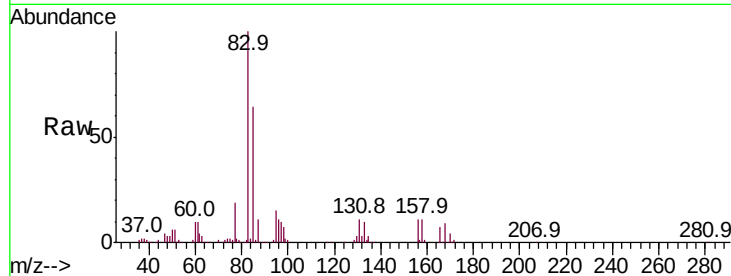
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 230115 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.8  | 5.4   | 16.2   |
| 85        | 64.0  | 32.4  | 97.0   |

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#76

1,2,3-Trichloropropane

Concen: 55.520 ug/l m

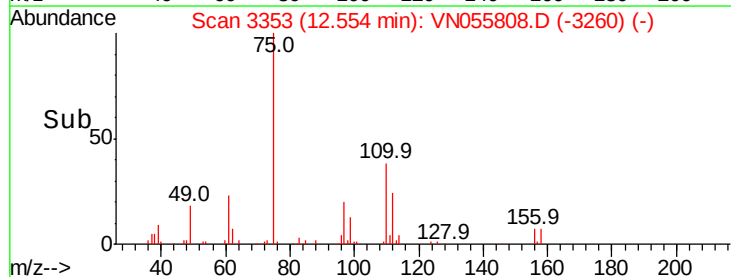
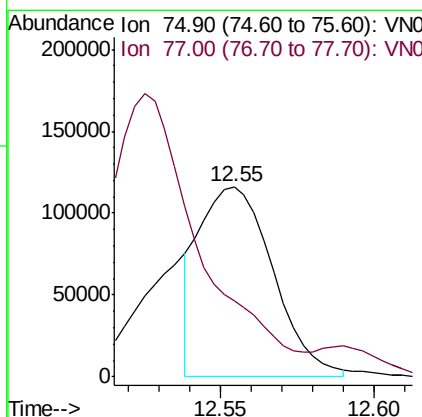
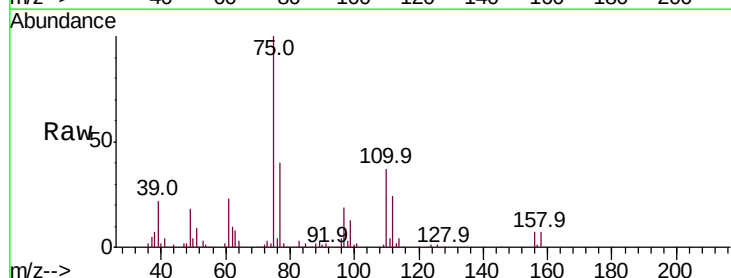
RT: 12.55 min Scan# 3353

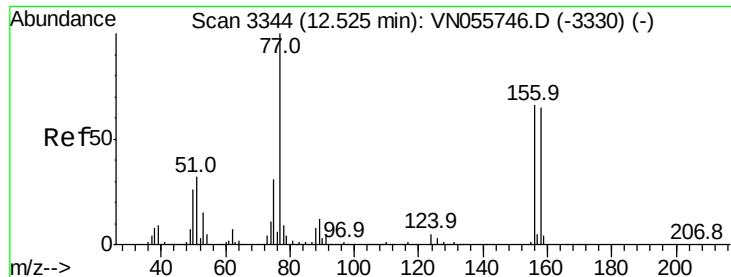
Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 193216 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 48.771 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

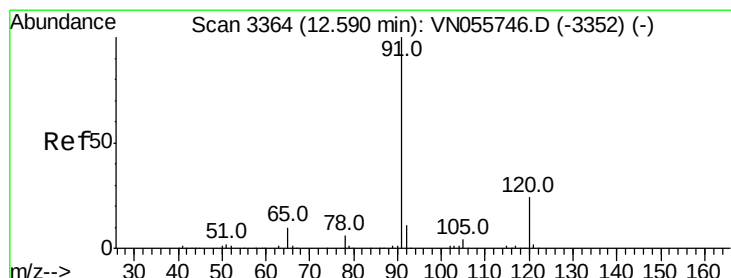
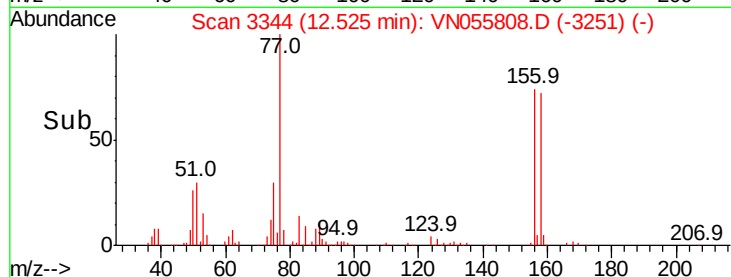
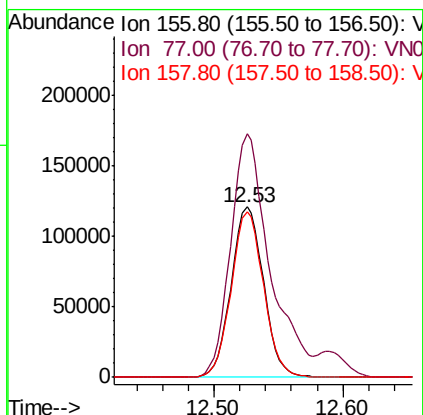
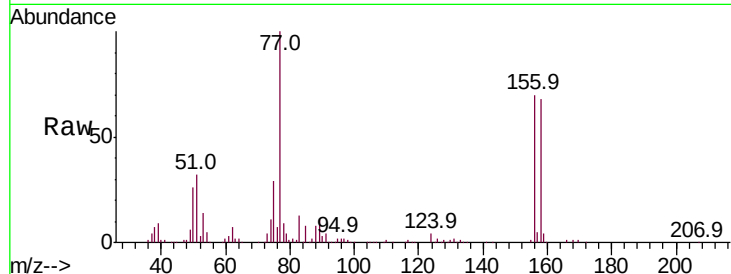
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 211666 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 173.0 | 90.8  | 272.5  |
| 158       | 96.9  | 49.3  | 147.8  |

Manual Integrations  
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#78

n-propylbenzene

Concen: 47.089 ug/l

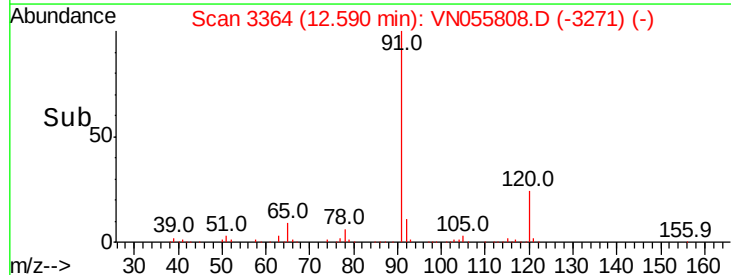
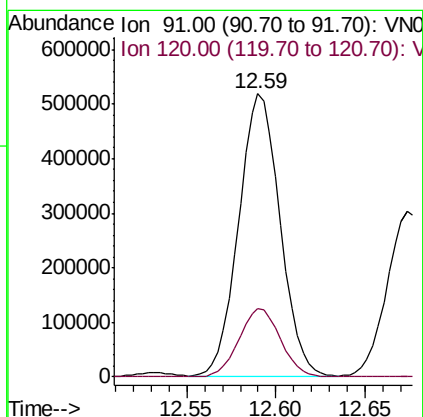
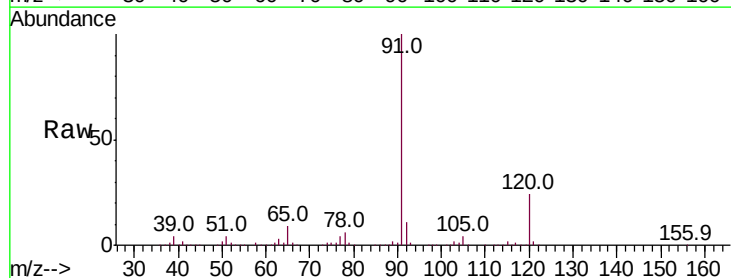
RT: 12.59 min Scan# 3364

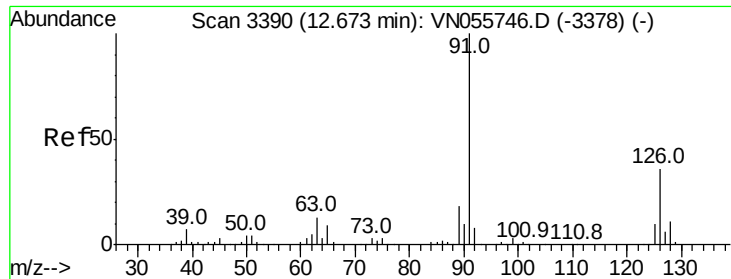
Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 832385 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.4  | 12.0  | 36.0   |





#79

2-Chlorotoluene

Concen: 52.859 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 501905

Ion Ratio Lower Upper

91 100

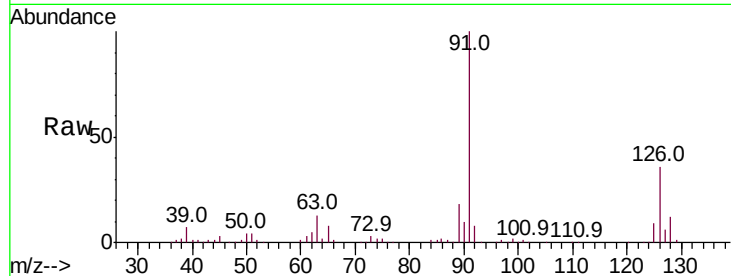
126 36.6 18.1 54.4

Manual Integrations

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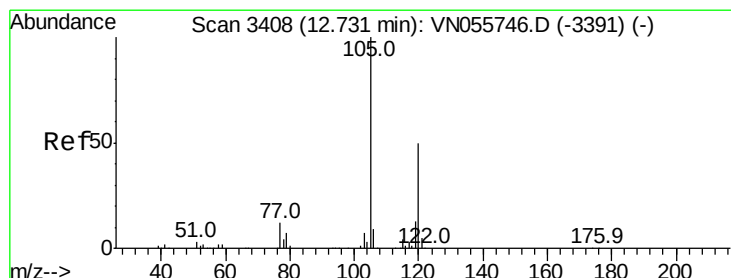
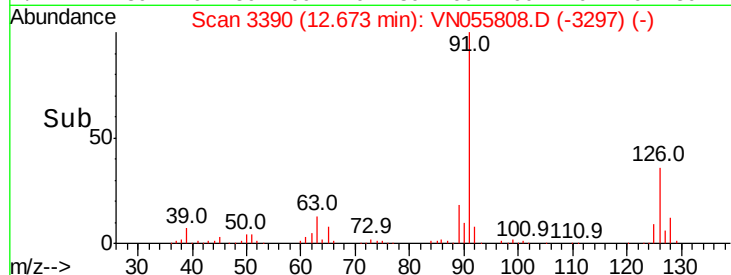
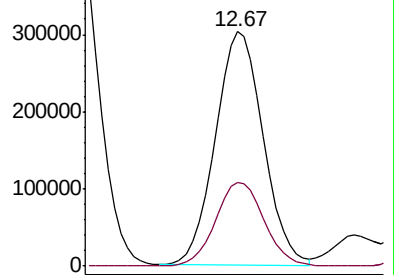
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Abundance Ion 91.00 (90.70 to 91.70): VN055808.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN055808.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.825 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055808.D

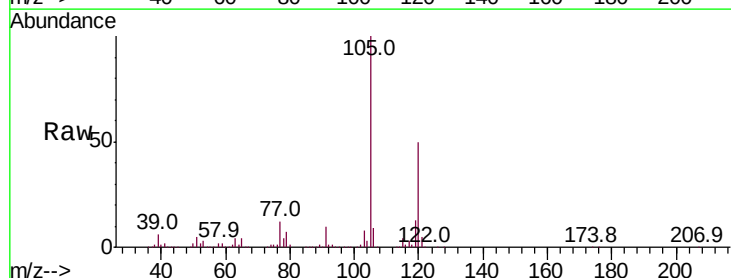
Acq: 24 May 2019 20:18

Tgt Ion: 105 Resp: 641517

Ion Ratio Lower Upper

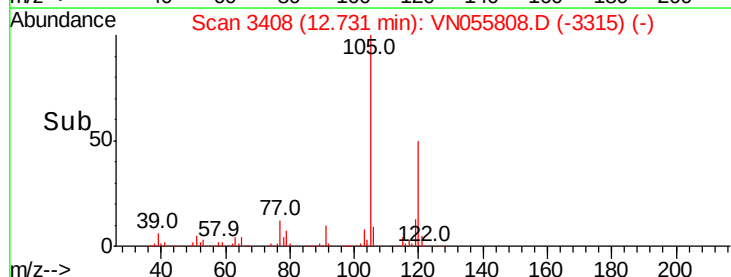
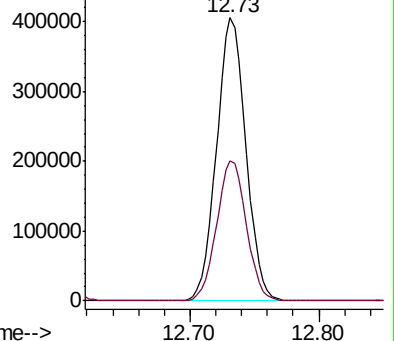
105 100

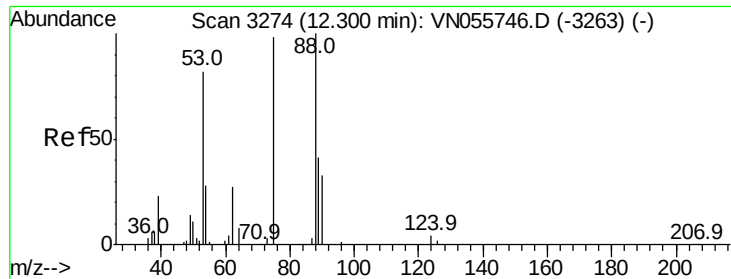
120 50.1 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055808.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN055808.D (-3408) (-)





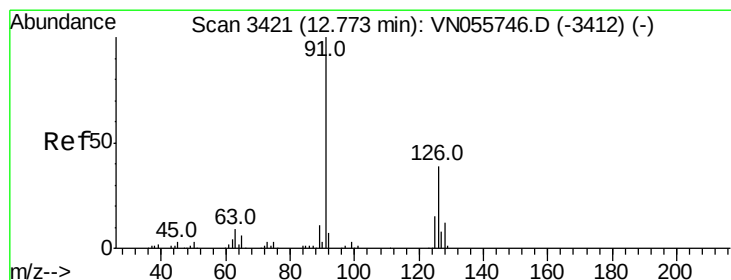
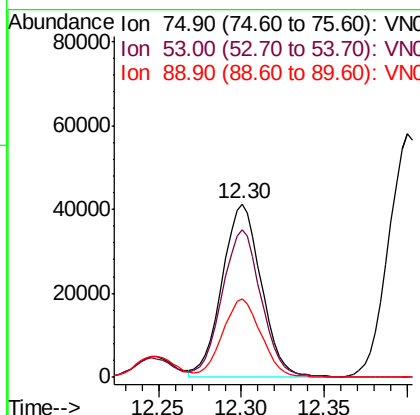
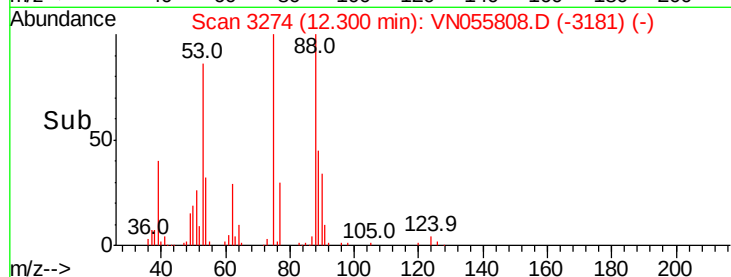
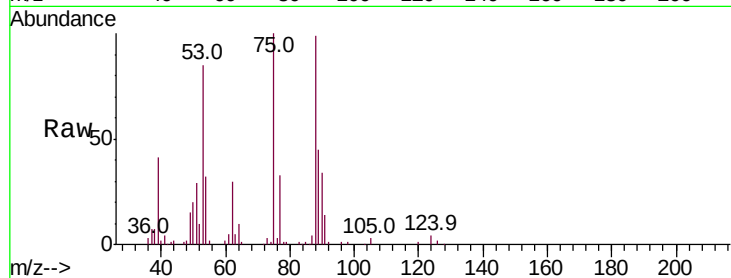
#81  
trans-1,4-Dichloro-2-butene  
Concen: 45.063 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 85.5  | 68.1  | 102.1 |
| 89      | 44.7  | 36.9  | 55.3  |

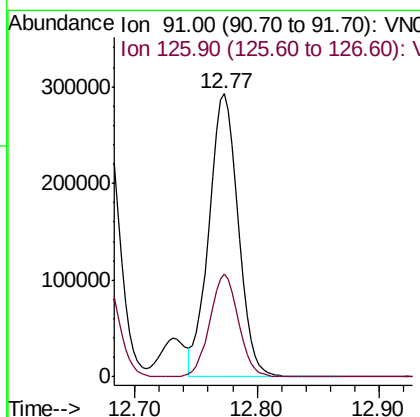
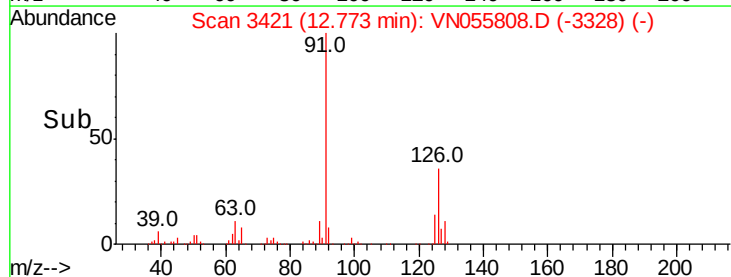
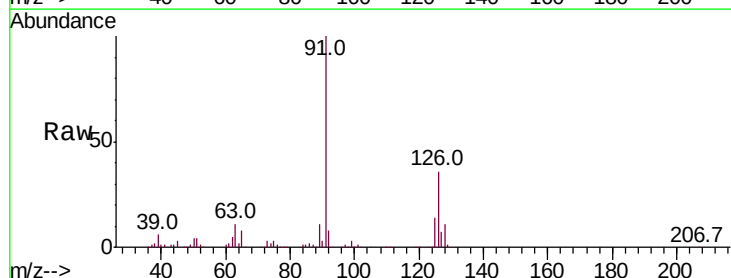
Manual Integrations  
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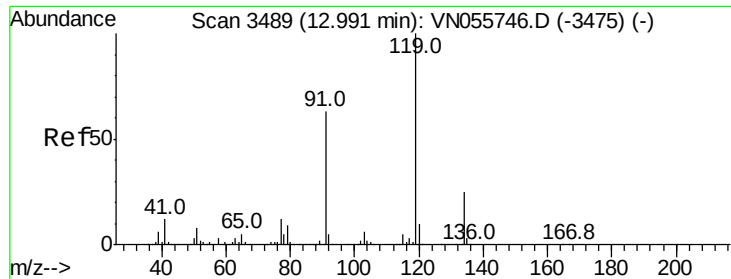
MMDadoda  
5/28/2019 10:36:19 AM



#82  
4-Chlorotoluene  
Concen: 47.290 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.6  | 17.8  | 53.3  |





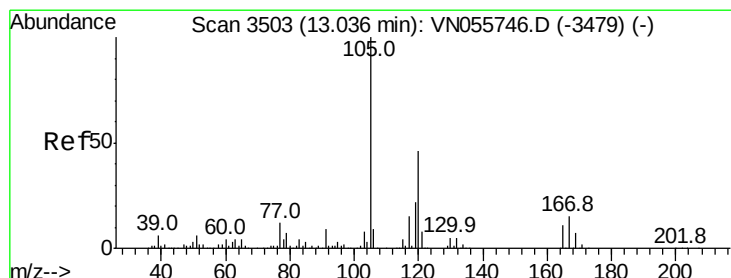
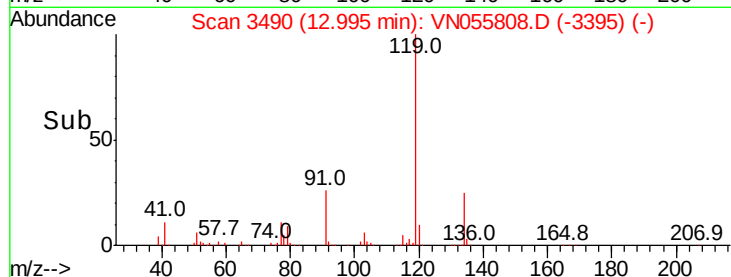
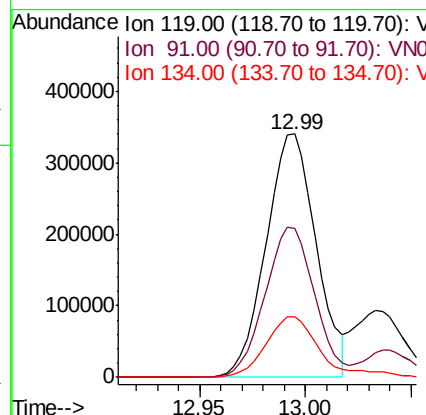
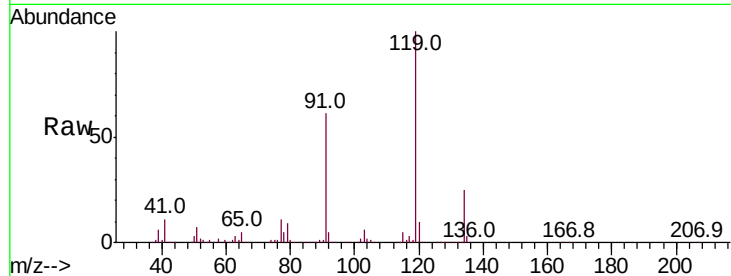
#83  
 tert-Butylbenzene  
 Concen: 53.834 ug/l  
 RT: 12.99 min Scan# 3490  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 119     | 100   | 564233 |       |       |
| 91      | 61.0  | 30.9   | 92.8  |       |
| 134     | 26.8  | 13.3   | 39.8  |       |

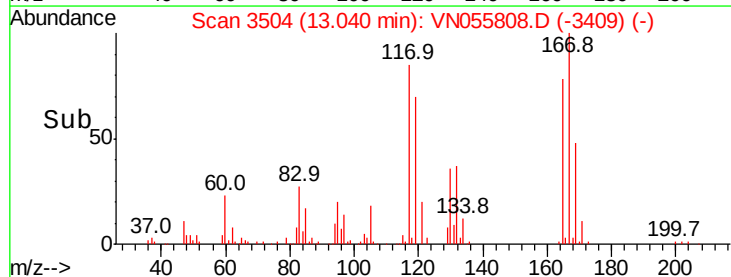
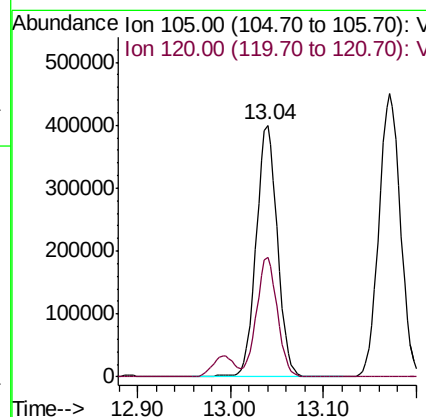
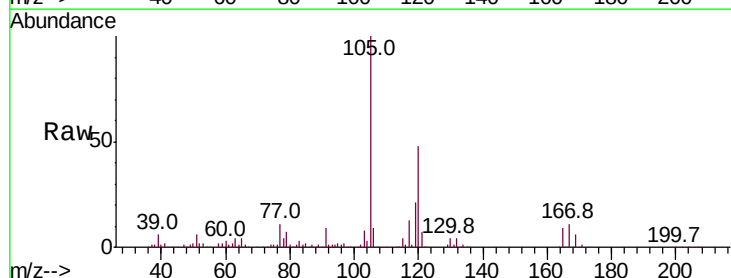
Manual Integrations  
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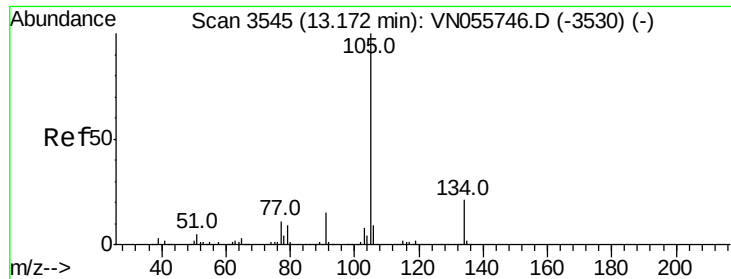
MMDadoda  
 5/28/2019 10:36:19 AM



#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.126 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 105     | 100   | 632525 |       |       |
| 120     | 46.8  | 23.0   | 69.0  |       |





#85

sec-Butylbenzene

Concen: 52.911 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 722543

Ion Ratio Lower Upper

105 100

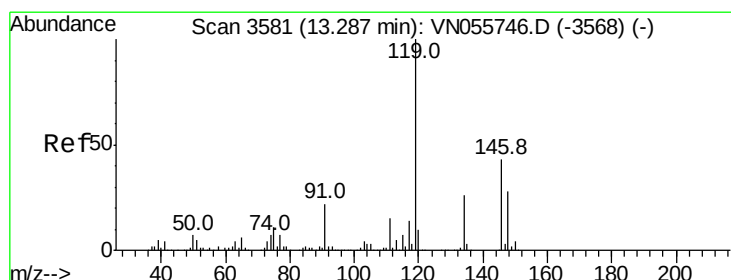
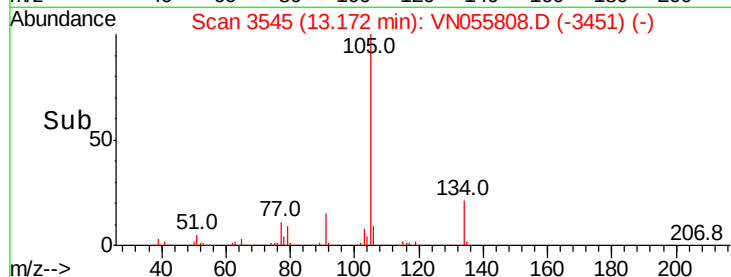
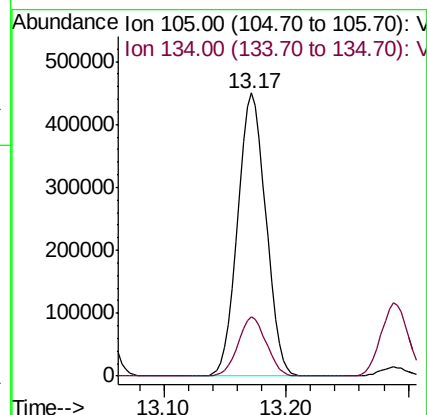
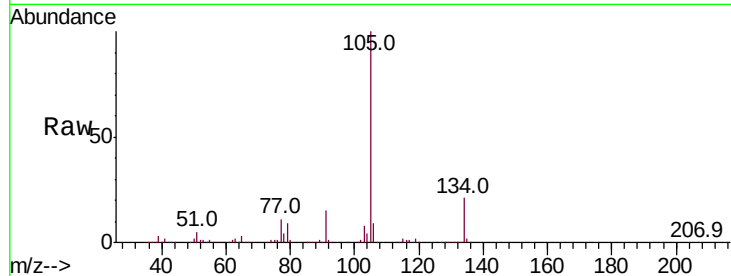
134 20.8 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 46.817 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055808.D

Acq: 24 May 2019 20:18

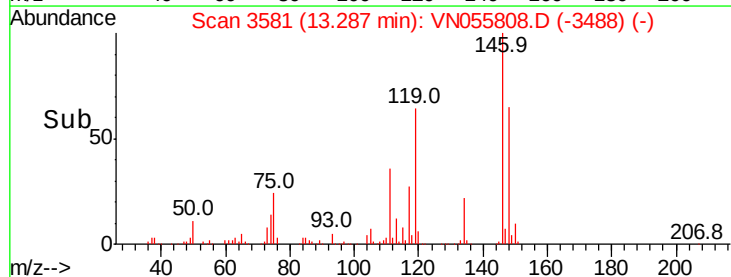
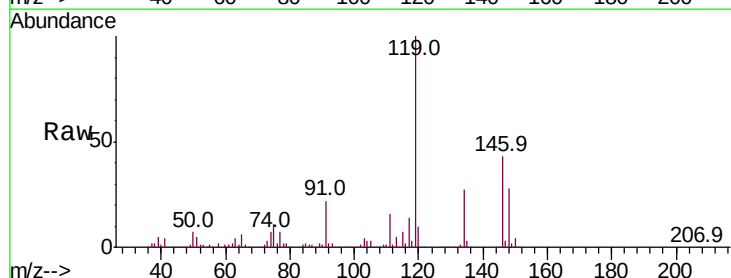
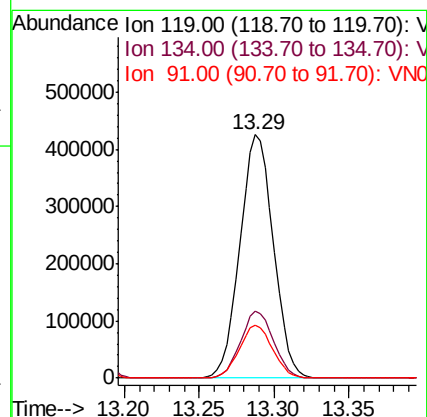
Tgt Ion:119 Resp: 661246

Ion Ratio Lower Upper

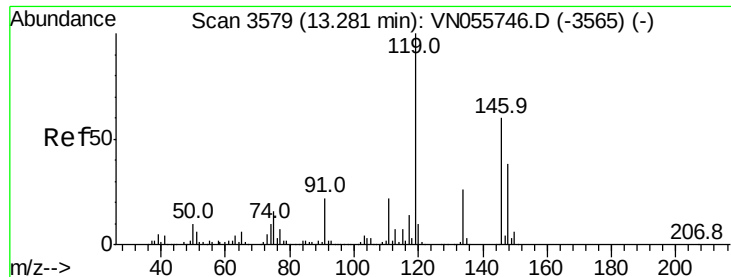
119 100

134 27.1 13.4 40.1

91 21.5 10.9 32.9







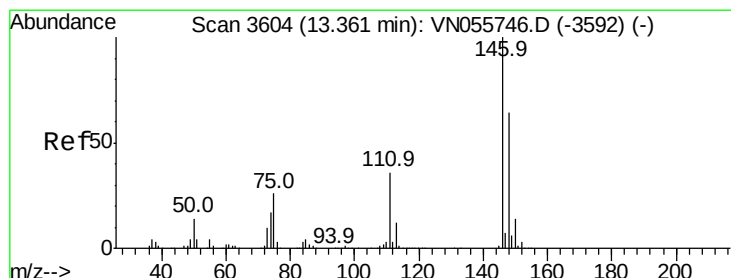
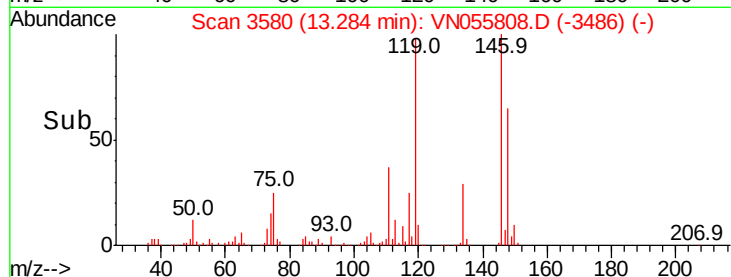
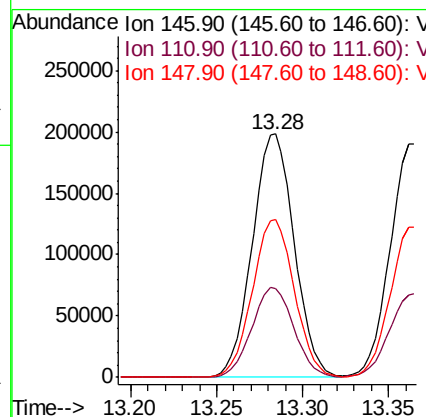
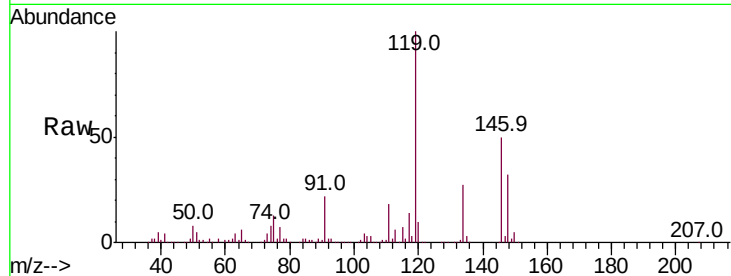
#87  
 1,3-Dichlorobenzene  
 Concen: 48.788 ug/l  
 RT: 13.28 min Scan# 3580  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 36.9  | 18.5  | 55.5  |
| 148     | 64.8  | 32.0  | 96.2  |

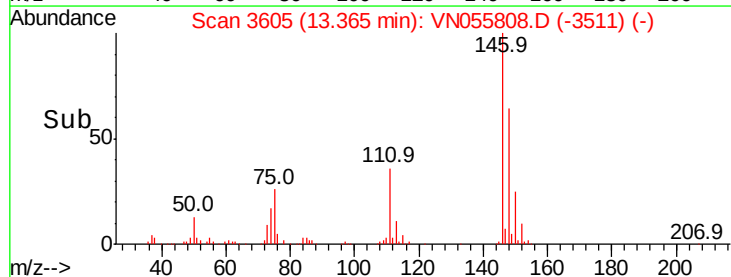
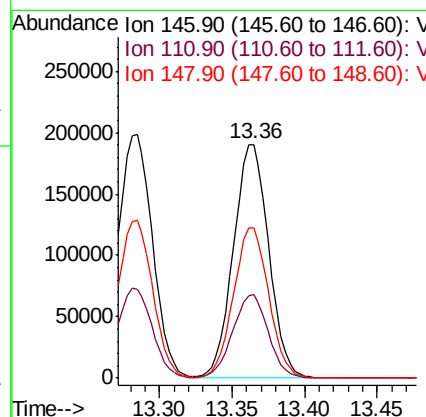
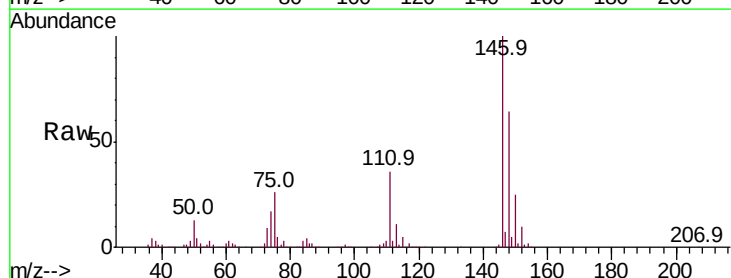
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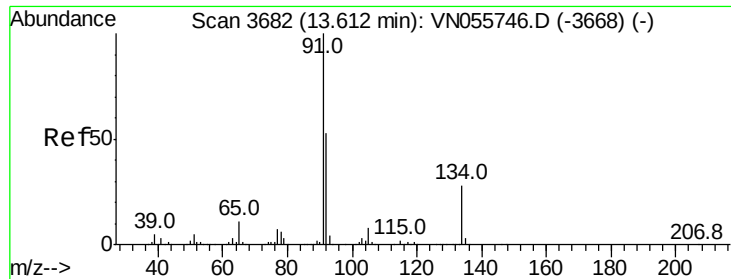
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#88  
 1,4-Dichlorobenzene  
 Concen: 49.297 ug/l  
 RT: 13.36 min Scan# 3605  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 35.7  | 18.1  | 54.4  |
| 148     | 64.4  | 32.1  | 96.5  |





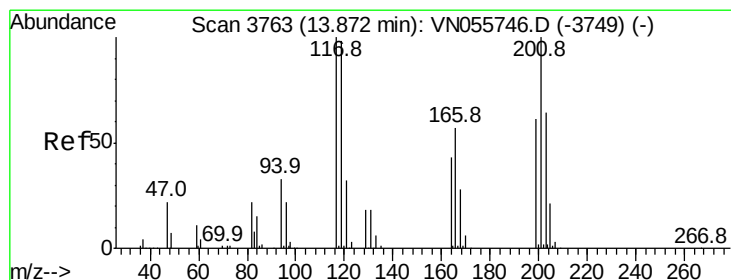
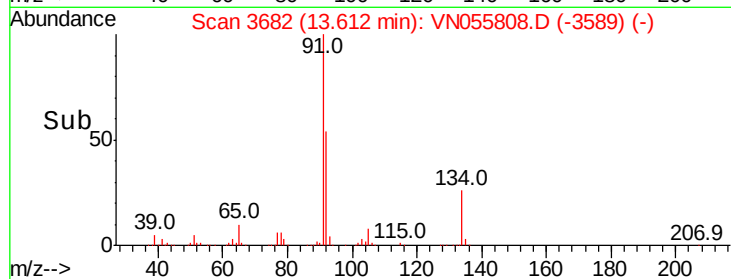
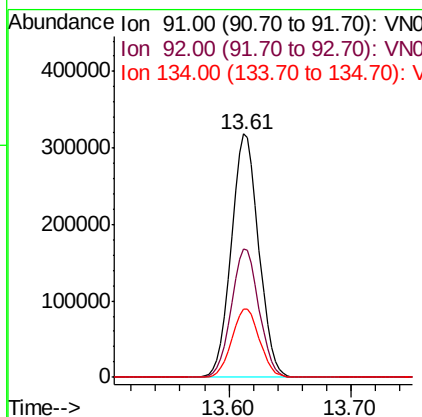
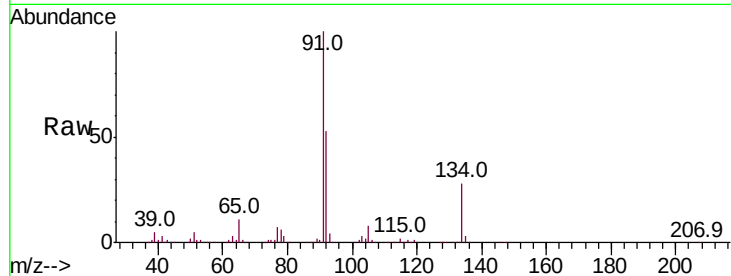
#89  
n-Butylbenzene  
Concen: 45.914 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.1  | 26.4  | 79.0  |
| 134     | 28.4  | 13.9  | 41.7  |

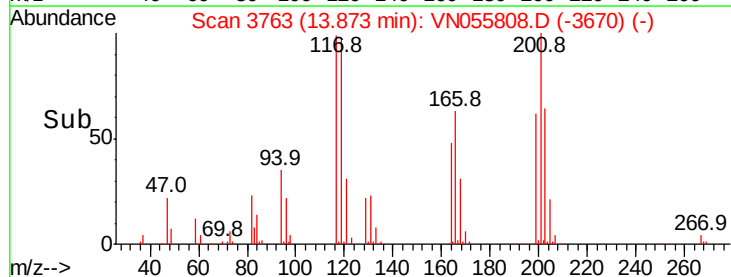
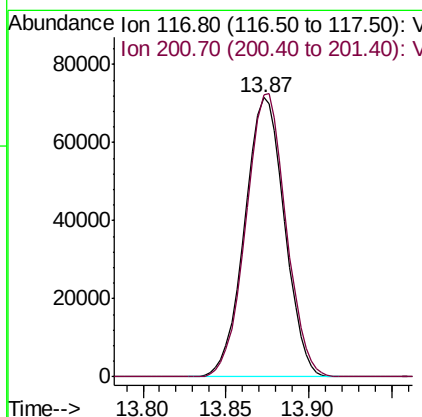
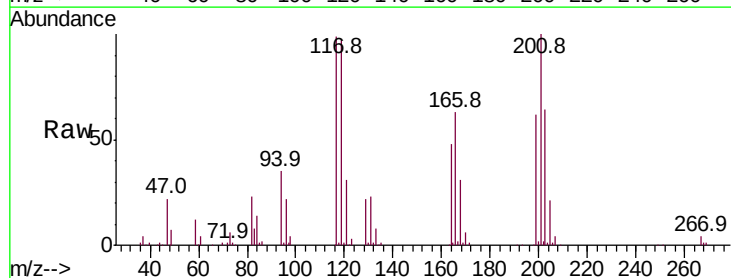
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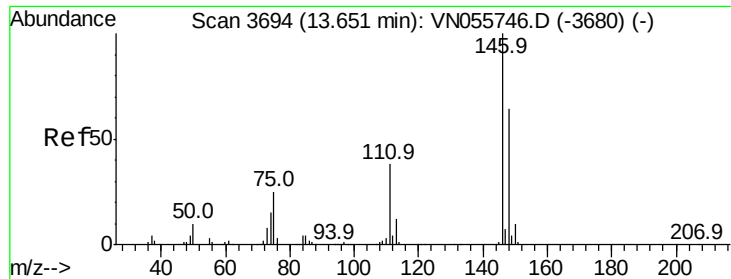
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#90  
Hexachloroethane  
Concen: 44.490 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 101.7 | 50.0  | 150.0 |





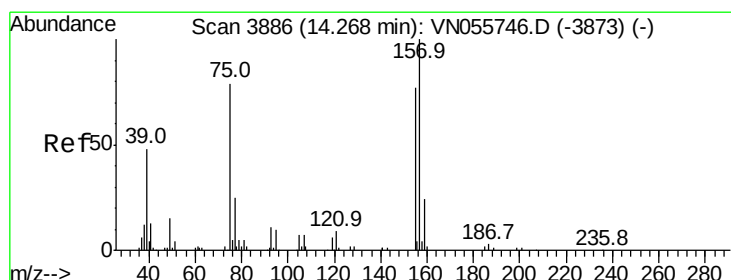
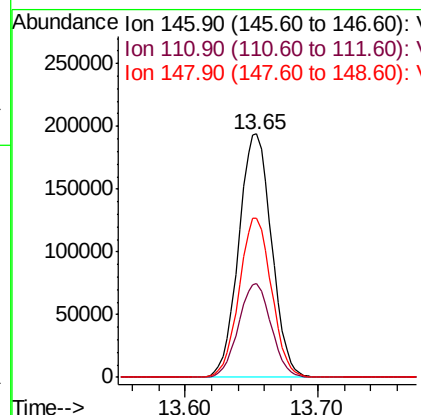
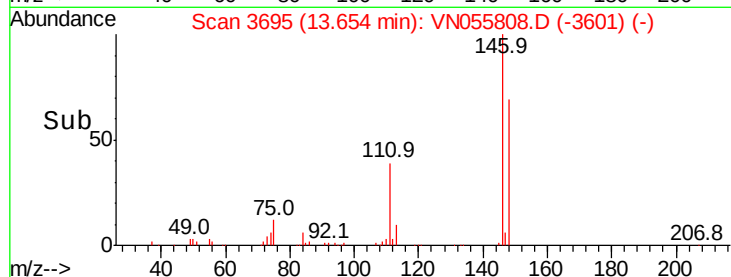
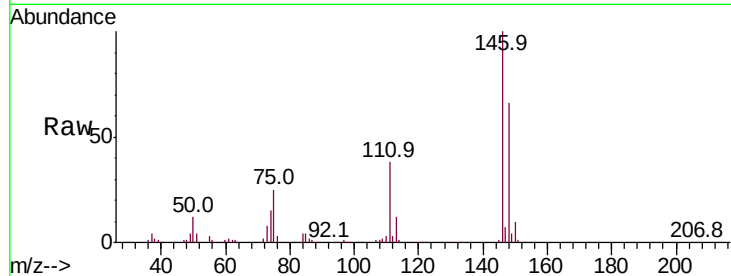
#91  
 1,2-Dichlorobenzene  
 Concen: 48.603 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.3  | 19.1  | 57.5  |
| 148     | 64.4  | 31.9  | 95.9  |

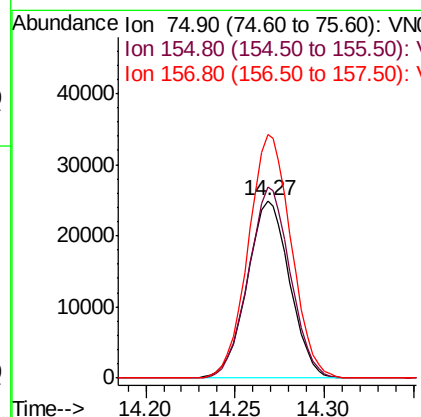
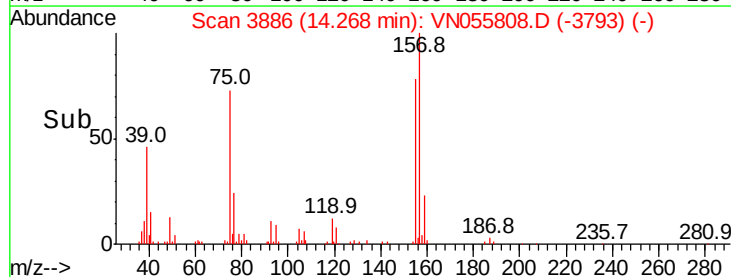
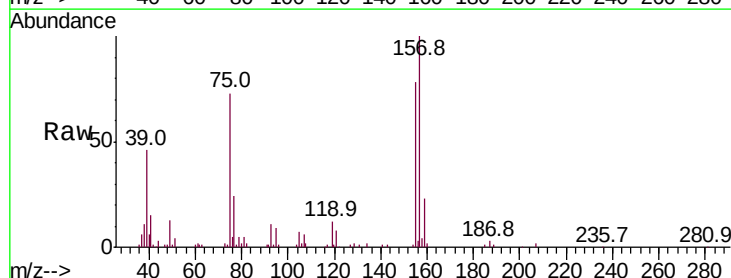
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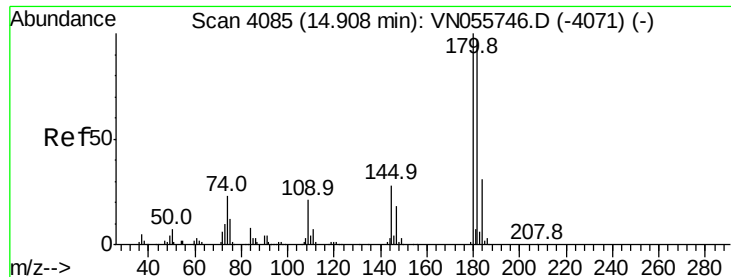
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 46.058 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 106.5 | 50.0  | 150.1 |
| 157     | 138.4 | 64.8  | 194.3 |





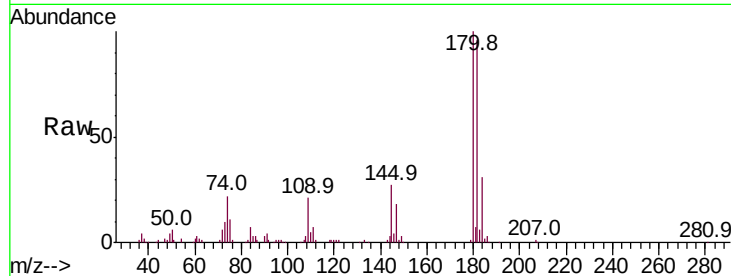
#93  
 1,2,4-Trichlorobenzene  
 Concen: 46.378 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 180     | 100   |      |       |       |
| 182     | 95.7  | 48.3 | 144.9 |       |
| 145     | 27.6  | 14.0 | 41.9  |       |

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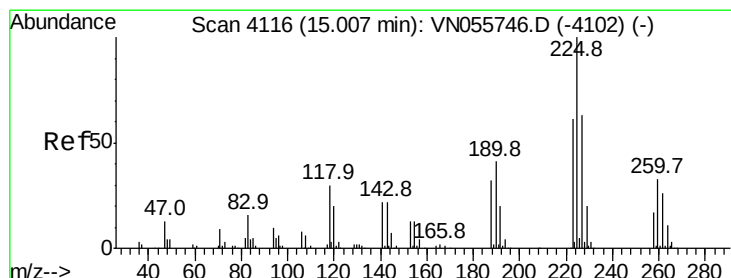
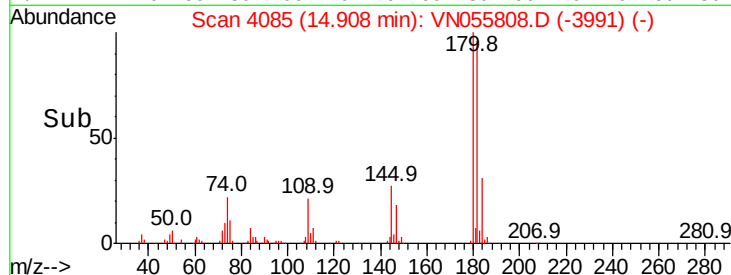
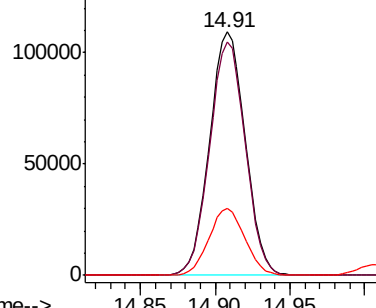


Abundance

Ion 179.80 (179.50 to 180.50): V

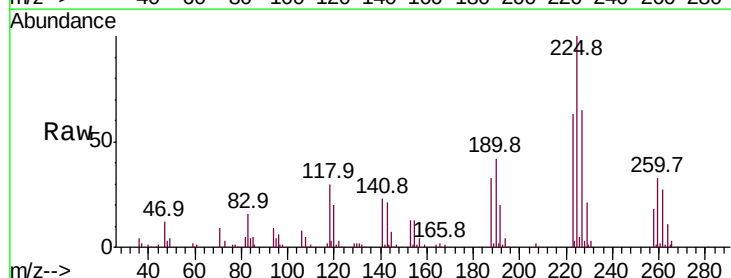
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94  
 Hexachlorobutadiene  
 Concen: 49.476 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055808.D  
 Acq: 24 May 2019 20:18

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 225     | 100   |      |       |       |
| 223     | 62.8  | 30.9 | 92.7  |       |
| 227     | 64.0  | 31.6 | 94.7  |       |

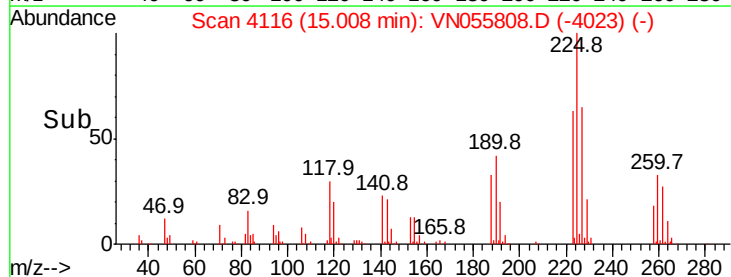
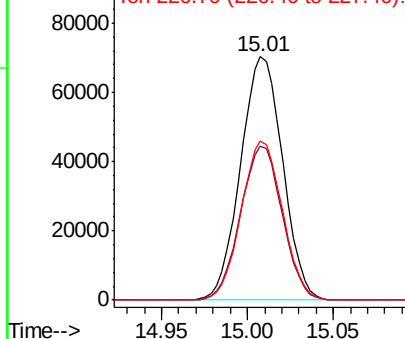


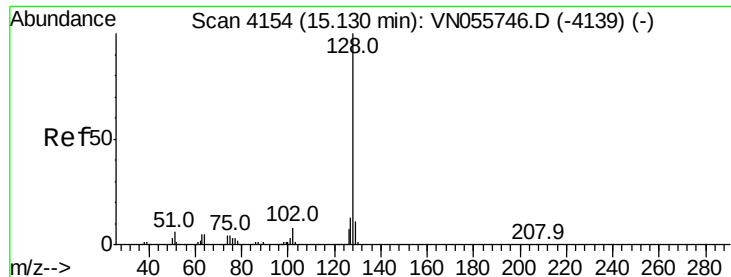
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





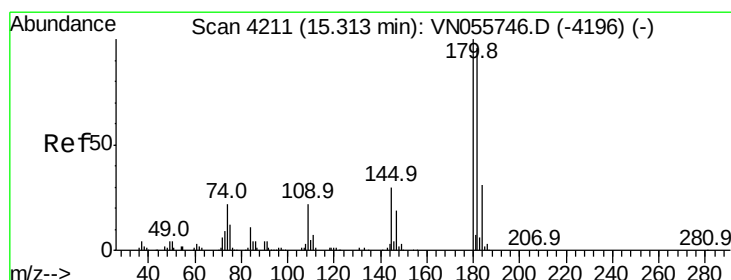
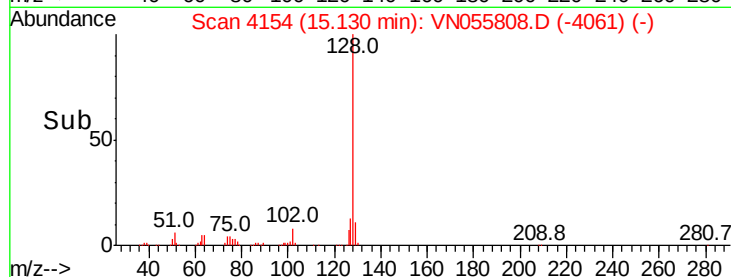
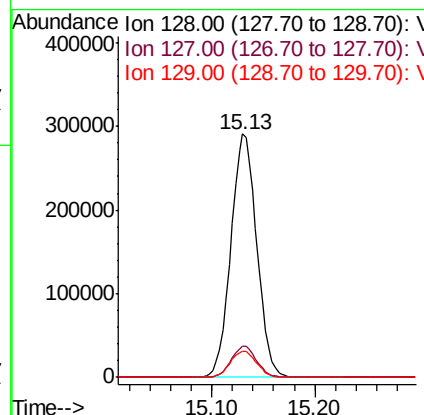
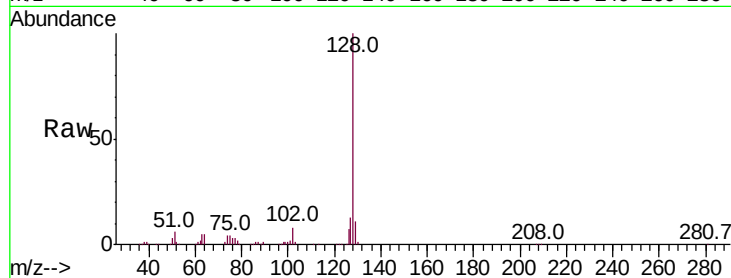
#95  
Naphthalene  
Concen: 53.941 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

|             |       |        |
|-------------|-------|--------|
| Tot Ion:128 | Resp: | 507489 |
| Ion Ratio   | Lower | Upper  |
| 128 100     |       |        |
| 127 12.7    | 10.3  | 15.5   |
| 129 11.0    | 8.7   | 13.1   |

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#96  
1,2,3-Trichlorobenzene  
Concen: 53.174 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN055808.D  
Acq: 24 May 2019 20:18

|             |       |        |
|-------------|-------|--------|
| Tgt Ion:180 | Resp: | 192719 |
| Ion Ratio   | Lower | Upper  |
| 180 100     |       |        |
| 182 95.7    | 47.9  | 143.7  |
| 145 29.1    | 14.9  | 44.7   |

