

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052319\  
 Data File : VN055756.D  
 Acq On : 23 May 2019 16:21  
 Operator : JC/SP  
 Sample : VN0523WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/24/2019 9:22:33 AM

Quant Time: May 24 07:12:00 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  | 386907   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.58  | 114  | 547403   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.41 | 117  | 478066   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.34 | 152  | 205405   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 8.03   | 65  | 194465   | 48.67 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.34% |      |
| 35) Dibromofluoromethane    | 7.59   | 113 | 172970   | 49.98 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.96% |      |
| 50) Toluene-d8              | 10.09  | 98  | 658368   | 49.59 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.18% |      |
| 62) 4-Bromofluorobenzene    | 12.40  | 95  | 219401   | 48.20 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.40% |      |

| Target Compounds              |      |     |        |        |      | Qvalue |
|-------------------------------|------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane    | 1.85 | 85  | 46058  | 17.688 | ug/l | 99     |
| 3) Chloromethane              | 2.06 | 50  | 65264  | 17.889 | ug/l | 100    |
| 4) Vinyl Chloride             | 2.18 | 62  | 72305  | 18.581 | ug/l | 99     |
| 5) Bromomethane               | 2.54 | 94  | 51848  | 21.298 | ug/l | 97     |
| 6) Chloroethane               | 2.69 | 64  | 45458  | 19.403 | ug/l | 98     |
| 7) Trichlorofluoromethane     | 3.01 | 101 | 98909  | 19.388 | ug/l | 100    |
| 8) Diethyl Ether              | 3.40 | 74  | 43055  | 18.830 | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74 | 101 | 60770  | 19.082 | ug/l | 98     |
| 10) Methyl Iodide             | 3.94 | 142 | 90054  | 19.342 | ug/l | 100    |
| 11) Tert butyl alcohol        | 4.82 | 59  | 72086  | 94.423 | ug/l | 95     |
| 12) 1,1-Dichloroethene        | 3.72 | 96  | 62715  | 19.059 | ug/l | 97     |
| 13) Acrolein                  | 3.60 | 56  | 48299  | 88.354 | ug/l | 98     |
| 14) Allyl chloride            | 4.31 | 41  | 104581 | 18.540 | ug/l | 98     |
| 15) Acrylonitrile             | 4.99 | 53  | 168311 | 96.010 | ug/l | 100    |
| 16) Acetone                   | 3.82 | 43  | 162025 | 92.248 | ug/l | 98     |
| 17) Carbon Disulfide          | 4.04 | 76  | 169407 | 18.121 | ug/l | 100    |
| 18) Methyl Acetate            | 4.33 | 43  | 71628  | 19.283 | ug/l | 98     |
| 19) Methyl tert-butyl Ether   | 5.05 | 73  | 212089 | 19.326 | ug/l | 97     |
| 20) Methylene Chloride        | 4.54 | 84  | 71719  | 18.855 | ug/l | 97     |
| 21) trans-1,2-Dichloroethene  | 5.03 | 96  | 66020  | 18.675 | ug/l | 97     |
| 22) Diisopropyl ether         | 5.96 | 45  | 207405 | 18.904 | ug/l | 98     |
| 23) Vinyl Acetate             | 5.90 | 43  | 901784 | 95.865 | ug/l | 100    |
| 24) 1,1-Dichloroethane        | 5.84 | 63  | 121304 | 18.990 | ug/l | 99     |
| 25) 2-Butanone                | 6.84 | 43  | 231709 | 94.461 | ug/l | 100    |
| 26) 2,2-Dichloropropane       | 6.82 | 77  | 102707 | 18.578 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene    | 6.82 | 96  | 79734  | 19.333 | ug/l | 99     |
| 28) Bromochloromethane        | 7.19 | 49  | 60800  | 19.991 | ug/l | 98     |
| 29) Tetrahydrofuran           | 7.22 | 42  | 150076 | 96.612 | ug/l | 98     |
| 30) Chloroform                | 7.37 | 83  | 122316 | 19.200 | ug/l | 99     |
| 31) Cyclohexane               | 7.65 | 56  | 113263 | 18.885 | ug/l | 92     |
| 32) 1,1,1-Trichloroethane     | 7.57 | 97  | 110622 | 19.459 | ug/l | 99     |
| 36) 1,1-Dichloropropene       | 7.79 | 75  | 91492  | 19.179 | ug/l | 100    |
| 37) Ethyl Acetate             | 6.93 | 43  | 90597  | 19.650 | ug/l | 100    |
| 38) Carbon Tetrachloride      | 7.77 | 117 | 99425  | 20.009 | ug/l | 98     |

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 Sample : VN0523WBS01  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

Manual Integrations  
 APPROVED

MMDadoda  
 5/24/2019 9:22:33 AM

Quant Time: May 24 07:12:00 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   | 112647   | 19.069  | ug/l   | 99       |
| 40) Benzene                    | 8.04  | 78   | 286072   | 19.898  | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 42108    | 18.078  | ug/l   | 96       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 94748    | 20.168  | ug/l   | 100      |
| 43) Isopropyl Acetate          | 8.17  | 43   | 148887   | 19.220  | ug/l   | 99       |
| 44) Trichloroethene            | 8.83  | 130  | 81719    | 20.389  | ug/l   | 96       |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 74810    | 19.972  | ug/l   | 100      |
| 46) Dibromomethane             | 9.21  | 93   | 49703    | 20.233  | ug/l   | 97       |
| 47) Bromodichloromethane       | 9.40  | 83   | 99224    | 19.698  | ug/l   | 96       |
| 48) Methyl methacrylate        | 9.20  | 41   | 71661    | 20.072  | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 29994    | 404.276 | ug/l   | 93       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 456217   | 99.717  | ug/l   | 100      |
| 52) Toluene                    | 10.16 | 92   | 179764   | 19.881  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 106287   | 19.767  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 117364   | 19.703  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 72338    | 19.970  | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 108898   | 19.452  | ug/l   | 98       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 115937   | 19.690  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether  | 9.70  | 63   | 204384   | 95.532  | ug/l   | 99       |
| 59) 2-Hexanone                 | 10.75 | 43   | 315006   | 97.055  | ug/l   | 100      |
| 60) Dibromochloromethane       | 10.90 | 129  | 85348    | 20.225  | ug/l   | 99       |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 76066    | 20.245  | ug/l   | 100      |
| 64) Tetrachloroethene          | 10.63 | 164  | 82469    | 20.453  | ug/l   | 99       |
| 65) Chlorobenzene              | 11.43 | 112  | 193929   | 20.264  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 77803    | 20.383  | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 338879   | 19.745  | ug/l   | 100      |
| 68) m/p-Xylenes                | 11.62 | 106  | 259923   | 40.061  | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 129464   | 20.112  | ug/l   | 99       |
| 70) Styrene                    | 11.96 | 104  | 208527   | 20.004  | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 66663    | 20.475  | ug/l # | 98       |
| 73) Isopropylbenzene           | 12.25 | 105  | 341758   | 21.891  | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 119680   | 20.157  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 99359    | 21.042  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 81767m   | 21.312  | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 88796    | 20.258  | ug/l   | 97       |
| 78) n-propylbenzene            | 12.59 | 91   | 350555   | 19.636  | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 216282   | 21.014  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 281672   | 21.440  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 29283    | 19.181  | ug/l   | 95       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 206188   | 19.648  | ug/l   | 100      |
| 83) tert-Butylbenzene          | 12.99 | 119  | 247914   | 21.601  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 274603   | 21.007  | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 309903   | 21.045  | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 286136   | 20.059  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 138136   | 19.903  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 130890   | 19.836  | ug/l   | 99       |
| 89) n-Butylbenzene             | 13.61 | 91   | 207451   | 18.981  | ug/l   | 99       |
| 90) Hexachloroethane           | 13.87 | 117  | 53978    | 19.881  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 140205   | 20.248  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 17370    | 19.085  | ug/l   | 93       |

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Operator : JC/SP  
Sample : VN0523WBS01  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

Manual Integrations  
APPROVED

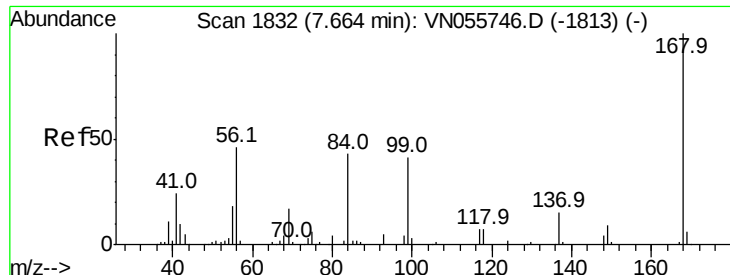
MMDadoda  
5/24/2019 9:22:33 AM

Quant Time: May 24 07:12:00 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  | 67441    | 19.334 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 56218    | 22.048 | ug/l  | 97       |
| 95) Naphthalene            | 15.13 | 128  | 179356   | 18.876 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 72758    | 19.877 | ug/l  | 99       |

(#) = 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: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion:168 Resp: 386907

Ion Ratio Lower Upper

168 100

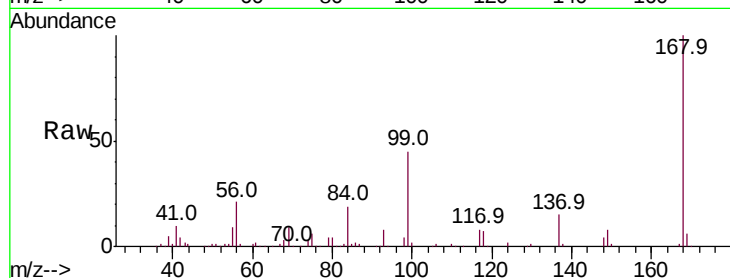
99 44.8 37.2 55.8

Manual Integrations

APPROVED

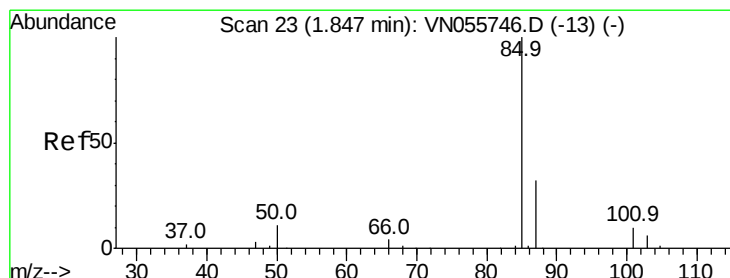
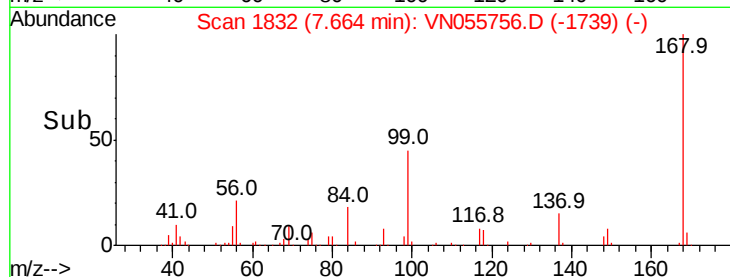
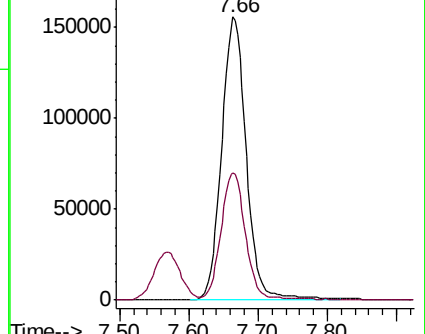
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5/24/2019 9:22:33 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.688 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055756.D

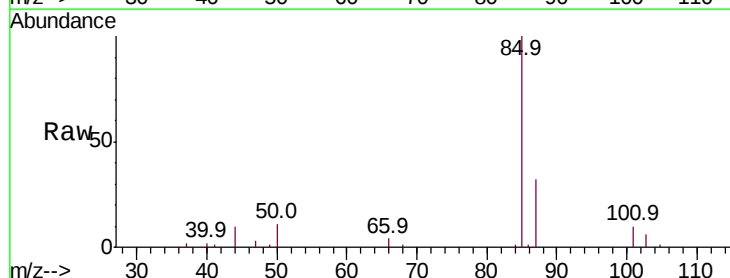
Acq: 23 May 2019 16:21

Tgt Ion: 85 Resp: 46058

Ion Ratio Lower Upper

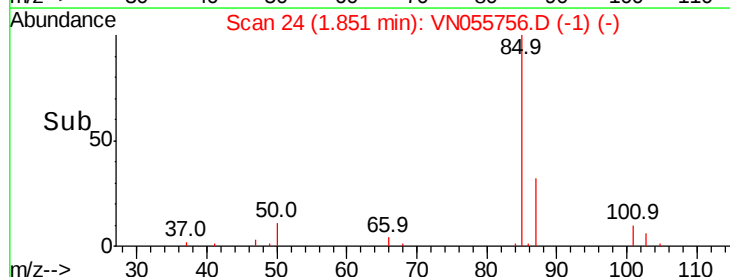
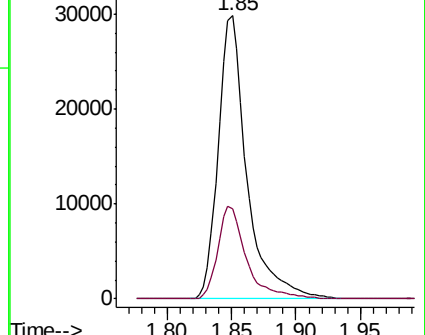
85 100

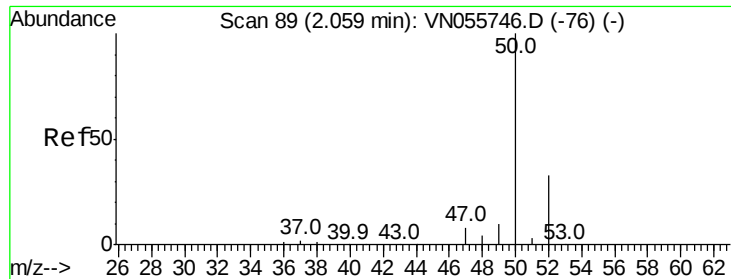
87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





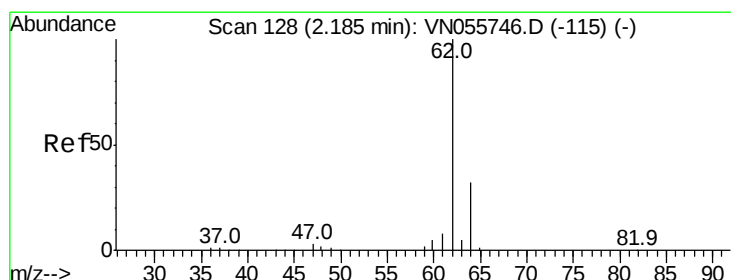
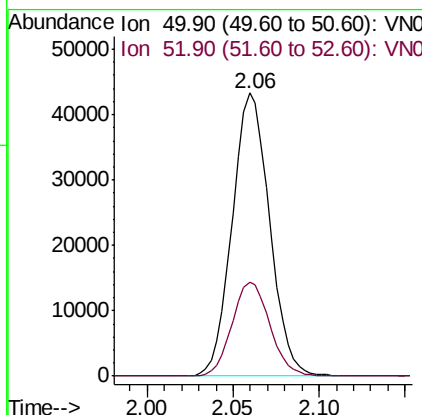
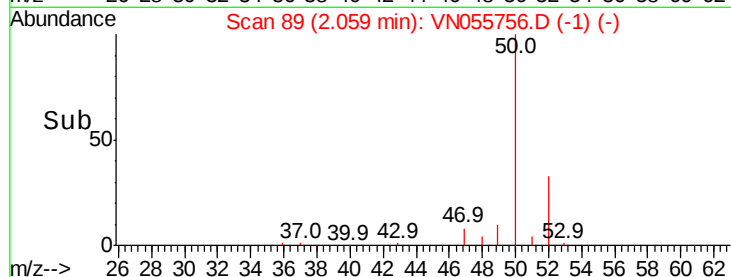
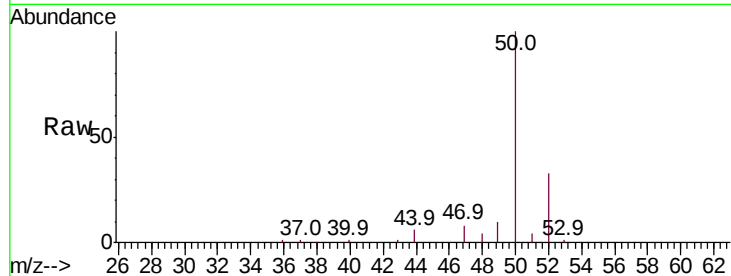
#3  
Chloromethane  
Concen: 17.889 ug/l  
RT: 2.06 min Scan# 89  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 50      | 100   |       |       |
| 52      | 33.2  | 26.6  | 40.0  |

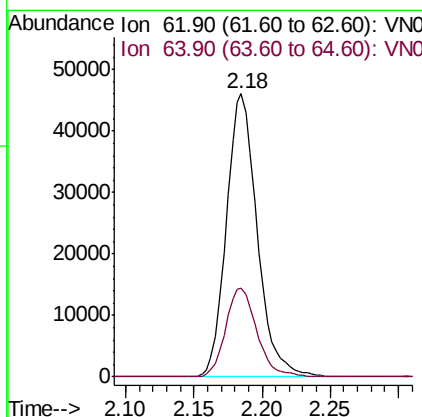
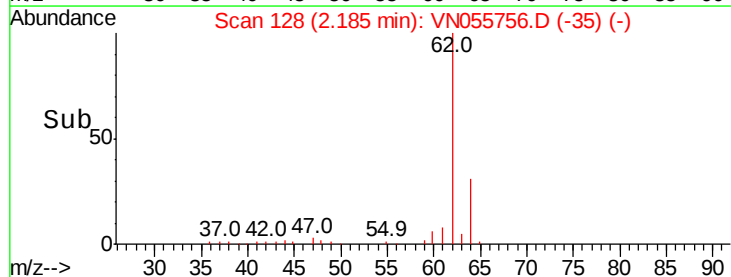
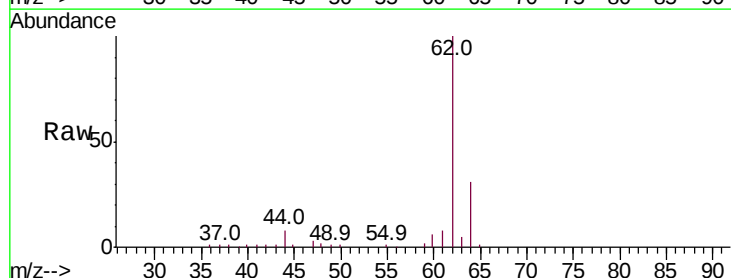
Manual Integrations  
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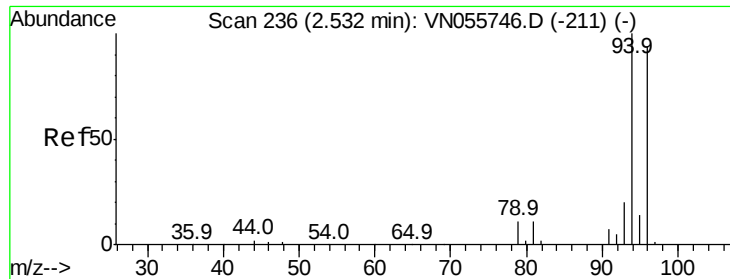
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5/24/2019 9:22:33 AM



#4  
Vinyl Chloride  
Concen: 18.581 ug/l  
RT: 2.18 min Scan# 128  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 62      | 100   |       |       |
| 64      | 31.4  | 25.6  | 38.4  |





#5

Bromomethane

Concen: 21.298 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion: 94 Resp: 51848

Ion Ratio Lower Upper

94 100

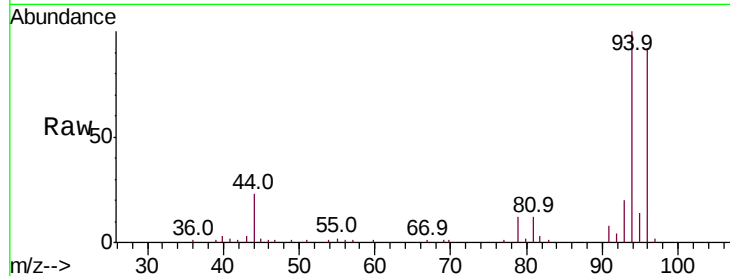
96 91.7 75.5 113.3

Manual Integrations

APPROVED

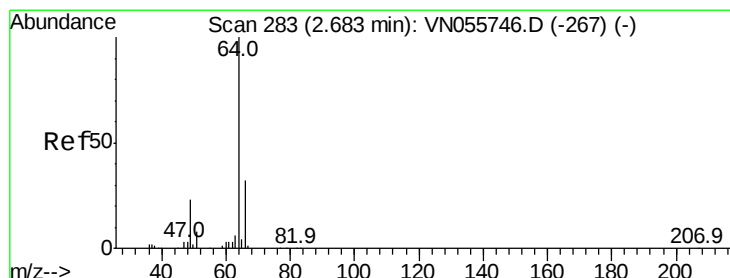
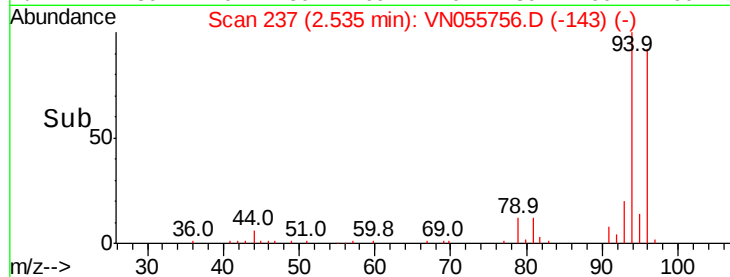
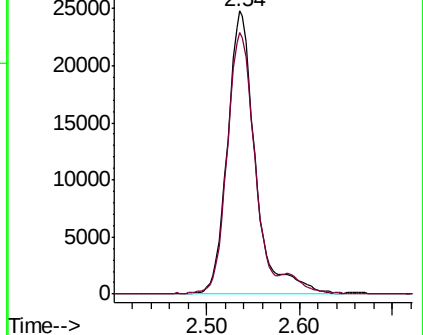
MMDadoda

5/24/2019 9:22:33 AM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.403 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN055756.D

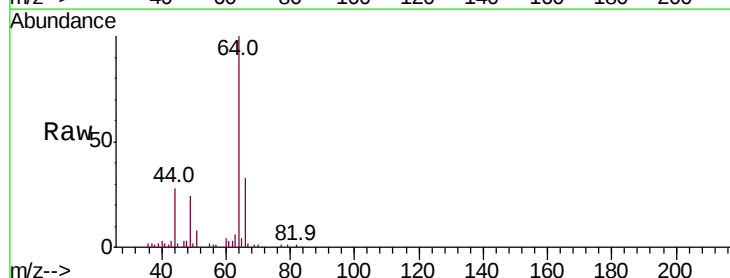
Acq: 23 May 2019 16:21

Tgt Ion: 64 Resp: 45458

Ion Ratio Lower Upper

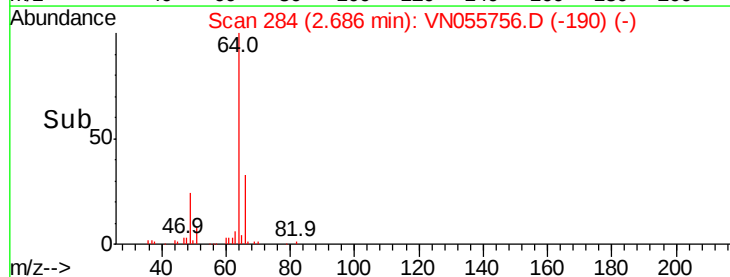
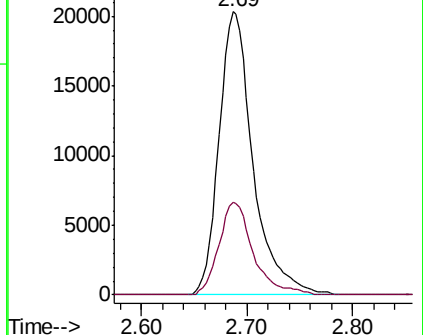
64 100

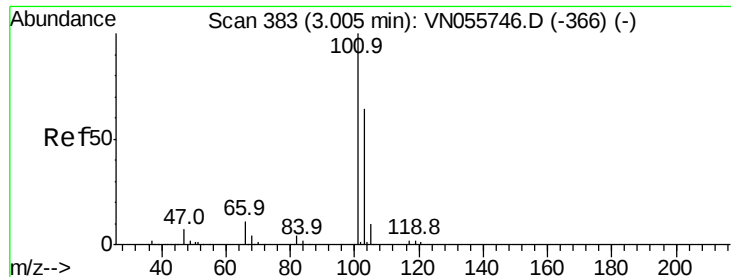
66 32.7 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

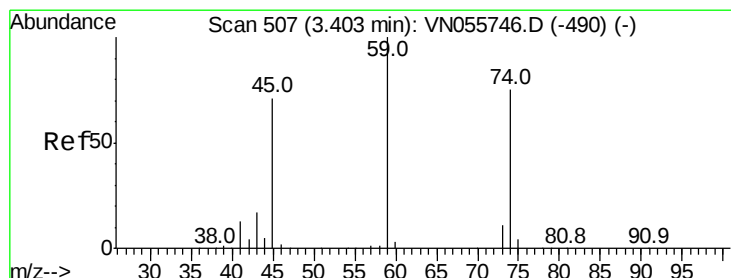
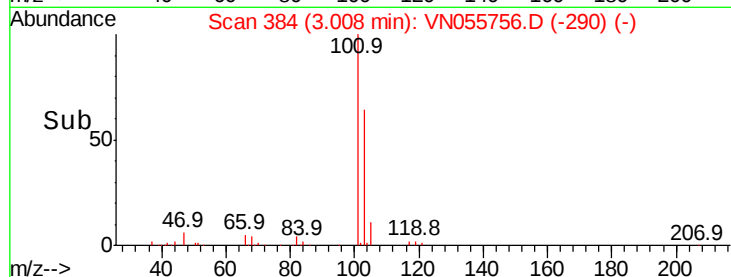
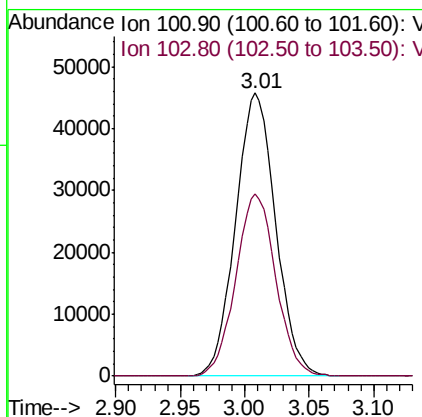
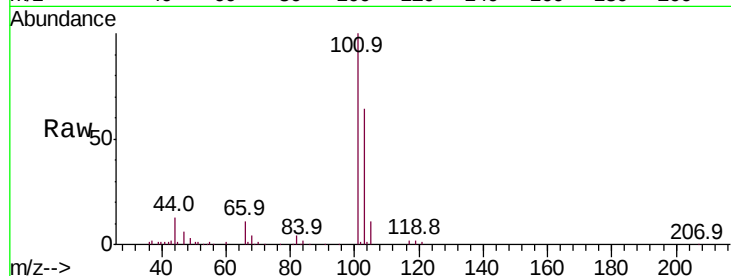
Trichlorofluoromethane  
 Concen: 19.388 ug/l  
 RT: 3.01 min Scan# 384  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 64.2  | 51.2  | 76.8  |

Manual Integrations  
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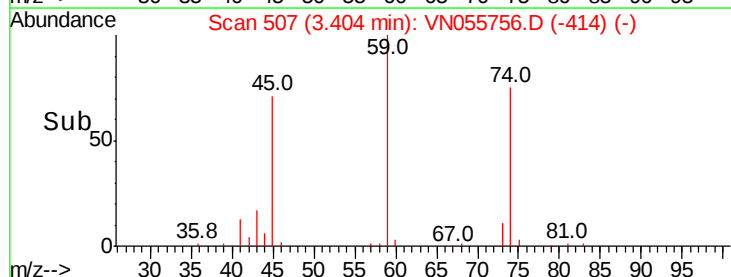
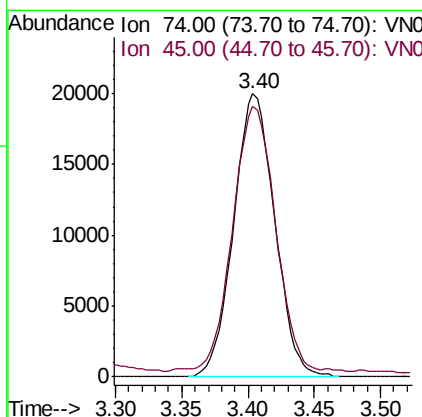
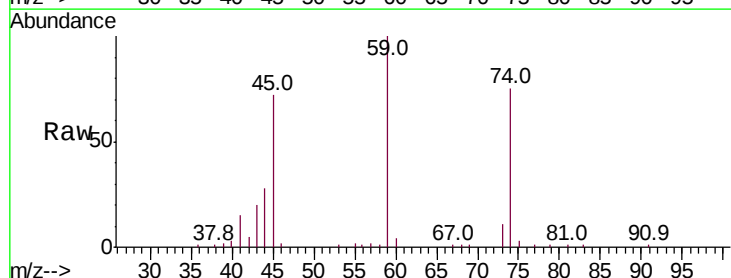
MMDadoda  
 5/24/2019 9:22:33 AM

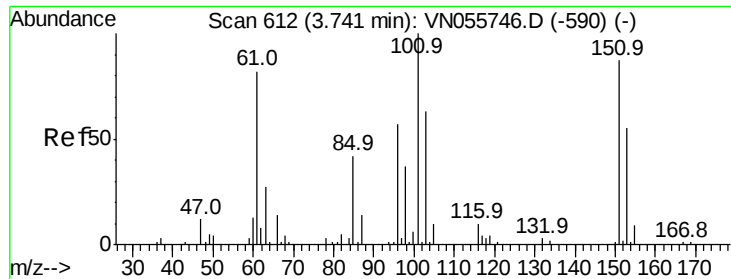


#8

Diethyl Ether  
 Concen: 18.830 ug/l  
 RT: 3.40 min Scan# 507  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 97.3  | 48.6  | 145.9 |





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.082 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

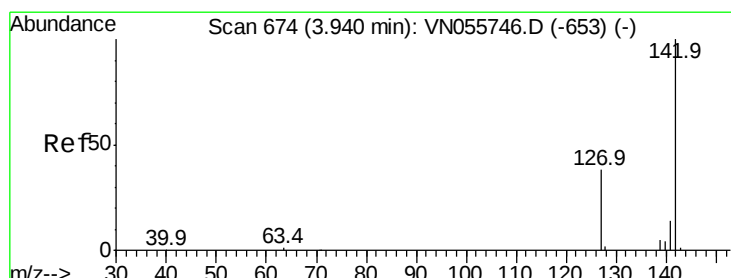
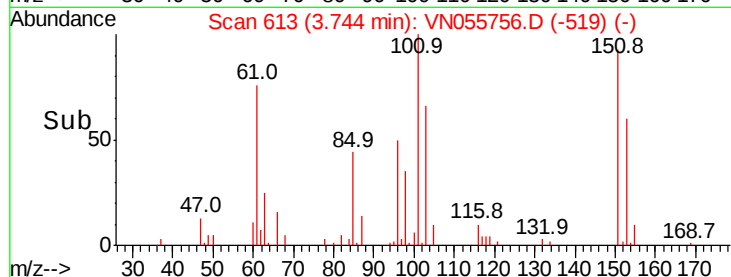
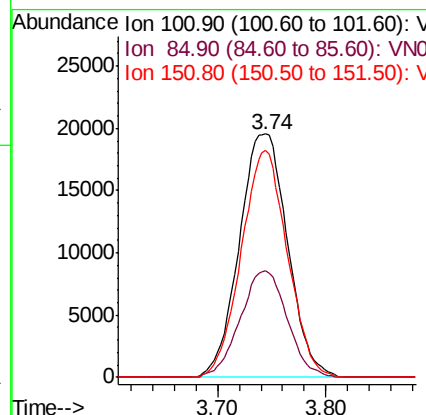
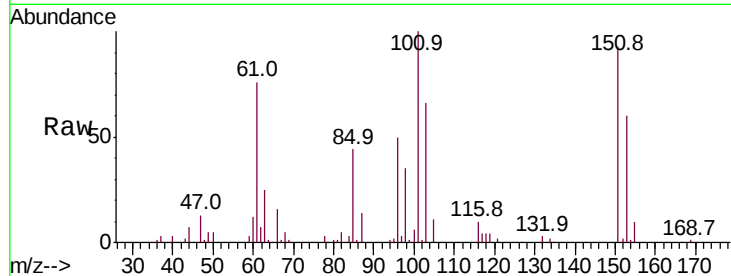
ClientSampled :

VN0523WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 101   | Resp: | 60770 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 42.6  | 33.4  | 50.2  |
| 151       | 89.0  | 69.4  | 104.2 |

Manual Integrations  
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MMDadoda  
5/24/2019 9:22:33 AM



#10

Methyl Iodide

Concen: 19.342 ug/l

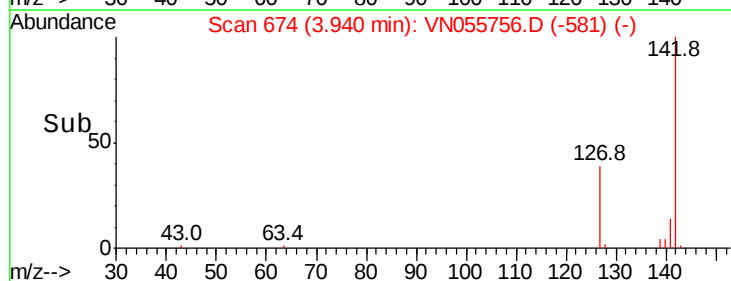
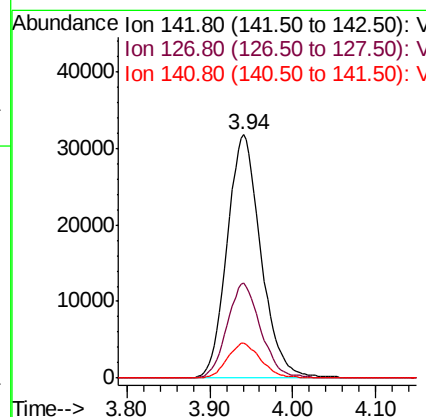
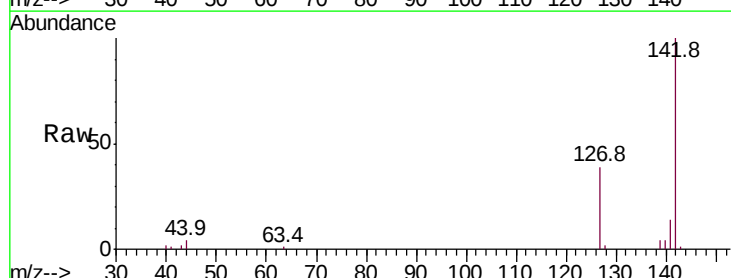
RT: 3.94 min Scan# 674

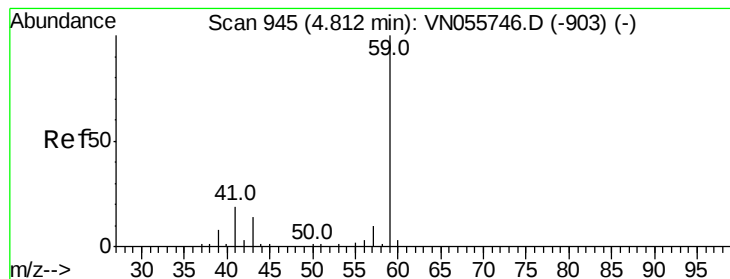
Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 90054 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 38.7  | 31.0  | 46.4  |
| 141       | 14.0  | 11.4  | 17.0  |





#11

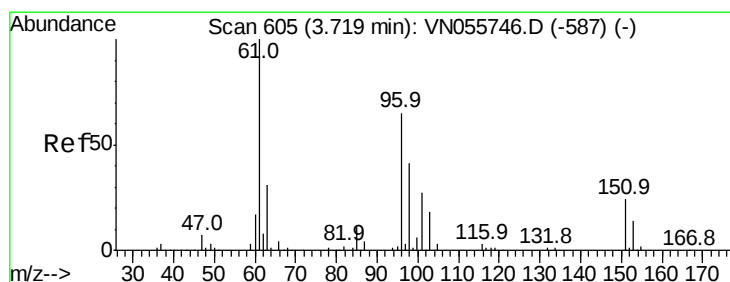
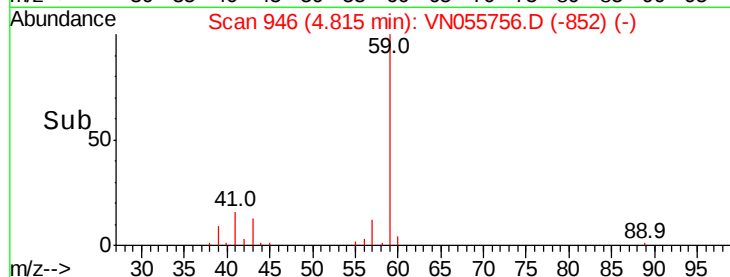
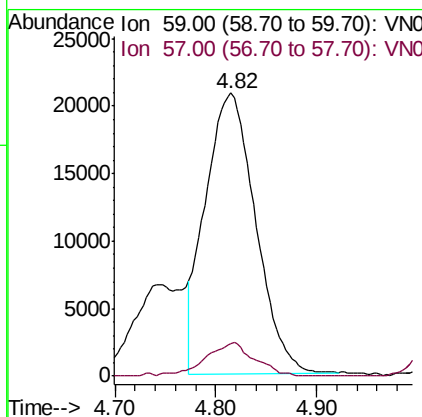
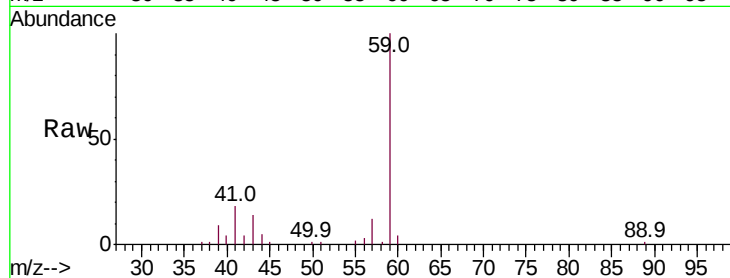
Tert butyl alcohol  
 Concen: 94.423 ug/l  
 RT: 4.82 min Scan# 946  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

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

Manual Integrations  
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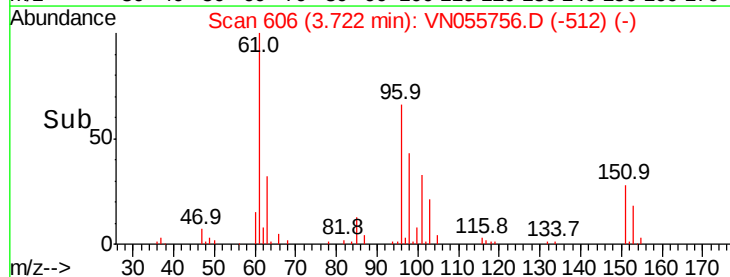
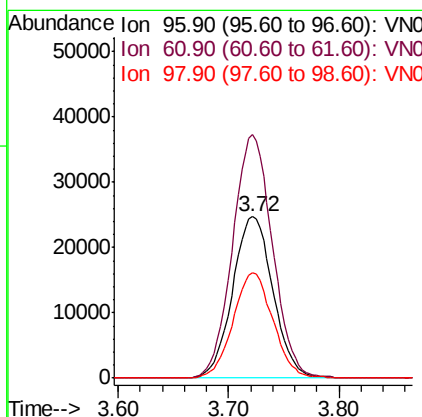
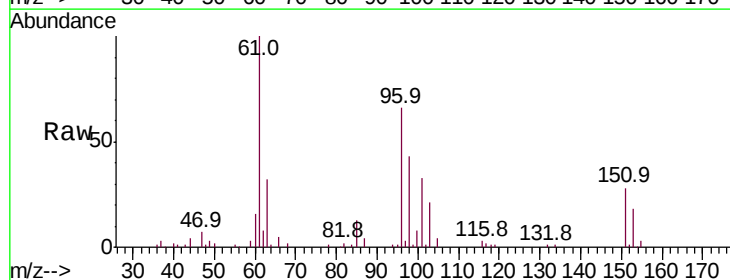
MMDadoda  
 5/24/2019 9:22:33 AM

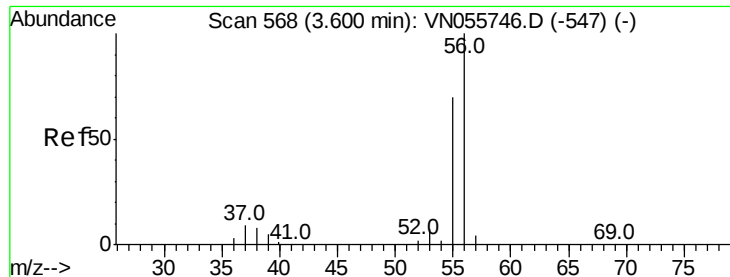


#12

1,1-Dichloroethene  
 Concen: 19.059 ug/l  
 RT: 3.72 min Scan# 606  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 150.7 | 123.2 | 184.8 |
| 98      | 65.3  | 50.4  | 75.6  |





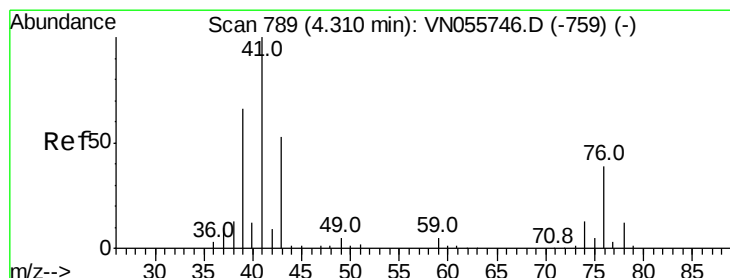
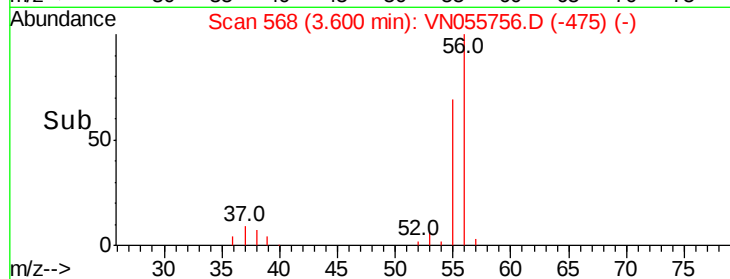
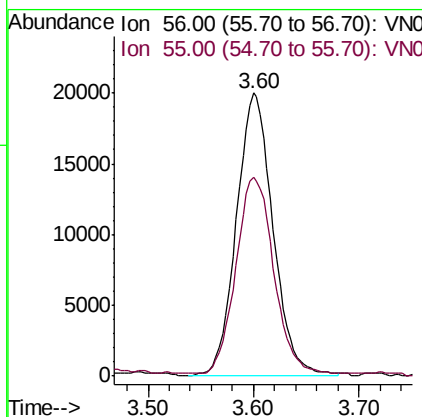
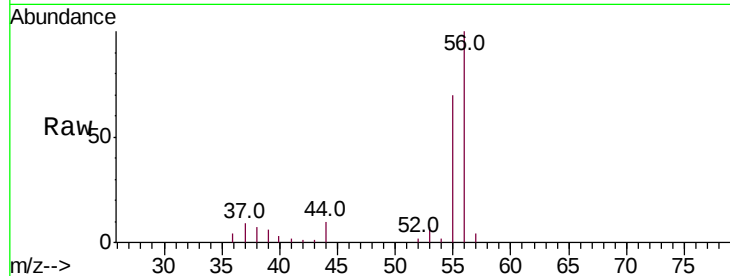
#13  
 Acrolein  
 Concen: 88.354 ug/l  
 RT: 3.60 min Scan# 568  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

| Tot Ion   | 56    | Resp  | 48299 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 55        | 70.7  | 55.4  | 83.2  |

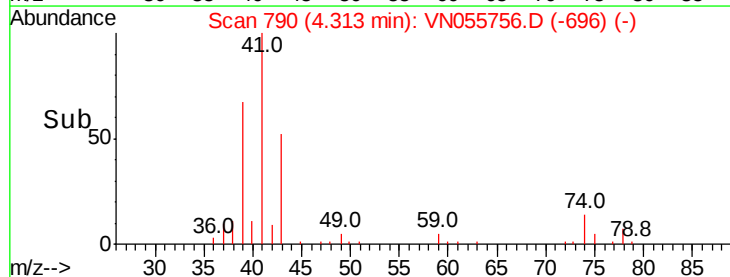
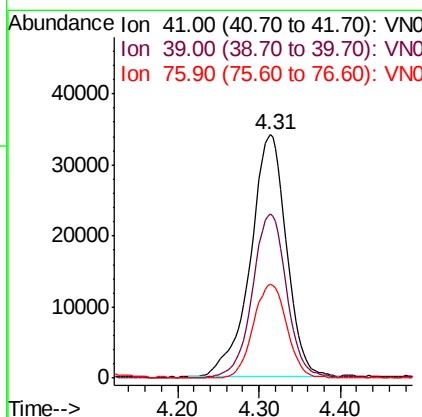
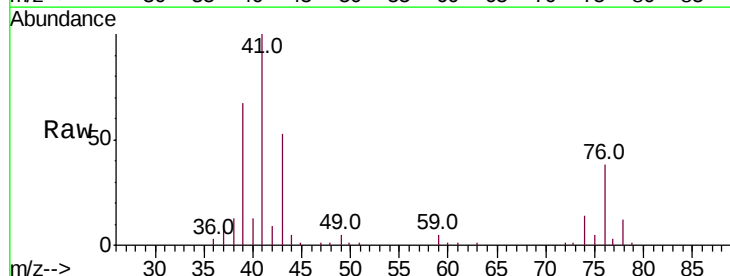
Manual Integrations  
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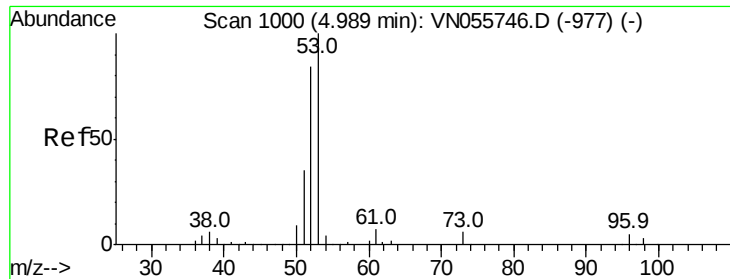
MMDadoda  
 5/24/2019 9:22:33 AM



#14  
 Allyl chloride  
 Concen: 18.540 ug/l  
 RT: 4.31 min Scan# 790  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

| Tgt Ion   | 41    | Resp  | 104581 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 64.4  | 50.0  | 75.0   |
| 76        | 36.0  | 28.2  | 42.2   |





#15

Acrylonitrile

Concen: 96.010 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

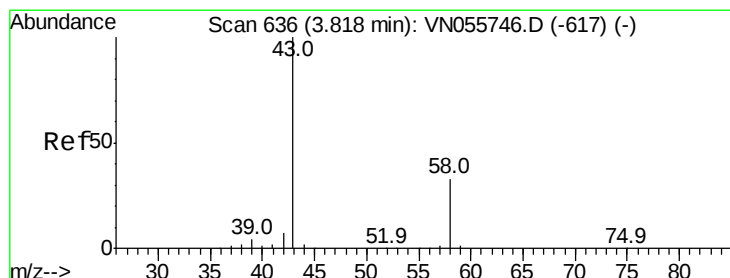
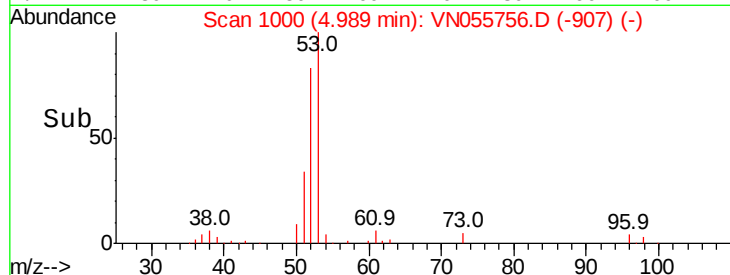
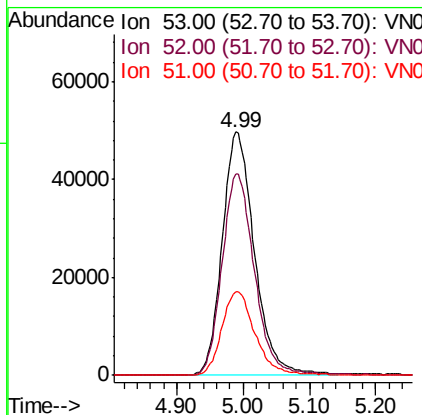
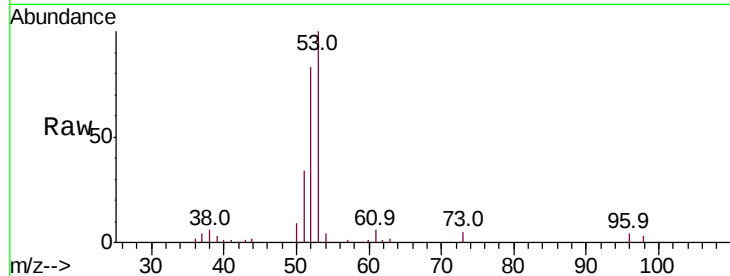
ClientSampleId :

VN0523WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 53    | Resp: | 168311 |
| Ion Ratio | Lower | Upper |        |
| 53        | 100   |       |        |
| 52        | 82.2  | 65.8  | 98.8   |
| 51        | 35.2  | 28.2  | 42.4   |

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MMDadoda  
5/24/2019 9:22:33 AM



#16

Acetone

Concen: 92.248 ug/l

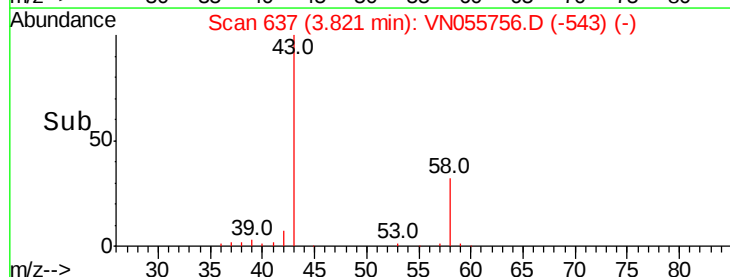
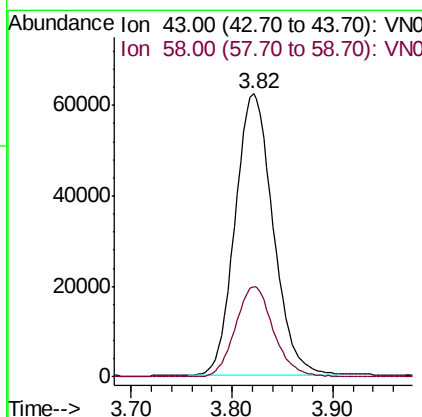
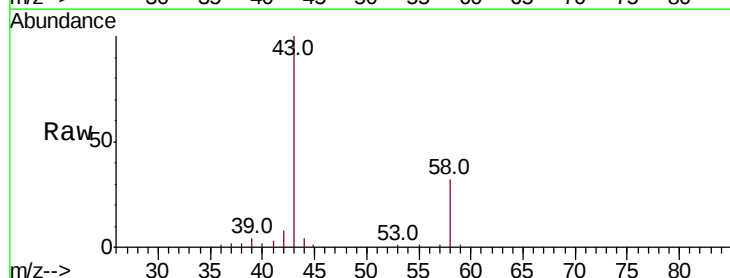
RT: 3.82 min Scan# 637

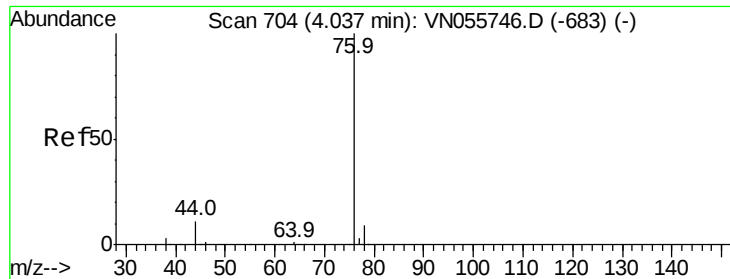
Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 43    | Resp: | 162025 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 58        | 32.3  | 26.6  | 39.8   |





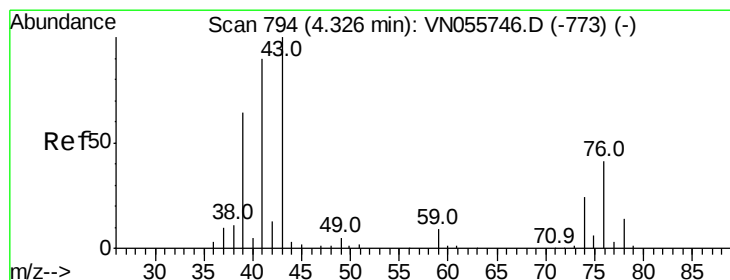
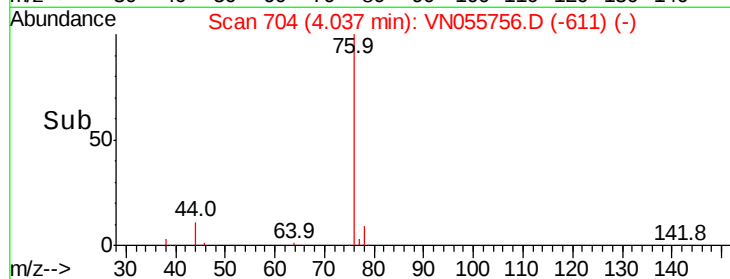
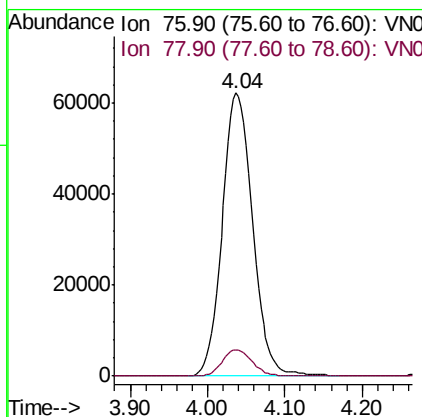
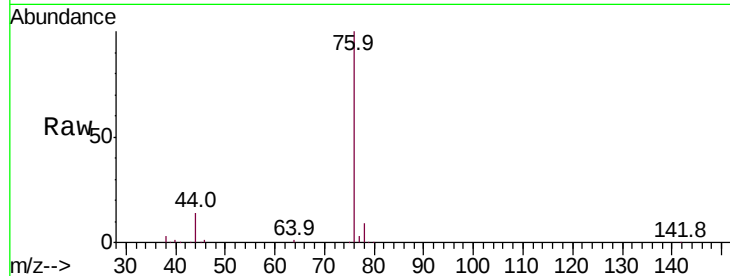
#17  
Carbon Disulfide  
Concen: 18.121 ug/l  
RT: 4.04 min Scan# 704  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 76      | 100   |       |       |
| 78      | 9.4   | 7.4   | 11.2  |

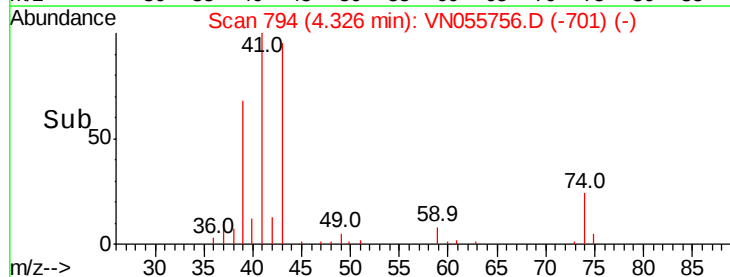
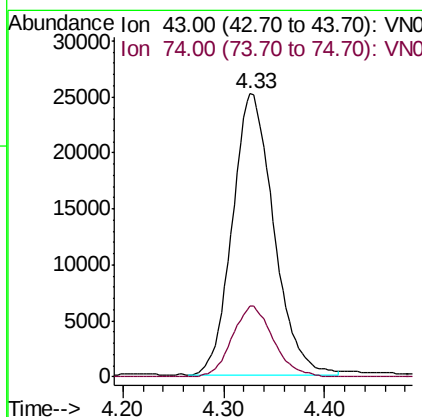
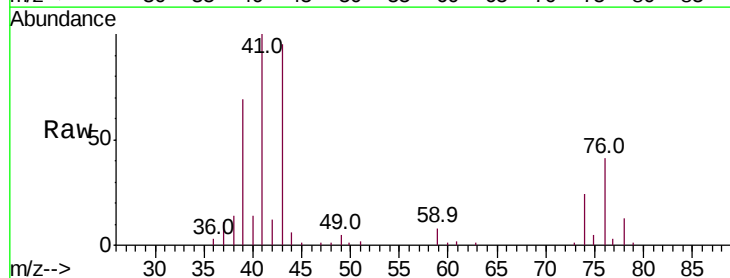
Manual Integrations  
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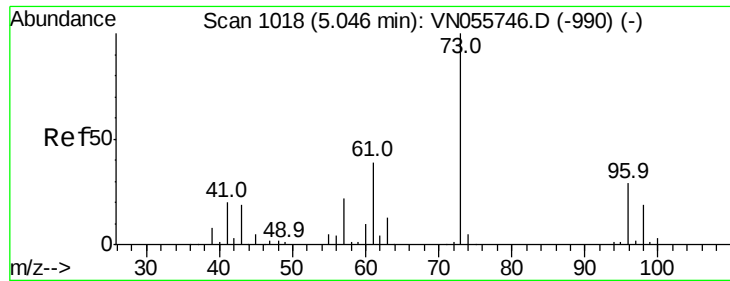
MMDadoda  
5/24/2019 9:22:33 AM



#18  
Methyl Acetate  
Concen: 19.283 ug/l  
RT: 4.33 min Scan# 794  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 74      | 24.9  | 19.3  | 28.9  |





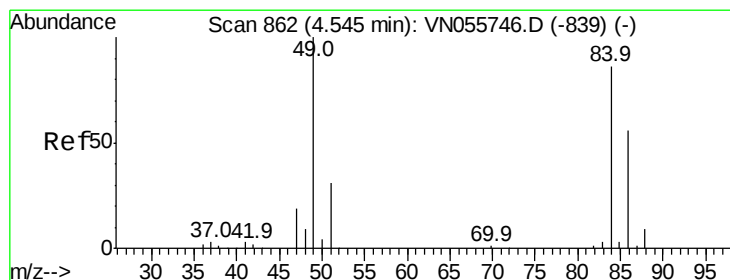
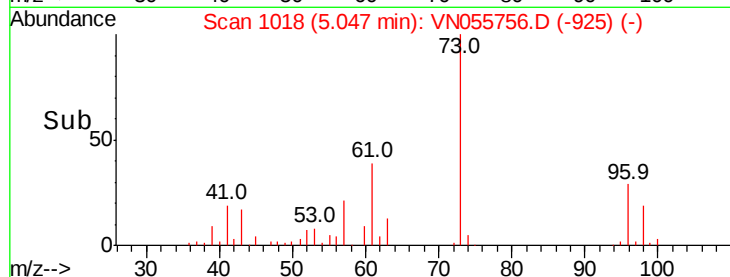
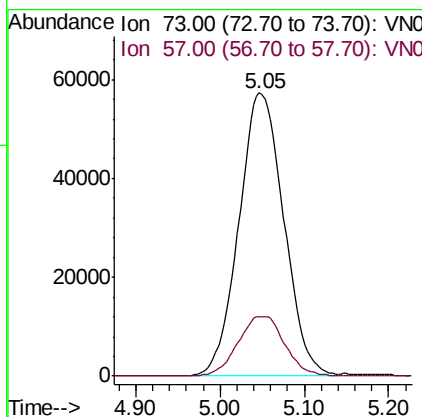
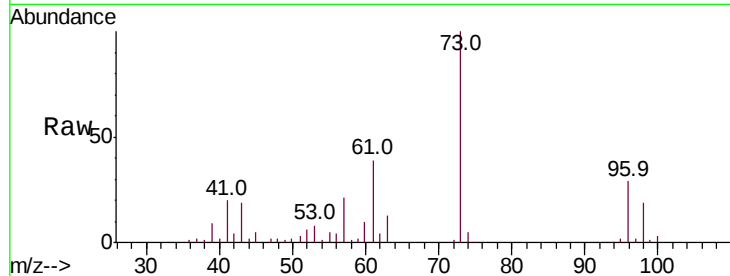
#19  
Methyl tert-butyl Ether  
Concen: 19.326 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

Tot Ion: 73 Resp: 212089  
Ion Ratio Lower Upper  
73 100  
57 21.1 17.8 26.8

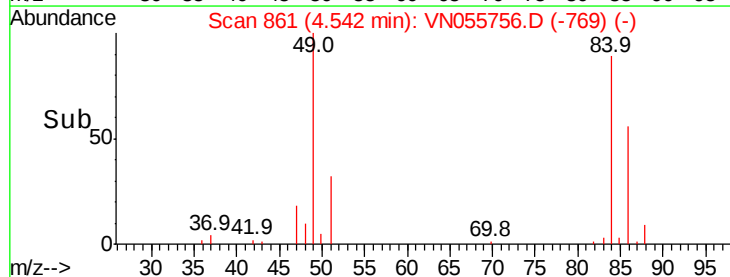
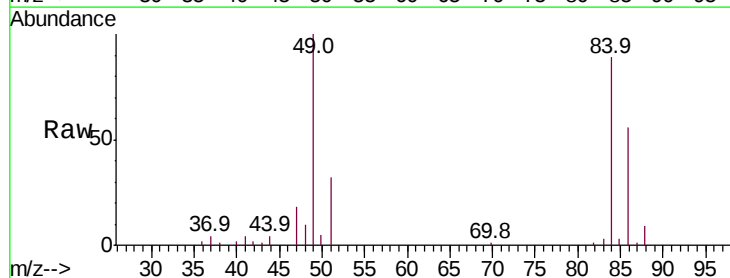
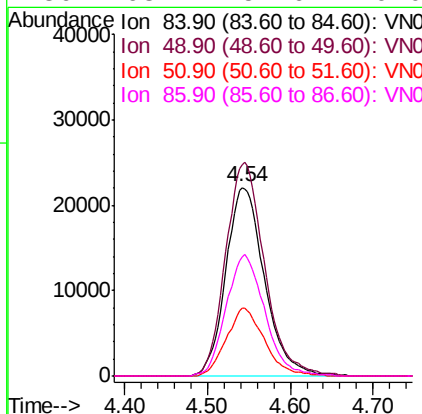
Manual Integrations  
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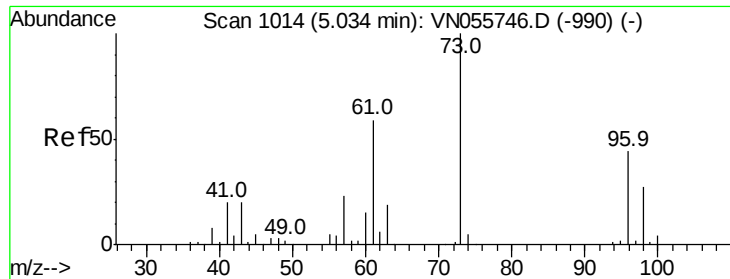
MMDadoda  
5/24/2019 9:22:33 AM



#20  
Methylene Chloride  
Concen: 18.855 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Tgt Ion: 84 Resp: 71719  
Ion Ratio Lower Upper  
84 100  
49 112.1 93.5 140.3  
51 35.8 28.6 43.0  
86 63.2 52.6 79.0





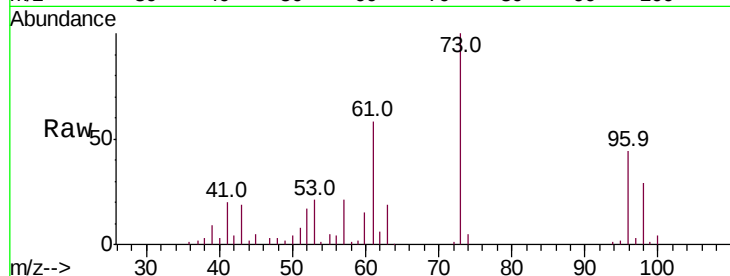
#21  
trans-1,2-Dichloroethene  
Concen: 18.675 ug/l  
RT: 5.03 min Scan# 1014  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 131.2 | 107.8 | 161.8 |
| 98      | 65.2  | 49.8  | 74.8  |

Manual Integrations  
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MMDadoda  
5/24/2019 9:22:33 AM

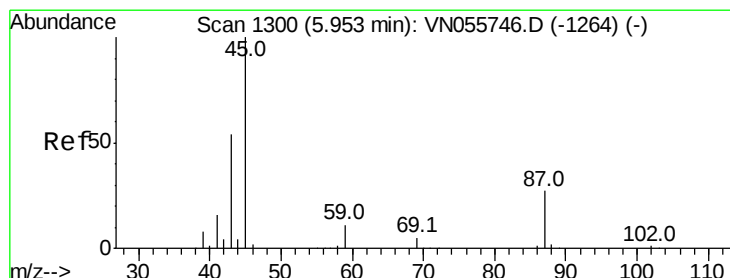
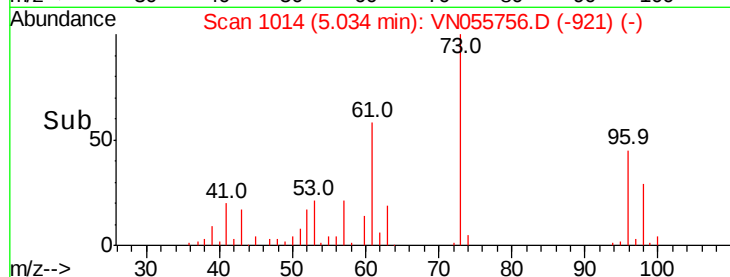
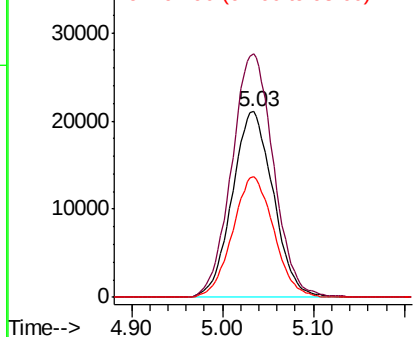


Abundance

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: 18.904 ug/l  
RT: 5.96 min Scan# 1301  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 45      | 100   |       |       |
| 43      | 57.3  | 45.0  | 67.6  |
| 87      | 29.5  | 22.2  | 33.4  |
| 59      | 11.8  | 9.1   | 13.7  |

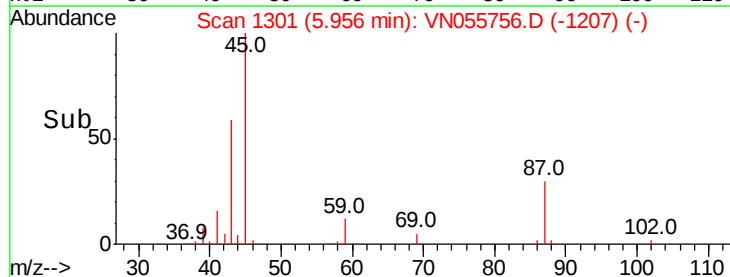
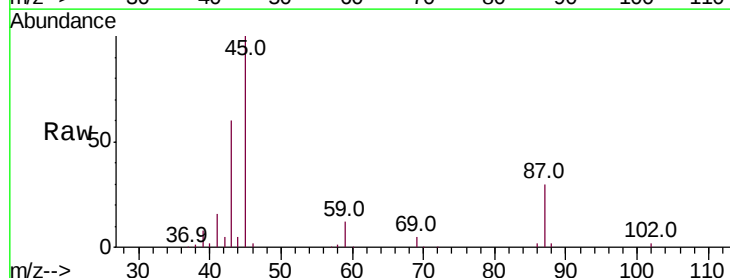
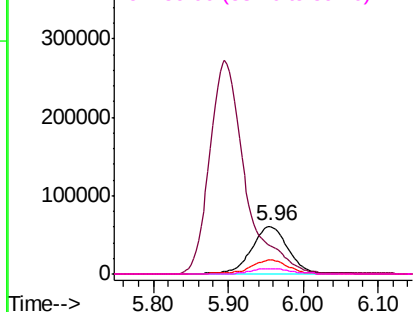
Abundance

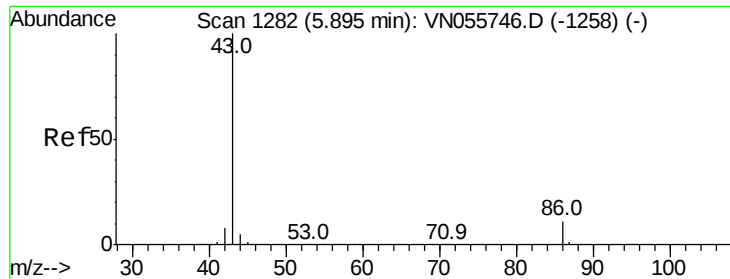
Ion 45.00 (44.70 to 45.70): VN0

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: 95.865 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion: 43 Resp: 901784

Ion Ratio Lower Upper

43 100

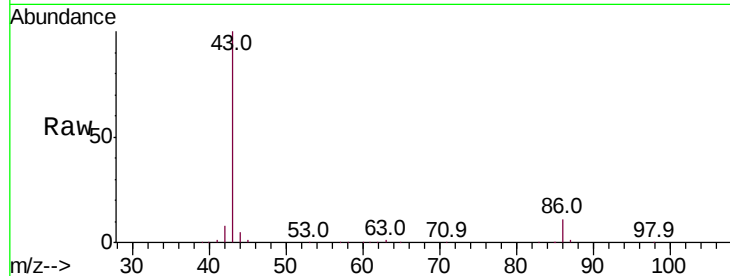
86 11.0 8.6 13.0

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

300000

250000

200000

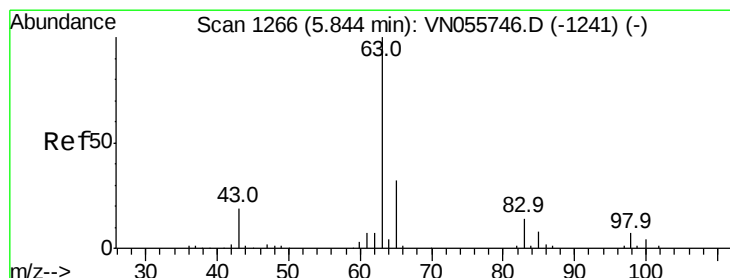
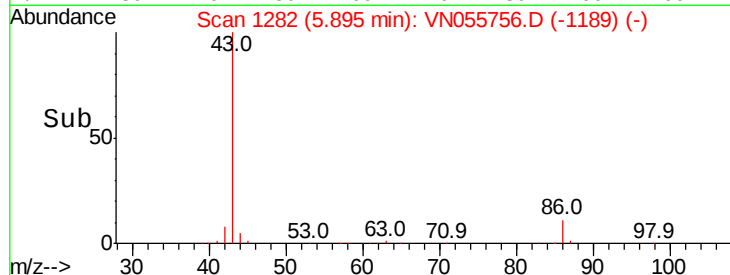
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 18.990 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

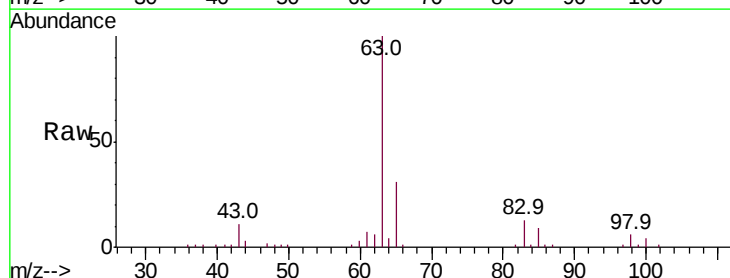
Tgt Ion: 63 Resp: 121304

Ion Ratio Lower Upper

63 100

98 6.3 3.4 10.1

100 4.2 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.84

50000

40000

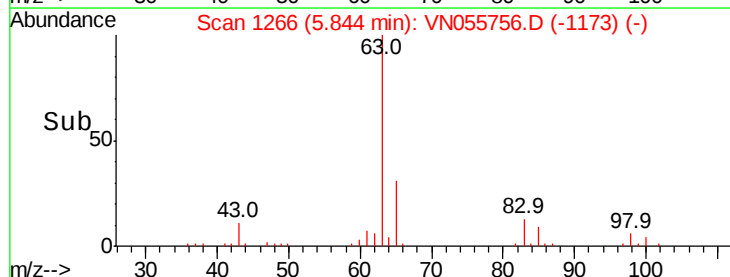
30000

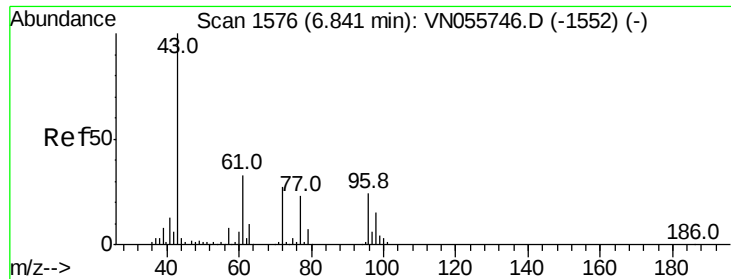
20000

10000

0

Time-->





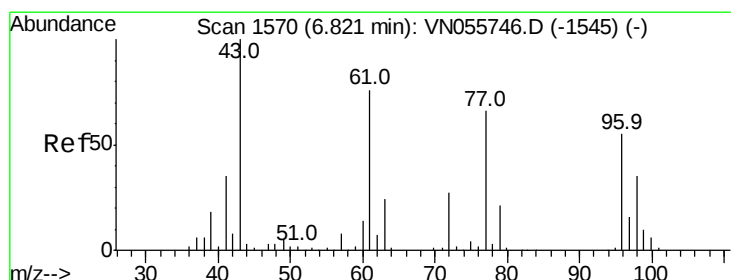
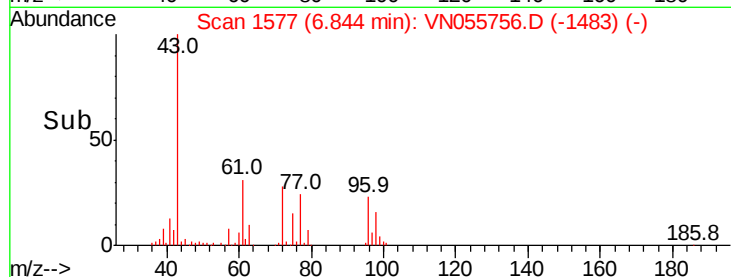
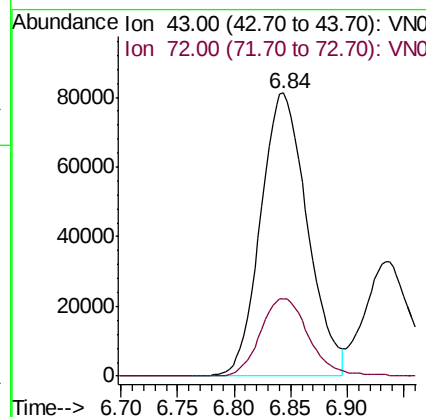
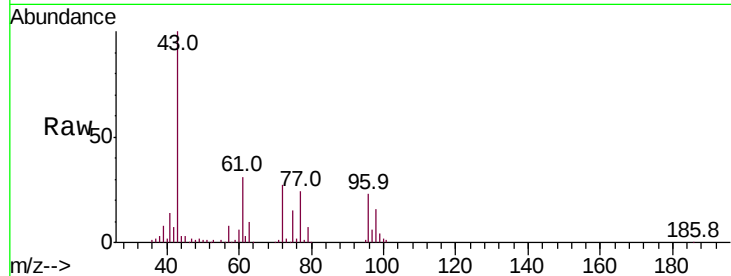
#25  
2-Butanone  
Concen: 94.461 ug/l  
RT: 6.84 min Scan# 1577  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

Tot Ion: 43 Resp: 231709  
Ion Ratio Lower Upper  
43 100  
72 27.5 21.9 32.9

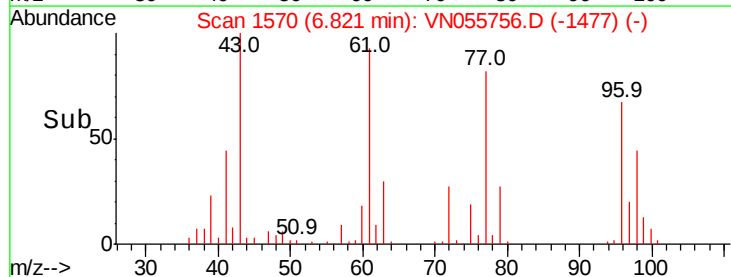
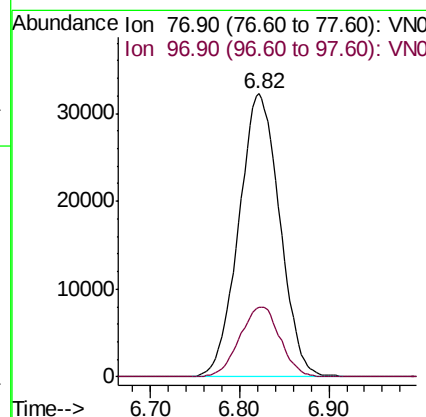
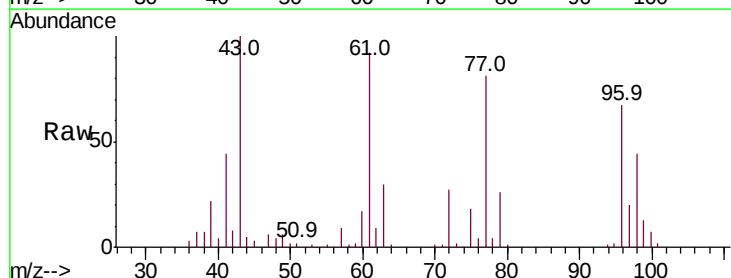
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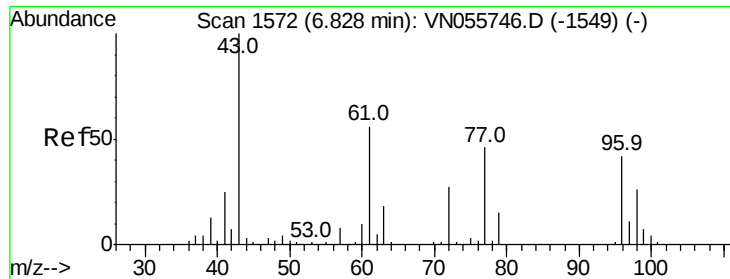
MMDadoda  
5/24/2019 9:22:33 AM



#26  
2,2-Dichloropropane  
Concen: 18.578 ug/l  
RT: 6.82 min Scan# 1570  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Tgt Ion: 77 Resp: 102707  
Ion Ratio Lower Upper  
77 100  
97 24.4 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 19.333 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion: 96 Resp: 79734

Ion Ratio Lower Upper

96 100

61 138.7 0.0 275.8

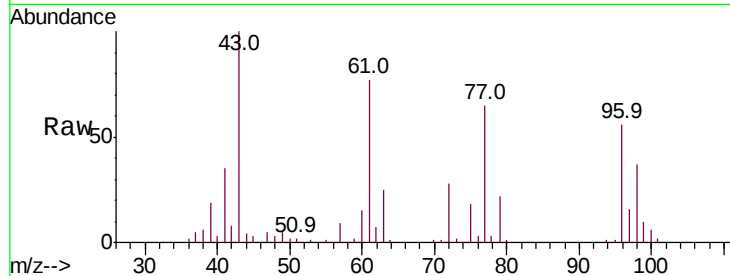
98 64.6 0.0 128.4

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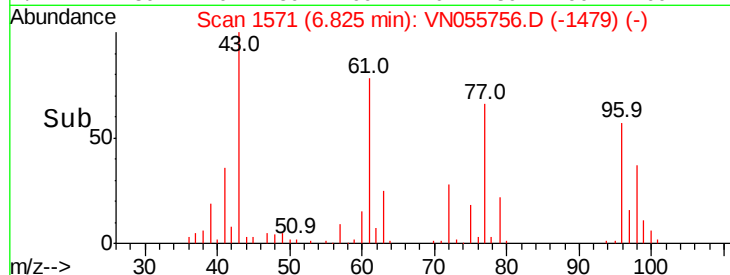
Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-1549) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-1549) (-)

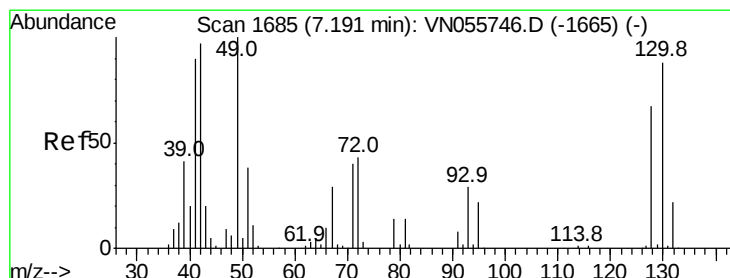
Ion 97.90 (97.60 to 98.60): VN055746.D (-1549) (-)

6.82

Time-->



Time-->



#28

Bromochloromethane

Concen: 19.991 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

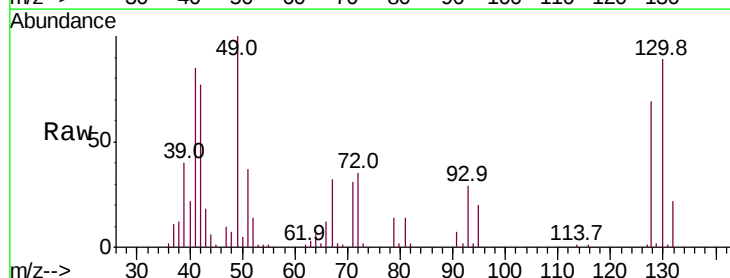
Tgt Ion: 49 Resp: 60800

Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 90.6 71.2 106.8



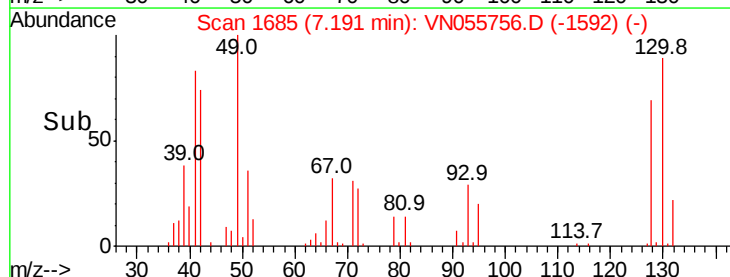
Abundance Ion 48.90 (48.60 to 49.60): VN055746.D (-1665) (-)

Ion 128.80 (128.50 to 129.50): VN055746.D (-1665) (-)

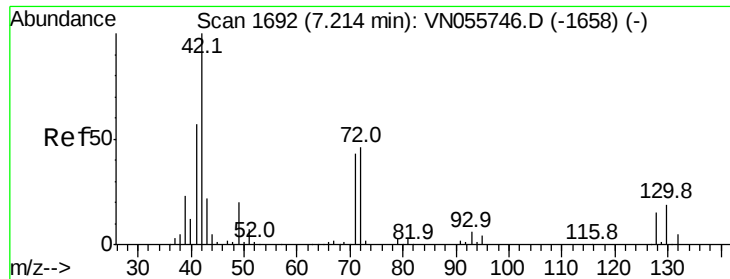
Ion 129.80 (129.50 to 130.50): VN055746.D (-1665) (-)

7.19

Time-->



Time-->



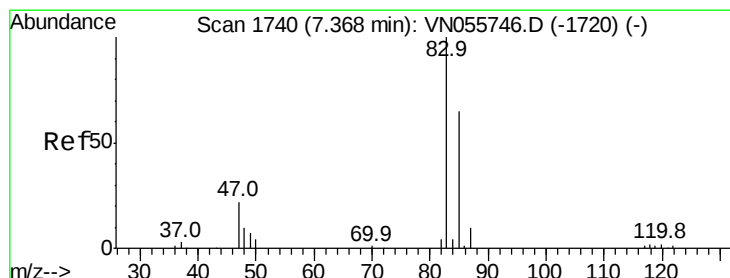
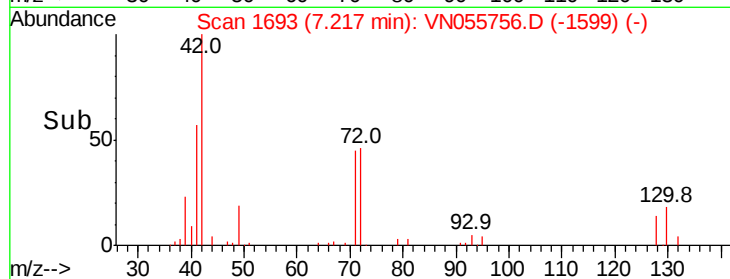
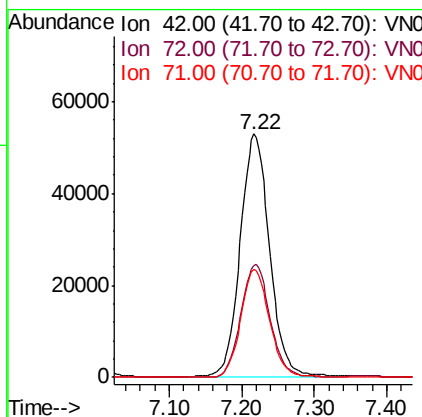
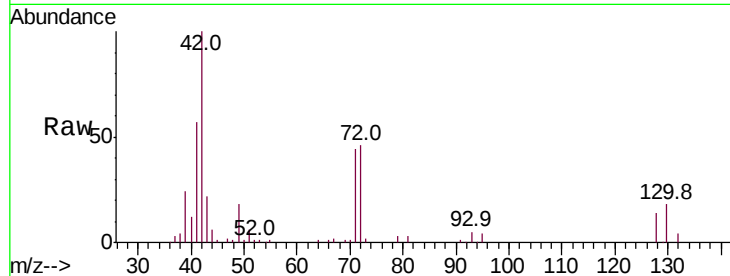
#29  
Tetrahydrofuran  
Concen: 96.612 ug/l  
RT: 7.22 min Scan# 1693  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.9  | 35.9  | 53.9  |
| 71      | 43.4  | 34.0  | 51.0  |

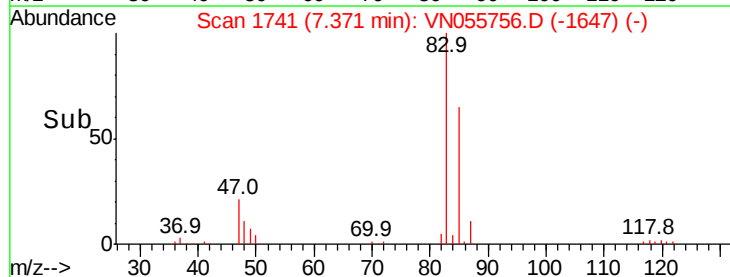
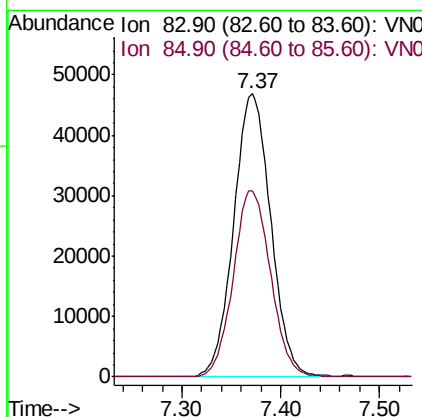
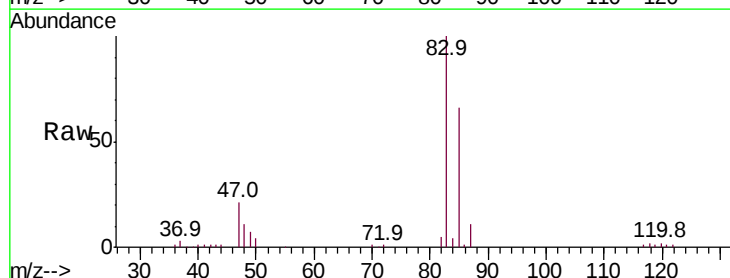
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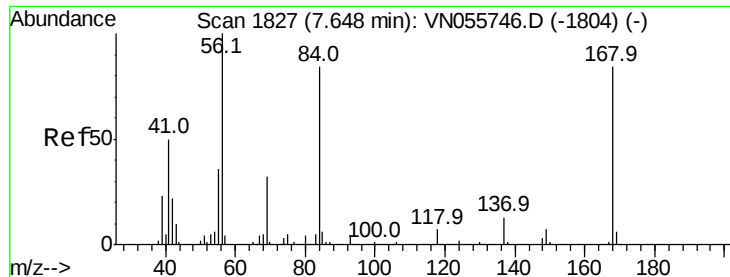
MMDadoda  
5/24/2019 9:22:33 AM



#30  
Chloroform  
Concen: 19.200 ug/l  
RT: 7.37 min Scan# 1741  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 65.7  | 51.8  | 77.8  |





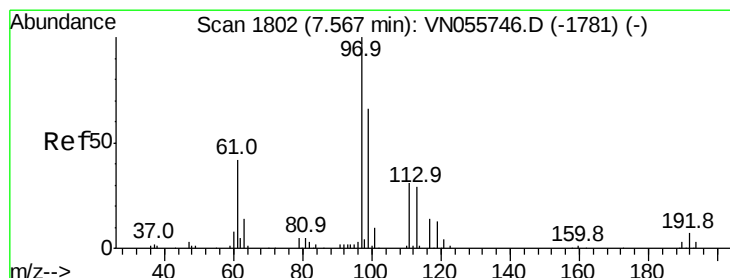
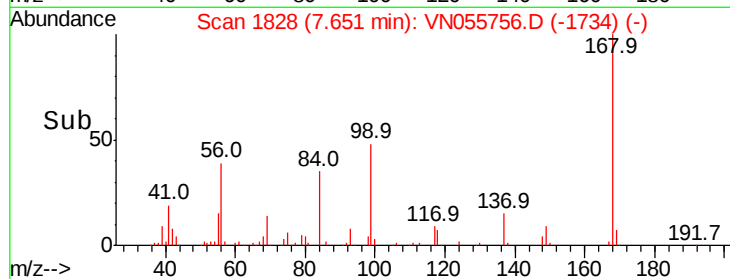
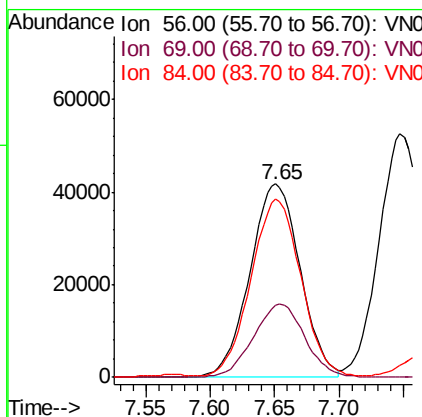
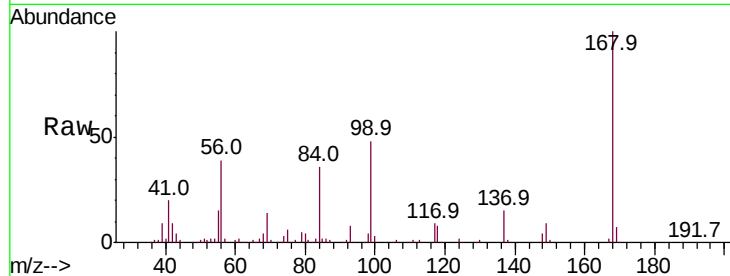
#31  
Cyclohexane  
Concen: 18.885 ug/l  
RT: 7.65 min Scan# 1828  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 37.2  | 25.6  | 38.4  |
| 84      | 91.6  | 67.4  | 101.0 |

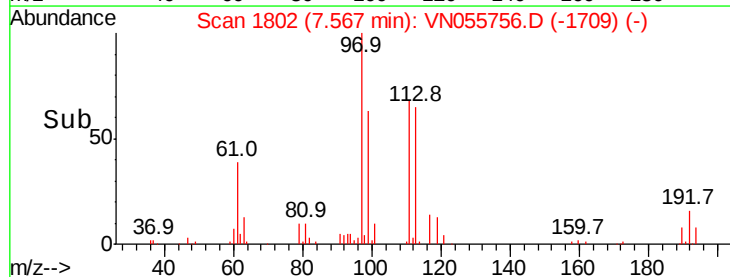
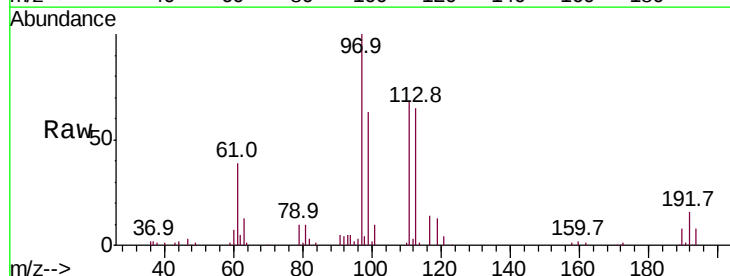
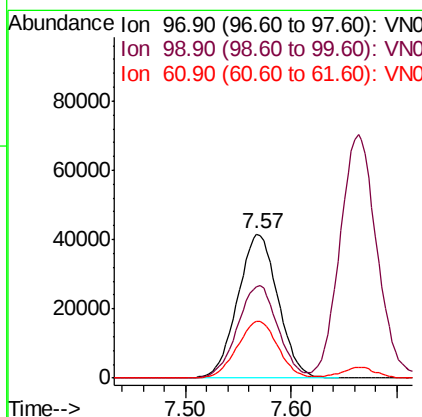
Manual Integrations  
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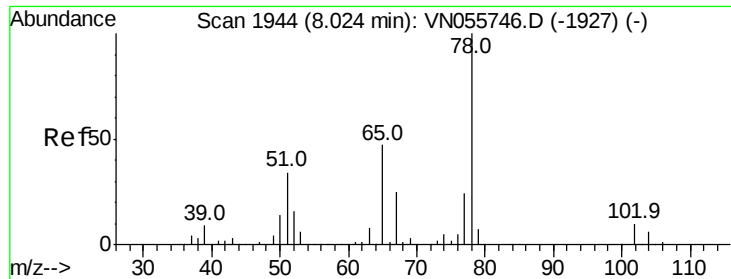
MMDadoda  
5/24/2019 9:22:33 AM



#32  
1,1,1-Trichloroethane  
Concen: 19.459 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.2  | 52.0  | 78.0  |
| 61      | 39.7  | 32.9  | 49.3  |





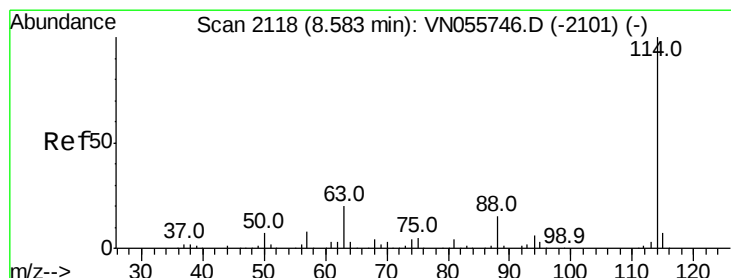
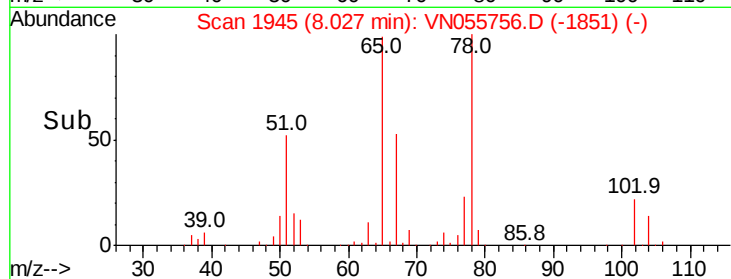
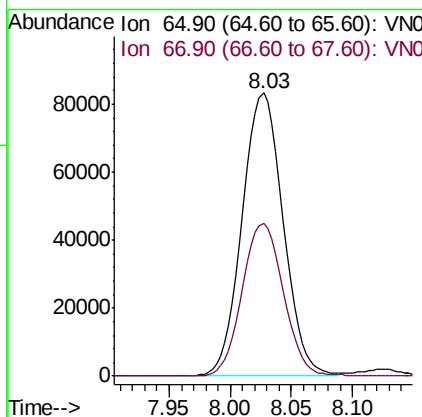
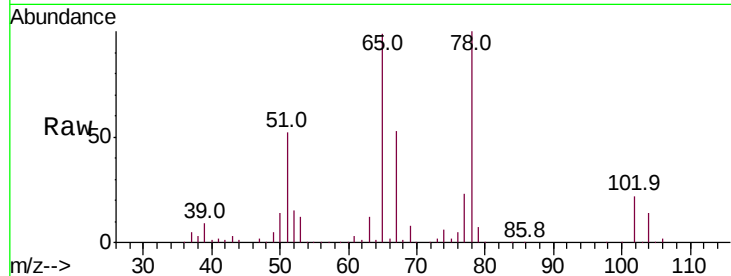
#33  
 1,2-Dichloroethane-d4  
 Concen: 48.669 ug/l  
 RT: 8.03 min Scan# 1945  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 194465 |       |       |
| 67      | 54.1  | 0.0    | 109.2 |       |

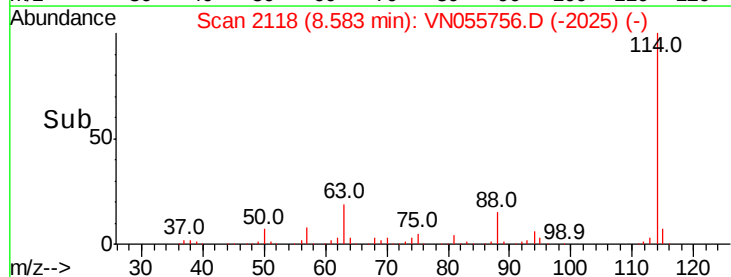
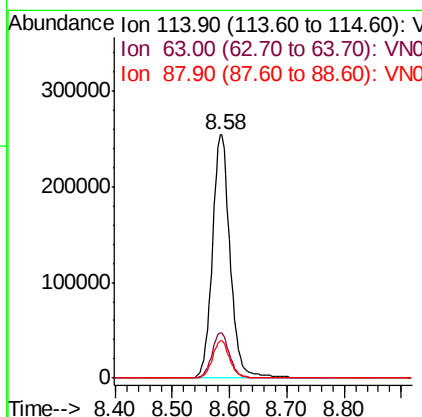
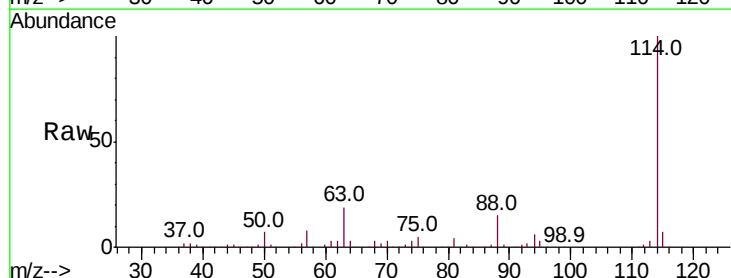
Manual Integrations  
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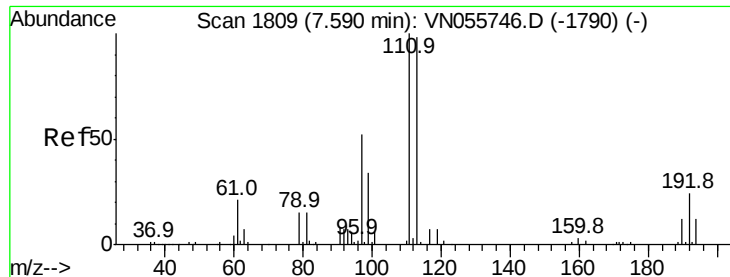
MMDadoda  
 5/24/2019 9:22:33 AM



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 547403 |       |       |
| 63      | 18.8  | 0.0    | 39.2  |       |
| 88      | 15.4  | 0.0    | 31.0  |       |





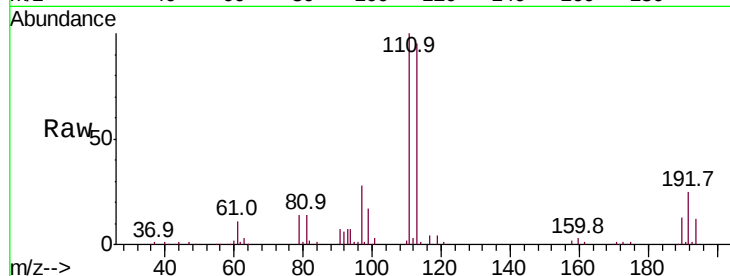
#35  
 Dibromofluoromethane  
 Concen: 49.979 ug/l  
 RT: 7.59 min Scan# 1809  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

| Tot Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 113     | 100   |      |       |       |
| 111     | 104.5 | 81.9 | 122.9 |       |
| 192     | 25.7  | 19.5 | 29.3  |       |

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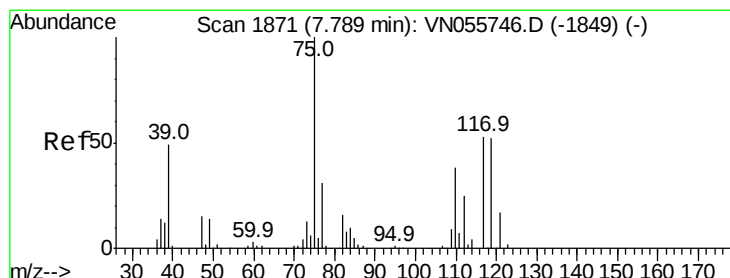
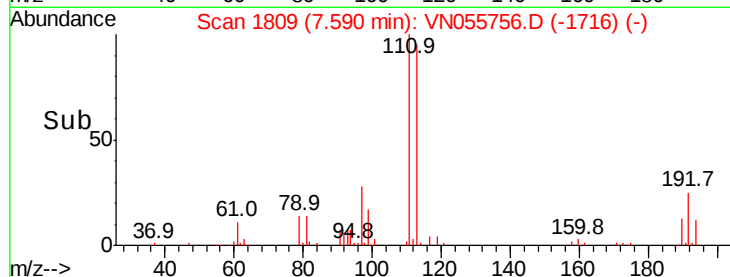
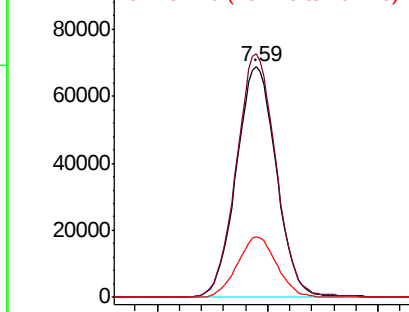


Abundance

Ion 112.80 (112.50 to 113.50): V

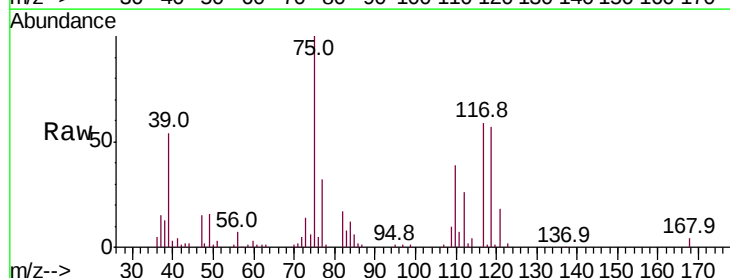
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36  
 1,1-Dichloropropene  
 Concen: 19.179 ug/l  
 RT: 7.79 min Scan# 1871  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Resp | Lower | Upper |
|---------|-------|------|-------|-------|
| 75      | 100   |      |       |       |
| 110     | 38.2  | 19.0 | 57.0  |       |
| 77      | 31.3  | 25.1 | 37.7  |       |

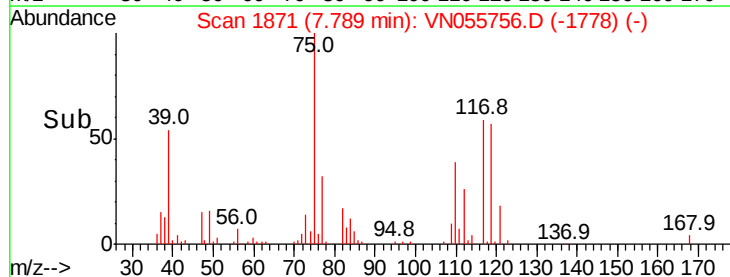
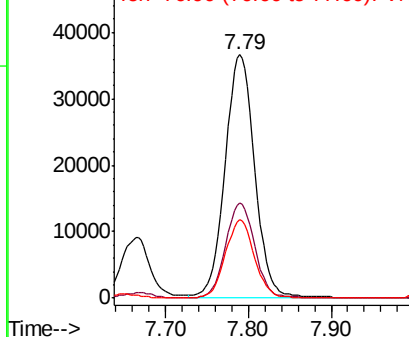


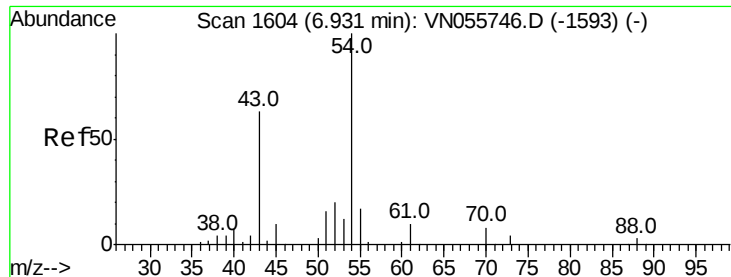
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





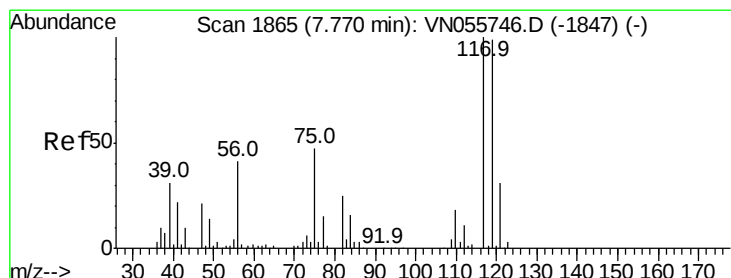
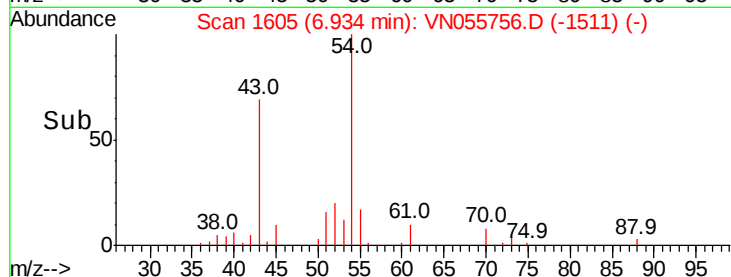
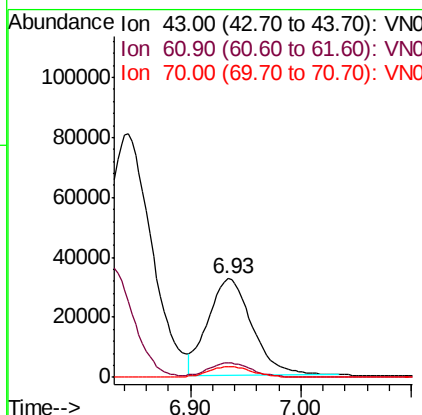
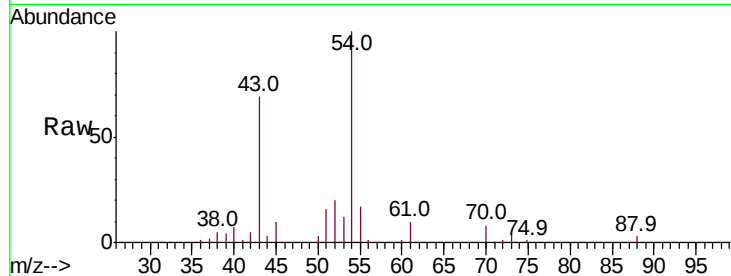
#37  
Ethyl Acetate  
Concen: 19.650 ug/l  
RT: 6.93 min Scan# 1605  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 61      | 15.4  | 12.2  | 18.2  |
| 70      | 10.9  | 8.9   | 13.3  |

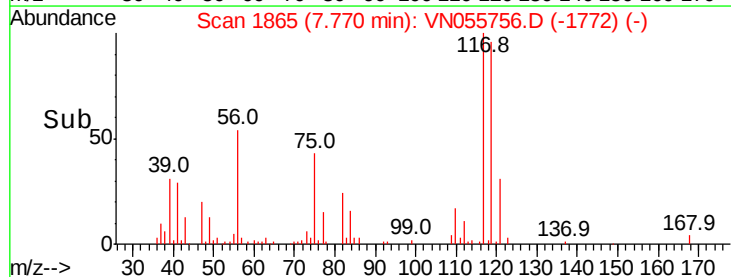
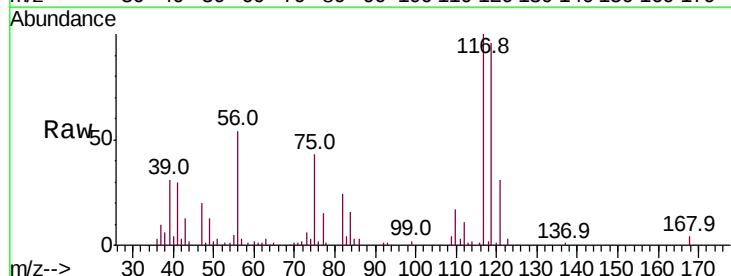
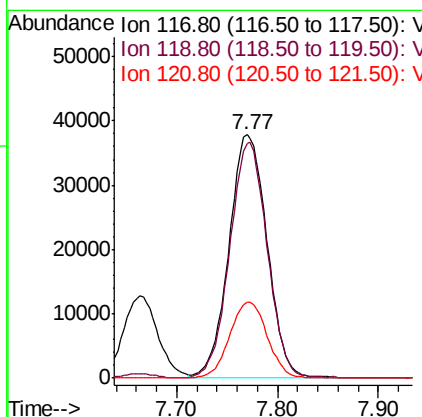
Manual Integrations  
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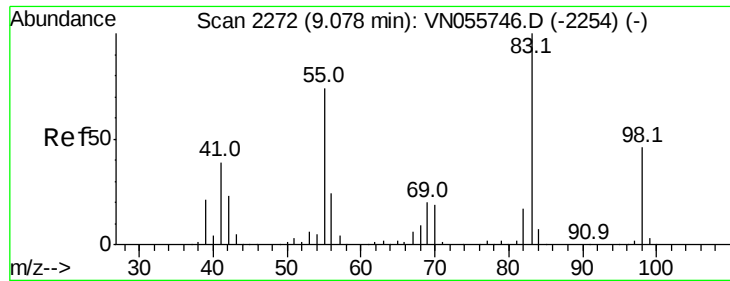
MMDadoda  
5/24/2019 9:22:33 AM



#38  
Carbon Tetrachloride  
Concen: 20.009 ug/l  
RT: 7.77 min Scan# 1865  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 119     | 96.3  | 79.0  | 118.6 |
| 121     | 31.0  | 24.7  | 37.1  |





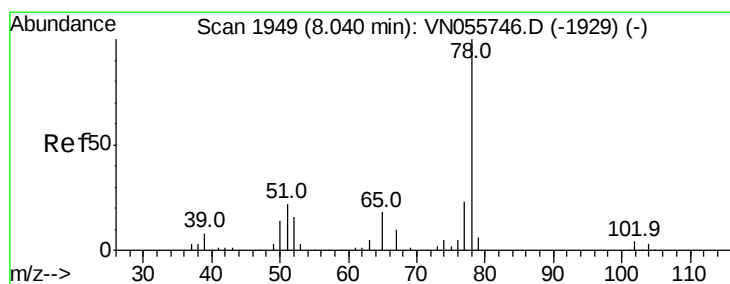
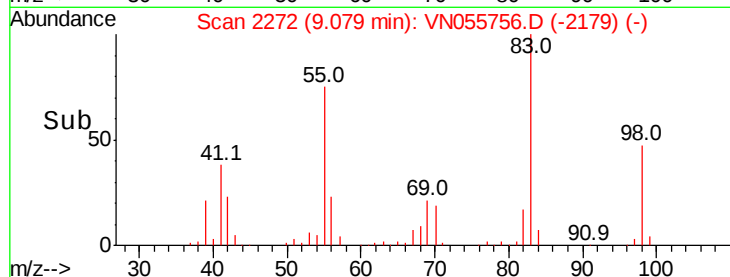
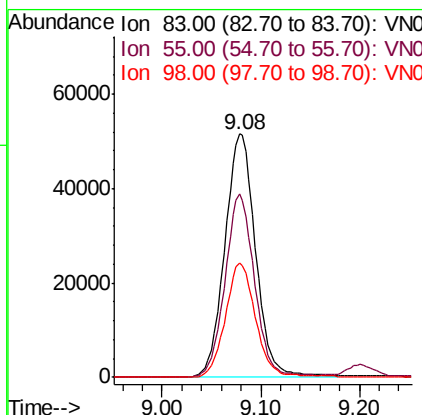
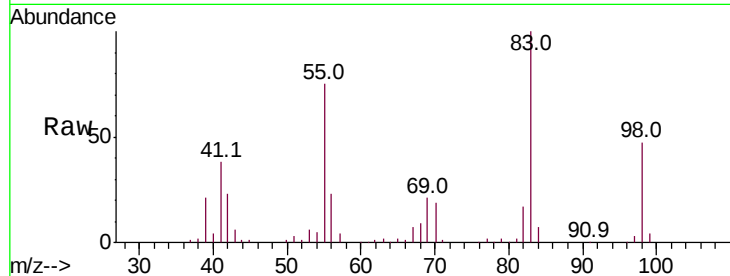
#39  
Methvlcvclohexane  
Concen: 19.069 ug/l  
RT: 9.08 min Scan# 2272  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 75.2  | 59.3  | 88.9  |
| 98      | 46.9  | 36.6  | 54.8  |

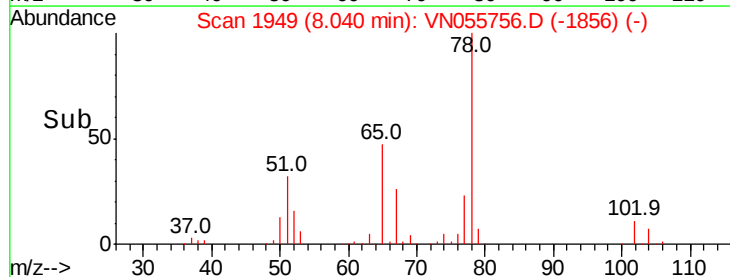
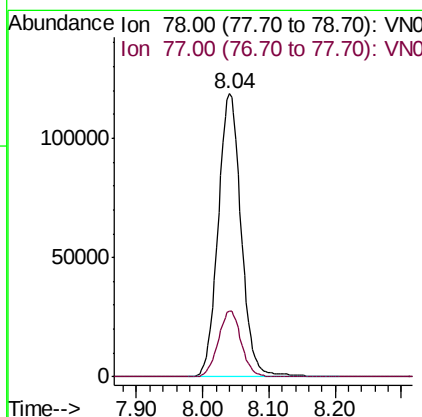
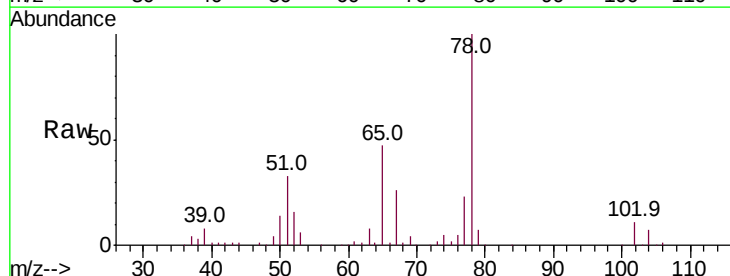
Manual Integrations  
APPROVED

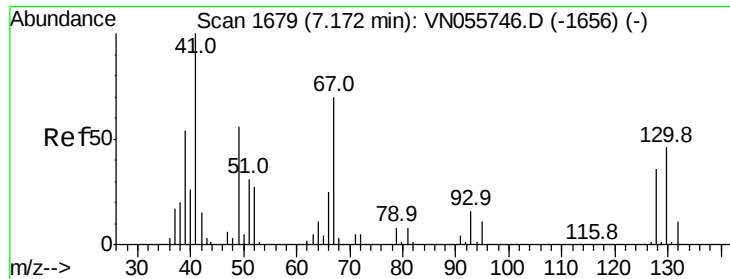
MMDadoda  
5/24/2019 9:22:33 AM



#40  
Benzene  
Concen: 19.898 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.4  | 18.8  | 28.2  |





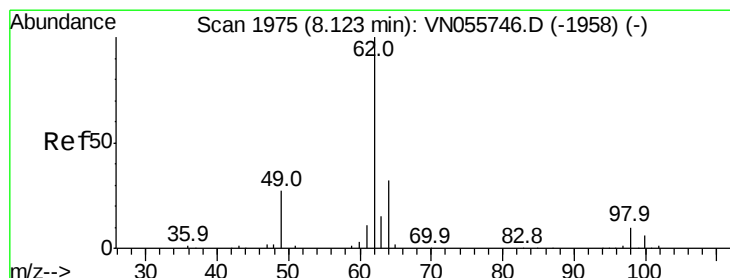
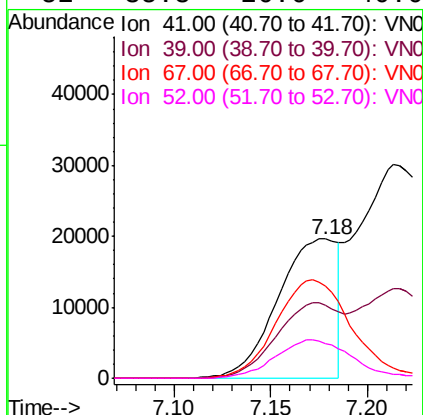
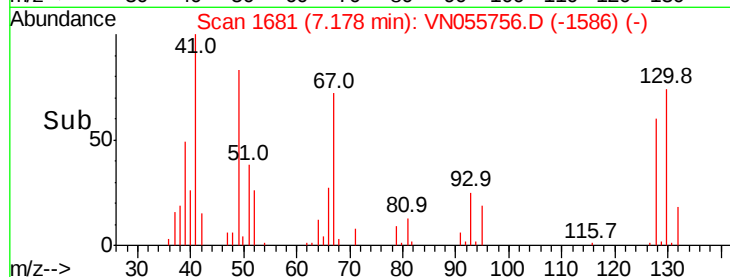
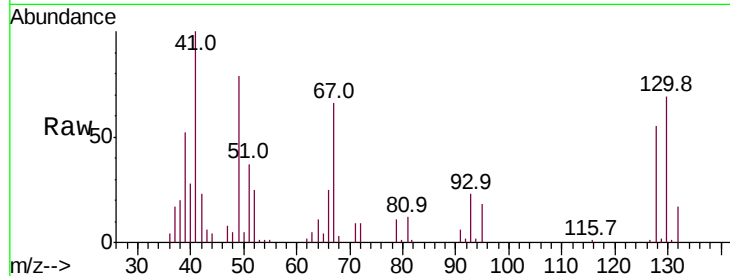
#41  
Methacrylonitrile  
Concen: 18.078 ug/l  
RT: 7.18 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 39      | 58.2  | 45.6  | 68.4  |
| 67      | 89.9  | 67.7  | 101.5 |
| 52      | 35.8  | 26.6  | 40.0  |

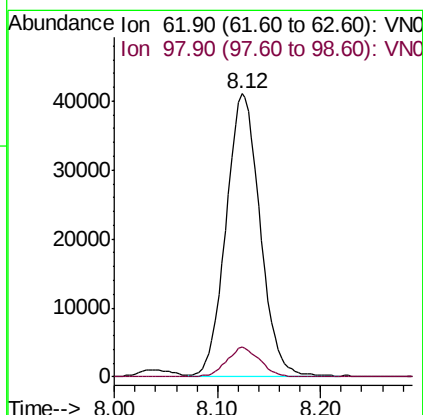
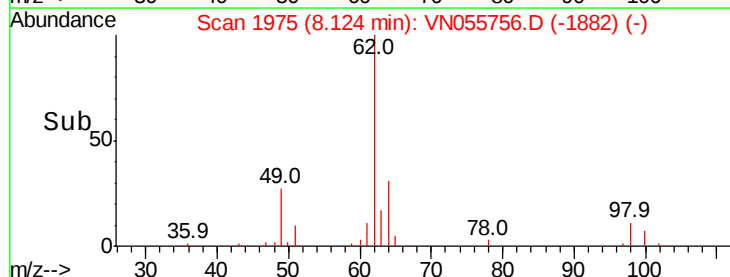
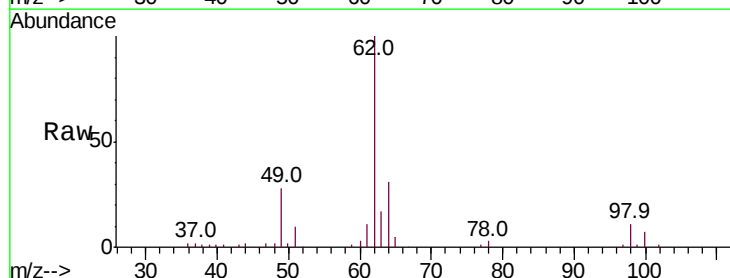
Manual Integrations  
APPROVED

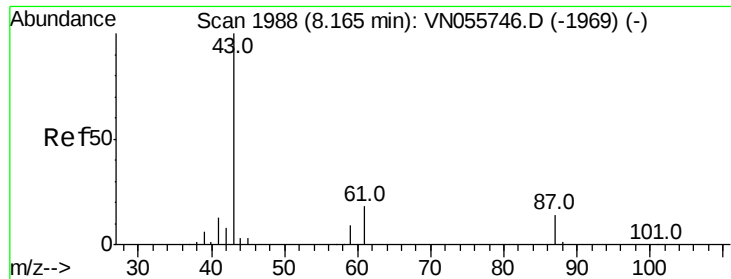
MMDadoda  
5/24/2019 9:22:33 AM



#42  
1,2-Dichloroethane  
Concen: 20.168 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

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





#43

Isopropyl Acetate

Concen: 19.220 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

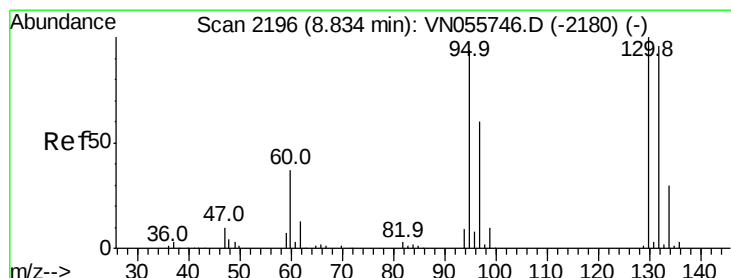
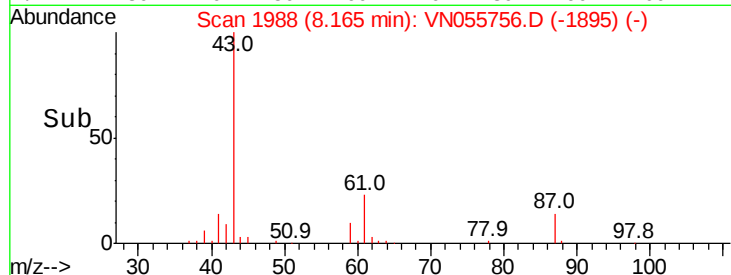
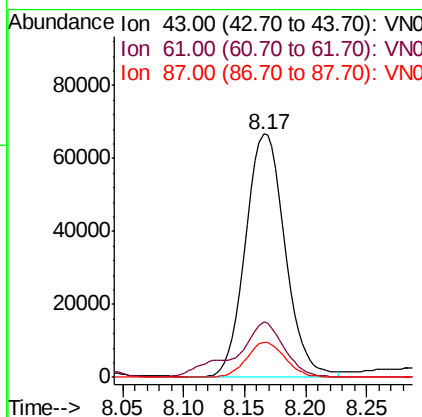
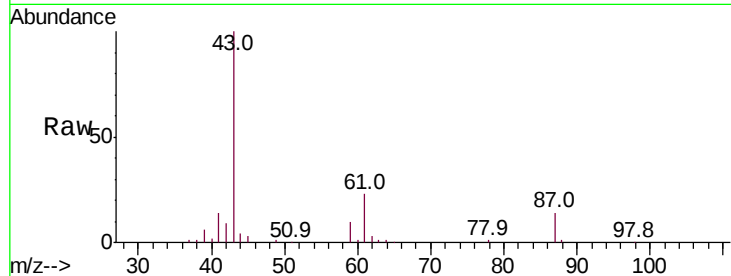
ClientSampleId :

VN0523WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 43    | Resp: | 148887 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 28.2  | 22.2  | 33.4   |
| 87       | 14.2  | 11.4  | 17.2   |

Manual Integrations  
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MMDadoda  
5/24/2019 9:22:33 AM



#44

Trichloroethene

Concen: 20.389 ug/l

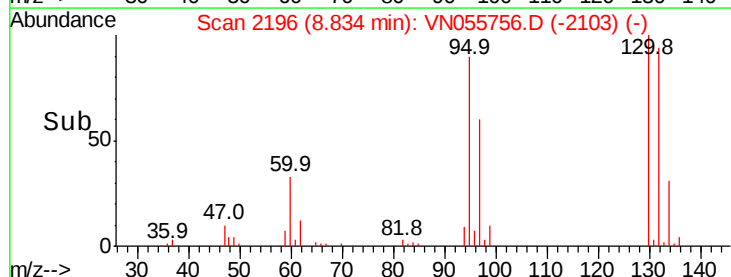
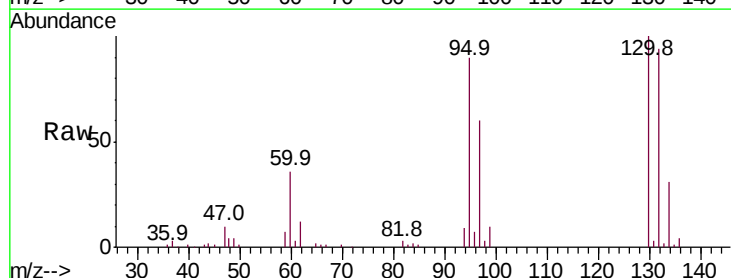
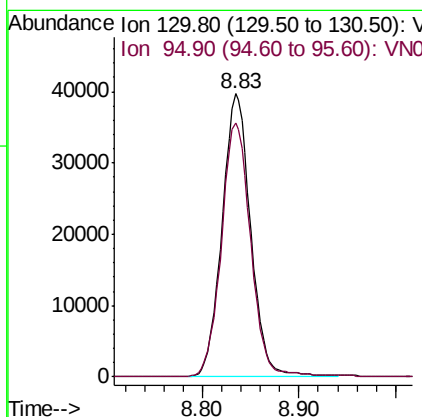
RT: 8.83 min Scan# 2196

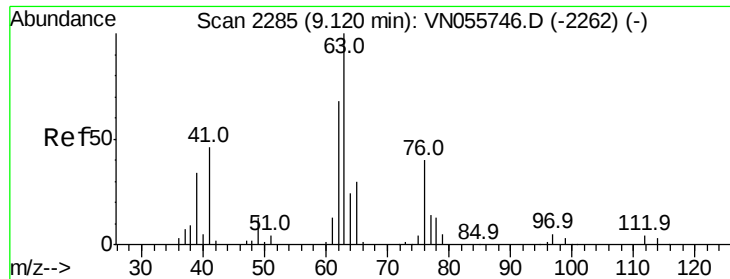
Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 81719 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 89.9  | 0.0   | 188.0 |





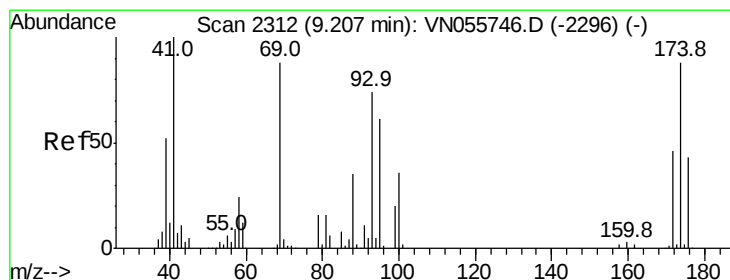
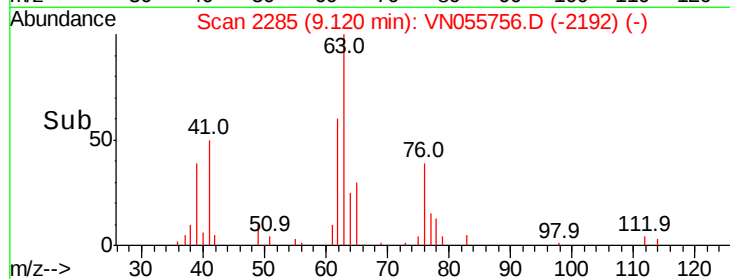
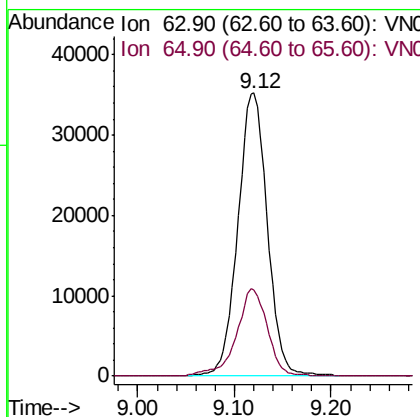
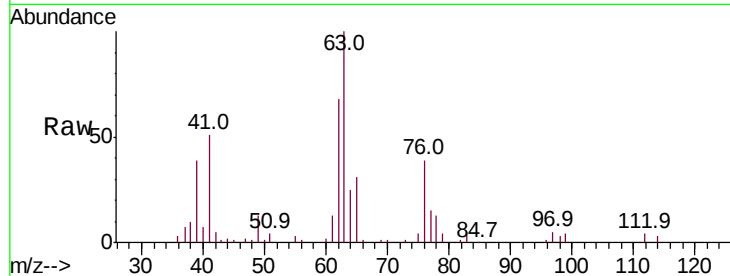
#45  
 1,2-Dichloropropane  
 Concen: 19.972 ug/l  
 RT: 9.12 min Scan# 2285  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 65      | 30.6  | 24.6  | 36.8  |

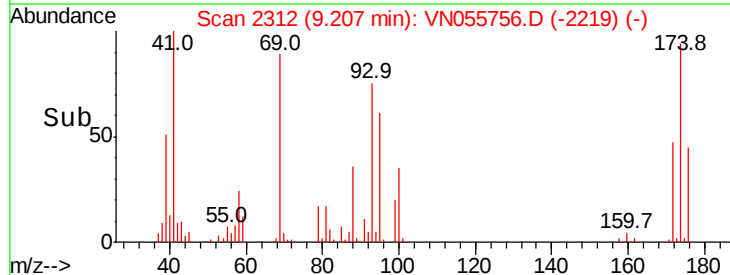
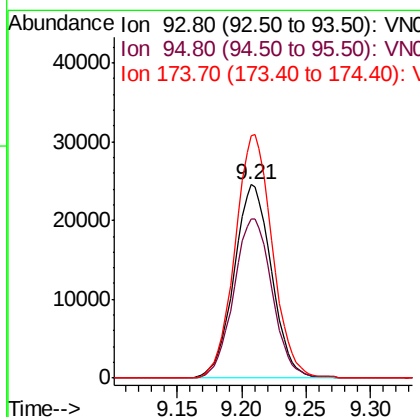
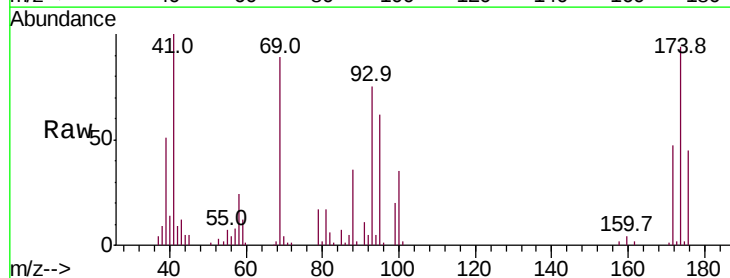
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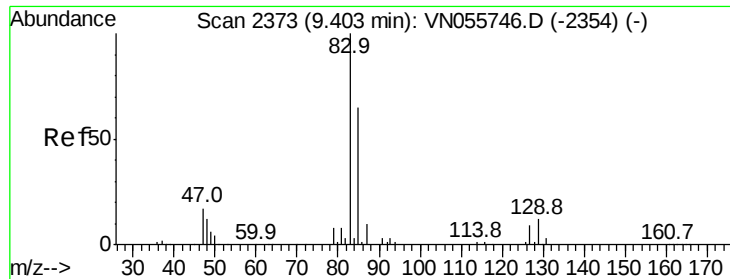
MMDadoda  
 5/24/2019 9:22:33 AM



#46  
 Dibromomethane  
 Concen: 20.233 ug/l  
 RT: 9.21 min Scan# 2312  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 93      | 100   |       |       |
| 95      | 84.0  | 66.7  | 100.1 |
| 174     | 125.0 | 96.4  | 144.6 |





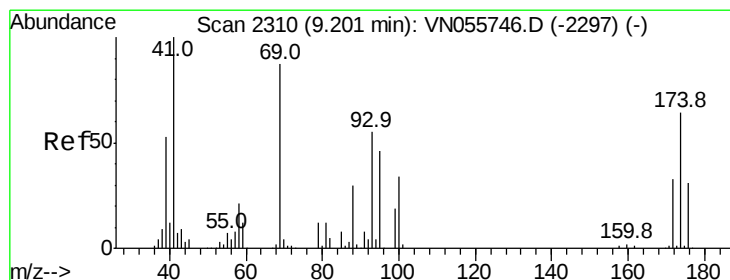
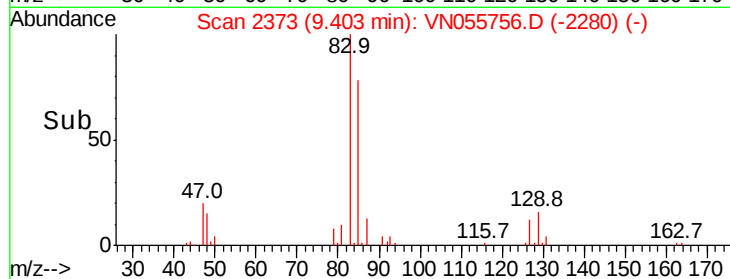
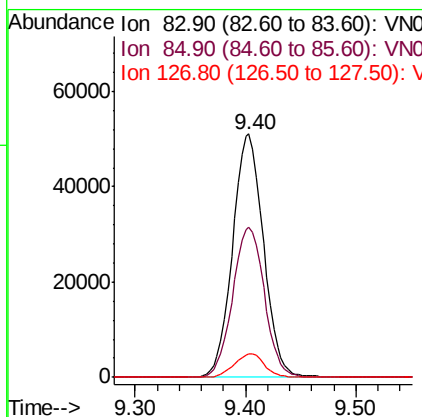
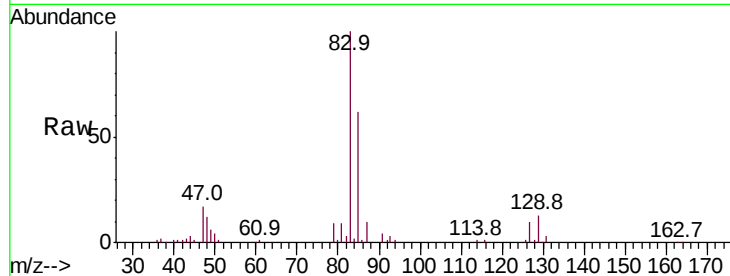
#47  
Bromodichloromethane  
Concen: 19.698 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 61.8  | 52.2  | 78.2  |
| 127     | 9.8   | 7.4   | 11.0  |

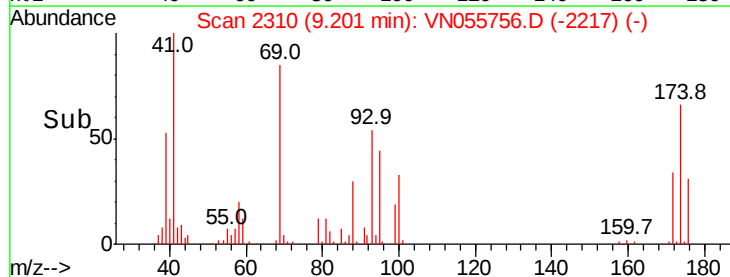
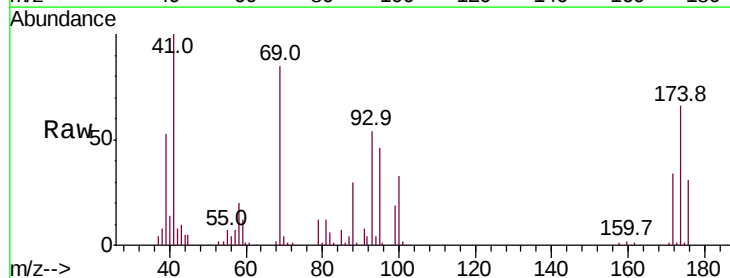
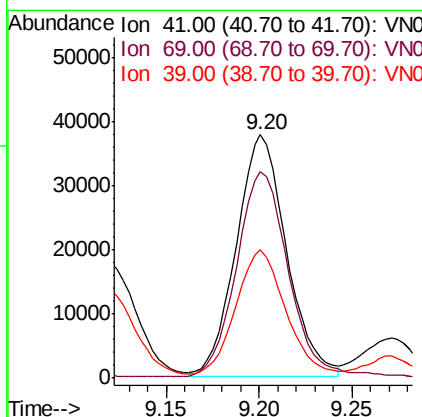
Manual Integrations  
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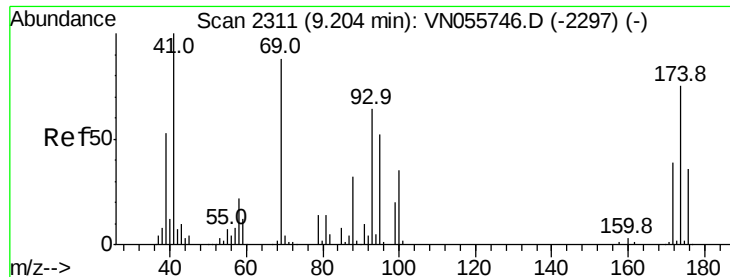
MMDadoda  
5/24/2019 9:22:33 AM



#48  
Methyl methacrylate  
Concen: 20.072 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 87.9  | 71.0  | 106.6 |
| 39      | 53.5  | 44.2  | 66.2  |





#49

1,4-Dioxane

Concen: 404.276 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion: 88 Resp: 29994

Ion Ratio Lower Upper

88 100

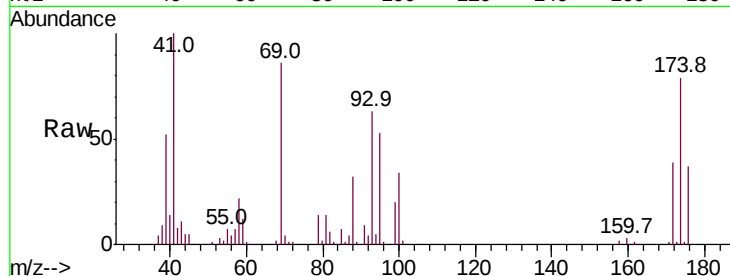
43 26.1 20.5 30.7

58 61.9 55.8 83.6

Manual Integrations  
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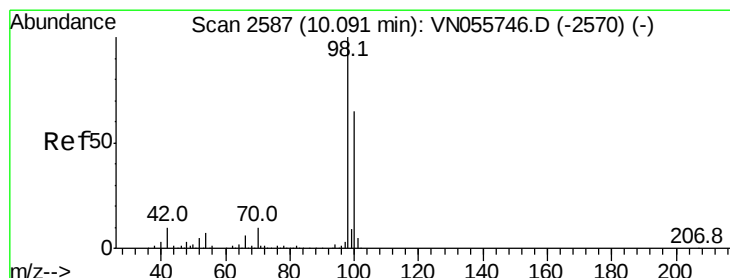
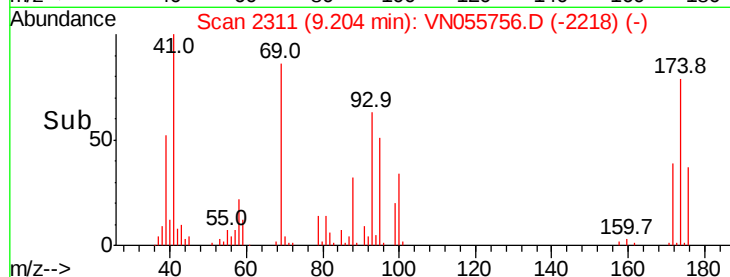
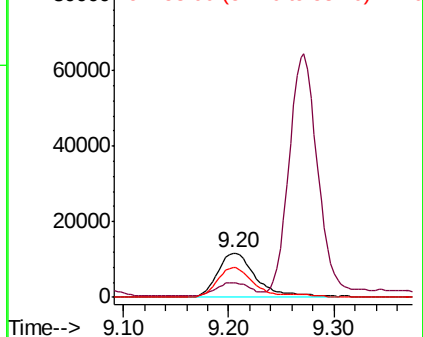
5/24/2019 9:22:33 AM



Abundance Ion 88.00 (87.70 to 88.70): VN055746.D (-2297) (-)

Ion 43.00 (42.70 to 43.70): VN055746.D (-2297) (-)

Ion 58.00 (57.70 to 58.70): VN055746.D (-2297) (-)



#50

Toluene-d8

Concen: 49.593 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN055756.D

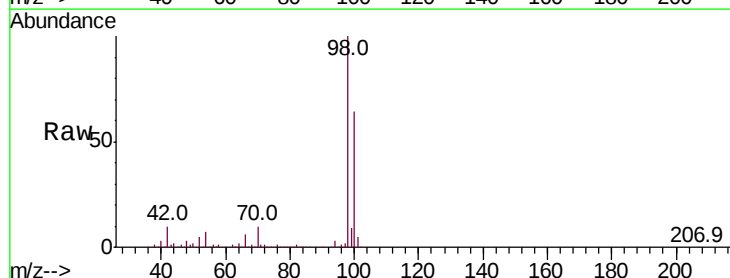
Acq: 23 May 2019 16:21

Tgt Ion: 98 Resp: 658368

Ion Ratio Lower Upper

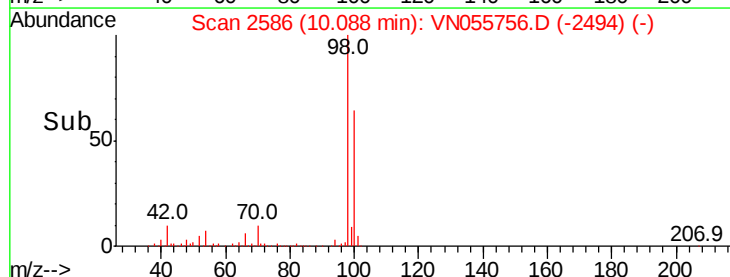
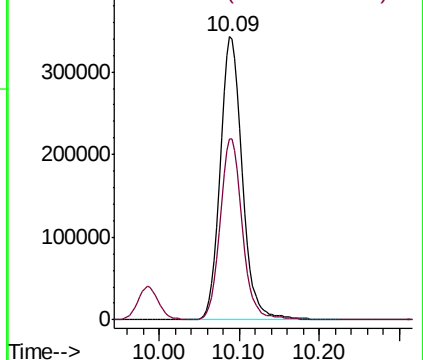
98 100

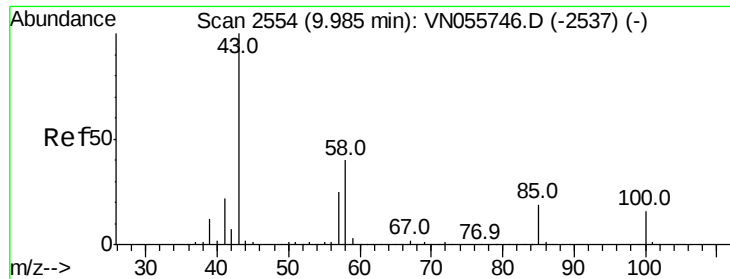
100 63.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055746.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN055746.D (-2570) (-)





#51

4-Methyl-2-Pentanone

Concen: 99.717 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion: 43 Resp: 456217

Ion Ratio Lower Upper

43 100

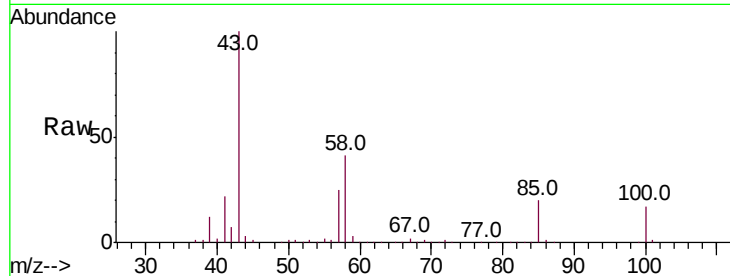
58 40.2 32.1 48.1

Manual Integrations

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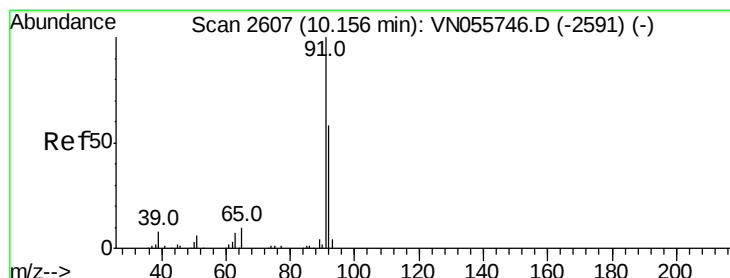
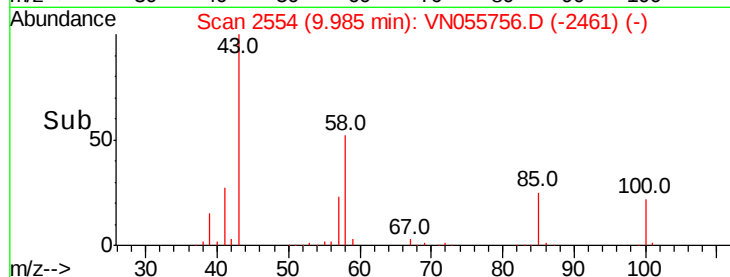
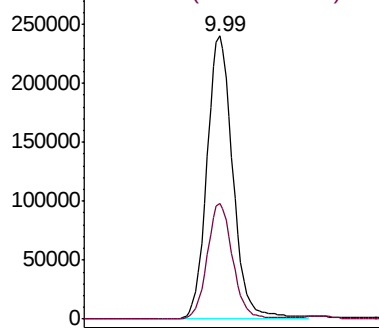
MMDadoda

5/24/2019 9:22:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.881 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055756.D

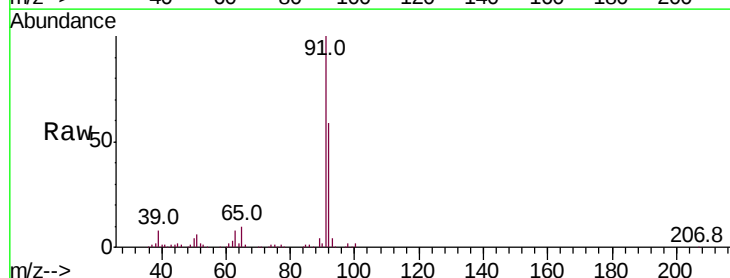
Acq: 23 May 2019 16:21

Tgt Ion: 92 Resp: 179764

Ion Ratio Lower Upper

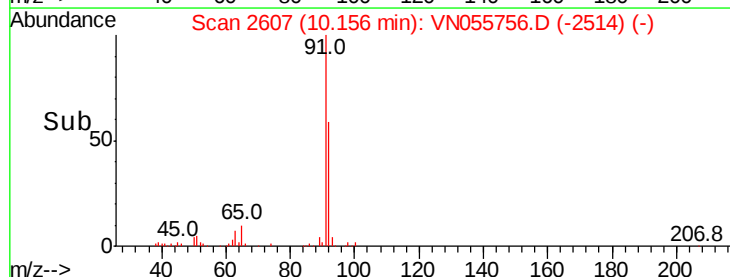
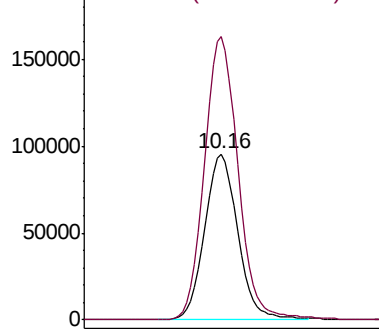
92 100

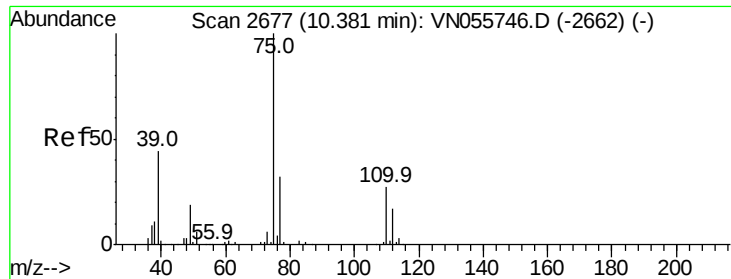
91 174.1 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





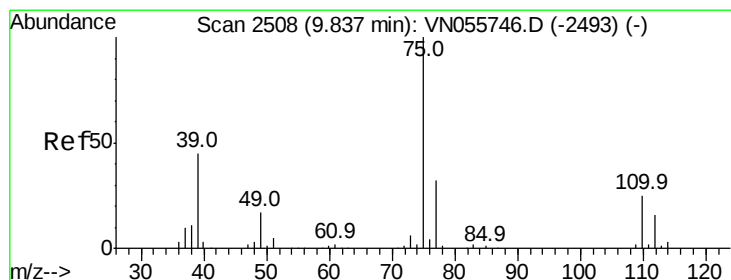
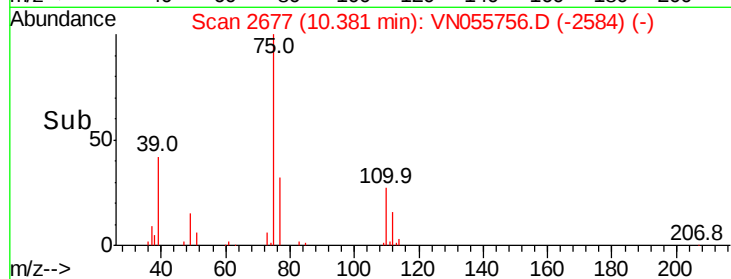
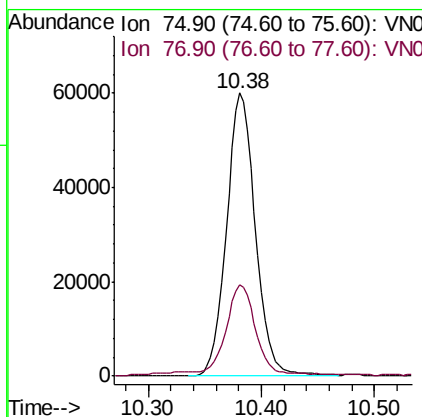
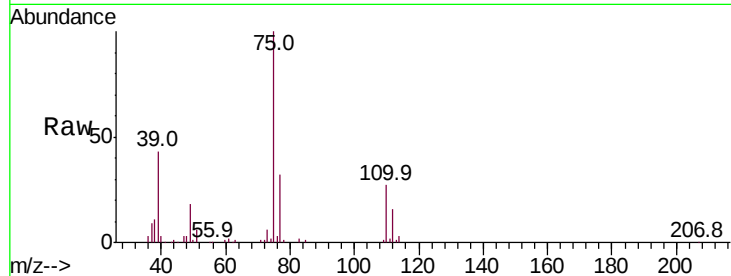
#53  
t-1,3-Dichloropropene  
Concen: 19.767 ug/l  
RT: 10.38 min Scan# 2677  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 31.6  | 25.8  | 38.6  |

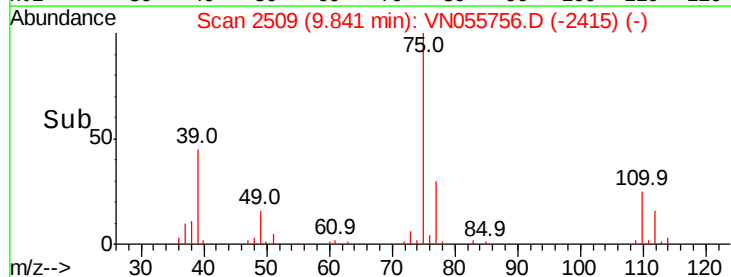
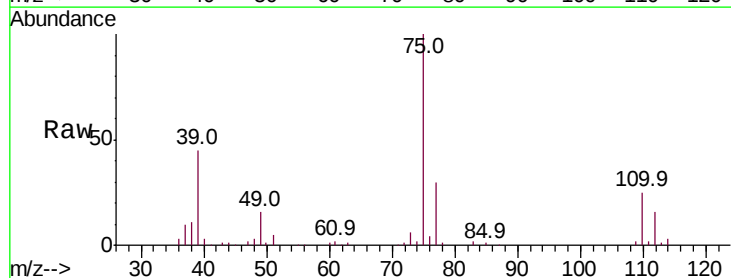
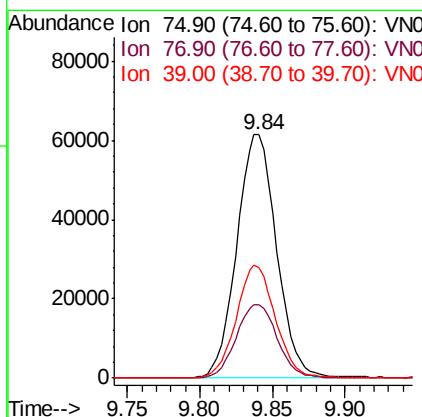
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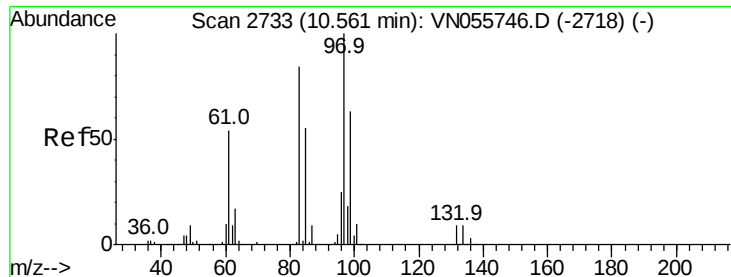
MMDadoda  
5/24/2019 9:22:33 AM



#54  
cis-1,3-Dichloropropene  
Concen: 19.703 ug/l  
RT: 9.84 min Scan# 2509  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 30.0  | 25.4  | 38.0  |
| 39      | 45.4  | 36.3  | 54.5  |





#55

1,1,2-Trichloroethane

Concen: 19.970 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion: 97 Resp: 72338

Ion Ratio Lower Upper

97 100

83 84.2 67.0 100.6

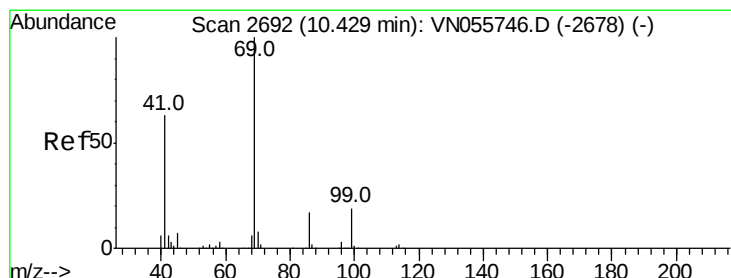
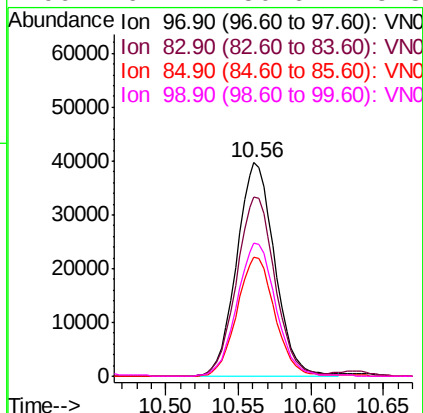
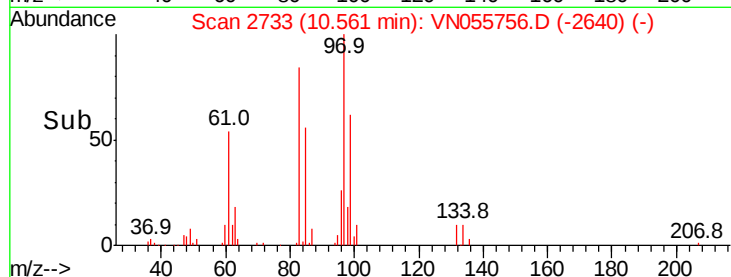
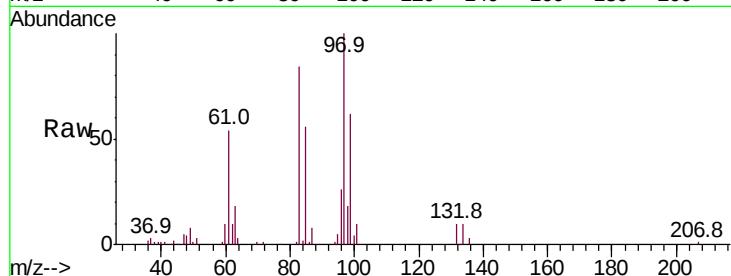
85 55.6 44.0 66.0

99 62.4 50.6 75.8

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#56

Ethyl methacrylate

Concen: 19.452 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

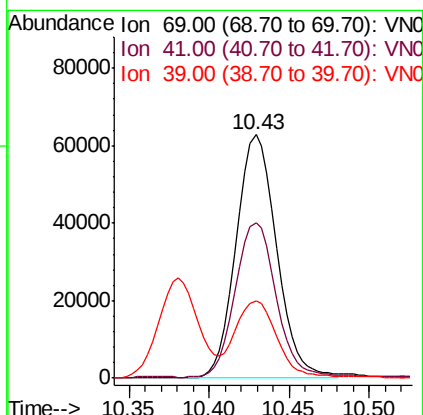
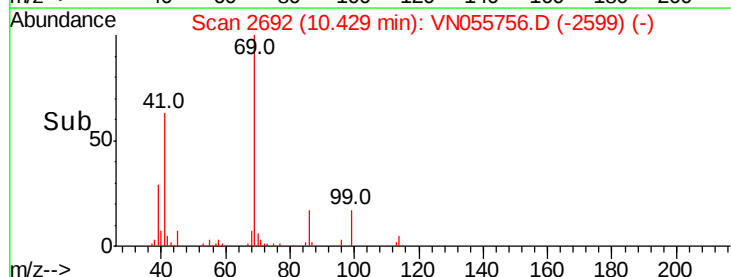
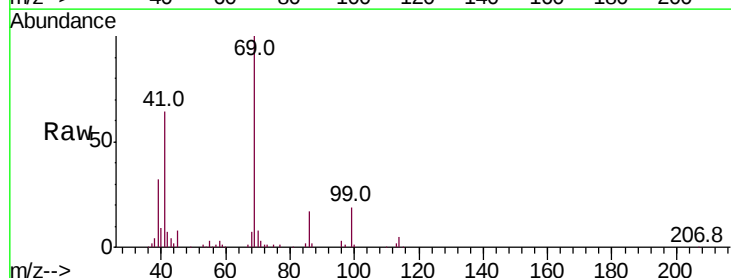
Tgt Ion: 69 Resp: 108898

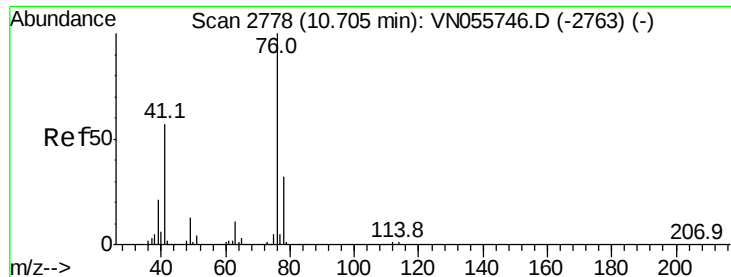
Ion Ratio Lower Upper

69 100

41 64.0 49.7 74.5

39 31.7 24.7 37.1





#57

1,3-Dichloropropane

Concen: 19.690 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion: 76 Resp: 115937

Ion Ratio Lower Upper

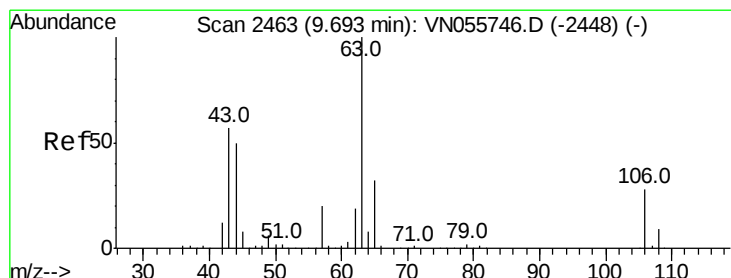
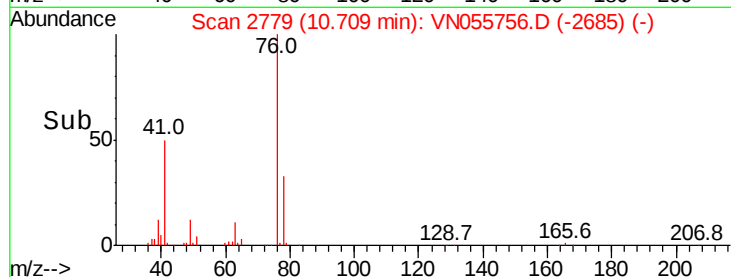
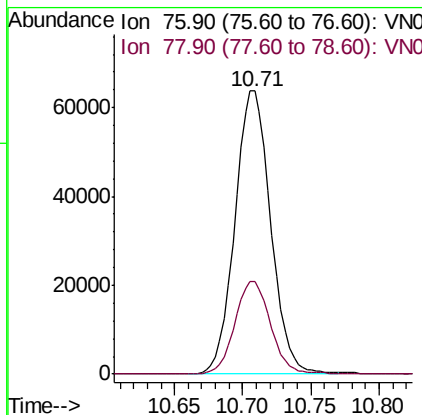
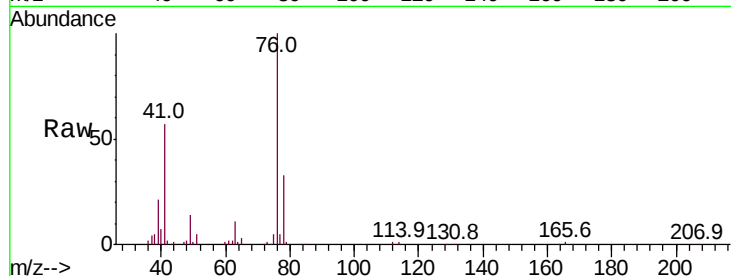
76 100

78 32.7 25.8 38.6

Manual Integrations  
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#58

2-Chloroethyl Vinyl ether

Concen: 95.532 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055756.D

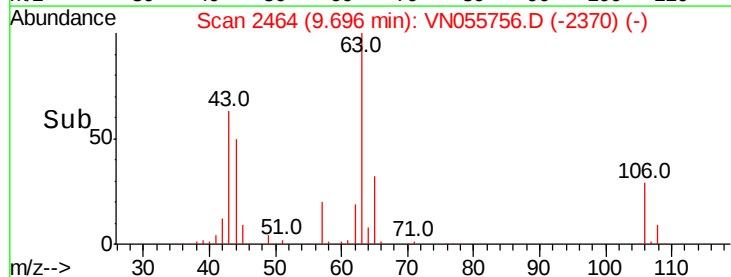
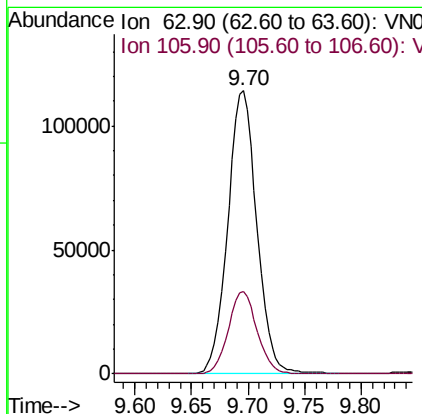
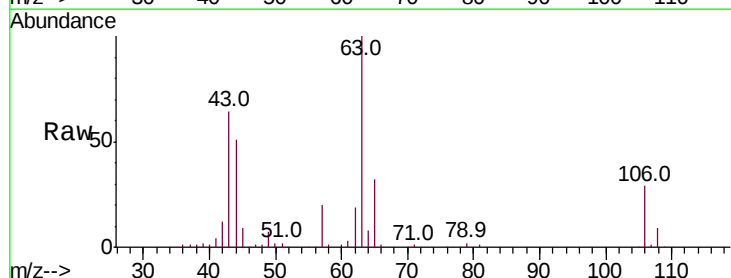
Acq: 23 May 2019 16:21

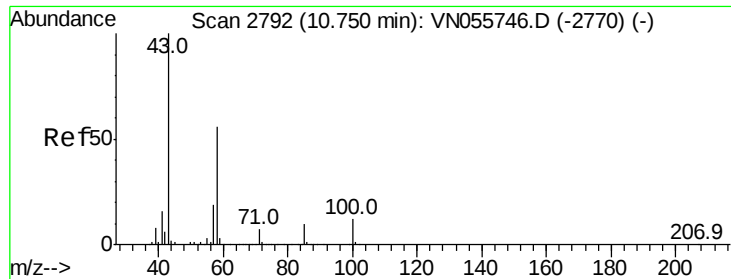
Tgt Ion: 63 Resp: 204384

Ion Ratio Lower Upper

63 100

106 28.9 22.7 34.1





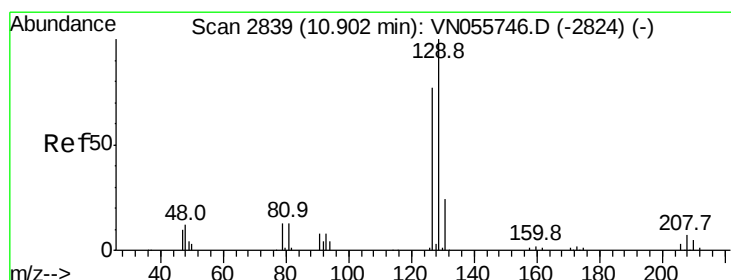
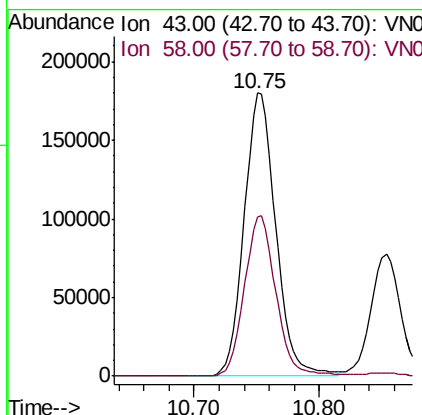
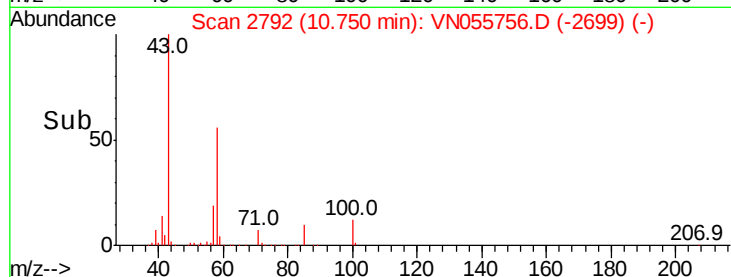
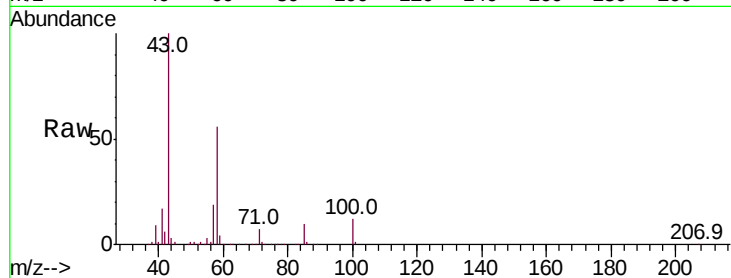
#59  
2-Hexanone  
Concen: 97.055 ug/l  
RT: 10.75 min Scan# 2792  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

Tot Ion: 43 Resp: 315006  
Ion Ratio Lower Upper  
43 100  
58 56.8 28.2 84.7

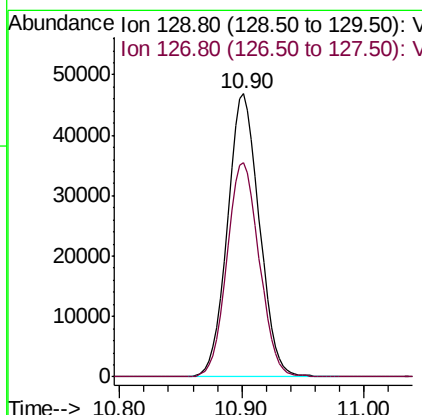
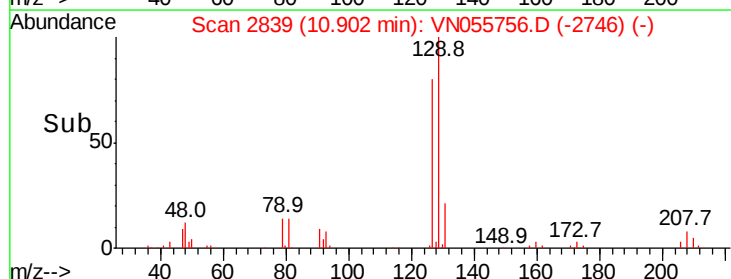
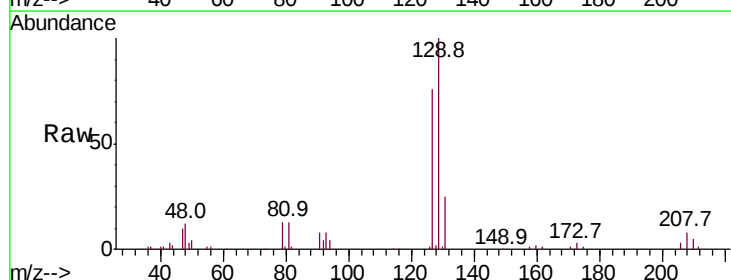
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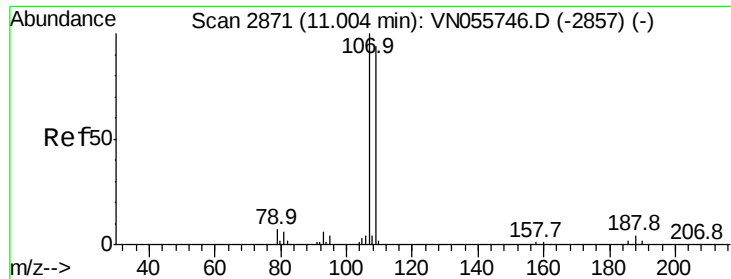
MMDadoda  
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#60  
Dibromochloromethane  
Concen: 20.225 ug/l  
RT: 10.90 min Scan# 2839  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Tgt Ion: 129 Resp: 85348  
Ion Ratio Lower Upper  
129 100  
127 76.8 38.1 114.3





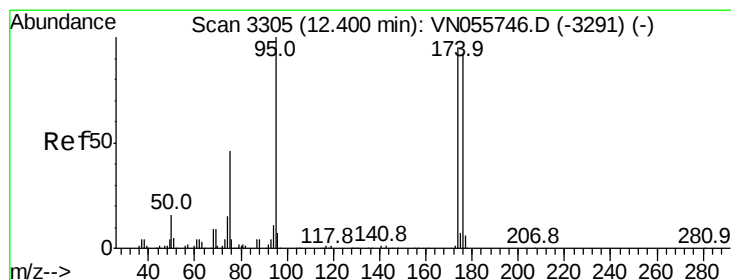
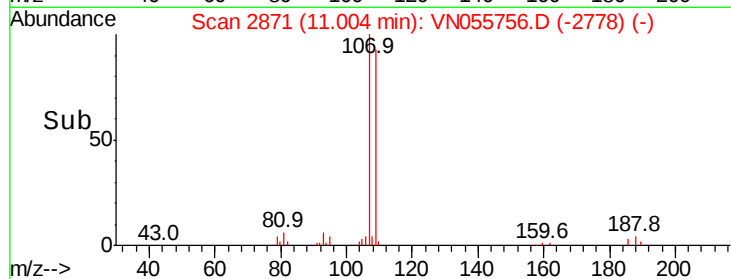
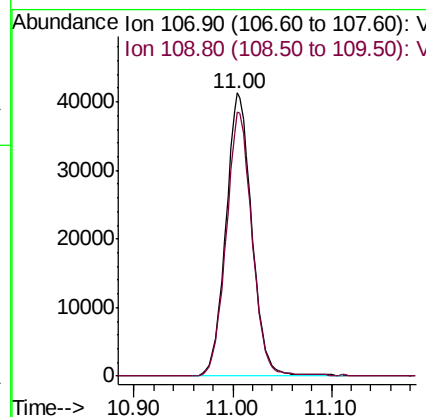
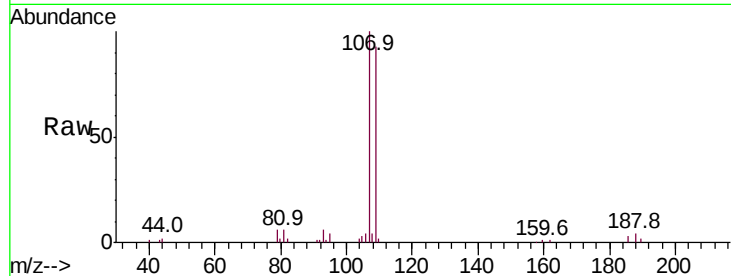
#61  
 1,2-Dibromoethane  
 Concen: 20.245 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 107     | 100   | 76066 |       |       |
| 109     | 93.1  | 74.8  | 112.2 |       |

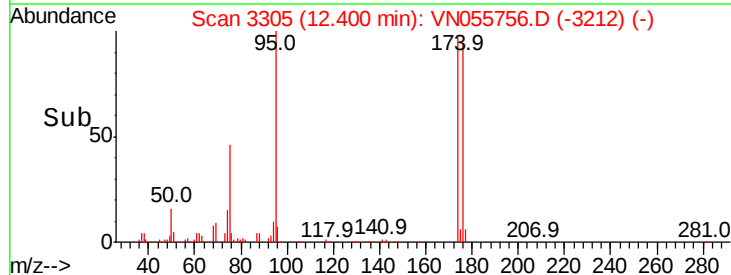
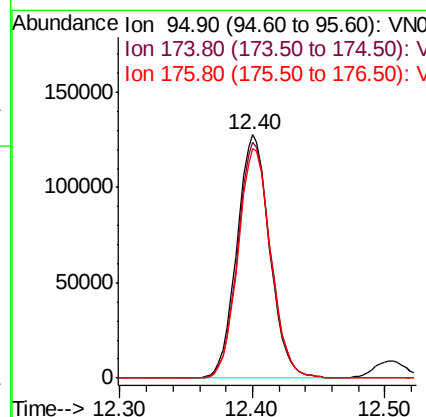
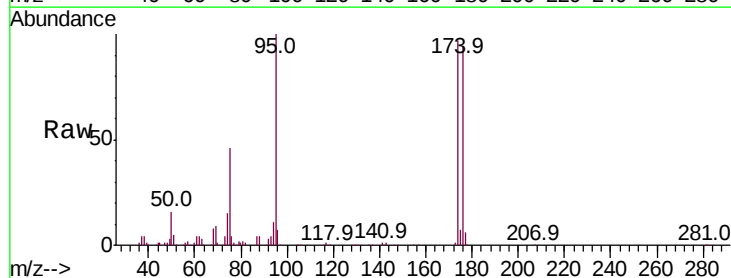
Manual Integrations  
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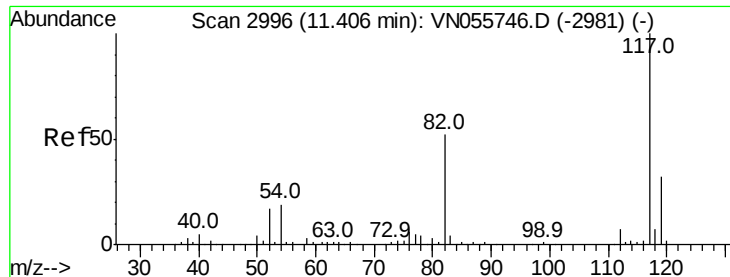
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#62  
 4-Bromofluorobenzene  
 Concen: 48.198 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 95      | 100   | 219401 |       |       |
| 174     | 97.0  | 0.0    | 191.0 |       |
| 176     | 94.2  | 0.0    | 185.2 |       |





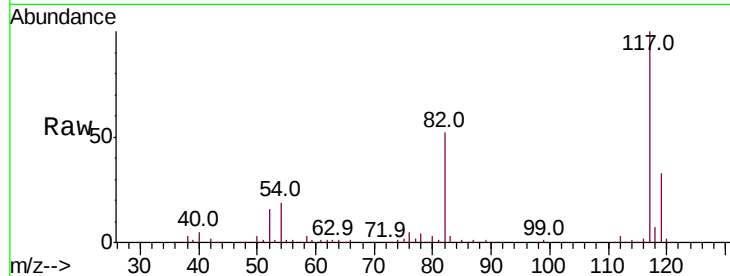
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.4  | 41.8  | 62.8  |
| 119     | 32.7  | 25.4  | 38.0  |

Manual Integrations  
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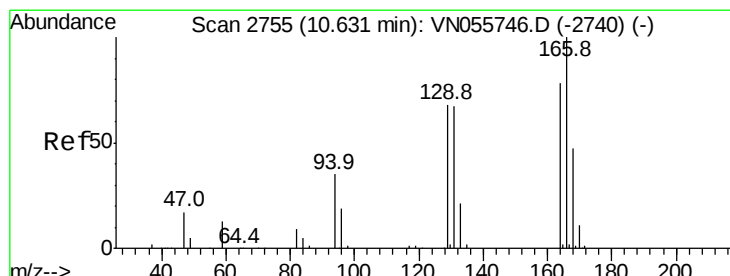
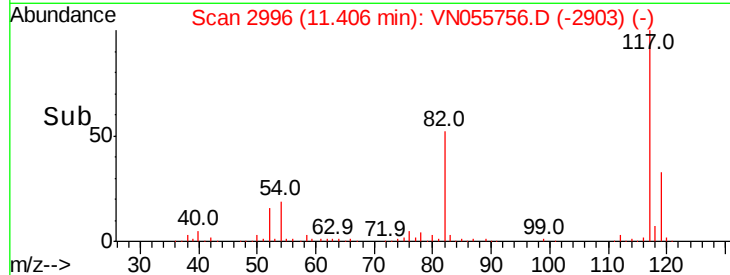
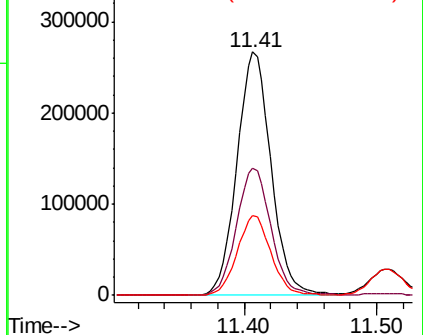


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64  
Tetrachloroethene  
Concen: 20.453 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 126.0 | 103.0 | 154.6 |
| 129     | 88.4  | 70.6  | 105.8 |
| 131     | 85.9  | 68.6  | 102.8 |

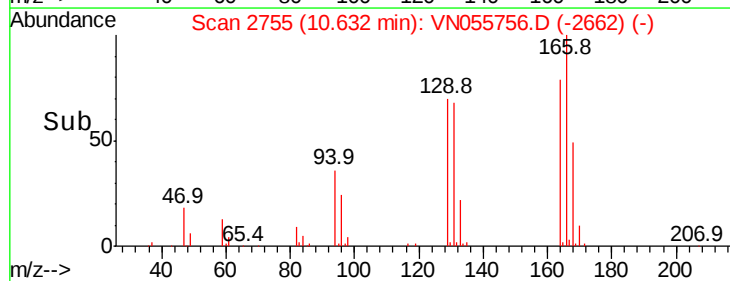
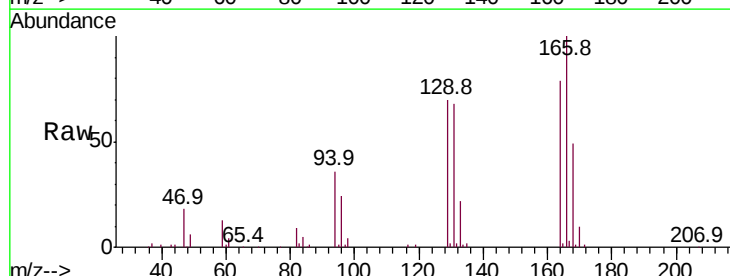
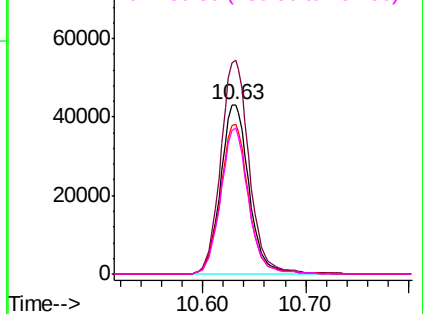
Abundance

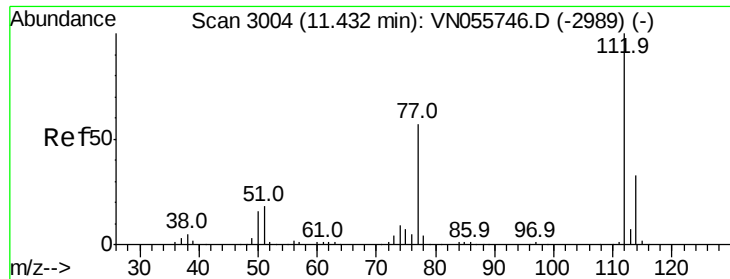
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





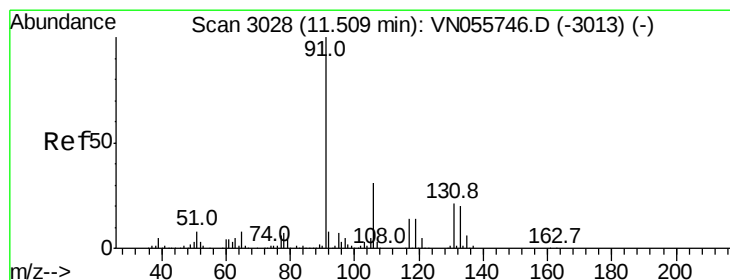
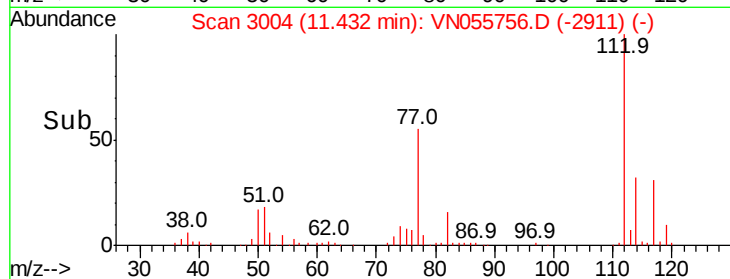
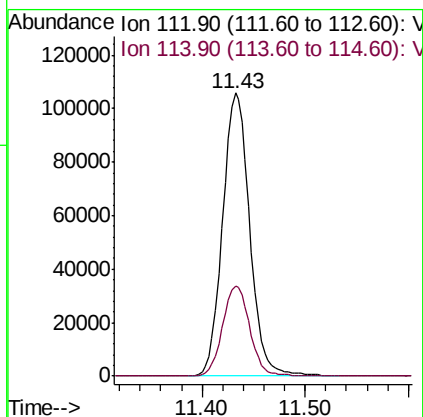
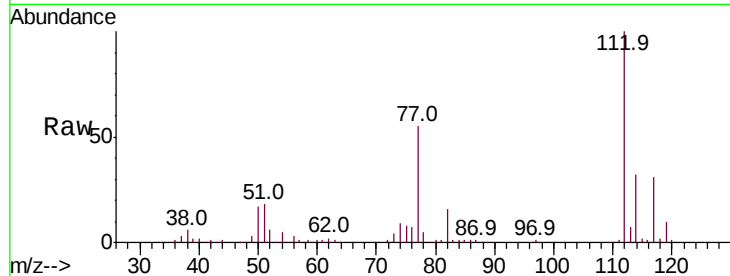
#65  
Chlorobenzene  
Concen: 20.264 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampled :  
VN0523WBS01

Tot Ion:112 Resp: 193929  
Ion Ratio Lower Upper  
112 100  
114 31.9 26.2 39.4

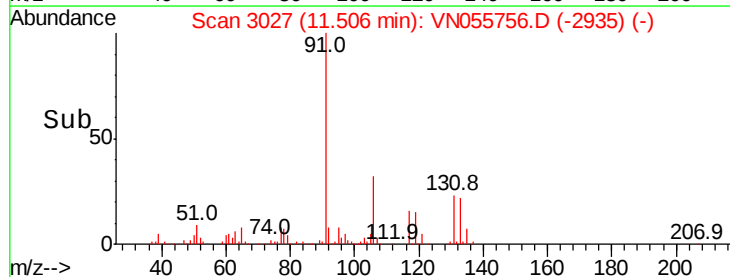
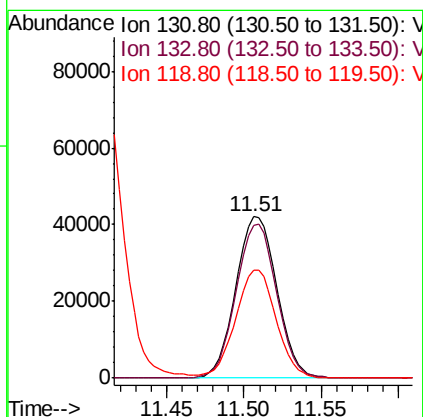
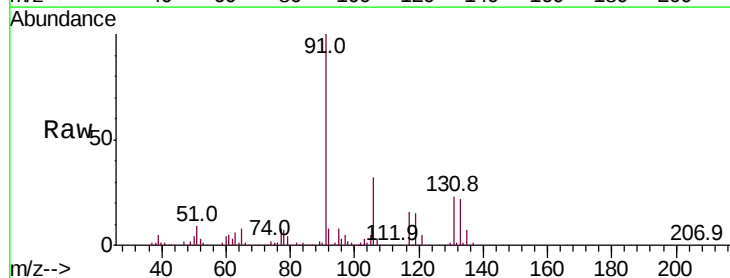
Manual Integrations  
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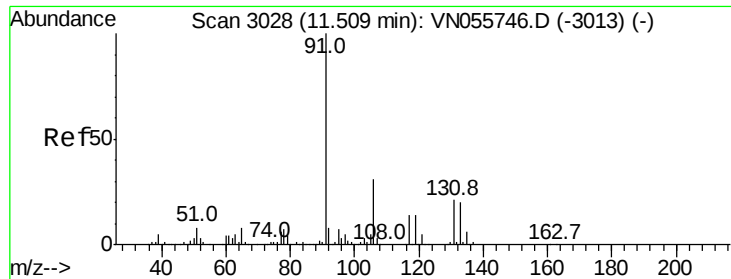
MMDadoda  
5/24/2019 9:22:33 AM



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.383 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Tgt Ion:131 Resp: 77803  
Ion Ratio Lower Upper  
131 100  
133 94.0 48.0 144.0  
119 66.3 33.1 99.5





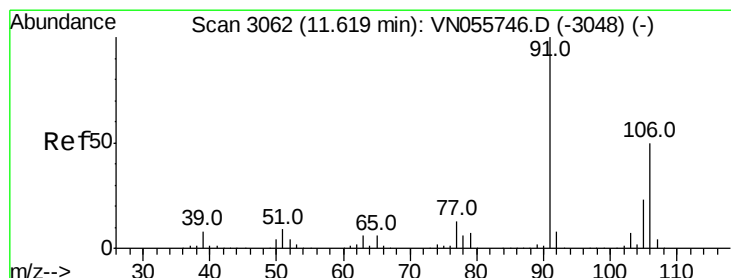
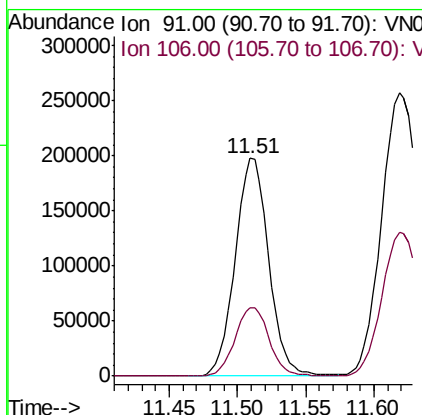
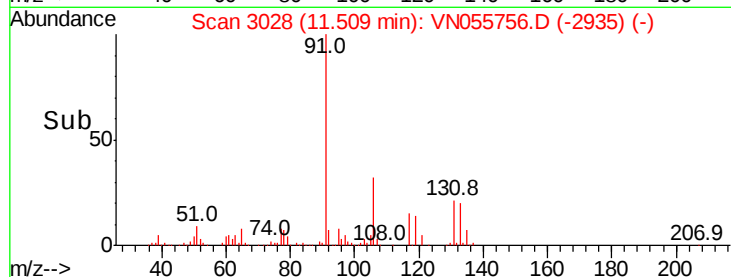
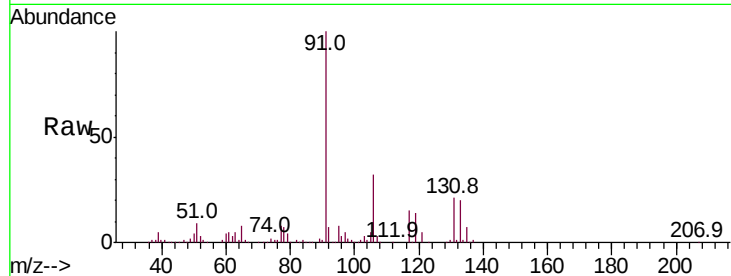
#67  
Ethyl Benzene  
Concen: 19.745 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

Tot Ion: 91 Resp: 338879  
Ion Ratio Lower Upper  
91 100  
106 31.6 25.1 37.7

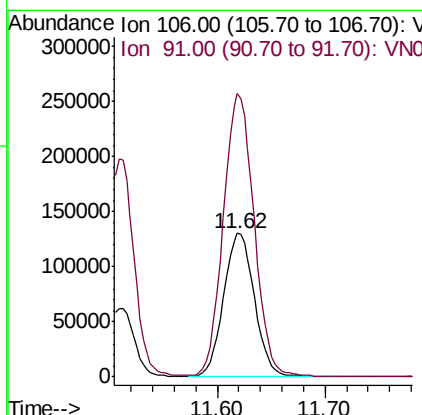
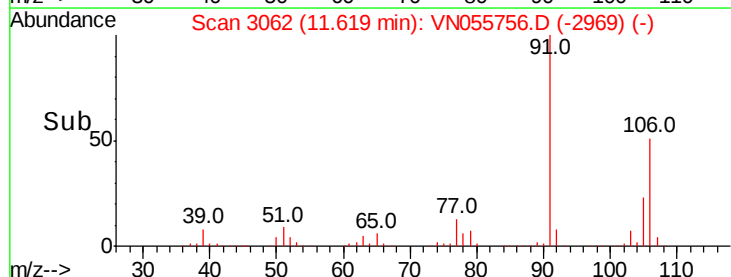
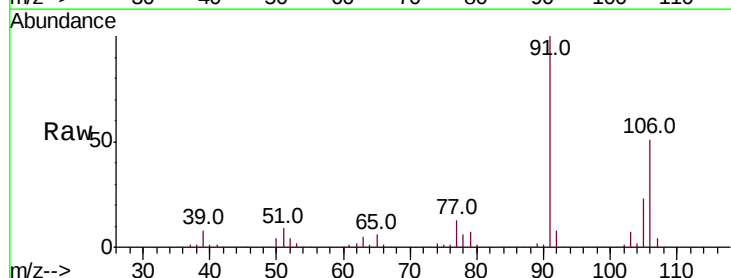
Manual Integrations  
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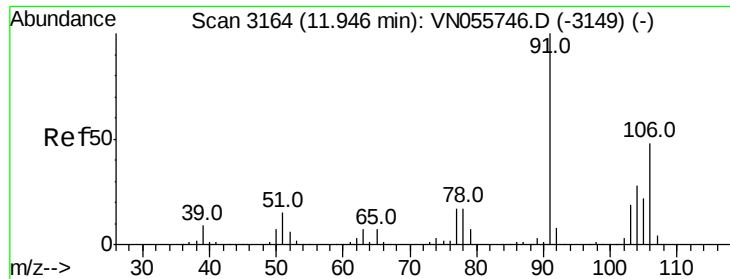
MMDadoda  
5/24/2019 9:22:33 AM



#68  
m/p-Xylenes  
Concen: 40.061 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Tgt Ion: 106 Resp: 259923  
Ion Ratio Lower Upper  
106 100  
91 197.3 159.3 238.9





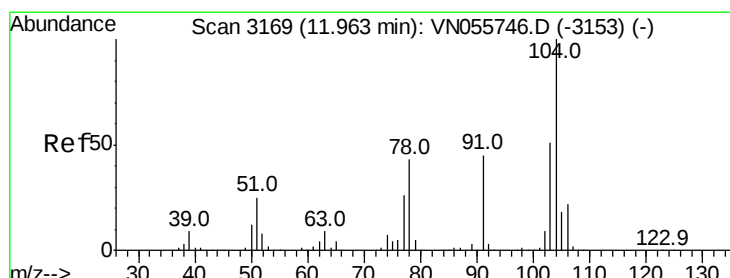
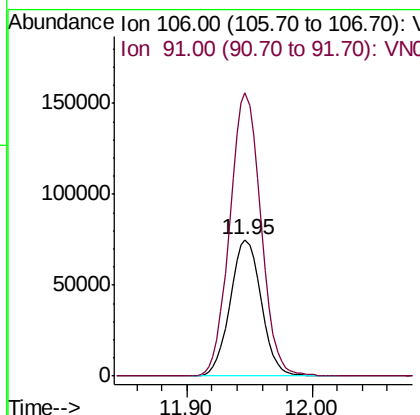
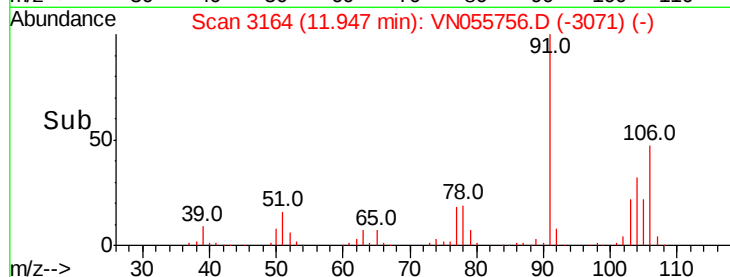
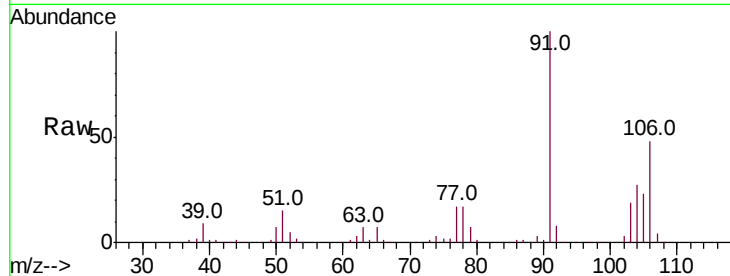
#69  
o-Xylene  
Concen: 20.112 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

Tot Ion:106 Resp: 129464  
Ion Ratio Lower Upper  
106 100  
91 207.5 104.7 314.1

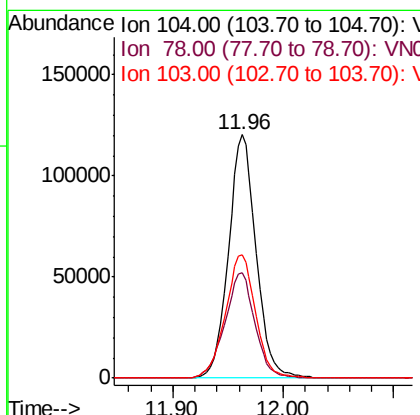
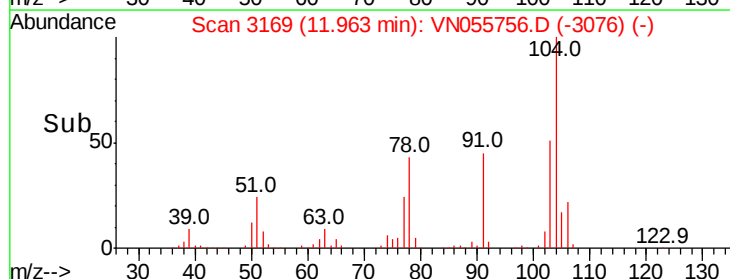
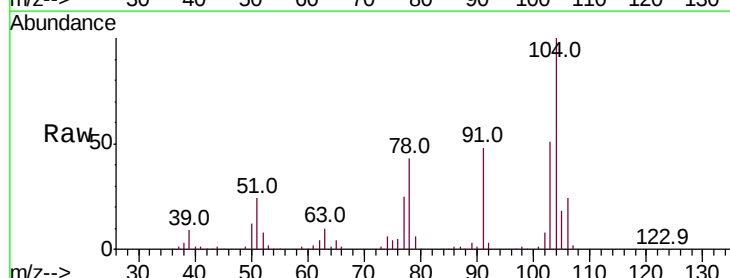
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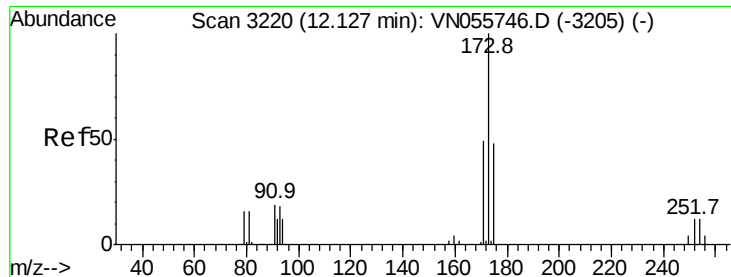
MMDadoda  
5/24/2019 9:22:33 AM



#70  
Styrene  
Concen: 20.004 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Tgt Ion:104 Resp: 208527  
Ion Ratio Lower Upper  
104 100  
78 47.1 37.8 56.6  
103 55.4 44.2 66.2





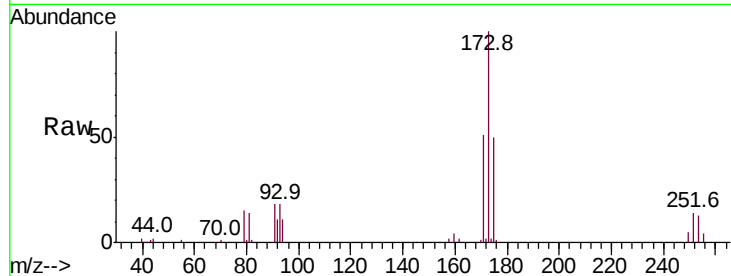
#71  
Bromoform  
Concen: 20.475 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 49.7  | 24.3  | 72.8  |
| 254     | 0.0   | 0.0   | 0.0   |

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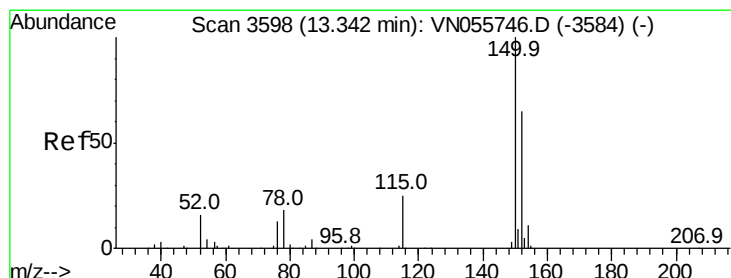
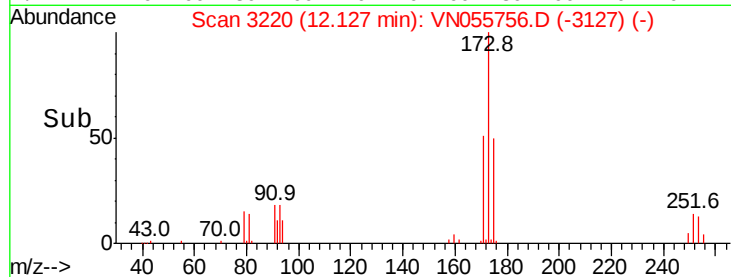
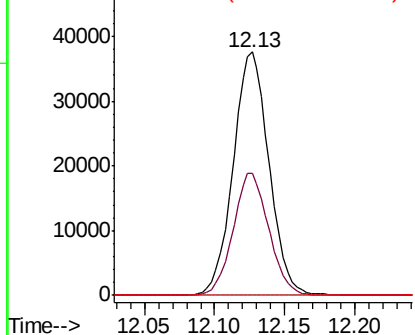


Abundance

Ion 172.70 (172.40 to 173.40): V

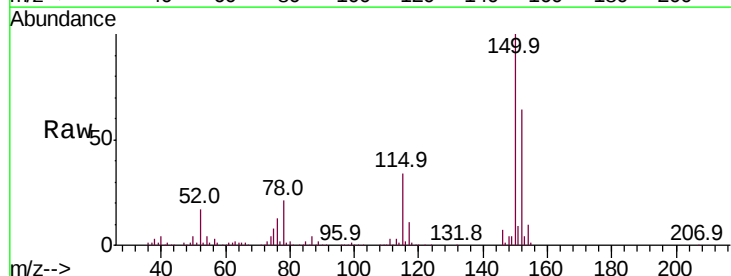
Ion 174.70 (174.40 to 175.40): V

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: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 52.9  | 27.0  | 81.0  |
| 150     | 162.5 | 0.0   | 343.2 |

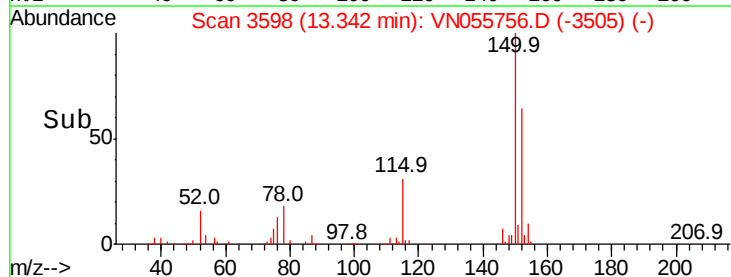
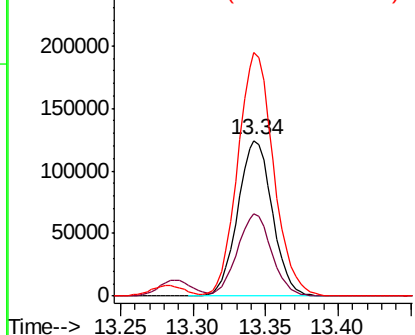


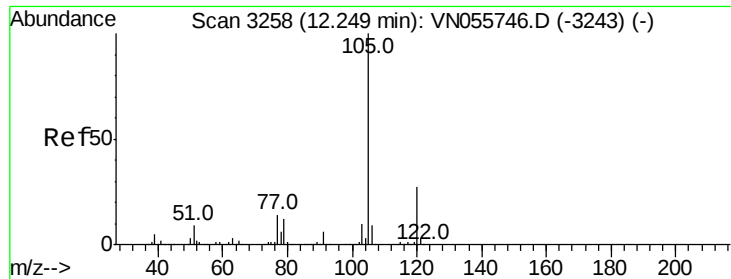
Abundance

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: 21.891 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion:105 Resp: 341758

Ion Ratio Lower Upper

105 100

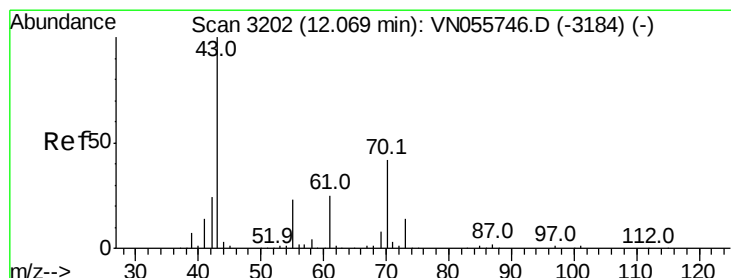
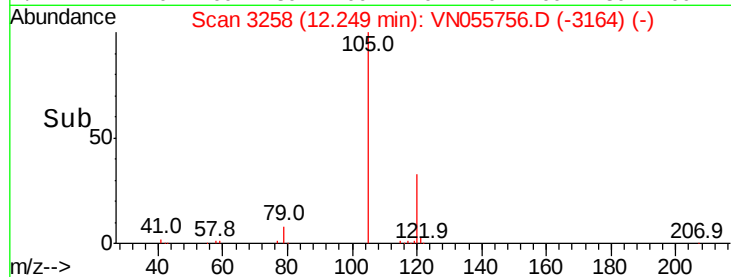
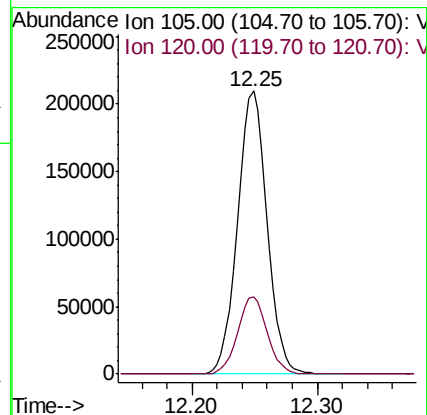
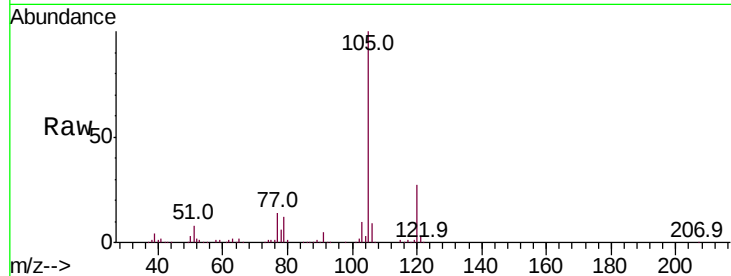
120 27.3 13.6 40.7

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#74

N-ethyl acetate

Concen: 20.157 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Tgt Ion: 43 Resp: 119680

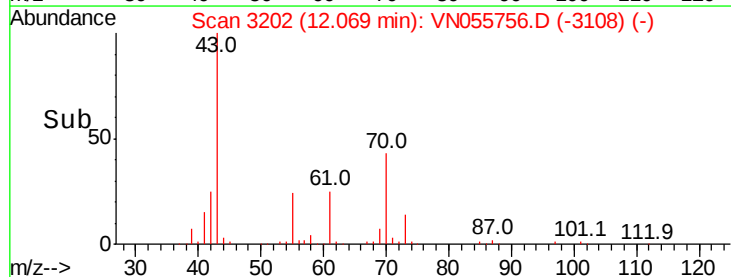
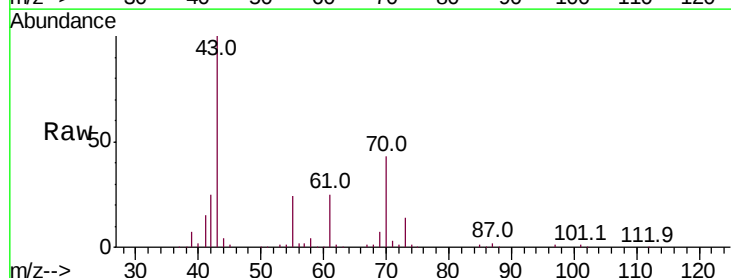
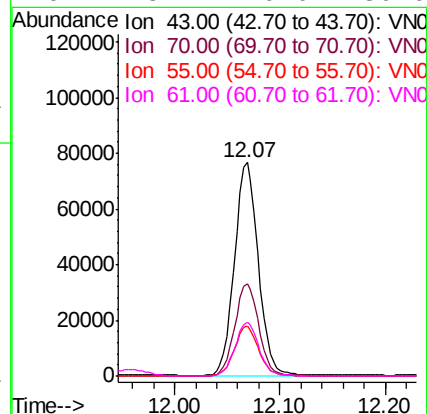
Ion Ratio Lower Upper

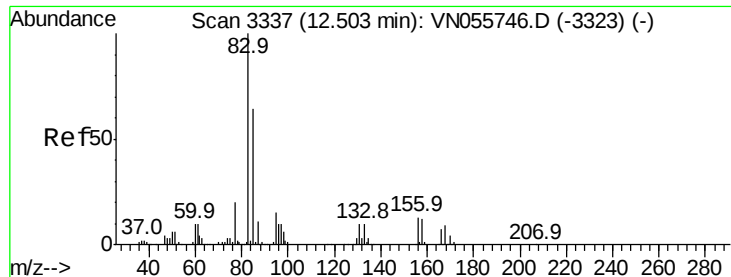
43 100

70 43.7 34.0 51.0

55 23.9 18.6 28.0

61 25.2 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.042 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

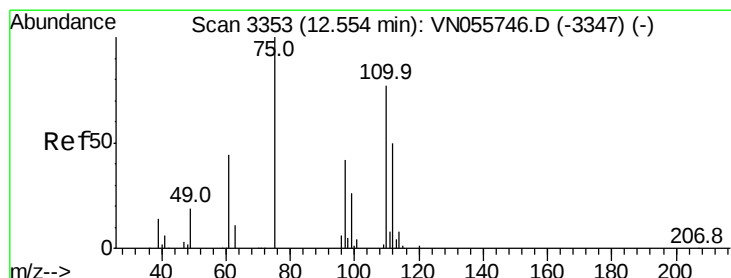
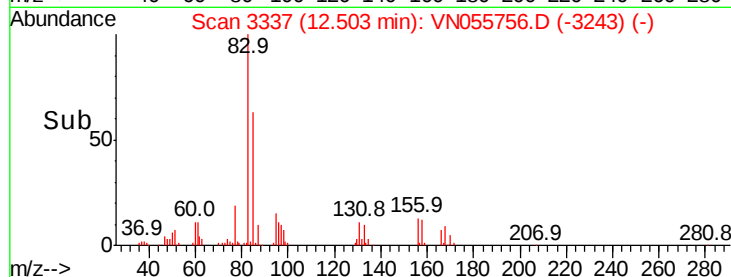
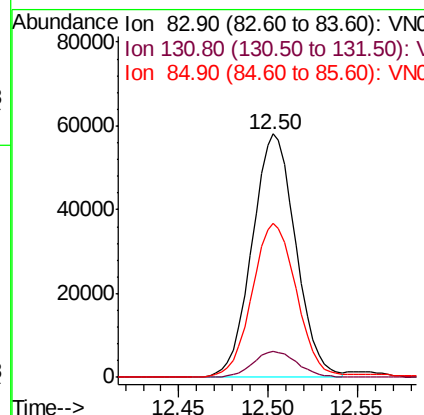
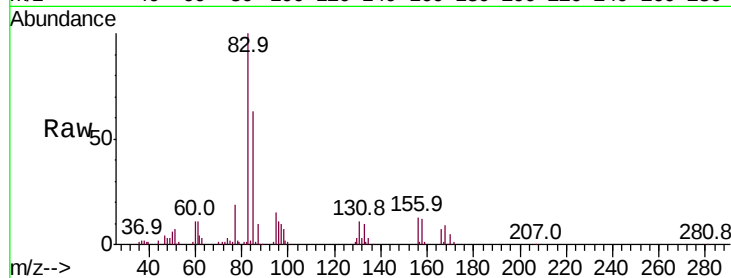
ClientSampleId :

VN0523WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tot Ion:  | 83    | Resp: | 99359 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 131       | 10.9  | 5.4   | 16.2  |
| 85        | 64.3  | 32.4  | 97.0  |

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#76

1,2,3-Trichloropropane

Concen: 21.312 ug/l m

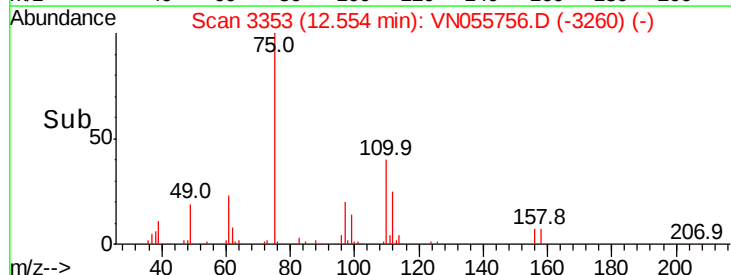
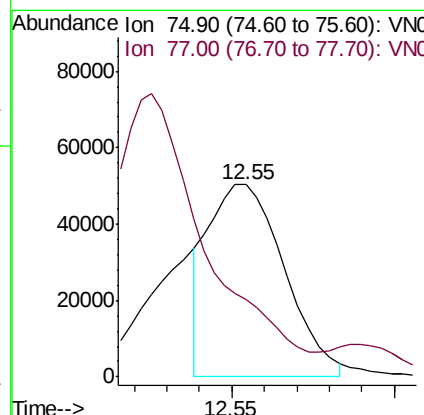
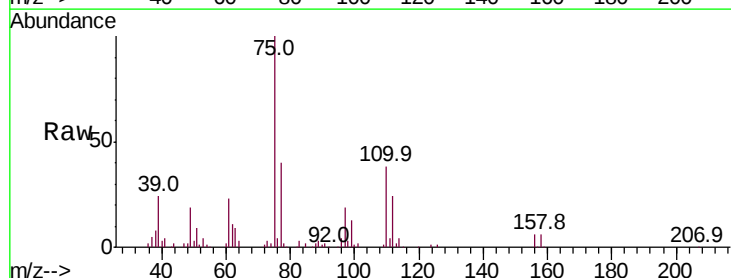
RT: 12.55 min Scan# 3353

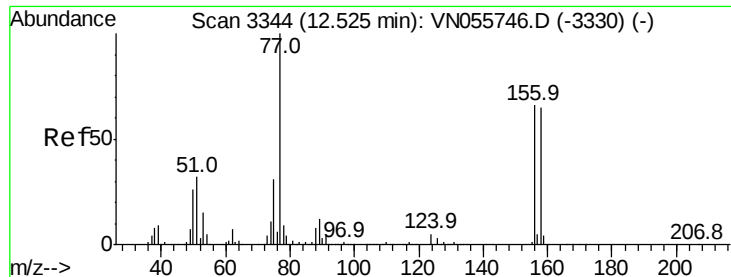
Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 81767 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 20.258 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

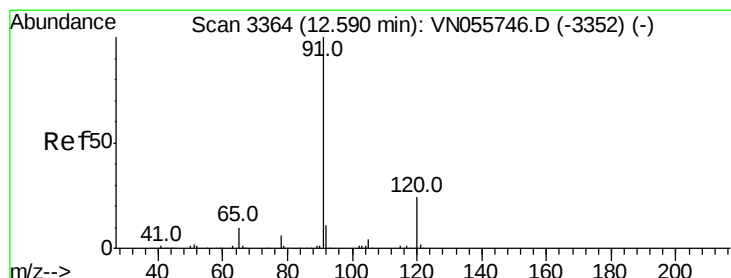
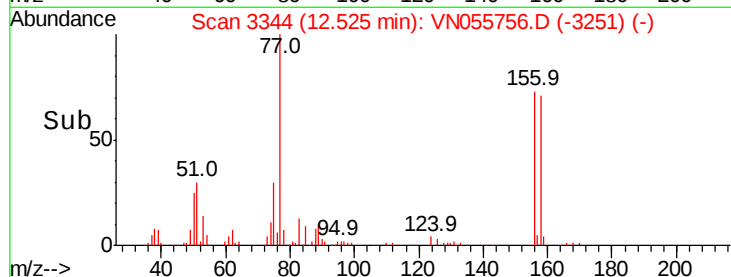
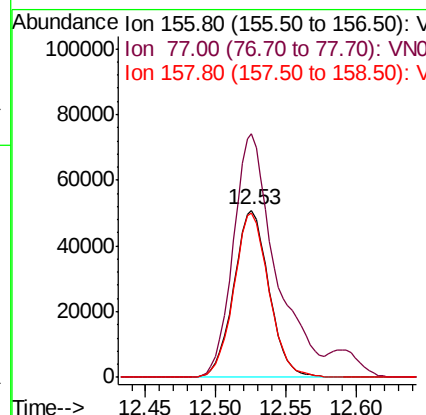
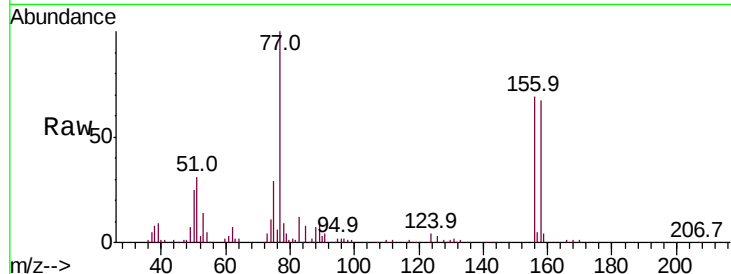
ClientSampleId :

VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 156     | 100   |       |       |
| 77      | 175.3 | 90.8  | 272.5 |
| 158     | 98.1  | 49.3  | 147.8 |

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#78

n-propylbenzene

Concen: 19.636 ug/l

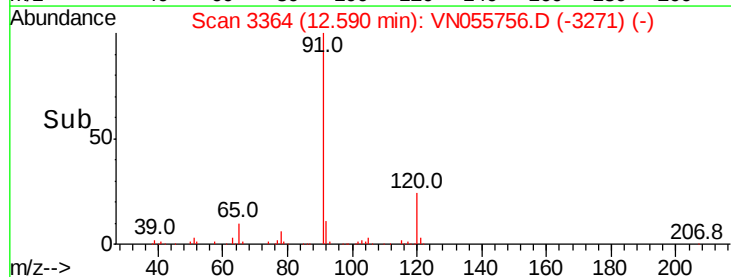
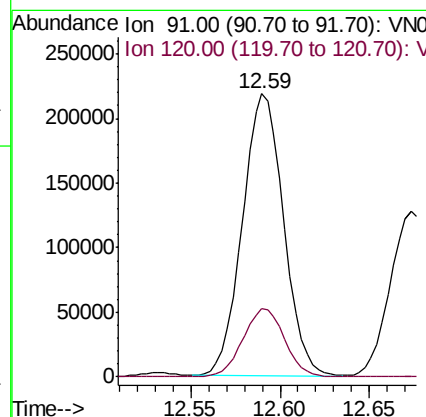
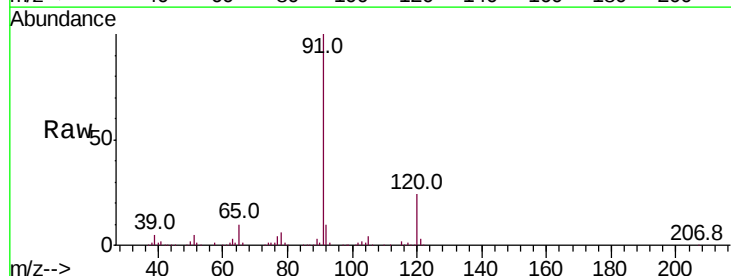
RT: 12.59 min Scan# 3364

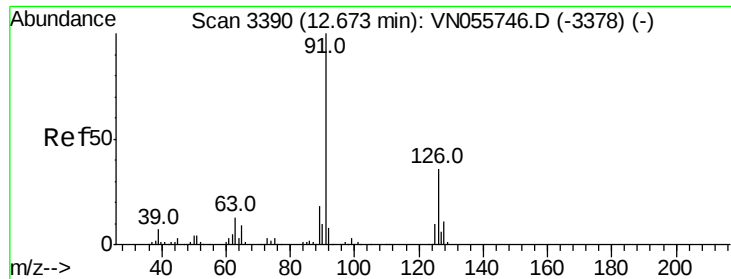
Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 120     | 24.6  | 12.0  | 36.0  |





#79

2-Chlorotoluene

Concen: 21.014 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion: 91 Resp: 216282

Ion Ratio Lower Upper

91 100

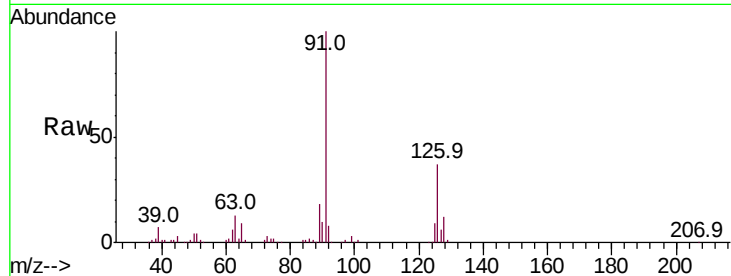
126 36.8 18.1 54.4

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Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055746.D (-3378) (-)

150000

100000

50000

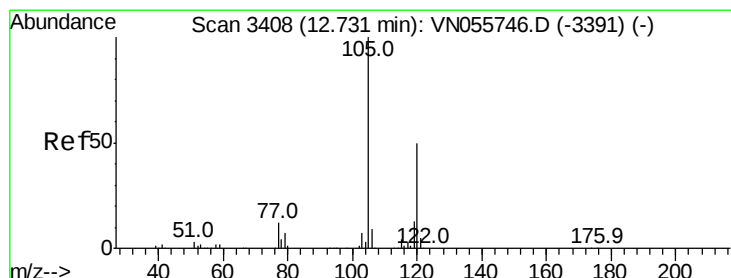
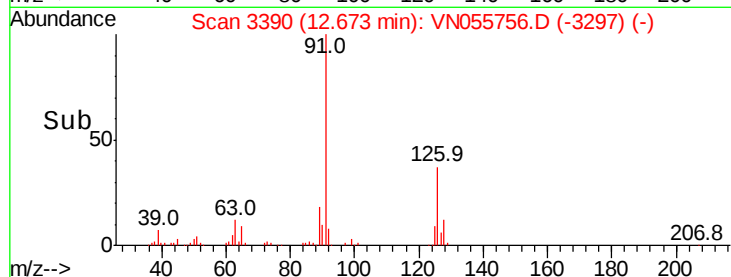
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.440 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055756.D

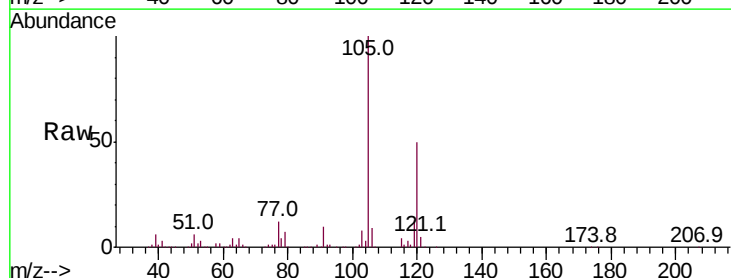
Acq: 23 May 2019 16:21

Tgt Ion:105 Resp: 281672

Ion Ratio Lower Upper

105 100

120 49.9 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN055746.D (-3391) (-)

200000

150000

100000

50000

0

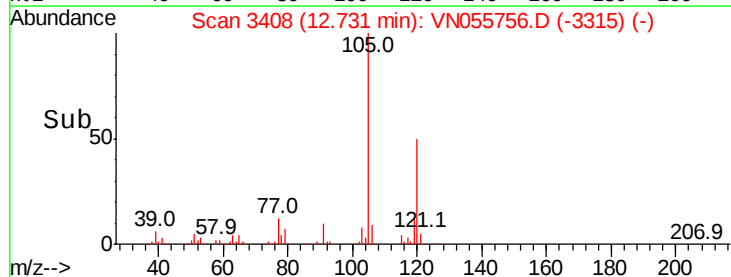
12.73

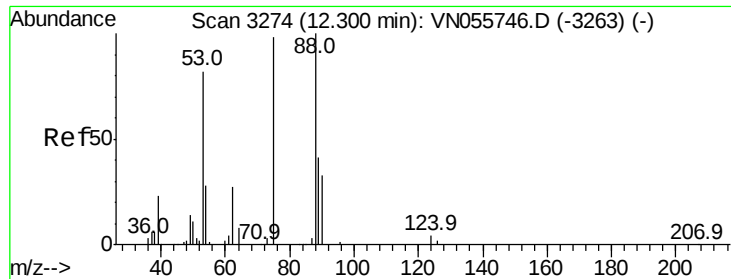
12.70

12.75

12.80

Time-->





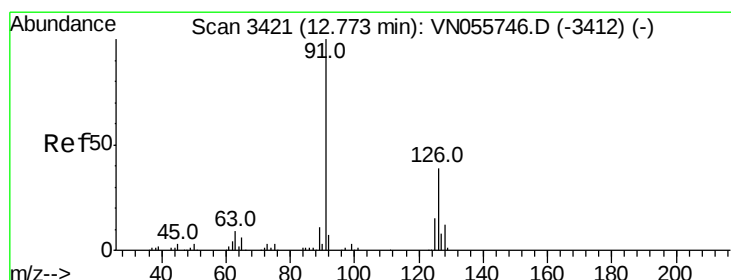
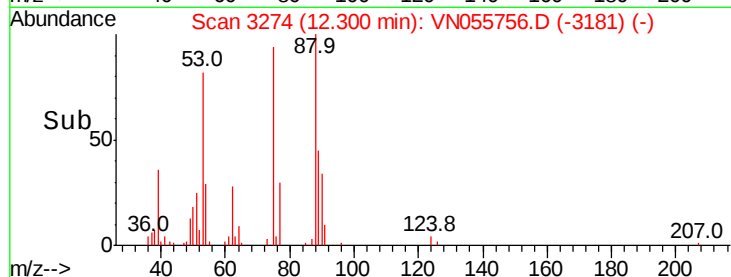
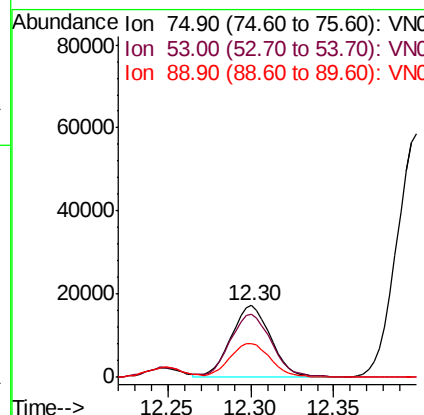
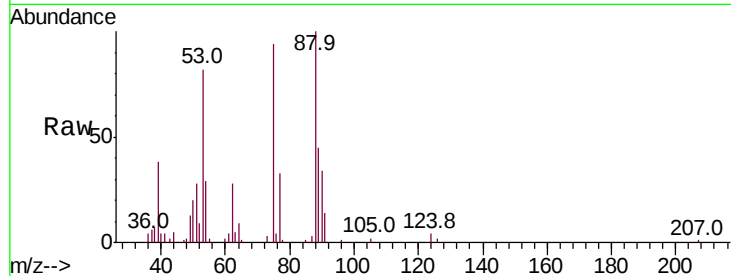
#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.181 ug/l  
RT: 12.30 min Scan# 3274  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 53      | 90.2  | 68.1  | 102.1 |
| 89      | 47.8  | 36.9  | 55.3  |

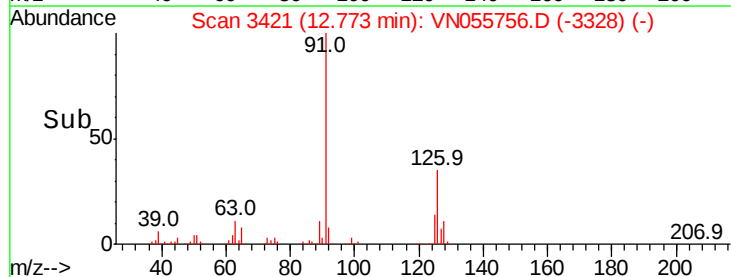
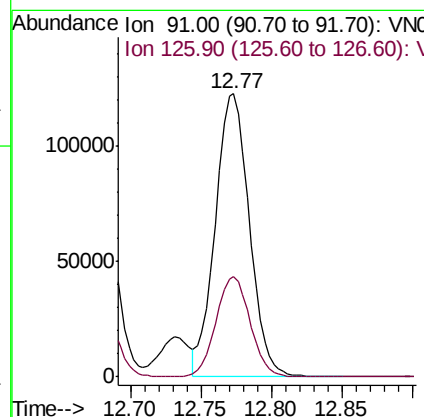
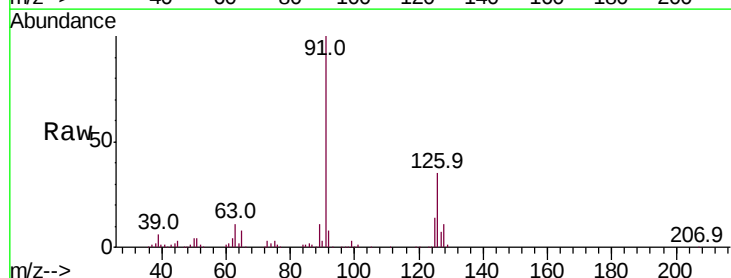
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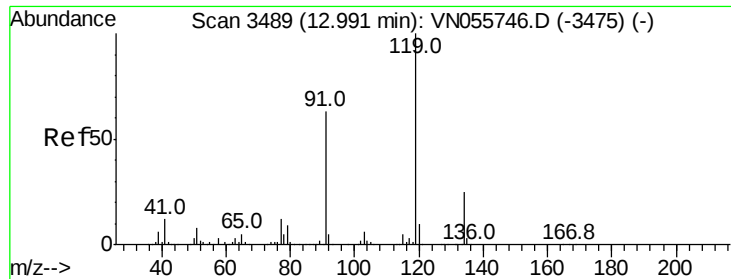
MMDadoda  
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#82  
4-Chlorotoluene  
Concen: 19.648 ug/l  
RT: 12.77 min Scan# 3421  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 126     | 35.5  | 17.8  | 53.3  |





#83

tert-Butylbenzene

Concen: 21.601 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

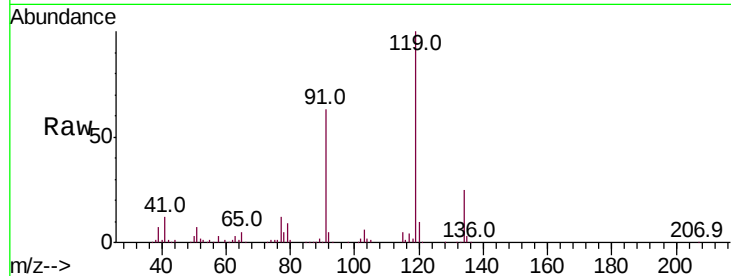
ClientSampleId :

VN0523WBS01

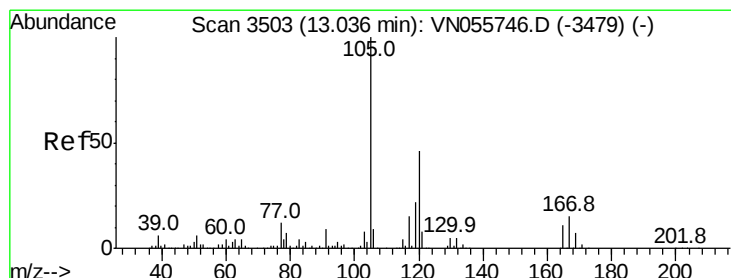
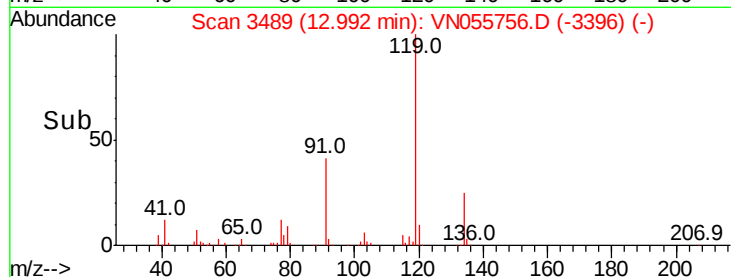
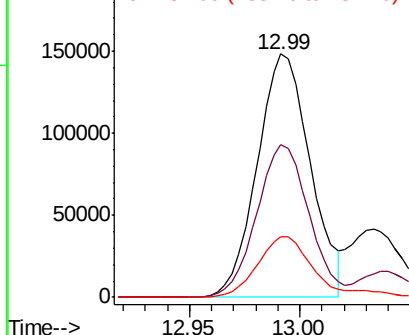
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 119   | Resp: | 247914 |
| Ion Ratio | Lower | Upper |        |
| 119       | 100   |       |        |
| 91        | 61.7  | 30.9  | 92.8   |
| 134       | 26.8  | 13.3  | 39.8   |

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Abundance Ion 119.00 (118.70 to 119.70): V  
Ion 91.00 (90.70 to 91.70): V  
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.007 ug/l

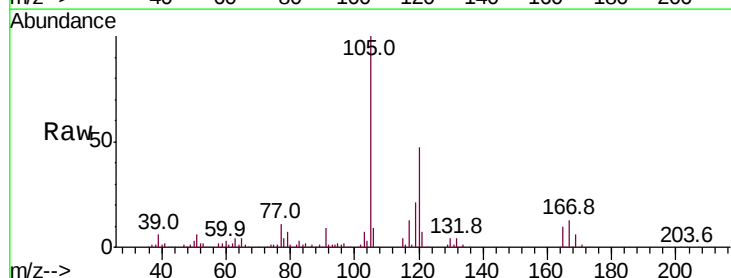
RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

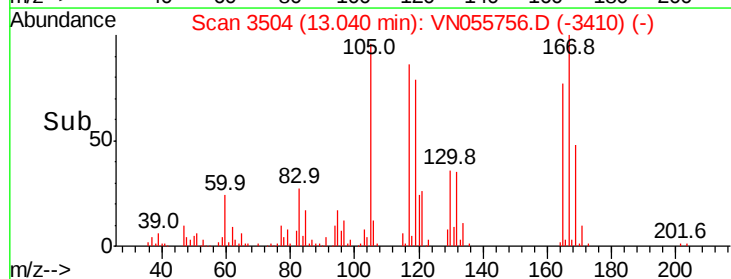
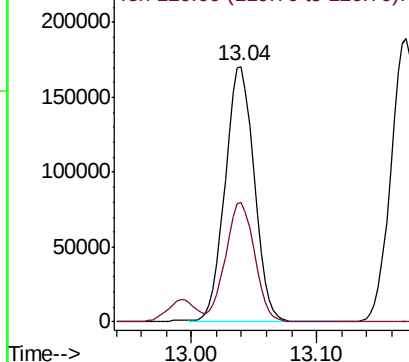
Lab File: VN055756.D

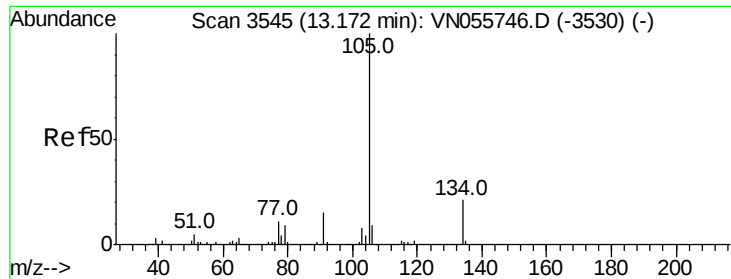
Acq: 23 May 2019 16:21

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 105   | Resp: | 274603 |
| Ion Ratio | Lower | Upper |        |
| 105       | 100   |       |        |
| 120       | 46.7  | 23.0  | 69.0   |



Abundance Ion 105.00 (104.70 to 105.70): V  
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.045 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

ClientSampleId :

VN0523WBS01

Tot Ion:105 Resp: 309903

Ion Ratio Lower Upper

105 100

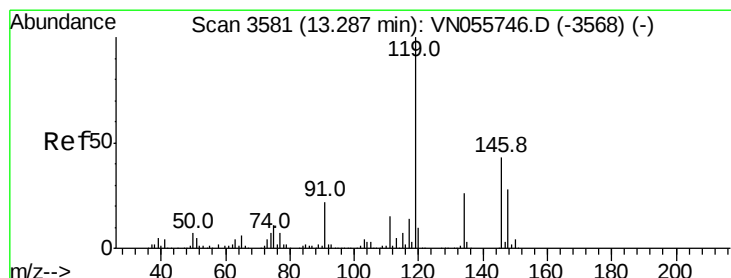
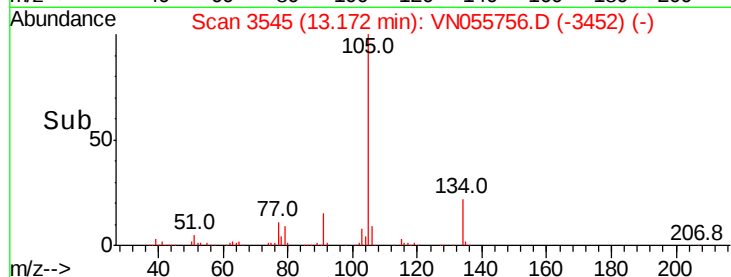
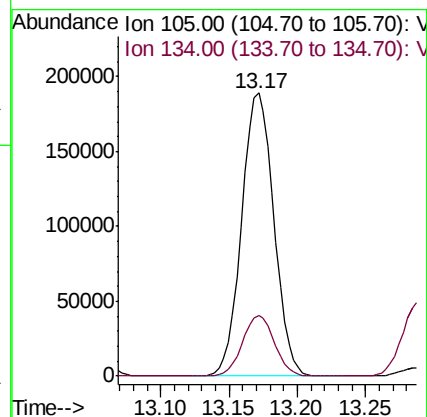
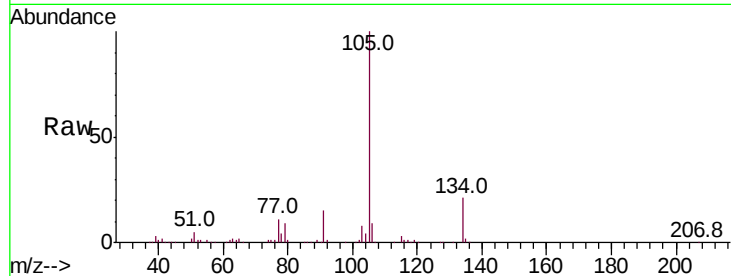
134 21.2 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 20.059 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

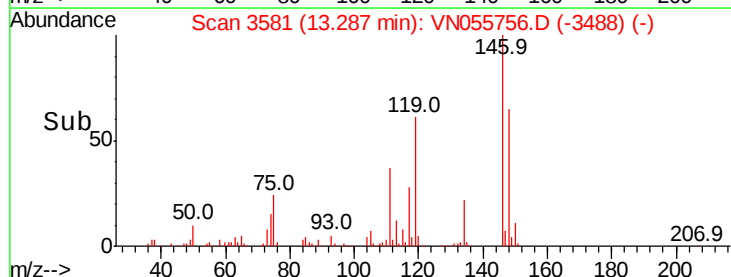
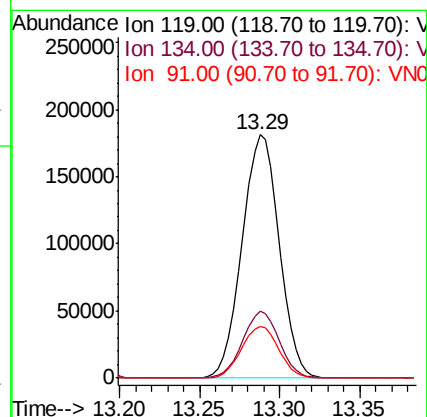
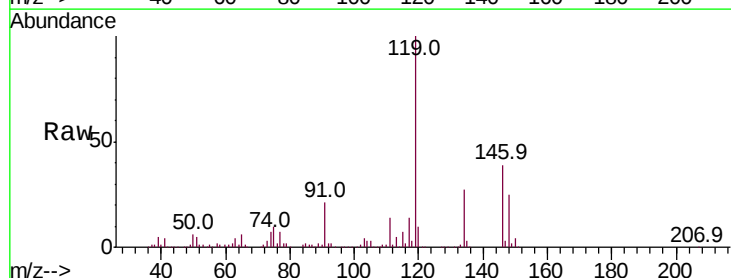
Tgt Ion:119 Resp: 286136

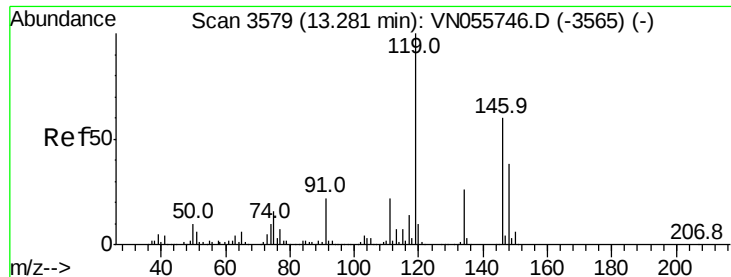
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.1

91 21.4 10.9 32.9





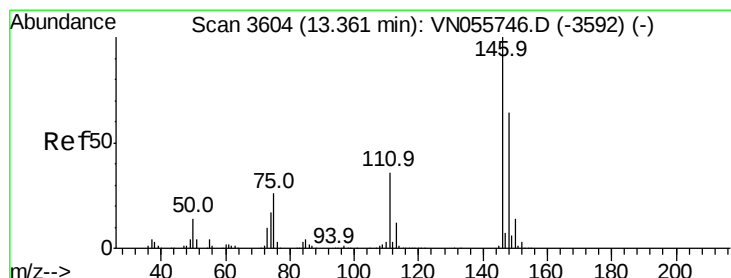
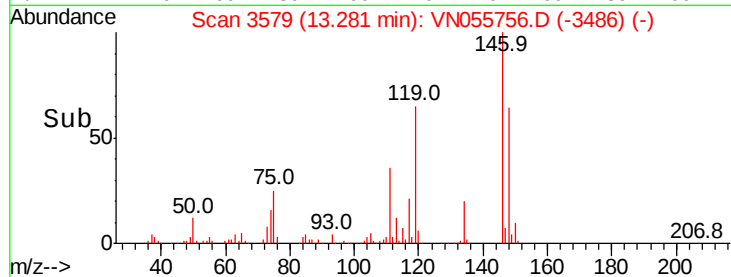
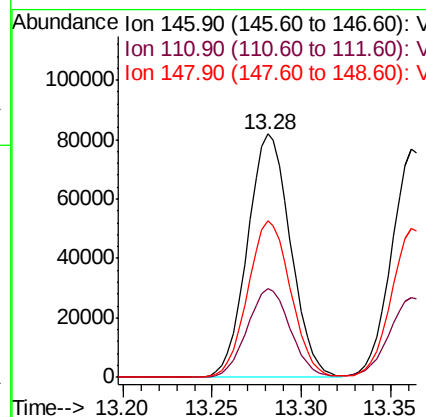
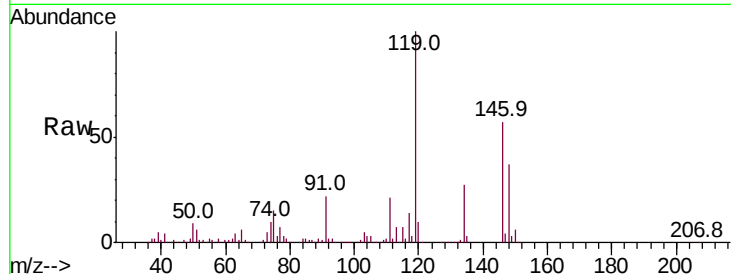
#87  
 1,3-Dichlorobenzene  
 Concen: 19.903 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 138136 |       |       |
| 111     | 36.5  | 18.5   | 55.5  |       |
| 148     | 64.1  | 32.0   | 96.2  |       |

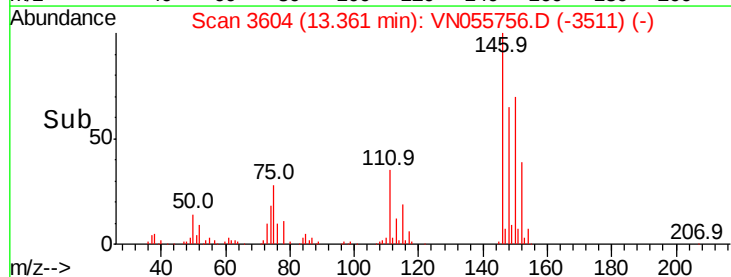
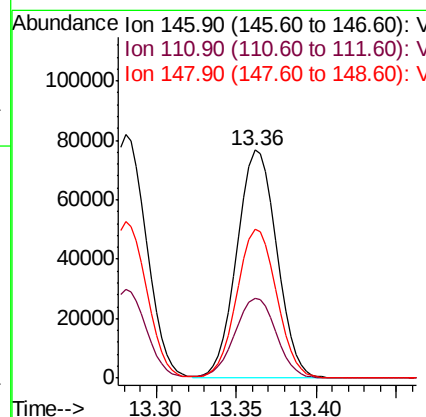
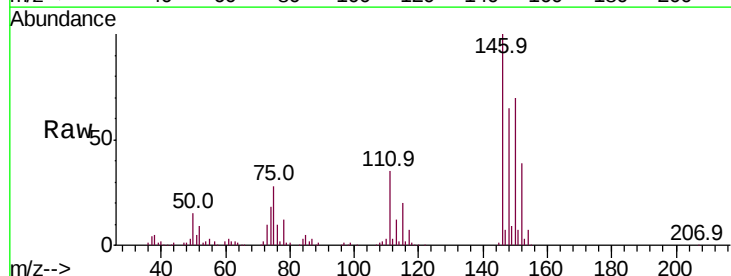
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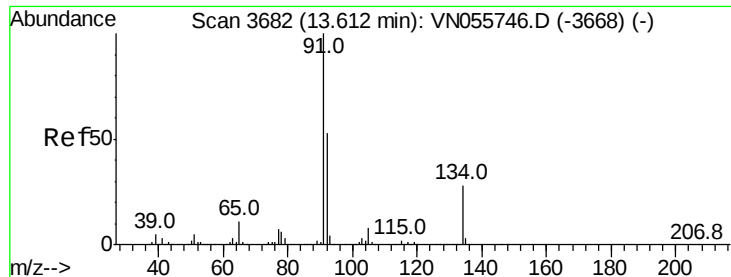
MMDadoda  
 5/24/2019 9:22:33 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 19.836 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 130890 |       |       |
| 111     | 36.6  | 18.1   | 54.4  |       |
| 148     | 65.3  | 32.1   | 96.5  |       |





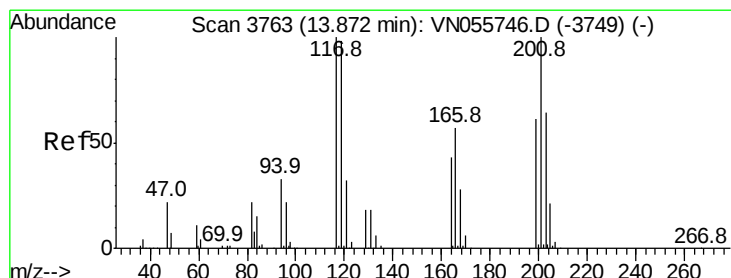
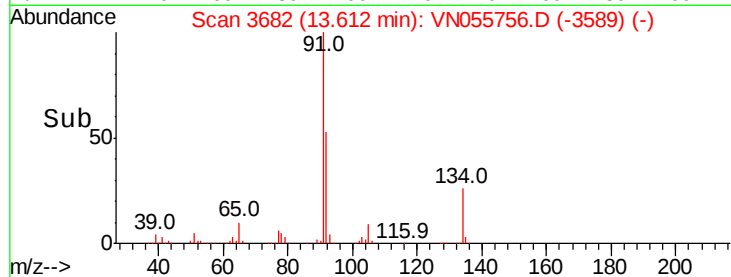
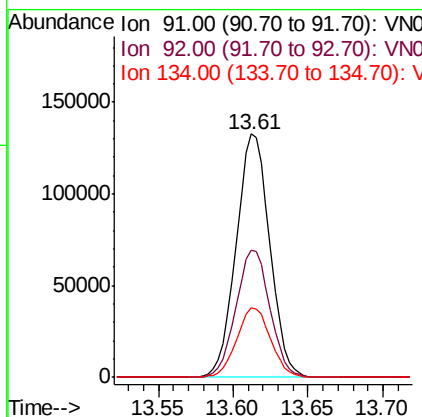
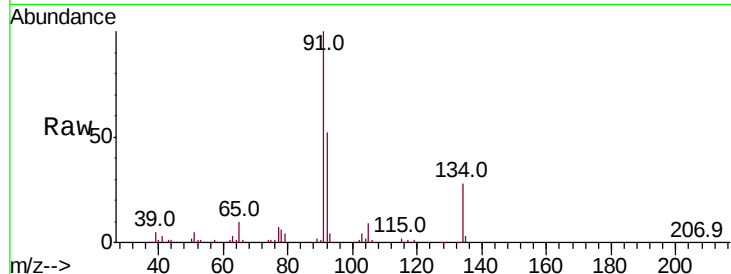
#89  
n-Butylbenzene  
Concen: 18.981 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 91      | 100   | 207451 |       |       |
| 92      | 53.0  |        | 26.4  | 79.0  |
| 134     | 28.7  |        | 13.9  | 41.7  |

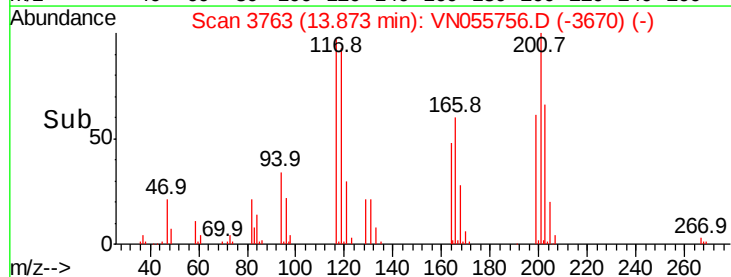
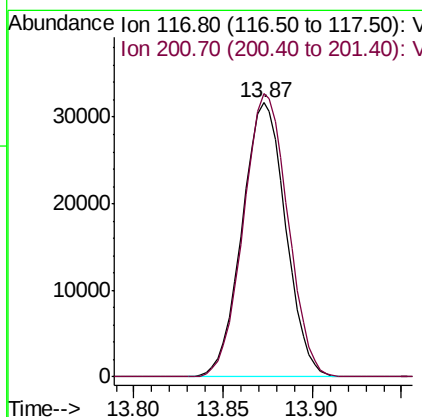
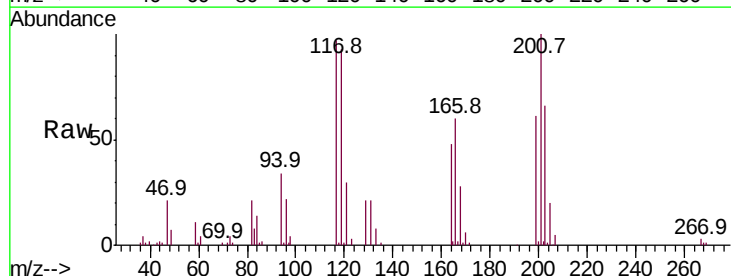
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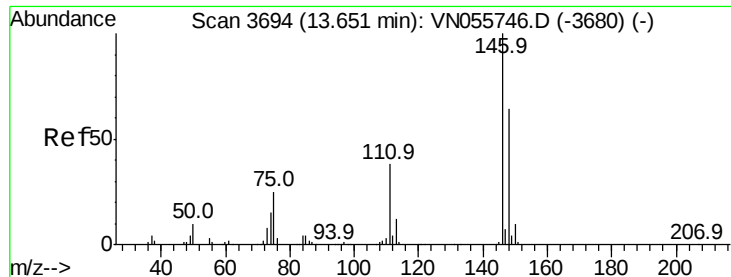
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#90  
Hexachloroethane  
Concen: 19.881 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 117     | 100   | 53978 |       |       |
| 201     | 105.3 |       | 50.0  | 150.0 |





#91

1,2-Dichlorobenzene

Concen: 20.248 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

Instrument :

MSVOA\_N

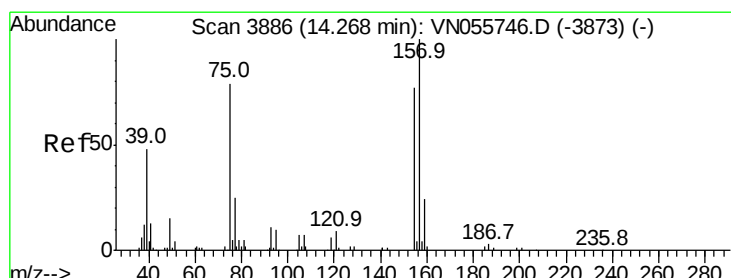
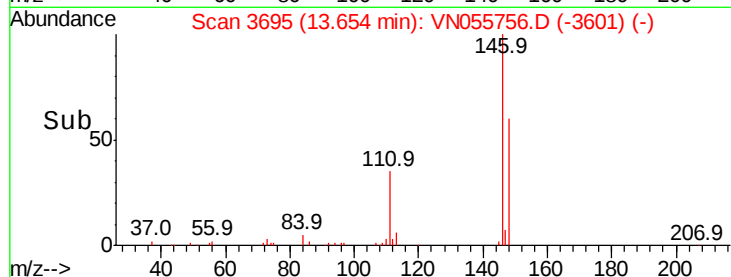
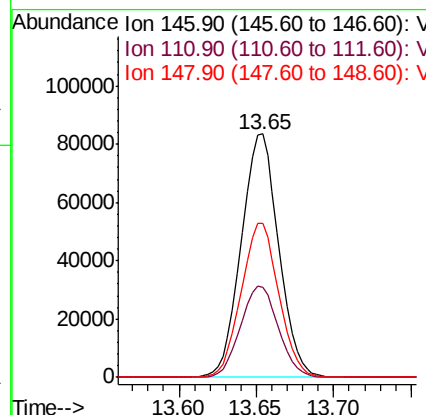
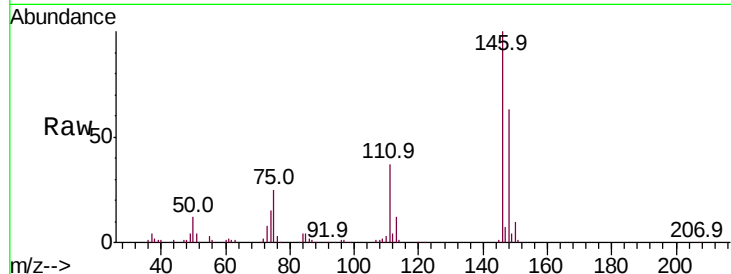
ClientSampleId :

VN0523WBS01

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 146   | Resp: | 140205 |
| Ion Ratio | Lower | Upper |        |
| 146       | 100   |       |        |
| 111       | 37.9  | 19.1  | 57.5   |
| 148       | 63.7  | 31.9  | 95.9   |

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.085 ug/l

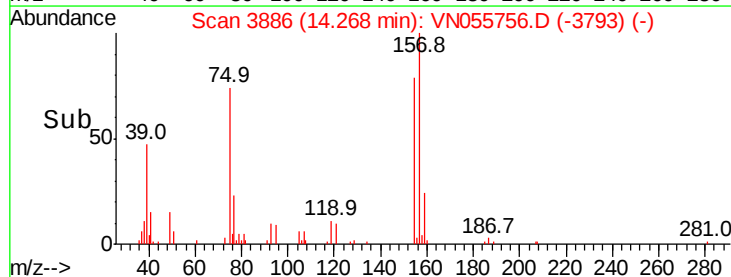
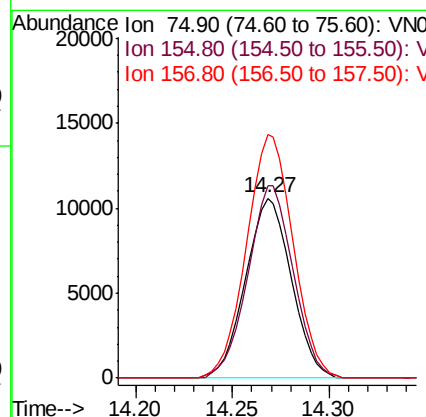
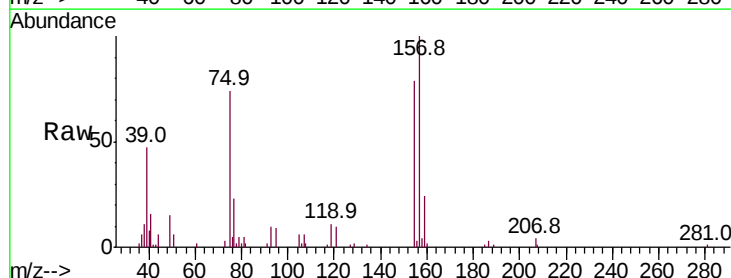
RT: 14.27 min Scan# 3886

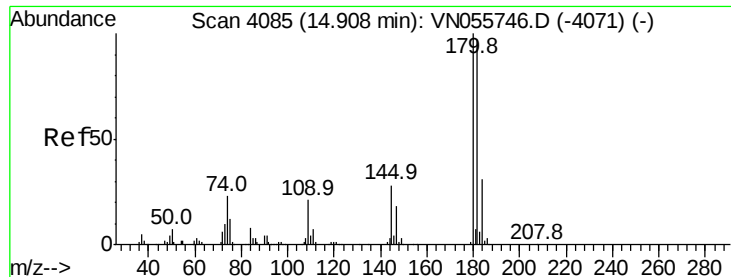
Delta R.T. 0.00 min

Lab File: VN055756.D

Acq: 23 May 2019 16:21

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 17370 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 106.1 | 50.0  | 150.1 |
| 157       | 138.2 | 64.8  | 194.3 |





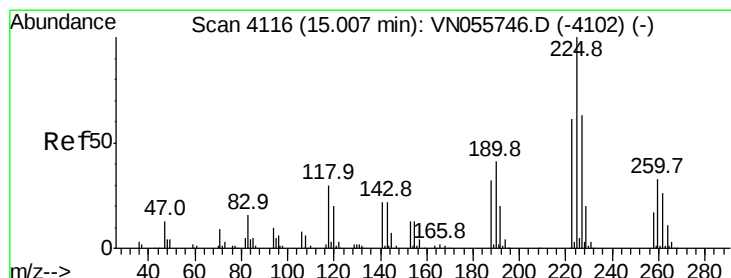
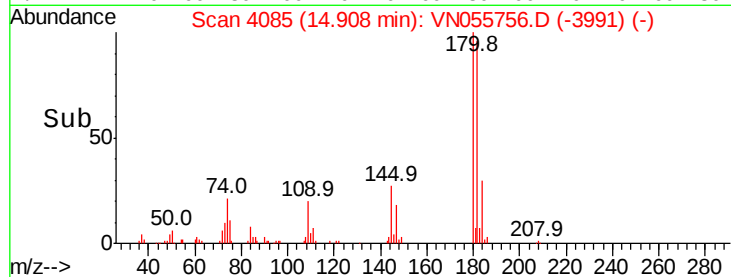
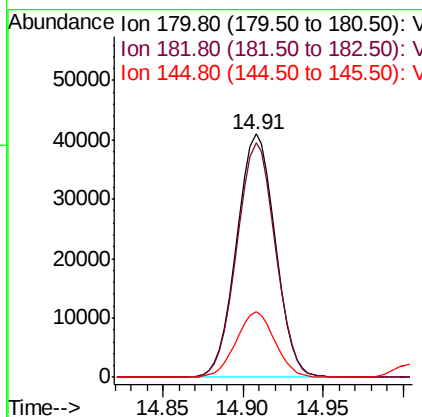
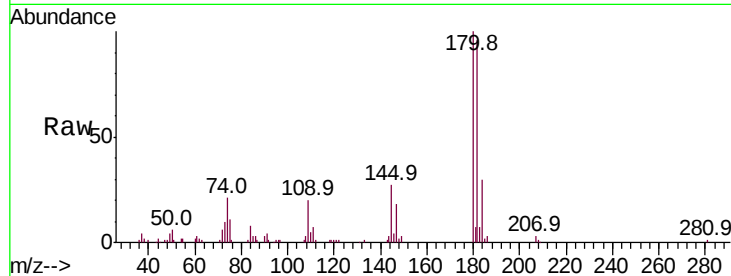
#93  
 1,2,4-Trichlorobenzene  
 Concen: 19.334 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0523WBS01

| Tot Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 180     | 100   | 67441 |       |       |
| 182     | 95.9  | 48.3  | 144.9 |       |
| 145     | 26.9  | 14.0  | 41.9  |       |

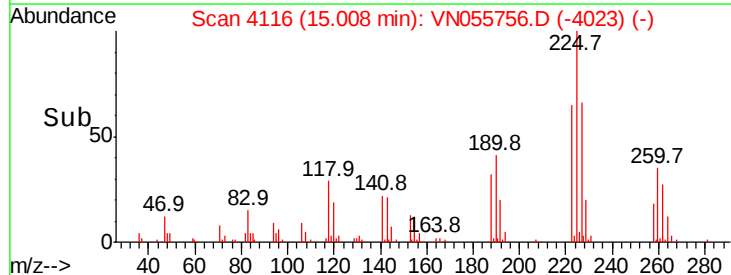
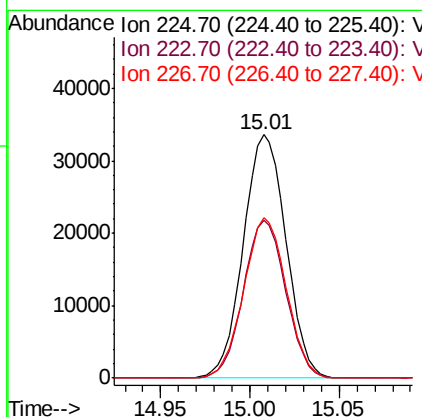
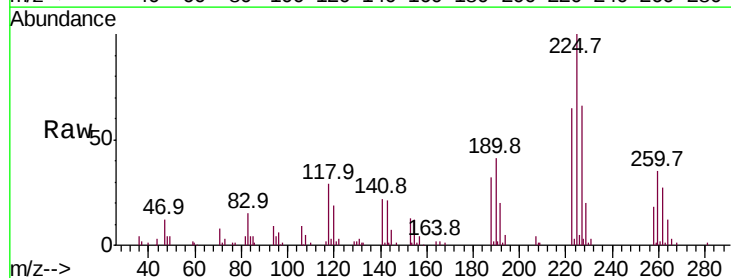
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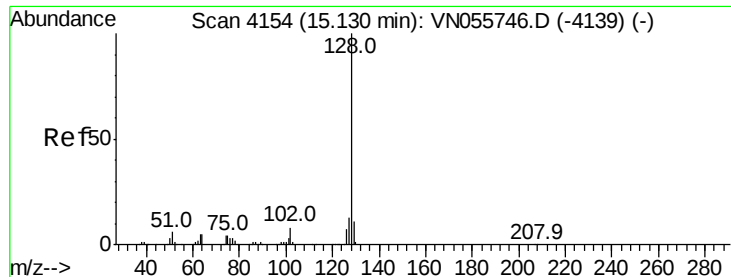
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#94  
 Hexachlorobutadiene  
 Concen: 22.048 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055756.D  
 Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Resp  | Lower | Upper |
|---------|-------|-------|-------|-------|
| 225     | 100   | 56218 |       |       |
| 223     | 64.2  | 30.9  | 92.7  |       |
| 227     | 65.5  | 31.6  | 94.7  |       |





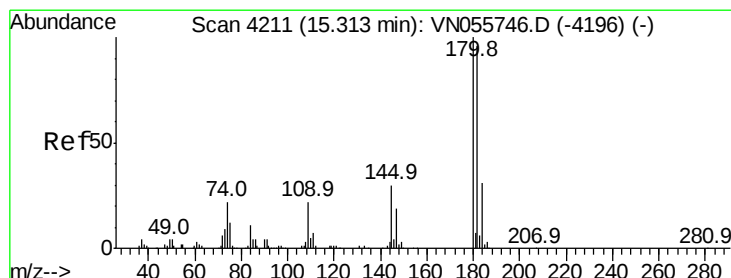
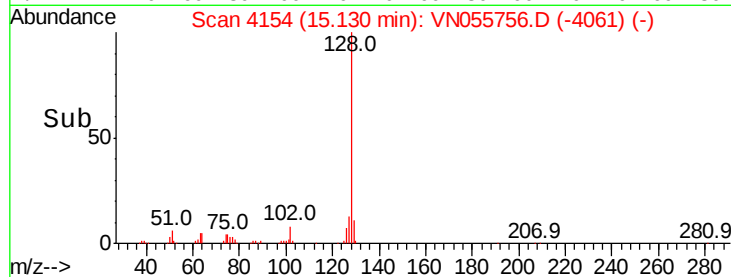
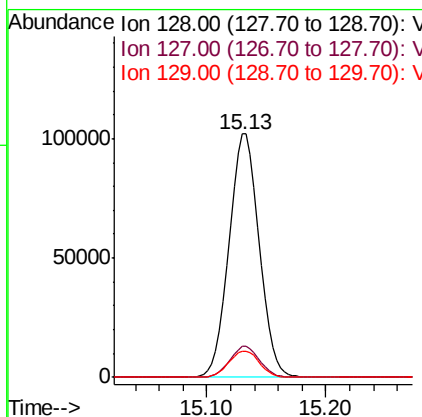
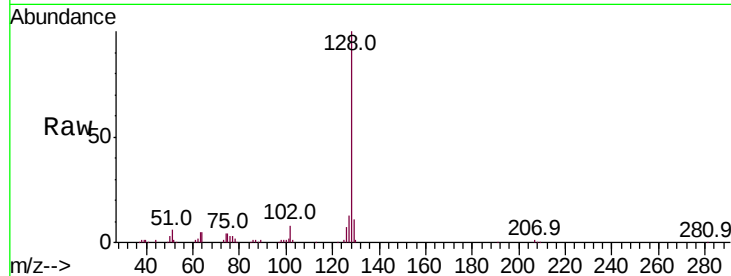
#95  
Naphthalene  
Concen: 18.876 ug/l  
RT: 15.13 min Scan# 4154  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0523WBS01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 12.6  | 10.3  | 15.5  |
| 129     | 11.0  | 8.7   | 13.1  |

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#96  
1,2,3-Trichlorobenzene  
Concen: 19.877 ug/l  
RT: 15.31 min Scan# 4211  
Delta R.T. 0.00 min  
Lab File: VN055756.D  
Acq: 23 May 2019 16:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 95.3  | 47.9  | 143.7 |
| 145     | 29.4  | 14.9  | 44.7  |

