

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060319\  
 Data File : VN055973.D  
 Acq On : 3 Jun 2019 20:05  
 Operator : JC/SP  
 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/4/2019 11:25:04 AM

Quant Time: Jun 04 03:22:57 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  | 303922   | 50.00   | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.58  | 114  | 444446   | 50.00   | ug/l    | 0.00     |
| 63) Chlorobenzene-d5          | 11.41 | 117  | 401437   | 50.00   | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.34 | 152  | 186056   | 50.00   | ug/l    | 0.00     |
| System Monitoring Compounds   |       |      |          |         |         |          |
| 33) 1,2-Dichloroethane-d4     | 8.02  | 65   | 161073   | 51.32   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 102.64% |          |
| 35) Dibromofluoromethane      | 7.59  | 113  | 142490   | 50.71   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 101.42% |          |
| 50) Toluene-d8                | 10.09 | 98   | 546816   | 50.73   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 101.46% |          |
| 62) 4-Bromofluorobenzene      | 12.40 | 95   | 194425   | 52.61   | ug/l    | 0.00     |
| Spiked Amount 50.000          |       |      | Recovery | =       | 105.22% |          |
| Target Compounds              |       |      |          |         |         |          |
|                               |       |      |          |         | Qvalue  |          |
| 2) Dichlorodifluoromethane    | 1.85  | 85   | 85684    | 41.890  | ug/l    | 99       |
| 3) Chloromethane              | 2.06  | 50   | 125809   | 43.900  | ug/l    | 100      |
| 4) Vinyl Chloride             | 2.18  | 62   | 134436   | 43.981  | ug/l    | 100      |
| 5) Bromomethane               | 2.52  | 94   | 106052m  | 55.458  | ug/l    |          |
| 6) Chloroethane               | 2.67  | 64   | 81388    | 44.225  | ug/l    | 100      |
| 7) Trichlorofluoromethane     | 3.00  | 101  | 185064   | 46.180  | ug/l    | 98       |
| 8) Diethyl Ether              | 3.40  | 74   | 85940    | 47.847  | ug/l    | 100      |
| 9) 1,1,2-Trichlorotrifluoroet | 3.74  | 101  | 120173   | 48.039  | ug/l    | 99       |
| 10) Methyl Iodide             | 3.93  | 142  | 191157   | 52.267  | ug/l    | 99       |
| 11) Tert butyl alcohol        | 4.82  | 59   | 152321m  | 253.998 | ug/l    |          |
| 12) 1,1-Dichloroethene        | 3.72  | 96   | 119105   | 46.080  | ug/l    | 97       |
| 13) Acrolein                  | 3.60  | 56   | 103782   | 241.687 | ug/l    | 98       |
| 14) Allyl chloride            | 4.31  | 41   | 204687   | 46.194  | ug/l    | 98       |
| 15) Acrylonitrile             | 4.99  | 53   | 368549   | 267.636 | ug/l    | 99       |
| 16) Acetone                   | 3.82  | 43   | 324291   | 235.046 | ug/l    | 100      |
| 17) Carbon Disulfide          | 4.03  | 76   | 241110   | 32.832  | ug/l    | 100      |
| 18) Methyl Acetate            | 4.32  | 43   | 162375   | 58.095  | ug/l    | 99       |
| 19) Methyl tert-butyl Ether   | 5.05  | 73   | 433371   | 50.271  | ug/l    | 100      |
| 20) Methylene Chloride        | 4.54  | 84   | 147644   | 49.413  | ug/l    | 97       |
| 21) trans-1,2-Dichloroethene  | 5.03  | 96   | 129371   | 46.588  | ug/l    | 98       |
| 22) Diisopropyl ether         | 5.95  | 45   | 441135   | 51.186  | ug/l    | 99       |
| 23) Vinyl Acetate             | 5.90  | 43   | 1813279  | 245.397 | ug/l    | 100      |
| 24) 1,1-Dichloroethane        | 5.84  | 63   | 245496   | 48.925  | ug/l    | 99       |
| 25) 2-Butanone                | 6.84  | 43   | 504994   | 262.083 | ug/l    | 99       |
| 26) 2,2-Dichloropropane       | 6.82  | 77   | 179032   | 41.226  | ug/l    | 98       |
| 27) cis-1,2-Dichloroethene    | 6.82  | 96   | 162675   | 50.212  | ug/l    | 98       |
| 28) Bromochloromethane        | 7.19  | 49   | 118346   | 49.537  | ug/l    | 100      |
| 29) Tetrahydrofuran           | 7.21  | 42   | 322863   | 264.595 | ug/l    | 100      |
| 30) Chloroform                | 7.37  | 83   | 253575   | 50.673  | ug/l    | 99       |
| 31) Cyclohexane               | 7.65  | 56   | 210499   | 44.682  | ug/l    | 100      |
| 32) 1,1,1-Trichloroethane     | 7.57  | 97   | 210892   | 47.226  | ug/l    | 99       |
| 36) 1,1-Dichloropropene       | 7.79  | 75   | 179447   | 46.331  | ug/l    | 100      |
| 37) Ethyl Acetate             | 6.93  | 43   | 195441   | 52.209  | ug/l    | 100      |
| 38) Carbon Tetrachloride      | 7.77  | 117  | 172197   | 42.682  | ug/l    | 98       |

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 Sample : VSTDCCC050  
 Misc : 5.00mL/MSVOA N/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleID :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

MMDadoda  
 6/4/2019 11:25:04 AM

Quant Time: Jun 04 03:22:57 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   | 213342   | 44.481   | ug/l   | 98       |
| 40) Benzene                    | 8.04  | 78   | 580320   | 49.715   | ug/l   | 100      |
| 41) Methacrylonitrile          | 7.18  | 41   | 95304    | 50.394   | ug/l   | 99       |
| 42) 1,2-Dichloroethane         | 8.12  | 62   | 186771   | 48.966   | ug/l   | 99       |
| 43) Isopropyl Acetate          | 8.17  | 43   | 313631   | 49.865   | ug/l # | 92       |
| 44) Trichloroethene            | 8.83  | 130  | 159965   | 49.156   | ug/l   | 100      |
| 45) 1,2-Dichloropropane        | 9.12  | 63   | 154309   | 50.738   | ug/l   | 99       |
| 46) Dibromomethane             | 9.21  | 93   | 100531   | 50.403   | ug/l   | 100      |
| 47) Bromodichloromethane       | 9.40  | 83   | 188514   | 46.093   | ug/l   | 98       |
| 48) Methyl methacrylate        | 9.20  | 41   | 153473   | 52.945   | ug/l   | 98       |
| 49) 1,4-Dioxane                | 9.20  | 88   | 66288    | 1100.440 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone       | 9.99  | 43   | 993371   | 267.421  | ug/l   | 100      |
| 52) Toluene                    | 10.15 | 92   | 369978   | 50.396   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene      | 10.38 | 75   | 203013   | 46.503   | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene    | 9.84  | 75   | 233017   | 48.182   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane      | 10.56 | 97   | 153783   | 52.288   | ug/l   | 99       |
| 56) Ethyl methacrylate         | 10.43 | 69   | 238739   | 52.524   | ug/l   | 99       |
| 57) 1,3-Dichloropropane        | 10.71 | 76   | 250761   | 52.454   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether  | 9.69  | 63   | 421539   | 242.676  | ug/l   | 100      |
| 59) 2-Hexanone                 | 10.75 | 43   | 692034   | 262.612  | ug/l   | 99       |
| 60) Dibromochloromethane       | 10.90 | 129  | 156943   | 45.807   | ug/l   | 100      |
| 61) 1,2-Dibromoethane          | 11.00 | 107  | 158478   | 51.949   | ug/l   | 99       |
| 64) Tetrachloroethene          | 10.63 | 164  | 162939   | 48.124   | ug/l   | 96       |
| 65) Chlorobenzene              | 11.43 | 112  | 405530   | 50.462   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane  | 11.51 | 131  | 148460   | 46.319   | ug/l   | 99       |
| 67) Ethyl Benzene              | 11.51 | 91   | 706974   | 49.057   | ug/l   | 98       |
| 68) m/p-Xylenes                | 11.62 | 106  | 538644   | 98.866   | ug/l   | 99       |
| 69) o-Xylene                   | 11.95 | 106  | 268181   | 49.614   | ug/l   | 100      |
| 70) Styrene                    | 11.96 | 104  | 448718   | 51.262   | ug/l   | 100      |
| 71) Bromoform                  | 12.13 | 173  | 113436   | 41.493   | ug/l # | 99       |
| 73) Isopropylbenzene           | 12.25 | 105  | 706560   | 53.577   | ug/l   | 100      |
| 74) N-amyl acetate             | 12.07 | 43   | 263119   | 52.331   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane  | 12.50 | 83   | 221763   | 57.042   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane     | 12.55 | 75   | 192712m  | 60.835   | ug/l   |          |
| 77) Bromobenzene               | 12.53 | 156  | 191140   | 48.143   | ug/l   | 98       |
| 78) n-propylbenzene            | 12.59 | 91   | 758526   | 46.907   | ug/l   | 99       |
| 79) 2-Chlorotoluene            | 12.67 | 91   | 461590   | 53.154   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene     | 12.73 | 105  | 583697   | 52.525   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-buten | 12.30 | 75   | 56361    | 40.758   | ug/l   | 92       |
| 82) 4-Chlorotoluene            | 12.77 | 91   | 453302   | 47.688   | ug/l   | 99       |
| 83) tert-Butylbenzene          | 12.99 | 119  | 514341   | 53.633   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene     | 13.04 | 105  | 577797   | 52.047   | ug/l   | 99       |
| 85) sec-Butylbenzene           | 13.17 | 105  | 667564   | 53.463   | ug/l   | 99       |
| 86) p-Isopropyltoluene         | 13.29 | 119  | 604298   | 46.769   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene        | 13.28 | 146  | 311294   | 49.517   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene        | 13.36 | 146  | 297940   | 49.848   | ug/l   | 100      |
| 89) n-Butylbenzene             | 13.61 | 91   | 468755   | 47.349   | ug/l   | 100      |
| 90) Hexachloroethane           | 13.87 | 117  | 94237    | 38.318   | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene        | 13.65 | 146  | 315135   | 50.244   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropropan | 14.27 | 75   | 36862    | 44.714   | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.00mL/MSVOA N/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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6/4/2019 11:25:04 AM

Quant Time: Jun 04 03:22:57 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  | 162952   | 45.508 | ug/l  | 99       |
| 94) Hexachlorobutadiene    | 15.01 | 225  | 110144   | 49.895 | ug/l  | 99       |
| 95) Naphthalene            | 15.13 | 128  | 443792   | 51.563 | ug/l  | 100      |
| 96) 1,2,3-Trichlorobenzene | 15.31 | 180  | 174874   | 52.744 | ug/l  | 99       |

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

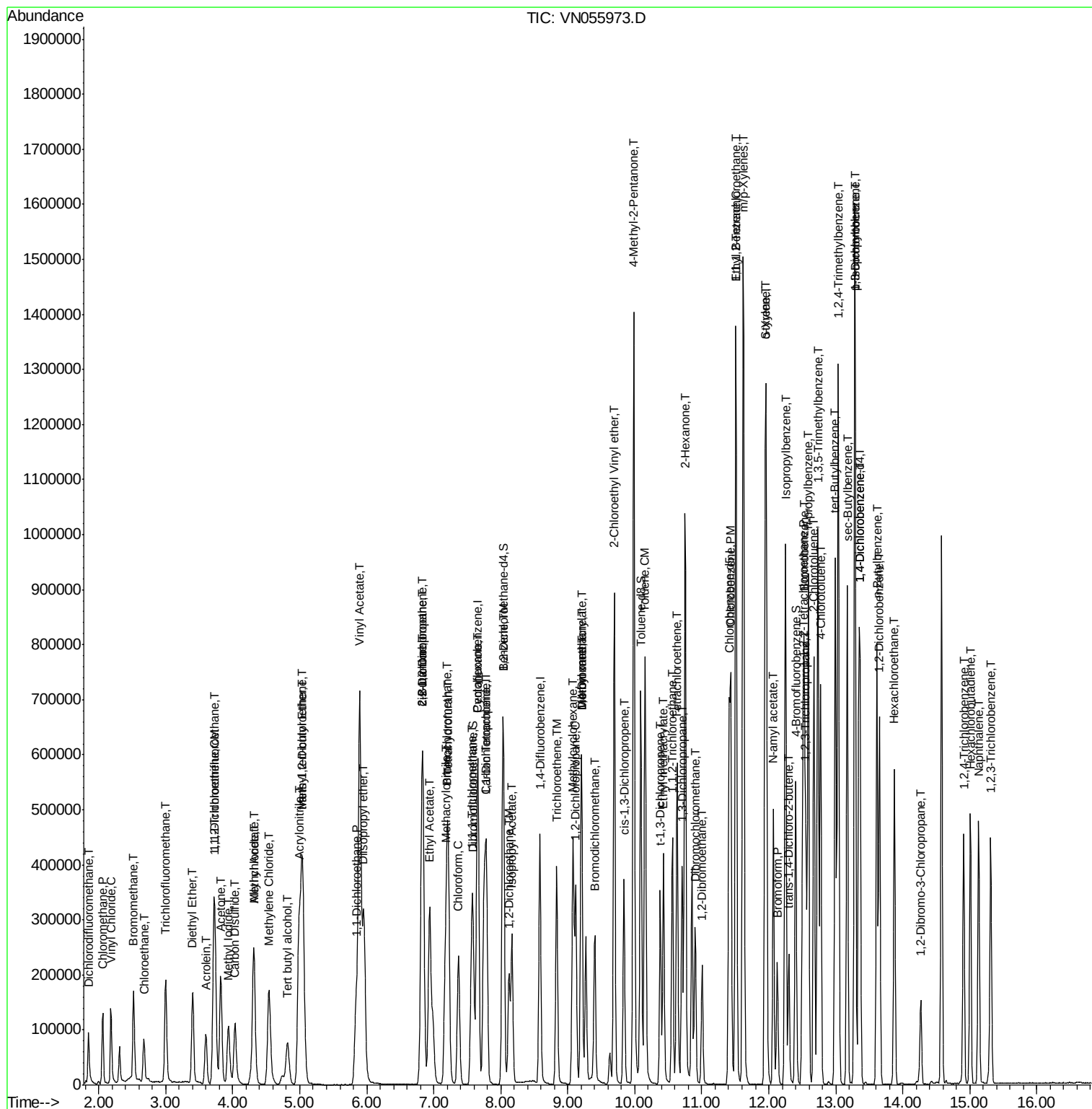
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN060319\  
Data File : VN055973.D  
Acq On : 3 Jun 2019 20:05  
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Sample : VSTDCCC050  
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ALS Vial : 25 Sample Multiplier: 1

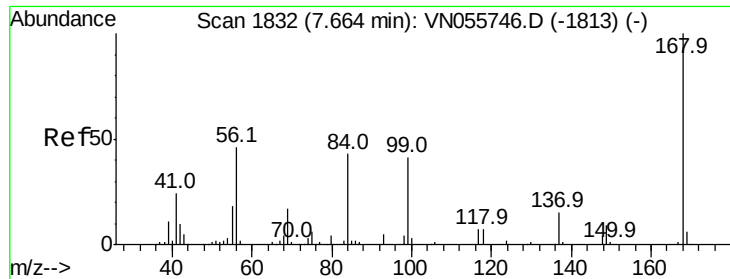
Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
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6/4/2019 11:25:04 AM

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Quant Title : SW846 8260  
QLast Update : Fri May 24 06:41:54 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 303922

Ion Ratio Lower Upper

168 100

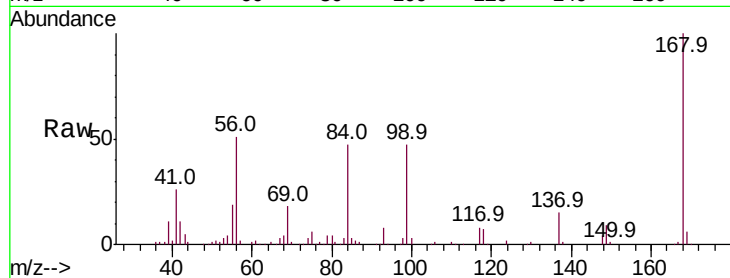
99 46.9 37.2 55.8

Manual Integrations

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6/4/2019 11:25:04 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

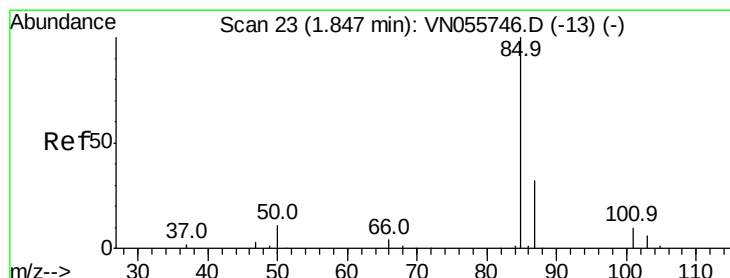
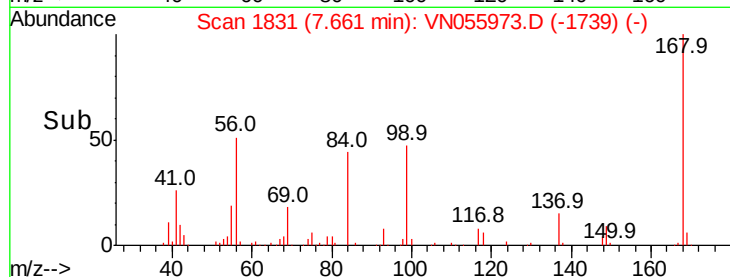
7.66

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 41.890 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055973.D

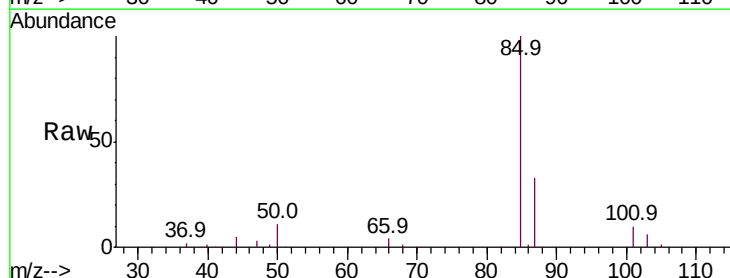
Acq: 3 Jun 2019 20:05

Tgt Ion: 85 Resp: 85684

Ion Ratio Lower Upper

85 100

87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

60000

50000

40000

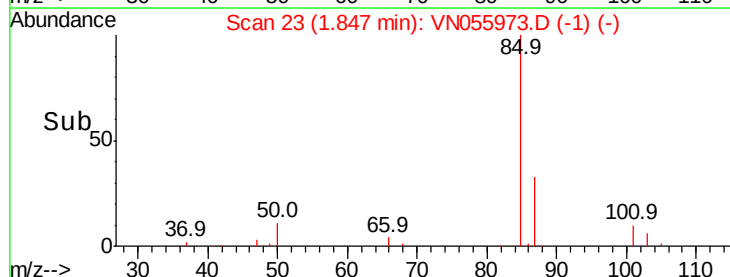
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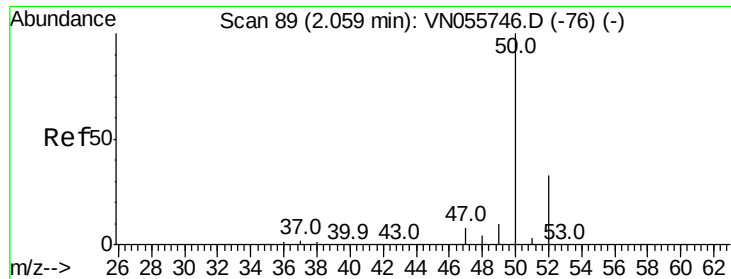
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10000

0

Time-->





#3

Chloromethane

Concen: 43.900 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 125809

Ion Ratio Lower Upper

50 100

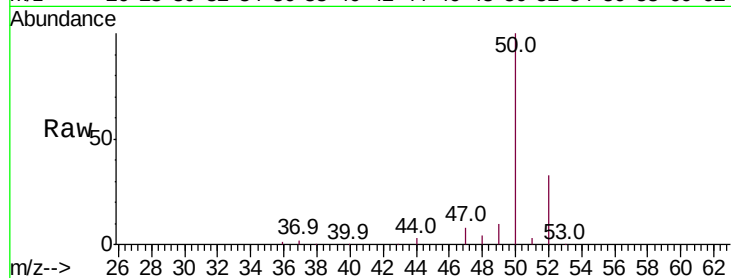
52 33.3 26.6 40.0

Manual Integrations

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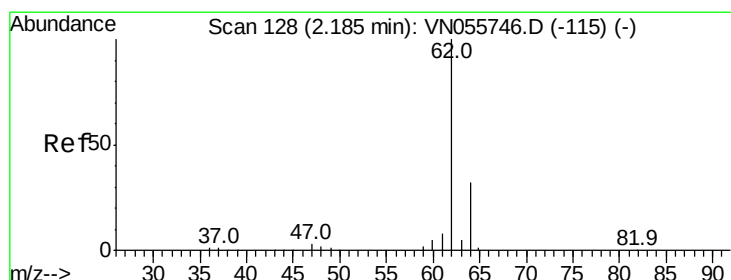
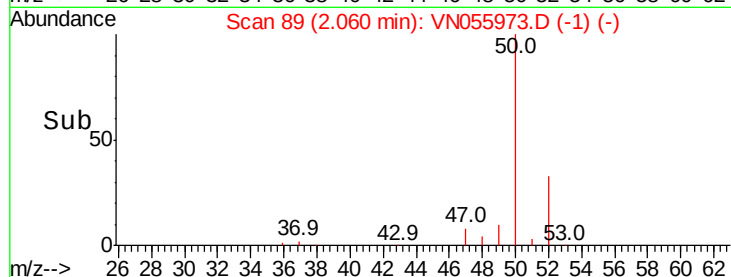
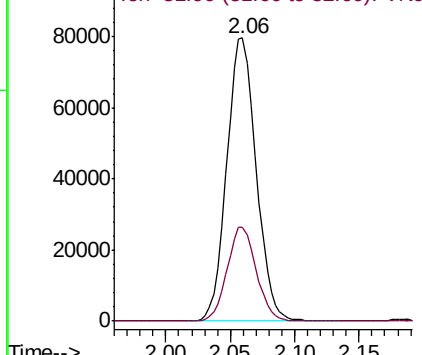
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Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC



#4

Vinyl Chloride

Concen: 43.981 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN055973.D

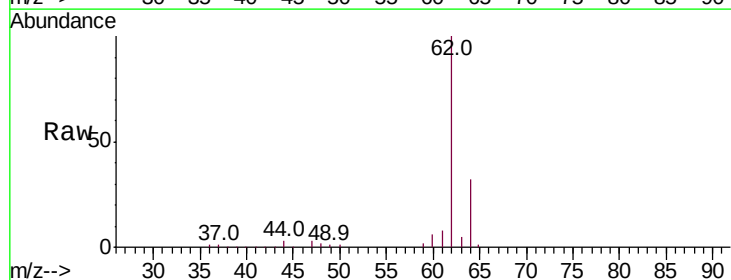
Acq: 3 Jun 2019 20:05

Tgt Ion: 62 Resp: 134436

Ion Ratio Lower Upper

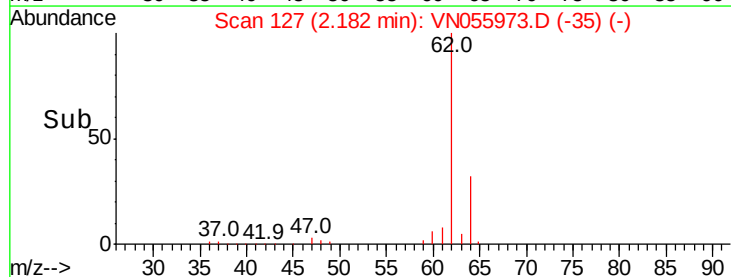
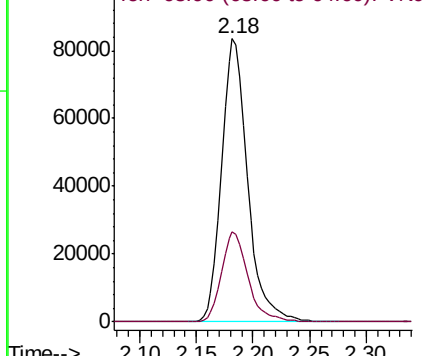
62 100

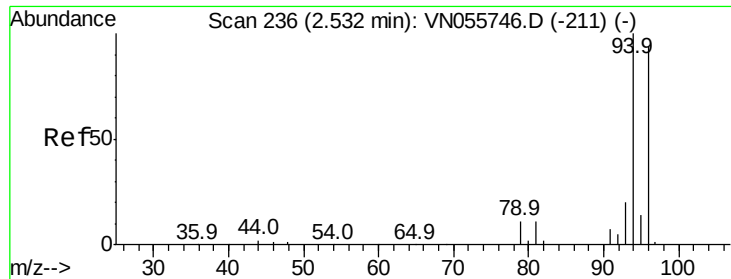
64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC





#5

Bromomethane

Concen: 55.458 ug/l m

RT: 2.52 min Scan# 232

Delta R.T. -0.01 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 106052

Ion Ratio Lower Upper

94 100

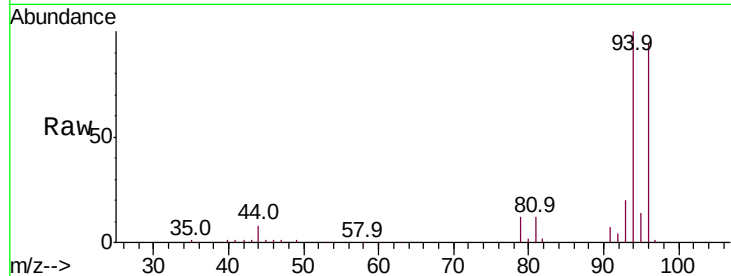
96 93.7 75.5 113.3

Manual Integrations

APPROVED

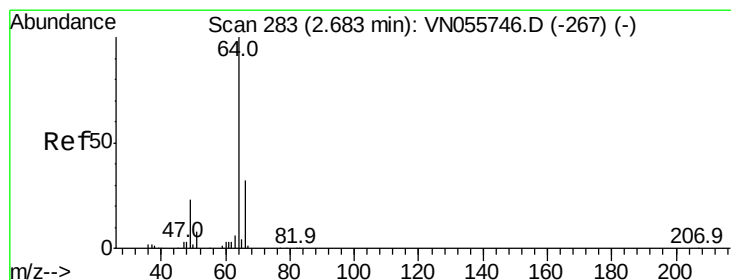
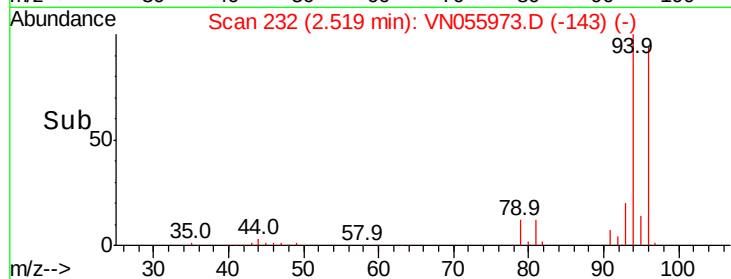
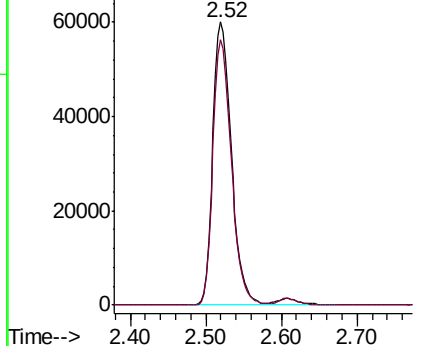
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 44.225 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN055973.D

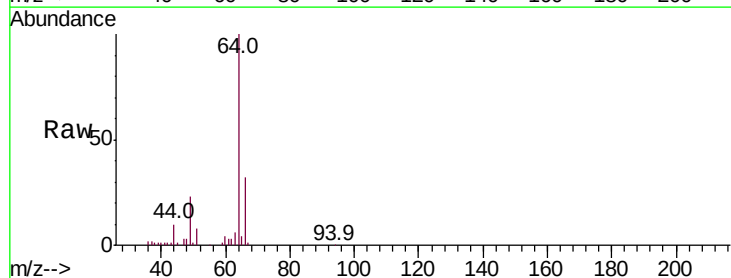
Acq: 3 Jun 2019 20:05

Tgt Ion: 64 Resp: 81388

Ion Ratio Lower Upper

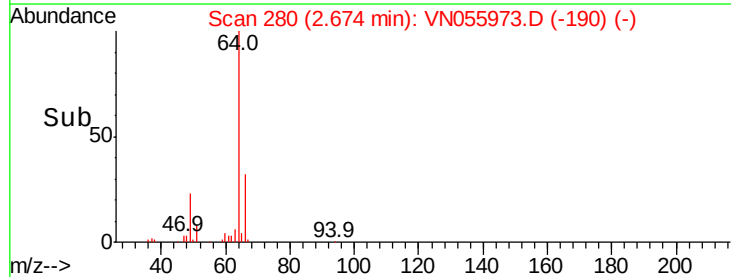
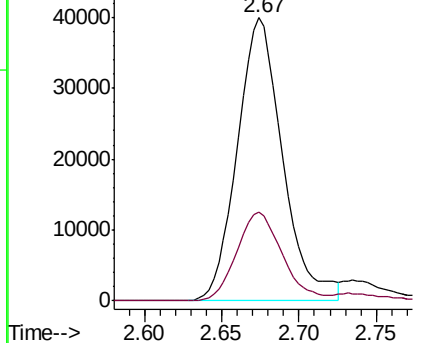
64 100

66 31.5 25.4 38.0

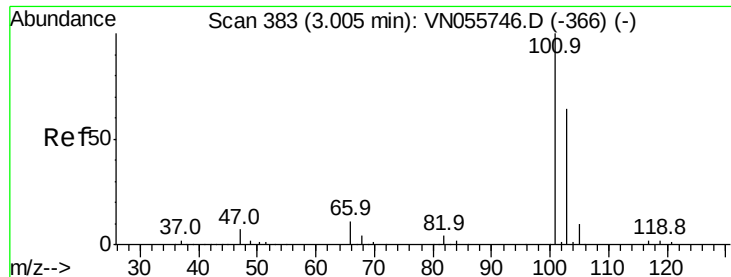


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0







#7

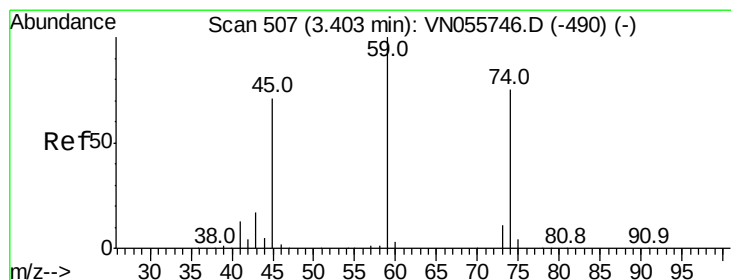
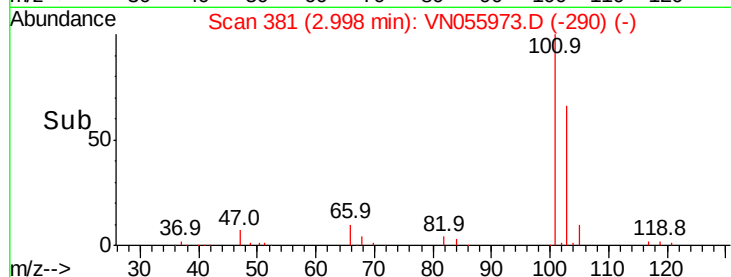
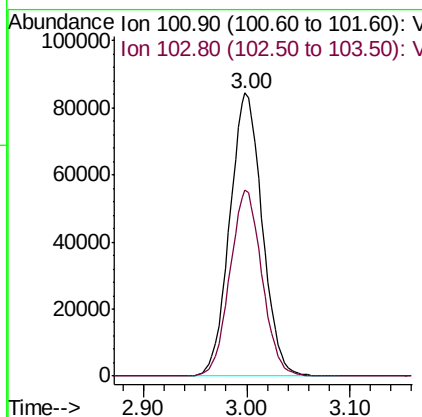
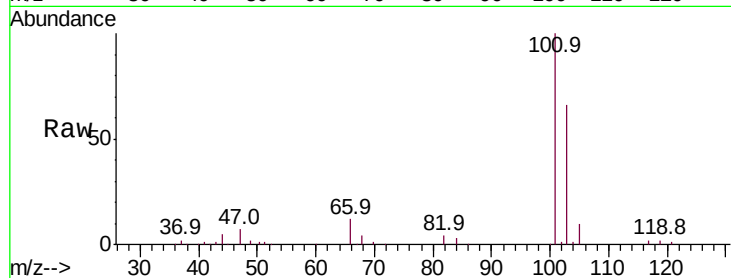
Trichlorofluoromethane  
 Concen: 46.180 ug/l  
 RT: 3.00 min Scan# 381  
 Delta R.T. -0.01 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 103     | 65.7  | 51.2  | 76.8  |

Manual Integrations  
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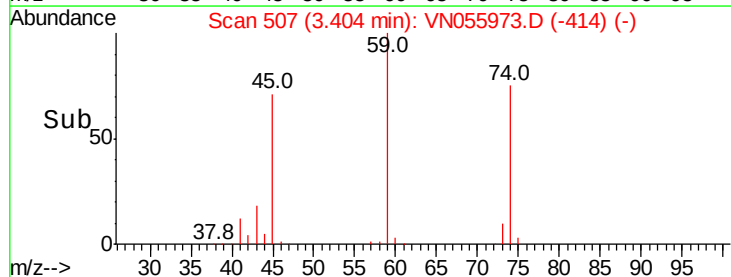
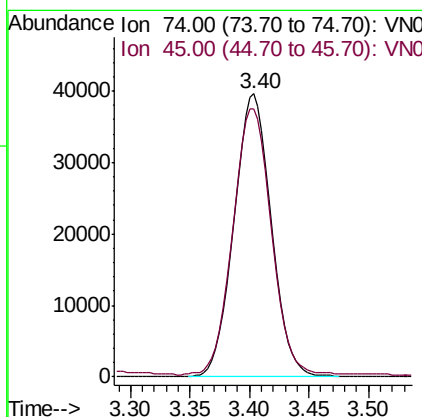
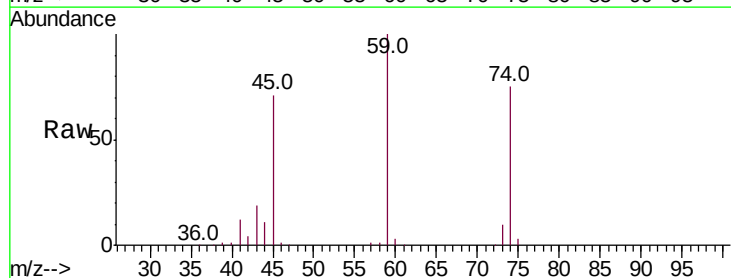
MMDadoda  
 6/4/2019 11:25:04 AM



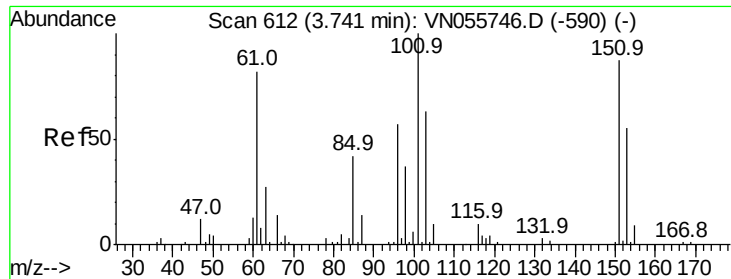
#8

Diethyl Ether  
 Concen: 47.847 ug/l  
 RT: 3.40 min Scan# 507  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 74      | 100   |       |       |
| 45      | 96.9  | 48.6  | 145.9 |







#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.039 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

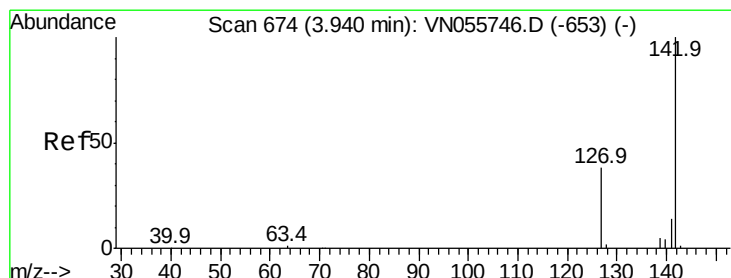
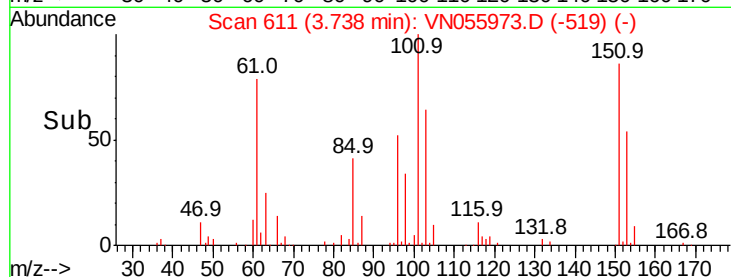
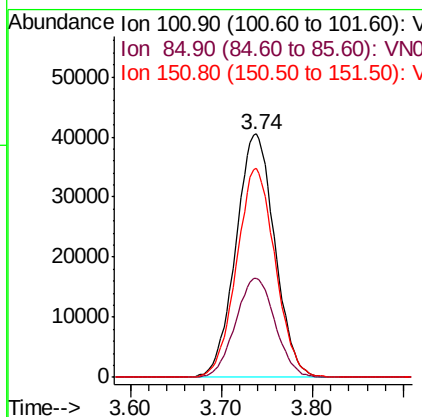
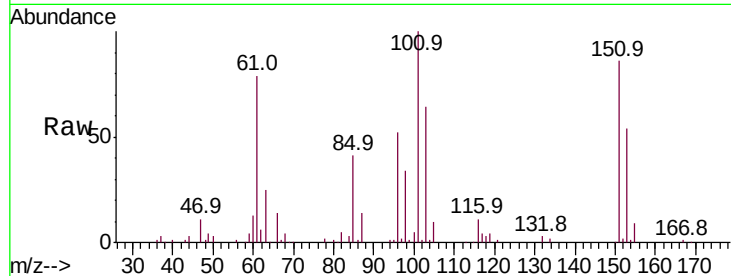
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 101   | Resp: | 120173 |
| Ion Ratio | Lower | Upper |        |
| 101       | 100   |       |        |
| 85        | 41.3  | 33.4  | 50.2   |
| 151       | 85.3  | 69.4  | 104.2  |

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#10

Methyl Iodide

Concen: 52.267 ug/l

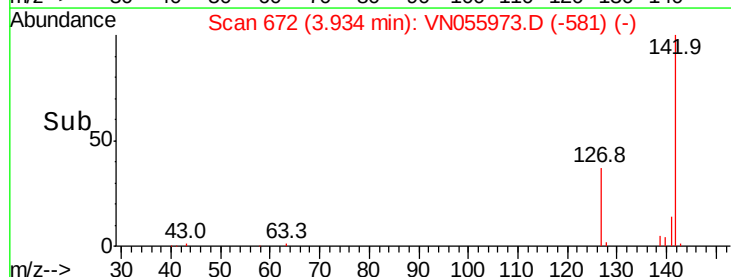
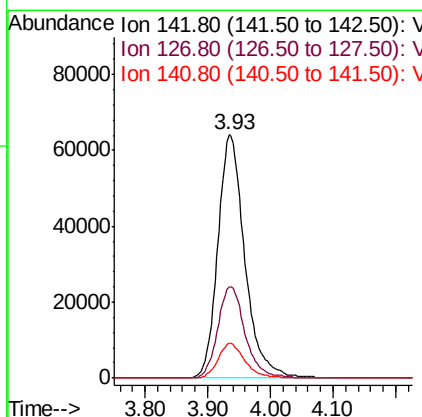
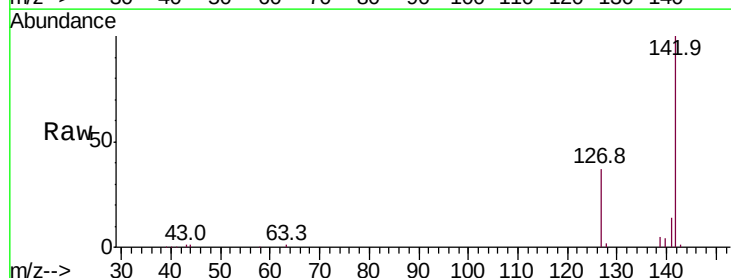
RT: 3.93 min Scan# 672

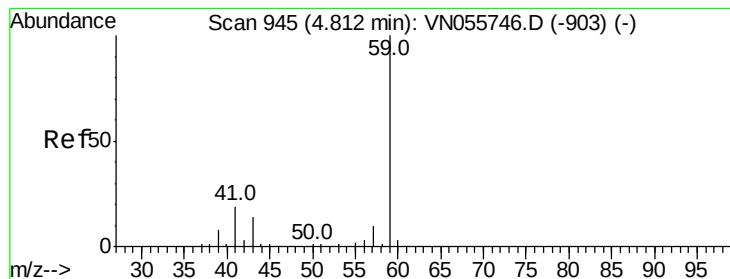
Delta R.T. -0.01 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 142   | Resp: | 191157 |
| Ion Ratio | Lower | Upper |        |
| 142       | 100   |       |        |
| 127       | 38.0  | 31.0  | 46.4   |
| 141       | 14.2  | 11.4  | 17.0   |





#11

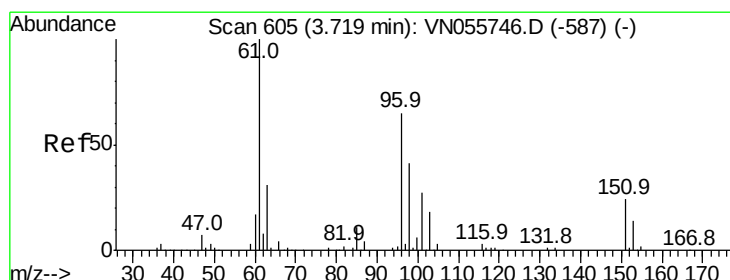
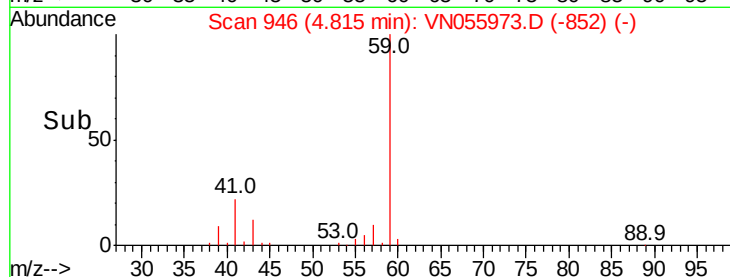
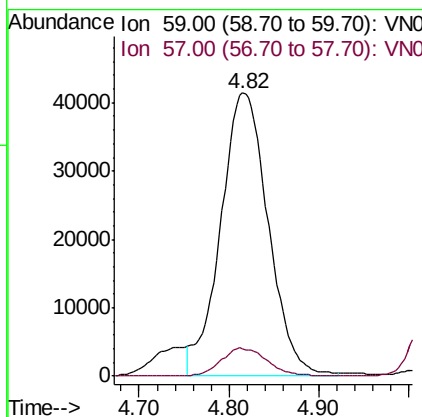
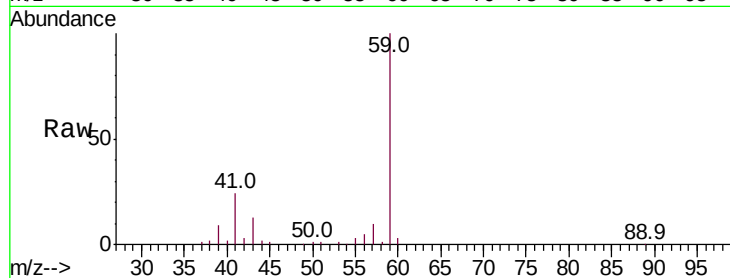
Tert butyl alcohol  
 Concen: 253.998 ug/l m  
 RT: 4.82 min Scan# 946  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 59      | 100   |       |       |
| 57      | 9.6   | 7.8   | 11.6  |

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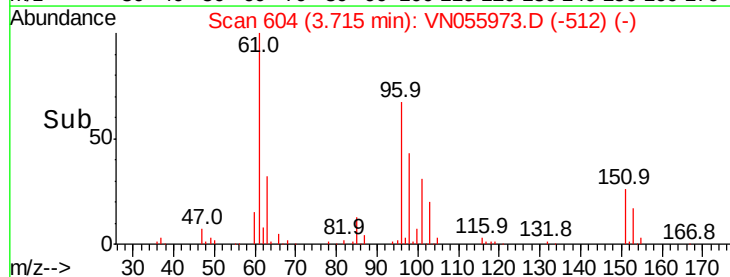
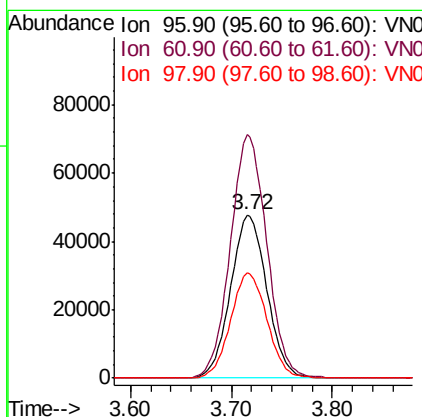
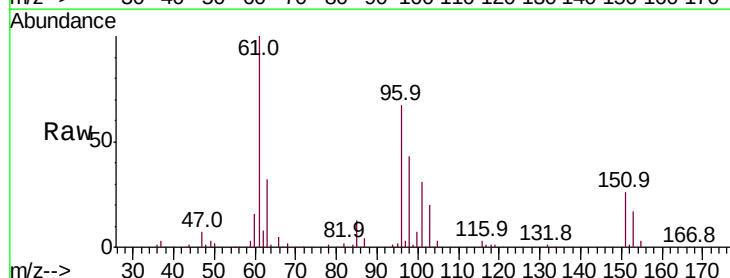
MMDadoda  
 6/4/2019 11:25:04 AM

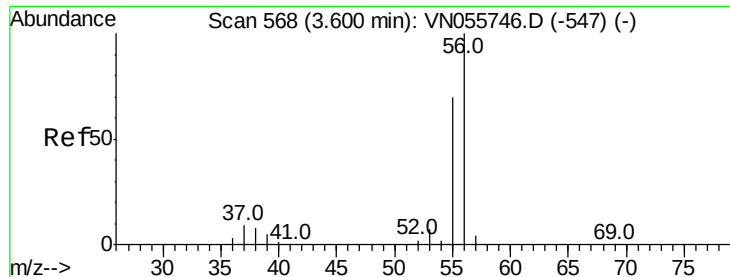


#12

1,1-Dichloroethene  
 Concen: 46.080 ug/l  
 RT: 3.72 min Scan# 604  
 Delta R.T. -0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 149.3 | 123.2 | 184.8 |
| 98      | 64.4  | 50.4  | 75.6  |





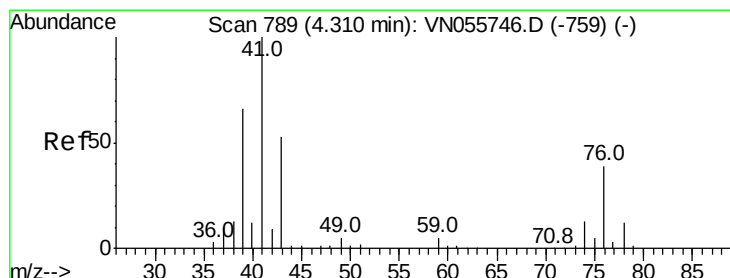
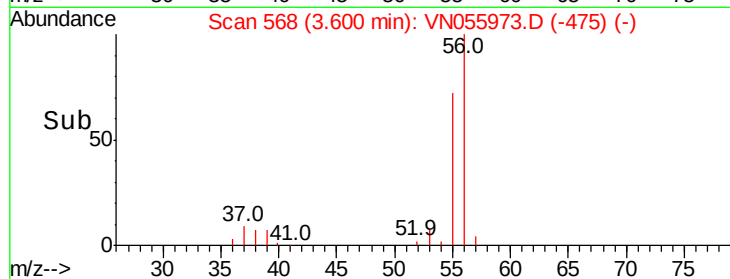
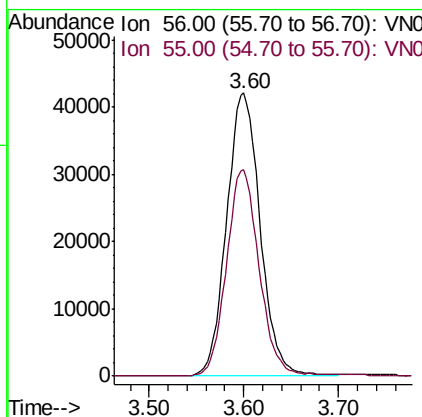
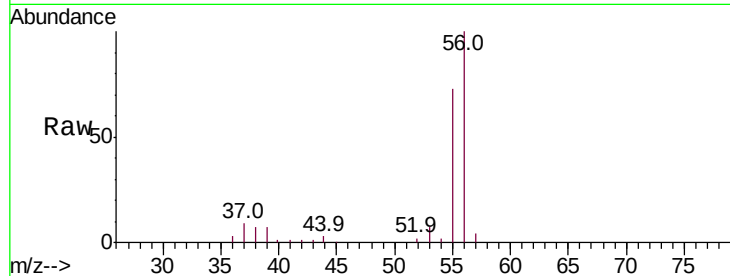
#13  
Acrolein  
Concen: 241.687 ug/l  
RT: 3.60 min Scan# 568  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 56    | Resp  | 103782 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 56        | 100   |       |        |
| 55        | 70.6  | 55.4  | 83.2   |

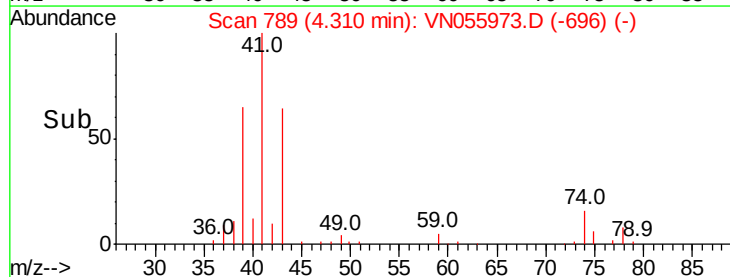
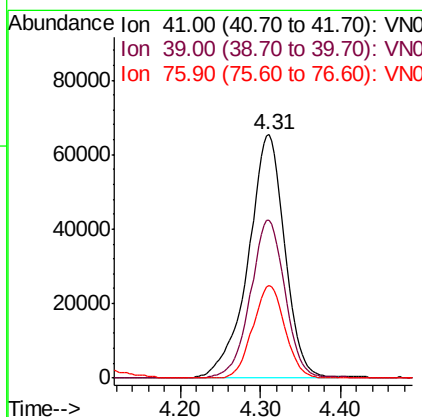
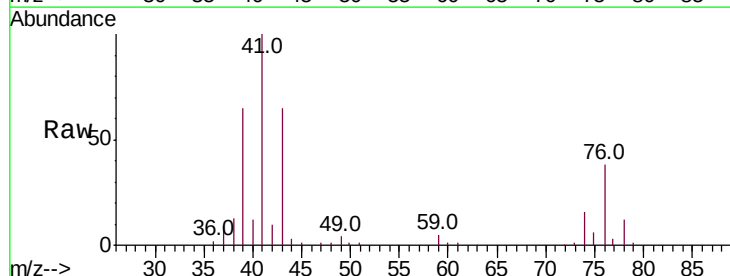
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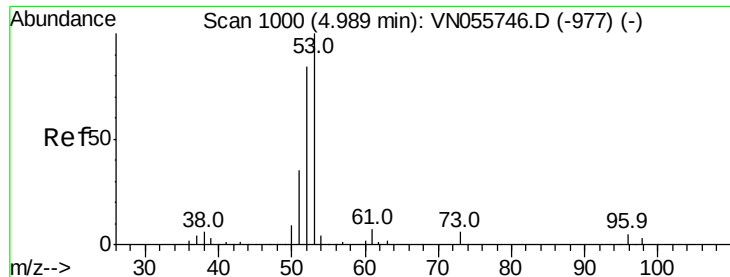
MMDadoda  
6/4/2019 11:25:04 AM



#14  
Allyl chloride  
Concen: 46.194 ug/l  
RT: 4.31 min Scan# 789  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion   | 41    | Resp  | 204687 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 41        | 100   |       |        |
| 39        | 61.4  | 50.0  | 75.0   |
| 76        | 33.6  | 28.2  | 42.2   |





#15

Acrylonitrile

Concen: 267.636 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

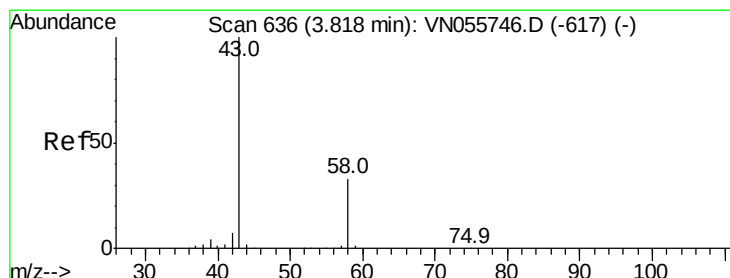
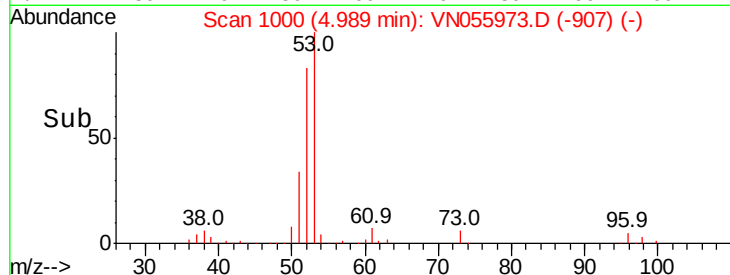
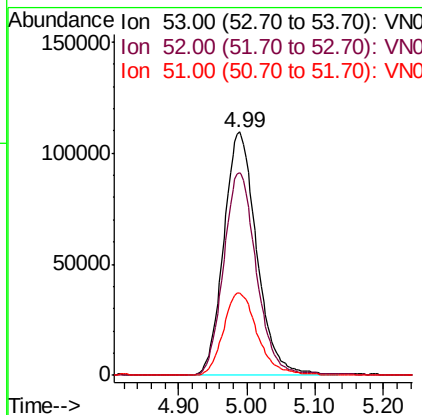
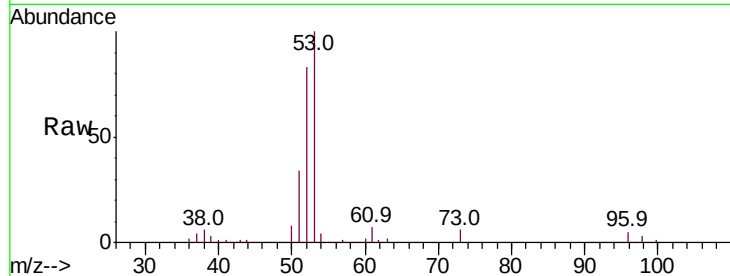
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 53    | Resp: | 368549 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.2  | 65.8  | 98.8   |
| 51       | 35.2  | 28.2  | 42.4   |

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6/4/2019 11:25:04 AM



#16

Acetone

Concen: 235.046 ug/l

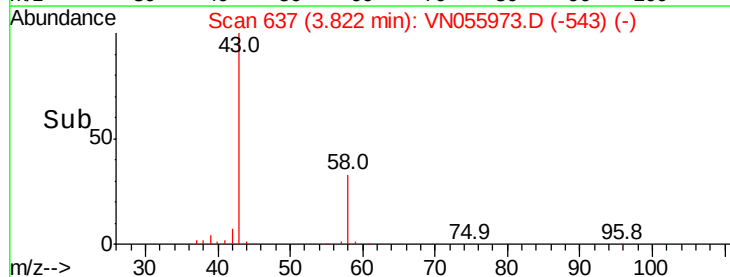
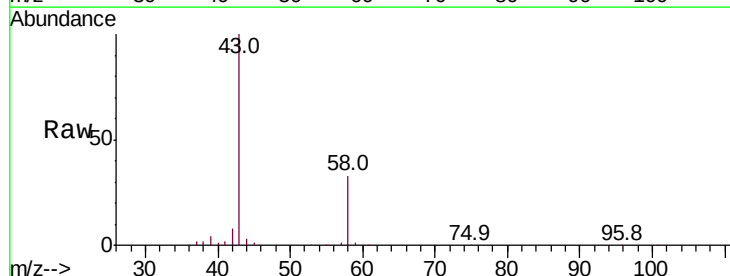
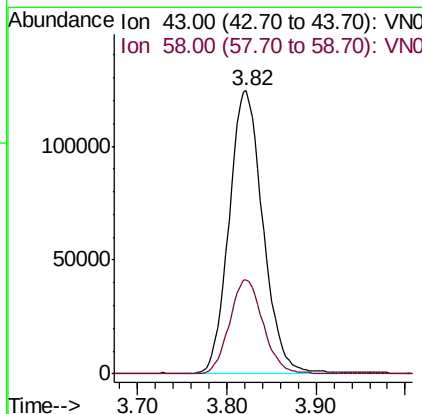
RT: 3.82 min Scan# 637

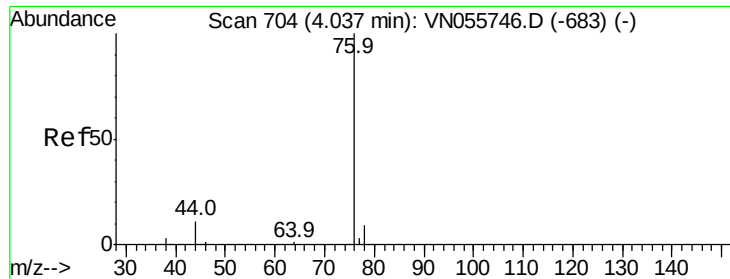
Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 324291 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 33.3  | 26.6  | 39.8   |





#17

Carbon Disulfide

Concen: 32.832 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 241110

Ion Ratio Lower Upper

76 100

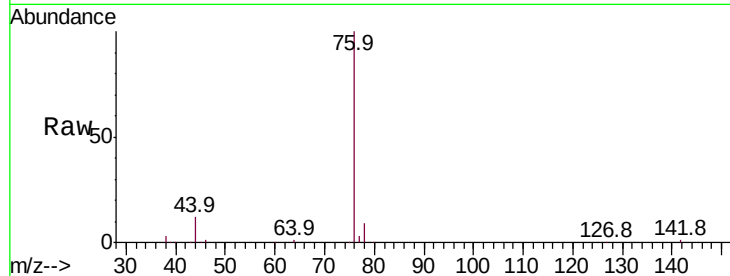
78 9.2 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VN055973.D (-683) (-)

Ion 77.90 (77.60 to 78.60): VN055973.D (-683) (-)

4.03

80000

60000

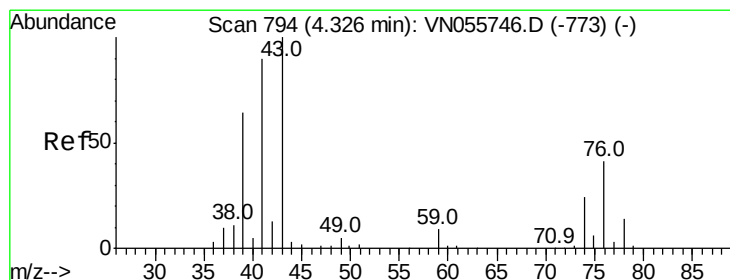
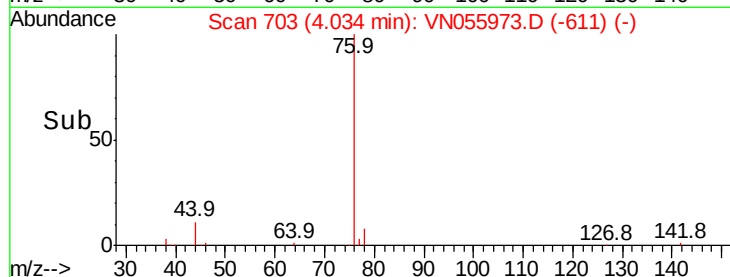
40000

20000

0

Time-->

3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 58.095 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055973.D

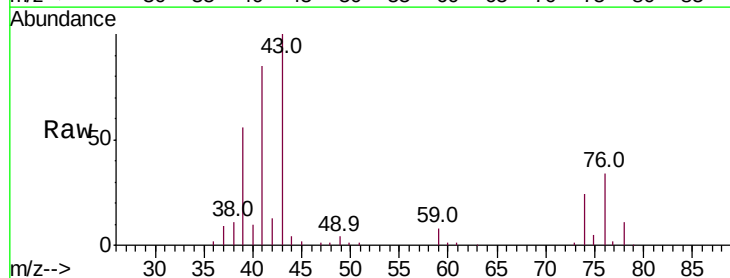
Acq: 3 Jun 2019 20:05

Tgt Ion: 43 Resp: 162375

Ion Ratio Lower Upper

43 100

74 24.6 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): VN055973.D (-701) (-)

Ion 74.00 (73.70 to 74.70): VN055973.D (-701) (-)

4.32

60000

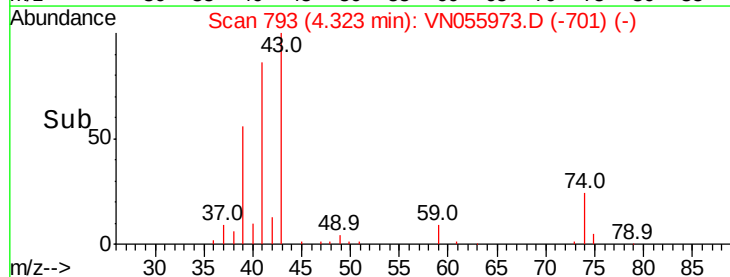
40000

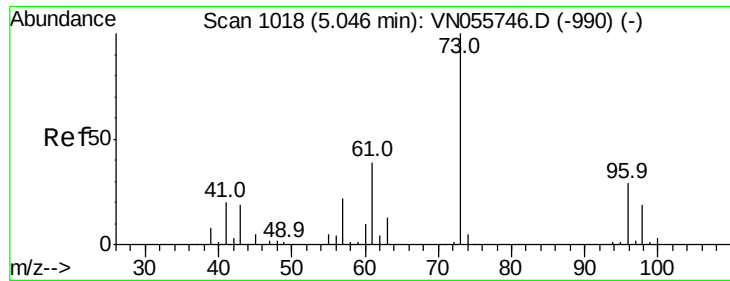
20000

0

Time-->

4.20 4.30 4.40





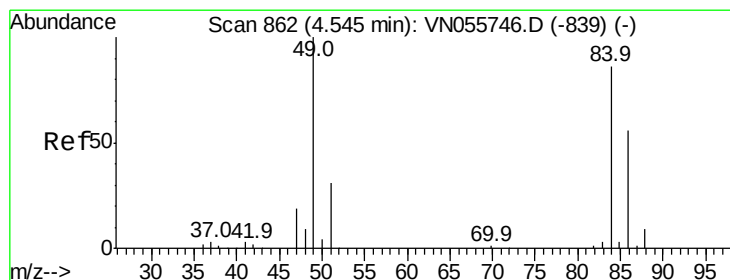
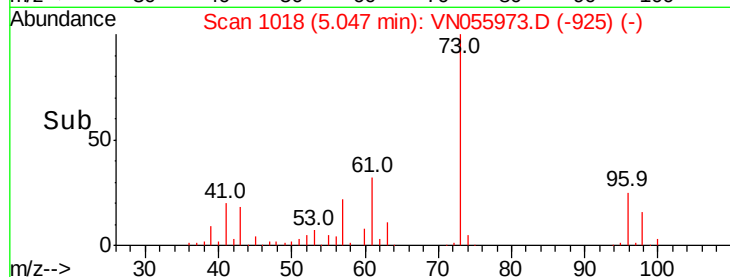
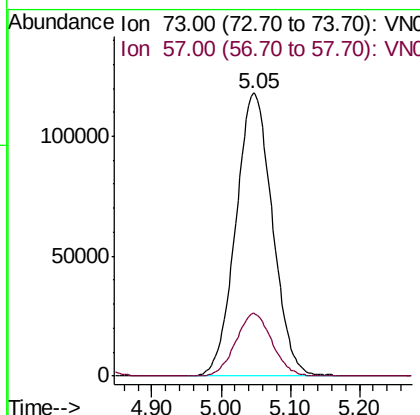
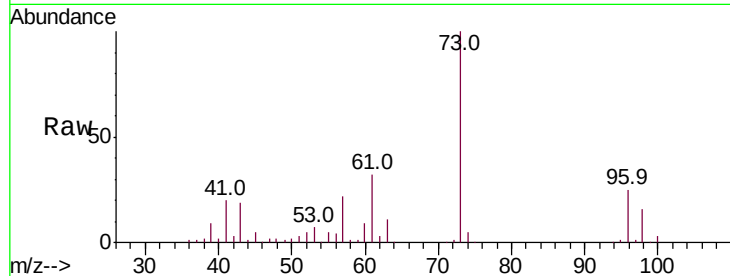
#19  
Methyl tert-butyl Ether  
Concen: 50.271 ug/l  
RT: 5.05 min Scan# 1018  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 73 Resp: 433371  
Ion Ratio Lower Upper  
73 100  
57 22.2 17.8 26.8

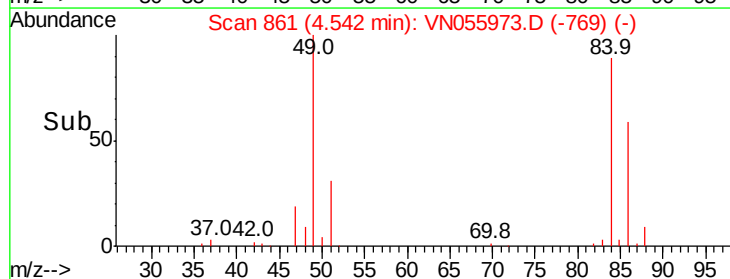
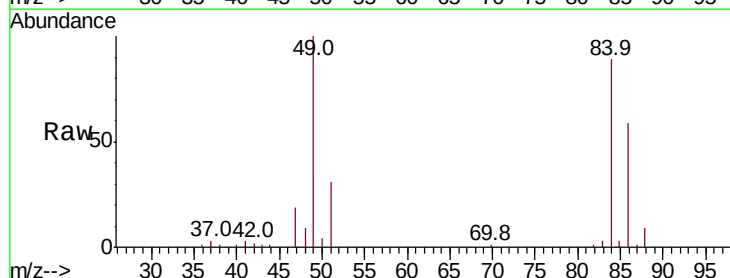
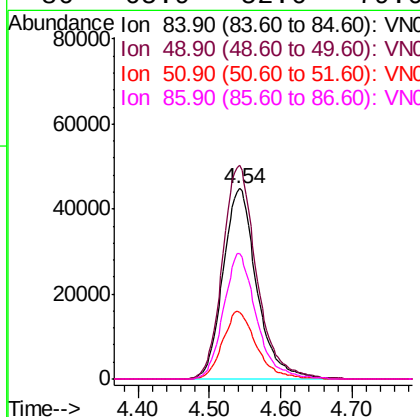
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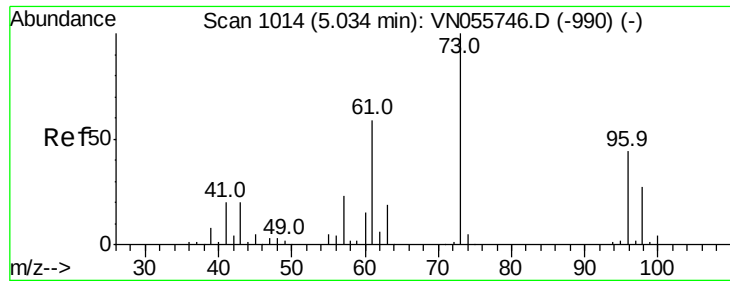
MMDadoda  
6/4/2019 11:25:04 AM



#20  
Methylene Chloride  
Concen: 49.413 ug/l  
RT: 4.54 min Scan# 861  
Delta R.T. -0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Tgt Ion: 84 Resp: 147644  
Ion Ratio Lower Upper  
84 100  
49 112.1 93.5 140.3  
51 35.2 28.6 43.0  
86 65.9 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 46.588 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. -0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 129371

Ion Ratio Lower Upper

96 100

61 133.1 107.8 161.8

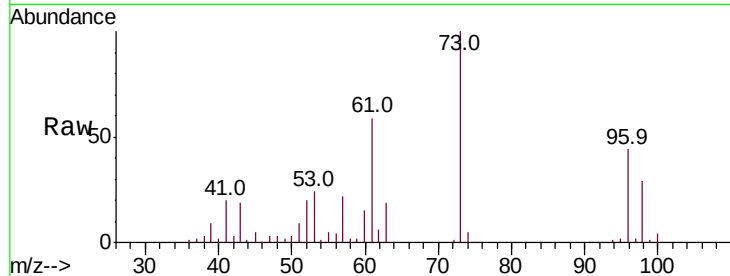
98 64.4 49.8 74.8

Manual Integrations

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MMDadoda

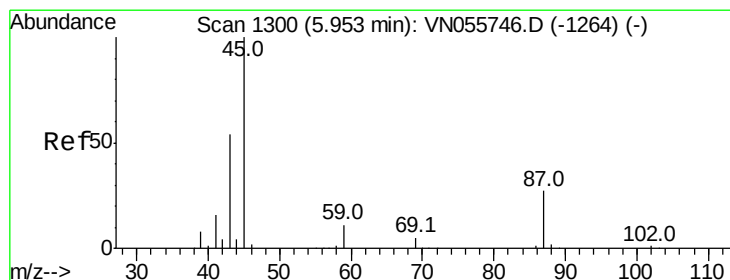
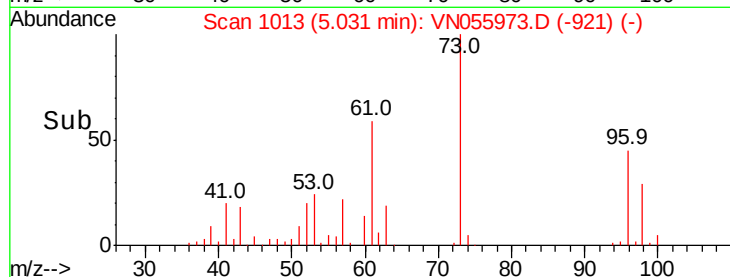
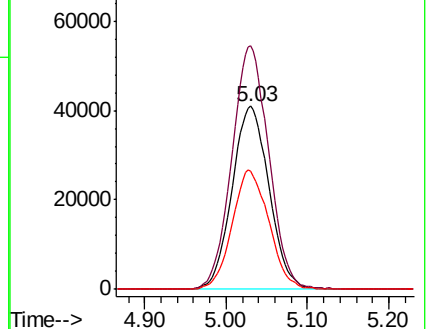
6/4/2019 11:25:04 AM



Abundance Ion 95.90 (95.60 to 96.60): VN055746.D (-990) (-)

Ion 60.90 (60.60 to 61.60): VN055746.D (-990) (-)

Ion 97.90 (97.60 to 98.60): VN055746.D (-990) (-)



#22

Diisopropyl ether

Concen: 51.186 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Tgt Ion: 45 Resp: 441135

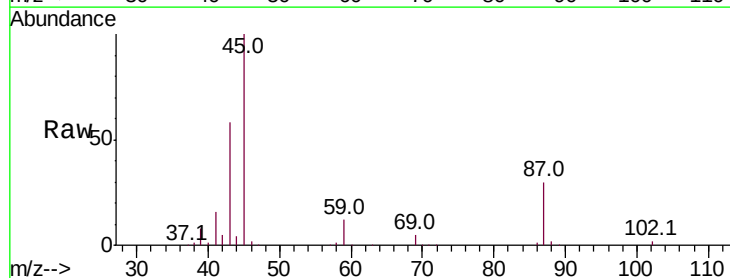
Ion Ratio Lower Upper

45 100

43 56.7 45.0 67.6

87 29.3 22.2 33.4

59 12.2 9.1 13.7

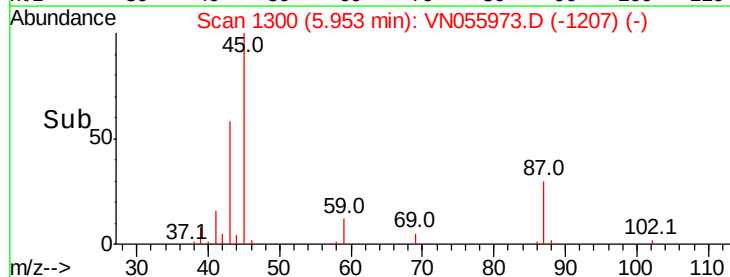
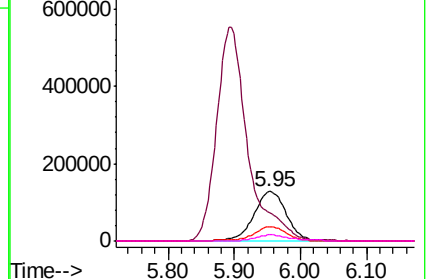


Abundance Ion 45.00 (44.70 to 45.70): VN055746.D (-1264) (-)

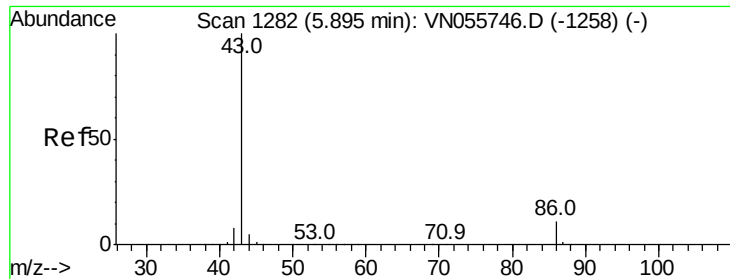
Ion 43.00 (42.70 to 43.70): VN055746.D (-1264) (-)

Ion 87.00 (86.70 to 87.70): VN055746.D (-1264) (-)

Ion 59.00 (58.70 to 59.70): VN055746.D (-1264) (-)







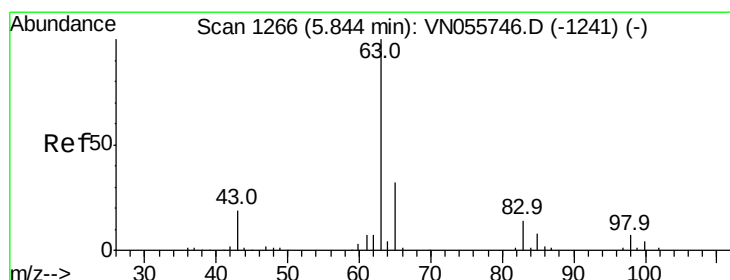
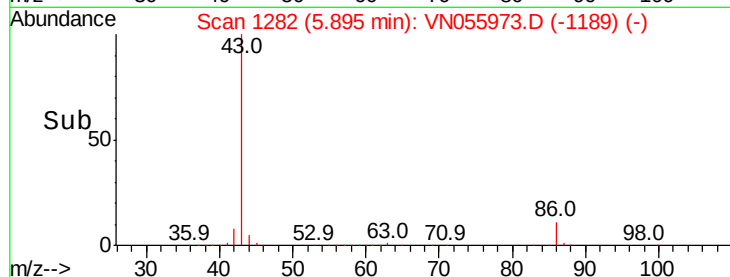
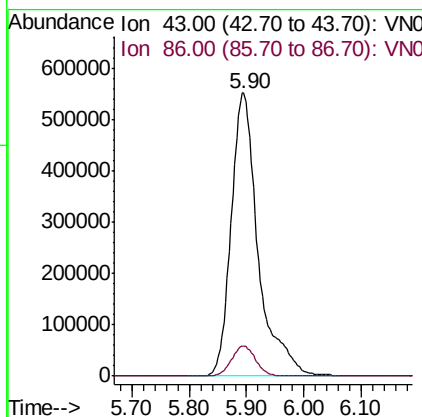
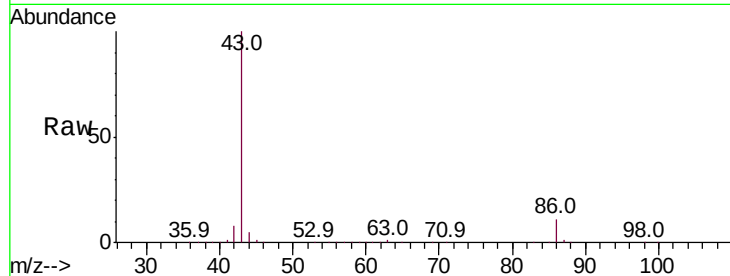
#23  
 Vinyl Acetate  
 Concen: 245.397 ug/l  
 RT: 5.90 min Scan# 1282  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 43 Resp: 1813279  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 8.6 13.0

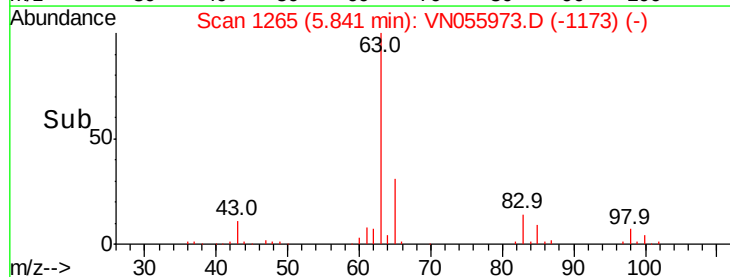
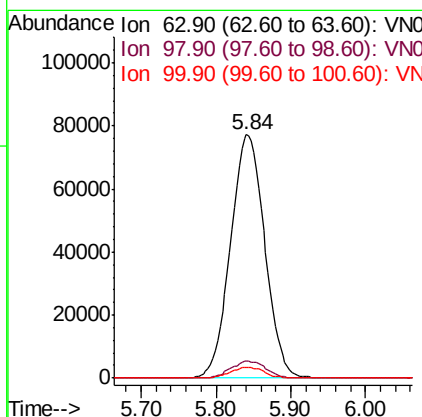
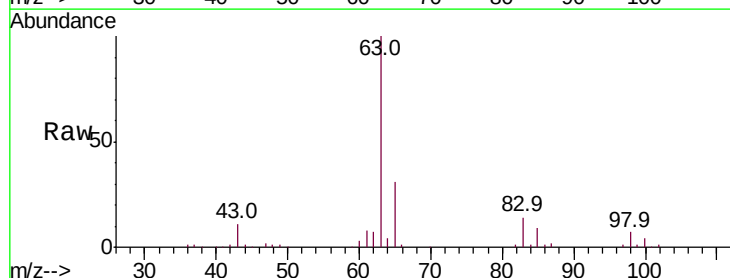
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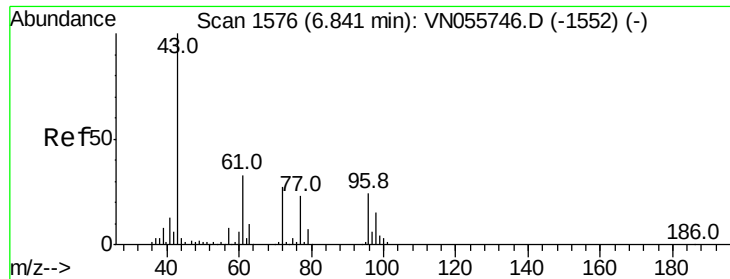
MMDadoda  
 6/4/2019 11:25:04 AM



#24  
 1,1-Dichloroethane  
 Concen: 48.925 ug/l  
 RT: 5.84 min Scan# 1265  
 Delta R.T. -0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Tgt Ion: 63 Resp: 245496  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.4 10.1  
 100 4.4 2.2 6.6





#25

2-Butanone

Concen: 262.083 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 504994

Ion Ratio Lower Upper

43 100

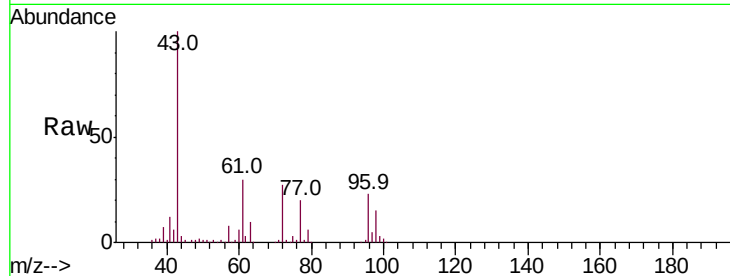
72 26.9 21.9 32.9

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

200000

150000

100000

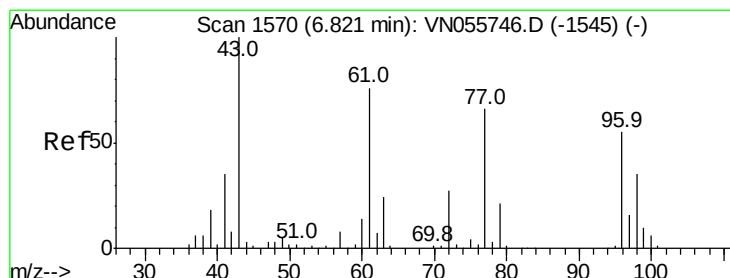
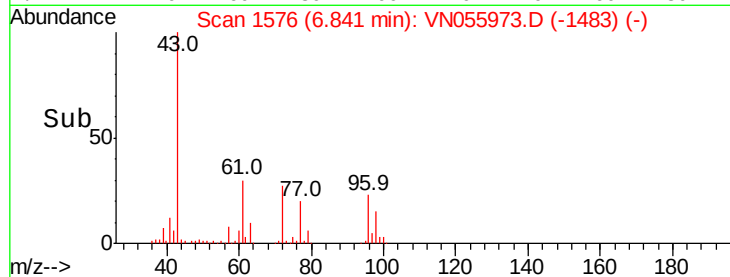
50000

0

6.70 6.80 6.90

6.84

Time-->



#26

2,2-Dichloropropane

Concen: 41.226 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN055973.D

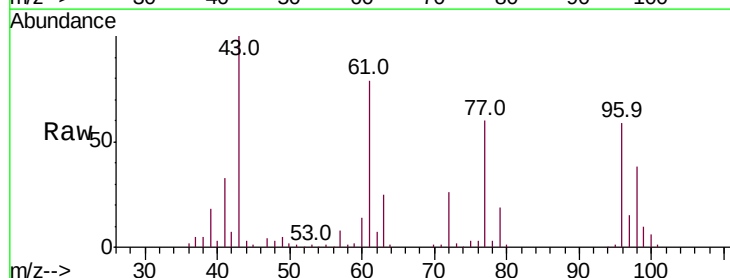
Acq: 3 Jun 2019 20:05

Tgt Ion: 77 Resp: 179032

Ion Ratio Lower Upper

77 100

97 25.4 12.2 36.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

60000

50000

40000

30000

20000

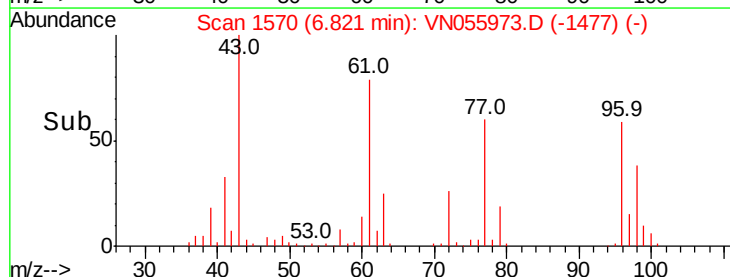
10000

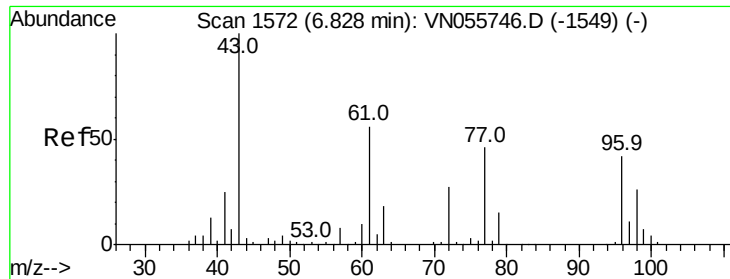
0

6.70 6.80 6.90

6.82

Time-->





#27

cis-1,2-Dichloroethene

Concen: 50.212 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 162675

Ion Ratio Lower Upper

96 100

61 135.3 0.0 275.8

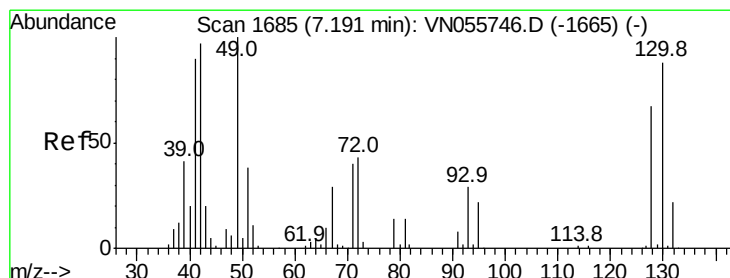
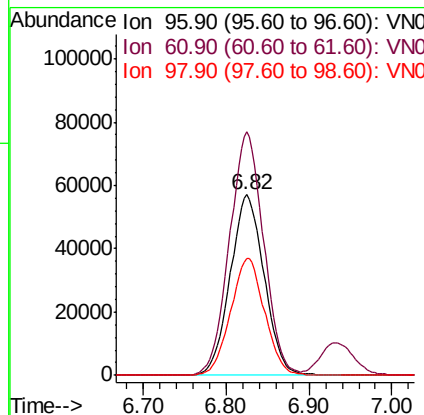
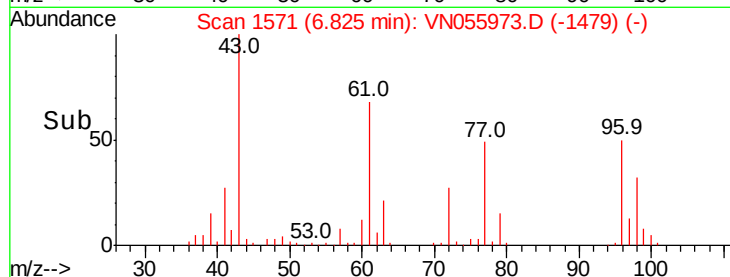
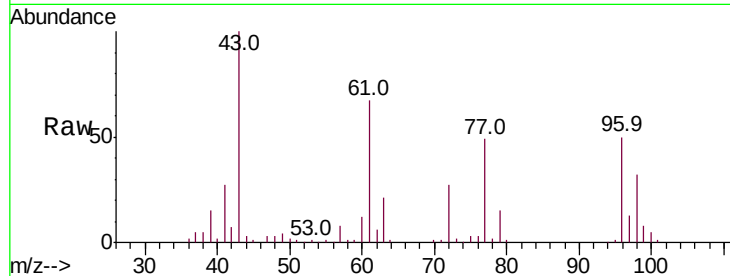
98 64.7 0.0 128.4

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#28

Bromochloromethane

Concen: 49.537 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

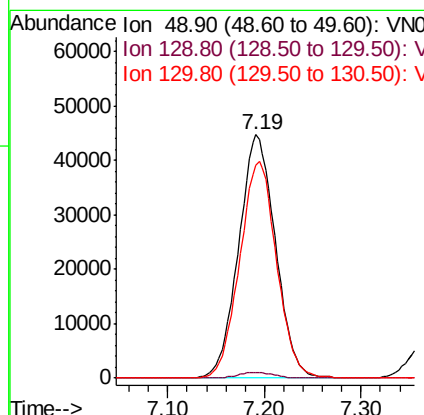
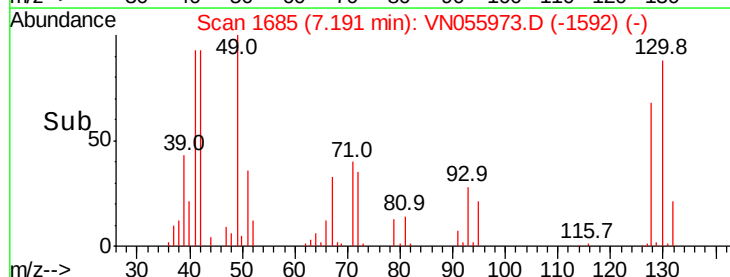
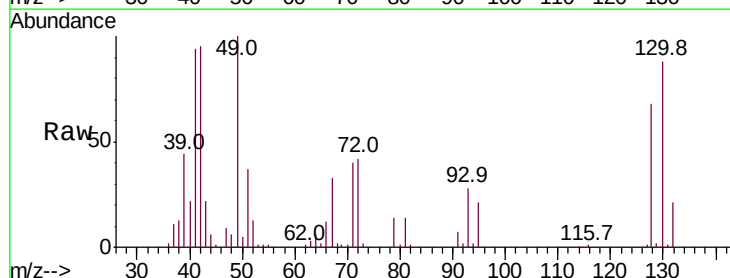
Tgt Ion: 49 Resp: 118346

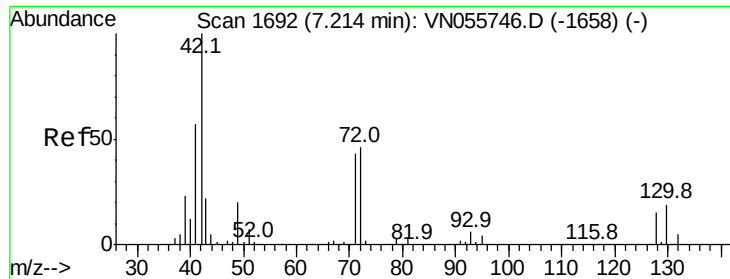
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.4

130 89.1 71.2 106.8





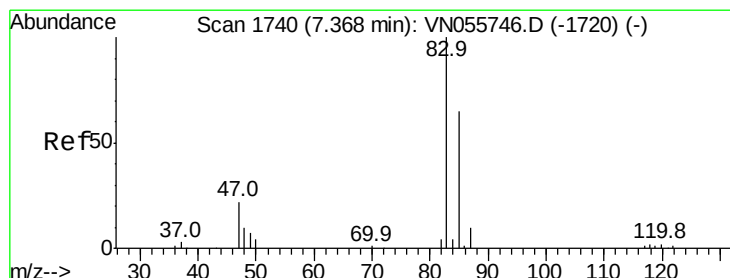
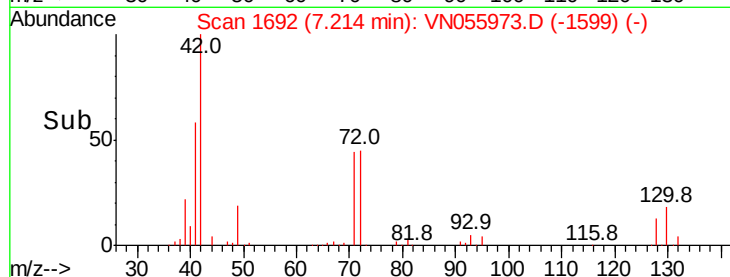
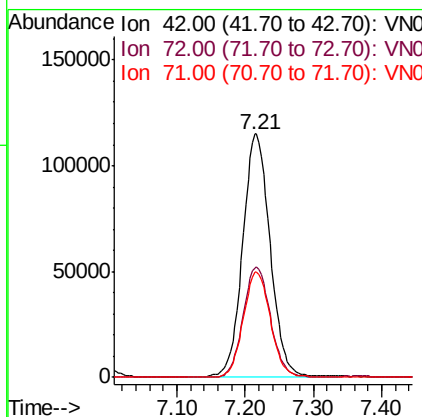
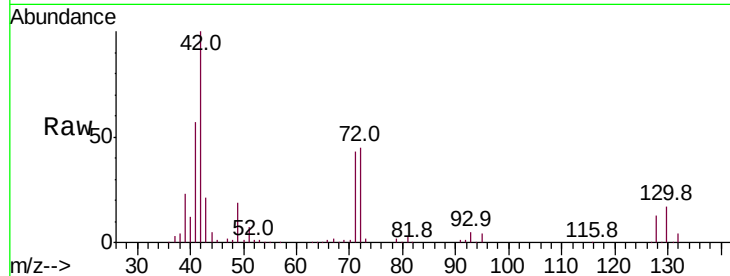
#29  
Tetrahydrofuran  
Concen: 264.595 ug/l  
RT: 7.21 min Scan# 1692  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 42      | 100   |       |       |
| 72      | 45.2  | 35.9  | 53.9  |
| 71      | 42.7  | 34.0  | 51.0  |

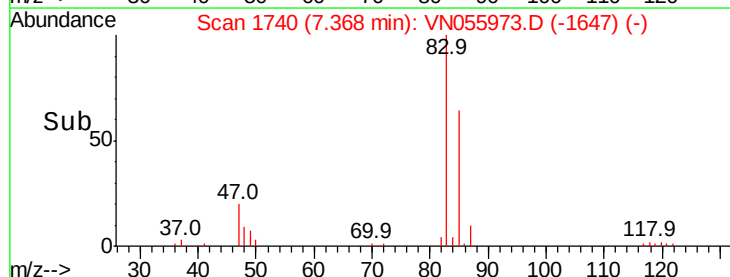
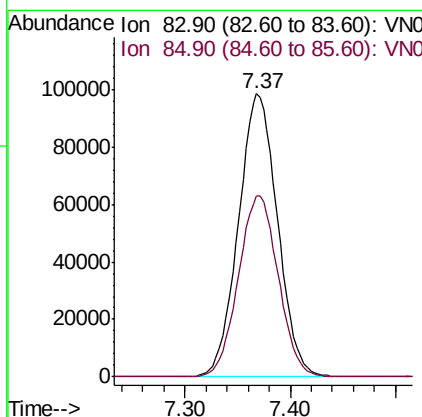
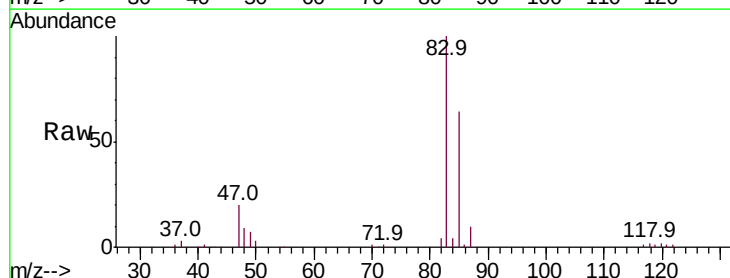
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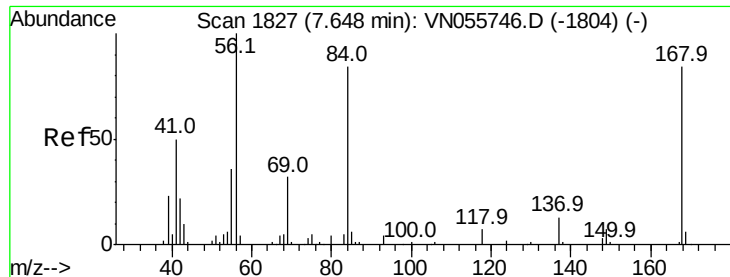
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#30  
Chloroform  
Concen: 50.673 ug/l  
RT: 7.37 min Scan# 1740  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.8  | 51.8  | 77.8  |





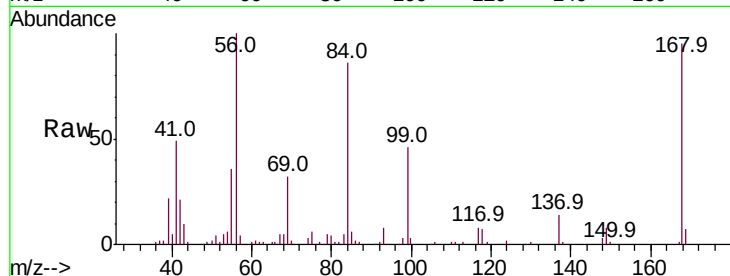
#31  
Cyclohexane  
Concen: 44.682 ug/l  
RT: 7.65 min Scan# 1827  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

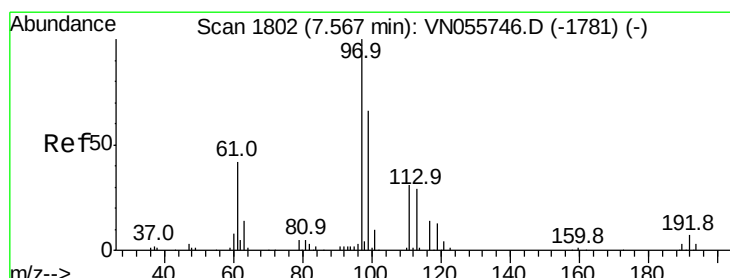
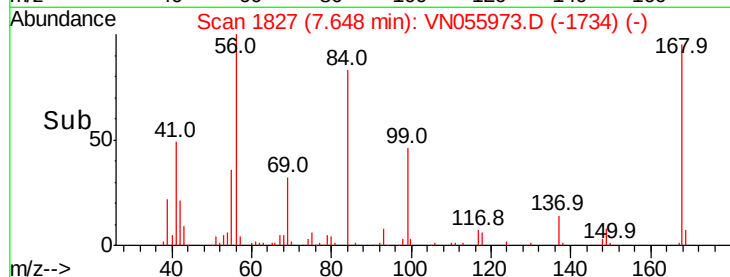
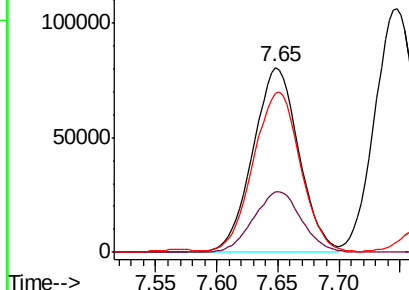
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 56      | 100   |       |       |
| 69      | 32.5  | 25.6  | 38.4  |
| 84      | 84.5  | 67.4  | 101.0 |

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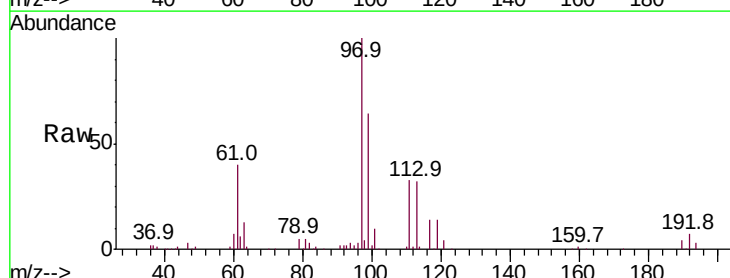


Abundance Ion 56.00 (55.70 to 56.70): VNO  
Ion 69.00 (68.70 to 69.70): VNO  
Ion 84.00 (83.70 to 84.70): VNO

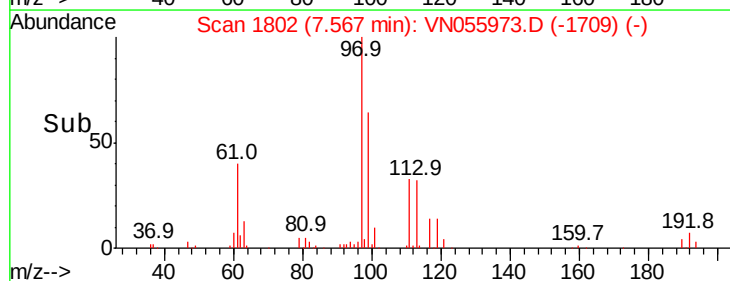
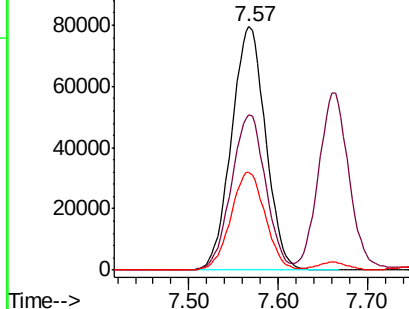


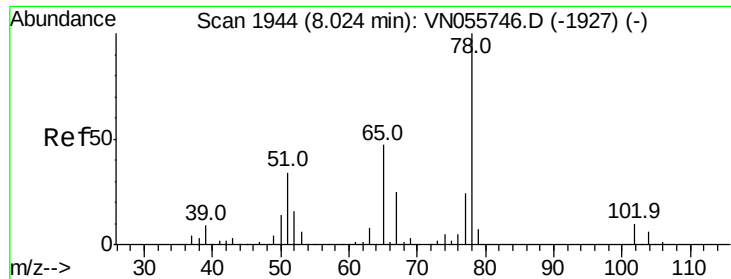
#32  
1,1,1-Trichloroethane  
Concen: 47.226 ug/l  
RT: 7.57 min Scan# 1802  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 99      | 64.1  | 52.0  | 78.0  |
| 61      | 40.4  | 32.9  | 49.3  |



Abundance Ion 96.90 (96.60 to 97.60): VNO  
Ion 98.90 (98.60 to 99.60): VNO  
Ion 60.90 (60.60 to 61.60): VNO





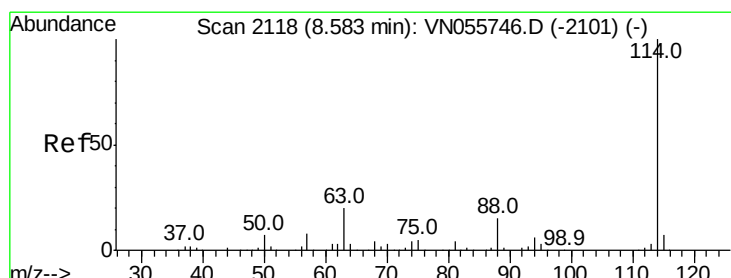
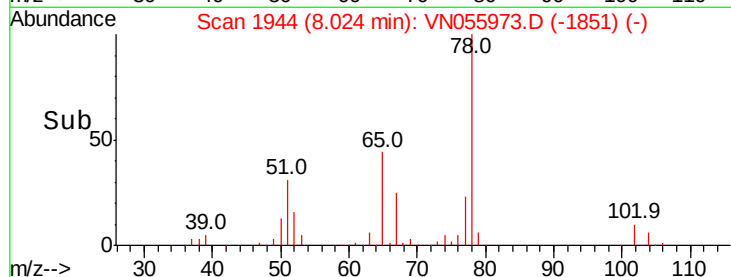
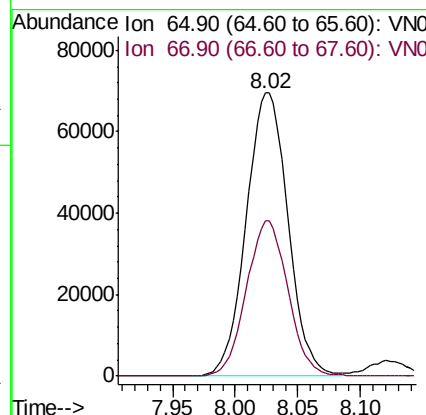
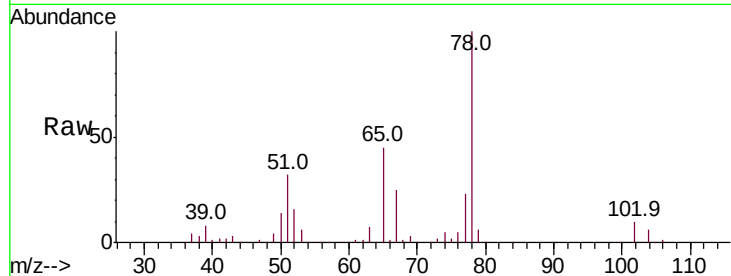
#33  
 1,2-Dichloroethane-d4  
 Concen: 51.319 ug/l  
 RT: 8.02 min Scan# 1944  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 65      | 100   | 161073 |       |       |
| 67      | 54.6  | 0.0    | 109.2 |       |

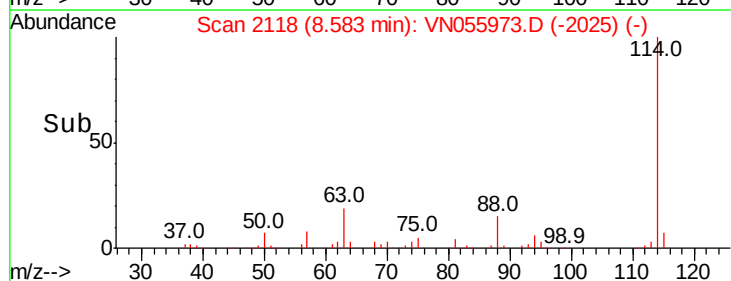
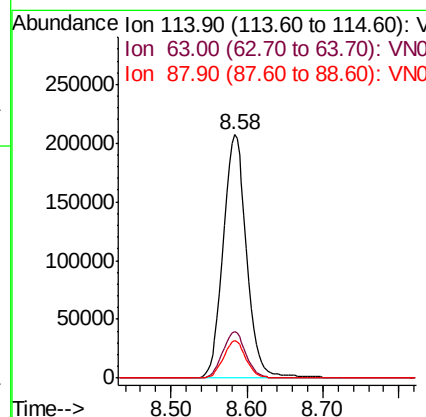
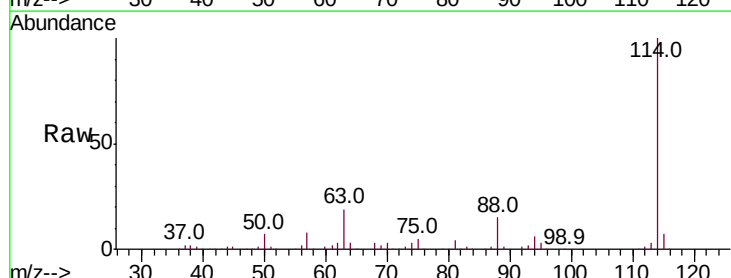
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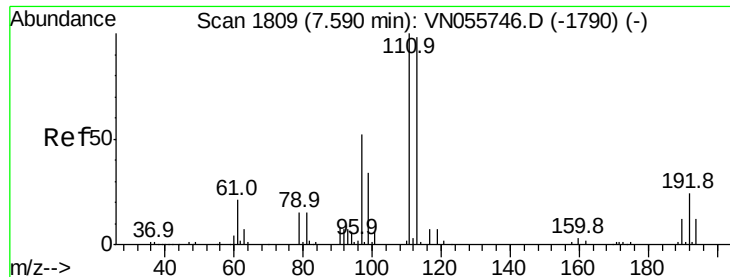
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#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.58 min Scan# 2118  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 114     | 100   | 444446 |       |       |
| 63      | 19.0  | 0.0    | 39.2  |       |
| 88      | 15.4  | 0.0    | 31.0  |       |





#35

Dibromofluoromethane

Concen: 50.709 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

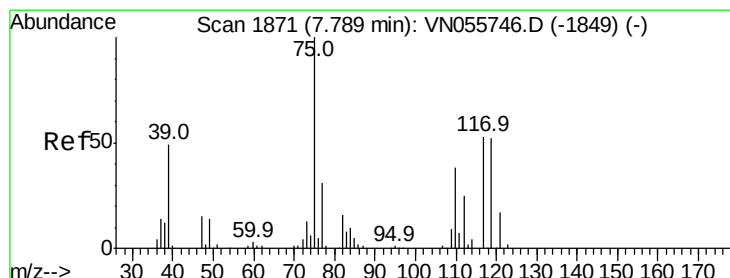
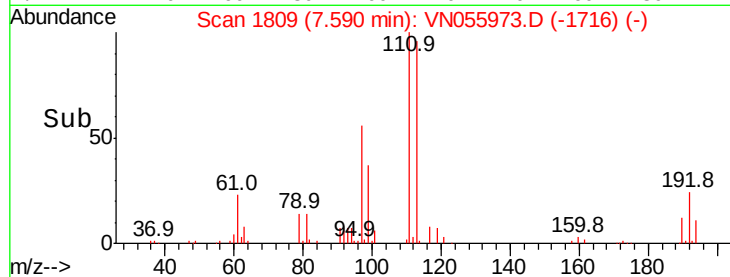
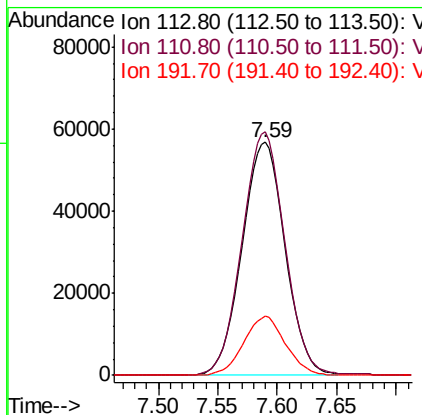
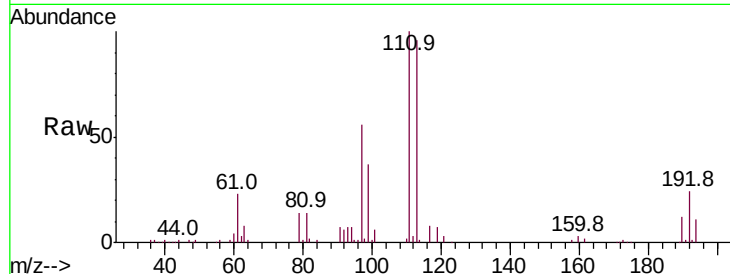
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tot Ion: | 113   | Resp: | 142490 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 104.0 | 81.9  | 122.9  |
| 192      | 24.5  | 19.5  | 29.3   |

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#36

1,1-Dichloropropene

Concen: 46.331 ug/l

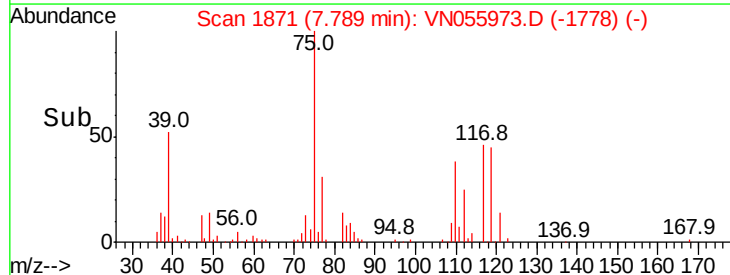
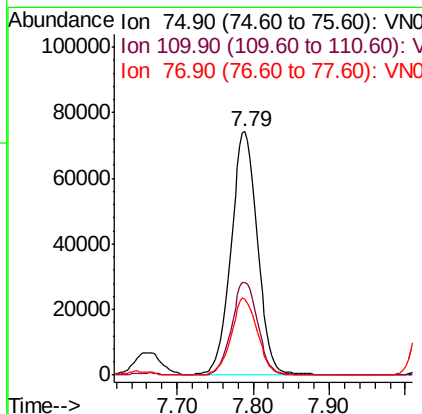
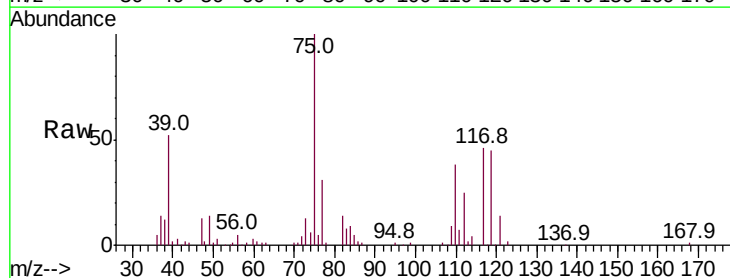
RT: 7.79 min Scan# 1871

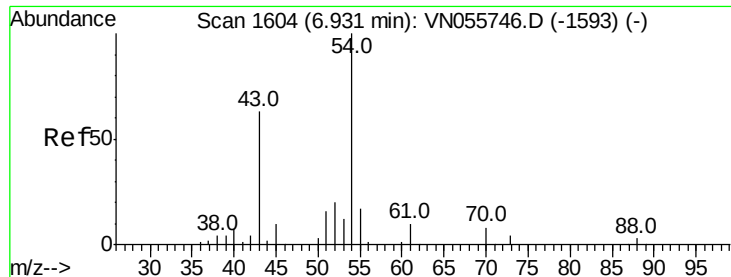
Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 179447 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 38.0  | 19.0  | 57.0   |
| 77       | 31.3  | 25.1  | 37.7   |





#37

Ethyl Acetate

Concen: 52.209 ug/l

RT: 6.93 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VN055973.D

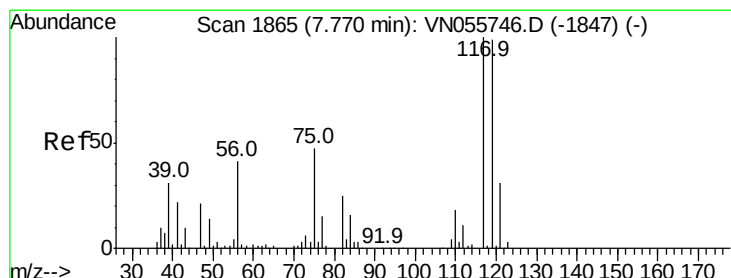
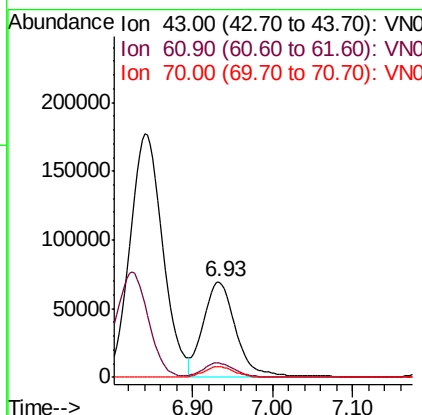
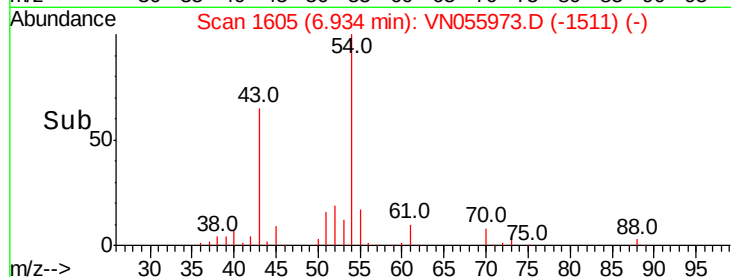
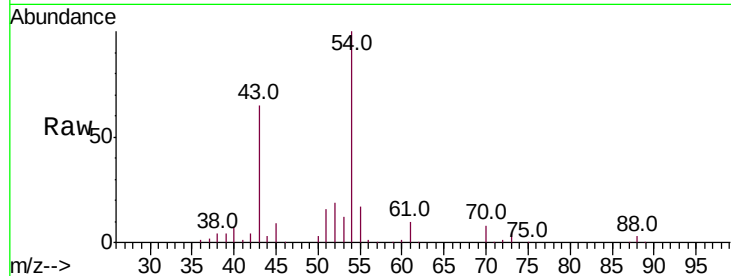
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion   | 43    | Resp  | 195441 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 15.3  | 12.2  | 18.2   |
| 70        | 10.8  | 8.9   | 13.3   |

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#38

Carbon Tetrachloride

Concen: 42.682 ug/l

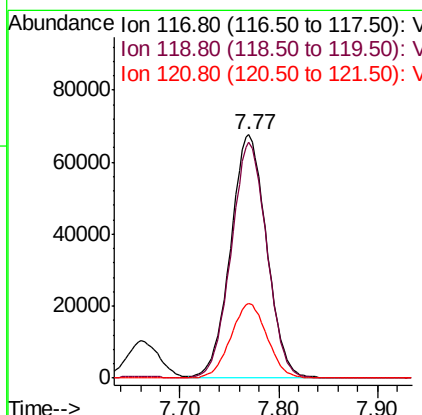
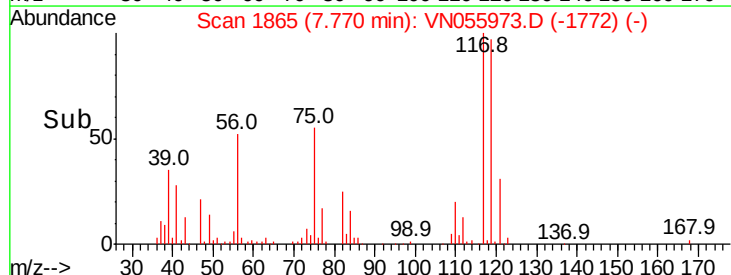
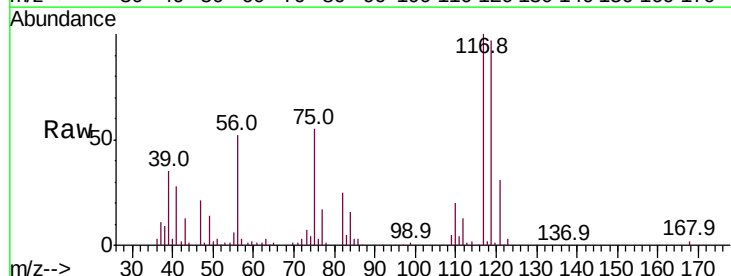
RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

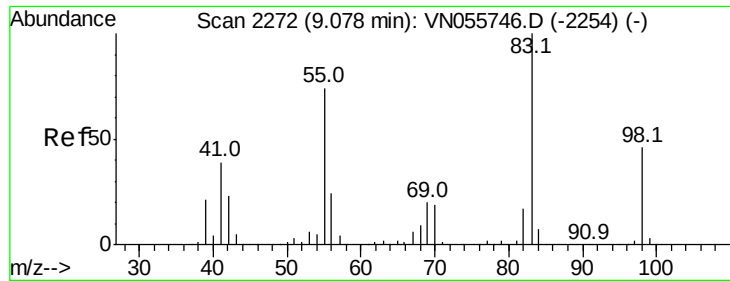
Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

| Tgt Ion   | 117   | Resp  | 172197 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 96.7  | 79.0  | 118.6  |
| 121       | 30.6  | 24.7  | 37.1   |







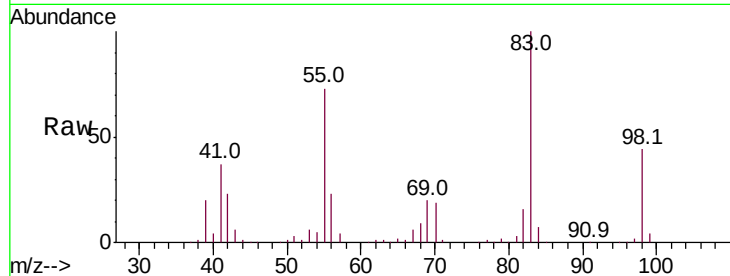
#39  
Methylvlcyclohexane  
Concen: 44.481 ug/l  
RT: 9.08 min Scan# 2271  
Delta R.T. -0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

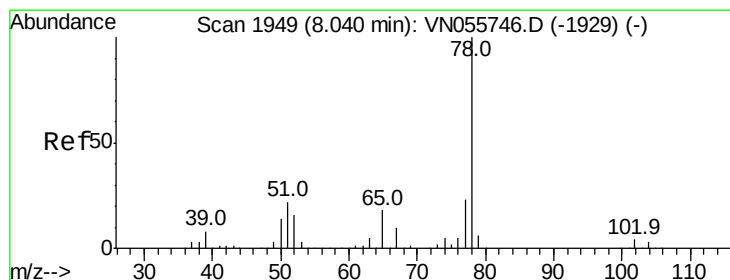
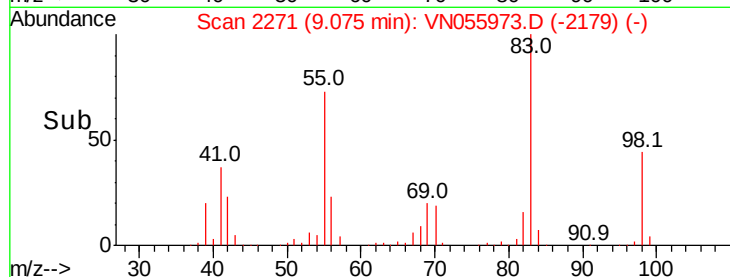
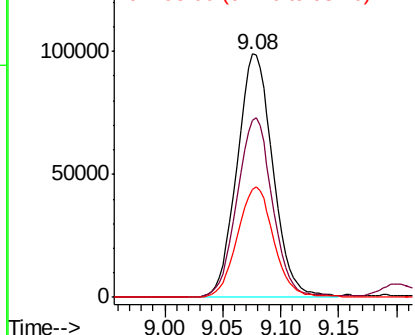
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 72.9  | 59.3  | 88.9  |
| 98      | 44.3  | 36.6  | 54.8  |

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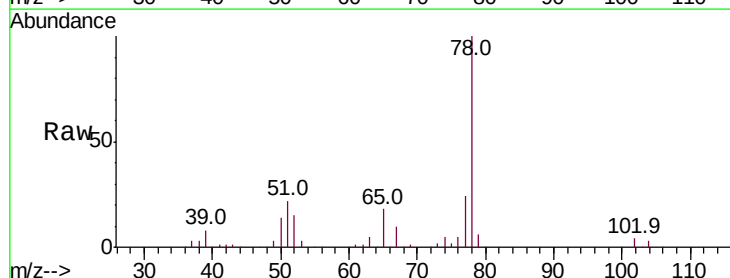


Abundance Ion 83.00 (82.70 to 83.70): VN0  
Ion 55.00 (54.70 to 55.70): VN0  
Ion 98.00 (97.70 to 98.70): VN0

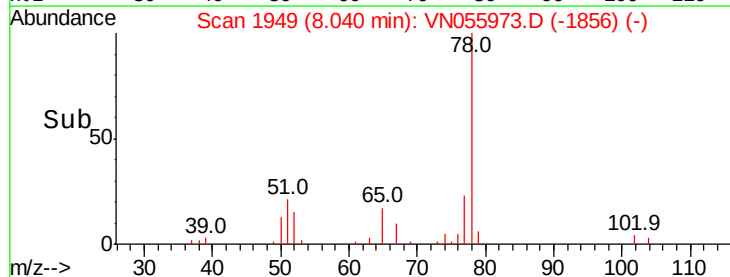
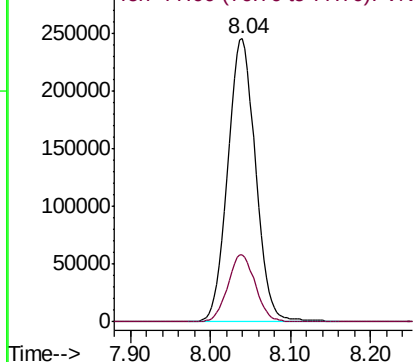


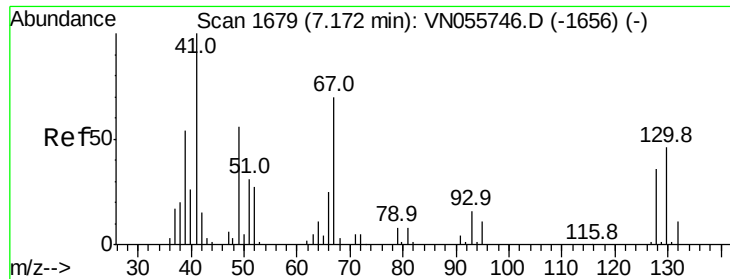
#40  
Benzene  
Concen: 49.715 ug/l  
RT: 8.04 min Scan# 1949  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 78      | 100   |       |       |
| 77      | 23.6  | 18.8  | 28.2  |



Abundance Ion 78.00 (77.70 to 78.70): VN0  
Ion 77.00 (76.70 to 77.70): VN0





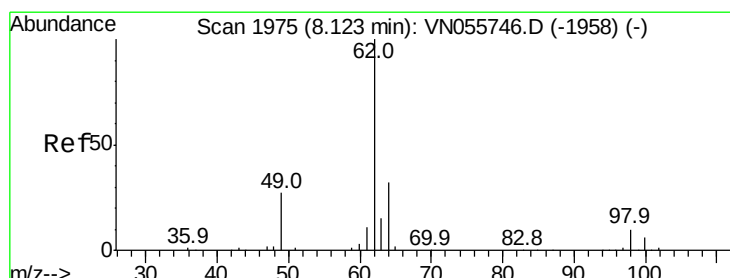
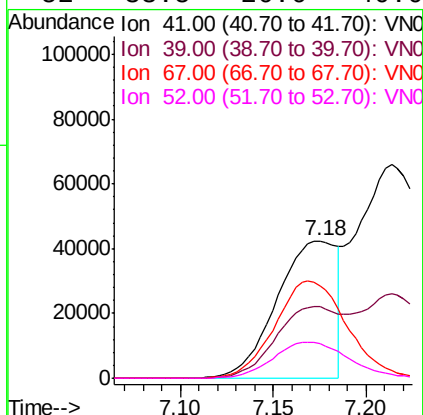
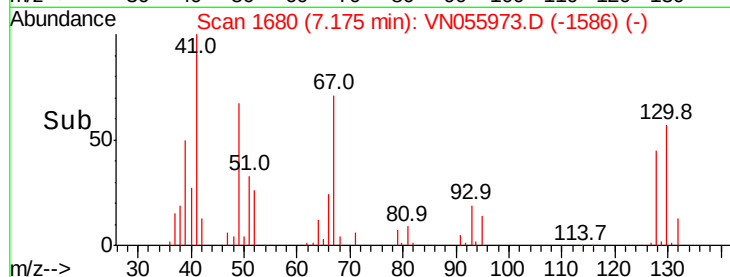
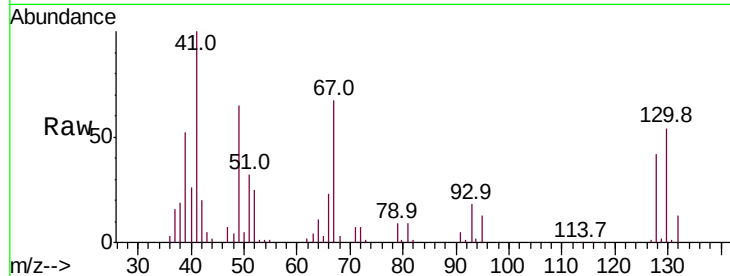
#41  
Methacrylonitrile  
Concen: 50.394 ug/l  
RT: 7.18 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 41      | 100  |       |       |       |
| 39      | 56.3 | 45.6  | 68.4  |       |
| 67      | 85.8 | 67.7  | 101.5 |       |
| 52      | 33.5 | 26.6  | 40.0  |       |

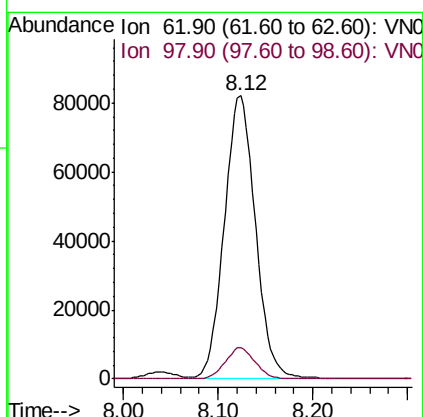
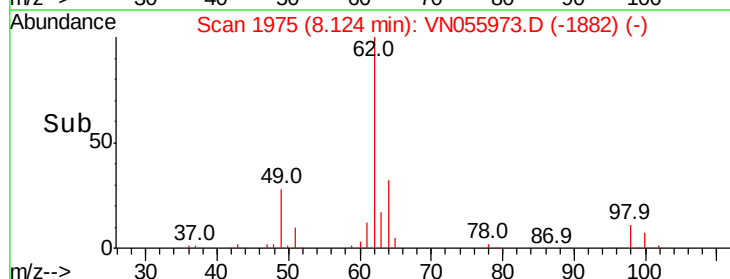
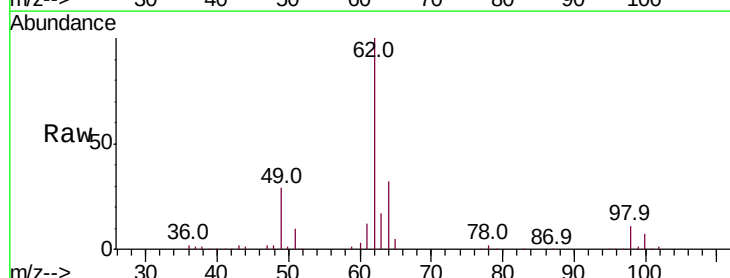
Manual Integrations  
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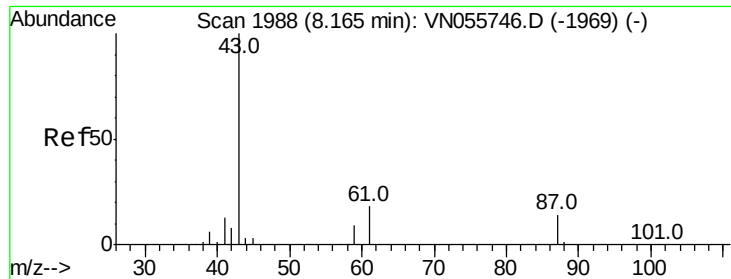
MMDadoda  
6/4/2019 11:25:04 AM



#42  
1,2-Dichloroethane  
Concen: 48.966 ug/l  
RT: 8.12 min Scan# 1975  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion | Ion  | Ratio | Lower | Upper |
|---------|------|-------|-------|-------|
| 62      | 100  |       |       |       |
| 98      | 10.5 | 0.0   | 20.2  |       |





#43

Isopropyl Acetate

Concen: 49.865 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

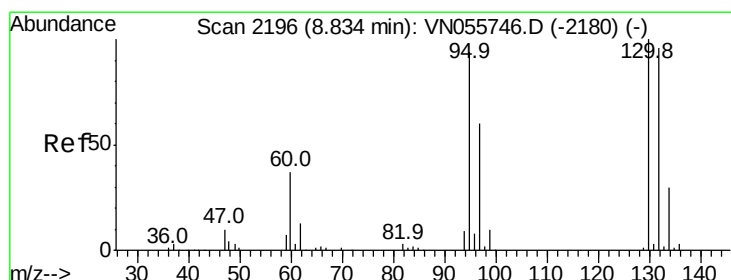
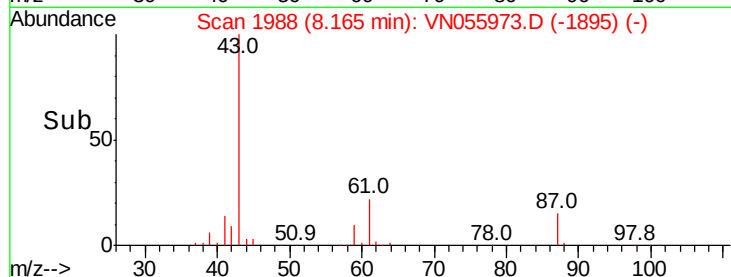
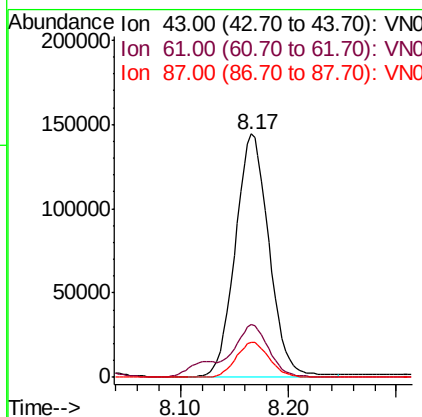
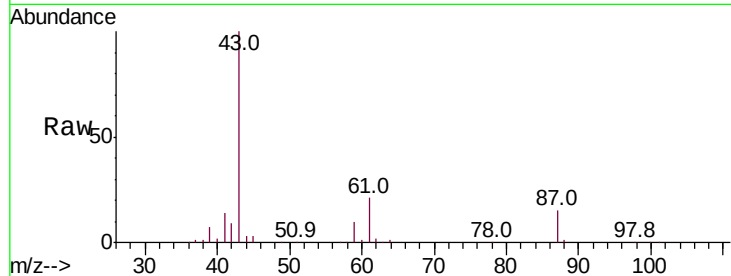
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 43    | Resp: | 313631 |
| Ion Ratio | Lower | Upper |        |
| 43        | 100   |       |        |
| 61        | 21.4  | 22.2  | 33.4#  |
| 87        | 14.4  | 11.4  | 17.2   |

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6/4/2019 11:25:04 AM



#44

Trichloroethene

Concen: 49.156 ug/l

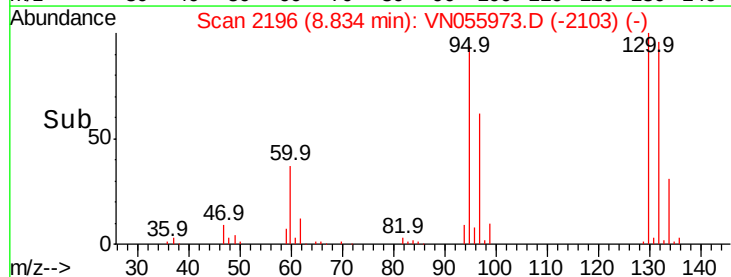
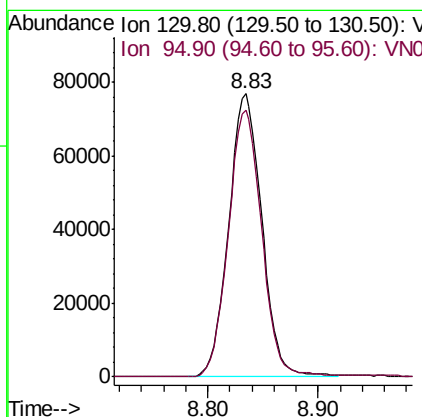
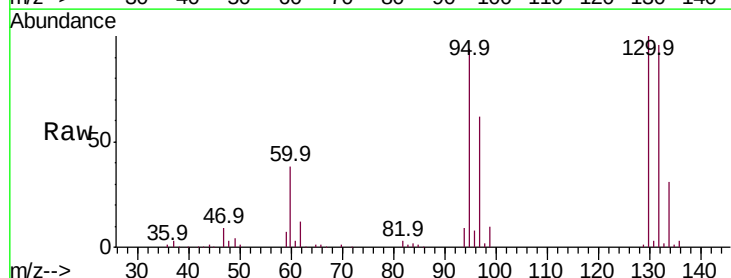
RT: 8.83 min Scan# 2196

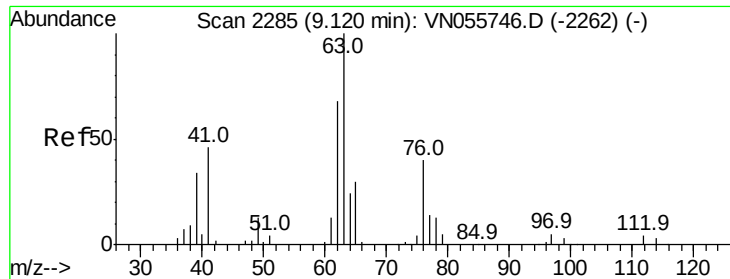
Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 130   | Resp: | 159965 |
| Ion Ratio | Lower | Upper |        |
| 130       | 100   |       |        |
| 95        | 94.4  | 0.0   | 188.0  |





#45

1,2-Dichloropropane

Concen: 50.738 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 154309

Ion Ratio Lower Upper

63 100

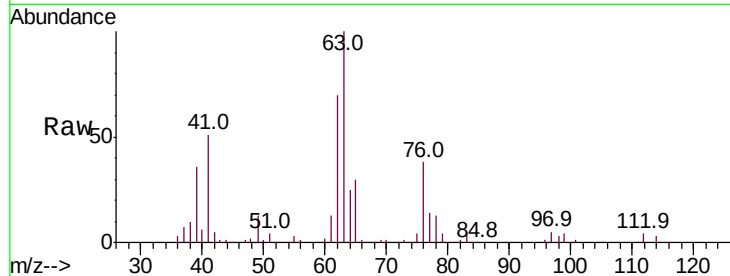
65 30.2 24.6 36.8

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

80000

60000

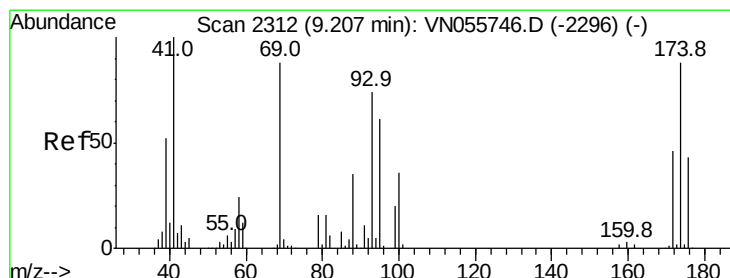
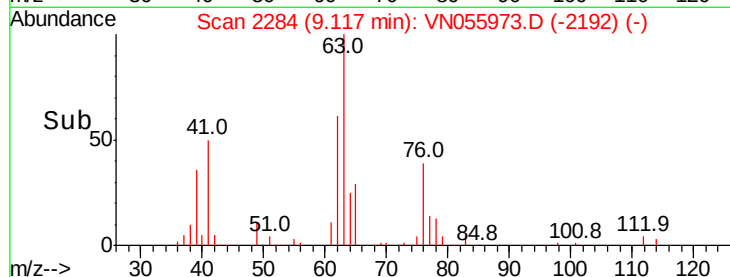
40000

20000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 50.403 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

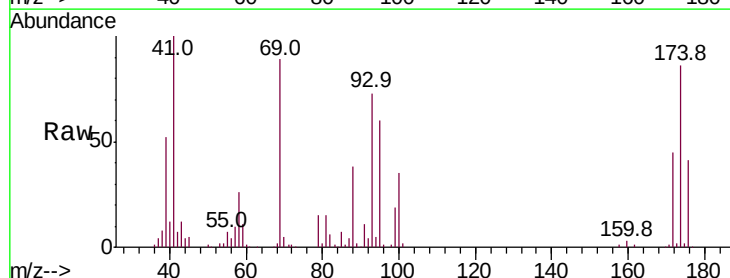
Tgt Ion: 93 Resp: 100531

Ion Ratio Lower Upper

93 100

95 83.7 66.7 100.1

174 120.3 96.4 144.6



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

80000

60000

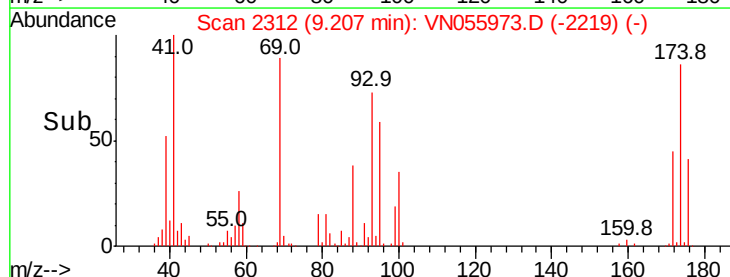
40000

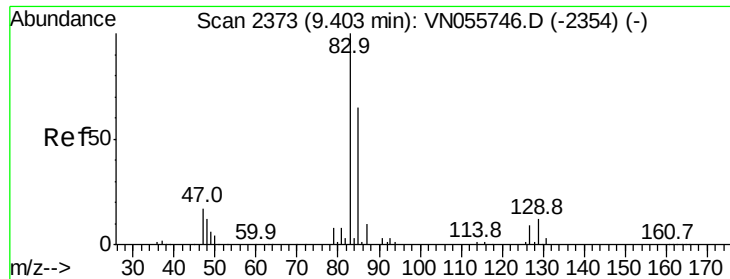
20000

0

9.10 9.15 9.20 9.25 9.30

Time-->





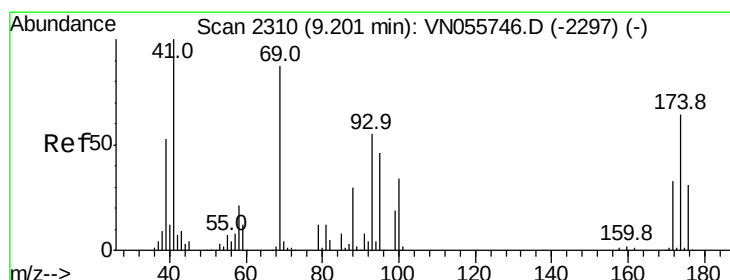
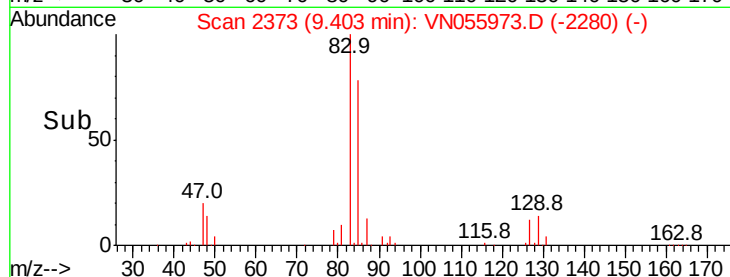
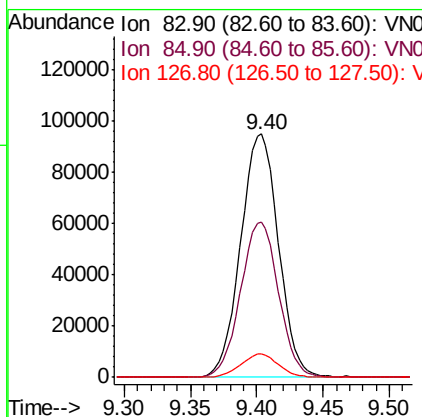
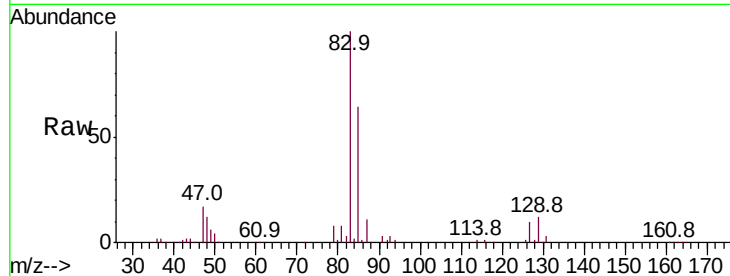
#47  
Bromodichloromethane  
Concen: 46.093 ug/l  
RT: 9.40 min Scan# 2373  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 85      | 63.9  | 52.2  | 78.2  |
| 127     | 9.6   | 7.4   | 11.0  |

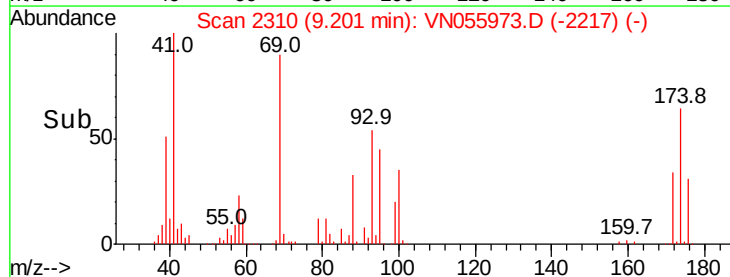
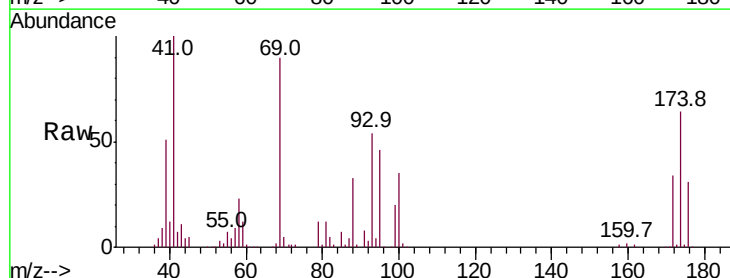
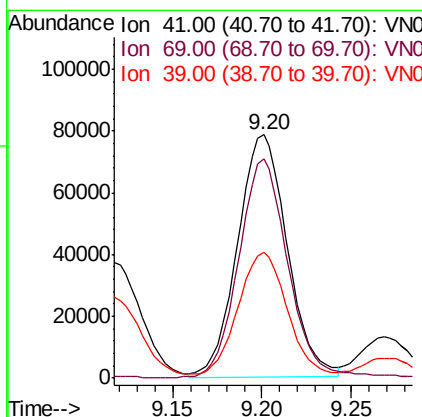
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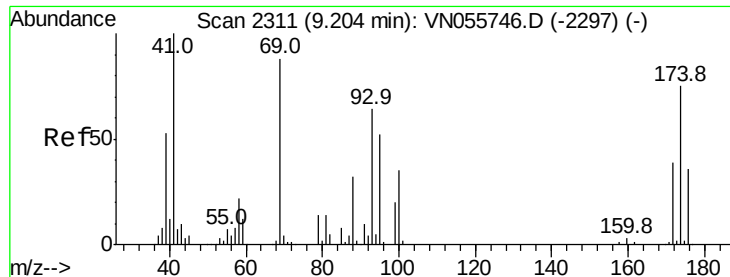
MMDadoda  
6/4/2019 11:25:04 AM



#48  
Methyl methacrylate  
Concen: 52.945 ug/l  
RT: 9.20 min Scan# 2310  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 41      | 100   |       |       |
| 69      | 88.9  | 71.0  | 106.6 |
| 39      | 51.8  | 44.2  | 66.2  |





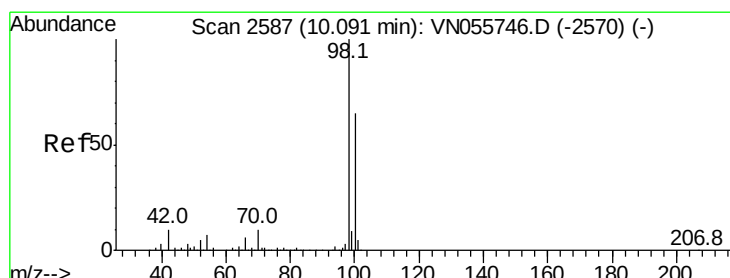
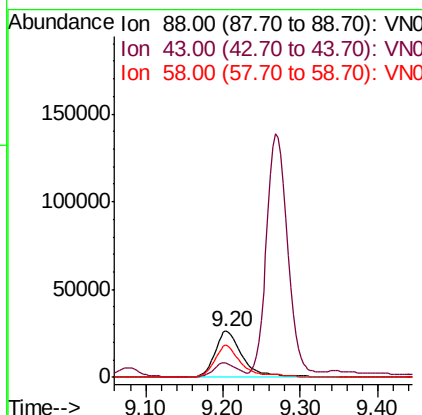
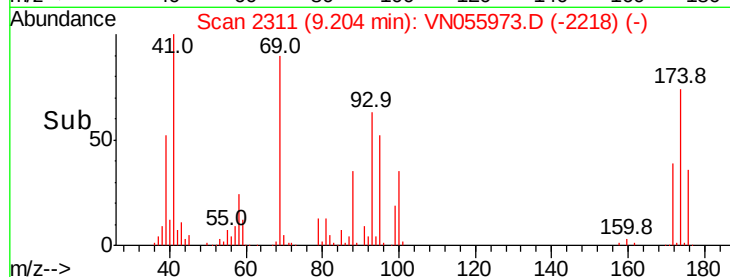
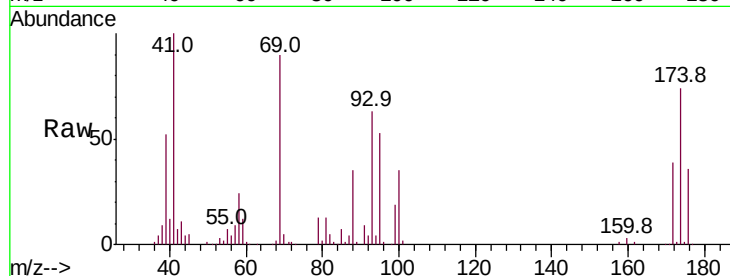
#49  
1,4-Dioxane  
Concen: 1100.440 ug/l  
RT: 9.20 min Scan# 2311  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 88      | 100   |       |       |
| 43      | 25.8  | 20.5  | 30.7  |
| 58      | 70.2  | 55.8  | 83.6  |

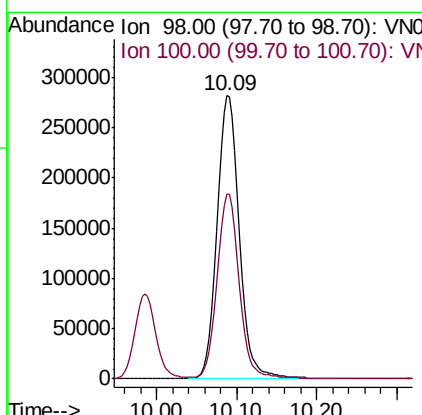
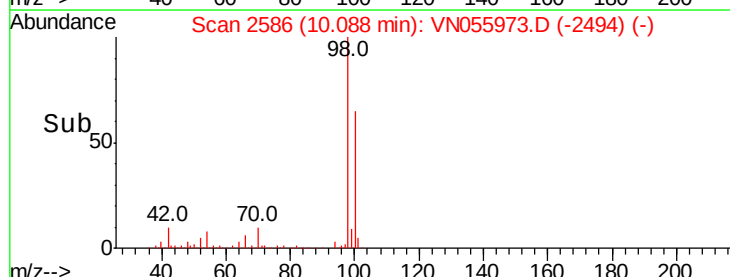
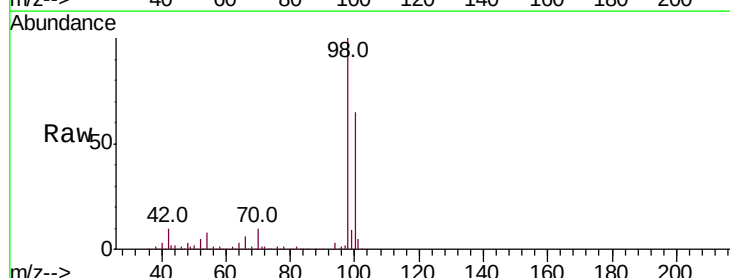
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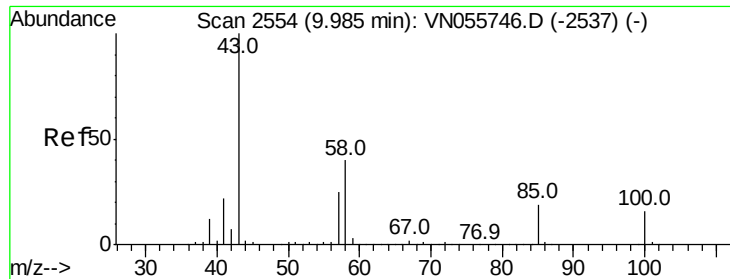
MMDadoda  
6/4/2019 11:25:04 AM



#50  
Toluene-d8  
Concen: 50.731 ug/l  
RT: 10.09 min Scan# 2586  
Delta R.T. -0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 98      | 100   |       |       |
| 100     | 65.2  | 51.9  | 77.9  |





#51

4-Methyl-2-Pentanone

Concen: 267.421 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 993371

Ion Ratio Lower Upper

43 100

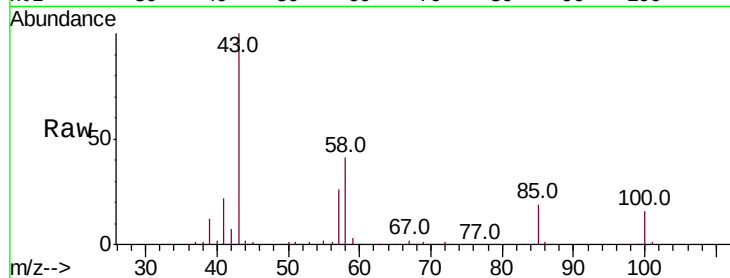
58 40.4 32.1 48.1

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

600000

500000

400000

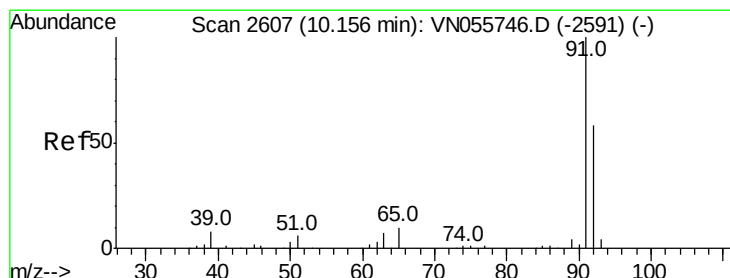
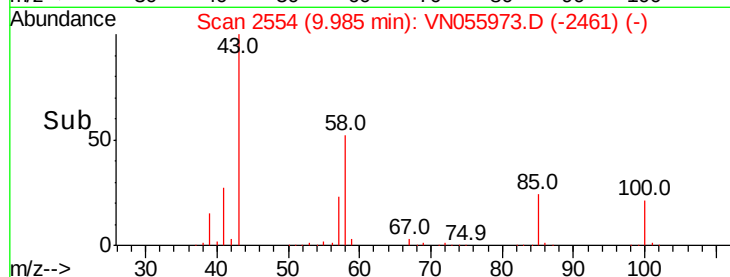
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 50.396 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN055973.D

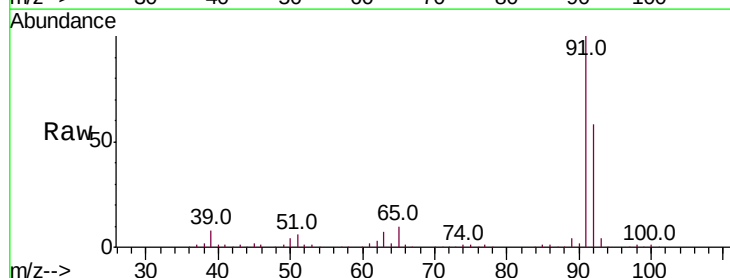
Acq: 3 Jun 2019 20:05

Tgt Ion: 92 Resp: 369978

Ion Ratio Lower Upper

92 100

91 174.0 139.4 209.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

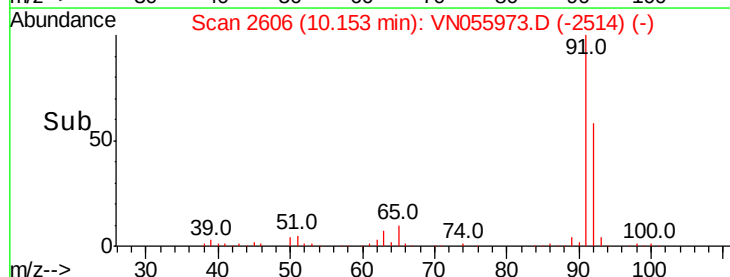
300000

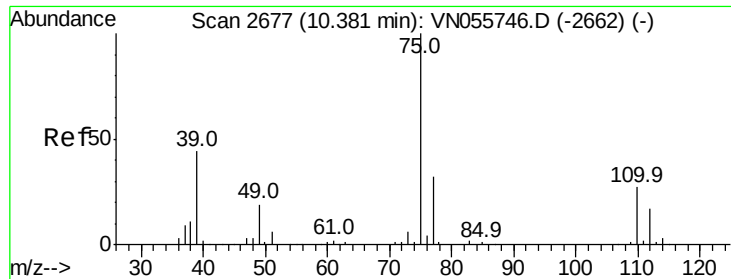
200000

100000

0

Time-->





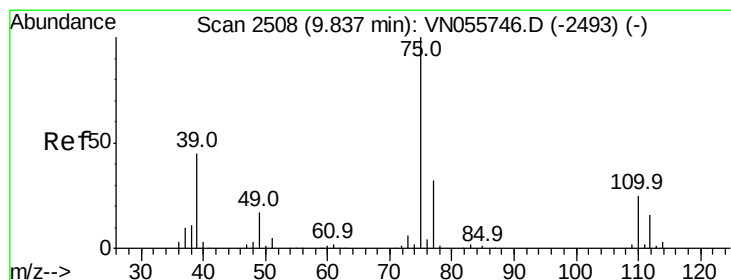
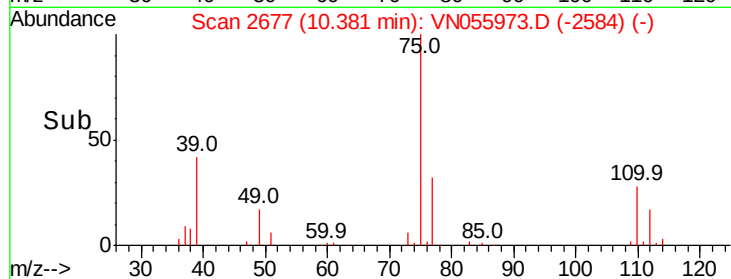
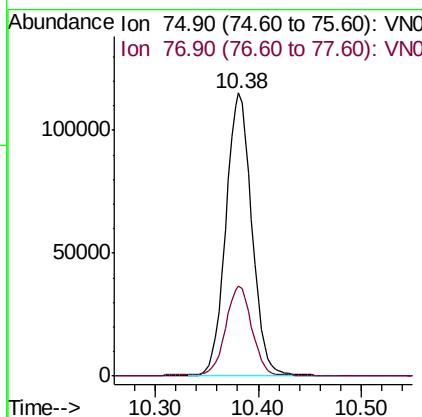
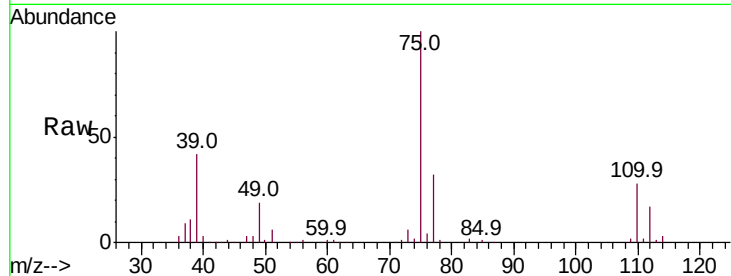
#53  
 t-1,3-Dichloropropene  
 Concen: 46.503 ug/l  
 RT: 10.38 min Scan# 2677  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

Tot Ion: 75 Resp: 203013  
 Ion Ratio Lower Upper  
 75 100  
 77 31.8 25.8 38.6

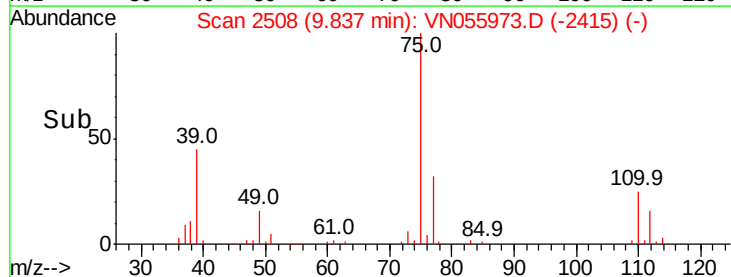
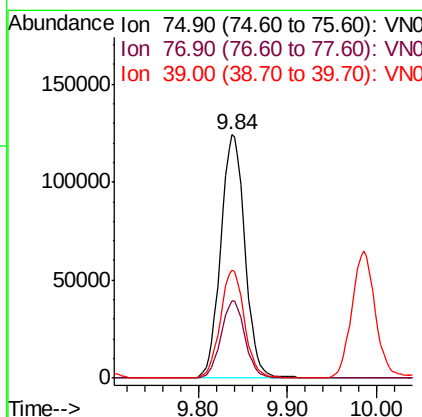
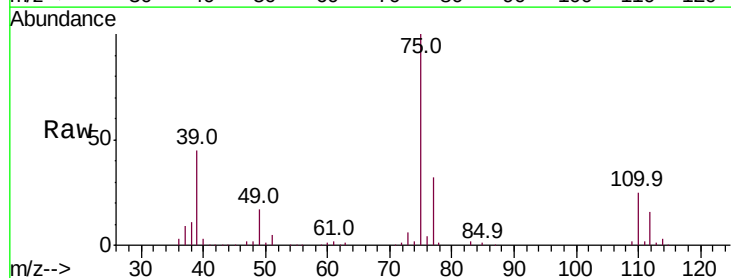
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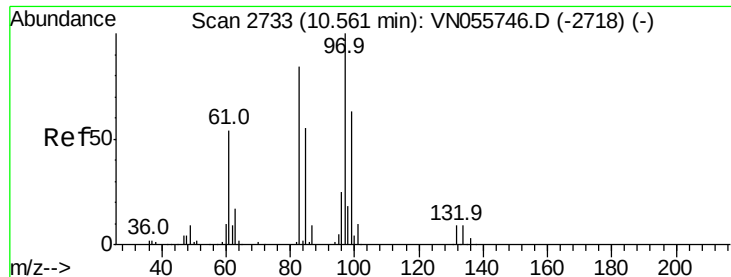


#54  
 cis-1,3-Dichloropropene  
 Concen: 48.182 ug/l  
 RT: 9.84 min Scan# 2508  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Tgt Ion: 75 Resp: 233017  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.4 38.0  
 39 44.6 36.3 54.5







#55

1,1,2-Trichloroethane

Concen: 52.288 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 153783

Ion Ratio Lower Upper

97 100

83 85.9 67.0 100.6

85 55.8 44.0 66.0

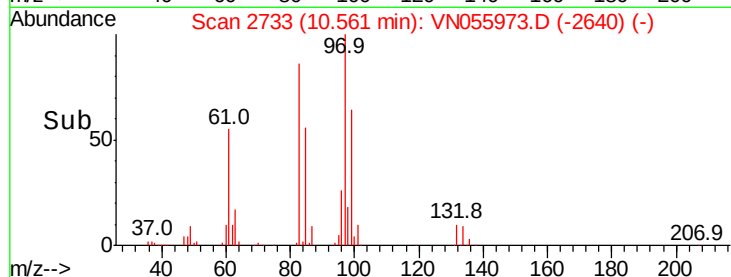
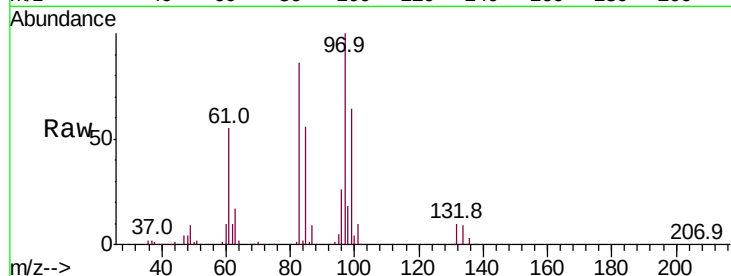
99 63.3 50.6 75.8

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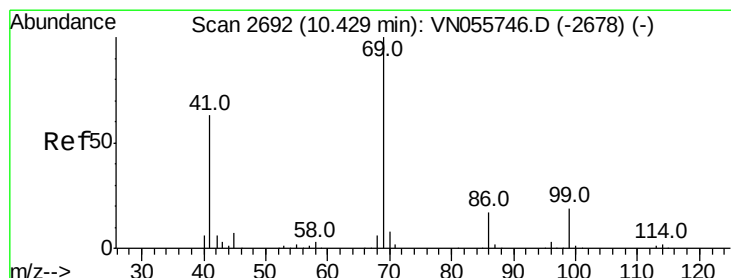
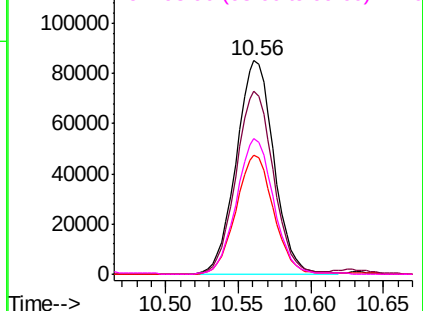


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 52.524 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

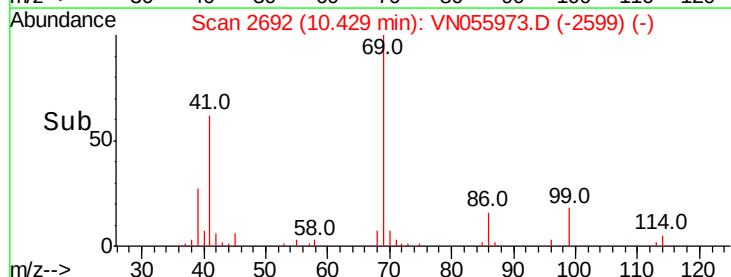
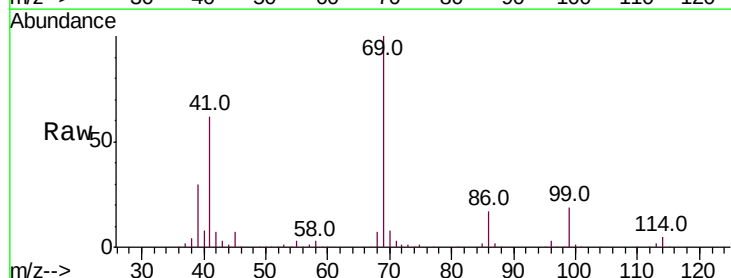
Tgt Ion: 69 Resp: 238739

Ion Ratio Lower Upper

69 100

41 62.9 49.7 74.5

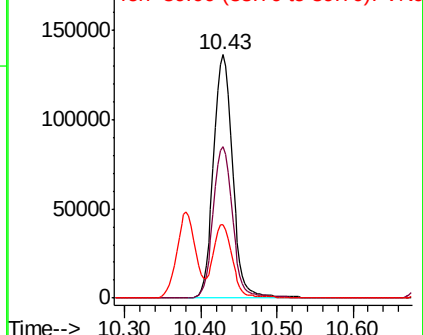
39 29.8 24.7 37.1

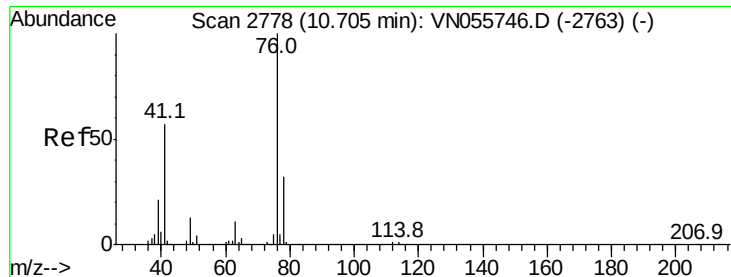


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





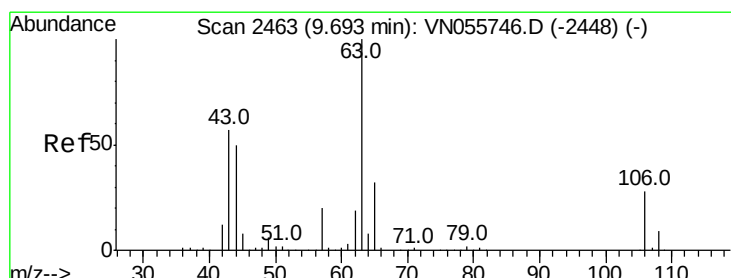
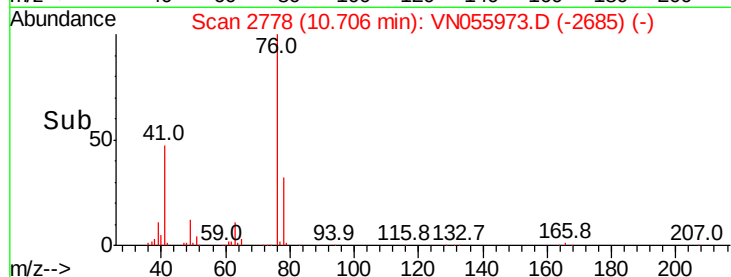
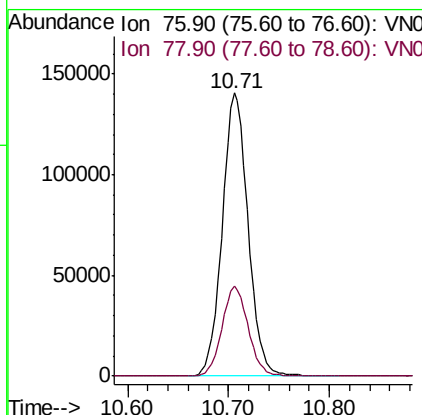
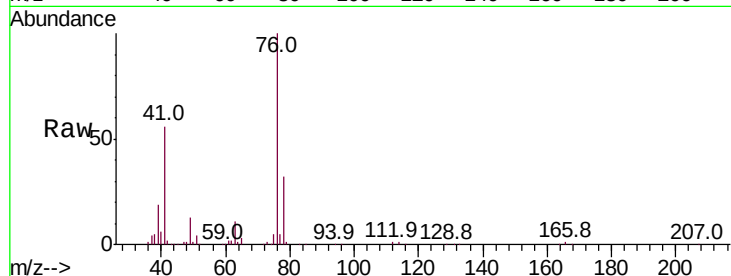
#57  
 1,3-Dichloropropane  
 Concen: 52.454 ug/l  
 RT: 10.71 min Scan# 2778  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

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

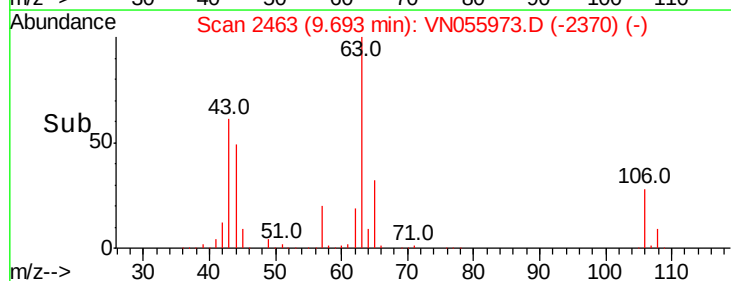
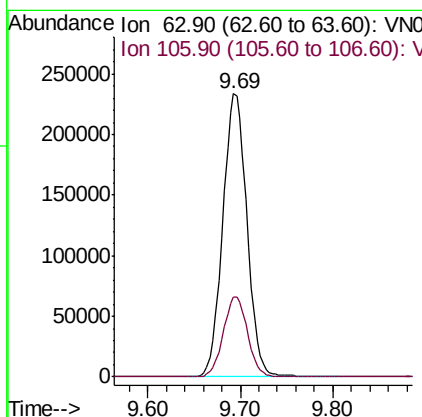
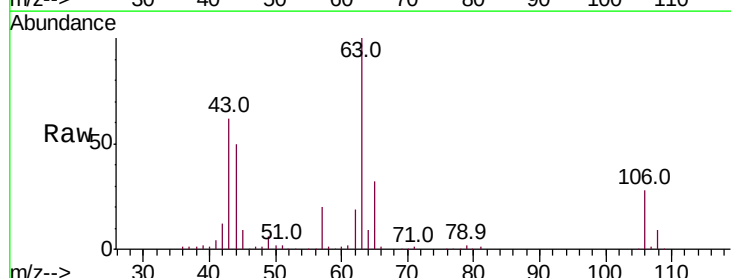
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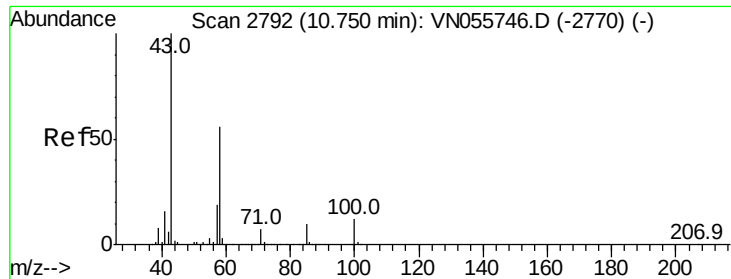
MMDadoda  
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#58  
 2-Chloroethyl Vinyl ether  
 Concen: 242.676 ug/l  
 RT: 9.69 min Scan# 2463  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 63      | 100   |       |       |
| 106     | 28.2  | 22.7  | 34.1  |





#59

2-Hexanone

Concen: 262.612 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampled :

VSTDCCC050EC

Tot Ion: 43 Resp: 692034

Ion Ratio Lower Upper

43 100

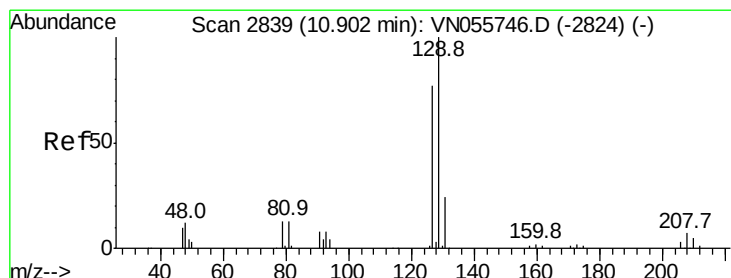
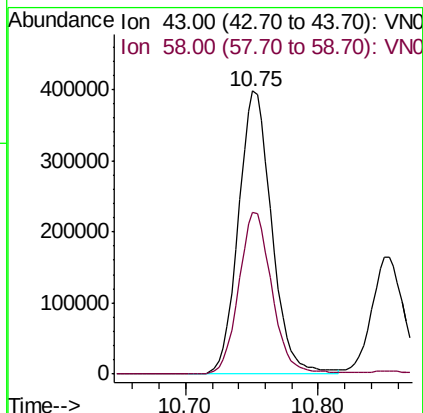
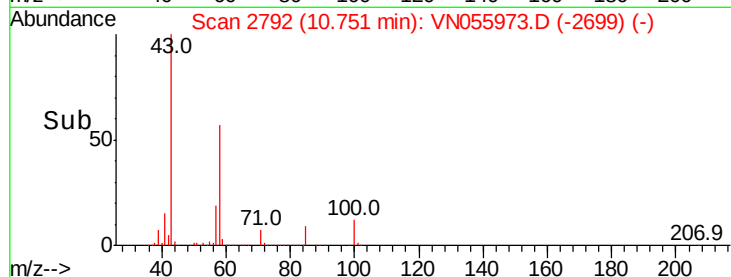
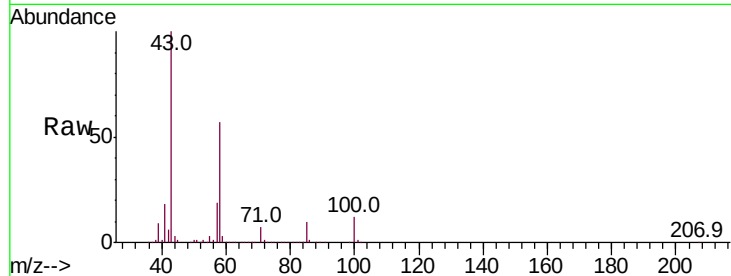
58 57.2 28.2 84.7

Manual Integrations

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#60

Dibromochloromethane

Concen: 45.807 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN055973.D

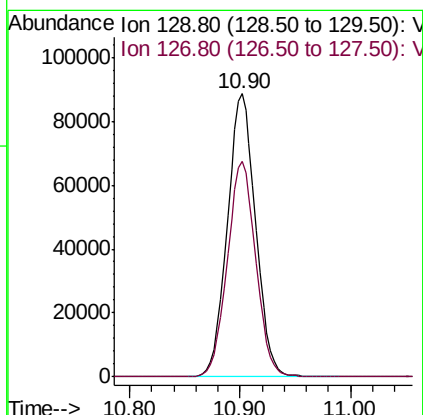
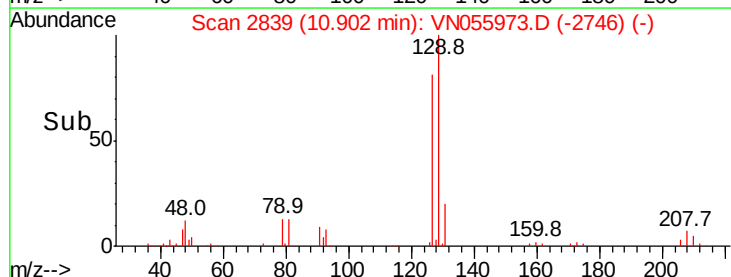
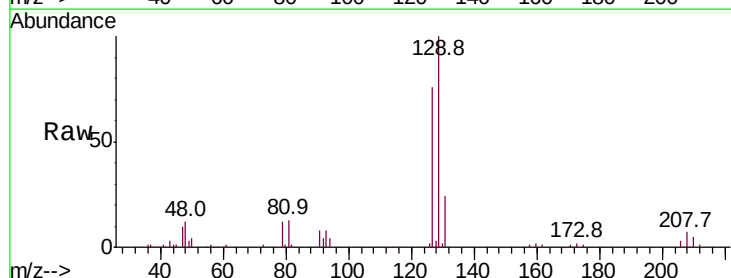
Acq: 3 Jun 2019 20:05

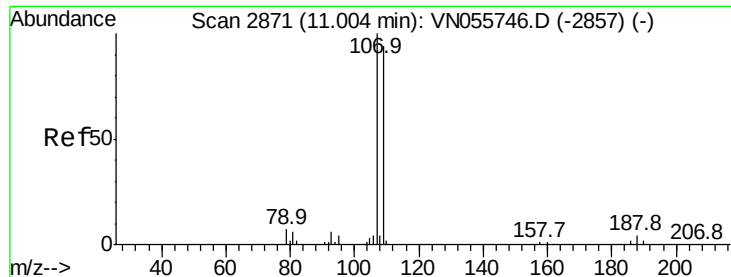
Tgt Ion: 129 Resp: 156943

Ion Ratio Lower Upper

129 100

127 76.6 38.1 114.3





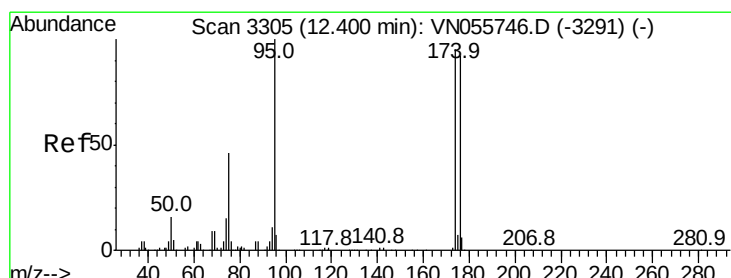
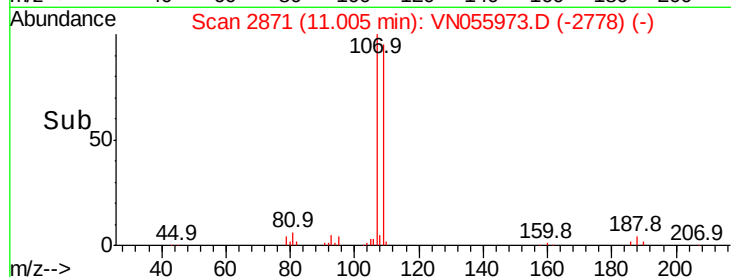
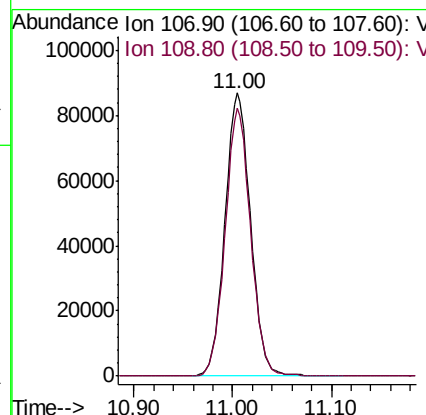
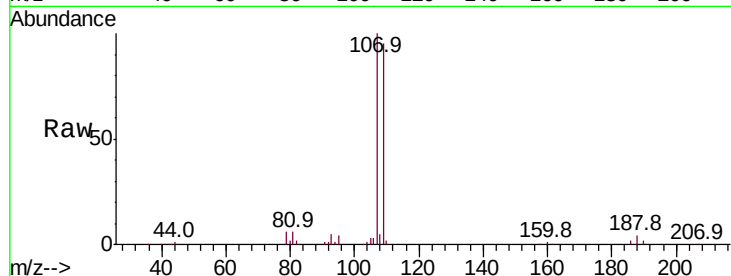
#61  
 1,2-Dibromoethane  
 Concen: 51.949 ug/l  
 RT: 11.00 min Scan# 2871  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 107     | 100   |       |       |
| 109     | 94.0  | 74.8  | 112.2 |

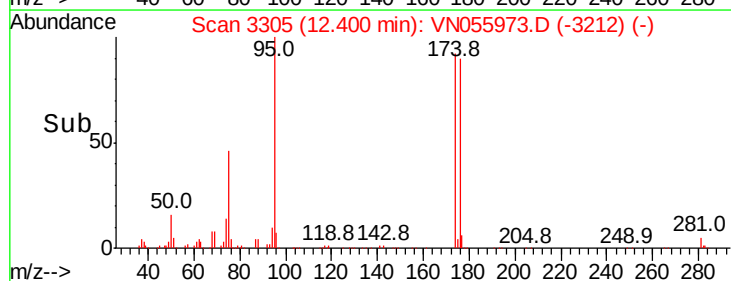
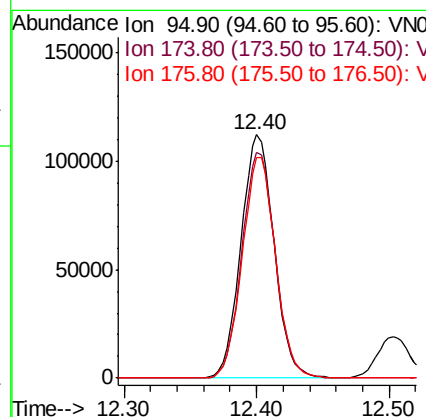
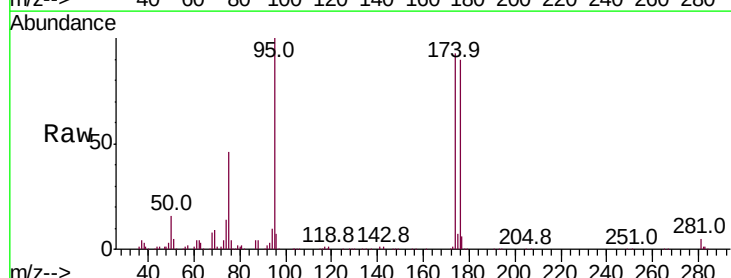
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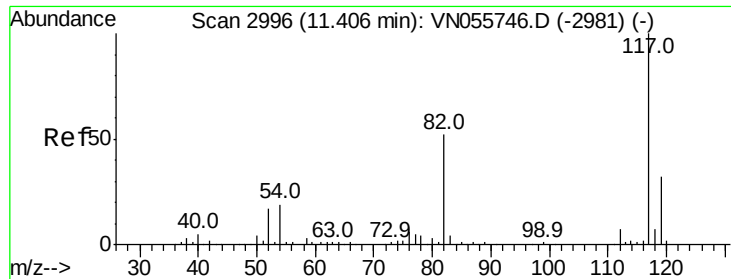
MMDadoda  
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#62  
 4-Bromofluorobenzene  
 Concen: 52.606 ug/l  
 RT: 12.40 min Scan# 3305  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 95      | 100   |       |       |
| 174     | 93.5  | 0.0   | 191.0 |
| 176     | 91.2  | 0.0   | 185.2 |





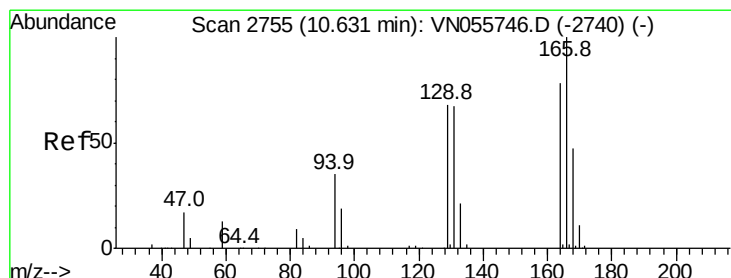
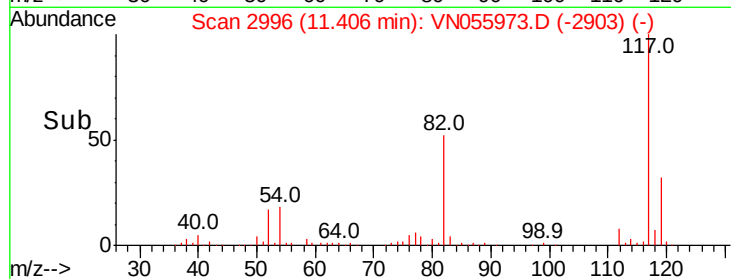
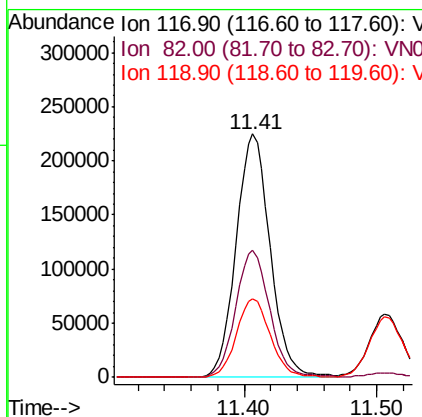
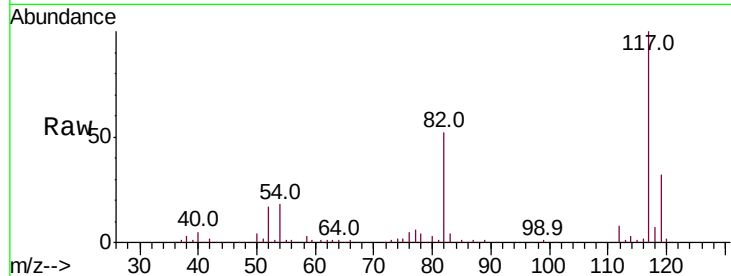
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.41 min Scan# 2996  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 52.1  | 41.8  | 62.8  |
| 119     | 32.2  | 25.4  | 38.0  |

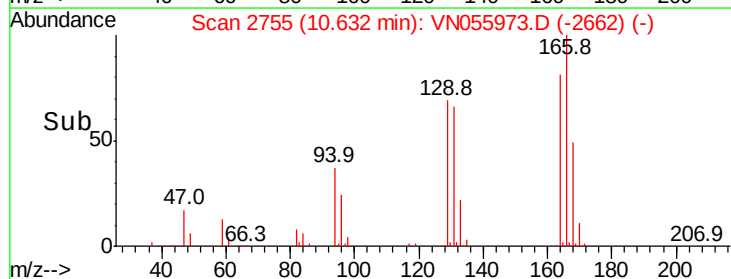
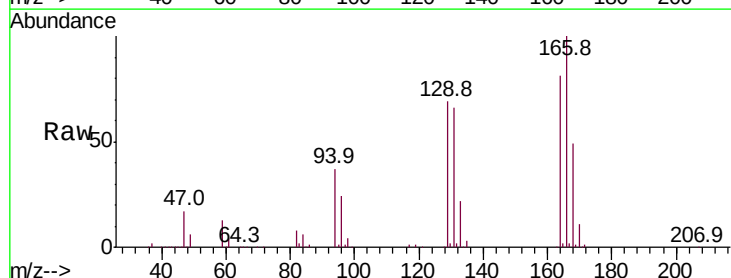
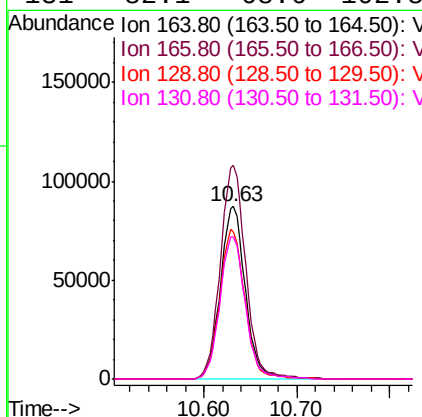
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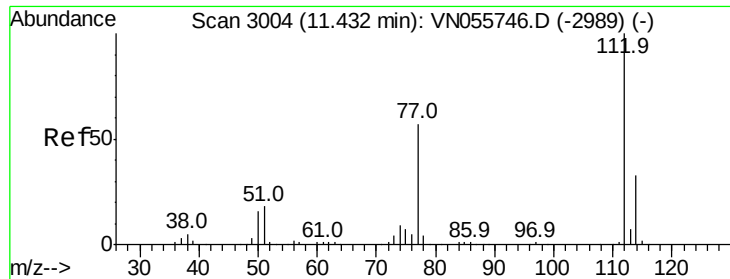
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#64  
Tetrachloroethene  
Concen: 48.124 ug/l  
RT: 10.63 min Scan# 2755  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 164     | 100   |       |       |
| 166     | 123.9 | 103.0 | 154.6 |
| 129     | 85.2  | 70.6  | 105.8 |
| 131     | 82.1  | 68.6  | 102.8 |





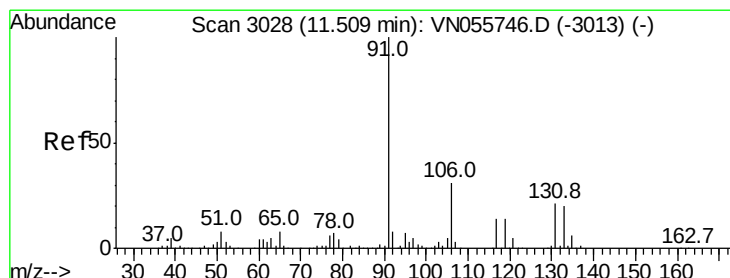
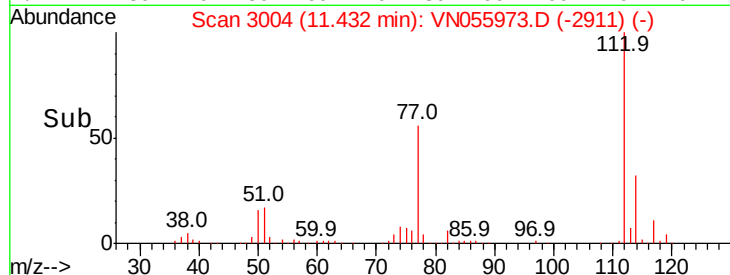
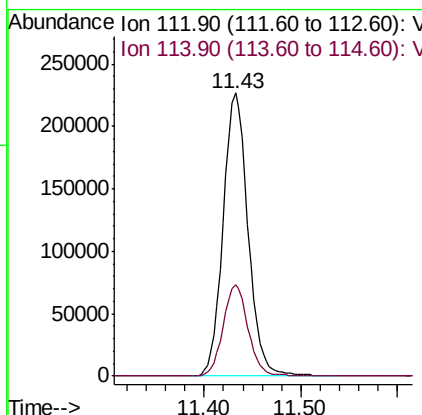
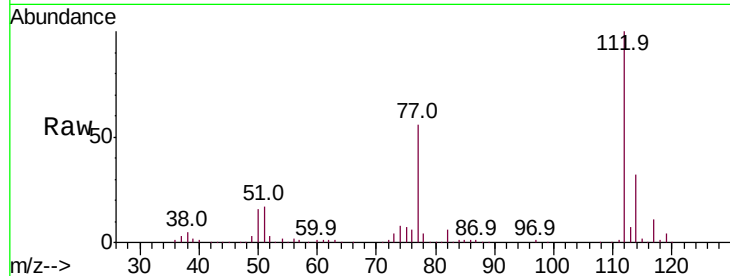
#65  
Chlorobenzene  
Concen: 50.462 ug/l  
RT: 11.43 min Scan# 3004  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampled :  
VSTDCCC050EC

Tot Ion:112 Resp: 405530  
Ion Ratio Lower Upper  
112 100  
114 32.2 26.2 39.4

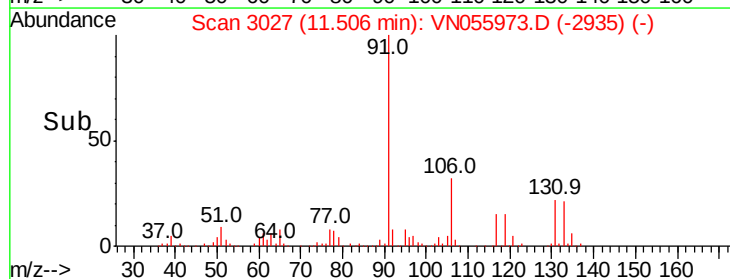
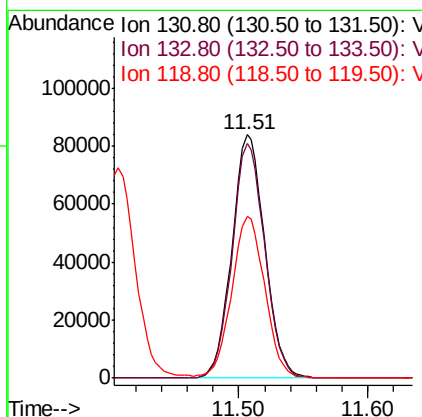
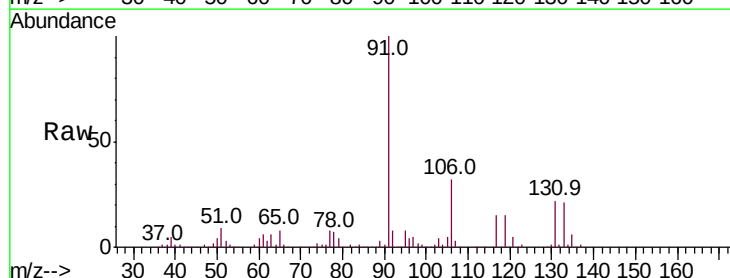
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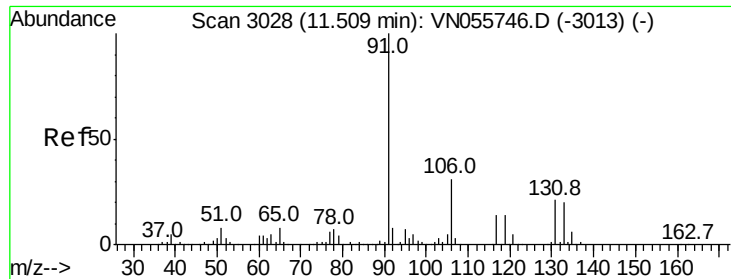
MMDadoda  
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#66  
1,1,1,2-Tetrachloroethane  
Concen: 46.319 ug/l  
RT: 11.51 min Scan# 3027  
Delta R.T. -0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Tgt Ion:131 Resp: 148460  
Ion Ratio Lower Upper  
131 100  
133 95.8 48.0 144.0  
119 67.2 33.1 99.5





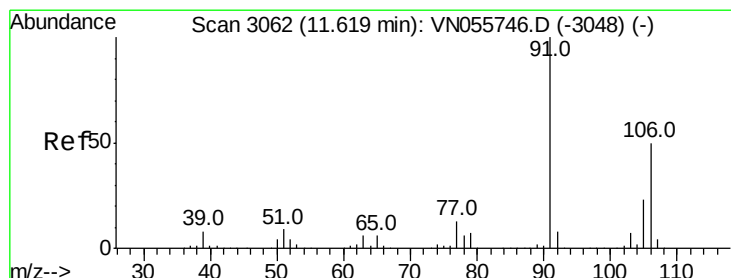
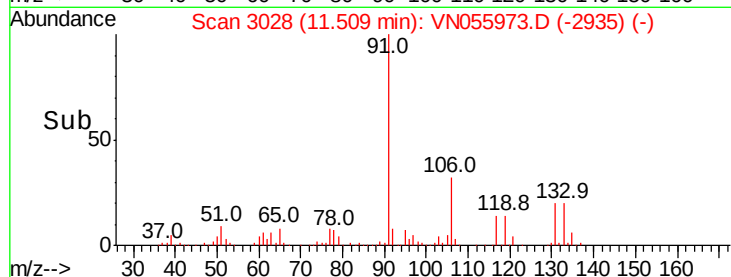
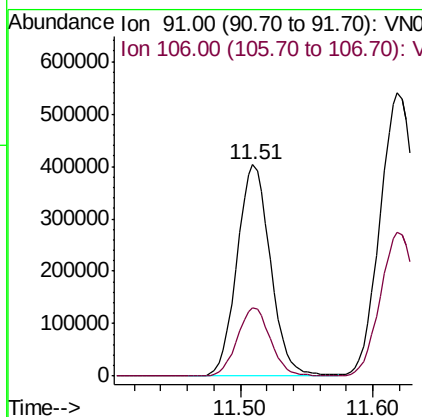
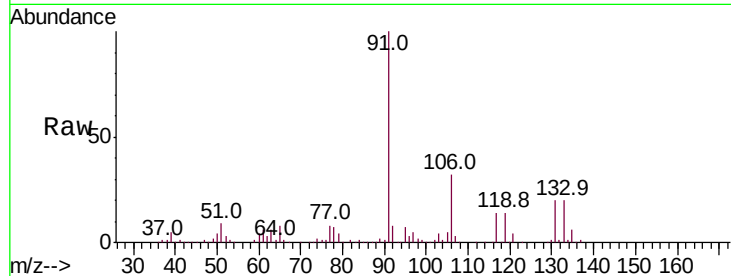
#67  
Ethyl Benzene  
Concen: 49.057 ug/l  
RT: 11.51 min Scan# 3028  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion: 91 Resp: 706974  
Ion Ratio Lower Upper  
91 100  
106 32.3 25.1 37.7

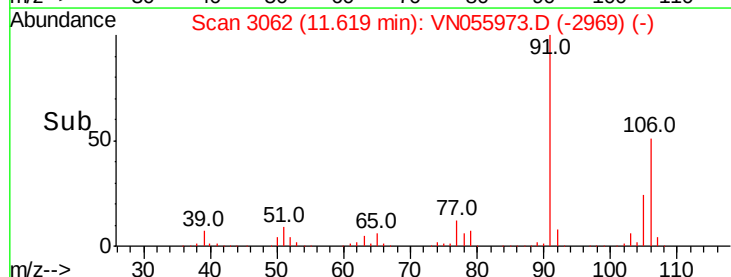
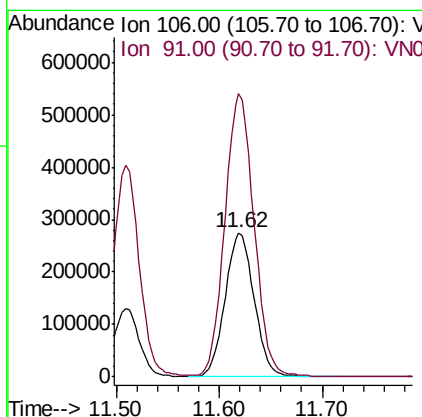
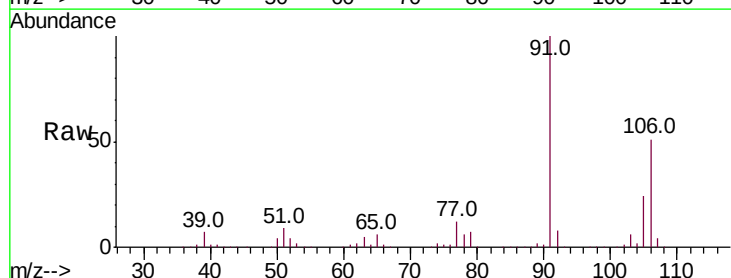
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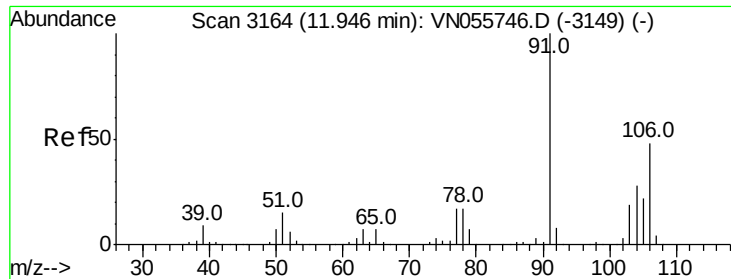
MMDadoda  
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#68  
m/p-Xylenes  
Concen: 98.866 ug/l  
RT: 11.62 min Scan# 3062  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Tgt Ion: 106 Resp: 538644  
Ion Ratio Lower Upper  
106 100  
91 198.2 159.3 238.9





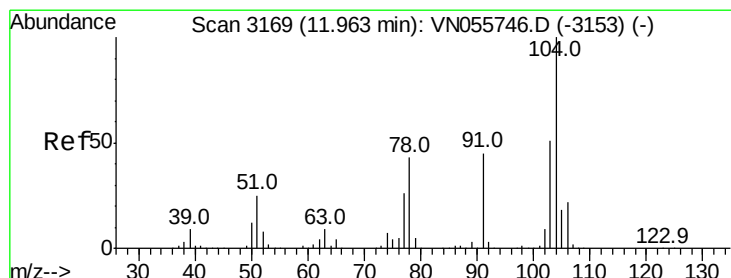
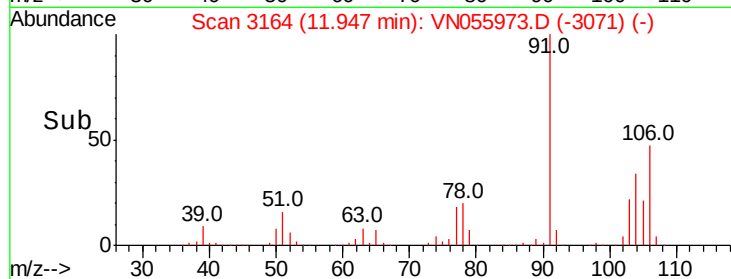
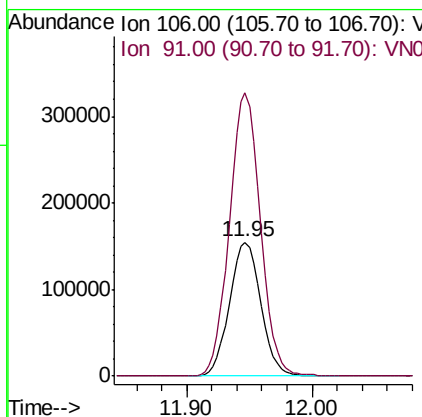
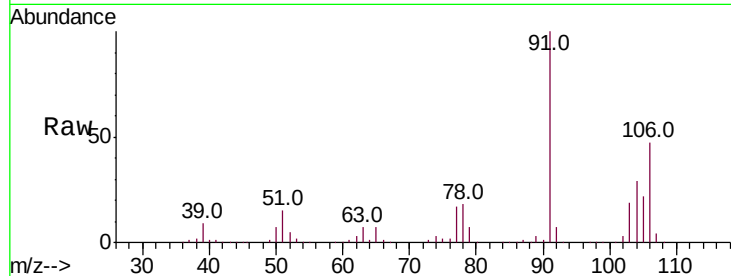
#69  
o-Xylene  
Concen: 49.614 ug/l  
RT: 11.95 min Scan# 3164  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

Tot Ion:106 Resp: 268181  
Ion Ratio Lower Upper  
106 100  
91 208.8 104.7 314.1

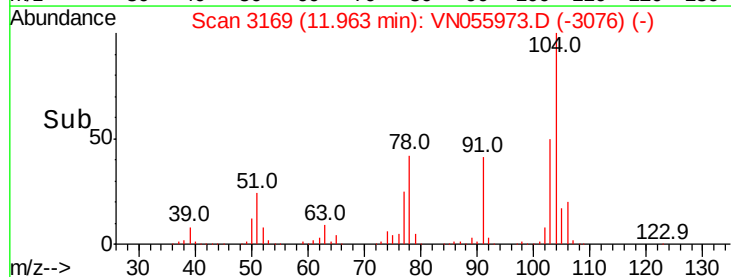
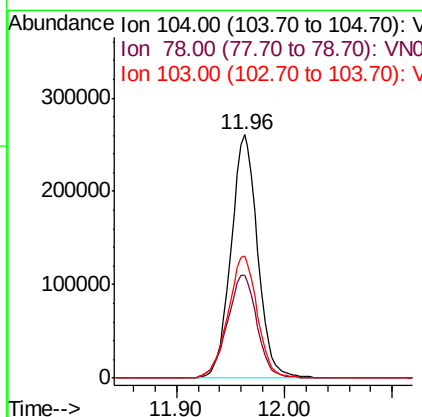
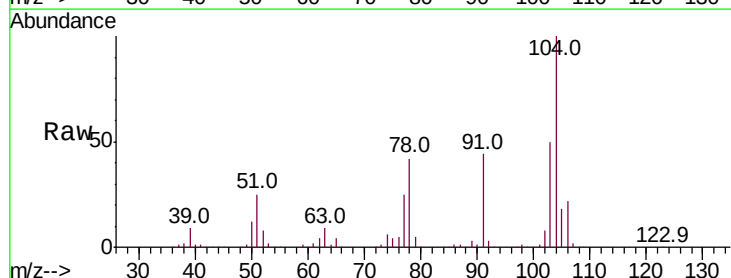
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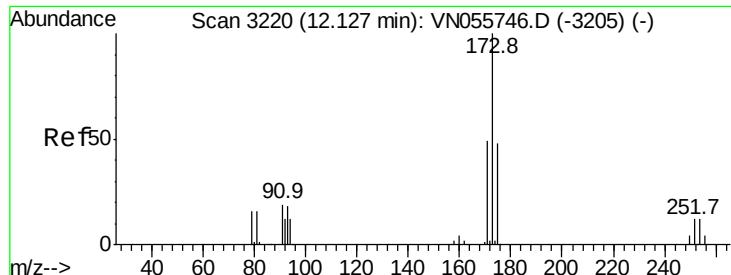


#70  
Styrene  
Concen: 51.262 ug/l  
RT: 11.96 min Scan# 3169  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Tgt Ion:104 Resp: 448718  
Ion Ratio Lower Upper  
104 100  
78 47.3 37.8 56.6  
103 55.2 44.2 66.2







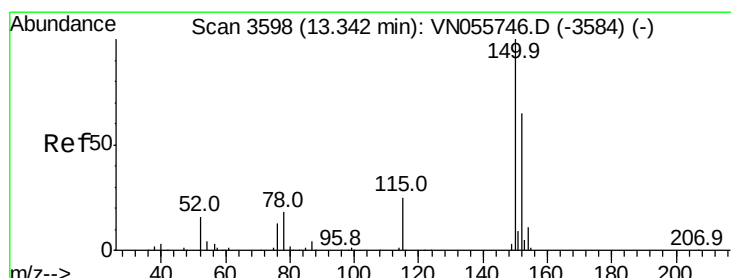
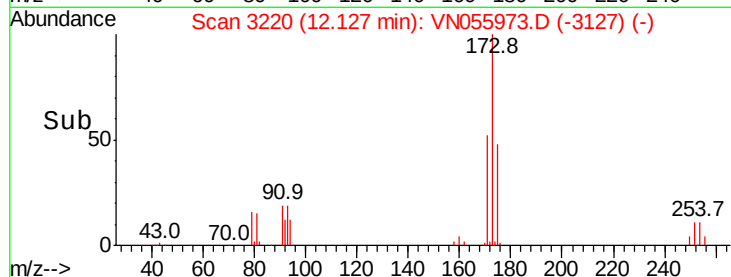
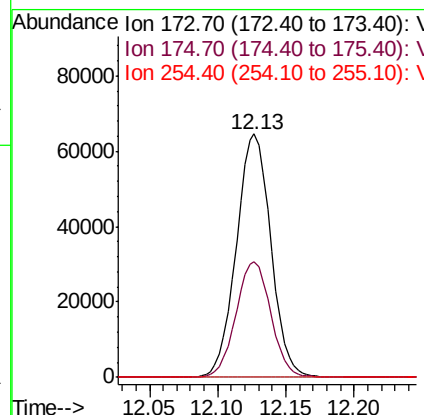
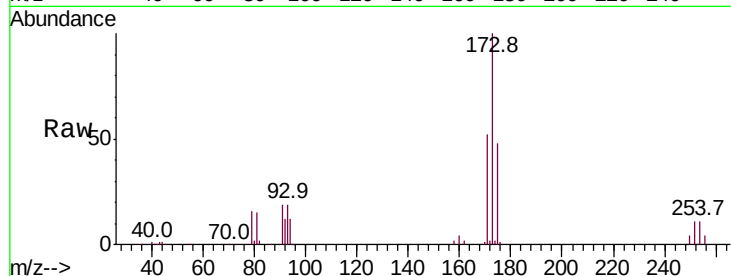
#71  
Bromoform  
Concen: 41.493 ug/l  
RT: 12.13 min Scan# 3220  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 47.8  | 24.3  | 72.8  |
| 254     | 0.0   | 0.0   | 0.0   |

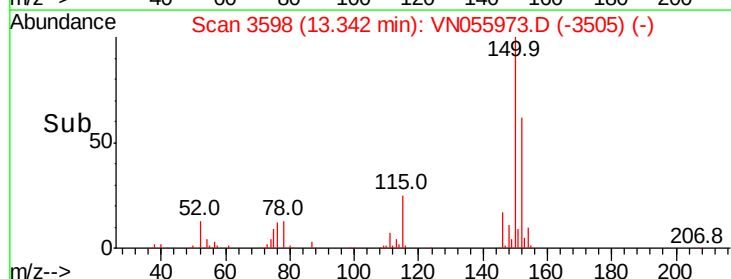
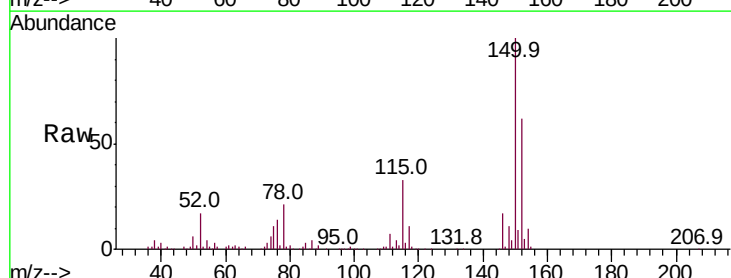
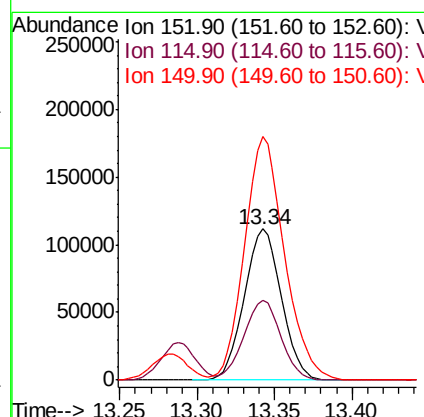
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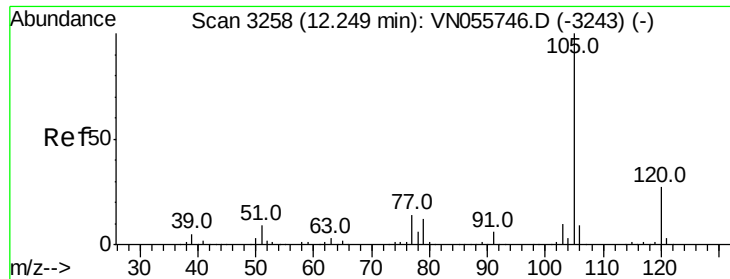
MMDadoda  
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#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.34 min Scan# 3598  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 52.8  | 27.0  | 81.0  |
| 150     | 173.8 | 0.0   | 343.2 |





#73

Isopropylbenzene

Concen: 53.577 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 706560

Ion Ratio Lower Upper

105 100

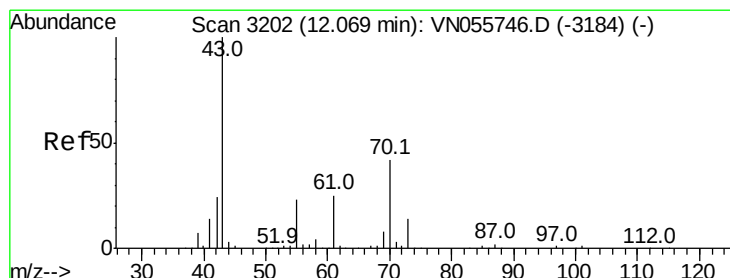
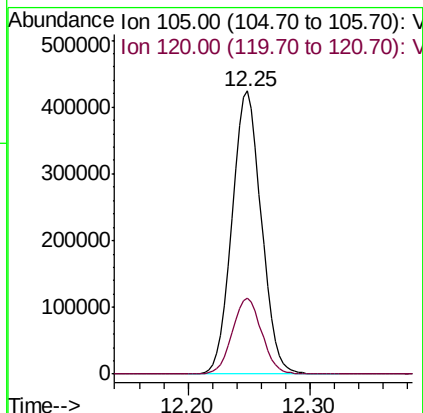
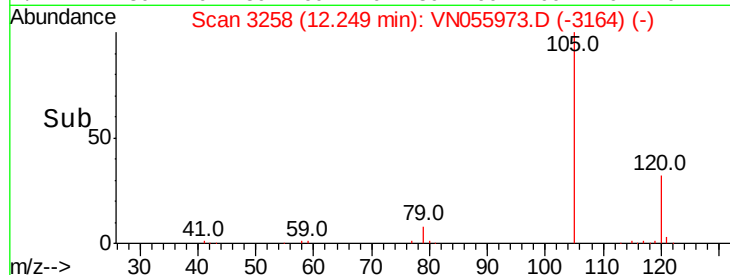
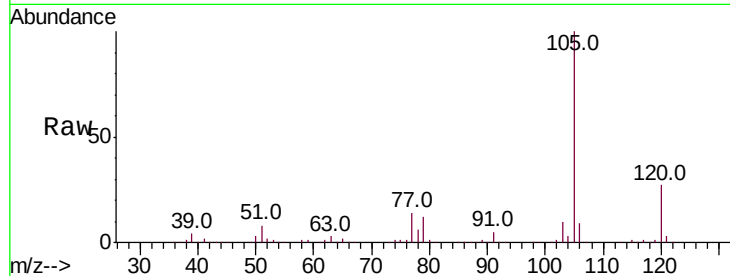
120 27.0 13.6 40.7

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#74

N-ethyl acetate

Concen: 52.331 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Tgt Ion: 43 Resp: 263119

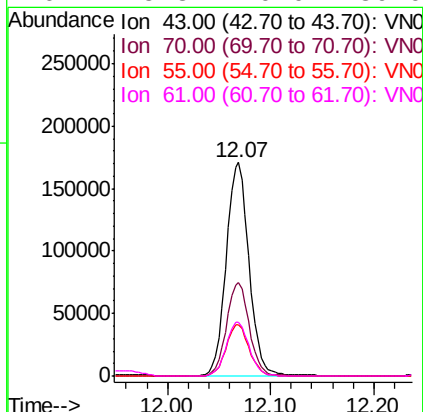
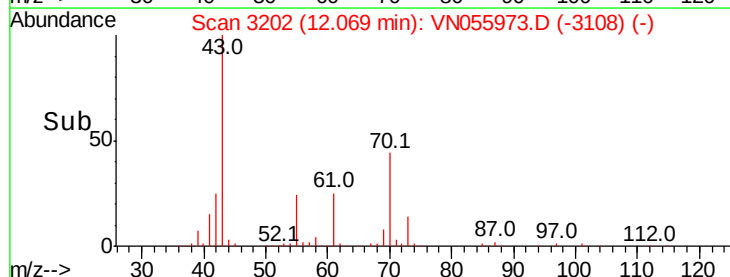
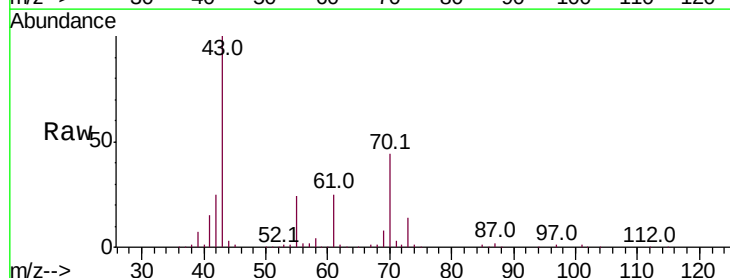
Ion Ratio Lower Upper

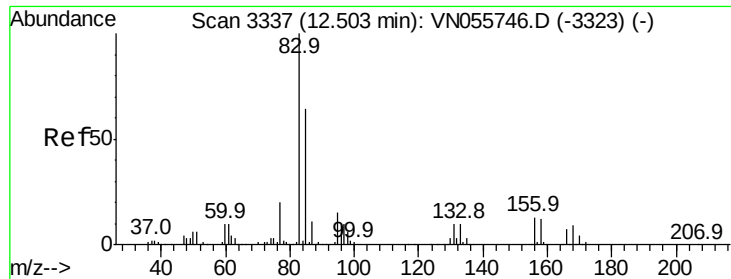
43 100

70 43.8 34.0 51.0

55 24.4 18.6 28.0

61 25.3 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 57.042 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

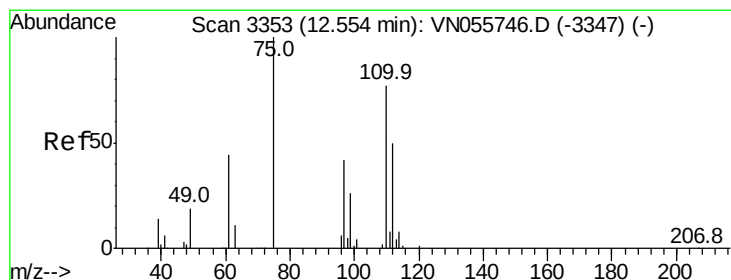
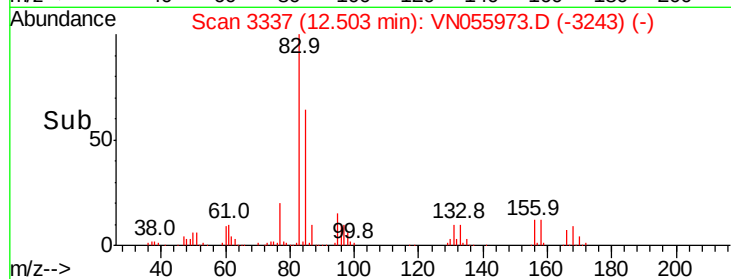
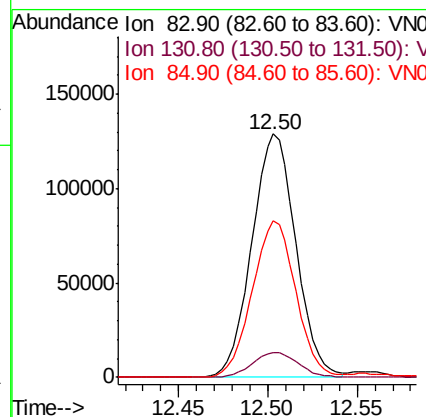
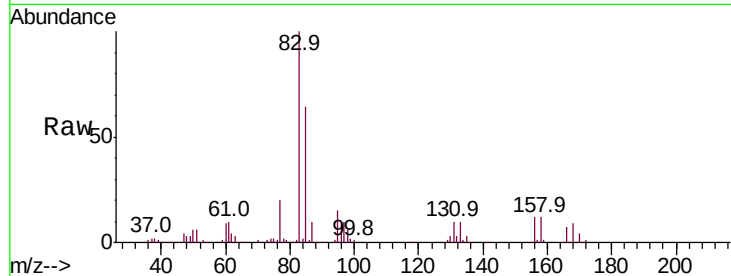
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 83    | Resp: | 221763 |
| Ion Ratio | Lower | Upper |        |
| 83        | 100   |       |        |
| 131       | 10.7  | 5.4   | 16.2   |
| 85        | 63.7  | 32.4  | 97.0   |

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#76

1,2,3-Trichloropropane

Concen: 60.835 ug/l m

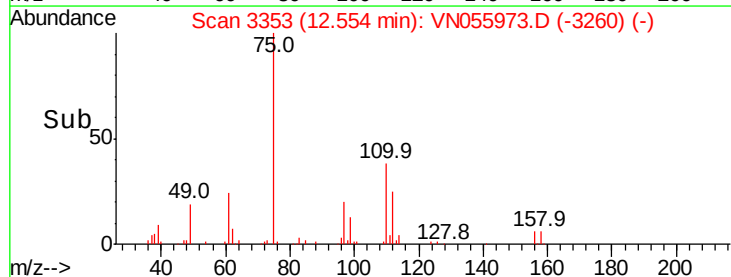
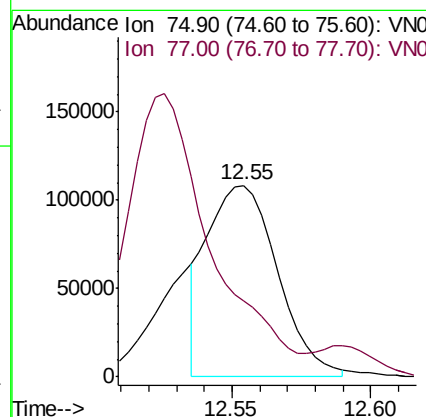
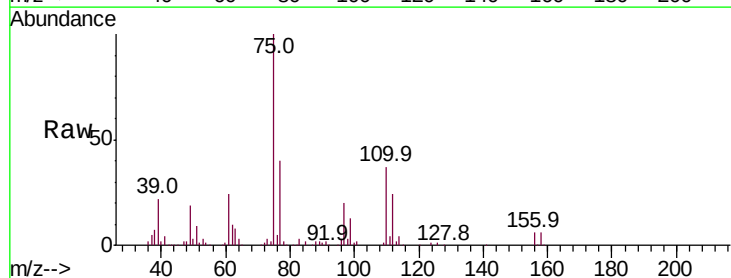
RT: 12.55 min Scan# 3353

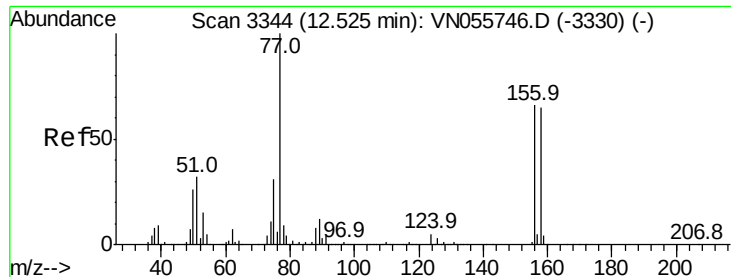
Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 75    | Resp: | 192712 |
| Ion Ratio | Lower | Upper |        |
| 75        | 100   |       |        |
| 77        | 0.0   | 0.0   | 0.0    |





#77

Bromobenzene

Concen: 48.143 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

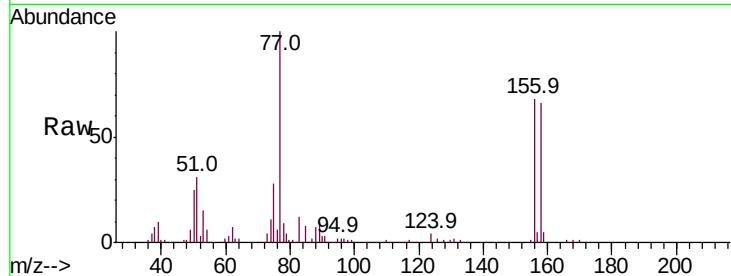
ClientSampleId :

VSTDCCC050EC

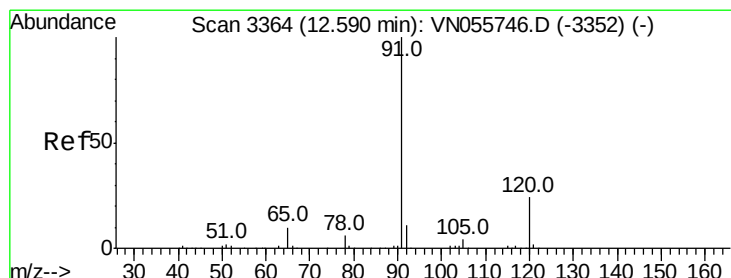
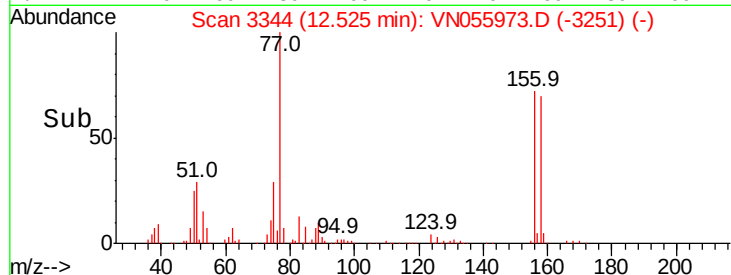
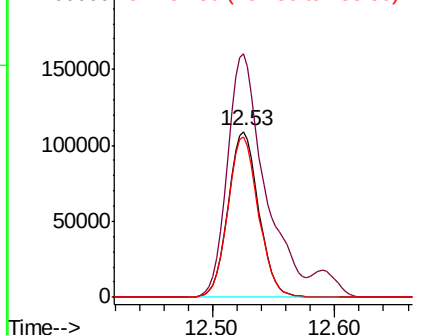
|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 156   | Resp: | 191140 |
| Ion Ratio | Lower | Upper |        |
| 156       | 100   |       |        |
| 77        | 179.3 | 90.8  | 272.5  |
| 158       | 96.8  | 49.3  | 147.8  |

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Abundance Ion 155.80 (155.50 to 156.50): V  
Ion 77.00 (76.70 to 77.70): VNO  
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.907 ug/l

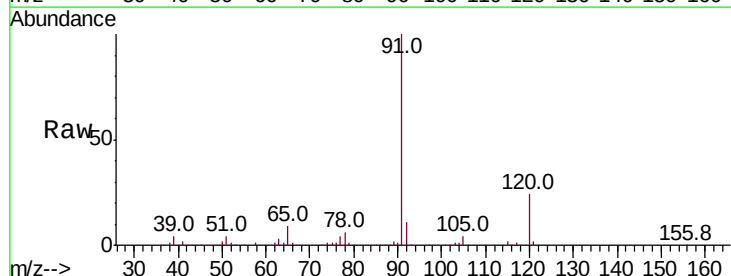
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

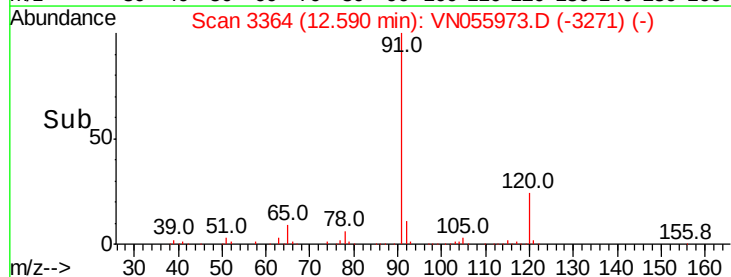
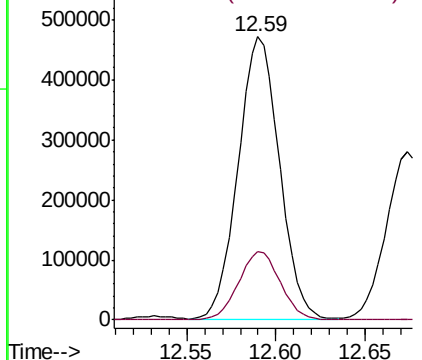
Lab File: VN055973.D

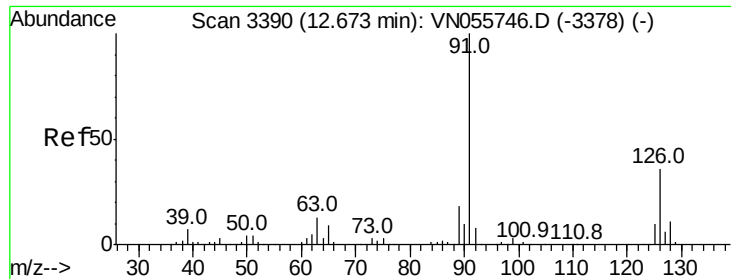
Acq: 3 Jun 2019 20:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 758526 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 24.5  | 12.0  | 36.0   |



Abundance Ion 91.00 (90.70 to 91.70): VNO  
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 53.154 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 461590

Ion Ratio Lower Upper

91 100

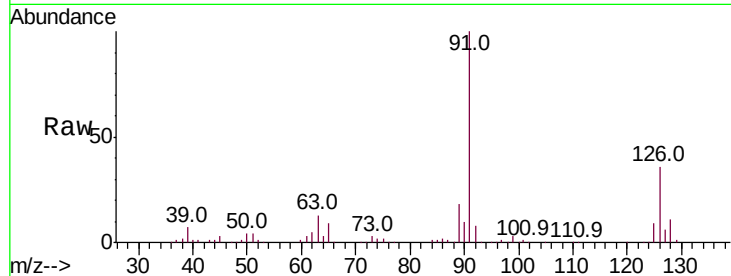
126 36.0 18.1 54.4

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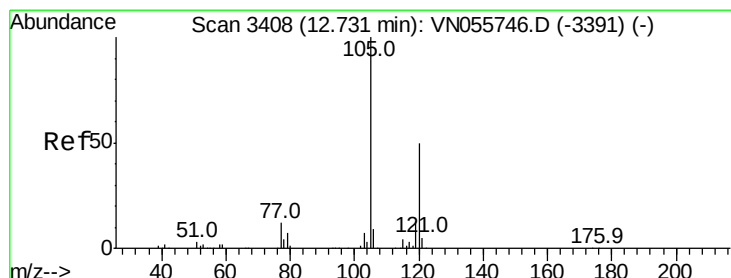
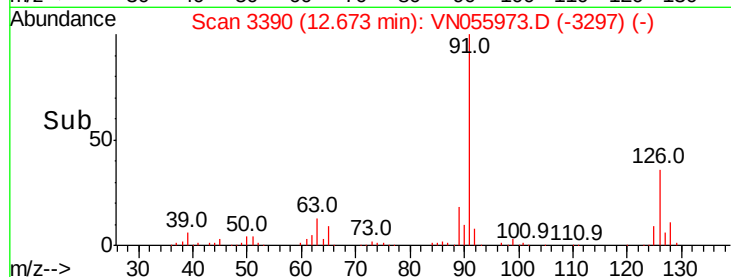


Abundance Ion 91.00 (90.70 to 91.70): VN055746.D (-3378) (-)

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

Time-->

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 52.525 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055973.D

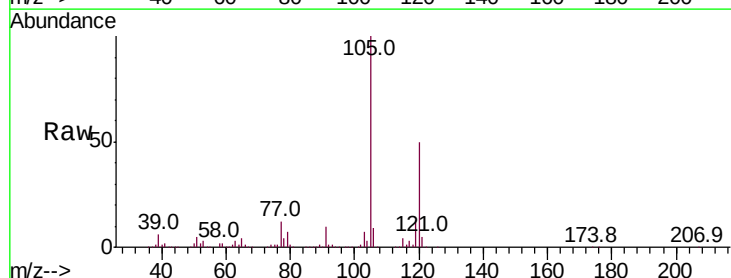
Acq: 3 Jun 2019 20:05

Tgt Ion: 105 Resp: 583697

Ion Ratio Lower Upper

105 100

120 50.0 24.7 74.1

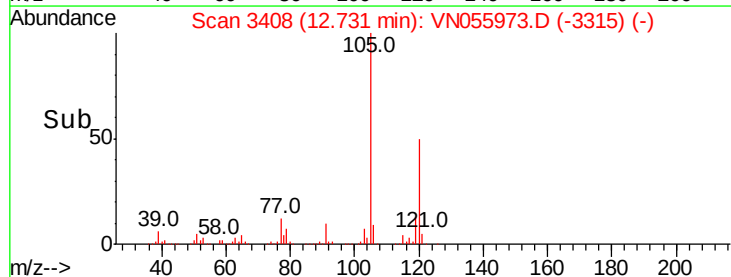


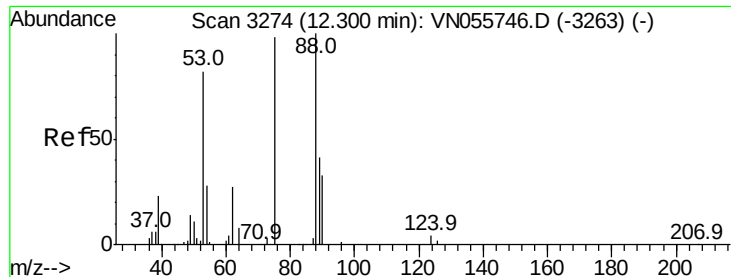
Abundance Ion 105.00 (104.70 to 105.70): VN055746.D (-3391) (-)

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

Time-->

12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 40.758 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

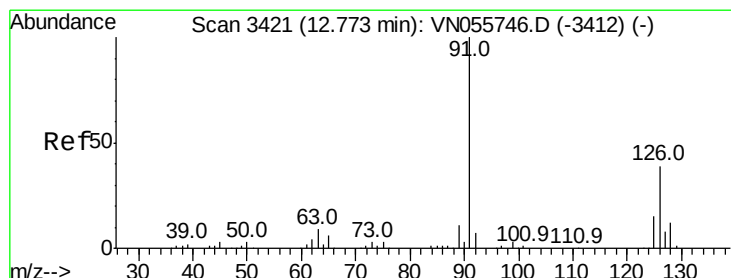
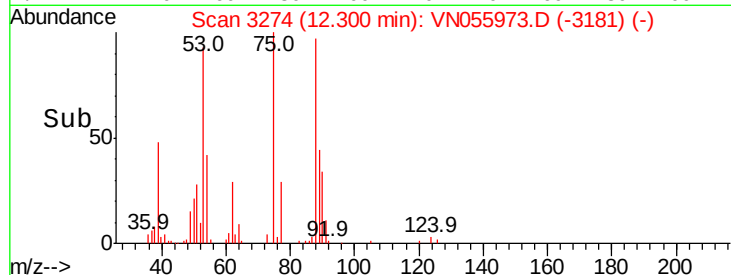
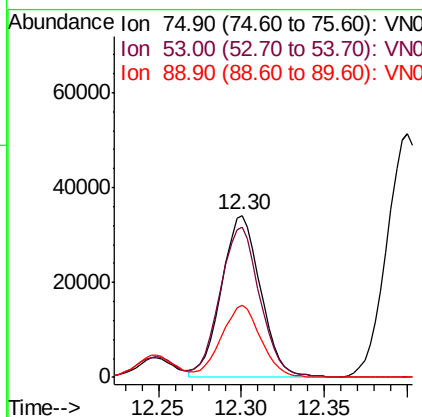
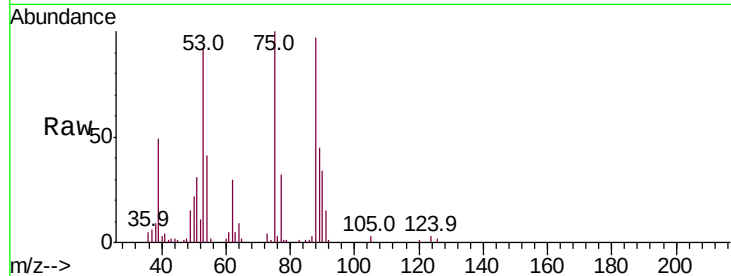
ClientSampleId :

VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 75    | Resp: | 56361 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 94.8  | 68.1  | 102.1 |
| 89       | 44.7  | 36.9  | 55.3  |

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#82

4-Chlorotoluene

Concen: 47.688 ug/l

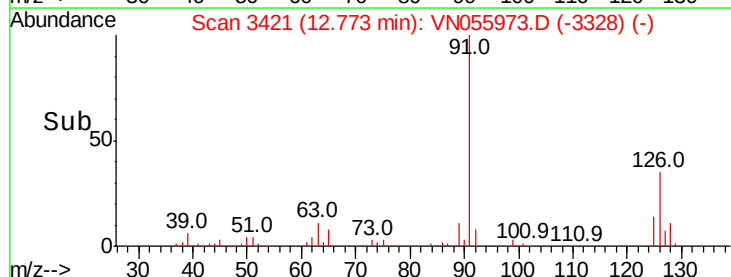
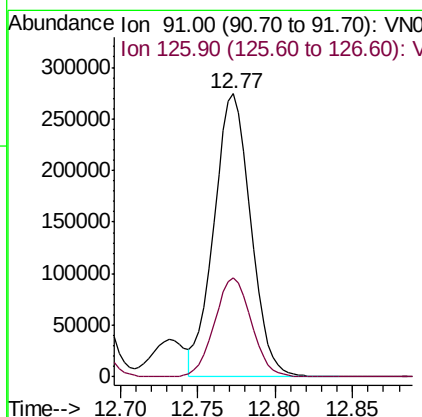
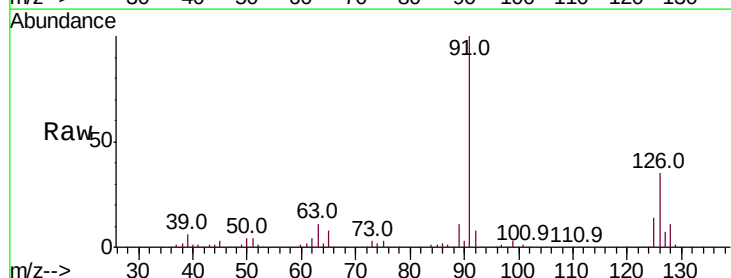
RT: 12.77 min Scan# 3421

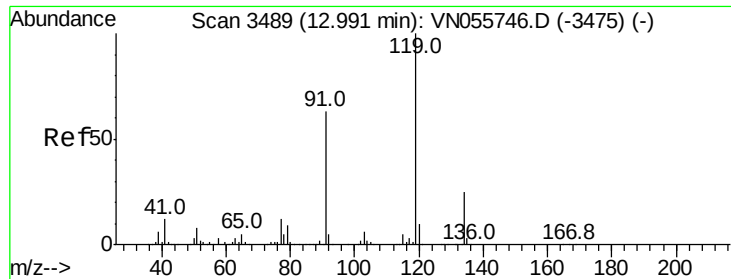
Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 453302 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 35.1  | 17.8  | 53.3   |





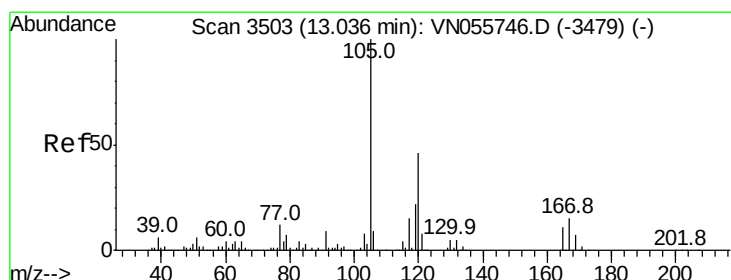
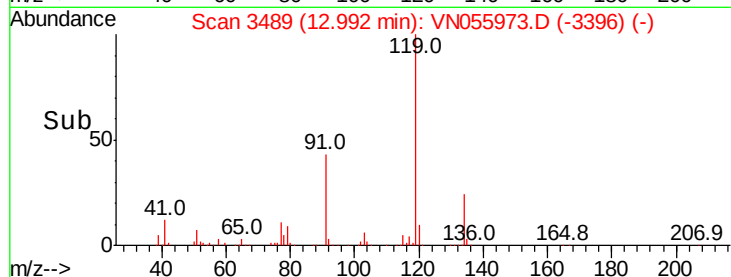
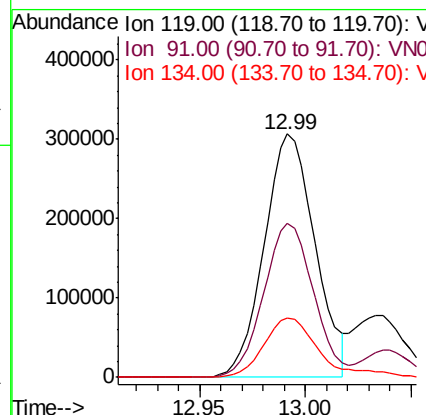
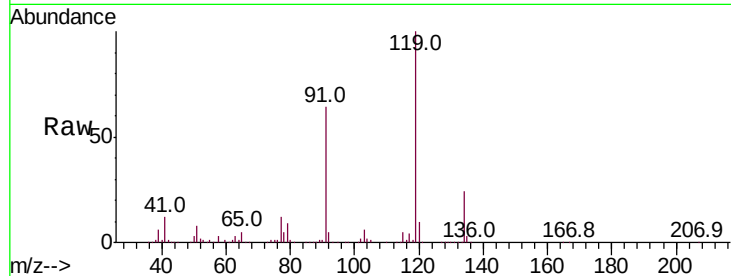
#83  
 tert-Butylbenzene  
 Concen: 53.633 ug/l  
 RT: 12.99 min Scan# 3489  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 91      | 62.3  | 30.9  | 92.8  |
| 134     | 26.7  | 13.3  | 39.8  |

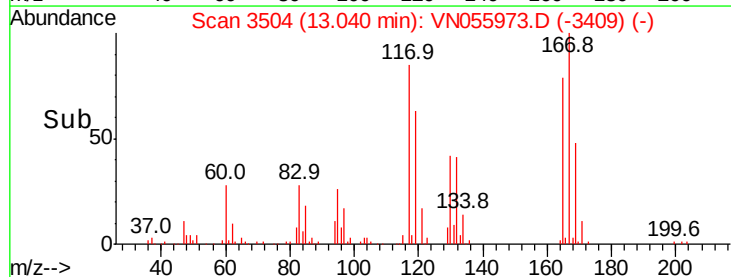
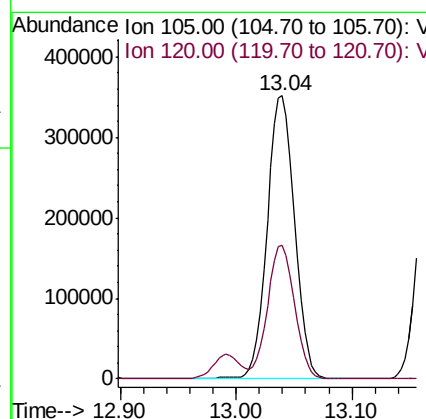
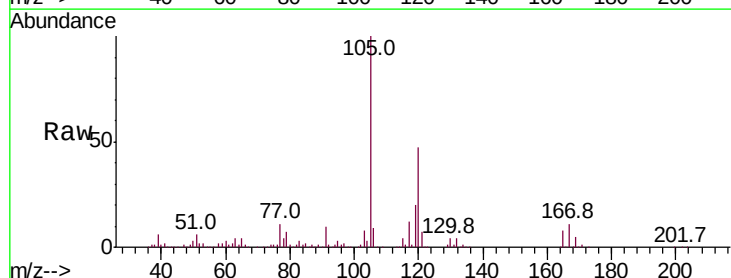
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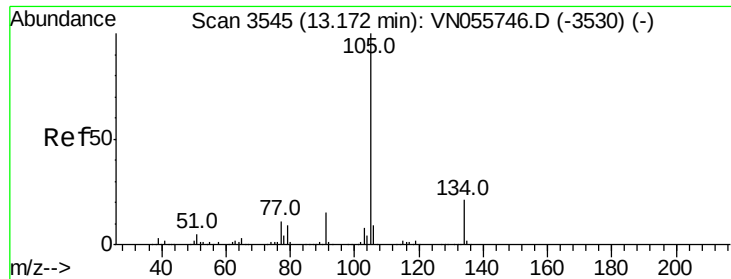
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#84  
 1,2,4-Trimethylbenzene  
 Concen: 52.047 ug/l  
 RT: 13.04 min Scan# 3504  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 105     | 100   |       |       |
| 120     | 46.6  | 23.0  | 69.0  |





#85

sec-Butylbenzene

Concen: 53.463 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 667564

Ion Ratio Lower Upper

105 100

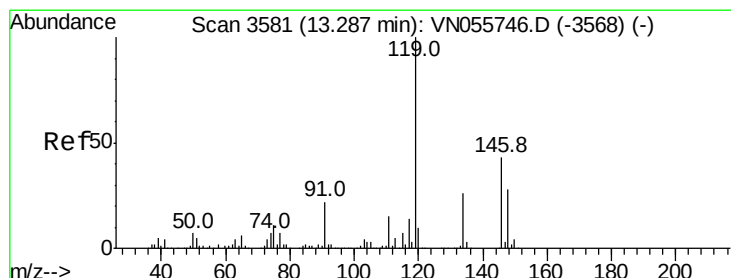
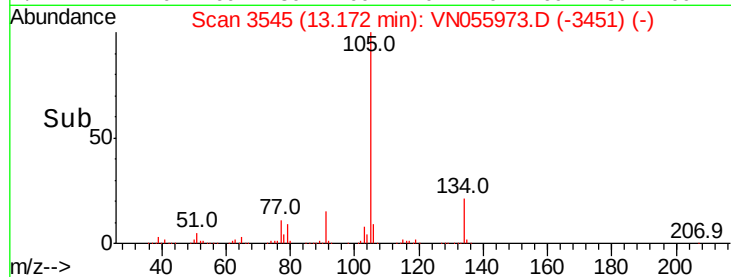
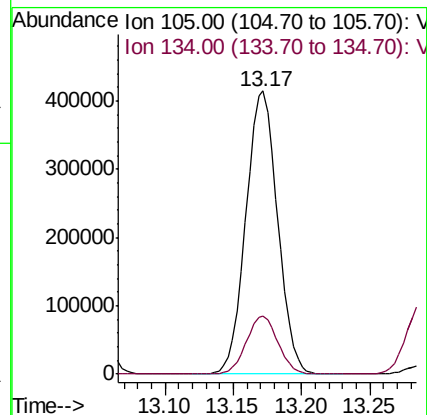
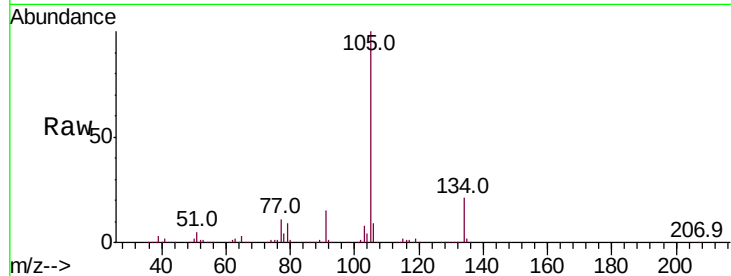
134 20.5 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 46.769 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

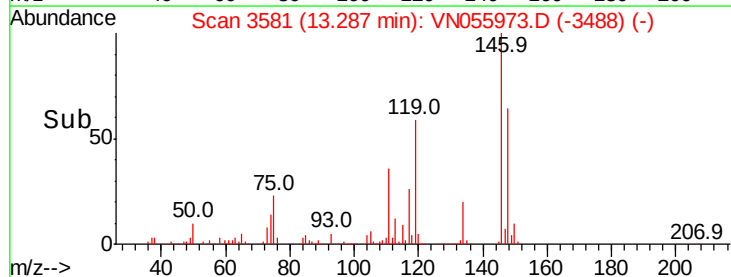
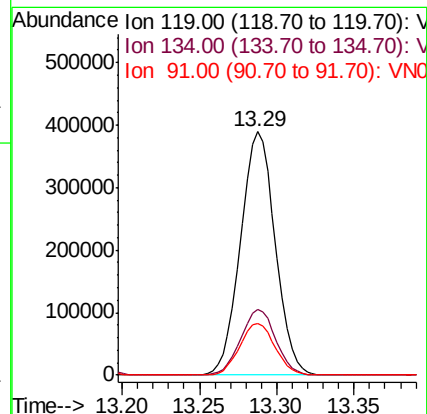
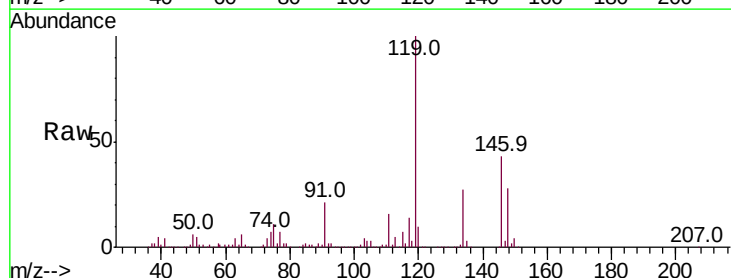
Tgt Ion:119 Resp: 604298

Ion Ratio Lower Upper

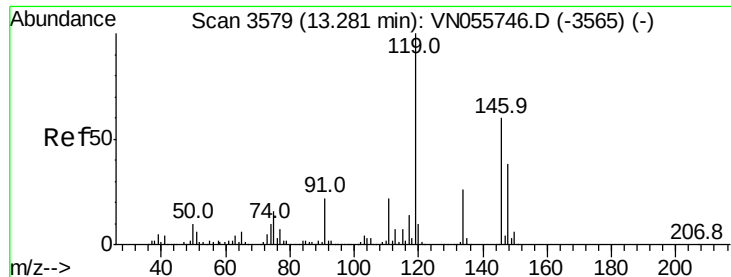
119 100

134 27.2 13.4 40.1

91 21.5 10.9 32.9







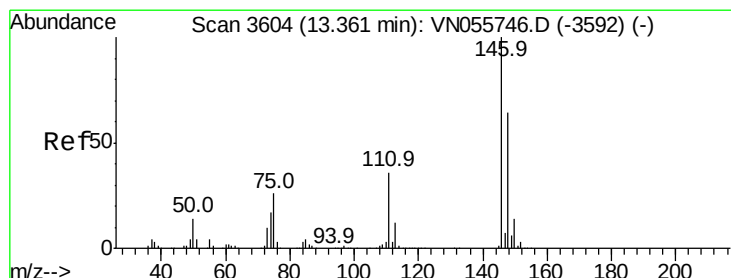
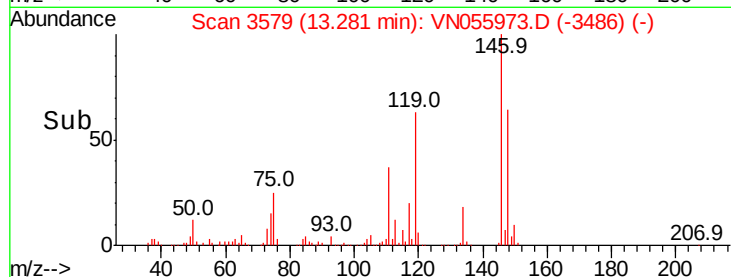
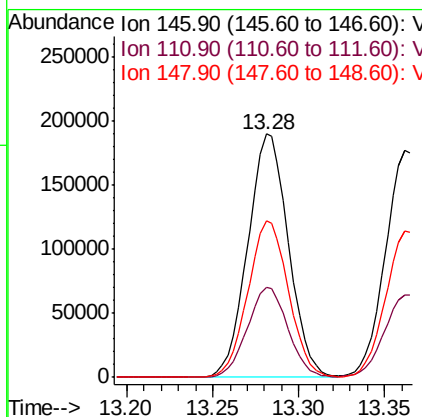
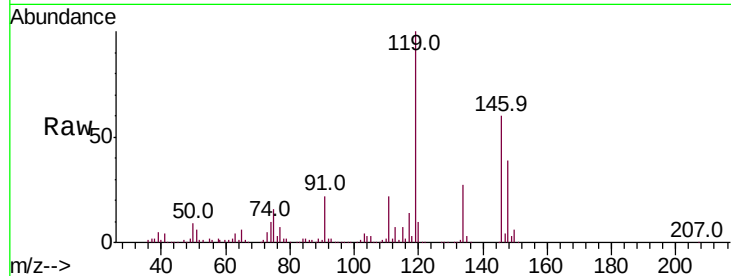
#87  
 1,3-Dichlorobenzene  
 Concen: 49.517 ug/l  
 RT: 13.28 min Scan# 3579  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 311294 |       |       |
| 111     | 36.9  | 18.5   | 55.5  |       |
| 148     | 64.2  | 32.0   | 96.2  |       |

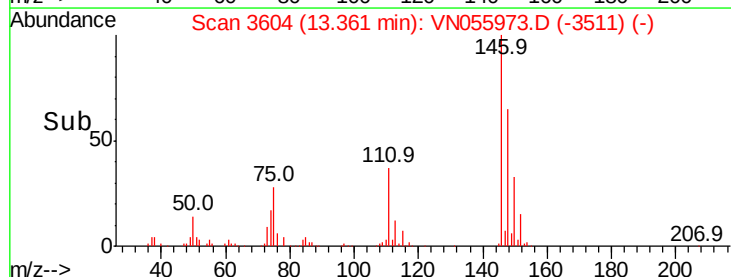
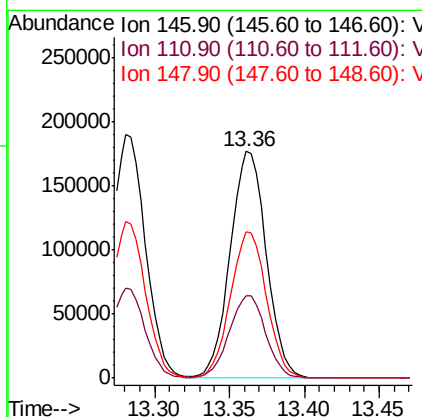
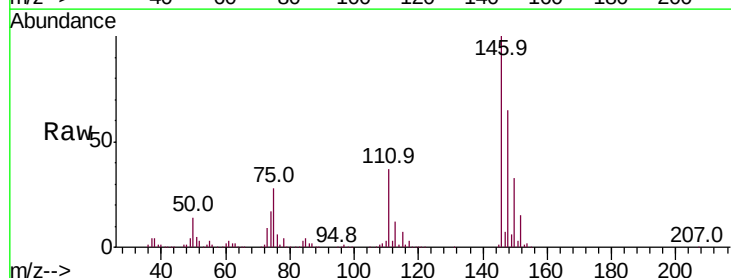
Manual Integrations  
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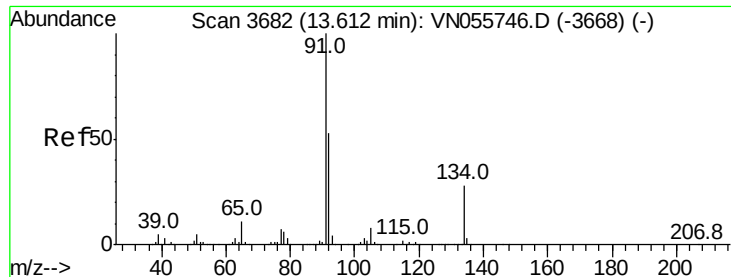
MMDadoda  
 6/4/2019 11:25:04 AM



#88  
 1,4-Dichlorobenzene  
 Concen: 49.848 ug/l  
 RT: 13.36 min Scan# 3604  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 146     | 100   | 297940 |       |       |
| 111     | 36.4  | 18.1   | 54.4  |       |
| 148     | 64.6  | 32.1   | 96.5  |       |





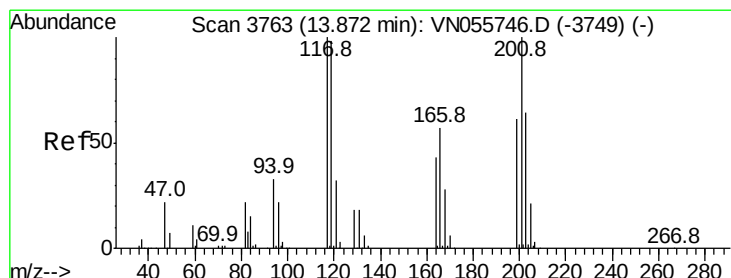
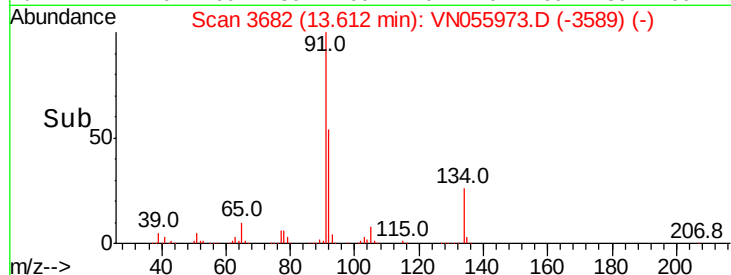
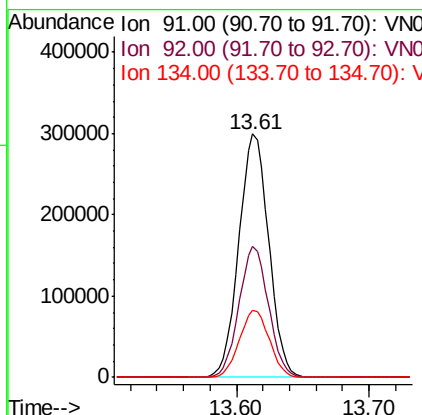
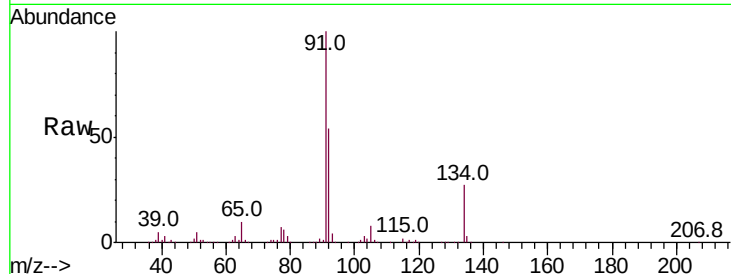
#89  
n-Butylbenzene  
Concen: 47.349 ug/l  
RT: 13.61 min Scan# 3682  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

Instrument :  
MSVOA\_N  
ClientSampleId :  
VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 91      | 100   |       |       |
| 92      | 53.0  | 26.4  | 79.0  |
| 134     | 27.6  | 13.9  | 41.7  |

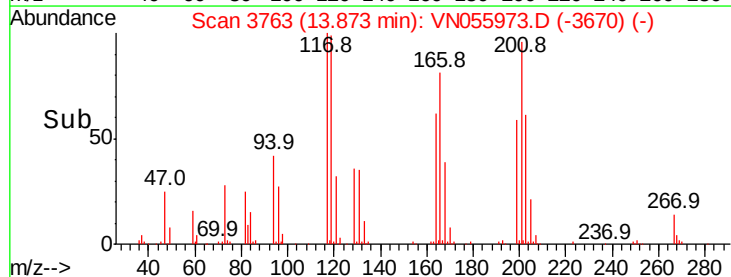
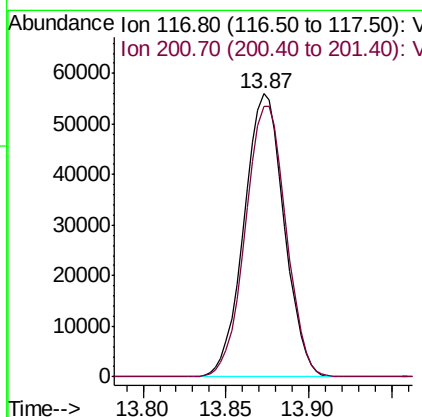
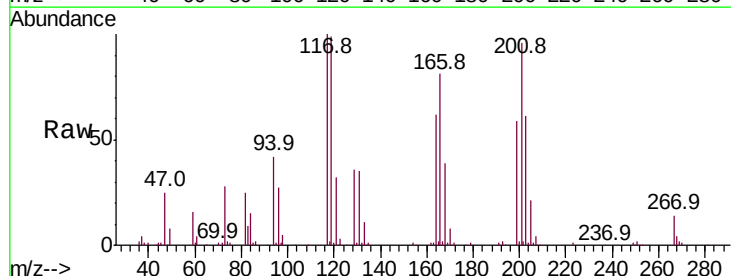
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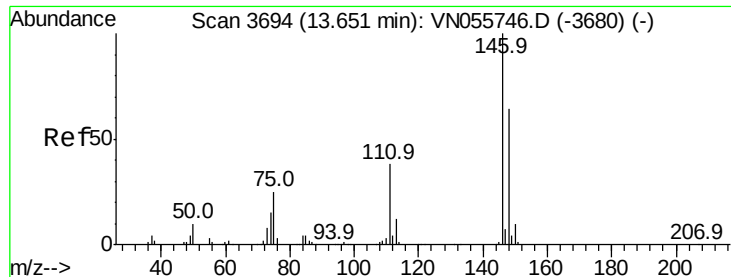
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#90  
Hexachloroethane  
Concen: 38.318 ug/l  
RT: 13.87 min Scan# 3763  
Delta R.T. 0.00 min  
Lab File: VN055973.D  
Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 201     | 96.6  | 50.0  | 150.0 |





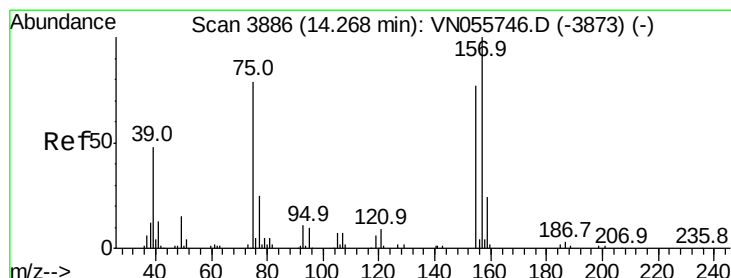
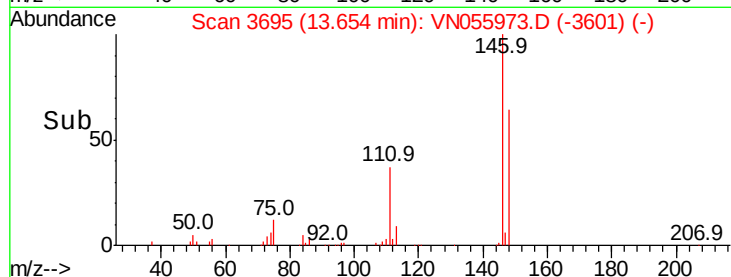
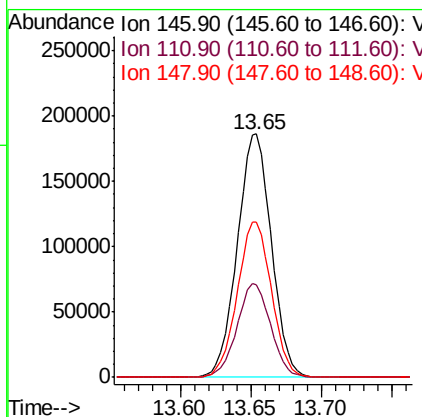
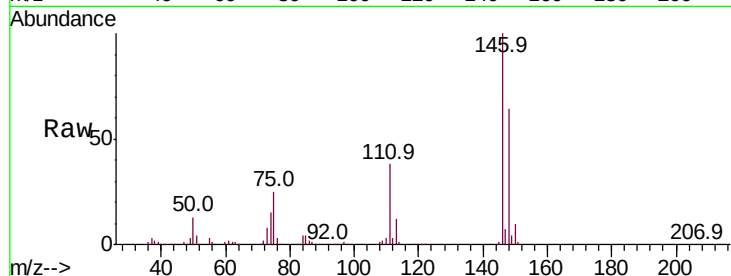
#91  
 1,2-Dichlorobenzene  
 Concen: 50.244 ug/l  
 RT: 13.65 min Scan# 3695  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 146     | 100   |       |       |
| 111     | 38.0  | 19.1  | 57.5  |
| 148     | 63.9  | 31.9  | 95.9  |

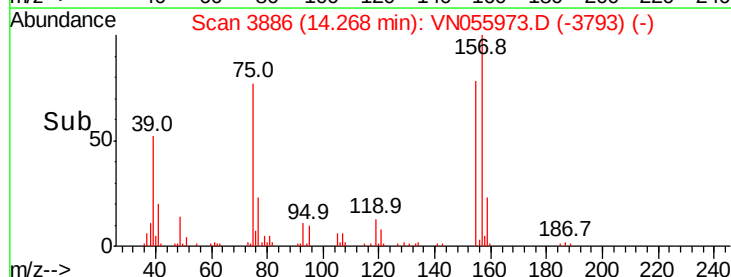
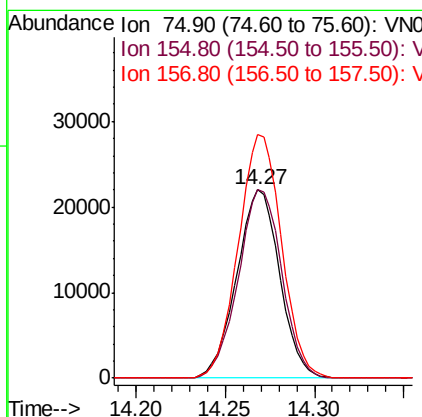
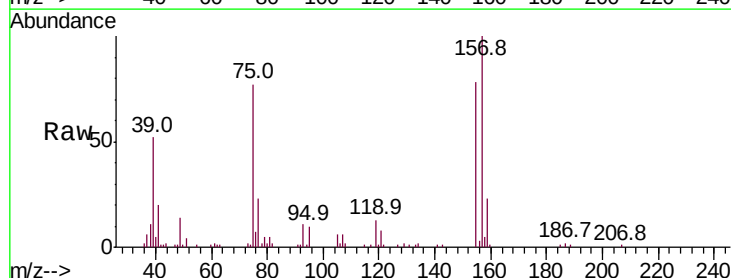
Manual Integrations  
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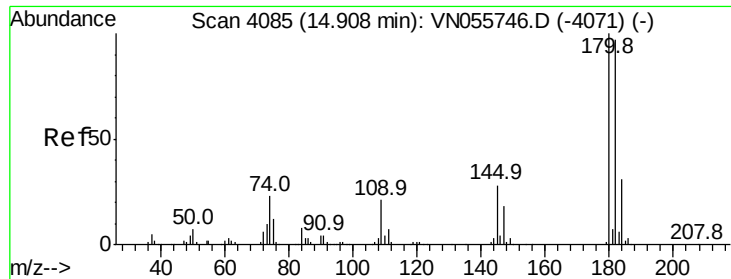
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#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 44.714 ug/l  
 RT: 14.27 min Scan# 3886  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 155     | 101.3 | 50.0  | 150.1 |
| 157     | 130.4 | 64.8  | 194.3 |





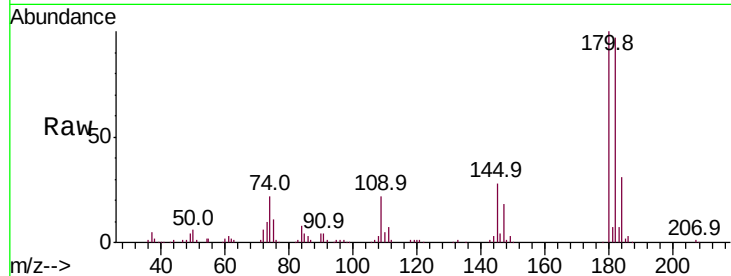
#93  
 1,2,4-Trichlorobenzene  
 Concen: 45.508 ug/l  
 RT: 14.91 min Scan# 4085  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC050EC

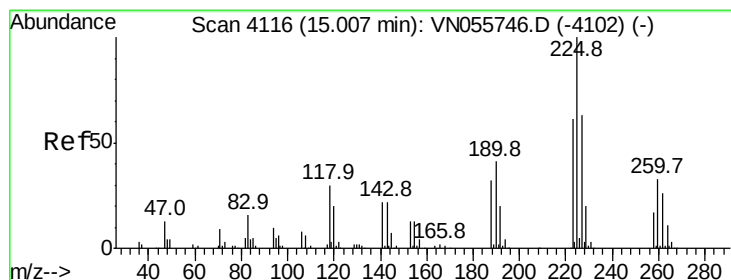
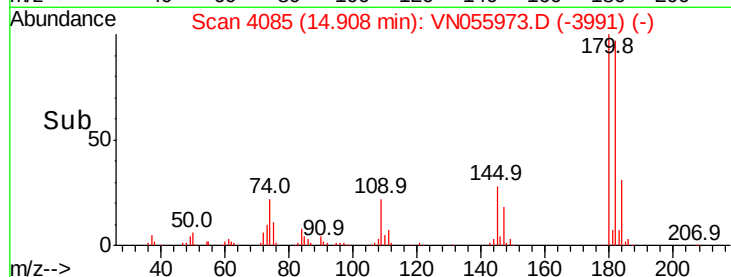
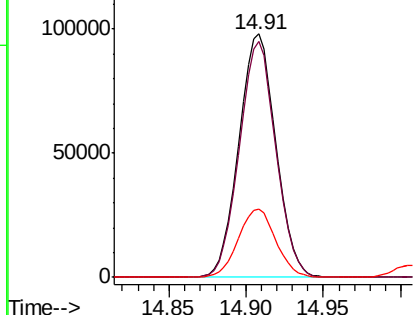
| Tot Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 180     | 100   | 162952 |       |       |
| 182     | 95.7  | 48.3   | 144.9 |       |
| 145     | 28.5  | 14.0   | 41.9  |       |

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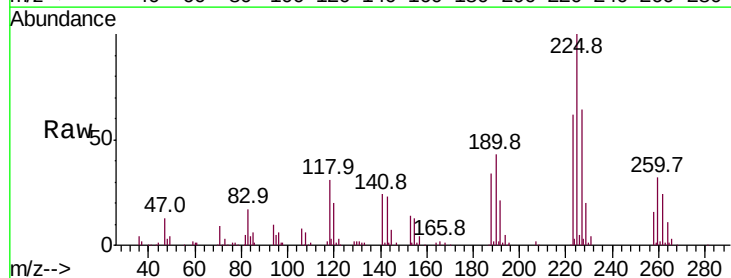


Abundance Ion 179.80 (179.50 to 180.50): V  
 Ion 181.80 (181.50 to 182.50): V  
 Ion 144.80 (144.50 to 145.50): V

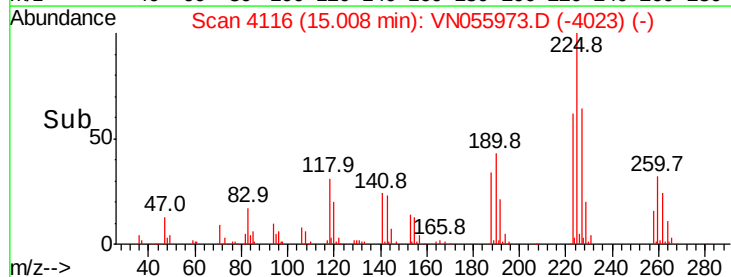
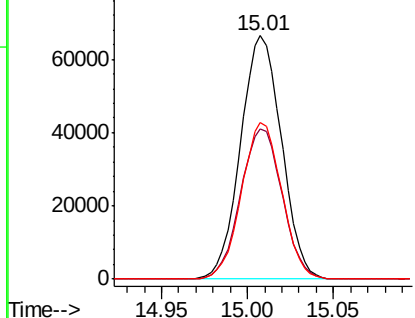


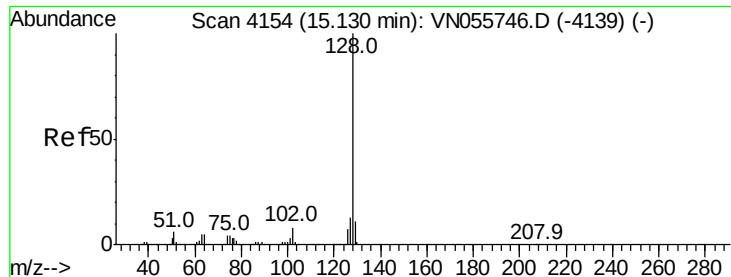
#94  
 Hexachlorobutadiene  
 Concen: 49.895 ug/l  
 RT: 15.01 min Scan# 4116  
 Delta R.T. 0.00 min  
 Lab File: VN055973.D  
 Acq: 3 Jun 2019 20:05

| Tgt Ion | Ratio | Resp   | Lower | Upper |
|---------|-------|--------|-------|-------|
| 225     | 100   | 110144 |       |       |
| 223     | 62.7  | 30.9   | 92.7  |       |
| 227     | 63.2  | 31.6   | 94.7  |       |



Abundance Ion 224.70 (224.40 to 225.40): V  
 Ion 222.70 (222.40 to 223.40): V  
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 51.563 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

Instrument :

MSVOA\_N

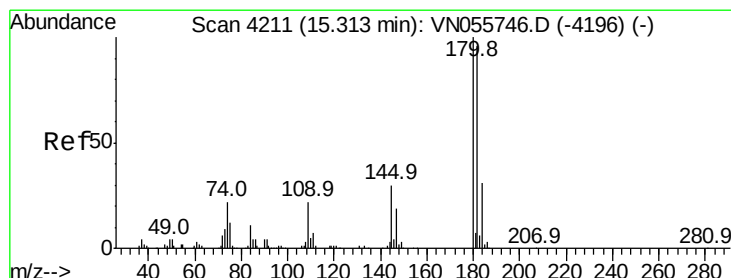
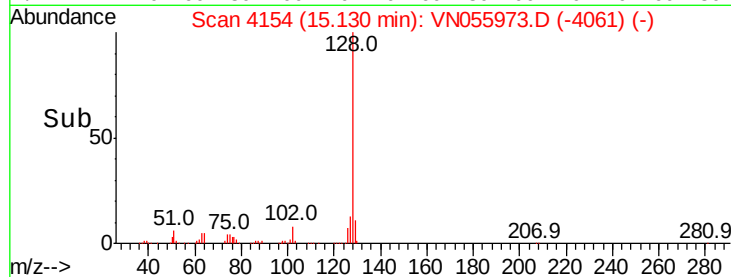
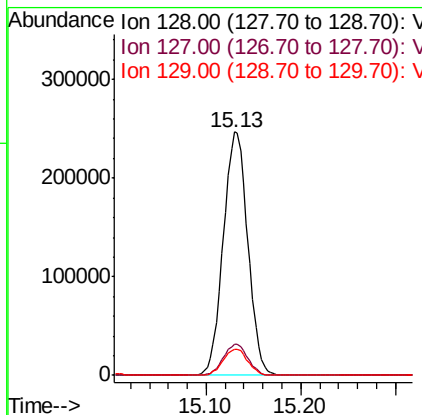
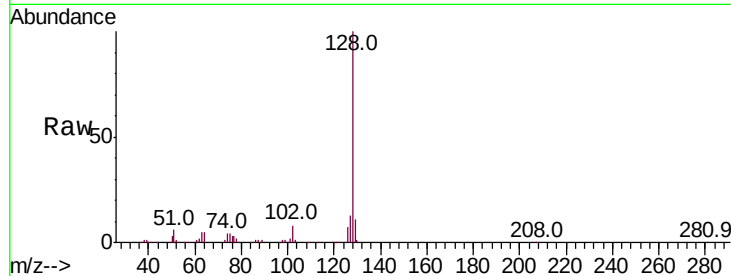
ClientSampleId :

VSTDCCC050EC

|           |       |       |        |
|-----------|-------|-------|--------|
| Tot Ion:  | 128   | Resp: | 443792 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 12.8  | 10.3  | 15.5   |
| 129       | 10.8  | 8.7   | 13.1   |

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#96

1,2,3-Trichlorobenzene

Concen: 52.744 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055973.D

Acq: 3 Jun 2019 20:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 180   | Resp: | 174874 |
| Ion Ratio | Lower | Upper |        |
| 180       | 100   |       |        |
| 182       | 94.4  | 47.9  | 143.7  |
| 145       | 29.7  | 14.9  | 44.7   |

