

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051320\  
 Data File : VX016173.D  
 Acq On : 13 May 2020 12:50  
 Operator : JC/SP  
 Sample : L2597-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW272-200511

Quant Time: May 14 06:45:22 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed May 06 06:43:32 2020  
 Response via : Initial Calibration

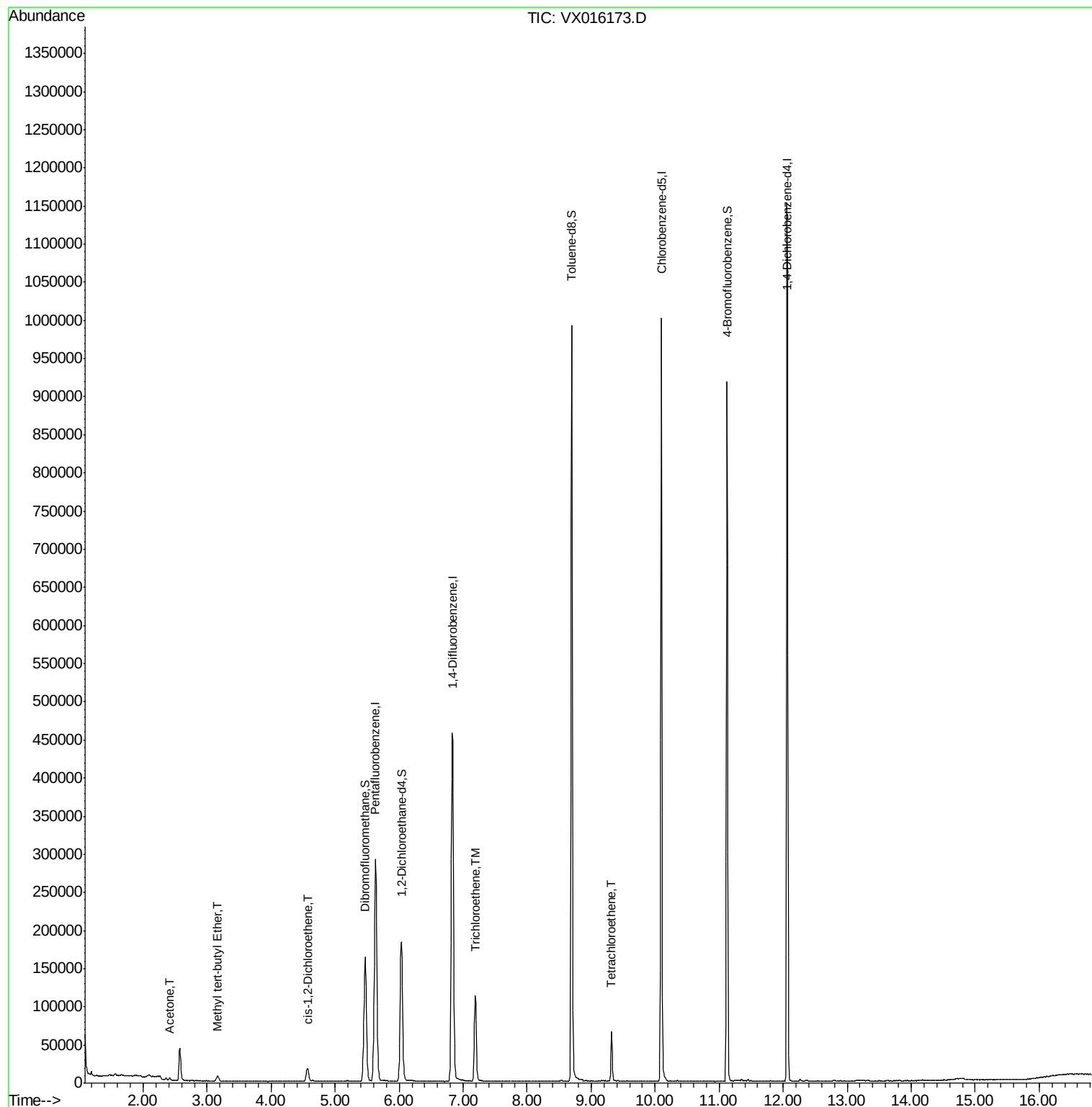
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 286417   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 475511   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 466218   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 243447   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 176992   | 46.96 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.92%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 141211   | 46.87 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.74%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 589187   | 50.76 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.52% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 234543   | 53.12 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 106.24% |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.42  | 43   | 2660     | 1.582 | ug/l #  | 88       |
| 19) Methyl tert-butyl Ether | 3.17  | 73   | 7703     | 0.751 | ug/l    | 98       |
| 27) cis-1,2-Dichloroethene  | 4.57  | 96   | 11426    | 3.150 | ug/l    | 83       |
| 44) Trichloroethene         | 7.19  | 130  | 44899    | 9.228 | ug/l    | 100      |
| 64) Tetrachloroethene       | 9.32  | 164  | 13303    | 2.324 | ug/l    | 95       |

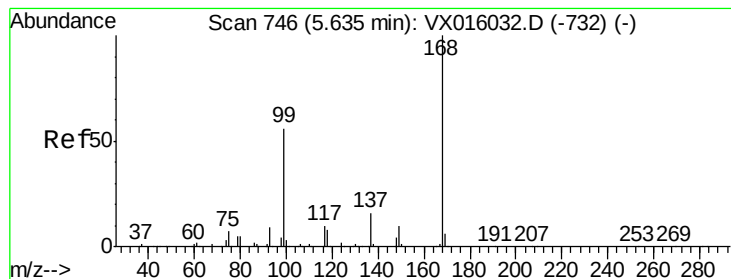
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051320\  
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SS052MW272-200511

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X050420W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 06 06:43:32 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA\_X

ClientSampleId :

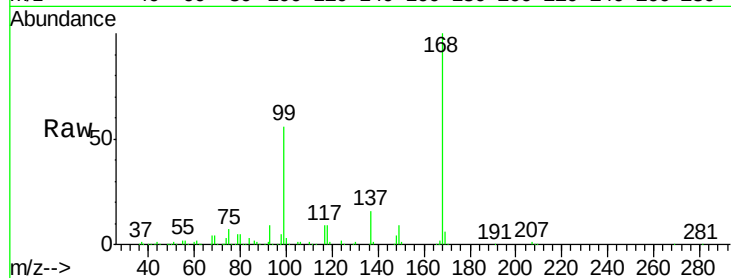
SS052MW272-200511

Tot Ion:168 Resp: 286417

Ion Ratio Lower Upper

168 100

99 56.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

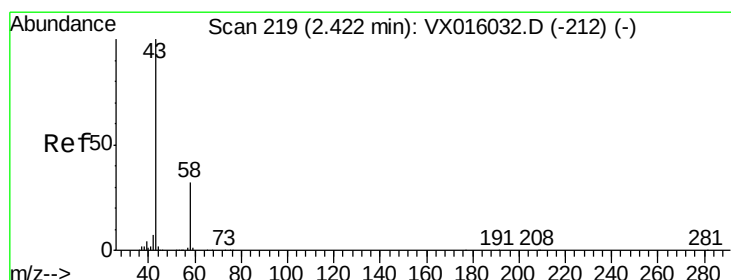
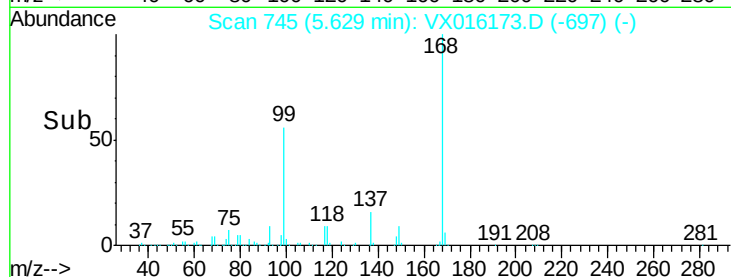
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 1.582 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX016173.D

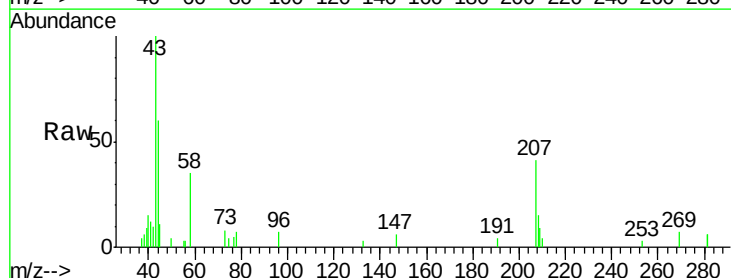
Acq: 13 May 2020 12:50

Tgt Ion: 43 Resp: 2660

Ion Ratio Lower Upper

43 100

58 38.2 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1500

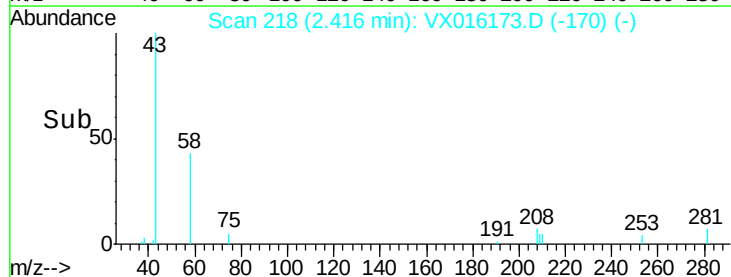
1000

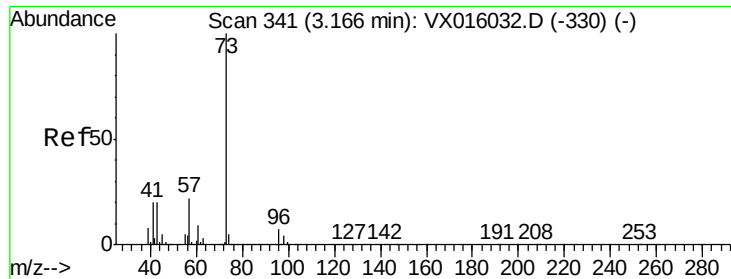
500

0

2.35 2.40 2.45

Time-->

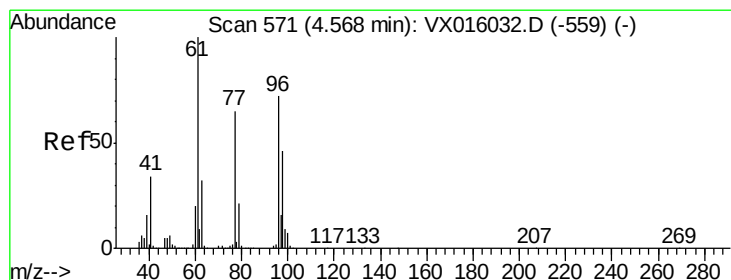
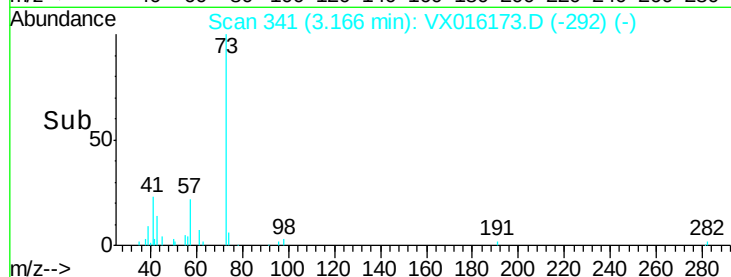
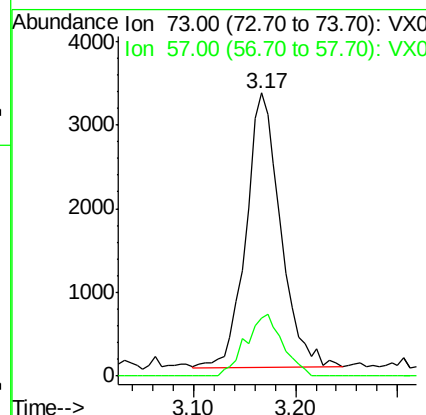
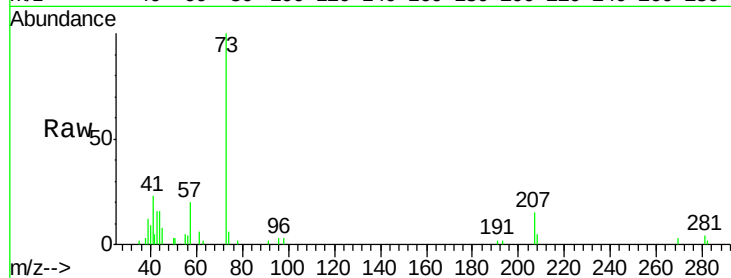




#19  
Methyl tert-butyl Ether  
Concen: 0.751 ug/l  
RT: 3.17 min Scan# 341  
Delta R.T. -0.00 min  
Lab File: VX016173.D  
Acq: 13 May 2020 12:50

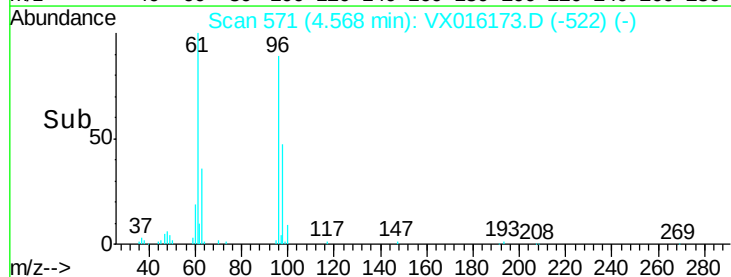
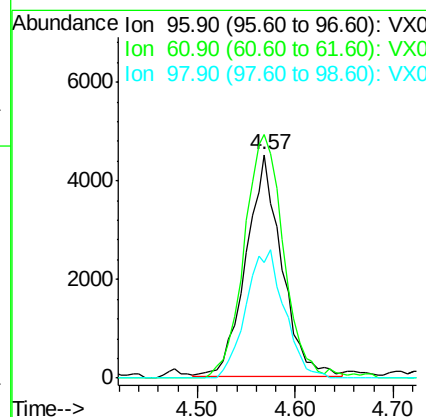
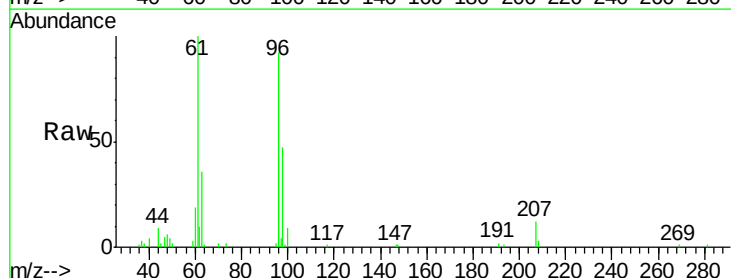
Instrument :  
MSVOA\_X  
ClientSampleId :  
SS052MW272-200511

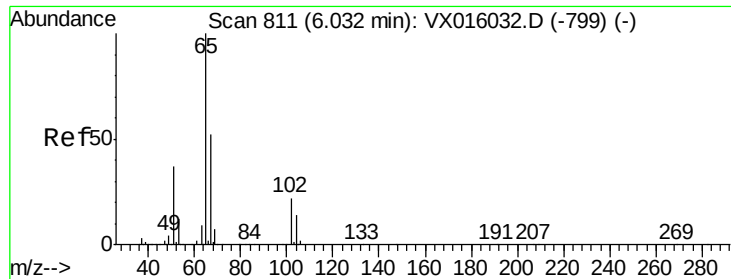
Tot Ion: 73 Resp: 7703  
Ion Ratio Lower Upper  
73 100  
57 21.2 17.8 26.6



#27  
cis-1,2-Dichloroethene  
Concen: 3.150 ug/l  
RT: 4.57 min Scan# 571  
Delta R.T. -0.00 min  
Lab File: VX016173.D  
Acq: 13 May 2020 12:50

Tgt Ion: 96 Resp: 11426  
Ion Ratio Lower Upper  
96 100  
61 119.7 0.0 296.2  
98 62.2 0.0 129.4

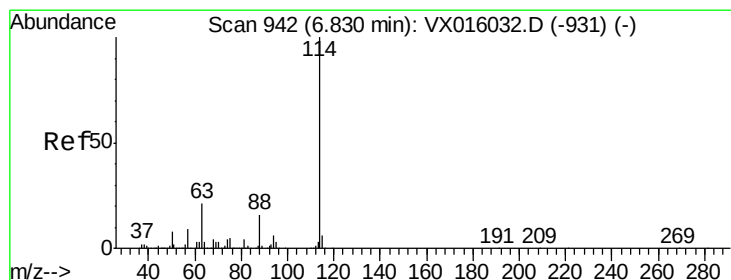
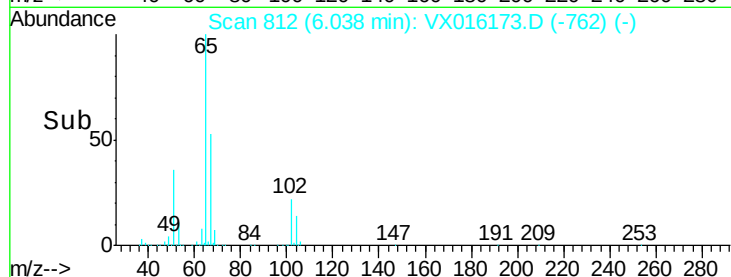
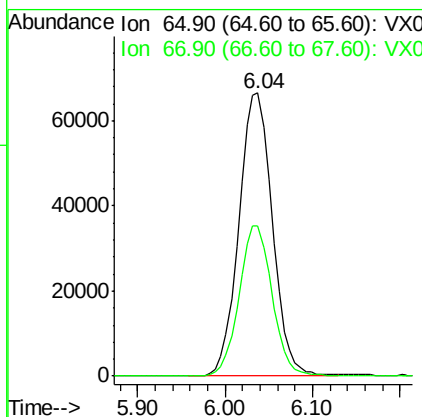
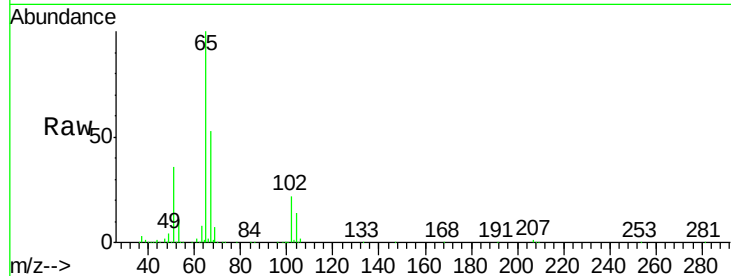




#33  
 1,2-Dichloroethane-d4  
 Concen: 46.961 ug/l  
 RT: 6.04 min Scan# 812  
 Delta R.T. 0.01 min  
 Lab File: VX016173.D  
 Acq: 13 May 2020 12:50

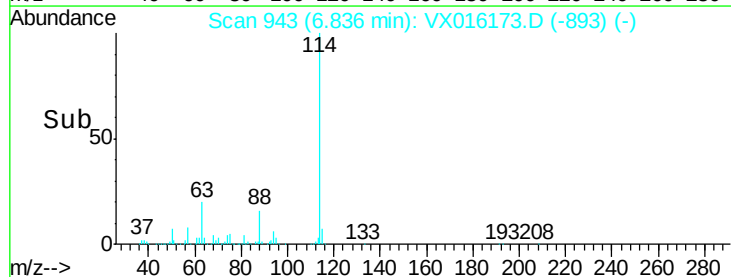
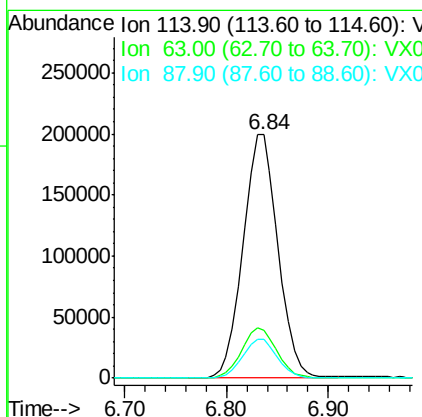
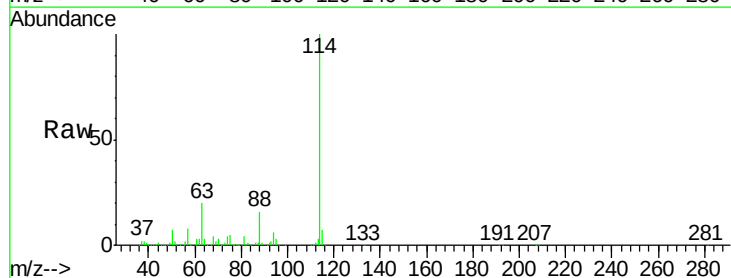
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SS052MW272-200511

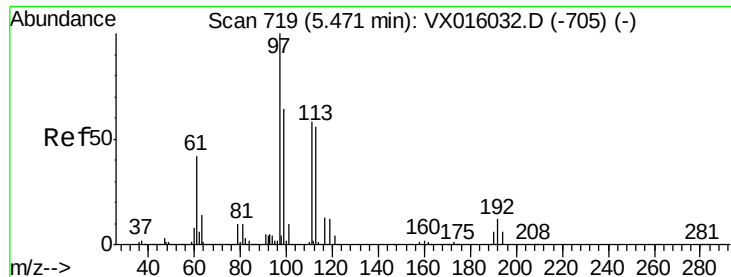
Tot Ion: 65 Resp: 176992  
 Ion Ratio Lower Upper  
 65 100  
 67 52.5 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: VX016173.D  
 Acq: 13 May 2020 12:50

Tgt Ion: 114 Resp: 475511  
 Ion Ratio Lower Upper  
 114 100  
 63 19.8 0.0 42.8  
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.874 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW272-200511

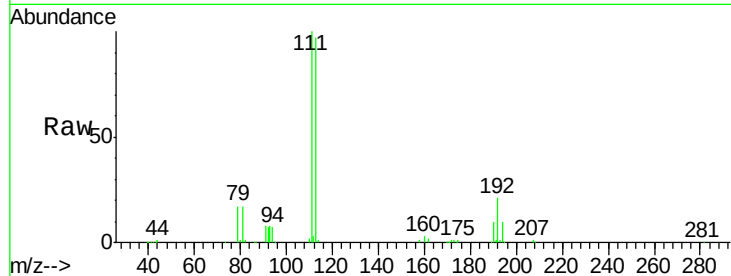
Tot Ion:113 Resp: 141211

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

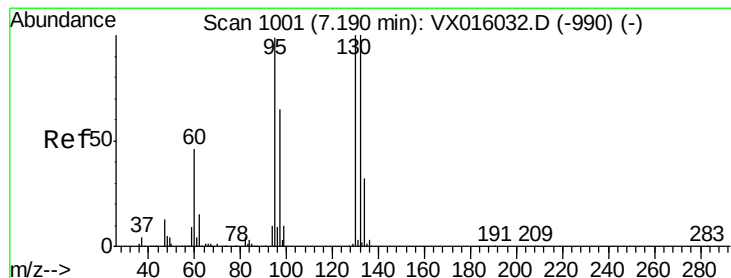
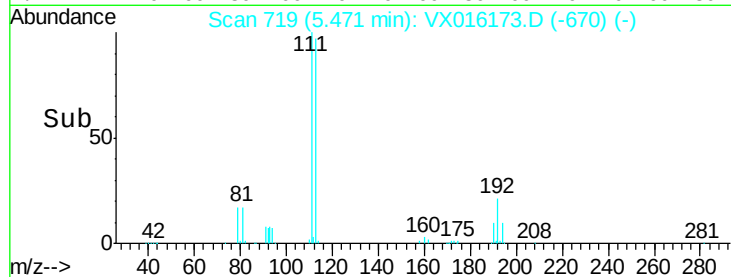
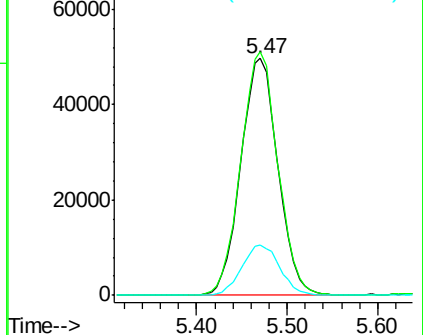
192 21.5 17.0 25.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#44

Trichloroethene

Concen: 9.228 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016173.D

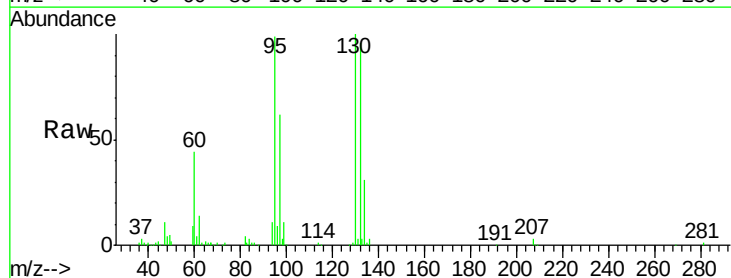
Acq: 13 May 2020 12:50

Tgt Ion:130 Resp: 44899

Ion Ratio Lower Upper

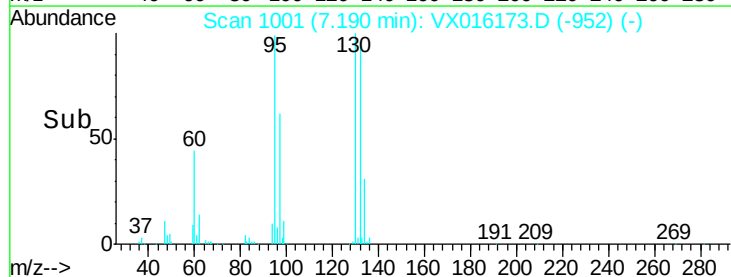
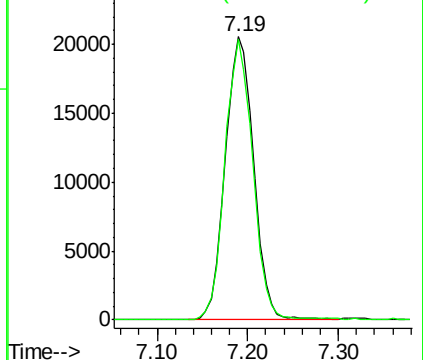
130 100

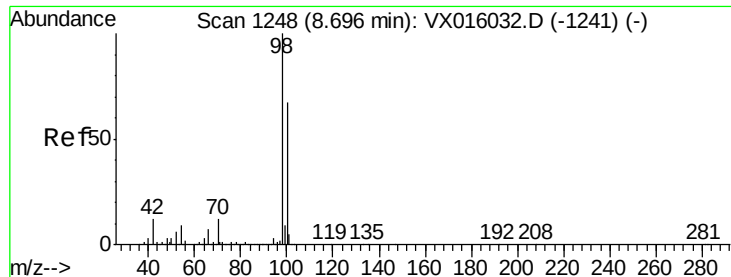
95 99.1 0.0 197.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.759 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA\_X

ClientSampleId :

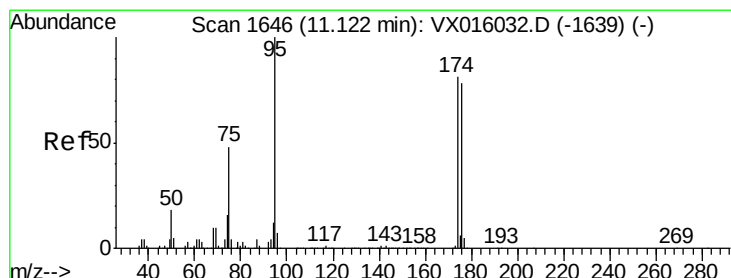
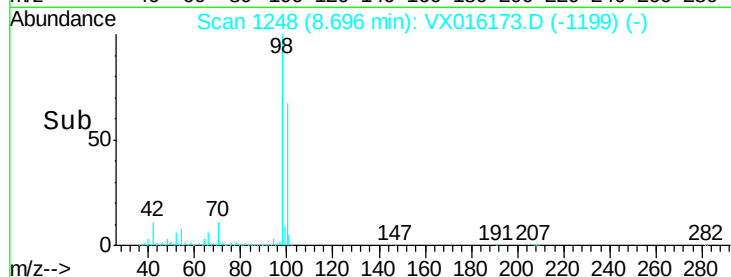
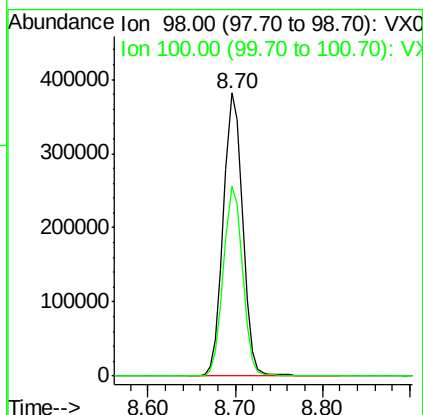
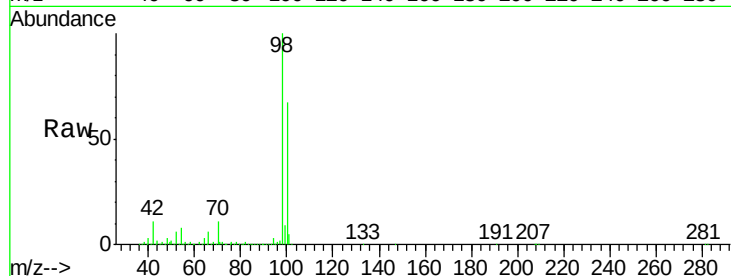
SS052MW272-200511

Tot Ion: 98 Resp: 589187

Ion Ratio Lower Upper

98 100

100 66.8 53.7 80.5



#62

4-Bromofluorobenzene

Concen: 53.124 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

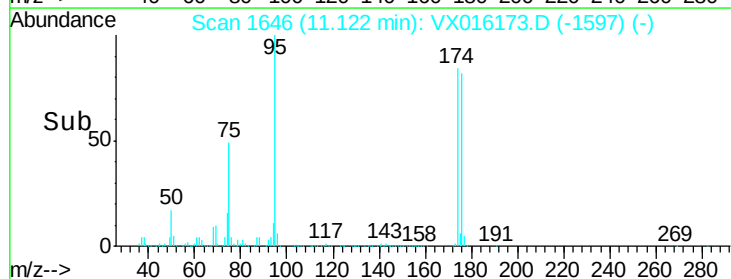
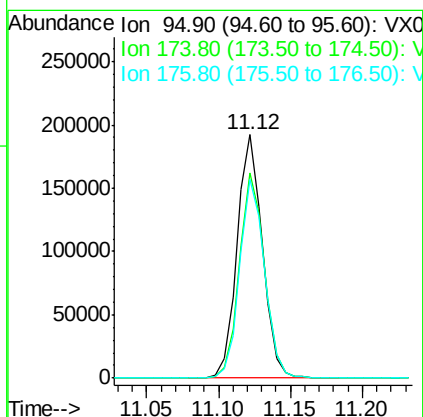
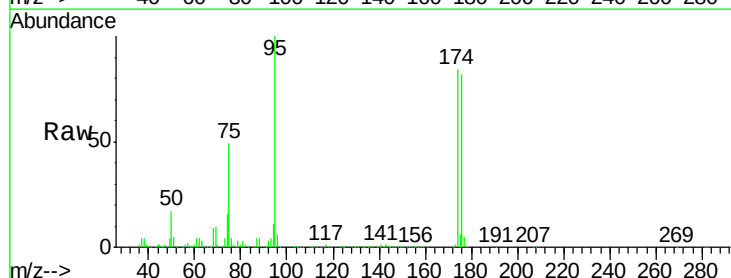
Tgt Ion: 95 Resp: 234543

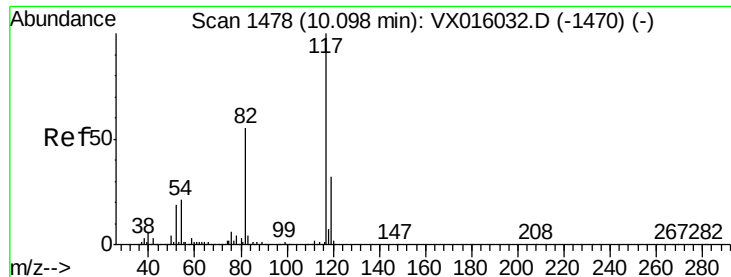
Ion Ratio Lower Upper

95 100

174 83.4 0.0 159.4

176 80.7 0.0 157.6

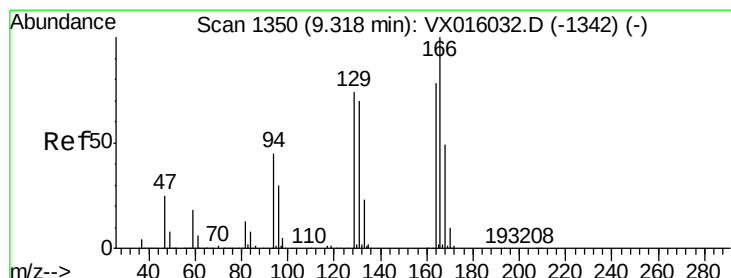
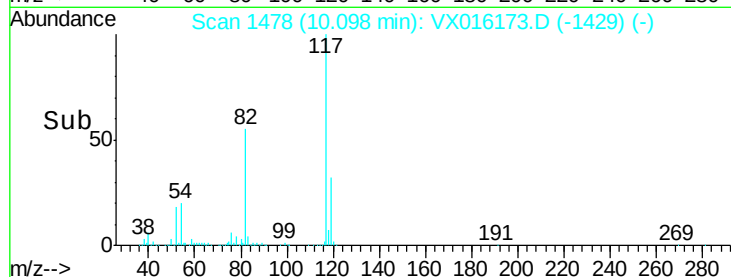
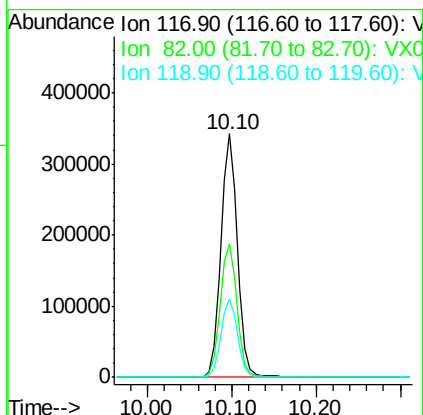
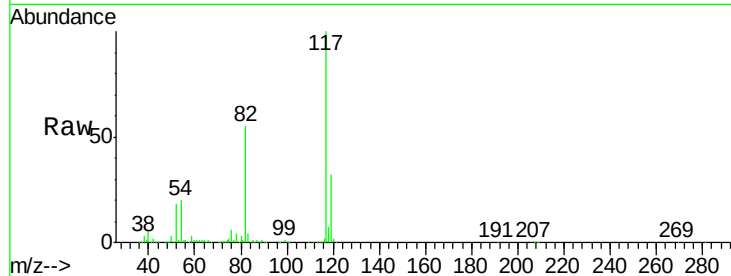




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016173.D  
Acq: 13 May 2020 12:50

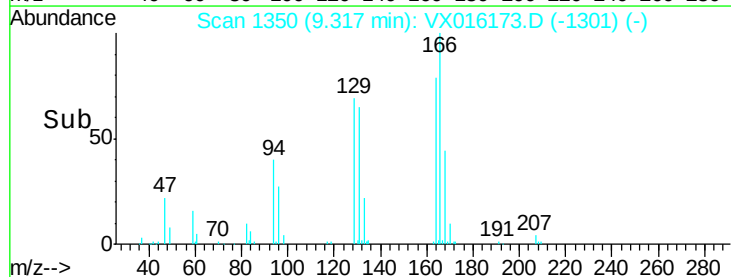
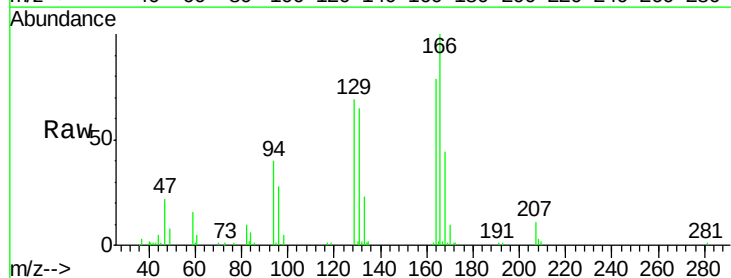
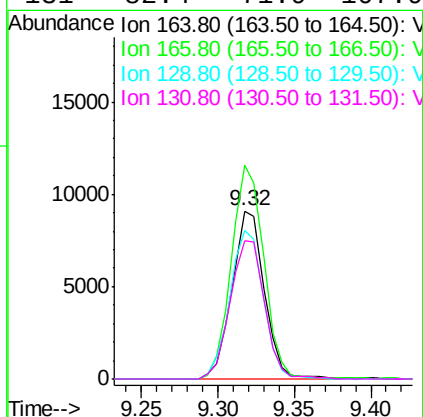
Instrument :  
MSVOA\_X  
ClientSampleId :  
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Tot Ion:117 Resp: 466218  
Ion Ratio Lower Upper  
117 100  
82 54.8 44.4 66.6  
119 32.2 25.5 38.3

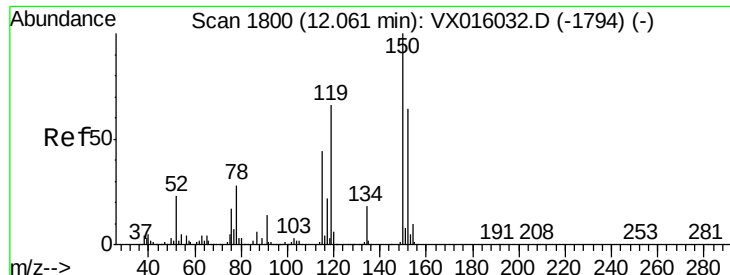


#64  
Tetrachloroethene  
Concen: 2.324 ug/l  
RT: 9.32 min Scan# 1350  
Delta R.T. -0.00 min  
Lab File: VX016173.D  
Acq: 13 May 2020 12:50

Tgt Ion:164 Resp: 13303  
Ion Ratio Lower Upper  
164 100  
166 127.0 102.9 154.3  
129 88.2 76.1 114.1  
131 82.4 71.9 107.9







#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016173.D

Acq: 13 May 2020 12:50

Instrument :

MSVOA\_X

ClientSampleId :

SS052MW272-200511

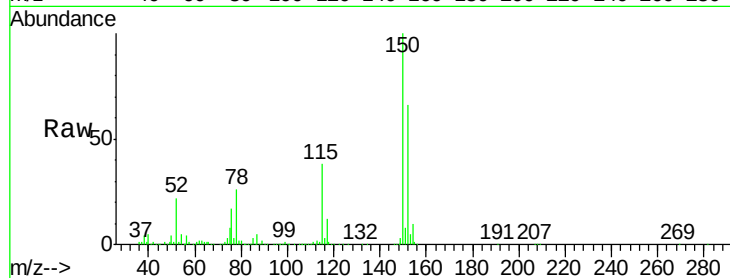
Tot Ion:152 Resp: 243447

Ion Ratio Lower Upper

152 100

115 57.3 41.3 124.1

150 154.1 0.0 352.2



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

