

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080420\  
 Data File : VX017767.D  
 Acq On : 04 Aug 2020 13:53  
 Operator : JC/SP  
 Sample : L3556-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB179-GW-318-320

Quant Time: Aug 17 07:38:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jul 24 05:48:09 2020  
 Response via : Initial Calibration

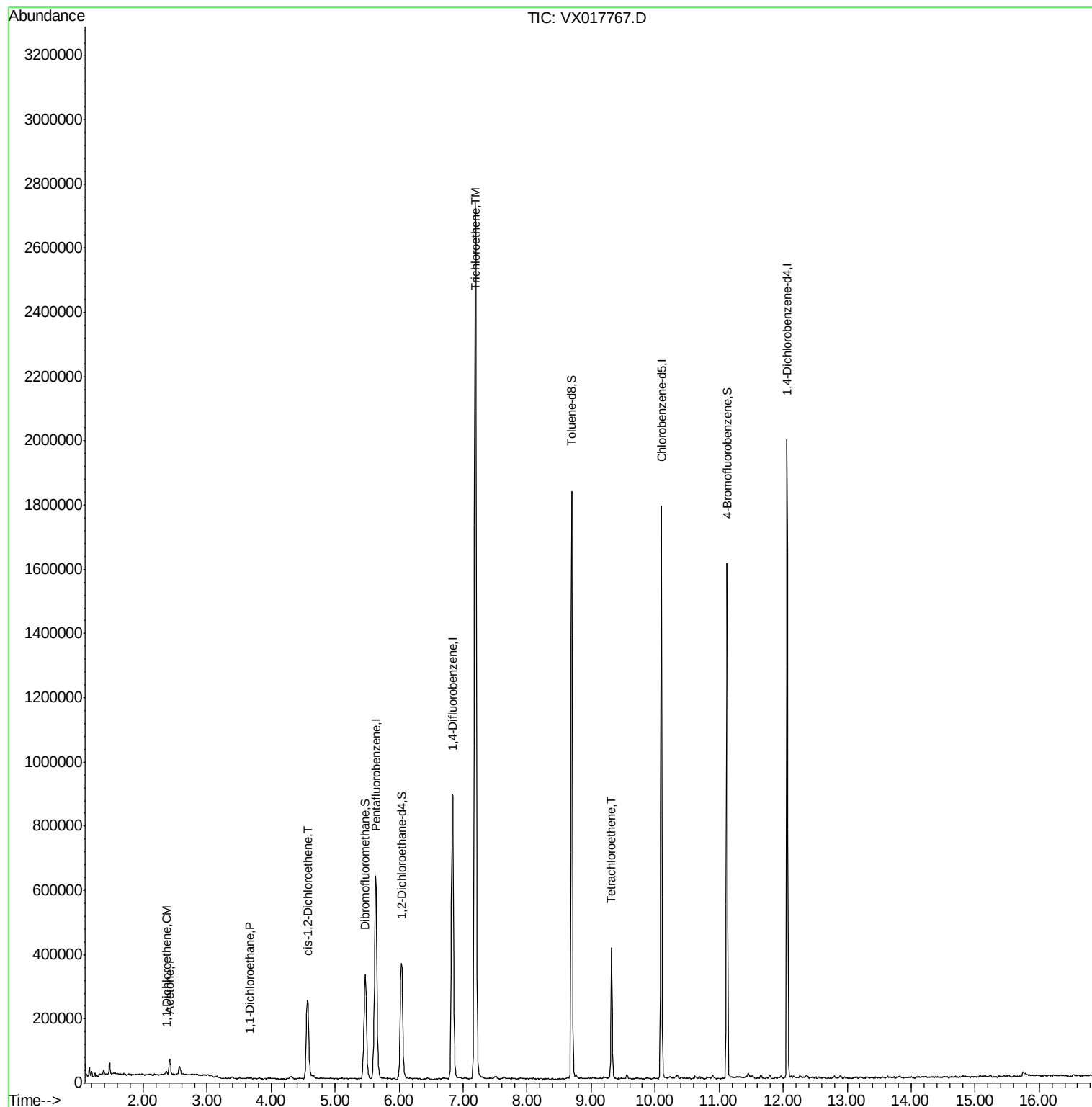
| Internal Standards          | R.T.  | QIon | Response | Conc    | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|---------|--------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 595309   | 50.00   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 891846   | 50.00   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 808222   | 50.00   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 403114   | 50.00   | ug/l   | 0.00     |
| System Monitoring Compounds |       |      |          |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 378226   | 49.46   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 98.92% |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 281493   | 47.19   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 94.38% |          |
| 50) Toluene-d8              | 8.70  | 98   | 1071971  | 49.82   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 99.64% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 400307   | 46.49   | ug/l   | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =       | 92.98% |          |
| Target Compounds            |       |      |          |         |        |          |
|                             |       |      |          |         | Qvalue |          |
| 12) 1,1-Dichloroethene      | 2.37  | 96   | 3747     | 0.609   | ug/l # | 73       |
| 16) Acetone                 | 2.42  | 43   | 50434    | 14.985  | ug/l   | 98       |
| 24) 1,1-Dichloroethane      | 3.67  | 63   | 3708     | 0.314   | ug/l # | 91       |
| 27) cis-1,2-Dichloroethene  | 4.57  | 96   | 159289   | 22.263  | ug/l   | 88       |
| 44) Trichloroethene         | 7.19  | 130  | 1073484  | 149.790 | ug/l   | 97       |
| 64) Tetrachloroethene       | 9.32  | 164  | 80279    | 11.067  | ug/l   | 94       |

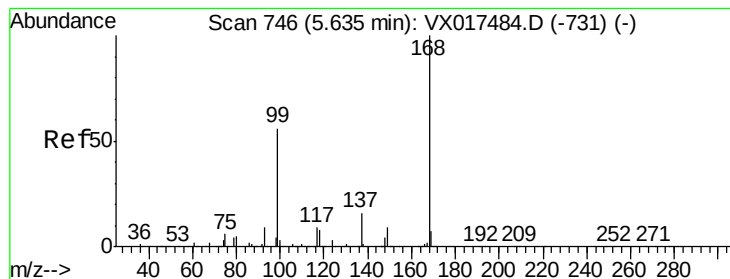
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX080420\  
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Quant Time: Aug 17 07:38:52 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X072320W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jul 24 05:48:09 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017767.D

Acq: 04 Aug 2020 13:53

Instrument :

MSVOA\_X

ClientSampleId :

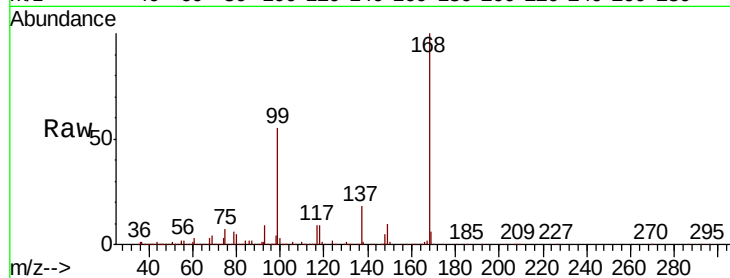
BP-VPB179-GW-318-320

Tot Ion:168 Resp: 595309

Ion Ratio Lower Upper

168 100

99 55.1 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

200000

150000

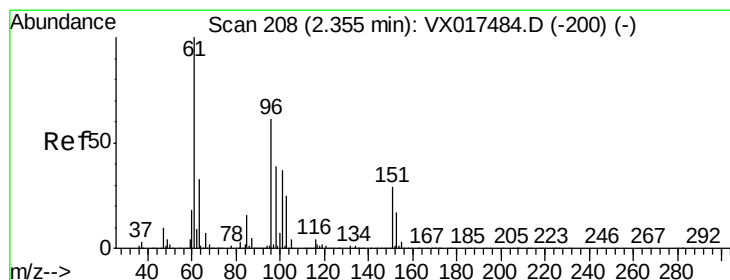
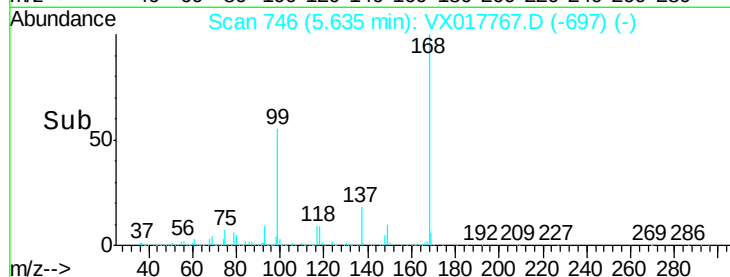
100000

50000

0

Time-->

5.50 5.60 5.70



#12

1,1-Dichloroethene

Concen: 0.609 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.01 min

Lab File: VX017767.D

Acq: 04 Aug 2020 13:53

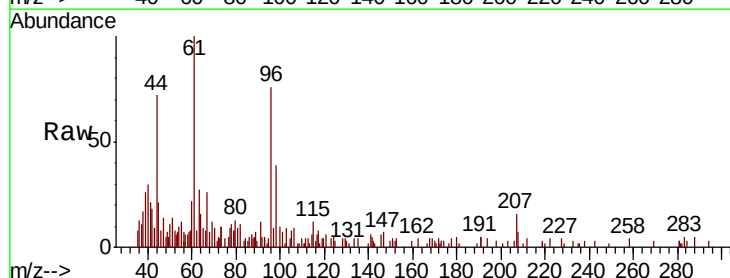
Tgt Ion: 96 Resp: 3747

Ion Ratio Lower Upper

96 100

61 126.8 134.0 201.0#

98 47.7 51.0 76.4#



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

4000

3000

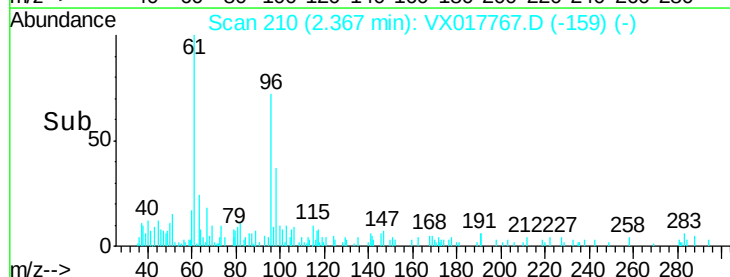
2000

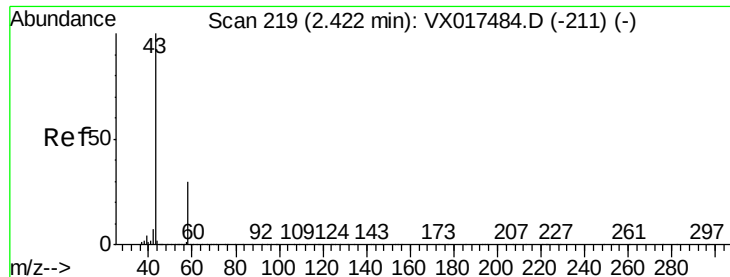
1000

0

Time-->

2.30 2.35 2.40

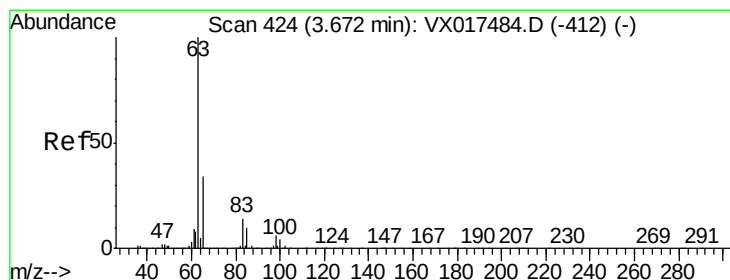
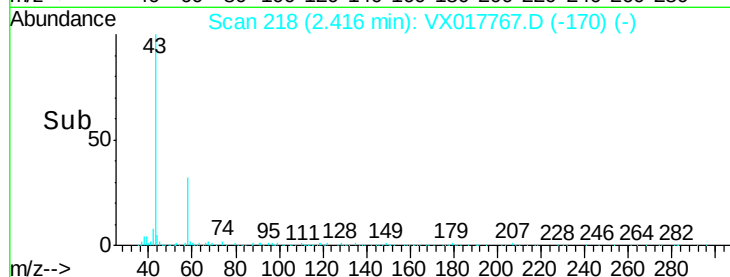
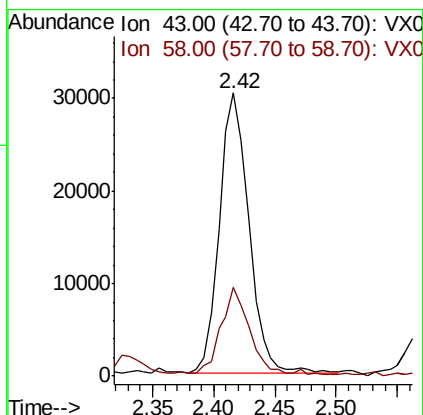
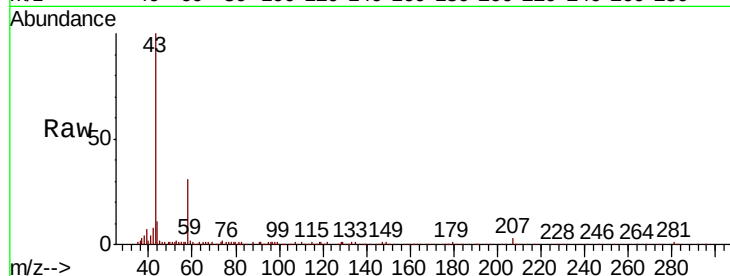




#16  
Acetone  
Concen: 14.985 ug/l  
RT: 2.42 min Scan# 218  
Delta R.T. -0.01 min  
Lab File: VX017767.D  
Acq: 04 Aug 2020 13:53

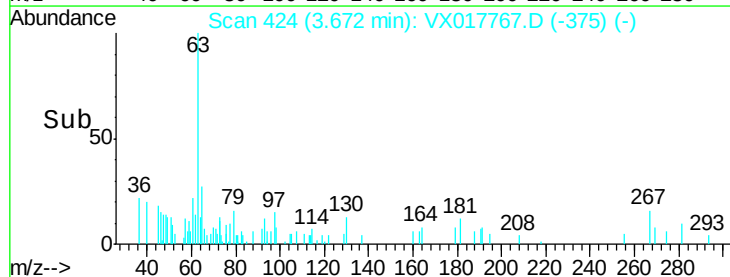
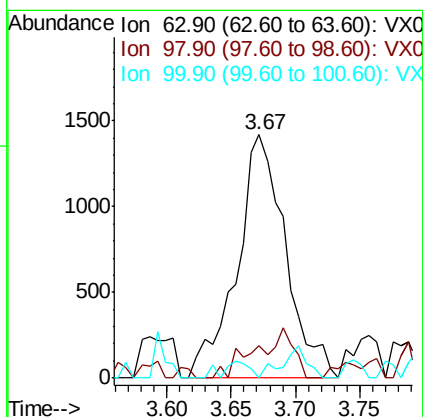
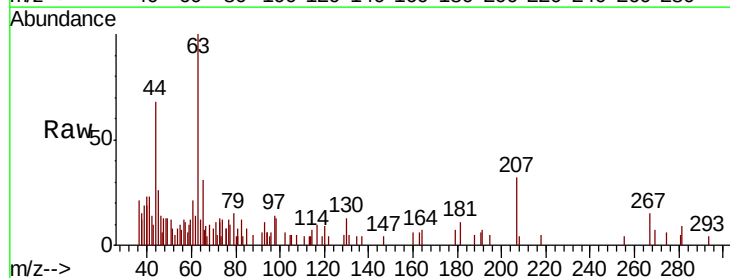
Instrument :  
MSVOA\_X  
ClientSampleId :  
BP-VPB179-GW-318-320

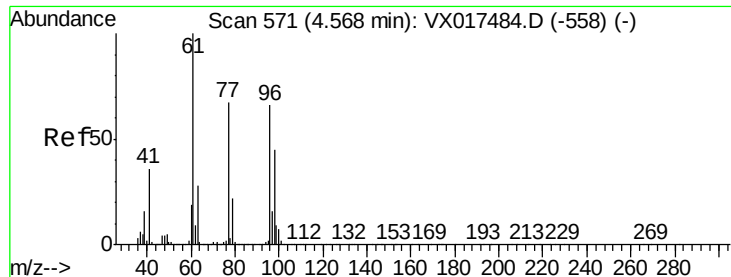
Tot Ion: 43 Resp: 50434  
Ion Ratio Lower Upper  
43 100  
58 31.2 24.2 36.4



#24  
1,1-Dichloroethane  
Concen: 0.314 ug/l  
RT: 3.67 min Scan# 424  
Delta R.T. -0.00 min  
Lab File: VX017767.D  
Acq: 04 Aug 2020 13:53

Tgt Ion: 63 Resp: 3708  
Ion Ratio Lower Upper  
63 100  
98 9.3 3.4 10.1  
100 0.0 1.9 5.7#



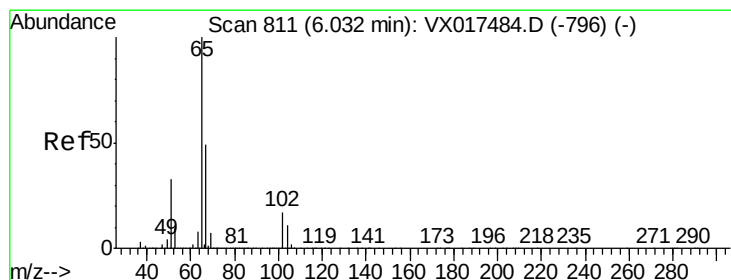
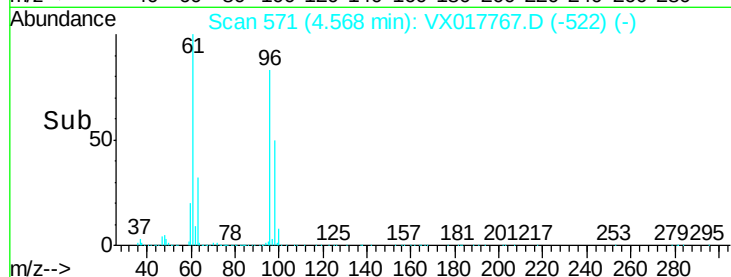
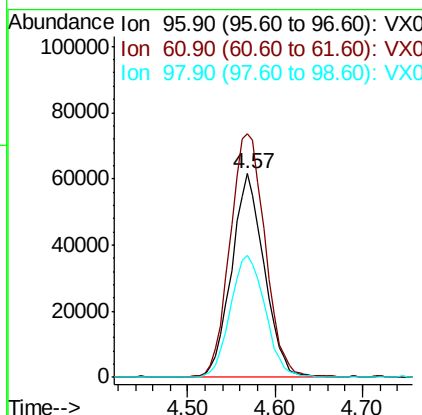
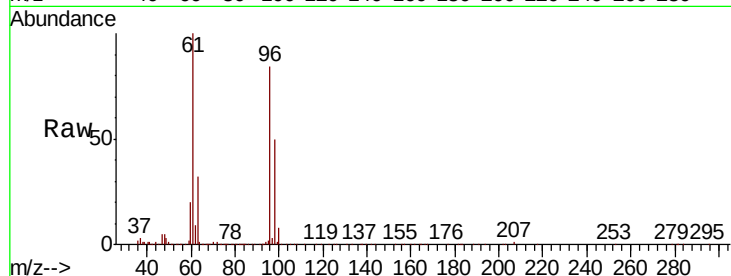


#27

cis-1,2-Dichloroethene  
 Concen: 22.263 ug/l  
 RT: 4.57 min Scan# 571  
 Delta R.T. -0.00 min  
 Lab File: VX017767.D  
 Acq: 04 Aug 2020 13:53

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB179-GW-318-320

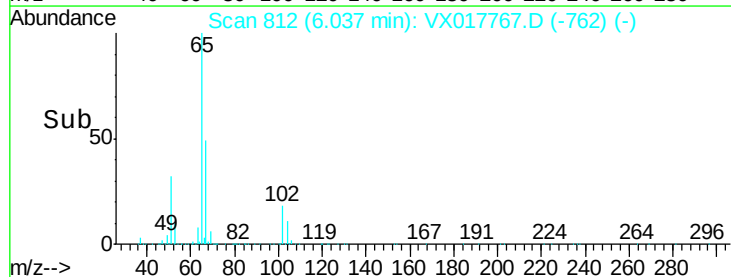
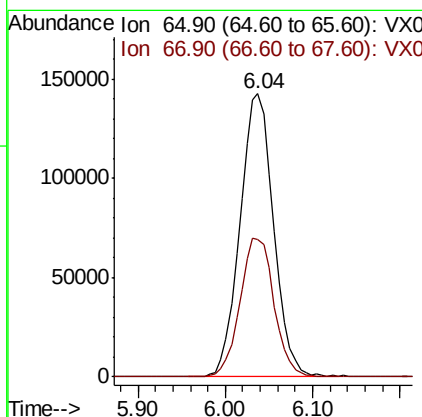
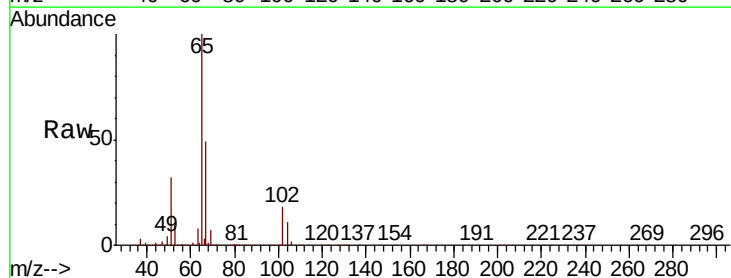
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 129.2 | 0.0   | 301.2 |
| 98      | 63.9  | 0.0   | 130.0 |

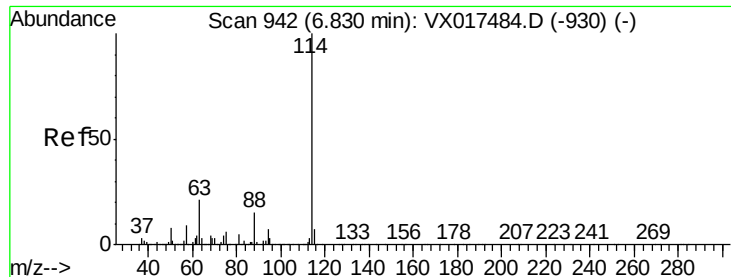


#33

1,2-Dichloroethane-d4  
 Concen: 49.461 ug/l  
 RT: 6.04 min Scan# 812  
 Delta R.T. 0.01 min  
 Lab File: VX017767.D  
 Acq: 04 Aug 2020 13:53

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 50.1  | 0.0   | 102.8 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017767.D

Acq: 04 Aug 2020 13:53

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB179-GW-318-320

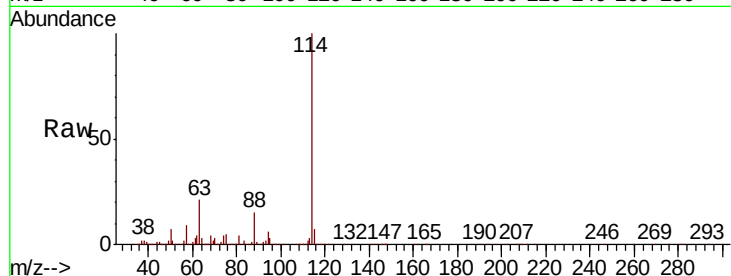
Tot Ion:114 Resp: 891846

Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

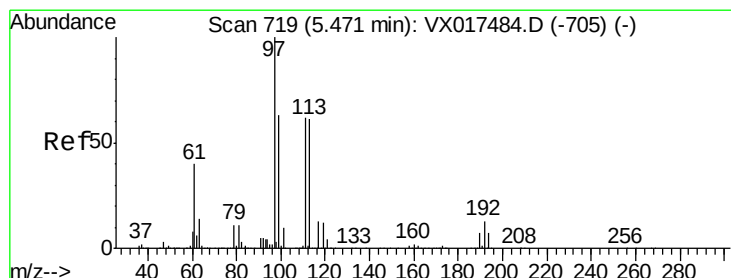
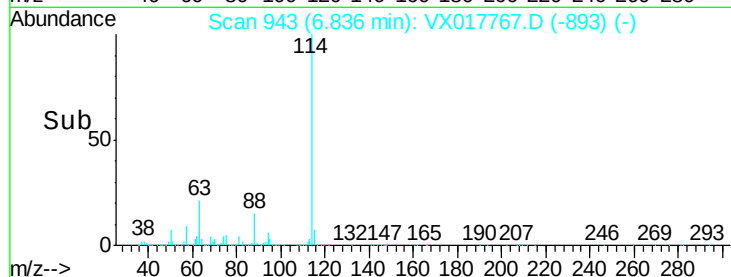
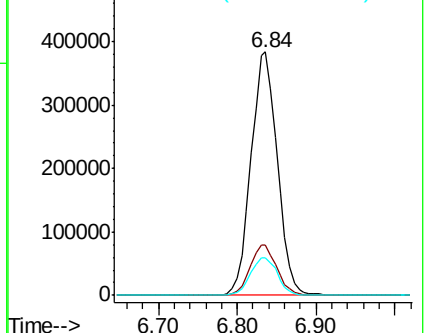
88 15.1 0.0 33.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.193 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017767.D

Acq: 04 Aug 2020 13:53

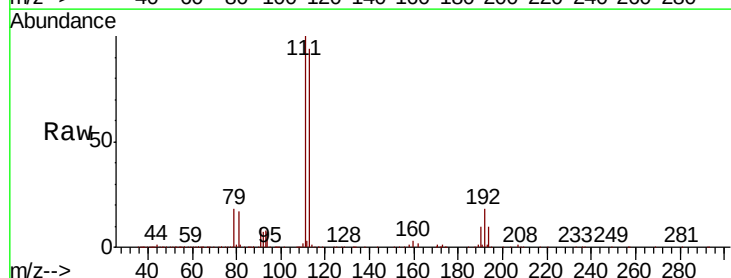
Tgt Ion:113 Resp: 281493

Ion Ratio Lower Upper

113 100

111 103.5 80.7 121.1

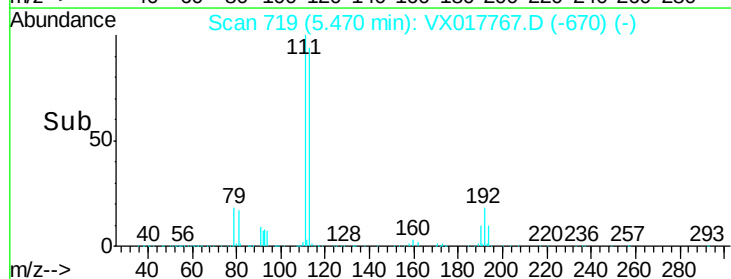
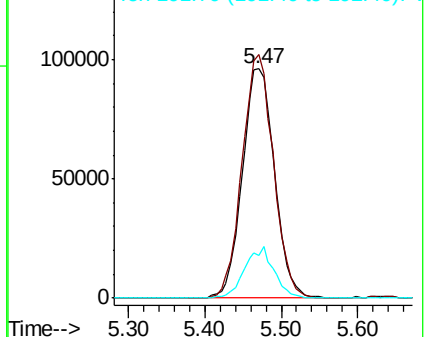
192 20.5 16.9 25.3

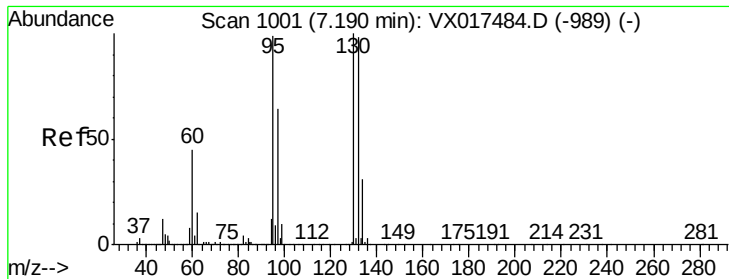


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

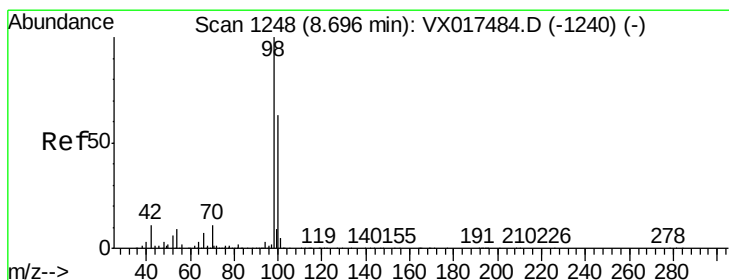
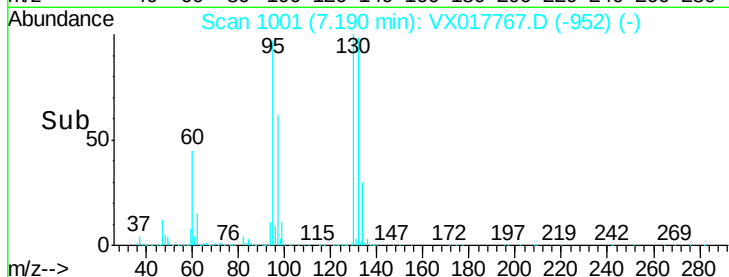
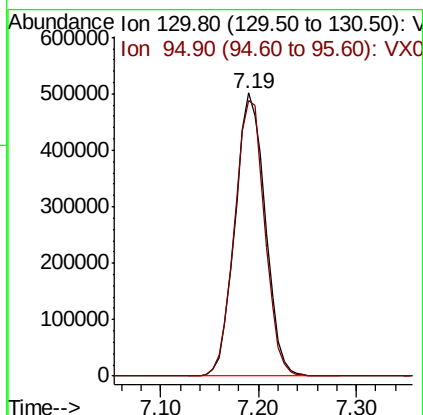
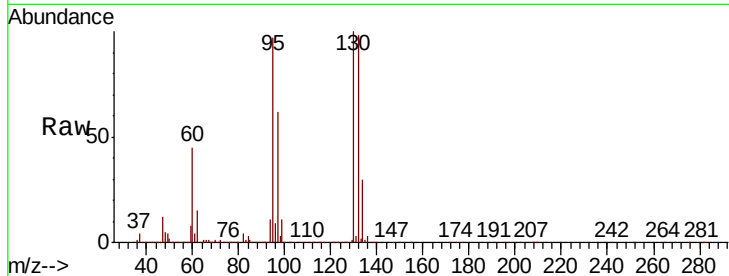




#44  
 Trichloroethene  
 Concen: 149.790 ug/l  
 RT: 7.19 min Scan# 1001  
 Delta R.T. -0.00 min  
 Lab File: VX017767.D  
 Acq: 04 Aug 2020 13:53

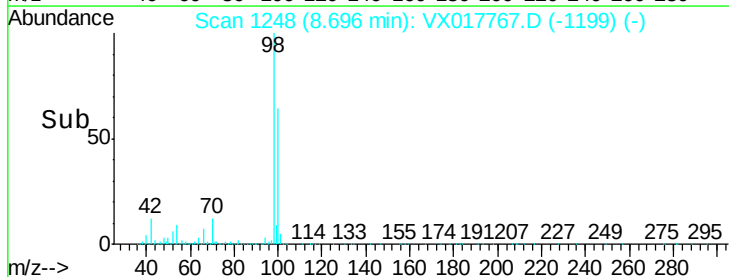
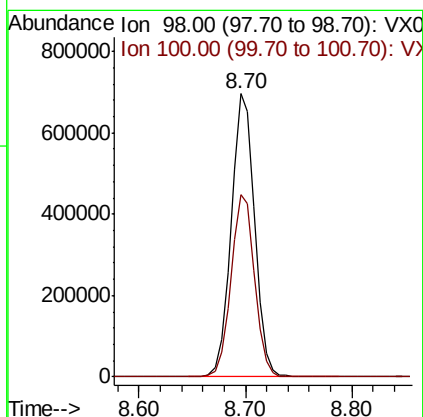
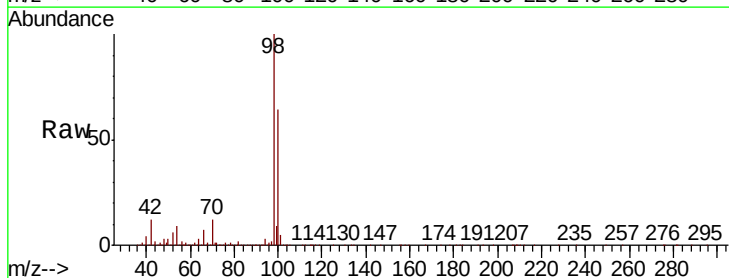
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BP-VPB179-GW-318-320

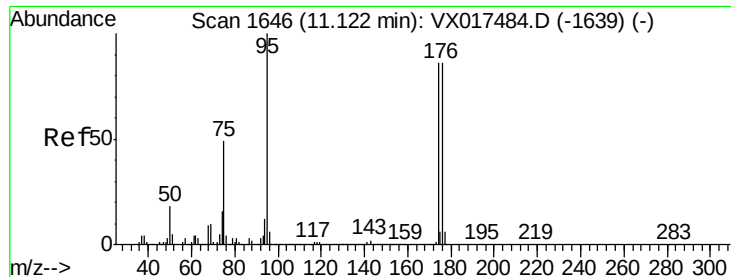
Tot Ion:130 Resp: 1073484  
 Ion Ratio Lower Upper  
 130 100  
 95 97.3 0.0 189.0



#50  
 Toluene-d8  
 Concen: 49.818 ug/l  
 RT: 8.70 min Scan# 1248  
 Delta R.T. -0.00 min  
 Lab File: VX017767.D  
 Acq: 04 Aug 2020 13:53

Tgt Ion: 98 Resp: 1071971  
 Ion Ratio Lower Upper  
 98 100  
 100 64.8 52.3 78.5





#62

4-Bromofluorobenzene

Concen: 46.486 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017767.D

Acq: 04 Aug 2020 13:53

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB179-GW-318-320

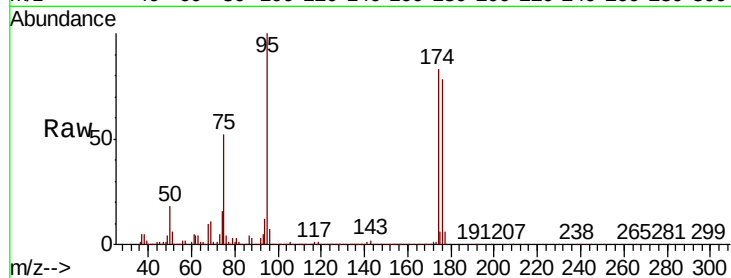
Tot Ion: 95 Resp: 400307

Ion Ratio Lower Upper

95 100

174 82.9 0.0 169.0

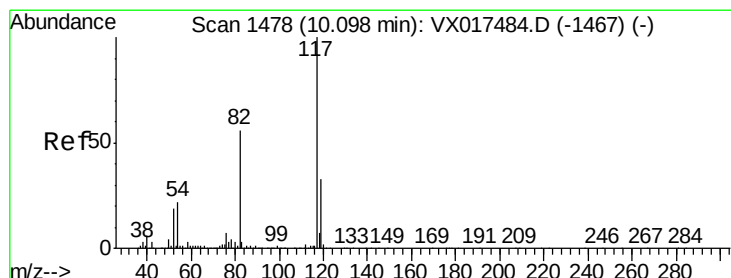
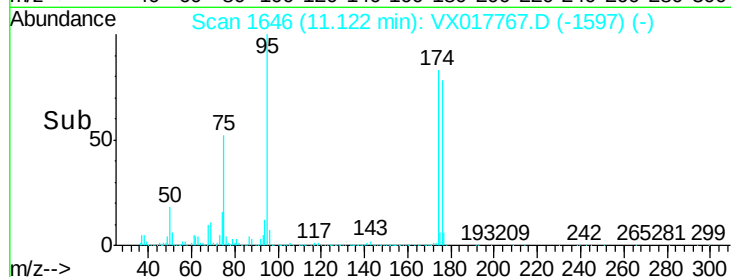
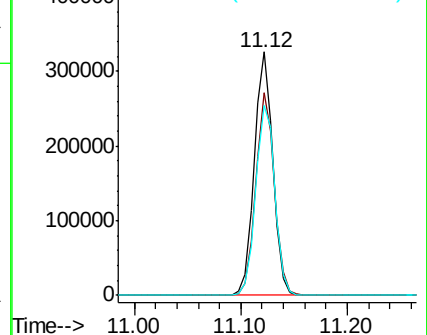
176 80.5 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017767.D

Acq: 04 Aug 2020 13:53

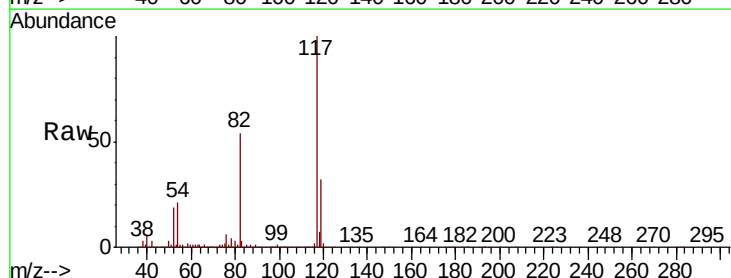
Tgt Ion: 117 Resp: 808222

Ion Ratio Lower Upper

117 100

82 54.4 44.0 66.0

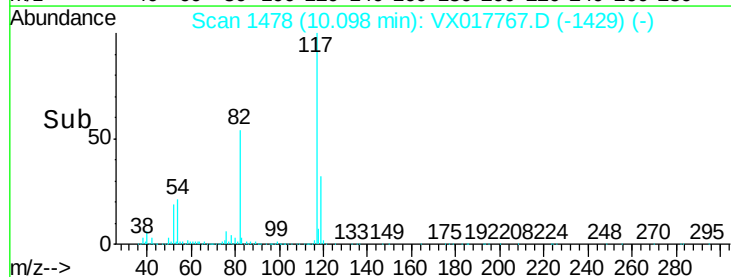
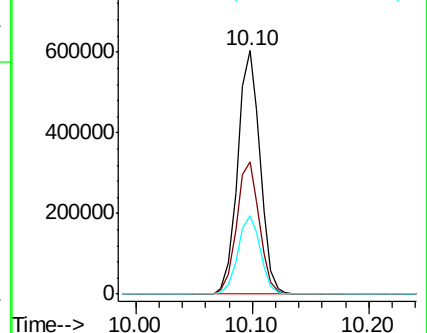
119 32.3 25.4 38.0



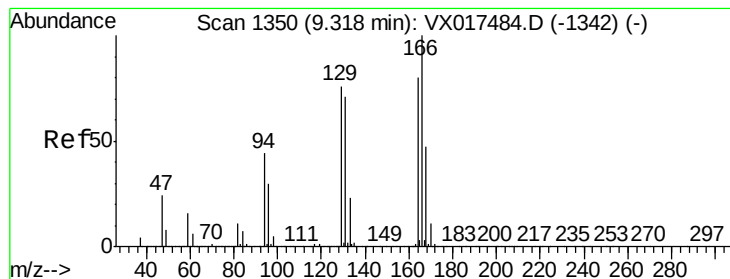
Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V







#64

Tetrachloroethene

Concen: 11.067 ug/l

RT: 9.32 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VX017767.D

Acq: 04 Aug 2020 13:53

Instrument :

MSVOA\_X

ClientSampleId :

BP-VPB179-GW-318-320

Tot Ion:164 Resp: 80279

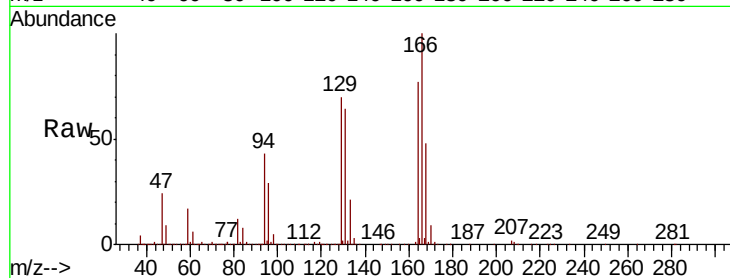
Ion Ratio Lower Upper

164 100

166 129.9 100.6 150.8

129 90.7 75.0 112.6

131 83.6 75.2 112.8

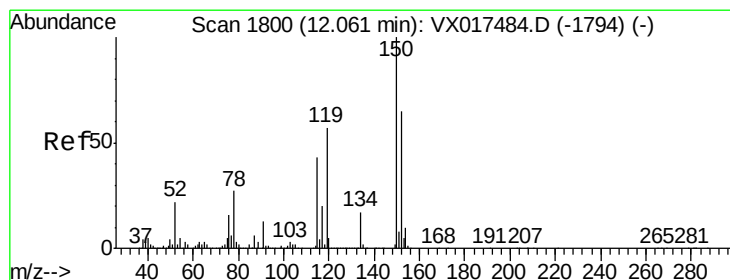
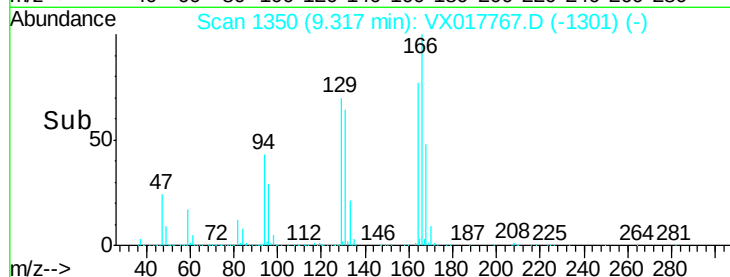
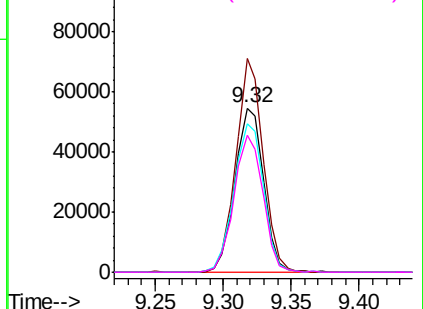


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017767.D

Acq: 04 Aug 2020 13:53

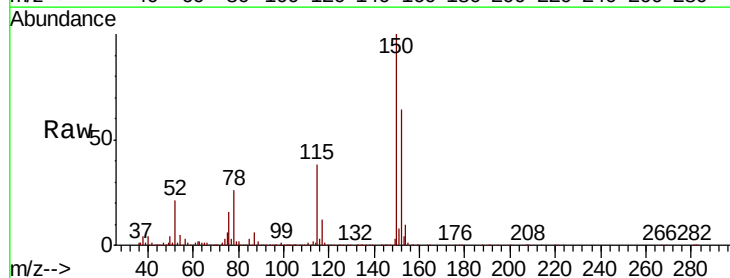
Tgt Ion:152 Resp: 403114

Ion Ratio Lower Upper

152 100

115 57.1 65.5 196.6#

150 155.0 0.0 412.6



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

