

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\  
 Data File : VX013118.D  
 Acq On : 17 Oct 2019 19:28  
 Operator : JC/SP  
 Sample : K5396-05  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-JMW0301C

Quant Time: Oct 18 10:15:25 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X100819W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 16 07:26:22 2019  
 Response via : Initial Calibration

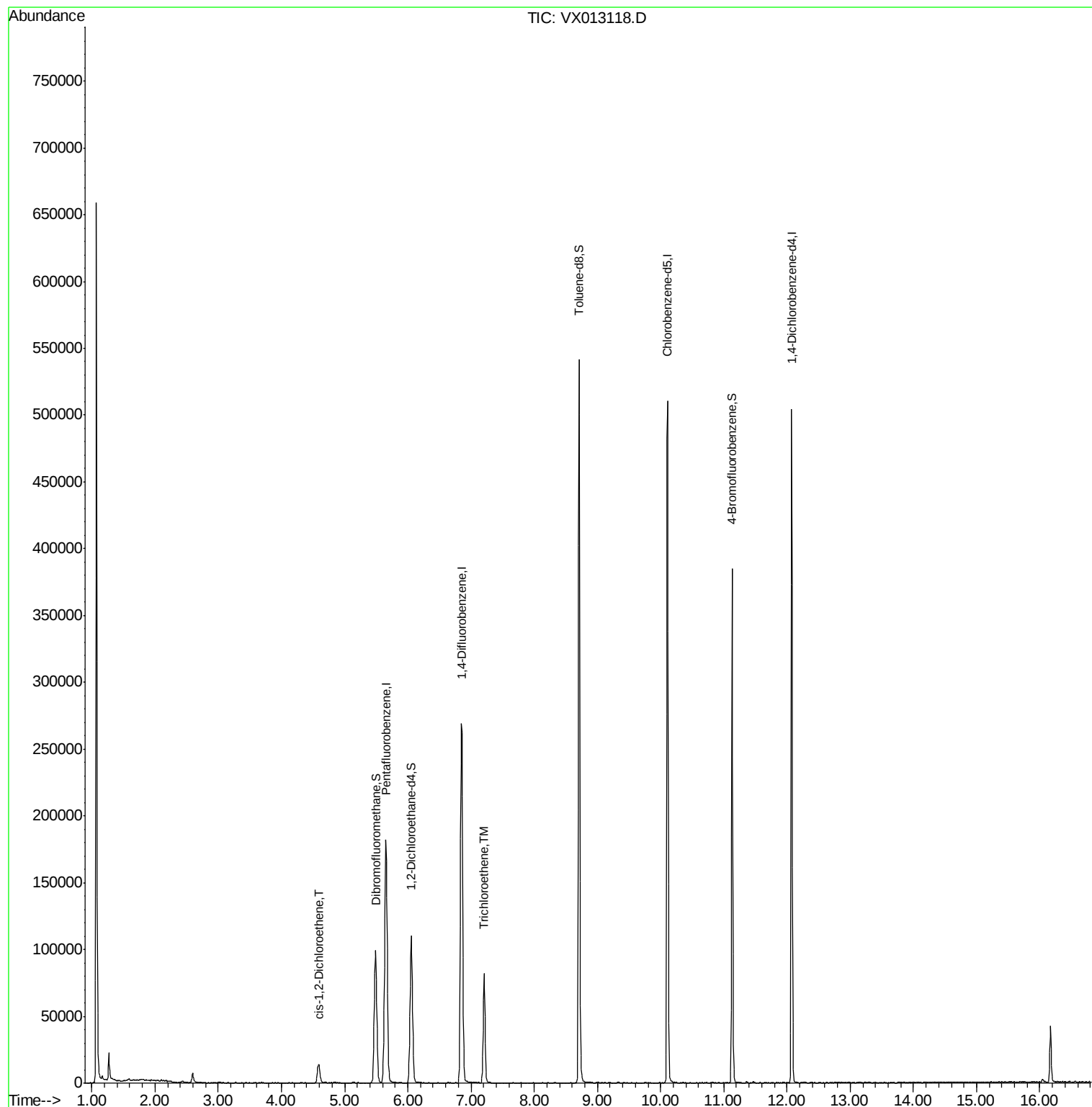
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 172816   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 278282   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 241206   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 99453    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 105184   | 48.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.40%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 82622    | 51.73  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.46% |          |
| 50) Toluene-d8              | 8.71  | 98   | 323148   | 51.87  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.74% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 110473   | 45.64  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.28%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 27) cis-1,2-Dichloroethene  | 4.58  | 96   | 9804     | 4.544  | ug/l    | 84       |
| 44) Trichloroethene         | 7.21  | 130  | 32089    | 16.014 | ug/l    | 97       |

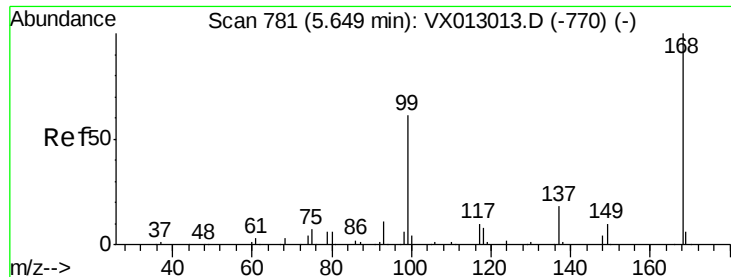
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Wed Oct 16 07:26:22 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

Instrument :

MSVOA\_X

ClientSampleId :

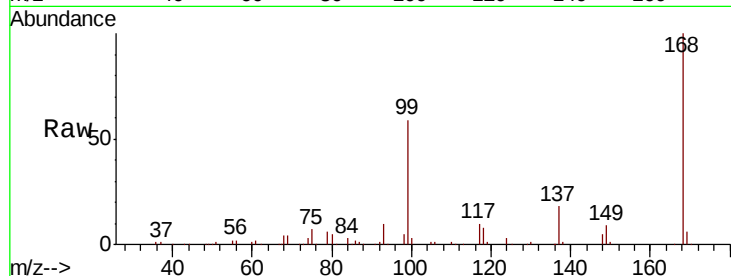
FA19-JMW0301C

Tot Ion:168 Resp: 172816

Ion Ratio Lower Upper

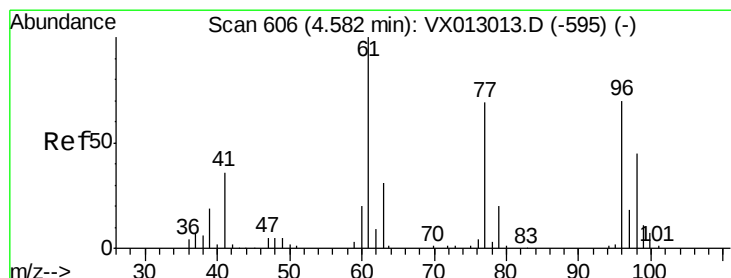
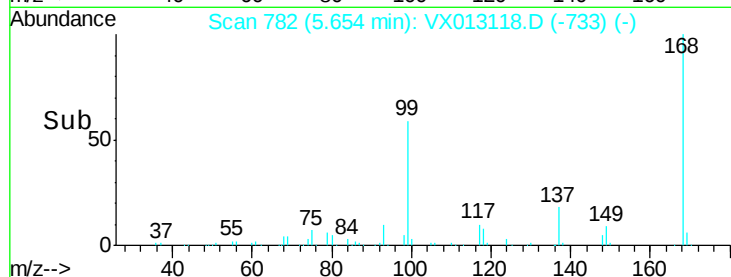
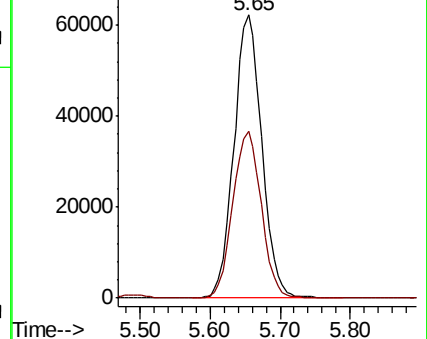
168 100

99 59.2 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 4.544 ug/l

RT: 4.58 min Scan# 606

Delta R.T. -0.01 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

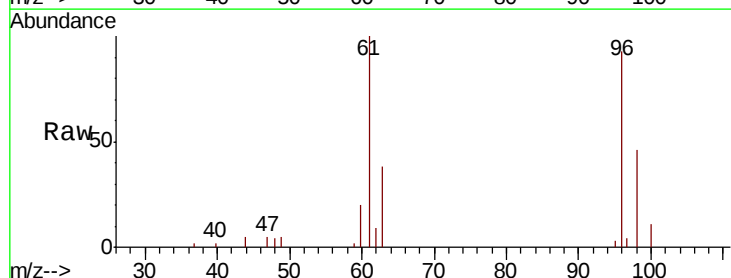
Tgt Ion: 96 Resp: 9804

Ion Ratio Lower Upper

96 100

61 119.4 0.0 290.6

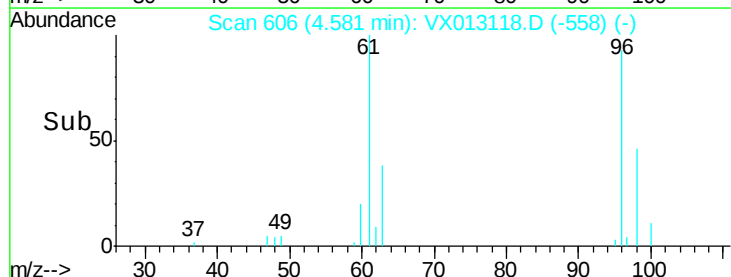
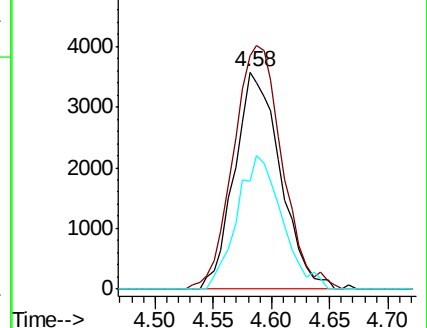
98 60.6 0.0 128.8

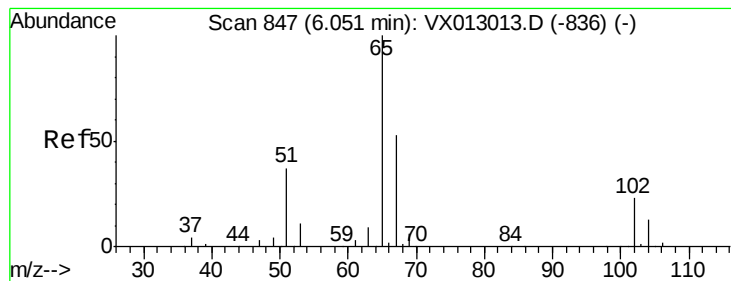


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 48.697 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

Instrument :

MSVOA\_X

ClientSampleId :

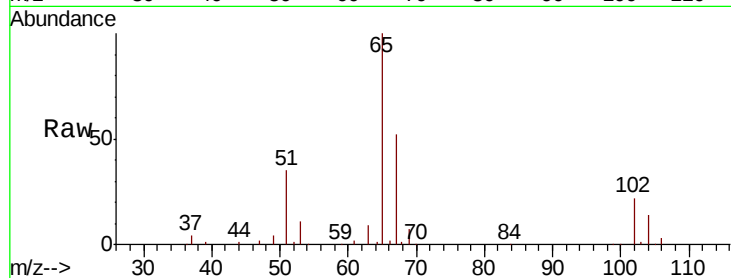
FA19-JMW0301C

Tot Ion: 65 Resp: 105184

Ion Ratio Lower Upper

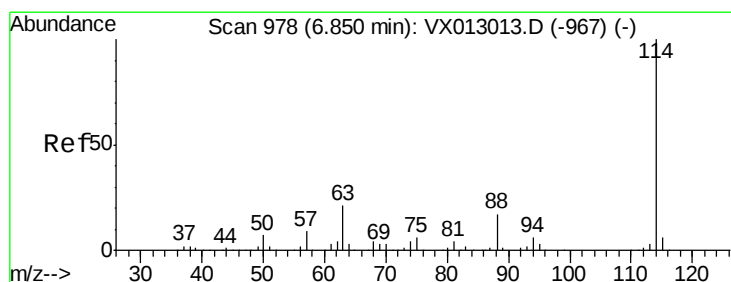
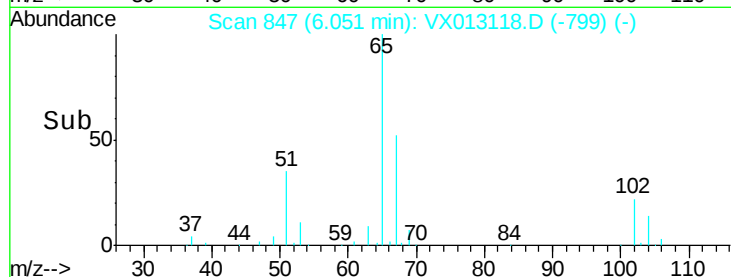
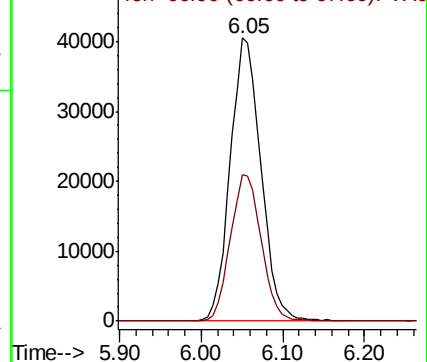
65 100

67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013118.D

Acq: 17 Oct 2019 19:28

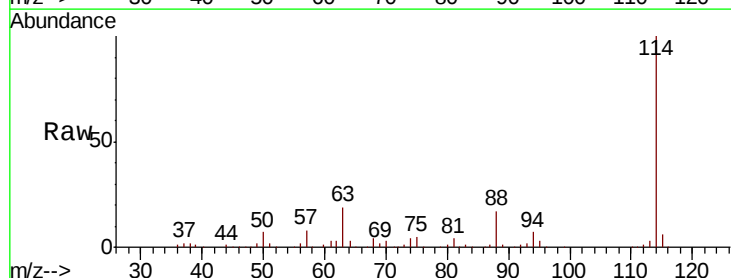
Tgt Ion: 114 Resp: 278282

Ion Ratio Lower Upper

114 100

63 19.0 0.0 40.8

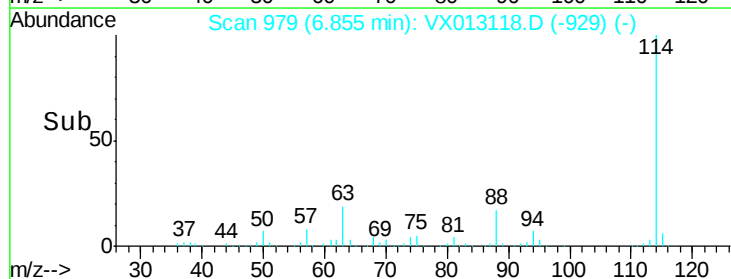
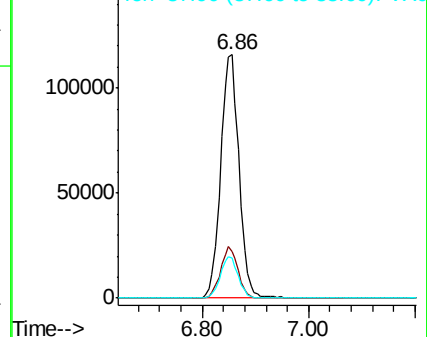
88 16.5 0.0 33.8

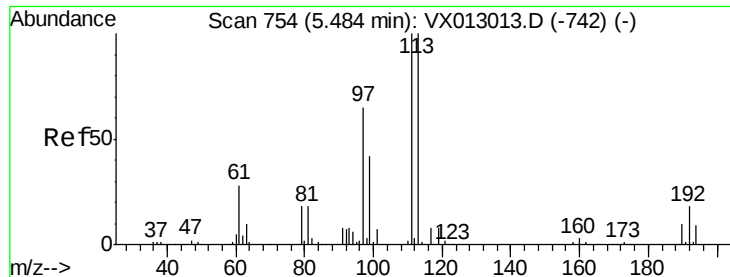


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

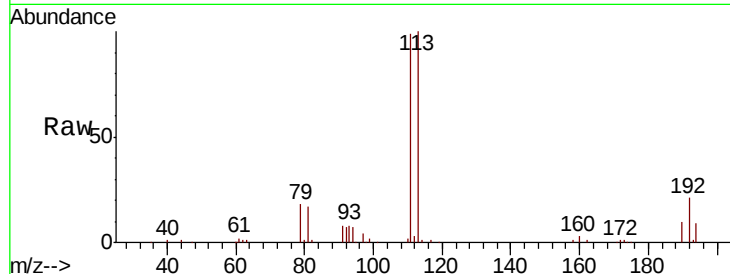




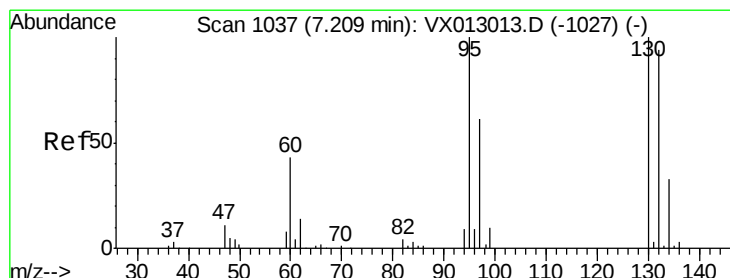
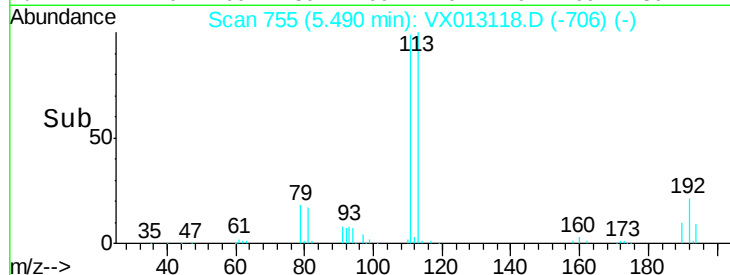
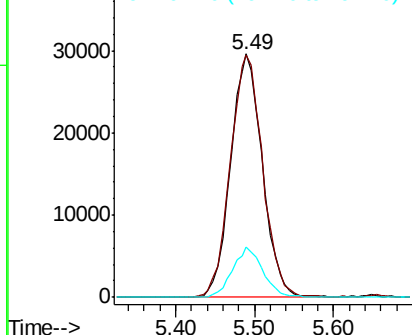
#35  
 Dibromofluoromethane  
 Concen: 51.730 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. -0.00 min  
 Lab File: VX013118.D  
 Acq: 17 Oct 2019 19:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-JMW0301C

Tot Ion:113 Resp: 82622  
 Ion Ratio Lower Upper  
 113 100  
 111 101.7 83.2 124.8  
 192 19.5 15.4 23.2

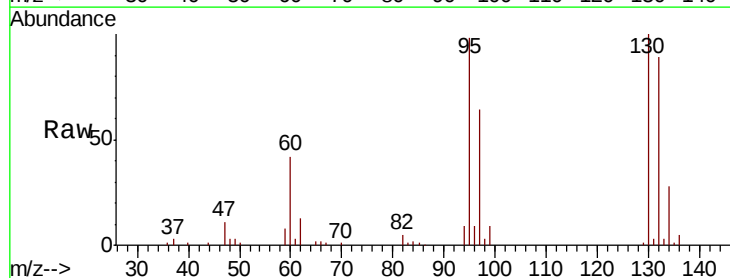


Abundance Ion 112.80 (112.50 to 113.50): V  
 Ion 110.80 (110.50 to 111.50): V  
 Ion 191.70 (191.40 to 192.40): V

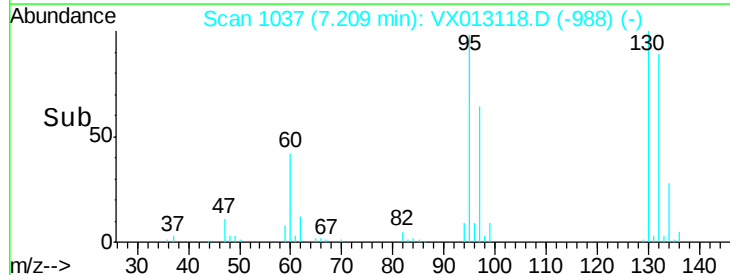
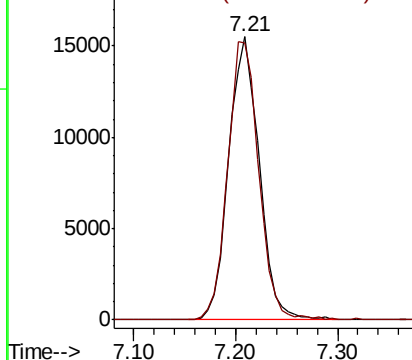


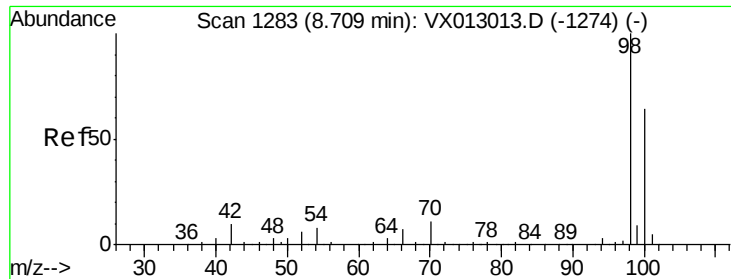
#44  
 Trichloroethene  
 Concen: 16.014 ug/l  
 RT: 7.21 min Scan# 1037  
 Delta R.T. -0.00 min  
 Lab File: VX013118.D  
 Acq: 17 Oct 2019 19:28

Tgt Ion:130 Resp: 32089  
 Ion Ratio Lower Upper  
 130 100  
 95 98.0 0.0 189.2



Abundance Ion 129.80 (129.50 to 130.50): V  
 Ion 94.90 (94.60 to 95.60): VX0

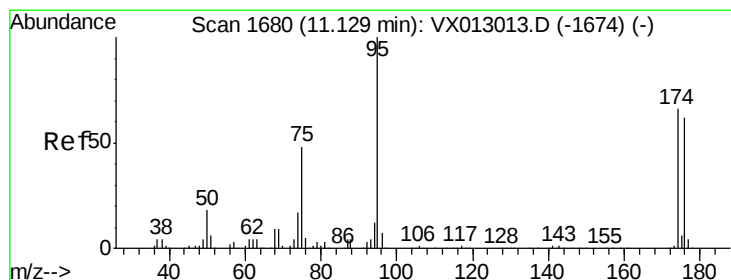
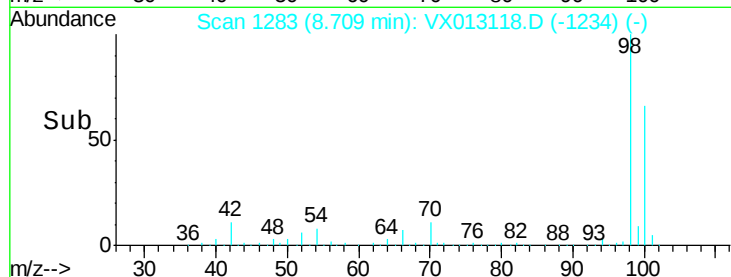
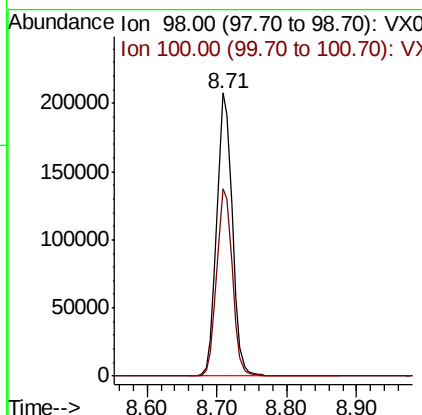
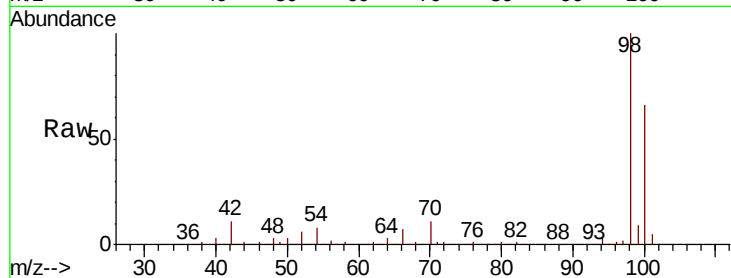




#50  
Toluene-d8  
Concen: 51.874 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX013118.D  
Acq: 17 Oct 2019 19:28

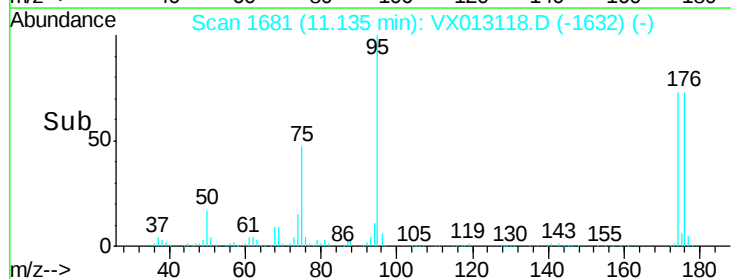
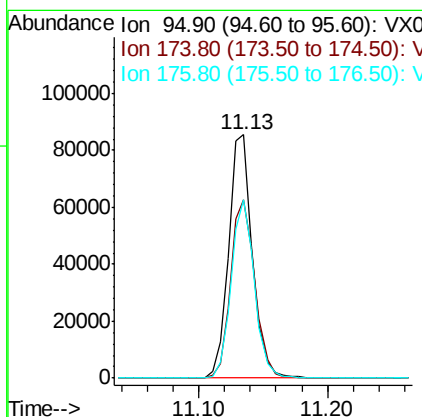
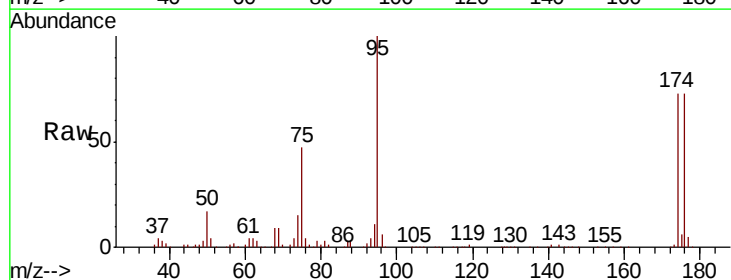
Instrument :  
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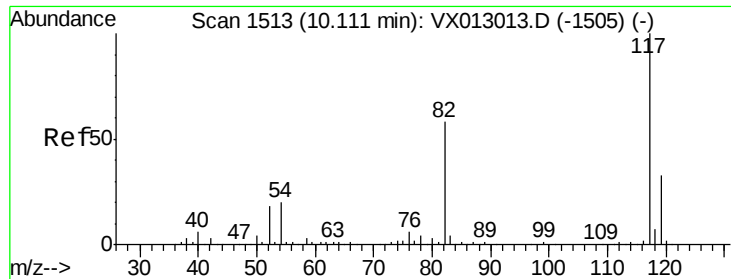
Tot Ion: 98 Resp: 323148  
Ion Ratio Lower Upper  
98 100  
100 66.6 53.4 80.2



#62  
4-Bromofluorobenzene  
Concen: 45.641 ug/l  
RT: 11.13 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VX013118.D  
Acq: 17 Oct 2019 19:28

Tgt Ion: 95 Resp: 110473  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 143.4  
176 71.8 0.0 136.0

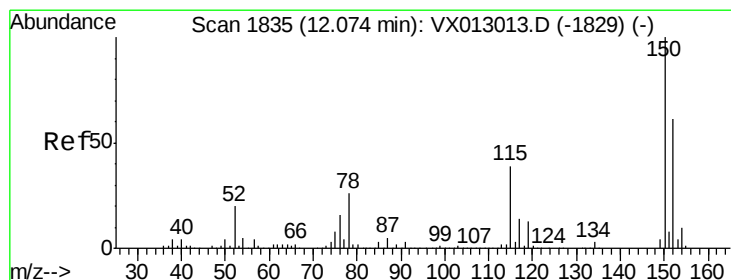
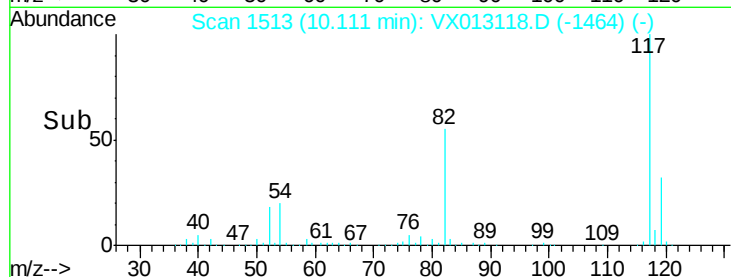
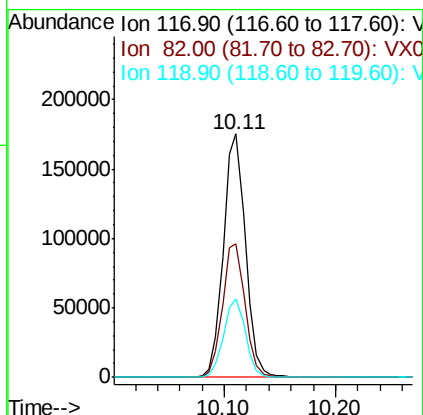
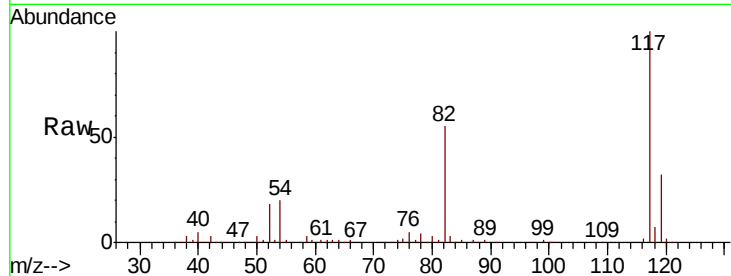




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013118.D  
Acq: 17 Oct 2019 19:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-JMW0301C

Tot Ion:117 Resp: 241206  
Ion Ratio Lower Upper  
117 100  
82 54.9 44.1 66.1  
119 32.3 25.8 38.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013118.D  
Acq: 17 Oct 2019 19:28

Tgt Ion:152 Resp: 99453  
Ion Ratio Lower Upper  
152 100  
115 61.9 44.5 133.5  
150 157.4 0.0 353.4

