

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100319\  
 Data File : VX012787.D  
 Acq On : 03 Oct 2019 16:36  
 Operator : JC/SP  
 Sample : K5189-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ134I-20190930

Quant Time: Oct 04 07:29:51 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

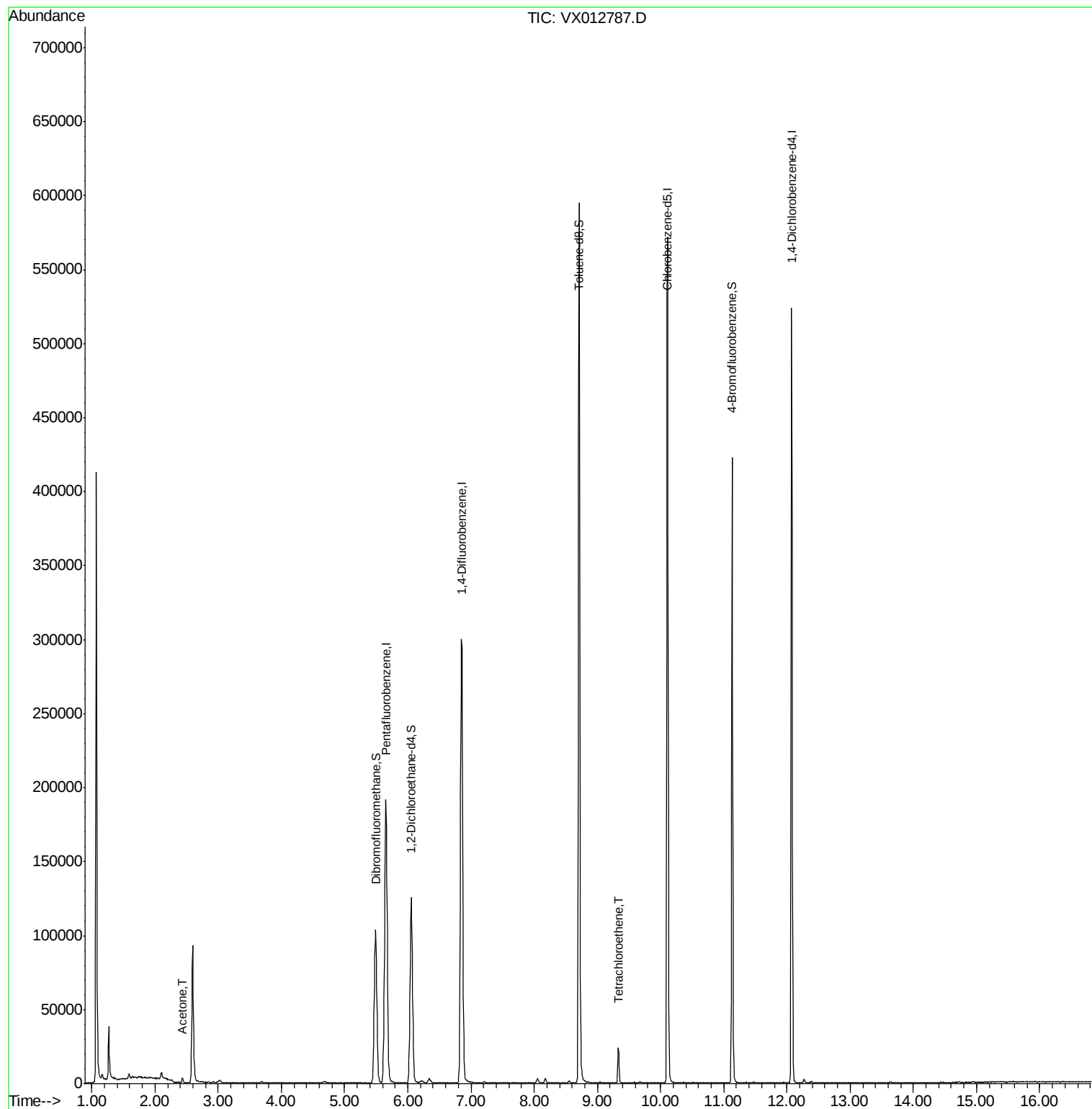
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 174138   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 300090   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 257688   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 100448   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 121542   | 47.93 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 95.86%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 90653    | 50.72 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.44% |          |
| 50) Toluene-d8              | 8.71  | 98   | 354458   | 51.50 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 103.00% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 120916   | 44.68 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.36%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.43  | 43   | 3332     | 2.481 | ug/l    | 93       |
| 64) Tetrachloroethene       | 9.33  | 164  | 4430     | 2.466 | ug/l    | 90       |

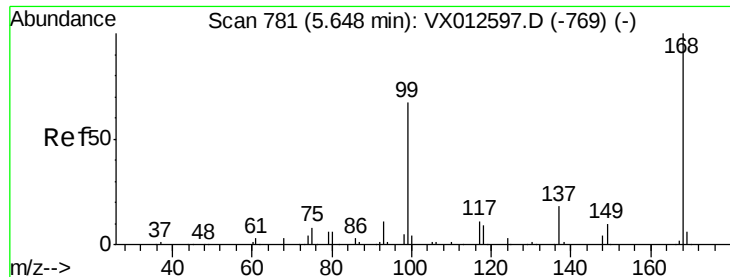
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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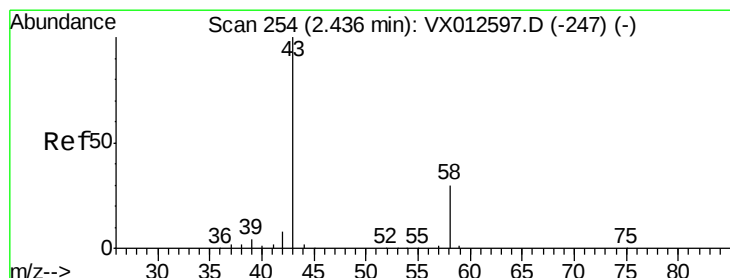
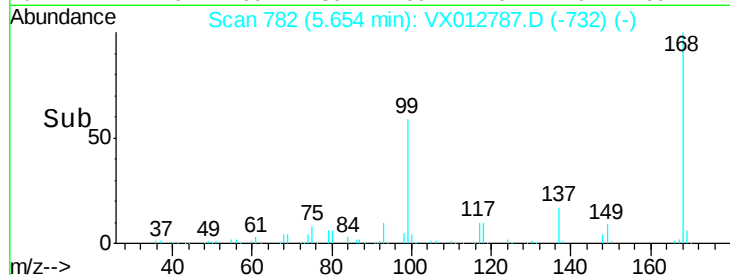
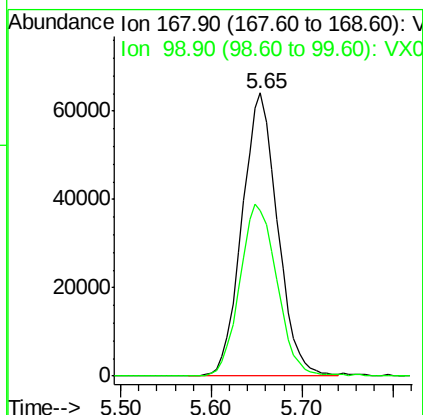
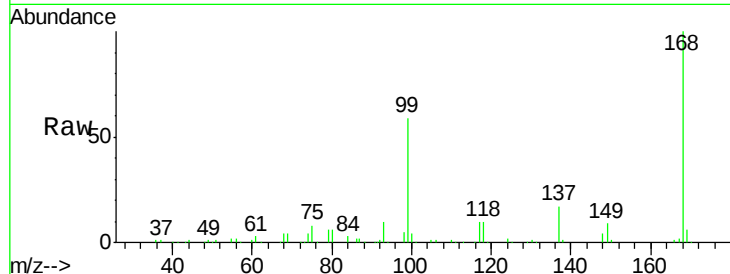




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.65 min Scan# 782  
Delta R.T. 0.01 min  
Lab File: VX012787.D  
Acq: 03 Oct 2019 16:36

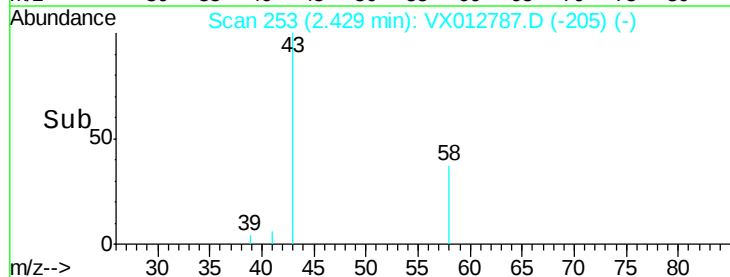
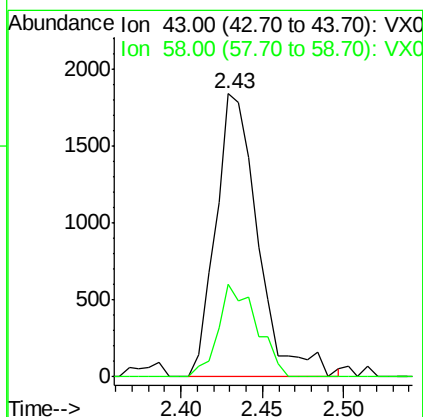
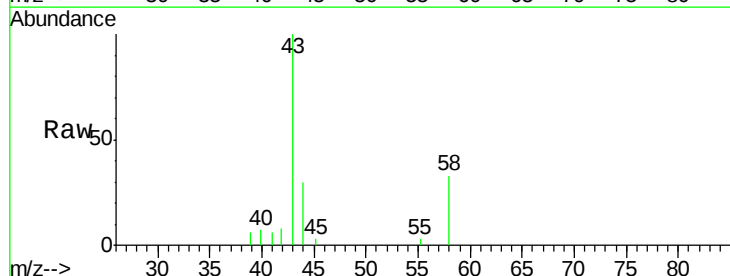
Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ134I-20190930

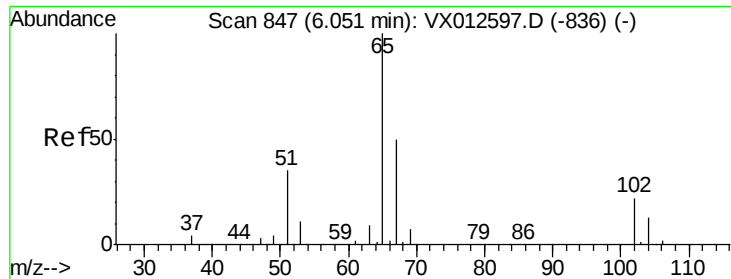
Tot Ion:168 Resp: 174138  
Ion Ratio Lower Upper  
168 100  
99 58.7 51.4 77.2



#16  
Acetone  
Concen: 2.481 ug/l  
RT: 2.43 min Scan# 253  
Delta R.T. -0.01 min  
Lab File: VX012787.D  
Acq: 03 Oct 2019 16:36

Tgt Ion: 43 Resp: 3332  
Ion Ratio Lower Upper  
43 100  
58 32.9 23.3 34.9





#33

1,2-Dichloroethane-d4

Concen: 47.931 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA\_X

ClientSampleId :

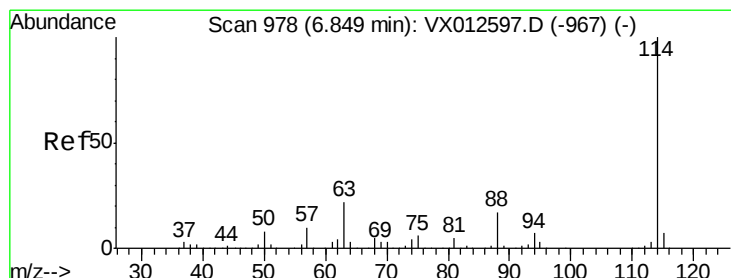
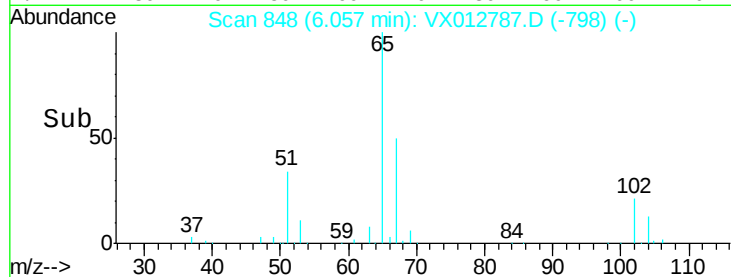
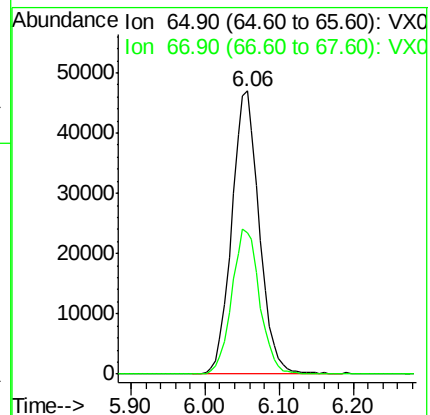
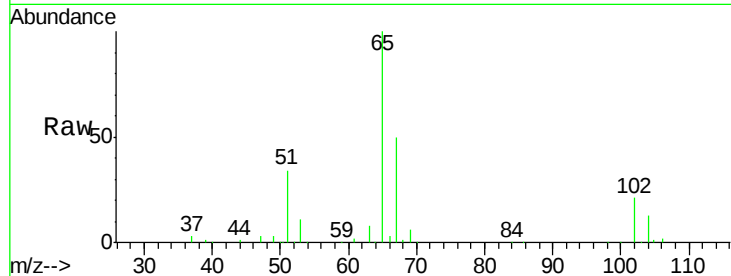
SA-PZ134I-20190930

Tot Ion: 65 Resp: 121542

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

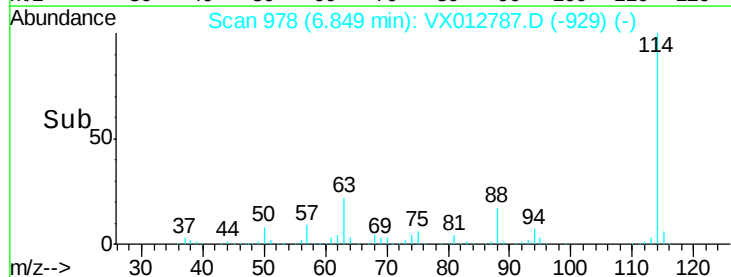
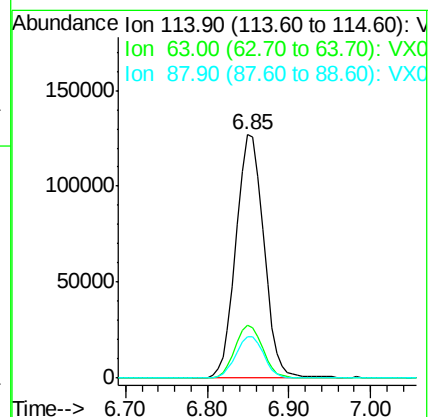
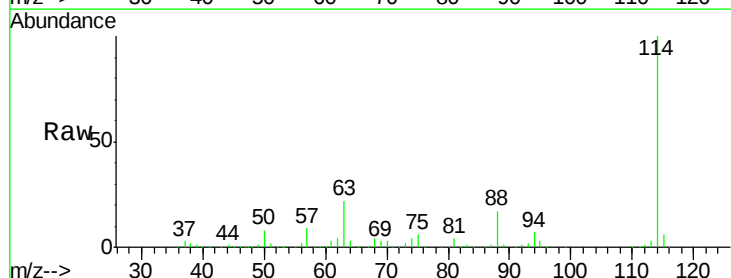
Tgt Ion: 114 Resp: 300090

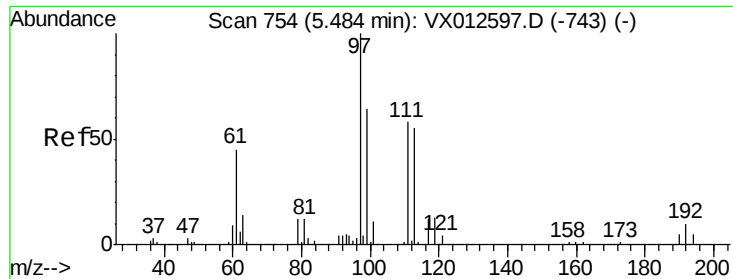
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.2

88 16.9 0.0 33.2

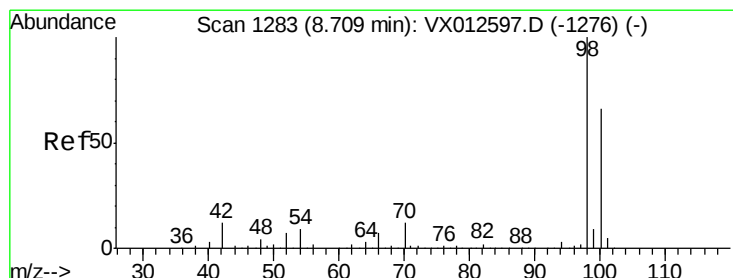
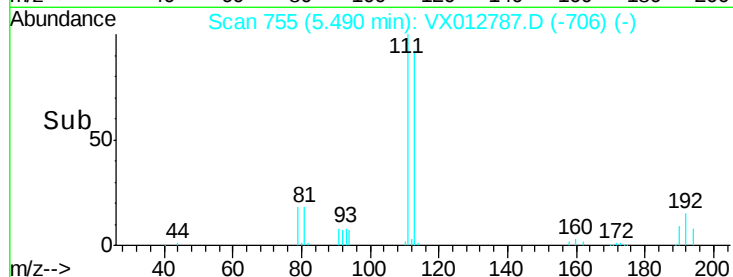
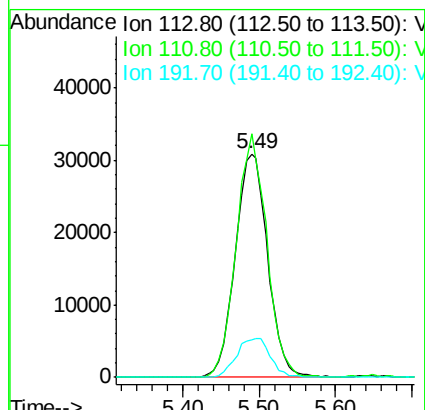
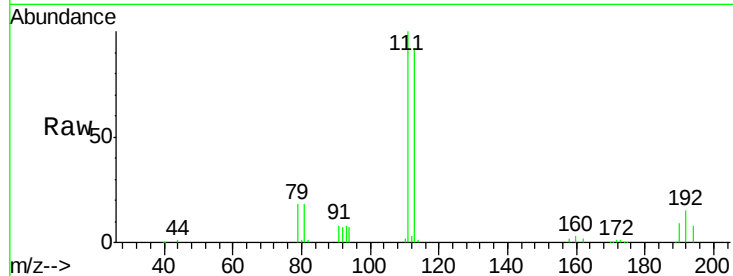




#35  
Dibromofluoromethane  
Concen: 50.724 ug/l  
RT: 5.49 min Scan# 755  
Delta R.T. -0.00 min  
Lab File: VX012787.D  
Acq: 03 Oct 2019 16:36

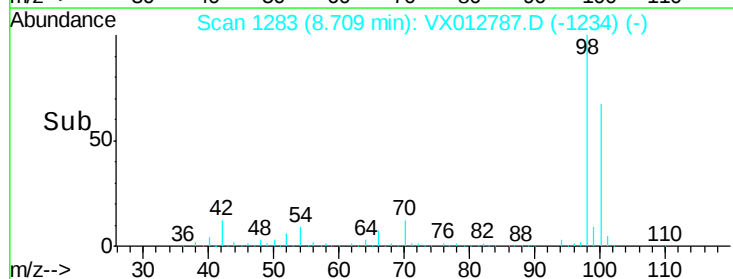
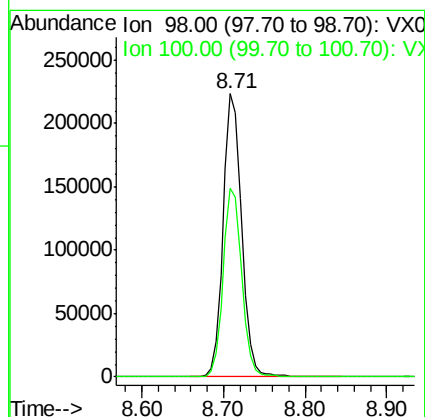
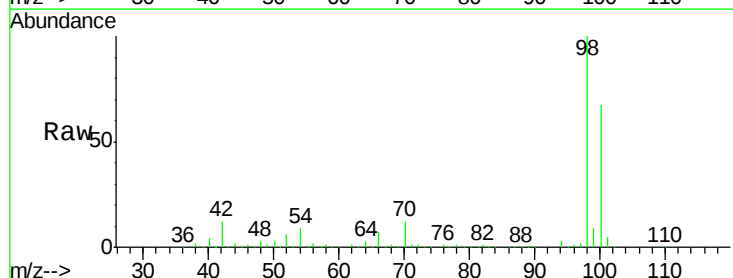
Instrument :  
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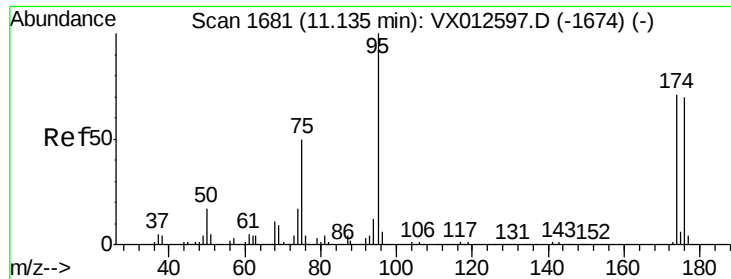
Tot Ion:113 Resp: 90653  
Ion Ratio Lower Upper  
113 100  
111 102.9 83.4 125.2  
192 18.1 14.4 21.6



#50  
Toluene-d8  
Concen: 51.501 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX012787.D  
Acq: 03 Oct 2019 16:36

Tgt Ion: 98 Resp: 354458  
Ion Ratio Lower Upper  
98 100  
100 67.0 53.4 80.2





#62

4-Bromofluorobenzene

Concen: 44.681 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ134I-20190930

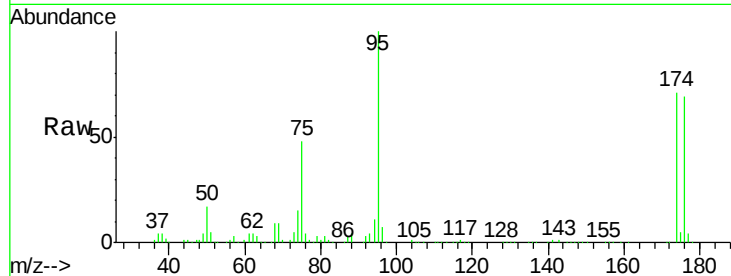
Tot Ion: 95 Resp: 120916

Ion Ratio Lower Upper

95 100

174 70.0 0.0 140.0

176 67.0 0.0 135.4

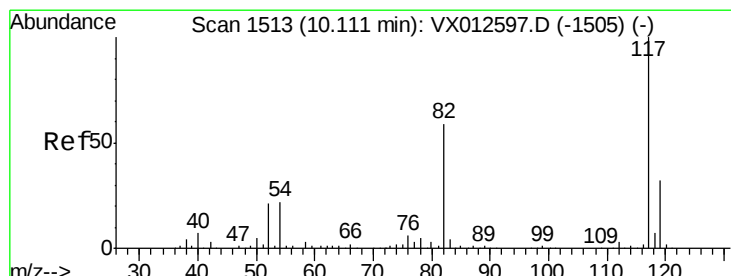
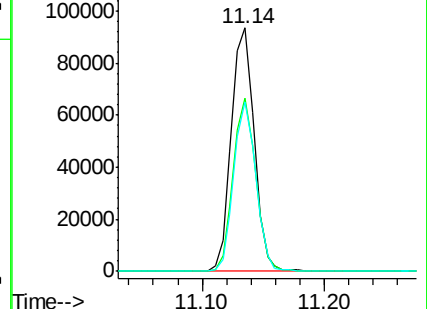
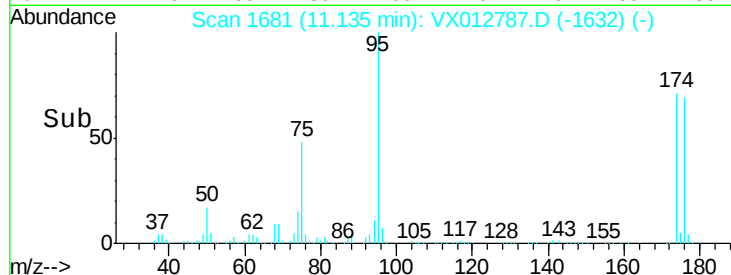


Abundance Ion 94.90 (94.60 to 95.60): VX012597.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012597.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012597.D (-1674) (-)

11.14



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012787.D

Acq: 03 Oct 2019 16:36

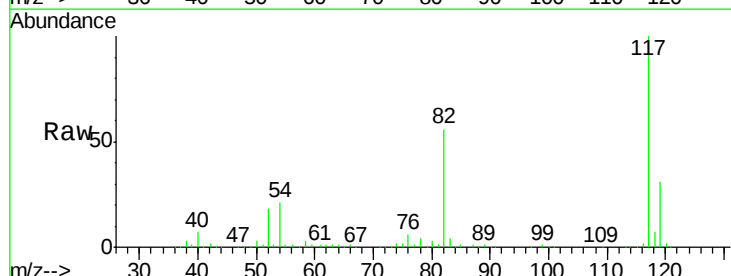
Tgt Ion: 117 Resp: 257688

Ion Ratio Lower Upper

117 100

82 56.3 45.9 68.9

119 31.3 25.3 37.9

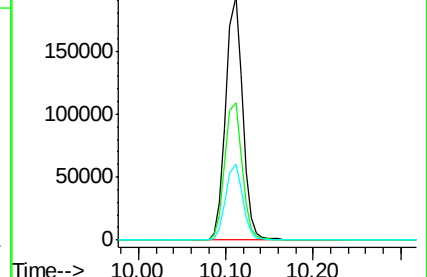
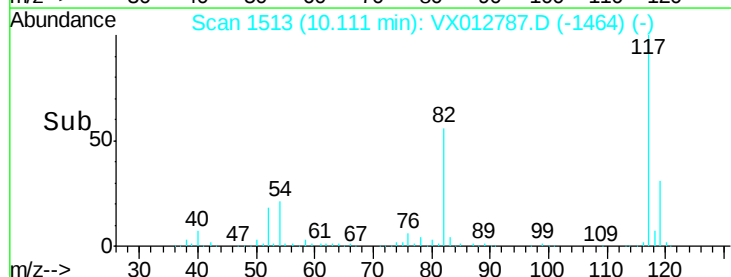


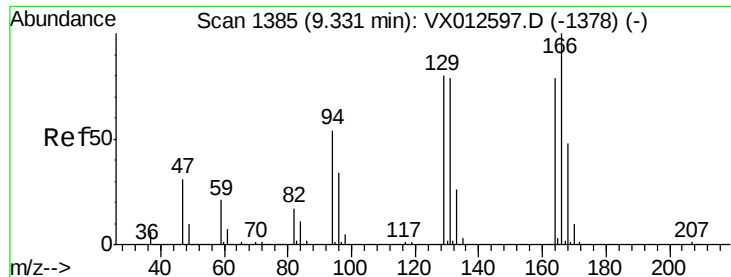
Abundance Ion 116.90 (116.60 to 117.60): VX012597.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012597.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012597.D (-1505) (-)

10.11

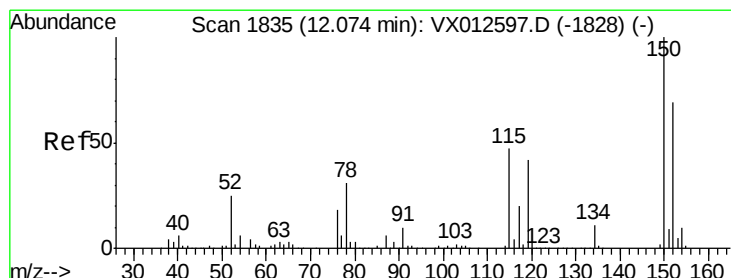
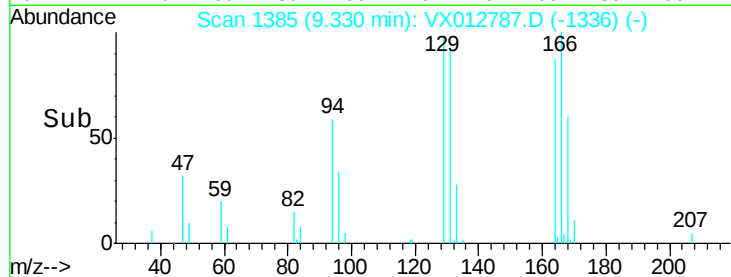
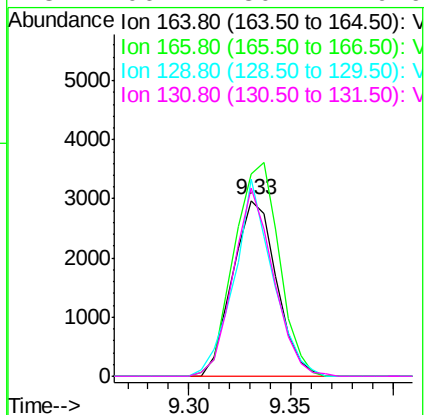
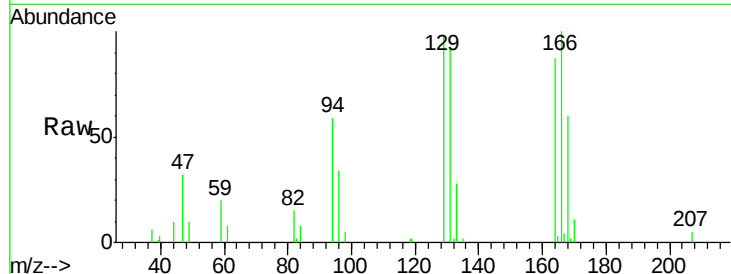




#64  
Tetrachloroethene  
Concen: 2.466 ug/l  
RT: 9.33 min Scan# 1385  
Delta R.T. -0.00 min  
Lab File: VX012787.D  
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Tot Ion:164 Resp: 4430  
Ion Ratio Lower Upper  
164 100  
166 114.9 107.8 161.6  
129 112.3 86.2 129.2  
131 106.7 80.4 120.6



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX012787.D  
Acq: 03 Oct 2019 16:36

Tgt Ion:152 Resp: 100448  
Ion Ratio Lower Upper  
152 100  
115 63.5 44.1 132.3  
150 158.0 0.0 343.8

