

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011020\  
 Data File : VX014567.D  
 Acq On : 11 Jan 2020 03:59  
 Operator : JC/SP  
 Sample : PB125993ZHE#13  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB125993ZHE#13

Quant Time: Jan 11 05:54:56 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010720W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 07 15:54:41 2020  
 Response via : Initial Calibration

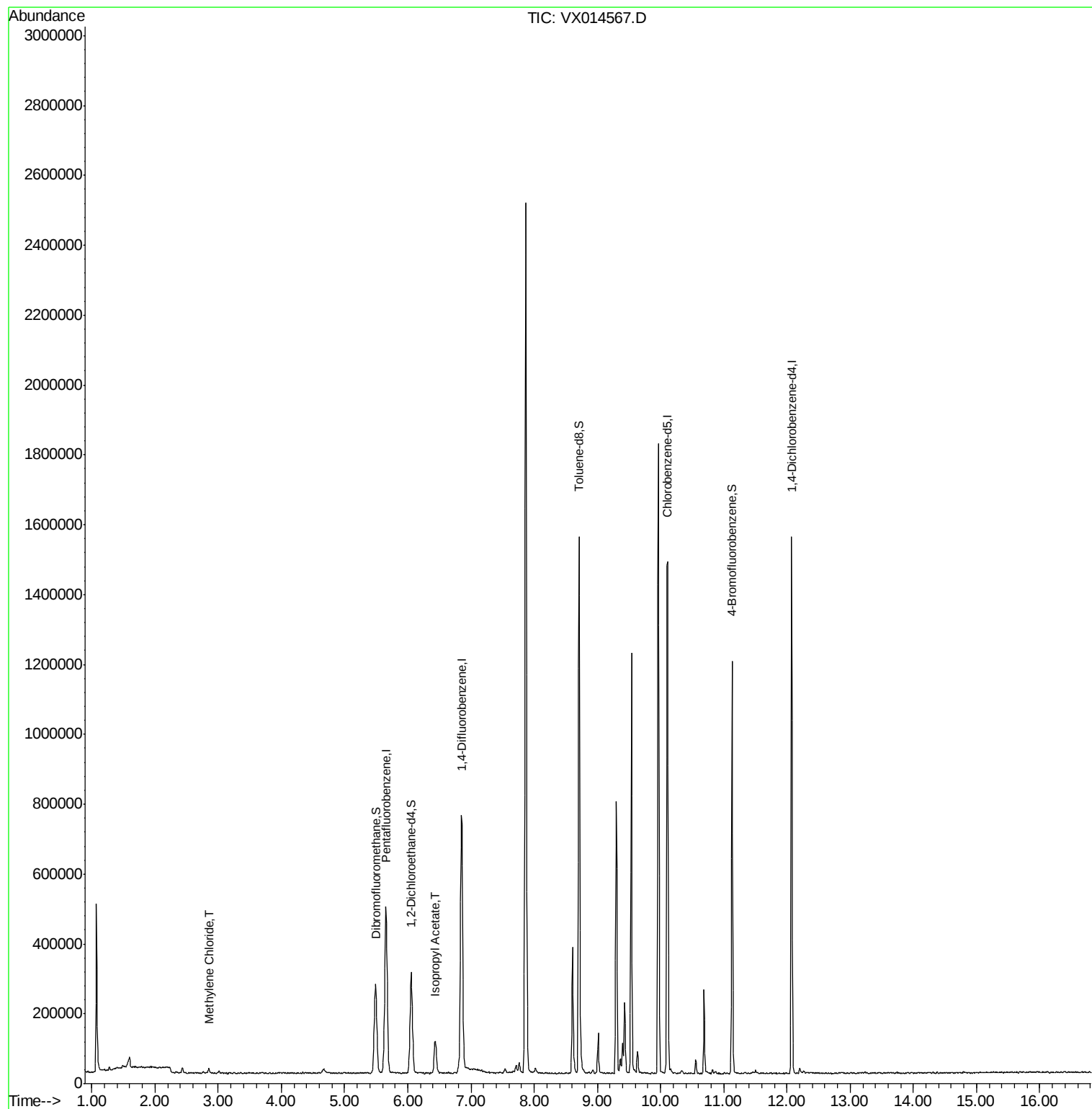
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 483375   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 753356   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 693277   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 312777   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 268271   | 49.72  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.44%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 226198   | 49.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 99.20%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 903291   | 51.04  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.08% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 311820   | 48.00  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.00%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 20) Methylene Chloride      | 2.85  | 84   | 7496     | 1.381  | ug/l #  | 96       |
| 43) Isopropyl Acetate       | 6.43  | 43   | 130225   | 10.476 | ug/l    | 98       |

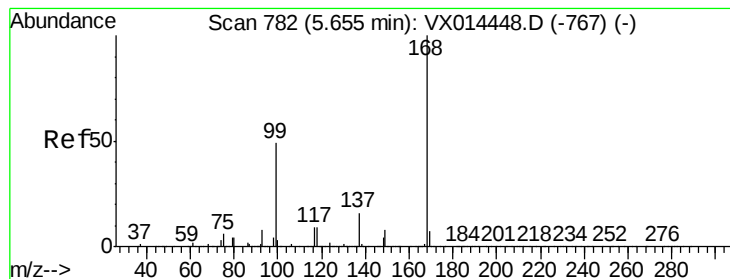
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jan 07 15:54:41 2020  
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: VX014567.D

Acq: 11 Jan 2020 03:59

Instrument :

MSVOA\_X

ClientSampleId :

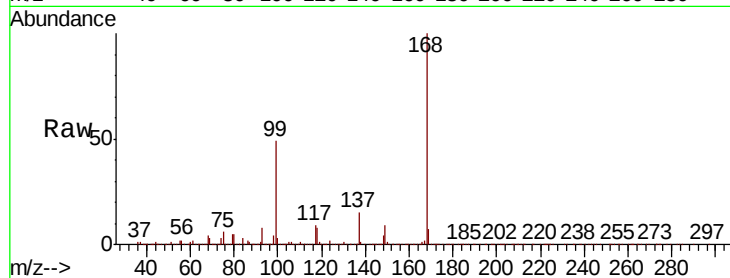
PB125993ZHE#13

Tot Ion:168 Resp: 483375

Ion Ratio Lower Upper

168 100

99 49.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

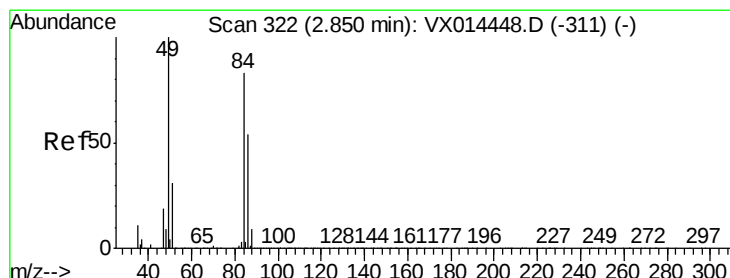
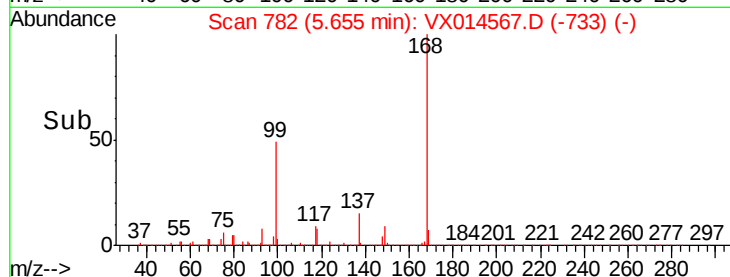
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#20

Methylene Chloride

Concen: 1.381 ug/l

RT: 2.85 min Scan# 322

Delta R.T. -0.00 min

Lab File: VX014567.D

Acq: 11 Jan 2020 03:59

Tgt Ion: 84 Resp: 7496

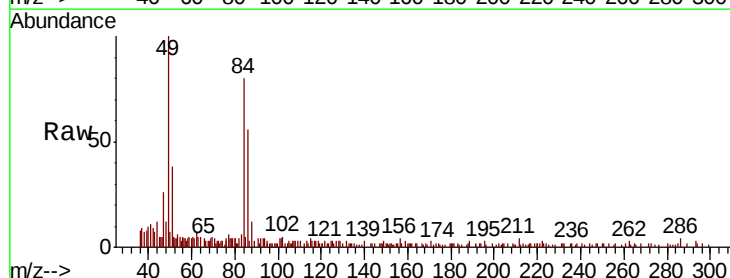
Ion Ratio Lower Upper

84 100

49 118.6 95.8 143.8

51 47.3 30.2 45.4#

86 66.4 51.8 77.6



Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

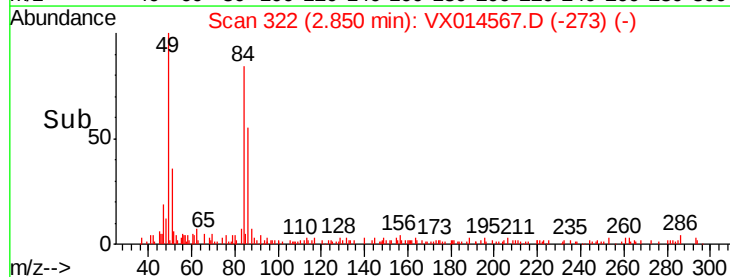
2.85

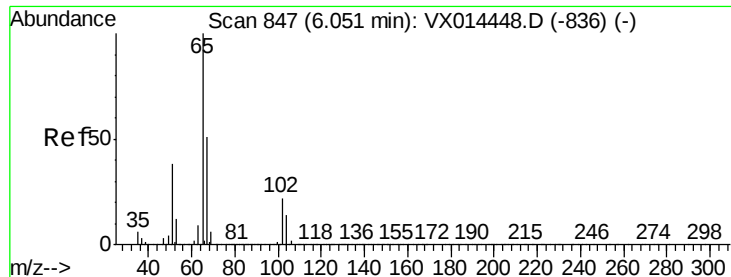
4000

2000

0

Time--> 2.75 2.80 2.85 2.90 2.95

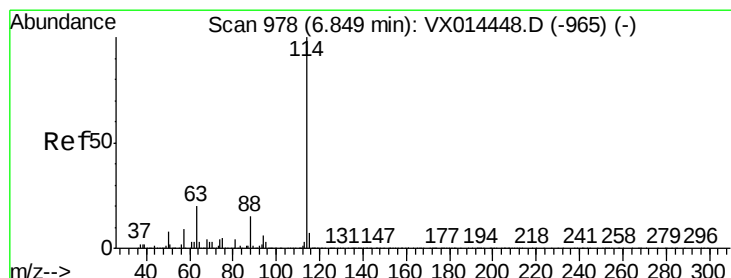
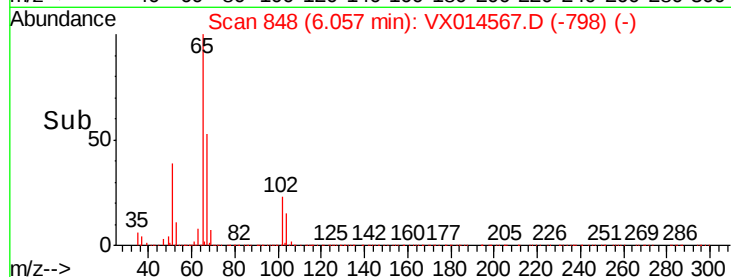
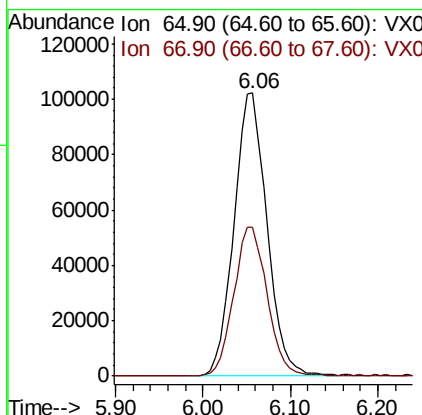
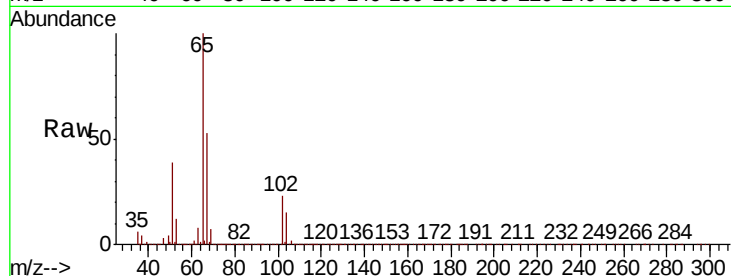




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.716 ug/l  
 RT: 6.06 min Scan# 848  
 Delta R.T. 0.01 min  
 Lab File: VX014567.D  
 Acq: 11 Jan 2020 03:59

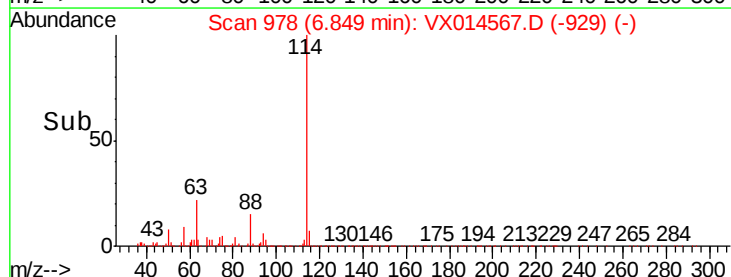
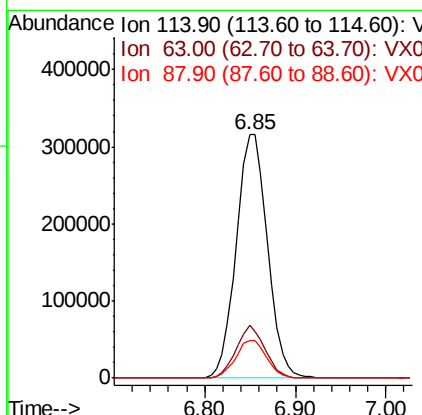
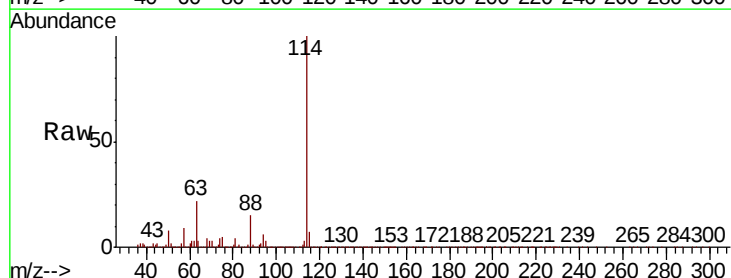
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 PB125993ZHE#13

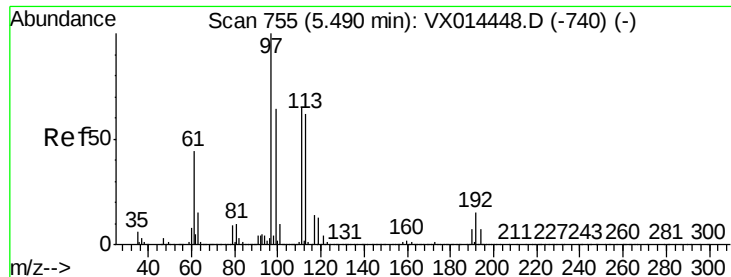
Tot Ion: 65 Resp: 268271  
 Ion Ratio Lower Upper  
 65 100  
 67 53.5 0.0 106.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX014567.D  
 Acq: 11 Jan 2020 03:59

Tgt Ion: 114 Resp: 753356  
 Ion Ratio Lower Upper  
 114 100  
 63 21.5 0.0 39.6  
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 49.601 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX014567.D

Acq: 11 Jan 2020 03:59

Instrument :

MSVOA\_X

ClientSampleId :

PB125993ZHE#13

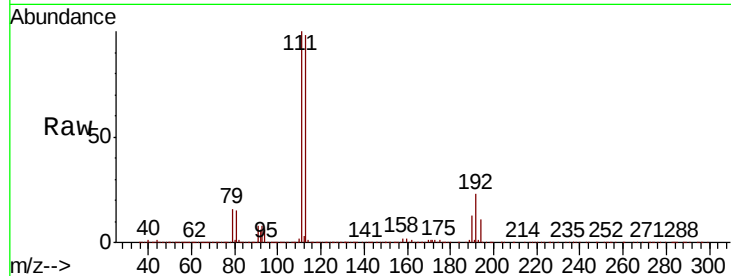
Tot Ion:113 Resp: 226198

Ion Ratio Lower Upper

113 100

111 101.3 81.5 122.3

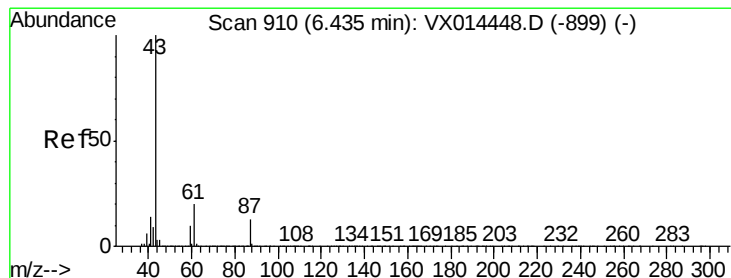
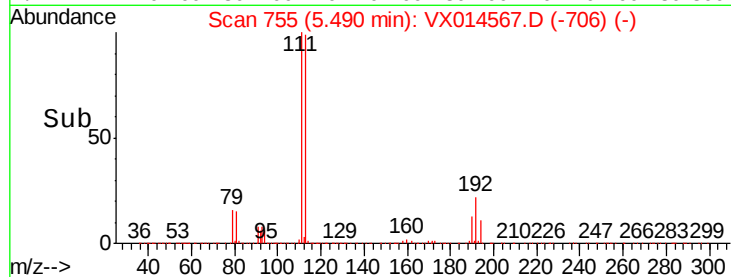
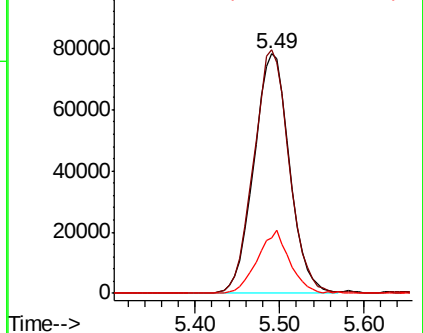
192 23.6 19.2 28.8



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



#43

Isopropyl Acetate

Concen: 10.476 ug/l

RT: 6.43 min Scan# 910

Delta R.T. -0.00 min

Lab File: VX014567.D

Acq: 11 Jan 2020 03:59

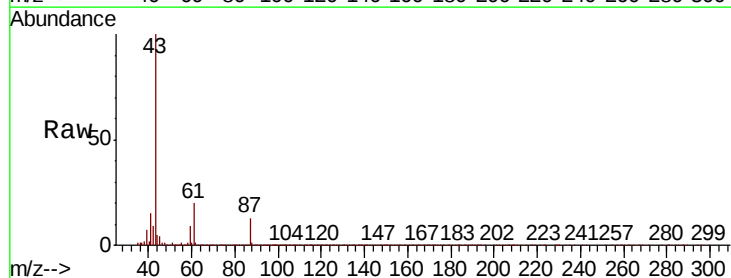
Tgt Ion: 43 Resp: 130225

Ion Ratio Lower Upper

43 100

61 19.0 16.6 24.8

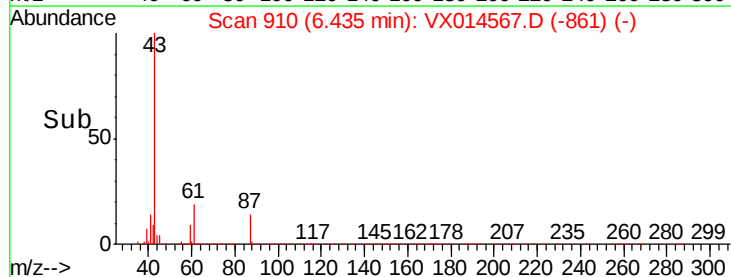
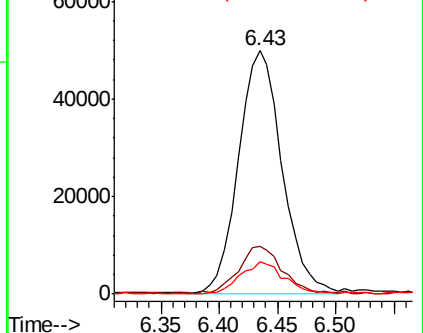
87 13.5 10.8 16.2

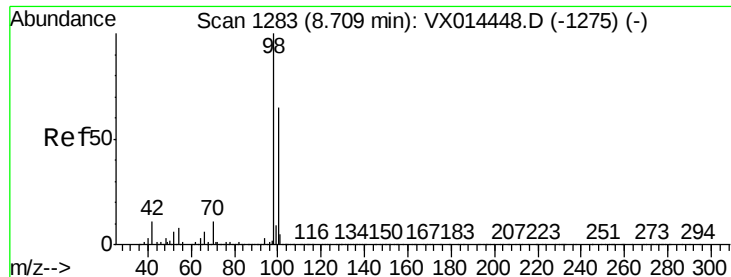


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 51.041 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX014567.D

Acq: 11 Jan 2020 03:59

Instrument :

MSVOA\_X

ClientSampleId :

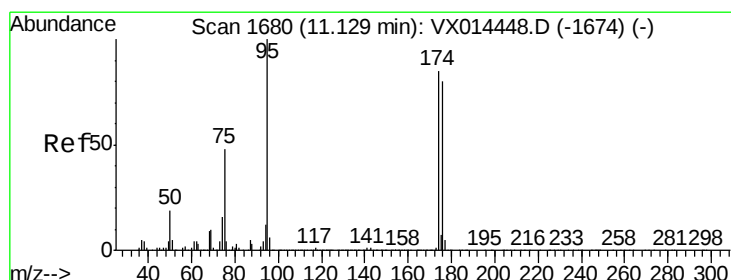
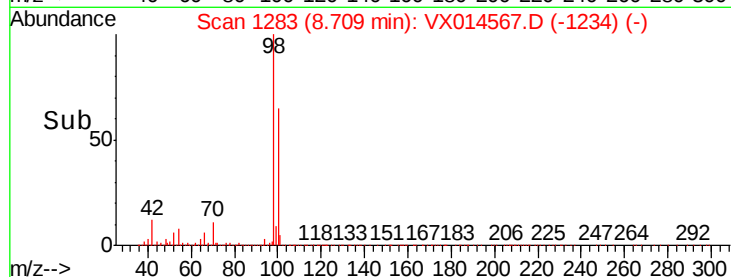
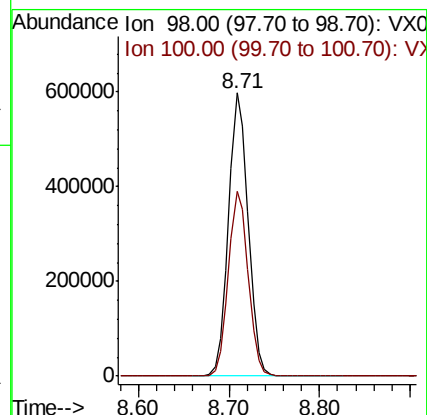
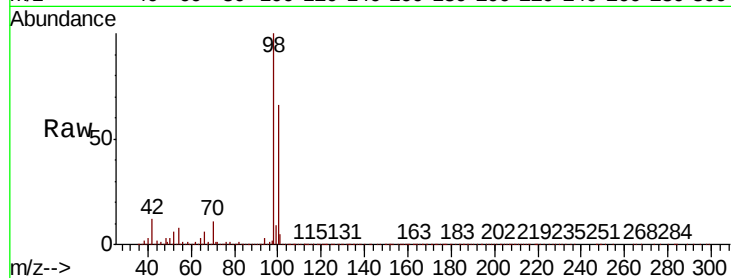
PB125993ZHE#13

Tot Ion: 98 Resp: 903291

Ion Ratio Lower Upper

98 100

100 65.6 53.2 79.8



#62

4-Bromofluorobenzene

Concen: 47.995 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX014567.D

Acq: 11 Jan 2020 03:59

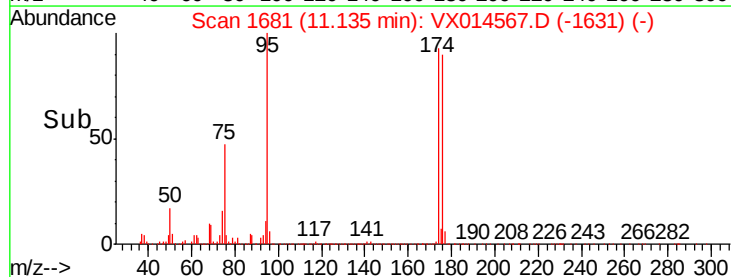
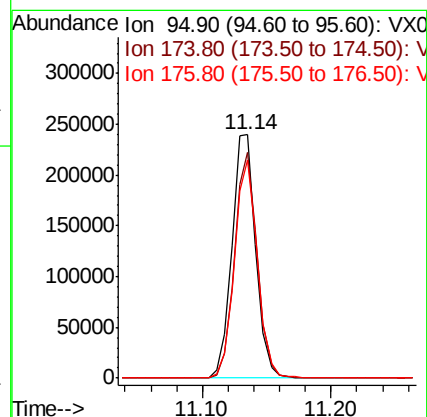
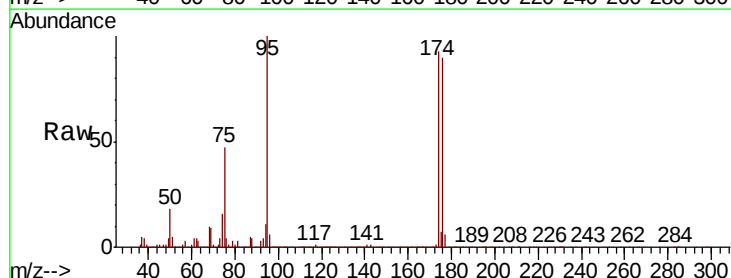
Tgt Ion: 95 Resp: 311820

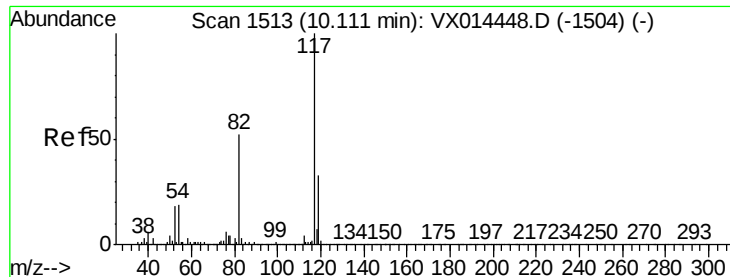
Ion Ratio Lower Upper

95 100

174 88.0 0.0 180.8

176 86.0 0.0 172.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX014567.D

Acq: 11 Jan 2020 03:59

Instrument :

MSVOA\_X

ClientSampleId :

PB125993ZHE#13

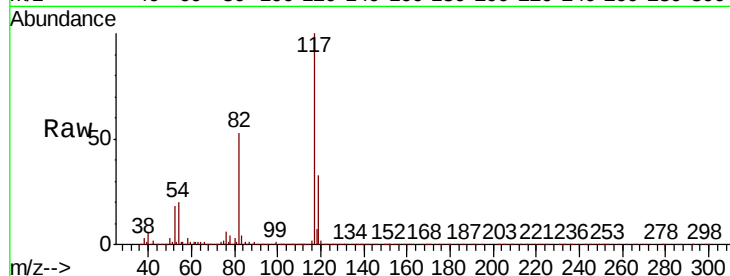
Tot Ion:117 Resp: 693277

Ion Ratio Lower Upper

117 100

82 53.4 41.8 62.6

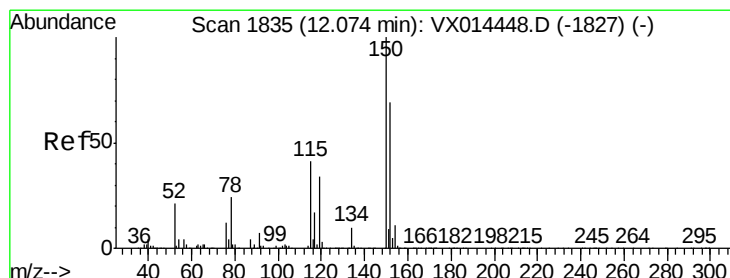
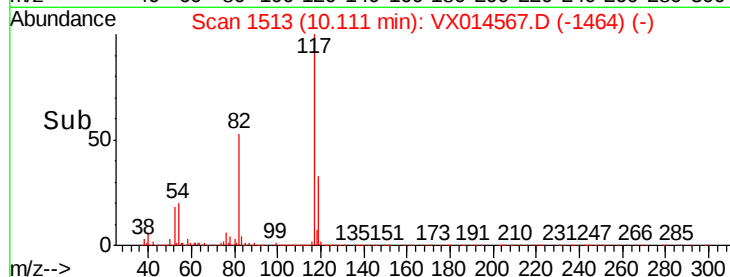
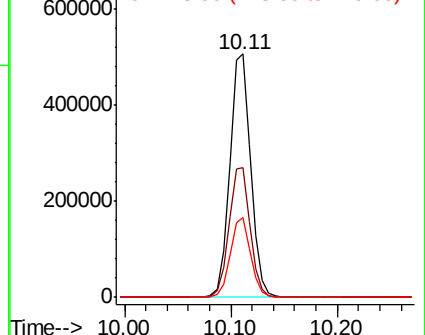
119 32.6 26.2 39.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX014567.D

Acq: 11 Jan 2020 03:59

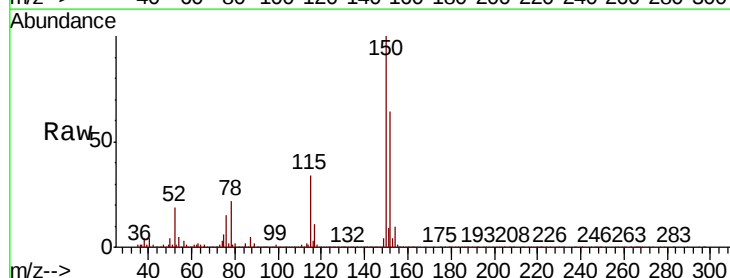
Tgt Ion:152 Resp: 312777

Ion Ratio Lower Upper

152 100

115 54.8 39.5 118.3

150 157.1 0.0 350.2



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

