

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\  
 Data File : VX012862.D  
 Acq On : 08 Oct 2019 01:43  
 Operator : JC/SP  
 Sample : K5232-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-056-MW02

Quant Time: Oct 08 13:02:25 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

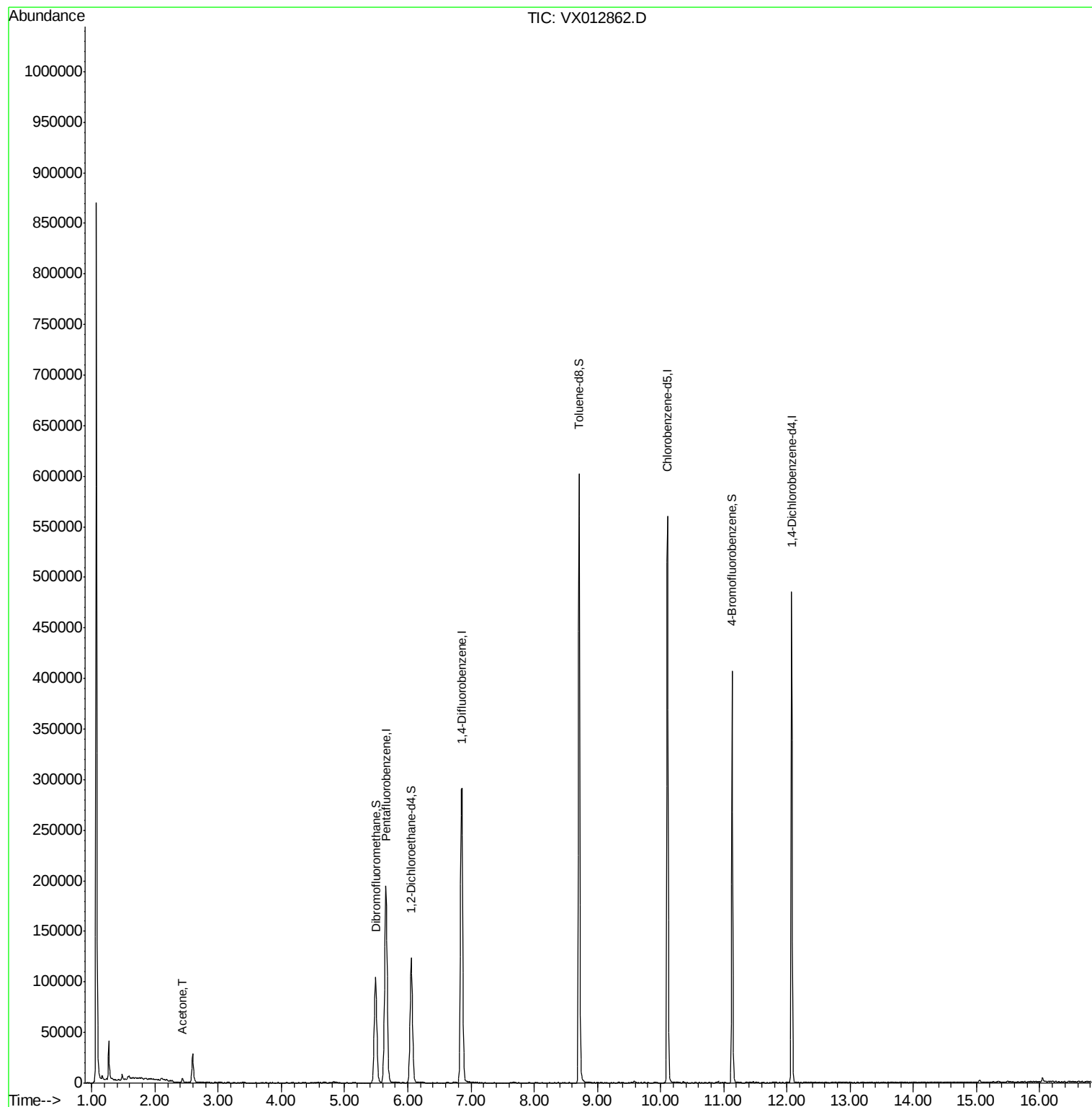
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 177544   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 300530   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 252748   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 92039    | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 117735   | 45.54 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.08%  |           |
| 35) Dibromofluoromethane    | 5.49  | 113  | 89917    | 50.24 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.48% |           |
| 50) Toluene-d8              | 8.71  | 98   | 354627   | 51.45 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.90% |           |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 118616   | 43.77 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 87.54%  |           |
| Target Compounds            |       |      |          |       |         |           |
| 16) Acetone                 | 2.43  | 43   | 4312     | 3.149 | ug/l    | Qvalue 95 |

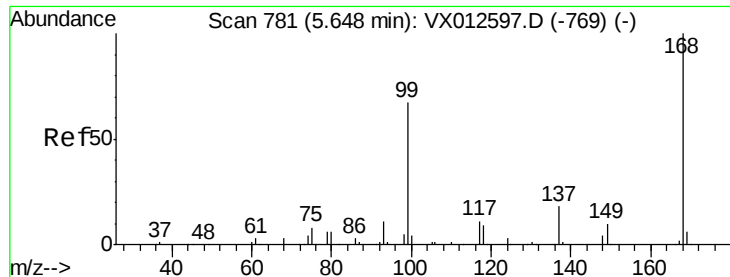
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

Instrument :

MSVOA\_X

ClientSampleId :

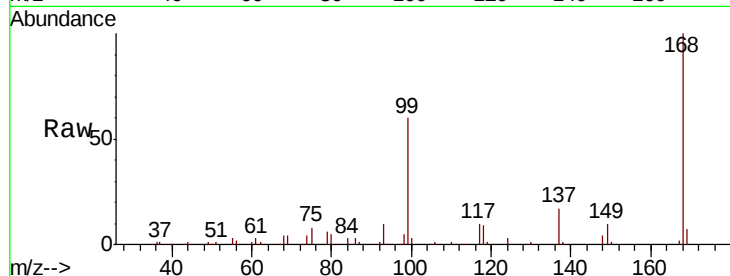
FA19-056-MW02

Tot Ion:168 Resp: 177544

Ion Ratio Lower Upper

168 100

99 60.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

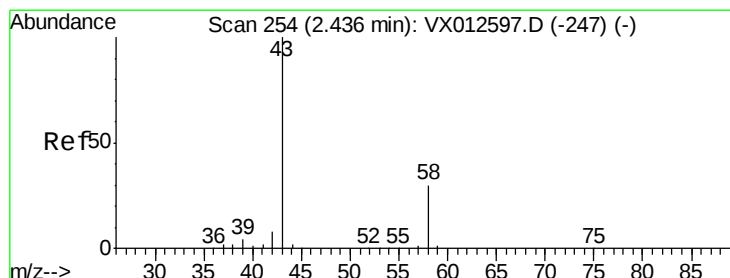
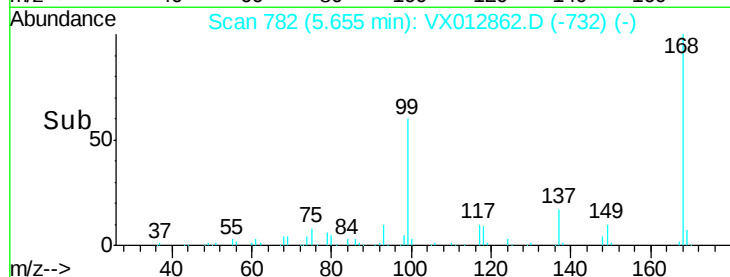
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 3.149 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012862.D

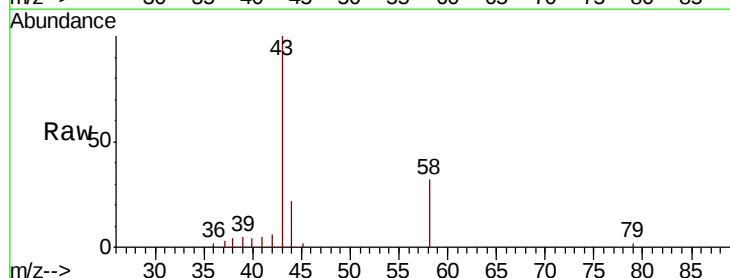
Acq: 08 Oct 2019 01:43

Tgt Ion: 43 Resp: 4312

Ion Ratio Lower Upper

43 100

58 32.0 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

2500

2000

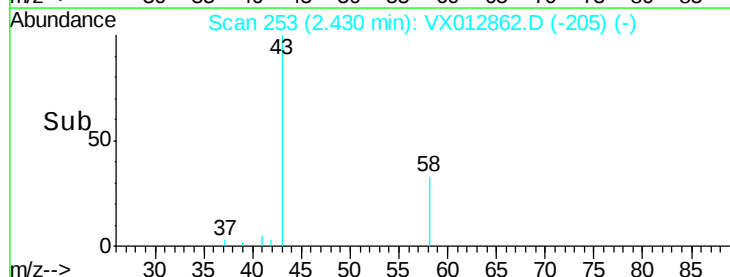
1500

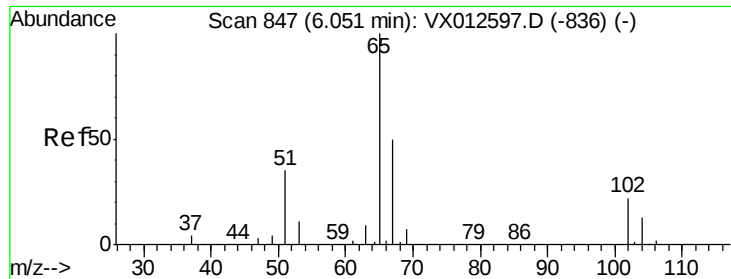
1000

500

0

Time--> 2.35 2.40 2.45 2.50

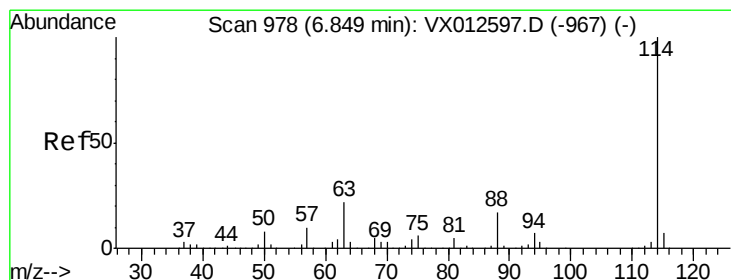
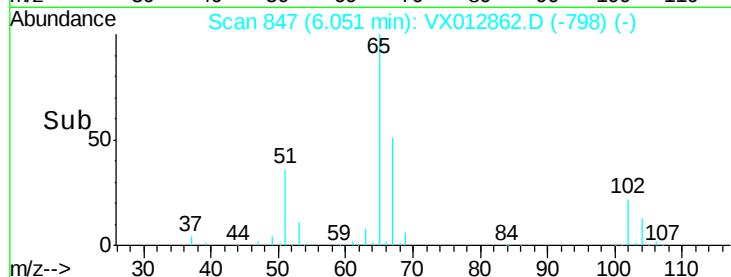
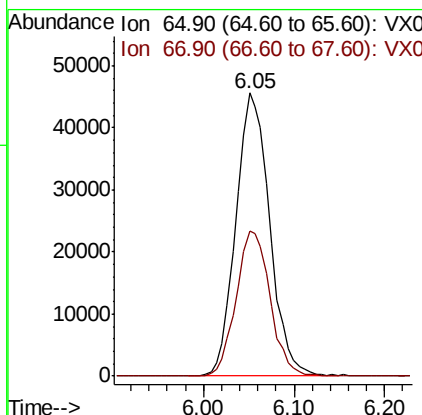
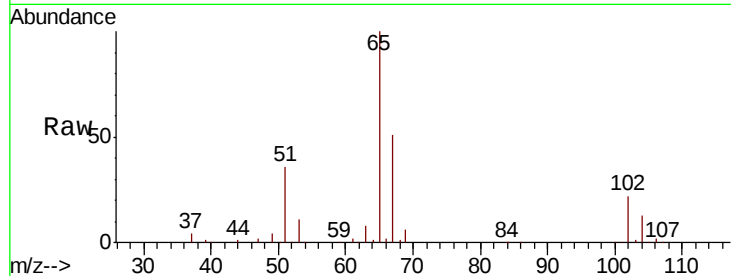




#33  
 1,2-Dichloroethane-d4  
 Concen: 45.539 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX012862.D  
 Acq: 08 Oct 2019 01:43

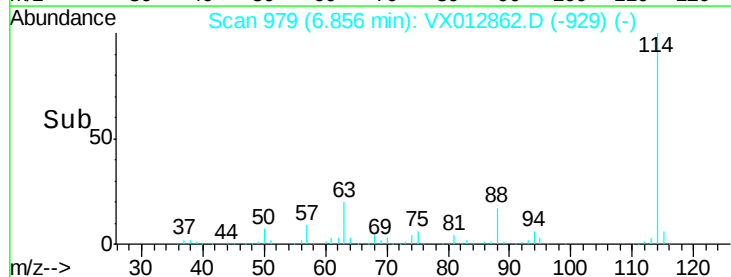
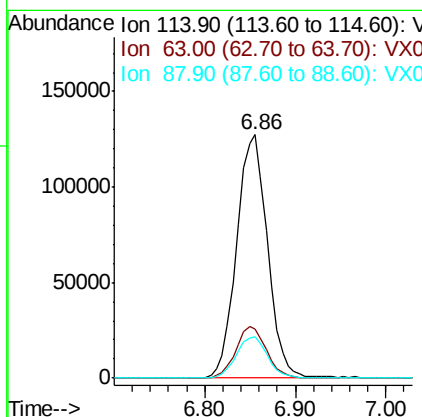
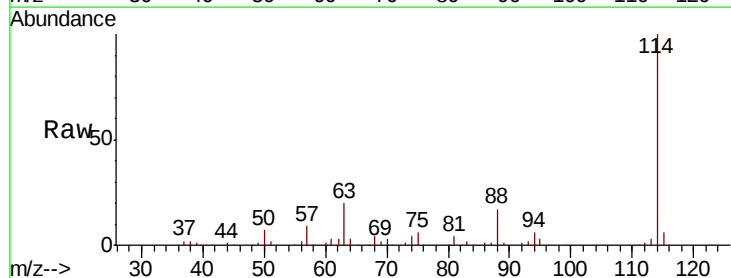
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FA19-056-MW02

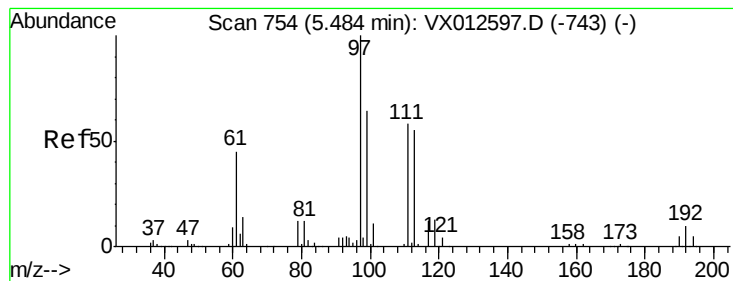
Tot Ion: 65 Resp: 117735  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 101.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 979  
 Delta R.T. 0.01 min  
 Lab File: VX012862.D  
 Acq: 08 Oct 2019 01:43

Tgt Ion: 114 Resp: 300530  
 Ion Ratio Lower Upper  
 114 100  
 63 20.1 0.0 43.2  
 88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 50.239 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

Instrument :

MSVOA\_X

ClientSampleId :

FA19-056-MW02

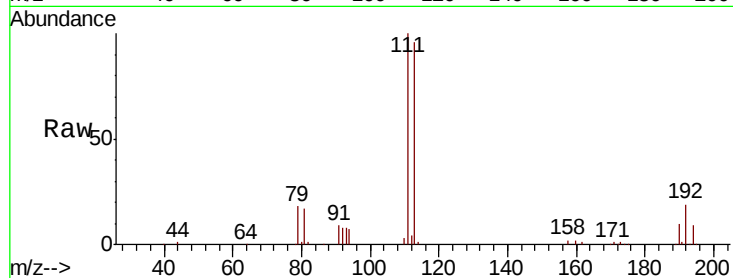
Tot Ion:113 Resp: 89917

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

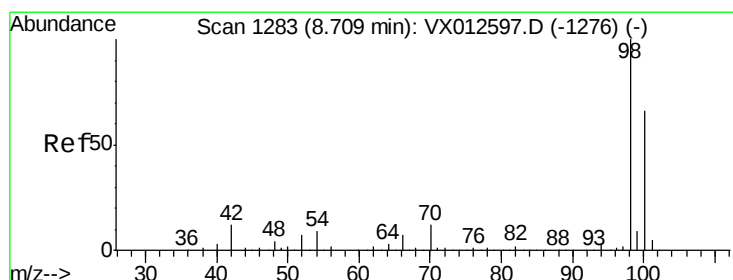
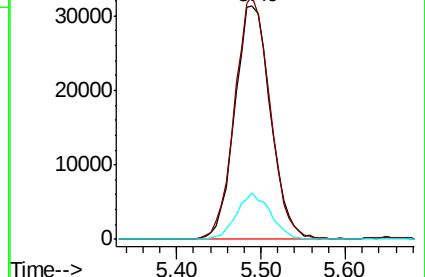
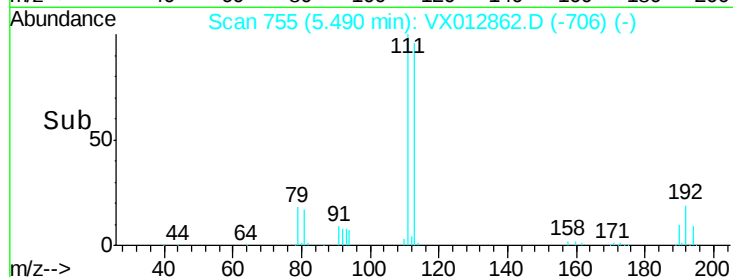
192 18.8 14.4 21.6



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



#50

Toluene-d8

Concen: 51.451 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012862.D

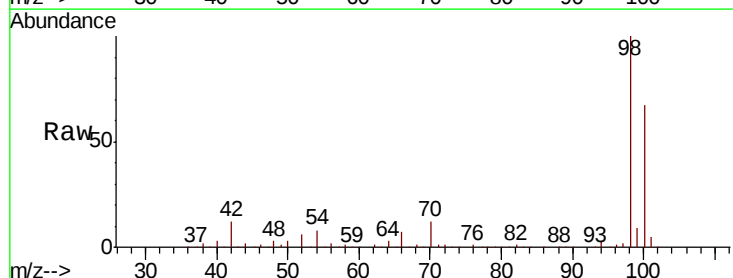
Acq: 08 Oct 2019 01:43

Tgt Ion: 98 Resp: 354627

Ion Ratio Lower Upper

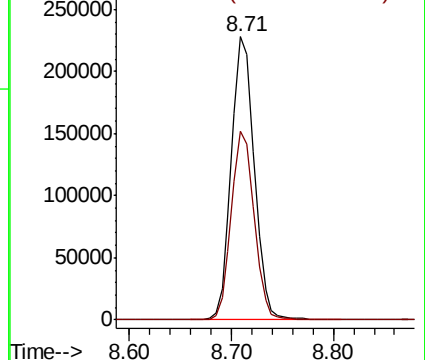
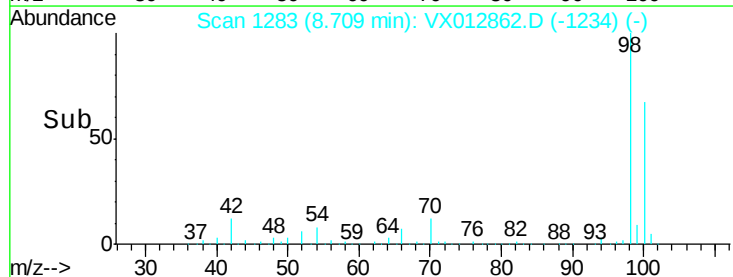
98 100

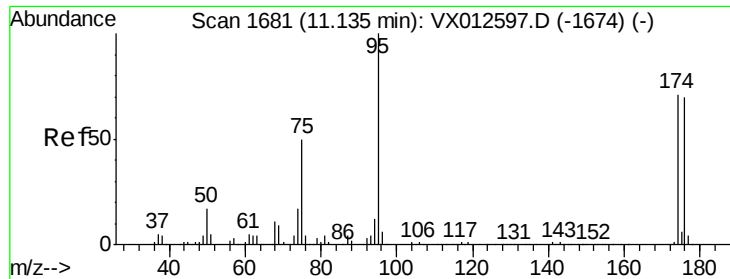
100 66.5 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

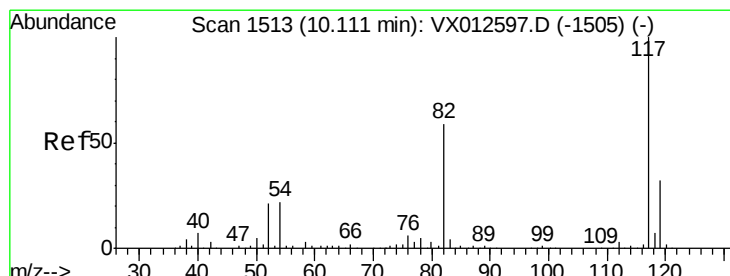
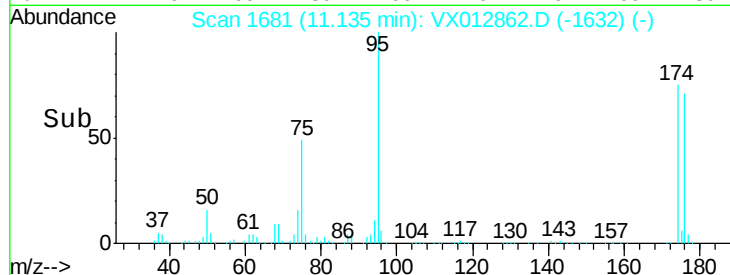
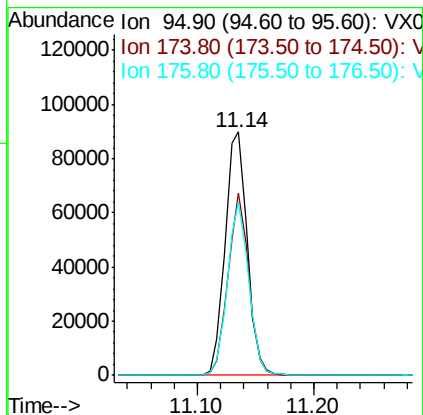
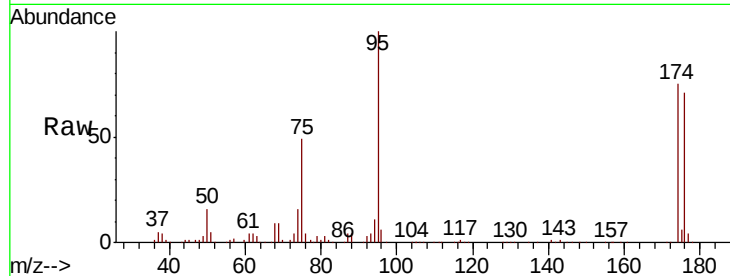




#62  
4-Bromofluorobenzene  
Concen: 43.767 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.00 min  
Lab File: VX012862.D  
Acq: 08 Oct 2019 01:43

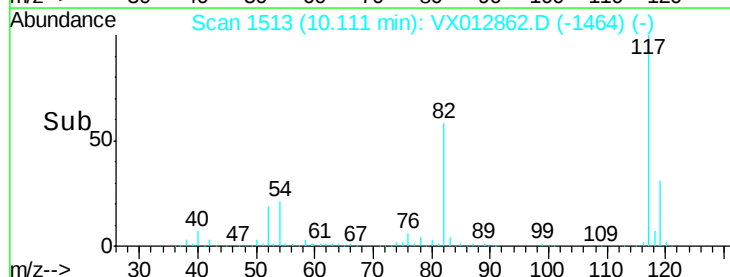
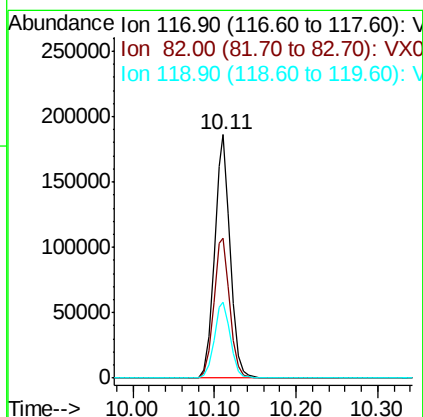
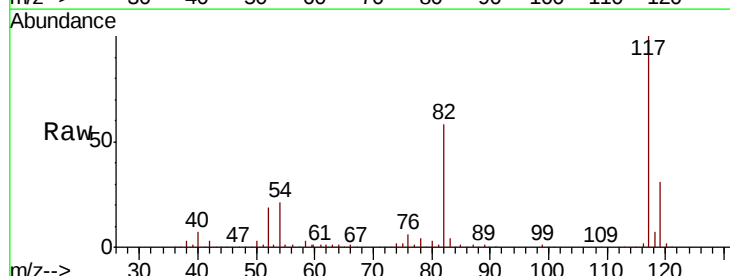
Instrument :  
MSVOA\_X  
ClientSampleId :  
FA19-056-MW02

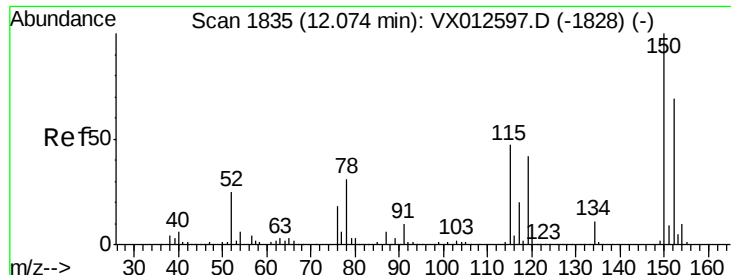
Tot Ion: 95 Resp: 118616  
Ion Ratio Lower Upper  
95 100  
174 70.2 0.0 140.0  
176 68.5 0.0 135.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX012862.D  
Acq: 08 Oct 2019 01:43

Tgt Ion: 117 Resp: 252748  
Ion Ratio Lower Upper  
117 100  
82 57.5 45.9 68.9  
119 31.3 25.3 37.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012862.D

Acq: 08 Oct 2019 01:43

Instrument :

MSVOA\_X

ClientSampleId :

FA19-056-MW02

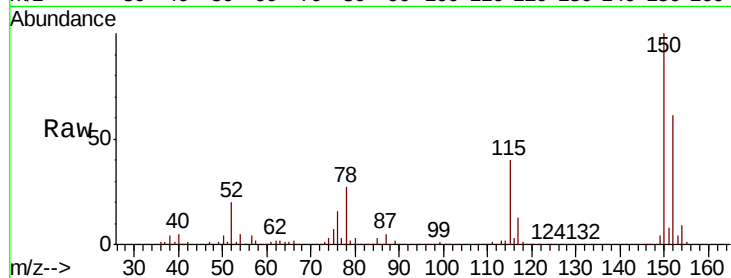
Tot Ion:152 Resp: 92039

Ion Ratio Lower Upper

152 100

115 64.8 44.1 132.3

150 159.8 0.0 343.8



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

