

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080719\  
 Data File : VX011367.D  
 Acq On : 07 Aug 2019 16:54  
 Operator : JC/SP  
 Sample : K4220-04  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB\_080619

Quant Time: Aug 08 07:41:28 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

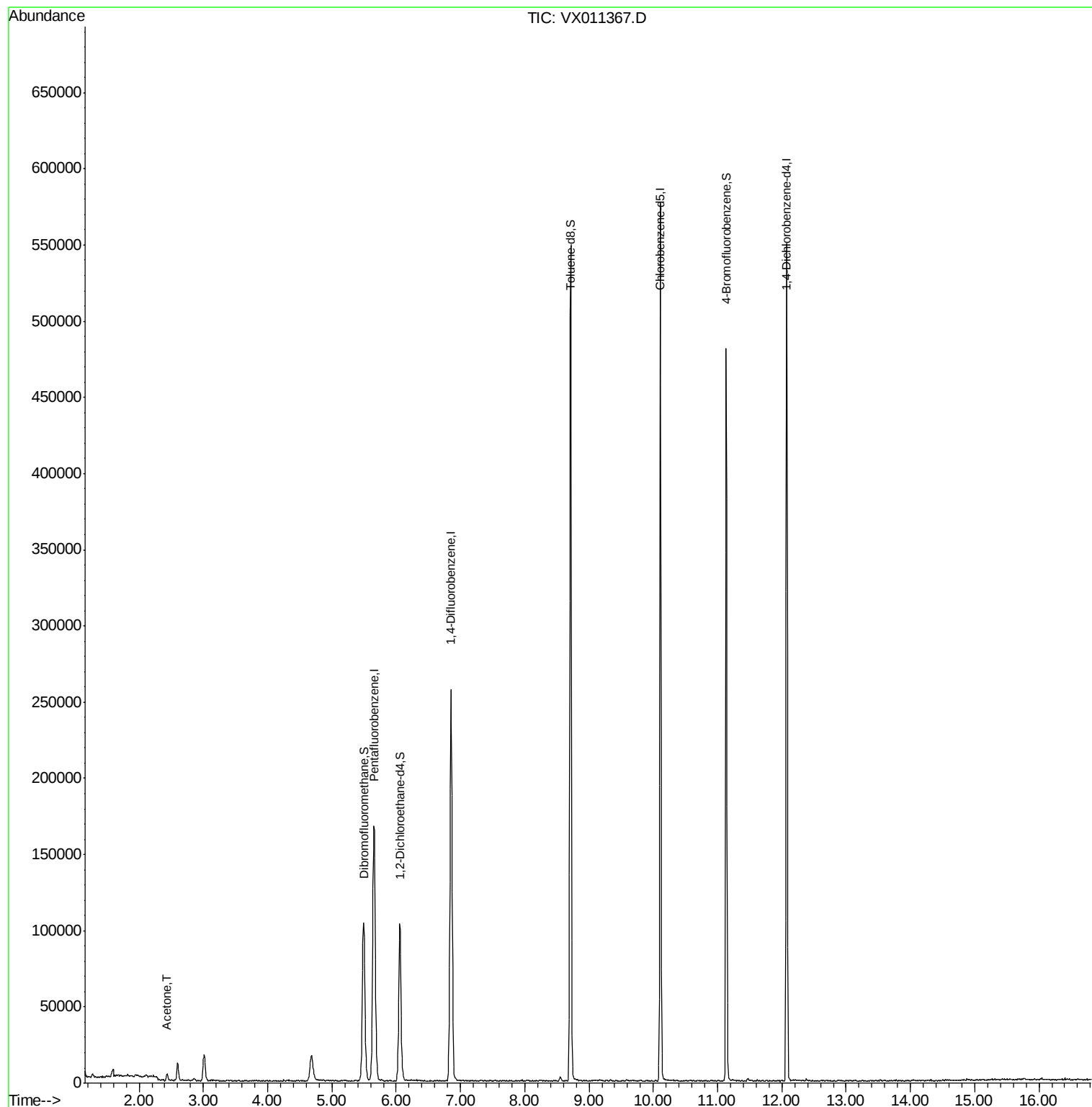
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 166812   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 268368   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 255716   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 118133   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 95892    | 57.08 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 114.16% |            |
| 35) Dibromofluoromethane    | 5.49  | 113  | 87585    | 49.99 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.98%  |            |
| 50) Toluene-d8              | 8.71  | 98   | 332233   | 50.23 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.46% |            |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 116449   | 49.32 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.64%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 16) Acetone                 | 2.43  | 43   | 4427     | 5.537 | ug/l    | Qvalue 100 |

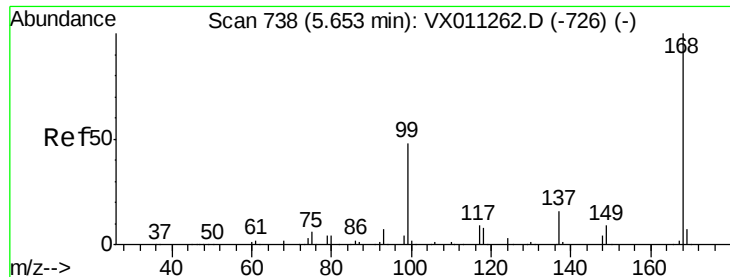
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 02 01:55:00 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. 0.00 min

Lab File: VX011367.D

Acq: 07 Aug 2019 16:54

Instrument :

MSVOA\_X

ClientSampleId :

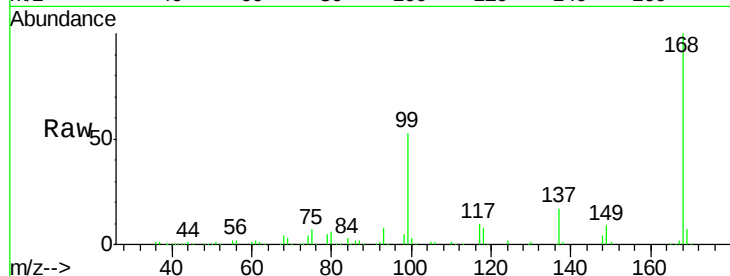
FB\_080619

Tot Ion:168 Resp: 166812

Ion Ratio Lower Upper

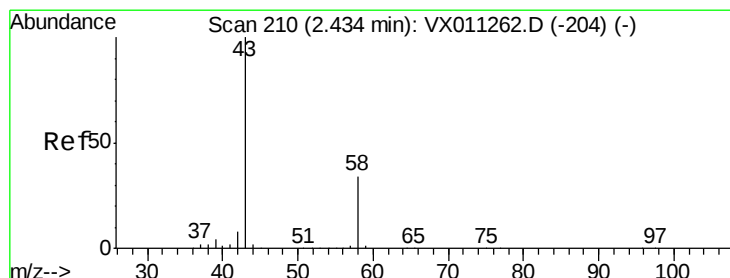
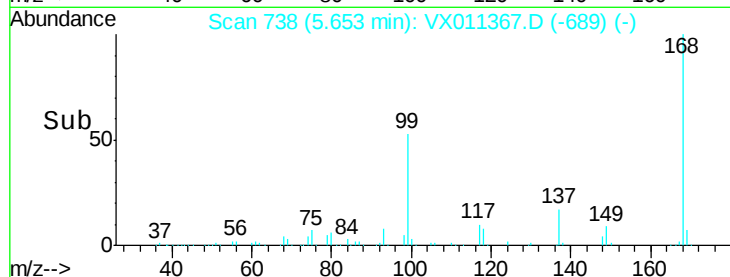
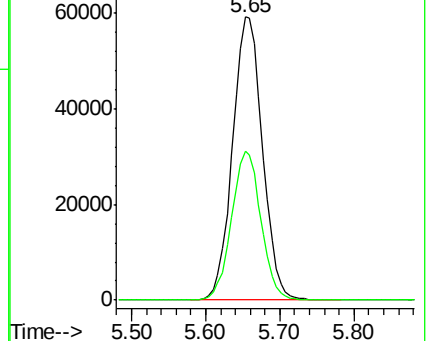
168 100

99 52.8 38.5 57.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 5.537 ug/l

RT: 2.43 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX011367.D

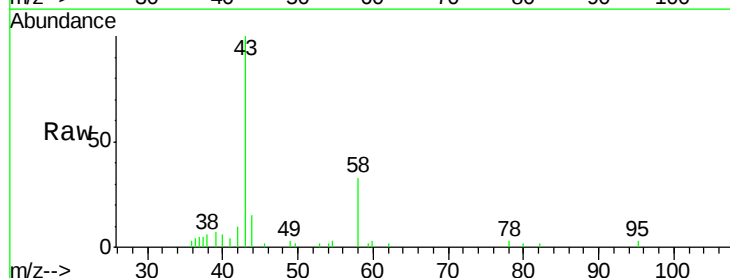
Acq: 07 Aug 2019 16:54

Tgt Ion: 43 Resp: 4427

Ion Ratio Lower Upper

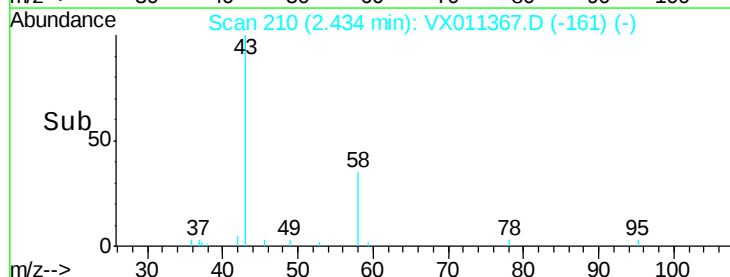
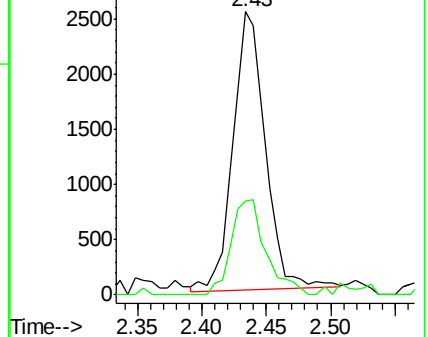
43 100

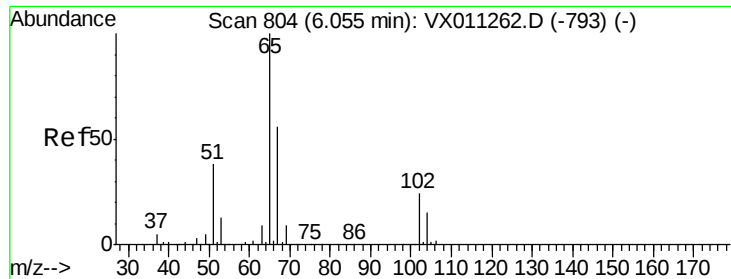
58 34.3 27.4 41.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

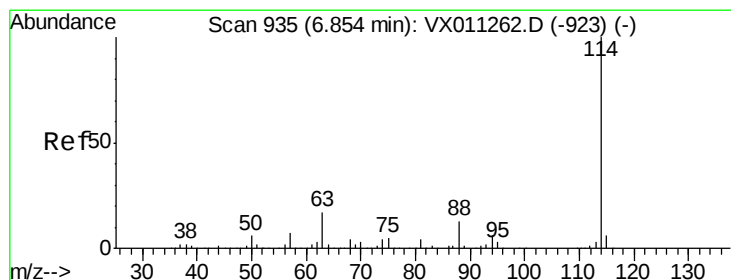
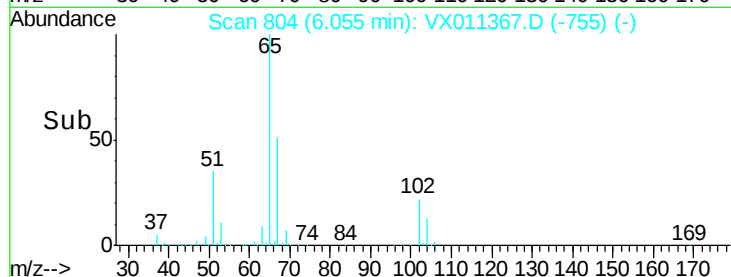
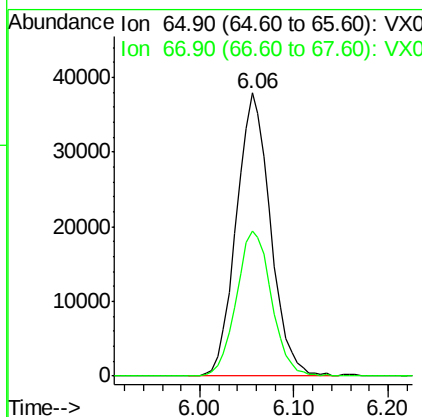
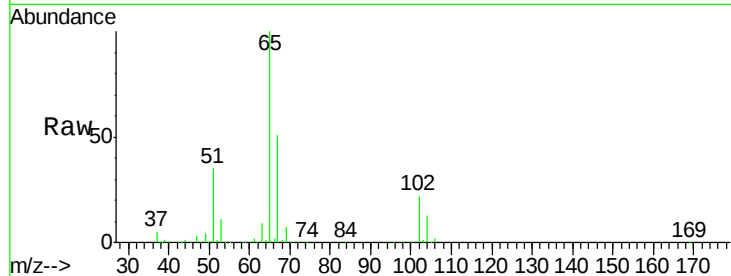




#33  
 1,2-Dichloroethane-d4  
 Concen: 57.082 ug/l  
 RT: 6.06 min Scan# 804  
 Delta R.T. 0.00 min  
 Lab File: VX011367.D  
 Acq: 07 Aug 2019 16:54

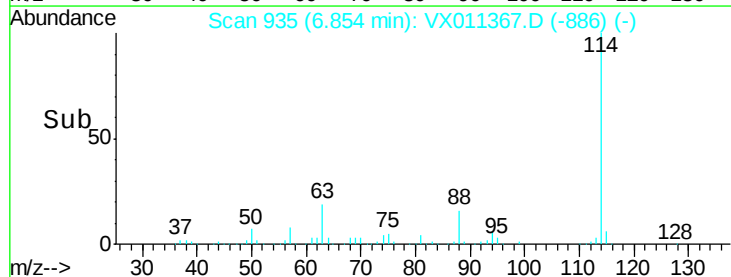
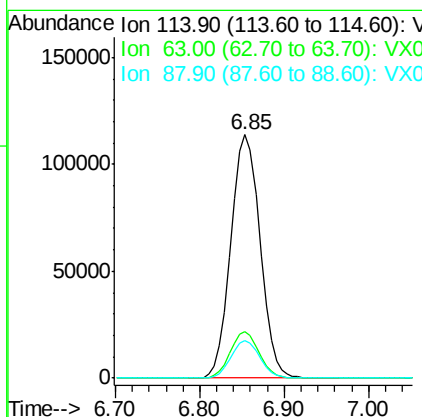
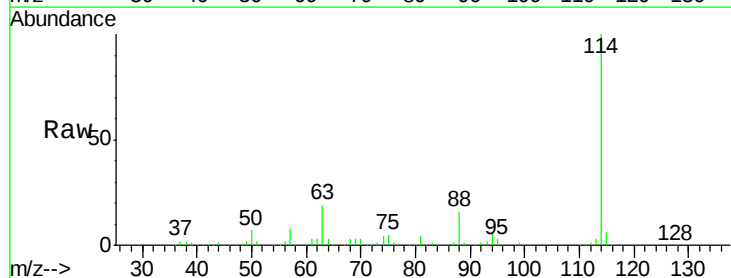
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB\_080619

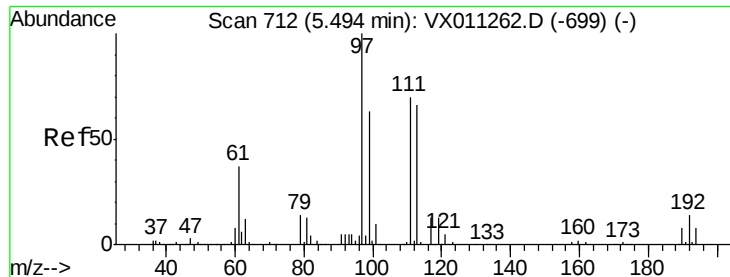
Tot Ion: 65 Resp: 95892  
 Ion Ratio Lower Upper  
 65 100  
 67 53.0 0.0 110.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX011367.D  
 Acq: 07 Aug 2019 16:54

Tgt Ion: 114 Resp: 268368  
 Ion Ratio Lower Upper  
 114 100  
 63 18.8 0.0 34.0  
 88 15.6 0.0 26.4





#35

Dibromofluoromethane

Concen: 49.988 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011367.D

Acq: 07 Aug 2019 16:54

Instrument :

MSVOA\_X

ClientSampleId :

FB\_080619

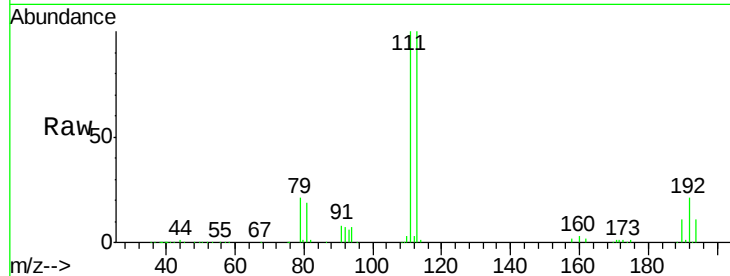
Tot Ion:113 Resp: 87585

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

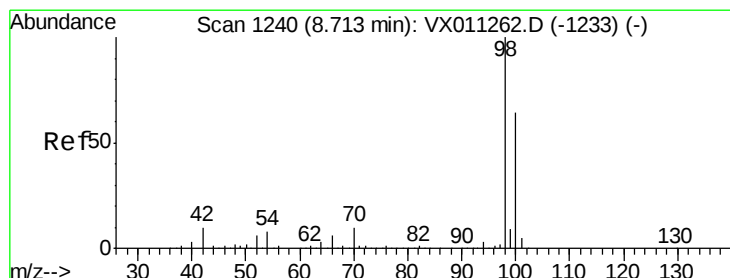
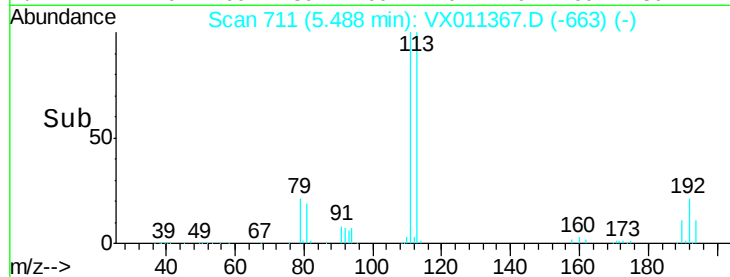
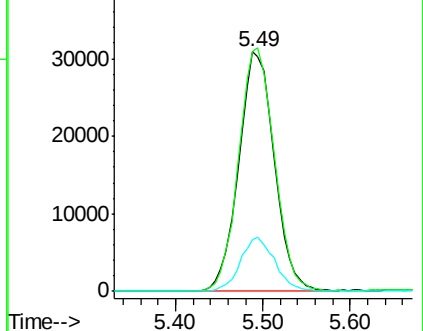
192 21.9 17.8 26.8



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



#50

Toluene-d8

Concen: 50.234 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011367.D

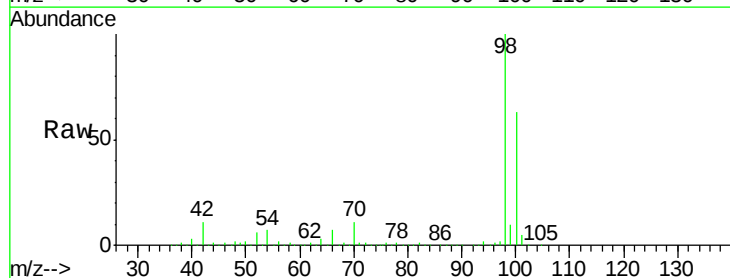
Acq: 07 Aug 2019 16:54

Tgt Ion: 98 Resp: 332233

Ion Ratio Lower Upper

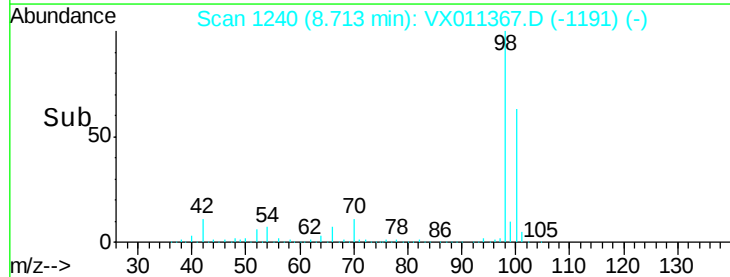
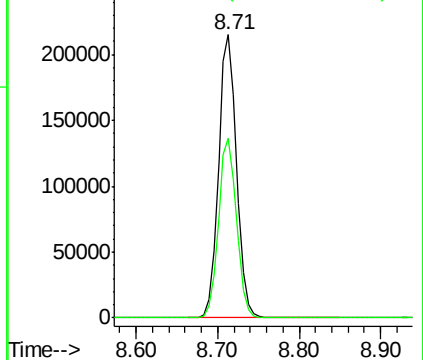
98 100

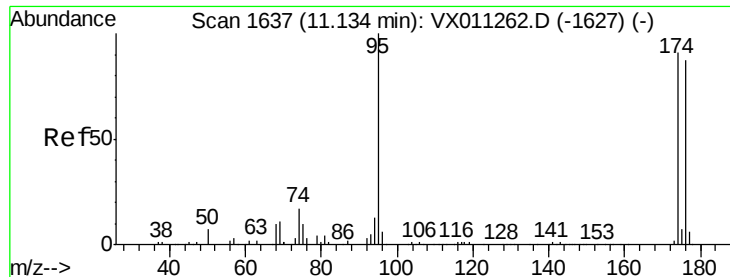
100 63.6 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

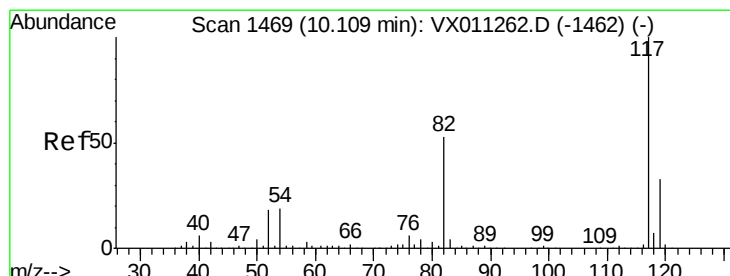
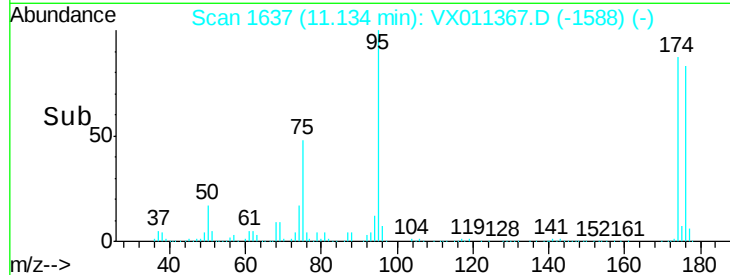
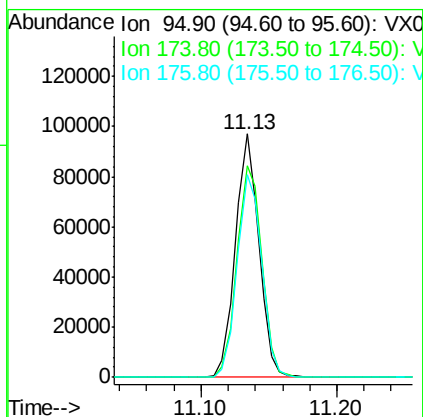
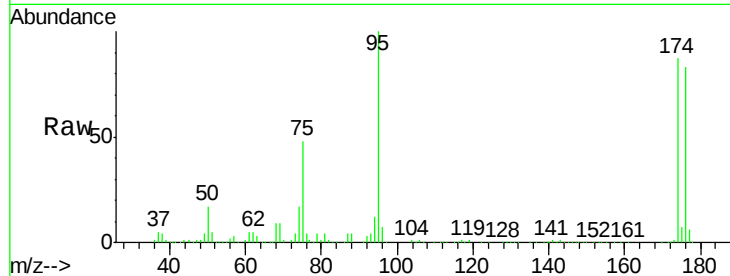




#62  
4-Bromofluorobenzene  
Concen: 49.316 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX011367.D  
Acq: 07 Aug 2019 16:54

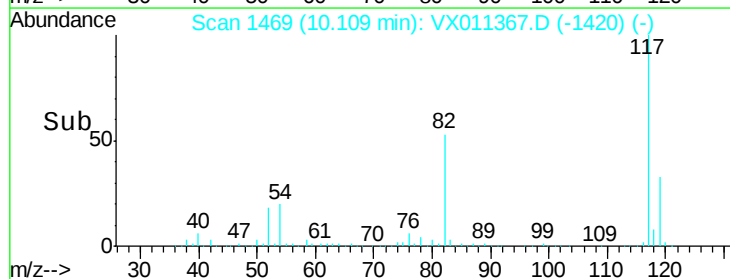
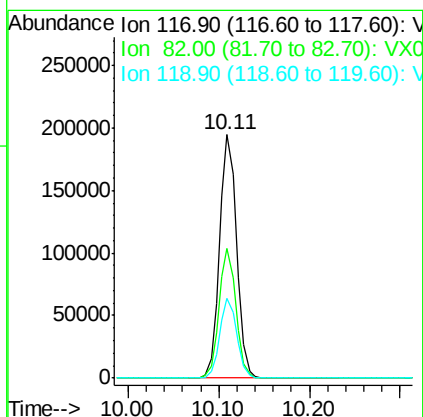
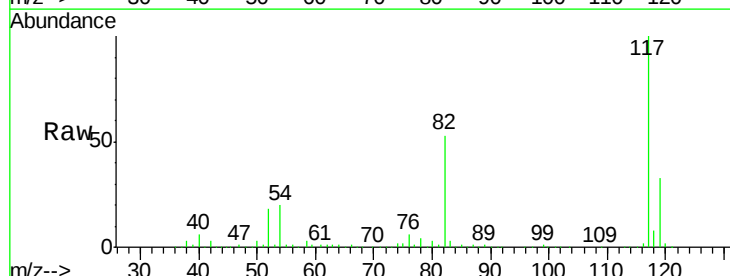
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB\_080619

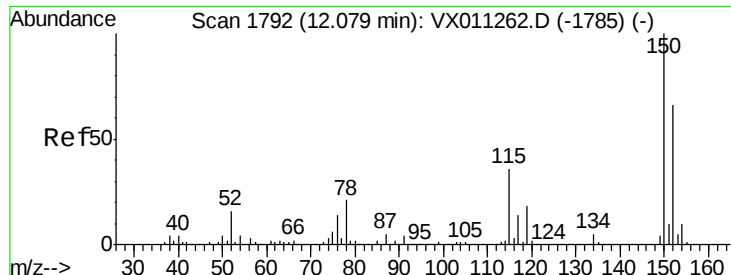
Tot Ion: 95 Resp: 116449  
Ion Ratio Lower Upper  
95 100  
174 92.4 0.0 191.2  
176 87.6 0.0 184.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX011367.D  
Acq: 07 Aug 2019 16:54

Tgt Ion: 117 Resp: 255716  
Ion Ratio Lower Upper  
117 100  
82 53.2 42.2 63.2  
119 32.8 26.6 39.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX011367.D

Acq: 07 Aug 2019 16:54

Instrument :

MSVOA\_X

ClientSampleId :

FB\_080619

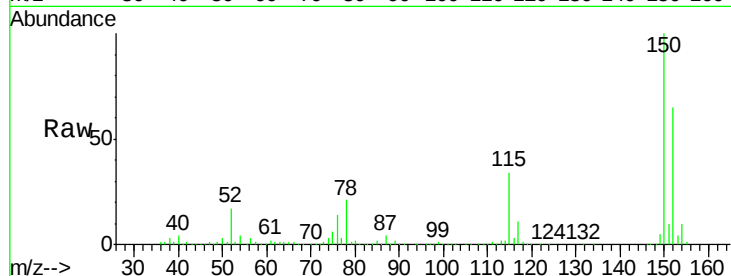
Tot Ion:152 Resp: 118133

Ion Ratio Lower Upper

152 100

115 55.9 40.0 119.9

150 156.5 0.0 350.4



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

