

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083119\  
 Data File : VX011958.D  
 Acq On : 31 Aug 2019 18:39  
 Operator : SY/SP  
 Sample : K4526-06  
 Misc : 4.91g/5.0mL/MSVOA X/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T9-12-13-F1-(0)

Quant Time: Sep 01 03:02:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082919S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 30 01:59:05 2019  
 Response via : Initial Calibration

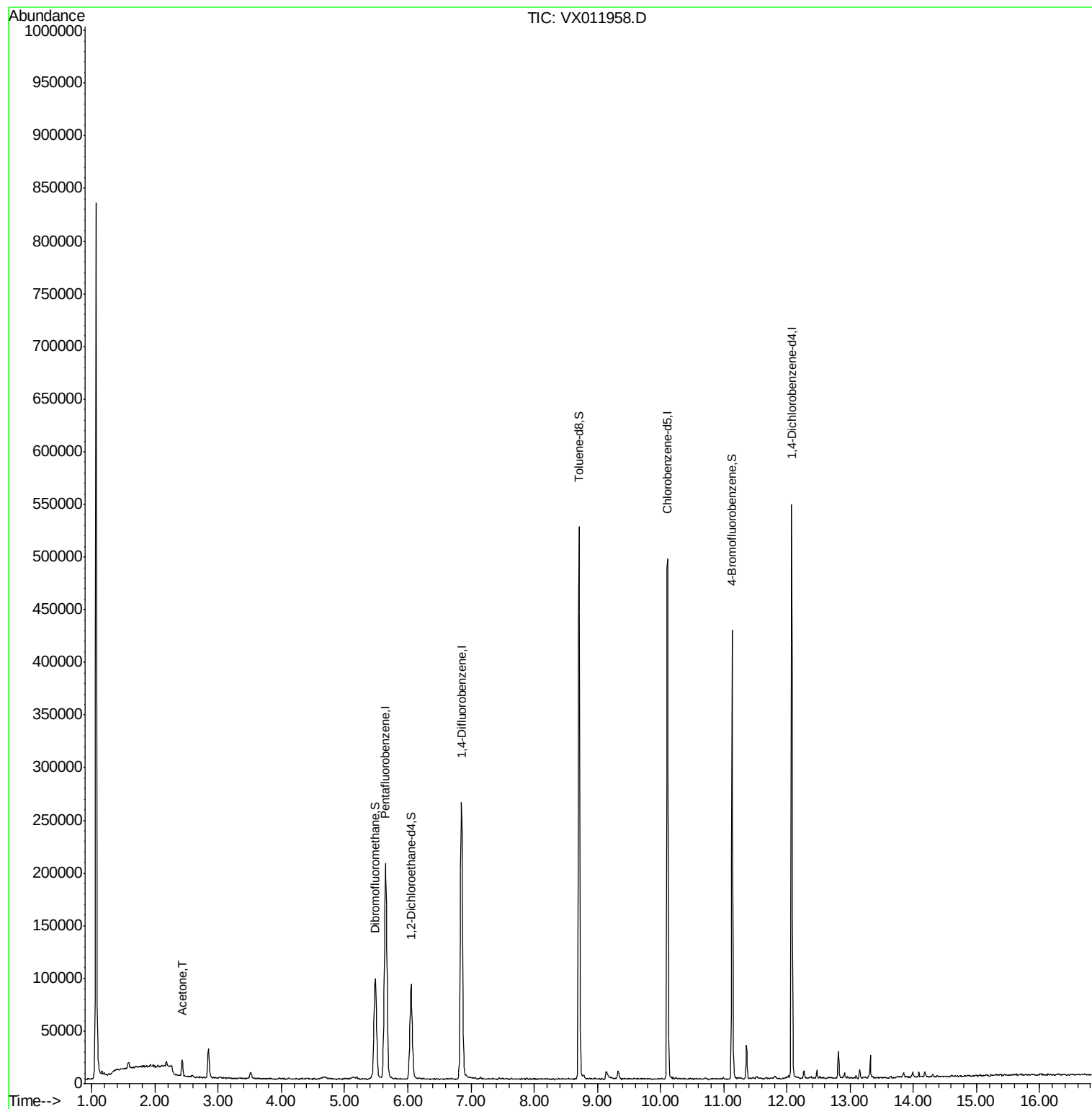
| Internal Standards          | R.T.   | QIon | Response | Conc   | Units  | Dev(Min)  |
|-----------------------------|--------|------|----------|--------|--------|-----------|
| 1) Pentafluorobenzene       | 5.65   | 168  | 215670   | 50.00  | ug/l   | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85   | 114  | 271495   | 50.00  | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.11  | 117  | 231716   | 50.00  | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.07  | 152  | 113744   | 50.00  | ug/l   | 0.00      |
| System Monitoring Compounds |        |      |          |        |        |           |
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65   | 85470    | 41.36  | ug/l   | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =      | 82.72% |           |
| 35) Dibromofluoromethane    | 5.48   | 113  | 78828    | 45.28  | ug/l   | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =      | 90.56% |           |
| 50) Toluene-d8              | 8.71   | 98   | 306667   | 49.28  | ug/l   | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =      | 98.56% |           |
| 62) 4-Bromofluorobenzene    | 11.13  | 95   | 106134   | 38.88  | ug/l   | 0.00      |
| Spiked Amount               | 50.000 |      | Recovery | =      | 77.76% |           |
| Target Compounds            |        |      |          |        |        |           |
| 16) Acetone                 | 2.43   | 43   | 17282    | 38.872 | ug/l   | Qvalue 97 |

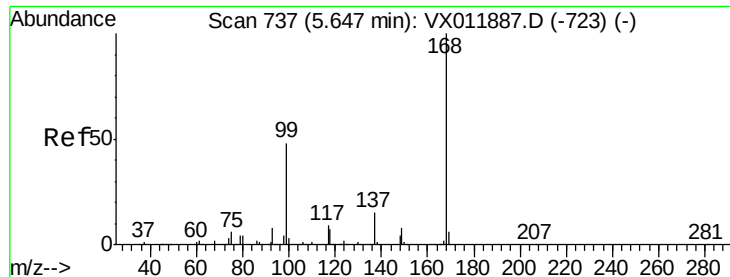
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Aug 30 01:59:05 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

Instrument :

MSVOA\_X

ClientSampleId :

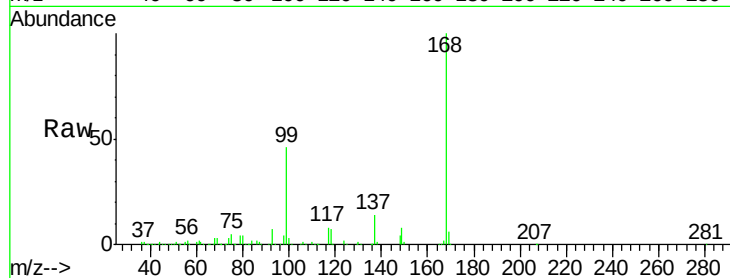
T9-12-13-F1-(0)

Tot Ion:168 Resp: 215670

Ion Ratio Lower Upper

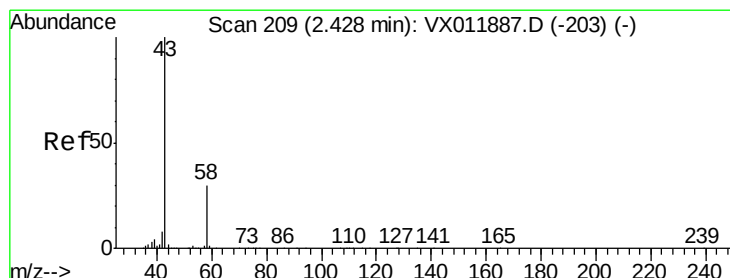
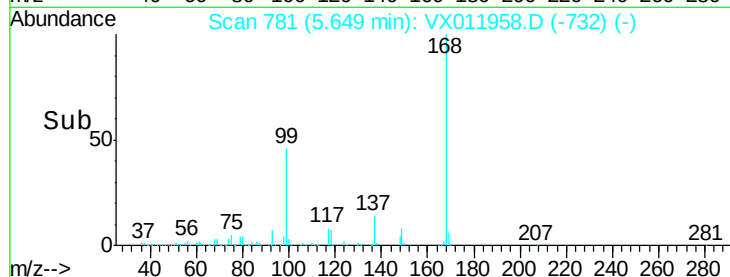
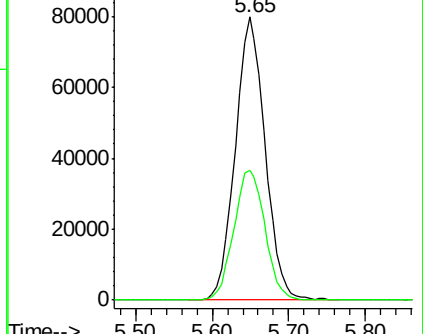
168 100

99 45.8 38.4 57.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 38.872 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX011958.D

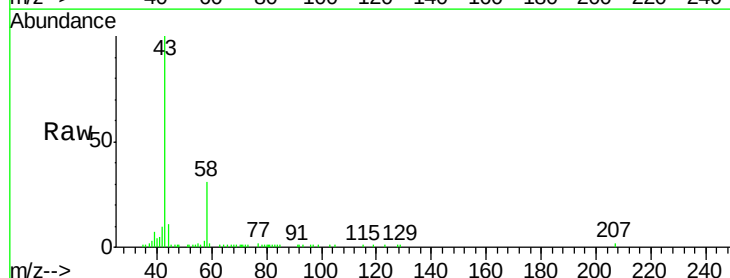
Acq: 31 Aug 2019 18:39

Tgt Ion: 43 Resp: 17282

Ion Ratio Lower Upper

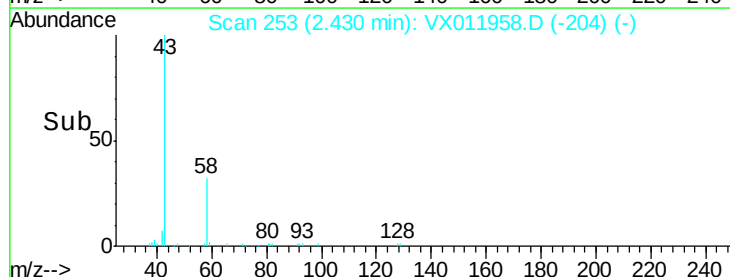
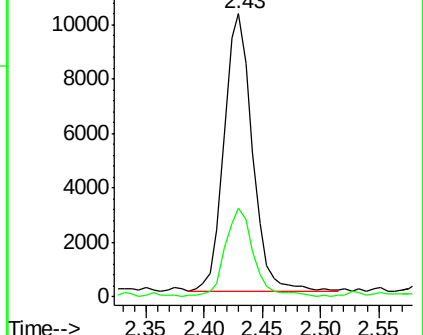
43 100

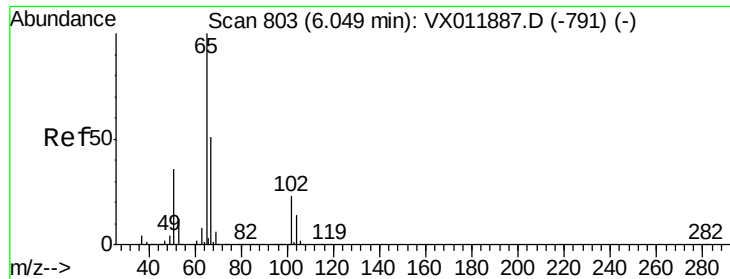
58 31.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

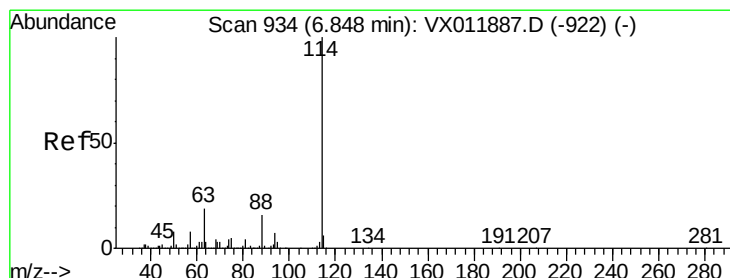
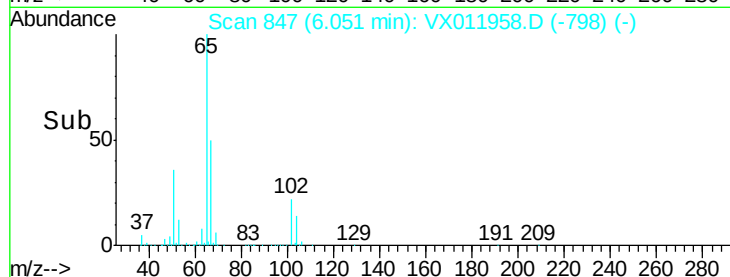
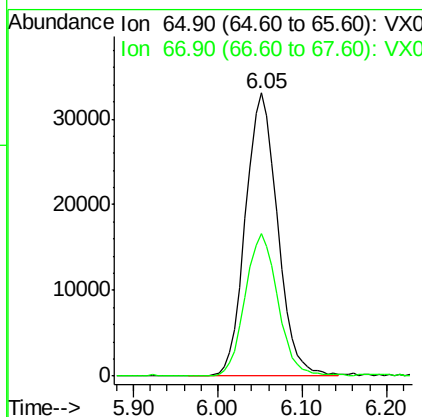
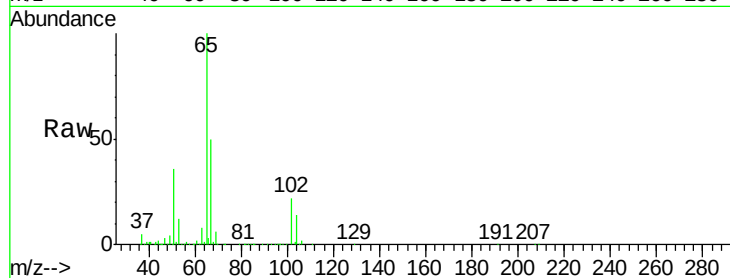




#33  
 1,2-Dichloroethane-d4  
 Concen: 41.363 ug/l  
 RT: 6.05 min Scan# 847  
 Delta R.T. 0.00 min  
 Lab File: VX011958.D  
 Acq: 31 Aug 2019 18:39

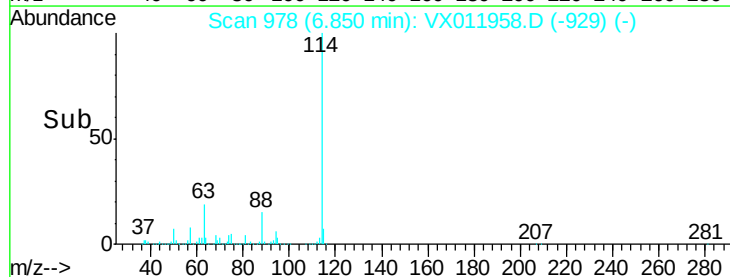
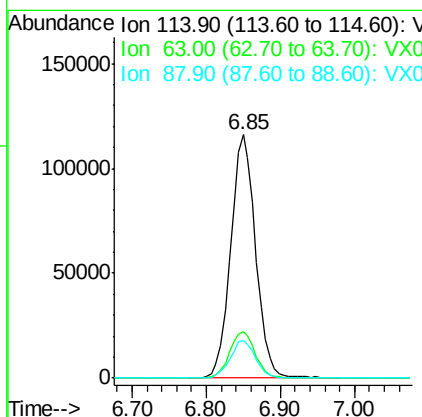
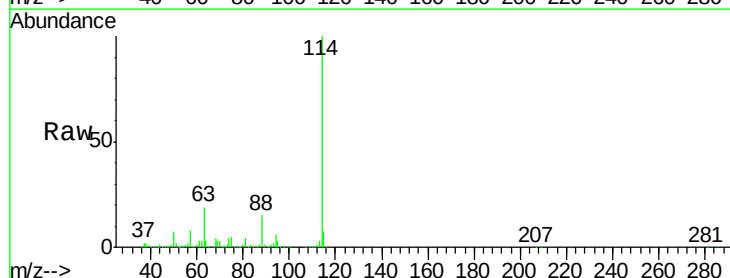
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 T9-12-13-F1-(0)

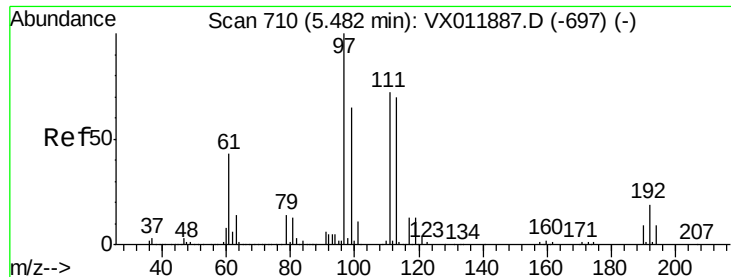
Tot Ion: 65 Resp: 85470  
 Ion Ratio Lower Upper  
 65 100  
 67 50.7 0.0 102.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX011958.D  
 Acq: 31 Aug 2019 18:39

Tgt Ion: 114 Resp: 271495  
 Ion Ratio Lower Upper  
 114 100  
 63 19.0 0.0 38.8  
 88 15.2 0.0 31.2





#35

Dibromofluoromethane

Concen: 45.279 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

Instrument :

MSVOA\_X

ClientSampleId :

T9-12-13-F1-(0)

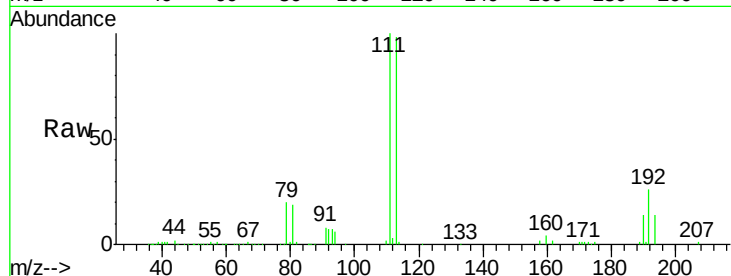
Tot Ion:113 Resp: 78828

Ion Ratio Lower Upper

113 100

111 102.6 82.1 123.1

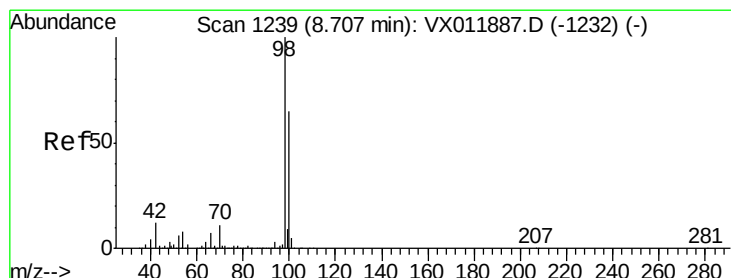
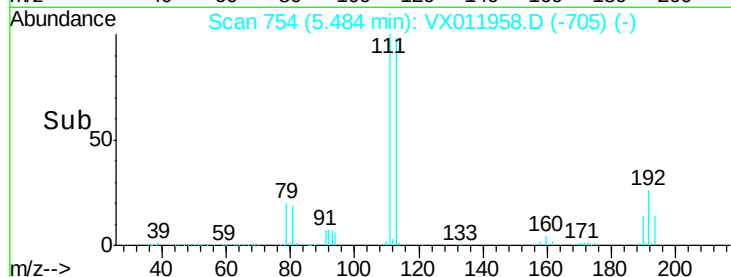
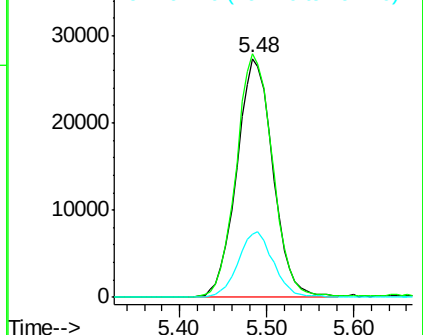
192 26.7 21.5 32.3



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: 49.277 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX011958.D

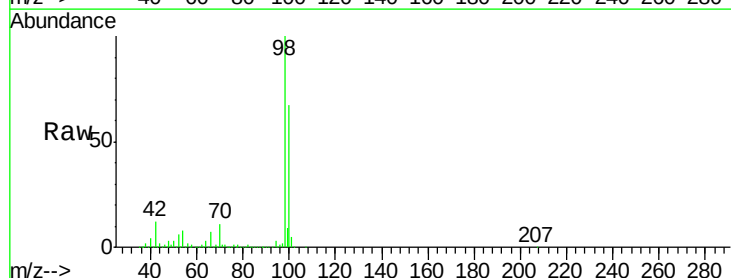
Acq: 31 Aug 2019 18:39

Tgt Ion: 98 Resp: 306667

Ion Ratio Lower Upper

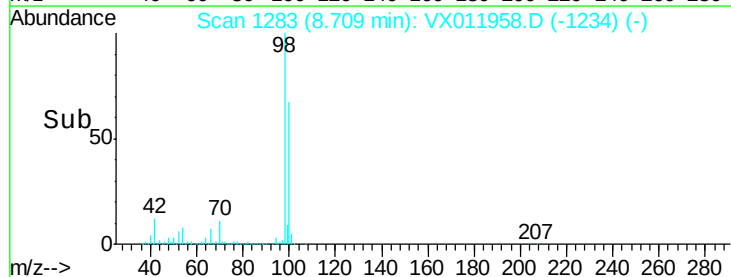
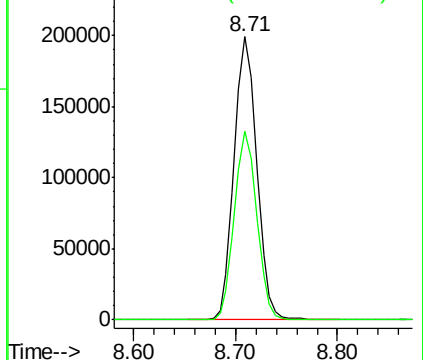
98 100

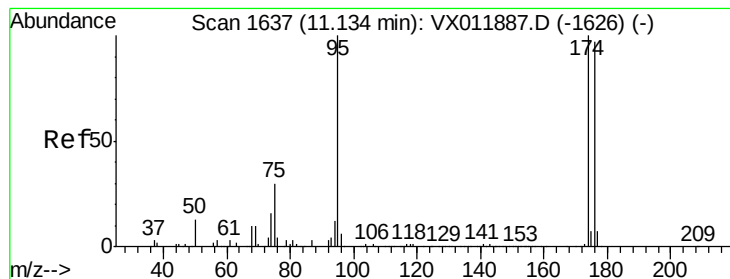
100 66.0 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 38.878 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

Instrument :

MSVOA\_X

ClientSampleId :

T9-12-13-F1-(0)

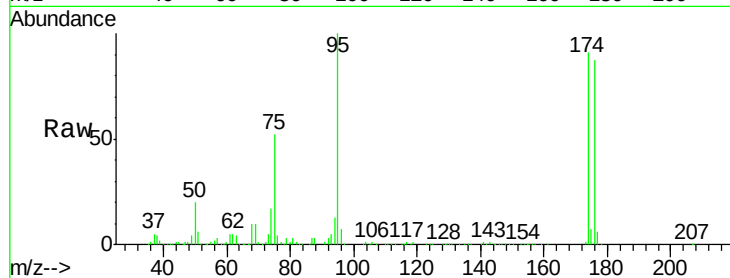
Tot Ion: 95 Resp: 106134

Ion Ratio Lower Upper

95 100

174 100.0 0.0 196.0

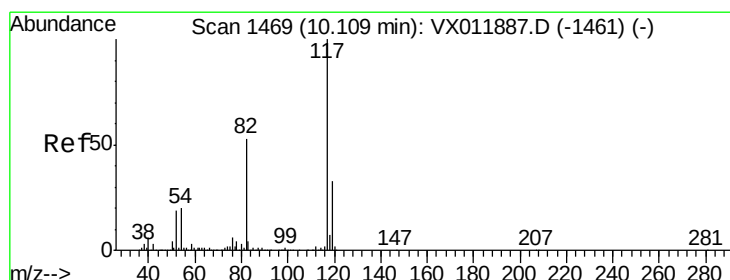
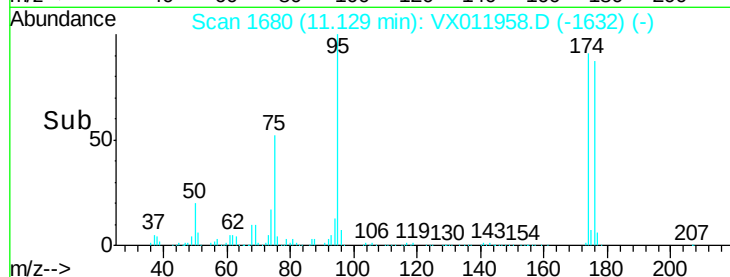
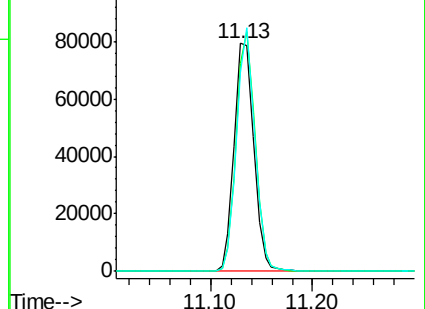
176 98.0 0.0 191.4



Abundance Ion 94.90 (94.60 to 95.60): VX011887.D (-1626) (-)

Ion 173.80 (173.50 to 174.50): VX011887.D (-1626) (-)

Ion 175.80 (175.50 to 176.50): VX011887.D (-1626) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

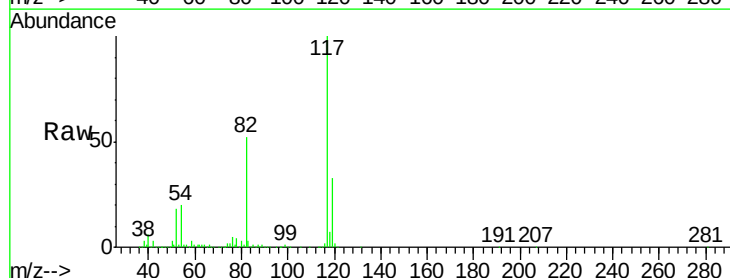
Tgt Ion: 117 Resp: 231716

Ion Ratio Lower Upper

117 100

82 52.3 42.0 63.0

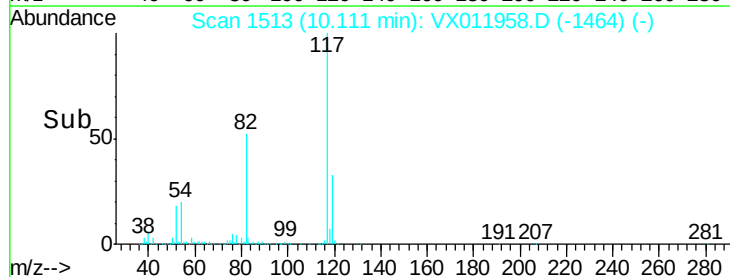
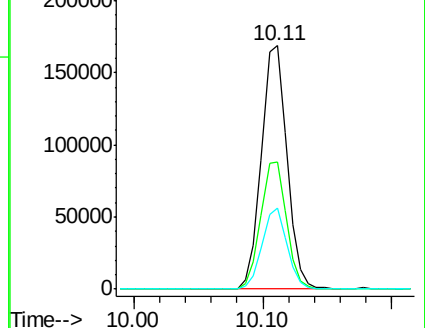
119 33.3 26.2 39.4

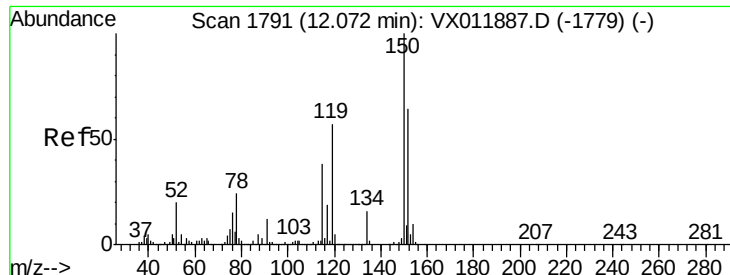


Abundance Ion 116.90 (116.60 to 117.60): VX011887.D (-1461) (-)

Ion 82.00 (81.70 to 82.70): VX011887.D (-1461) (-)

Ion 118.90 (118.60 to 119.60): VX011887.D (-1461) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX011958.D

Acq: 31 Aug 2019 18:39

Instrument :

MSVOA\_X

ClientSampleId :

T9-12-13-F1-(0)

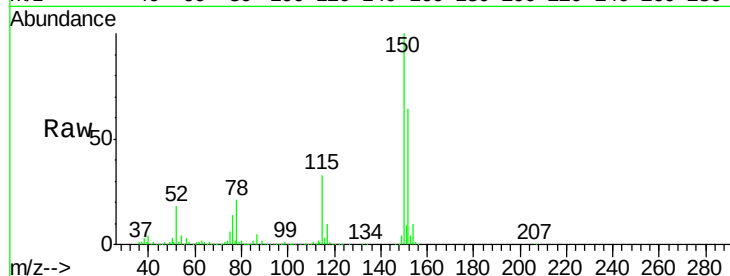
Tot Ion:152 Resp: 113744

Ion Ratio Lower Upper

152 100

115 52.7 37.1 111.3

150 157.8 0.0 339.6



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

