

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX082820\  
 Data File : VX018131.D  
 Acq On : 28 Aug 2020 19:20  
 Operator : JC/SP  
 Sample : L3831-08  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MH-140B-20200827

Quant Time: Aug 29 04:25:52 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 2020  
 Response via : Initial Calibration

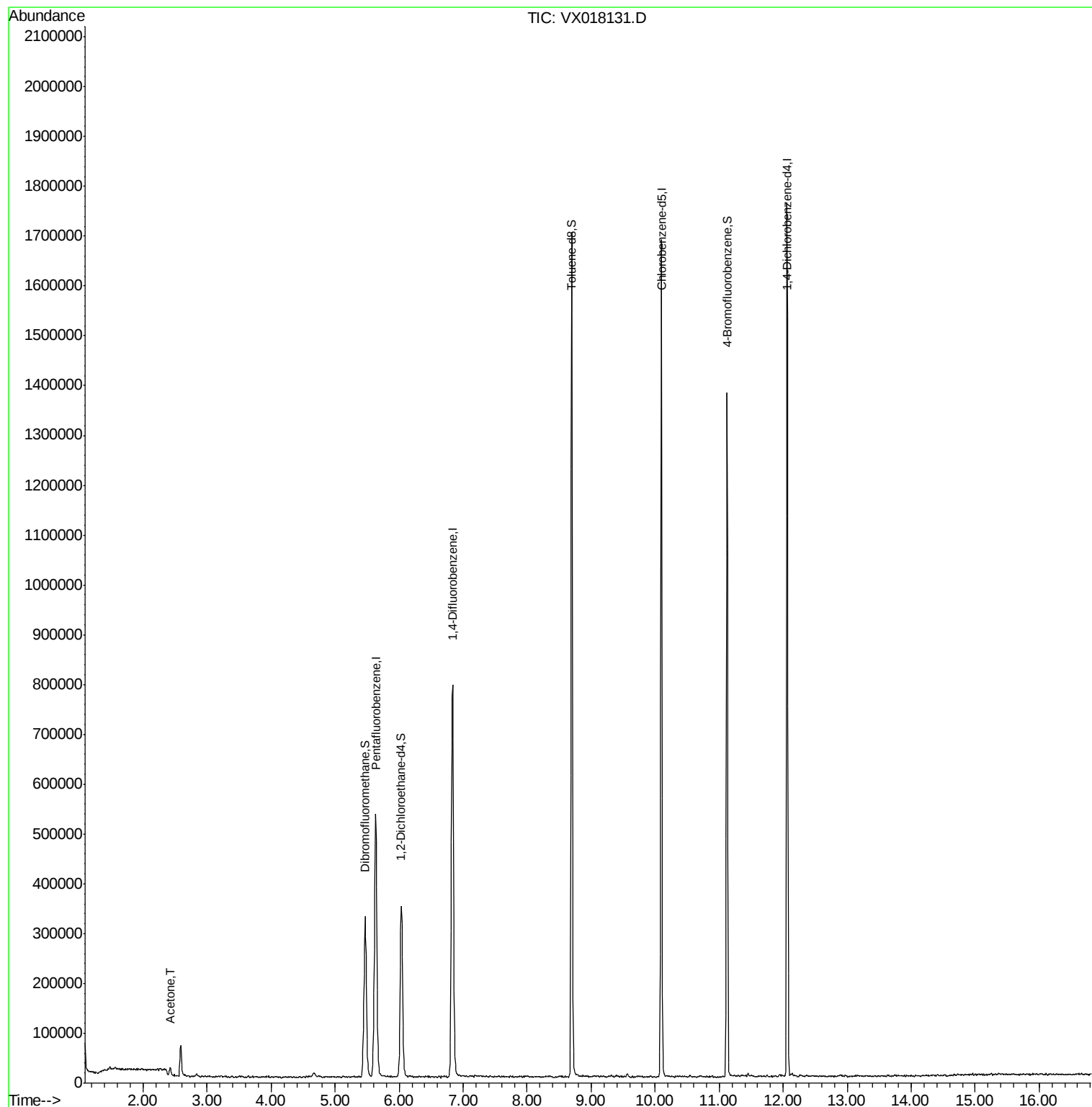
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)   |
|-----------------------------|-------|------|----------|-------|---------|------------|
| 1) Pentafluorobenzene       | 5.63  | 168  | 486647   | 50.00 | ug/l    | 0.00       |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 792036   | 50.00 | ug/l    | 0.00       |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 755510   | 50.00 | ug/l    | 0.00       |
| 72) 1,4-Dichlorobenzene-d4  | 12.06 | 152  | 356056   | 50.00 | ug/l    | 0.00       |
| System Monitoring Compounds |       |      |          |       |         |            |
| 33) 1,2-Dichloroethane-d4   | 6.03  | 65   | 339786   | 50.29 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 100.58% |            |
| 35) Dibromofluoromethane    | 5.47  | 113  | 268540   | 49.78 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.56%  |            |
| 50) Toluene-d8              | 8.70  | 98   | 983101   | 48.93 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 97.86%  |            |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 354072   | 44.79 | ug/l    | 0.00       |
| Spiked Amount 50.000        |       |      | Recovery | =     | 89.58%  |            |
| Target Compounds            |       |      |          |       |         |            |
| 16) Acetone                 | 2.42  | 43   | 17708    | 6.727 | ug/l    | Qvalue 100 |

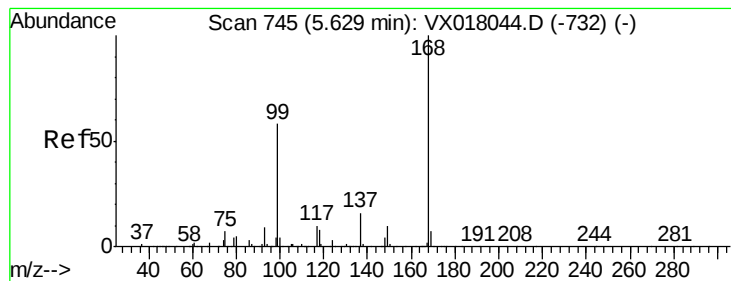
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Fri Aug 21 03:03:56 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018131.D

Acq: 28 Aug 2020 19:20

Instrument :

MSVOA\_X

ClientSampleId :

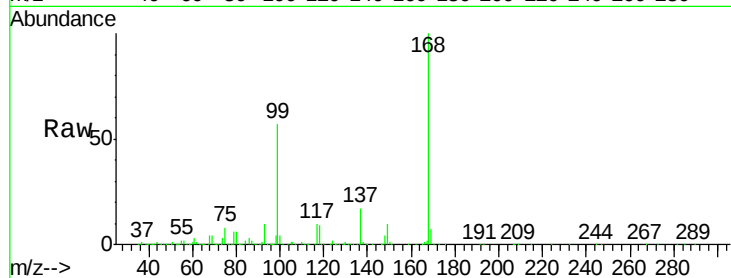
MH-140B-20200827

Tot Ion:168 Resp: 486647

Ion Ratio Lower Upper

168 100

99 56.9 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

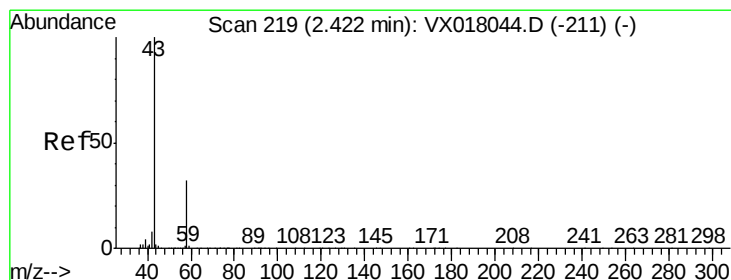
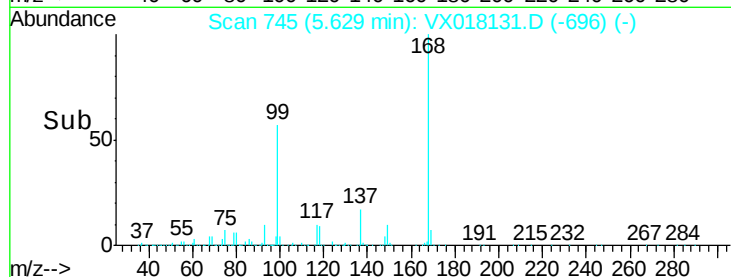
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.727 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX018131.D

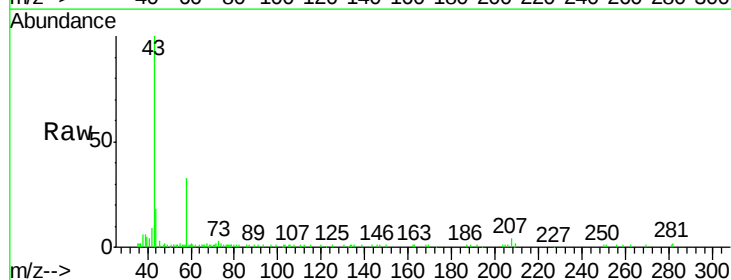
Acq: 28 Aug 2020 19:20

Tgt Ion: 43 Resp: 17708

Ion Ratio Lower Upper

43 100

58 31.8 25.5 38.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

12000

10000

8000

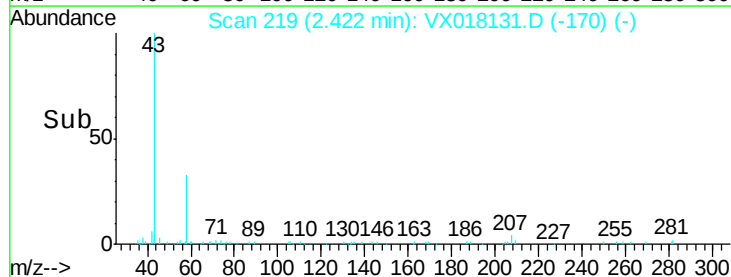
6000

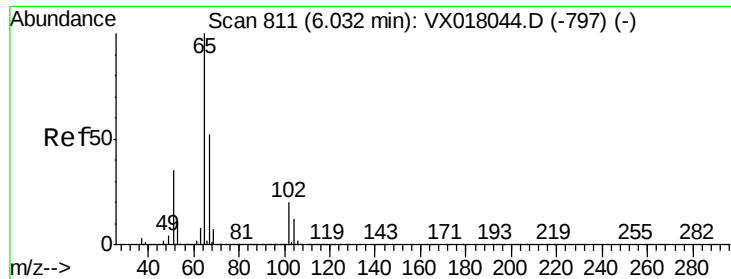
4000

2000

0

Time-->

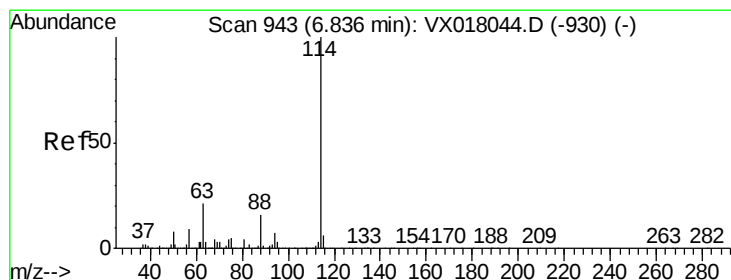
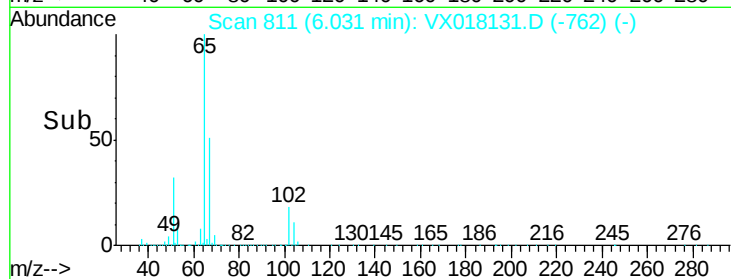
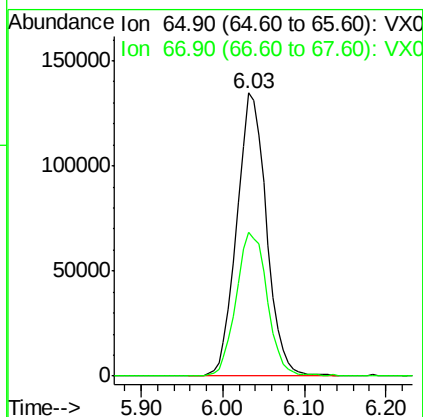
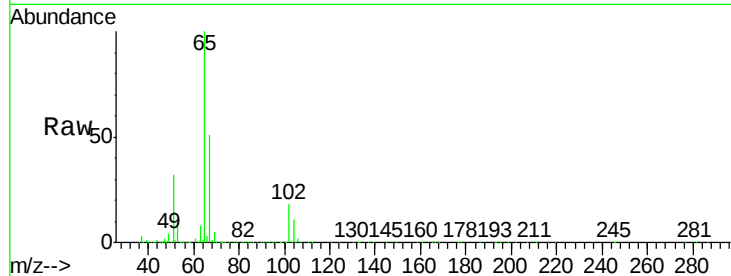




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.295 ug/l  
 RT: 6.03 min Scan# 811  
 Delta R.T. -0.00 min  
 Lab File: VX018131.D  
 Acq: 28 Aug 2020 19:20

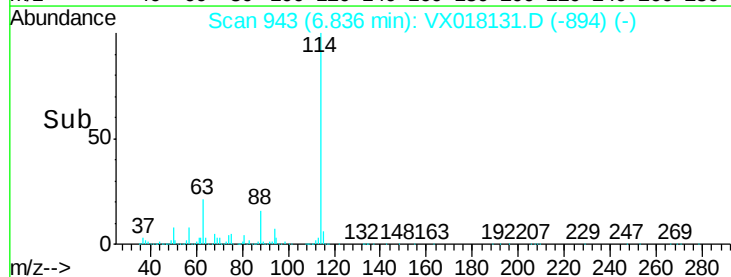
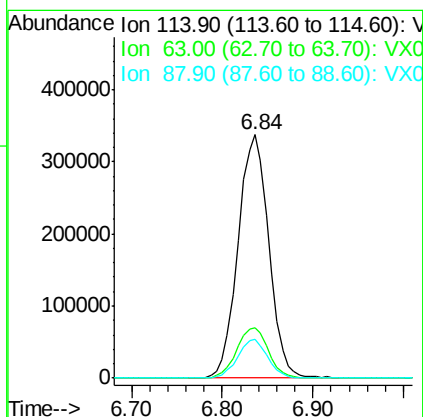
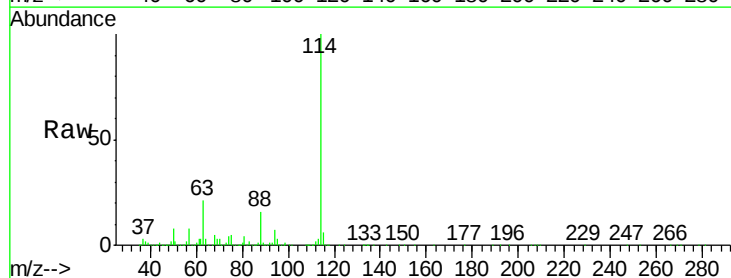
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MH-140B-20200827

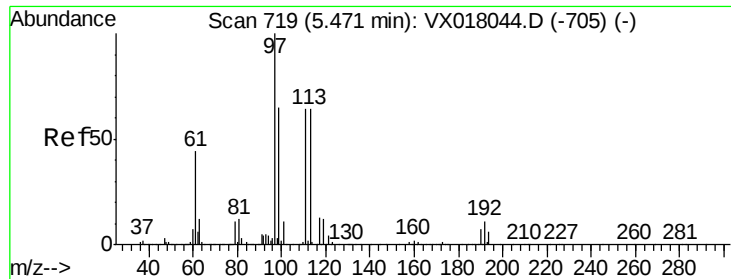
Tot Ion: 65 Resp: 339786  
 Ion Ratio Lower Upper  
 65 100  
 67 53.2 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. -0.00 min  
 Lab File: VX018131.D  
 Acq: 28 Aug 2020 19:20

Tgt Ion: 114 Resp: 792036  
 Ion Ratio Lower Upper  
 114 100  
 63 20.6 0.0 42.6  
 88 16.0 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.784 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018131.D

Acq: 28 Aug 2020 19:20

Instrument :

MSVOA\_X

ClientSampleId :

MH-140B-20200827

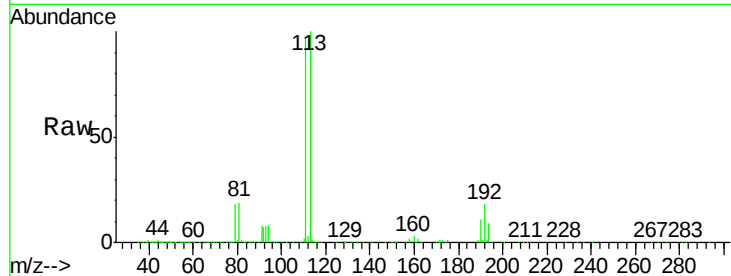
Tot Ion:113 Resp: 268540

Ion Ratio Lower Upper

113 100

111 104.3 81.6 122.4

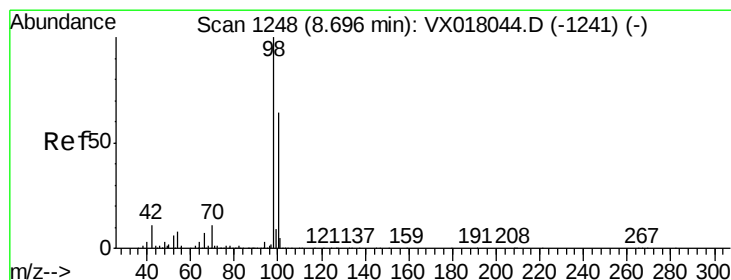
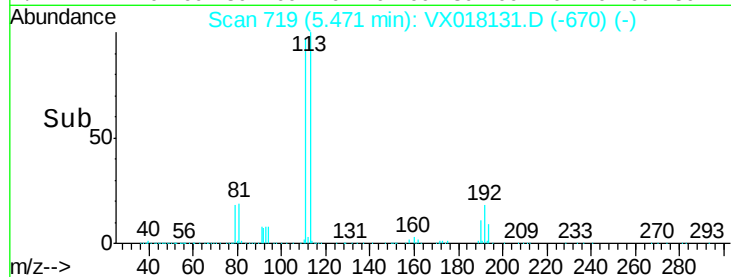
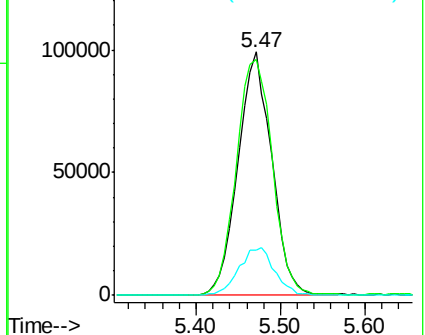
192 20.6 15.8 23.8



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: 48.933 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018131.D

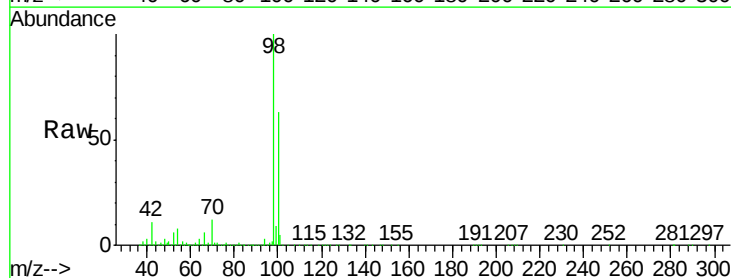
Acq: 28 Aug 2020 19:20

Tgt Ion: 98 Resp: 983101

Ion Ratio Lower Upper

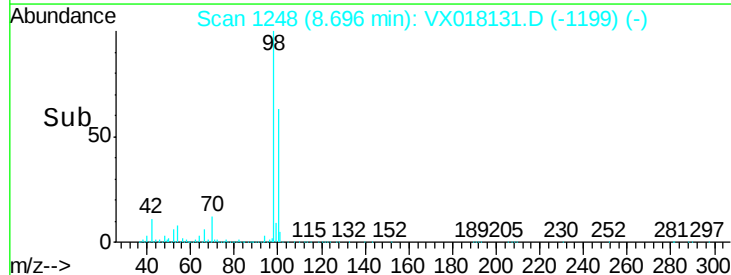
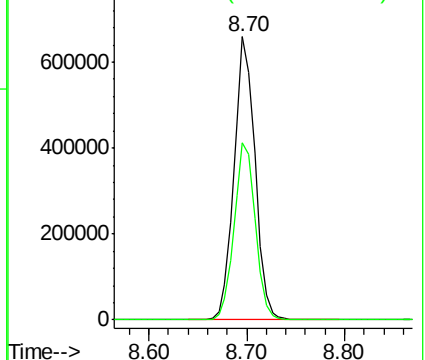
98 100

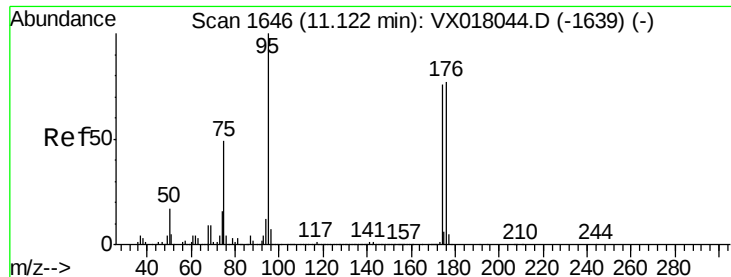
100 63.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 44.794 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018131.D

Acq: 28 Aug 2020 19:20

Instrument :

MSVOA\_X

ClientSampleId :

MH-140B-20200827

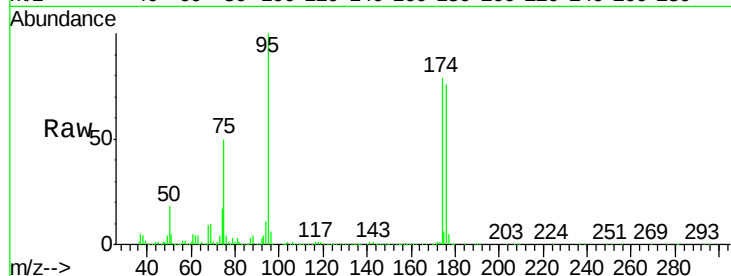
Tot Ion: 95 Resp: 354072

Ion Ratio Lower Upper

95 100

174 81.0 0.0 160.2

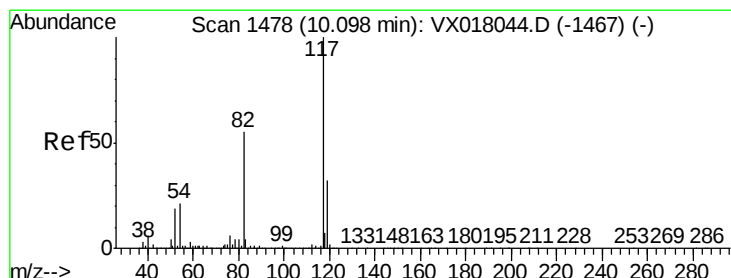
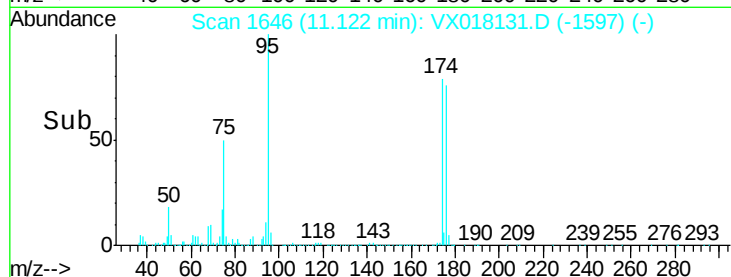
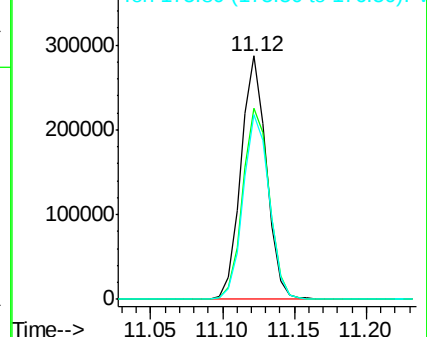
176 77.5 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX018131.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX018131.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX018131.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX018131.D

Acq: 28 Aug 2020 19:20

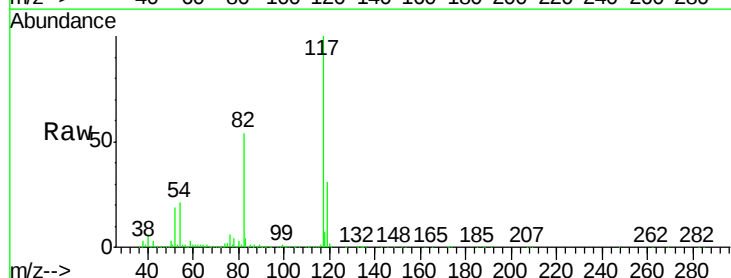
Tgt Ion: 117 Resp: 755510

Ion Ratio Lower Upper

117 100

82 54.3 44.2 66.2

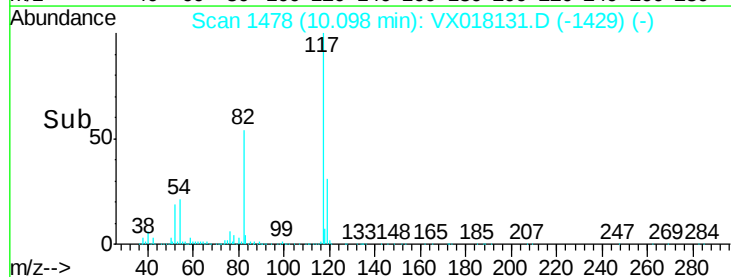
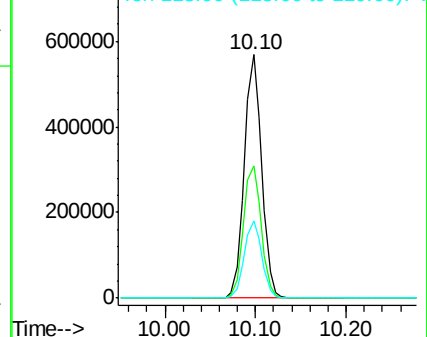
119 31.5 25.7 38.5

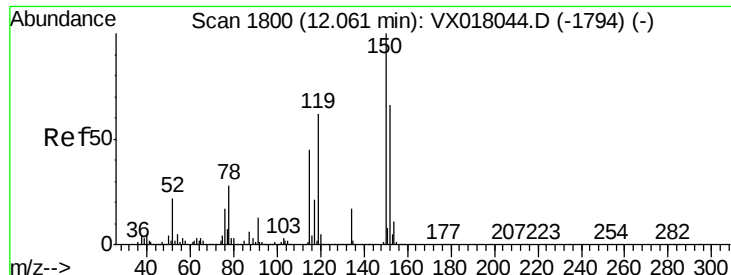


Abundance Ion 116.90 (116.60 to 117.60): VX018131.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX018131.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX018131.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018131.D

Acq: 28 Aug 2020 19:20

Instrument :

MSVOA\_X

ClientSampleId :

MH-140B-20200827

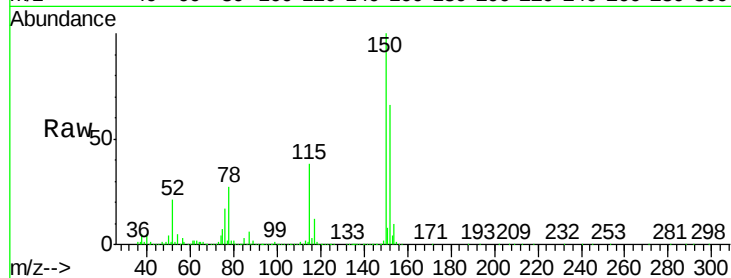
Tot Ion:152 Resp: 356056

Ion Ratio Lower Upper

152 100

115 59.3 41.5 124.5

150 159.2 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

