

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031320\  
 Data File : VX015247.D  
 Acq On : 13 Mar 2020 10:26  
 Operator : JC/SP  
 Sample : L1903-01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-20200307

Quant Time: Mar 16 08:43:54 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Mar 04 14:19:10 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 295335   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 476029   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 450716   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 224980   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.05   | 65  | 166129   | 47.41 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.82%  |      |
| 35) Dibromofluoromethane    | 5.49   | 113 | 143524   | 47.79 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 95.58%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 579309   | 50.71 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.42% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 209141   | 51.33 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.66% |      |

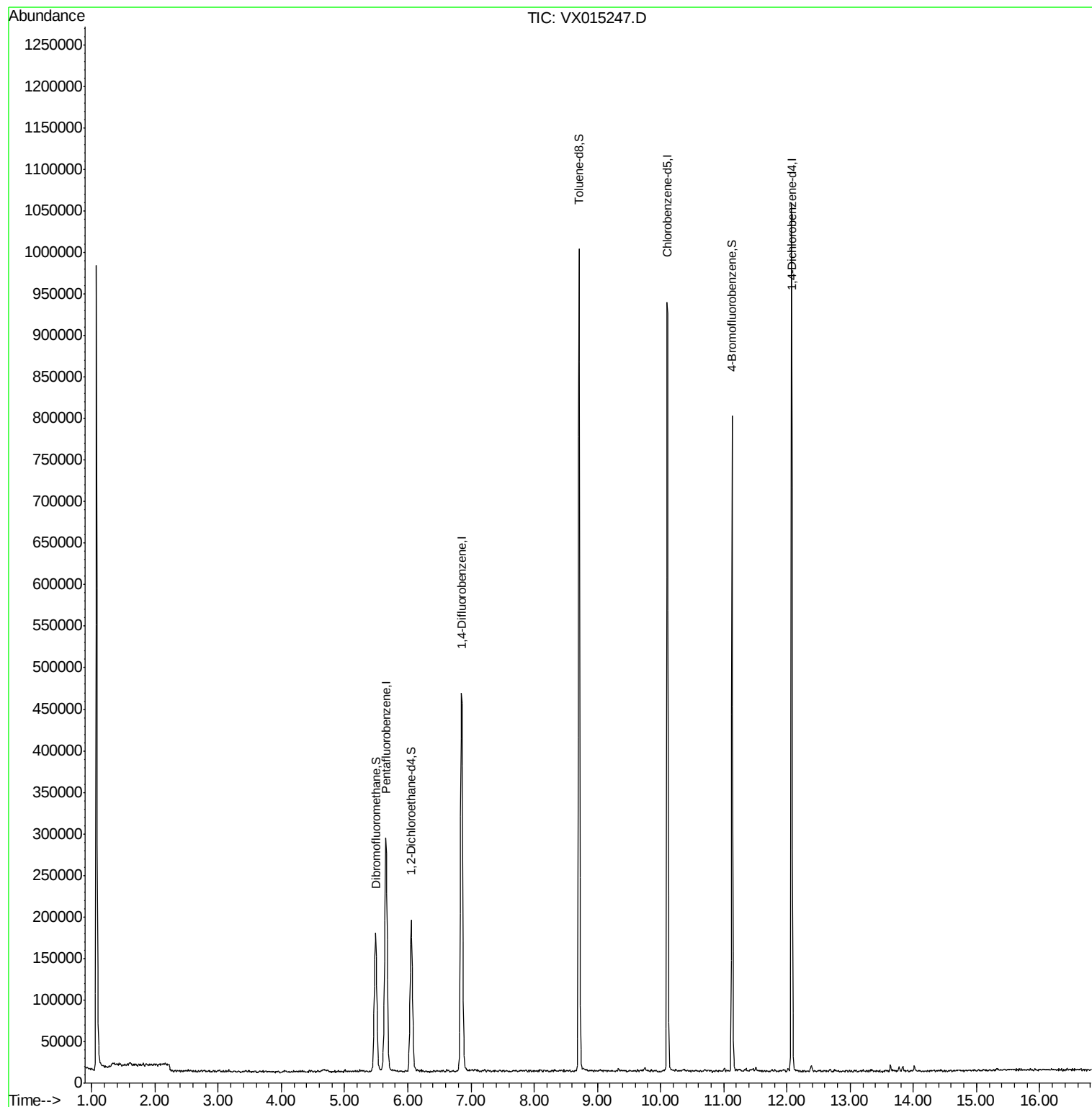
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

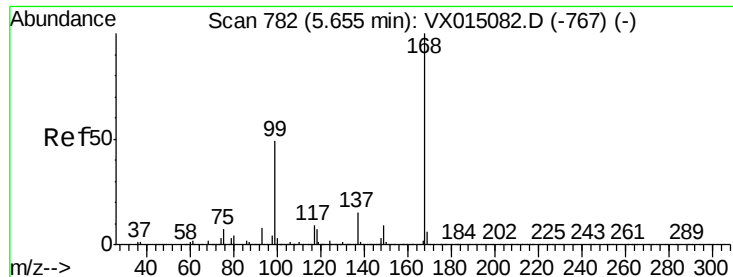
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX031320\  
Data File : VX015247.D  
Acq On : 13 Mar 2020 10:26  
Operator : JC/SP  
Sample : L1903-01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-20200307

Quant Time: Mar 16 08:43:54 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X030420W.M  
Quant Title : SW846 8260  
QLast Update : Wed Mar 04 14:19:10 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: VX015247.D

Acq: 13 Mar 2020 10:26

Instrument :

MSVOA\_X

ClientSampleId :

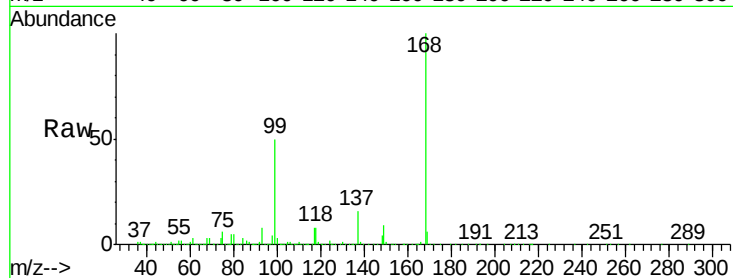
TB-20200307

Tot Ion:168 Resp: 295335

Ion Ratio Lower Upper

168 100

99 49.7 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

120000

100000

80000

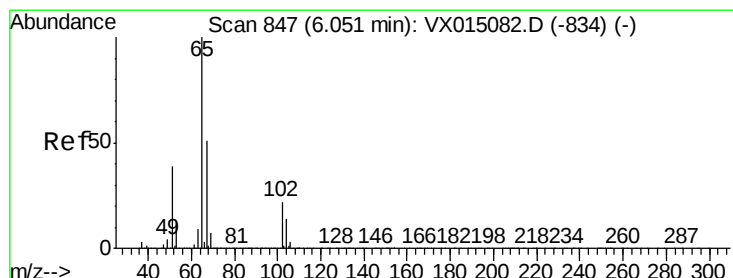
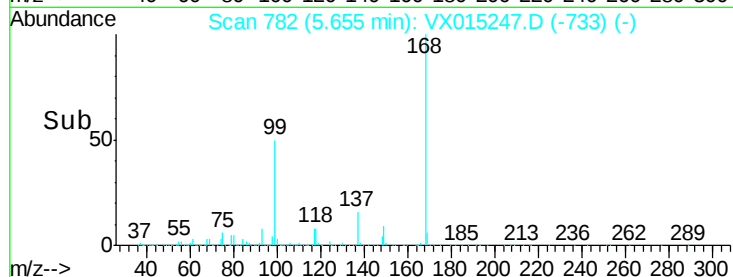
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 47.414 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015247.D

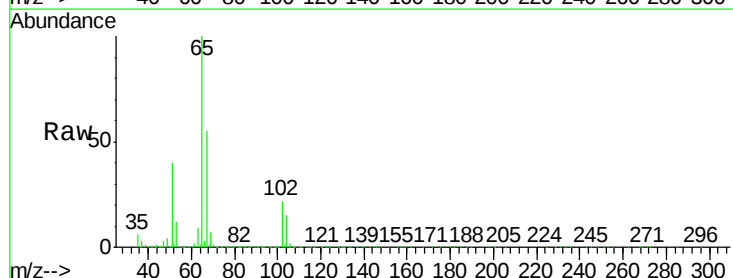
Acq: 13 Mar 2020 10:26

Tgt Ion: 65 Resp: 166129

Ion Ratio Lower Upper

65 100

67 54.8 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

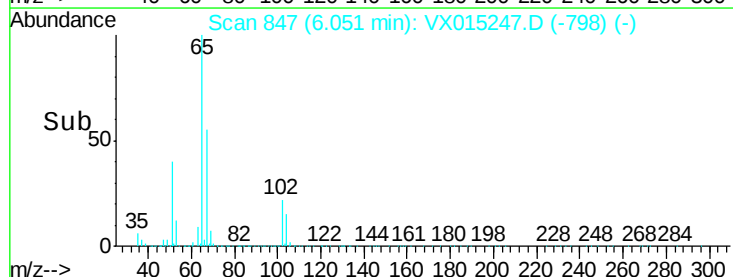
60000

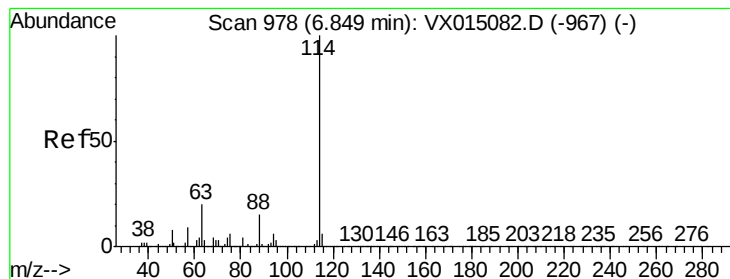
40000

20000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015247.D

Acq: 13 Mar 2020 10:26

Instrument :

MSVOA\_X

ClientSampleId :

TB-20200307

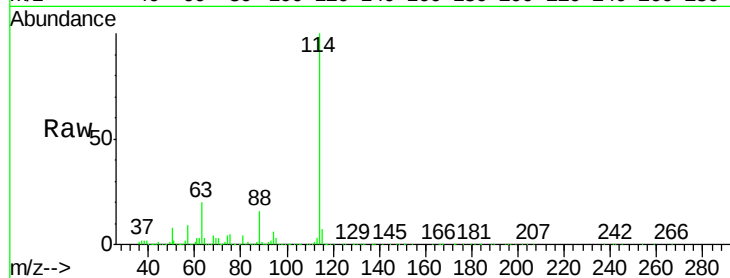
Tot Ion:114 Resp: 476029

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.0

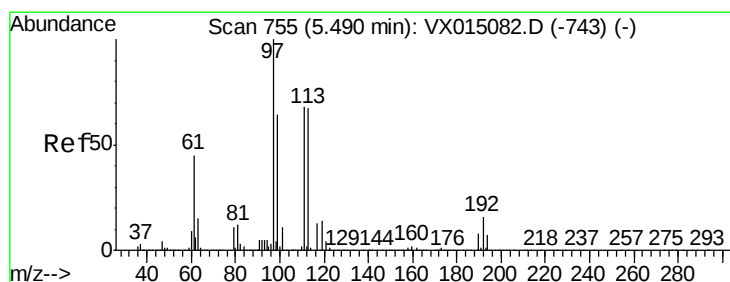
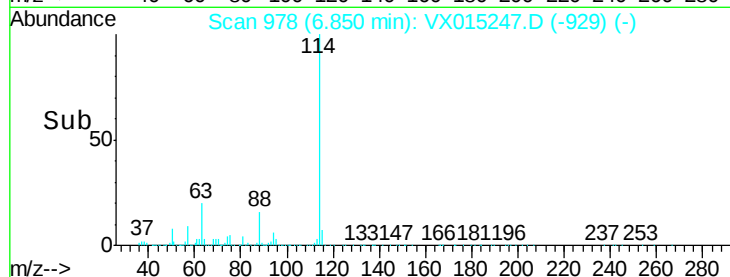
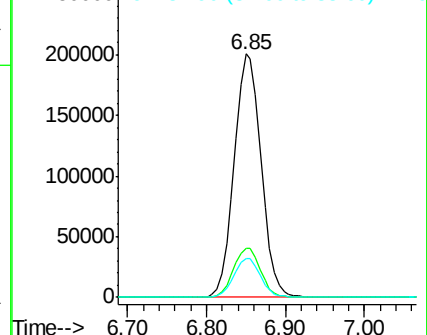
88 15.9 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.792 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015247.D

Acq: 13 Mar 2020 10:26

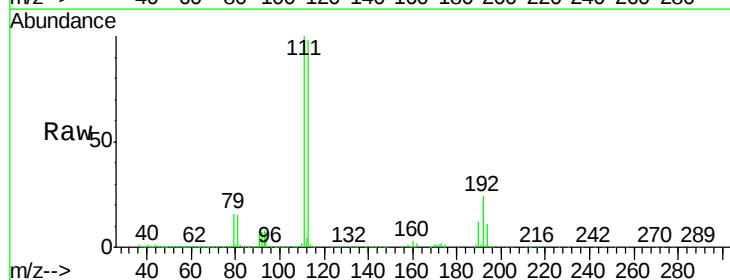
Tgt Ion:113 Resp: 143524

Ion Ratio Lower Upper

113 100

111 102.7 82.6 123.8

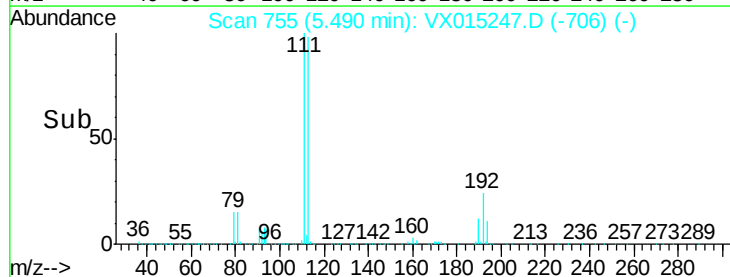
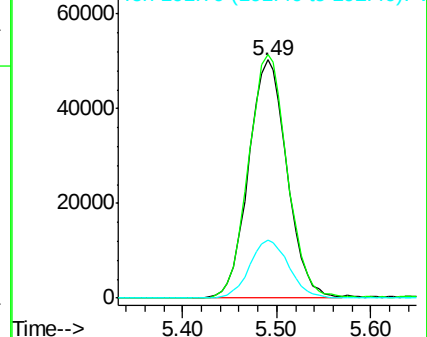
192 25.0 18.6 28.0

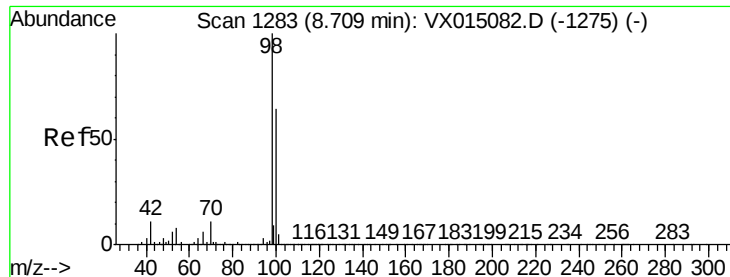


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 50.712 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015247.D

Acq: 13 Mar 2020 10:26

Instrument :

MSVOA\_X

ClientSampleId :

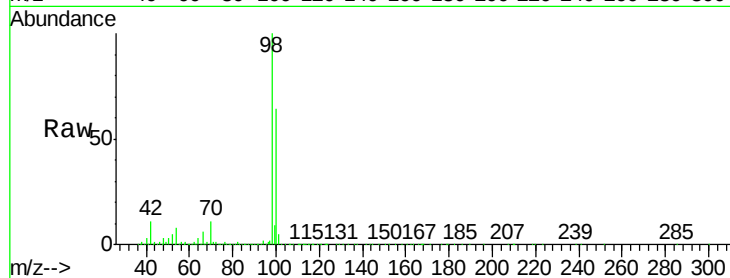
TB-20200307

Tot Ion: 98 Resp: 579309

Ion Ratio Lower Upper

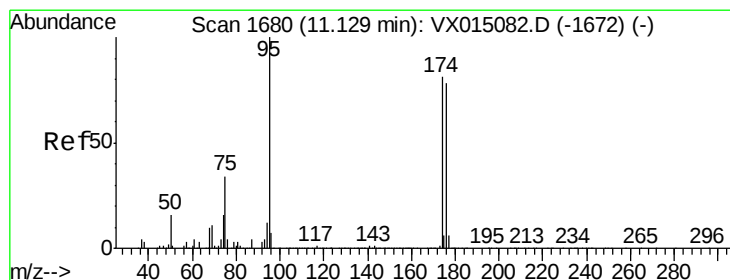
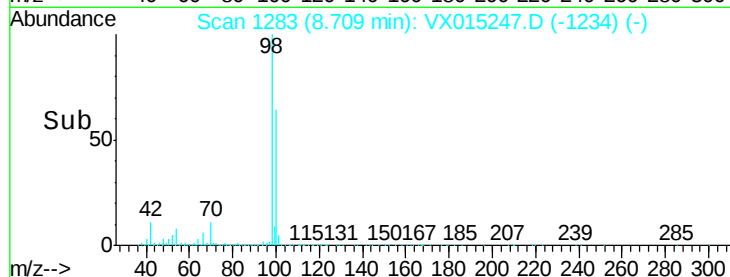
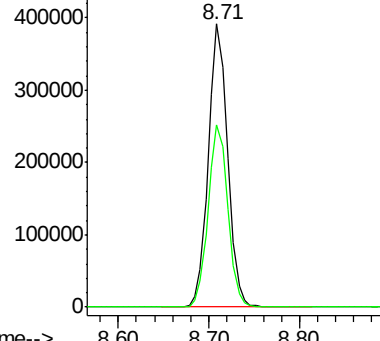
98 100

100 65.2 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 51.328 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015247.D

Acq: 13 Mar 2020 10:26

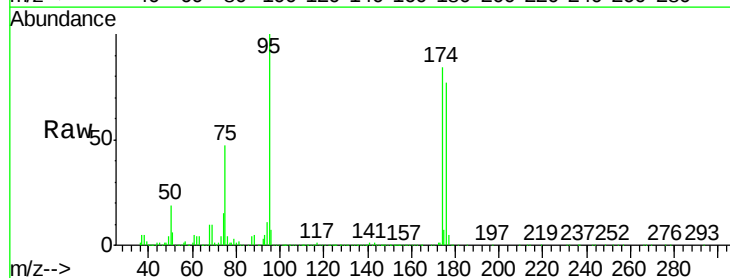
Tgt Ion: 95 Resp: 209141

Ion Ratio Lower Upper

95 100

174 91.5 0.0 177.6

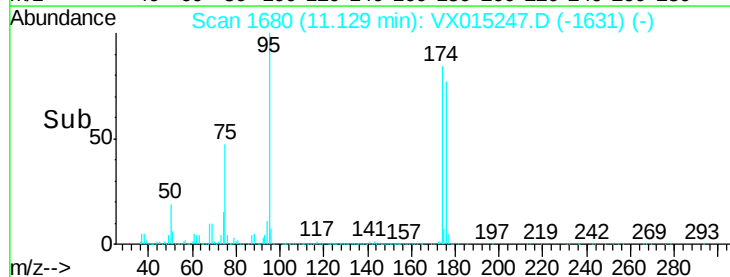
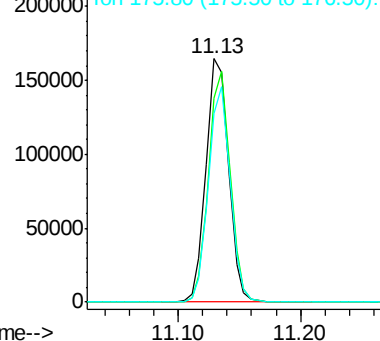
176 85.6 0.0 170.2

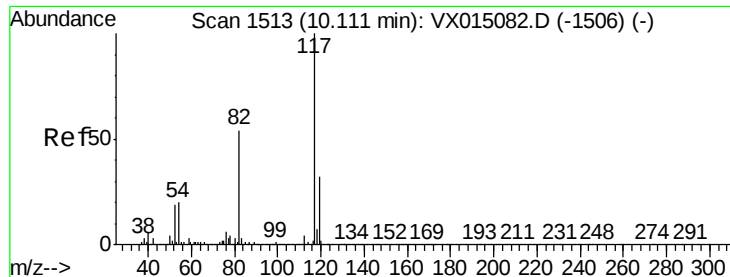


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX015247.D

Acq: 13 Mar 2020 10:26

Instrument :

MSVOA\_X

ClientSampleId :

TB-20200307

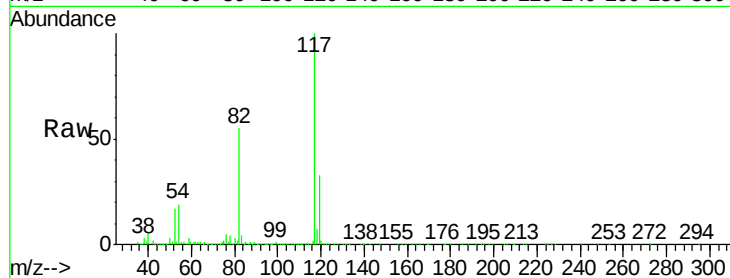
Tot Ion:117 Resp: 450716

Ion Ratio Lower Upper

117 100

82 54.5 43.3 64.9

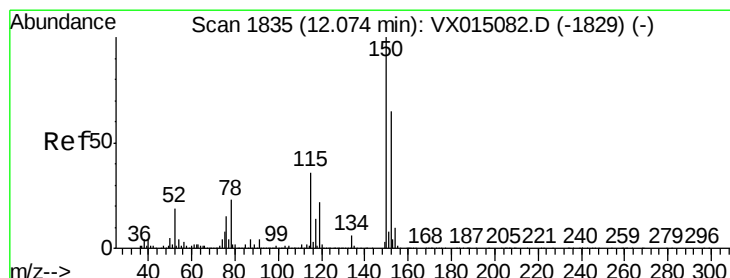
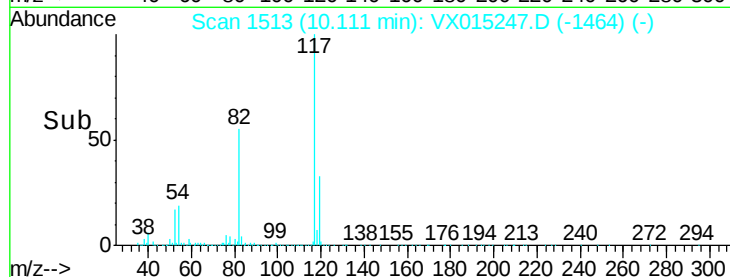
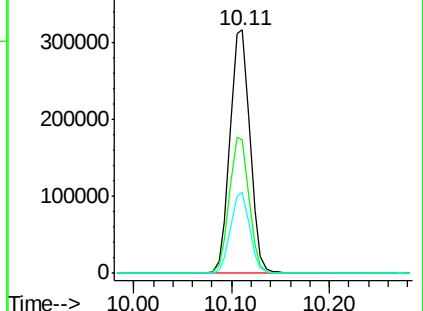
119 33.3 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

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: VX015247.D

Acq: 13 Mar 2020 10:26

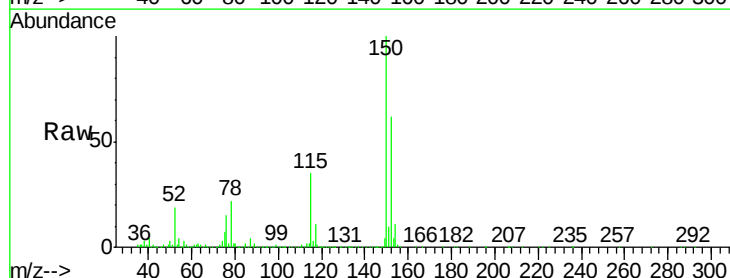
Tgt Ion:152 Resp: 224980

Ion Ratio Lower Upper

152 100

115 56.0 38.2 114.6

150 157.4 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

