

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030520\  
 Data File : VX015112.D  
 Acq On : 05 Mar 2020 16:41  
 Operator : JC/SP  
 Sample : L1818-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 W-2A

Quant Time: Mar 06 03:55:18 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

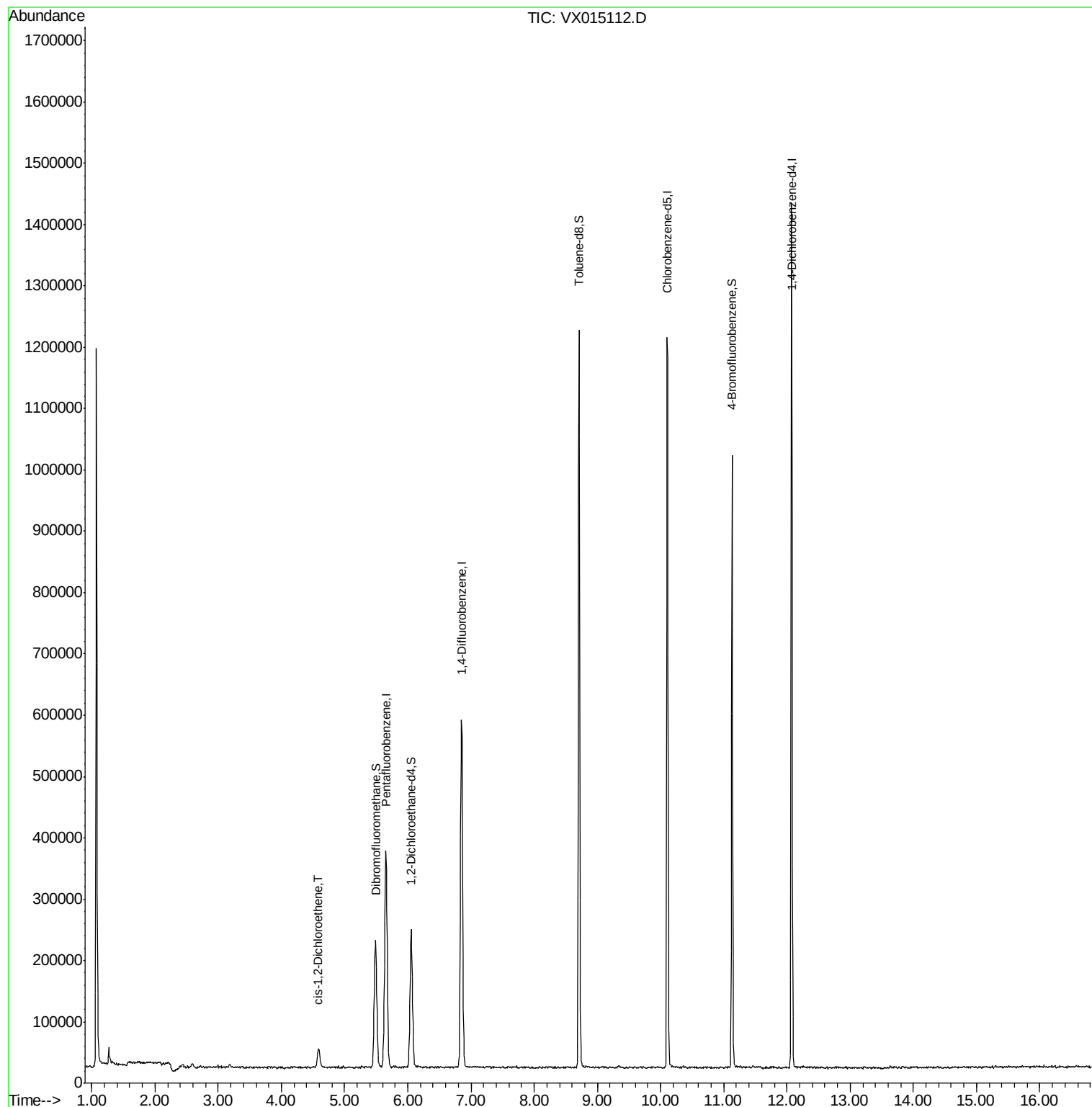
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min)  |
|-----------------------------|-------|------|----------|-------|---------|-----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 358327   | 50.00 | ug/l    | 0.00      |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 579021   | 50.00 | ug/l    | 0.00      |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 553609   | 50.00 | ug/l    | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 291907   | 50.00 | ug/l    | 0.00      |
| System Monitoring Compounds |       |      |          |       |         |           |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 212205   | 49.92 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.84%  |           |
| 35) Dibromofluoromethane    | 5.49  | 113  | 179457   | 49.13 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.26%  |           |
| 50) Toluene-d8              | 8.71  | 98   | 692971   | 49.87 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.74%  |           |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 259055   | 52.27 | ug/l    | 0.00      |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.54% |           |
| Target Compounds            |       |      |          |       |         |           |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 21184    | 5.079 | ug/l    | Qvalue 91 |

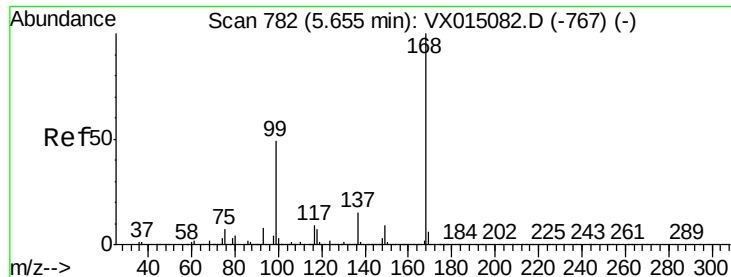
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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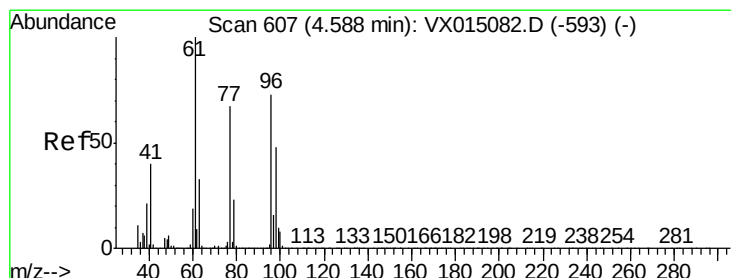
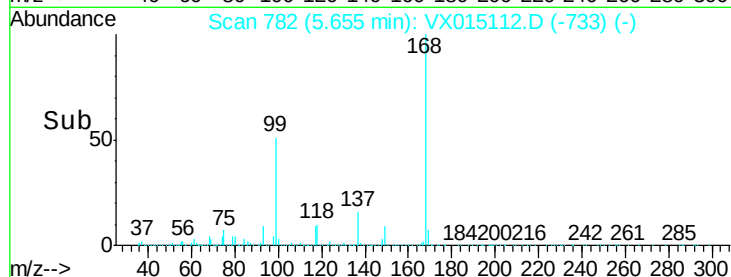
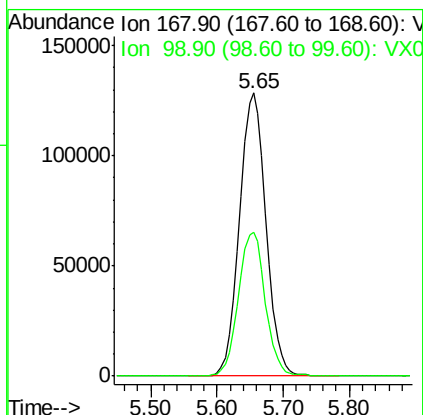
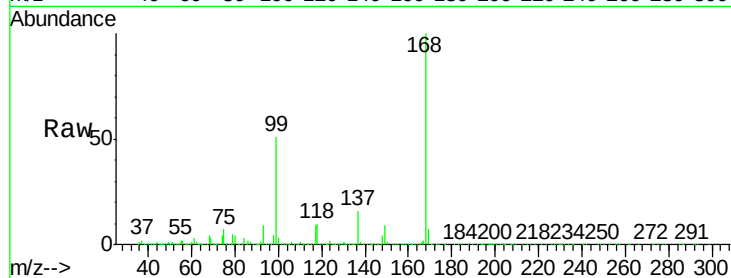


#1

Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. 0.00 min  
 Lab File: VX015112.D  
 Acq: 05 Mar 2020 16:41

Instrument :  
 MSVOA\_X  
 ClientSampled :  
 W-2A

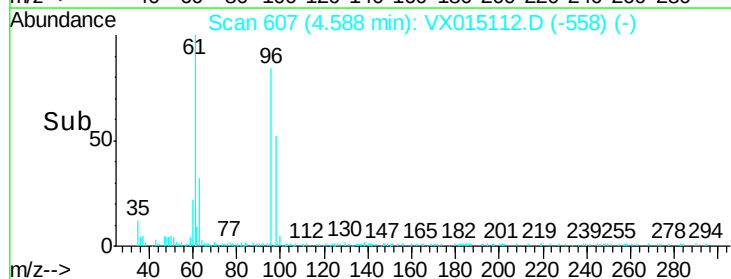
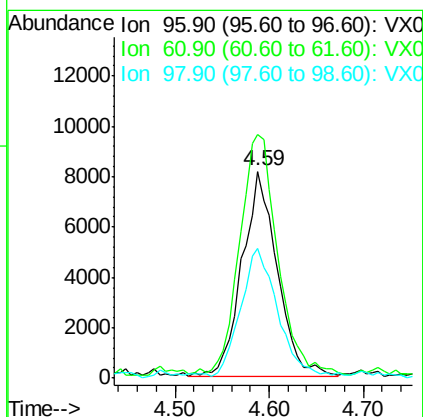
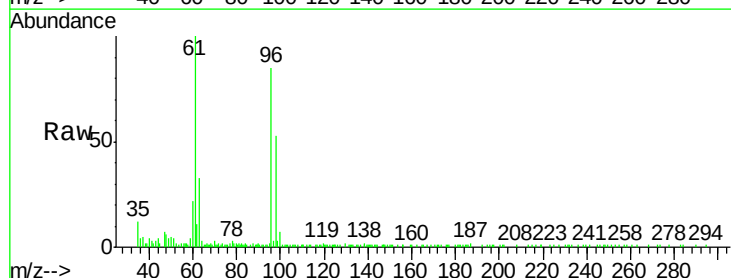
Tot Ion:168 Resp: 358327  
 Ion Ratio Lower Upper  
 168 100  
 99 50.7 39.4 59.2

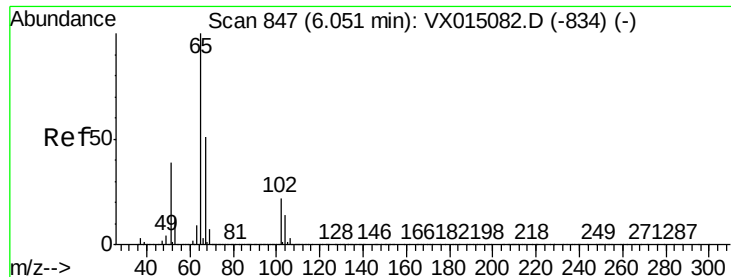


#27

cis-1,2-Dichloroethene  
 Concen: 5.079 ug/l  
 RT: 4.59 min Scan# 607  
 Delta R.T. 0.00 min  
 Lab File: VX015112.D  
 Acq: 05 Mar 2020 16:41

Tgt Ion: 96 Resp: 21184  
 Ion Ratio Lower Upper  
 96 100  
 61 128.0 0.0 286.8  
 98 65.8 0.0 128.4





#33

1,2-Dichloroethane-d4

Concen: 49.918 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

Instrument :

MSVOA\_X

ClientSampleId :

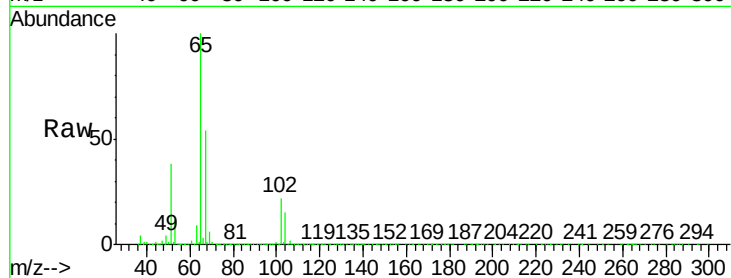
W-2A

Tot Ion: 65 Resp: 212205

Ion Ratio Lower Upper

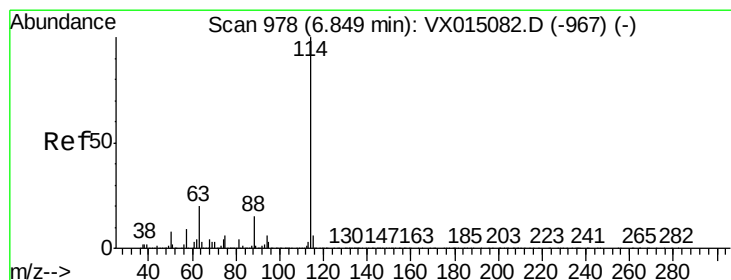
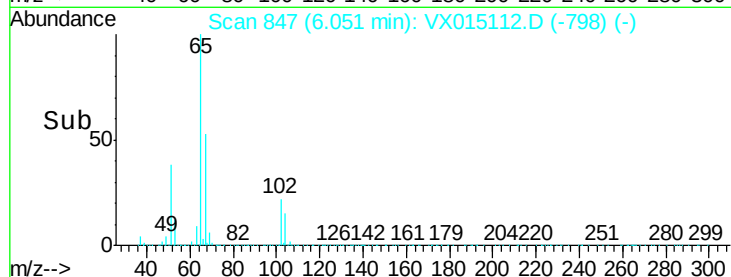
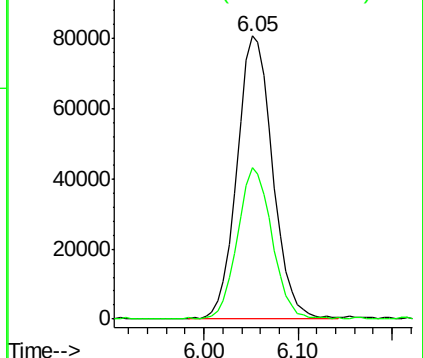
65 100

67 51.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

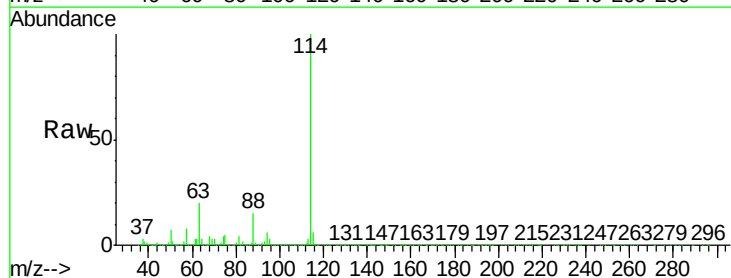
Tgt Ion: 114 Resp: 579021

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.0

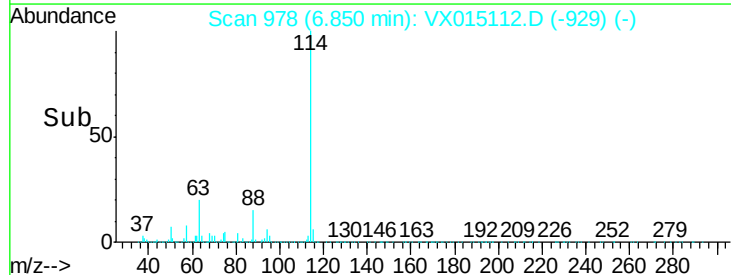
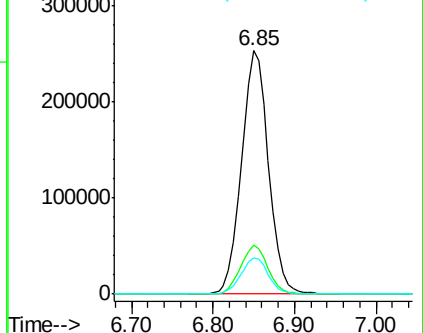
88 15.1 0.0 30.6

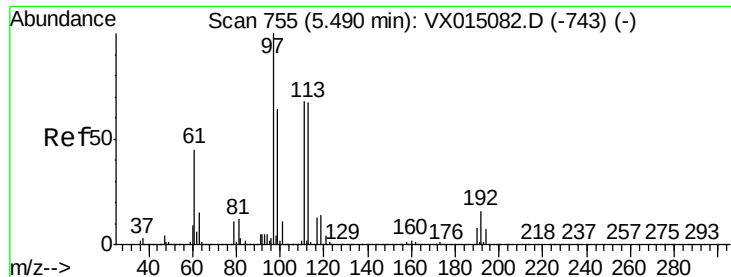


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.128 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

Instrument :

MSVOA\_X

ClientSampleId :

W-2A

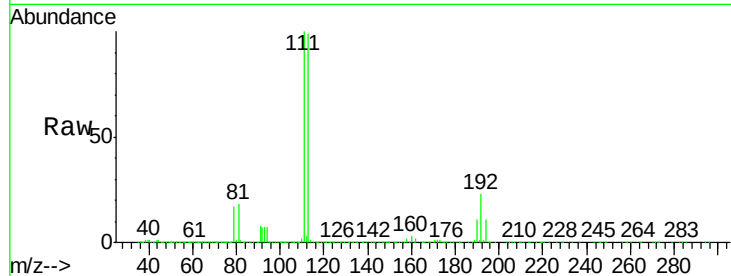
Tot Ion:113 Resp: 179457

Ion Ratio Lower Upper

113 100

111 100.9 82.6 123.8

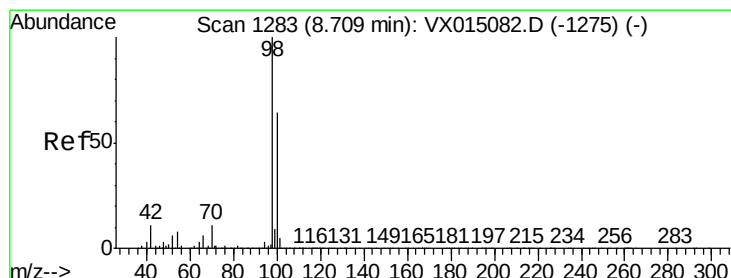
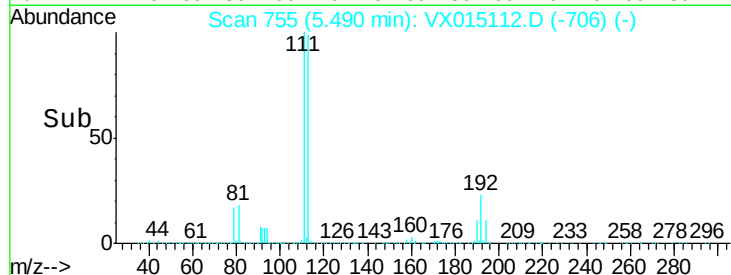
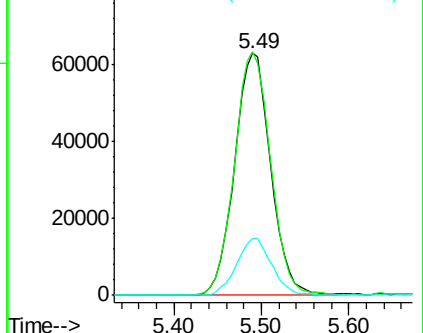
192 23.2 18.6 28.0



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: 49.872 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015112.D

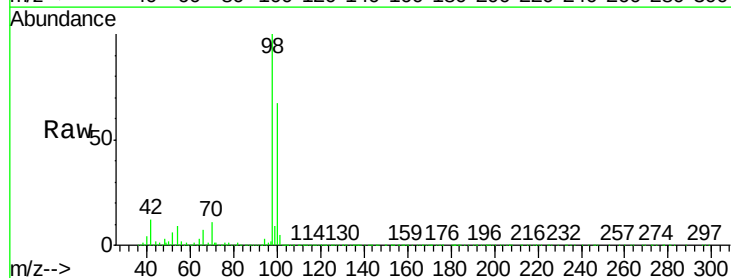
Acq: 05 Mar 2020 16:41

Tgt Ion: 98 Resp: 692971

Ion Ratio Lower Upper

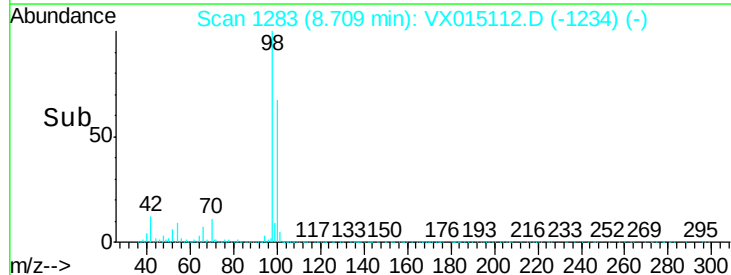
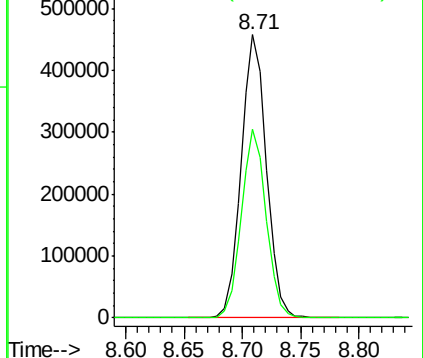
98 100

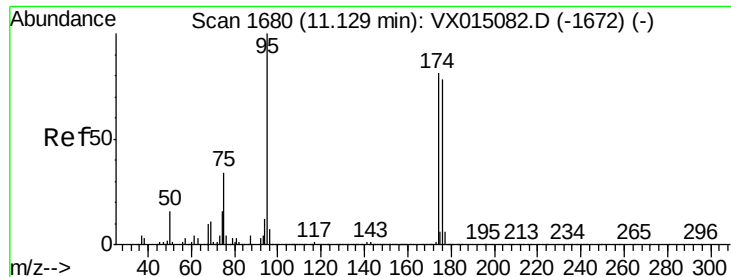
100 65.7 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

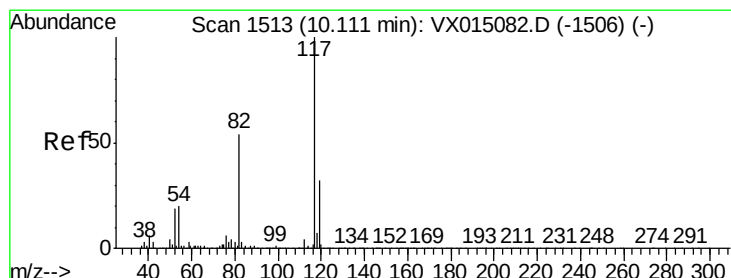
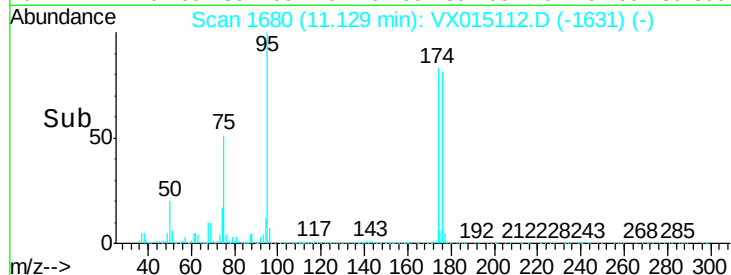
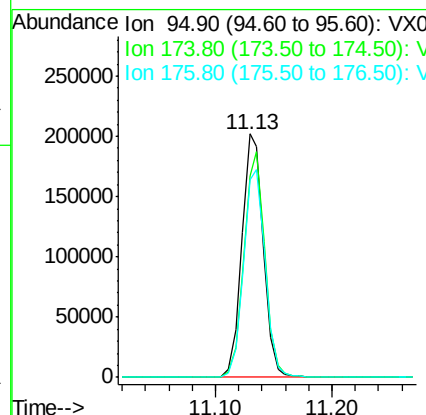
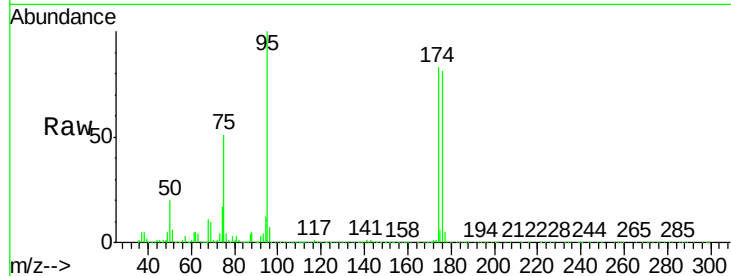




#62  
4-Bromofluorobenzene  
Concen: 52.269 ug/l  
RT: 11.13 min Scan# 1680  
Delta R.T. 0.00 min  
Lab File: VX015112.D  
Acq: 05 Mar 2020 16:41

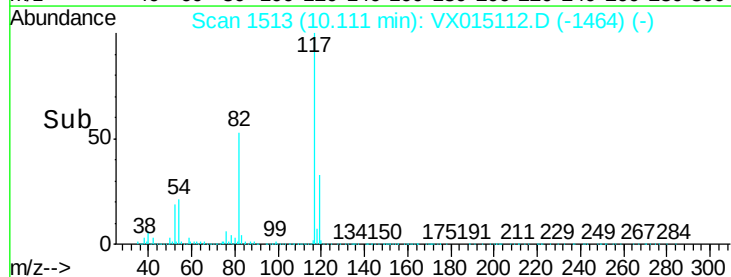
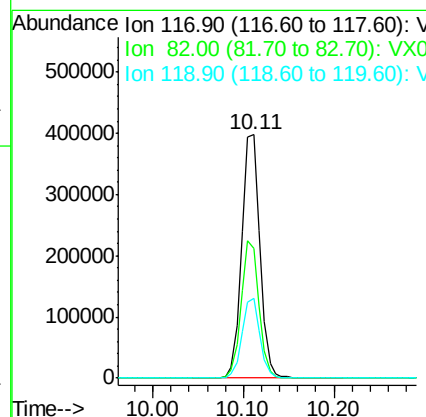
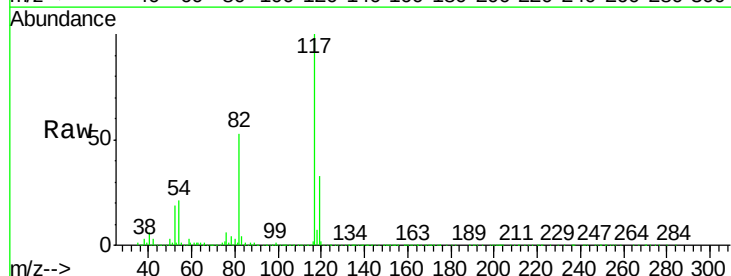
Instrument :  
MSVOA\_X  
ClientSampled :  
W-2A

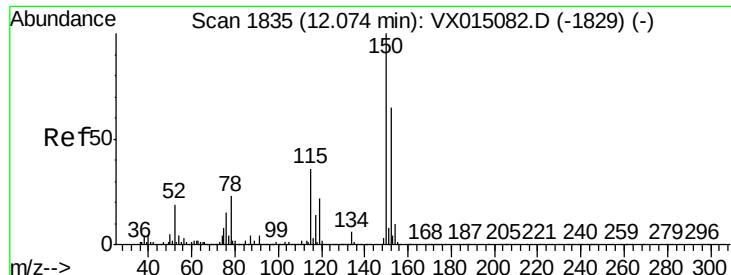
Tot Ion: 95 Resp: 259055  
Ion Ratio Lower Upper  
95 100  
174 90.6 0.0 177.6  
176 86.4 0.0 170.2



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. 0.00 min  
Lab File: VX015112.D  
Acq: 05 Mar 2020 16:41

Tgt Ion: 117 Resp: 553609  
Ion Ratio Lower Upper  
117 100  
82 53.3 43.3 64.9  
119 32.6 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX015112.D

Acq: 05 Mar 2020 16:41

Instrument :

MSVOA\_X

ClientSampleId :

W-2A

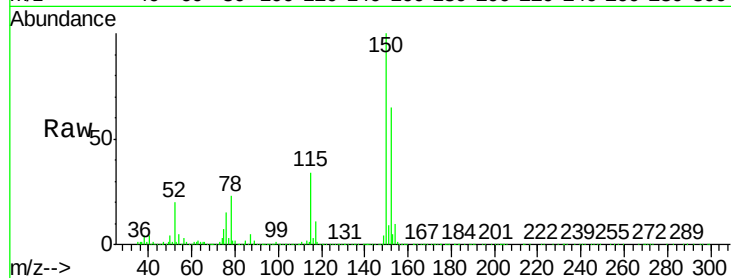
Tot Ion:152 Resp: 291907

Ion Ratio Lower Upper

152 100

115 54.0 38.2 114.6

150 154.7 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

