

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093019\  
 Data File : VX012708.D  
 Acq On : 30 Sep 2019 16:19  
 Operator : JC/SP  
 Sample : K5081-14  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ123I-20190926

Quant Time: Oct 01 04:34:39 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

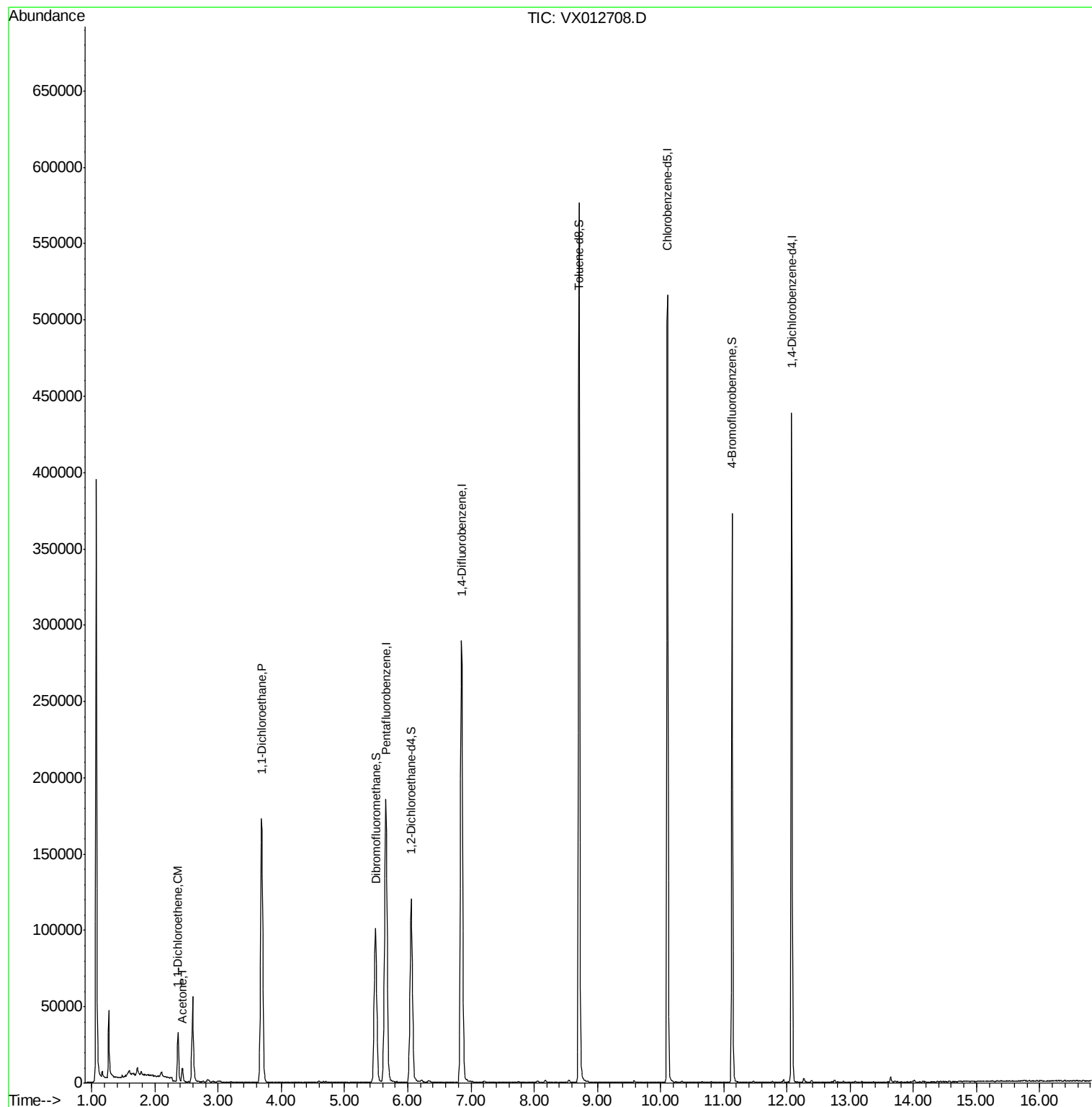
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 164291   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 283514   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 234184   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 83995    | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 116513   | 48.70  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 97.40%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 86617    | 51.30  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 102.60% |          |
| 50) Toluene-d8              | 8.71  | 98   | 335501   | 51.60  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.20% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 106095   | 41.50  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 83.00%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 12) 1,1-Dichloroethene      | 2.36  | 96   | 10880    | 6.159  | ug/l    | 99       |
| 16) Acetone                 | 2.43  | 43   | 10356    | 8.172  | ug/l    | 95       |
| 24) 1,1-Dichloroethane      | 3.69  | 63   | 196557   | 53.398 | ug/l    | 99       |

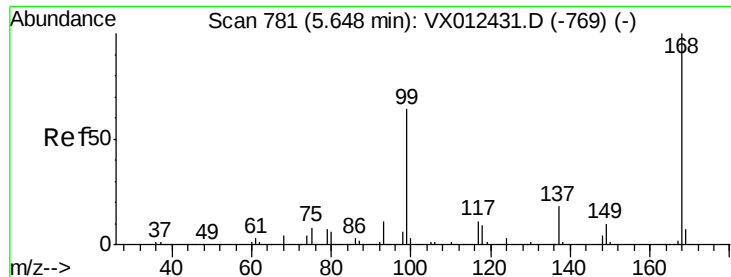
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX093019\  
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Quant Time: Oct 01 04:34:39 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012708.D

Acq: 30 Sep 2019 16:19

Instrument :

MSVOA\_X

ClientSampleId :

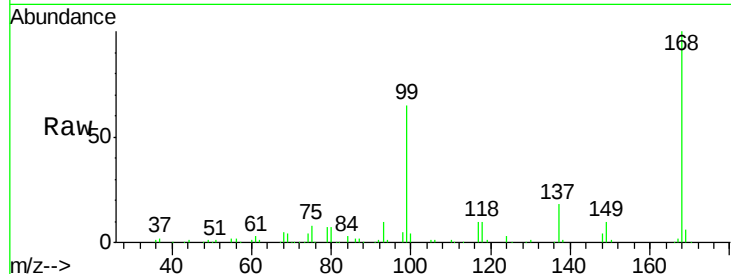
SA-PZ123I-20190926

Tot Ion:168 Resp: 164291

Ion Ratio Lower Upper

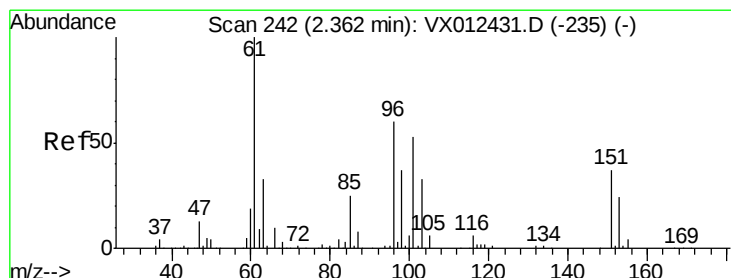
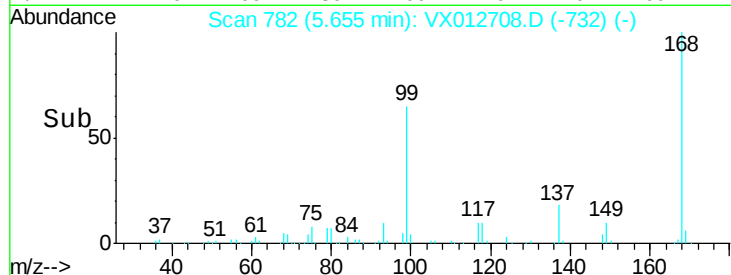
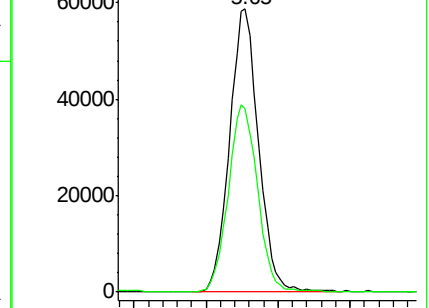
168 100

99 64.6 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#12

1,1-Dichloroethene

Concen: 6.159 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012708.D

Acq: 30 Sep 2019 16:19

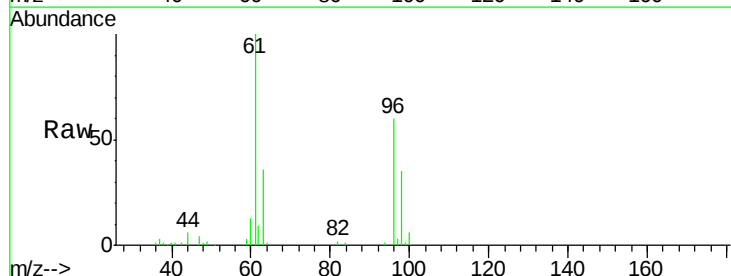
Tgt Ion: 96 Resp: 10880

Ion Ratio Lower Upper

96 100

61 167.4 133.8 200.6

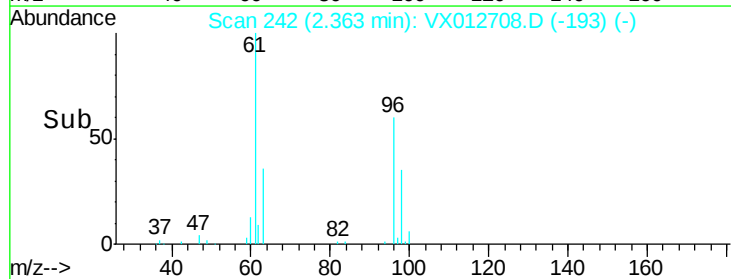
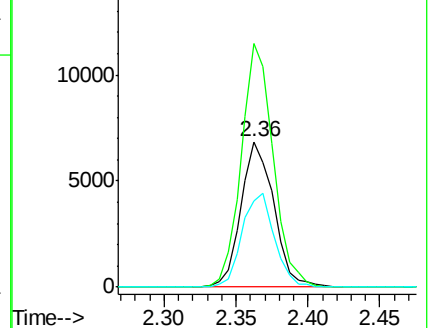
98 58.9 49.9 74.9

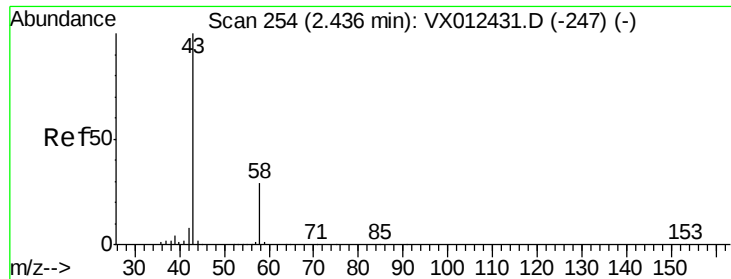


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#16

Acetone

Concen: 8.172 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012708.D

Acq: 30 Sep 2019 16:19

Instrument :

MSVOA\_X

ClientSampleId :

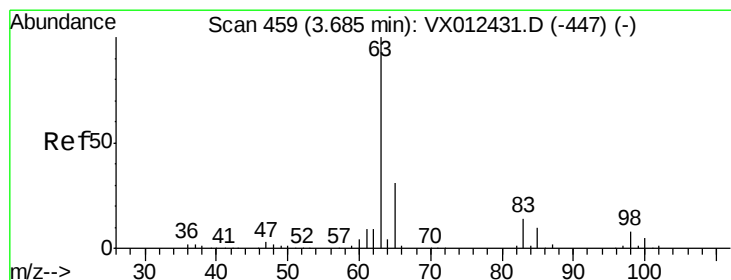
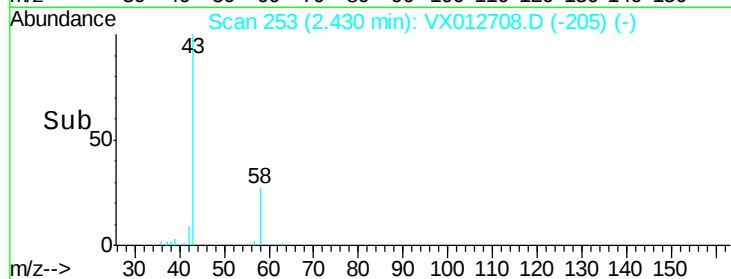
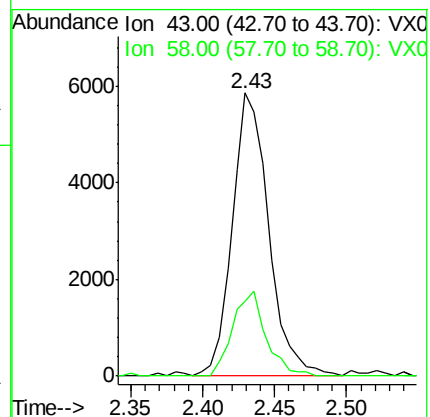
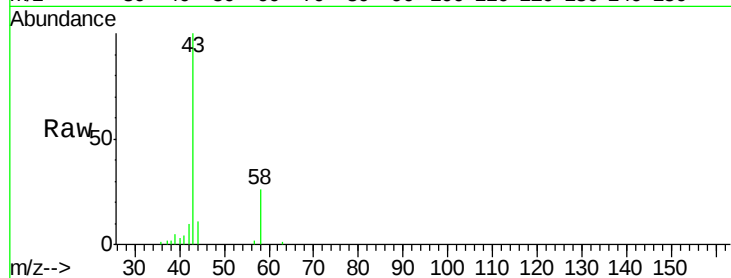
SA-PZ123I-20190926

Tot Ion: 43 Resp: 10356

Ion Ratio Lower Upper

43 100

58 26.5 23.3 34.9



#24

1,1-Dichloroethane

Concen: 53.398 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012708.D

Acq: 30 Sep 2019 16:19

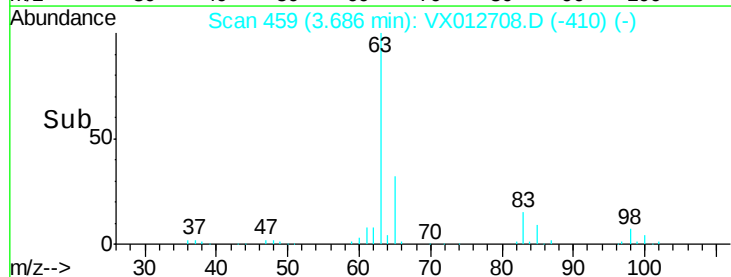
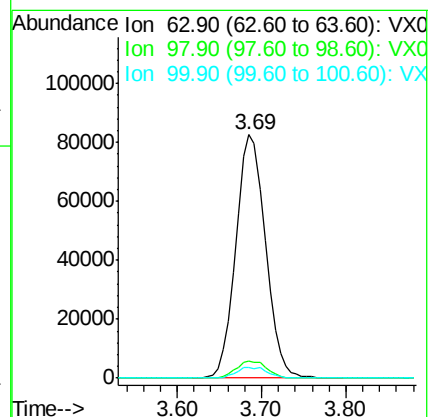
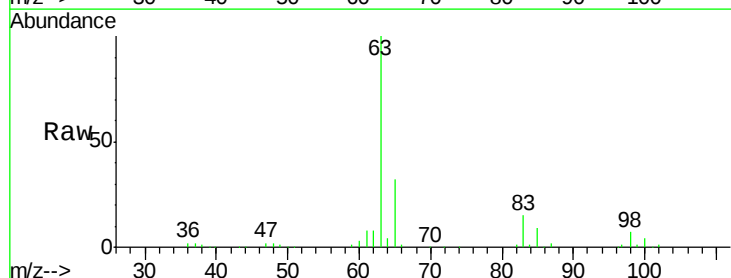
Tgt Ion: 63 Resp: 196557

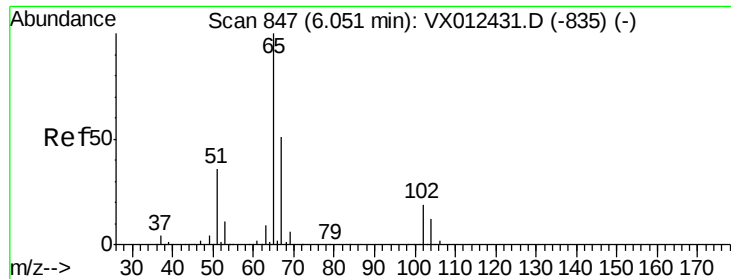
Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.7

100 4.4 2.3 6.9

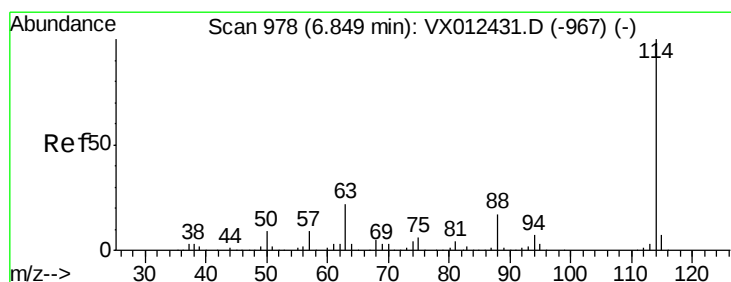
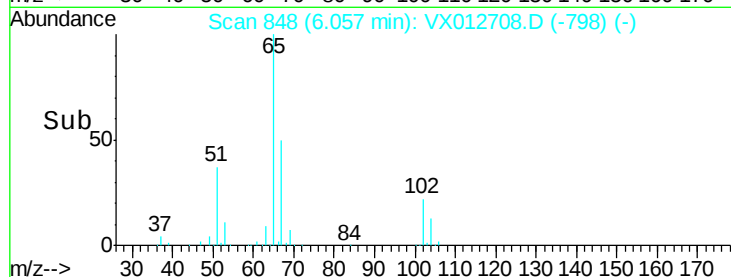
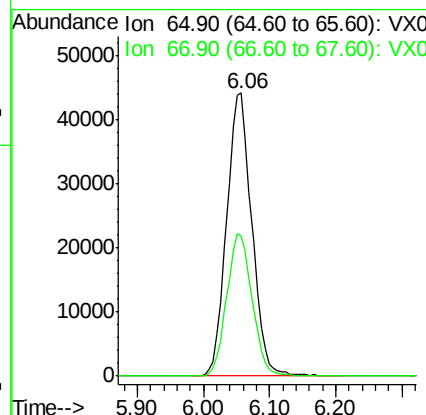
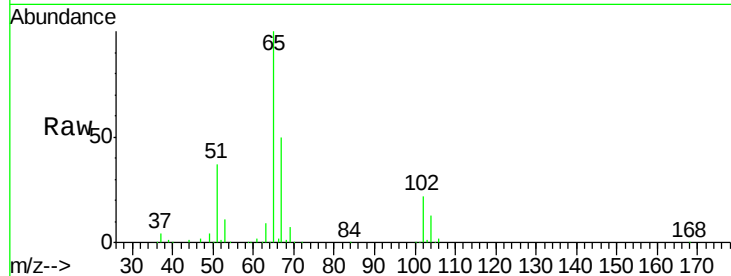




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.701 ug/l  
 RT: 6.06 min Scan# 848  
 Delta R.T. 0.01 min  
 Lab File: VX012708.D  
 Acq: 30 Sep 2019 16:19

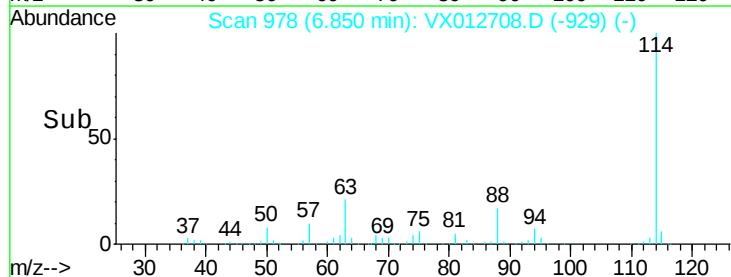
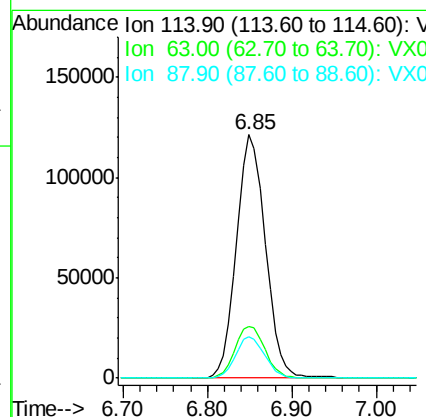
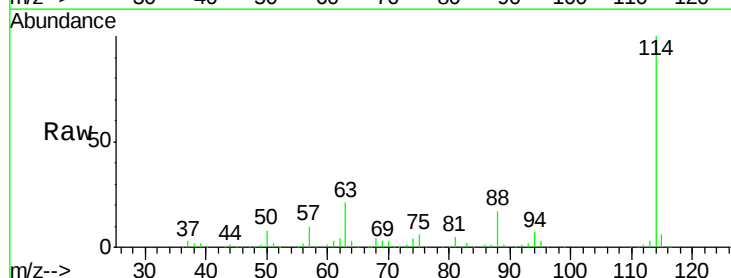
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ1231-20190926

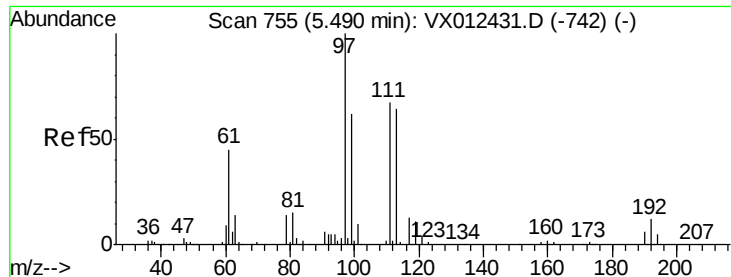
Tot Ion: 65 Resp: 116513  
 Ion Ratio Lower Upper  
 65 100  
 67 50.8 0.0 101.2



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. 0.00 min  
 Lab File: VX012708.D  
 Acq: 30 Sep 2019 16:19

Tgt Ion: 114 Resp: 283514  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 43.2  
 88 17.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.300 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012708.D

Acq: 30 Sep 2019 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ1231-20190926

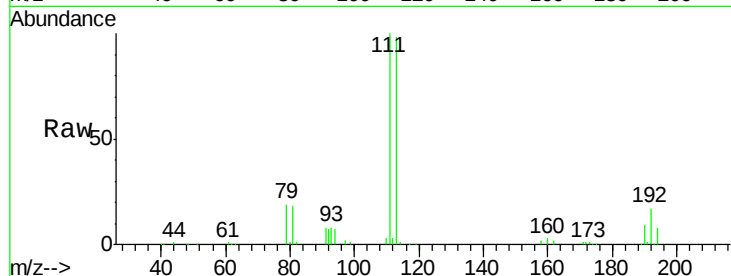
Tot Ion:113 Resp: 86617

Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.2

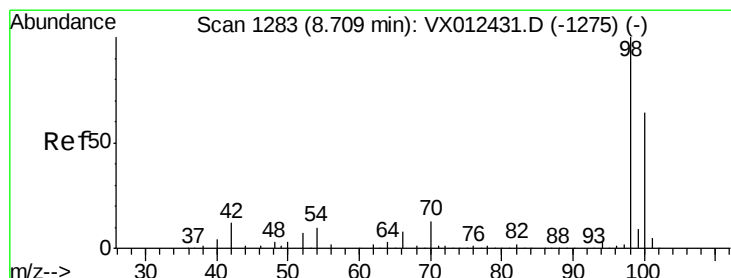
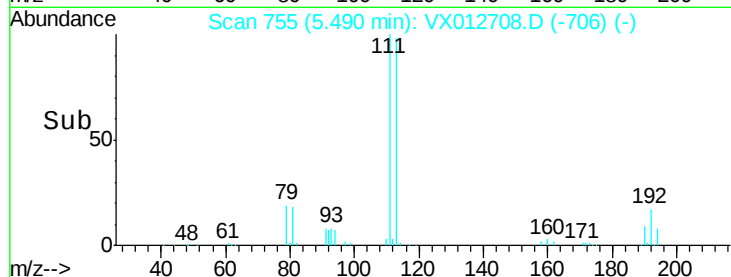
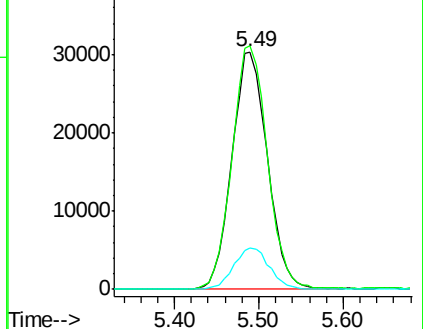
192 17.5 14.4 21.6



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: 51.597 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012708.D

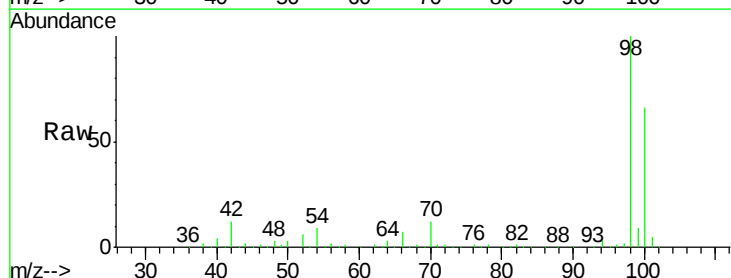
Acq: 30 Sep 2019 16:19

Tgt Ion: 98 Resp: 335501

Ion Ratio Lower Upper

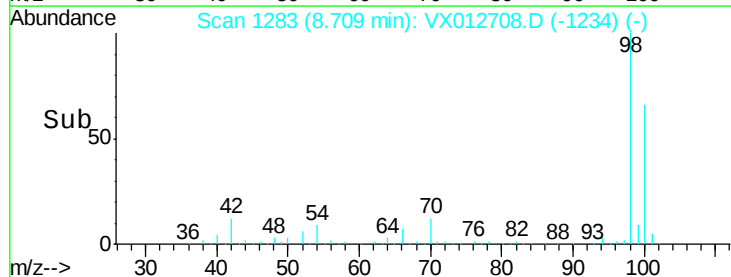
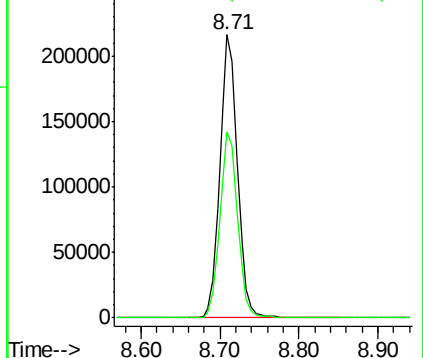
98 100

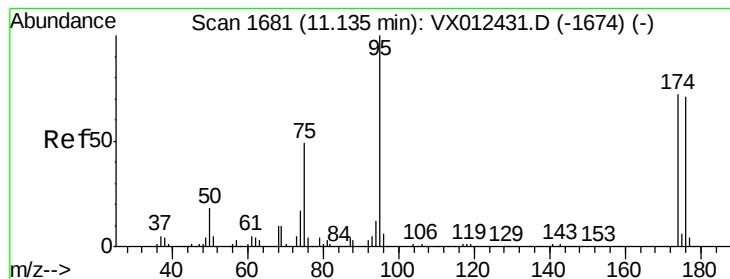
100 66.3 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 41.496 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012708.D

Acq: 30 Sep 2019 16:19

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ123I-20190926

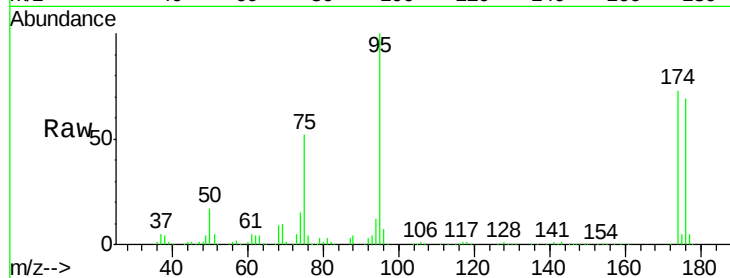
Tot Ion: 95 Resp: 106095

Ion Ratio Lower Upper

95 100

174 69.8 0.0 140.0

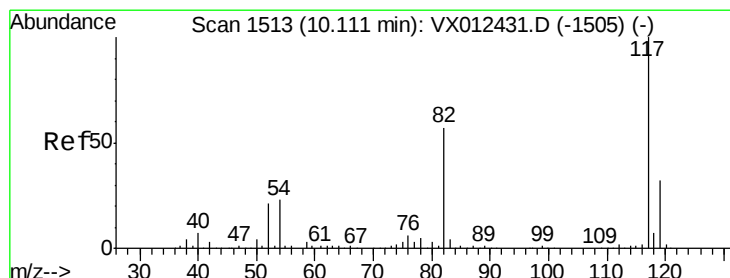
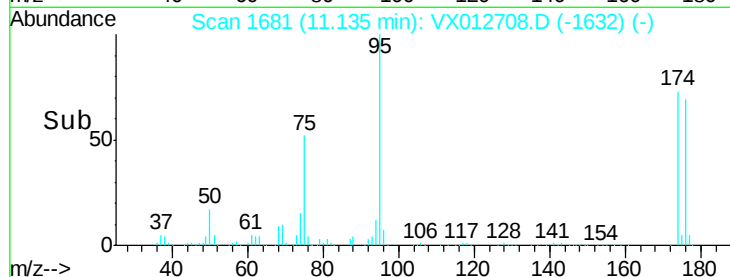
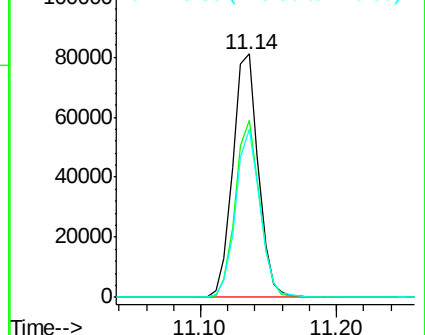
176 66.4 0.0 135.4



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: VX012708.D

Acq: 30 Sep 2019 16:19

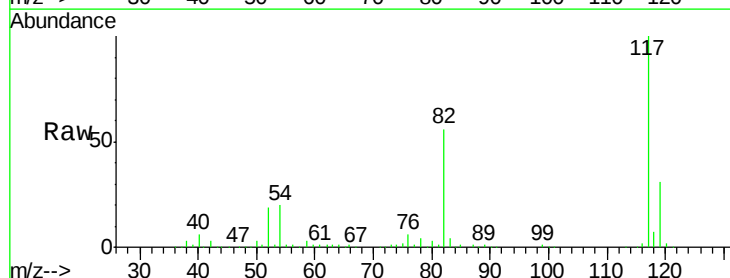
Tgt Ion: 117 Resp: 234184

Ion Ratio Lower Upper

117 100

82 56.4 45.9 68.9

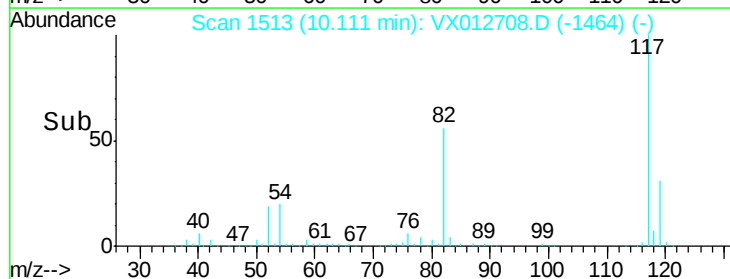
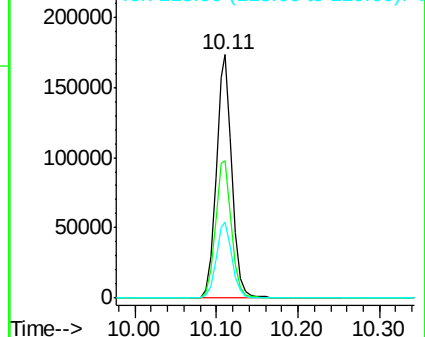
119 31.4 25.3 37.9

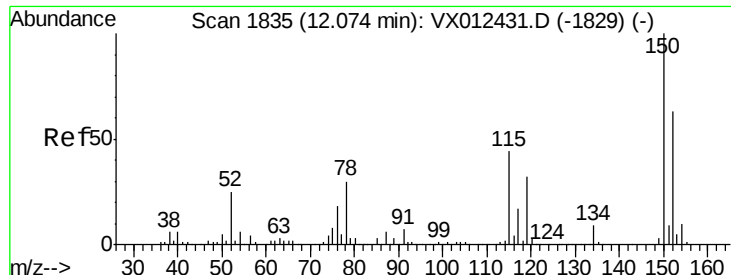


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

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: VX012708.D

Acq: 30 Sep 2019 16:19

Instrument :

MSVOA\_X

ClientSampleId :

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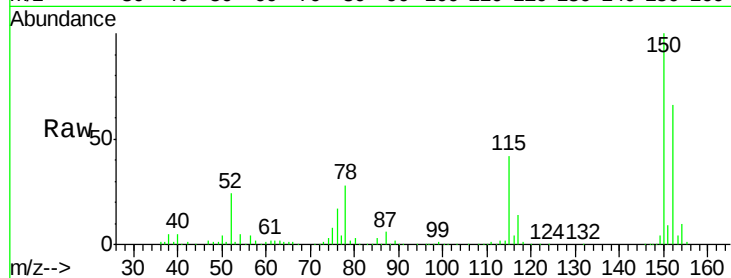
Tot Ion:152 Resp: 83995

Ion Ratio Lower Upper

152 100

115 64.3 44.1 132.3

150 153.0 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

