

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081219\  
 Data File : VX011518.D  
 Acq On : 13 Aug 2019 05:30  
 Operator : JC/SP  
 Sample : K4278-18  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 50 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0710

Quant Time: Aug 13 09:40:27 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

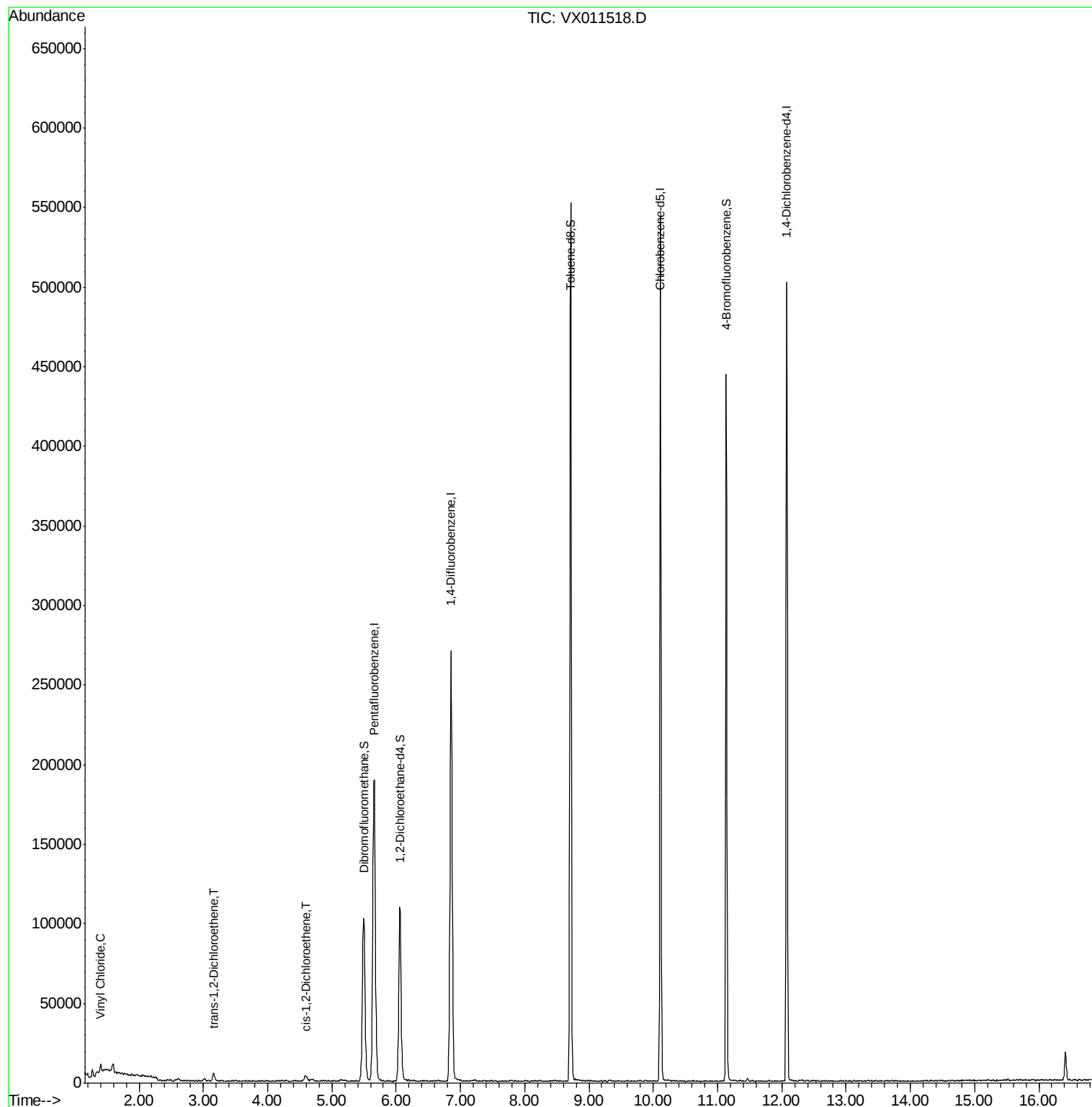
| Internal Standards           | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|------------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene        | 5.66  | 168  | 184396   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.85  | 114  | 276837   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5         | 10.11 | 117  | 248000   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.08 | 152  | 110242   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds  |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4    | 6.06  | 65   | 103835   | 55.92 | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =     | 111.84% |          |
| 35) Dibromofluoromethane     | 5.49  | 113  | 86948    | 48.11 | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =     | 96.22%  |          |
| 50) Toluene-d8               | 8.71  | 98   | 323019   | 47.35 | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =     | 94.70%  |          |
| 62) 4-Bromofluorobenzene     | 11.13 | 95   | 106182   | 43.59 | ug/l    | 0.00     |
| Spiked Amount 50.000         |       |      | Recovery | =     | 87.18%  |          |
| Target Compounds             |       |      |          |       |         |          |
| 4) Vinyl Chloride            | 1.40  | 62   | 3043     | 1.730 | ug/l    | 89       |
| 21) trans-1,2-Dichloroethene | 3.16  | 96   | 2229     | 1.256 | ug/l    | 94       |
| 27) cis-1,2-Dichloroethene   | 4.59  | 96   | 2255     | 1.103 | ug/l    | 92       |

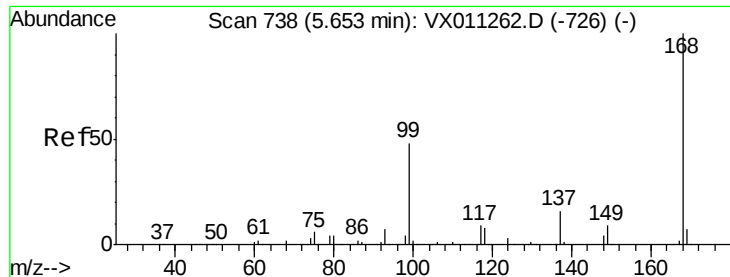
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081219\  
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ALS Vial : 50 Sample Multiplier: 1

Instrument :  
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ClientSampleId :  
Z3-0710

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 02 01:55:00 2019  
Response via : Initial Calibration

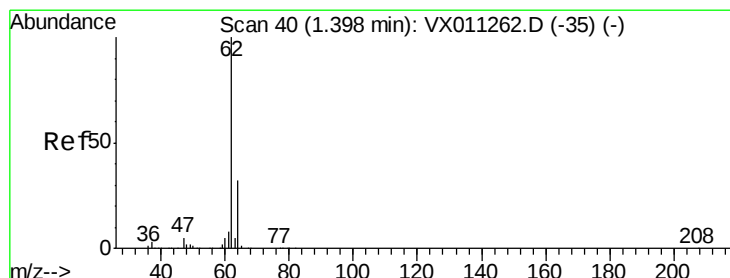
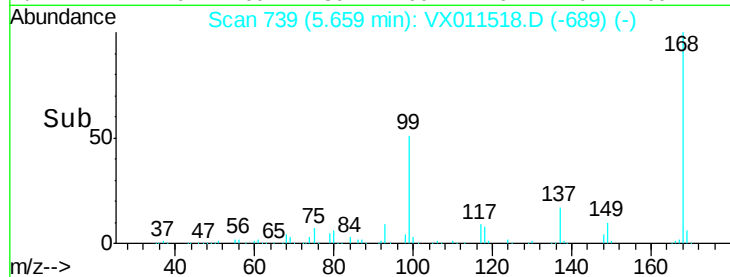
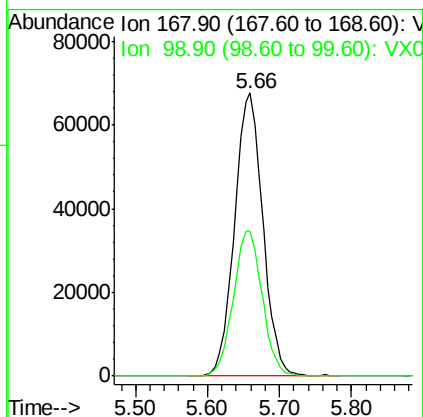
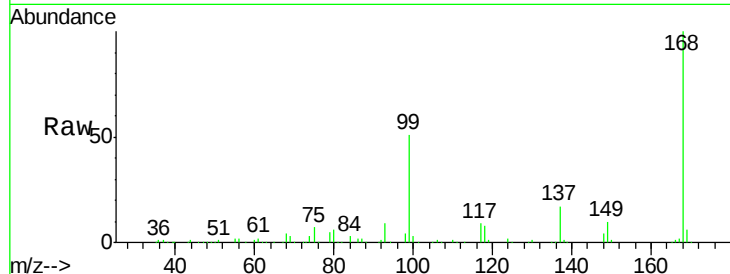




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.66 min Scan# 739  
Delta R.T. 0.01 min  
Lab File: VX011518.D  
Acq: 13 Aug 2019 05:30

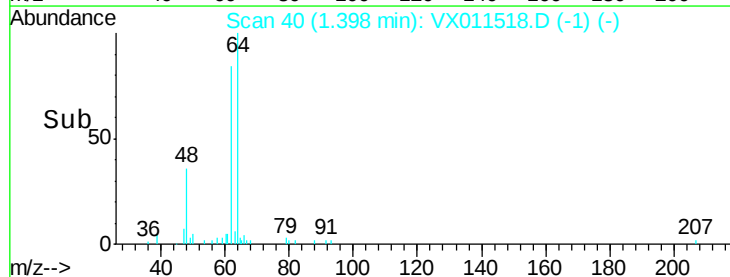
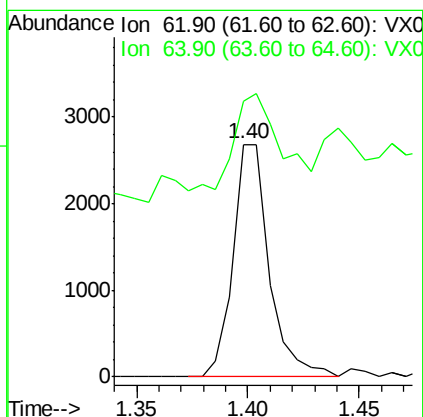
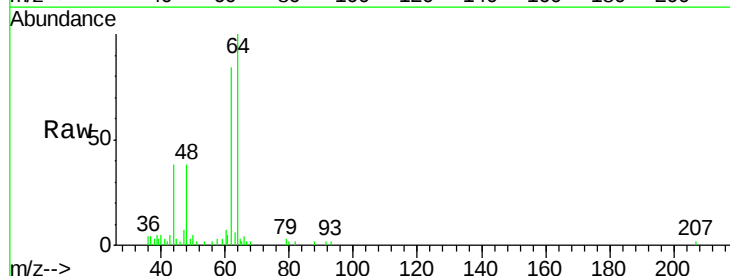
Instrument :  
MSVOA\_X  
ClientSampleId :  
Z3-0710

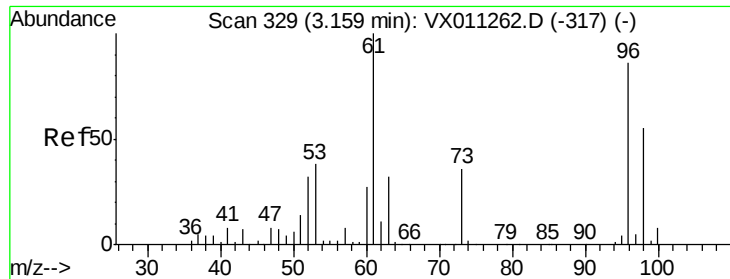
Tot Ion:168 Resp: 184396  
Ion Ratio Lower Upper  
168 100  
99 51.3 38.5 57.7



#4  
Vinyl Chloride  
Concen: 1.730 ug/l  
RT: 1.40 min Scan# 40  
Delta R.T. 0.00 min  
Lab File: VX011518.D  
Acq: 13 Aug 2019 05:30

Tgt Ion: 62 Resp: 3043  
Ion Ratio Lower Upper  
62 100  
64 38.8 26.0 39.0





#21

trans-1,2-Dichloroethene

Concen: 1.256 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0710

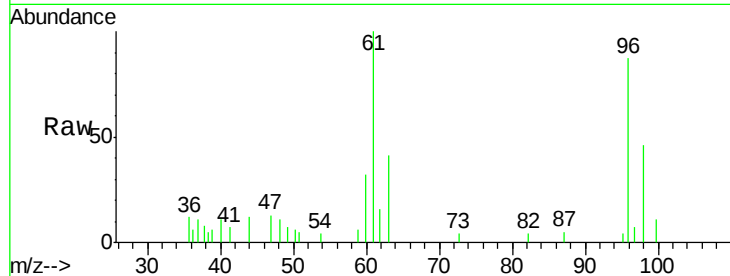
Tot Ion: 96 Resp: 2229

Ion Ratio Lower Upper

96 100

61 114.7 92.8 139.2

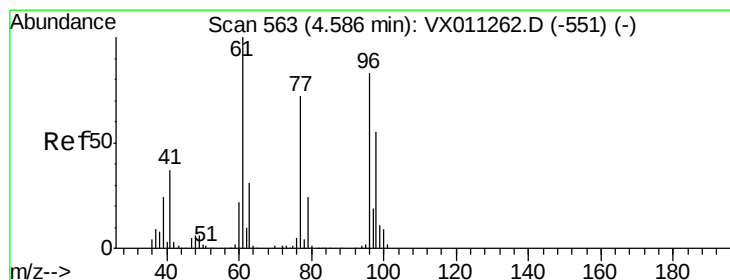
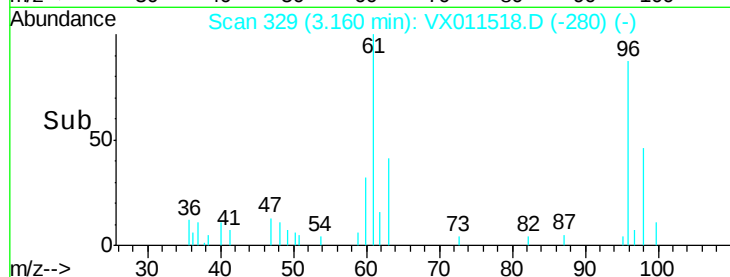
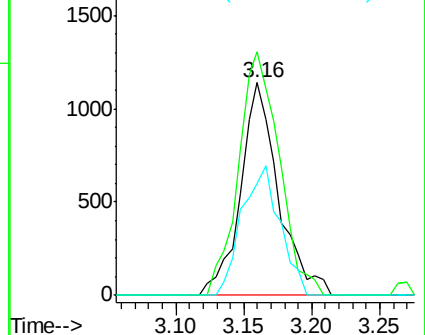
98 52.4 51.2 76.8



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



#27

cis-1,2-Dichloroethene

Concen: 1.103 ug/l

RT: 4.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

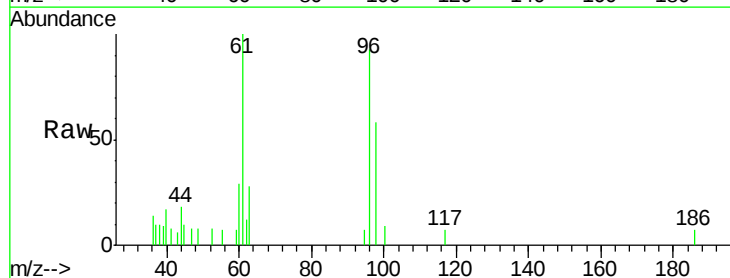
Tgt Ion: 96 Resp: 2255

Ion Ratio Lower Upper

96 100

61 117.5 0.0 260.2

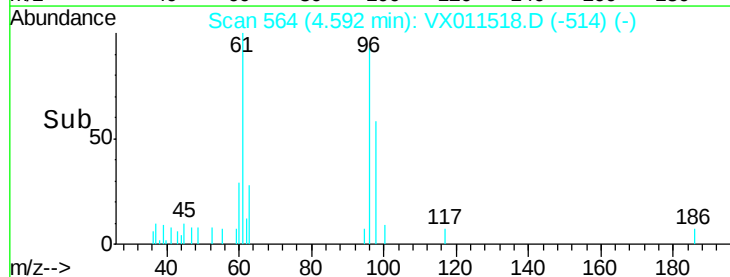
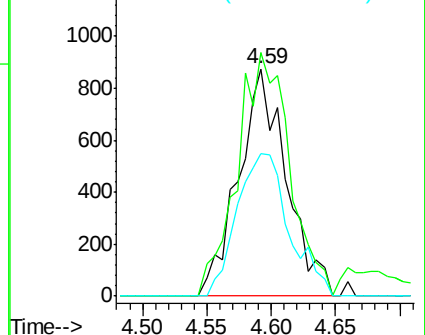
98 68.1 0.0 133.2

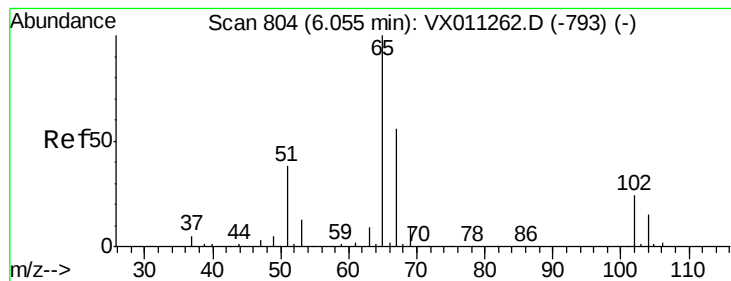


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





#33

1,2-Dichloroethane-d4

Concen: 55.916 ug/l

RT: 6.06 min Scan# 804

Delta R.T. 0.00 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA\_X

ClientSampleId :

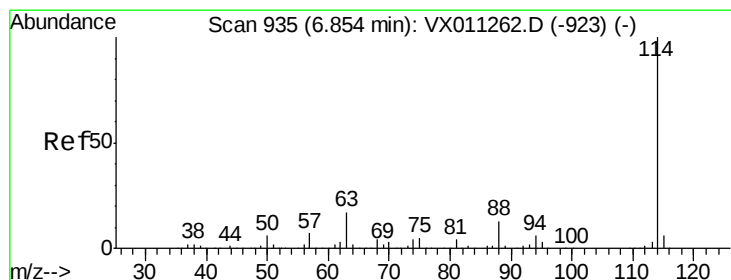
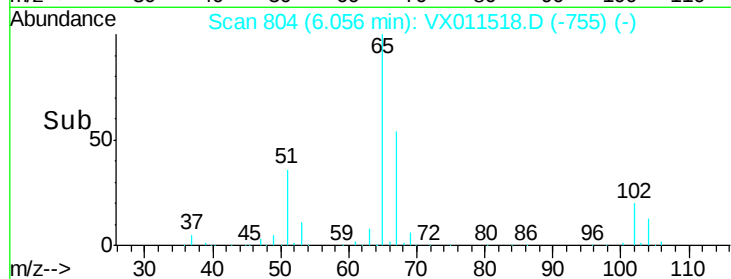
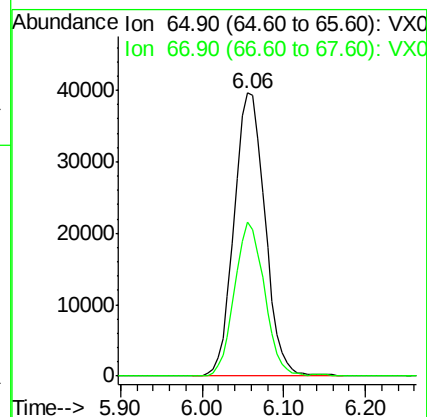
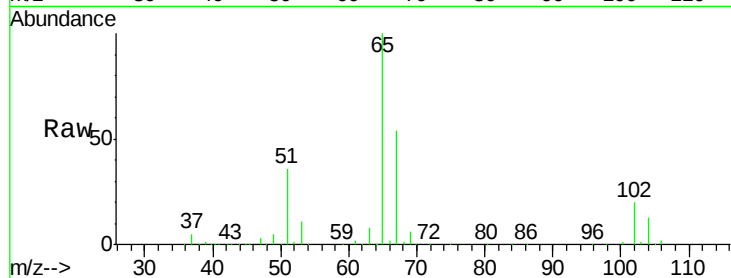
Z3-0710

Tot Ion: 65 Resp: 103835

Ion Ratio Lower Upper

65 100

67 52.6 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

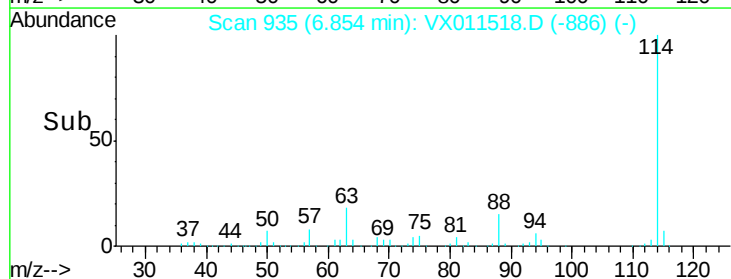
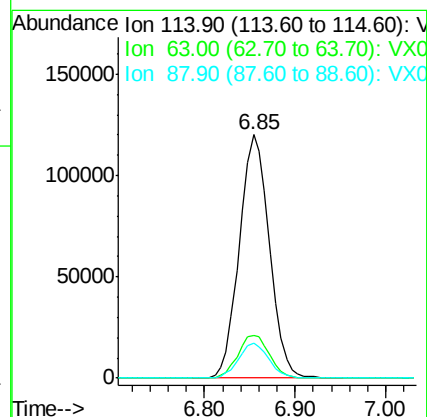
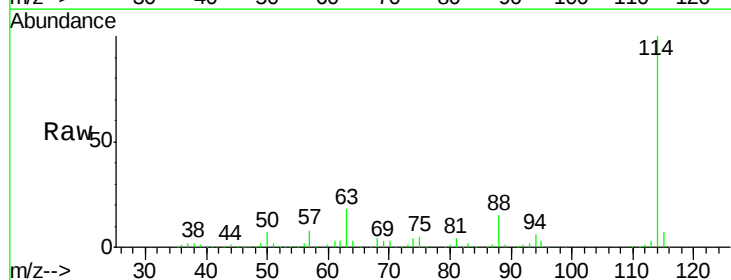
Tgt Ion: 114 Resp: 276837

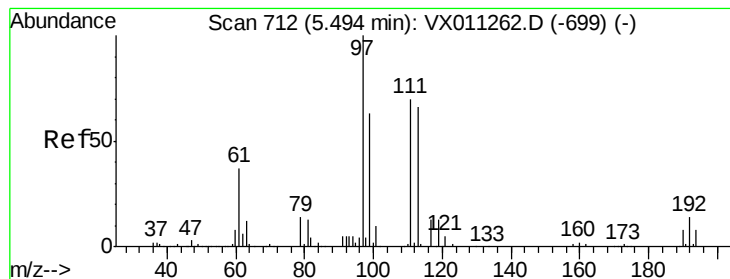
Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.0

88 14.6 0.0 26.4





#35

Dibromofluoromethane

Concen: 48.106 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX011518.D

Acq: 13 Aug 2019 05:30

Instrument :

MSVOA\_X

ClientSampleId :

Z3-0710

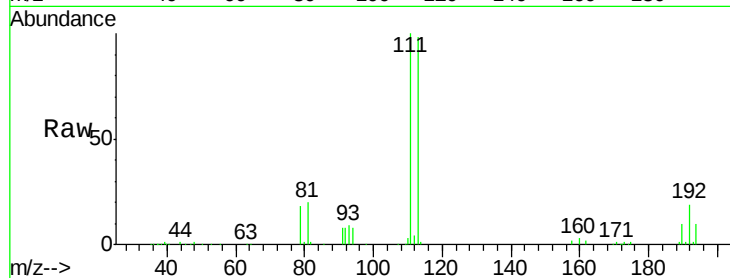
Tot Ion:113 Resp: 86948

Ion Ratio Lower Upper

113 100

111 101.2 81.9 122.9

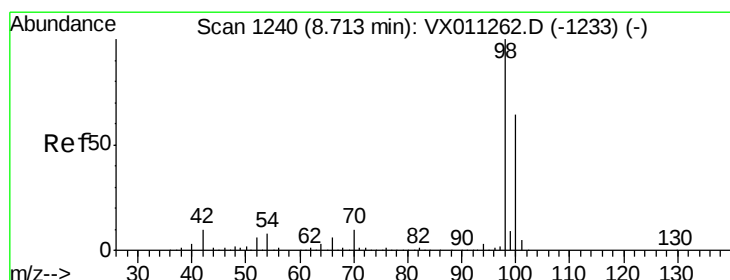
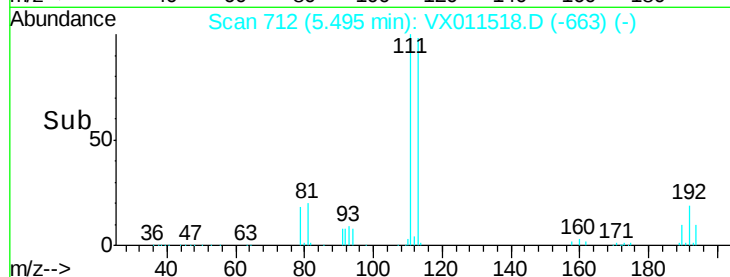
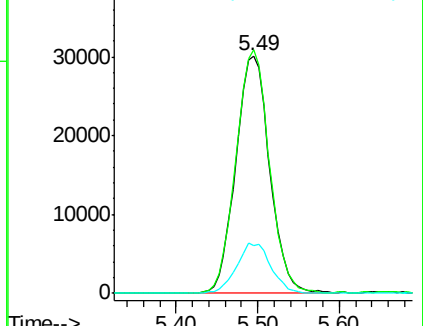
192 21.4 17.8 26.8



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: 47.347 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011518.D

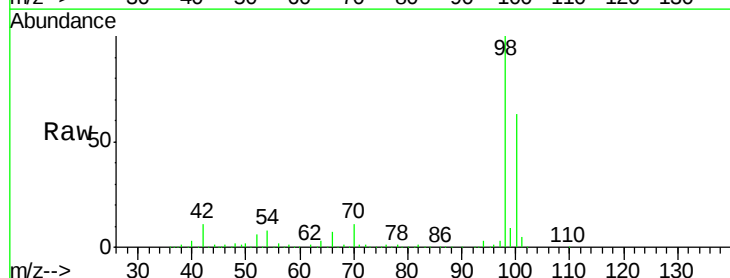
Acq: 13 Aug 2019 05:30

Tgt Ion: 98 Resp: 323019

Ion Ratio Lower Upper

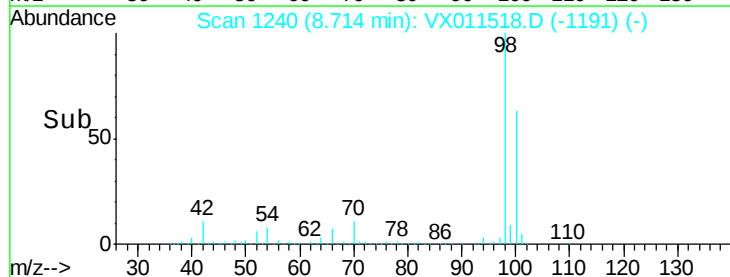
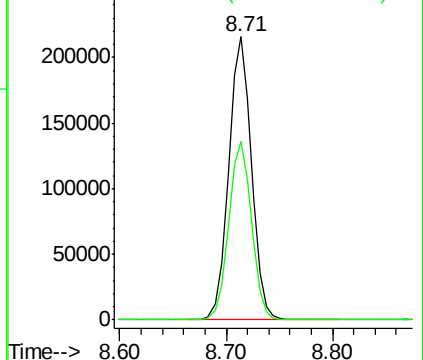
98 100

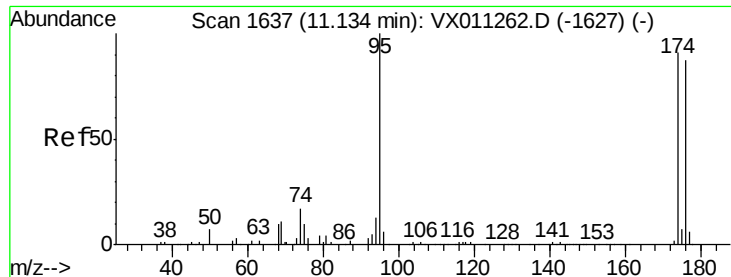
100 63.5 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

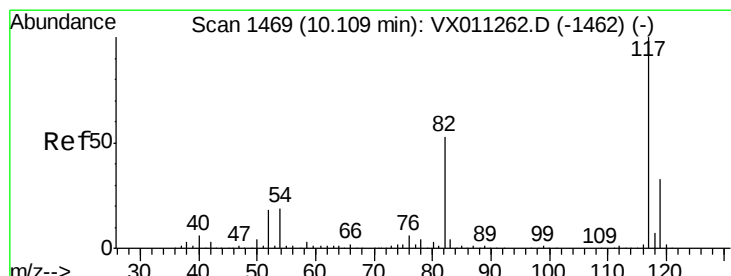
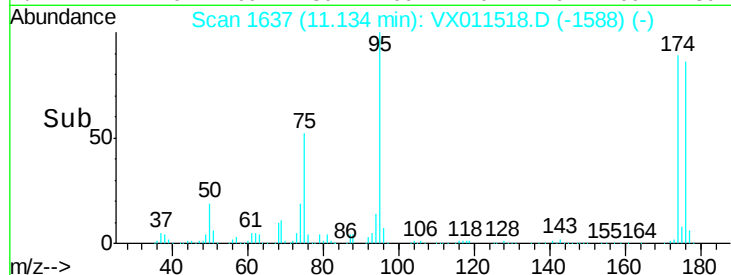
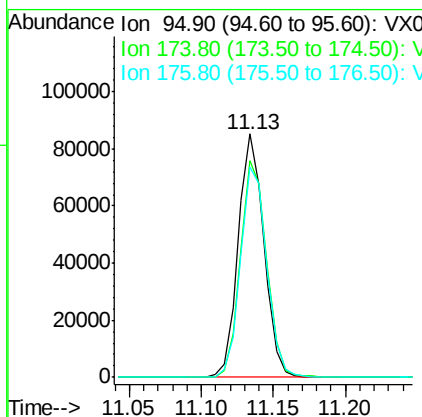
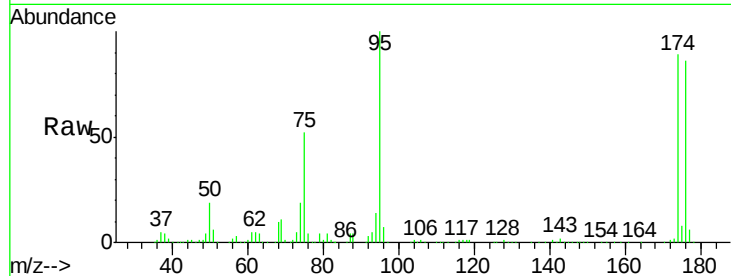




#62  
4-Bromofluorobenzene  
Concen: 43.592 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX011518.D  
Acq: 13 Aug 2019 05:30

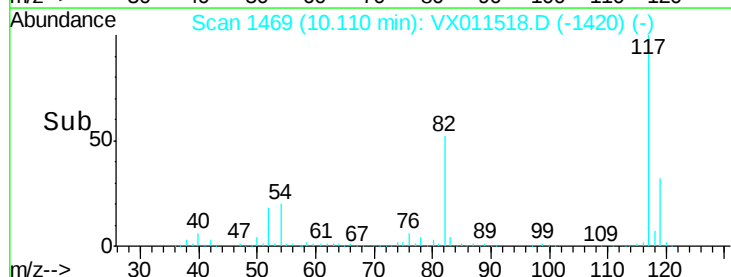
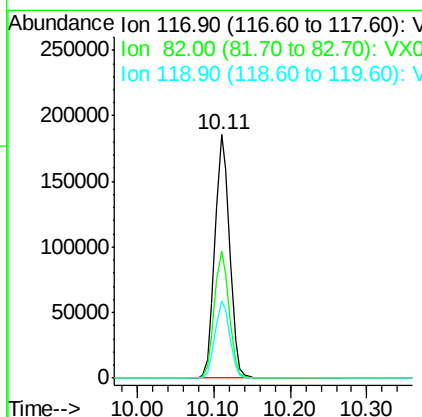
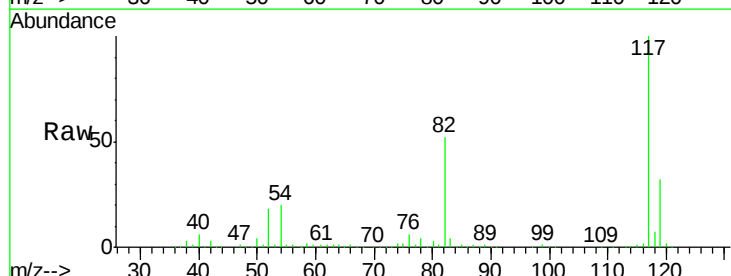
Instrument :  
MSVOA\_X  
ClientSampled :  
Z3-0710

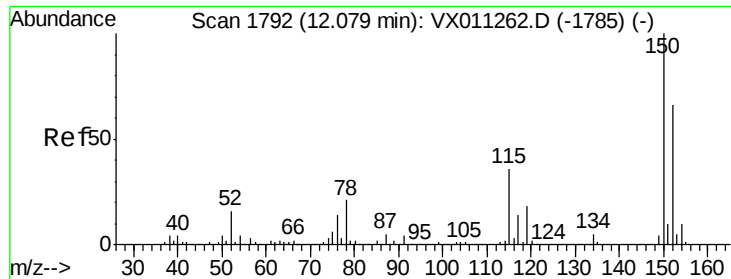
Tot Ion: 95 Resp: 106182  
Ion Ratio Lower Upper  
95 100  
174 89.9 0.0 191.2  
176 87.5 0.0 184.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX011518.D  
Acq: 13 Aug 2019 05:30

Tgt Ion: 117 Resp: 248000  
Ion Ratio Lower Upper  
117 100  
82 52.2 42.2 63.2  
119 32.0 26.6 39.8

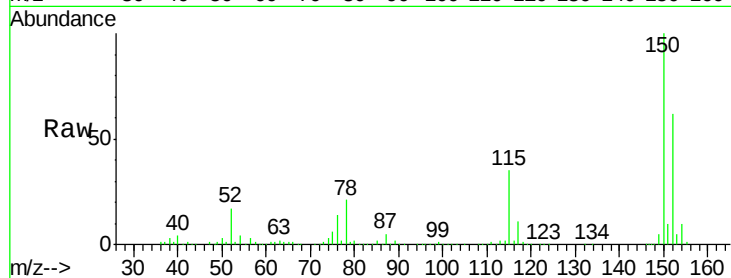




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.08 min Scan# 1792  
 Delta R.T. 0.00 min  
 Lab File: VX011518.D  
 Acq: 13 Aug 2019 05:30

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 Z3-0710

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.6  | 40.0  | 119.9 |
| 150     | 157.6 | 0.0   | 350.4 |



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

