

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050120\  
 Data File : VX016022.D  
 Acq On : 01 May 2020 19:18  
 Operator : JC/SP  
 Sample : L2469-10  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ192I-20200430

Quant Time: May 02 08:08:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 28 17:30:11 2020  
 Response via : Initial Calibration

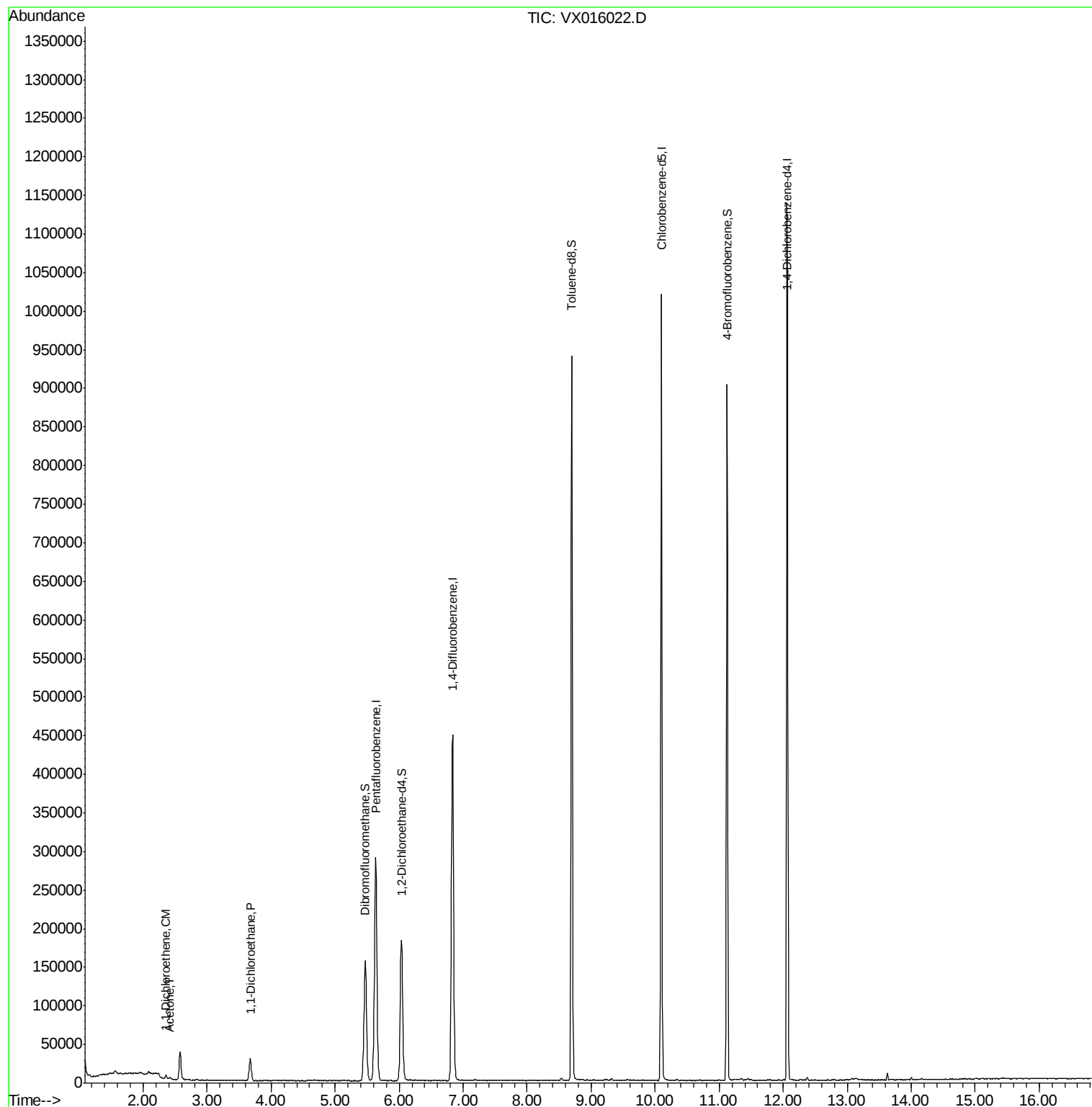
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.64  | 168  | 272869   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.84  | 114  | 445913   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.10 | 117  | 436224   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 226877   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.04  | 65   | 176941   | 49.60 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.20%  |          |
| 35) Dibromofluoromethane    | 5.47  | 113  | 134119   | 48.22 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.44%  |          |
| 50) Toluene-d8              | 8.70  | 98   | 546342   | 52.53 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 105.06% |          |
| 62) 4-Bromofluorobenzene    | 11.12 | 95   | 221066   | 54.19 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 108.38% |          |
| Target Compounds            |       |      |          |       |         |          |
| 12) 1,1-Dichloroethene      | 2.36  | 96   | 1454     | 0.557 | ug/l    | 95       |
| 16) Acetone                 | 2.42  | 43   | 2196     | 1.439 | ug/l #  | 86       |
| 24) 1,1-Dichloroethane      | 3.67  | 63   | 31339    | 6.078 | ug/l    | 100      |

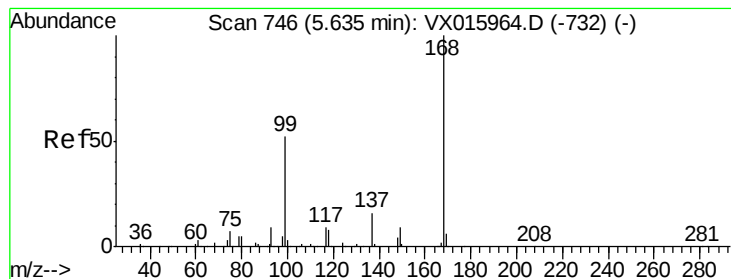
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX050120\  
Data File : VX016022.D  
Acq On : 01 May 2020 19:18  
Operator : JC/SP  
Sample : L2469-10  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SA-PZ192I-20200430

Quant Time: May 02 08:08:18 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X042820W.M  
Quant Title : SW846 8260  
QLast Update : Tue Apr 28 17:30:11 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.00 min

Lab File: VX016022.D

Acq: 01 May 2020 19:18

Instrument :

MSVOA\_X

ClientSampleId :

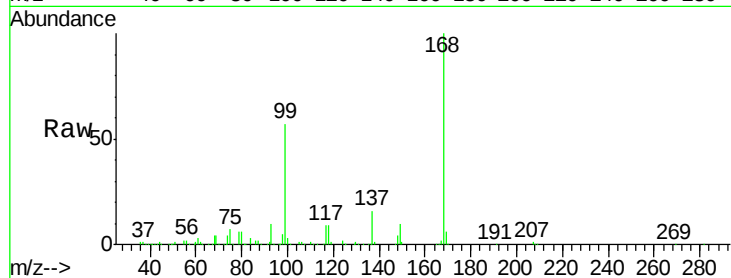
SA-PZ192I-20200430

Tot Ion:168 Resp: 272869

Ion Ratio Lower Upper

168 100

99 57.3 41.7 62.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

100000

80000

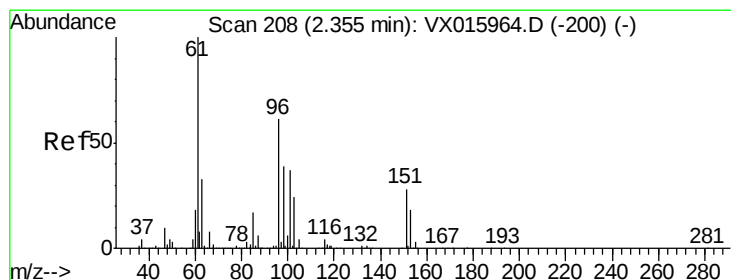
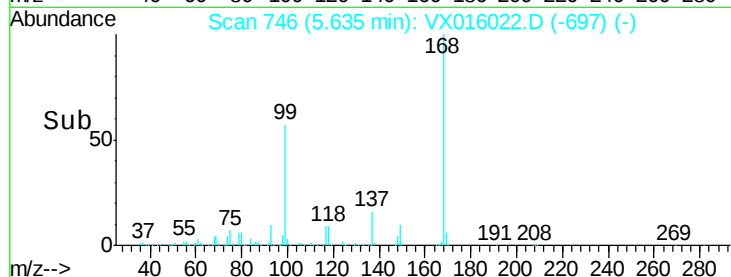
60000

40000

20000

0

Time-->



#12

1,1-Dichloroethene

Concen: 0.557 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016022.D

Acq: 01 May 2020 19:18

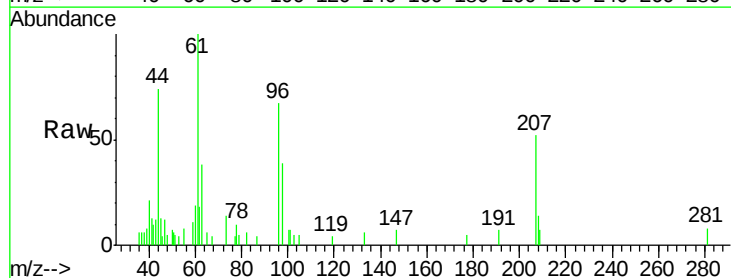
Tgt Ion: 96 Resp: 1454

Ion Ratio Lower Upper

96 100

61 154.6 131.0 196.4

98 62.6 50.7 76.1



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

2000

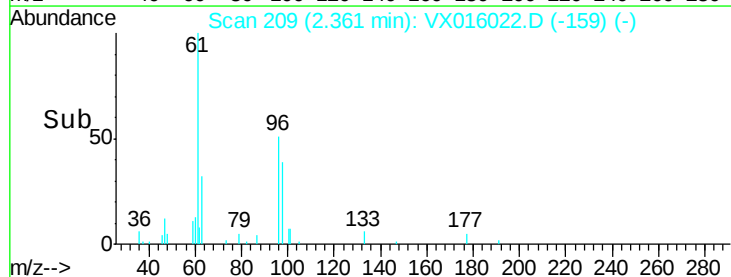
1500

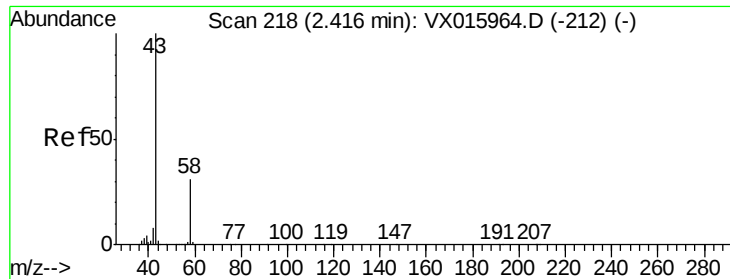
1000

500

0

Time-->





#16

Acetone

Concen: 1.439 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016022.D

Acq: 01 May 2020 19:18

Instrument :

MSVOA\_X

ClientSampleId :

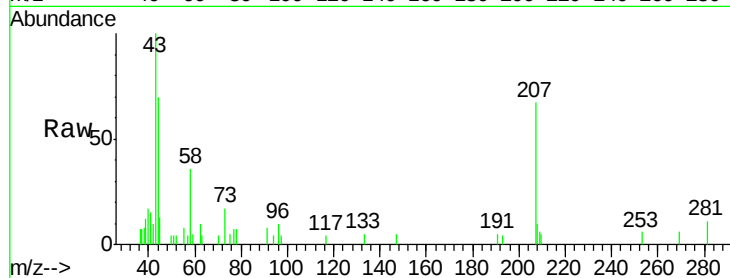
SA-PZ192I-20200430

Tot Ion: 43 Resp: 2196

Ion Ratio Lower Upper

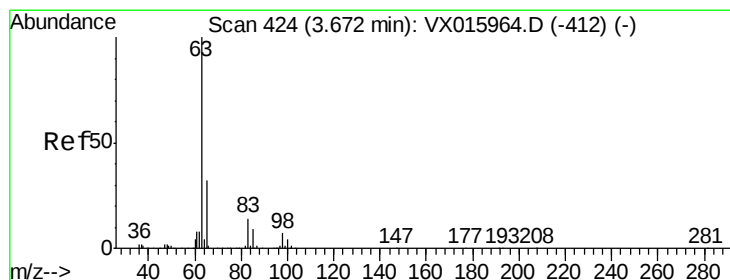
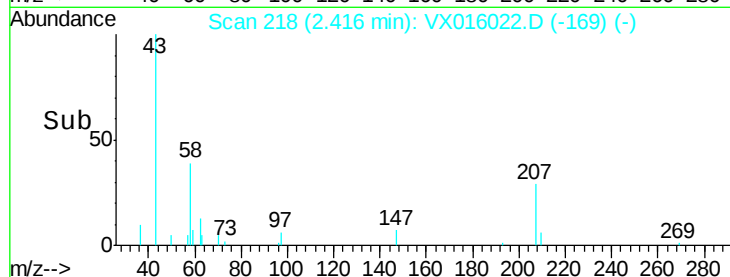
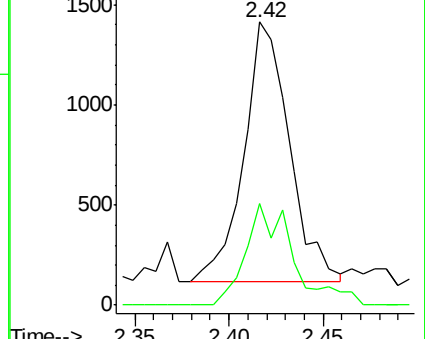
43 100

58 39.1 25.1 37.7#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#24

1,1-Dichloroethane

Concen: 6.078 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX016022.D

Acq: 01 May 2020 19:18

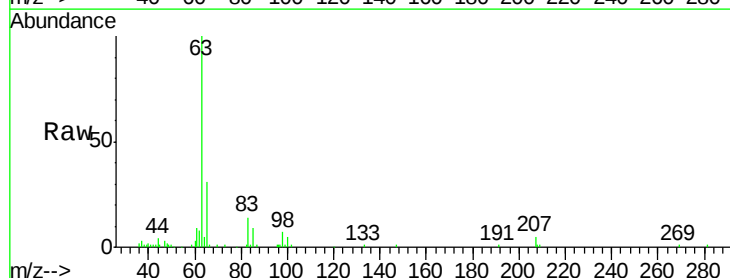
Tgt Ion: 63 Resp: 31339

Ion Ratio Lower Upper

63 100

98 7.1 3.6 10.8

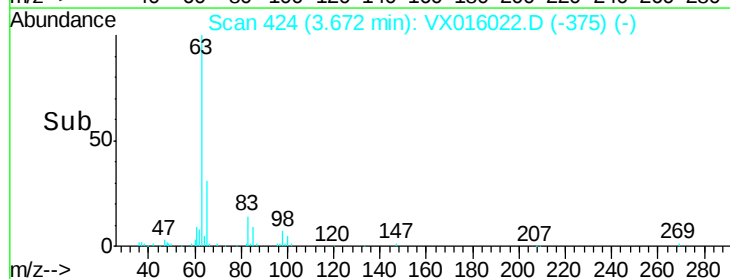
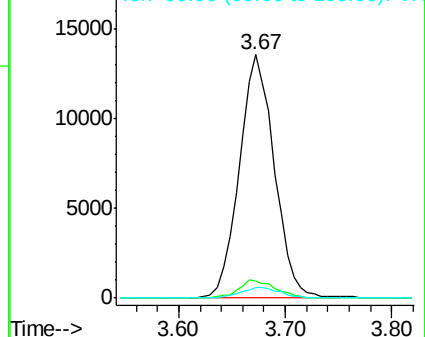
100 4.6 2.2 6.6

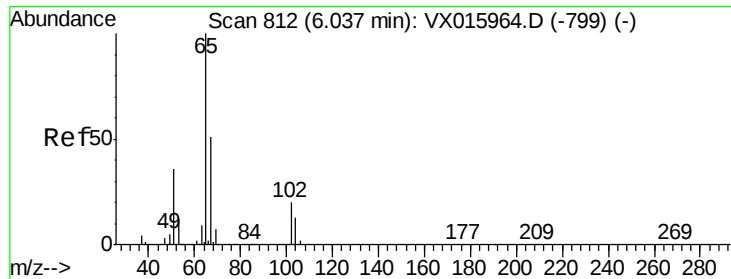


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

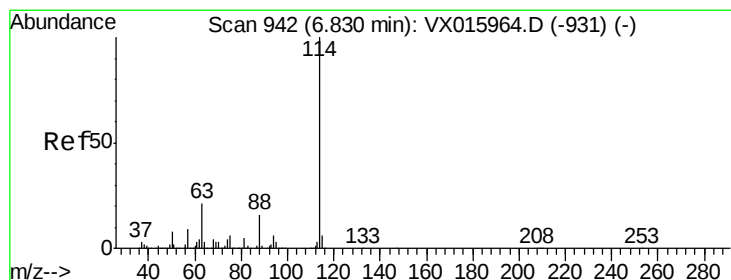
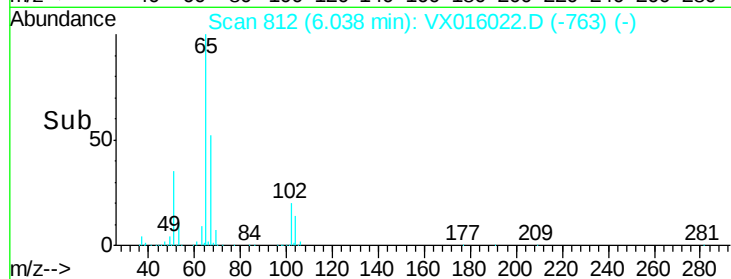
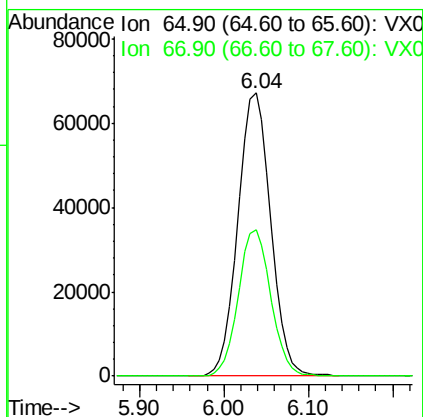
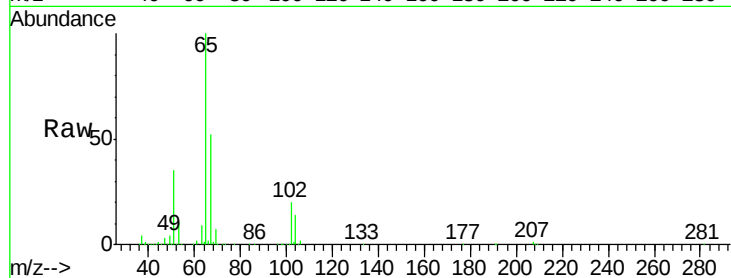




#33  
 1,2-Dichloroethane-d4  
 Concen: 49.596 ug/l  
 RT: 6.04 min Scan# 812  
 Delta R.T. 0.00 min  
 Lab File: VX016022.D  
 Acq: 01 May 2020 19:18

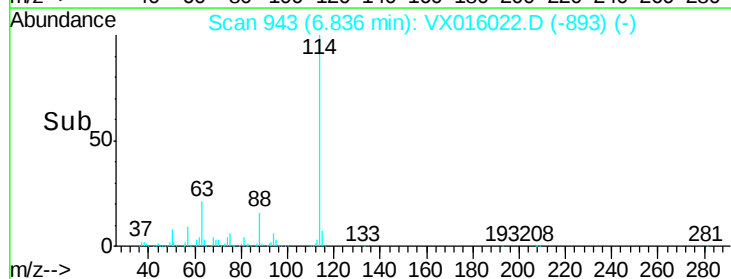
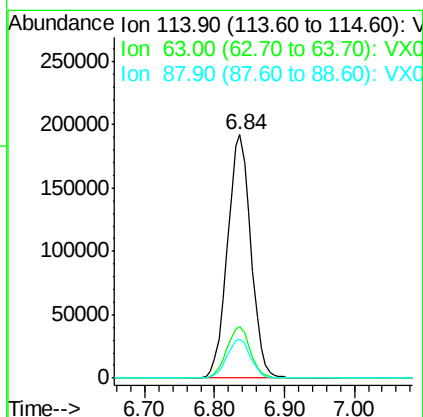
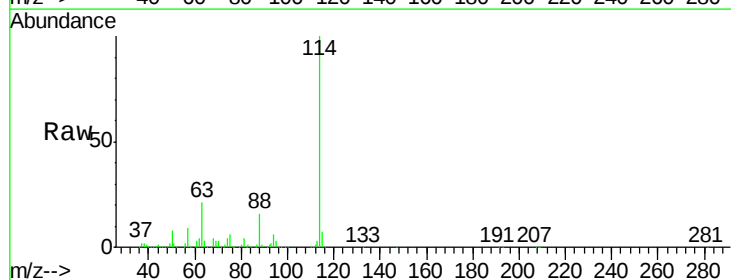
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ192I-20200430

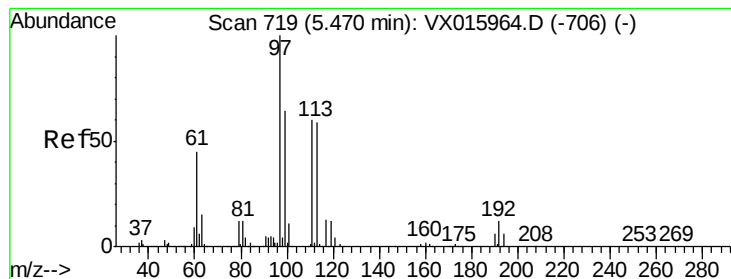
Tot Ion: 65 Resp: 176941  
 Ion Ratio Lower Upper  
 65 100  
 67 51.3 0.0 102.4



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.84 min Scan# 943  
 Delta R.T. 0.01 min  
 Lab File: VX016022.D  
 Acq: 01 May 2020 19:18

Tgt Ion: 114 Resp: 445913  
 Ion Ratio Lower Upper  
 114 100  
 63 21.0 0.0 41.2  
 88 16.1 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.216 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX016022.D

Acq: 01 May 2020 19:18

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ192I-20200430

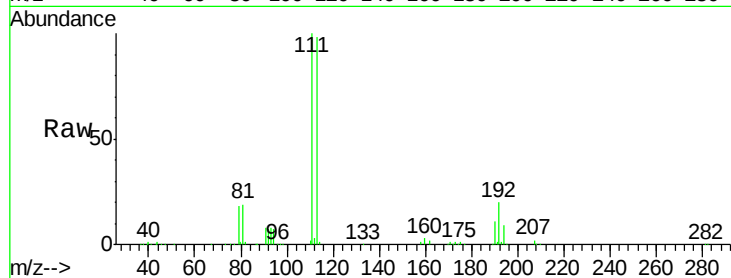
Tot Ion:113 Resp: 134119

Ion Ratio Lower Upper

113 100

111 102.5 81.8 122.8

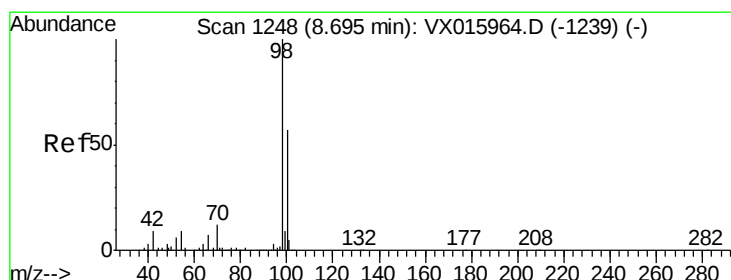
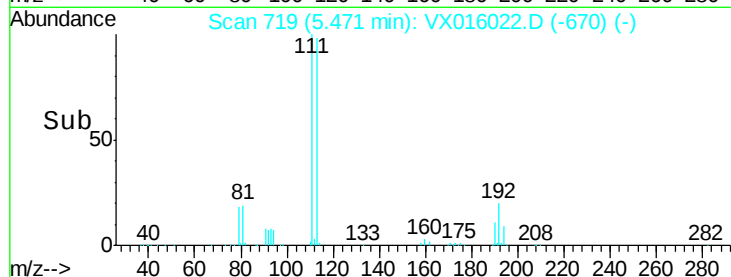
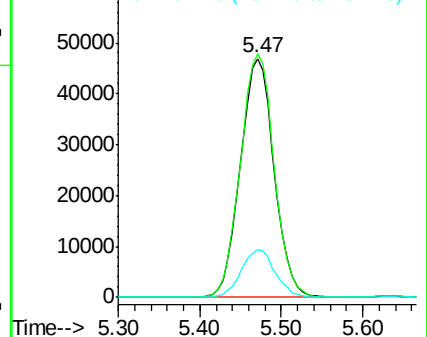
192 20.2 16.8 25.2



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: 52.532 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016022.D

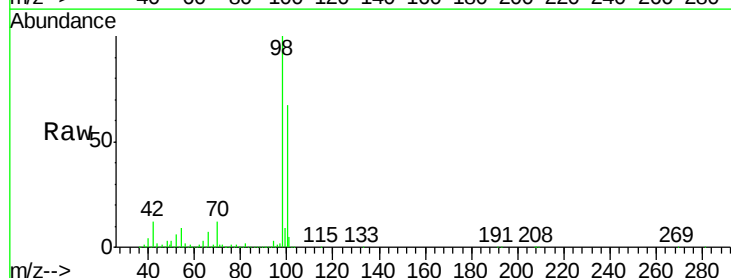
Acq: 01 May 2020 19:18

Tgt Ion: 98 Resp: 546342

Ion Ratio Lower Upper

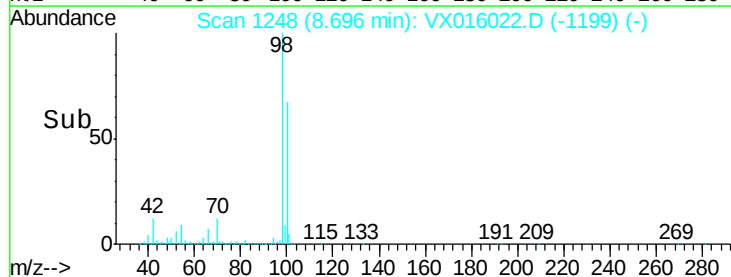
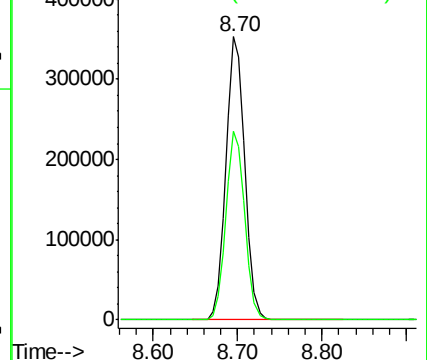
98 100

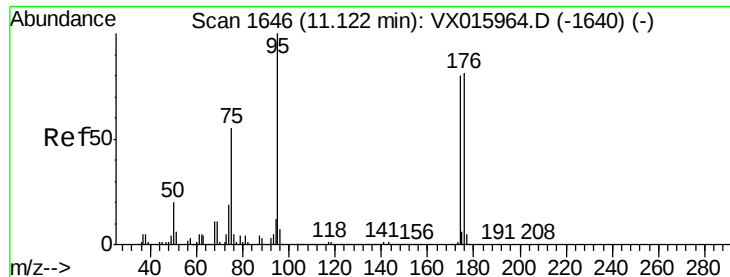
100 66.5 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 54.194 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016022.D

Acq: 01 May 2020 19:18

Instrument :

MSVOA\_X

ClientSampleId :

SA-PZ192I-20200430

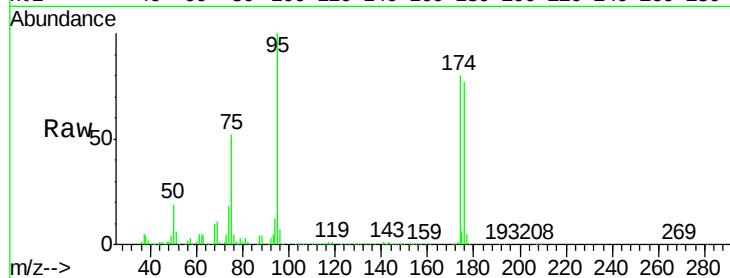
Tot Ion: 95 Resp: 221066

Ion Ratio Lower Upper

95 100

174 80.3 0.0 165.0

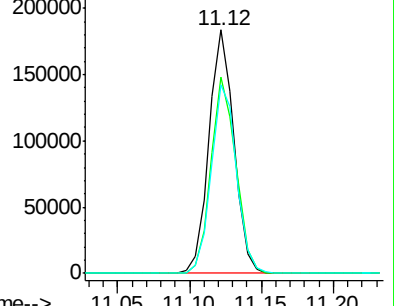
176 78.1 0.0 163.2



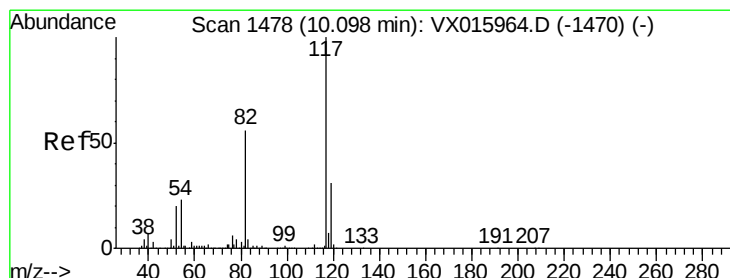
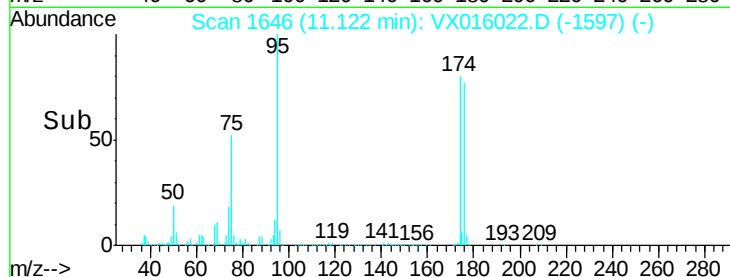
Abundance Ion 94.90 (94.60 to 95.60): VX015964.D (-1640) (-)

Ion 173.80 (173.50 to 174.50): VX015964.D (-1640) (-)

Ion 175.80 (175.50 to 176.50): VX015964.D (-1640) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX016022.D

Acq: 01 May 2020 19:18

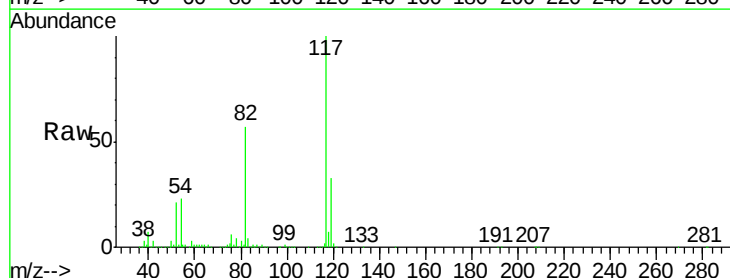
Tgt Ion: 117 Resp: 436224

Ion Ratio Lower Upper

117 100

82 57.3 44.5 66.7

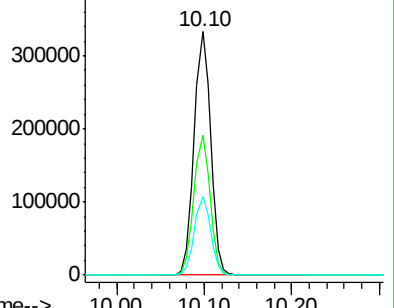
119 32.5 25.0 37.6



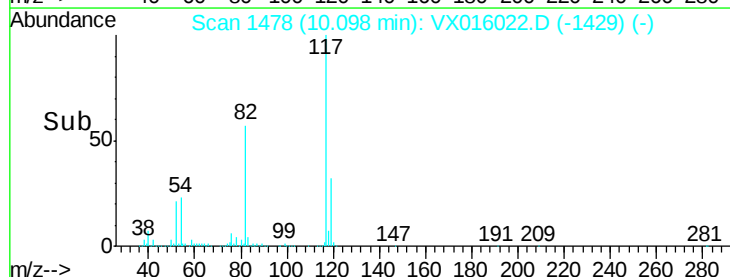
Abundance Ion 116.90 (116.60 to 117.60): VX015964.D (-1470) (-)

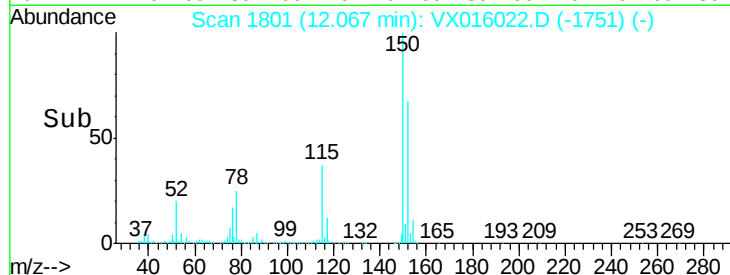
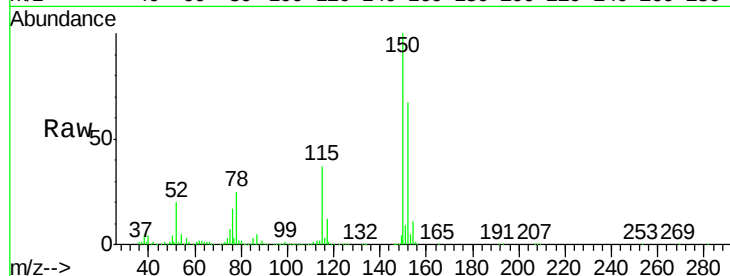
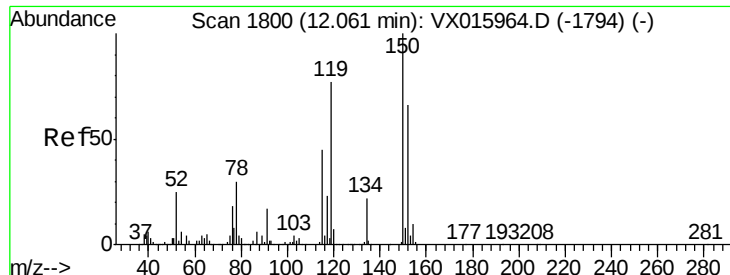
Ion 82.00 (81.70 to 82.70): VX015964.D (-1470) (-)

Ion 118.90 (118.60 to 119.60): VX015964.D (-1470) (-)



Time-->





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 12.07 min Scan# 1801  
 Delta R.T. 0.01 min  
 Lab File: VX016022.D  
 Acq: 01 May 2020 19:18

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SA-PZ192I-20200430

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.2  | 40.9  | 122.7 |
| 150     | 157.7 | 0.0   | 342.4 |

