

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062220\  
 Data File : VX016923.D  
 Acq On : 22 Jun 2020 16:23  
 Operator : JC/SP  
 Sample : VX0622WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0622WBL01

Quant Time: Jun 23 08:04:57 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X061820W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 19 12:07:48 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.62  | 168  | 375362   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 531804   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 529601   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 268630   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 207047   | 45.86 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 91.72%  |      |
| 35) Dibromofluoromethane    | 5.46   | 113 | 185439   | 54.51 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 109.02% |      |
| 50) Toluene-d8              | 8.70   | 98  | 750925   | 55.17 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.34% |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 267950   | 51.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.76% |      |

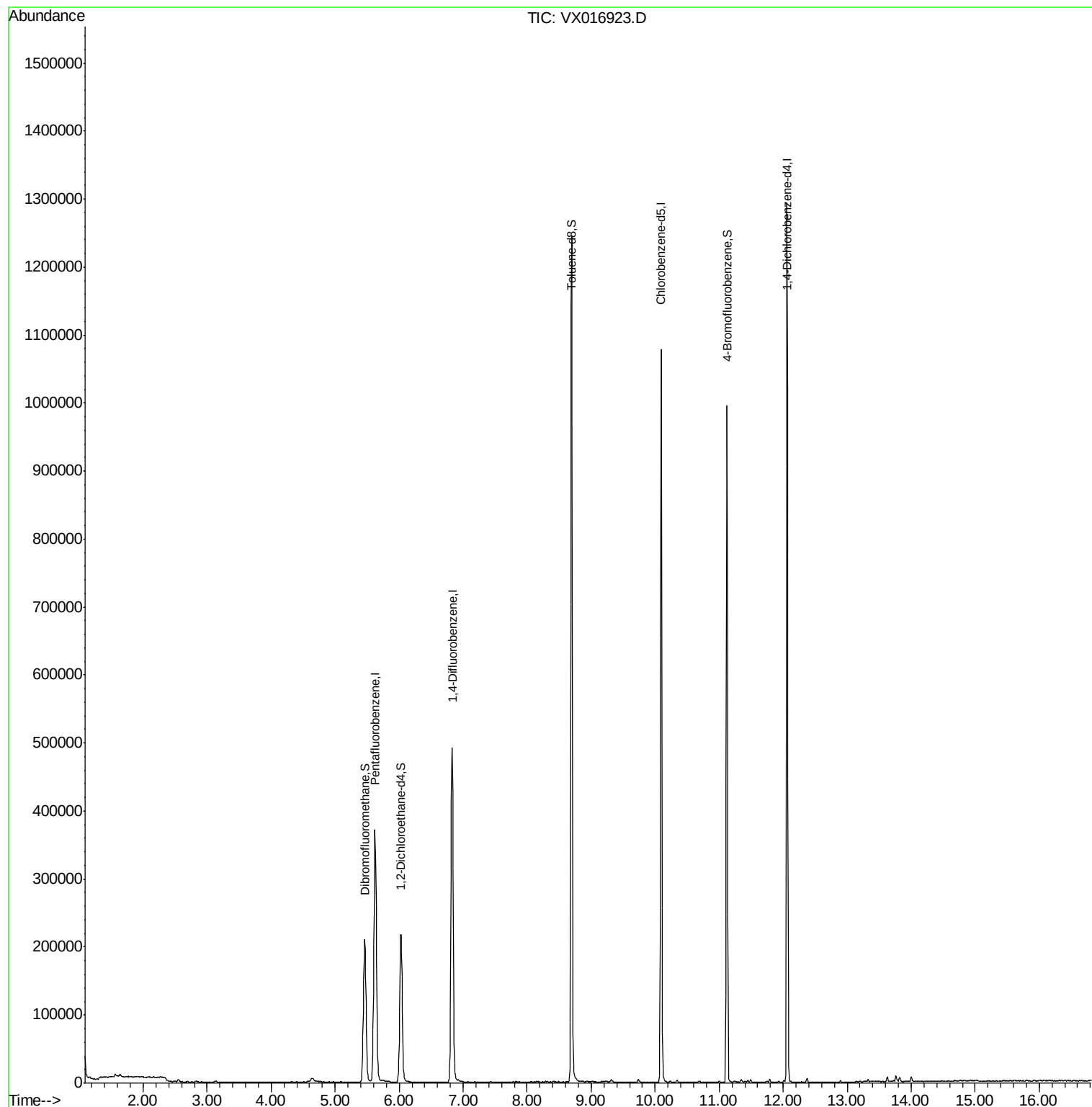
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

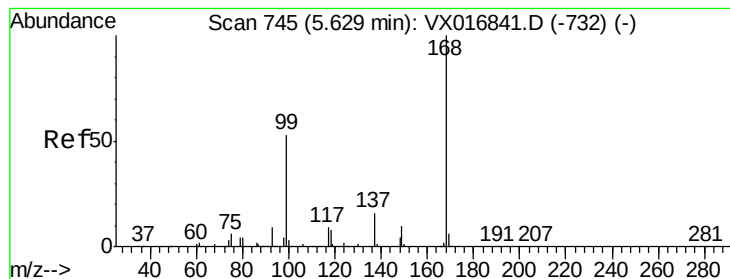
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
VX0622WBL01

Quant Time: Jun 23 08:04:57 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X061820W.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 19 12:07:48 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA\_X

ClientSampleId :

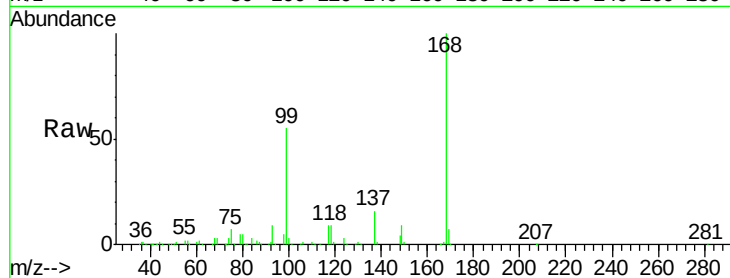
VX0622WBL01

Tot Ion:168 Resp: 375362

Ion Ratio Lower Upper

168 100

99 54.7 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

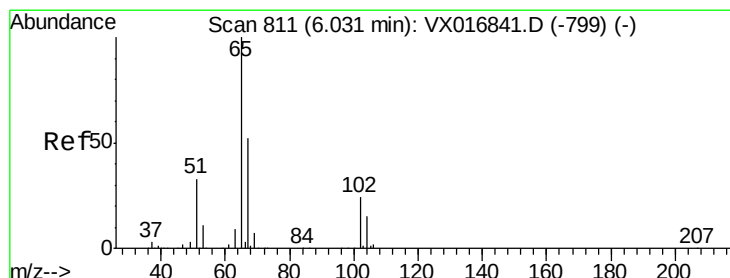
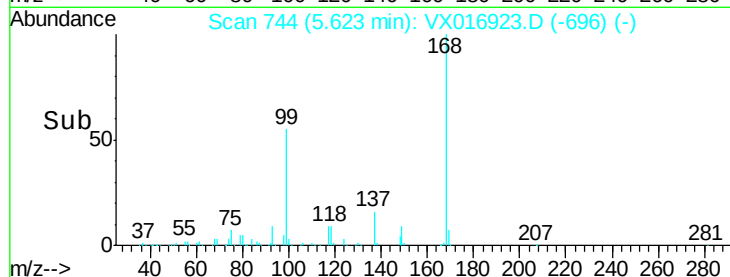
150000

100000

50000

0

Time-->



#33

1,2-Dichloroethane-d4

Concen: 45.864 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX016923.D

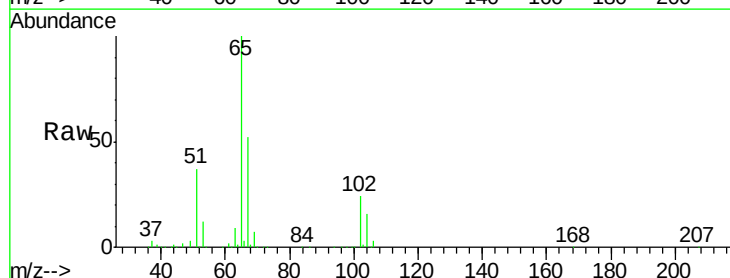
Acq: 22 Jun 2020 16:23

Tgt Ion: 65 Resp: 207047

Ion Ratio Lower Upper

65 100

67 54.2 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

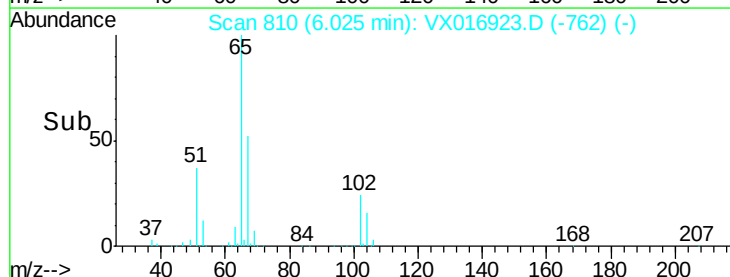
60000

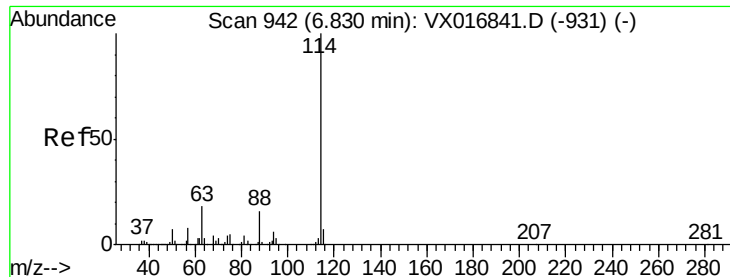
40000

20000

0

Time-->





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA\_X

ClientSampleId :

VX0622WBL01

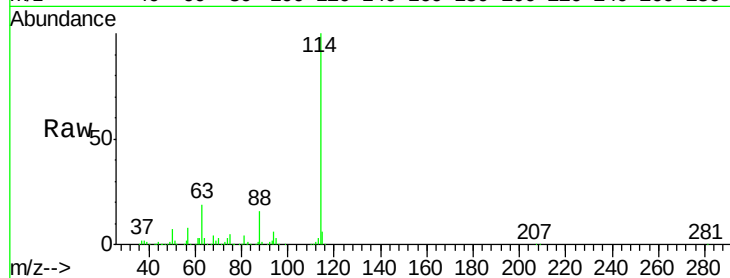
Tot Ion:114 Resp: 531804

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.0

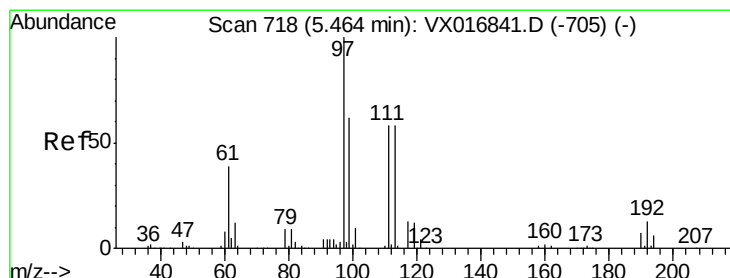
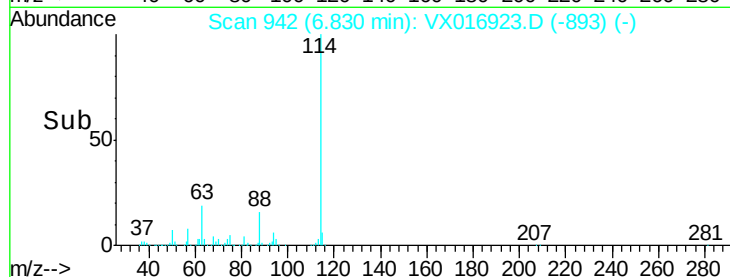
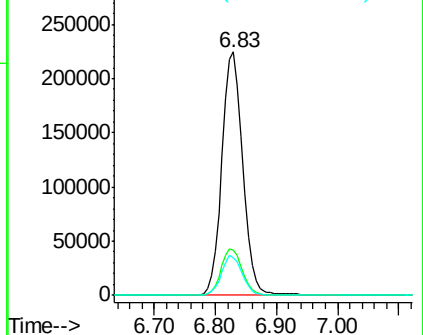
88 15.6 0.0 32.0



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: 54.510 ug/l

RT: 5.46 min Scan# 717

Delta R.T. -0.01 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

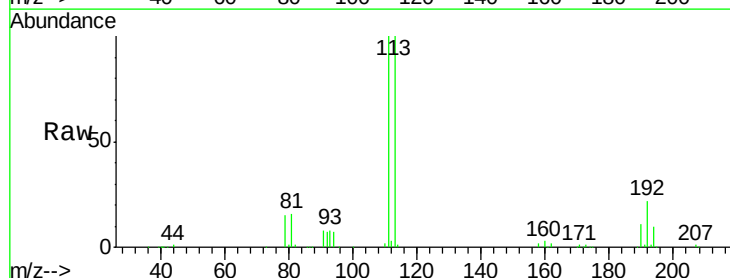
Tgt Ion:113 Resp: 185439

Ion Ratio Lower Upper

113 100

111 102.2 81.0 121.4

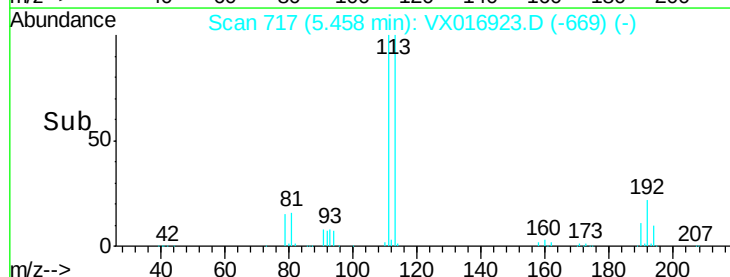
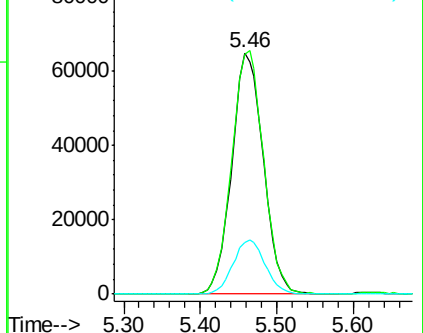
192 22.8 18.5 27.7

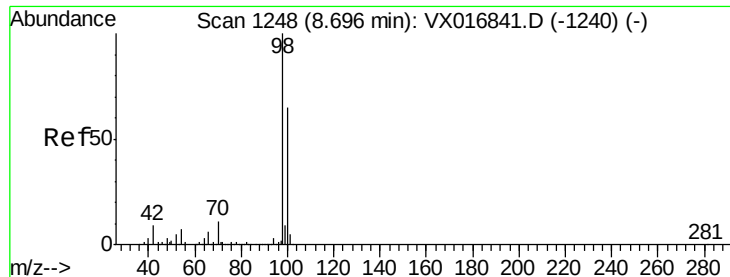


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 55.171 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

Instrument :

MSVOA\_X

ClientSampleId :

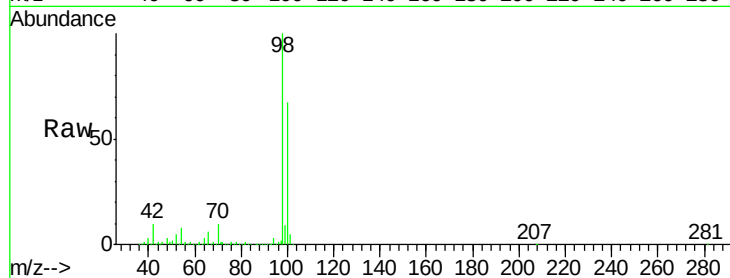
VX0622WBL01

Tot Ion: 98 Resp: 750925

Ion Ratio Lower Upper

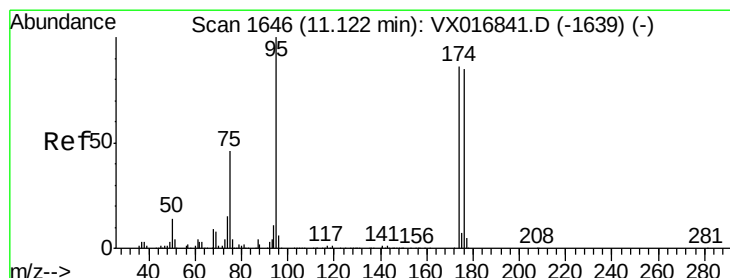
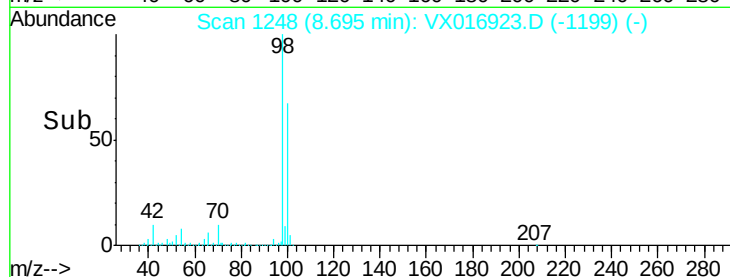
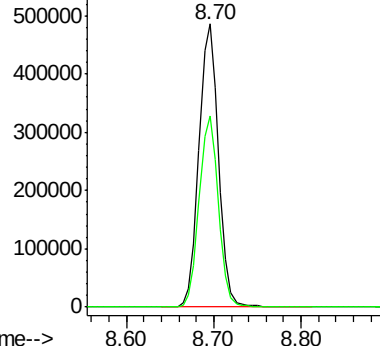
98 100

100 67.0 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 51.382 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016923.D

Acq: 22 Jun 2020 16:23

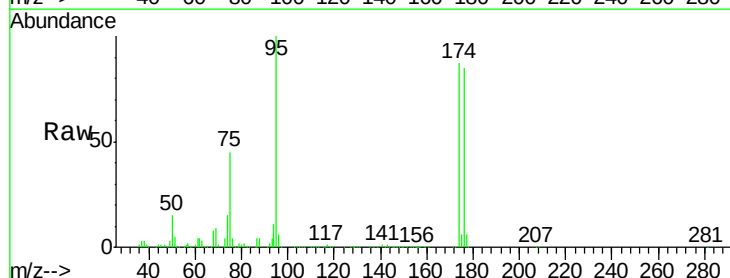
Tgt Ion: 95 Resp: 267950

Ion Ratio Lower Upper

95 100

174 85.1 0.0 174.2

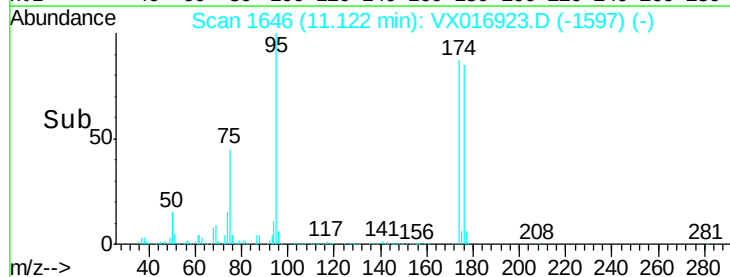
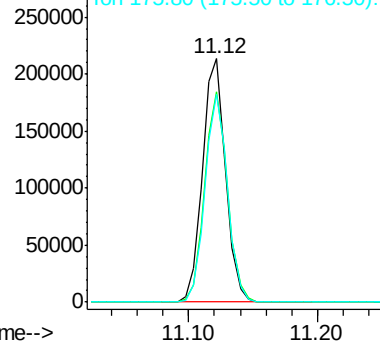
176 83.4 0.0 170.0

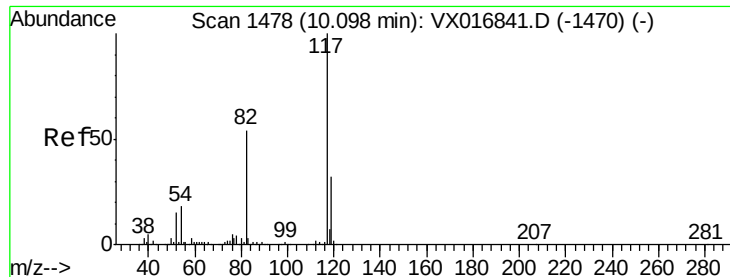


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

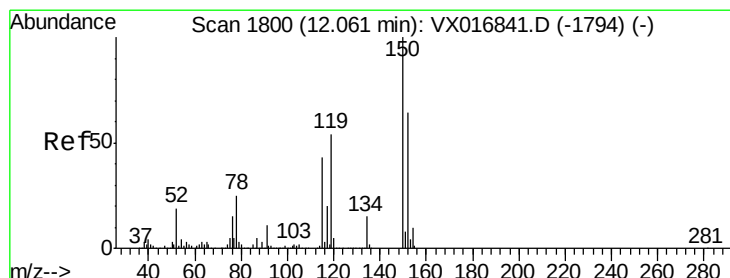
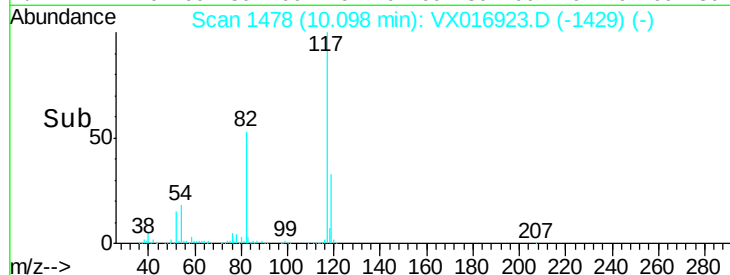
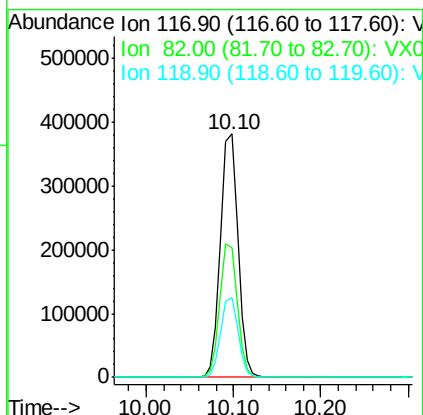
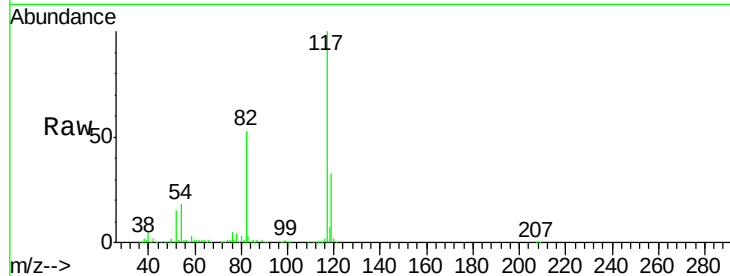




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX016923.D  
Acq: 22 Jun 2020 16:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0622WBL01

Tot Ion:117 Resp: 529601  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.4 65.0  
119 32.8 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.06 min Scan# 1800  
Delta R.T. -0.00 min  
Lab File: VX016923.D  
Acq: 22 Jun 2020 16:23

Tgt Ion:152 Resp: 268630  
Ion Ratio Lower Upper  
152 100  
115 57.7 40.9 122.8  
150 155.9 0.0 344.2

