

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\  
 Data File : VX018163.D  
 Acq On : 31 Aug 2020 22:21  
 Operator : JC/SP  
 Sample : VX0831WBL02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0831WBL02

Quant Time: Sep 01 07:10:18 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 21 03:03:56 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.63  | 168  | 463566   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.83  | 114  | 754014   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 710070   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.06 | 152  | 333575   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.03   | 65  | 325569   | 50.59 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 101.18% |      |
| 35) Dibromofluoromethane    | 5.47   | 113 | 255634   | 49.78 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.56%  |      |
| 50) Toluene-d8              | 8.70   | 98  | 925082   | 48.37 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 96.74%  |      |
| 62) 4-Bromofluorobenzene    | 11.12  | 95  | 336512   | 44.72 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.44%  |      |

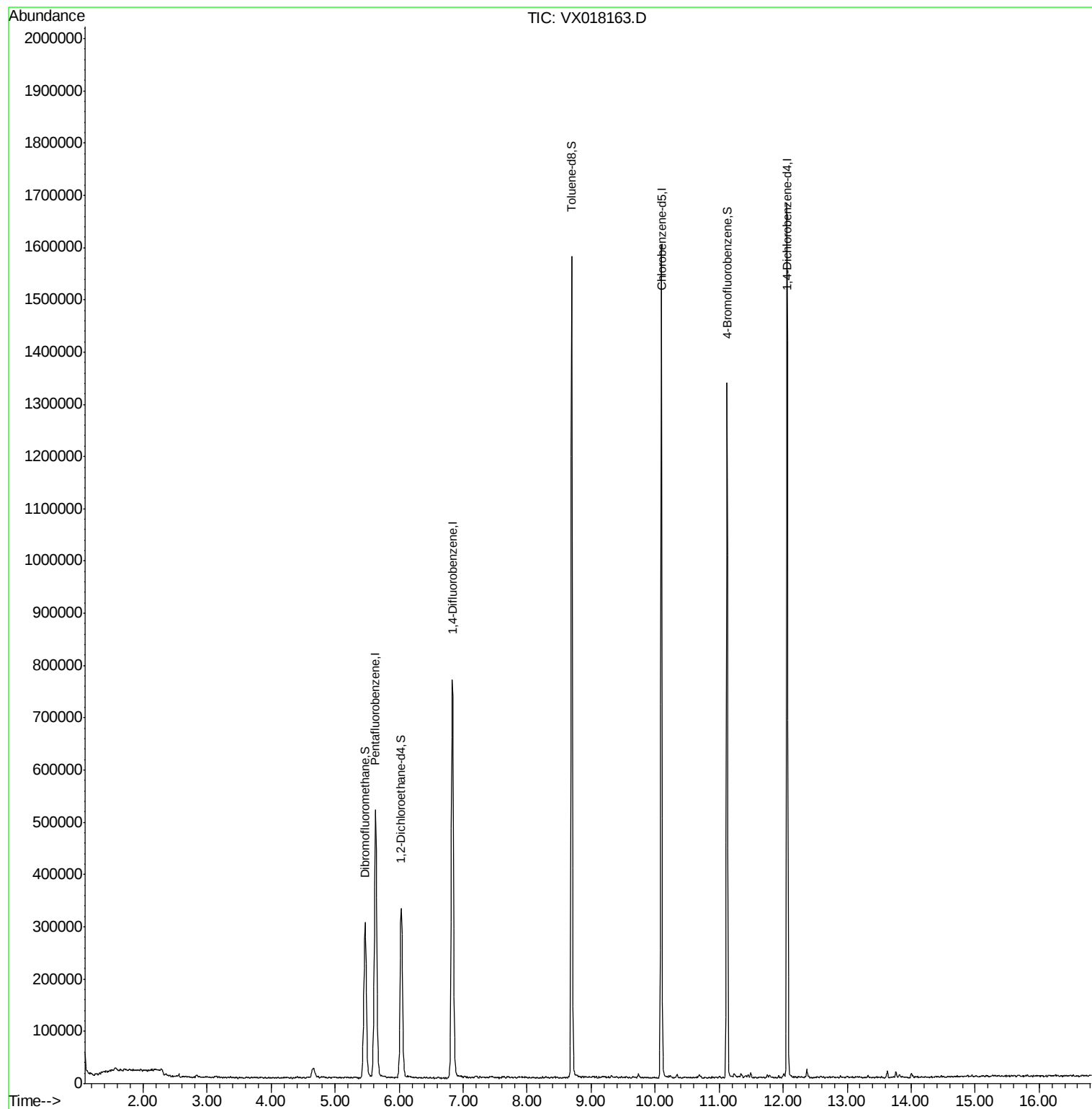
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

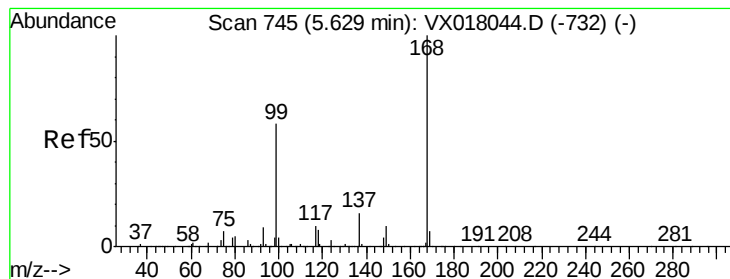
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X082120W.M  
Quant Title : SW846 8260  
QLast Update : Fri Aug 21 03:03:56 2020  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX018163.D

Acq: 31 Aug 2020 22:21

Instrument :

MSVOA\_X

ClientSampleId :

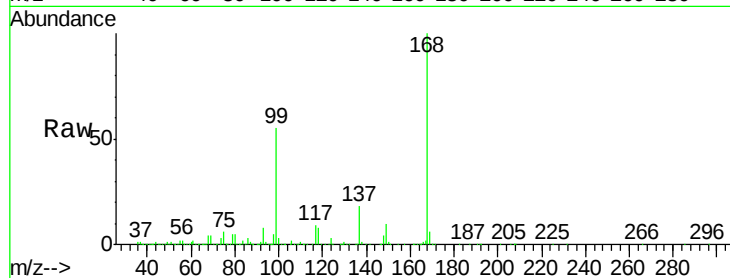
VX0831WBL02

Tot Ion:168 Resp: 463566

Ion Ratio Lower Upper

168 100

99 54.8 46.3 69.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

150000

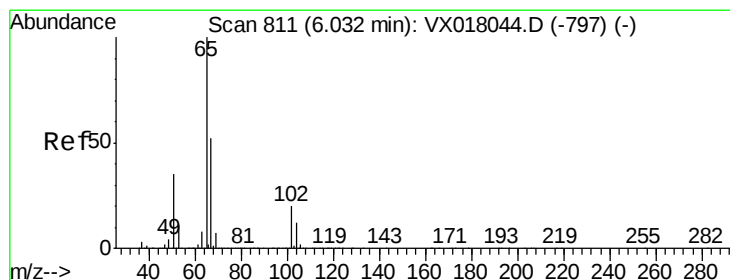
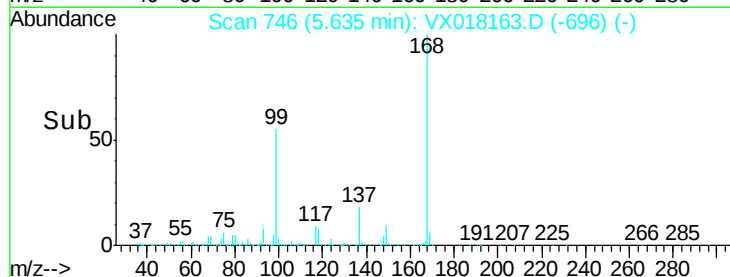
100000

50000

0

Time-->

5.50 5.60 5.70



#33

1,2-Dichloroethane-d4

Concen: 50.590 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX018163.D

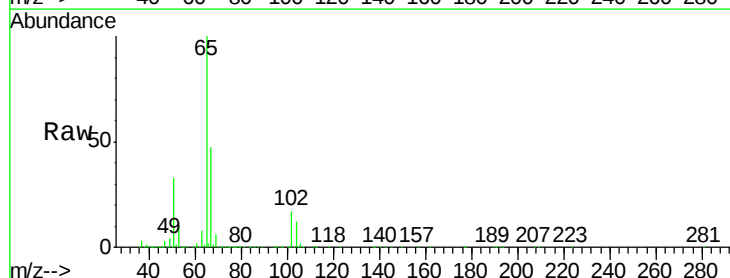
Acq: 31 Aug 2020 22:21

Tgt Ion: 65 Resp: 325569

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

150000

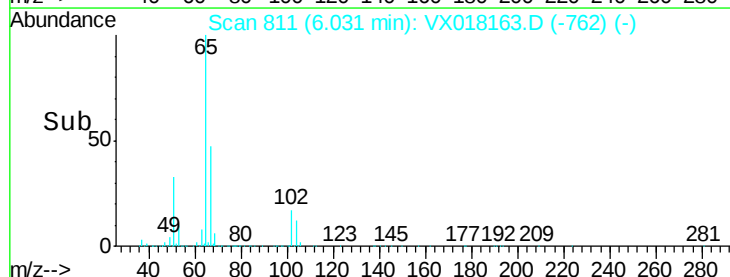
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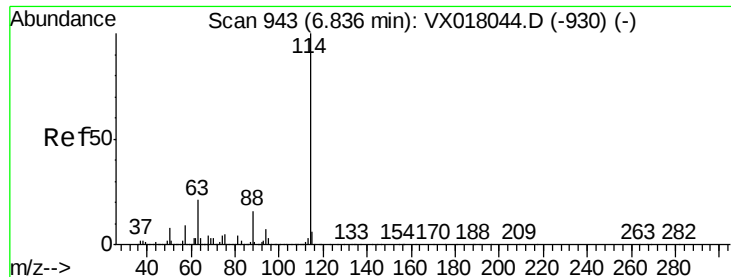
50000

0

Time-->

5.90 6.00 6.10





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018163.D

Acq: 31 Aug 2020 22:21

Instrument :

MSVOA\_X

ClientSampleId :

VX0831WBL02

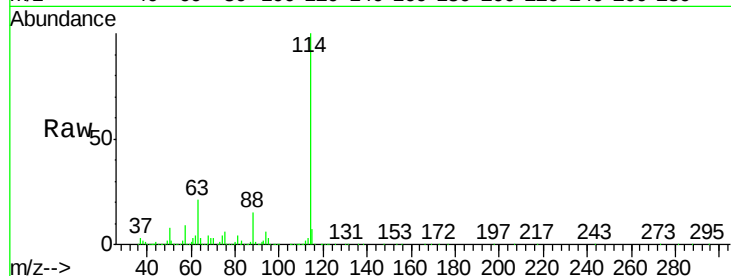
Tot Ion:114 Resp: 754014

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

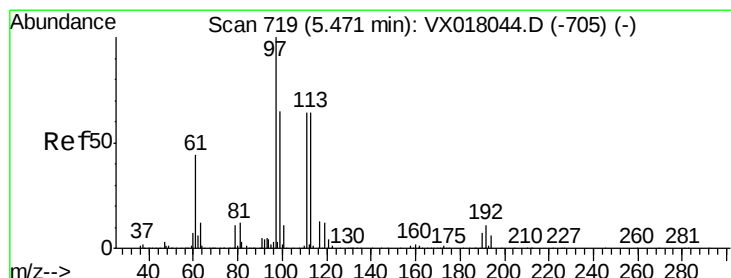
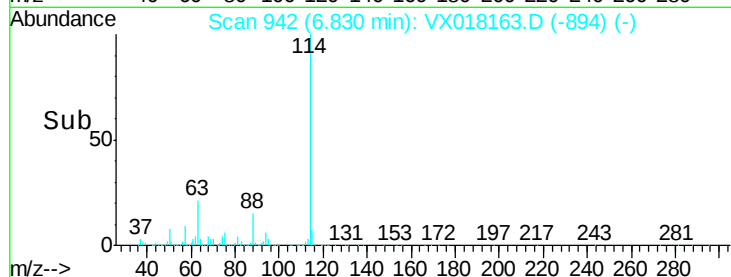
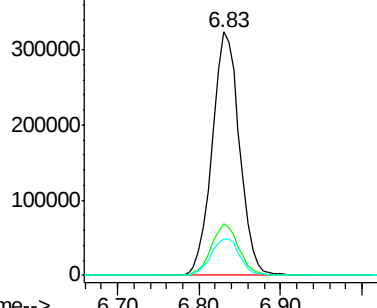
88 15.0 0.0 31.8



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: 49.781 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018163.D

Acq: 31 Aug 2020 22:21

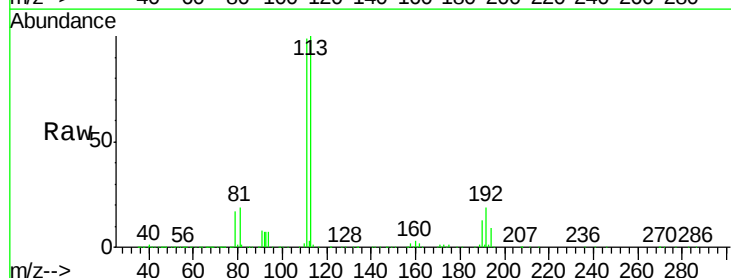
Tgt Ion:113 Resp: 255634

Ion Ratio Lower Upper

113 100

111 102.5 81.6 122.4

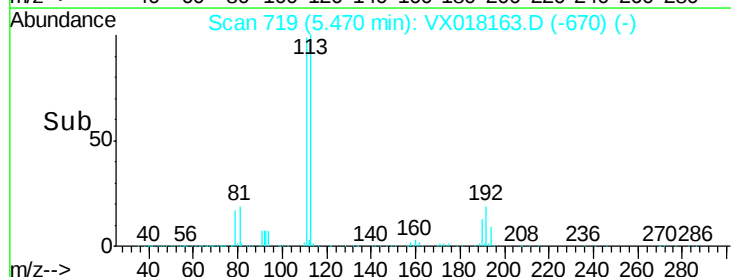
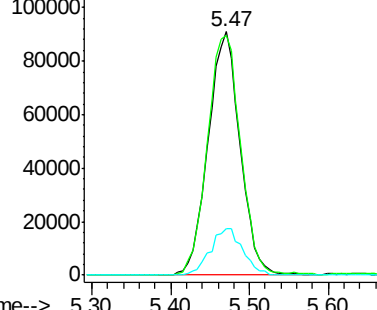
192 19.6 15.8 23.8

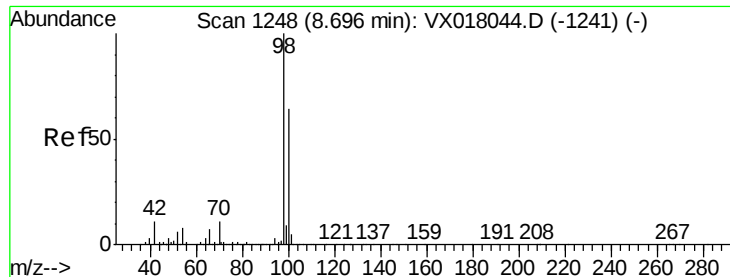


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#50

Toluene-d8

Concen: 48.367 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018163.D

Acq: 31 Aug 2020 22:21

Instrument :

MSVOA\_X

ClientSampleId :

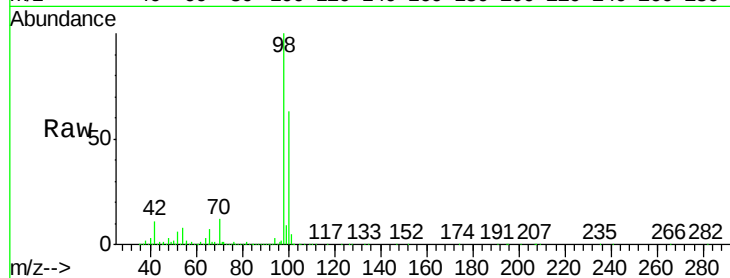
VX0831WBL02

Tot Ion: 98 Resp: 925082

Ion Ratio Lower Upper

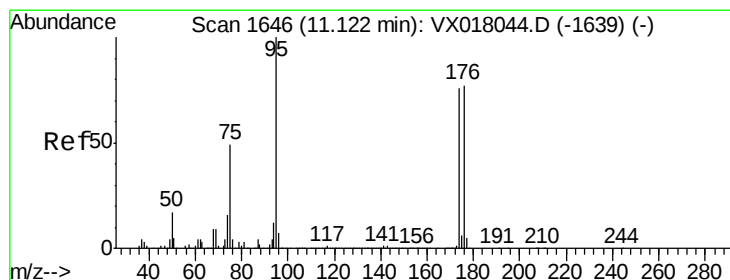
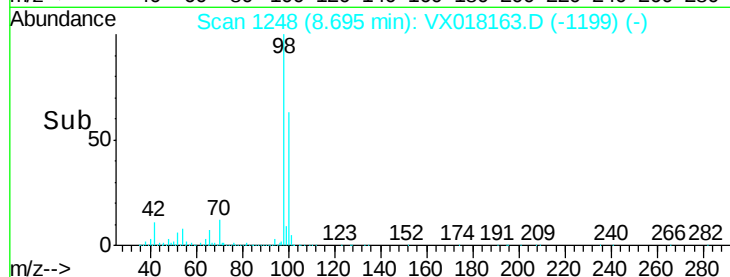
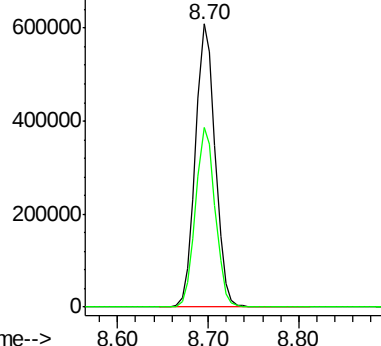
98 100

100 63.1 52.2 78.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 44.719 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018163.D

Acq: 31 Aug 2020 22:21

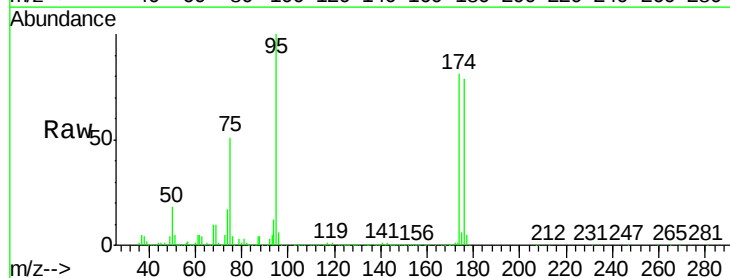
Tgt Ion: 95 Resp: 336512

Ion Ratio Lower Upper

95 100

174 83.2 0.0 160.2

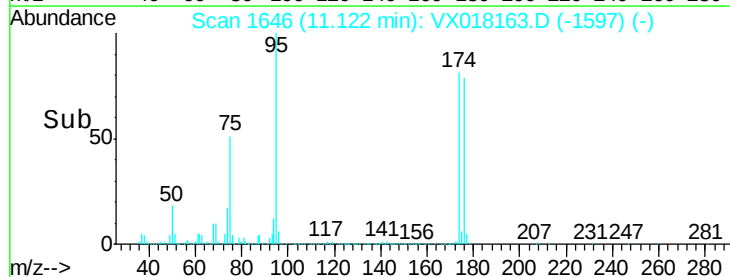
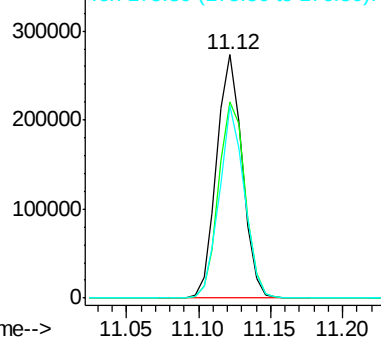
176 76.9 0.0 155.8

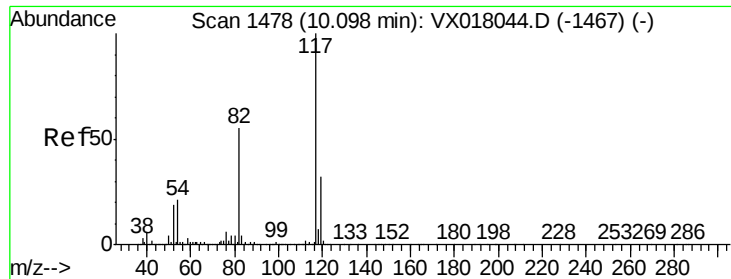


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

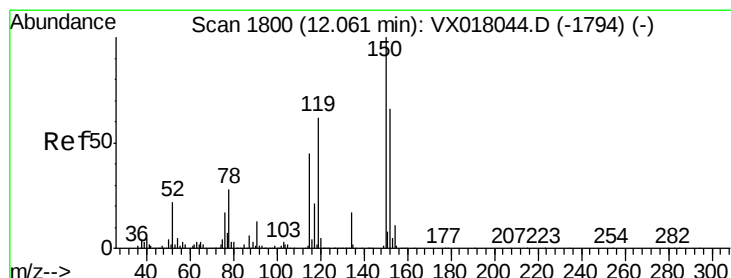
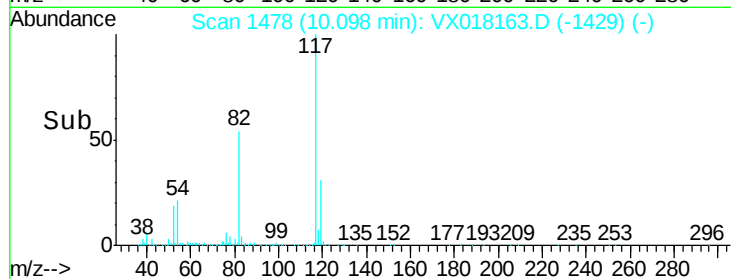
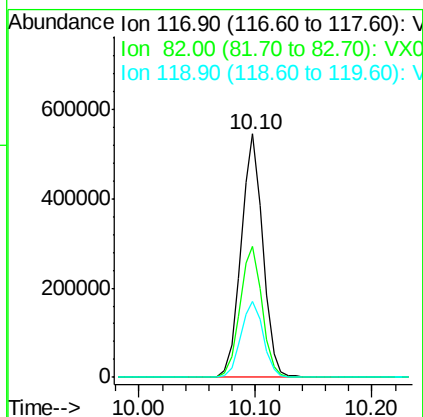
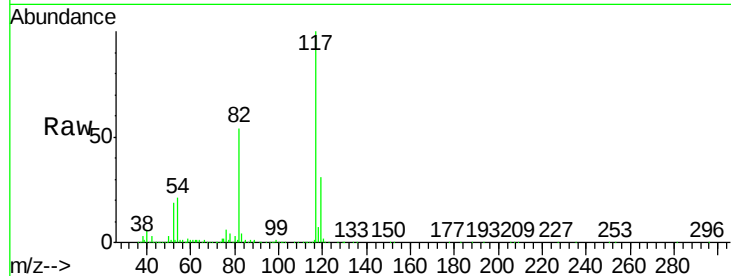




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1478  
Delta R.T. -0.00 min  
Lab File: VX018163.D  
Acq: 31 Aug 2020 22:21

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0831WBL02

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.6  | 44.2  | 66.2  |
| 119     | 31.4  | 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: VX018163.D  
Acq: 31 Aug 2020 22:21

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 59.4  | 41.5  | 124.5 |
| 150     | 161.8 | 0.0   | 343.8 |

