

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX012419\  
 Data File : VX007197.D  
 Acq On : 24 Jan 2019 12:22  
 Operator : JC/SP  
 Sample : VX0124MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0124MBL01

Quant Time: Jan 25 00:28:34 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 08 14:06:59 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 563890   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 868754   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 803352   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 391507   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 301919   | 51.23 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.46% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 270507   | 48.62 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.24%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 1021176  | 50.15 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.30% |      |
| 62) 4-Bromofluorobenzene    | 11.13  | 95  | 364008   | 51.27 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 102.54% |      |

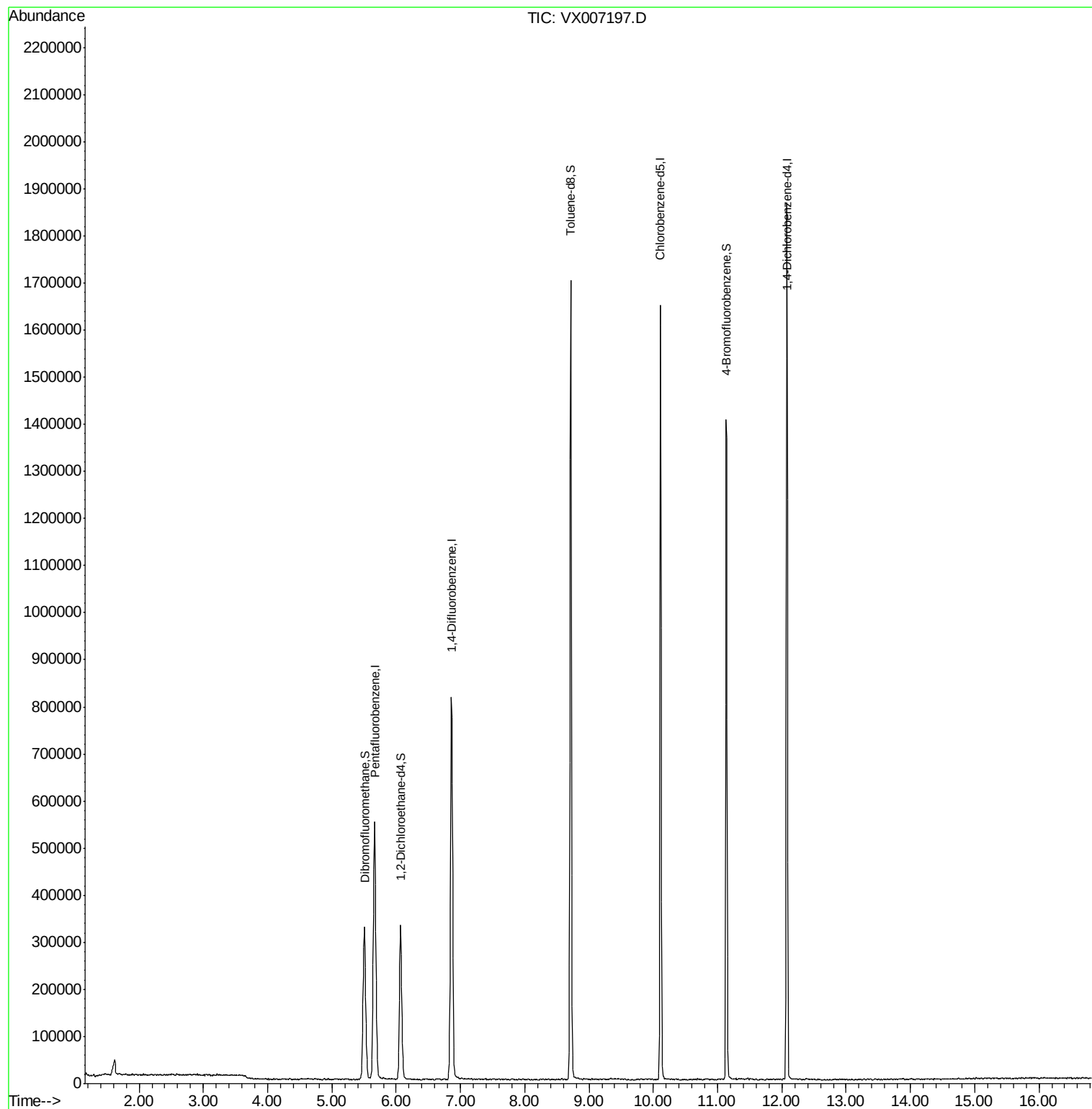
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

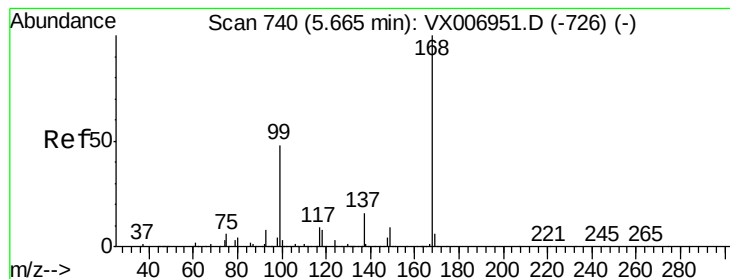
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX012419\  
Data File : VX007197.D  
Acq On : 24 Jan 2019 12:22  
Operator : JC/SP  
Sample : VX0124MBL01  
Misc : 5.0g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampled :  
VX0124MBL01

Quant Time: Jan 25 00:28:34 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X010819W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 08 14:06:59 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007197.D

Acq: 24 Jan 2019 12:22

Instrument :

MSVOA\_X

ClientSampleId :

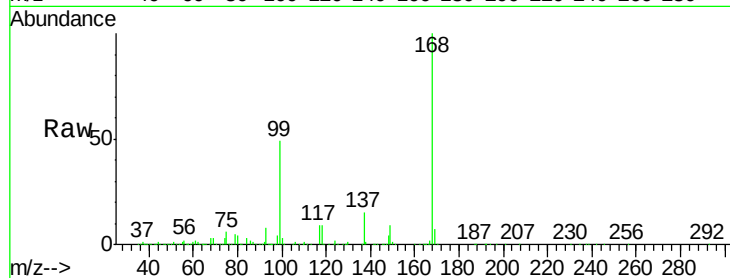
VX0124MBL01

Tot Ion:168 Resp: 563890

Ion Ratio Lower Upper

168 100

99 48.5 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

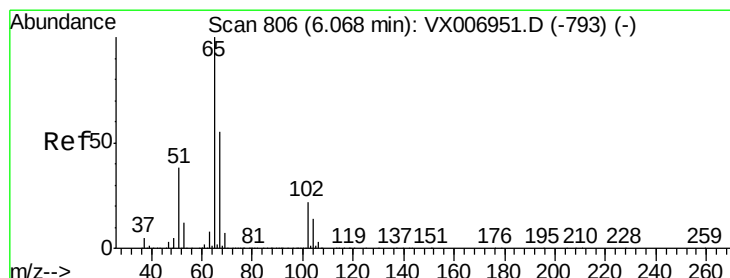
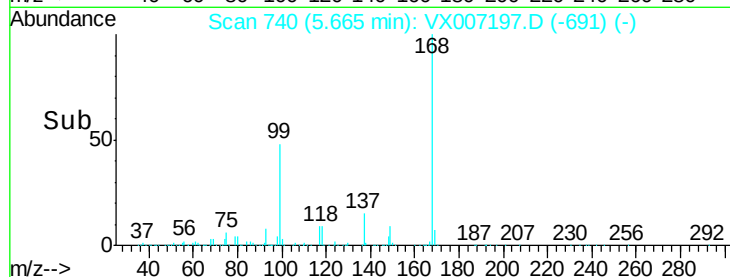
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 51.232 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007197.D

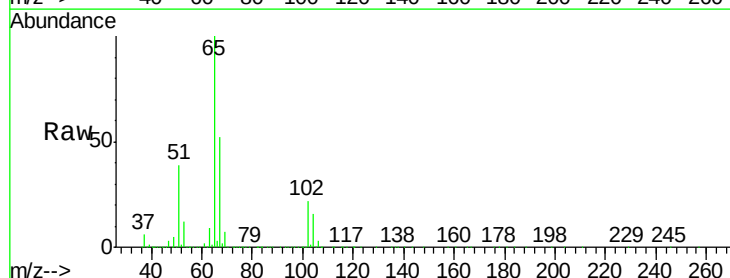
Acq: 24 Jan 2019 12:22

Tgt Ion: 65 Resp: 301919

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

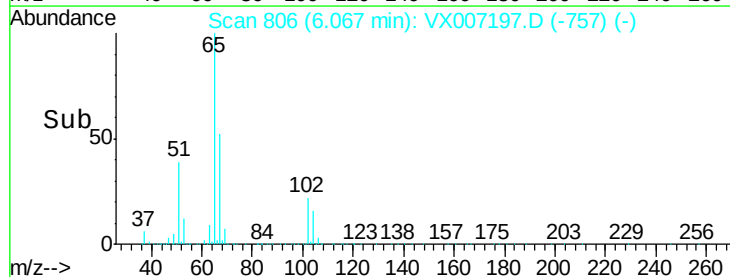
6.07

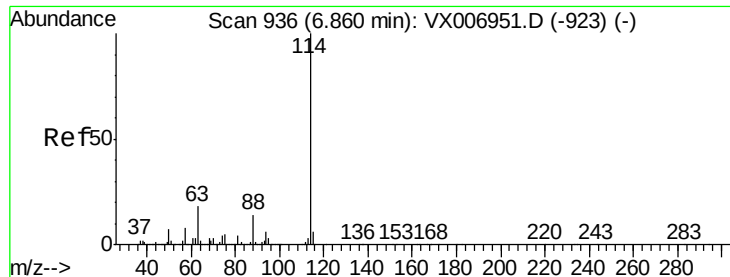
100000

50000

0

Time--> 5.90 6.00 6.10 6.20





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007197.D

Acq: 24 Jan 2019 12:22

Instrument :

MSVOA\_X

ClientSampleId :

VX0124MBL01

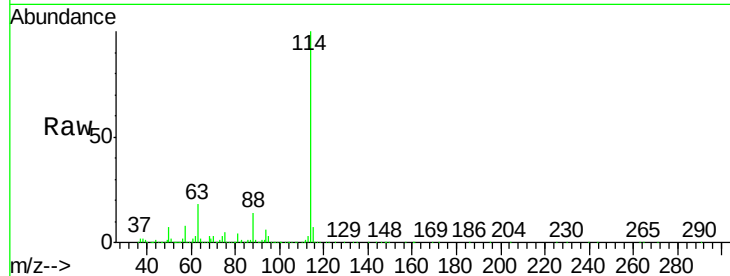
Tot Ion:114 Resp: 868754

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.8

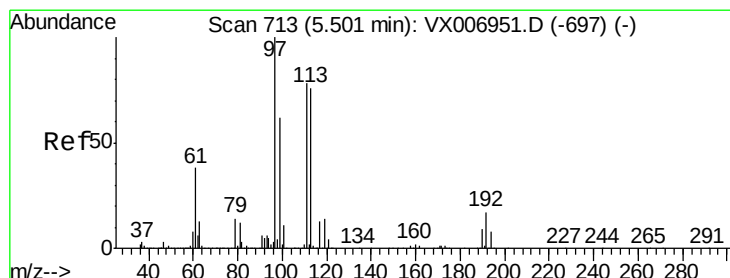
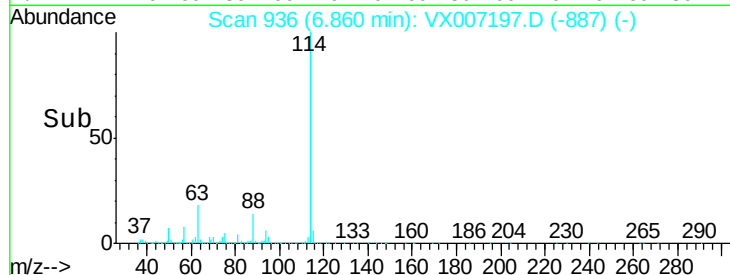
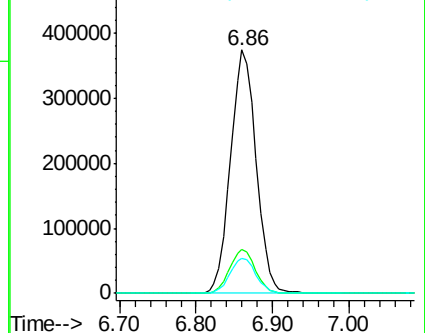
88 14.5 0.0 28.8



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: 48.622 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007197.D

Acq: 24 Jan 2019 12:22

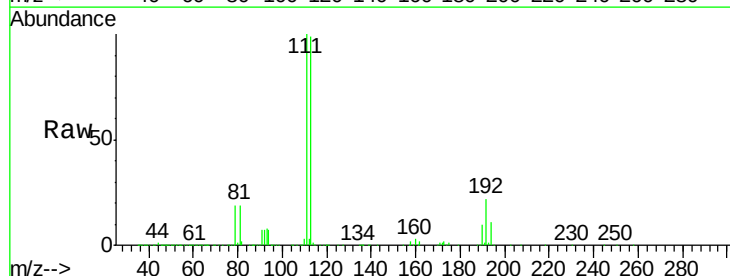
Tgt Ion:113 Resp: 270507

Ion Ratio Lower Upper

113 100

111 102.8 81.6 122.4

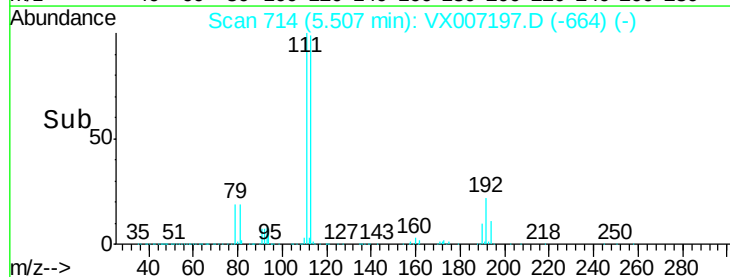
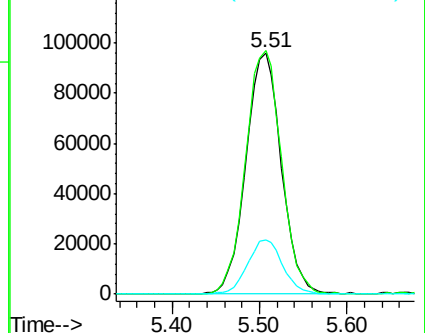
192 22.4 16.7 25.1

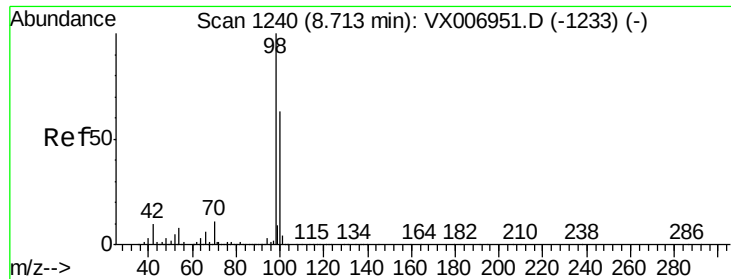


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

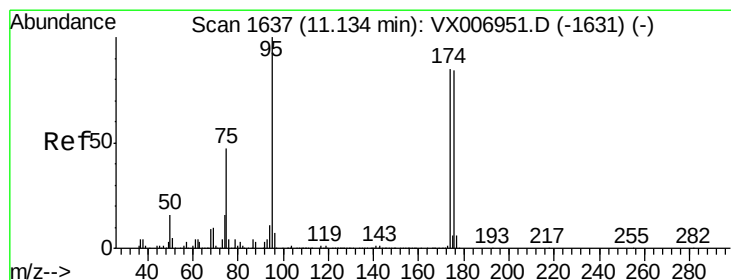
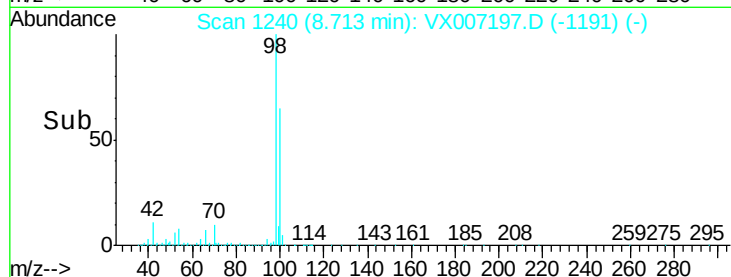
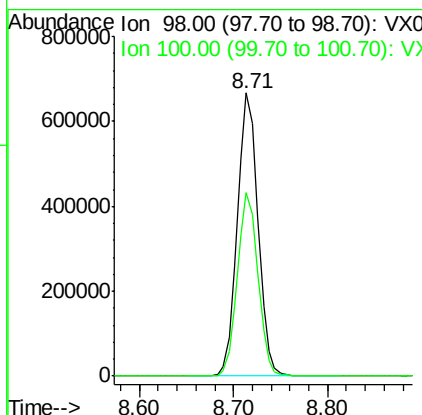
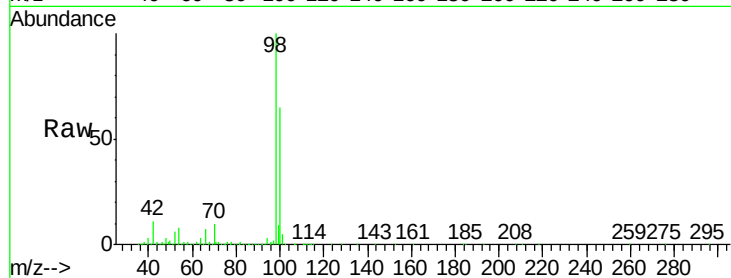




#50  
Toluene-d8  
Concen: 50.146 ug/l  
RT: 8.71 min Scan# 1240  
Delta R.T. -0.00 min  
Lab File: VX007197.D  
Acq: 24 Jan 2019 12:22

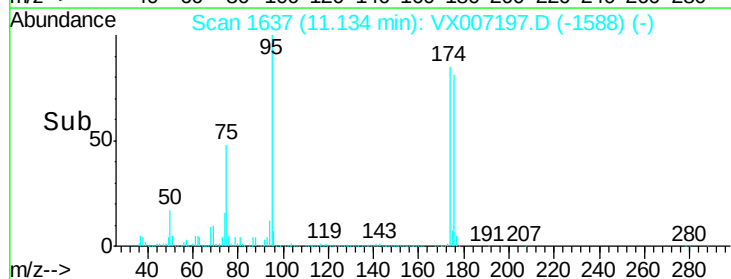
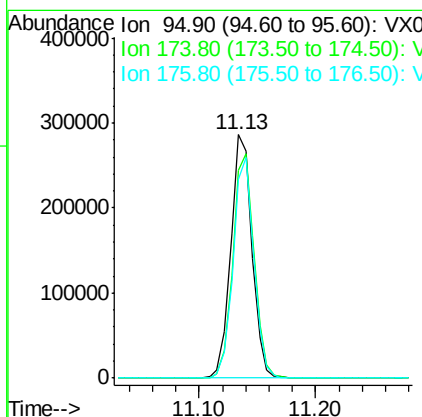
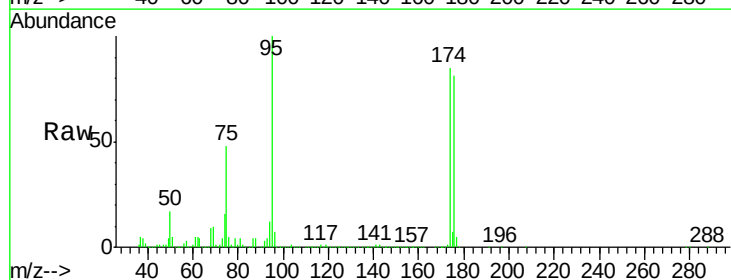
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0124MBL01

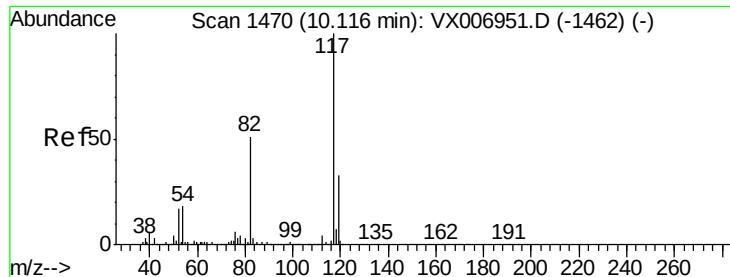
Tot Ion: 98 Resp: 1021176  
Ion Ratio Lower Upper  
98 100  
100 64.4 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 51.273 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. -0.00 min  
Lab File: VX007197.D  
Acq: 24 Jan 2019 12:22

Tgt Ion: 95 Resp: 364008  
Ion Ratio Lower Upper  
95 100  
174 92.4 0.0 182.2  
176 88.5 0.0 178.8

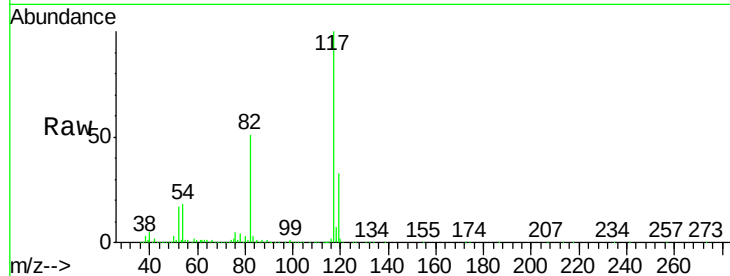




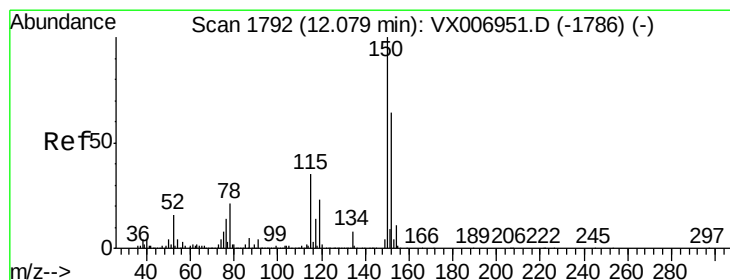
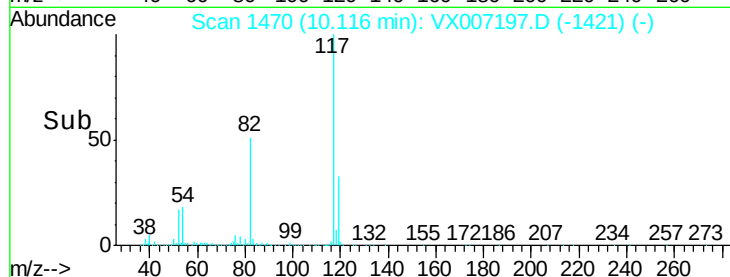
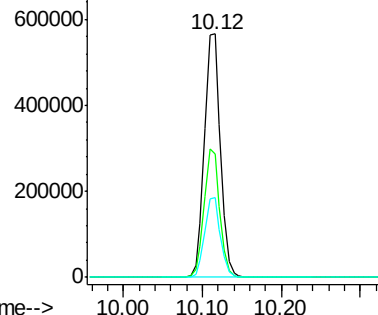
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX007197.D  
Acq: 24 Jan 2019 12:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0124MBL01

Tot Ion:117 Resp: 803352  
Ion Ratio Lower Upper  
117 100  
82 50.8 41.0 61.6  
119 32.6 25.4 38.0

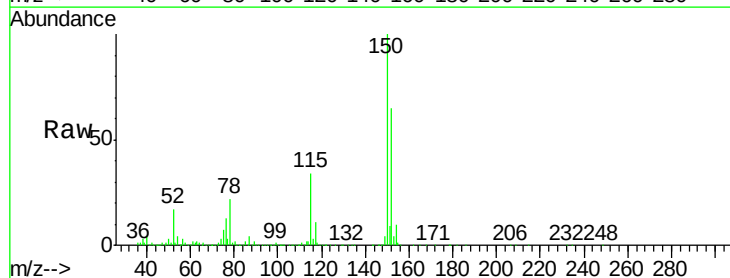


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX007197.D  
Acq: 24 Jan 2019 12:22

Tgt Ion:152 Resp: 391507  
Ion Ratio Lower Upper  
152 100  
115 53.3 39.1 117.2  
150 155.8 0.0 344.8



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

