

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022719\  
 Data File : VX007731.D  
 Acq On : 27 Feb 2019 13:57  
 Operator : JC/SP  
 Sample : VX0227MBL01  
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0227MBL01

Quant Time: Feb 28 04:17:35 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 26 01:53:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 315365   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 487327   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.11 | 117  | 458371   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 219547   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|-------|------|----------|-------|--------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 189795   | 48.59 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 97.18% |          |
| 35) Dibromofluoromethane    | 5.50  | 113  | 159617   | 49.00 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 98.00% |          |
| 50) Toluene-d8              | 8.71  | 98   | 598497   | 47.99 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 95.98% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 211445   | 46.19 | ug/l   | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 92.38% |          |

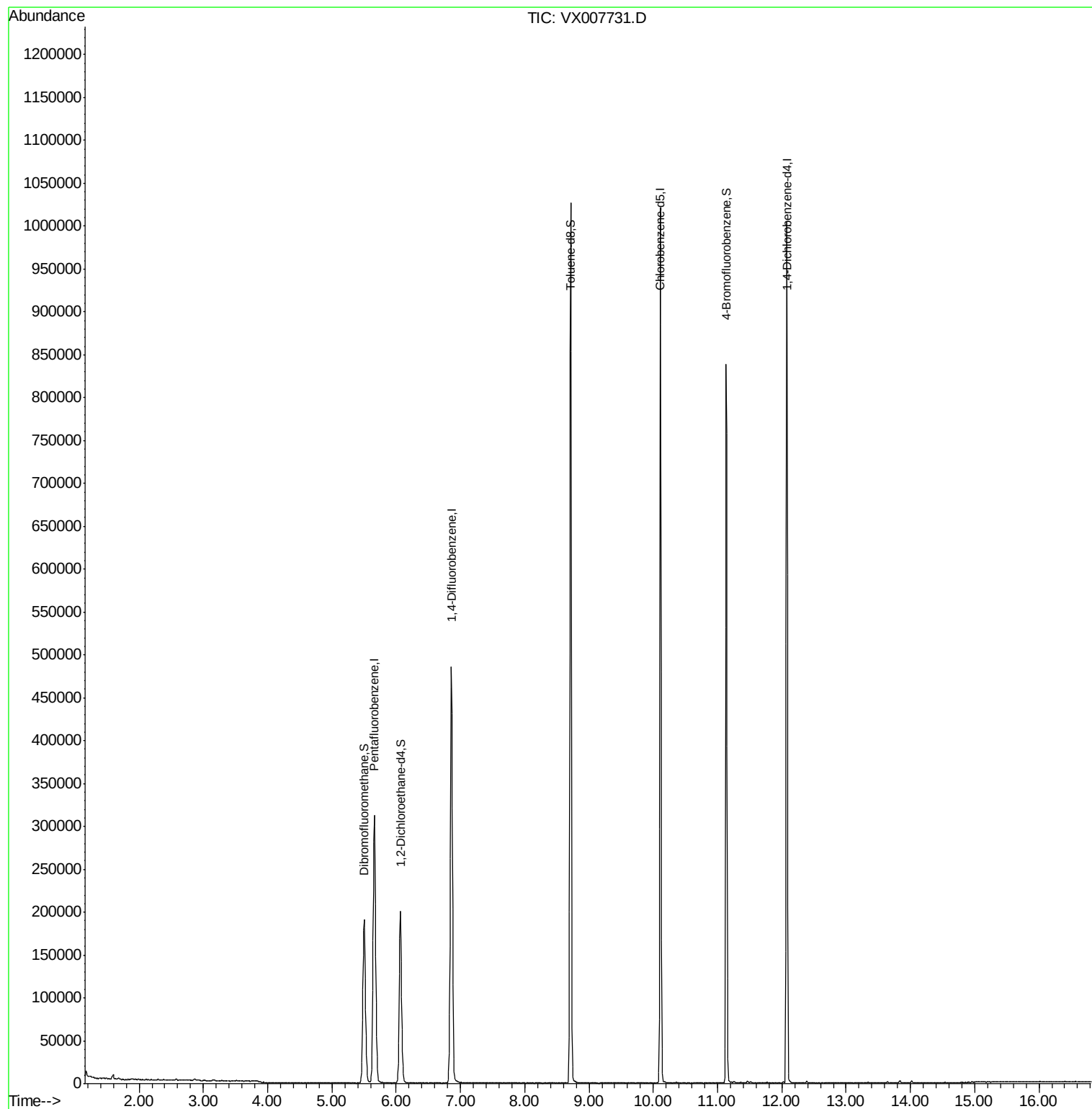
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

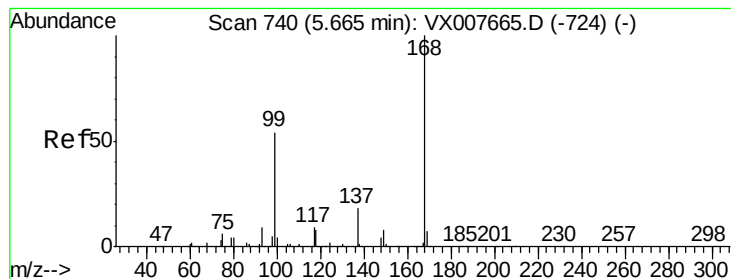
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_X  
ClientSampleId :  
VX0227MBL01

Quant Time: Feb 28 04:17:35 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X022519W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 26 01:53:13 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: VX007731.D

Acq: 27 Feb 2019 13:57

Instrument :

MSVOA\_X

ClientSampleId :

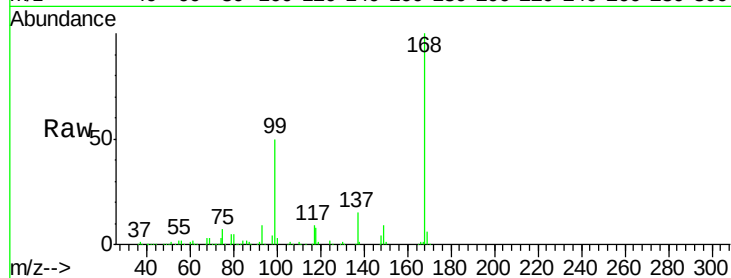
VX0227MBL01

Tot Ion:168 Resp: 315365

Ion Ratio Lower Upper

168 100

99 50.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

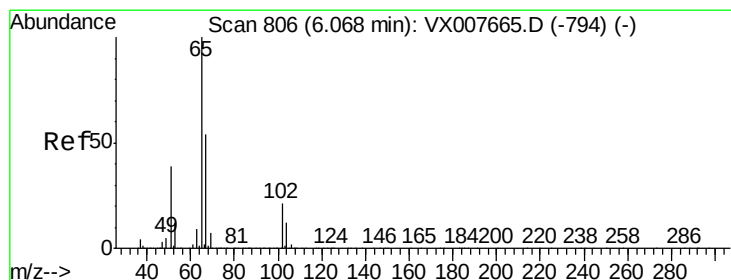
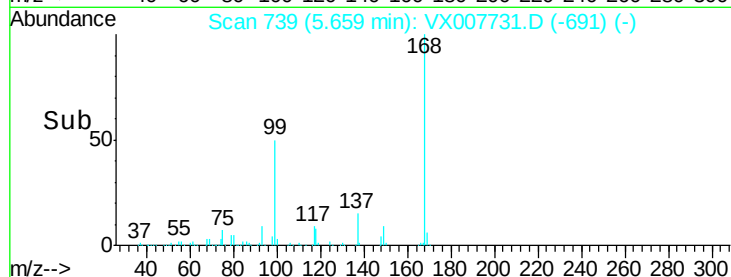
5.66

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 48.586 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007731.D

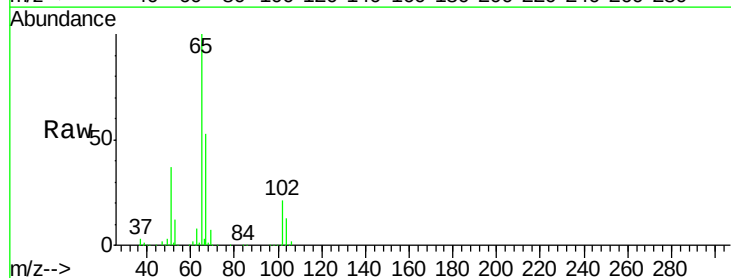
Acq: 27 Feb 2019 13:57

Tgt Ion: 65 Resp: 189795

Ion Ratio Lower Upper

65 100

67 53.0 0.0 108.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

80000

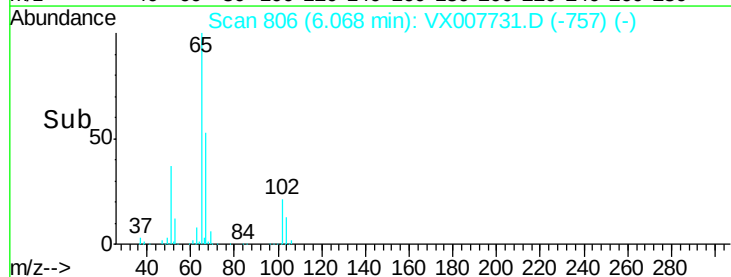
60000

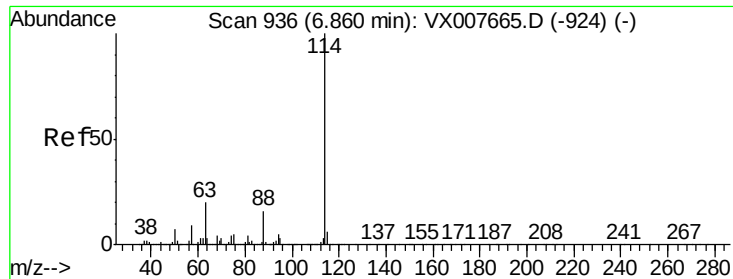
40000

20000

0

Time--> 6.00 6.10 6.20

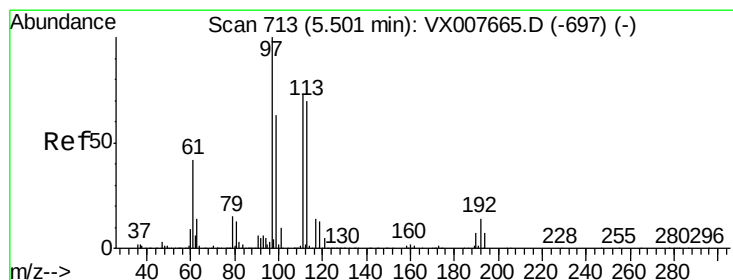
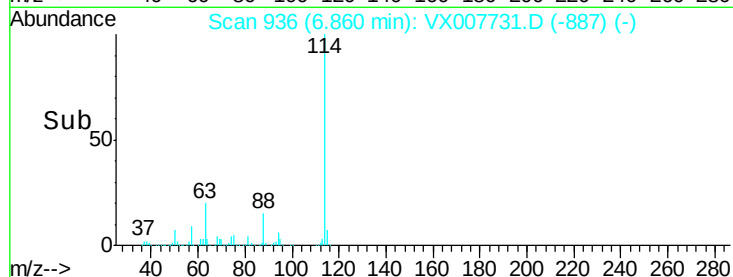
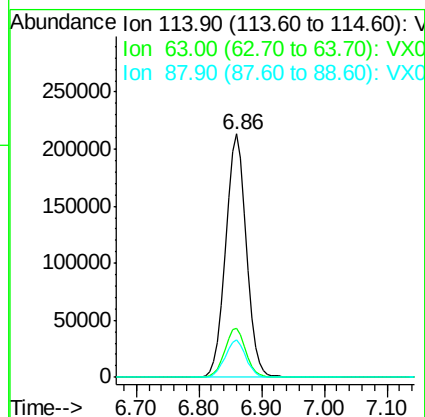
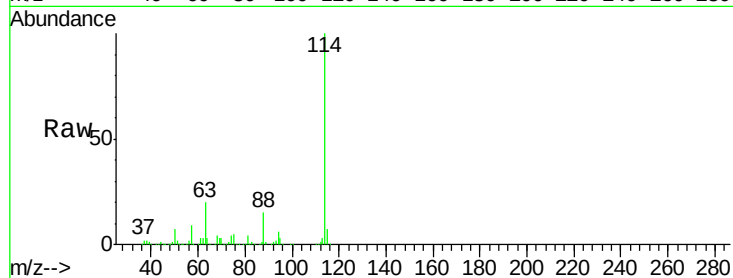




#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX007731.D  
 Acq: 27 Feb 2019 13:57

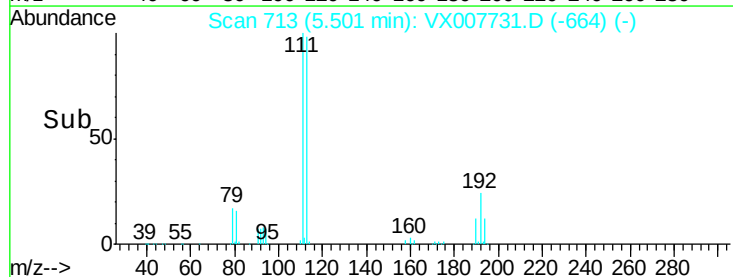
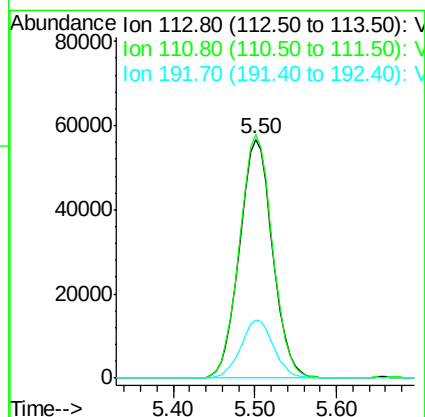
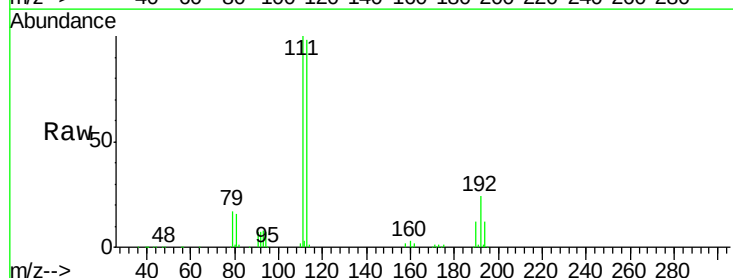
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0227MBL01

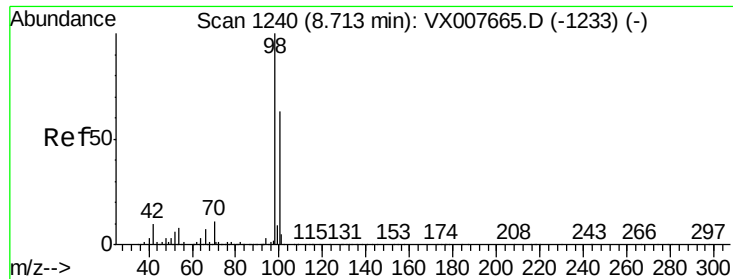
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 20.3  | 0.0   | 35.6  |
| 88      | 15.4  | 0.0   | 29.6  |



#35  
 Dibromofluoromethane  
 Concen: 48.998 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX007731.D  
 Acq: 27 Feb 2019 13:57

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 101.9 | 81.8  | 122.8 |
| 192     | 24.2  | 18.5  | 27.7  |





#50

Toluene-d8

Concen: 47.989 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007731.D

Acq: 27 Feb 2019 13:57

Instrument :

MSVOA\_X

ClientSampleId :

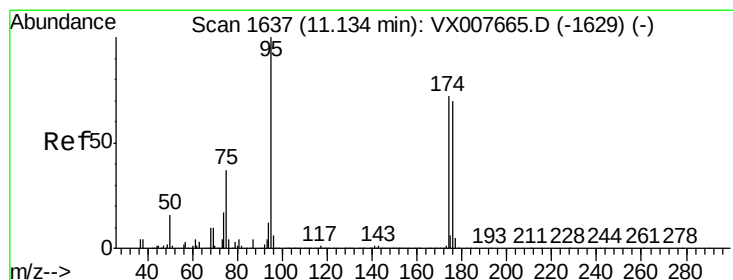
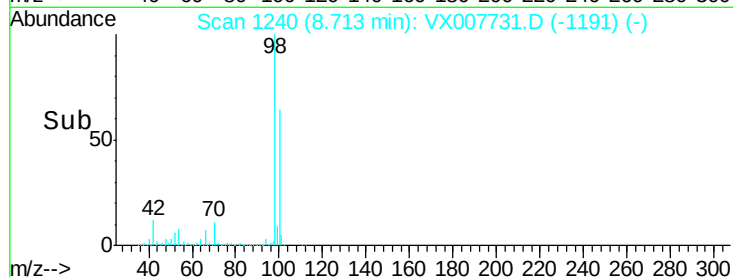
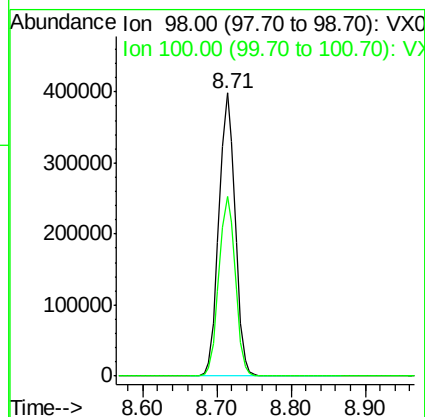
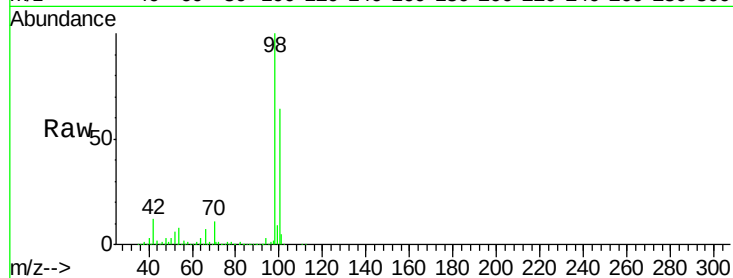
VX0227MBL01

Tot Ion: 98 Resp: 598497

Ion Ratio Lower Upper

98 100

100 64.3 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 46.193 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007731.D

Acq: 27 Feb 2019 13:57

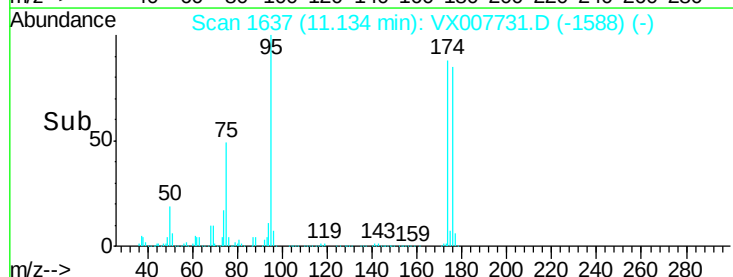
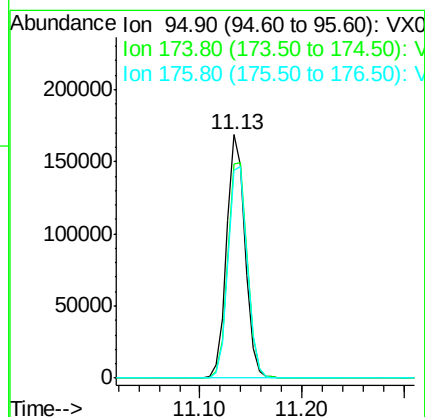
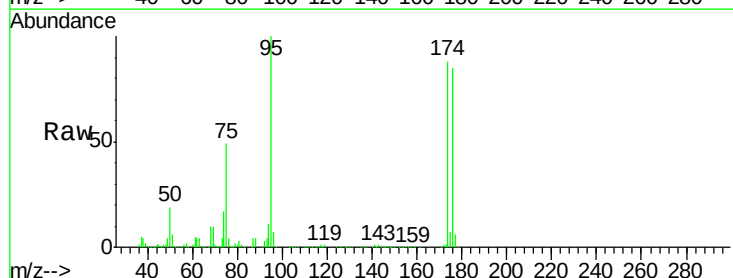
Tgt Ion: 95 Resp: 211445

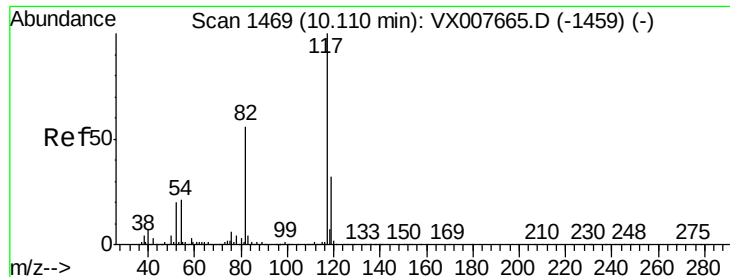
Ion Ratio Lower Upper

95 100

174 93.0 0.0 189.2

176 90.4 0.0 186.2

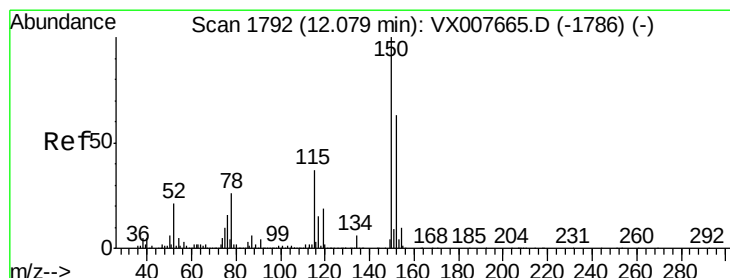
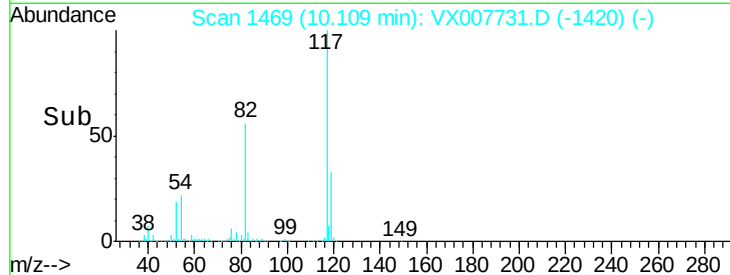
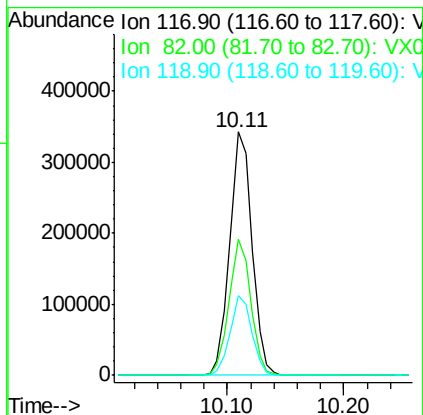
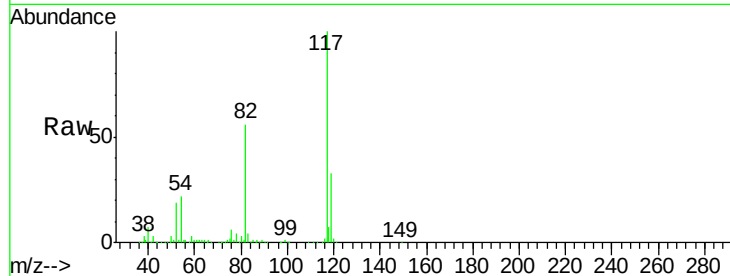




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. -0.00 min  
Lab File: VX007731.D  
Acq: 27 Feb 2019 13:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0227MBL01

Tot Ion:117 Resp: 458371  
Ion Ratio Lower Upper  
117 100  
82 55.8 42.1 63.1  
119 32.7 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX007731.D  
Acq: 27 Feb 2019 13:57

Tgt Ion:152 Resp: 219547  
Ion Ratio Lower Upper  
152 100  
115 54.2 38.0 114.0  
150 156.4 0.0 346.4

