

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\  
 Data File : VX005601.D  
 Acq On : 26 Oct 2018 13:32  
 Operator : JC/MD  
 Sample : VX1026WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1026WBL01

Quant Time: Oct 27 05:12:48 2018  
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X102418W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 25 02:52:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 193606   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 288570   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 267209   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 129189   | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 126031   | 53.33 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.66% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 97390    | 49.84 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 99.68%  |      |
| 50) Toluene-d8              | 8.71   | 98  | 354366   | 50.47 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 100.94% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 118116   | 44.55 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.10%  |      |

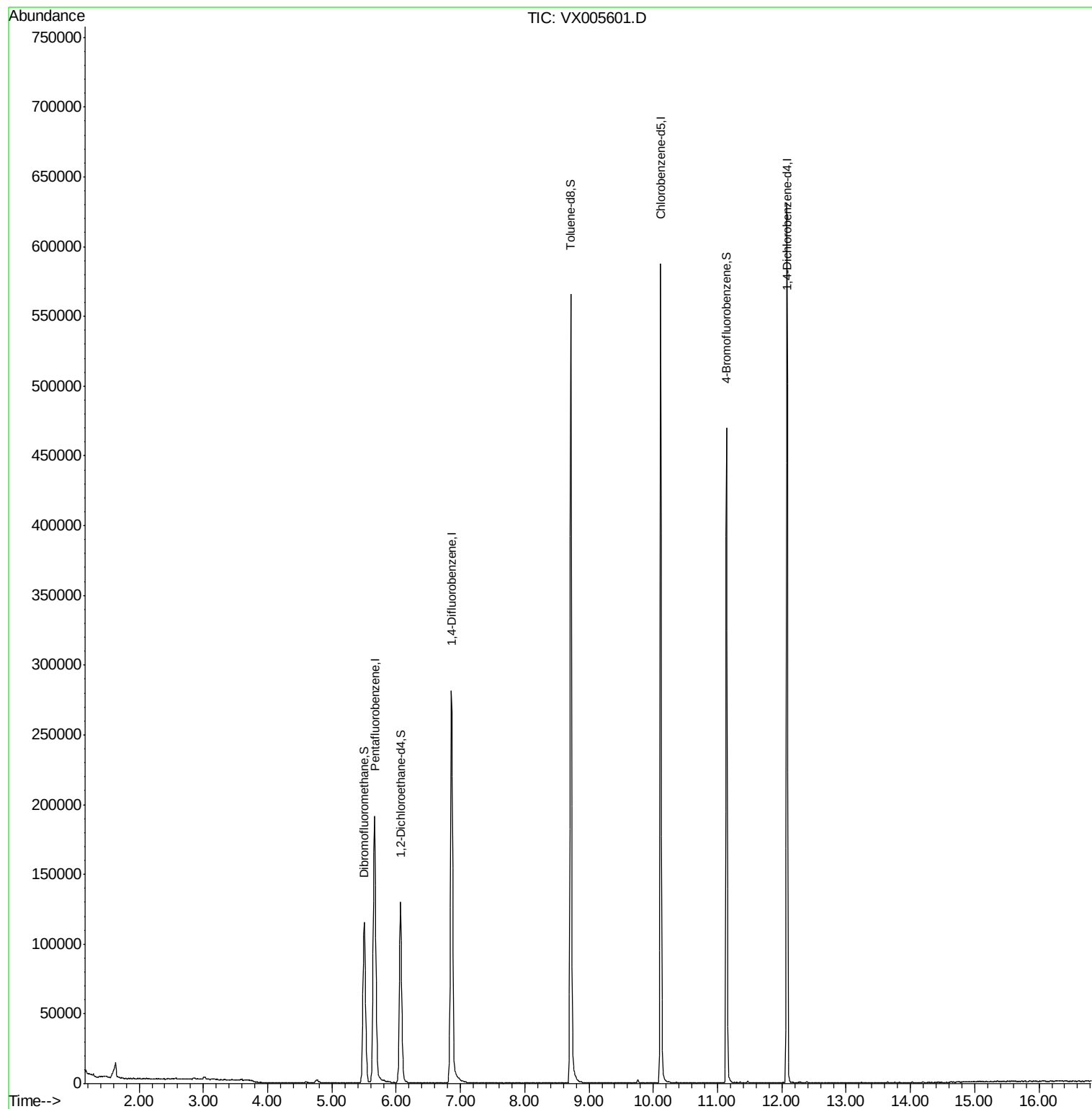
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

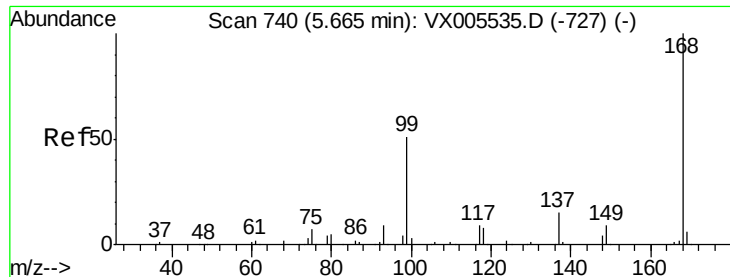
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102618\  
Data File : VX005601.D  
Acq On : 26 Oct 2018 13:32  
Operator : JC/MD  
Sample : VX1026WBL01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1026WBL01

Quant Time: Oct 27 05:12:48 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X102418W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 25 02:52:45 2018  
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: VX005601.D

Acq: 26 Oct 2018 13:32

Instrument :

MSVOA\_X

ClientSampleId :

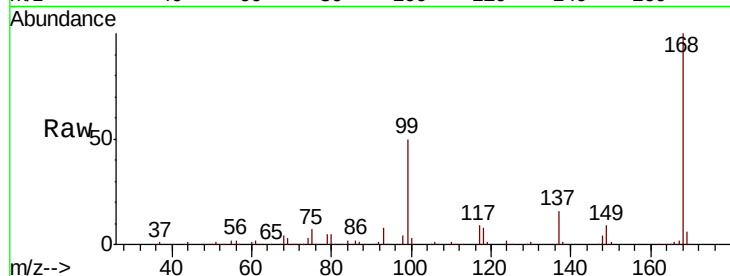
VX1026WBL01

Tot Ion:168 Resp: 193606

Ion Ratio Lower Upper

168 100

99 50.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

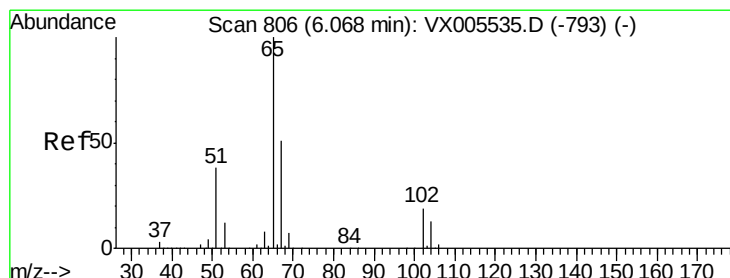
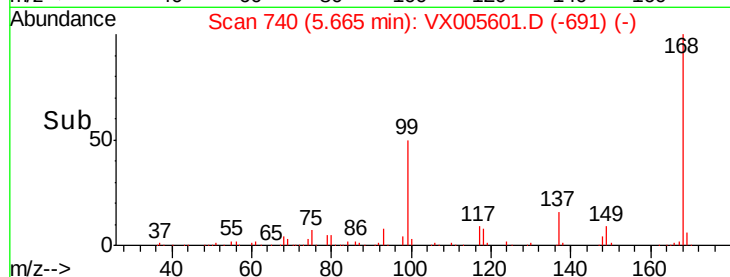
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 53.328 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005601.D

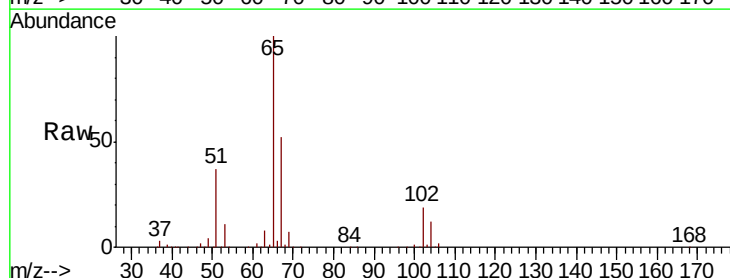
Acq: 26 Oct 2018 13:32

Tgt Ion: 65 Resp: 126031

Ion Ratio Lower Upper

65 100

67 52.0 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

50000

40000

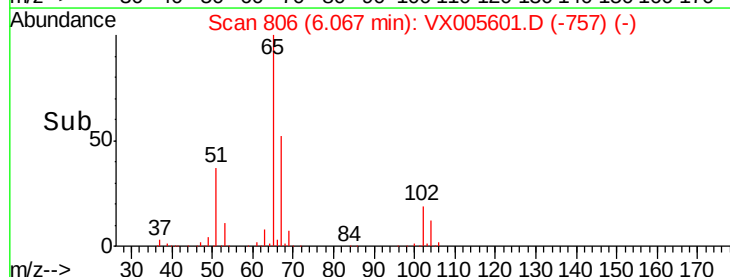
30000

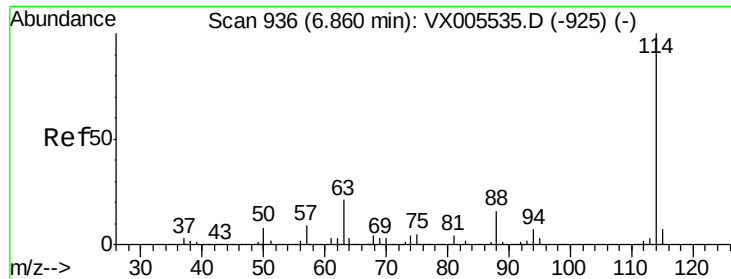
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

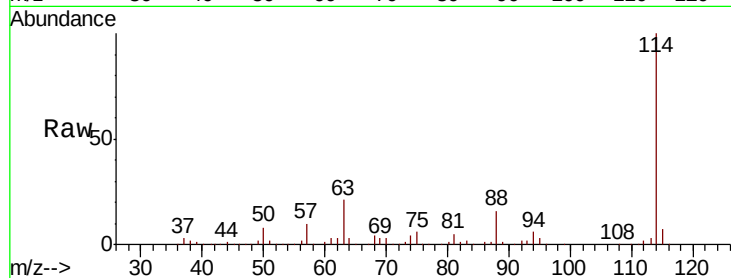




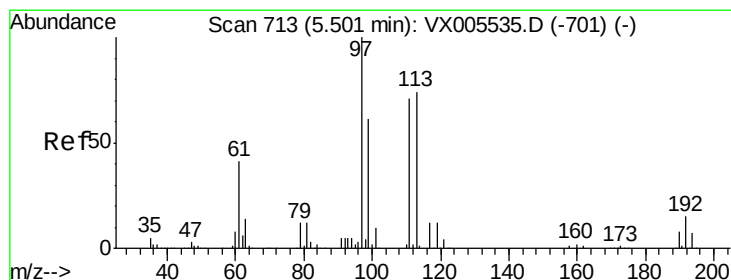
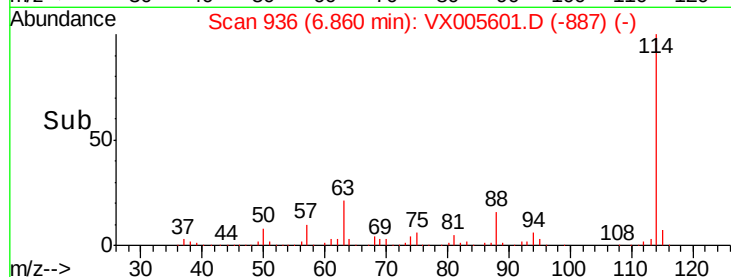
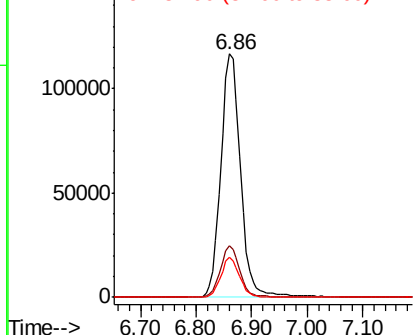
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.00 min  
 Lab File: VX005601.D  
 Acq: 26 Oct 2018 13:32

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1026WBL01

Tot Ion:114 Resp: 288570  
 Ion Ratio Lower Upper  
 114 100  
 63 21.4 0.0 42.8  
 88 16.5 0.0 31.2

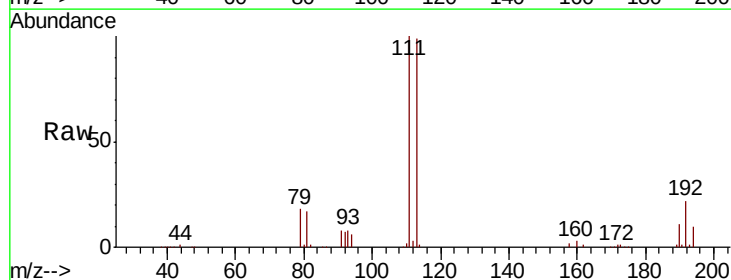


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

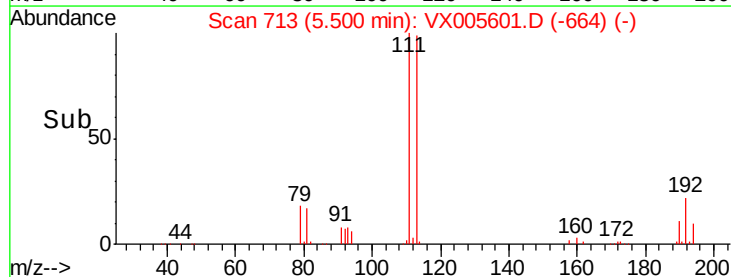
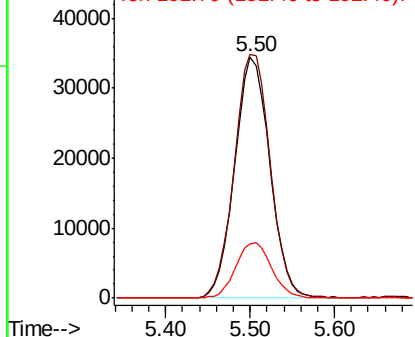


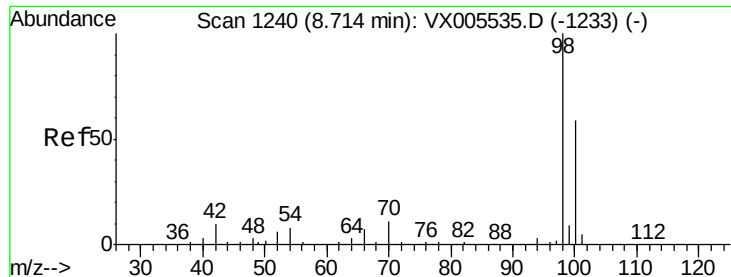
#35  
 Dibromofluoromethane  
 Concen: 49.843 ug/l  
 RT: 5.50 min Scan# 713  
 Delta R.T. -0.00 min  
 Lab File: VX005601.D  
 Acq: 26 Oct 2018 13:32

Tgt Ion:113 Resp: 97390  
 Ion Ratio Lower Upper  
 113 100  
 111 103.3 82.3 123.5  
 192 23.4 17.9 26.9



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: 50.473 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005601.D

Acq: 26 Oct 2018 13:32

Instrument :

MSVOA\_X

ClientSampleId :

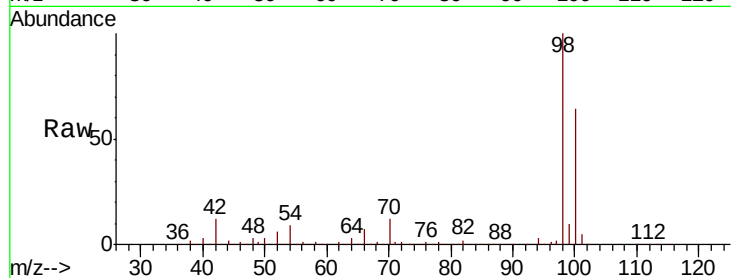
VX1026WBL01

Tot Ion: 98 Resp: 354366

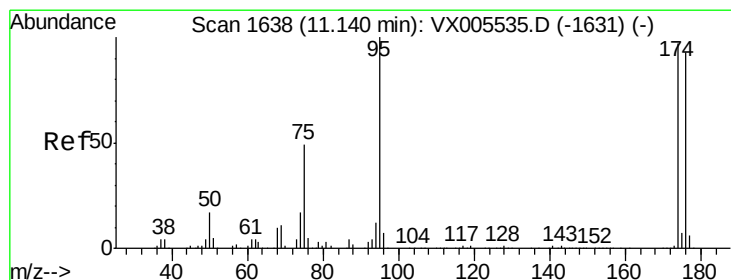
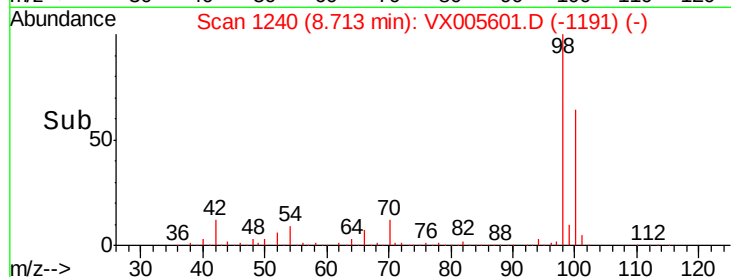
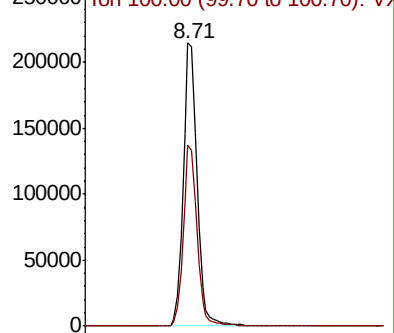
Ion Ratio Lower Upper

98 100

100 63.4 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX005535.D (-1233) (-)



#62

4-Bromofluorobenzene

Concen: 44.548 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005601.D

Acq: 26 Oct 2018 13:32

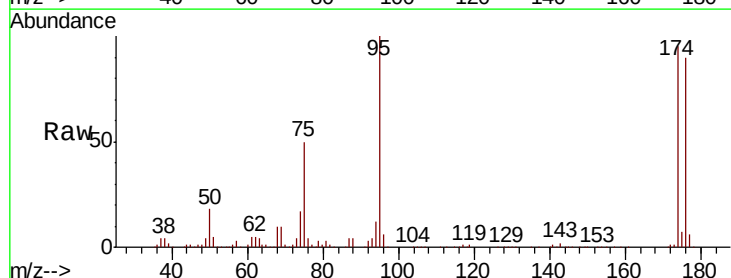
Tgt Ion: 95 Resp: 118116

Ion Ratio Lower Upper

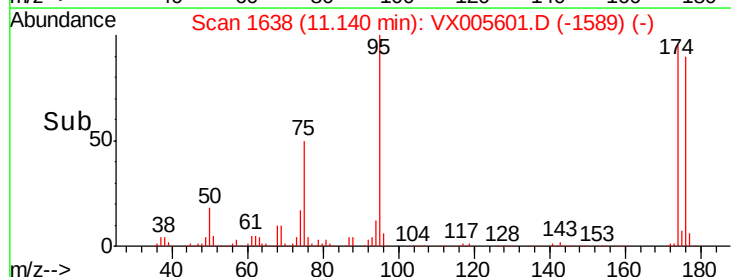
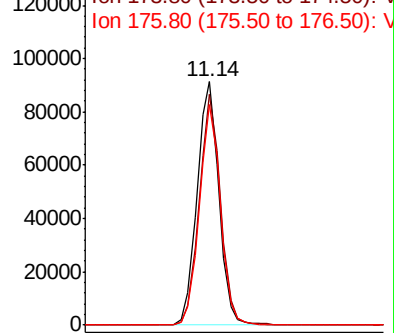
95 100

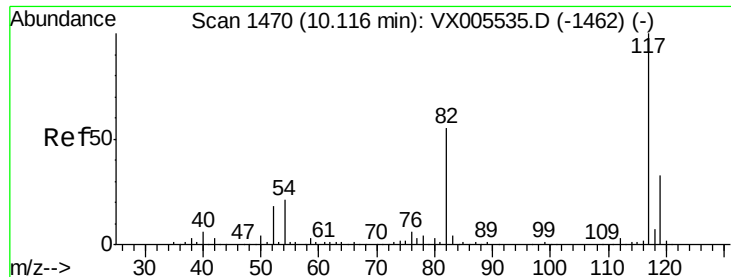
174 92.9 0.0 184.4

176 88.1 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VX005535.D (-1631) (-)

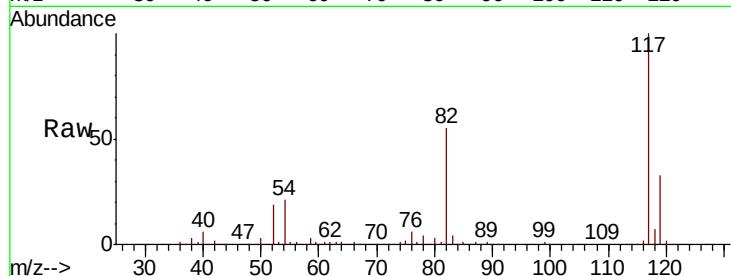




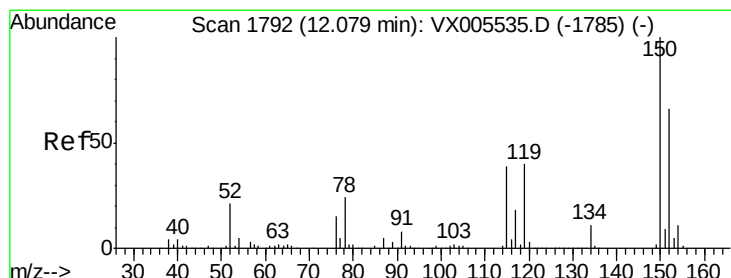
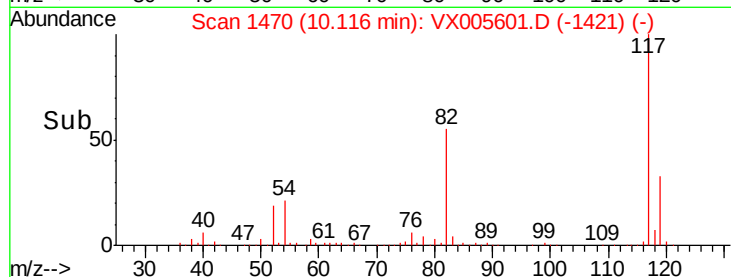
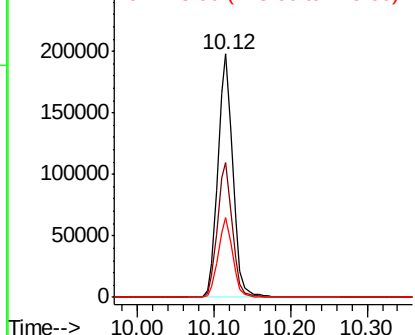
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005601.D  
Acq: 26 Oct 2018 13:32

Instrument :  
MSVOA\_X  
ClientSampled :  
VX1026WBL01

Tot Ion:117 Resp: 267209  
Ion Ratio Lower Upper  
117 100  
82 55.2 44.1 66.1  
119 32.8 26.2 39.2

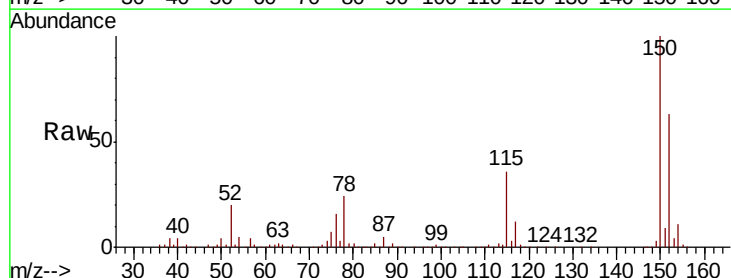


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX005601.D  
Acq: 26 Oct 2018 13:32

Tgt Ion:152 Resp: 129189  
Ion Ratio Lower Upper  
152 100  
115 55.3 39.4 118.1  
150 157.1 0.0 346.4



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

