

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110918\  
 Data File : VX005885.D  
 Acq On : 10 Nov 2018 02:37  
 Operator : JC/MD  
 Sample : J5889-10  
 Misc : 12.27g/5mL/100uL/5.0mL/MSVOA\_X/MEOH  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 BOTTOM-A

Quant Time: Nov 12 02:40:56 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 07 14:40:53 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.66  | 168  | 140058   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 191582   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 166331   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 87706    | 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   | 79902    | 49.62 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 99.24%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 63385    | 48.64 | ug/l    | -0.01    |
| Spiked Amount               |       |      | Recovery | =     | 97.28%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 225434   | 52.04 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 104.08% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 78510    | 50.41 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.82% |          |

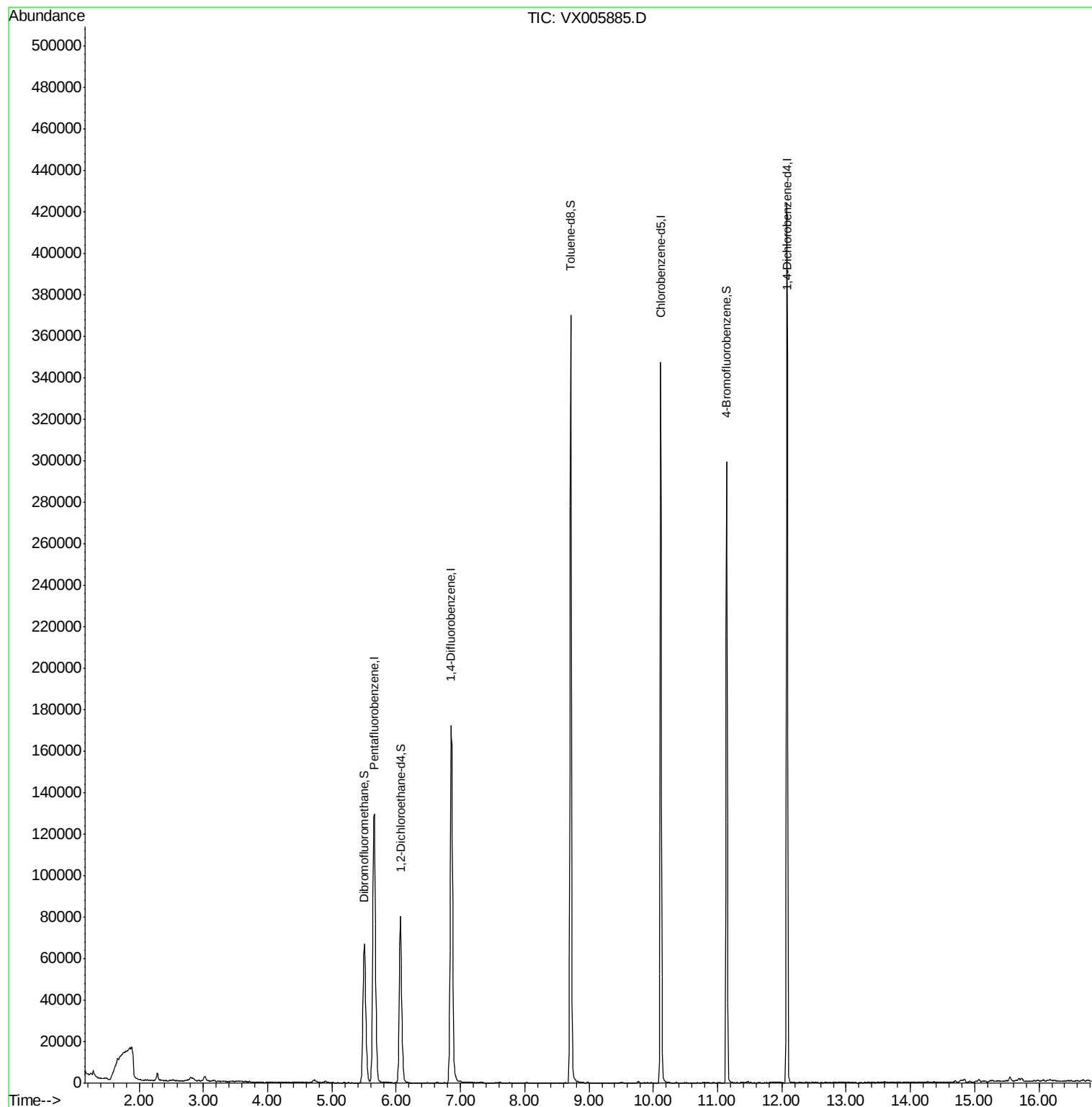
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

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

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ClientSampleId :  
BOTTOM-A

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X110718W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 07 14:40:53 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005885.D

Acq: 10 Nov 2018 02:37

Instrument :

MSVOA\_X

ClientSampled :

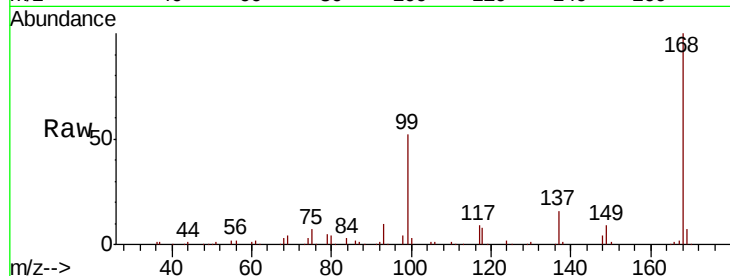
BOTTOM-A

Tot Ion:168 Resp: 140058

Ion Ratio Lower Upper

168 100

99 52.3 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

40000

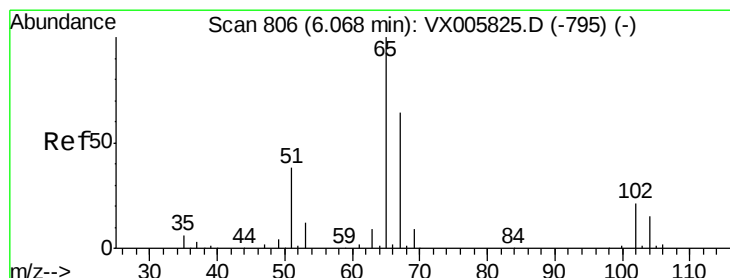
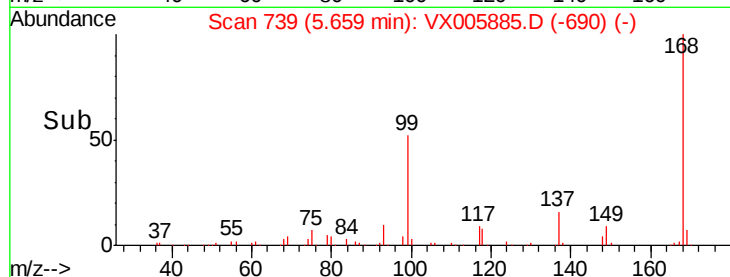
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#33

1,2-Dichloroethane-d4

Concen: 49.624 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005885.D

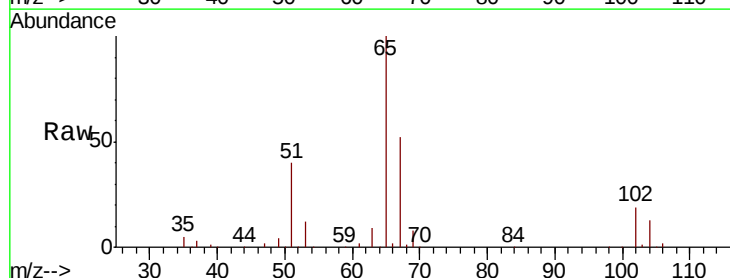
Acq: 10 Nov 2018 02:37

Tgt Ion: 65 Resp: 79902

Ion Ratio Lower Upper

65 100

67 52.8 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

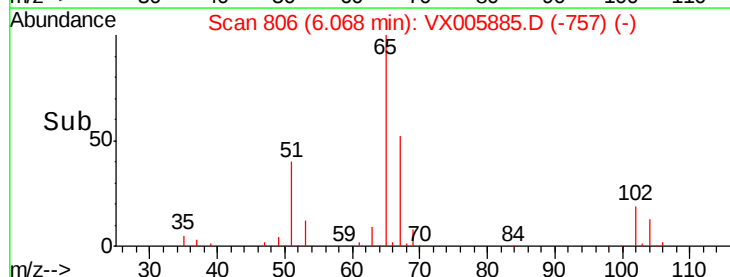
30000

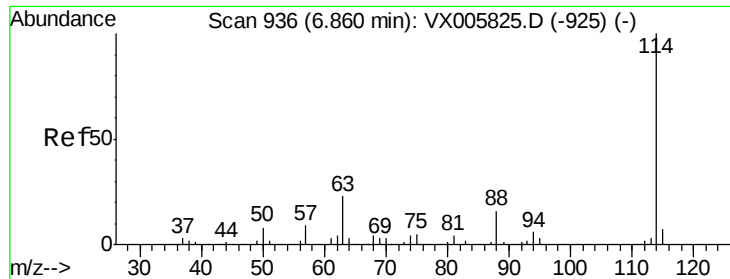
20000

10000

0

Time--> 5.90 6.00 6.10 6.20

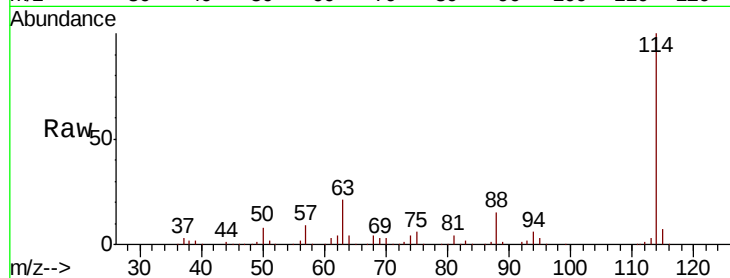




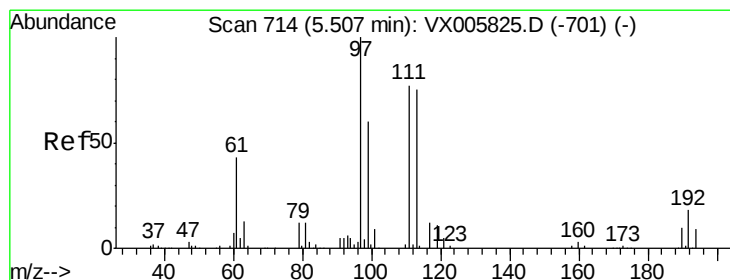
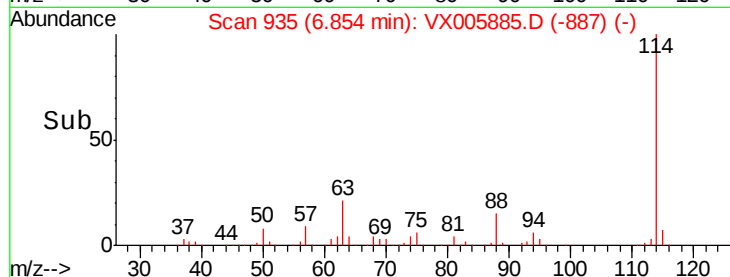
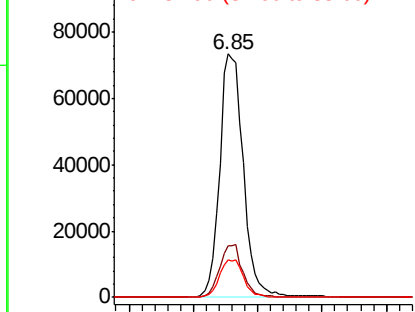
#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.85 min Scan# 935  
Delta R.T. -0.01 min  
Lab File: VX005885.D  
Acq: 10 Nov 2018 02:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
BOTTOM-A

Tot Ion:114 Resp: 191582  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 42.8  
88 15.3 0.0 31.2

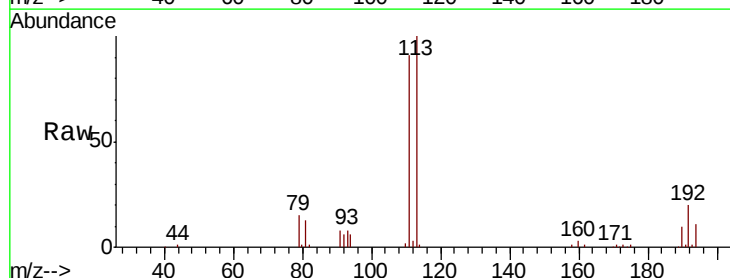


Abundance Ion 113.90 (113.60 to 114.60): V  
Ion 63.00 (62.70 to 63.70): VX0  
Ion 87.90 (87.60 to 88.60): VX0

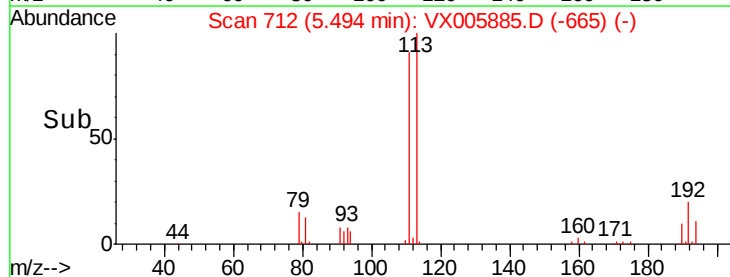
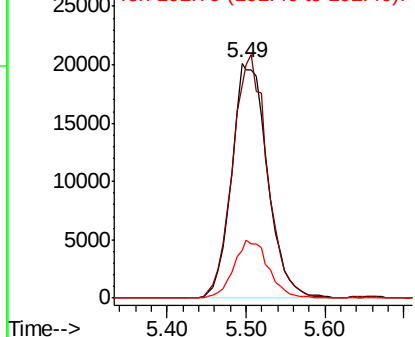


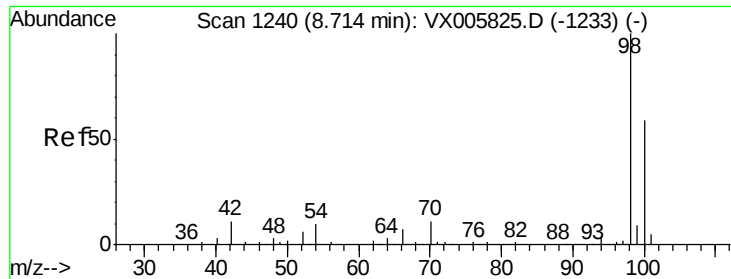
#35  
Dibromofluoromethane  
Concen: 48.644 ug/l  
RT: 5.49 min Scan# 712  
Delta R.T. -0.01 min  
Lab File: VX005885.D  
Acq: 10 Nov 2018 02:37

Tgt Ion:113 Resp: 63385  
Ion Ratio Lower Upper  
113 100  
111 100.6 82.3 123.5  
192 23.5 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: 52.038 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005885.D

Acq: 10 Nov 2018 02:37

Instrument :

MSVOA\_X

ClientSampleId :

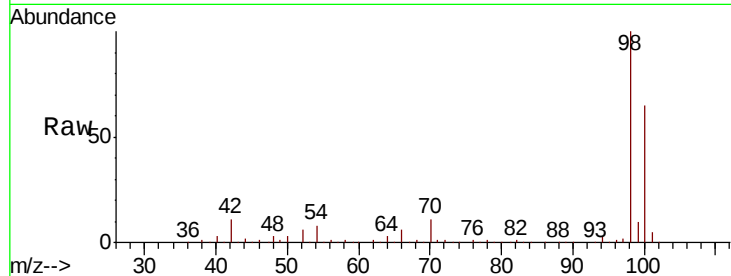
BOTTOM-A

Tot Ion: 98 Resp: 225434

Ion Ratio Lower Upper

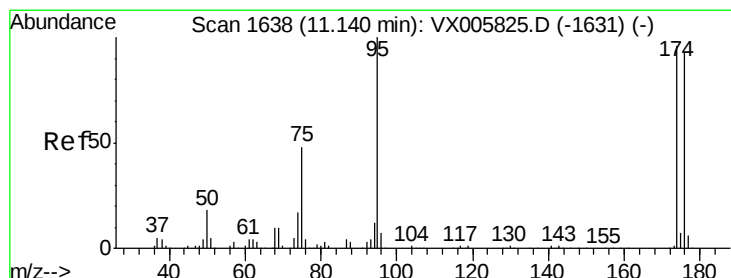
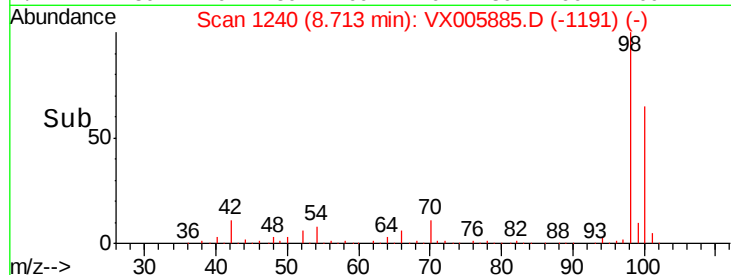
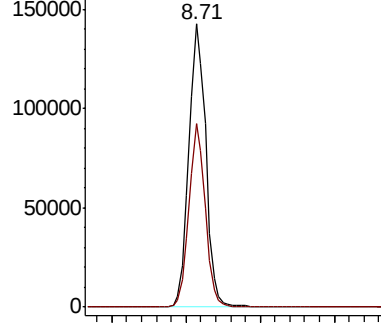
98 100

100 62.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 50.406 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005885.D

Acq: 10 Nov 2018 02:37

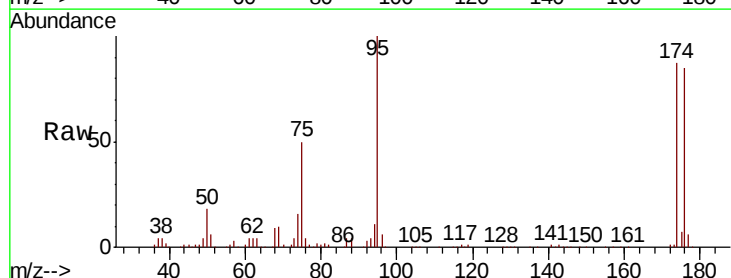
Tgt Ion: 95 Resp: 78510

Ion Ratio Lower Upper

95 100

174 90.4 0.0 184.4

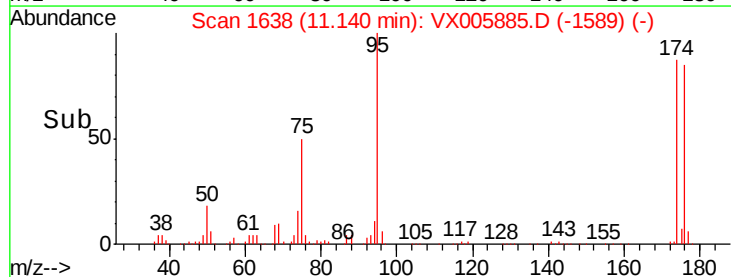
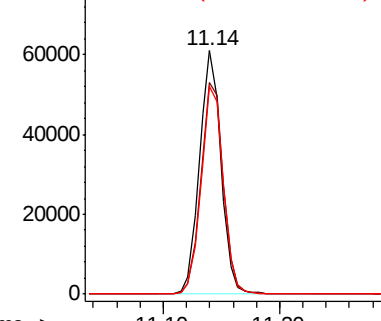
176 88.0 0.0 177.4

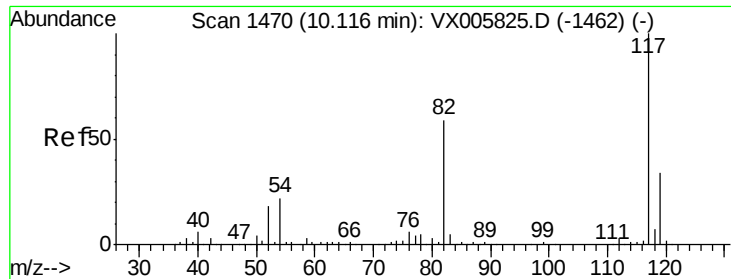


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

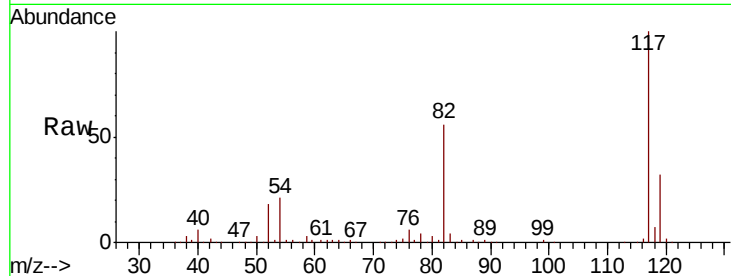




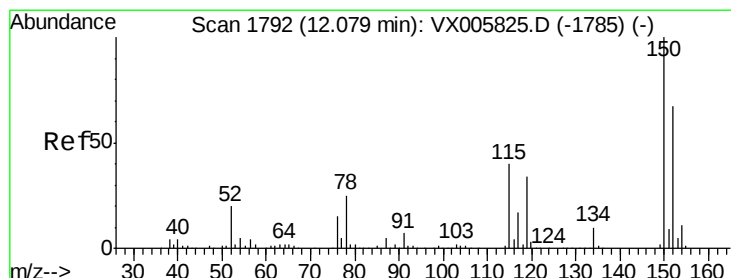
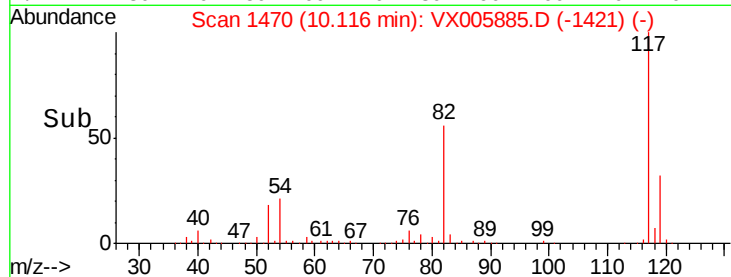
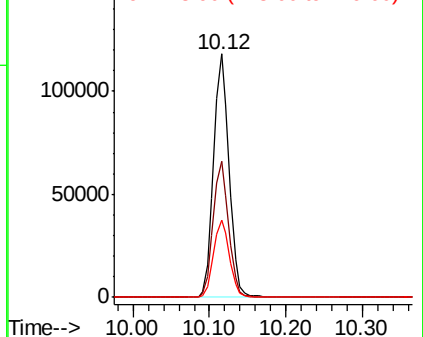
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005885.D  
Acq: 10 Nov 2018 02:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
BOTTOM-A

Tot Ion:117 Resp: 166331  
Ion Ratio Lower Upper  
117 100  
82 55.7 44.1 66.1  
119 31.9 26.2 39.2

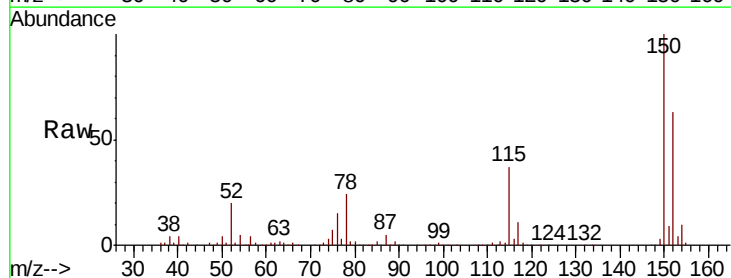


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX005885.D  
Acq: 10 Nov 2018 02:37

Tgt Ion:152 Resp: 87706  
Ion Ratio Lower Upper  
152 100  
115 55.7 39.4 118.1  
150 155.7 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

