

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102519\  
 Data File : VX013201.D  
 Acq On : 24 Oct 2019 10:39  
 Operator : JC/SP  
 Sample : VX1025WBL01  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1025WBL01

Quant Time: Oct 25 01:47:55 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X102419W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 24 03:56:38 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.65  | 168  | 87413    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.85  | 114  | 126076   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.10 | 117  | 122883   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.07 | 152  | 73819    | 50.00 | ug/l  | 0.00     |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 92256    | 50.46 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.92% |          |
| 35) Dibromofluoromethane    | 5.48  | 113  | 70531    | 50.17 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.34% |          |
| 50) Toluene-d8              | 8.71  | 98   | 260863   | 50.07 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 100.14% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 96232    | 46.66 | ug/l    | 0.00     |
| Spiked Amount               |       |      | Recovery | =     | 93.32%  |          |

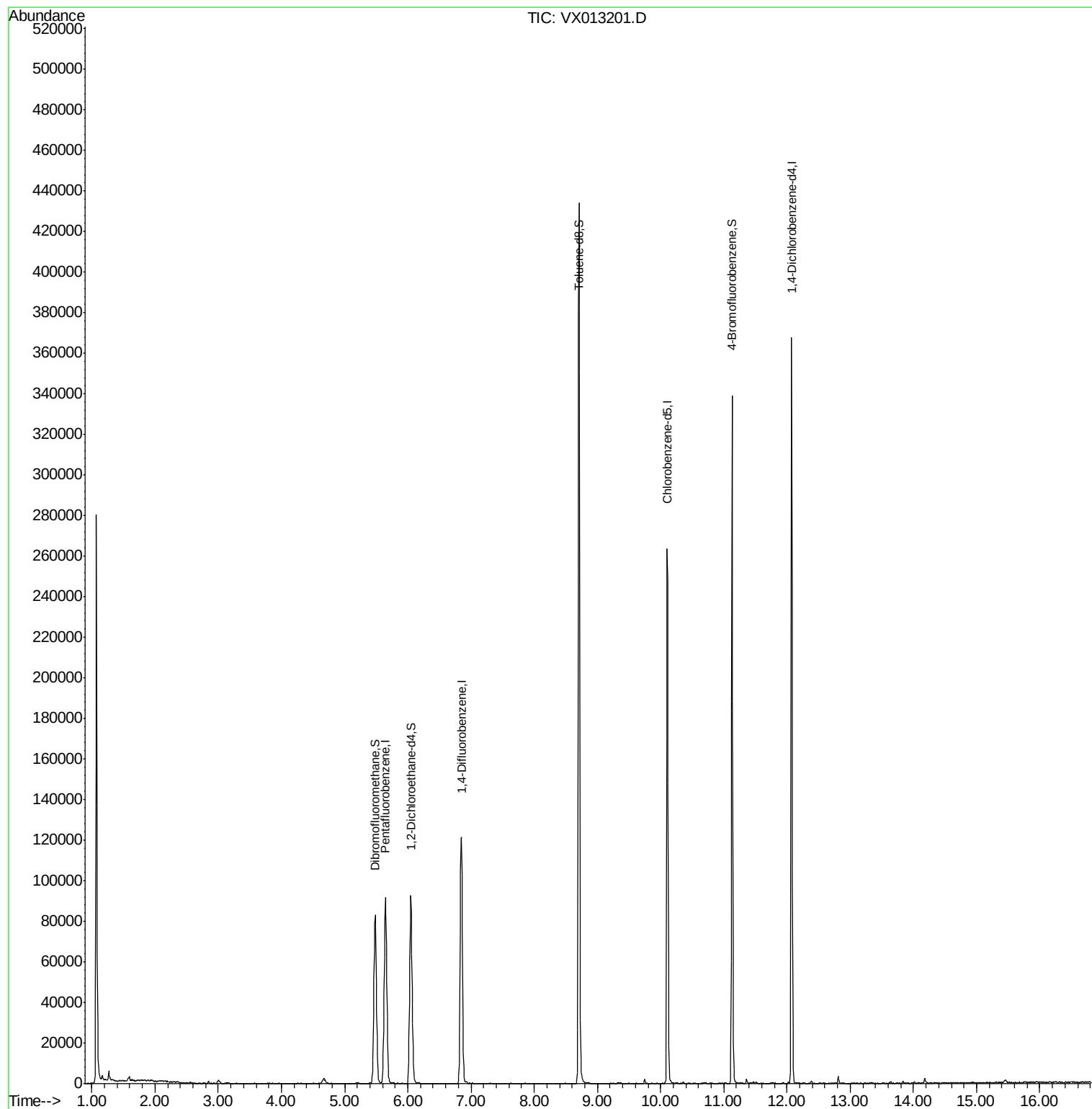
| Target Compounds | Qvalue |
|------------------|--------|
|------------------|--------|

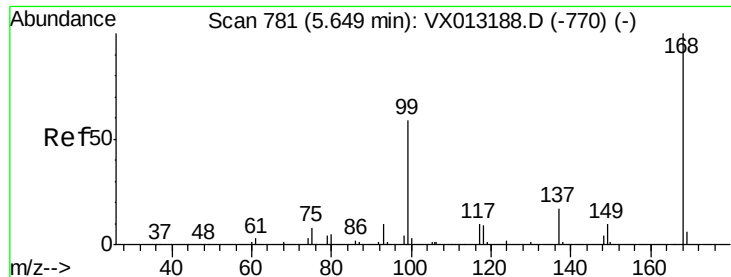
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX102519\  
Data File : VX013201.D  
Acq On : 24 Oct 2019 10:39  
Operator : JC/SP  
Sample : VX1025WBL01  
Misc : 5.0mL/MSVOA X/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1025WBL01

Quant Time: Oct 25 01:47:55 2019  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X102419W.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 24 03:56:38 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013201.D

Acq: 24 Oct 2019 10:39

Instrument :

MSVOA\_X

ClientSampleId :

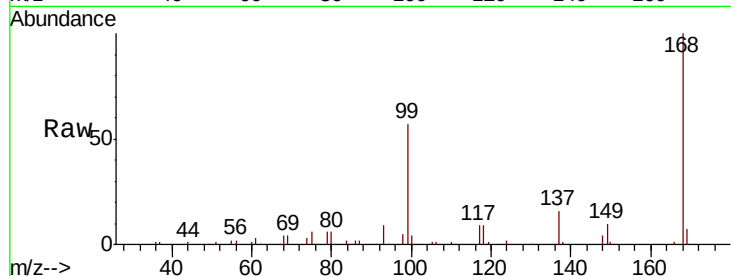
VX1025WBL01

Tot Ion:168 Resp: 87413

Ion Ratio Lower Upper

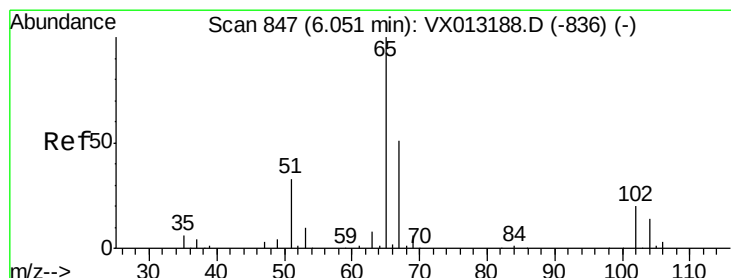
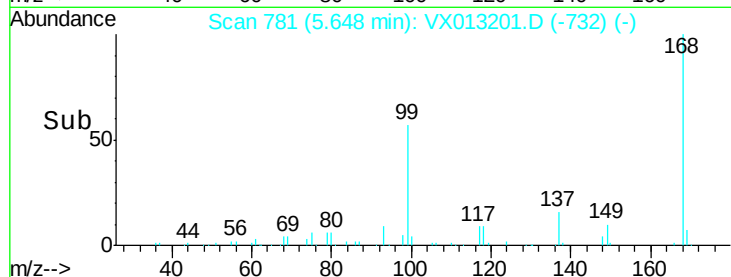
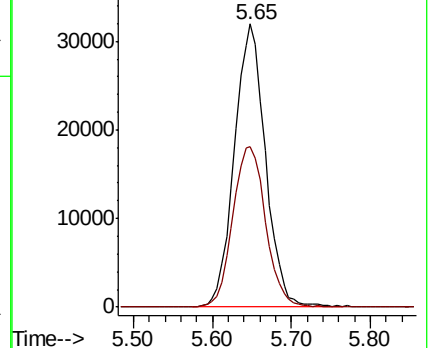
168 100

99 56.8 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.460 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX013201.D

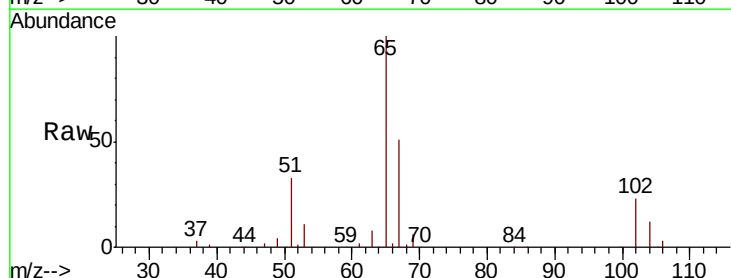
Acq: 24 Oct 2019 10:39

Tgt Ion: 65 Resp: 92256

Ion Ratio Lower Upper

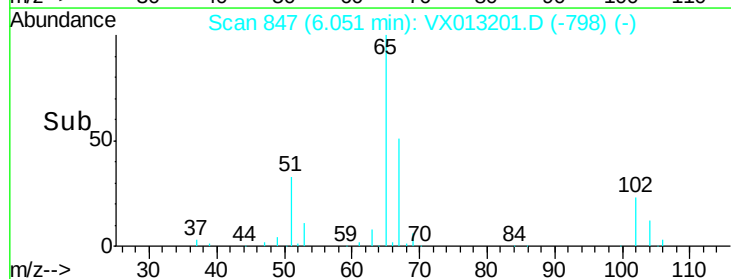
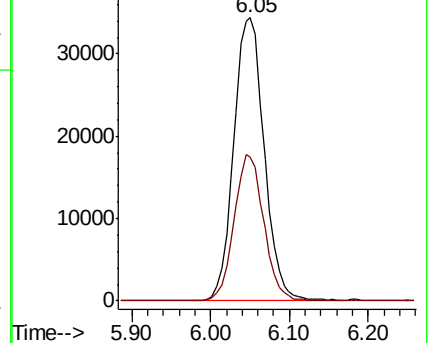
65 100

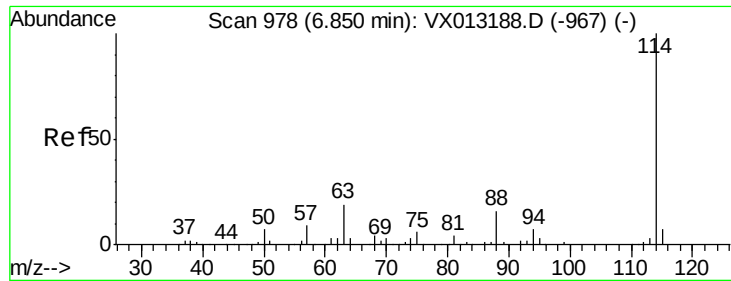
67 50.3 0.0 102.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

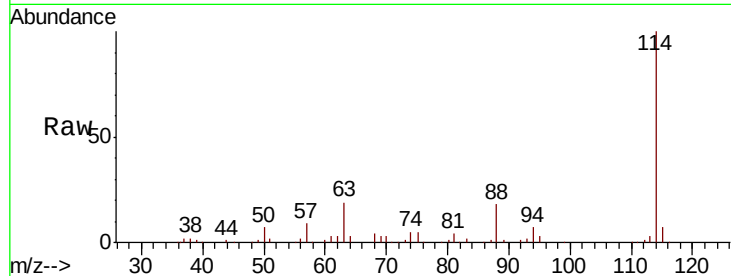




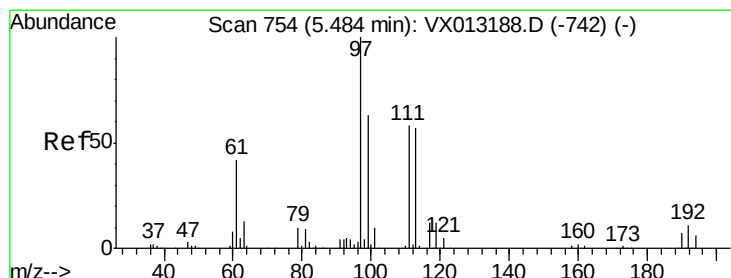
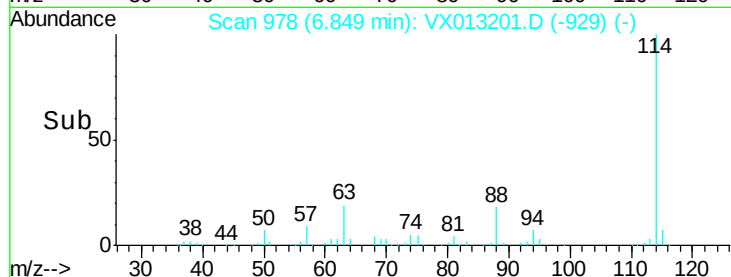
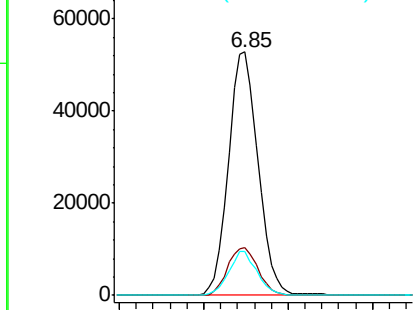
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 978  
 Delta R.T. -0.00 min  
 Lab File: VX013201.D  
 Acq: 24 Oct 2019 10:39

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1025WBL01

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 114     | 100   |       |       |
| 63      | 19.4  | 0.0   | 39.0  |
| 88      | 18.0  | 0.0   | 32.0  |

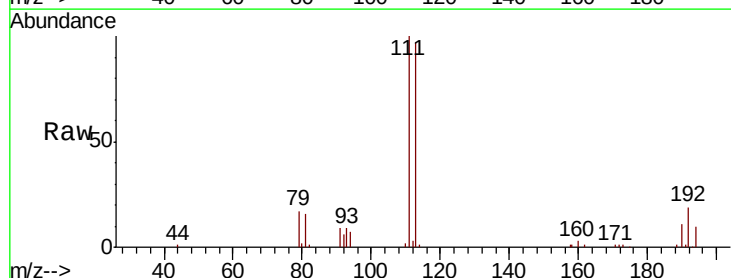


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

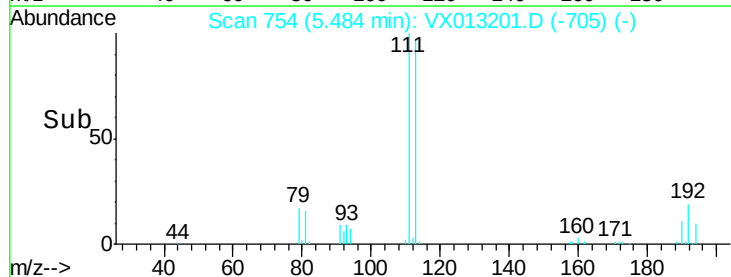
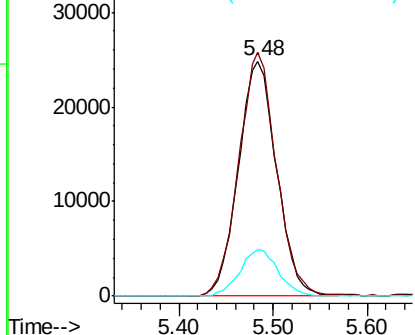


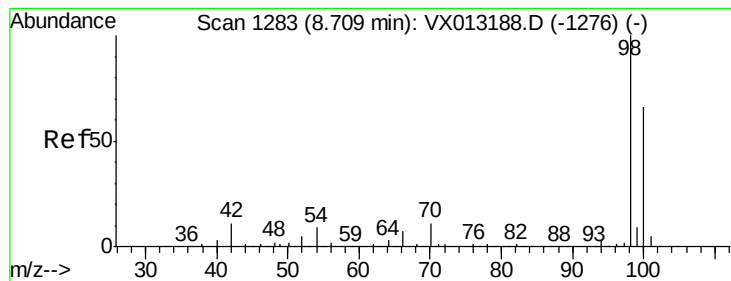
#35  
 Dibromofluoromethane  
 Concen: 50.167 ug/l  
 RT: 5.48 min Scan# 754  
 Delta R.T. -0.00 min  
 Lab File: VX013201.D  
 Acq: 24 Oct 2019 10:39

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 102.4 | 80.3  | 120.5 |
| 192     | 20.0  | 15.9  | 23.9  |



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: 50.068 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013201.D

Acq: 24 Oct 2019 10:39

Instrument :

MSVOA\_X

ClientSampleId :

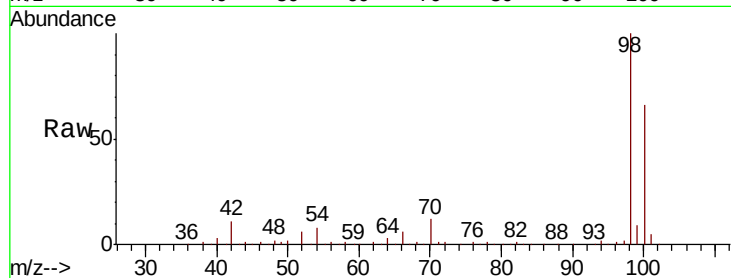
VX1025WBL01

Tot Ion: 98 Resp: 260863

Ion Ratio Lower Upper

98 100

100 66.5 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.71

150000

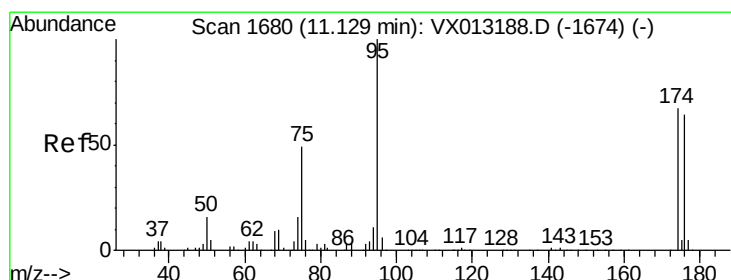
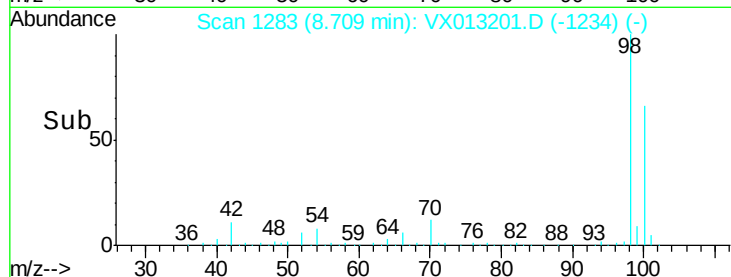
100000

50000

0

Time-->

8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 46.664 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VX013201.D

Acq: 24 Oct 2019 10:39

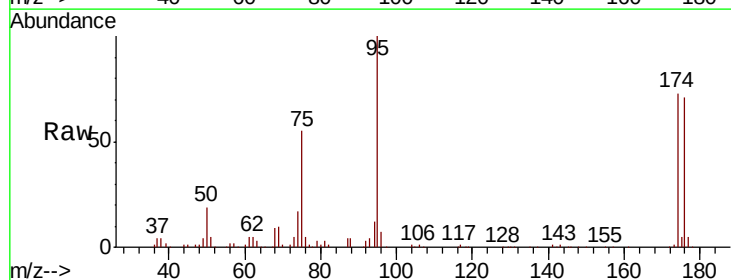
Tgt Ion: 95 Resp: 96232

Ion Ratio Lower Upper

95 100

174 78.1 0.0 152.4

176 74.6 0.0 146.0



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

100000

80000

60000

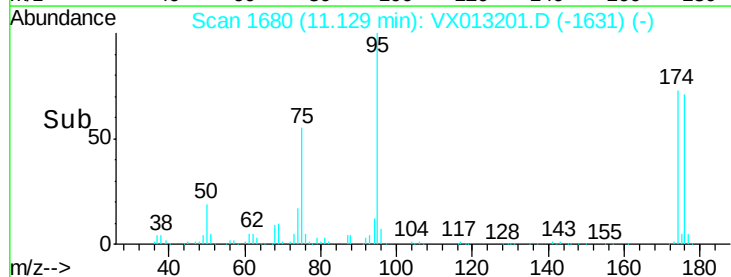
40000

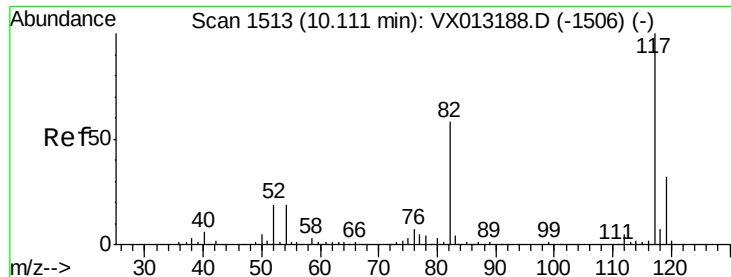
20000

0

Time-->

11.10 11.20

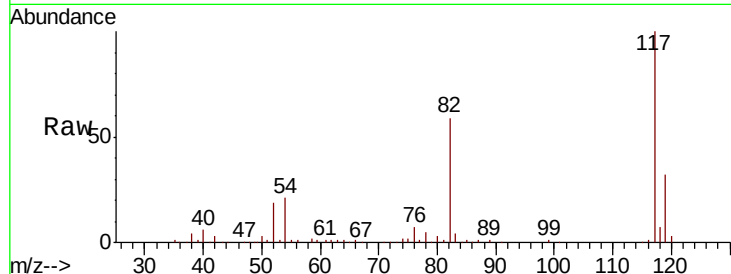




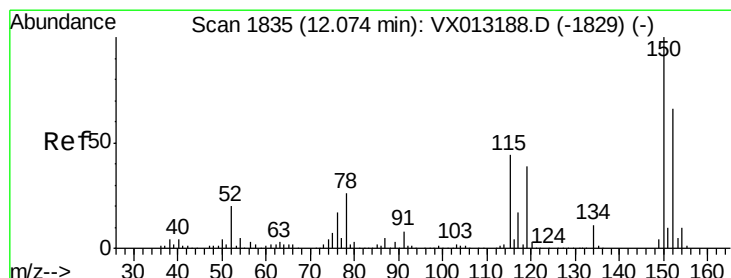
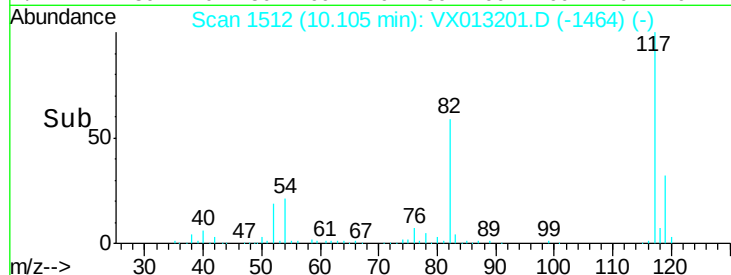
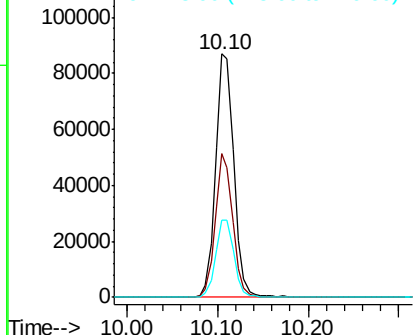
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.10 min Scan# 1512  
Delta R.T. -0.01 min  
Lab File: VX013201.D  
Acq: 24 Oct 2019 10:39

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1025WBL01

Tot Ion:117 Resp: 122883  
Ion Ratio Lower Upper  
117 100  
82 59.0 46.5 69.7  
119 31.6 25.2 37.8

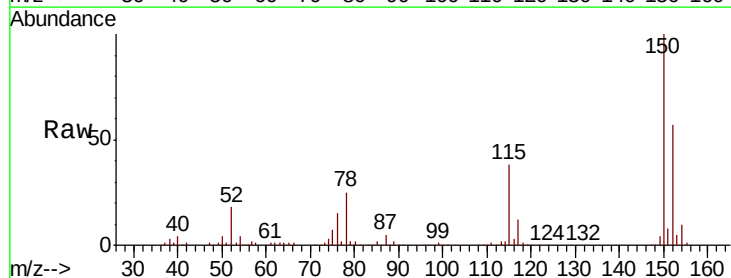


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013201.D  
Acq: 24 Oct 2019 10:39

Tgt Ion:152 Resp: 73819  
Ion Ratio Lower Upper  
152 100  
115 64.5 46.6 139.8  
150 156.7 0.0 354.0



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

