

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\  
 Data File : VX013473.D  
 Acq On : 20 Nov 2019 12:23  
 Operator : JC/SP  
 Sample : K5949-03  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OUTFALL001-191119

Quant Time: Nov 21 01:24:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X103119W.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 02 07:06:38 2019  
 Response via : Initial Calibration

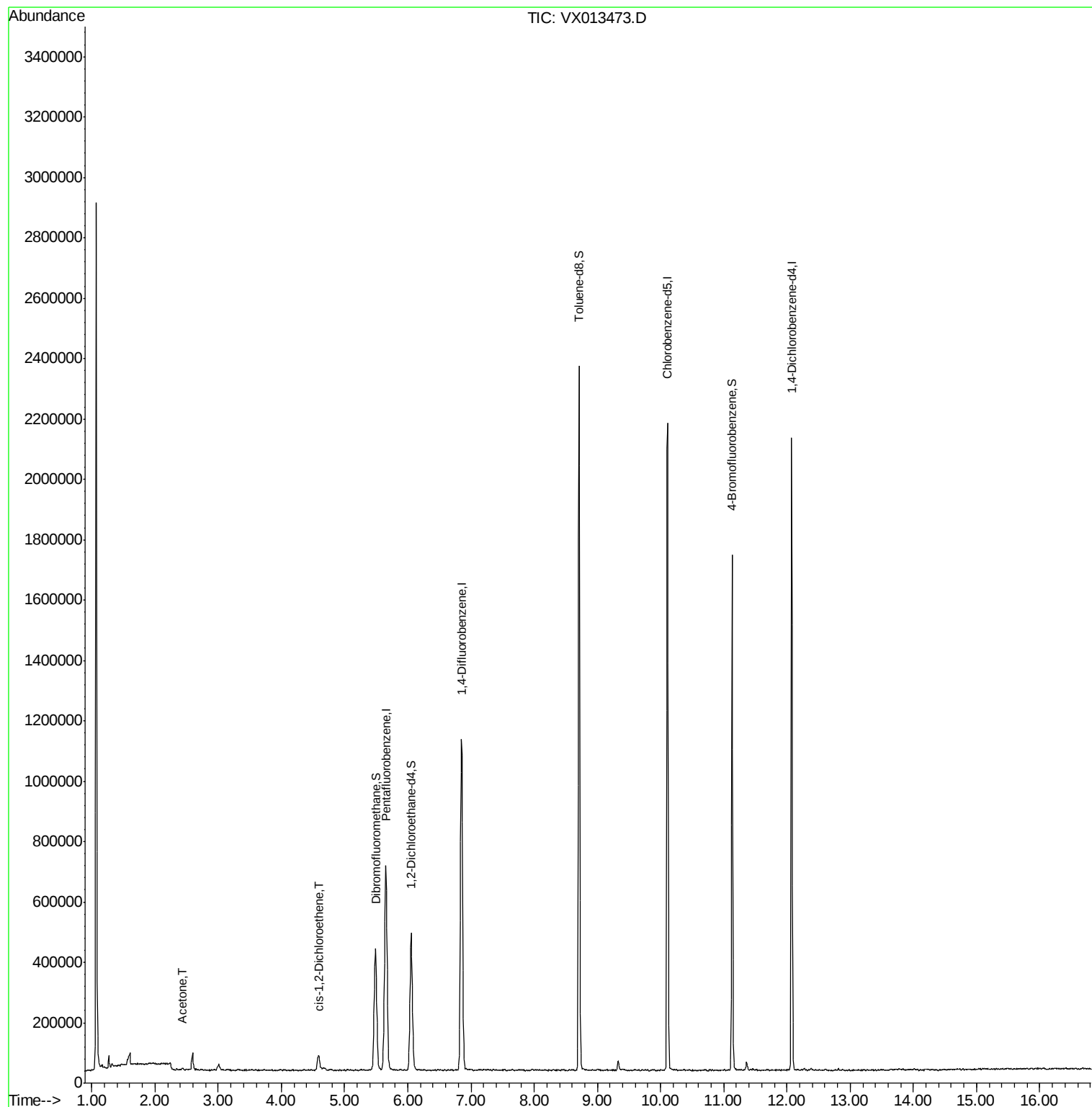
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 706966   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 1134263  | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 1002873  | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 432381   | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.05  | 65   | 415904   | 49.66 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 99.32%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 349178   | 49.08 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.16%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 1357950  | 50.63 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.26% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 441617   | 45.62 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 91.24%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 16) Acetone                 | 2.44  | 43   | 7829     | 1.874 | ug/l    | 89       |
| 27) cis-1,2-Dichloroethene  | 4.58  | 96   | 31870    | 4.029 | ug/l    | 88       |

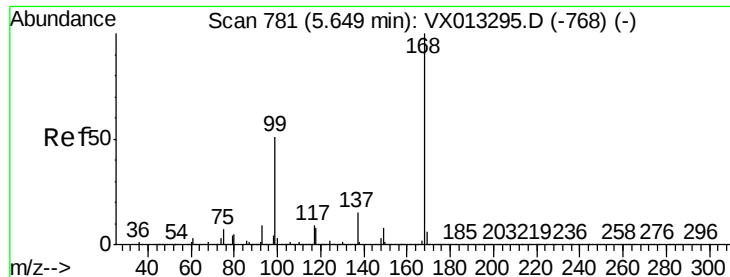
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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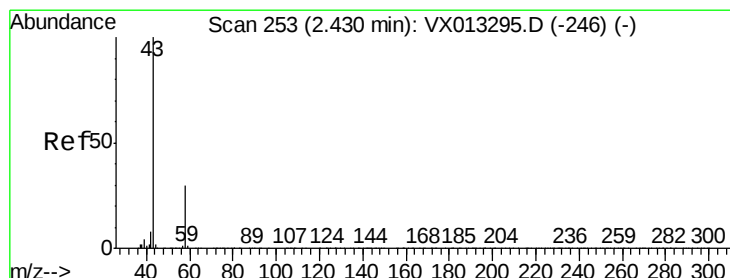
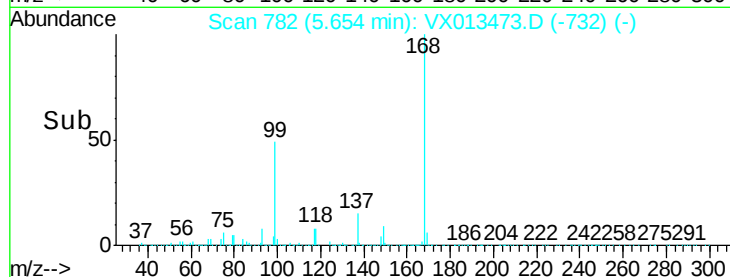
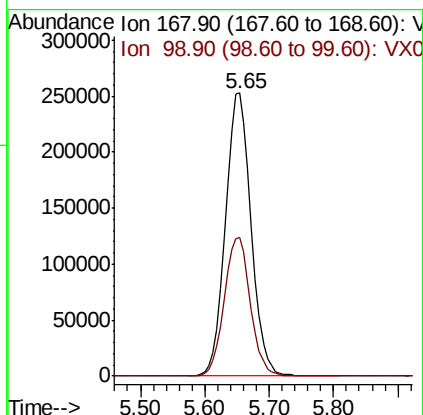
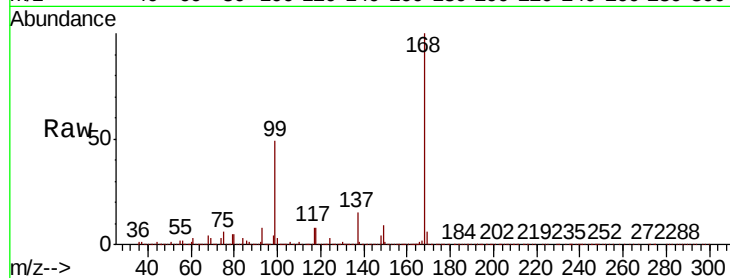


#1

Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 5.65 min Scan# 782  
 Delta R.T. 0.01 min  
 Lab File: VX013473.D  
 Acq: 20 Nov 2019 12:23

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OUTFALL001-191119

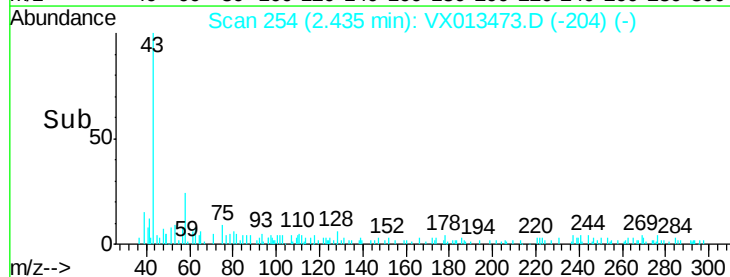
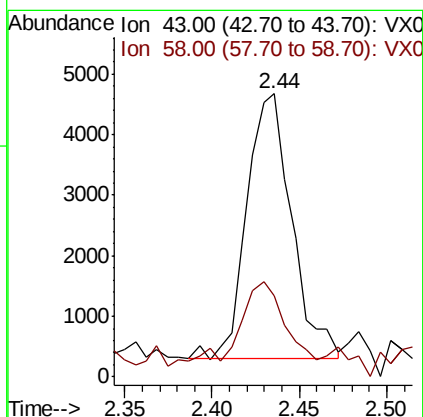
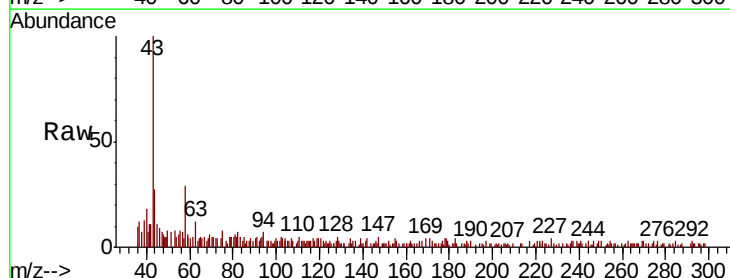
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 168     | 100   |       |       |
| 99      | 49.1  | 40.8  | 61.2  |

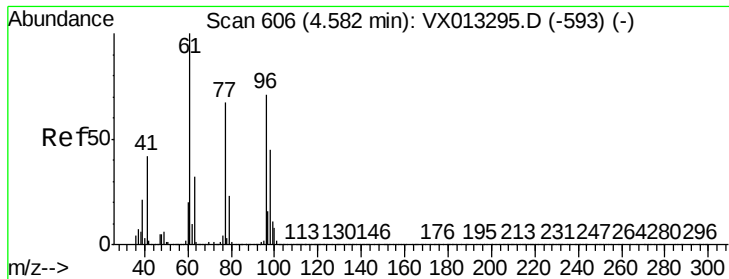


#16

Acetone  
 Concen: 1.874 ug/l  
 RT: 2.44 min Scan# 254  
 Delta R.T. 0.01 min  
 Lab File: VX013473.D  
 Acq: 20 Nov 2019 12:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 24.6  | 24.3  | 36.5  |



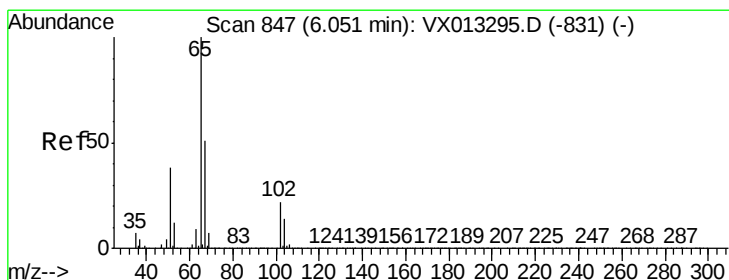
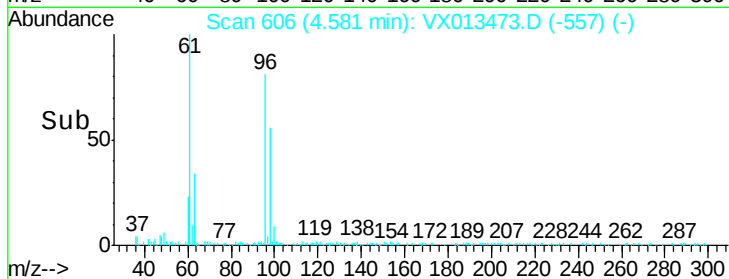
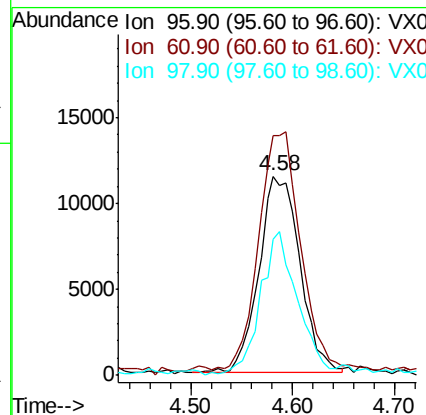
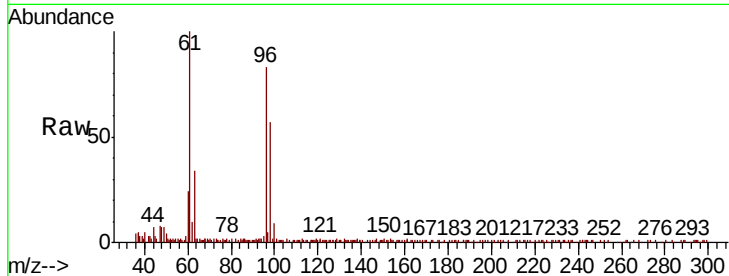


#27

cis-1,2-Dichloroethene  
Concen: 4.029 ug/l  
RT: 4.58 min Scan# 606  
Delta R.T. -0.00 min  
Lab File: VX013473.D  
Acq: 20 Nov 2019 12:23

Instrument :  
MSVOA\_X  
ClientSampleId :  
OUTFALL001-191119

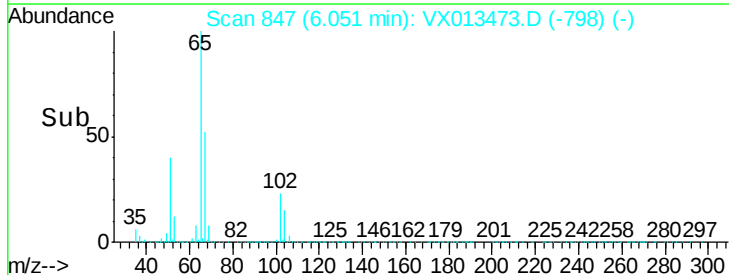
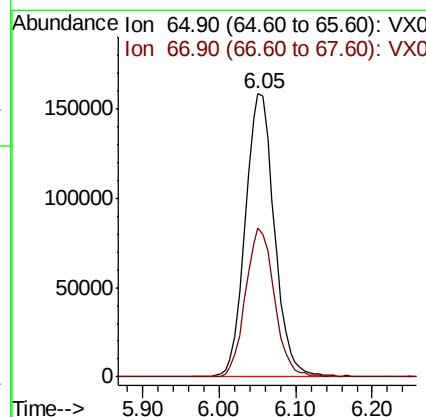
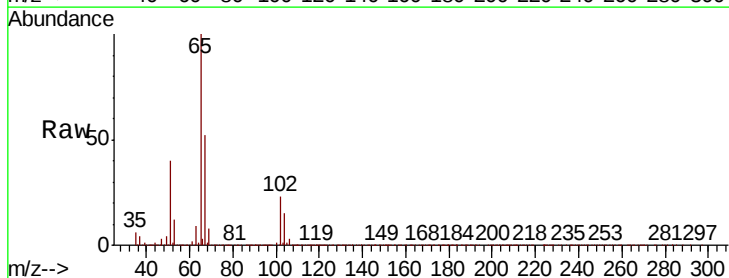
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 96      | 100   |       |       |
| 61      | 123.8 | 0.0   | 288.0 |
| 98      | 67.0  | 0.0   | 129.6 |

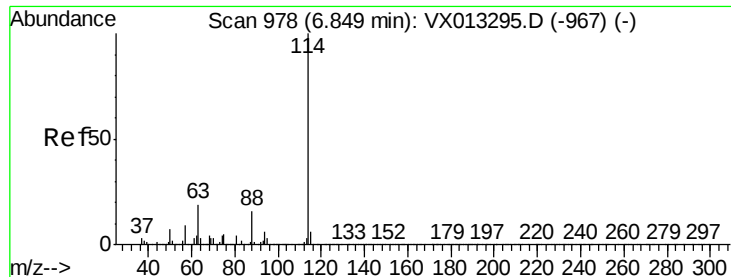


#33

1,2-Dichloroethane-d4  
Concen: 49.658 ug/l  
RT: 6.05 min Scan# 847  
Delta R.T. -0.00 min  
Lab File: VX013473.D  
Acq: 20 Nov 2019 12:23

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 65      | 100   |       |       |
| 67      | 52.4  | 0.0   | 104.2 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

Instrument :

MSVOA\_X

ClientSampleId :

OUTFALL001-191119

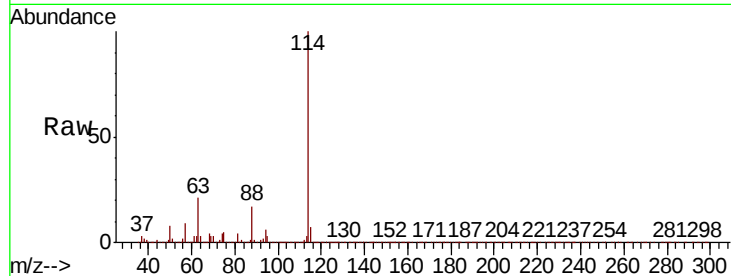
Tot Ion:114 Resp: 1134263

Ion Ratio Lower Upper

114 100

63 20.9 0.0 38.4

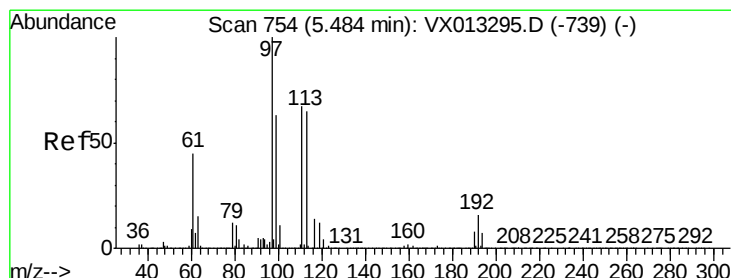
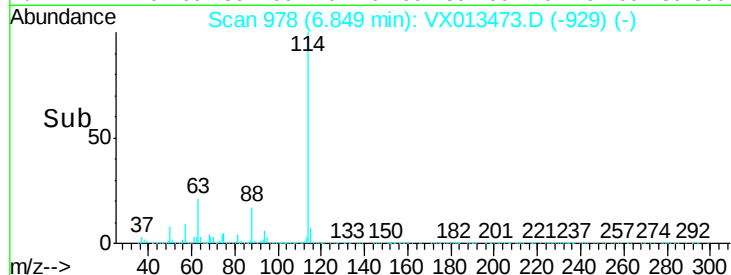
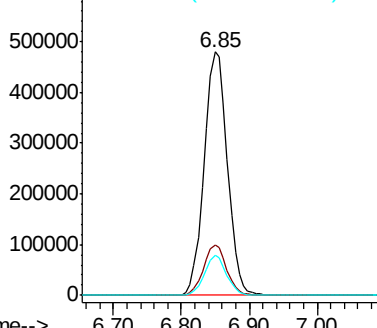
88 16.6 0.0 32.2



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: 49.082 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX013473.D

Acq: 20 Nov 2019 12:23

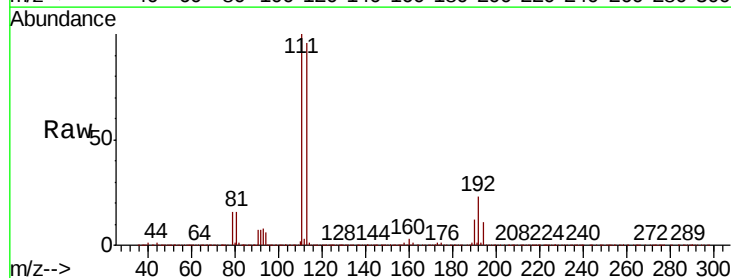
Tgt Ion:113 Resp: 349178

Ion Ratio Lower Upper

113 100

111 102.0 81.9 122.9

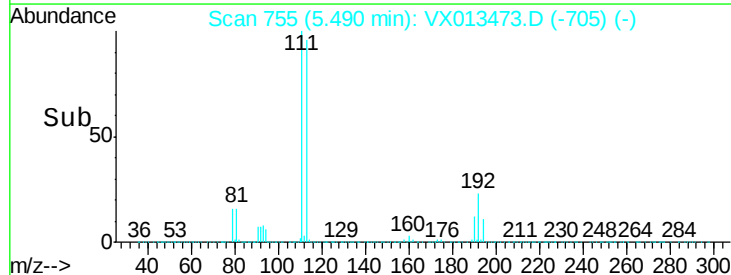
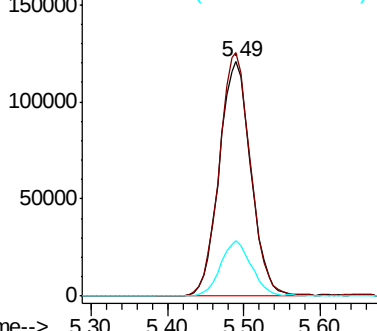
192 22.6 19.1 28.7

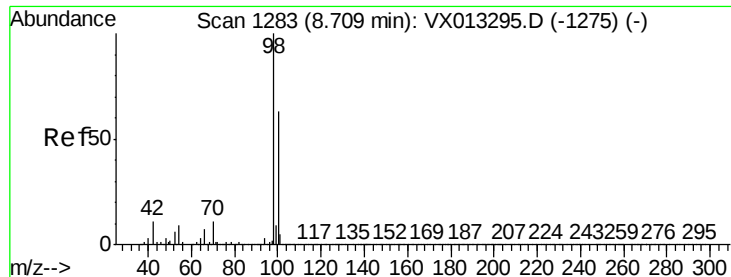


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

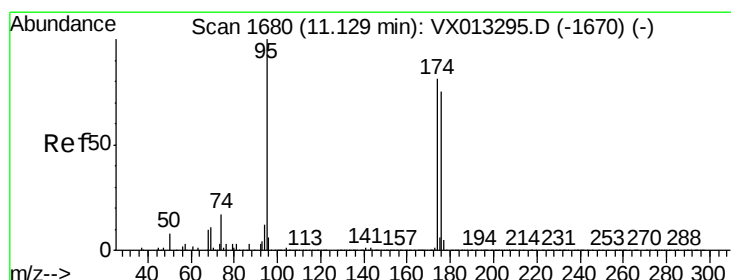
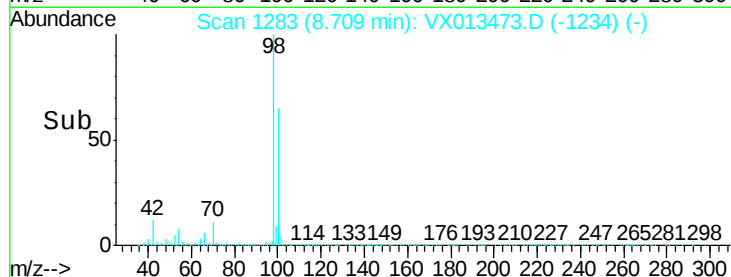
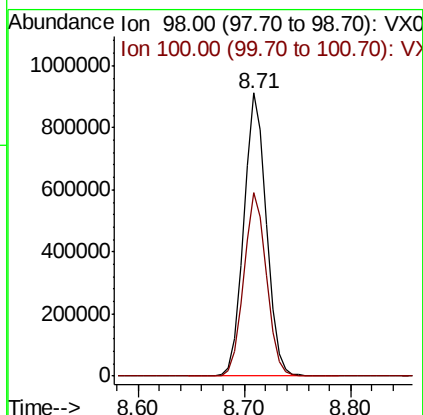
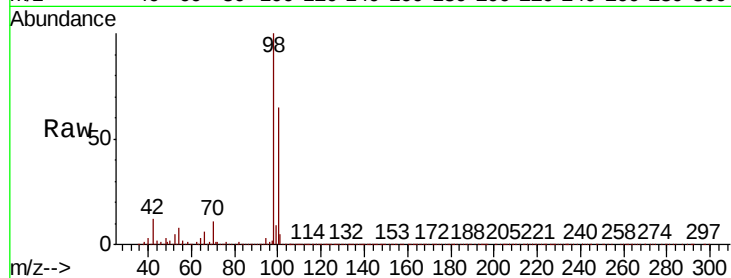




#50  
Toluene-d8  
Concen: 50.632 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX013473.D  
Acq: 20 Nov 2019 12:23

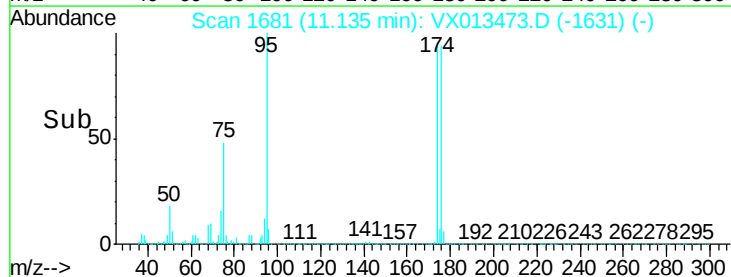
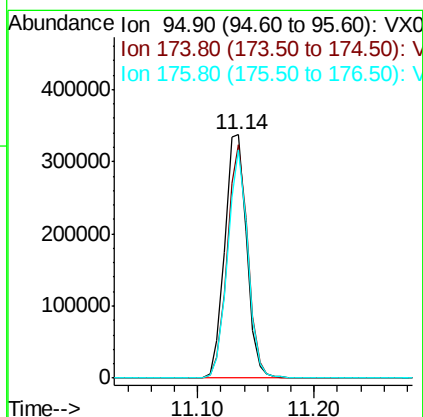
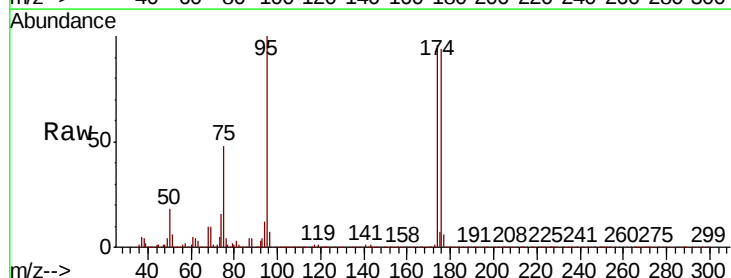
Instrument :  
MSVOA\_X  
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OUTFALL001-191119

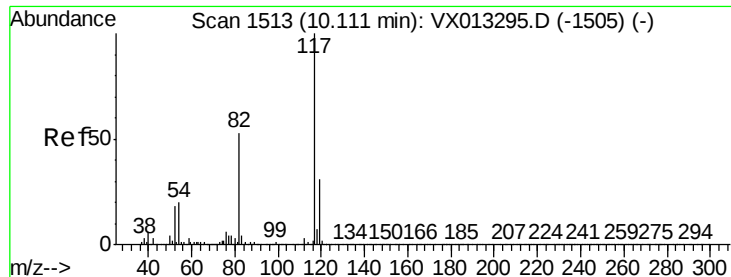
Tot Ion: 98 Resp: 1357950  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.2 78.2



#62  
4-Bromofluorobenzene  
Concen: 45.624 ug/l  
RT: 11.14 min Scan# 1681  
Delta R.T. 0.01 min  
Lab File: VX013473.D  
Acq: 20 Nov 2019 12:23

Tgt Ion: 95 Resp: 441617  
Ion Ratio Lower Upper  
95 100  
174 89.8 0.0 179.8  
176 86.5 0.0 173.0

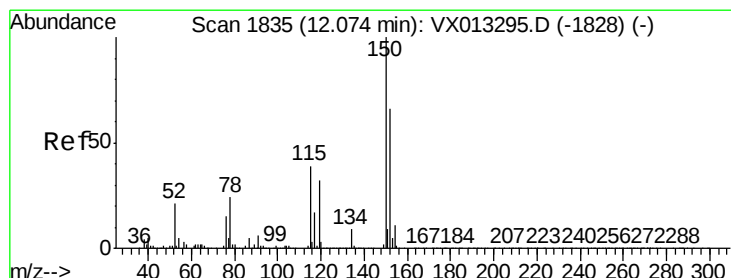
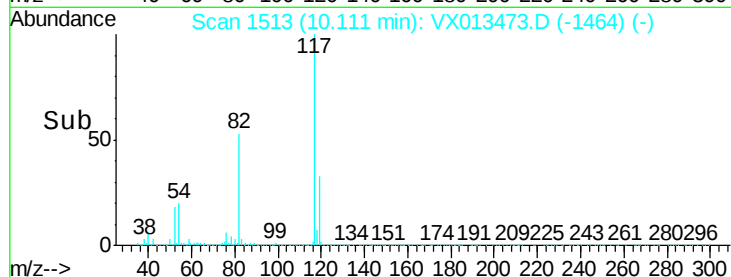
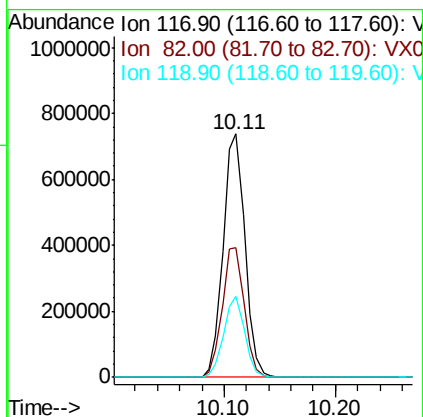
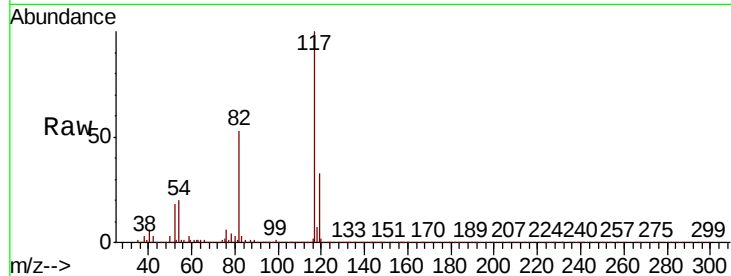




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX013473.D  
Acq: 20 Nov 2019 12:23

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Tot Ion:117 Resp: 1002873  
Ion Ratio Lower Upper  
117 100  
82 53.2 42.6 64.0  
119 33.0 24.8 37.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX013473.D  
Acq: 20 Nov 2019 12:23

Tgt Ion:152 Resp: 432381  
Ion Ratio Lower Upper  
152 100  
115 54.6 39.5 118.3  
150 155.2 0.0 344.4

