

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100319\  
 Data File : VX012781.D  
 Acq On : 03 Oct 2019 14:16  
 Operator : JC/SP  
 Sample : K5159-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 OUTFALL001-191001

Quant Time: Oct 04 07:09:44 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092319W.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Sep 23 12:27:01 2019  
 Response via : Initial Calibration

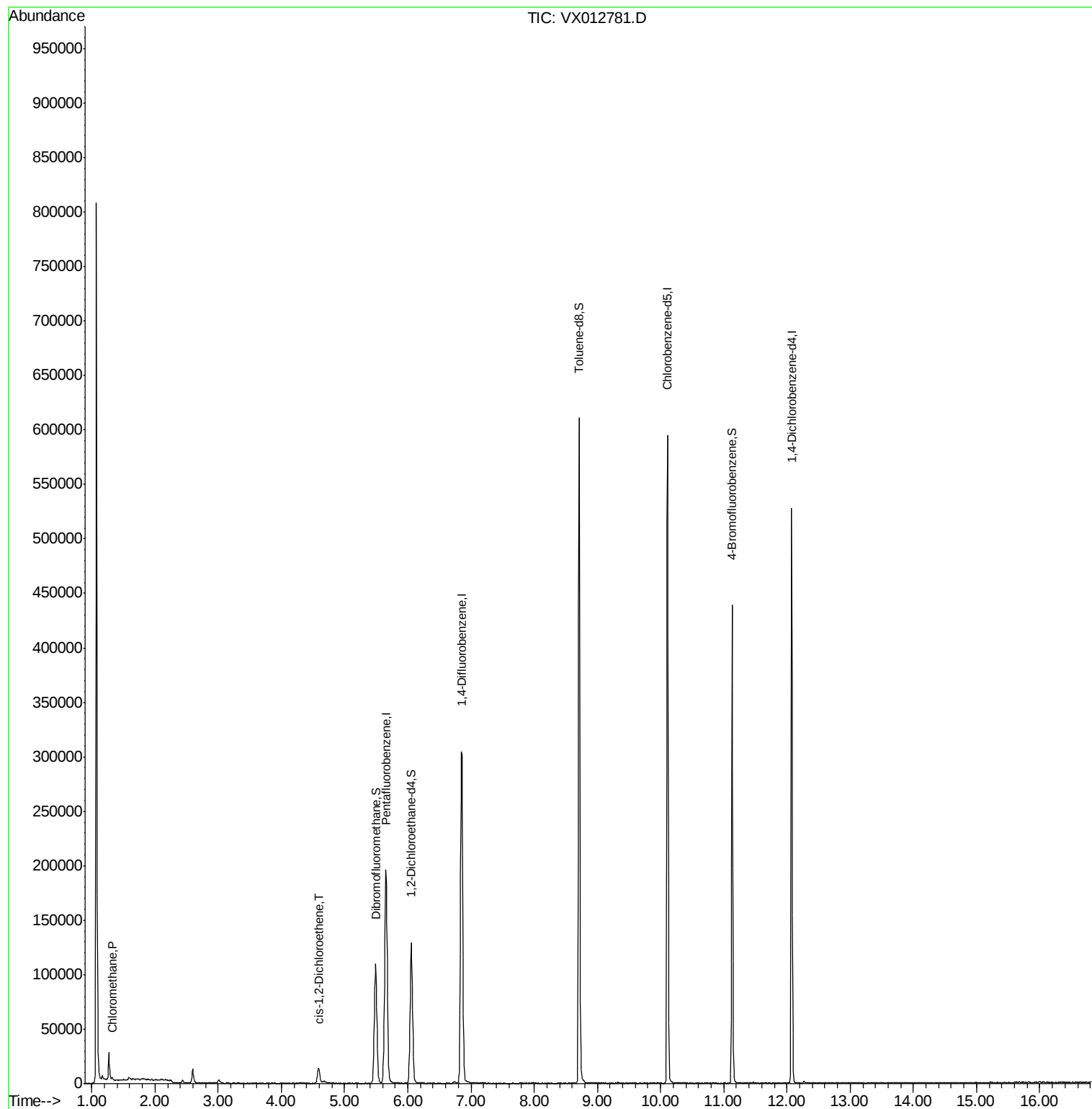
| Internal Standards          | R.T.  | QIon | Response | Conc  | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|-------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 179656   | 50.00 | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 307461   | 50.00 | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 265314   | 50.00 | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 99531    | 50.00 | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |       |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 122802   | 46.94 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 93.88%  |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 92876    | 50.72 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 101.44% |          |
| 50) Toluene-d8              | 8.71  | 98   | 361324   | 51.24 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 102.48% |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 122068   | 44.03 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 88.06%  |          |
| Target Compounds            |       |      |          |       |         |          |
| 3) Chloromethane            | 1.32  | 50   | 1469     | 0.633 | ug/l    | 91       |
| 27) cis-1,2-Dichloroethene  | 4.59  | 96   | 8578     | 3.455 | ug/l    | 83       |

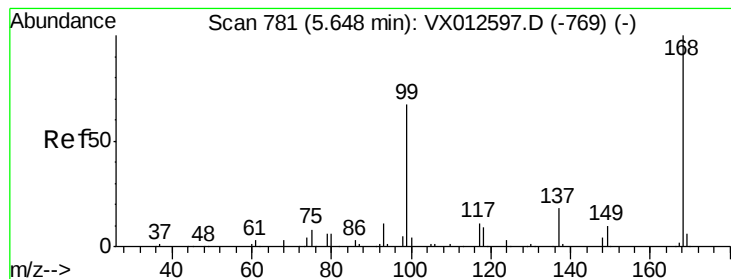
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Mon Sep 23 12:27:01 2019  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012781.D

Acq: 03 Oct 2019 14:16

Instrument :

MSVOA\_X

ClientSampleId :

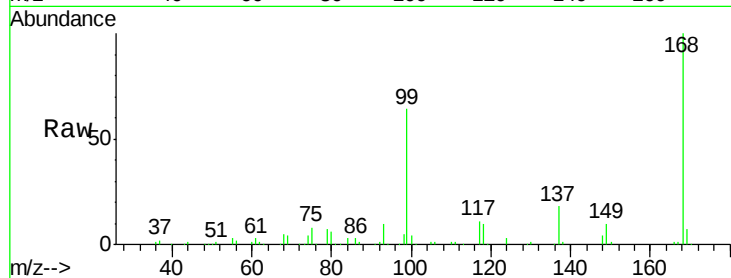
OUTFALL001-191001

Tot Ion:168 Resp: 179656

Ion Ratio Lower Upper

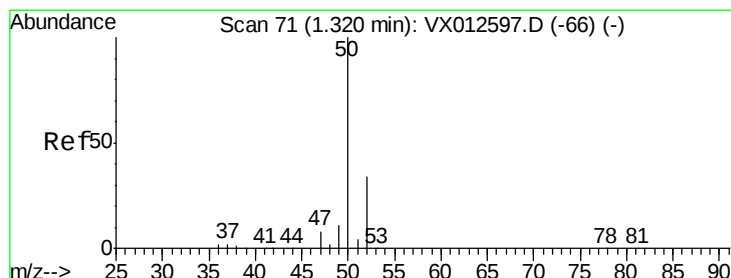
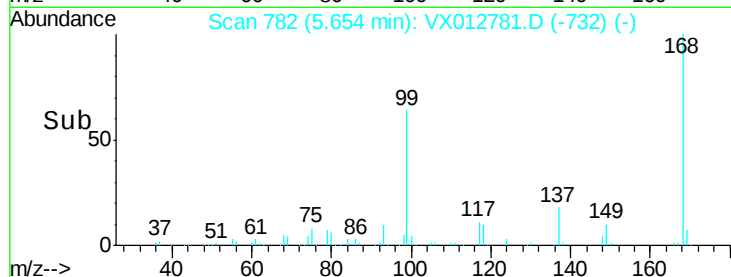
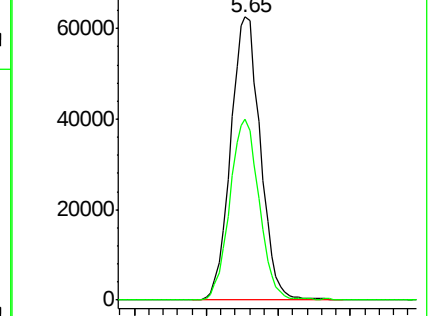
168 100

99 64.0 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.633 ug/l

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VX012781.D

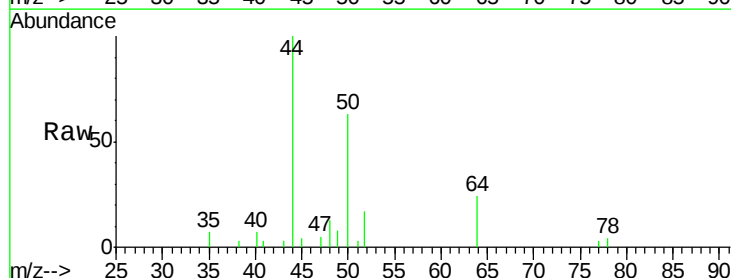
Acq: 03 Oct 2019 14:16

Tgt Ion: 50 Resp: 1469

Ion Ratio Lower Upper

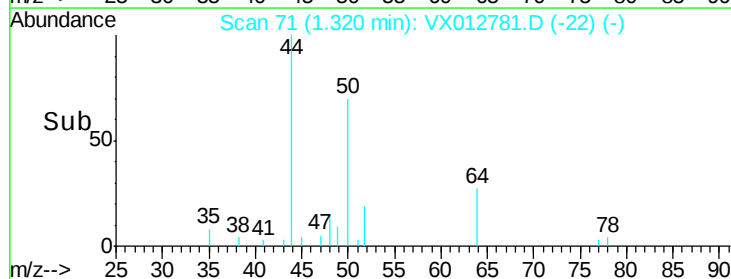
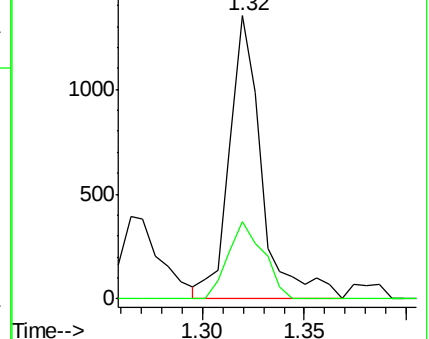
50 100

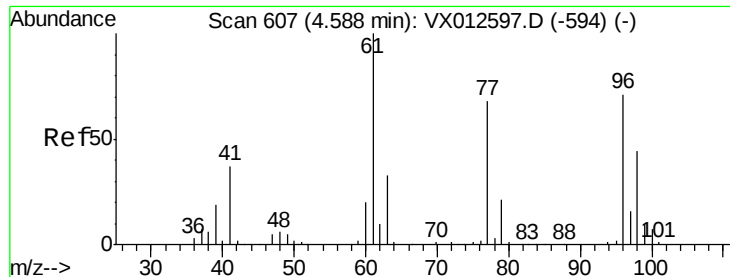
52 27.3 25.7 38.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



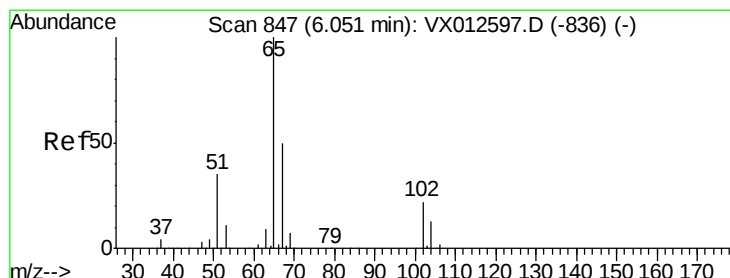
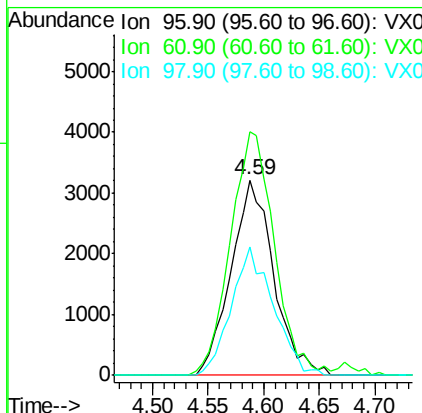
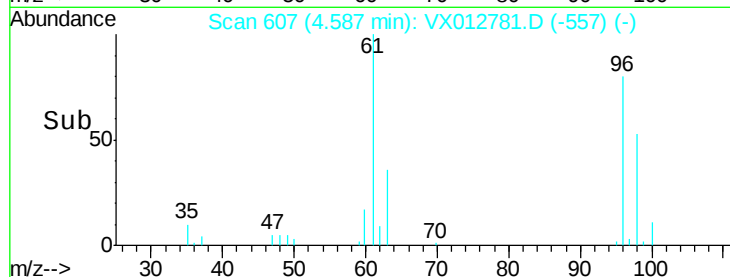
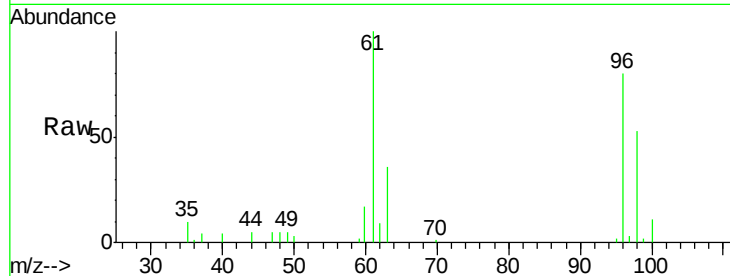


#27

cis-1,2-Dichloroethene  
Concen: 3.455 ug/l  
RT: 4.59 min Scan# 607  
Delta R.T. 0.01 min  
Lab File: VX012781.D  
Acq: 03 Oct 2019 14:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
OUTFALL001-191001

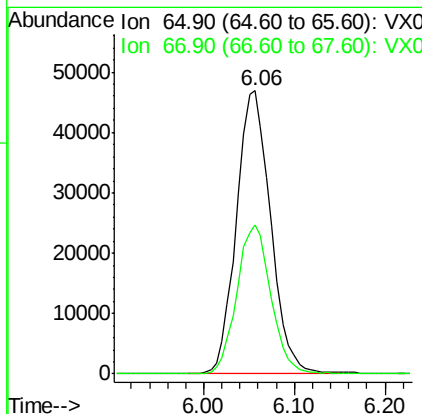
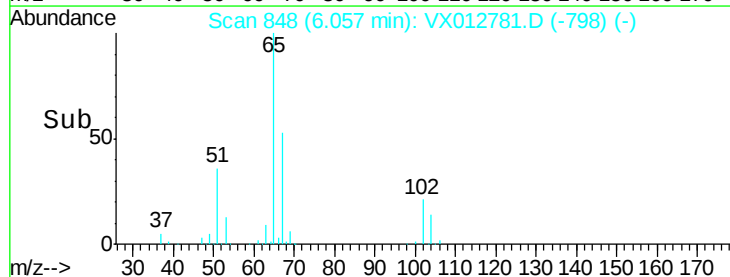
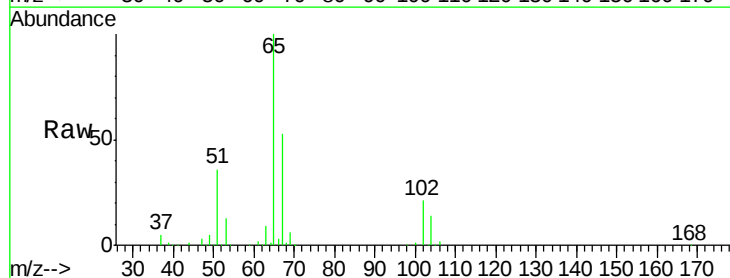
Tot Ion: 96 Resp: 8578  
Ion Ratio Lower Upper  
96 100  
61 128.2 0.0 319.4  
98 64.6 0.0 130.6

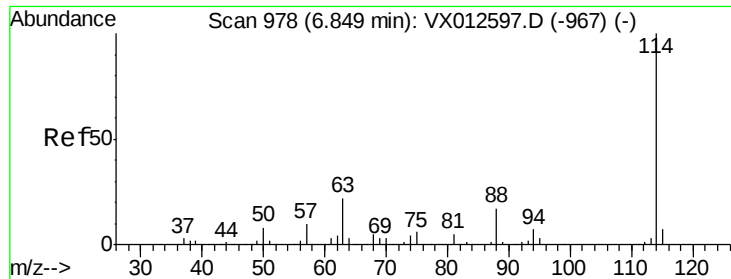


#33

1,2-Dichloroethane-d4  
Concen: 46.940 ug/l  
RT: 6.06 min Scan# 848  
Delta R.T. 0.01 min  
Lab File: VX012781.D  
Acq: 03 Oct 2019 14:16

Tgt Ion: 65 Resp: 122802  
Ion Ratio Lower Upper  
65 100  
67 52.4 0.0 101.2

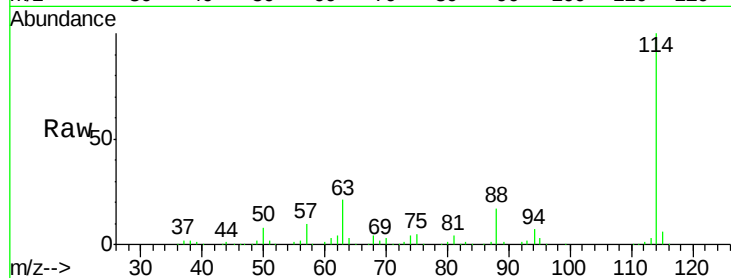




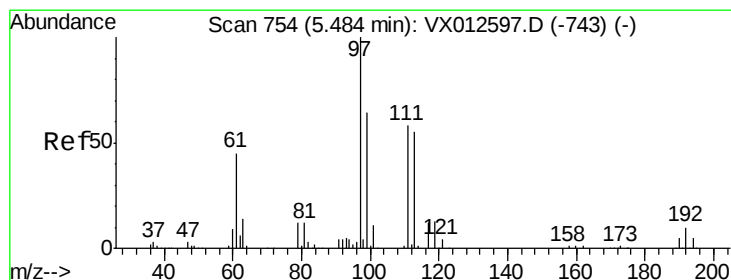
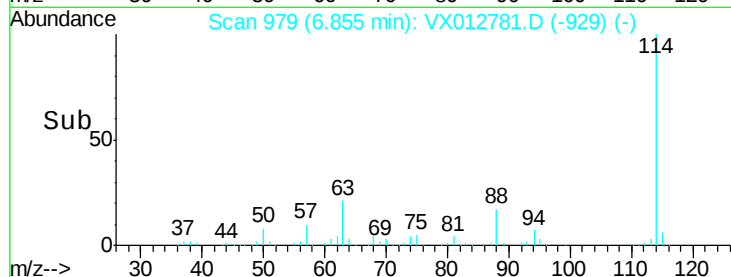
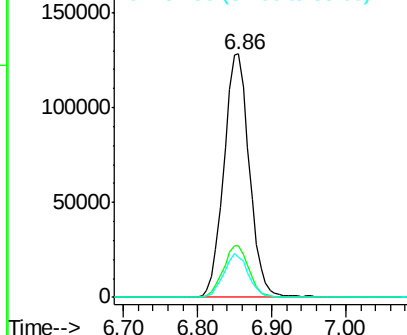
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 979  
 Delta R.T. 0.01 min  
 Lab File: VX012781.D  
 Acq: 03 Oct 2019 14:16

Instrument :  
 MSVOA\_X  
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Tot Ion:114 Resp: 307461  
 Ion Ratio Lower Upper  
 114 100  
 63 21.1 0.0 43.2  
 88 16.7 0.0 33.2

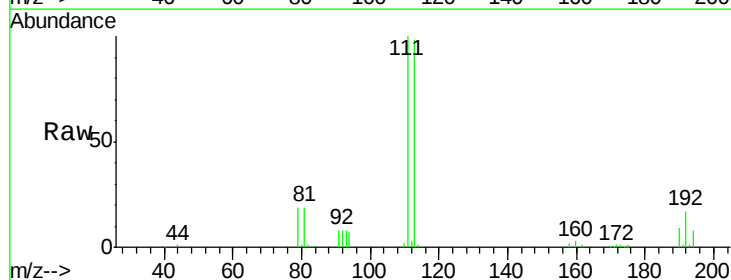


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

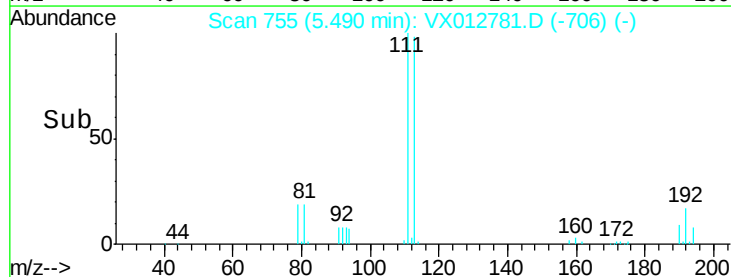
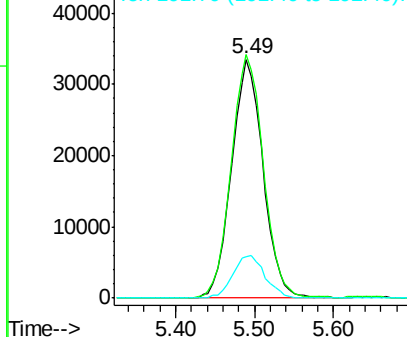


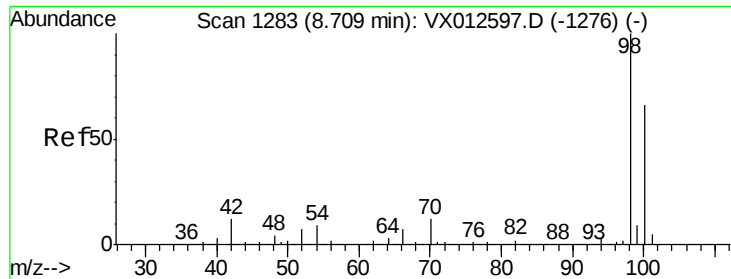
#35  
 Dibromofluoromethane  
 Concen: 50.722 ug/l  
 RT: 5.49 min Scan# 755  
 Delta R.T. -0.00 min  
 Lab File: VX012781.D  
 Acq: 03 Oct 2019 14:16

Tgt Ion:113 Resp: 92876  
 Ion Ratio Lower Upper  
 113 100  
 111 104.4 83.4 125.2  
 192 18.3 14.4 21.6



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

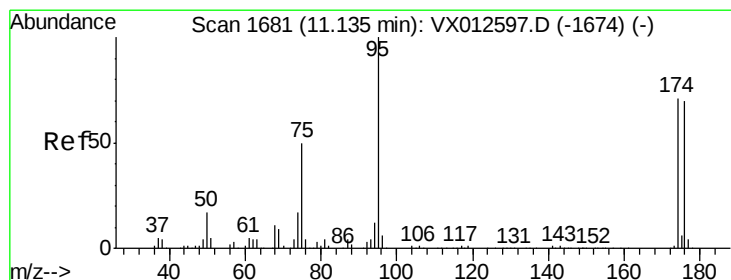
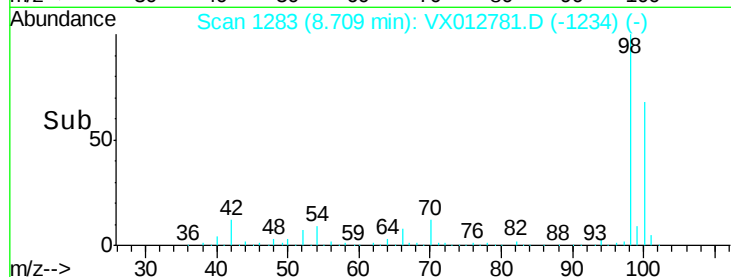
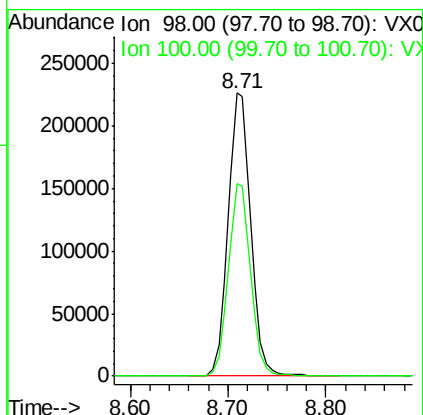
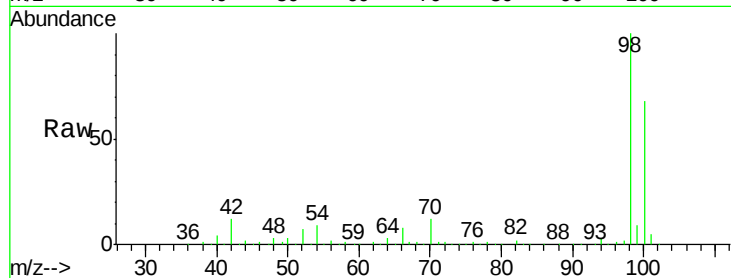




#50  
Toluene-d8  
Concen: 51.240 ug/l  
RT: 8.71 min Scan# 1283  
Delta R.T. -0.00 min  
Lab File: VX012781.D  
Acq: 03 Oct 2019 14:16

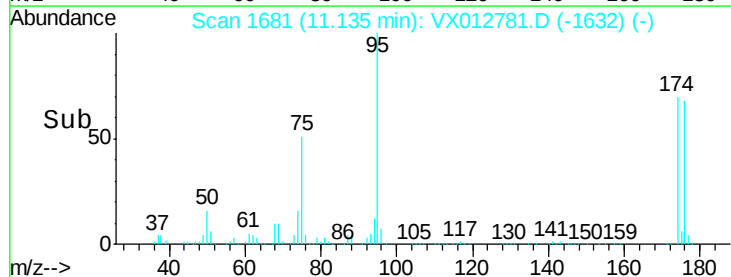
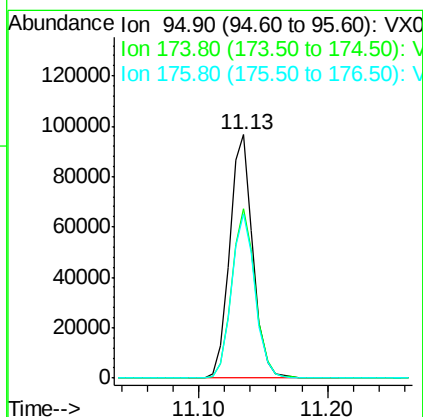
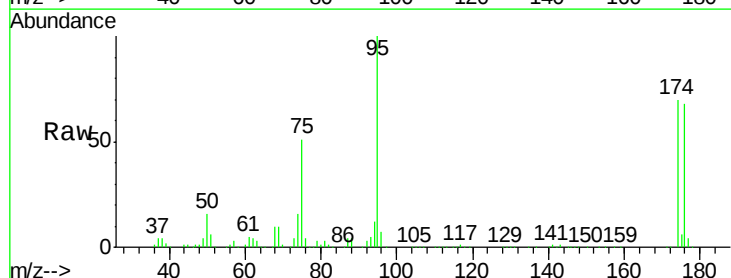
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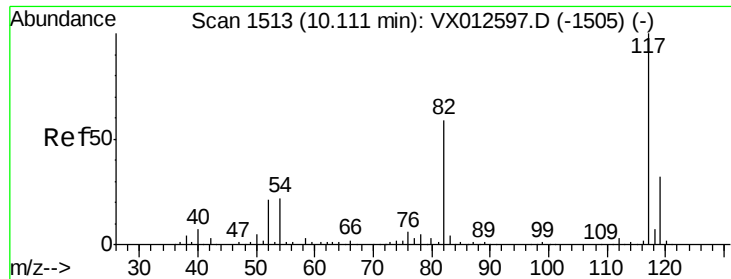
Tot Ion: 98 Resp: 361324  
Ion Ratio Lower Upper  
98 100  
100 67.1 53.4 80.2



#62  
4-Bromofluorobenzene  
Concen: 44.025 ug/l  
RT: 11.13 min Scan# 1681  
Delta R.T. -0.00 min  
Lab File: VX012781.D  
Acq: 03 Oct 2019 14:16

Tgt Ion: 95 Resp: 122068  
Ion Ratio Lower Upper  
95 100  
174 70.2 0.0 140.0  
176 68.5 0.0 135.4

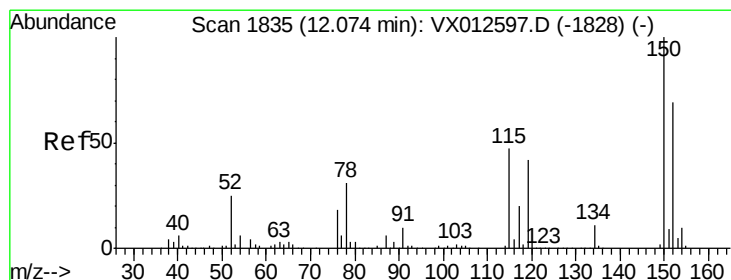
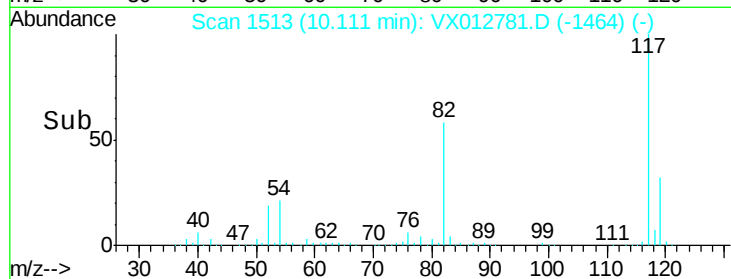
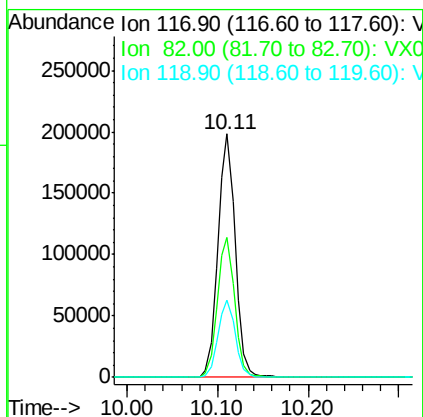
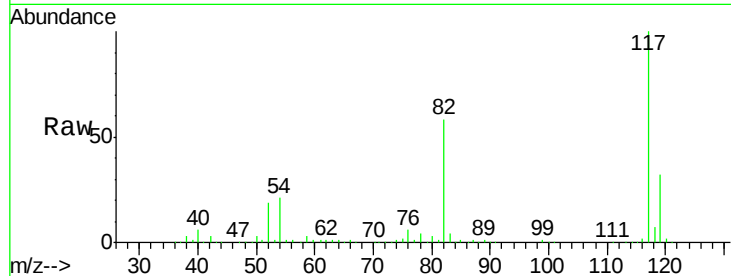




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1513  
Delta R.T. -0.00 min  
Lab File: VX012781.D  
Acq: 03 Oct 2019 14:16

Instrument :  
MSVOA\_X  
ClientSampleId :  
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Tot Ion:117 Resp: 265314  
Ion Ratio Lower Upper  
117 100  
82 57.5 45.9 68.9  
119 31.9 25.3 37.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1835  
Delta R.T. -0.00 min  
Lab File: VX012781.D  
Acq: 03 Oct 2019 14:16

Tgt Ion:152 Resp: 99531  
Ion Ratio Lower Upper  
152 100  
115 65.7 44.1 132.3  
150 160.4 0.0 343.8

