

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX080819\  
 Data File : VX011391.D  
 Acq On : 08 Aug 2019 14:52  
 Operator : JC/SP  
 Sample : K4196-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WC-073119-SOIL

Quant Time: Aug 09 04:53:45 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X080119W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Aug 02 01:55:00 2019  
 Response via : Initial Calibration

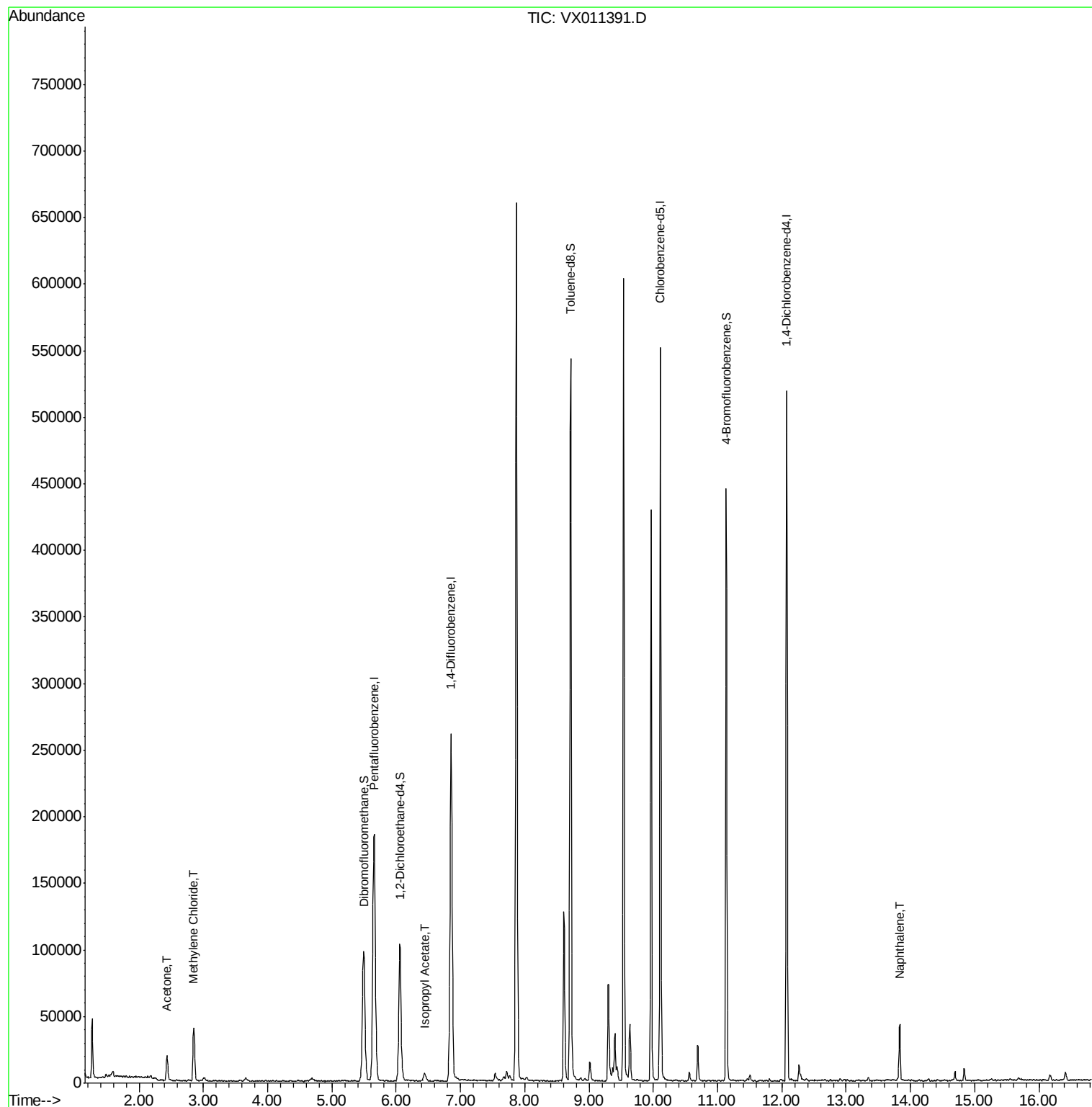
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.66  | 168  | 183098   | 50.00  | ug/l    | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.85  | 114  | 272466   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.11 | 117  | 247657   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.07 | 152  | 111573   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.06  | 65   | 95832    | 51.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.94% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 81780    | 45.97  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.94%  |          |
| 50) Toluene-d8              | 8.71  | 98   | 322775   | 48.07  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 96.14%  |          |
| 62) 4-Bromofluorobenzene    | 11.13 | 95   | 104420   | 43.56  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 87.12%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.43  | 43   | 19853    | 22.620 | ug/l    | 99       |
| 20) Methylene Chloride      | 2.85  | 84   | 19136    | 9.956  | ug/l    | 97       |
| 43) Isopropyl Acetate       | 6.44  | 43   | 8193     | 2.148  | ug/l #  | 90       |
| 95) Naphthalene             | 13.83 | 128  | 26658    | 3.659  | ug/l    | 98       |

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

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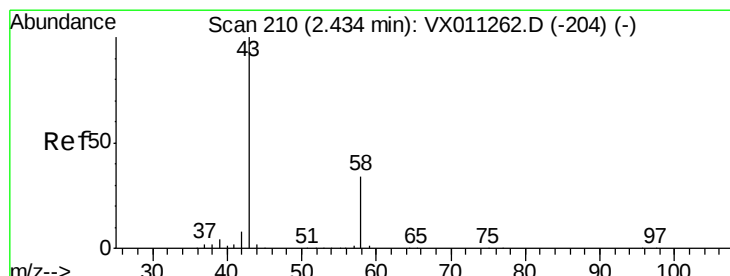
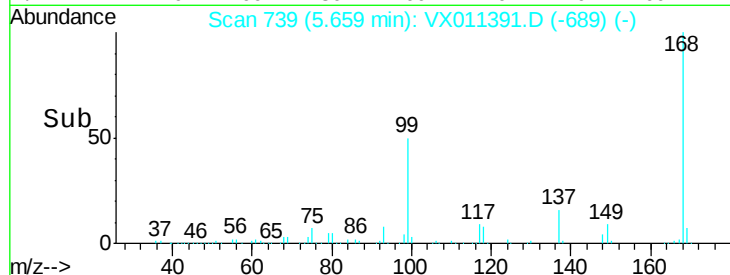
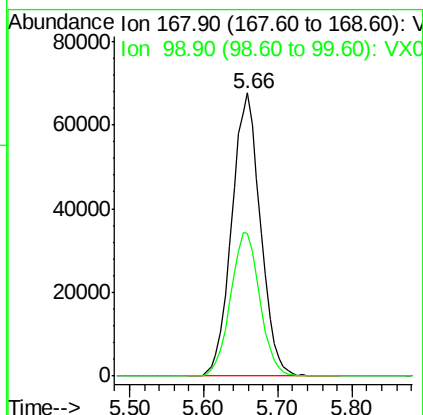
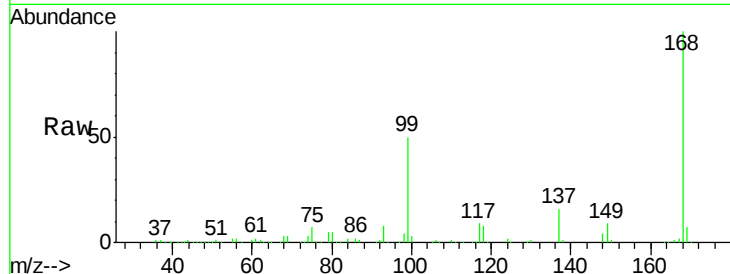




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.66 min Scan# 739  
Delta R.T. 0.01 min  
Lab File: VX011391.D  
Acq: 08 Aug 2019 14:52

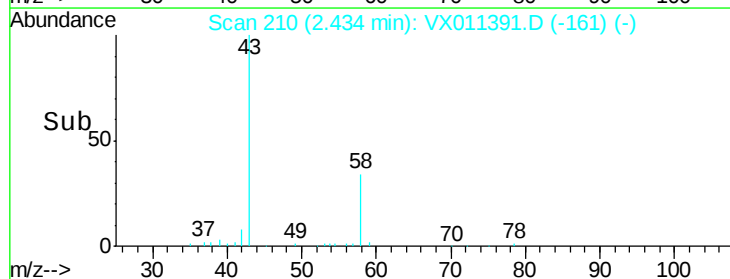
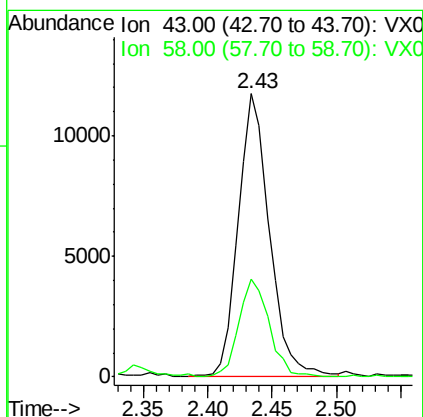
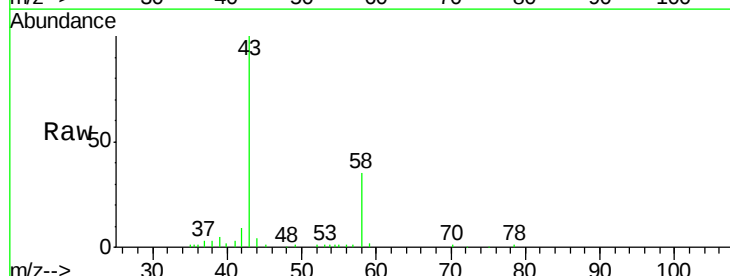
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-073119-SOIL

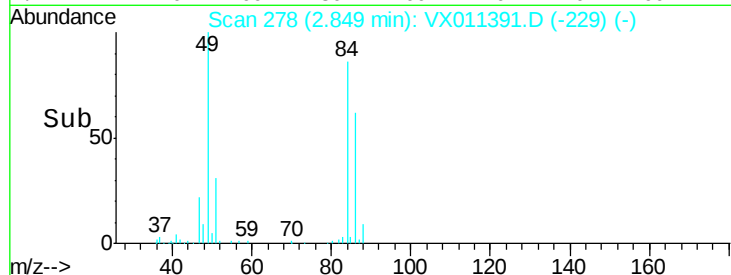
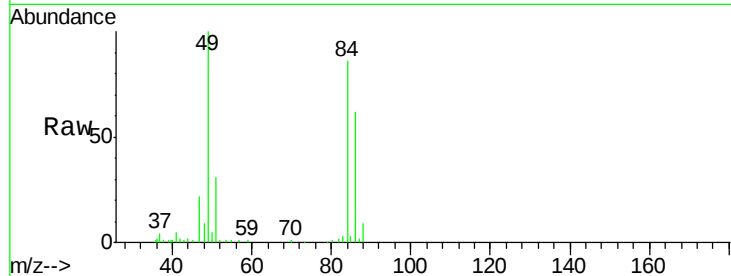
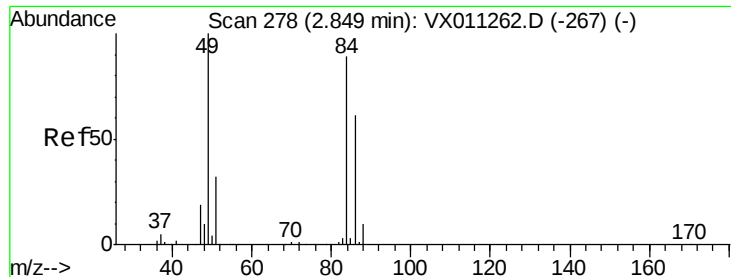
Tot Ion:168 Resp: 183098  
Ion Ratio Lower Upper  
168 100  
99 50.1 38.5 57.7



#16  
Acetone  
Concen: 22.620 ug/l  
RT: 2.43 min Scan# 210  
Delta R.T. 0.00 min  
Lab File: VX011391.D  
Acq: 08 Aug 2019 14:52

Tgt Ion: 43 Resp: 19853  
Ion Ratio Lower Upper  
43 100  
58 34.5 27.4 41.0

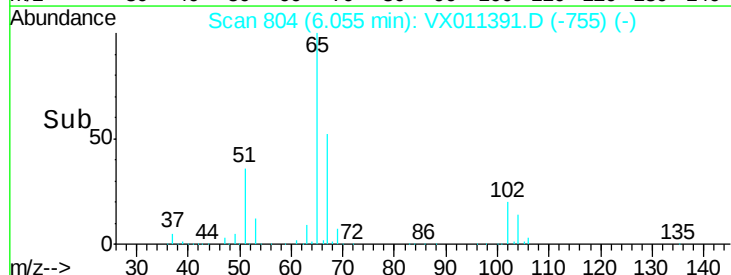
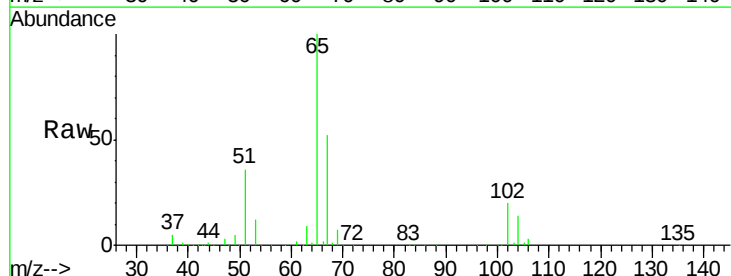
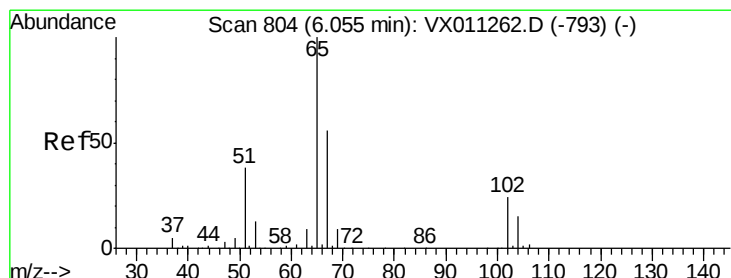
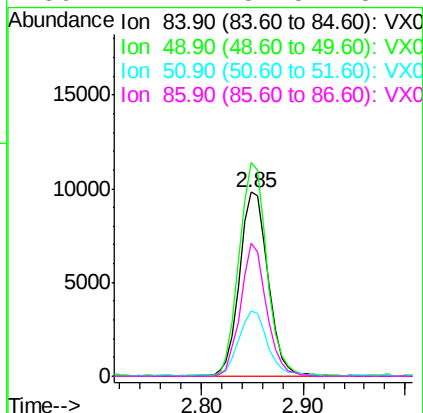




#20  
Methylene Chloride  
Concen: 9.956 ug/l  
RT: 2.85 min Scan# 278  
Delta R.T. 0.00 min  
Lab File: VX011391.D  
Acq: 08 Aug 2019 14:52

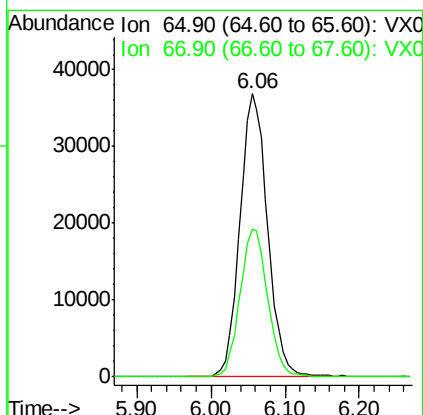
Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-073119-SOIL

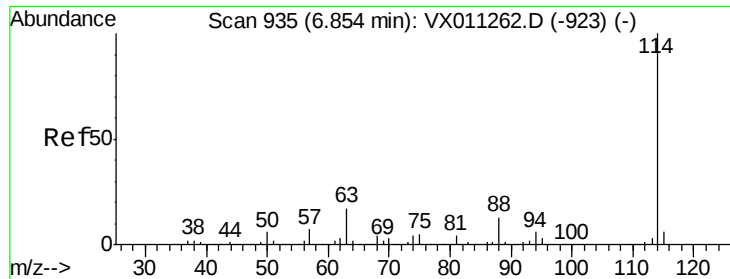
|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 84    | Resp: | 19136 |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 115.3 | 89.3  | 133.9 |
| 51       | 35.5  | 28.3  | 42.5  |
| 86       | 72.1  | 54.5  | 81.7  |



#33  
1,2-Dichloroethane-d4  
Concen: 51.973 ug/l  
RT: 6.06 min Scan# 804  
Delta R.T. 0.00 min  
Lab File: VX011391.D  
Acq: 08 Aug 2019 14:52

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 65    | Resp: | 95832 |
| Ion      | Ratio | Lower | Upper |
| 65       | 100   |       |       |
| 67       | 52.5  | 0.0   | 110.6 |

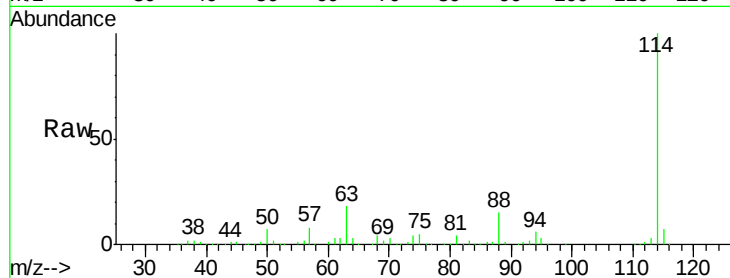




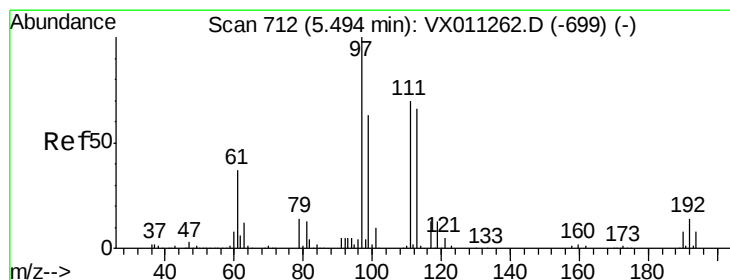
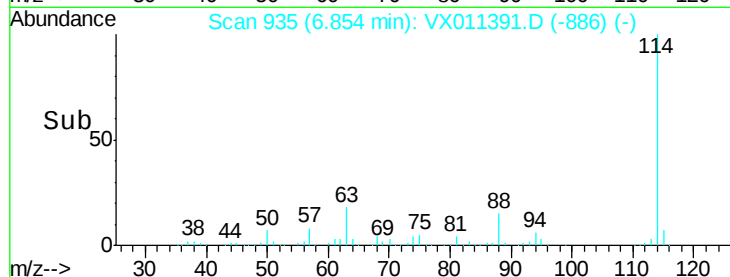
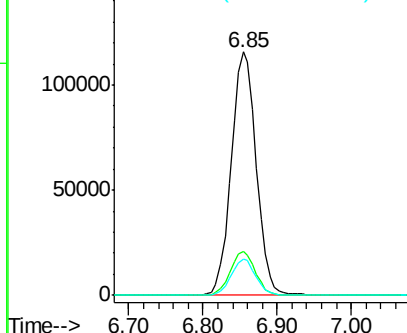
#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.85 min Scan# 935  
 Delta R.T. 0.00 min  
 Lab File: VX011391.D  
 Acq: 08 Aug 2019 14:52

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 WC-073119-SOIL

Tot Ion:114 Resp: 272466  
 Ion Ratio Lower Upper  
 114 100  
 63 18.2 0.0 34.0  
 88 14.7 0.0 26.4

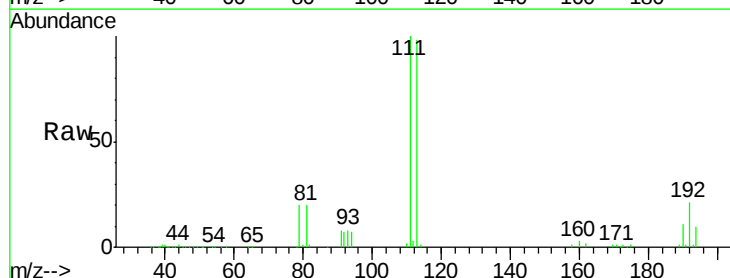


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

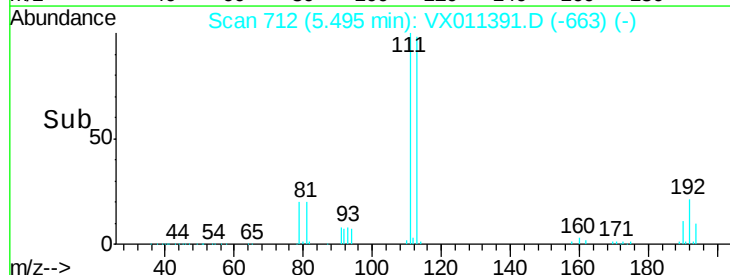
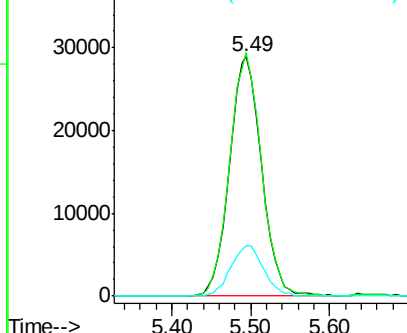


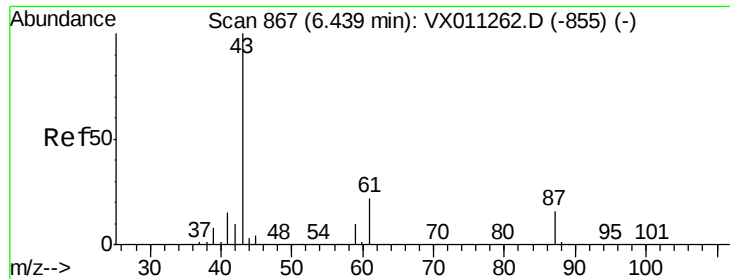
#35  
 Dibromofluoromethane  
 Concen: 45.973 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. 0.00 min  
 Lab File: VX011391.D  
 Acq: 08 Aug 2019 14:52

Tgt Ion:113 Resp: 81780  
 Ion Ratio Lower Upper  
 113 100  
 111 100.6 81.9 122.9  
 192 21.7 17.8 26.8



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





#43

Isopropyl Acetate

Concen: 2.148 ug/l

RT: 6.44 min Scan# 867

Delta R.T. 0.00 min

Lab File: VX011391.D

Acq: 08 Aug 2019 14:52

Instrument :

MSVOA\_X

ClientSampleId :

WC-073119-SOIL

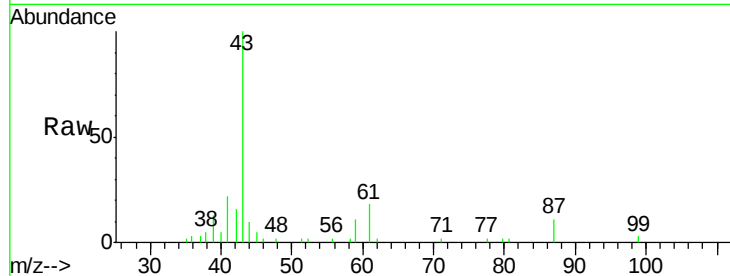
Tot Ion: 43 Resp: 8193

Ion Ratio Lower Upper

43 100

61 22.2 16.5 24.7

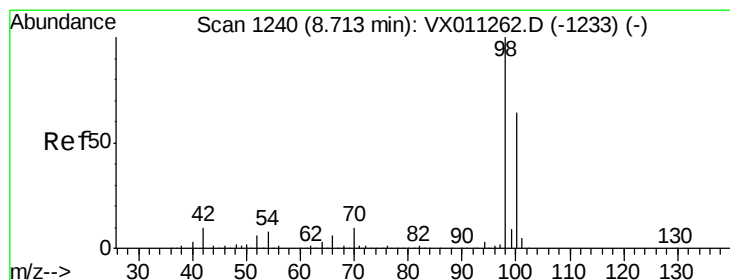
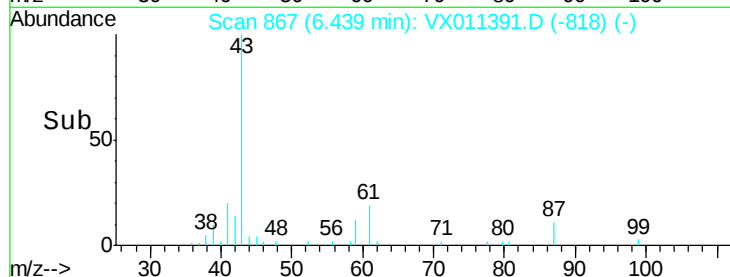
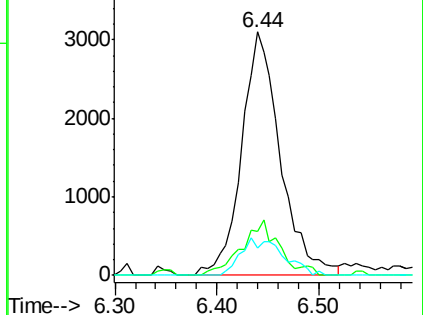
87 7.1 12.1 18.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 48.070 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX011391.D

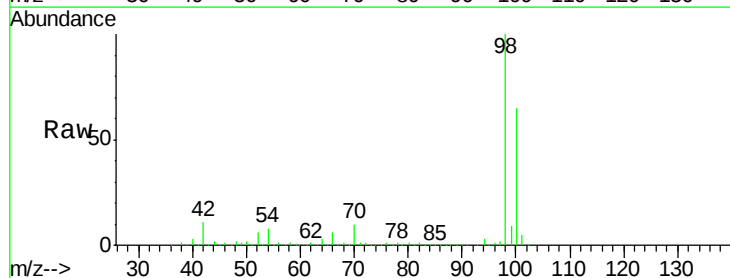
Acq: 08 Aug 2019 14:52

Tgt Ion: 98 Resp: 322775

Ion Ratio Lower Upper

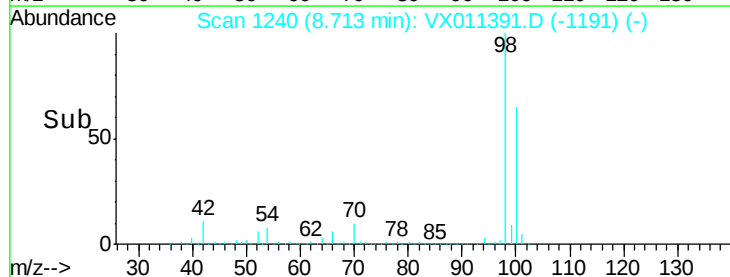
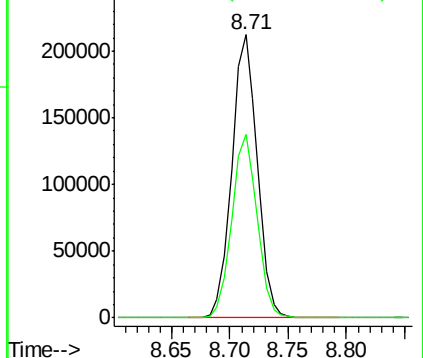
98 100

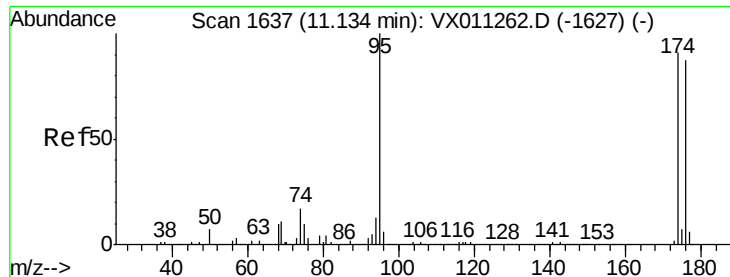
100 64.7 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

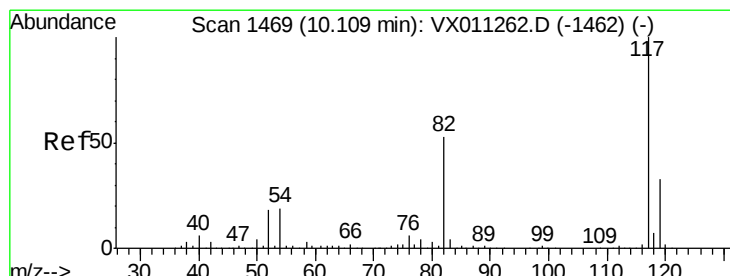
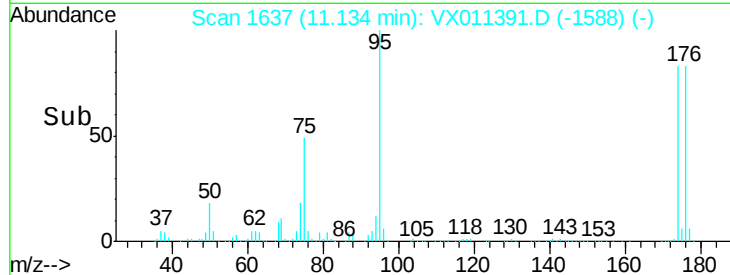
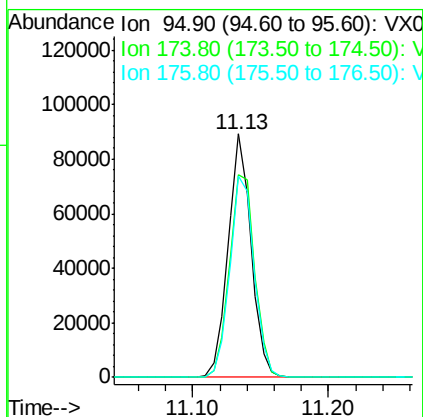
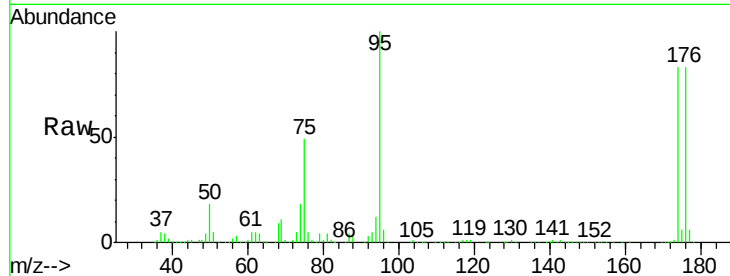




#62  
4-Bromofluorobenzene  
Concen: 43.557 ug/l  
RT: 11.13 min Scan# 1637  
Delta R.T. 0.00 min  
Lab File: VX011391.D  
Acq: 08 Aug 2019 14:52

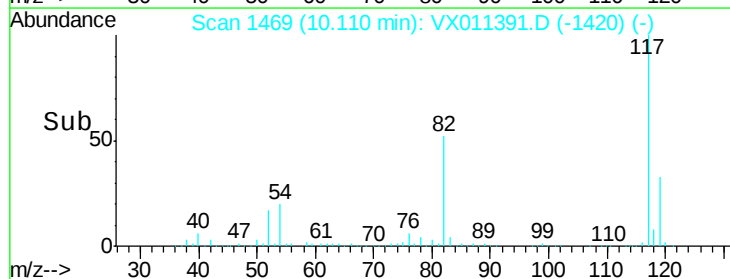
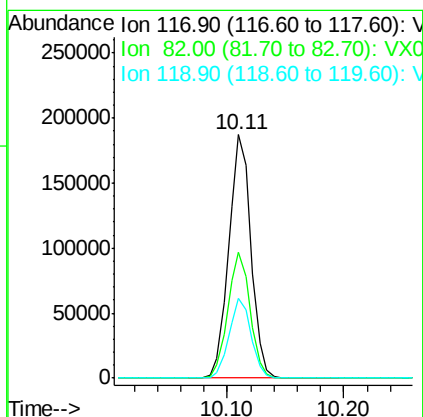
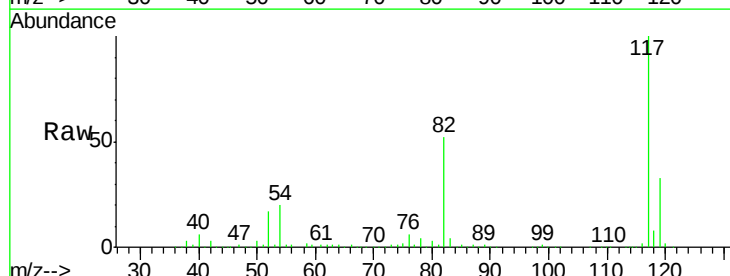
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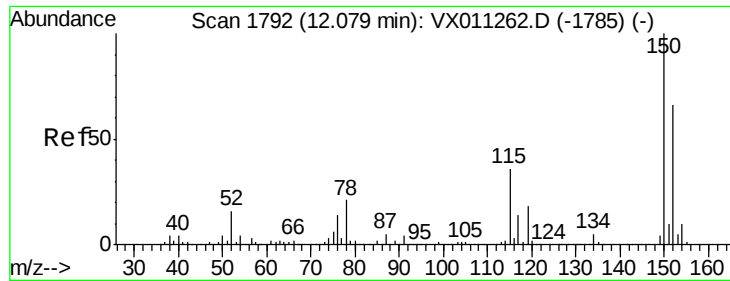
Tot Ion: 95 Resp: 104420  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 191.2  
176 87.9 0.0 184.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.11 min Scan# 1469  
Delta R.T. 0.00 min  
Lab File: VX011391.D  
Acq: 08 Aug 2019 14:52

Tgt Ion: 117 Resp: 247657  
Ion Ratio Lower Upper  
117 100  
82 51.8 42.2 63.2  
119 32.7 26.6 39.8



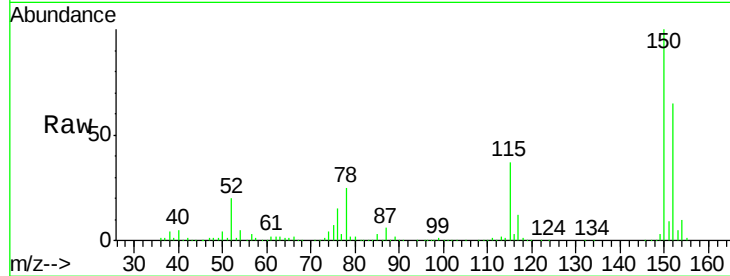


#72

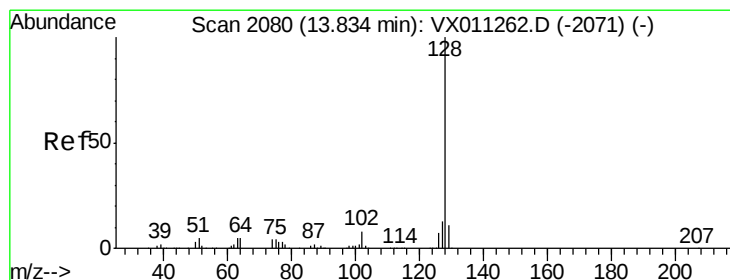
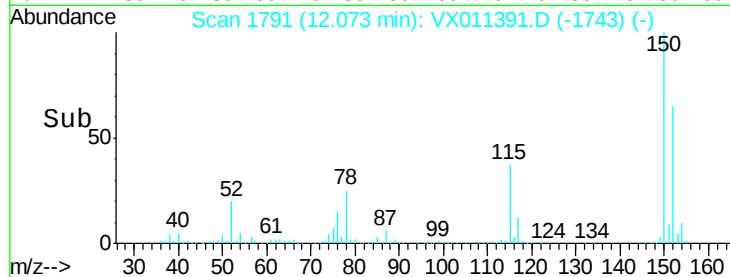
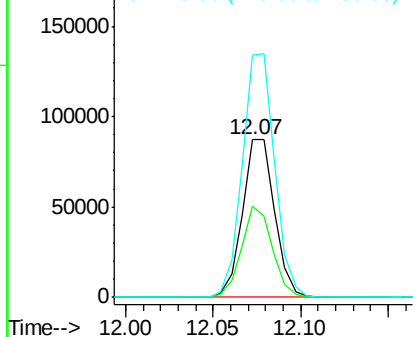
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.07 min Scan# 1791  
Delta R.T. -0.01 min  
Lab File: VX011391.D  
Acq: 08 Aug 2019 14:52

Instrument :  
MSVOA\_X  
ClientSampleId :  
WC-073119-SOIL

Tot Ion:152 Resp: 111573  
Ion Ratio Lower Upper  
152 100  
115 54.8 40.0 119.9  
150 155.4 0.0 350.4



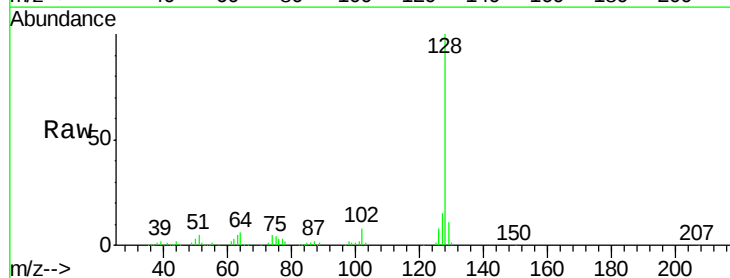
Abundance Ion 151.90 (151.60 to 152.60): V  
Ion 114.90 (114.60 to 115.60): V  
Ion 149.90 (149.60 to 150.60): V



#95

Naphthalene  
Concen: 3.659 ug/l  
RT: 13.83 min Scan# 2080  
Delta R.T. 0.00 min  
Lab File: VX011391.D  
Acq: 08 Aug 2019 14:52

Tgt Ion:128 Resp: 26658  
Ion Ratio Lower Upper  
128 100  
127 14.3 10.4 15.6  
129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V  
Ion 127.00 (126.70 to 127.70): V  
Ion 129.00 (128.70 to 129.70): V

