

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_X\DATA\VX101118\  
 Data File : VX005274.D  
 Acq On : 12 Oct 2018 00:28  
 Operator : JC/MD  
 Sample : J5369-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CONCRETE-PILE

Quant Time: Oct 12 08:08:15 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X092618W.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Oct 03 04:00:03 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 187591   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 276207   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 267882   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 148783   | 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   | 143924   | 53.71 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 107.42% |          |
| 35) Dibromofluoromethane    | 5.49  | 113  | 122631   | 52.39 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 104.78% |          |
| 50) Toluene-d8              | 8.72  | 98   | 383870   | 49.33 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 98.66%  |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 135796   | 48.44 | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =     | 96.88%  |          |

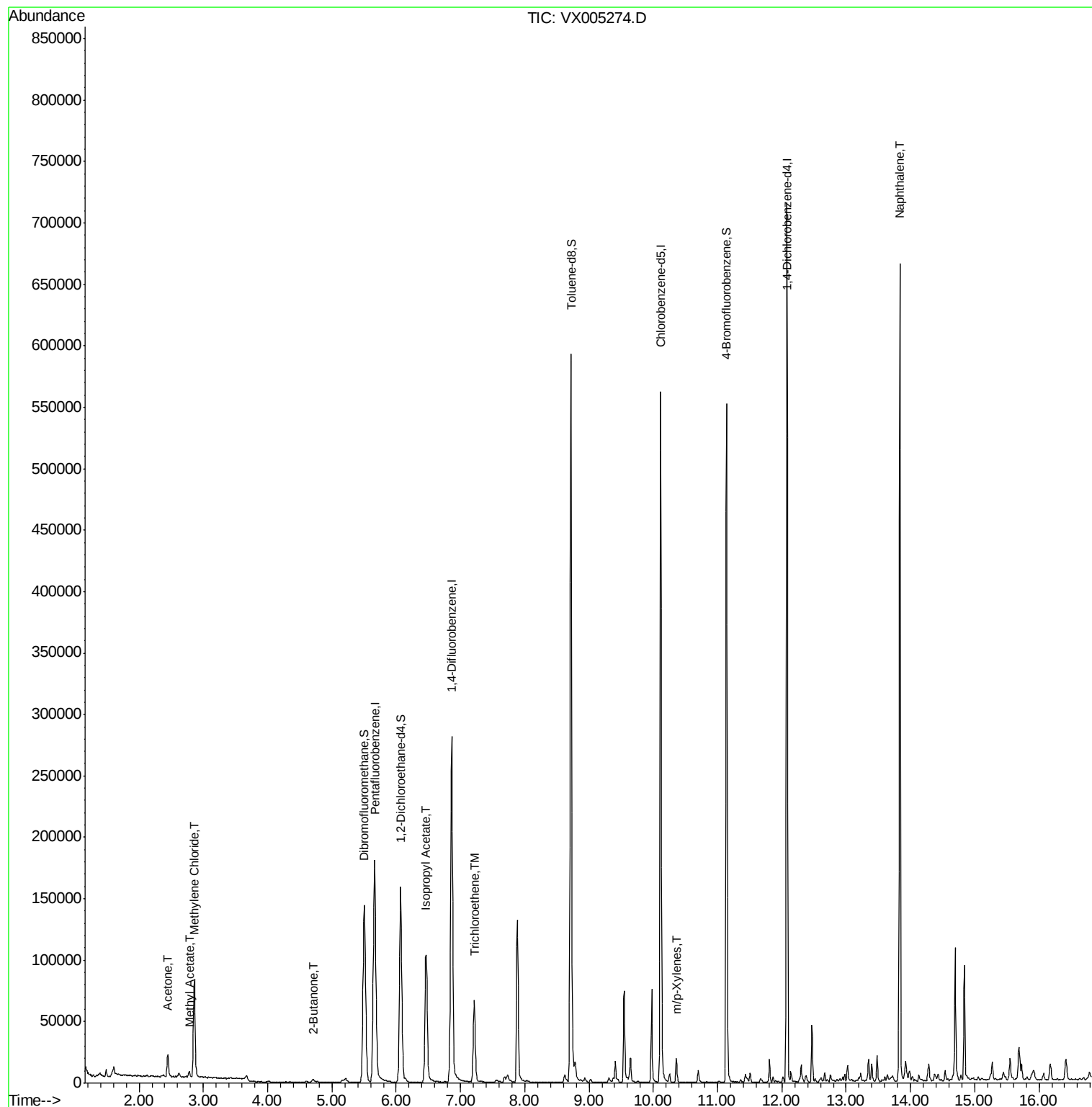
| Target Compounds       | R.T.  | QIon | Response | Conc  | Units  | Qvalue |
|------------------------|-------|------|----------|-------|--------|--------|
| 16) Acetone            | 2.45  | 43   | 19633    | 12.55 | ug/l   | 96     |
| 18) Methyl Acetate     | 2.78  | 43   | 5961     | 1.50  | ug/l   | 98     |
| 20) Methylene Chloride | 2.86  | 84   | 34336    | 14.50 | ug/l # | 86     |
| 25) 2-Butanone         | 4.71  | 43   | 4243     | 1.84  | ug/l # | 87     |
| 43) Isopropyl Acetate  | 6.46  | 43   | 142121   | 23.23 | ug/l   | 96     |
| 44) Trichloroethene    | 7.22  | 130  | 28758    | 11.70 | ug/l   | 90     |
| 68) m/p-Xylenes        | 10.36 | 106  | 4663     | 1.09  | ug/l   | 97     |
| 95) Naphthalene        | 13.83 | 128  | 387708   | 31.60 | ug/l   | 100    |

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

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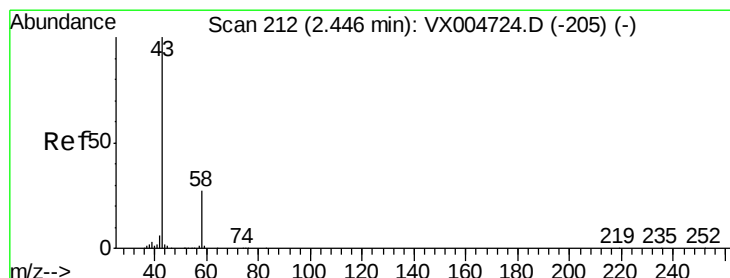
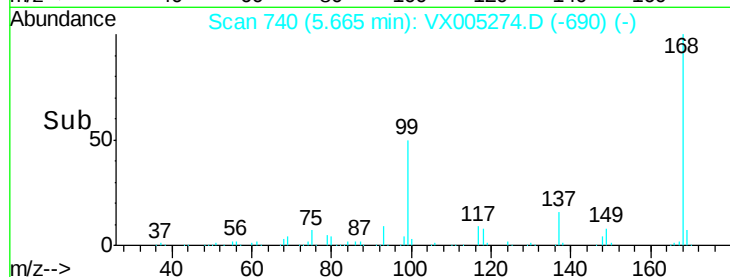
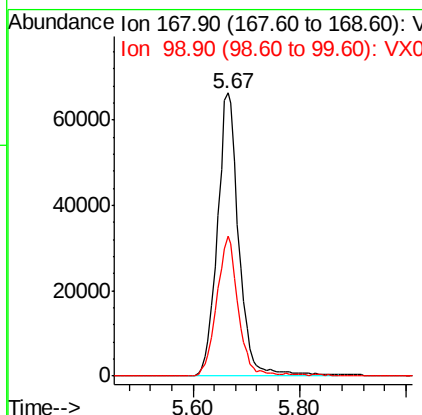
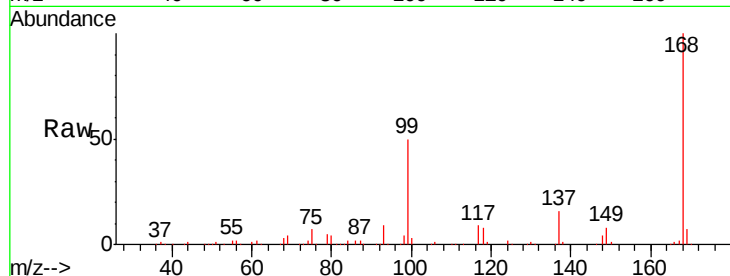




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.67 min Scan# 740  
Delta R.T. 0.01 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

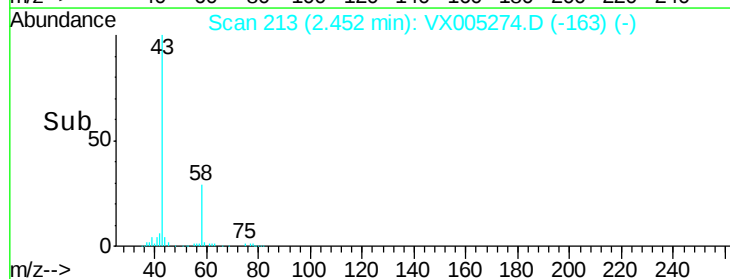
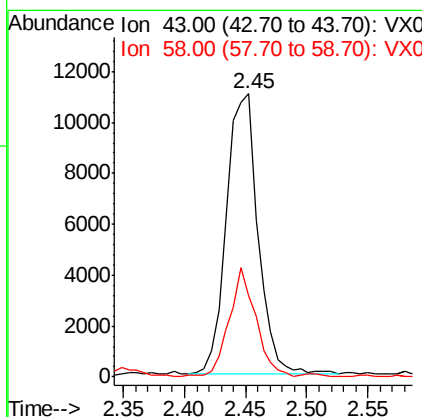
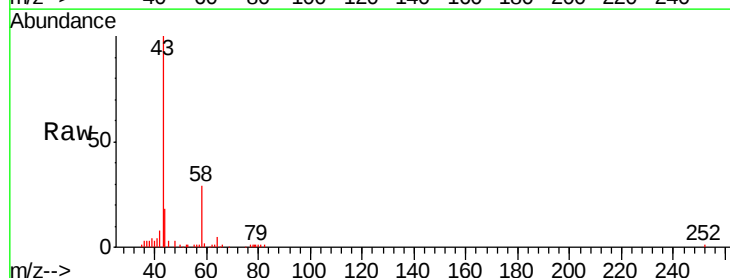
Instrument :  
MSVOA\_X  
ClientSampleId :  
CONCRETE-PILE

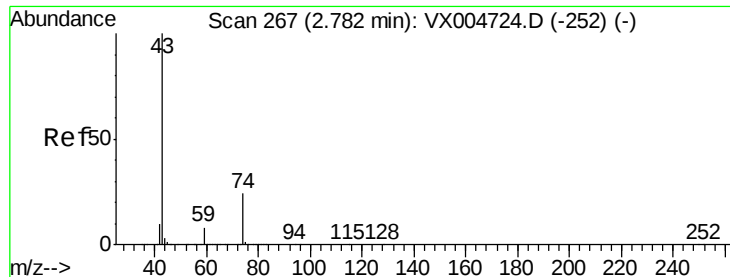
Tgt Ion:168 Resp: 187591  
Ion Ratio Lower Upper  
168 100  
99 49.6 39.3 58.9



#16  
Acetone  
Concen: 12.55 ug/l  
RT: 2.45 min Scan# 213  
Delta R.T. 0.01 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

Tgt Ion: 43 Resp: 19633  
Ion Ratio Lower Upper  
43 100  
58 29.1 21.8 32.6

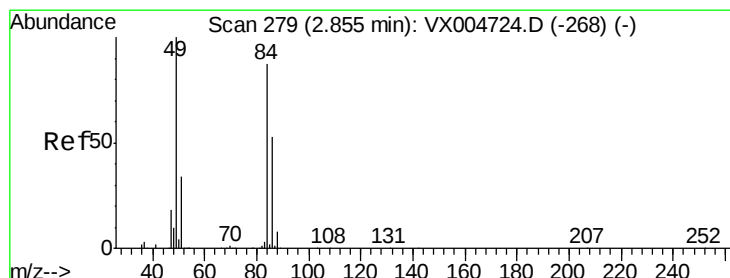
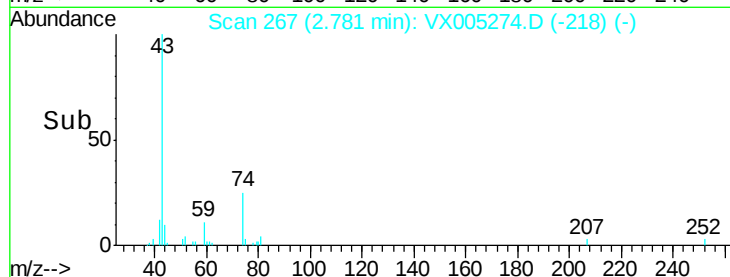
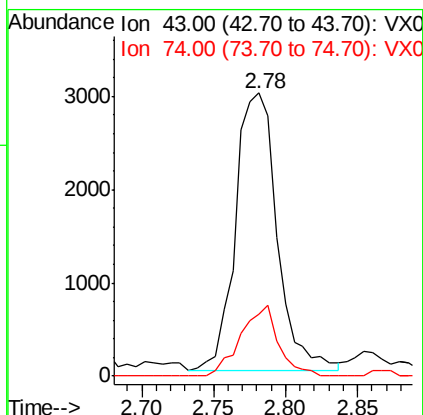
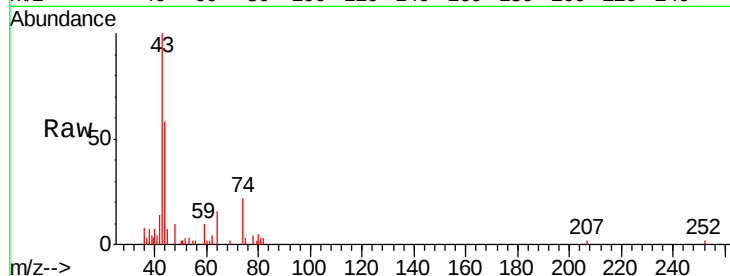




#18  
Methyl Acetate  
Concen: 1.50 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. -0.00 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

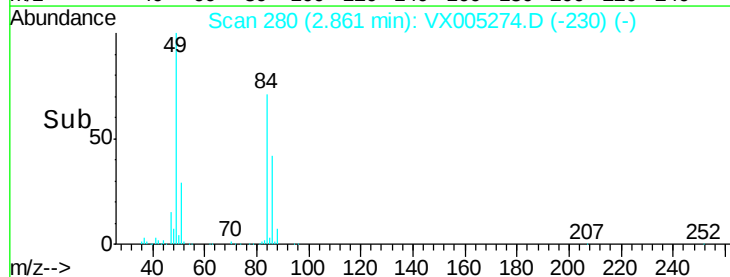
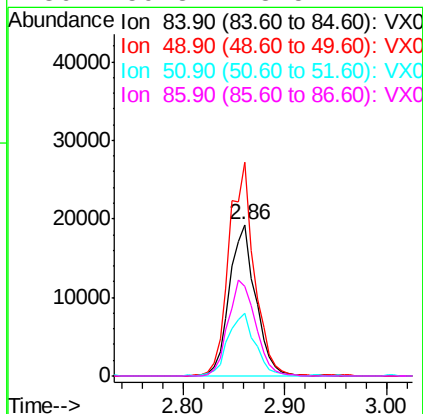
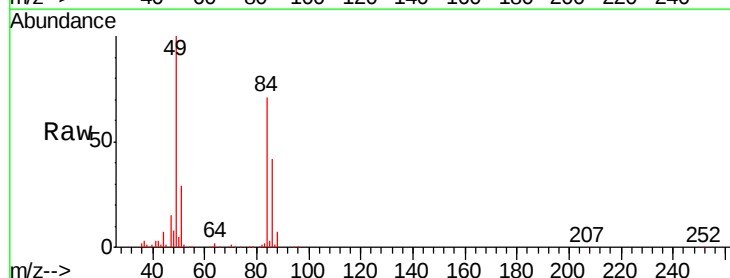
Instrument :  
MSVOA\_X  
ClientSampleId :  
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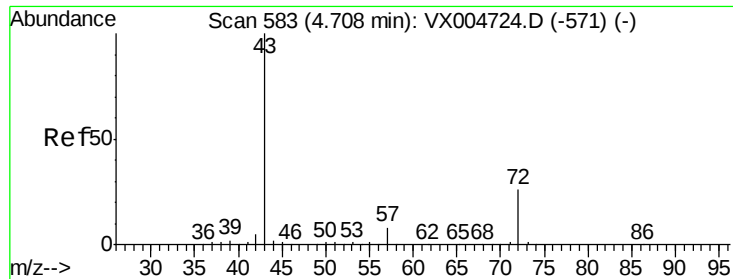
Tgt Ion: 43 Resp: 5961  
Ion Ratio Lower Upper  
43 100  
74 23.2 17.8 26.8



#20  
Methylene Chloride  
Concen: 14.50 ug/l  
RT: 2.86 min Scan# 280  
Delta R.T. 0.01 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

Tgt Ion: 84 Resp: 34336  
Ion Ratio Lower Upper  
84 100  
49 141.4 92.3 138.5#  
51 40.8 31.8 47.6  
86 59.3 48.5 72.7

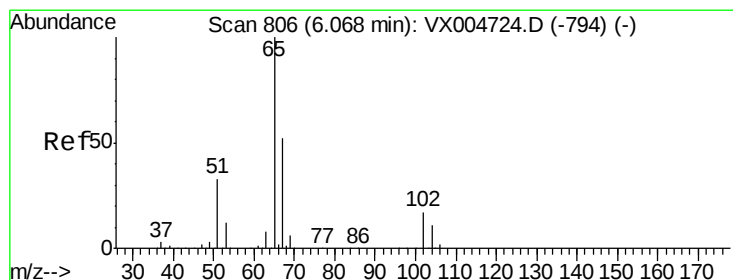
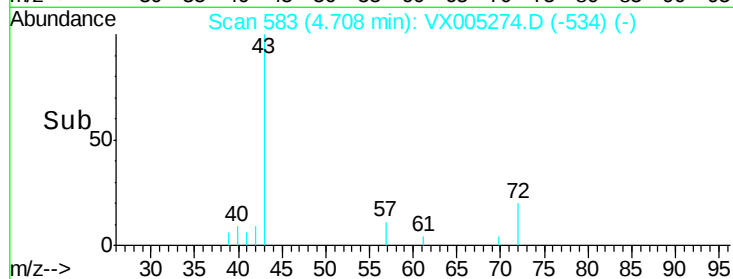
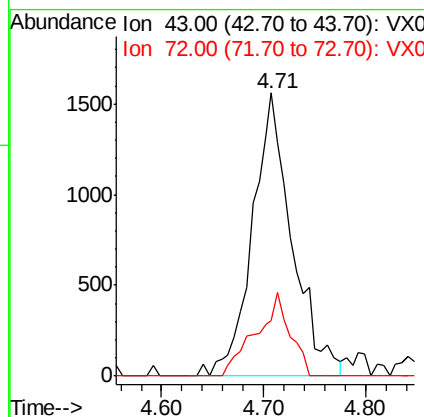
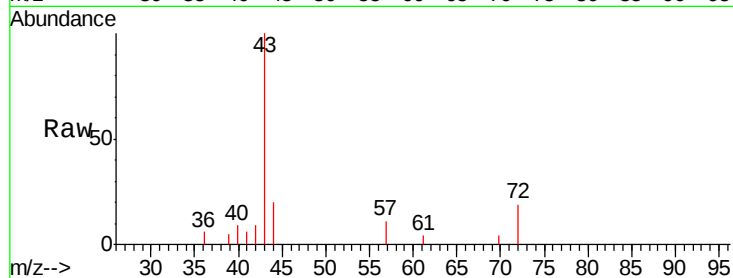




#25  
2-Butanone  
Concen: 1.84 ug/l  
RT: 4.71 min Scan# 583  
Delta R.T. -0.00 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

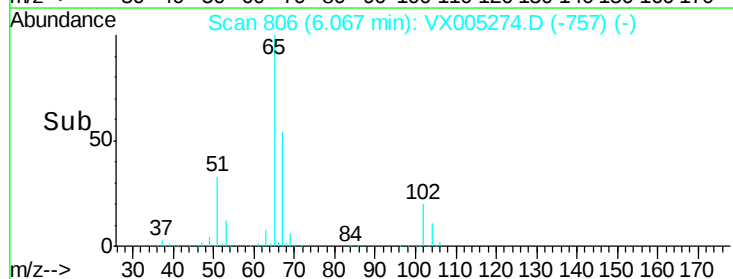
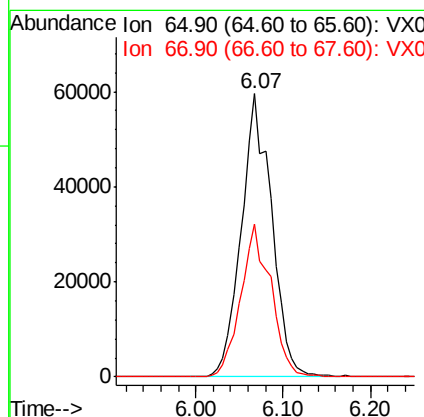
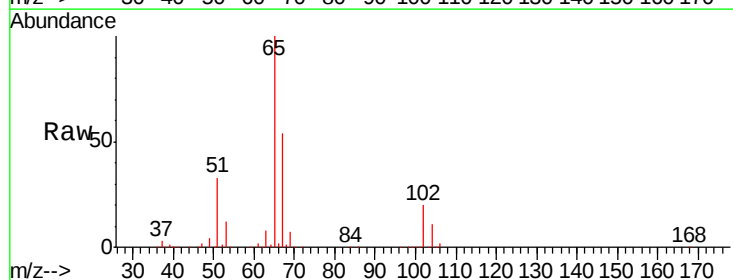
Instrument :  
MSVOA\_X  
ClientSampleId :  
CONCRETE-PILE

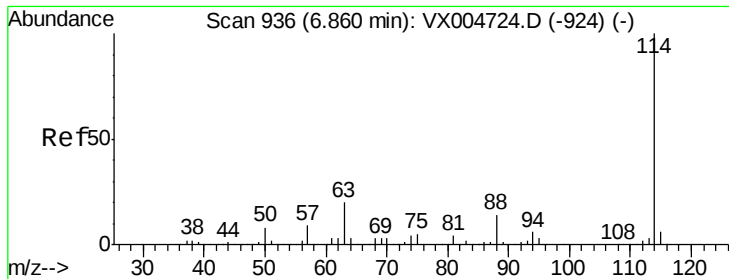
Tgt Ion: 43 Resp: 4243  
Ion Ratio Lower Upper  
43 100  
72 19.4 20.8 31.2#



#33  
1,2-Dichloroethane-d4  
Concen: 53.71 ug/l  
RT: 6.07 min Scan# 806  
Delta R.T. -0.00 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

Tgt Ion: 65 Resp: 143924  
Ion Ratio Lower Upper  
65 100  
67 53.5 0.0 107.4

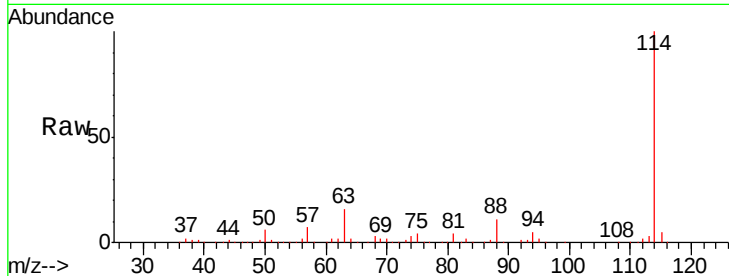




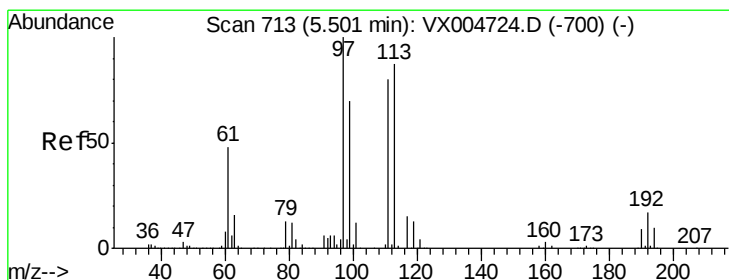
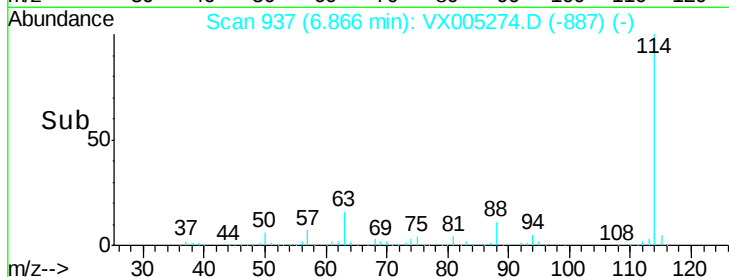
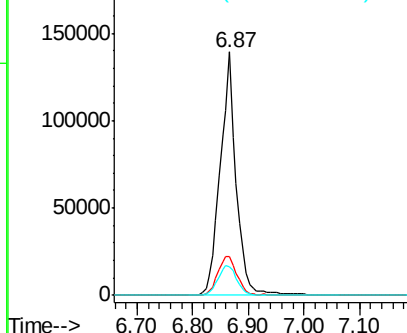
#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 937  
 Delta R.T. 0.01 min  
 Lab File: VX005274.D  
 Acq: 12 Oct 2018 00:28

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CONCRETE-PILE

Tgt Ion:114 Resp: 276207  
 Ion Ratio Lower Upper  
 114 100  
 63 15.8 0.0 39.8  
 88 11.5 0.0 27.0

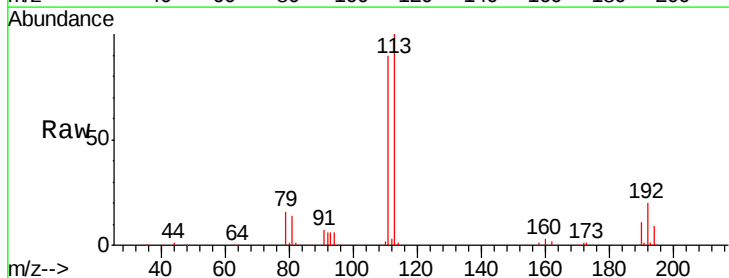


Abundance Ion 113.90 (113.60 to 114.60): V  
 Ion 63.00 (62.70 to 63.70): VX0  
 Ion 87.90 (87.60 to 88.60): VX0

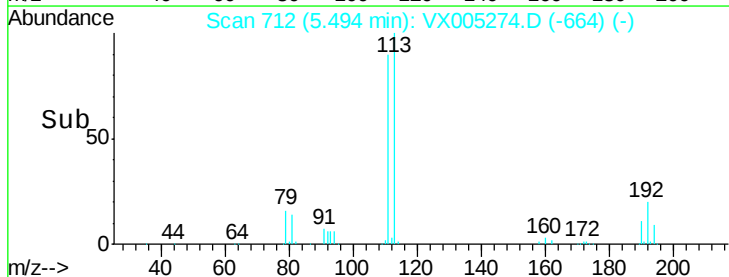
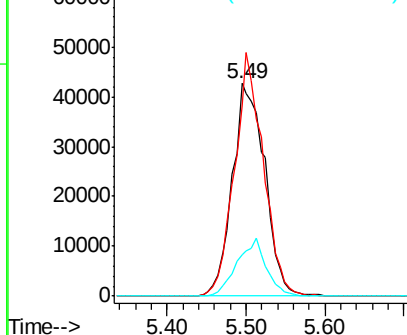


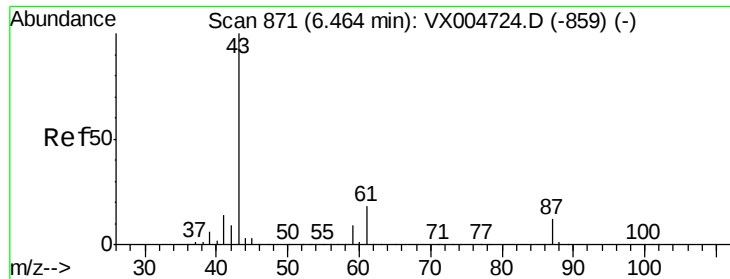
#35  
 Dibromofluoromethane  
 Concen: 52.39 ug/l  
 RT: 5.49 min Scan# 712  
 Delta R.T. -0.01 min  
 Lab File: VX005274.D  
 Acq: 12 Oct 2018 00:28

Tgt Ion:113 Resp: 122631  
 Ion Ratio Lower Upper  
 113 100  
 111 101.6 77.0 115.4  
 192 24.3 17.0 25.6



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





#43

Isopropyl Acetate

Concen: 23.23 ug/l

RT: 6.46 min Scan# 870

Delta R.T. -0.01 min

Lab File: VX005274.D

Acq: 12 Oct 2018 00:28

Instrument :

MSVOA\_X

ClientSampleId :

CONCRETE-PILE

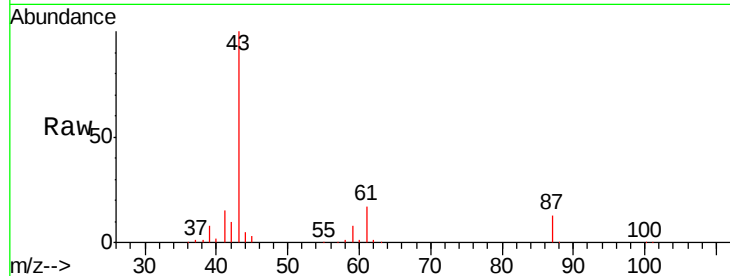
Tgt Ion: 43 Resp: 142121

Ion Ratio Lower Upper

43 100

61 19.3 14.2 21.4

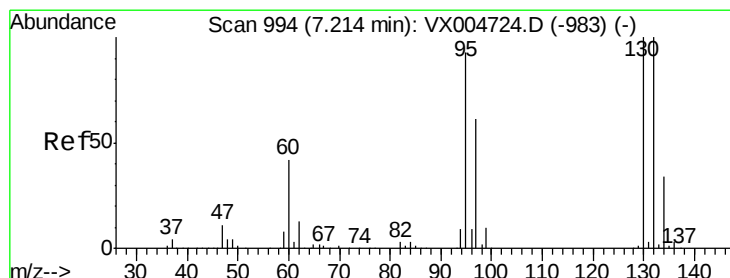
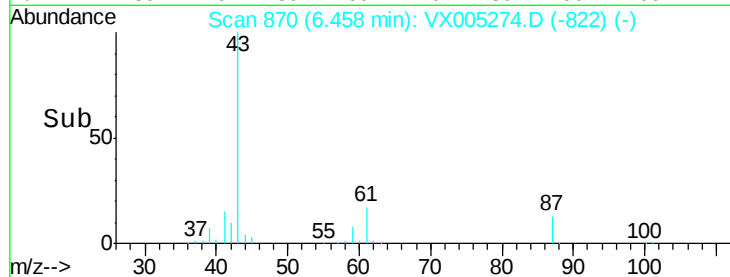
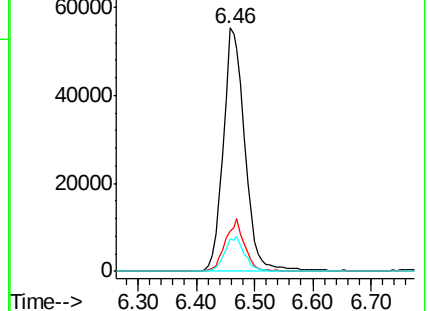
87 13.2 9.3 13.9



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



#44

Trichloroethene

Concen: 11.70 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005274.D

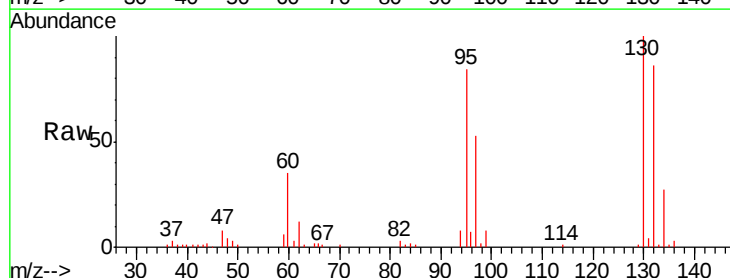
Acq: 12 Oct 2018 00:28

Tgt Ion: 130 Resp: 28758

Ion Ratio Lower Upper

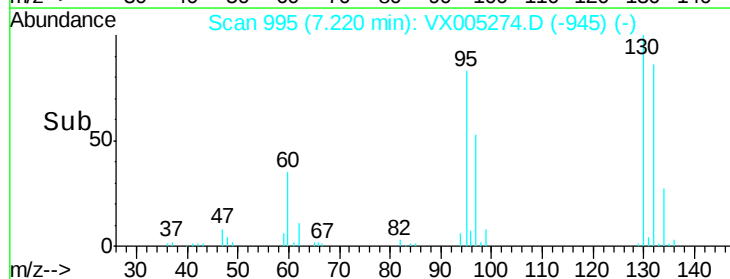
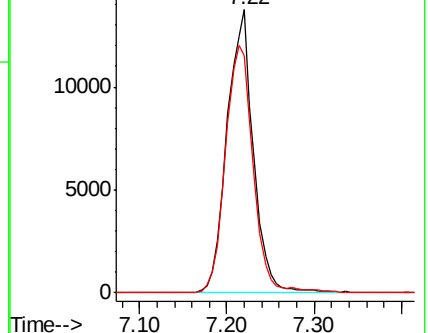
130 100

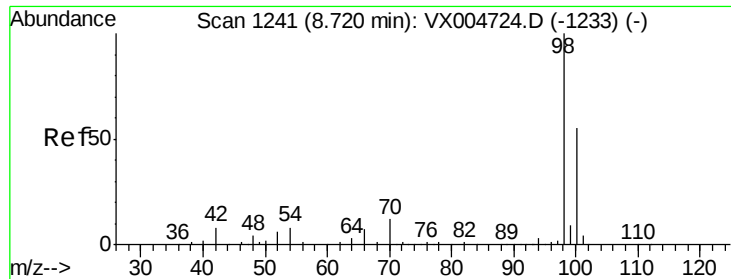
95 83.7 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

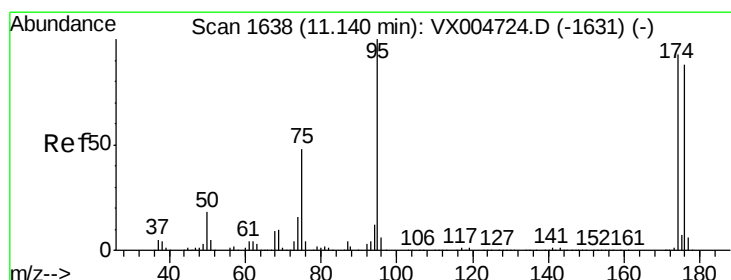
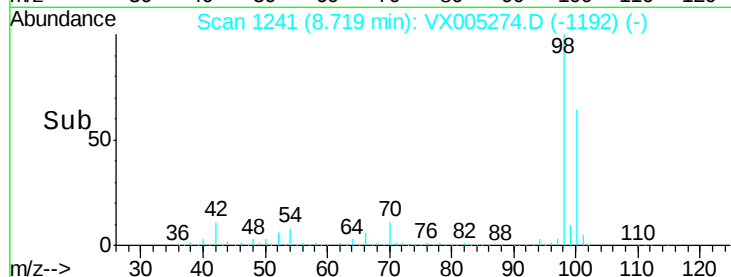
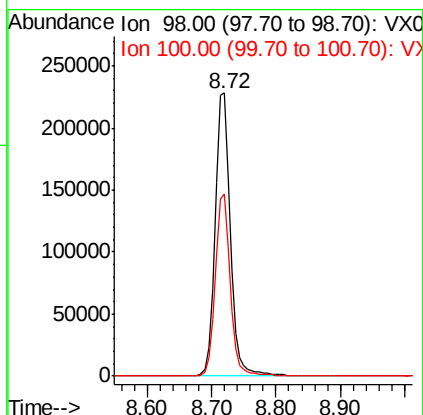
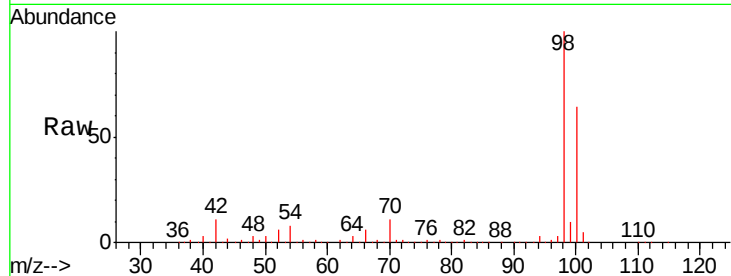




#50  
Toluene-d8  
Concen: 49.33 ug/l  
RT: 8.72 min Scan# 1241  
Delta R.T. -0.00 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

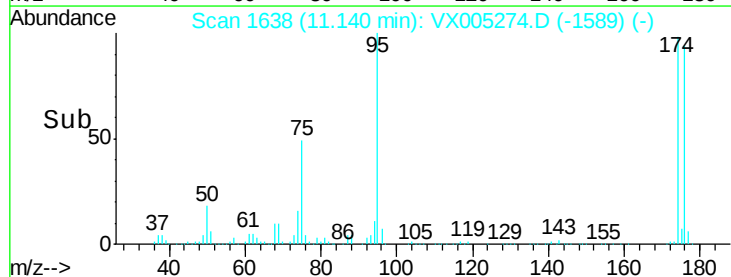
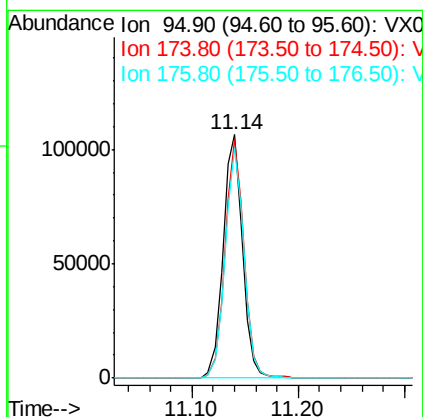
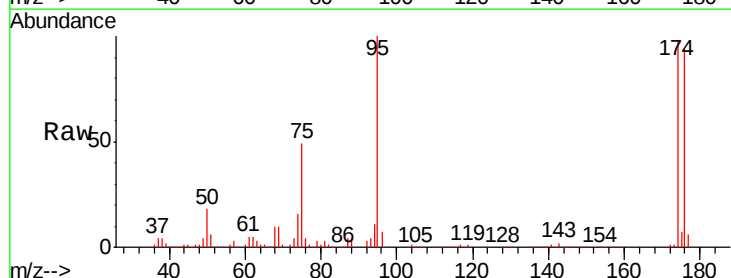
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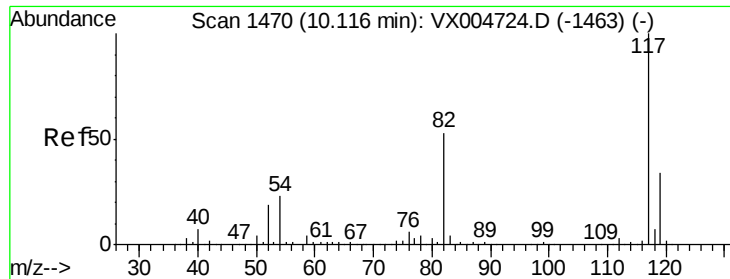
Tgt Ion: 98 Resp: 383870  
Ion Ratio Lower Upper  
98 100  
100 63.3 51.9 77.9



#62  
4-Bromofluorobenzene  
Concen: 48.44 ug/l  
RT: 11.14 min Scan# 1638  
Delta R.T. -0.00 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

Tgt Ion: 95 Resp: 135796  
Ion Ratio Lower Upper  
95 100  
174 95.9 0.0 185.0  
176 92.2 0.0 180.2

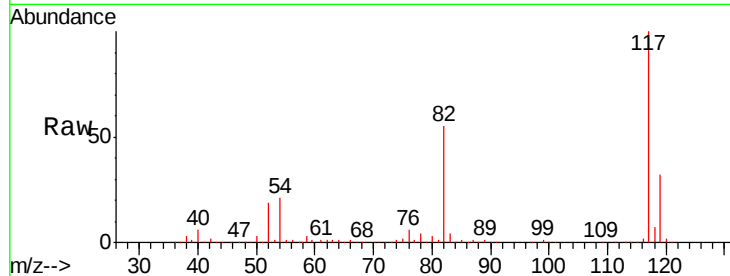




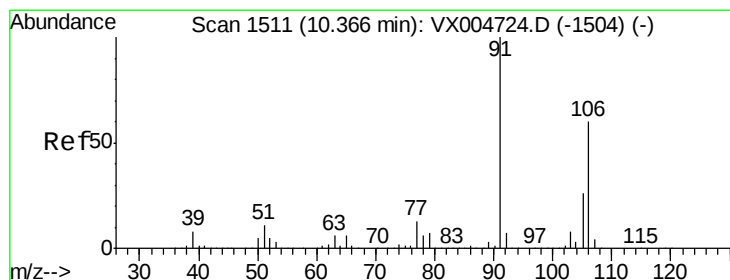
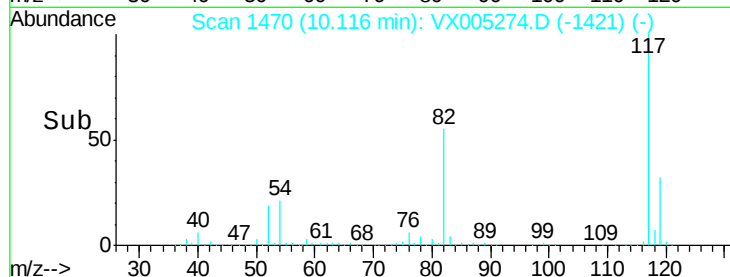
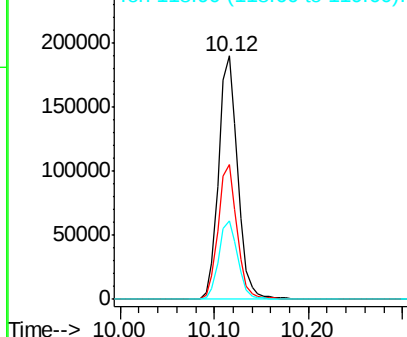
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

Instrument :  
MSVOA\_X  
ClientSampleId :  
CONCRETE-PILE

Tgt Ion:117 Resp: 267882  
Ion Ratio Lower Upper  
117 100  
82 55.4 42.2 63.4  
119 32.4 27.4 41.0

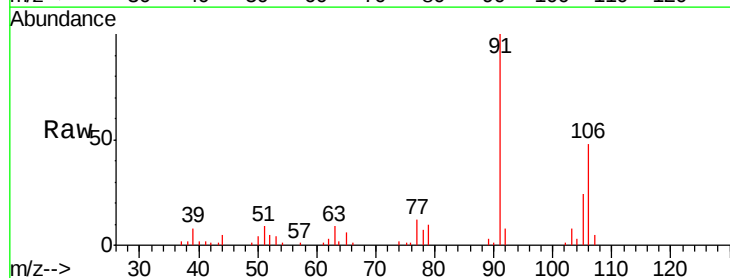


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

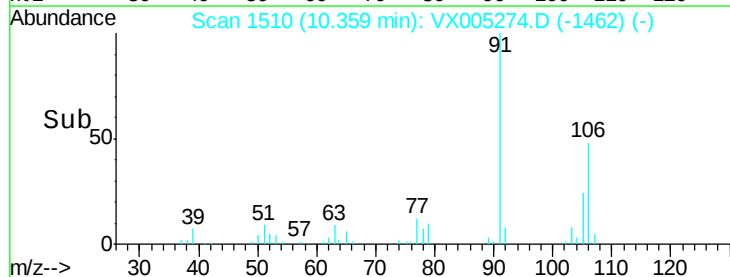
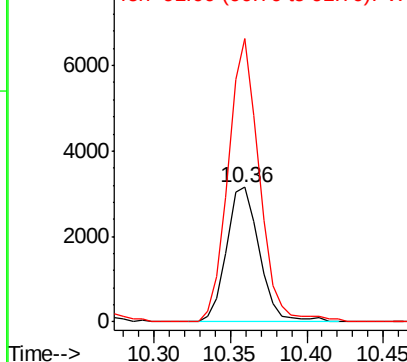


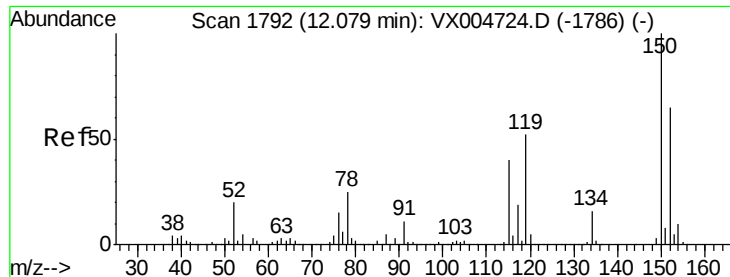
#68  
m/p-Xylenes  
Concen: 1.09 ug/l  
RT: 10.36 min Scan# 1510  
Delta R.T. -0.01 min  
Lab File: VX005274.D  
Acq: 12 Oct 2018 00:28

Tgt Ion:106 Resp: 4663  
Ion Ratio Lower Upper  
106 100  
91 201.1 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): V  
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005274.D

Acq: 12 Oct 2018 00:28

Instrument :

MSVOA\_X

ClientSampleId :

CONCRETE-PILE

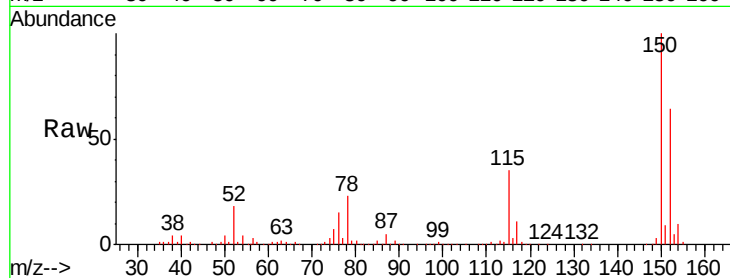
Tgt Ion:152 Resp: 148783

Ion Ratio Lower Upper

152 100

115 54.2 40.2 120.6

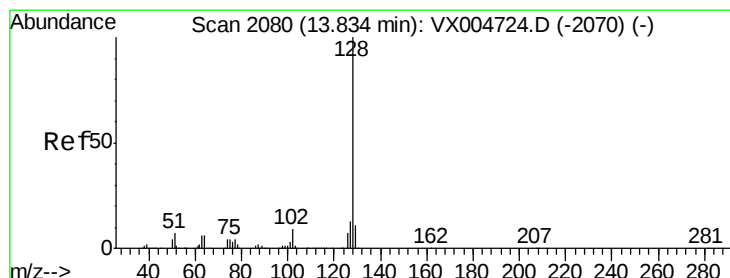
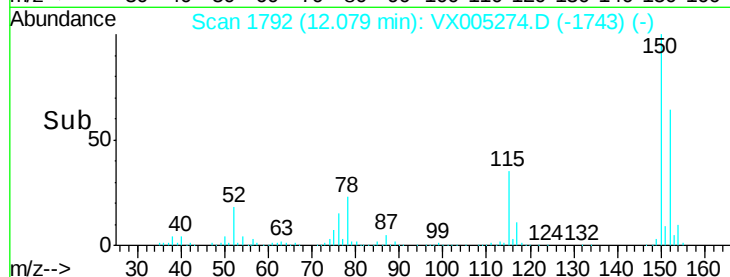
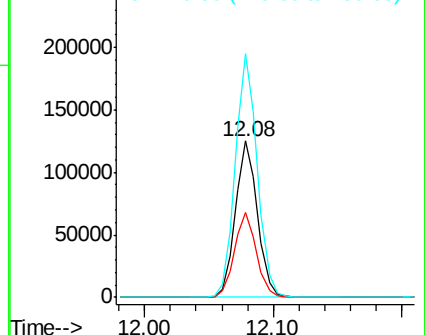
150 156.5 0.0 351.0



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



#95

Naphthalene

Concen: 31.60 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005274.D

Acq: 12 Oct 2018 00:28

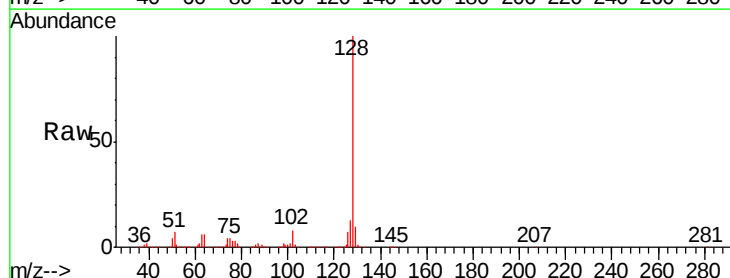
Tgt Ion:128 Resp: 387708

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 10.8 8.7 13.1



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

