

Data File : VX006186.D  
Acq On : 26 Nov 2018 20:05  
Operator : JC/MD  
Sample : J5999-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
SSSI-1114-S-TCLP-3

Quant Time: Nov 27 03:52:14 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X112018W.M  
Quant Title : SW846 8260  
QLast Update : Wed Nov 21 08:15:54 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 305510   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.86  | 114  | 455269   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 453672   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.08 | 152  | 208783   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |         |      |
|-----------------------------|--------|-----|----------|-------|---------|------|
| System Monitoring Compounds |        |     |          |       |         |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 194717   | 55.00 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 110.00% |      |
| 35) Dibromofluoromethane    | 5.50   | 113 | 155408   | 53.18 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.36% |      |
| 50) Toluene-d8              | 8.71   | 98  | 595038   | 53.38 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 106.76% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 197031   | 47.11 | ug/l    | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 94.22%  |      |

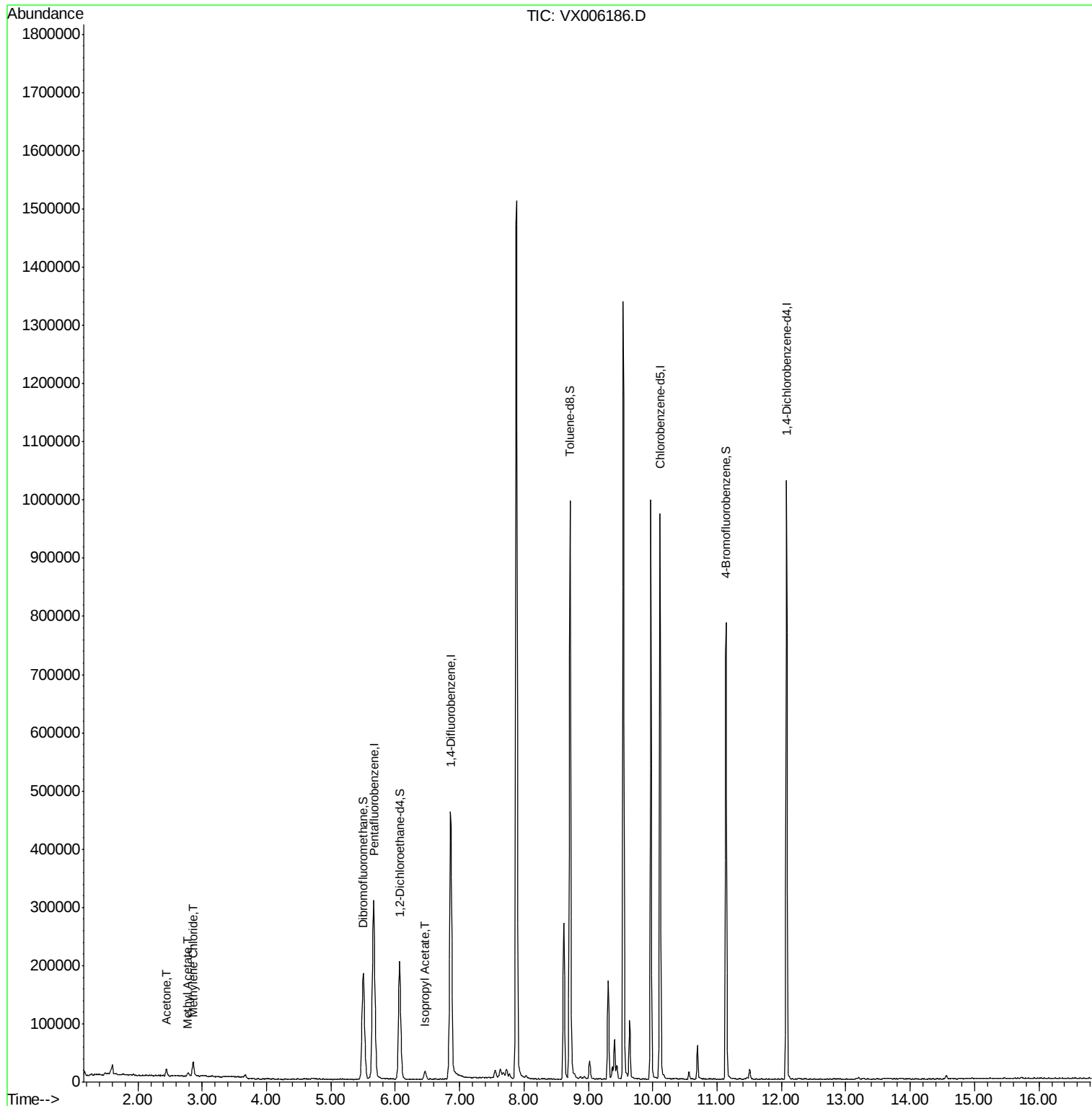
|                        |      |    |       |        |      |    |
|------------------------|------|----|-------|--------|------|----|
| Target Compounds       |      |    |       | Qvalue |      |    |
| 16) Acetone            | 2.45 | 43 | 12955 | 8.247  | ug/l | 96 |
| 18) Methyl Acetate     | 2.78 | 43 | 7106  | 1.764  | ug/l | 98 |
| 20) Methylene Chloride | 2.85 | 84 | 10980 | 4.300  | ug/l | 97 |
| 43) Isopropyl Acetate  | 6.46 | 43 | 18435 | 2.396  | ug/l | 97 |

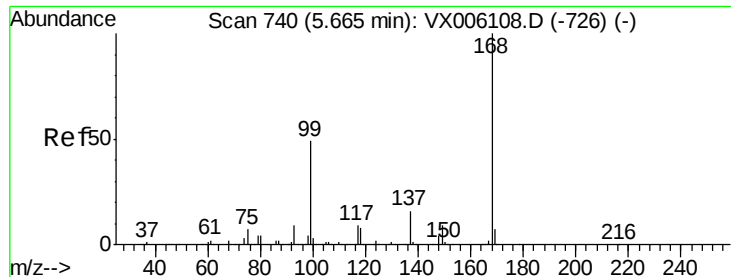
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006186.D

Acq: 26 Nov 2018 20:05

Instrument :

MSVOA\_X

ClientSampleId :

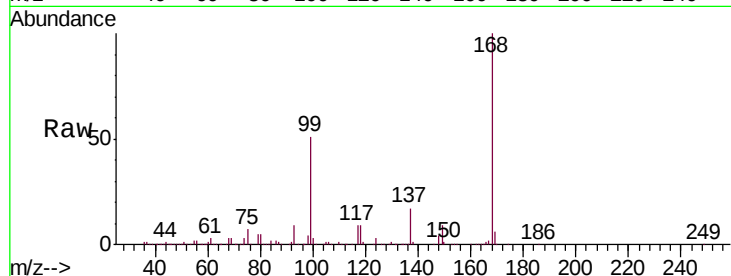
SSSI-1114-S-TCLP-3

Tgt Ion:168 Resp: 305510

Ion Ratio Lower Upper

168 100

99 51.1 39.2 58.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

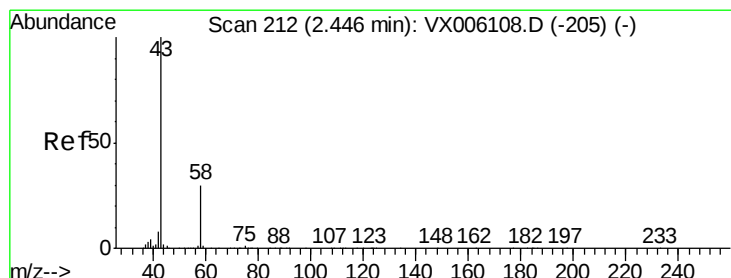
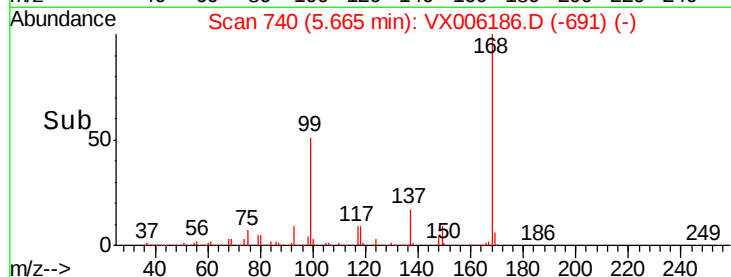
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 8.247 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006186.D

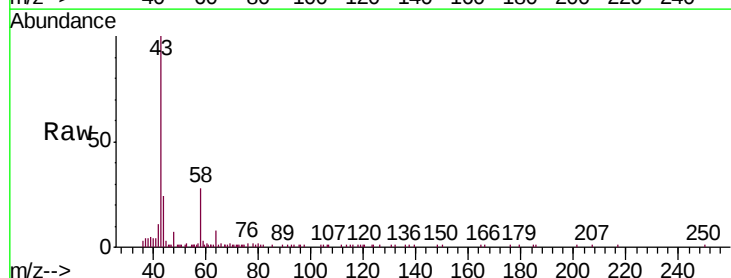
Acq: 26 Nov 2018 20:05

Tgt Ion: 43 Resp: 12955

Ion Ratio Lower Upper

43 100

58 27.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

8000

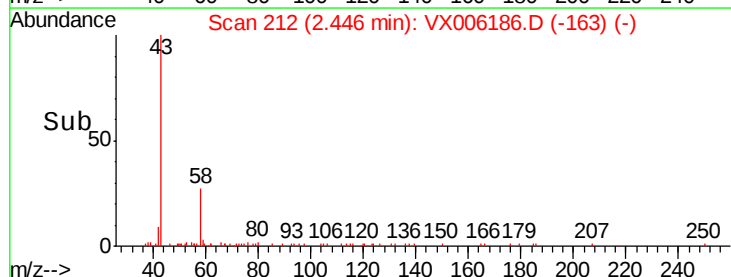
6000

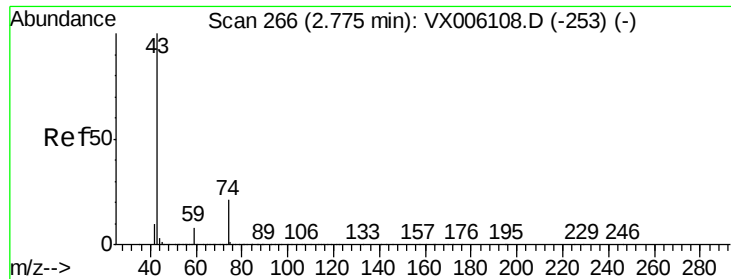
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2000

0

Time-->

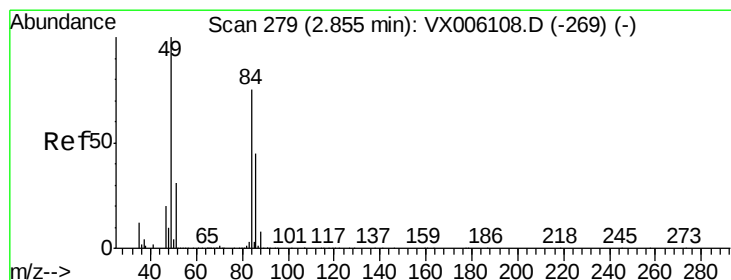
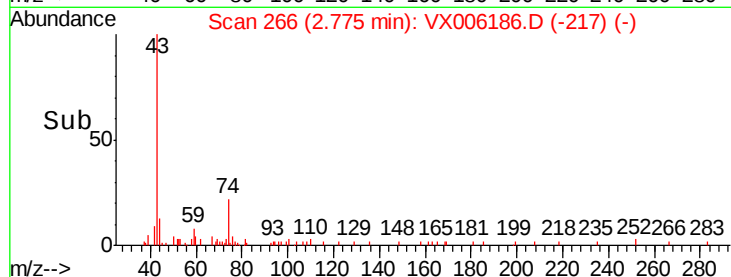
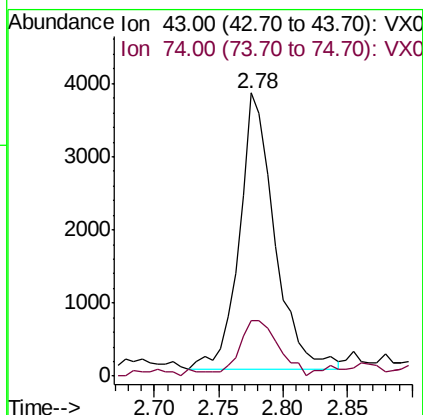
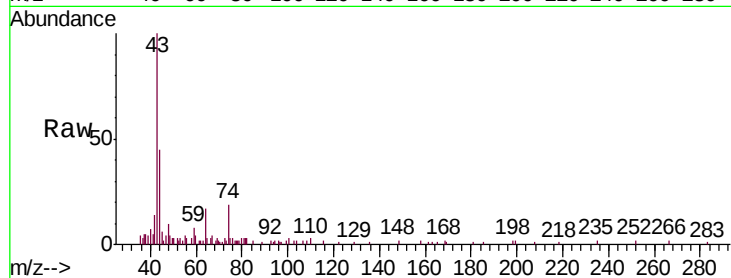




#18  
Methyl Acetate  
Concen: 1.764 ug/l  
RT: 2.78 min Scan# 266  
Delta R.T. 0.00 min  
Lab File: VX006186.D  
Acq: 26 Nov 2018 20:05

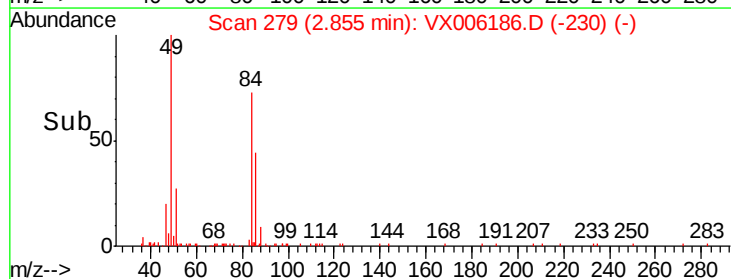
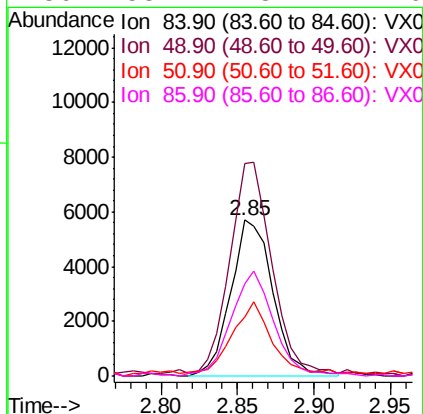
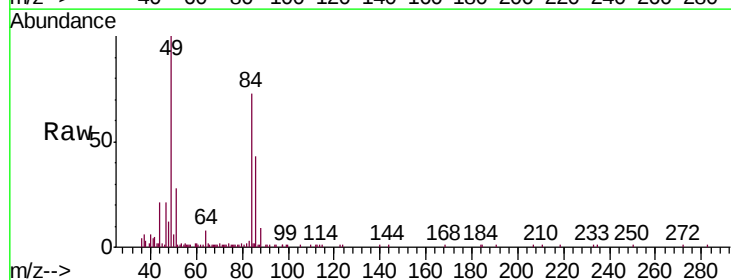
Instrument :  
MSVOA\_X  
ClientSampleId :  
SSSI-1114-S-TCLP-3

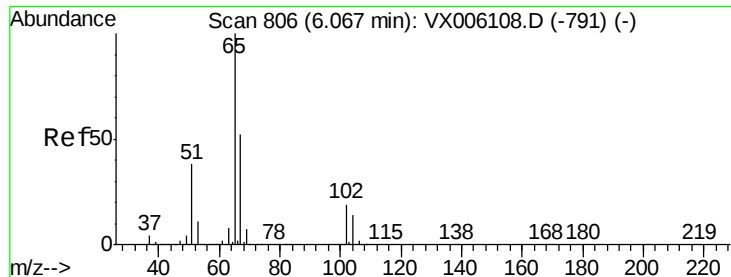
Tgt Ion: 43 Resp: 7106  
Ion Ratio Lower Upper  
43 100  
74 22.5 17.3 25.9



#20  
Methylene Chloride  
Concen: 4.300 ug/l  
RT: 2.85 min Scan# 279  
Delta R.T. 0.00 min  
Lab File: VX006186.D  
Acq: 26 Nov 2018 20:05

Tgt Ion: 84 Resp: 10980  
Ion Ratio Lower Upper  
84 100  
49 136.6 106.6 159.8  
51 36.8 32.6 49.0  
86 58.4 48.4 72.6

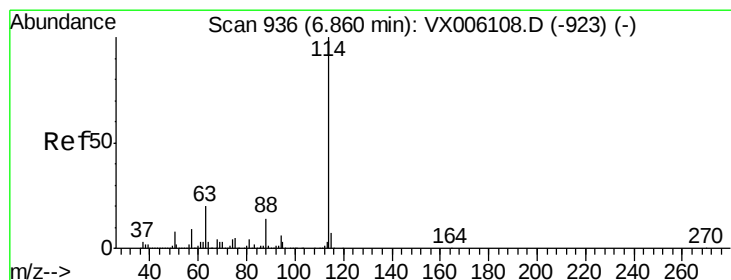
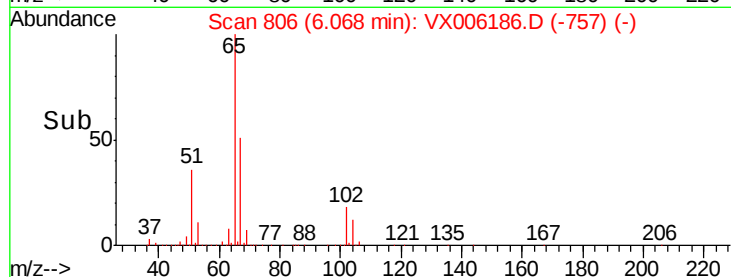
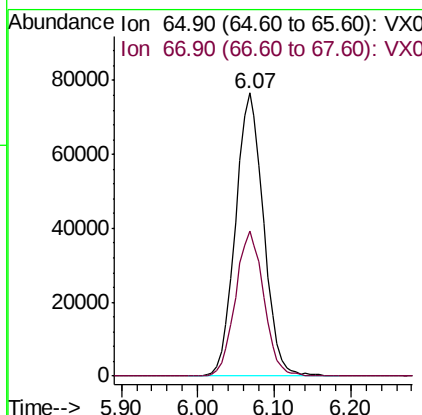
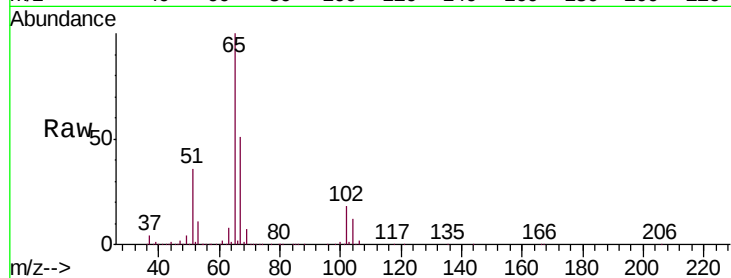




#33  
 1,2-Dichloroethane-d4  
 Concen: 55.003 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. 0.00 min  
 Lab File: VX006186.D  
 Acq: 26 Nov 2018 20:05

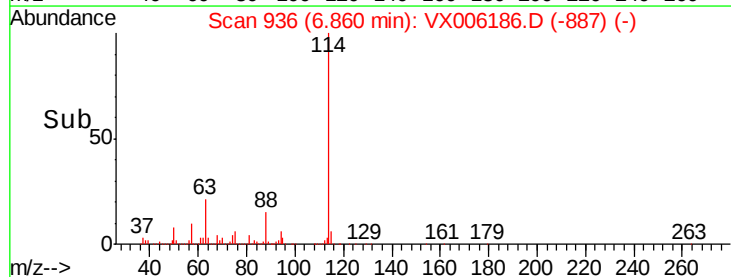
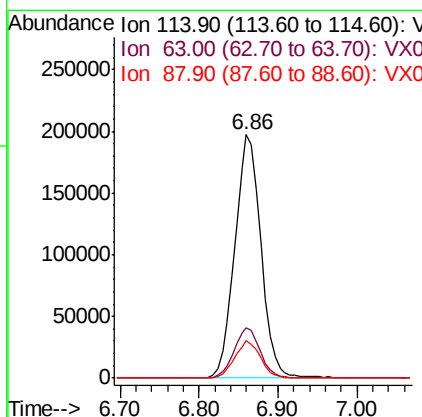
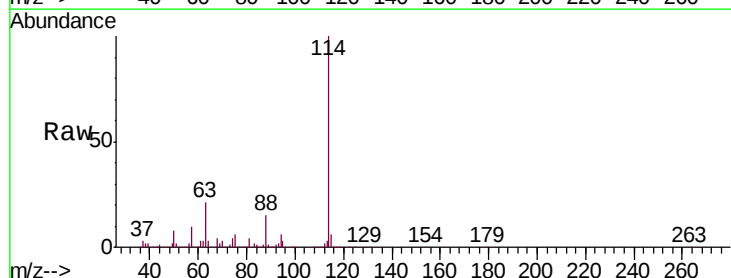
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 SSSI-1114-S-TCLP-3

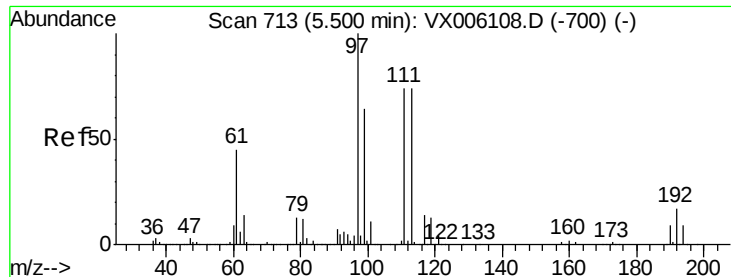
Tgt Ion: 65 Resp: 194717  
 Ion Ratio Lower Upper  
 65 100  
 67 51.6 0.0 105.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. 0.00 min  
 Lab File: VX006186.D  
 Acq: 26 Nov 2018 20:05

Tgt Ion: 114 Resp: 455269  
 Ion Ratio Lower Upper  
 114 100  
 63 20.4 0.0 39.2  
 88 15.4 0.0 28.6





#35

Dibromofluoromethane

Concen: 53.177 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX006186.D

Acq: 26 Nov 2018 20:05

Instrument :

MSVOA\_X

ClientSampleId :

SSSI-1114-S-TCLP-3

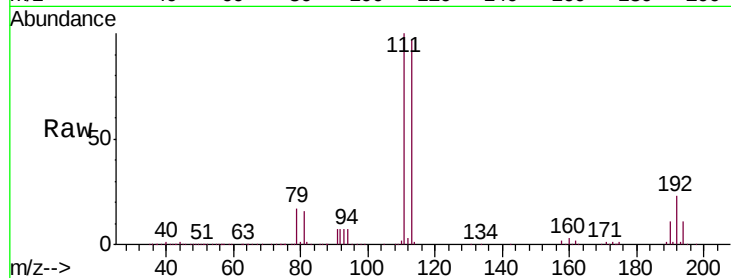
Tgt Ion:113 Resp: 155408

Ion Ratio Lower Upper

113 100

111 102.9 81.5 122.3

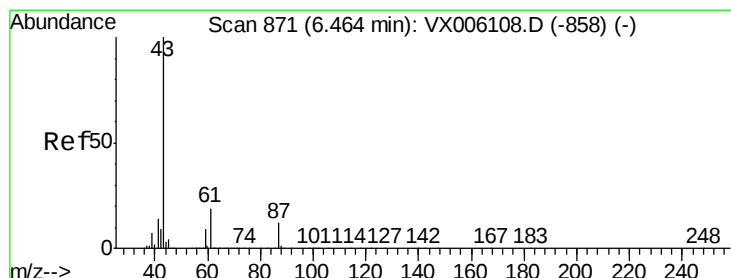
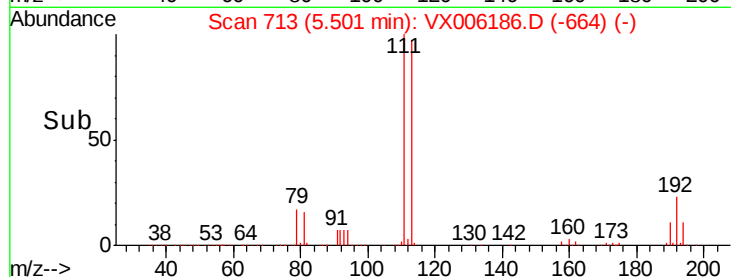
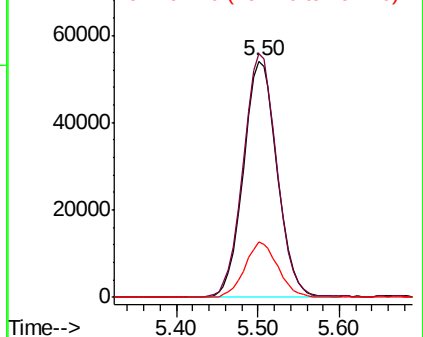
192 23.1 18.6 28.0



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: 2.396 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.00 min

Lab File: VX006186.D

Acq: 26 Nov 2018 20:05

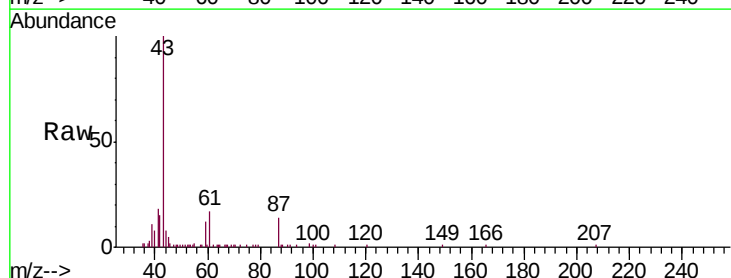
Tgt Ion: 43 Resp: 18435

Ion Ratio Lower Upper

43 100

61 20.1 15.2 22.8

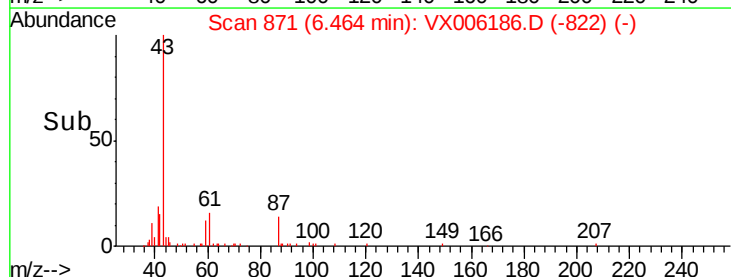
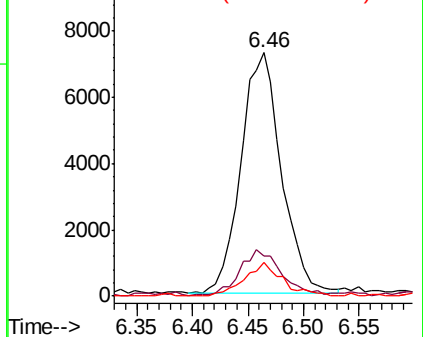
87 13.1 9.6 14.4

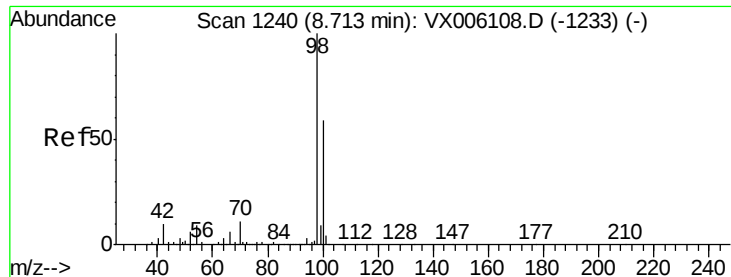


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 53.382 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006186.D

Acq: 26 Nov 2018 20:05

Instrument :

MSVOA\_X

ClientSampleId :

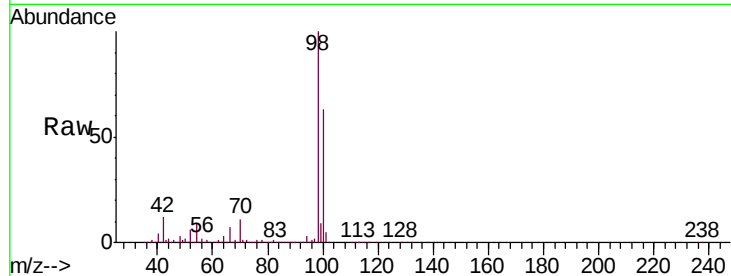
SSSI-1114-S-TCLP-3

Tgt Ion: 98 Resp: 595038

Ion Ratio Lower Upper

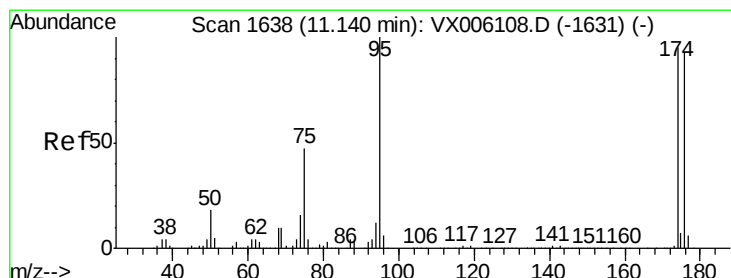
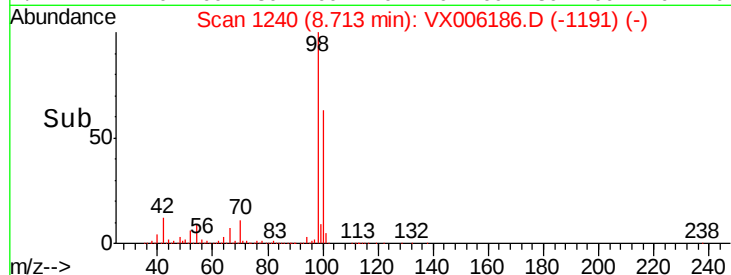
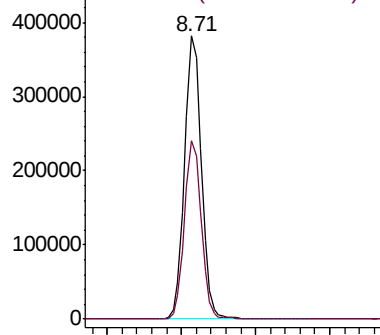
98 100

100 63.0 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 47.111 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX006186.D

Acq: 26 Nov 2018 20:05

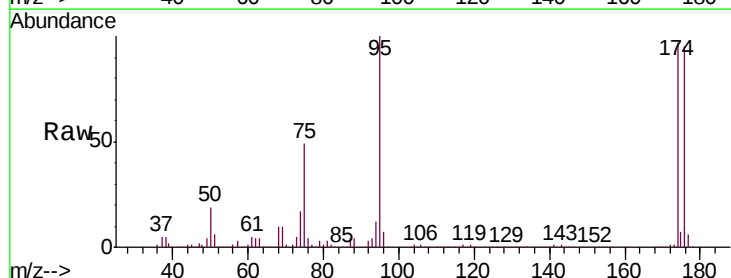
Tgt Ion: 95 Resp: 197031

Ion Ratio Lower Upper

95 100

174 92.3 0.0 184.4

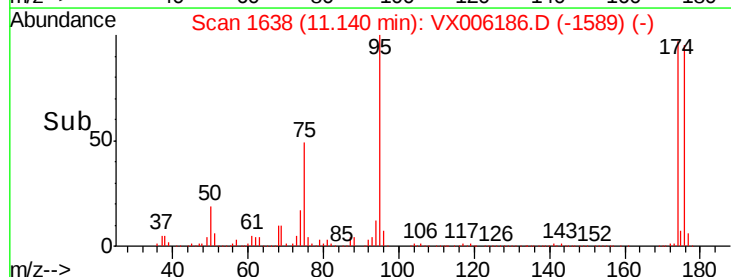
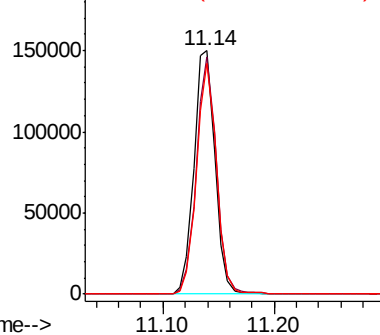
176 89.3 0.0 179.0

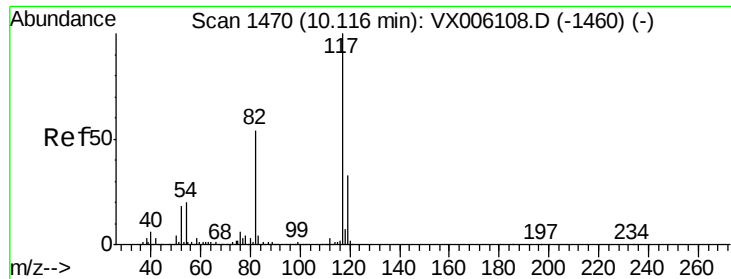


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

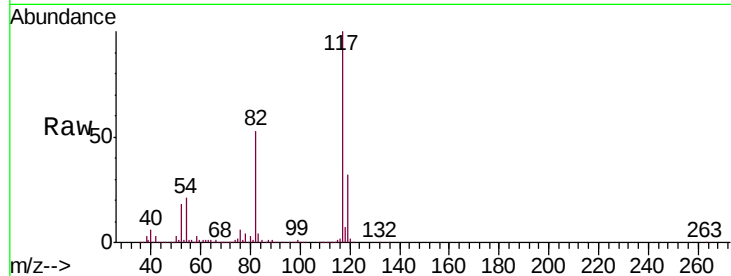




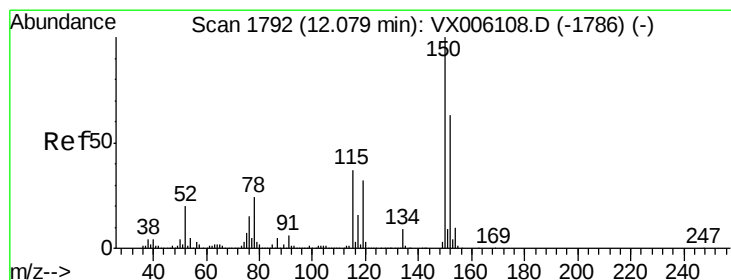
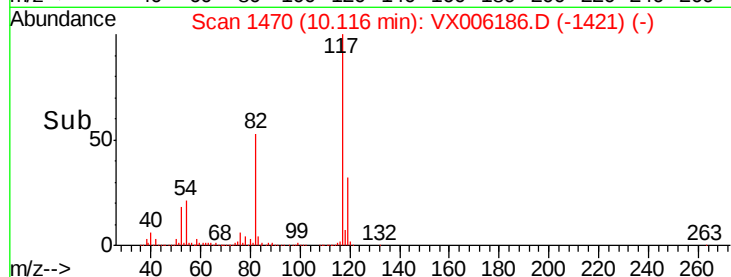
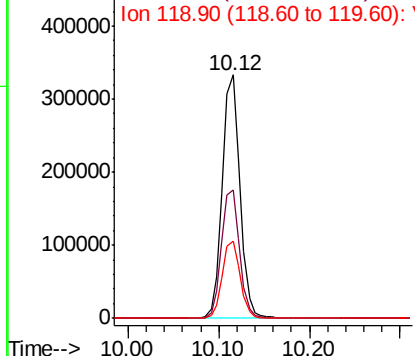
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. 0.00 min  
Lab File: VX006186.D  
Acq: 26 Nov 2018 20:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
SSSI-1114-S-TCLP-3

Tgt Ion:117 Resp: 453672  
Ion Ratio Lower Upper  
117 100  
82 52.9 43.0 64.4  
119 31.7 26.1 39.1

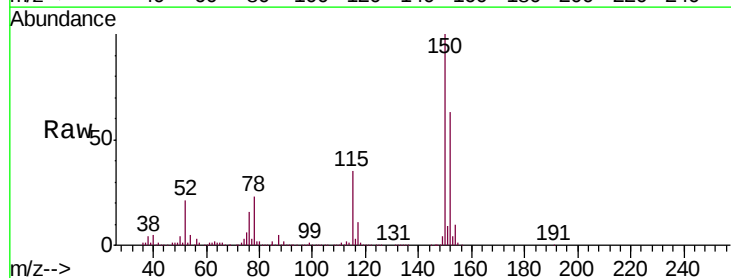


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. 0.00 min  
Lab File: VX006186.D  
Acq: 26 Nov 2018 20:05

Tgt Ion:152 Resp: 208783  
Ion Ratio Lower Upper  
152 100  
115 54.9 39.0 116.9  
150 157.1 0.0 346.6



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

