

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101818\  
 Data File : VX005435.D  
 Acq On : 18 Oct 2018 17:30  
 Operator : JC/MD  
 Sample : J5549-02  
 Misc : 5.0mL/MSVOA X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CB-1018-S-TCLP-GRID-50-2

Quant Time: Oct 19 05:00:31 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 12 11:28:43 2018  
 Response via : Initial Calibration

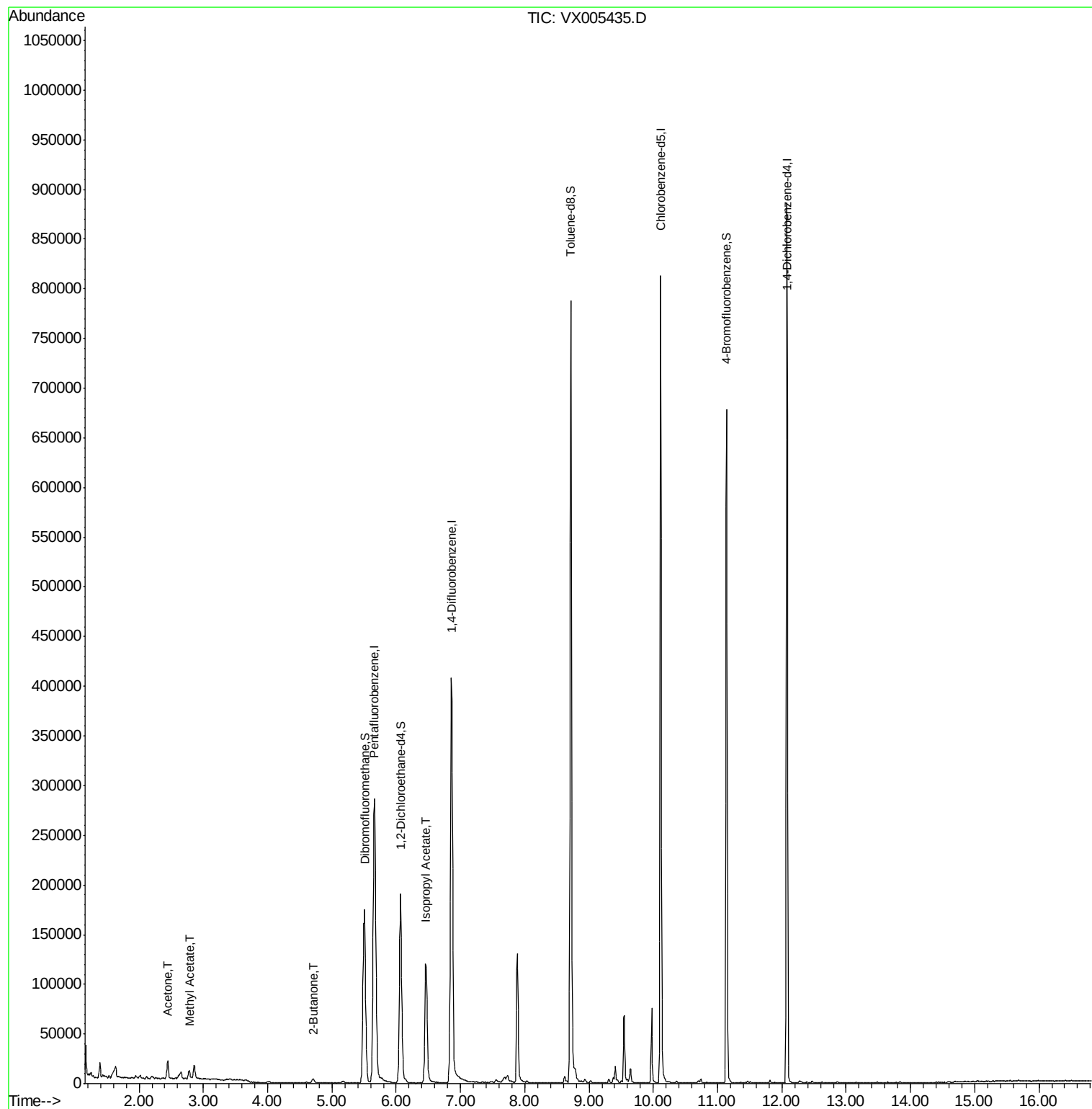
| Internal Standards          | R.T.  | QIon | Response | Conc   | Units   | Dev(Min) |
|-----------------------------|-------|------|----------|--------|---------|----------|
| 1) Pentafluorobenzene       | 5.65  | 168  | 315930   | 50.00  | ug/l    | -0.01    |
| 34) 1,4-Difluorobenzene     | 6.86  | 114  | 440670   | 50.00  | ug/l    | 0.00     |
| 63) Chlorobenzene-d5        | 10.12 | 117  | 390607   | 50.00  | ug/l    | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.08 | 152  | 190015   | 50.00  | ug/l    | 0.00     |
| System Monitoring Compounds |       |      |          |        |         |          |
| 33) 1,2-Dichloroethane-d4   | 6.07  | 65   | 178160   | 50.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 101.62% |          |
| 35) Dibromofluoromethane    | 5.51  | 113  | 152734   | 52.33  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 104.66% |          |
| 50) Toluene-d8              | 8.71  | 98   | 518273   | 51.72  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 103.44% |          |
| 62) 4-Bromofluorobenzene    | 11.14 | 95   | 172420   | 45.81  | ug/l    | 0.00     |
| Spiked Amount 50.000        |       |      | Recovery | =      | 91.62%  |          |
| Target Compounds            |       |      |          |        |         |          |
| 16) Acetone                 | 2.45  | 43   | 18445    | 9.098  | ug/l    | 96       |
| 18) Methyl Acetate          | 2.78  | 43   | 10060    | 1.744  | ug/l    | 97       |
| 25) 2-Butanone              | 4.71  | 43   | 7277     | 2.453  | ug/l    | 98       |
| 43) Isopropyl Acetate       | 6.47  | 43   | 168306   | 23.020 | ug/l    | 96       |

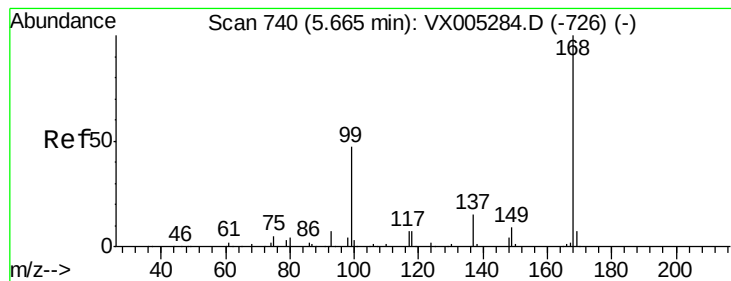
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX101818\  
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CB-1018-S-TCLP-GRID-50-2

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_X\METHOD\82X101218W.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 12 11:28:43 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.01 min

Lab File: VX005435.D

Acq: 18 Oct 2018 17:30

Instrument :

MSVOA\_X

ClientSampleId :

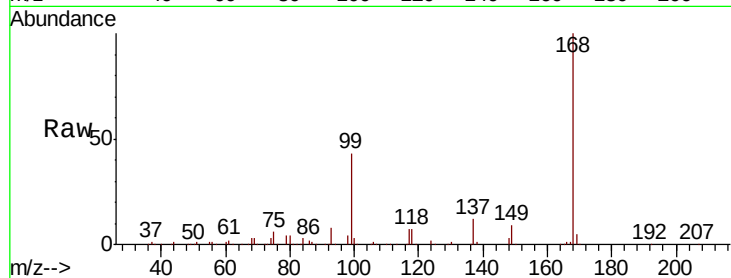
CB-1018-S-TCLP-GRID-50-2

Tot Ion:168 Resp: 315930

Ion Ratio Lower Upper

168 100

99 43.1 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX005284.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX005284.D (-726) (-)

5.65

120000

100000

80000

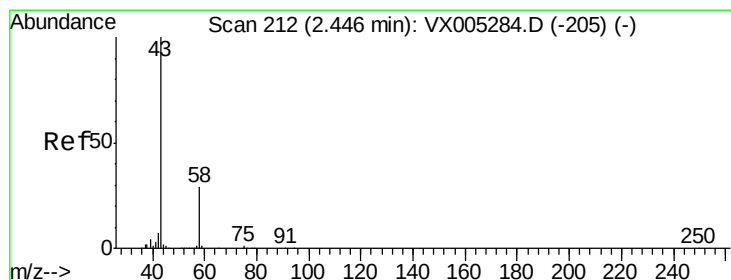
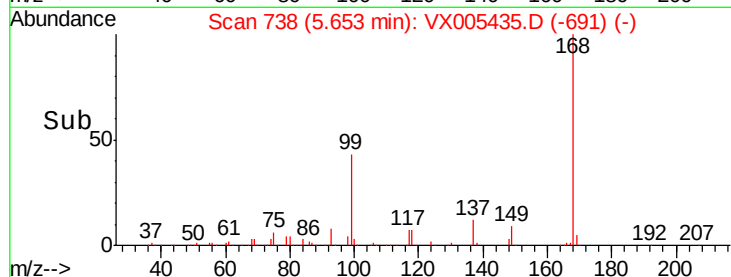
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 9.098 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005435.D

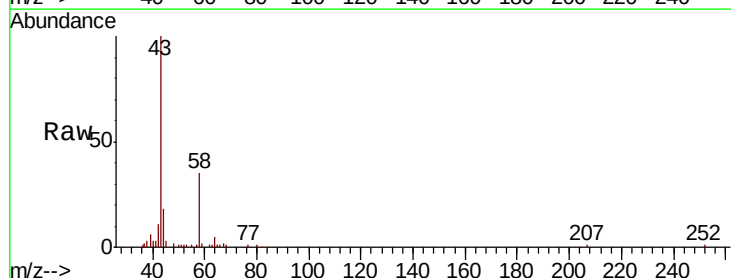
Acq: 18 Oct 2018 17:30

Tgt Ion: 43 Resp: 18445

Ion Ratio Lower Upper

43 100

58 34.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX005284.D (-205) (-)

Ion 58.00 (57.70 to 58.70): VX005284.D (-205) (-)

2.45

12000

10000

8000

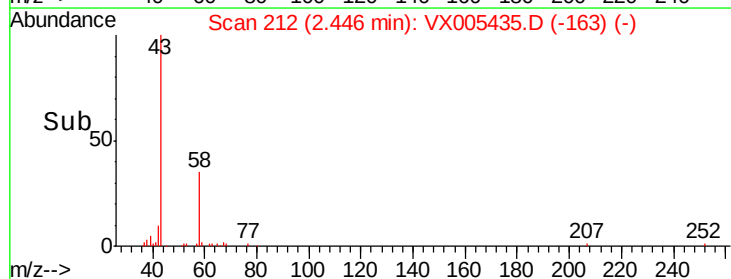
6000

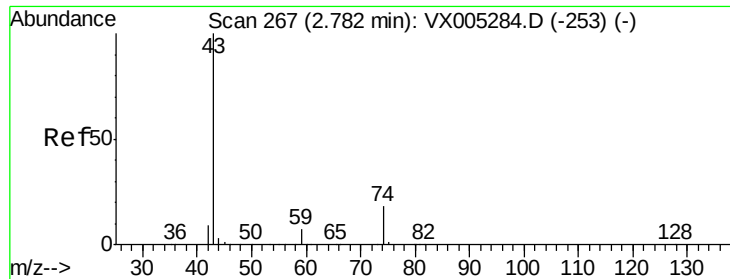
4000

2000

0

Time--> 2.40 2.50

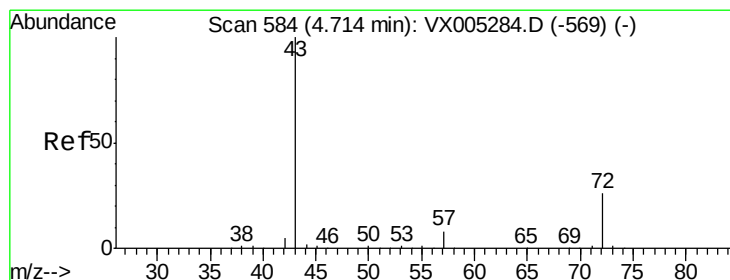
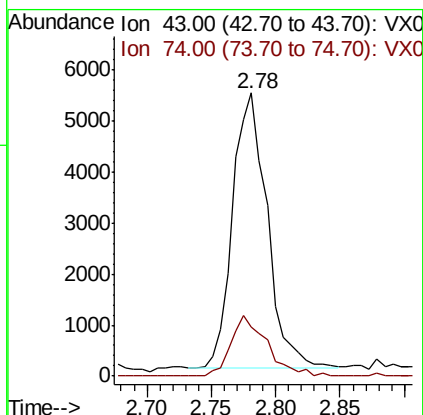
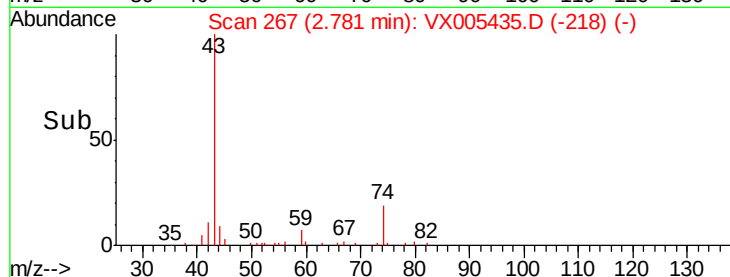
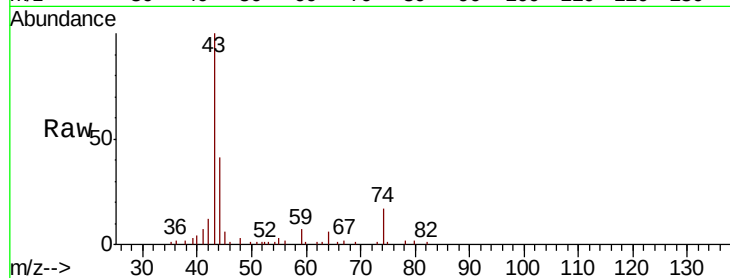




#18  
Methyl Acetate  
Concen: 1.744 ug/l  
RT: 2.78 min Scan# 267  
Delta R.T. -0.00 min  
Lab File: VX005435.D  
Acq: 18 Oct 2018 17:30

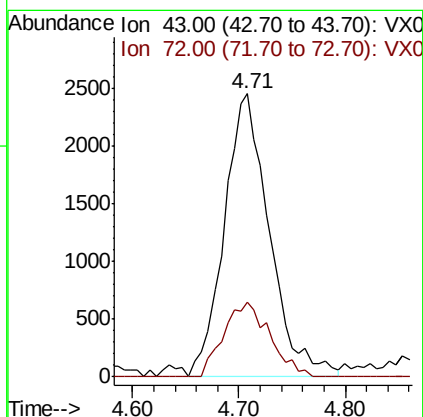
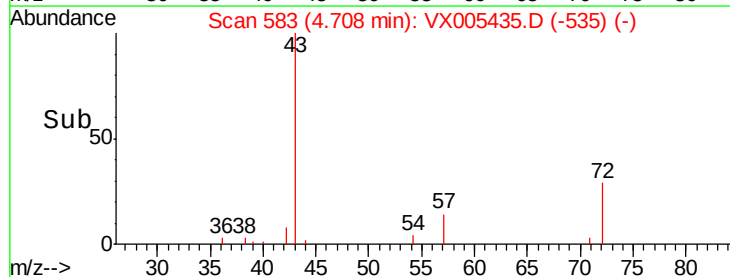
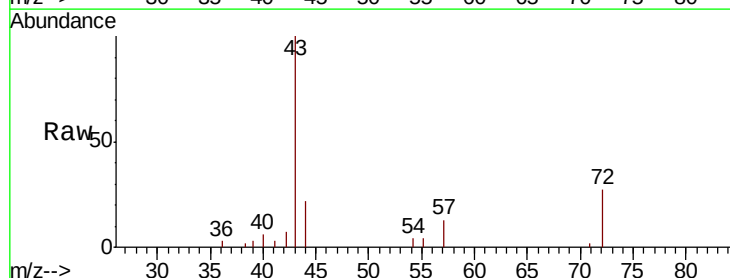
Instrument :  
MSVOA\_X  
ClientSampleId :  
CB-1018-S-TCLP-GRID-50-2

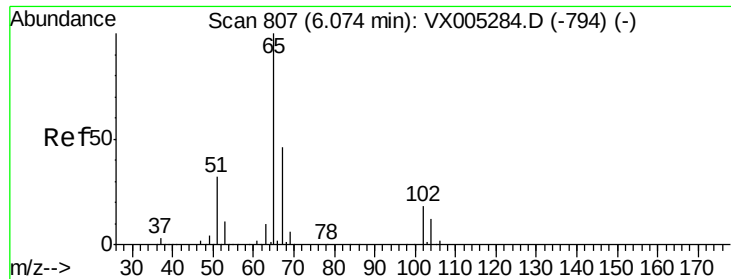
Tot Ion: 43 Resp: 10060  
Ion Ratio Lower Upper  
43 100  
74 23.0 19.4 29.2



#25  
2-Butanone  
Concen: 2.453 ug/l  
RT: 4.71 min Scan# 583  
Delta R.T. -0.01 min  
Lab File: VX005435.D  
Acq: 18 Oct 2018 17:30

Tgt Ion: 43 Resp: 7277  
Ion Ratio Lower Upper  
43 100  
72 26.6 22.0 33.0

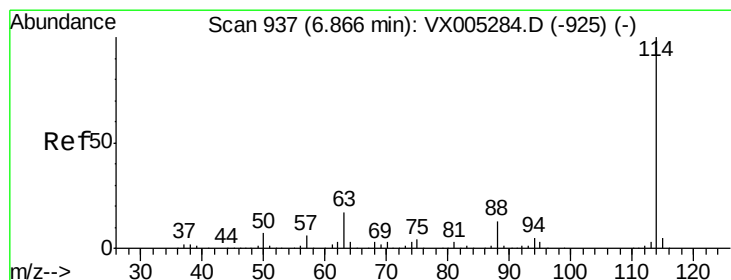
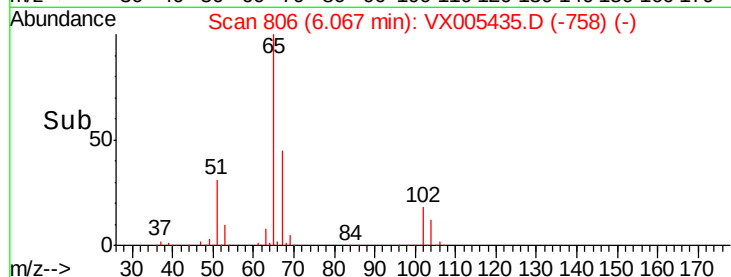
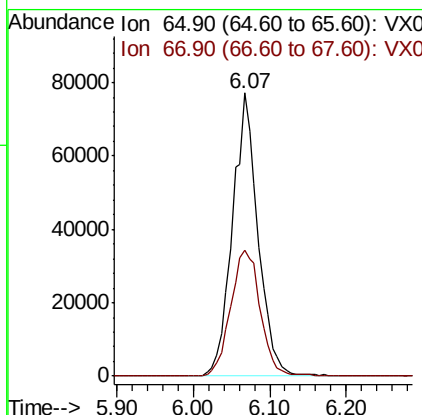
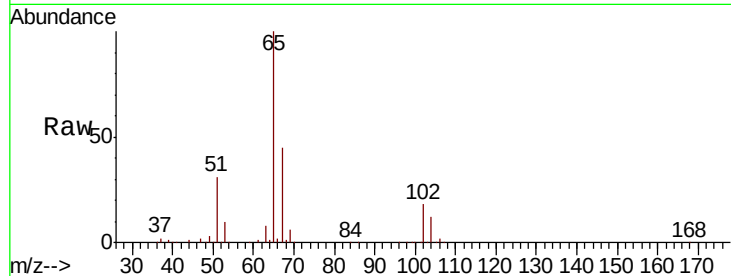




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.811 ug/l  
 RT: 6.07 min Scan# 806  
 Delta R.T. -0.01 min  
 Lab File: VX005435.D  
 Acq: 18 Oct 2018 17:30

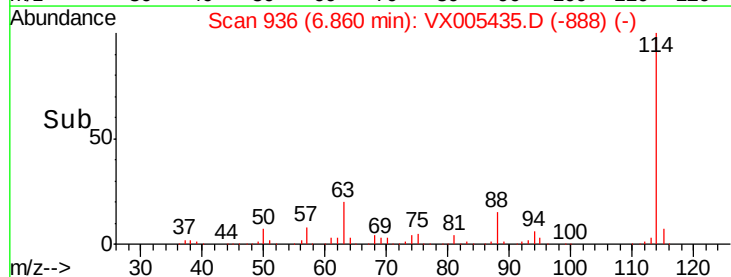
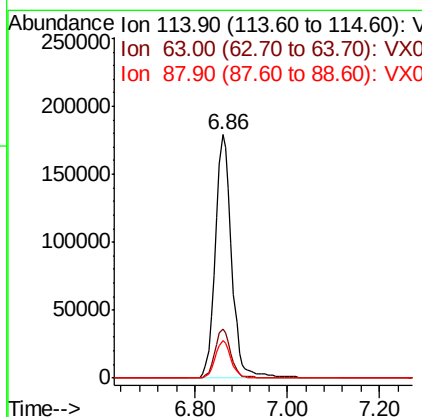
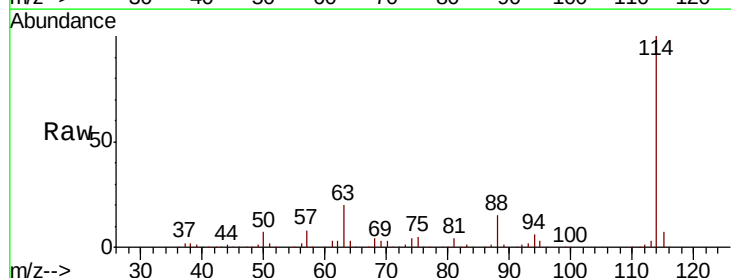
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 CB-1018-S-TCLP-GRID-50-2

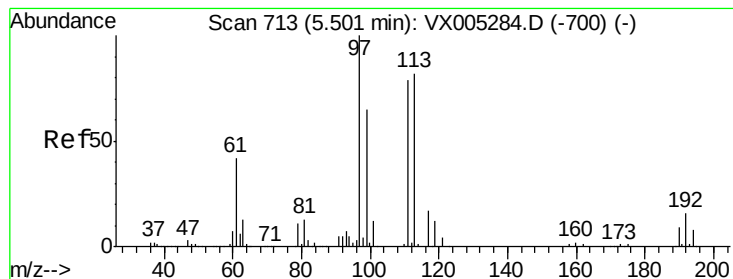
Tot Ion: 65 Resp: 178160  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 106.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.86 min Scan# 936  
 Delta R.T. -0.01 min  
 Lab File: VX005435.D  
 Acq: 18 Oct 2018 17:30

Tgt Ion: 114 Resp: 440670  
 Ion Ratio Lower Upper  
 114 100  
 63 19.9 0.0 39.0  
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 52.330 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005435.D

Acq: 18 Oct 2018 17:30

Instrument :

MSVOA\_X

ClientSampleId :

CB-1018-S-TCLP-GRID-50-2

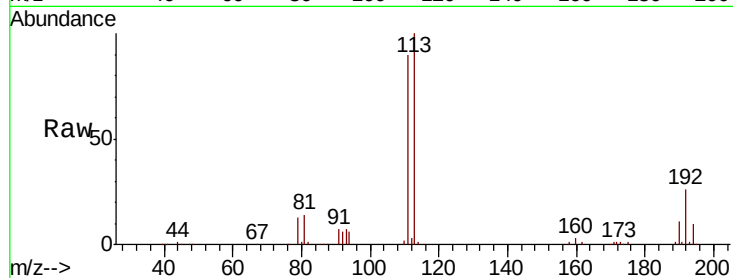
Tot Ion:113 Resp: 152734

Ion Ratio Lower Upper

113 100

111 99.8 82.4 123.6

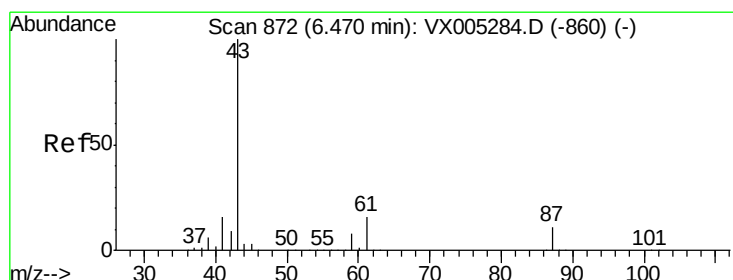
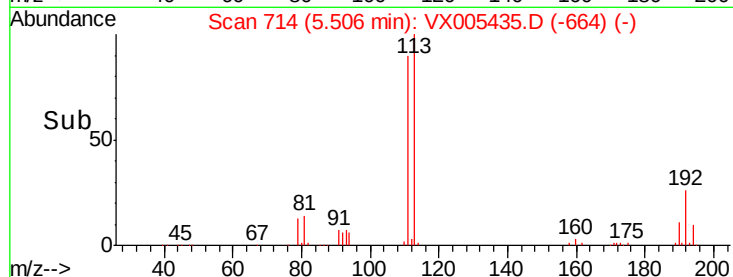
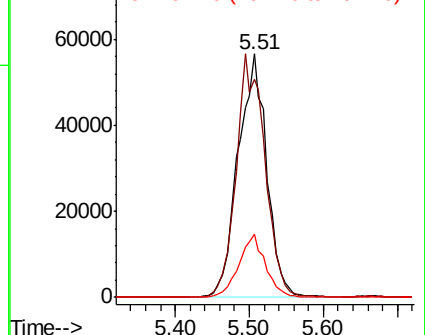
192 23.9 19.4 29.2



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: 23.020 ug/l

RT: 6.47 min Scan# 872

Delta R.T. -0.00 min

Lab File: VX005435.D

Acq: 18 Oct 2018 17:30

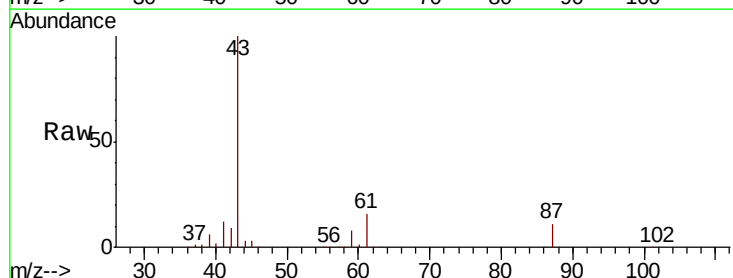
Tgt Ion: 43 Resp: 168306

Ion Ratio Lower Upper

43 100

61 19.5 17.0 25.4

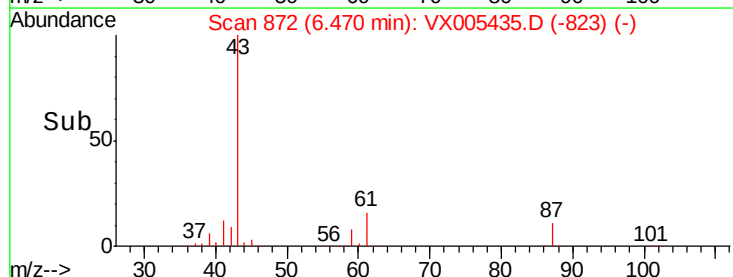
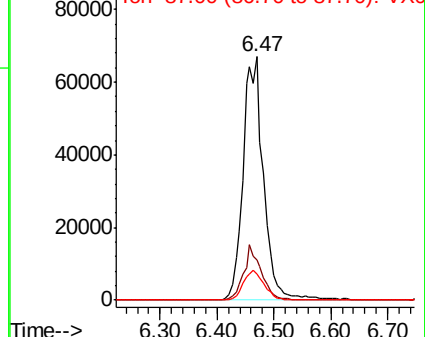
87 12.5 11.4 17.2

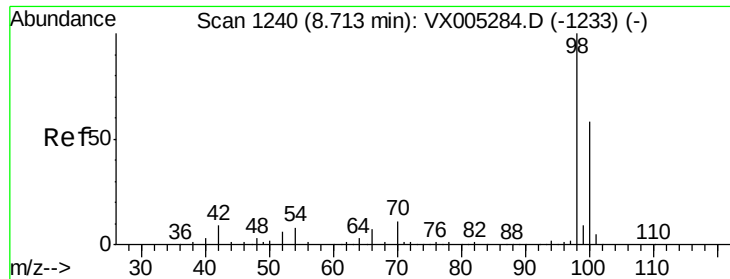


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0





#50

Toluene-d8

Concen: 51.724 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005435.D

Acq: 18 Oct 2018 17:30

Instrument :

MSVOA\_X

ClientSampleId :

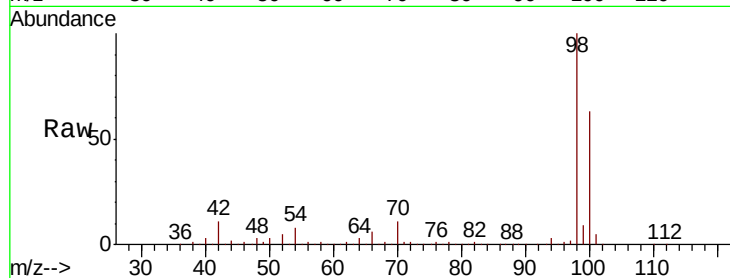
CB-1018-S-TCLP-GRID-50-2

Tot Ion: 98 Resp: 518273

Ion Ratio Lower Upper

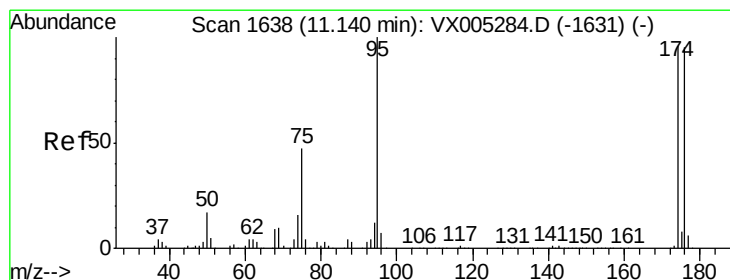
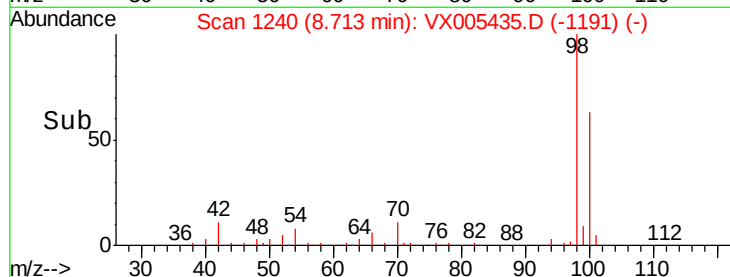
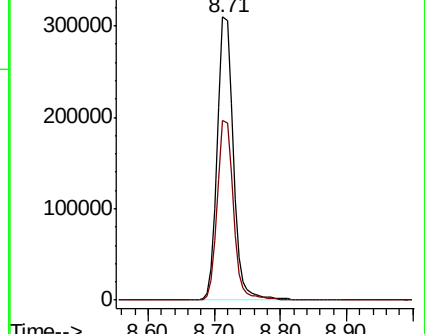
98 100

100 63.6 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.806 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005435.D

Acq: 18 Oct 2018 17:30

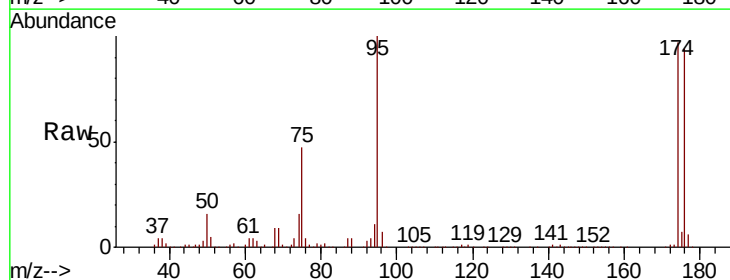
Tgt Ion: 95 Resp: 172420

Ion Ratio Lower Upper

95 100

174 96.4 0.0 185.2

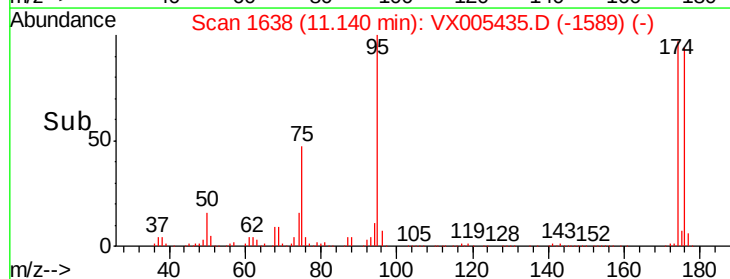
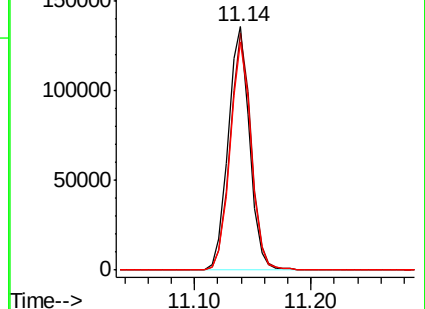
176 92.6 0.0 178.6

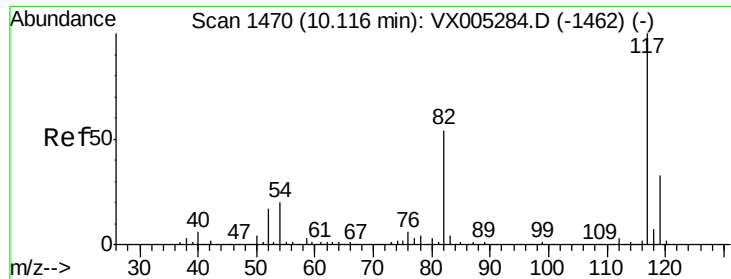


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

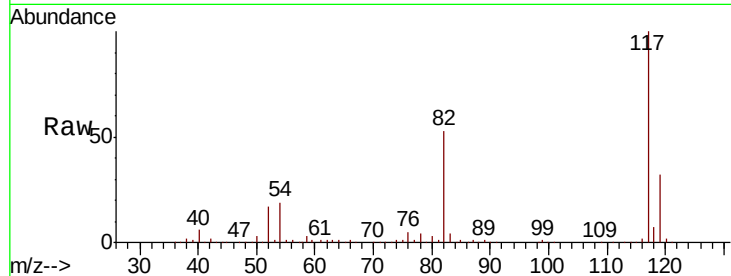




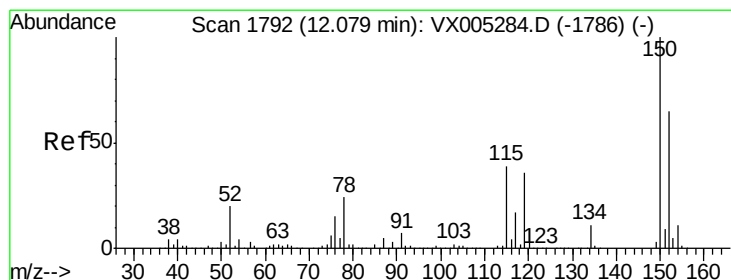
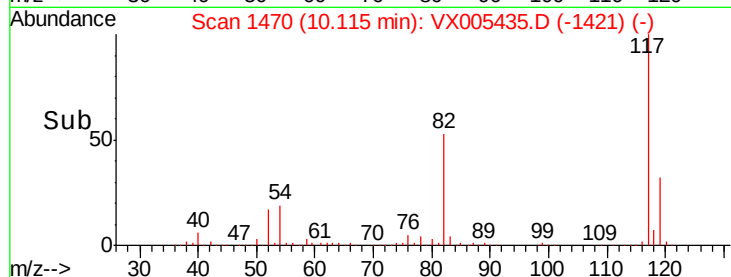
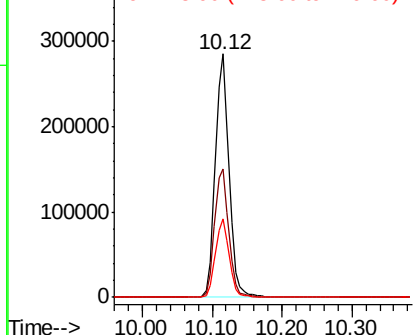
#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.12 min Scan# 1470  
Delta R.T. -0.00 min  
Lab File: VX005435.D  
Acq: 18 Oct 2018 17:30

Instrument :  
MSVOA\_X  
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CB-1018-S-TCLP-GRID-50-2

Tot Ion:117 Resp: 390607  
Ion Ratio Lower Upper  
117 100  
82 53.0 47.8 71.6  
119 32.4 29.3 43.9

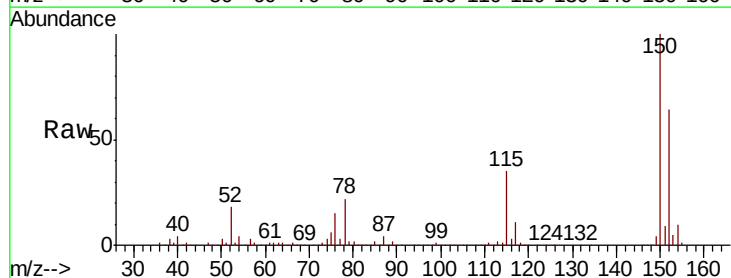


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.08 min Scan# 1792  
Delta R.T. -0.00 min  
Lab File: VX005435.D  
Acq: 18 Oct 2018 17:30

Tgt Ion:152 Resp: 190015  
Ion Ratio Lower Upper  
152 100  
115 53.8 39.0 117.0  
150 155.7 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

