

Data Path : W:\HPCHEM1\MSVOA\_X\DATA\VX041418\  
 Data File : VX000883.D  
 Acq On : 14 Apr 2018 18:52  
 Operator : JC/MD  
 Sample : J2353-11  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 LF012MW008-180410

Quant Time: Apr 16 05:52:52 2018  
 Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X041018W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Apr 10 15:49:28 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 232746   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 313611   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 284843   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 180041   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.08   | 65  | 137811   | 46.96 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 93.92% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 111398   | 46.10 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 92.20% |      |
| 50) Toluene-d8              | 8.72   | 98  | 437377   | 48.62 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 97.24% |      |
| 62) 4-Bromofluorobenzene    | 11.15  | 95  | 162444   | 43.64 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.28% |      |

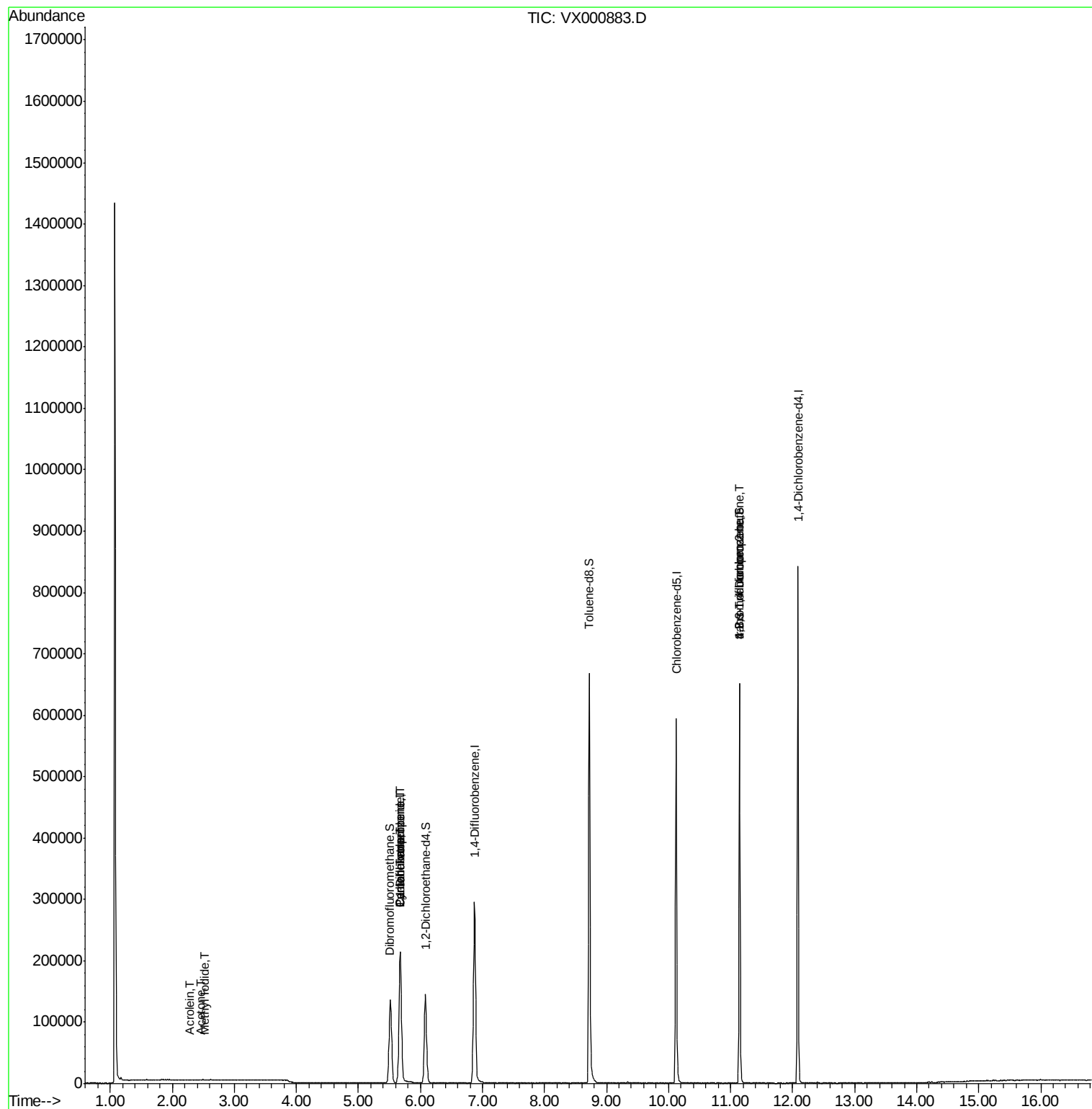
| Target Compounds               |       |     |       |           |        | Qvalue |
|--------------------------------|-------|-----|-------|-----------|--------|--------|
| 5) Bromomethane                | 1.66  | 94  | 399   | Below Cal | #      | 35     |
| 10) Methyl Iodide              | 2.53  | 142 | 34    | 8.25      | ug/l # | 42     |
| 13) Acrolein                   | 2.28  | 56  | 233   | 0.92      | ug/l # | 13     |
| 16) Acetone                    | 2.46  | 43  | 456   | 0.45      | ug/l # | 53     |
| 31) Cyclohexane                | 5.67  | 56  | 3821  | 0.99      | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.68  | 75  | 13953 | 4.04      | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 19861 | 5.14      | ug/l # | 14     |
| 76) 1,2,3-Trichloropropane     | 11.15 | 75  | 80508 | 25.93     | ug/l # | 36     |
| 81) trans-1,4-Dichloro-2-buten | 11.15 | 75  | 80508 | 71.32     | ug/l # | 11     |

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

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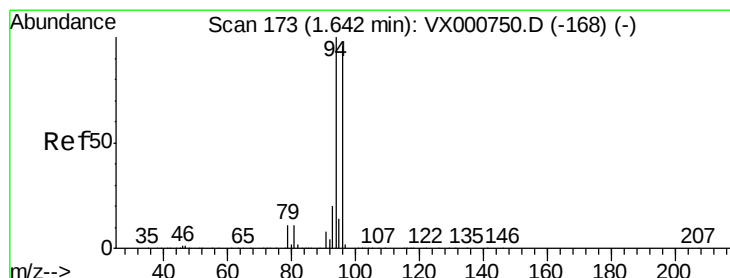
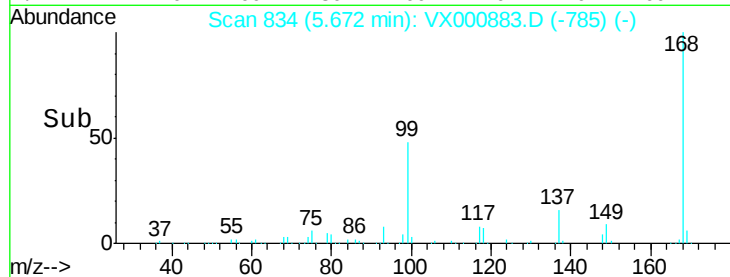
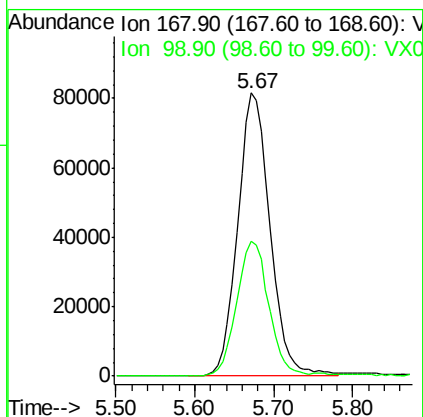
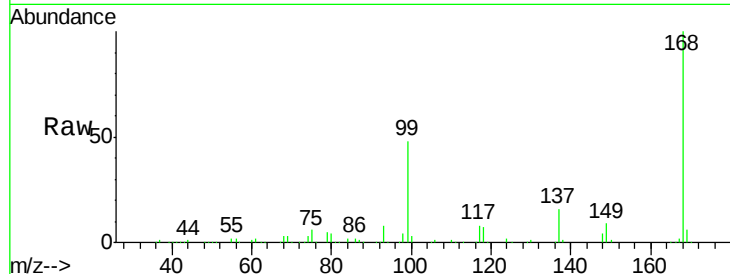




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.67 min Scan# 834  
Delta R.T. -0.00 min  
Lab File: VX000883.D  
Acq: 14 Apr 2018 18:52

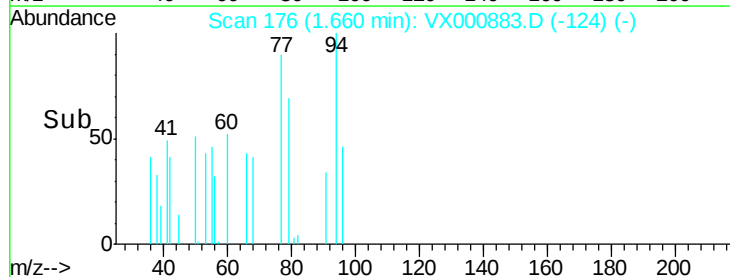
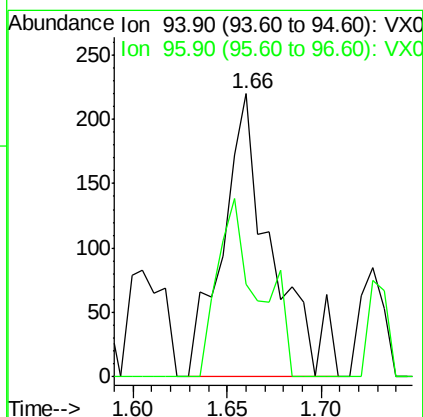
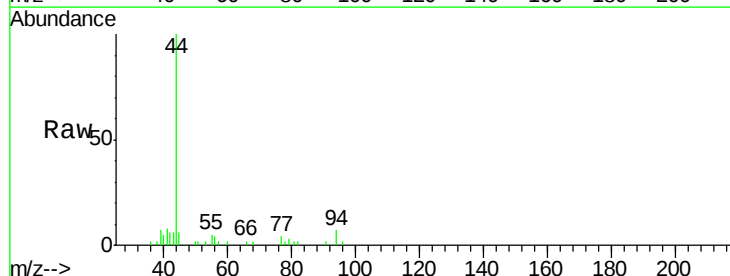
Instrument :  
MSVOA\_X  
ClientSampleId :  
LF012MW008-180410

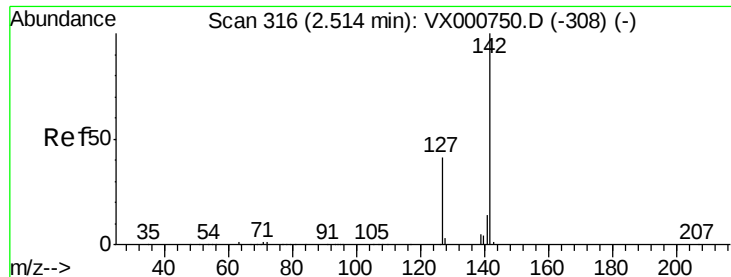
Tgt Ion: 168 Resp: 232746  
Ion Ratio Lower Upper  
168 100  
99 47.8 38.3 57.5



#5  
Bromomethane  
Concen: Below Cal  
RT: 1.66 min Scan# 176  
Delta R.T. 0.02 min  
Lab File: VX000883.D  
Acq: 14 Apr 2018 18:52

Tgt Ion: 94 Resp: 399  
Ion Ratio Lower Upper  
94 100  
96 32.7 77.0 115.6#

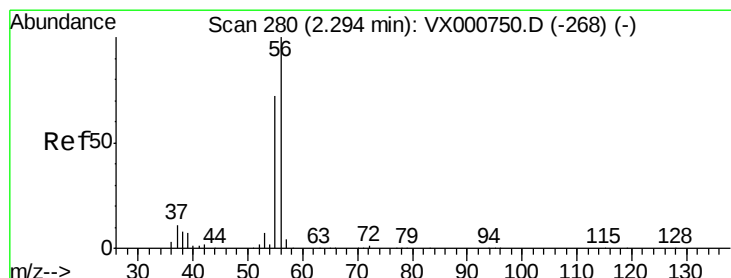
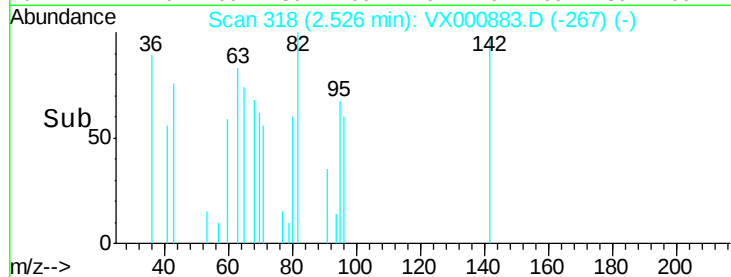
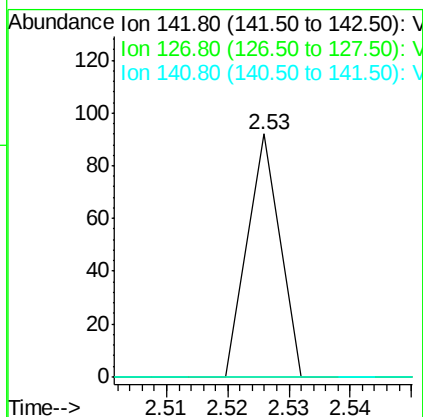
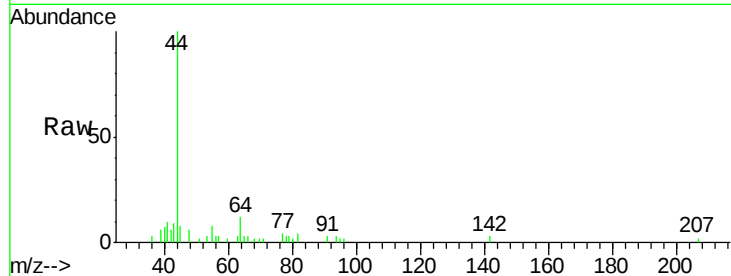




#10  
Methyl Iodide  
Concen: 8.25 ug/l  
RT: 2.53 min Scan# 318  
Delta R.T. 0.01 min  
Lab File: VX000883.D  
Acq: 14 Apr 2018 18:52

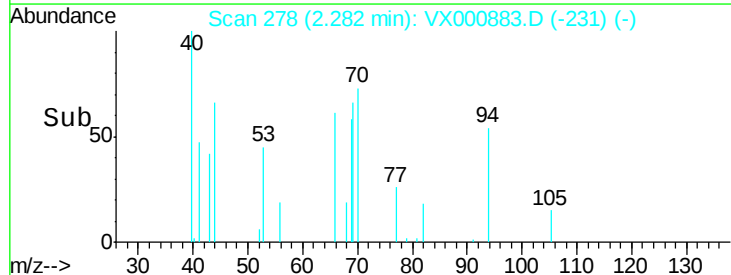
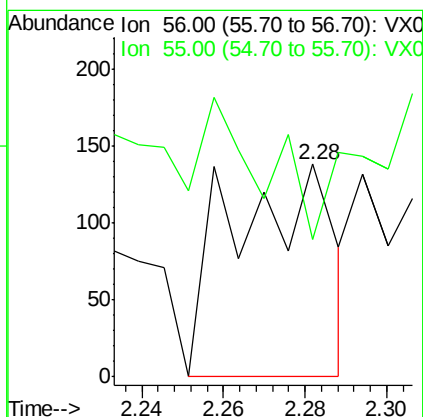
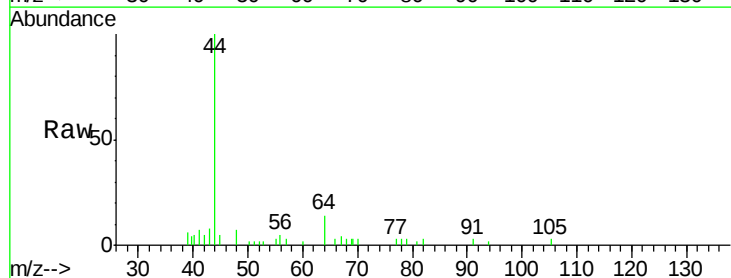
Instrument :  
MSVOA\_X  
ClientSampleId :  
LF012MW008-180410

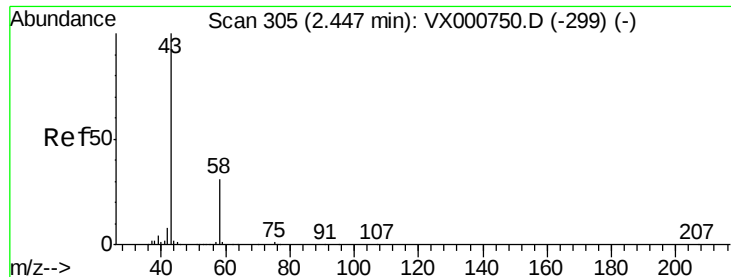
Tgt Ion: 142 Resp: 34  
Ion Ratio Lower Upper  
142 100  
127 0.0 32.6 49.0#  
141 0.0 11.5 17.3#



#13  
Acrolein  
Concen: 0.92 ug/l  
RT: 2.28 min Scan# 278  
Delta R.T. -0.01 min  
Lab File: VX000883.D  
Acq: 14 Apr 2018 18:52

Tgt Ion: 56 Resp: 233  
Ion Ratio Lower Upper  
56 100  
55 0.0 58.7 88.1#





#16

Acetone

Concen: 0.45 ug/l

RT: 2.46 min Scan# 307

Delta R.T. 0.01 min

Lab File: VX000883.D

Acq: 14 Apr 2018 18:52

Instrument :

MSVOA\_X

ClientSampleId :

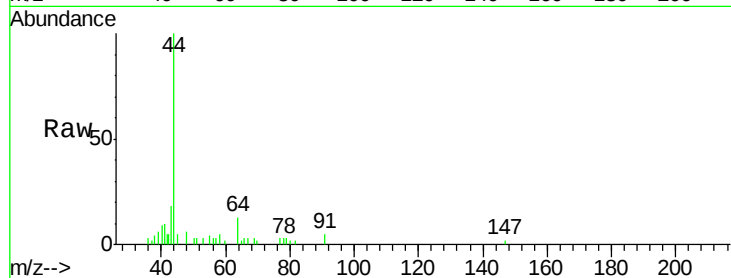
LF012MW008-180410

Tgt Ion: 43 Resp: 456

Ion Ratio Lower Upper

43 100

58 56.8 24.6 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.46

500

400

300

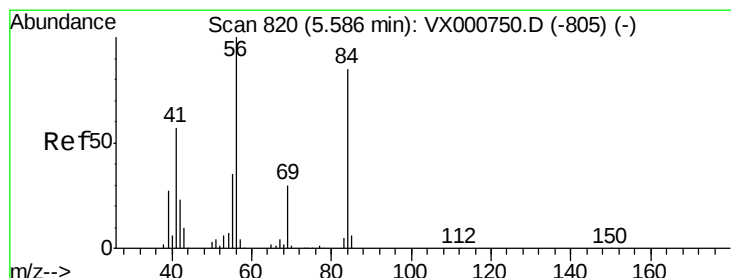
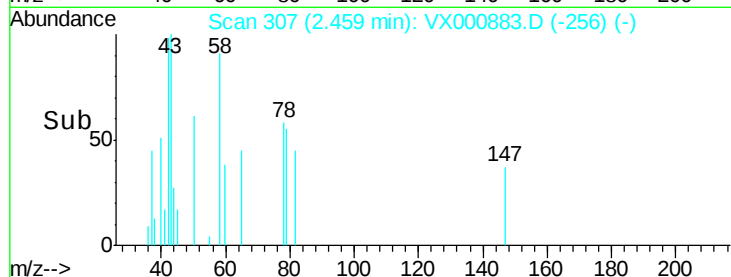
200

100

0

Time-->

2.40 2.45 2.50



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX000883.D

Acq: 14 Apr 2018 18:52

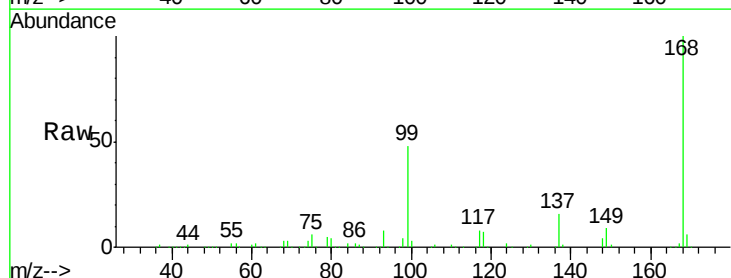
Tgt Ion: 56 Resp: 3821

Ion Ratio Lower Upper

56 100

69 187.3 24.2 36.4#

84 134.6 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

3000

2500

2000

1500

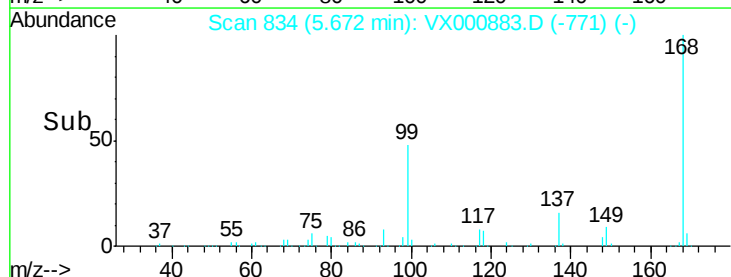
1000

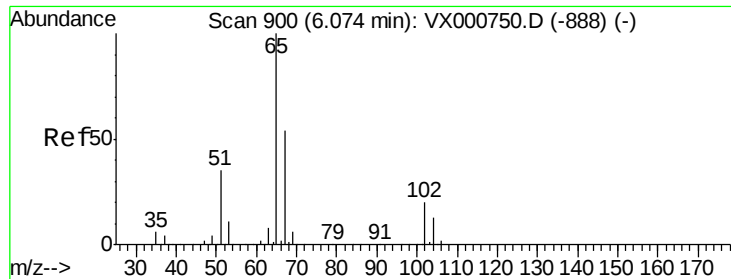
500

0

Time-->

5.55 5.60 5.65 5.70 5.75





#33

1,2-Dichloroethane-d4

Concen: 46.96 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX000883.D

Acq: 14 Apr 2018 18:52

Instrument :

MSVOA\_X

ClientSampleId :

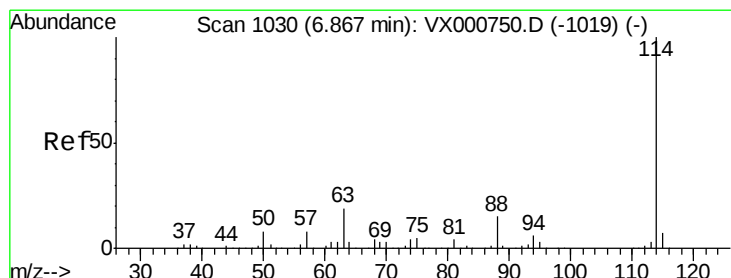
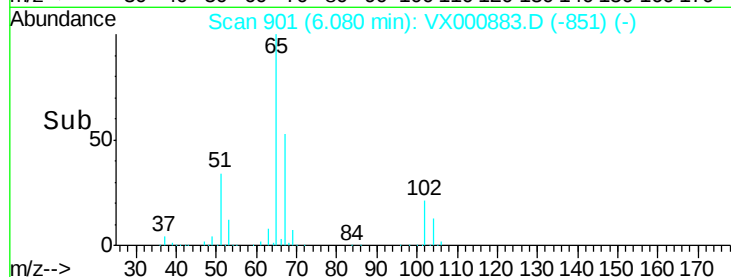
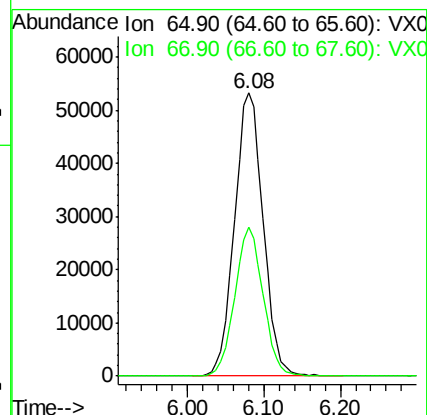
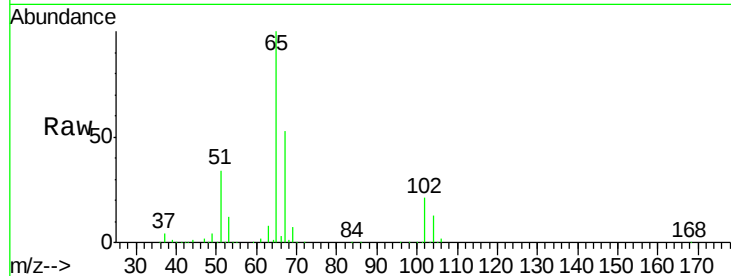
LF012MW008-180410

Tgt Ion: 65 Resp: 137811

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VX000883.D

Acq: 14 Apr 2018 18:52

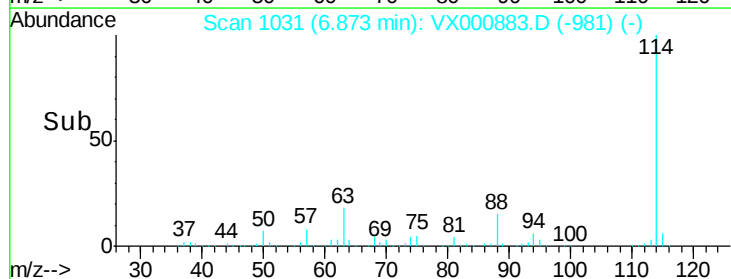
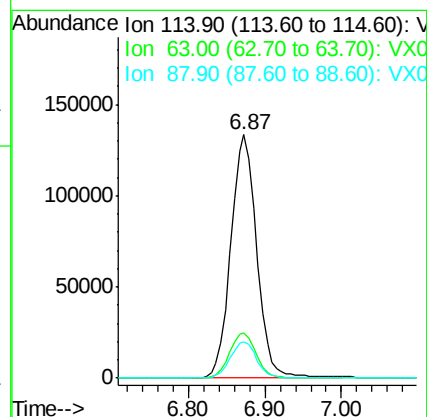
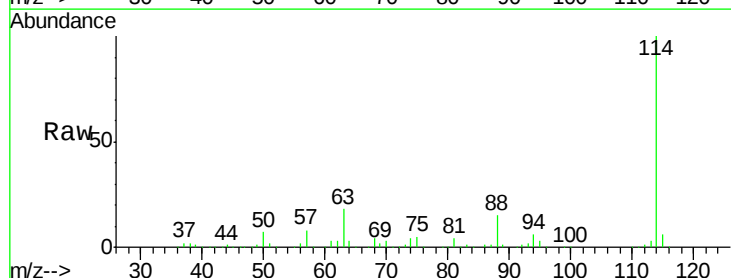
Tgt Ion: 114 Resp: 313611

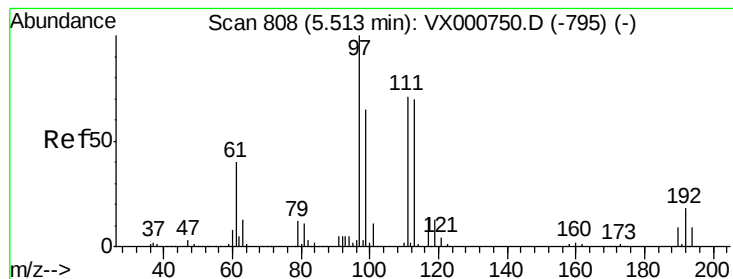
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 15.1 0.0 31.0





#35

Dibromofluoromethane

Concen: 46.10 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000883.D

Acq: 14 Apr 2018 18:52

Instrument :

MSVOA\_X

ClientSampleId :

LF012MW008-180410

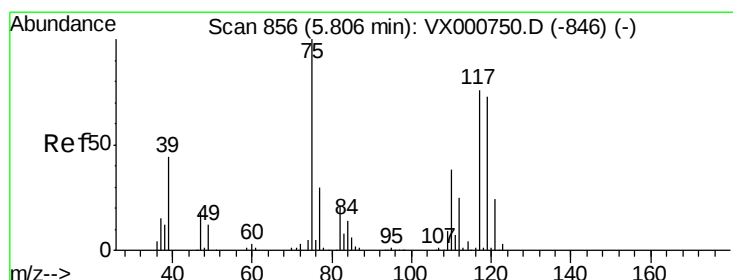
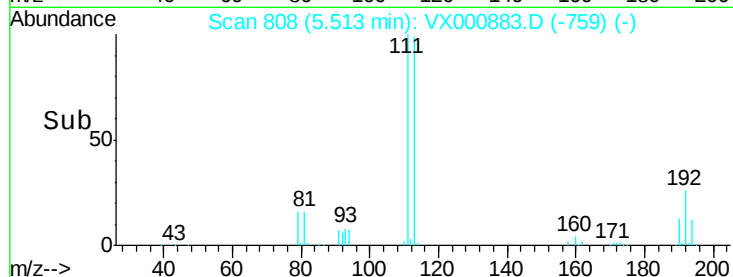
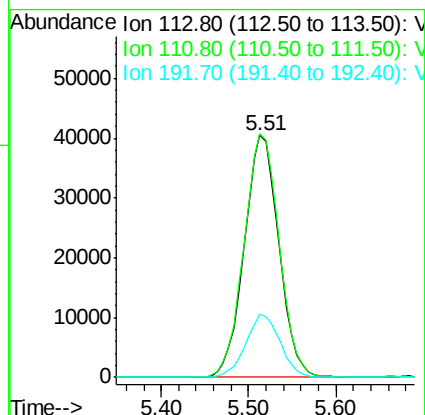
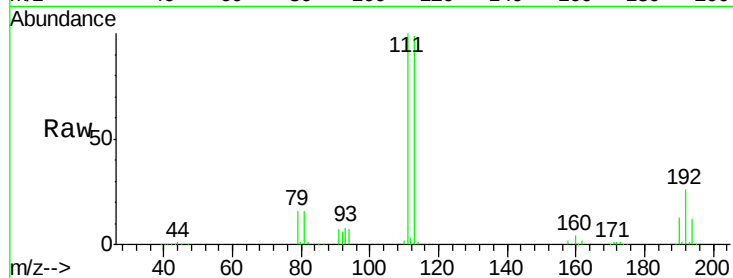
Tgt Ion:113 Resp: 111398

Ion Ratio Lower Upper

113 100

111 102.5 81.5 122.3

192 25.8 20.4 30.6



#36

1,1-Dichloropropene

Concen: 4.04 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000883.D

Acq: 14 Apr 2018 18:52

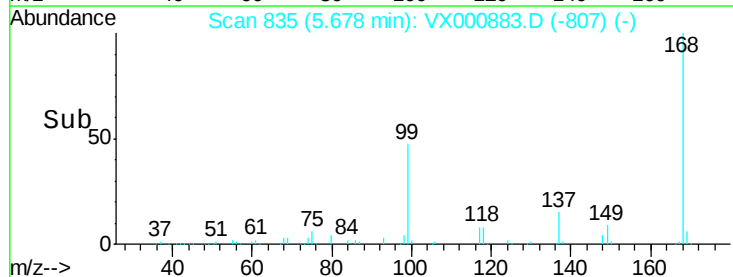
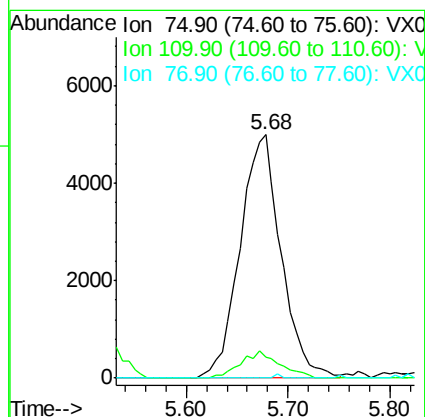
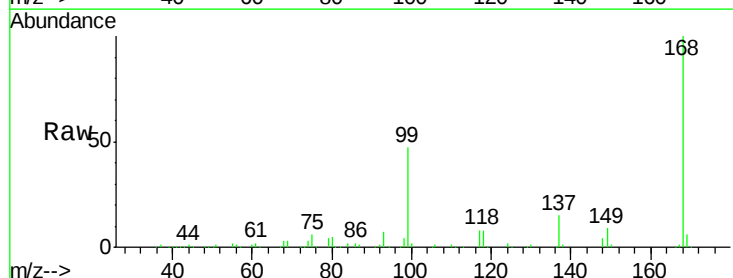
Tgt Ion: 75 Resp: 13953

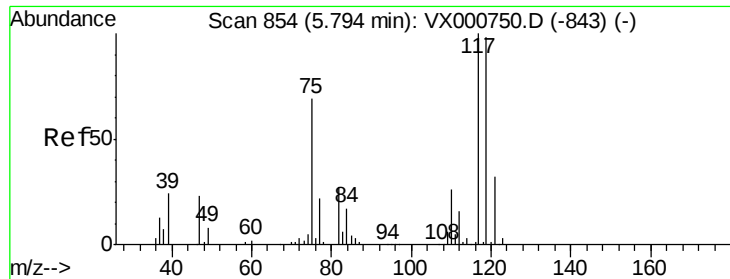
Ion Ratio Lower Upper

75 100

110 10.5 19.2 57.6#

77 0.2 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 5.14 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX000883.D

Acq: 14 Apr 2018 18:52

Instrument :

MSVOA\_X

ClientSampleId :

LF012MW008-180410

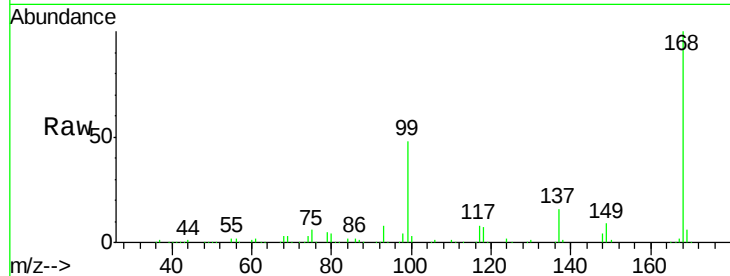
Tgt Ion: 117 Resp: 19861

Ion Ratio Lower Upper

117 100

119 3.8 78.4 117.6#

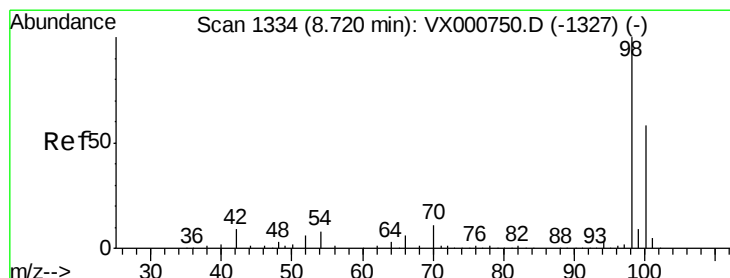
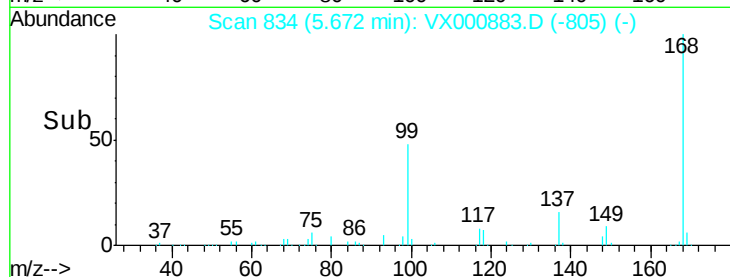
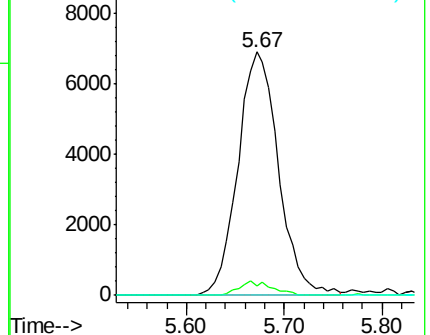
121 0.0 25.4 38.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.62 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX000883.D

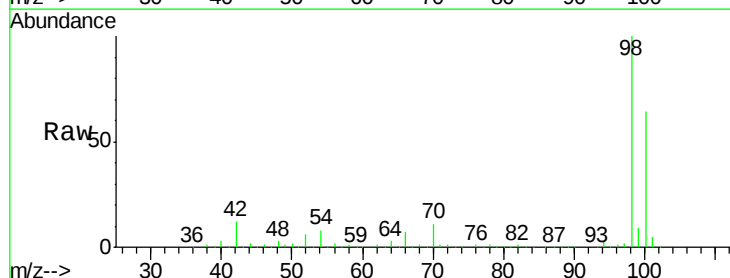
Acq: 14 Apr 2018 18:52

Tgt Ion: 98 Resp: 437377

Ion Ratio Lower Upper

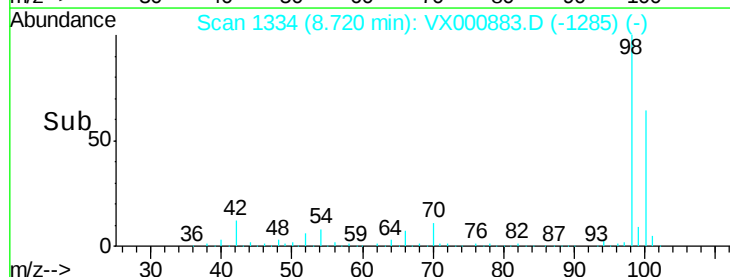
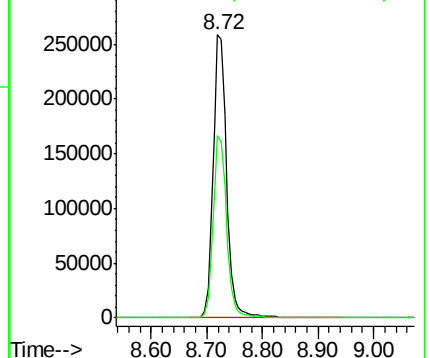
98 100

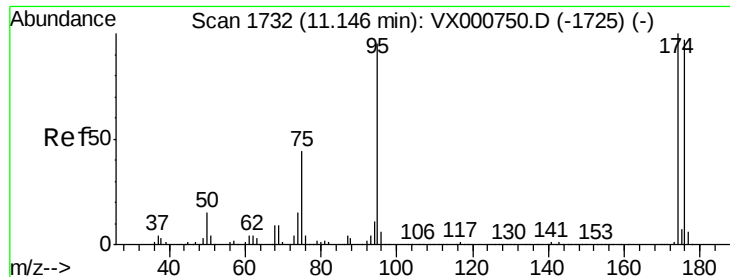
100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

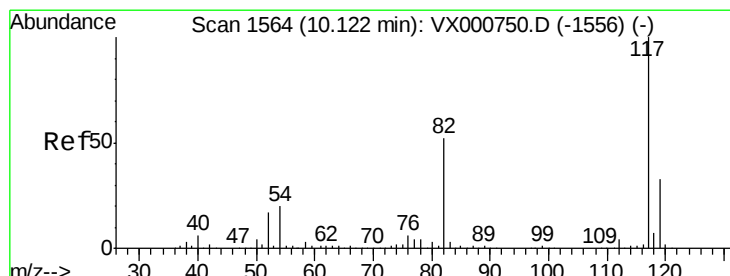
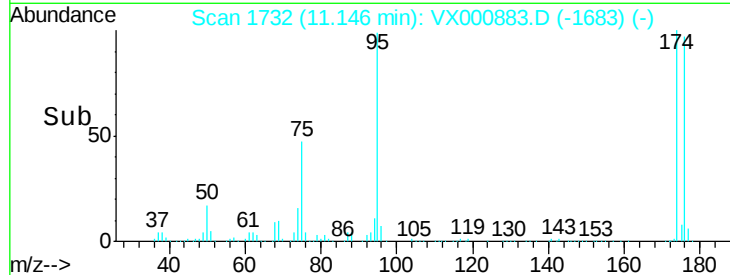
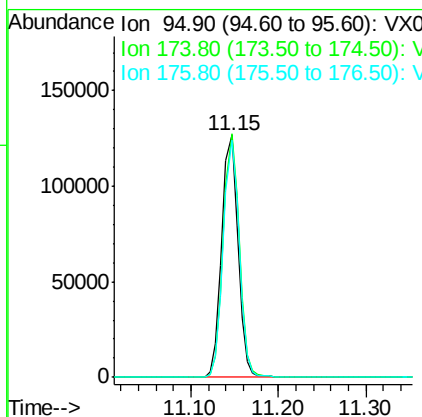
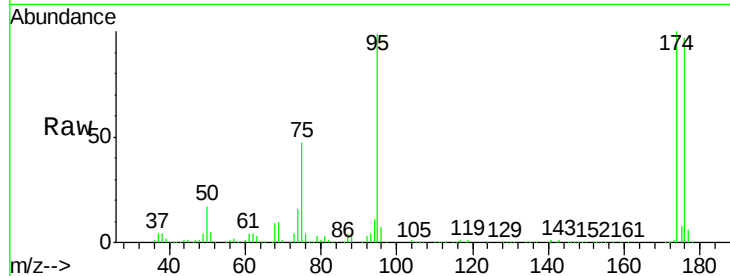




#62  
4-Bromofluorobenzene  
Concen: 43.64 ug/l  
RT: 11.15 min Scan# 1732  
Delta R.T. -0.00 min  
Lab File: VX000883.D  
Acq: 14 Apr 2018 18:52

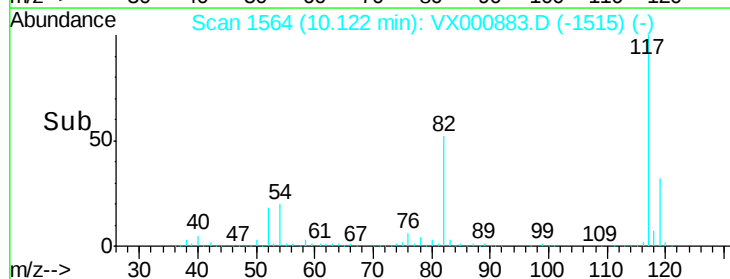
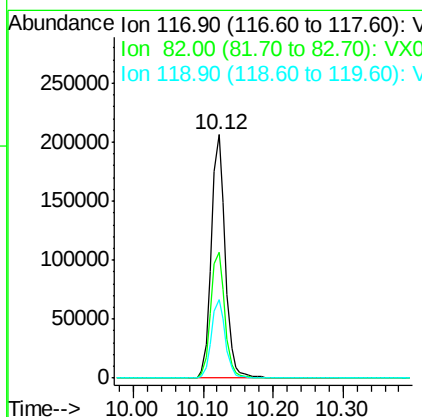
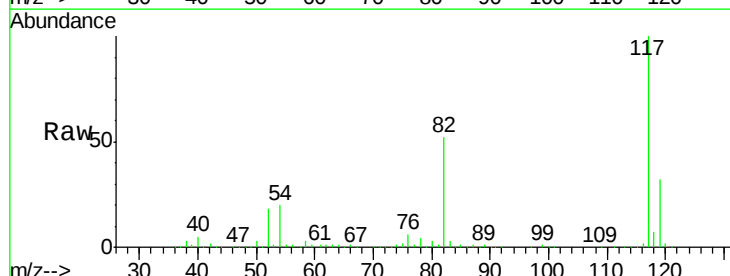
Instrument :  
MSVOA\_X  
ClientSampleId :  
LF012MW008-180410

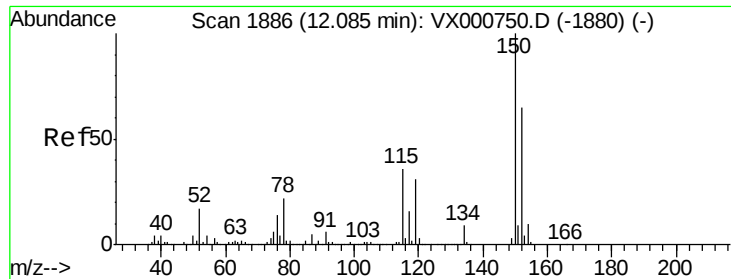
Tgt Ion: 95 Resp: 162444  
Ion Ratio Lower Upper  
95 100  
174 99.4 0.0 198.4  
176 96.2 0.0 194.4



#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. -0.00 min  
Lab File: VX000883.D  
Acq: 14 Apr 2018 18:52

Tgt Ion: 117 Resp: 284843  
Ion Ratio Lower Upper  
117 100  
82 51.9 41.9 62.9  
119 32.3 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX000883.D

Acq: 14 Apr 2018 18:52

Instrument :

MSVOA\_X

ClientSampleId :

LF012MW008-180410

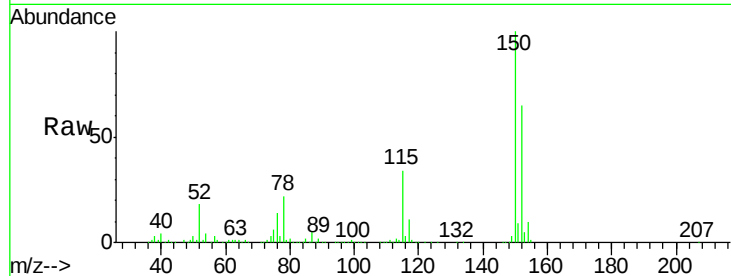
Tgt Ion:152 Resp: 180041

Ion Ratio Lower Upper

152 100

115 53.1 37.9 113.7

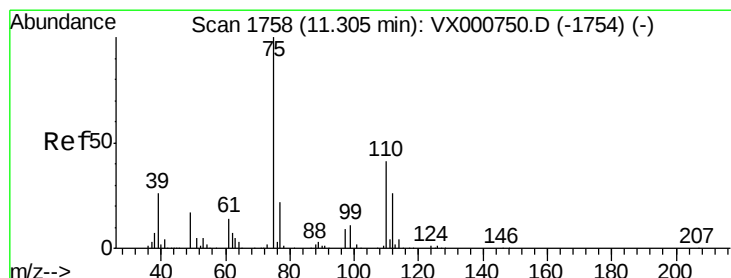
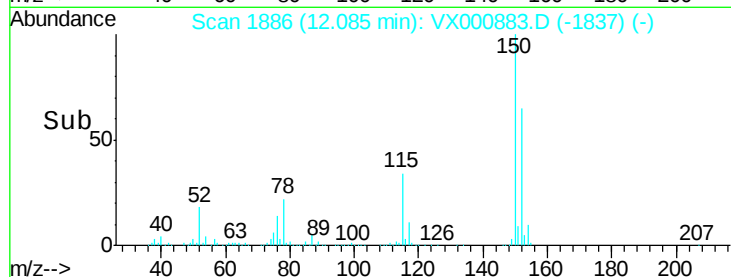
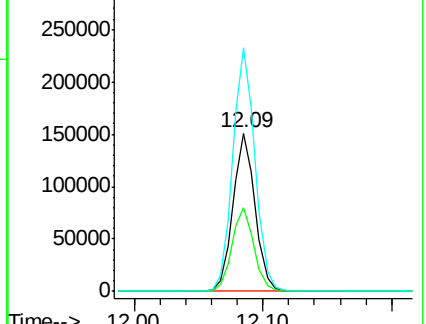
150 156.1 0.0 348.0



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



#76

1,2,3-Trichloropropane

Concen: 25.93 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000883.D

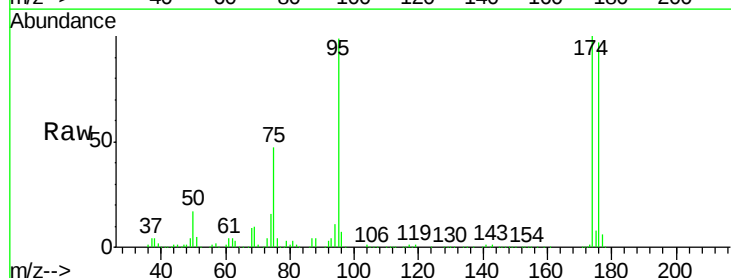
Acq: 14 Apr 2018 18:52

Tgt Ion: 75 Resp: 80508

Ion Ratio Lower Upper

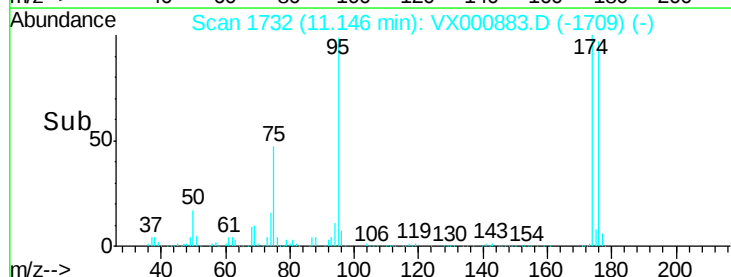
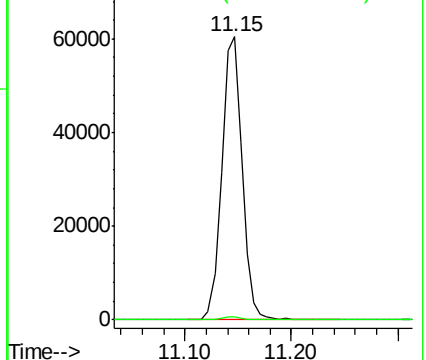
75 100

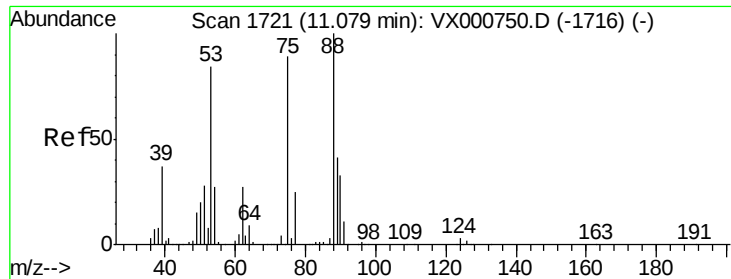
77 1.2 20.5 61.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.32 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.07 min

Lab File: VX000883.D

Acq: 14 Apr 2018 18:52

Instrument :

MSVOA\_X

ClientSampleId :

LF012MW008-180410

Tgt Ion: 75 Resp: 80508

Ion Ratio Lower Upper

75 100

53 0.0 75.4 113.0#

89 0.0 40.9 61.3#

