

Data File : VX001752.D

Acq On : 15 May 2018 18:16

Operator : JC/MD

Sample : J2796-01

Misc : 5.0mL/MSVOA\_X/WATER

ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-180507

Quant Time: May 16 04:16:07 2018

Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X051518W.M

Quant Title : SW846 8260

QLast Update : Tue May 15 01:36:22 2018

Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 241818   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 322162   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 262337   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 128212   | 50.00 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |     |          |       |         |      |
|---------------------------|--------|-----|----------|-------|---------|------|
| 33) 1,2-Dichloroethane-d4 | 6.08   | 65  | 182108   | 56.18 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 112.36% |      |
| 35) Dibromofluoromethane  | 5.51   | 113 | 149355   | 54.94 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 109.88% |      |
| 50) Toluene-d8            | 8.72   | 98  | 497318   | 51.07 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 102.14% |      |
| 62) 4-Bromofluorobenzene  | 11.15  | 95  | 150656   | 42.97 | ug/l    | 0.00 |
| Spiked Amount             | 50.000 |     | Recovery | =     | 85.94%  |      |

## Target Compounds

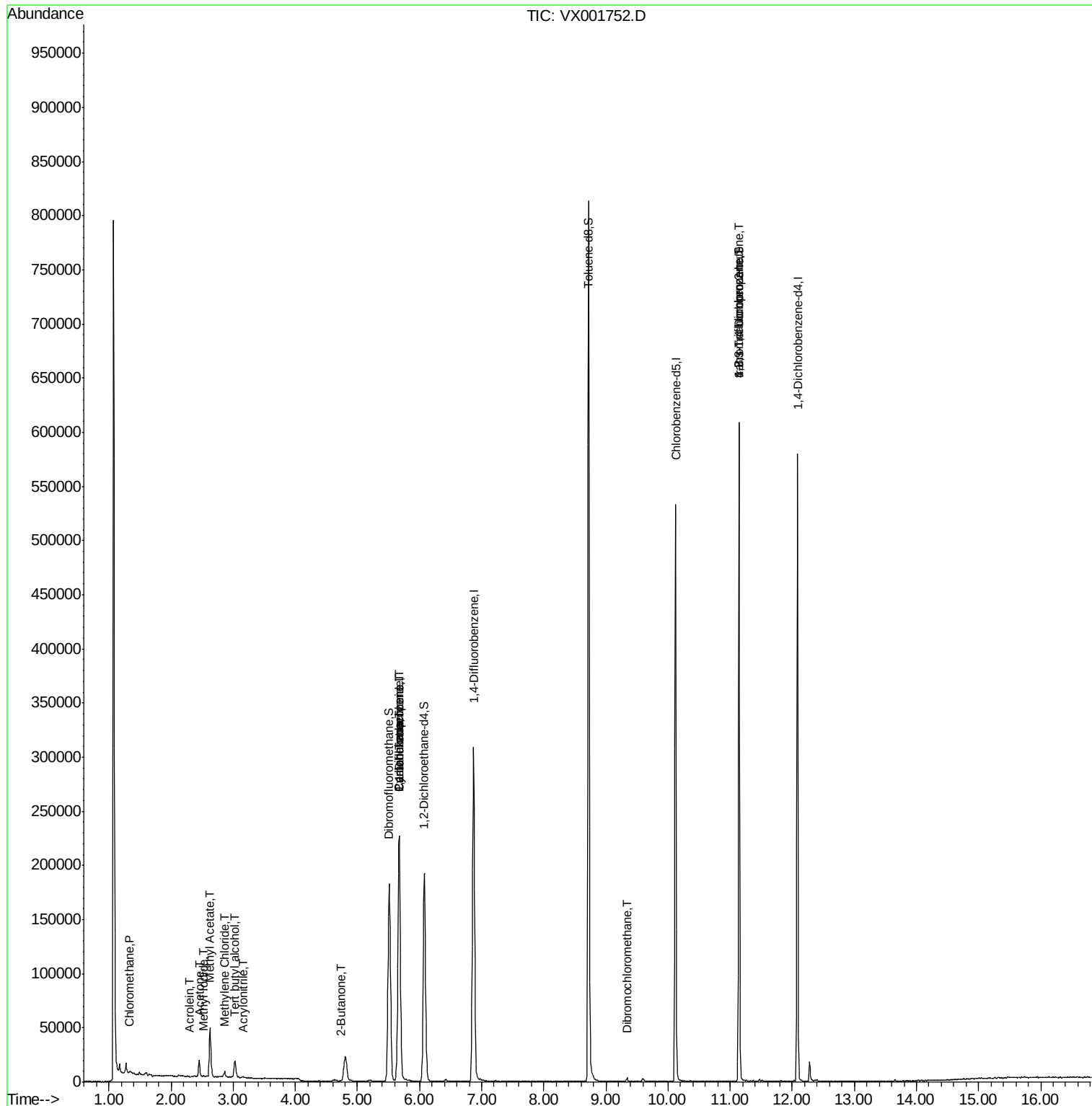
|                                |       |     |       |       |        | Qvalue |
|--------------------------------|-------|-----|-------|-------|--------|--------|
| 3) Chloromethane               | 1.32  | 50  | 574   | 0.22  | ug/l   | 100    |
| 5) Bromomethane                | 1.65  | 94  | 1377  | Below | Cal    | 92     |
| 10) Methyl Iodide              | 2.52  | 142 | 1518  | 0.67  | ug/l # | 93     |
| 11) Tert butyl alcohol         | 3.03  | 59  | 9188  | 15.97 | ug/l # | 78     |
| 13) Acrolein                   | 2.30  | 56  | 106   | 0.26  | ug/l # | 25     |
| 15) Acrylonitrile              | 3.16  | 53  | 463   | 0.32  | ug/l # | 70     |
| 16) Acetone                    | 2.45  | 43  | 16071 | 12.62 | ug/l   | 94     |
| 18) Methyl Acetate             | 2.62  | 43  | 12892 | 3.46  | ug/l # | 53     |
| 20) Methylene Chloride         | 2.86  | 84  | 2132  | 0.78  | ug/l # | 89     |
| 25) 2-Butanone                 | 4.73  | 43  | 1111  | 0.57  | ug/l # | 89     |
| 31) Cyclohexane                | 5.67  | 56  | 3955  | 0.97  | ug/l # | 1      |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 15319 | 4.13  | ug/l # | 49     |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 20373 | 5.24  | ug/l # | 16     |
| 60) Dibromochloromethane       | 9.34  | 129 | 561   | 0.20  | ug/l # | 11     |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 71667 | 29.40 | ug/l # | 39     |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 71667 | 85.12 | ug/l # | 10     |

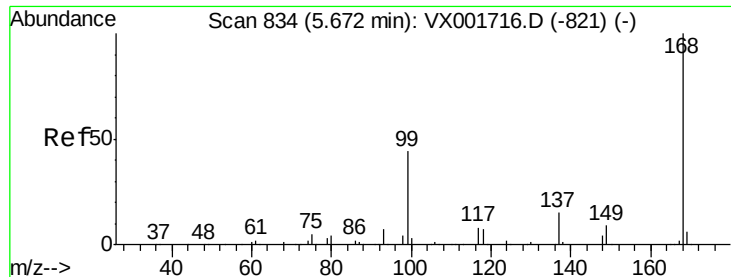
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : J2796-01  
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ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-180507

Quant Time: May 16 04:16:07 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X051518W.M  
Quant Title : SW846 8260  
QLast Update : Tue May 15 01:36:22 2018  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001752.D

Acq: 15 May 2018 18:16

Instrument :

MSVOA\_X

ClientSampleId :

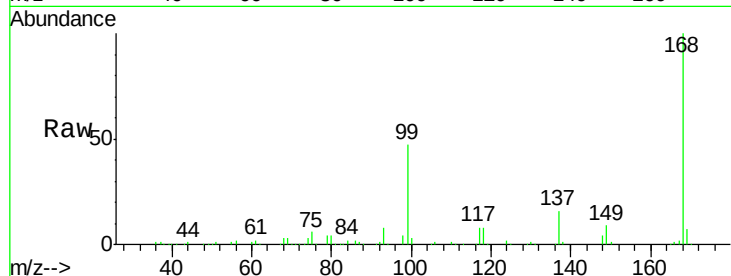
TB-01-180507

Tgt Ion: 168 Resp: 241818

Ion Ratio Lower Upper

168 100

99 46.6 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

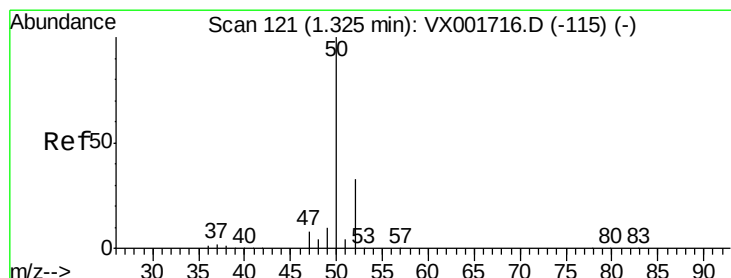
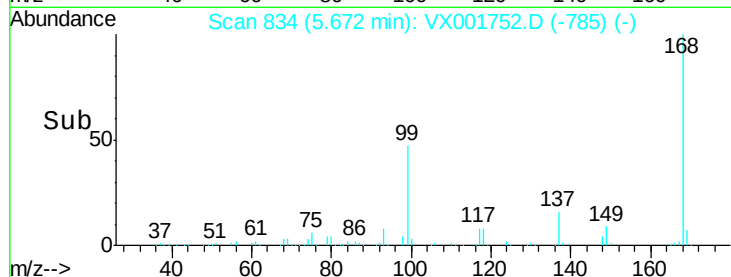
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.22 ug/l

RT: 1.32 min Scan# 121

Delta R.T. -0.00 min

Lab File: VX001752.D

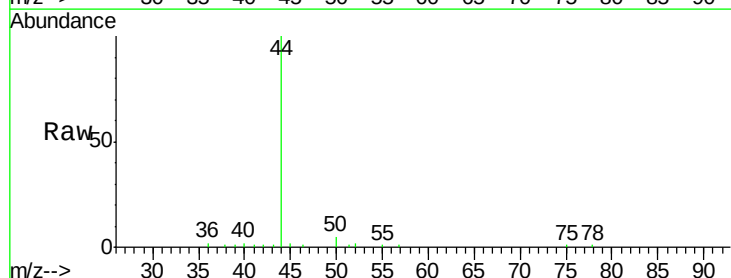
Acq: 15 May 2018 18:16

Tgt Ion: 50 Resp: 574

Ion Ratio Lower Upper

50 100

52 32.7 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

400

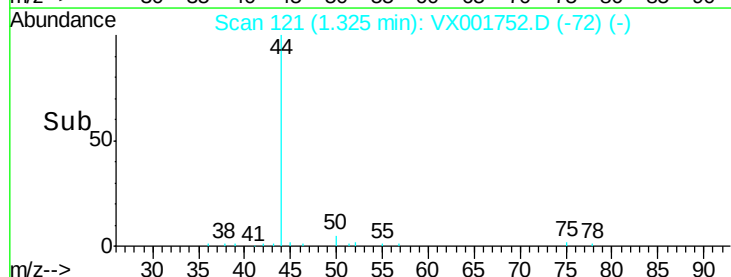
300

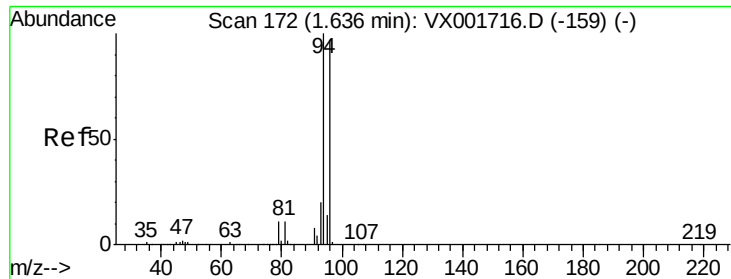
200

100

0

Time--> 1.30 1.35 1.40





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001752.D

Acq: 15 May 2018 18:16

Instrument :

MSVOA\_X

ClientSampleId :

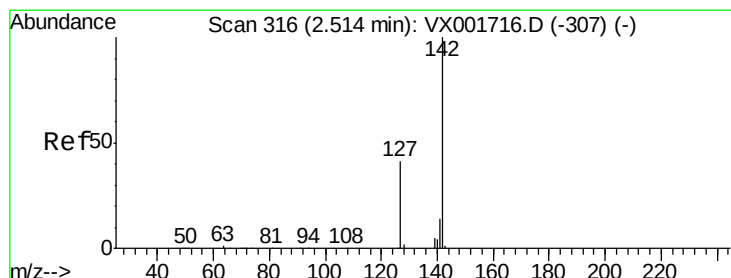
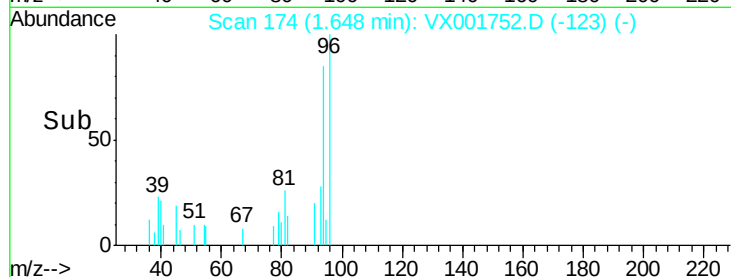
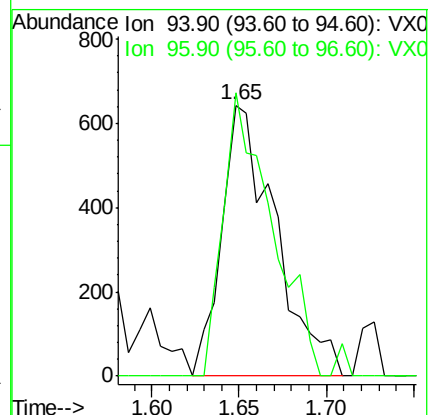
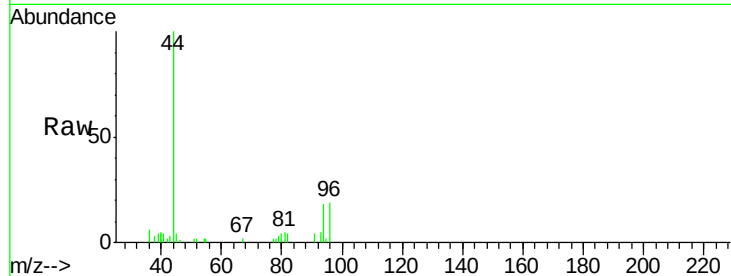
TB-01-180507

Tgt Ion: 94 Resp: 1377

Ion Ratio Lower Upper

94 100

96 104.5 77.4 116.0



#10

Methyl Iodide

Concen: 0.67 ug/l

RT: 2.52 min Scan# 317

Delta R.T. 0.01 min

Lab File: VX001752.D

Acq: 15 May 2018 18:16

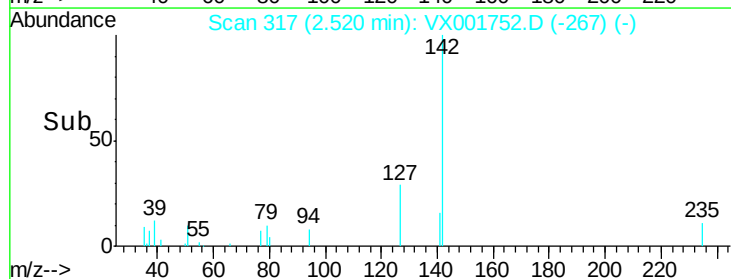
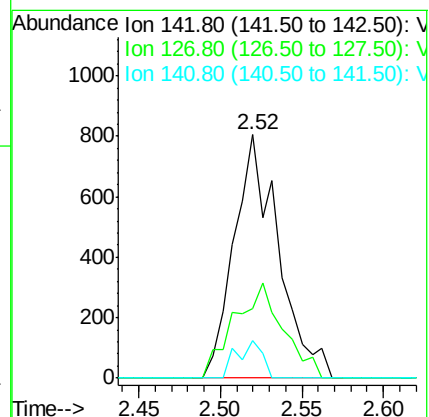
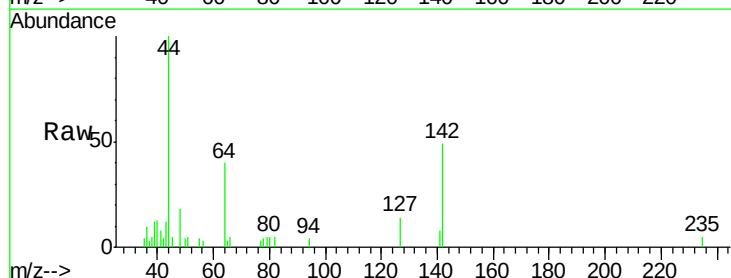
Tgt Ion: 142 Resp: 1518

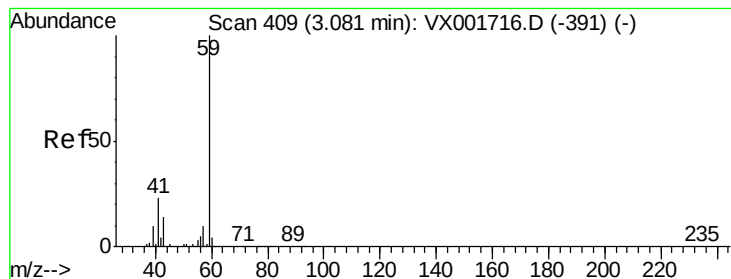
Ion Ratio Lower Upper

142 100

127 43.4 32.5 48.7

141 8.9 11.4 17.0#





#11

Tert butyl alcohol

Concen: 15.97 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001752.D

Acq: 15 May 2018 18:16

Instrument :

MSVOA\_X

ClientSampleId :

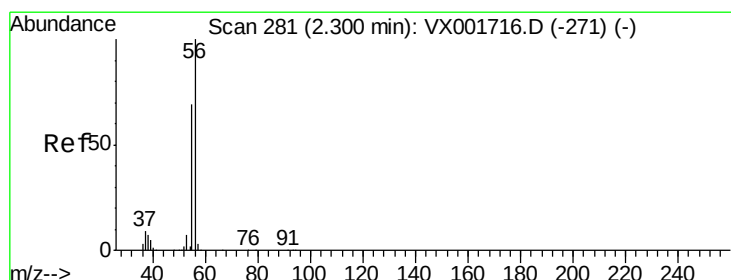
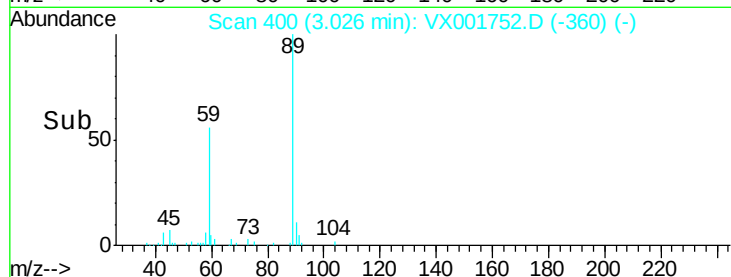
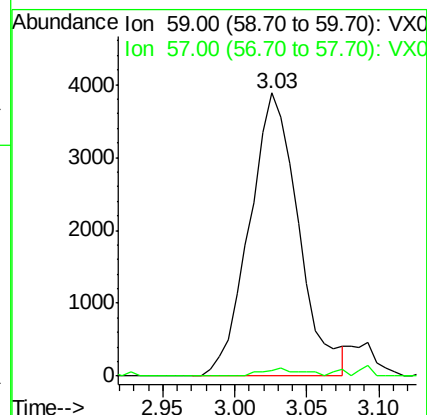
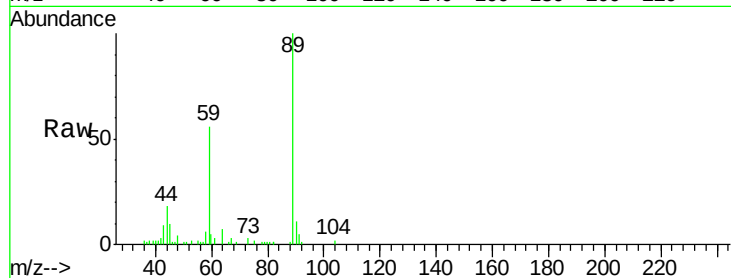
TB-01-180507

Tgt Ion: 59 Resp: 9188

Ion Ratio Lower Upper

59 100

57 2.2 8.5 12.7#



#13

Acrolein

Concen: 0.26 ug/l

RT: 2.30 min Scan# 281

Delta R.T. -0.00 min

Lab File: VX001752.D

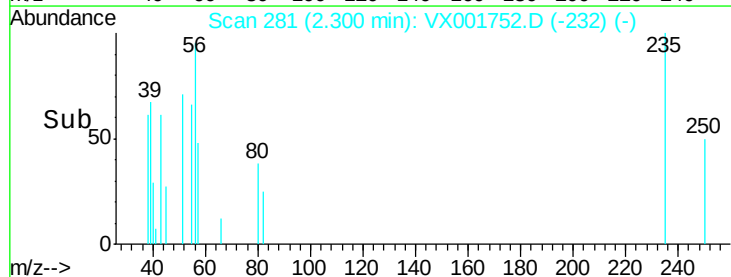
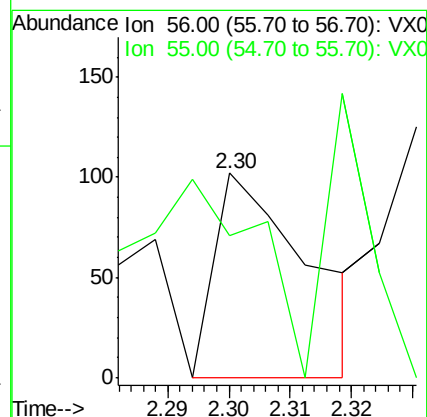
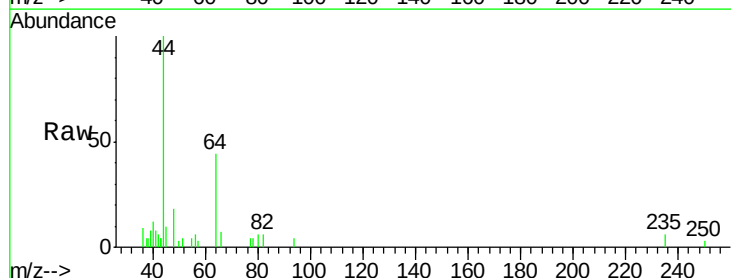
Acq: 15 May 2018 18:16

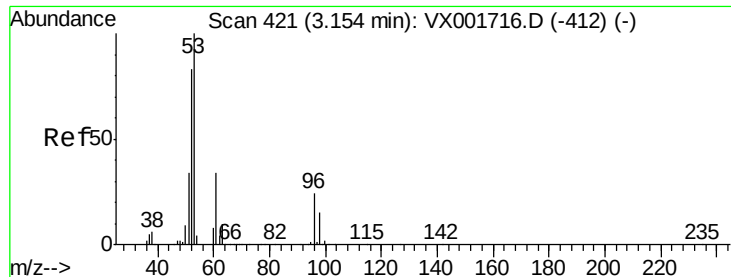
Tgt Ion: 56 Resp: 106

Ion Ratio Lower Upper

56 100

55 132.1 56.2 84.2#





#15

Acrylonitrile

Concen: 0.32 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001752.D

Acq: 15 May 2018 18:16

Instrument :

MSVOA\_X

ClientSampled :

TB-01-180507

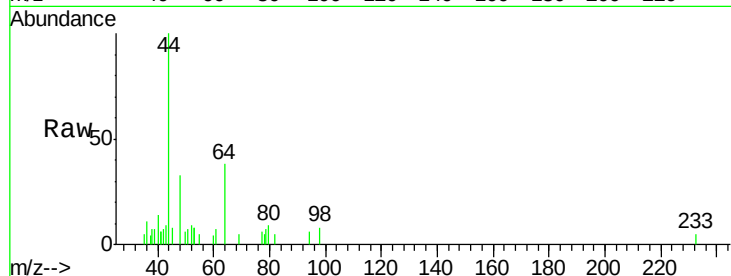
Tgt Ion: 53 Resp: 463

Ion Ratio Lower Upper

53 100

52 66.3 65.6 98.4

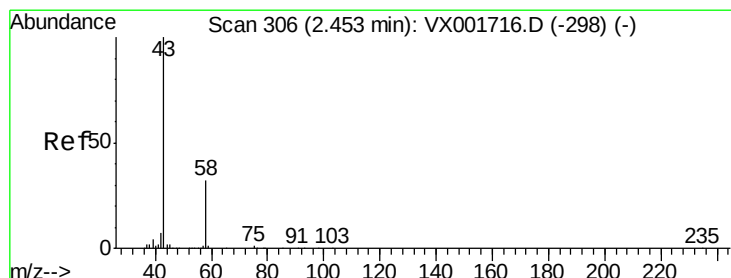
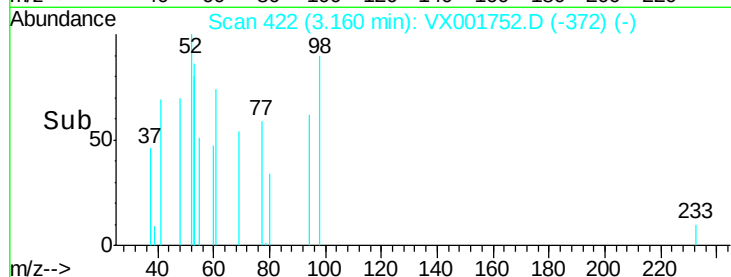
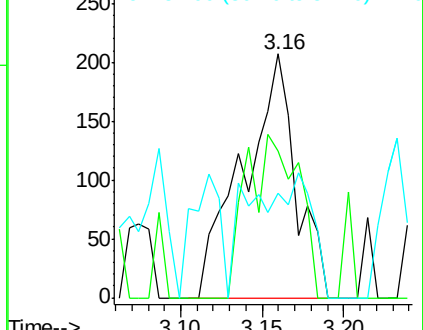
51 0.0 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 12.62 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001752.D

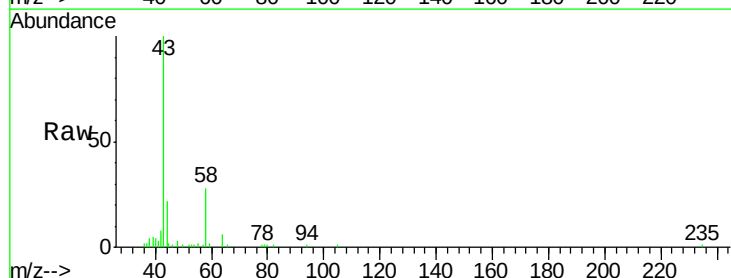
Acq: 15 May 2018 18:16

Tgt Ion: 43 Resp: 16071

Ion Ratio Lower Upper

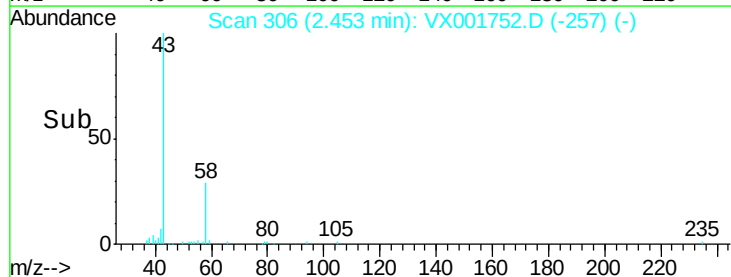
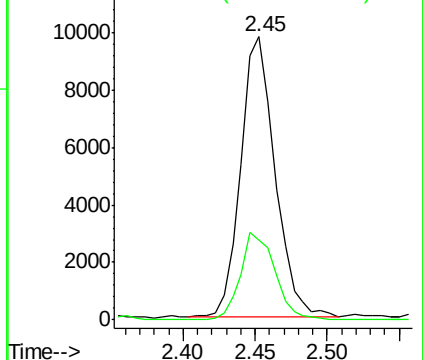
43 100

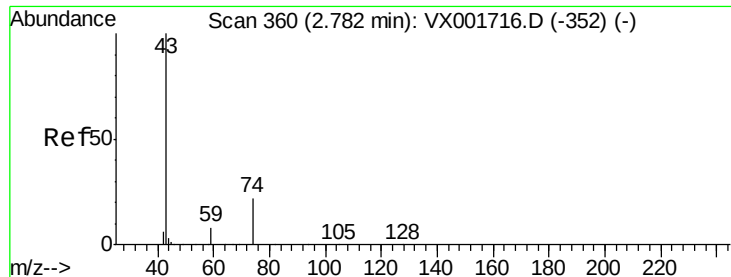
58 28.5 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

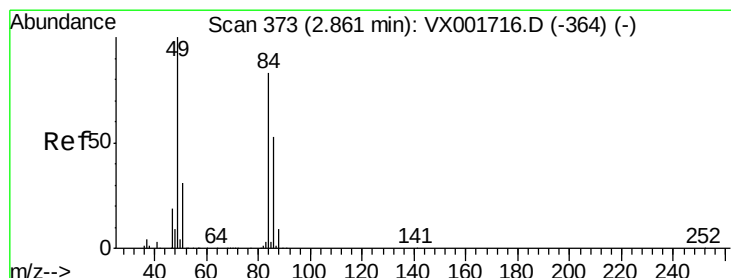
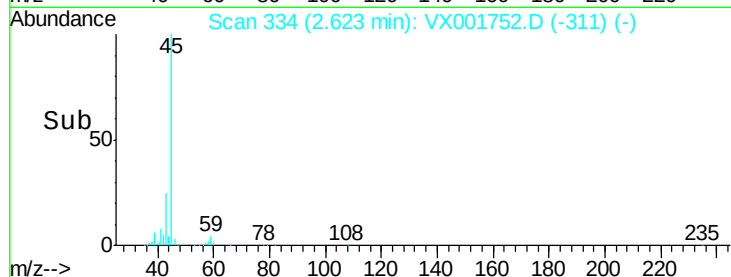
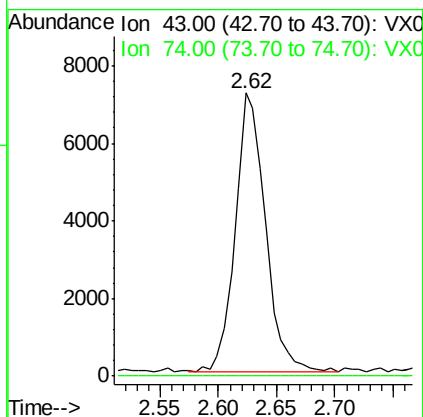
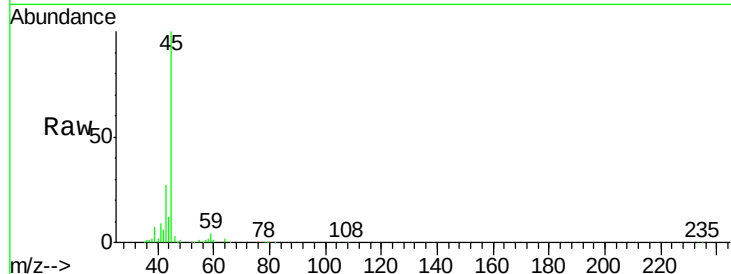




#18  
Methyl Acetate  
Concen: 3.46 ug/l  
RT: 2.62 min Scan# 334  
Delta R.T. -0.16 min  
Lab File: VX001752.D  
Acq: 15 May 2018 18:16

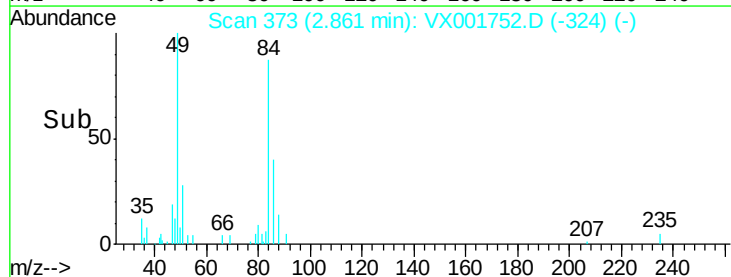
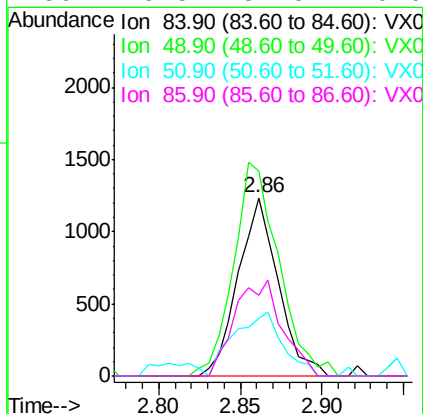
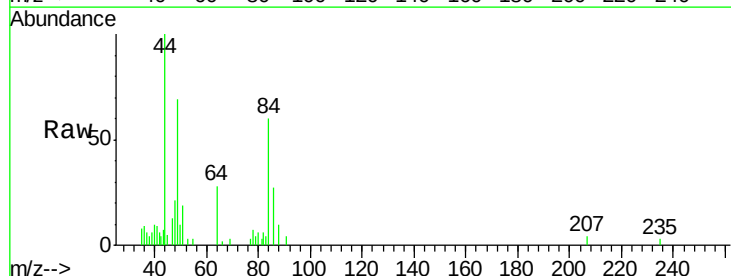
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-180507

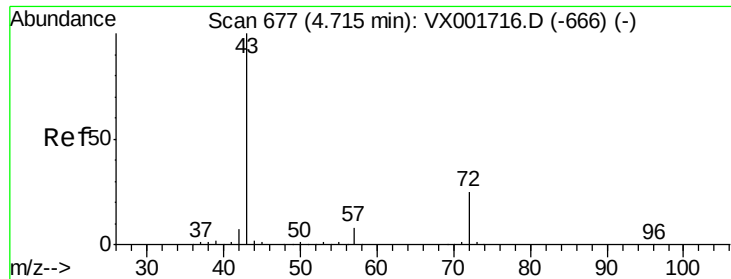
Tgt Ion: 43 Resp: 12892  
Ion Ratio Lower Upper  
43 100  
74 0.0 18.2 27.2#



#20  
Methylene Chloride  
Concen: 0.78 ug/l  
RT: 2.86 min Scan# 373  
Delta R.T. -0.00 min  
Lab File: VX001752.D  
Acq: 15 May 2018 18:16

Tgt Ion: 84 Resp: 2132  
Ion Ratio Lower Upper  
84 100  
49 114.9 96.3 144.5  
51 32.3 29.8 44.6  
86 45.5 51.0 76.6#





#25

2-Butanone

Concen: 0.57 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX001752.D

Acq: 15 May 2018 18:16

Instrument :

MSVOA\_X

ClientSampleId :

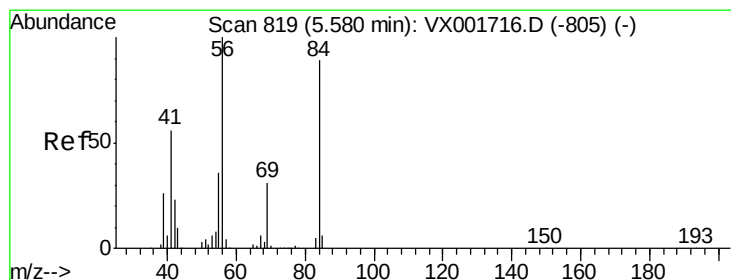
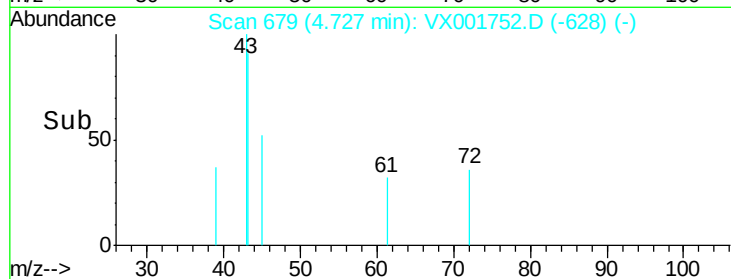
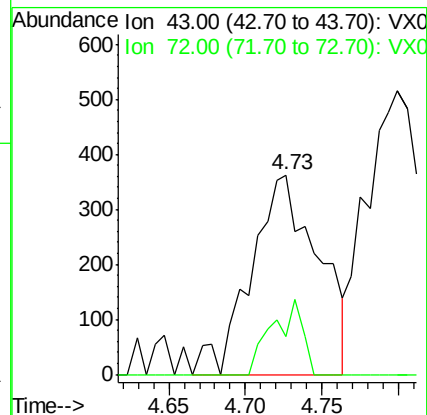
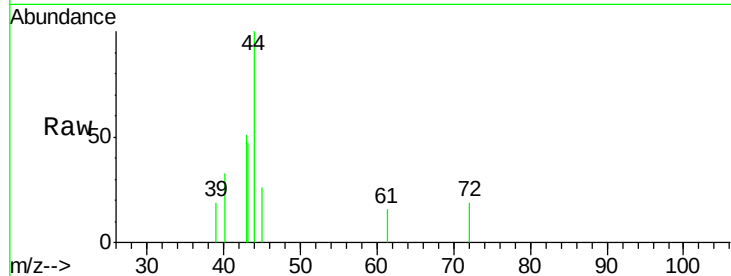
TB-01-180507

Tgt Ion: 43 Resp: 1111

Ion Ratio Lower Upper

43 100

72 19.0 19.8 29.6#



#31

Cyclohexane

Concen: 0.97 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001752.D

Acq: 15 May 2018 18:16

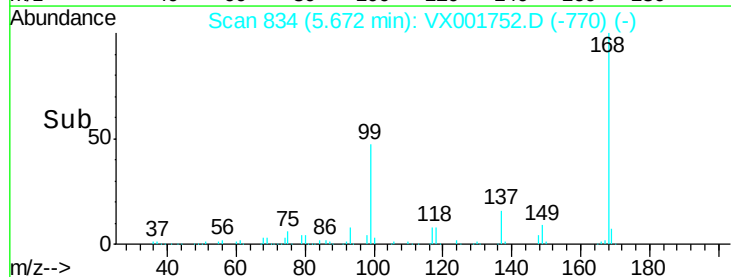
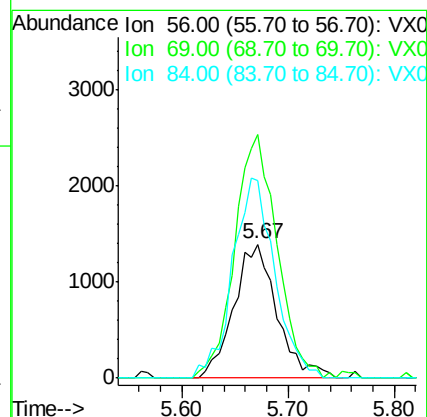
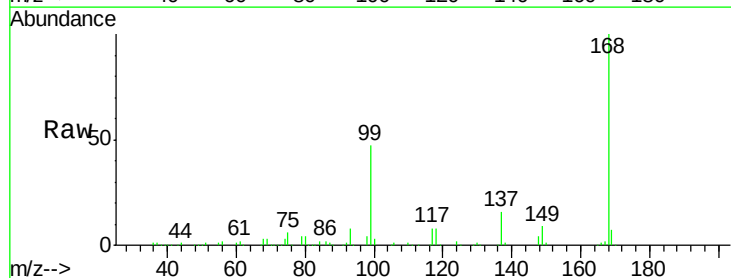
Tgt Ion: 56 Resp: 3955

Ion Ratio Lower Upper

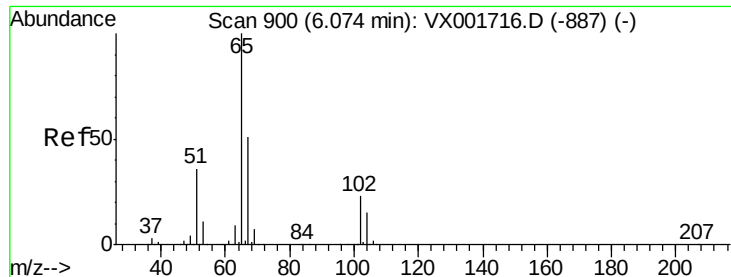
56 100

69 182.3 25.0 37.6#

84 147.6 71.0 106.4#



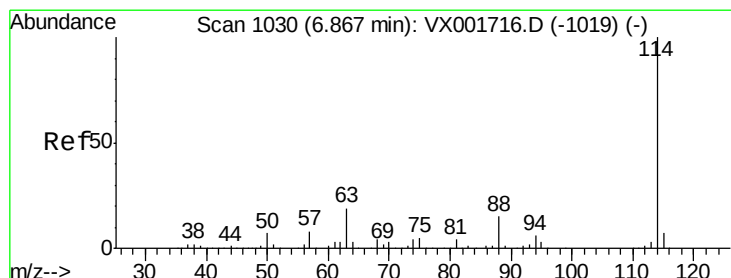
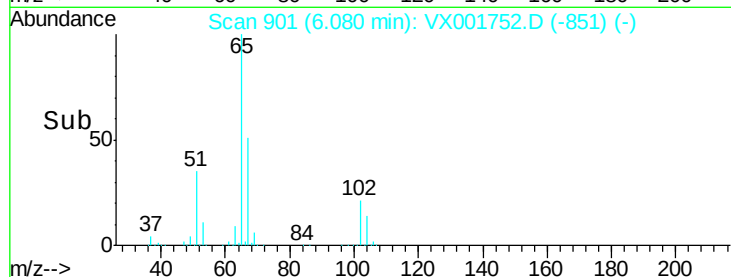
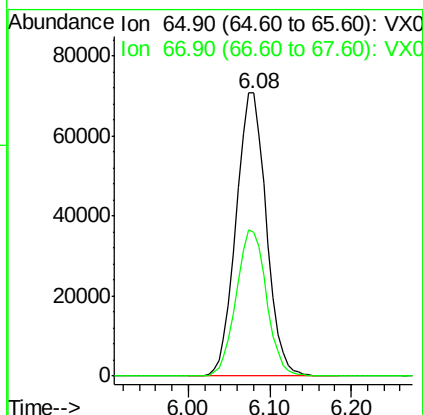
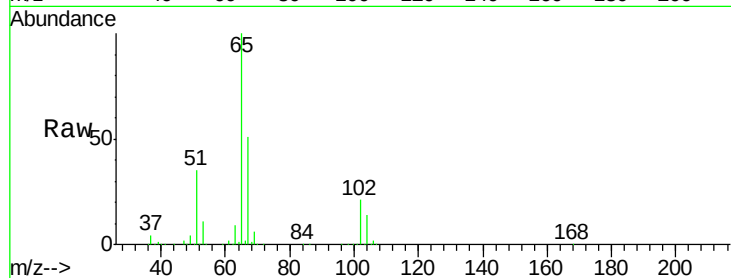




#33  
 1,2-Dichloroethane-d4  
 Concen: 56.18 ug/l  
 RT: 6.08 min Scan# 901  
 Delta R.T. 0.01 min  
 Lab File: VX001752.D  
 Acq: 15 May 2018 18:16

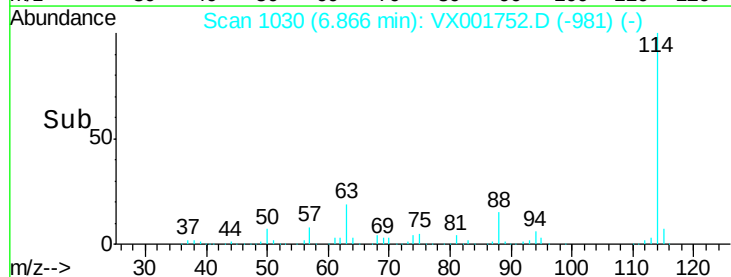
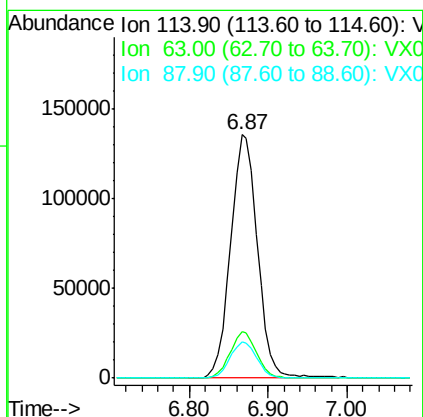
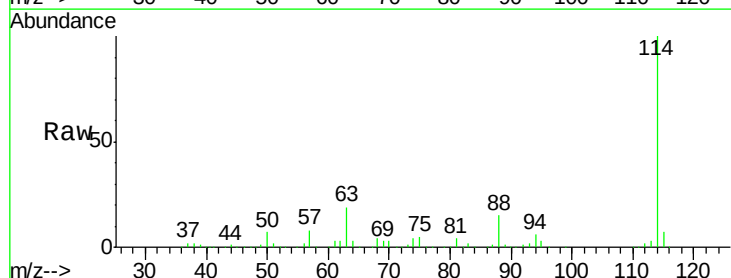
Instrument :  
 MSVOA\_X  
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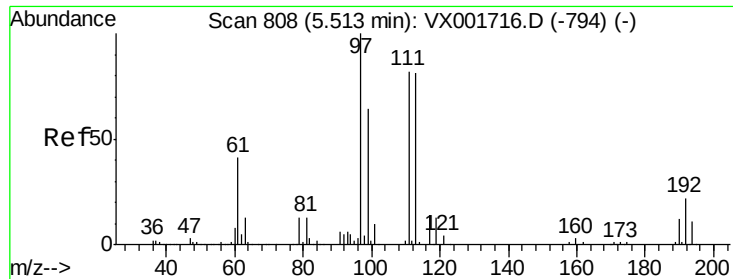
Tgt Ion: 65 Resp: 182108  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 102.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.00 ug/l  
 RT: 6.87 min Scan# 1030  
 Delta R.T. -0.00 min  
 Lab File: VX001752.D  
 Acq: 15 May 2018 18:16

Tgt Ion: 114 Resp: 322162  
 Ion Ratio Lower Upper  
 114 100  
 63 19.3 0.0 37.0  
 88 15.0 0.0 29.8

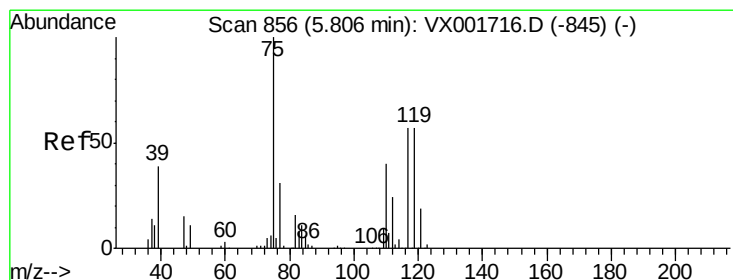
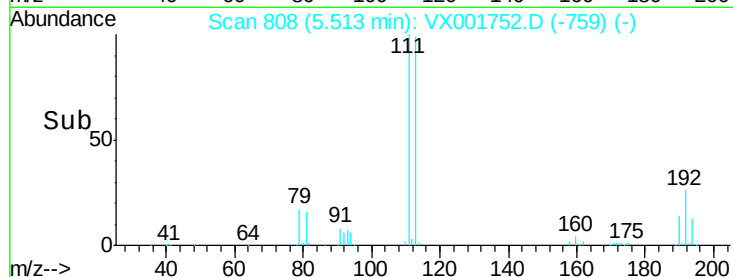
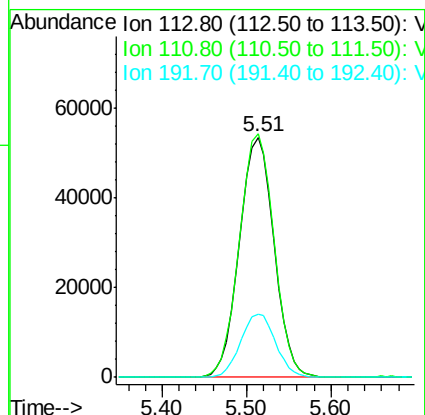
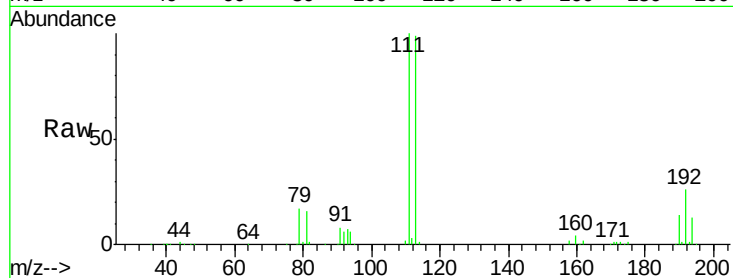




#35  
 Dibromofluoromethane  
 Concen: 54.94 ug/l  
 RT: 5.51 min Scan# 808  
 Delta R.T. -0.00 min  
 Lab File: VX001752.D  
 Acq: 15 May 2018 18:16

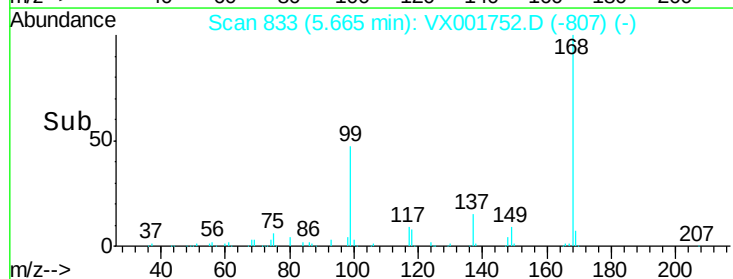
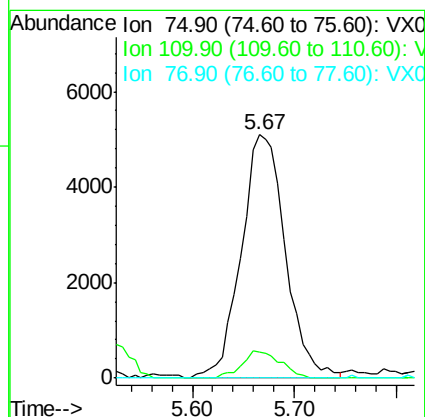
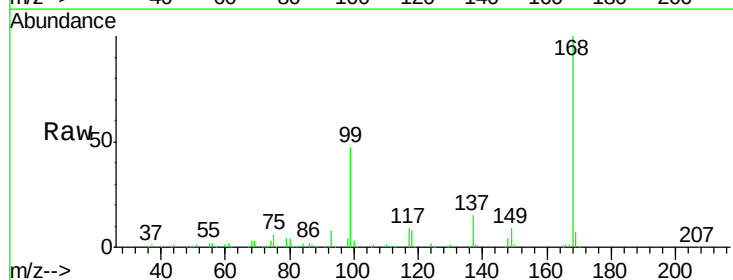
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-01-180507

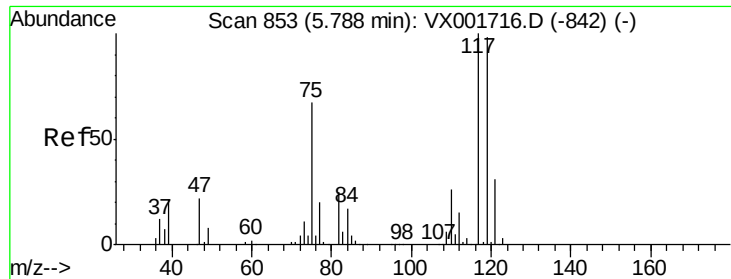
Tgt Ion:113 Resp: 149355  
 Ion Ratio Lower Upper  
 113 100  
 111 101.5 82.0 123.0  
 192 26.6 21.6 32.4



#36  
 1,1-Dichloropropene  
 Concen: 4.13 ug/l  
 RT: 5.67 min Scan# 833  
 Delta R.T. -0.14 min  
 Lab File: VX001752.D  
 Acq: 15 May 2018 18:16

Tgt Ion: 75 Resp: 15319  
 Ion Ratio Lower Upper  
 75 100  
 110 9.7 19.1 57.1#  
 77 0.0 24.6 37.0#

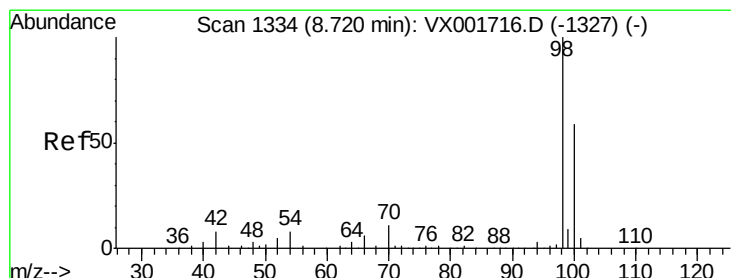
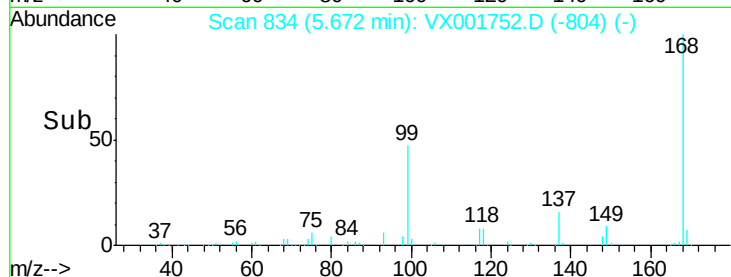
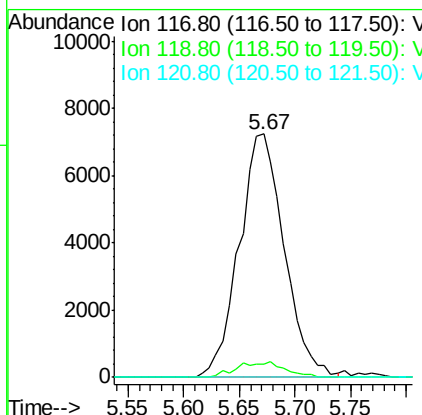
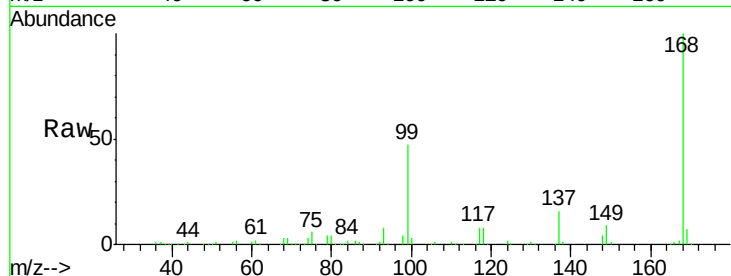




#38  
Carbon Tetrachloride  
Concen: 5.24 ug/l  
RT: 5.67 min Scan# 834  
Delta R.T. -0.12 min  
Lab File: VX001752.D  
Acq: 15 May 2018 18:16

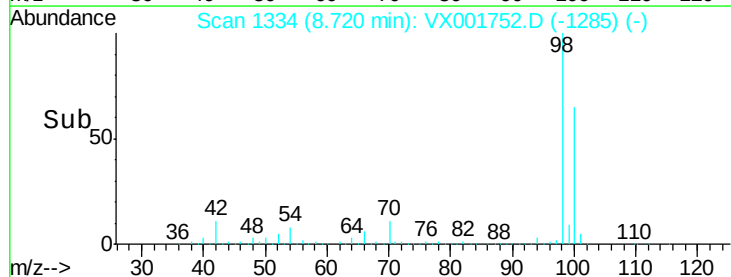
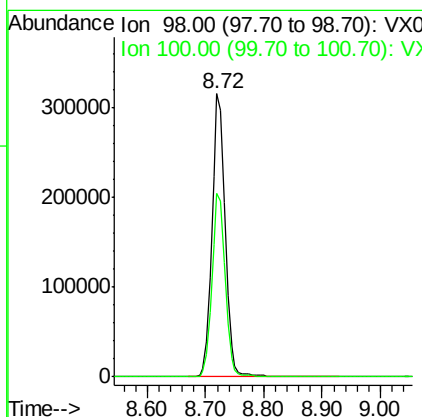
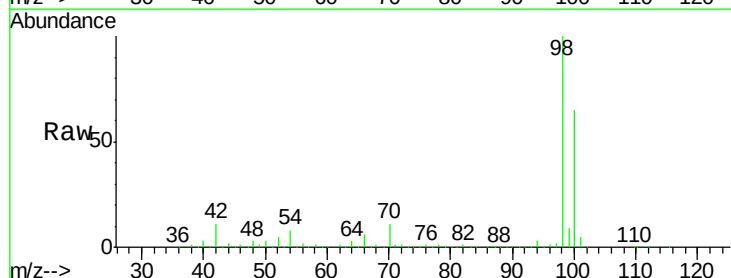
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-180507

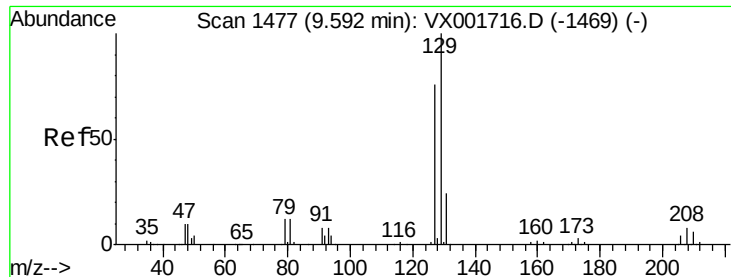
Tgt Ion: 117 Resp: 20373  
Ion Ratio Lower Upper  
117 100  
119 5.4 77.6 116.4#  
121 0.0 24.6 36.8#



#50  
Toluene-d8  
Concen: 51.07 ug/l  
RT: 8.72 min Scan# 1334  
Delta R.T. -0.00 min  
Lab File: VX001752.D  
Acq: 15 May 2018 18:16

Tgt Ion: 98 Resp: 497318  
Ion Ratio Lower Upper  
98 100  
100 65.3 54.0 81.0





#60

Dibromochloromethane

Concen: 0.20 ug/l

RT: 9.34 min Scan# 1436

Delta R.T. -0.25 min

Lab File: VX001752.D

Acq: 15 May 2018 18:16

Instrument :

MSVOA\_X

ClientSampleId :

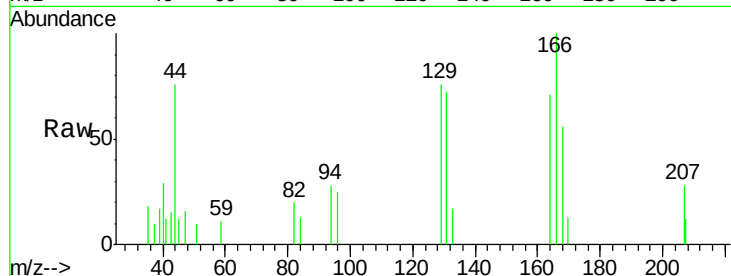
TB-01-180507

Tgt Ion:129 Resp: 561

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

9.34

400

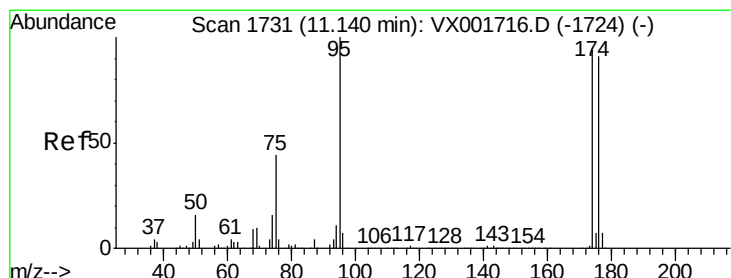
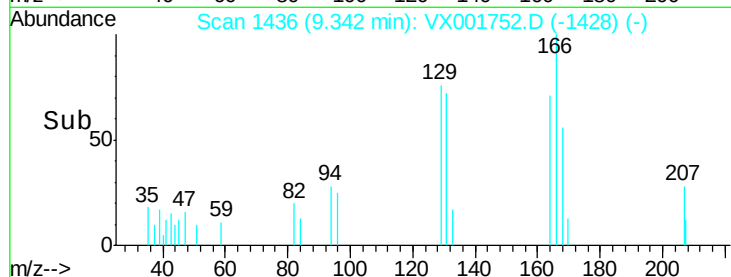
300

200

100

0

Time-->



#62

4-Bromofluorobenzene

Concen: 42.97 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.01 min

Lab File: VX001752.D

Acq: 15 May 2018 18:16

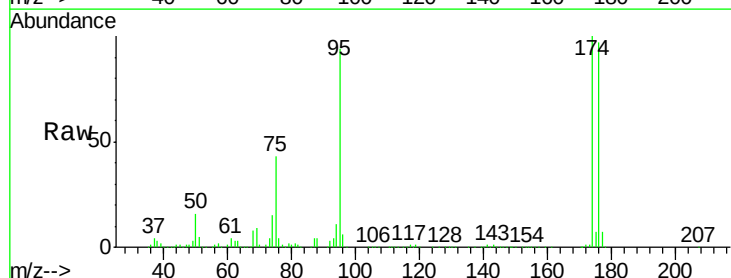
Tgt Ion: 95 Resp: 150656

Ion Ratio Lower Upper

95 100

174 102.3 0.0 201.8

176 98.6 0.0 196.8



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

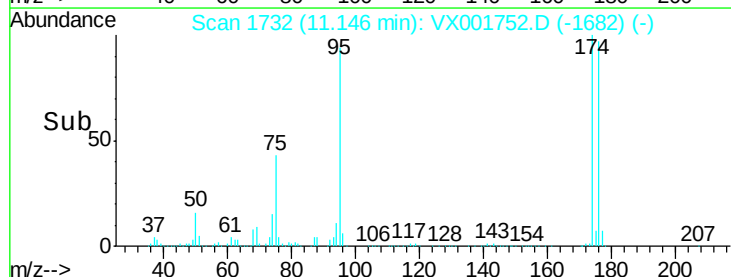
150000

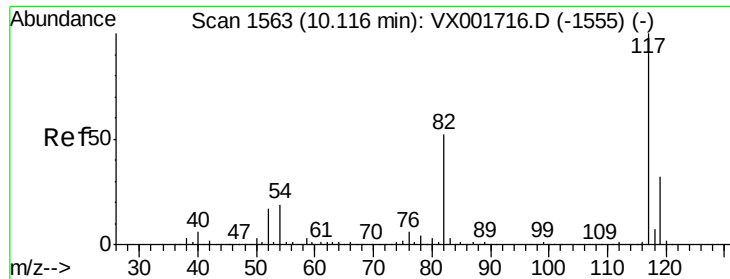
100000

50000

0

Time-->

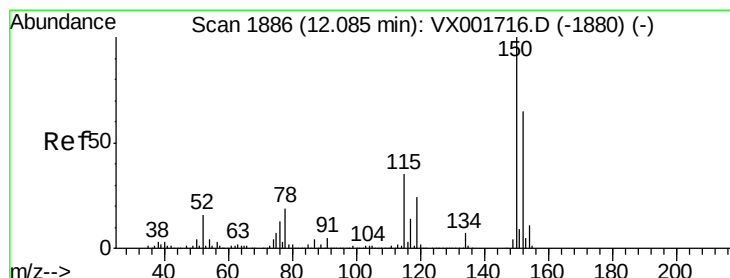
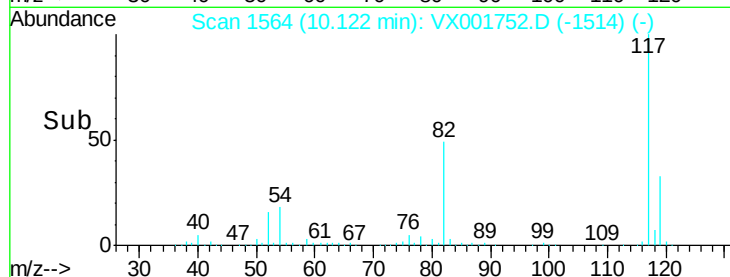
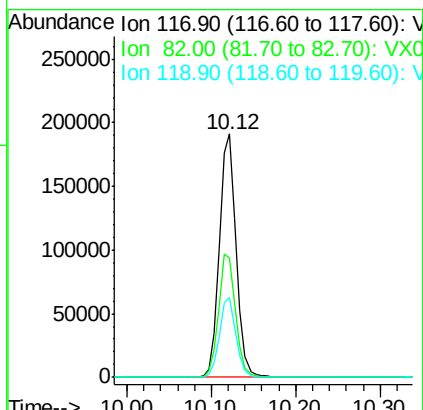
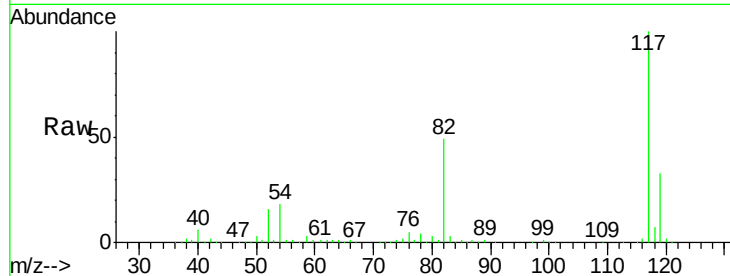




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1564  
Delta R.T. 0.01 min  
Lab File: VX001752.D  
Acq: 15 May 2018 18:16

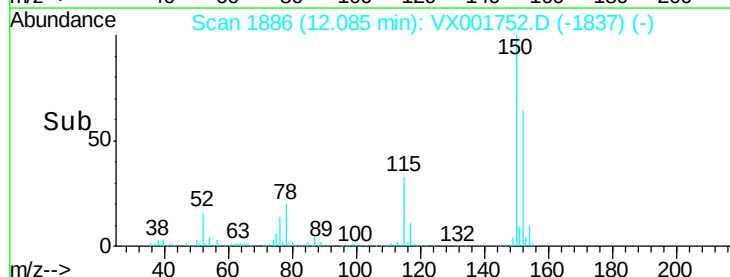
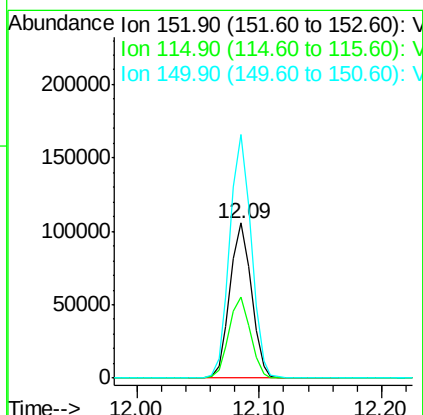
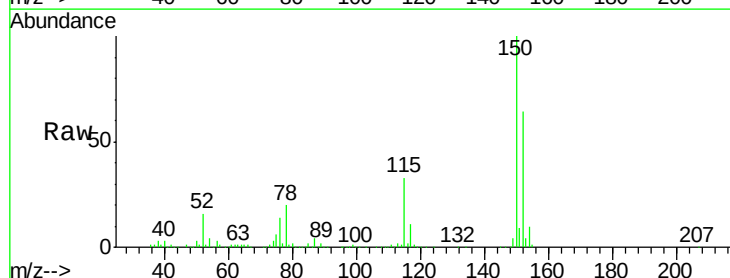
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-180507

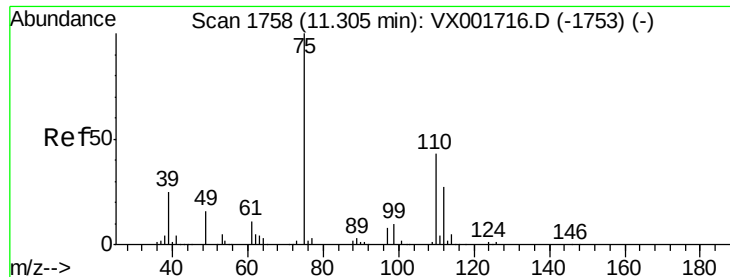
Tgt Ion:117 Resp: 262337  
Ion Ratio Lower Upper  
117 100  
82 49.2 41.4 62.2  
119 32.5 25.6 38.4



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. -0.00 min  
Lab File: VX001752.D  
Acq: 15 May 2018 18:16

Tgt Ion:152 Resp: 128212  
Ion Ratio Lower Upper  
152 100  
115 52.0 37.4 112.2  
150 156.9 0.0 344.8

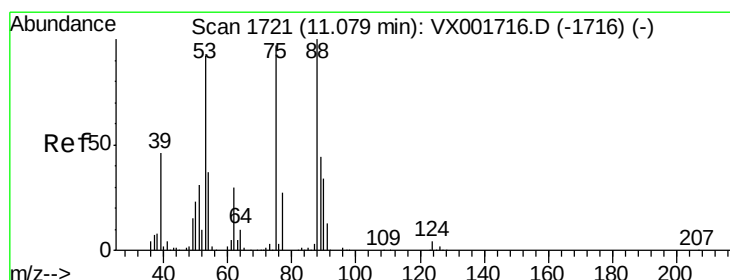
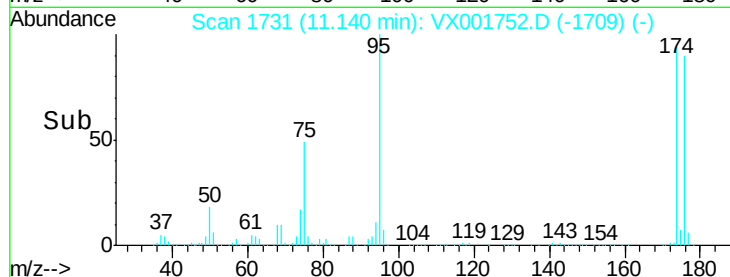
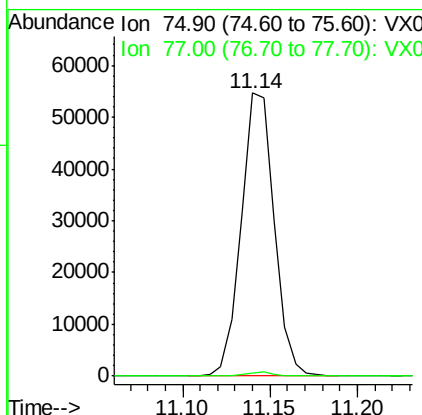
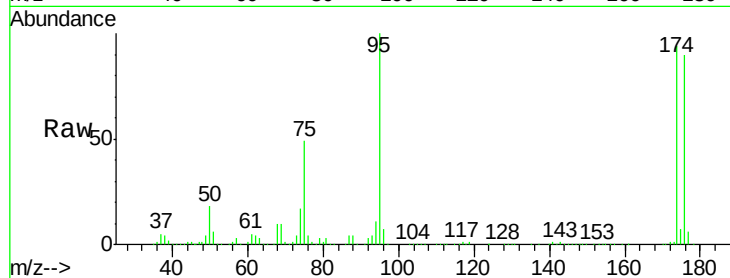




#76  
 1,2,3-Trichloropropane  
 Concen: 29.40 ug/l  
 RT: 11.14 min Scan# 1731  
 Delta R.T. -0.16 min  
 Lab File: VX001752.D  
 Acq: 15 May 2018 18:16

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-01-180507

Tgt Ion: 75 Resp: 71667  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 18.9 56.7#



#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 85.12 ug/l  
 RT: 11.14 min Scan# 1731  
 Delta R.T. 0.06 min  
 Lab File: VX001752.D  
 Acq: 15 May 2018 18:16

Tgt Ion: 75 Resp: 71667  
 Ion Ratio Lower Upper  
 75 100  
 53 0.2 79.4 119.2#  
 89 0.1 38.8 58.2#

