

Data File : VX001305.D  
Acq On : 02 May 2018 04:20  
Operator : JC/MD  
Sample : PB108752TBZHE#16  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB108752TBZHE#16

Quant Time: May 02 06:06:10 2018  
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050118W.M  
Quant Title : SW846 8260  
QLast Update : Wed May 02 01:48:25 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) Pentafluorobenzene      | 5.67  | 168  | 175456   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.87  | 114  | 233894   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.12 | 117  | 210744   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.09 | 152  | 119227   | 50.00 | ug/l  | 0.00     |

|                             |        |     |          |       |        |      |
|-----------------------------|--------|-----|----------|-------|--------|------|
| System Monitoring Compounds |        |     |          |       |        |      |
| 33) 1,2-Dichloroethane-d4   | 6.07   | 65  | 108445   | 44.65 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 89.30% |      |
| 35) Dibromofluoromethane    | 5.51   | 113 | 88412    | 43.88 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 87.76% |      |
| 50) Toluene-d8              | 8.72   | 98  | 326864   | 45.40 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 90.80% |      |
| 62) 4-Bromofluorobenzene    | 11.14  | 95  | 107080   | 37.19 | ug/l   | 0.00 |
| Spiked Amount               | 50.000 |     | Recovery | =     | 74.38% |      |

|                                |       |     |       |              |  |     |
|--------------------------------|-------|-----|-------|--------------|--|-----|
| Target Compounds               |       |     |       | Qvalue       |  |     |
| 5) Bromomethane                | 1.65  | 94  | 466   | Below Cal    |  | 99  |
| 10) Methyl Iodide              | 2.53  | 142 | 439   | 4.52 ug/l #  |  | 84  |
| 11) Tert butyl alcohol         | 3.03  | 59  | 604   | 1.45 ug/l    |  | 100 |
| 13) Acrolein                   | 2.29  | 56  | 50    | 0.21 ug/l #  |  | 1   |
| 16) Acetone                    | 2.45  | 43  | 8538  | 8.24 ug/l    |  | 95  |
| 18) Methyl Acetate             | 2.78  | 43  | 17435 | 7.12 ug/l    |  | 99  |
| 25) 2-Butanone                 | 4.71  | 43  | 1825  | 1.30 ug/l #  |  | 71  |
| 29) Tetrahydrofuran            | 5.17  | 42  | 213   | 0.25 ug/l #  |  | 33  |
| 31) Cyclohexane                | 5.67  | 56  | 2940  | 0.99 ug/l #  |  | 1   |
| 36) 1,1-Dichloropropene        | 5.67  | 75  | 10695 | 3.96 ug/l #  |  | 41  |
| 38) Carbon Tetrachloride       | 5.67  | 117 | 14755 | 5.22 ug/l #  |  | 17  |
| 51) 4-Methyl-2-Pentanone       | 8.66  | 43  | 664   | 0.23 ug/l #  |  | 67  |
| 76) 1,2,3-Trichloropropane     | 11.14 | 75  | 55643 | 25.24 ug/l # |  | 39  |
| 81) trans-1,4-Dichloro-2-buten | 11.14 | 75  | 55643 | 79.36 ug/l # |  | 6   |

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

Data File : VX001305.D

Acq On : 02 May 2018 04:20

Operator : JC/MD

Sample : PB108752TBZHE#16

Misc : 5.0mL/MSVOA\_X/WATER

ALS Vial : 38 Sample Multiplier: 1

Instrument :

MSVOA\_X

ClientSampleId :

PB108752TBZHE#16

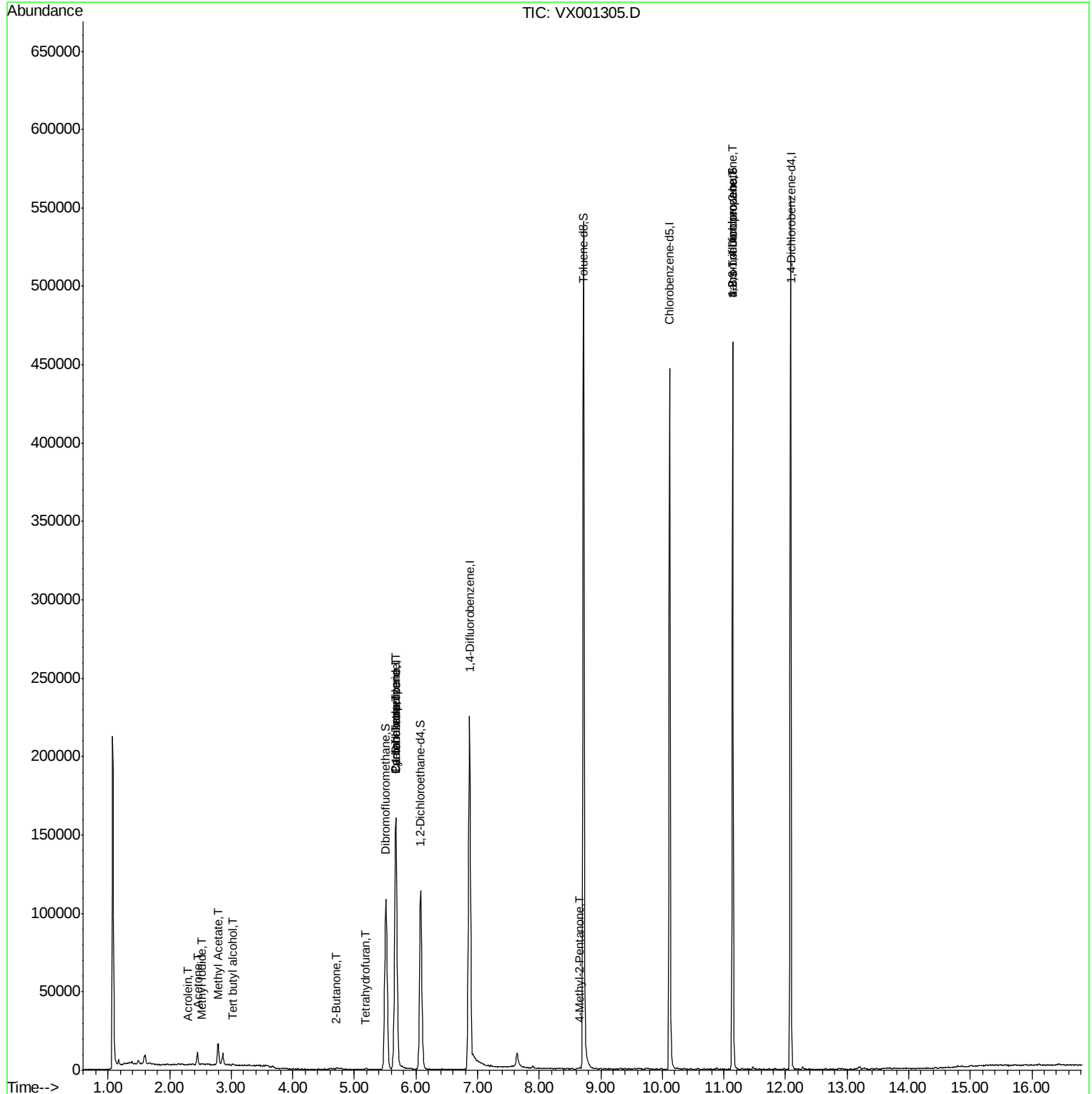
Quant Time: May 02 06:06:10 2018

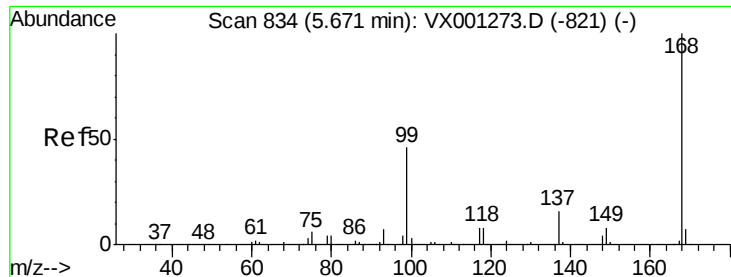
Quant Method : W:\HPCHEM1\MSVOA\_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 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: VX001305.D

Acq: 02 May 2018 04:20

Instrument :

MSVOA\_X

ClientSampleId :

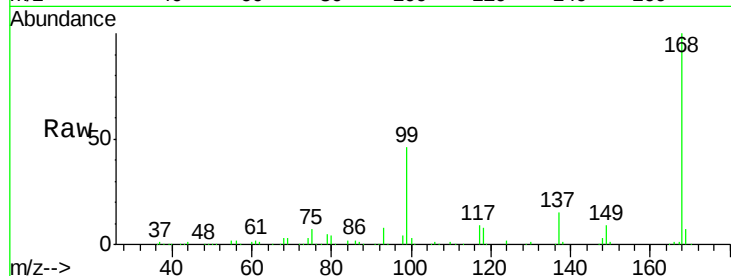
PB108752TBZHE#16

Tgt Ion:168 Resp: 175456

Ion Ratio Lower Upper

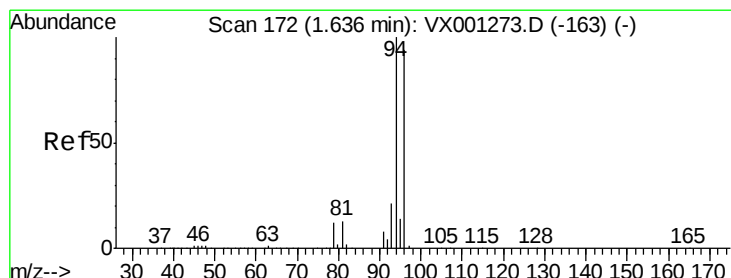
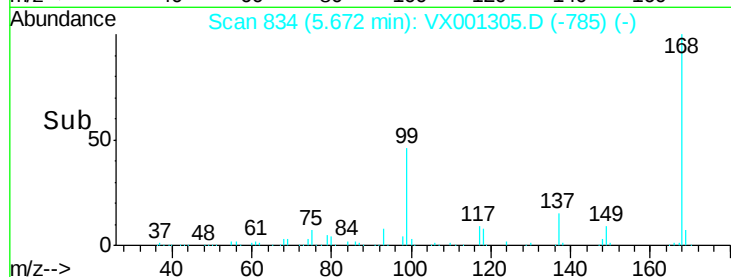
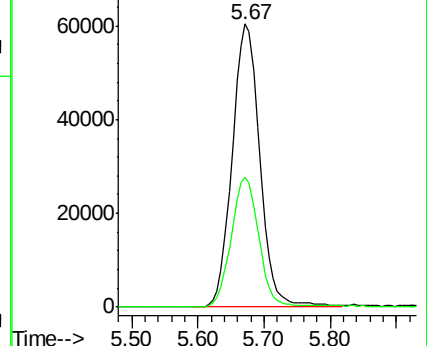
168 100

99 45.7 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001305.D

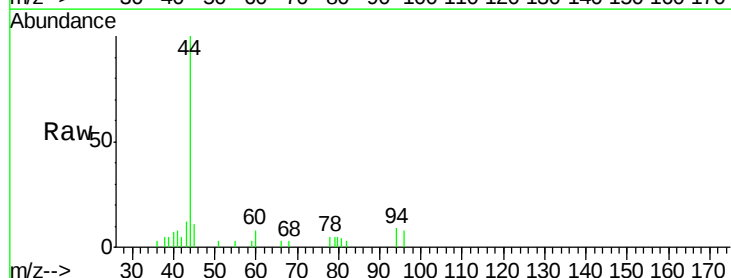
Acq: 02 May 2018 04:20

Tgt Ion: 94 Resp: 466

Ion Ratio Lower Upper

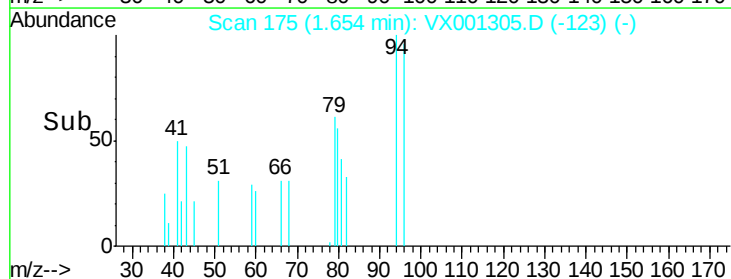
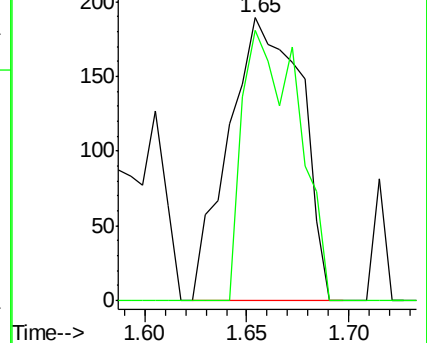
94 100

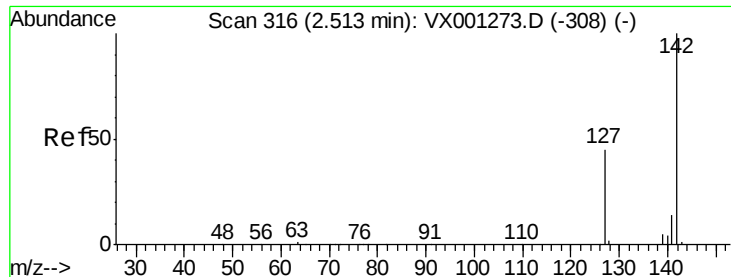
96 95.8 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

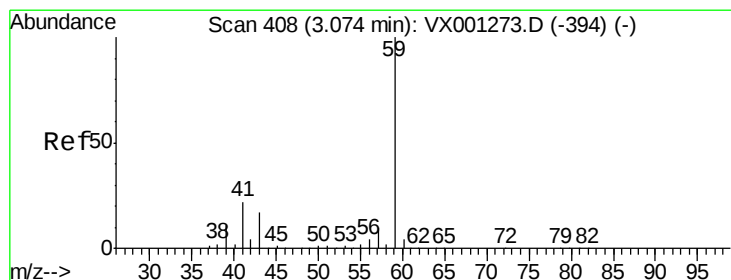
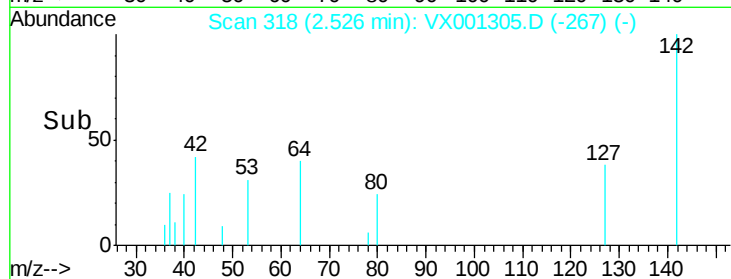
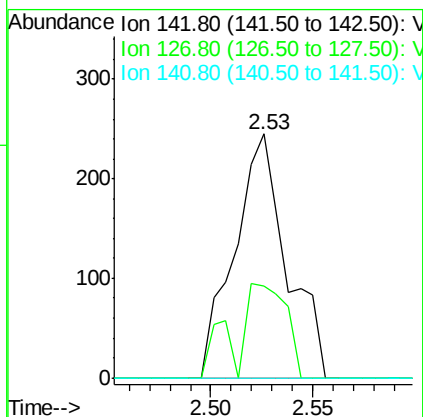
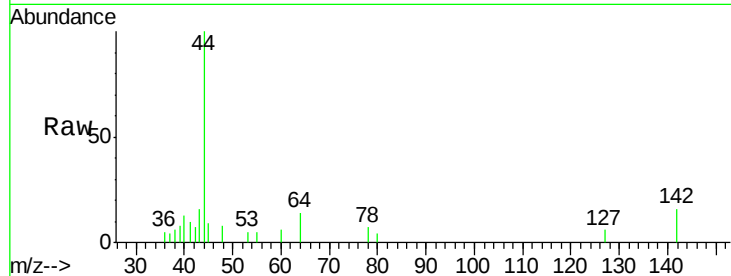




#10  
Methyl Iodide  
Concen: 4.52 ug/l  
RT: 2.53 min Scan# 318  
Delta R.T. 0.01 min  
Lab File: VX001305.D  
Acq: 02 May 2018 04:20

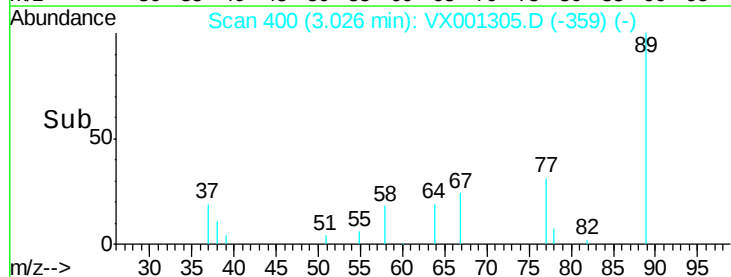
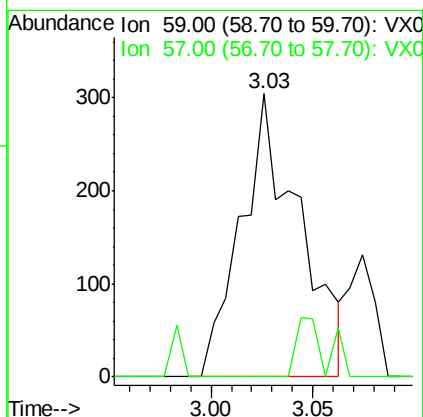
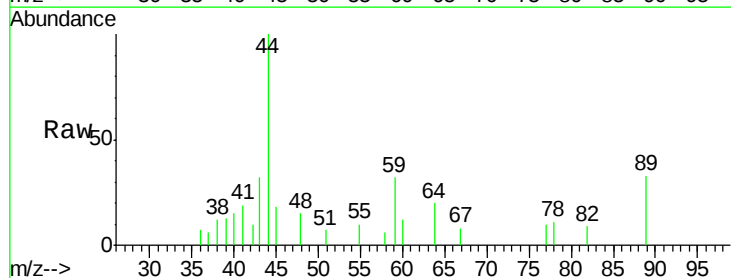
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB108752TBZHE#16

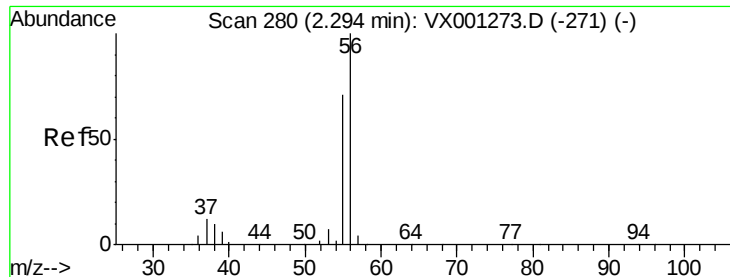
Tgt Ion:142 Resp: 439  
Ion Ratio Lower Upper  
142 100  
127 37.8 35.7 53.5  
141 0.0 11.4 17.0#



#11  
Tert butyl alcohol  
Concen: 1.45 ug/l  
RT: 3.03 min Scan# 400  
Delta R.T. -0.05 min  
Lab File: VX001305.D  
Acq: 02 May 2018 04:20

Tgt Ion: 59 Resp: 604  
Ion Ratio Lower Upper  
59 100  
57 10.8 8.6 12.8





#13

Acrolein

Concen: 0.21 ug/l

RT: 2.29 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

Instrument :

MSVOA\_X

ClientSampleId :

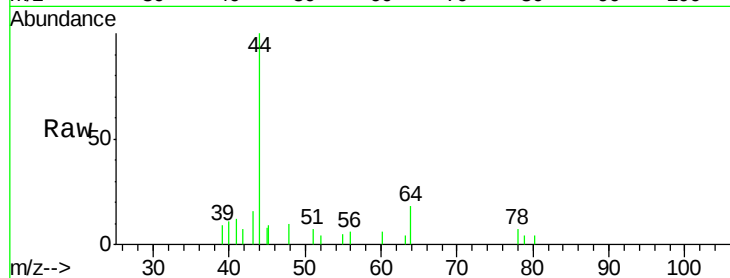
PB108752TBZHE#16

Tgt Ion: 56 Resp: 50

Ion Ratio Lower Upper

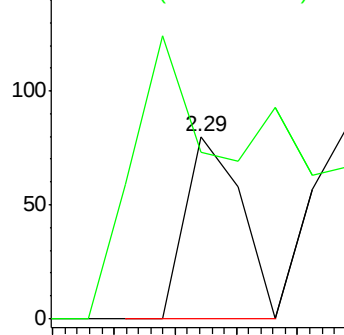
56 100

55 238.0 57.2 85.8#

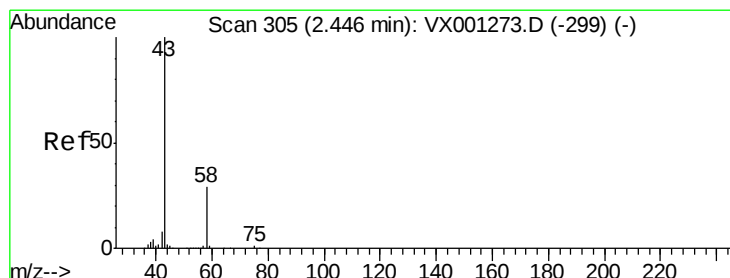
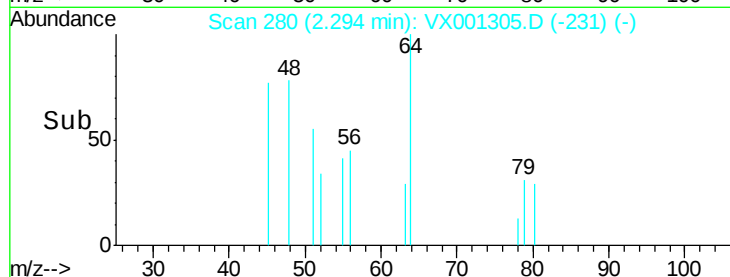


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



Time-->



#16

Acetone

Concen: 8.24 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001305.D

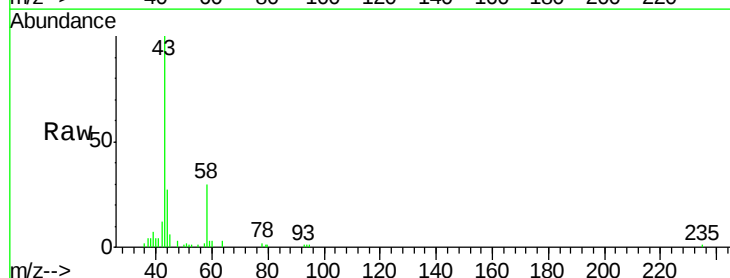
Acq: 02 May 2018 04:20

Tgt Ion: 43 Resp: 8538

Ion Ratio Lower Upper

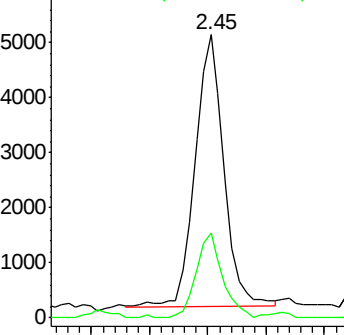
43 100

58 31.3 22.8 34.2

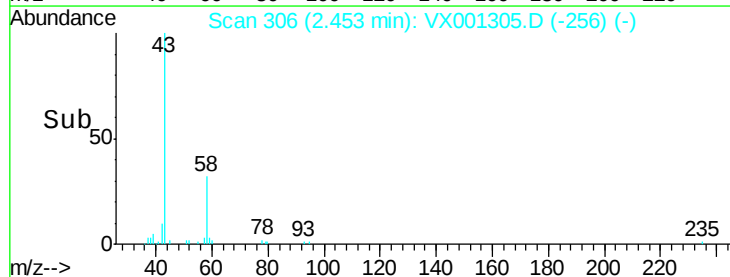


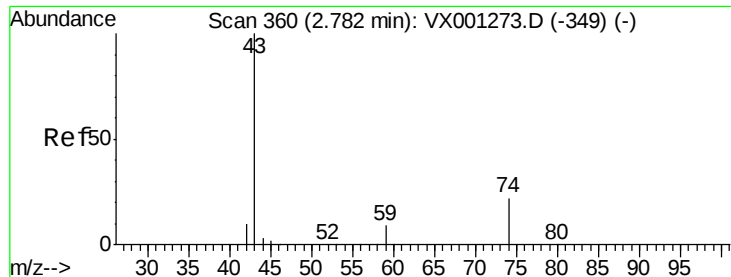
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->

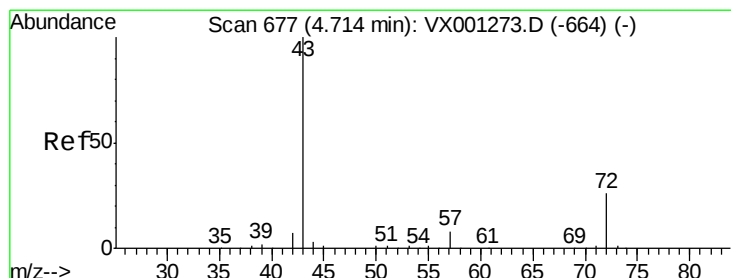
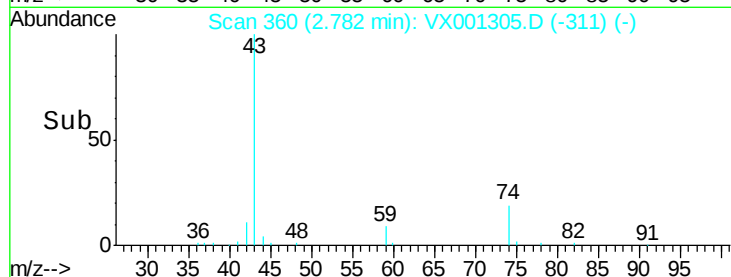
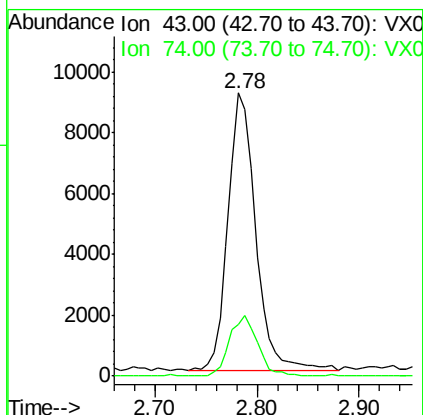
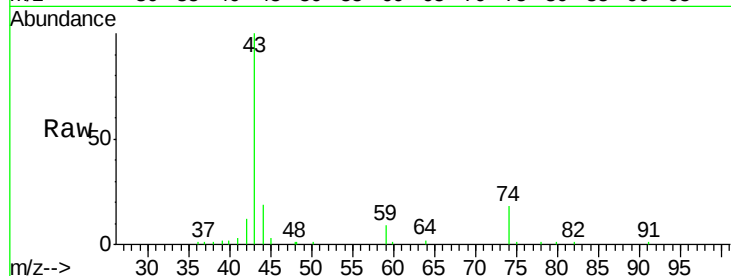




#18  
Methyl Acetate  
Concen: 7.12 ug/l  
RT: 2.78 min Scan# 360  
Delta R.T. 0.00 min  
Lab File: VX001305.D  
Acq: 02 May 2018 04:20

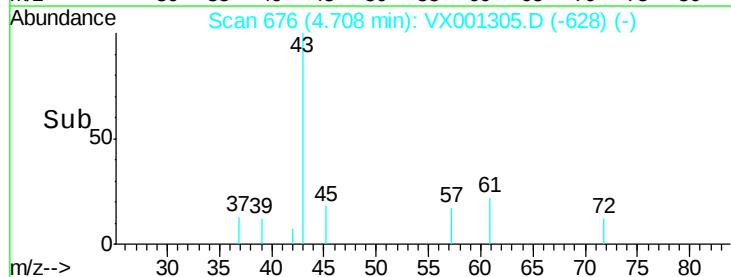
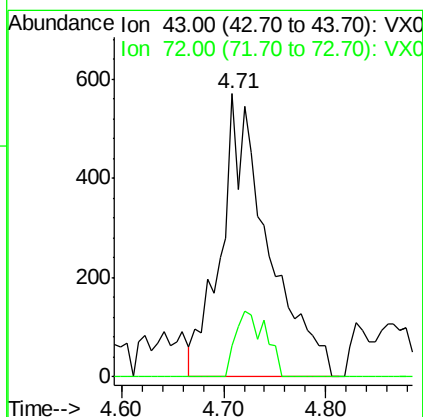
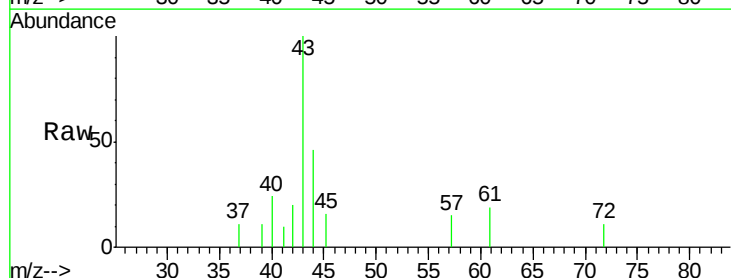
Instrument :  
MSVOA\_X  
ClientSampleId :  
PB108752TBZHE#16

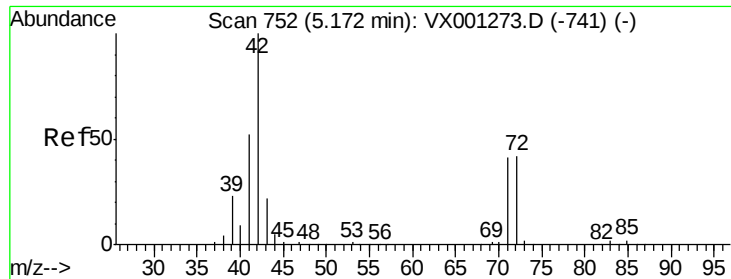
Tgt Ion: 43 Resp: 17435  
Ion Ratio Lower Upper  
43 100  
74 21.8 17.8 26.6



#25  
2-Butanone  
Concen: 1.30 ug/l  
RT: 4.71 min Scan# 676  
Delta R.T. -0.01 min  
Lab File: VX001305.D  
Acq: 02 May 2018 04:20

Tgt Ion: 43 Resp: 1825  
Ion Ratio Lower Upper  
43 100  
72 10.9 20.5 30.7#





#29

Tetrahydrofuran

Concen: 0.25 ug/l

RT: 5.17 min Scan# 751

Delta R.T. -0.01 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

Instrument :

MSVOA\_X

ClientSampleId :

PB108752TBZHE#16

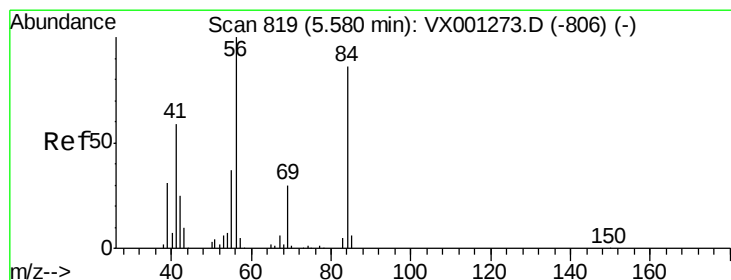
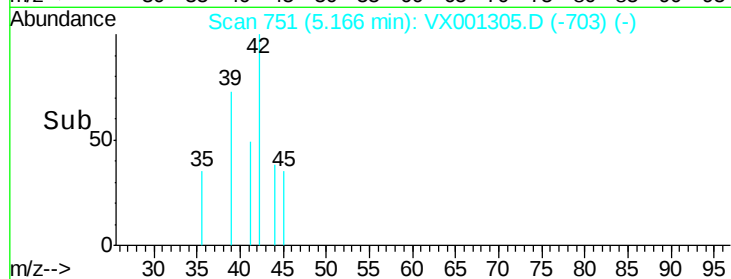
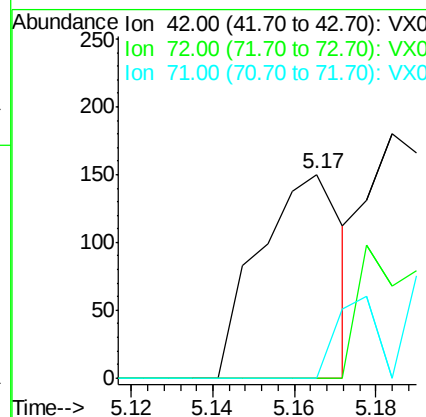
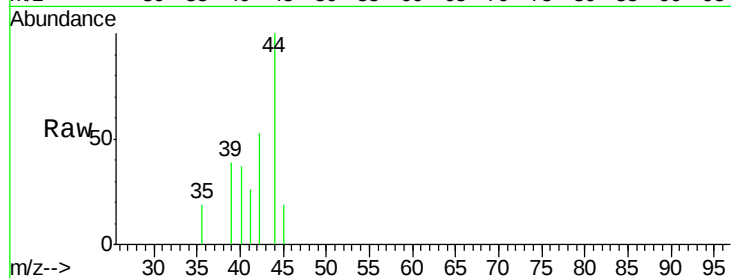
Tgt Ion: 42 Resp: 213

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

71 0.0 32.7 49.1#



#31

Cyclohexane

Concen: 0.99 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

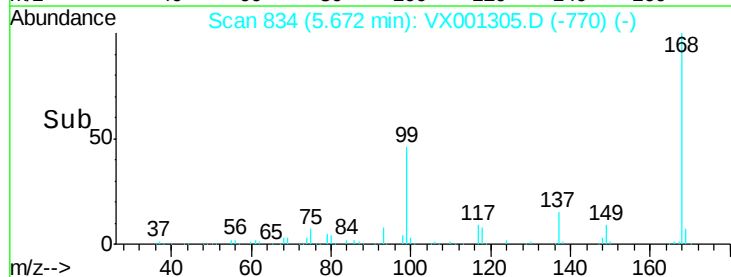
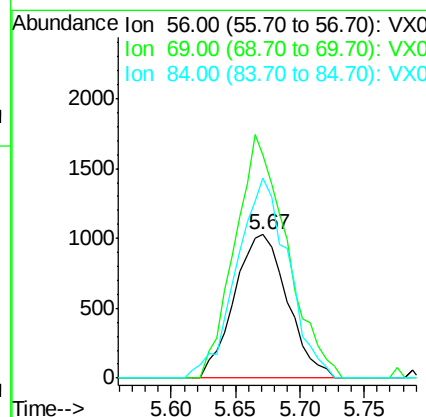
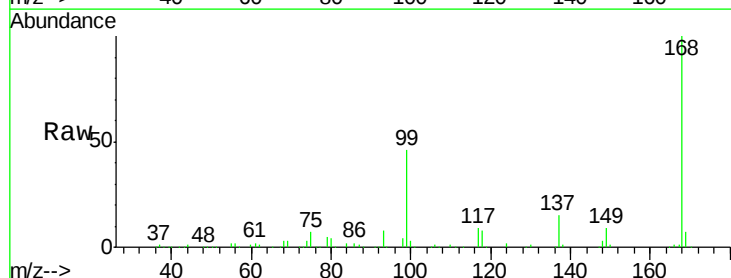
Tgt Ion: 56 Resp: 2940

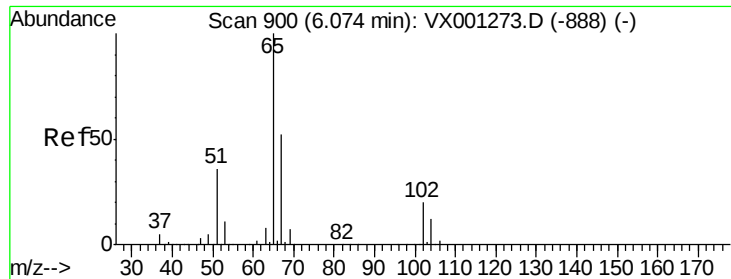
Ion Ratio Lower Upper

56 100

69 155.6 24.0 36.0#

84 139.6 69.0 103.4#





#33

1,2-Dichloroethane-d4

Concen: 44.65 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

Instrument :

MSVOA\_X

ClientSampleId :

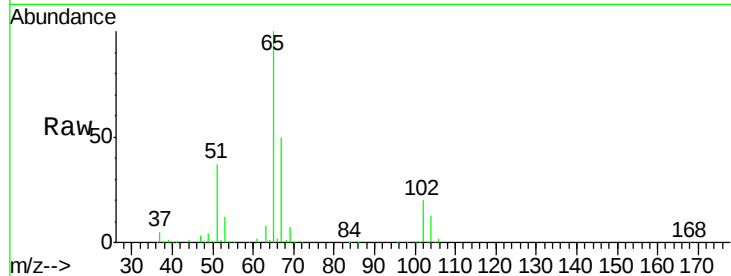
PB108752TBZHE#16

Tgt Ion: 65 Resp: 108445

Ion Ratio Lower Upper

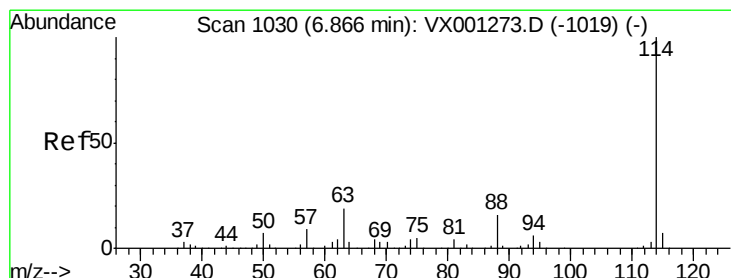
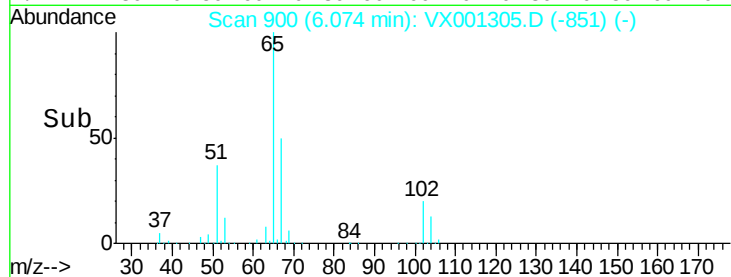
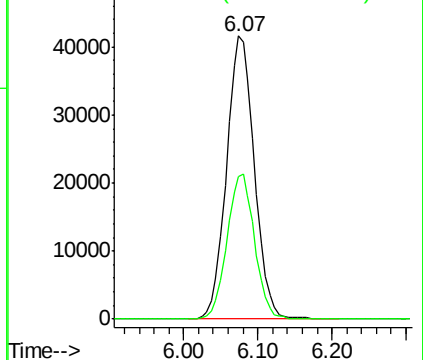
65 100

67 50.8 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

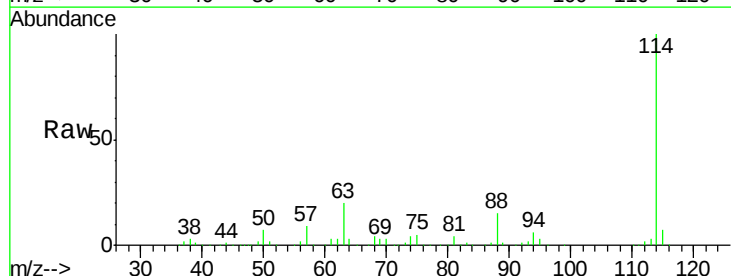
Tgt Ion: 114 Resp: 233894

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.8

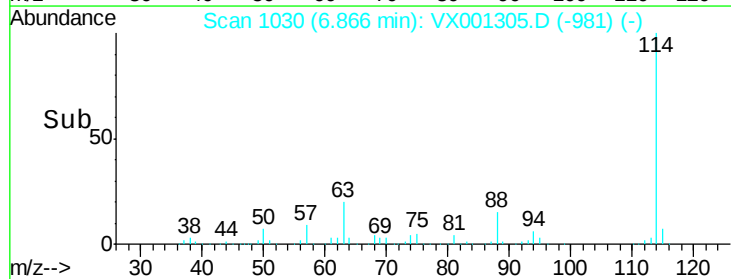
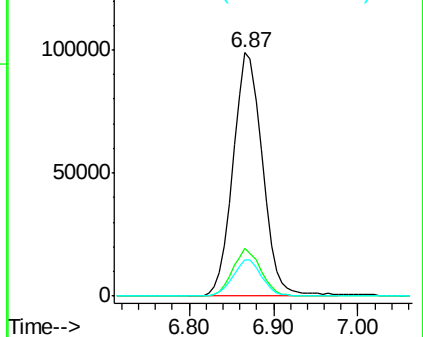
88 14.7 0.0 32.2

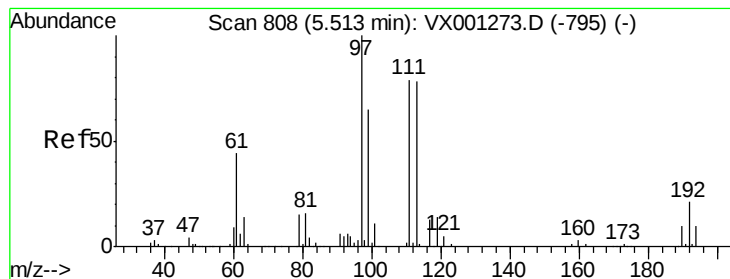


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 43.88 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

Instrument :

MSVOA\_X

ClientSampleId :

PB108752TBZHE#16

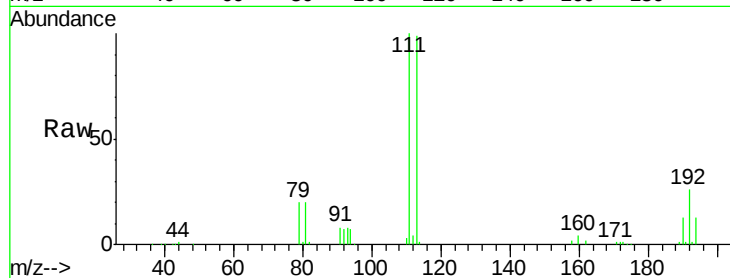
Tgt Ion:113 Resp: 88412

Ion Ratio Lower Upper

113 100

111 102.9 81.2 121.8

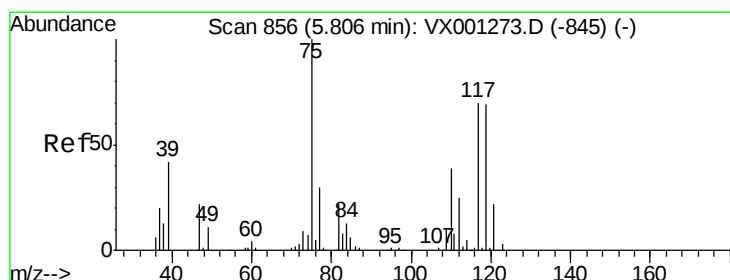
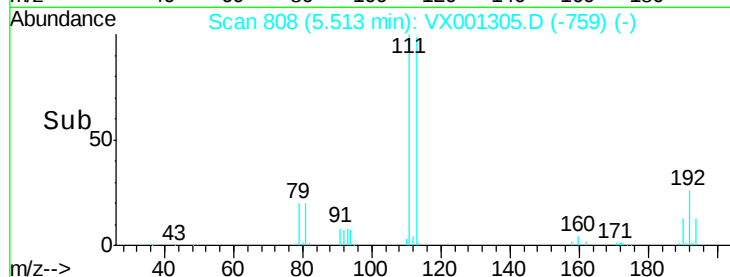
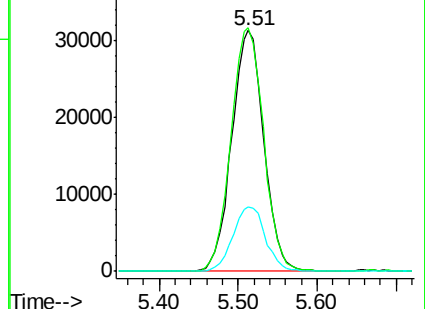
192 27.1 20.7 31.1



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



#36

1,1-Dichloropropene

Concen: 3.96 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

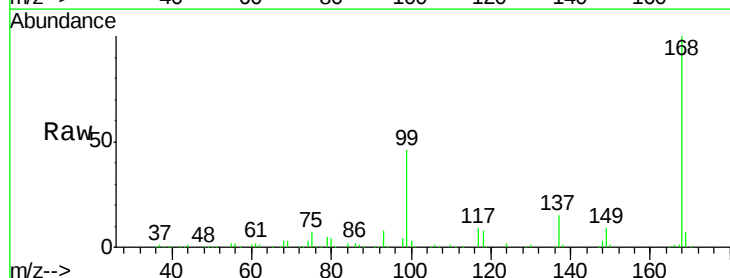
Tgt Ion: 75 Resp: 10695

Ion Ratio Lower Upper

75 100

110 0.0 18.9 56.9#

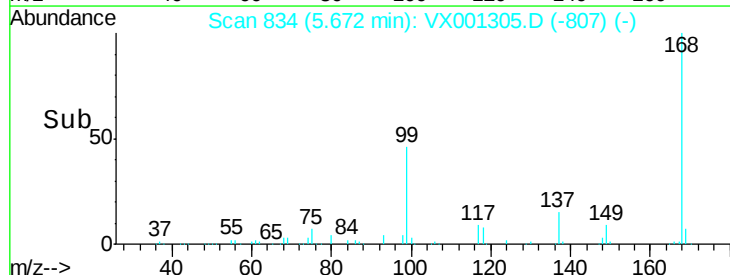
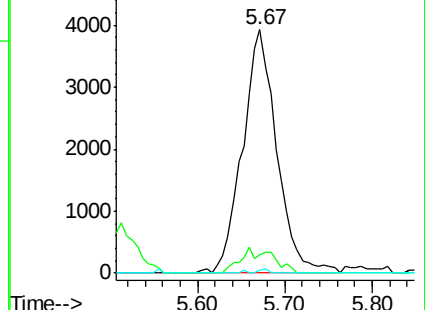
77 0.4 24.2 36.2#

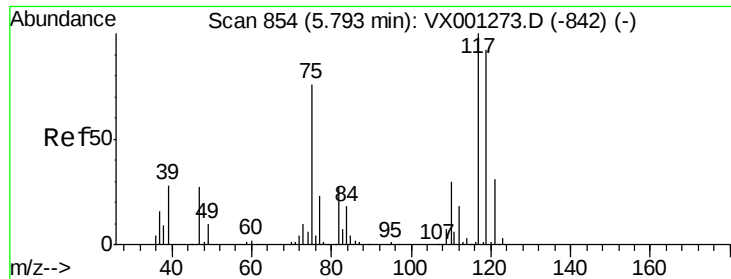


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.22 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

Instrument :

MSVOA\_X

ClientSampleId :

PB108752TBZHE#16

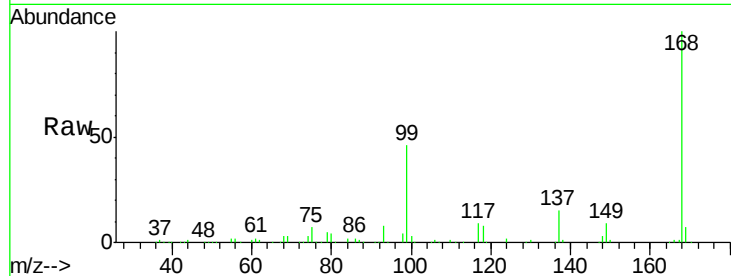
Tgt Ion:117 Resp: 14755

Ion Ratio Lower Upper

117 100

119 4.5 73.4 110.2#

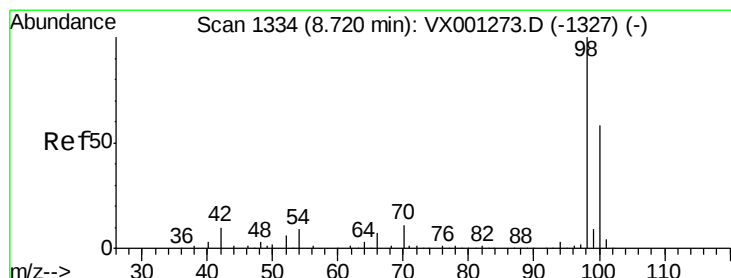
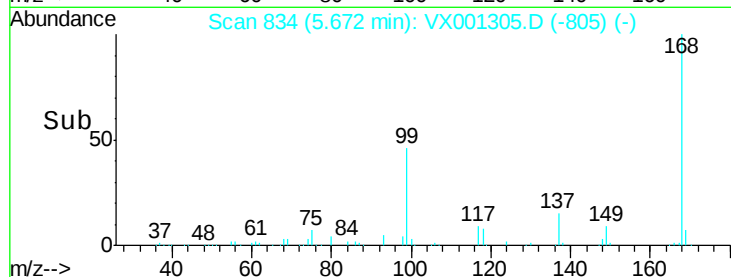
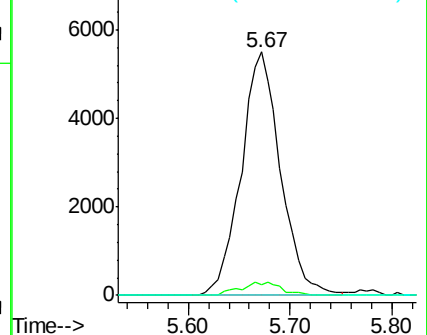
121 0.0 25.0 37.4#



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: 45.40 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001305.D

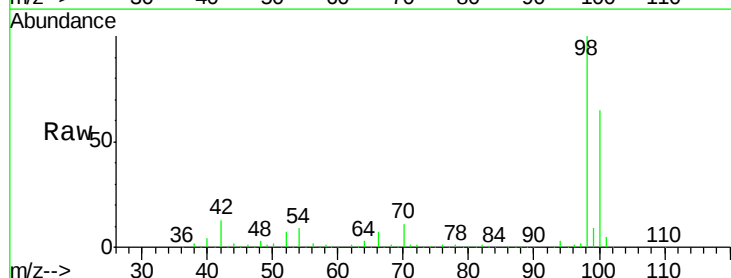
Acq: 02 May 2018 04:20

Tgt Ion: 98 Resp: 326864

Ion Ratio Lower Upper

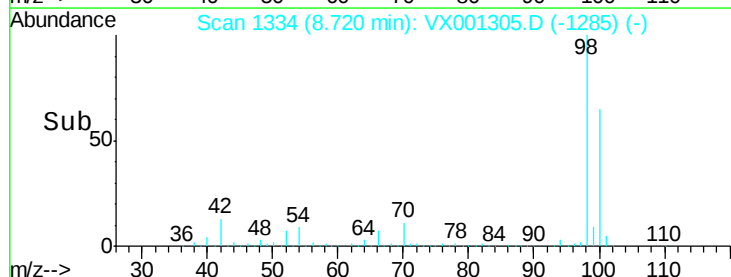
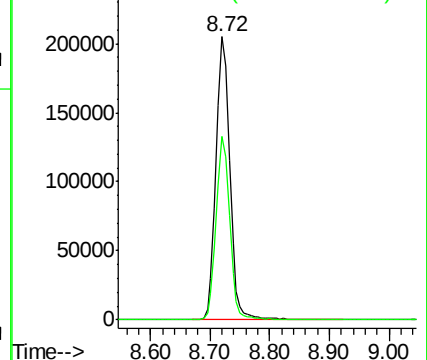
98 100

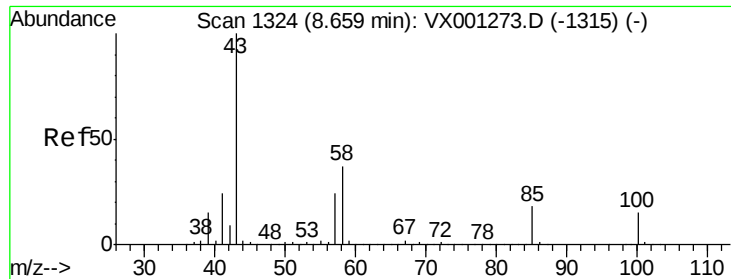
100 63.8 51.0 76.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.23 ug/l

RT: 8.66 min Scan# 1325

Delta R.T. 0.01 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

Instrument :

MSVOA\_X

ClientSampleId :

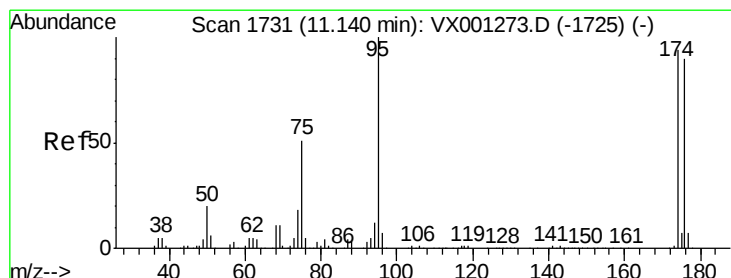
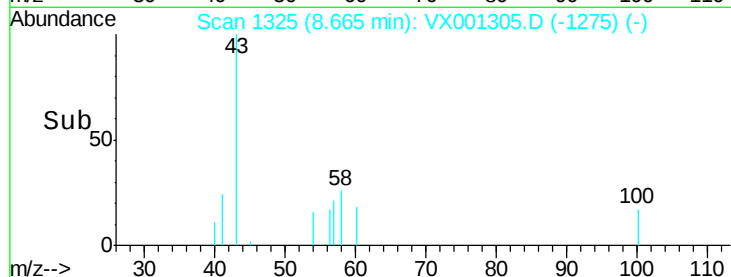
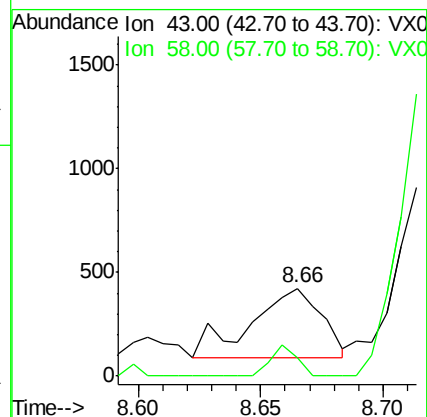
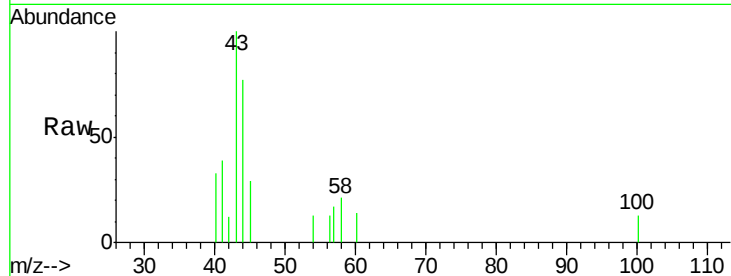
PB108752TBZHE#16

Tgt Ion: 43 Resp: 664

Ion Ratio Lower Upper

43 100

58 16.6 29.0 43.6#



#62

4-Bromofluorobenzene

Concen: 37.19 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

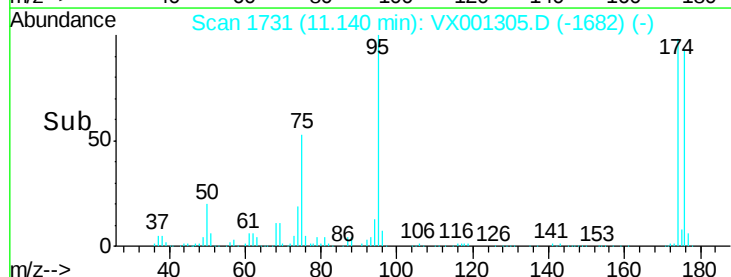
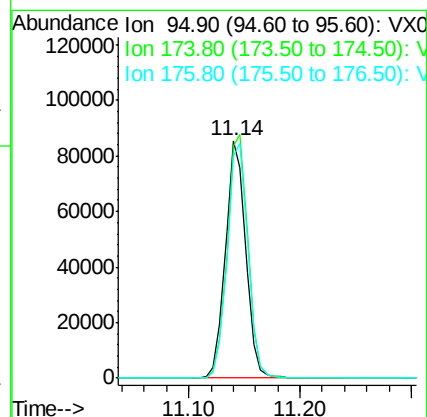
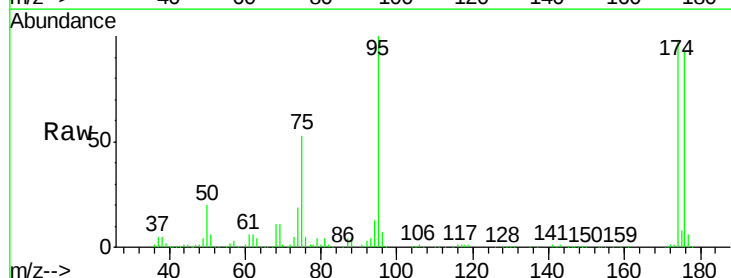
Tgt Ion: 95 Resp: 107080

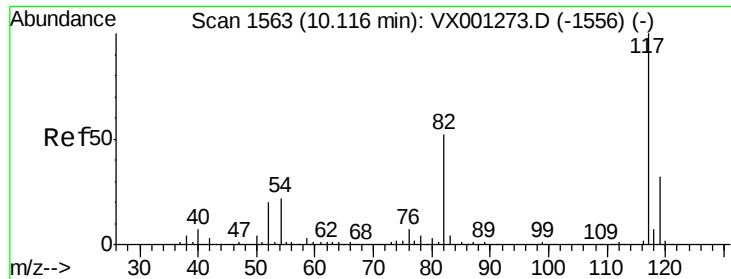
Ion Ratio Lower Upper

95 100

174 105.7 0.0 201.8

176 101.3 0.0 197.2

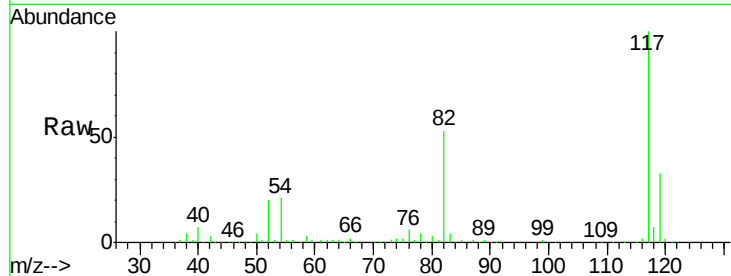




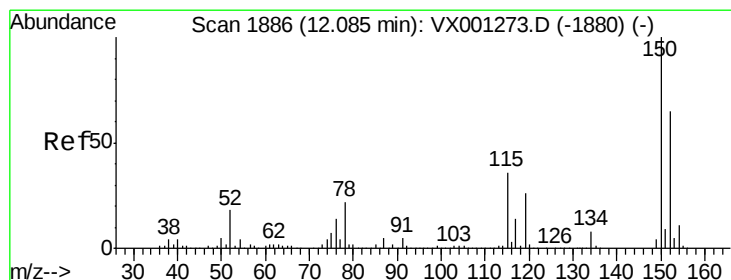
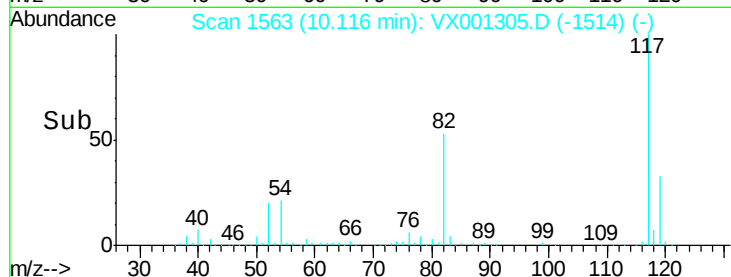
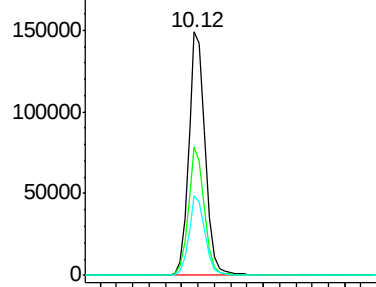
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.12 min Scan# 1563  
Delta R.T. 0.00 min  
Lab File: VX001305.D  
Acq: 02 May 2018 04:20

Instrument :  
MSVOA\_X  
ClientSampleId :  
PB108752TBZHE#16

Tgt Ion:117 Resp: 210744  
Ion Ratio Lower Upper  
117 100  
82 53.0 41.4 62.0  
119 32.5 25.5 38.3

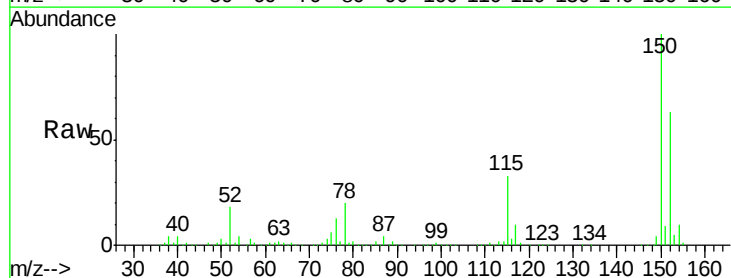


Abundance Ion 116.90 (116.60 to 117.60): V  
Ion 82.00 (81.70 to 82.70): VX0  
Ion 118.90 (118.60 to 119.60): V

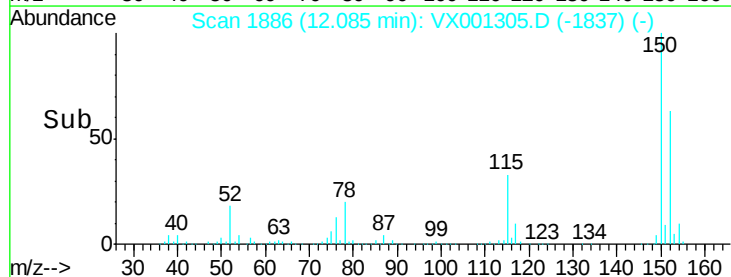
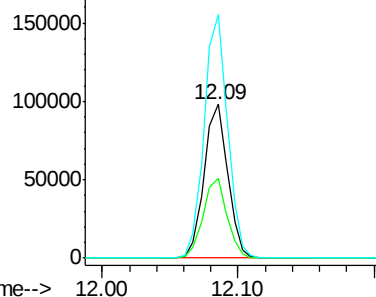


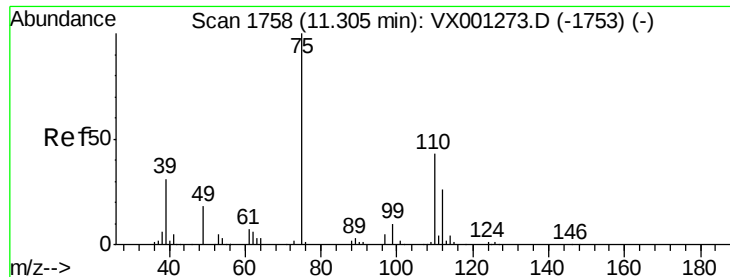
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.09 min Scan# 1886  
Delta R.T. 0.00 min  
Lab File: VX001305.D  
Acq: 02 May 2018 04:20

Tgt Ion:152 Resp: 119227  
Ion Ratio Lower Upper  
152 100  
115 52.2 38.6 115.7  
150 156.4 0.0 349.2



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: 25.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

Instrument :

MSVOA\_X

ClientSampleId :

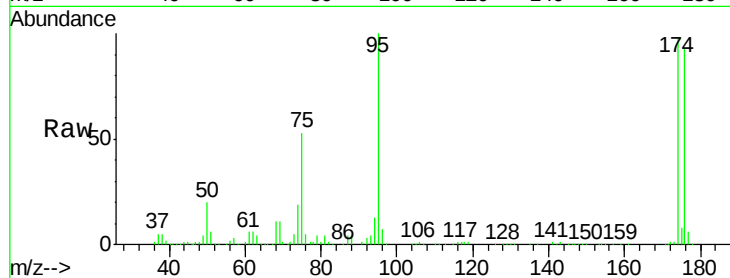
PB108752TBZHE#16

Tgt Ion: 75 Resp: 55643

Ion Ratio Lower Upper

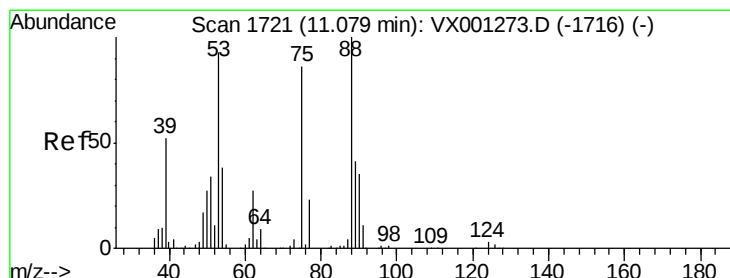
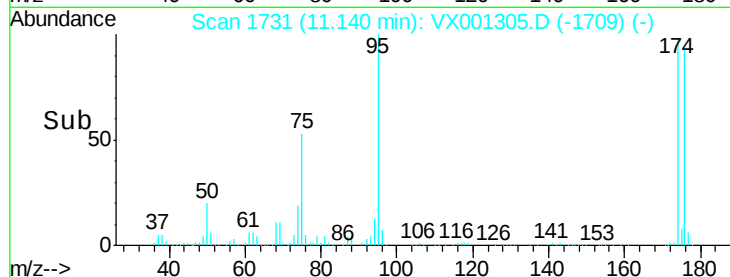
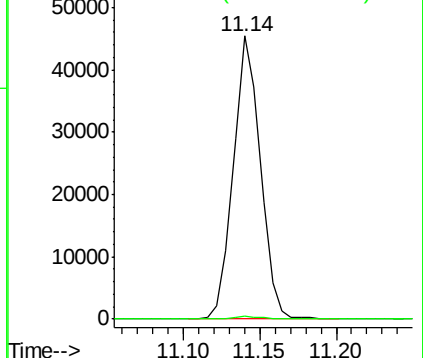
75 100

77 1.2 18.9 56.5#



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: 79.36 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001305.D

Acq: 02 May 2018 04:20

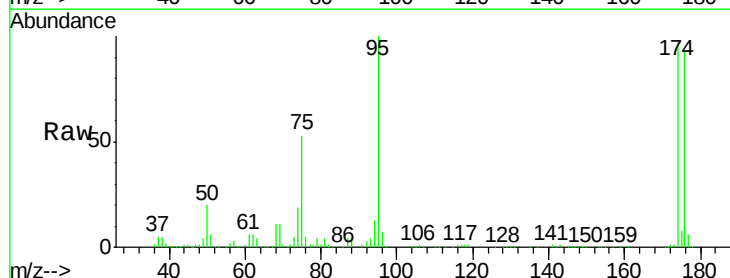
Tgt Ion: 75 Resp: 55643

Ion Ratio Lower Upper

75 100

53 0.1 87.1 130.7#

89 0.0 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

