

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV091418\  
 Data File : VV007543.D  
 Acq On : 15 Sep 2018 00:19  
 Operator : SY/MD  
 Sample : J4888-10  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KW5

Quant Time: Sep 15 02:09:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091318WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Sep 15 02:08:52 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 112668   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 94670    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 42376    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24964    | 4.24     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 84.80%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 28086    | 5.69     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 113.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 42729    | 3.49     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.80%   |
| 20) 2-Butanone-d5              | 3.97   | 46    | 59102    | 72.00    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 144.00%# |
| 24) Chloroform-d               | 4.41   | 84    | 54560    | 4.52     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.40%   |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 27945    | 4.72     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.40%   |
| 32) Benzene-d6                 | 5.10   | 84    | 107310   | 5.00     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 31788    | 4.96     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 99.20%   |
| 41) Toluene-d8                 | 7.36   | 98    | 99202    | 4.44     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.80%   |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 10619    | 3.59     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 71.80%   |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 31038    | 65.63    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 131.26%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 20577    | 4.60     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.00%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 37831    | 4.88     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 97.60%   |

## Target Compounds

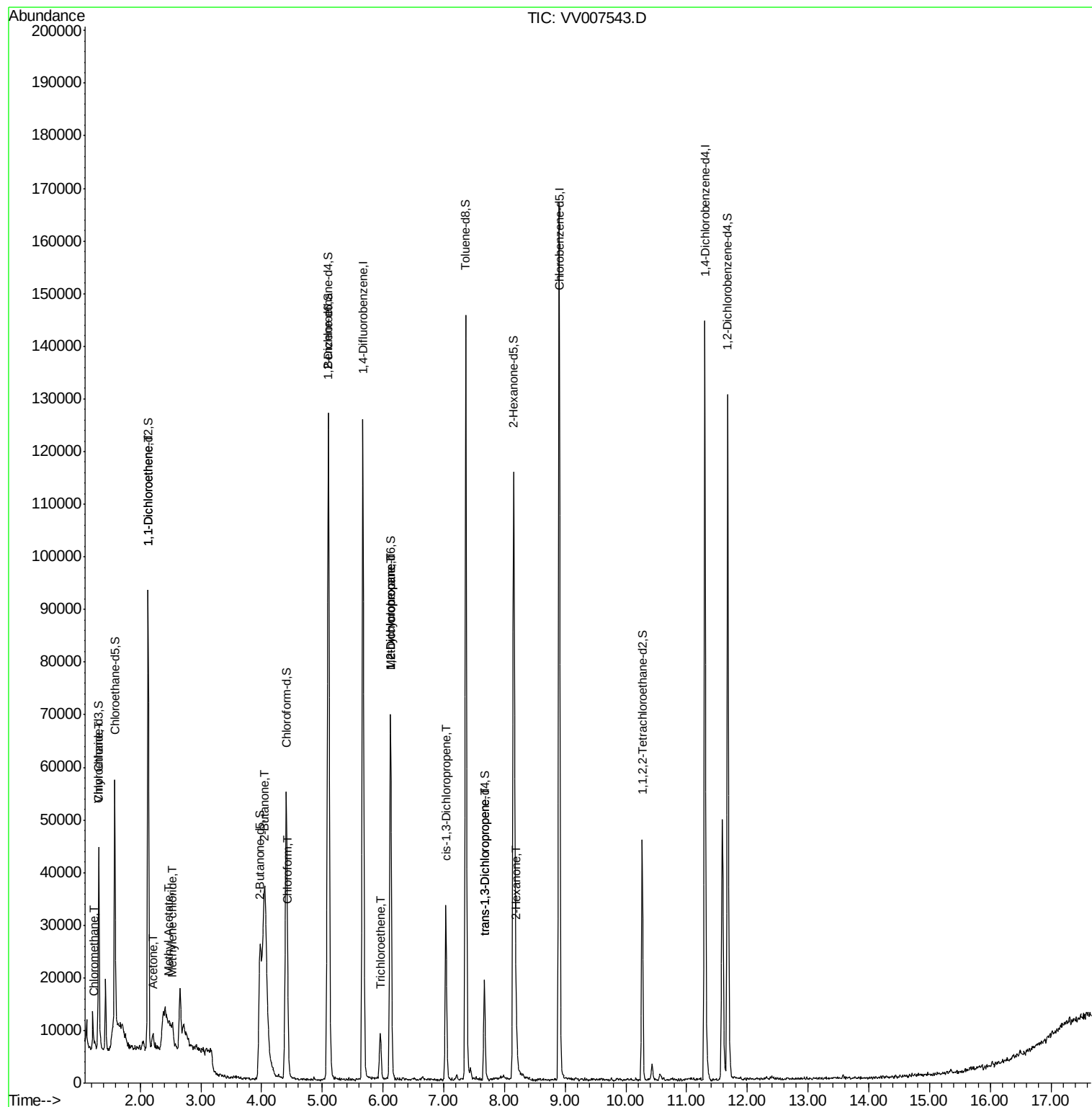
|                               |      |    |      |              | Qvalue |
|-------------------------------|------|----|------|--------------|--------|
| 3) Chloromethane              | 1.25 | 50 | 677  | 0.128 ug/L   | 91     |
| 8) Chloroethane               | 1.32 | 64 | 385  | 0.107 ug/L # | 1      |
| 12) 1,1-Dichloroethene        | 2.13 | 96 | 578  | 0.101 ug/L # | 1      |
| 13) Acetone                   | 2.22 | 43 | 2992 | 5.581 ug/L   | 75     |
| 15) Methyl Acetate            | 2.47 | 43 | 284  | 0.193 ug/L # | 43     |
| 16) Methylene chloride        | 2.54 | 84 | 1052 | 0.170 ug/L   | 92     |
| 21) 2-Butanone                | 4.05 | 43 | 1616 | 1.797 ug/L # | 72     |
| 25) Chloroform                | 4.44 | 83 | 2317 | 0.224 ug/L   | 96     |
| 34) Trichloroethene           | 5.96 | 95 | 1473 | 0.246 ug/L   | 87     |
| 35) Methylcyclohexane         | 6.12 | 83 | 8038 | 0.868 ug/L # | 22     |
| 37) 1,2-Dichloropropane       | 6.12 | 63 | 4032 | 0.837 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene   | 7.04 | 75 | 886  | 0.116 ug/L # | 50     |
| 44) trans-1,3-Dichloropropene | 7.67 | 75 | 551  | 0.087 ug/L # | 78     |
| 48) 2-Hexanone                | 8.20 | 43 | 4868 | 2.411 ug/L # | 36     |

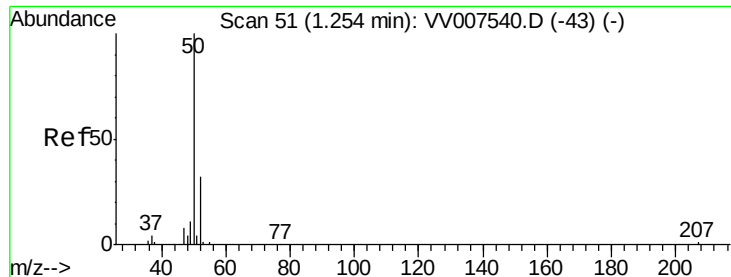
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV091418\  
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Sample : J4888-10  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0KW5

Quant Time: Sep 15 02:09:38 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091318WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Sep 15 02:08:52 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.128 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007543.D

Acq: 15 Sep 2018 00:19

Instrument :

MSVOA\_V

ClientSampleId :

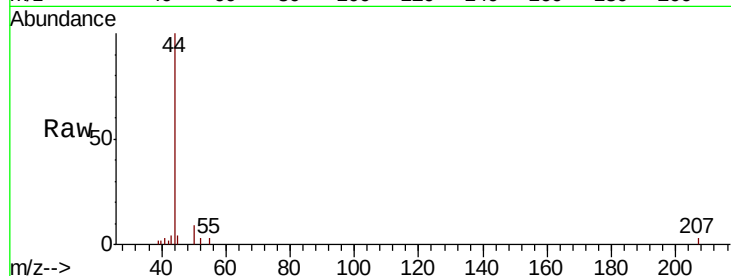
C0KW5

Tgt Ion: 50 Resp: 677

Ion Ratio Lower Upper

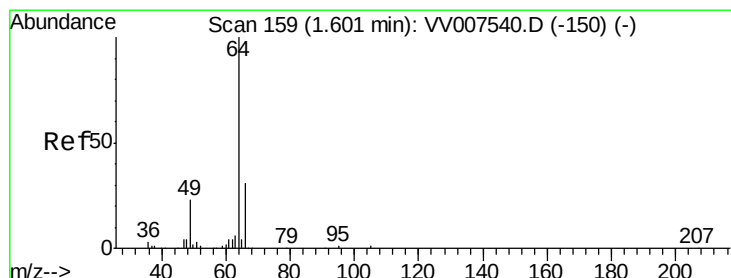
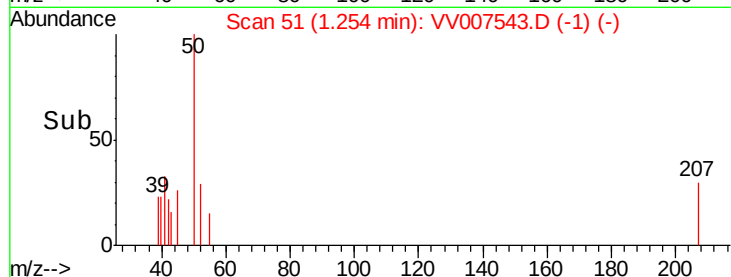
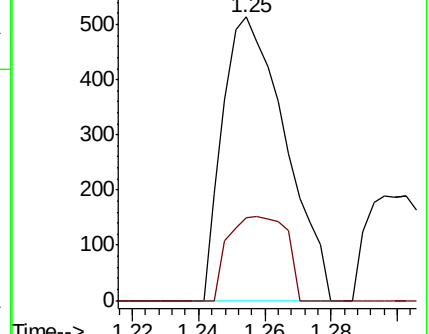
50 100

52 29.2 24.3 45.1



Abundance Ion 50.05 (49.75 to 50.75): VV007540.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007540.D (-43) (-)



#8

Chloroethane

Concen: 0.107 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.28 min

Lab File: VV007543.D

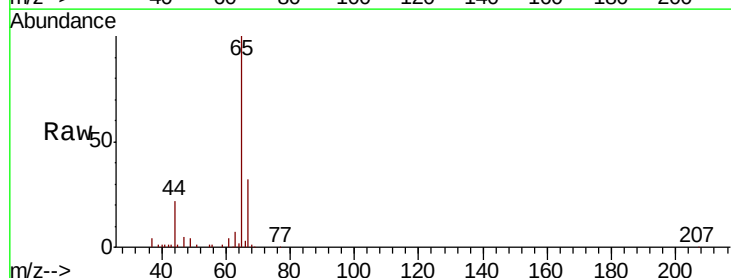
Acq: 15 Sep 2018 00:19

Tgt Ion: 64 Resp: 385

Ion Ratio Lower Upper

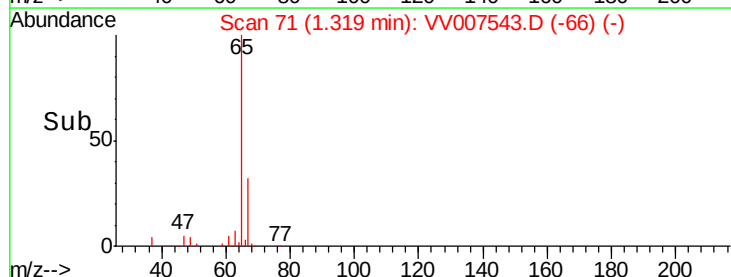
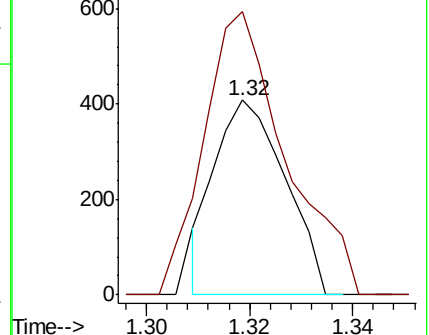
64 100

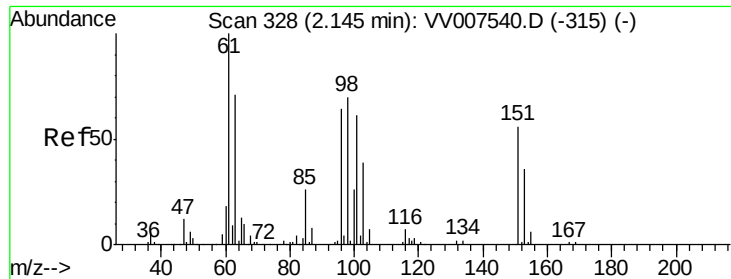
66 145.3 24.3 45.1#



Abundance Ion 64.10 (63.80 to 64.80): VV007540.D (-150) (-)

Ion 66.05 (65.75 to 66.75): VV007540.D (-150) (-)

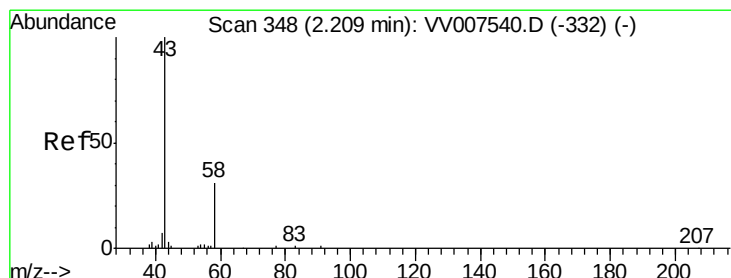
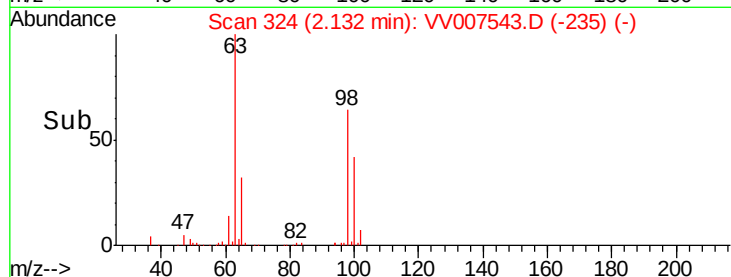
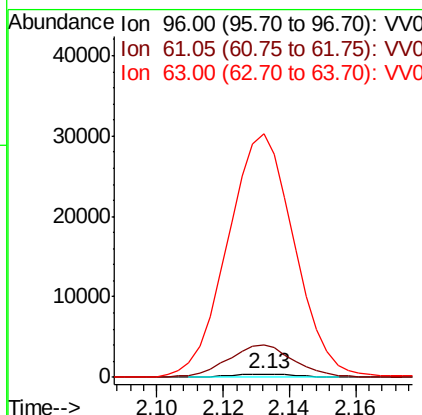
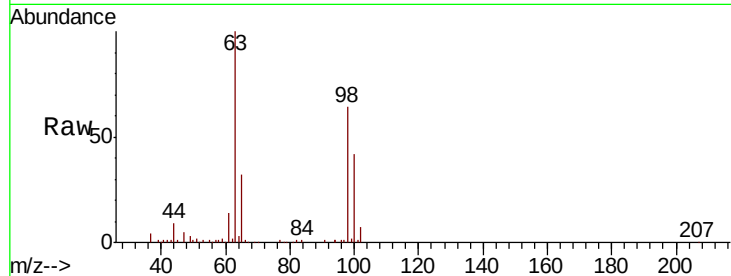




#12  
 1,1-Dichloroethene  
 Concen: 0.101 ug/L  
 RT: 2.13 min Scan# 324  
 Delta R.T. -0.01 min  
 Lab File: VV007543.D  
 Acq: 15 Sep 2018 00:19

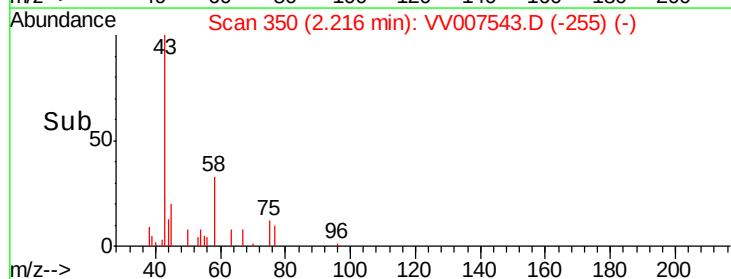
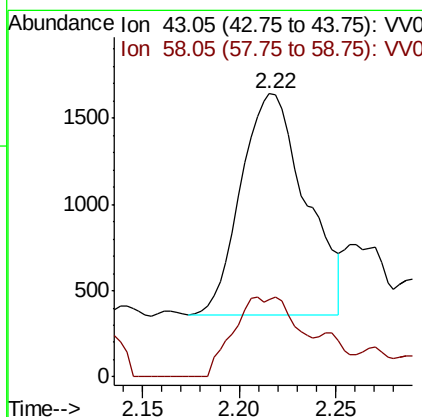
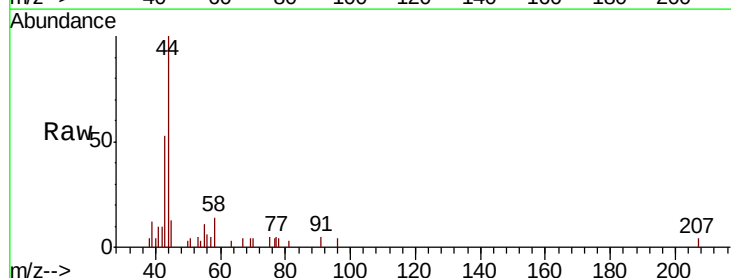
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KW5

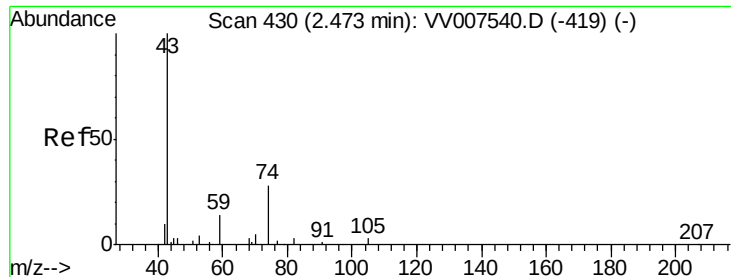
Tgt Ion: 96 Resp: 578  
 Ion Ratio Lower Upper  
 96 100  
 61 952.9 114.8 213.2#  
 63 7056.4 81.8 151.8#



#13  
 Acetone  
 Concen: 5.581 ug/L  
 RT: 2.22 min Scan# 350  
 Delta R.T. 0.01 min  
 Lab File: VV007543.D  
 Acq: 15 Sep 2018 00:19

Tgt Ion: 43 Resp: 2992  
 Ion Ratio Lower Upper  
 43 100  
 58 17.9 0.0 63.4

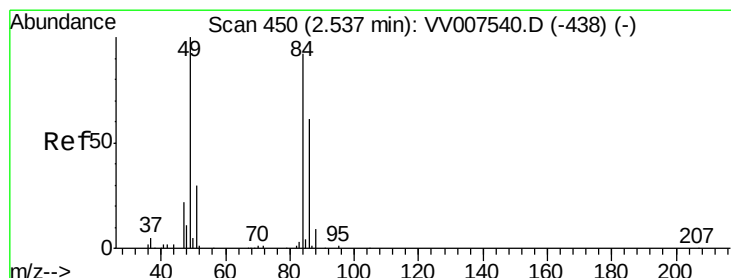
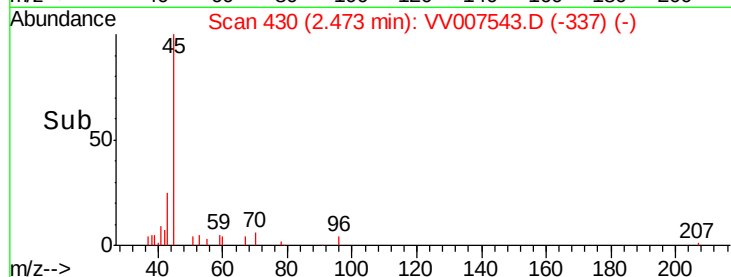
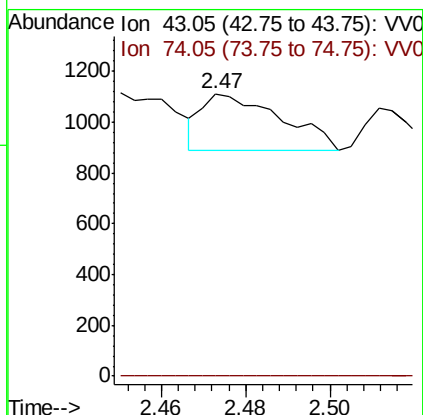
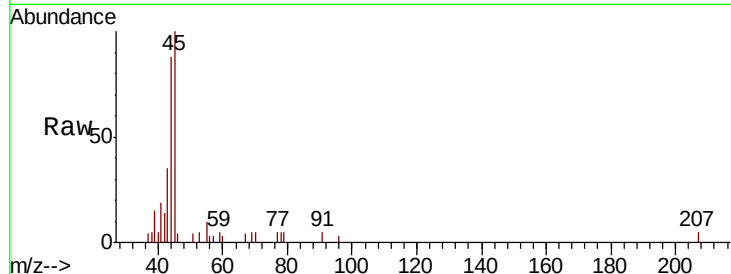




#15  
Methyl Acetate  
Concen: 0.193 ug/L  
RT: 2.47 min Scan# 430  
Delta R.T. 0.00 min  
Lab File: VV007543.D  
Acq: 15 Sep 2018 00:19

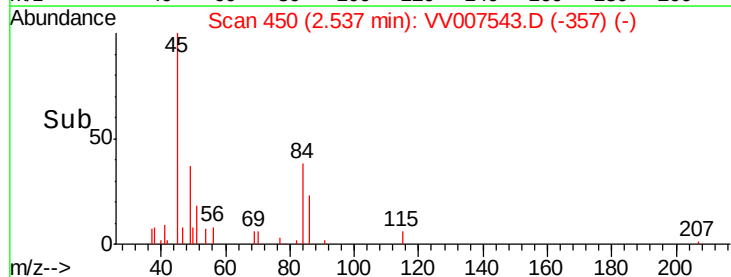
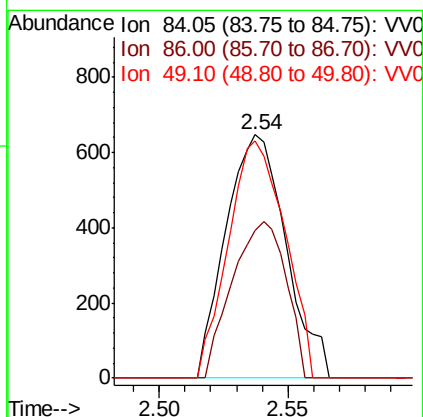
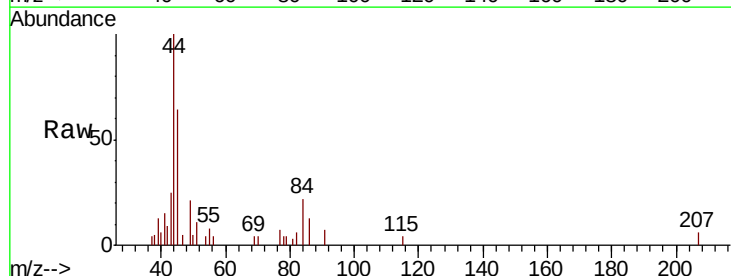
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0KW5

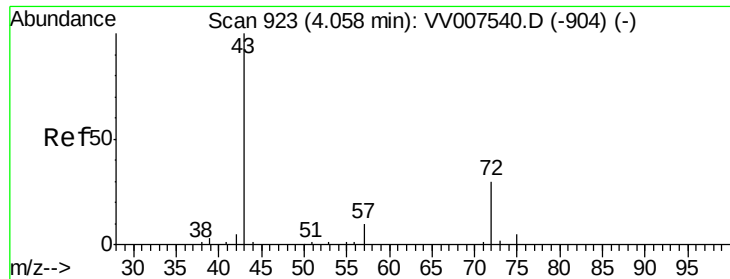
Tgt Ion: 43 Resp: 284  
Ion Ratio Lower Upper  
43 100  
74 0.0 25.4 38.2#



#16  
Methylene chloride  
Concen: 0.170 ug/L  
RT: 2.54 min Scan# 450  
Delta R.T. 0.00 min  
Lab File: VV007543.D  
Acq: 15 Sep 2018 00:19

Tgt Ion: 84 Resp: 1052  
Ion Ratio Lower Upper  
84 100  
86 60.6 43.7 81.1  
49 97.7 76.8 142.6





#21

2-Butanone

Concen: 1.797 ug/L

RT: 4.05 min Scan# 919

Delta R.T. -0.01 min

Lab File: VV007543.D

Acq: 15 Sep 2018 00:19

Instrument :

MSVOA\_V

ClientSampleId :

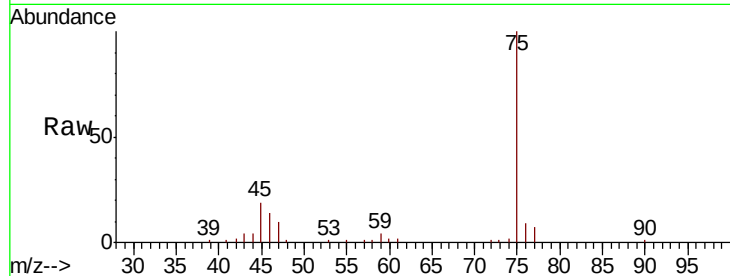
C0KW5

Tgt Ion: 43 Resp: 1616

Ion Ratio Lower Upper

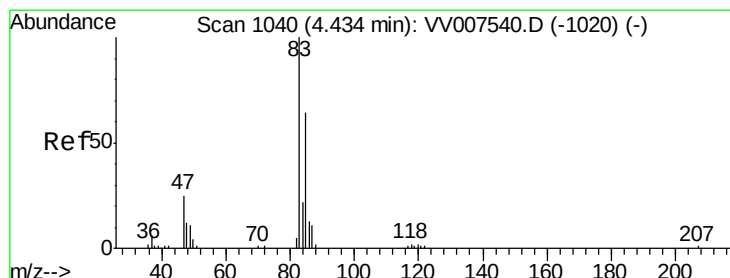
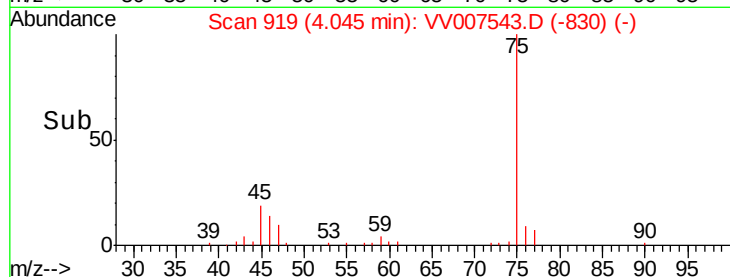
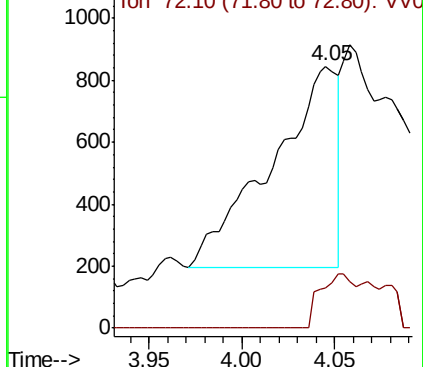
43 100

72 13.8 14.2 42.6#



Abundance Ion 43.05 (42.75 to 43.75): VV007543.D (-830) (-)

Ion 72.10 (71.80 to 72.80): VV007543.D (-830) (-)



#25

Chloroform

Concen: 0.224 ug/L

RT: 4.44 min Scan# 1041

Delta R.T. 0.00 min

Lab File: VV007543.D

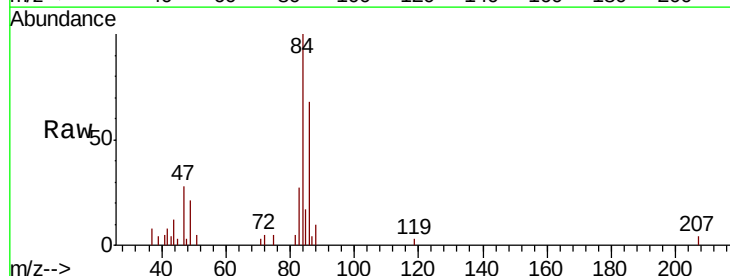
Acq: 15 Sep 2018 00:19

Tgt Ion: 83 Resp: 2317

Ion Ratio Lower Upper

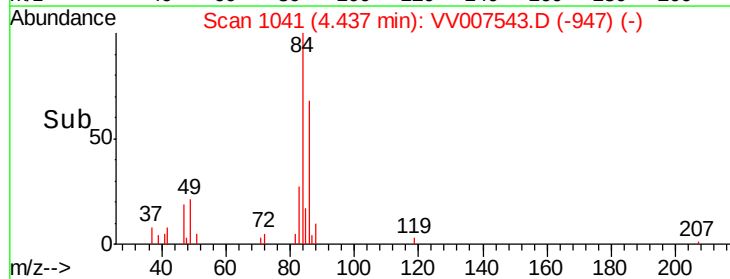
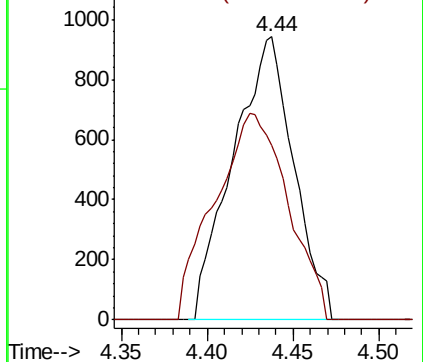
83 100

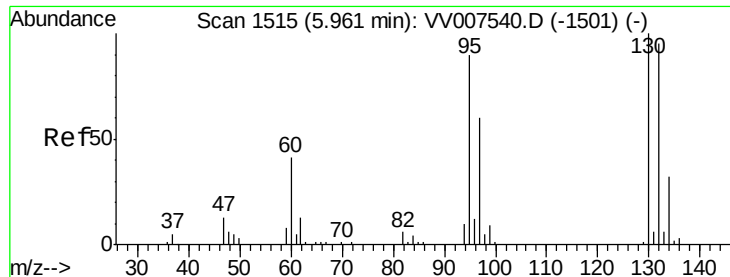
85 61.9 45.5 84.5



Abundance Ion 83.05 (82.75 to 83.75): VV007543.D (-947) (-)

Ion 85.00 (84.70 to 85.70): VV007543.D (-947) (-)





#34

Trichloroethene

Concen: 0.246 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007543.D

Acq: 15 Sep 2018 00:19

Instrument :

MSVOA\_V

ClientSampleId :

C0KW5

Tgt Ion: 95 Resp: 1473

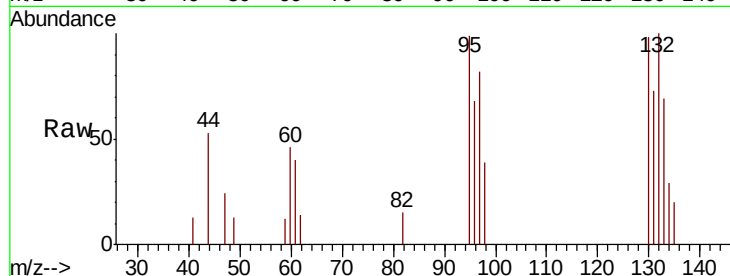
Ion Ratio Lower Upper

95 100

97 82.9 45.5 84.5

132 100.6 74.9 139.1

130 98.8 80.0 148.6

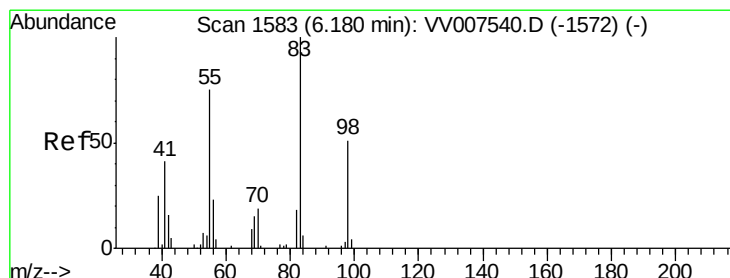
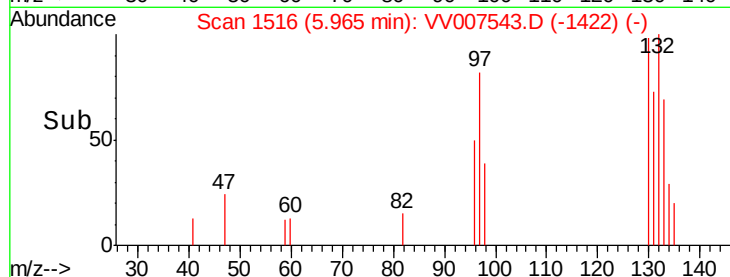
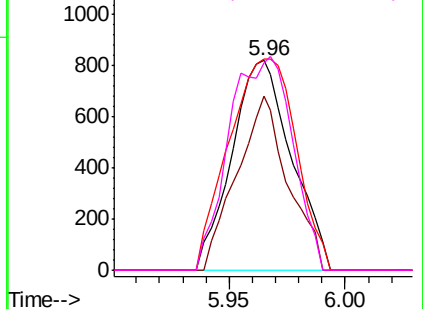


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.868 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.06 min

Lab File: VV007543.D

Acq: 15 Sep 2018 00:19

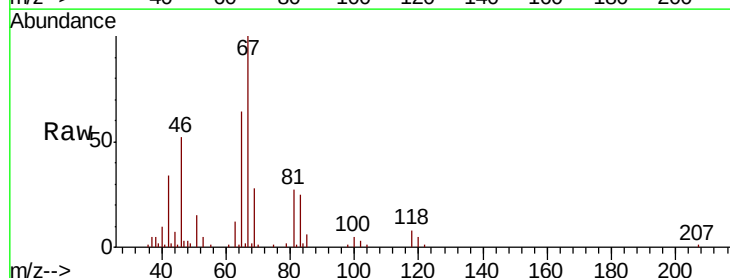
Tgt Ion: 83 Resp: 8038

Ion Ratio Lower Upper

83 100

55 0.2 55.0 82.4#

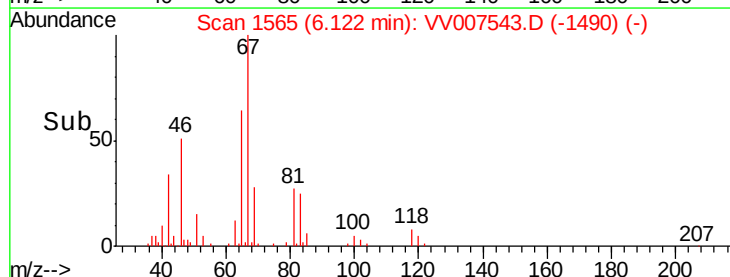
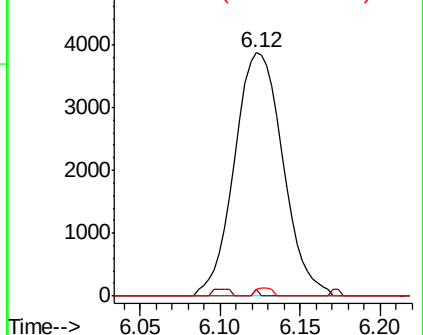
98 1.1 37.6 56.4#

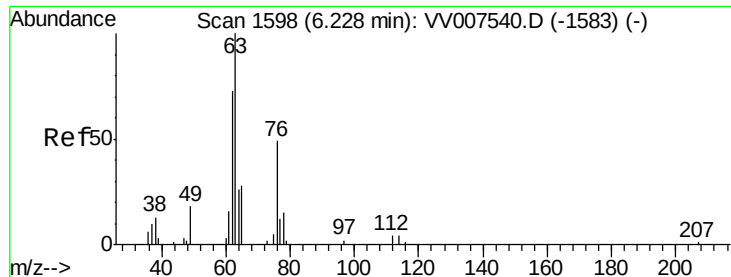


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

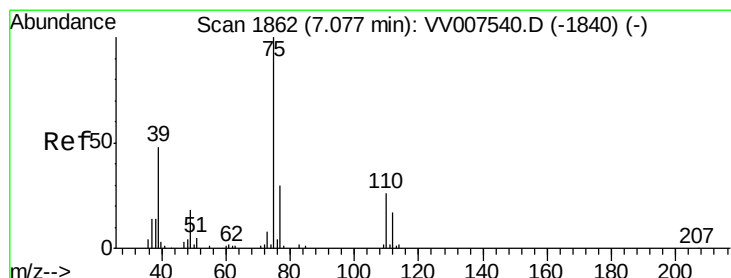
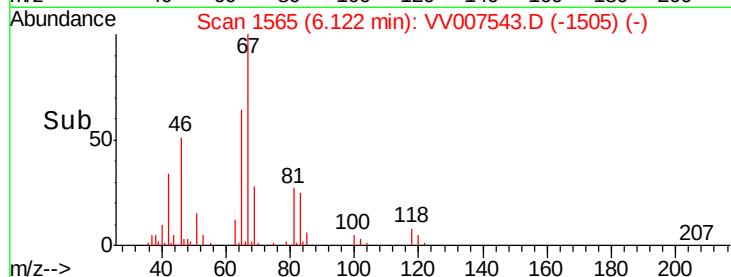
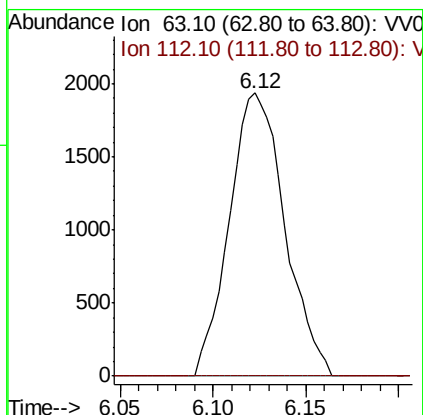
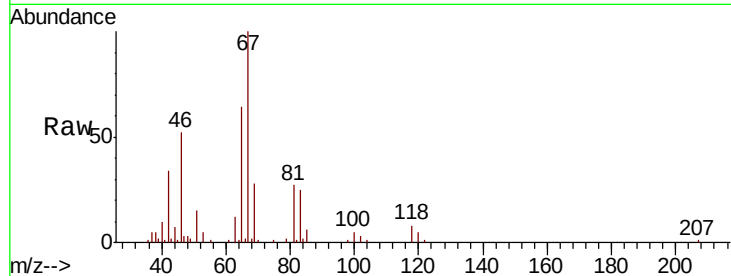




#37  
 1,2-Dichloropropane  
 Concen: 0.837 ug/L  
 RT: 6.12 min Scan# 1565  
 Delta R.T. -0.11 min  
 Lab File: VV007543.D  
 Acq: 15 Sep 2018 00:19

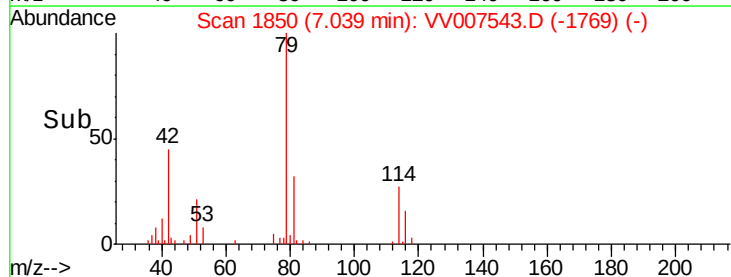
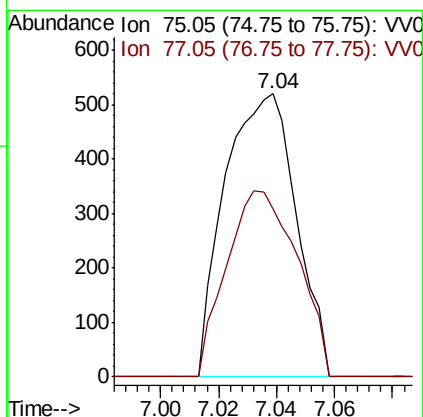
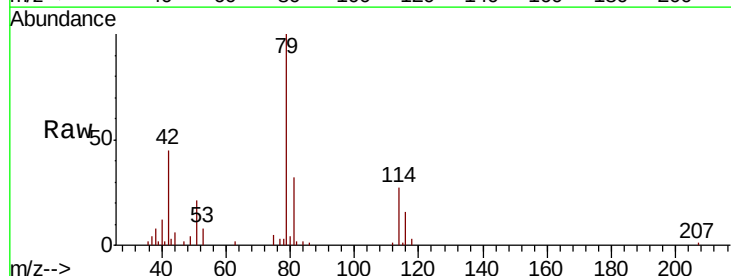
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KW5

Tgt Ion: 63 Resp: 4032  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.1 6.1#

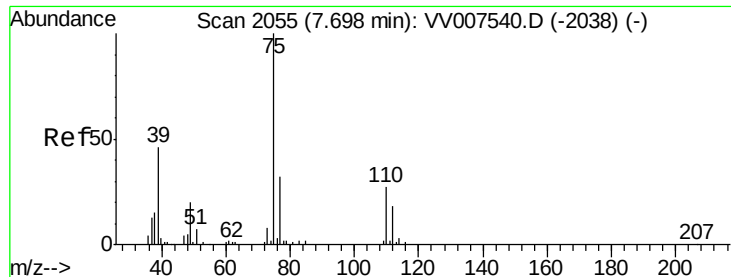


#39  
 cis-1,3-Dichloropropene  
 Concen: 0.116 ug/L  
 RT: 7.04 min Scan# 1850  
 Delta R.T. -0.04 min  
 Lab File: VV007543.D  
 Acq: 15 Sep 2018 00:19

Tgt Ion: 75 Resp: 886  
 Ion Ratio Lower Upper  
 75 100  
 77 59.4 22.0 41.0#



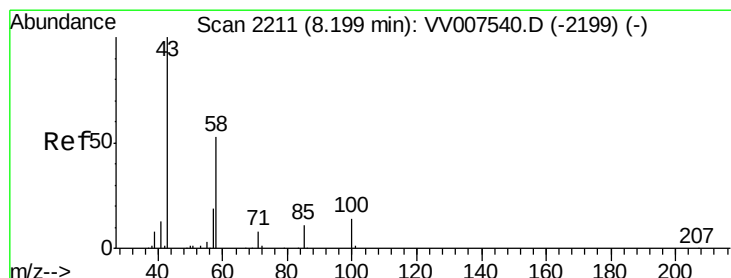
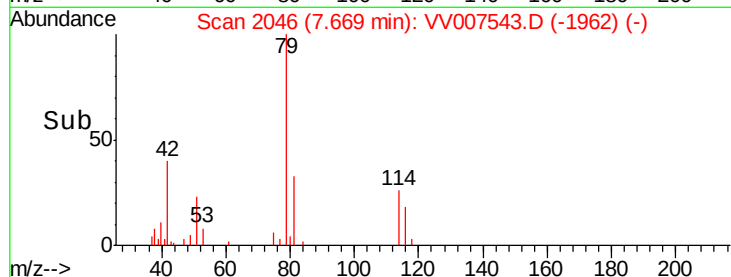
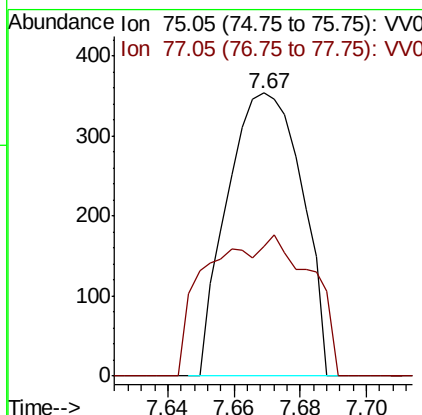
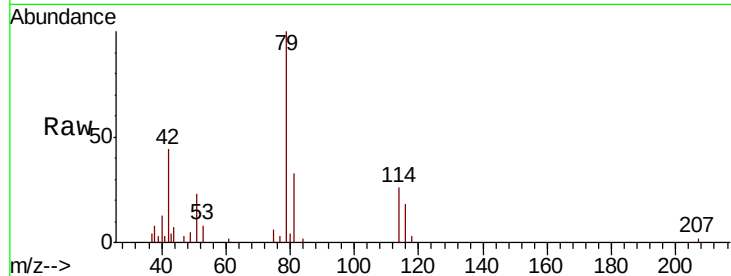




#44  
trans-1,3-Dichloropropene  
Concen: 0.087 ug/L  
RT: 7.67 min Scan# 2046  
Delta R.T. -0.03 min  
Lab File: VV007543.D  
Acq: 15 Sep 2018 00:19

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0KW5

Tgt Ion: 75 Resp: 551  
Ion Ratio Lower Upper  
75 100  
77 45.9 23.4 43.4#



#48  
2-Hexanone  
Concen: 2.411 ug/L  
RT: 8.20 min Scan# 2210  
Delta R.T. -0.00 min  
Lab File: VV007543.D  
Acq: 15 Sep 2018 00:19

Tgt Ion: 43 Resp: 4868  
Ion Ratio Lower Upper  
43 100  
58 0.0 49.8 74.6#  
57 1.4 18.2 27.4#  
100 6.5 11.0 16.4#

