

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091418\  
 Data File : VV007556.D  
 Acq On : 15 Sep 2018 06:23  
 Operator : SY/MD  
 Sample : J4872-18  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 17 05:57:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091318WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Sep 17 04:48:21 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 106712   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 91994    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 41626    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 23684    | 4.25     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 85.00%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 25213    | 5.39     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 107.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 40195    | 3.46     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.20%   |
| 20) 2-Butanone-d5              | 3.98   | 46    | 46664    | 60.02    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 120.04%  |
| 24) Chloroform-d               | 4.41   | 84    | 51435    | 4.50     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%   |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 26895    | 4.80     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.00%   |
| 32) Benzene-d6                 | 5.10   | 84    | 101199   | 4.85     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.00%   |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 30707    | 4.94     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.80%   |
| 41) Toluene-d8                 | 7.36   | 98    | 94249    | 4.34     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.80%   |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 10083    | 3.50     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 70.00%   |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 31138    | 67.76    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 135.52%# |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 19304    | 4.44     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.80%   |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 36474    | 4.79     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.80%   |

## Target Compounds

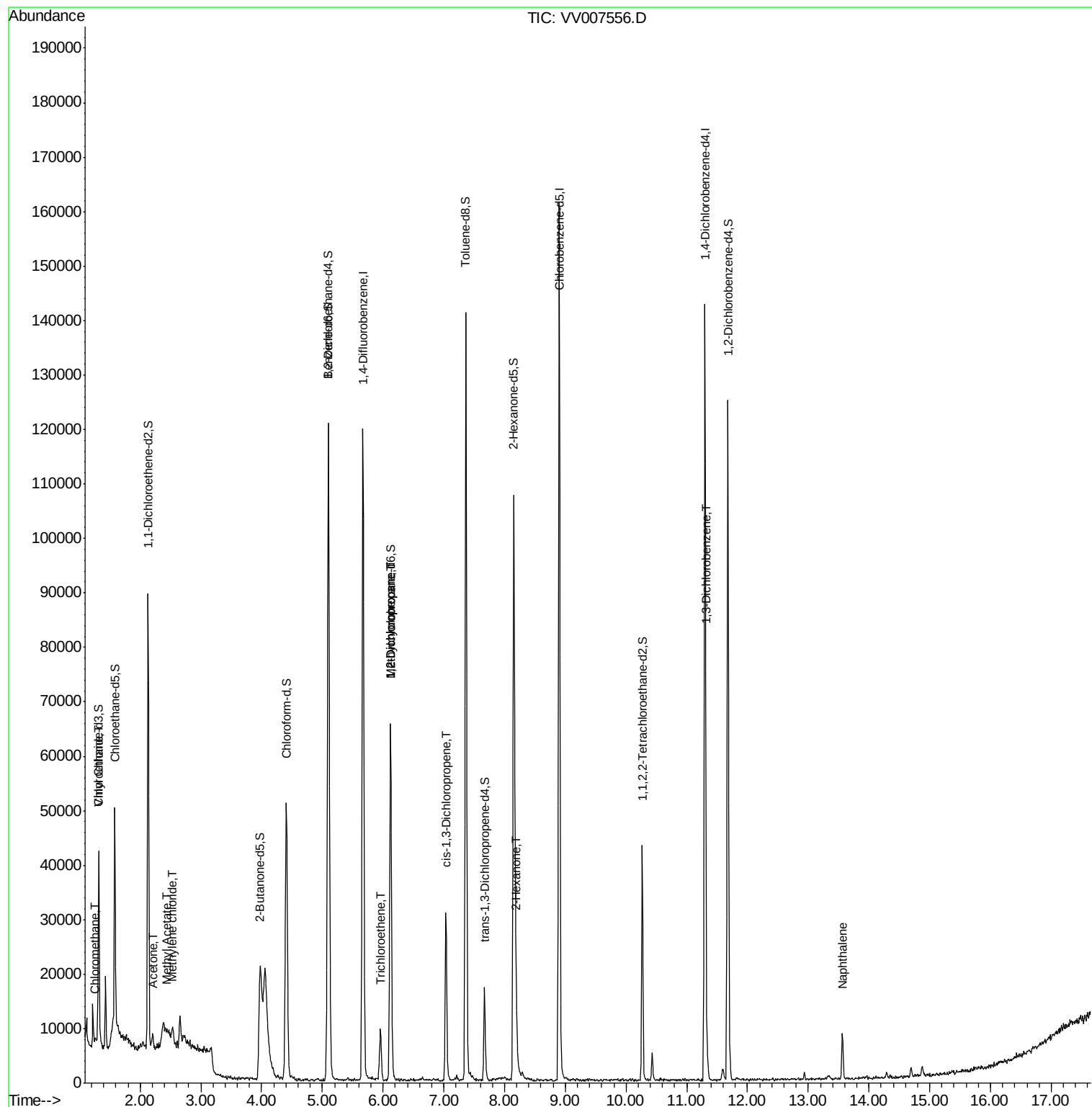
| Target Compounds            | R.T.  | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|-------|------|----------|-------|--------|--------|
| 3) Chloromethane            | 1.25  | 50   | 537      | 0.107 | ug/L   | 88     |
| 8) Chloroethane             | 1.32  | 64   | 376      | 0.110 | ug/L # | 1      |
| 13) Acetone                 | 2.21  | 43   | 832      | 1.638 | ug/L   | 78     |
| 15) Methyl Acetate          | 2.45  | 43   | 189      | 0.136 | ug/L # | 43     |
| 16) Methylene chloride      | 2.54  | 84   | 1121     | 0.191 | ug/L # | 81     |
| 34) Trichloroethene         | 5.96  | 95   | 1602     | 0.275 | ug/L   | 95     |
| 35) Methylcyclohexane       | 6.12  | 83   | 7456     | 0.829 | ug/L # | 22     |
| 37) 1,2-Dichloropropane     | 6.13  | 63   | 3693     | 0.789 | ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.04  | 75   | 795      | 0.107 | ug/L # | 45     |
| 48) 2-Hexanone              | 8.20  | 43   | 5304     | 2.703 | ug/L # | 36     |
| 62) 1,3-Dichlorobenzene     | 11.32 | 146  | 794      | 0.076 | ug/L   | 85     |
| 69) Naphthalene             | 13.56 | 128  | 7379     | 1.031 | ug/L   | 98     |

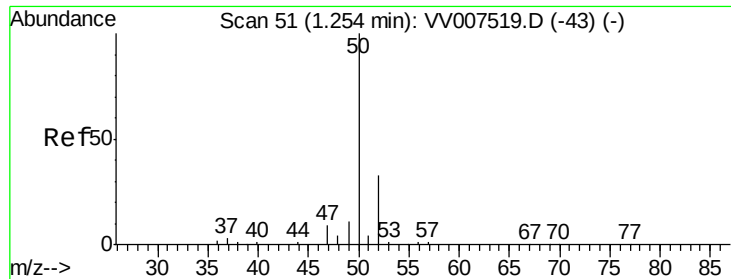
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 29 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Sep 17 05:57:13 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091318WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Sep 17 04:48:21 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.107 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007556.D

Acq: 15 Sep 2018 06:23

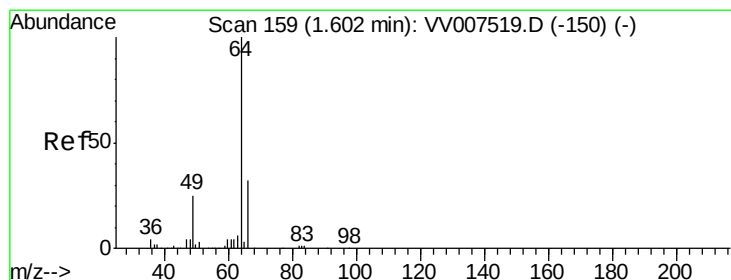
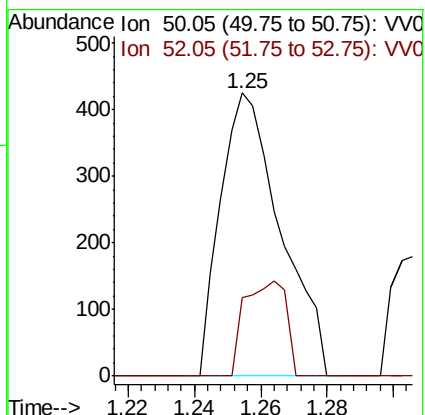
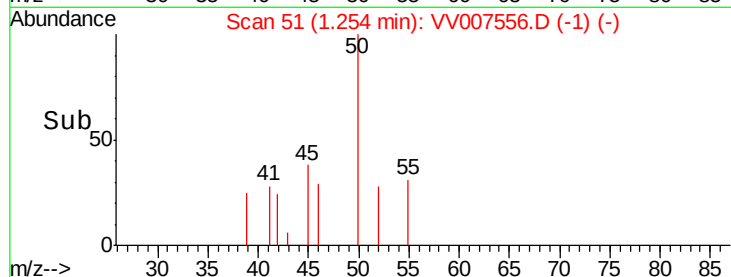
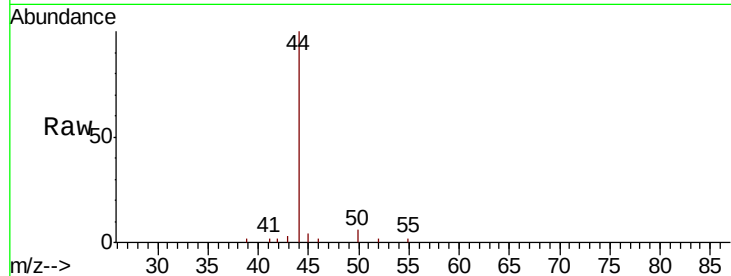
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 50 Resp: 537

Ion Ratio Lower Upper

50 100

52 27.5 24.3 45.1



#8

Chloroethane

Concen: 0.110 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.28 min

Lab File: VV007556.D

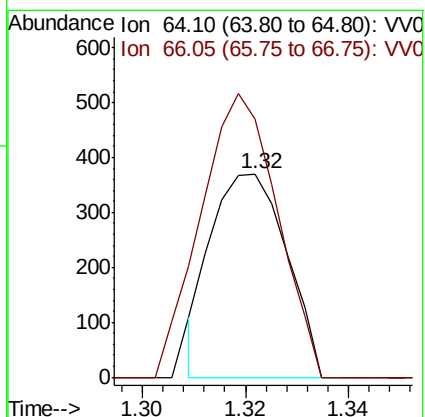
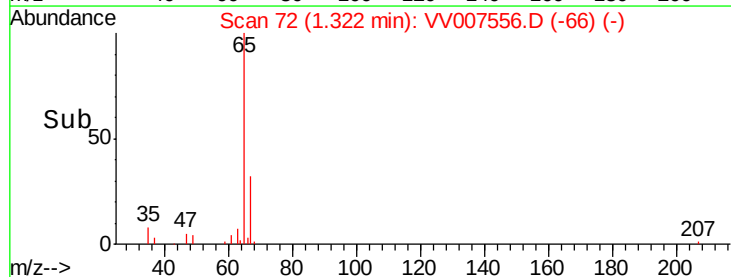
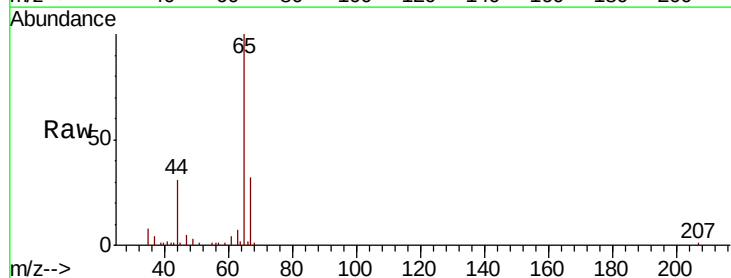
Acq: 15 Sep 2018 06:23

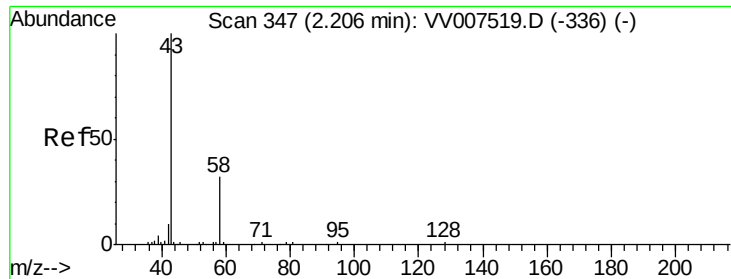
Tgt Ion: 64 Resp: 376

Ion Ratio Lower Upper

64 100

66 127.3 24.3 45.1#





#13

Acetone

Concen: 1.638 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV007556.D

Acq: 15 Sep 2018 06:23

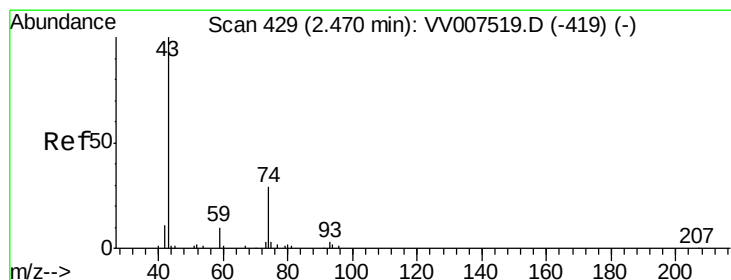
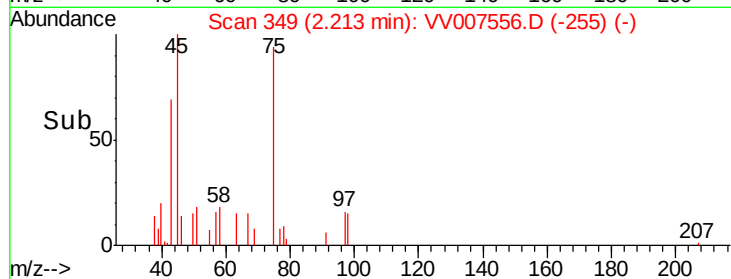
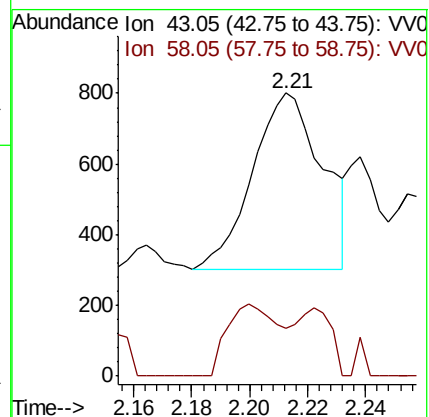
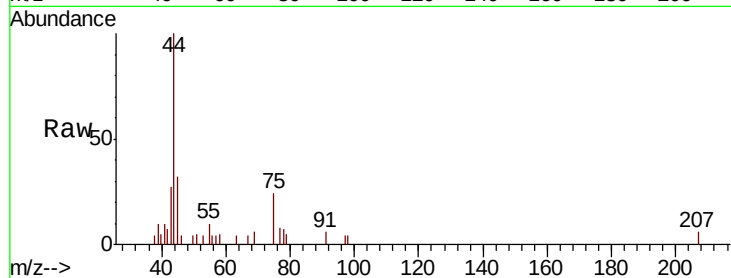
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 43 Resp: 832

Ion Ratio Lower Upper

43 100

58 19.2 0.0 63.4



#15

Methyl Acetate

Concen: 0.136 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.03 min

Lab File: VV007556.D

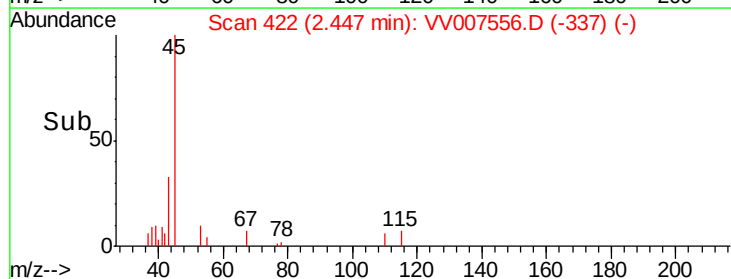
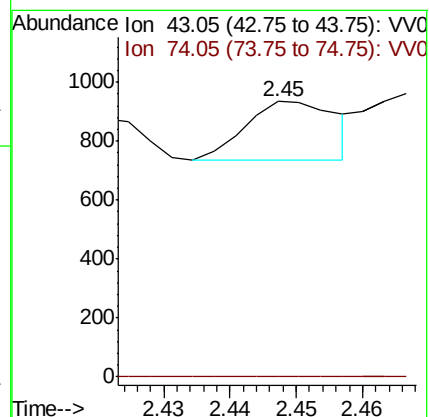
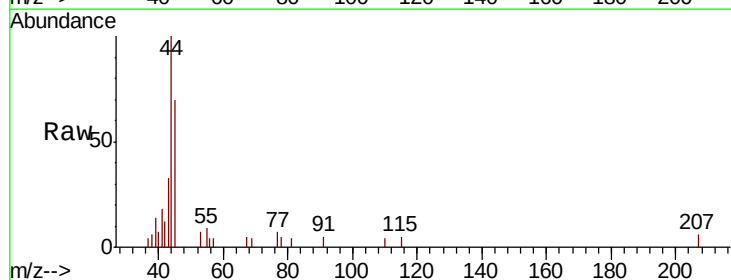
Acq: 15 Sep 2018 06:23

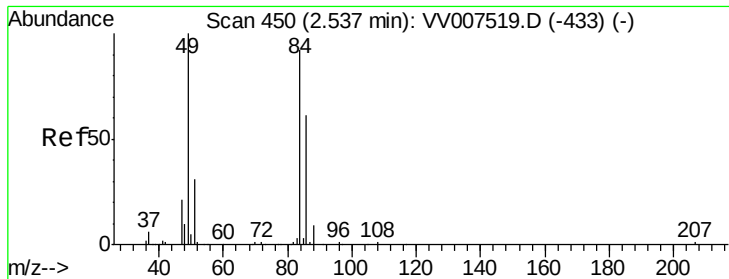
Tgt Ion: 43 Resp: 189

Ion Ratio Lower Upper

43 100

74 0.0 25.4 38.2#

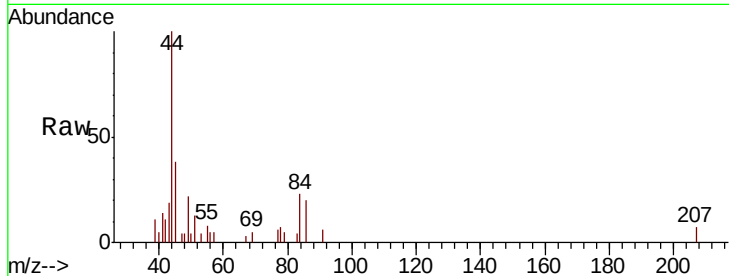




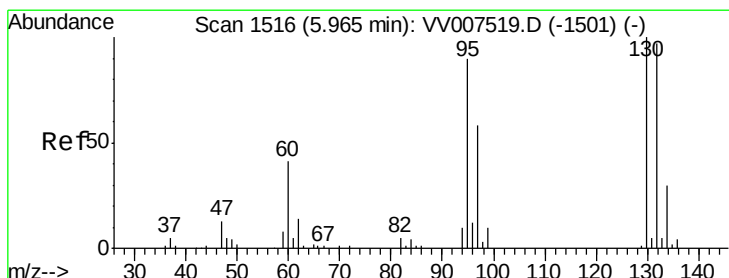
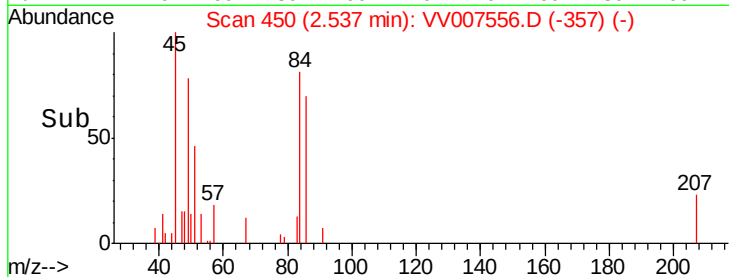
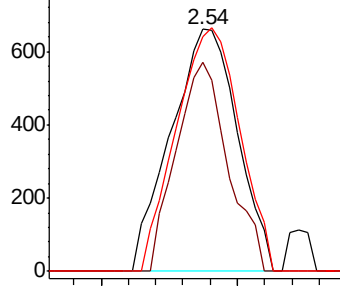
#16  
Methvlene chloride  
Concen: 0.191 ug/L  
RT: 2.54 min Scan# 450  
Delta R.T. 0.00 min  
Lab File: VV007556.D  
Acq: 15 Sep 2018 06:23

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 84 Resp: 1121  
Ion Ratio Lower Upper  
84 100  
86 86.5 43.7 81.1#  
49 96.8 76.8 142.6

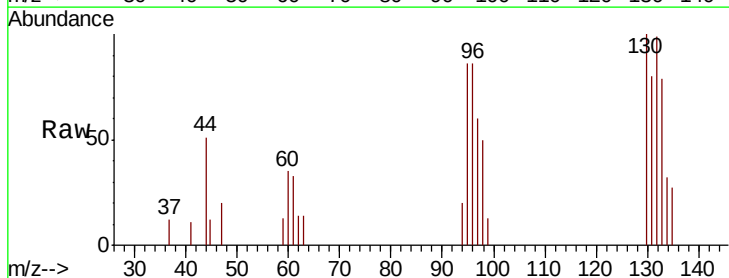


Abundance Ion 84.05 (83.75 to 84.75): VV0  
Ion 86.00 (85.70 to 86.70): VV0  
Ion 49.10 (48.80 to 49.80): VV0

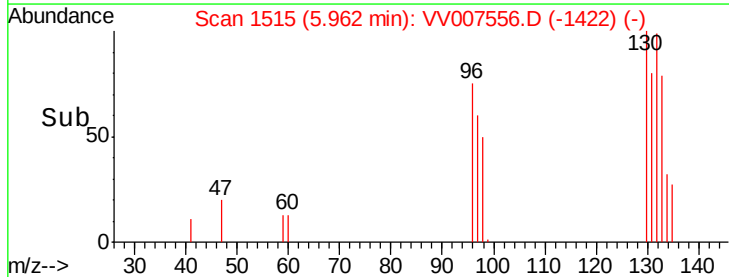
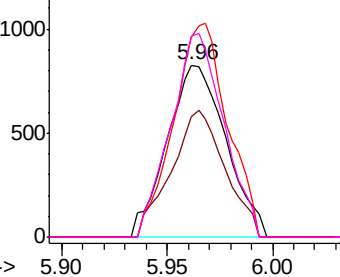


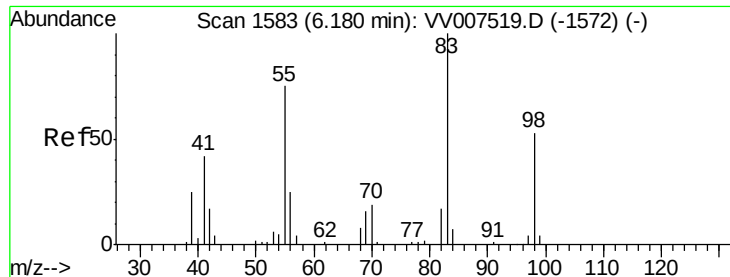
#34  
Trichloroethene  
Concen: 0.275 ug/L  
RT: 5.96 min Scan# 1515  
Delta R.T. 0.00 min  
Lab File: VV007556.D  
Acq: 15 Sep 2018 06:23

Tgt Ion: 95 Resp: 1602  
Ion Ratio Lower Upper  
95 100  
97 69.8 45.5 84.5  
132 115.8 74.9 139.1  
130 116.7 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

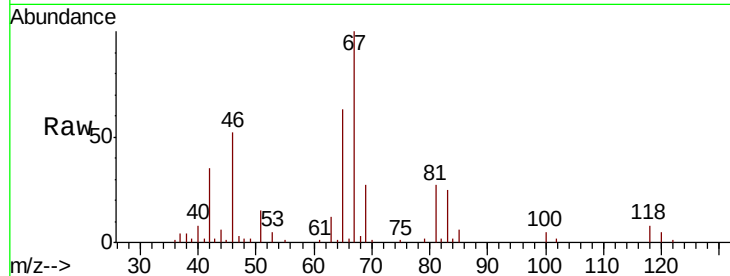




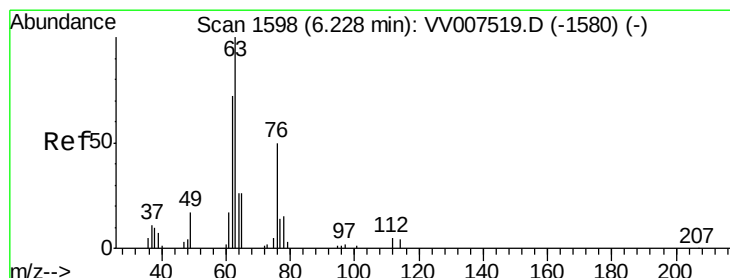
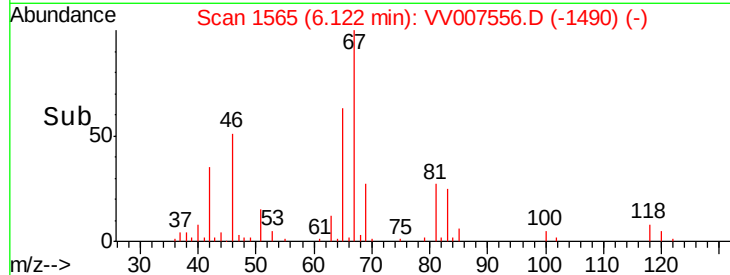
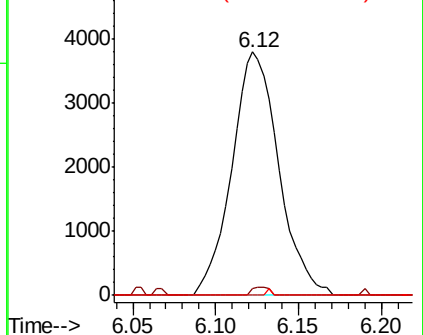
#35  
Methylcyclohexane  
Concen: 0.829 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.06 min  
Lab File: VV007556.D  
Acq: 15 Sep 2018 06:23

Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 83 Resp: 7456  
Ion Ratio Lower Upper  
83 100  
55 1.3 55.0 82.4#  
98 0.0 37.6 56.4#

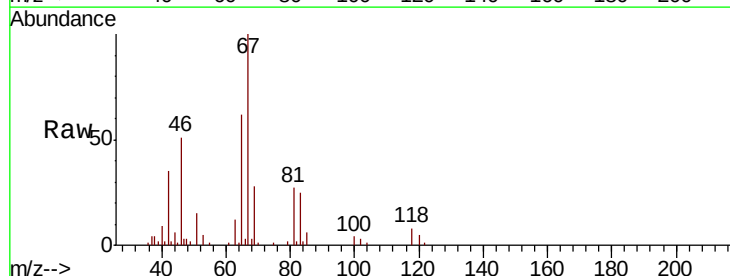


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

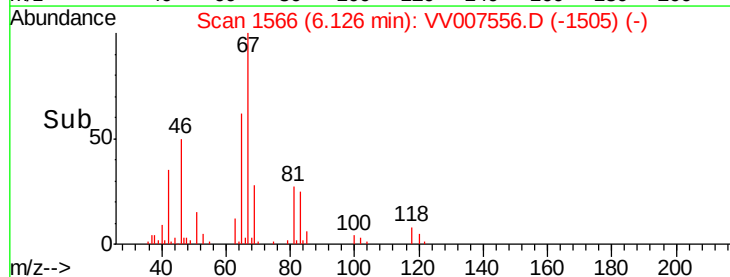
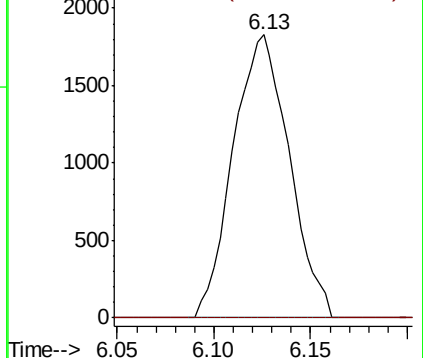


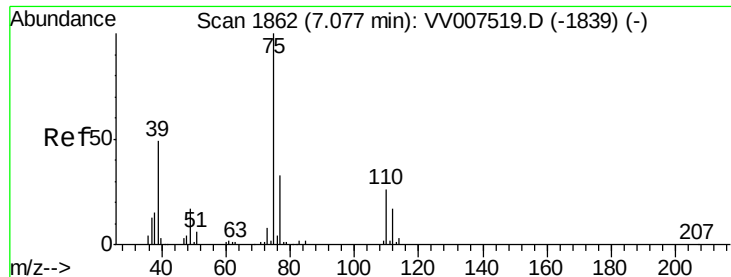
#37  
1,2-Dichloropropane  
Concen: 0.789 ug/L  
RT: 6.13 min Scan# 1566  
Delta R.T. -0.10 min  
Lab File: VV007556.D  
Acq: 15 Sep 2018 06:23

Tgt Ion: 63 Resp: 3693  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V



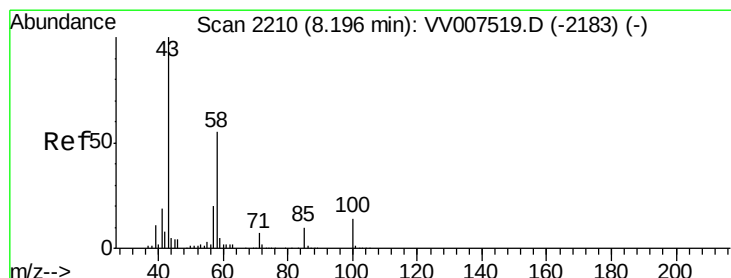
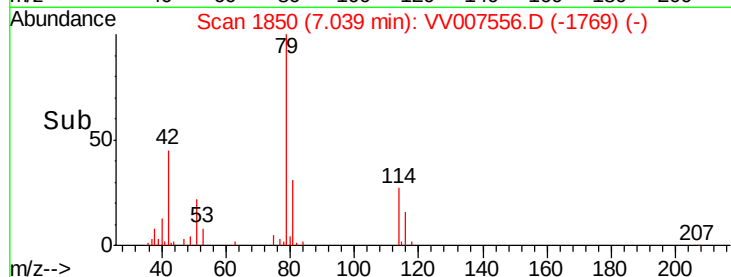
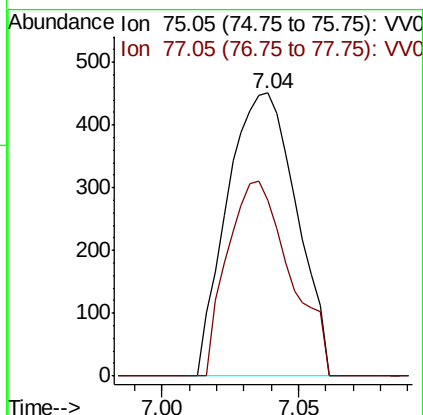
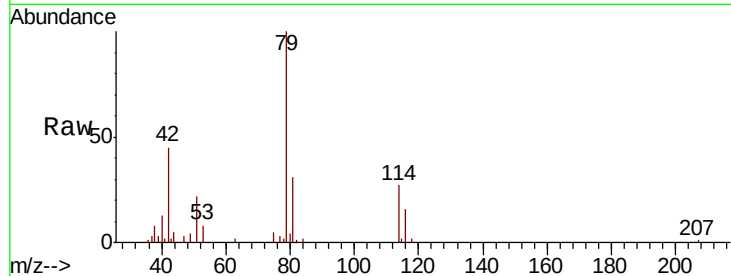


#39

cis-1,3-Dichloropropene  
 Concen: 0.107 ug/L  
 RT: 7.04 min Scan# 1850  
 Delta R.T. -0.04 min  
 Lab File: VV007556.D  
 Acq: 15 Sep 2018 06:23

Instrument :  
 MSVOA\_V  
 ClientSampleId :

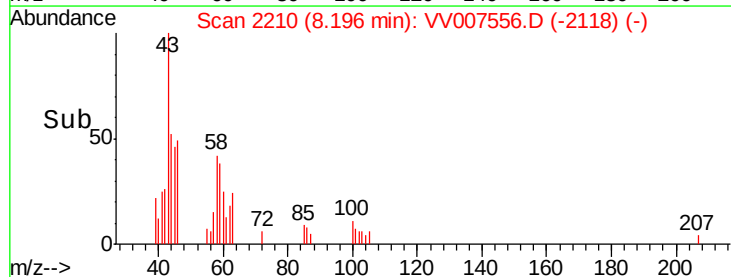
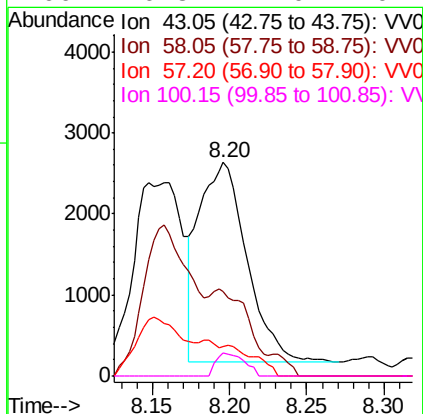
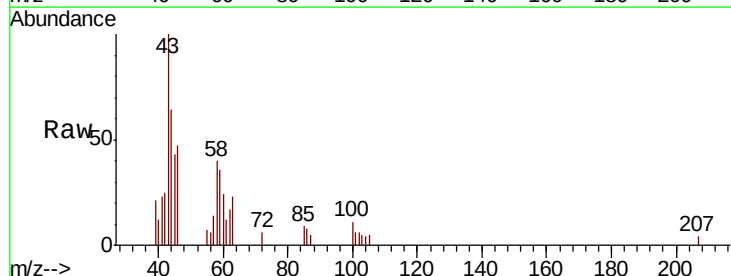
Tot Ion: 75 Resp: 795  
 Ion Ratio Lower Upper  
 75 100  
 77 62.1 22.0 41.0#

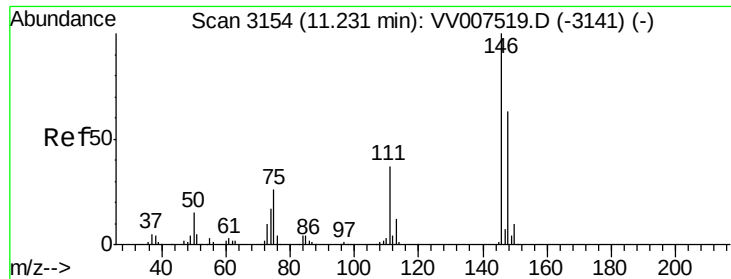


#48

2-Hexanone  
 Concen: 2.703 ug/L  
 RT: 8.20 min Scan# 2210  
 Delta R.T. -0.00 min  
 Lab File: VV007556.D  
 Acq: 15 Sep 2018 06:23

Tgt Ion: 43 Resp: 5304  
 Ion Ratio Lower Upper  
 43 100  
 58 0.0 49.8 74.6#  
 57 0.0 18.2 27.4#  
 100 6.8 11.0 16.4#

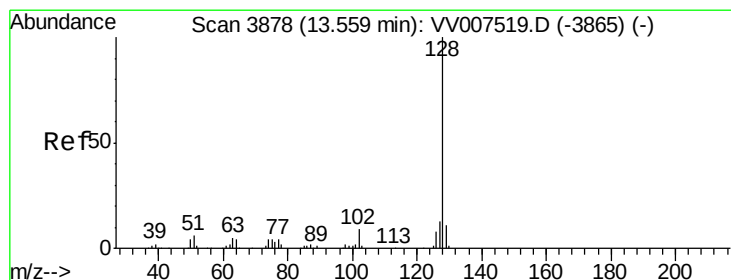
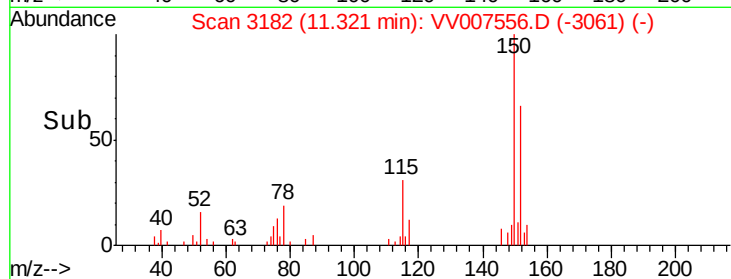
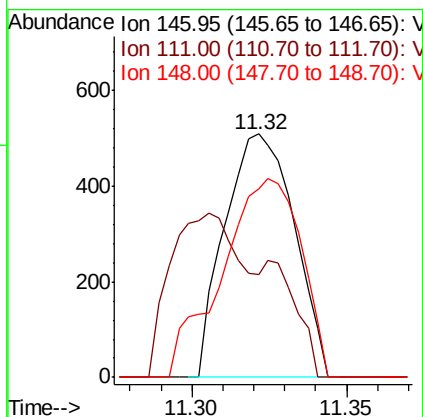
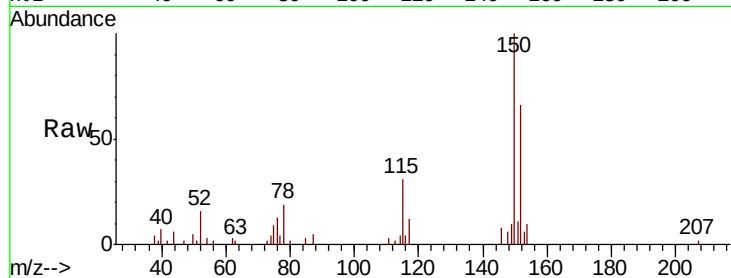




#62  
 1,3-Dichlorobenzene  
 Concen: 0.076 ug/L  
 RT: 11.32 min Scan# 3182  
 Delta R.T. 0.09 min  
 Lab File: VV007556.D  
 Acq: 15 Sep 2018 06:23

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion:146 Resp: 794  
 Ion Ratio Lower Upper  
 146 100  
 111 42.4 25.3 47.1  
 148 77.6 44.6 82.8



#69  
 Naphthalene  
 Concen: 1.031 ug/L  
 RT: 13.56 min Scan# 3879  
 Delta R.T. 0.00 min  
 Lab File: VV007556.D  
 Acq: 15 Sep 2018 06:23

Tgt Ion:128 Resp: 7379  
 Ion Ratio Lower Upper  
 128 100  
 129 10.3 8.5 12.7  
 127 14.1 10.5 15.7

