

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091418\  
 Data File : VV007558.D  
 Acq On : 15 Sep 2018 07:19  
 Operator : SY/MD  
 Sample : J4872-20  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 31 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 17 05:57:34 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  | 106706   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 88178    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 38442    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 21623    | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.60%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 22717    | 4.86     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 39172    | 3.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 67.60%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 43574    | 56.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 112.10% |
| 24) Chloroform-d               | 4.41   | 84    | 49874    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 26661    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.20%  |
| 32) Benzene-d6                 | 5.10   | 84    | 96692    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 30017    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.60% |
| 41) Toluene-d8                 | 7.36   | 98    | 90513    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.00%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 9852     | 3.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 71.40%  |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 26826    | 60.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 121.80% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 19257    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 32860    | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 93.40%  |

## Target Compounds

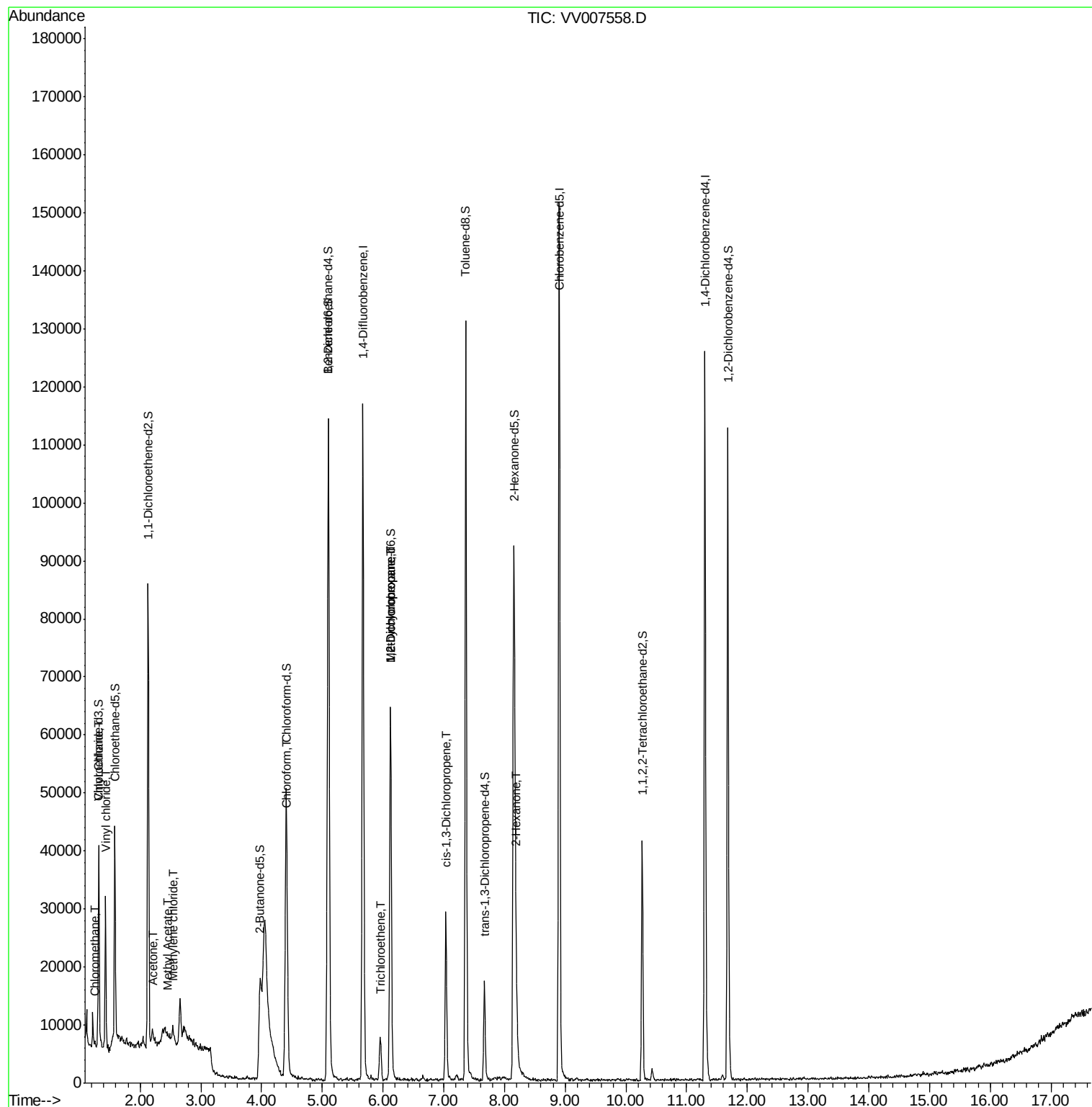
| Target Compounds            | R.T. | QIon | Response | Conc  | Units  | Ovalue |
|-----------------------------|------|------|----------|-------|--------|--------|
| 3) Chloromethane            | 1.25 | 50   | 682      | 0.136 | ug/L   | 90     |
| 5) Vinyl chloride           | 1.43 | 62   | 489      | 0.087 | ug/L # | 40     |
| 8) Chloroethane             | 1.32 | 64   | 303      | 0.089 | ug/L # | 1      |
| 13) Acetone                 | 2.21 | 43   | 1693     | 3.334 | ug/L   | 50     |
| 15) Methyl Acetate          | 2.47 | 43   | 282      | 0.203 | ug/L # | 43     |
| 16) Methylene chloride      | 2.53 | 84   | 1133     | 0.194 | ug/L   | 97     |
| 25) Chloroform              | 4.43 | 83   | 2196     | 0.224 | ug/L   | 95     |
| 34) Trichloroethene         | 5.96 | 95   | 1161     | 0.208 | ug/L   | 93     |
| 35) Methylcyclohexane       | 6.13 | 83   | 7796     | 0.904 | ug/L # | 22     |
| 37) 1,2-Dichloropropane     | 6.12 | 63   | 3528     | 0.786 | ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75   | 767      | 0.108 | ug/L # | 52     |
| 48) 2-Hexanone              | 8.20 | 43   | 7019     | 3.732 | ug/L # | 77     |

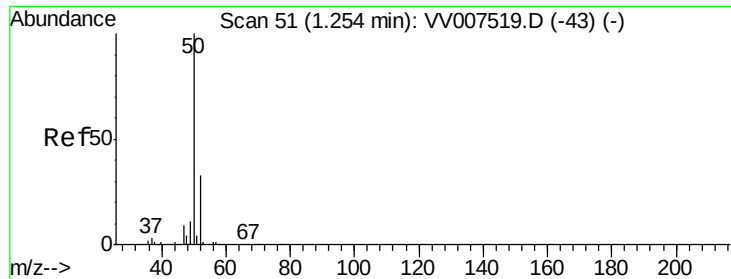
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
ClientSampleId :

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Mon Sep 17 04:48:21 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.136 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007558.D

Acq: 15 Sep 2018 07:19

Instrument :

MSVOA\_V

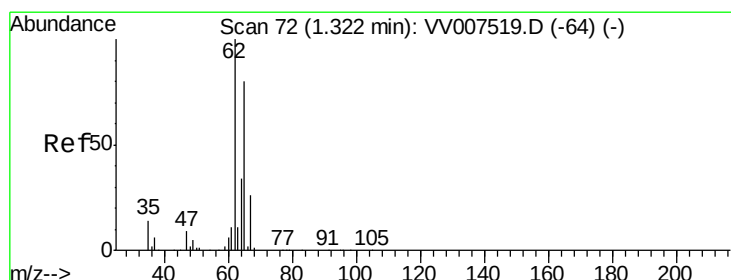
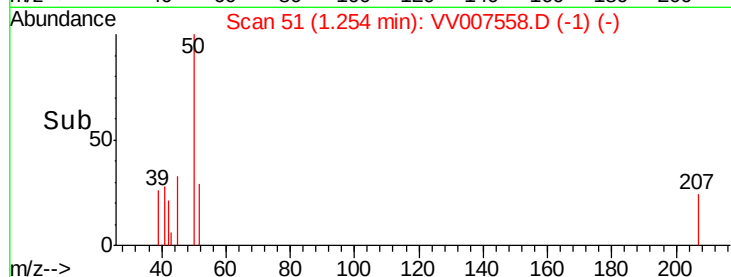
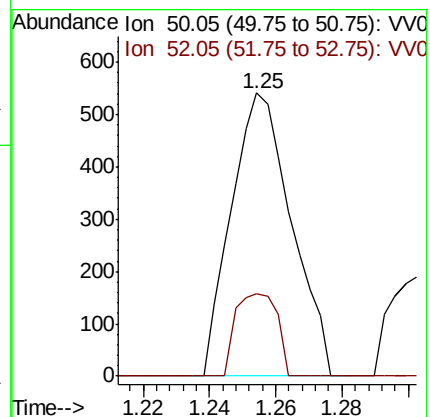
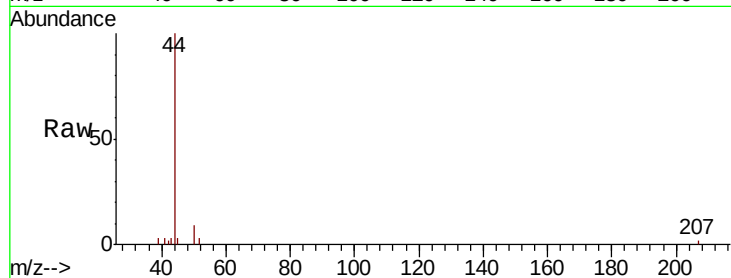
ClientSampled :

Tot Ion: 50 Resp: 682

Ion Ratio Lower Upper

50 100

52 29.0 24.3 45.1



#5

Vinyl chloride

Concen: 0.087 ug/L

RT: 1.43 min Scan# 105

Delta R.T. 0.11 min

Lab File: VV007558.D

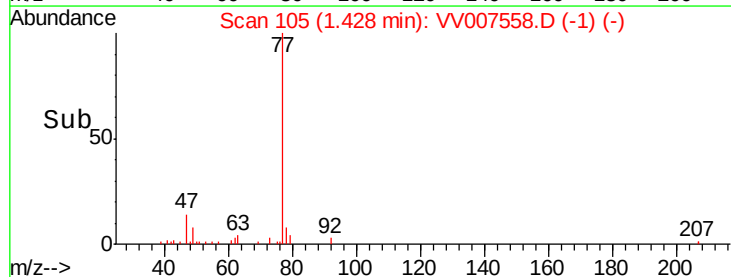
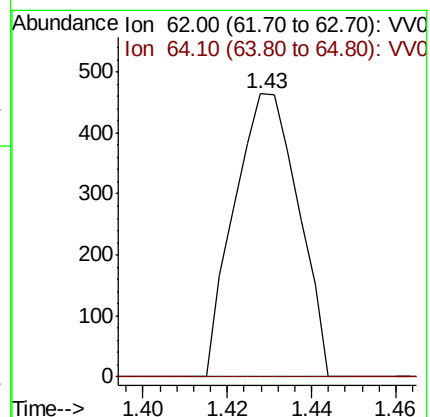
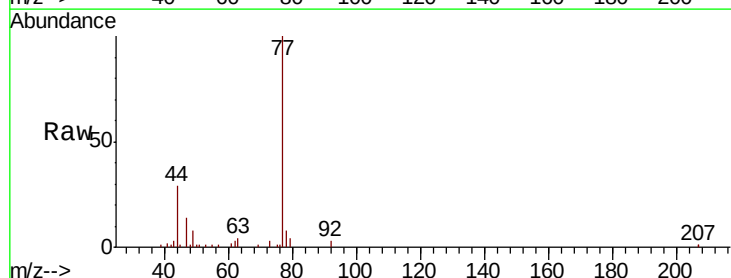
Acq: 15 Sep 2018 07:19

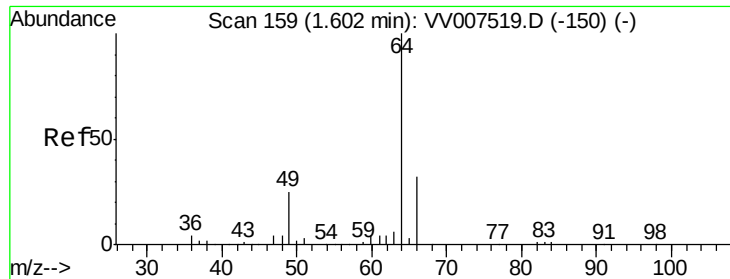
Tgt Ion: 62 Resp: 489

Ion Ratio Lower Upper

62 100

64 0.0 24.4 45.2#

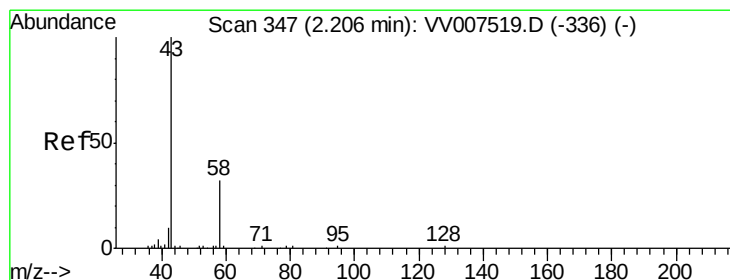
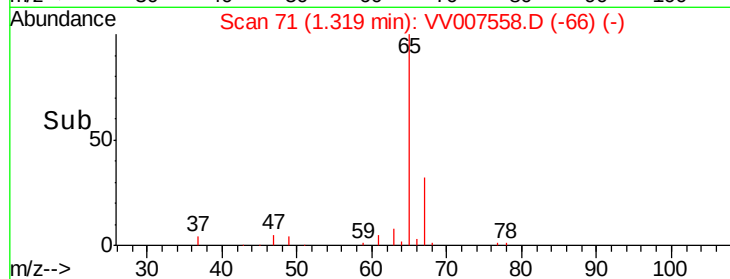
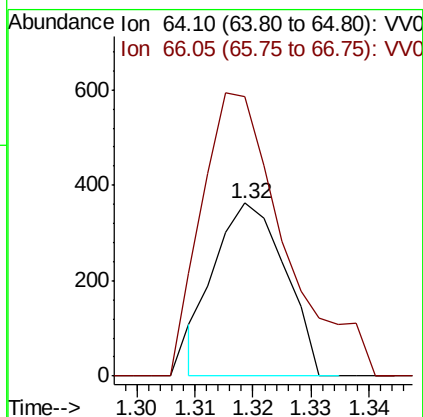
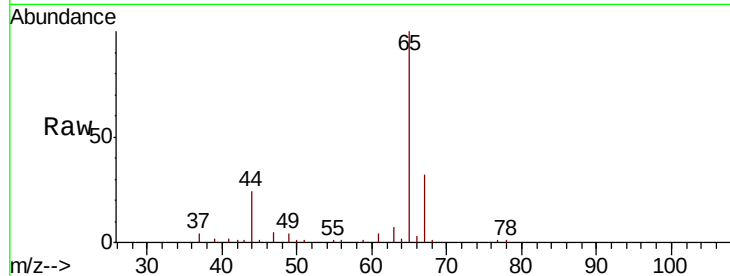




#8  
Chloroethane  
Concen: 0.089 ug/L  
RT: 1.32 min Scan# 71  
Delta R.T. -0.28 min  
Lab File: VV007558.D  
Acq: 15 Sep 2018 07:19

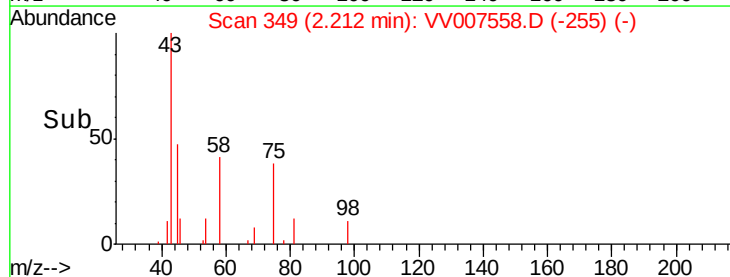
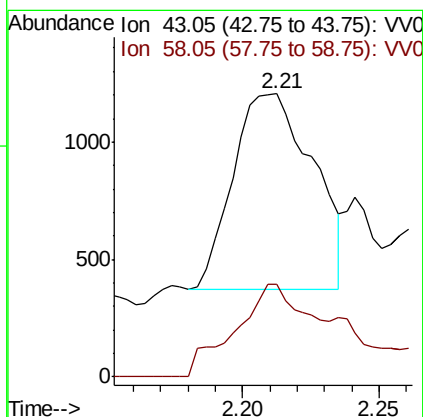
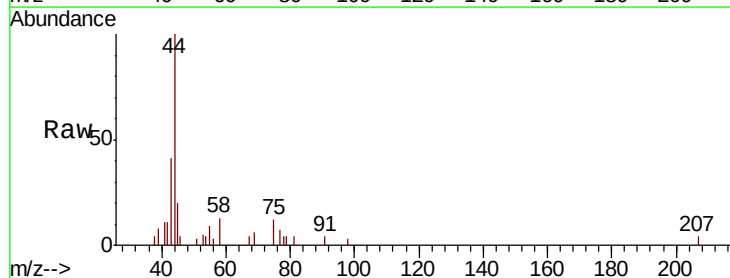
Instrument :  
MSVOA\_V  
ClientSampleId :

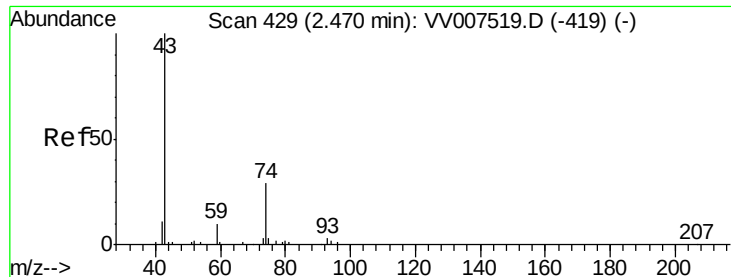
Tot Ion: 64 Resp: 303  
Ion Ratio Lower Upper  
64 100  
66 161.7 24.3 45.1#



#13  
Acetone  
Concen: 3.334 ug/L  
RT: 2.21 min Scan# 349  
Delta R.T. 0.00 min  
Lab File: VV007558.D  
Acq: 15 Sep 2018 07:19

Tgt Ion: 43 Resp: 1693  
Ion Ratio Lower Upper  
43 100  
58 59.7 0.0 63.4

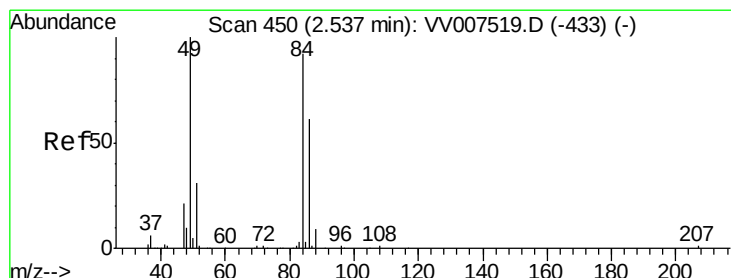
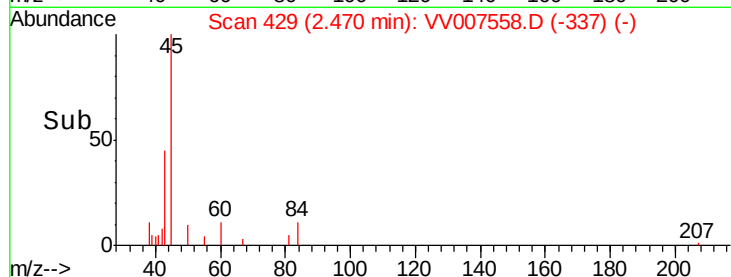
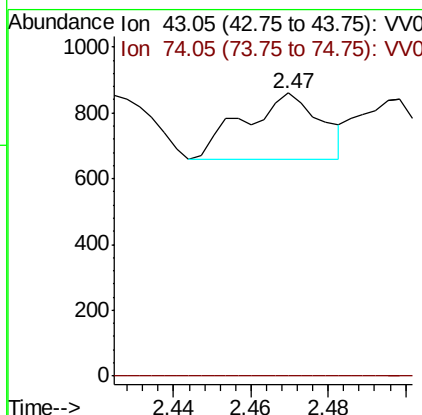
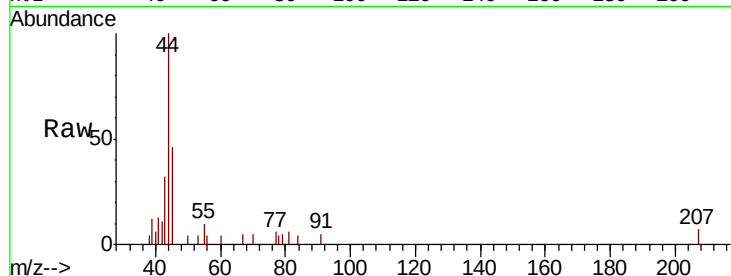




#15  
Methyl Acetate  
Concen: 0.203 ug/L  
RT: 2.47 min Scan# 429  
Delta R.T. -0.00 min  
Lab File: VV007558.D  
Acq: 15 Sep 2018 07:19

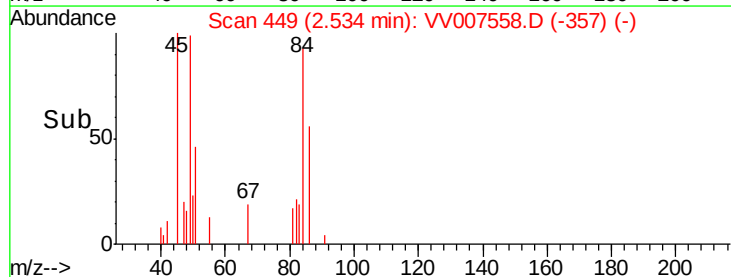
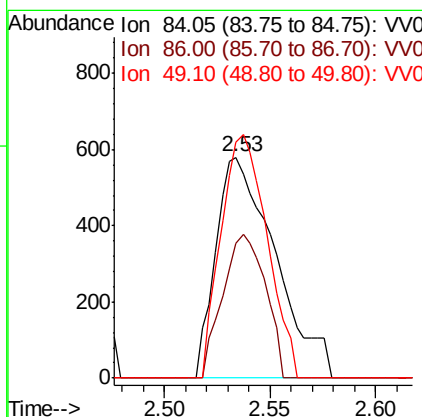
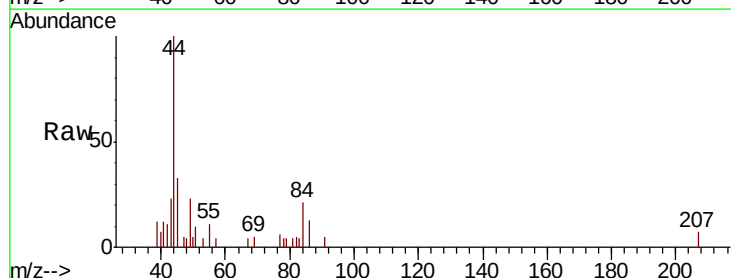
Instrument :  
MSVOA\_V  
ClientSampleId :

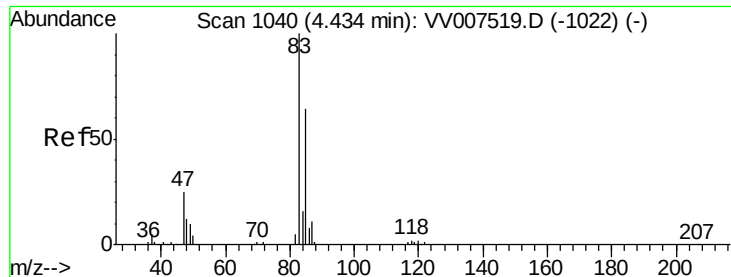
Tot Ion: 43 Resp: 282  
Ion Ratio Lower Upper  
43 100  
74 0.0 25.4 38.2#



#16  
Methylene chloride  
Concen: 0.194 ug/L  
RT: 2.53 min Scan# 449  
Delta R.T. -0.00 min  
Lab File: VV007558.D  
Acq: 15 Sep 2018 07:19

Tgt Ion: 84 Resp: 1133  
Ion Ratio Lower Upper  
84 100  
86 61.0 43.7 81.1  
49 106.6 76.8 142.6

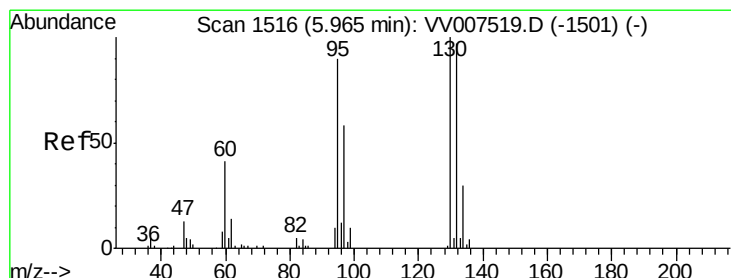
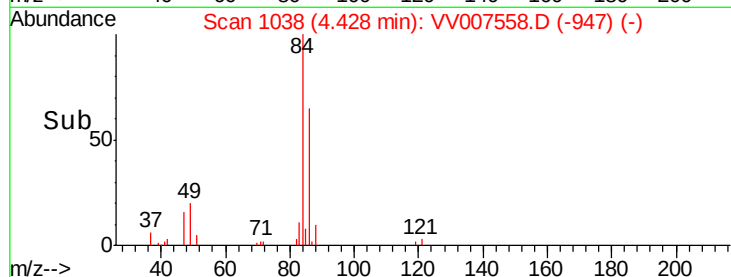
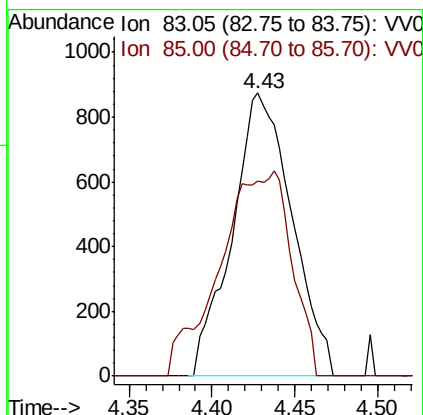
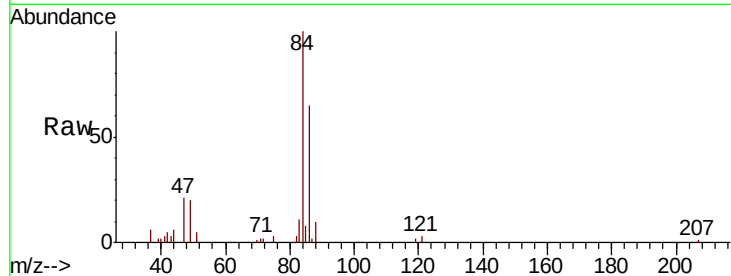




#25  
Chloroform  
Concen: 0.224 ug/L  
RT: 4.43 min Scan# 1038  
Delta R.T. -0.01 min  
Lab File: VV007558.D  
Acq: 15 Sep 2018 07:19

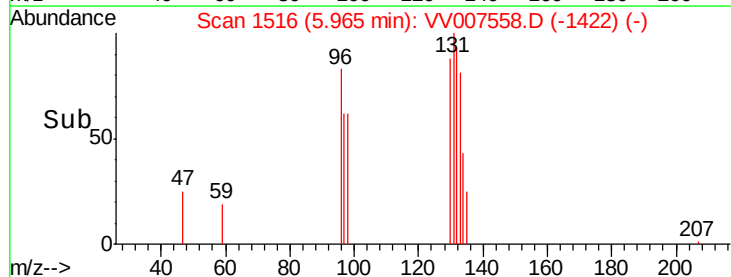
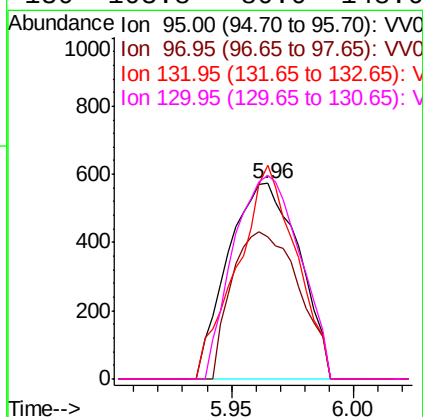
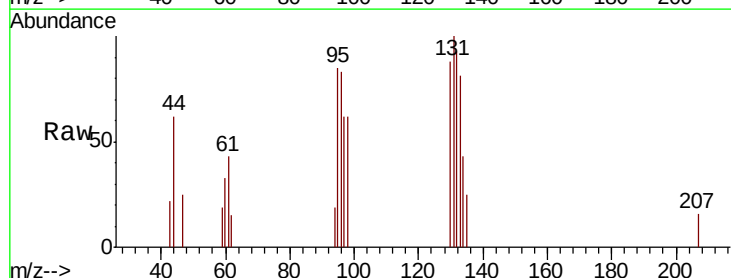
Instrument :  
MSVOA\_V  
ClientSampleId :

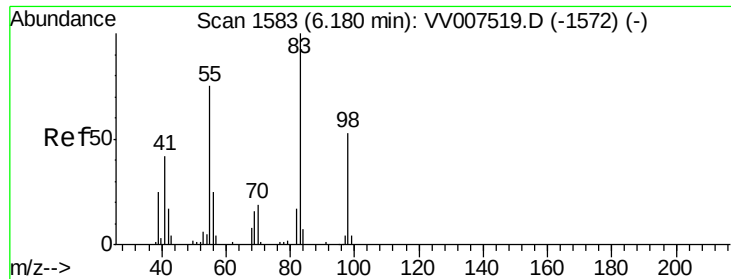
Tot Ion: 83 Resp: 2196  
Ion Ratio Lower Upper  
83 100  
85 69.0 45.5 84.5



#34  
Trichloroethene  
Concen: 0.208 ug/L  
RT: 5.96 min Scan# 1516  
Delta R.T. 0.00 min  
Lab File: VV007558.D  
Acq: 15 Sep 2018 07:19

Tgt Ion: 95 Resp: 1161  
Ion Ratio Lower Upper  
95 100  
97 72.3 45.5 84.5  
132 109.1 74.9 139.1  
130 103.8 80.0 148.6

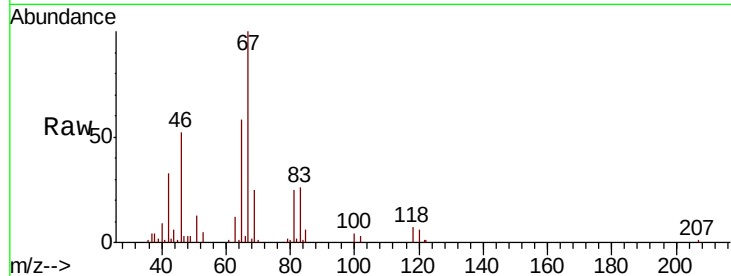




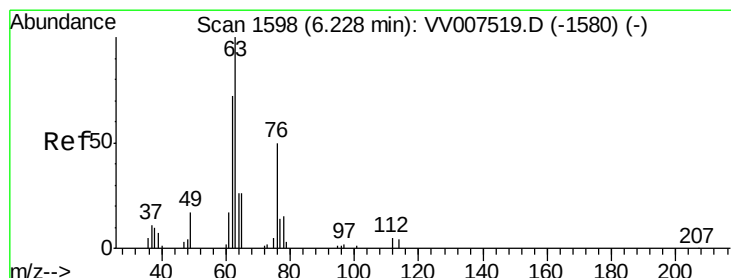
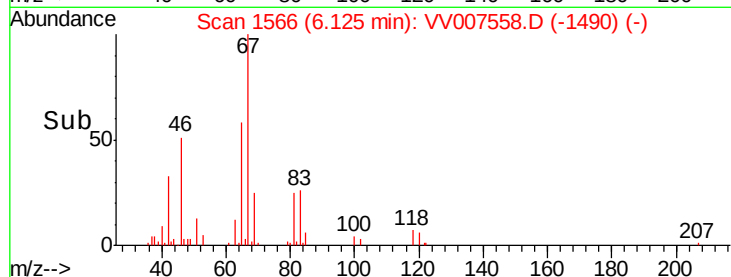
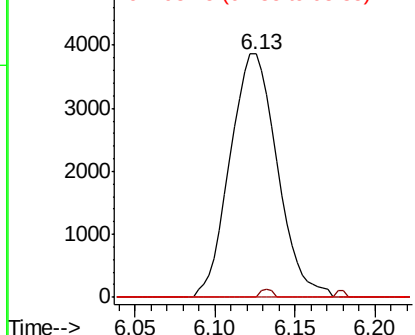
#35  
Methylvlcyclohexane  
Concen: 0.904 ug/L  
RT: 6.13 min Scan# 1566  
Delta R.T. -0.05 min  
Lab File: VV007558.D  
Acq: 15 Sep 2018 07:19

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 83 Resp: 7796  
Ion Ratio Lower Upper  
83 100  
55 0.9 55.0 82.4#  
98 0.0 37.6 56.4#

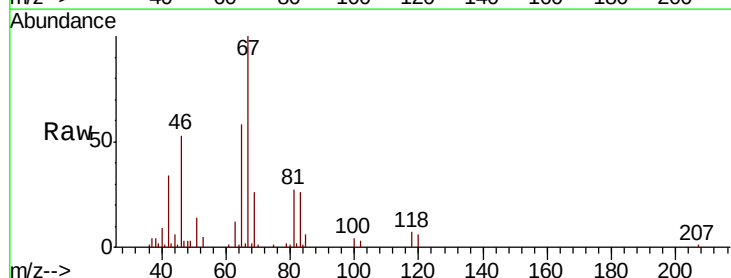


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

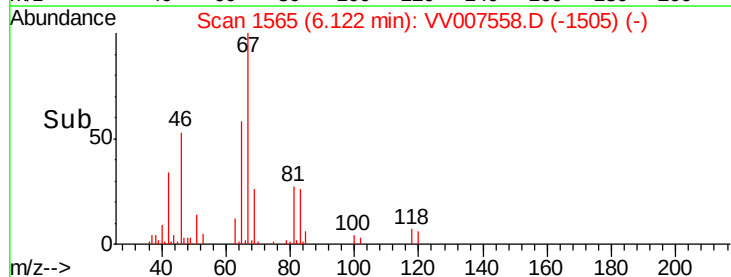
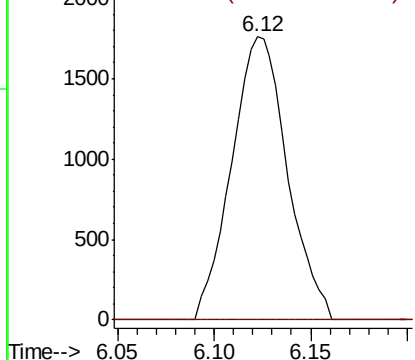


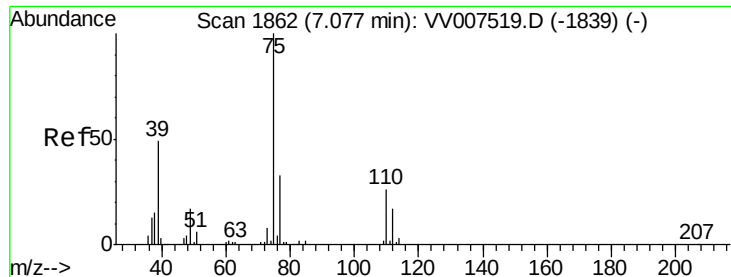
#37  
1,2-Dichloropropane  
Concen: 0.786 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.11 min  
Lab File: VV007558.D  
Acq: 15 Sep 2018 07:19

Tgt Ion: 63 Resp: 3528  
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: 0.108 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV007558.D

Acq: 15 Sep 2018 07:19

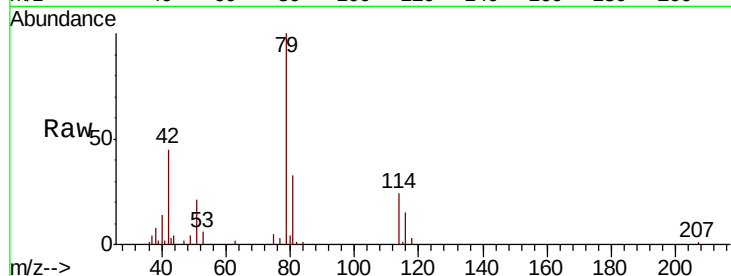
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 75 Resp: 767

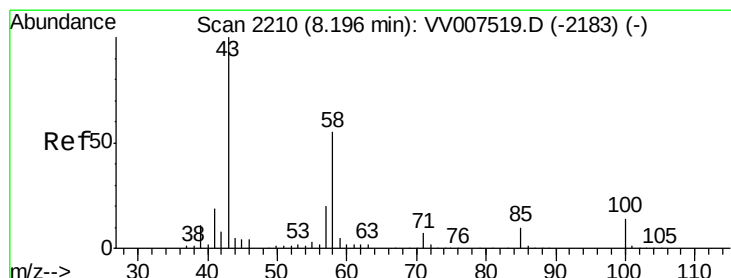
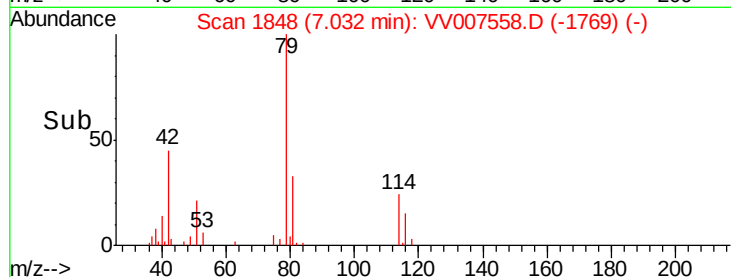
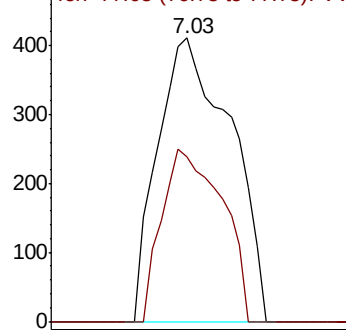
Ion Ratio Lower Upper

75 100

77 58.2 22.0 41.0#



Abundance Ion 75.05 (74.75 to 75.75): VV0  
Ion 77.05 (76.75 to 77.75): VV0



#48

2-Hexanone

Concen: 3.732 ug/L

RT: 8.20 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VV007558.D

Acq: 15 Sep 2018 07:19

Tgt Ion: 43 Resp: 7019

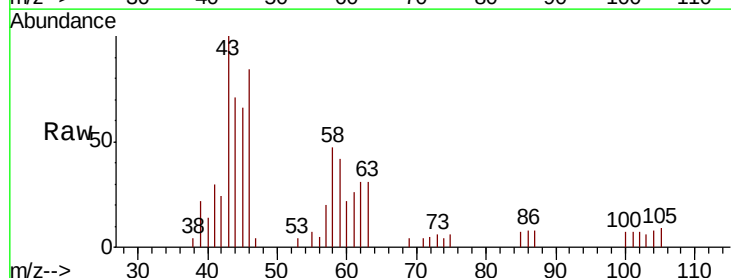
Ion Ratio Lower Upper

43 100

58 41.8 49.8 74.6#

57 16.9 18.2 27.4#

100 4.6 11.0 16.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 58.05 (57.75 to 58.75): VV0  
Ion 57.20 (56.90 to 57.90): VV0  
Ion 100.15 (99.85 to 100.85): VV0

