

Data File : VV008182.D  
Acq On : 09 Oct 2018 04:52  
Operator : SY/MD  
Sample : J5280-16  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BEYK3

Quant Time: Oct 09 06:43:23 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR100518WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Oct 09 04:07:48 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 84287    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 80815    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 36045    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24095    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.20%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 20215    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 36002    | 3.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 71.00%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 63013    | 50.62    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 101.24% |
| 24) Chloroform-d               | 4.41   | 84    | 51382    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 26022    | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 97.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 98222    | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 31114    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 86981    | 4.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 9415     | 4.13     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 36260    | 39.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 79.80%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 21521    | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 33843    | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.00%  |

#### Target Compounds

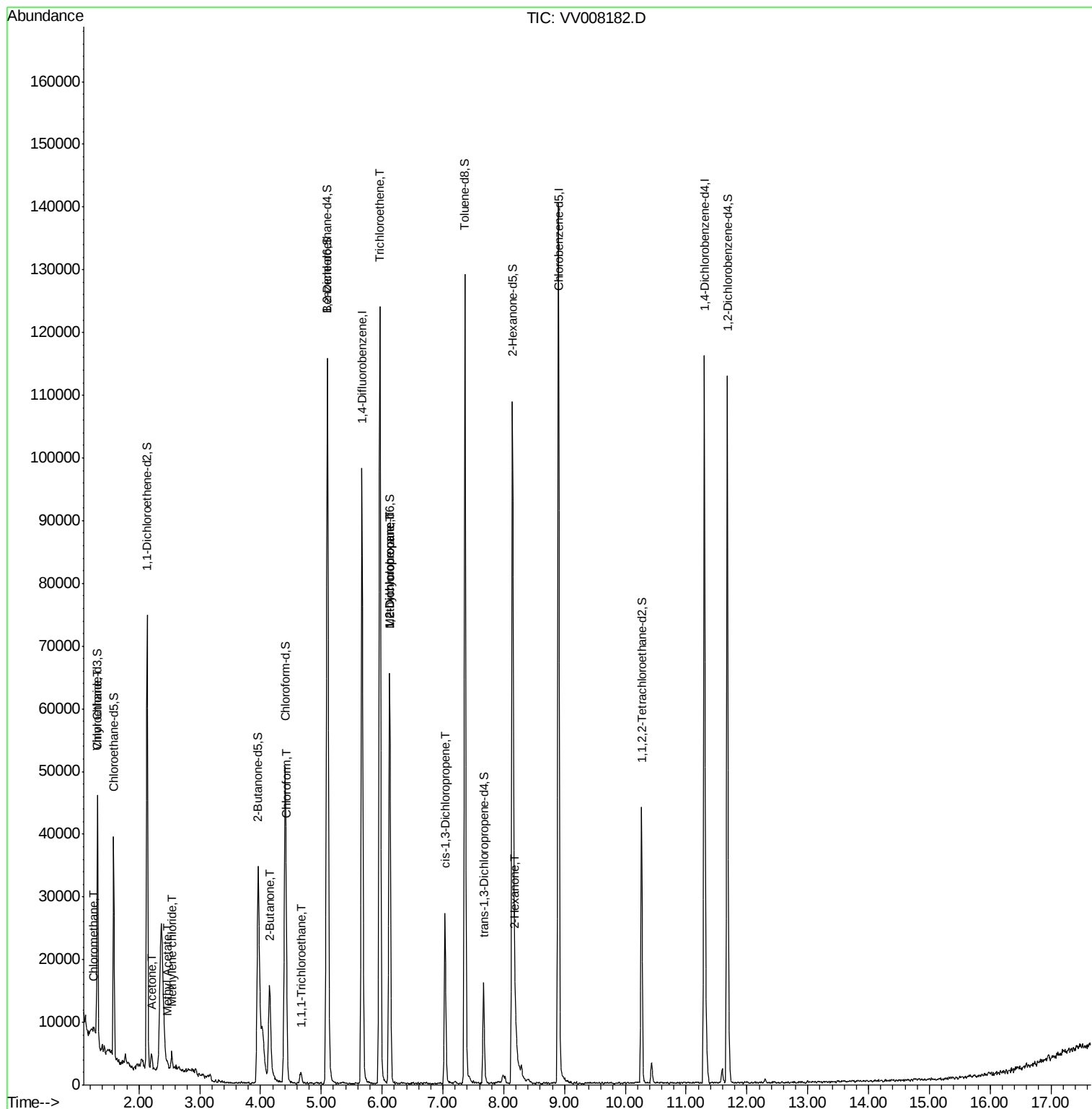
|                             |      |    |       |               | Qvalue |
|-----------------------------|------|----|-------|---------------|--------|
| 3) Chloromethane            | 1.25 | 50 | 829   | 0.172 ug/L    | 92     |
| 8) Chloroethane             | 1.32 | 64 | 359   | 0.100 ug/L #  | 1      |
| 13) Acetone                 | 2.21 | 43 | 2722  | 3.228 ug/L    | 98     |
| 15) Methyl Acetate          | 2.47 | 43 | 1463  | 0.731 ug/L #  | 60     |
| 16) Methylene chloride      | 2.54 | 84 | 977   | 0.176 ug/L    | 90     |
| 21) 2-Butanone              | 4.15 | 43 | 24346 | 17.895 ug/L # | 49     |
| 25) Chloroform              | 4.43 | 83 | 1282  | 0.126 ug/L    | 98     |
| 29) 1,1,1-Trichloroethane   | 4.67 | 97 | 953   | 0.106 ug/L #  | 56     |
| 34) Trichloroethene         | 5.96 | 95 | 41185 | 6.921 ug/L    | 99     |
| 35) Methylcyclohexane       | 6.13 | 83 | 7617  | 0.916 ug/L #  | 17     |
| 37) 1,2-Dichloropropane     | 6.13 | 63 | 3585  | 0.652 ug/L #  | 87     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 654   | 0.093 ug/L #  | 62     |
| 48) 2-Hexanone              | 8.19 | 43 | 5639  | 2.664 ug/L #  | 80     |

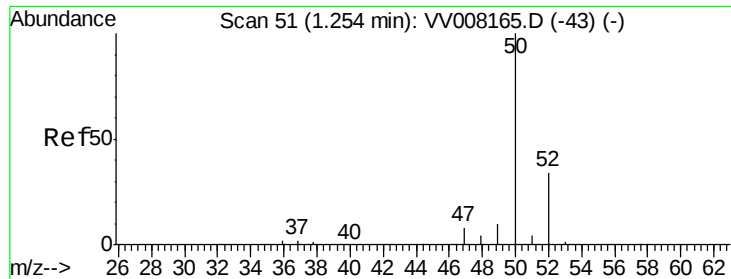
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_V  
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Quant Time: Oct 09 06:43:23 2018  
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Response via : Initial Calibration

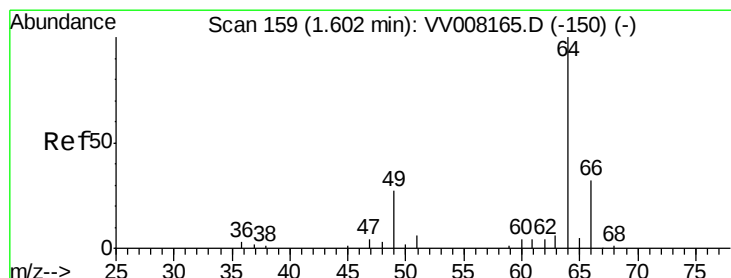
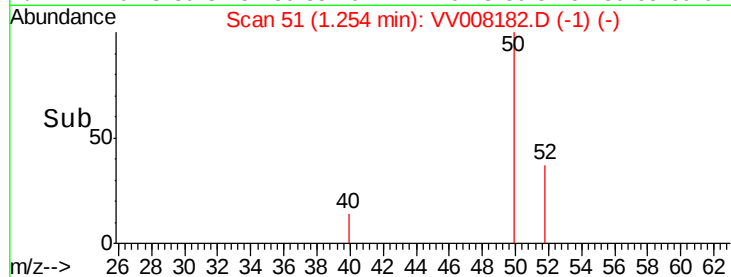
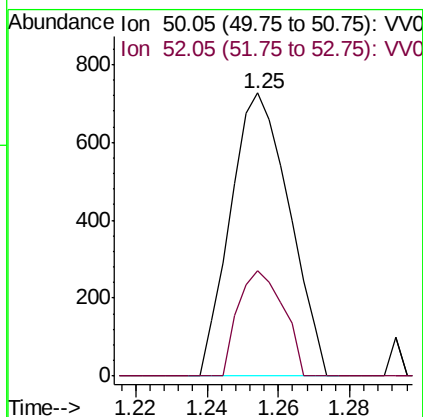
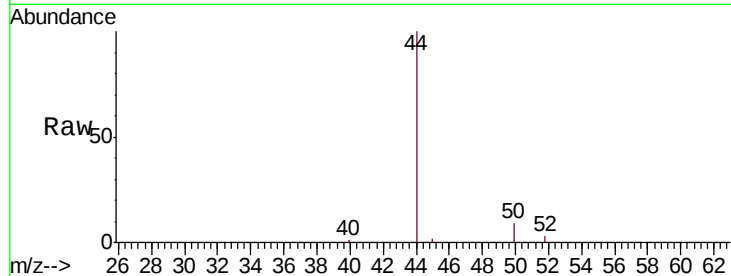




#3  
 Chloromethane  
 Concen: 0.172 ug/L  
 RT: 1.25 min Scan# 51  
 Delta R.T. -0.00 min  
 Lab File: VV008182.D  
 Acq: 09 Oct 2018 04:52

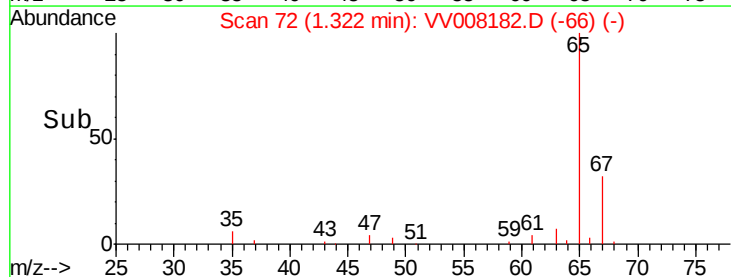
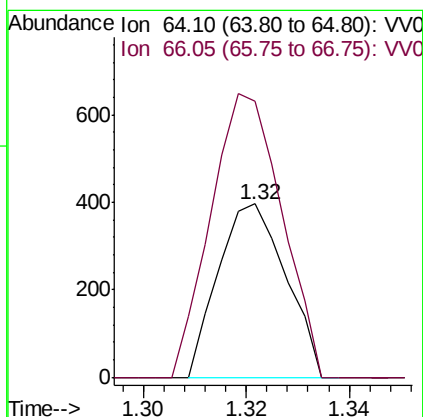
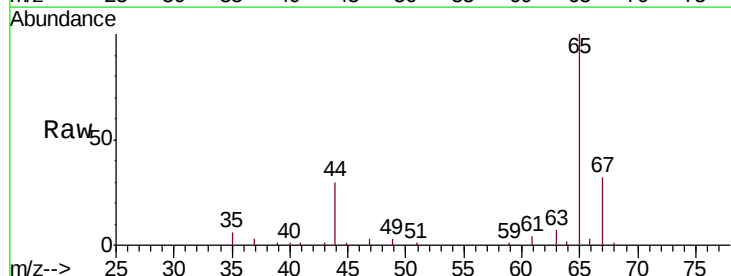
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BEYK3

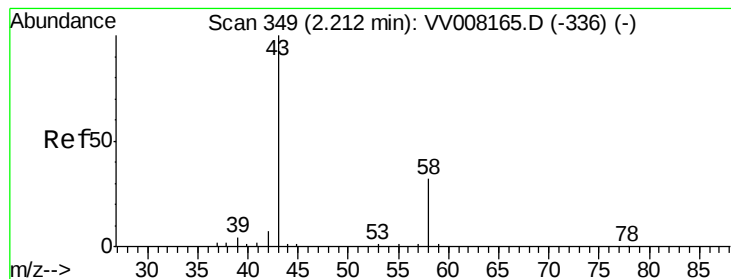
Tgt Ion: 50 Resp: 829  
 Ion Ratio Lower Upper  
 50 100  
 52 37.0 22.9 42.5



#8  
 Chloroethane  
 Concen: 0.100 ug/L  
 RT: 1.32 min Scan# 72  
 Delta R.T. -0.28 min  
 Lab File: VV008182.D  
 Acq: 09 Oct 2018 04:52

Tgt Ion: 64 Resp: 359  
 Ion Ratio Lower Upper  
 64 100  
 66 158.9 24.1 44.8#





#13

Acetone

Concen: 3.228 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.00 min

Lab File: VV008182.D

Acq: 09 Oct 2018 04:52

Instrument :

MSVOA\_V

ClientSampleId :

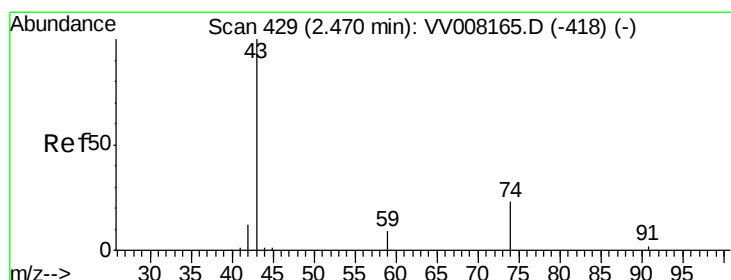
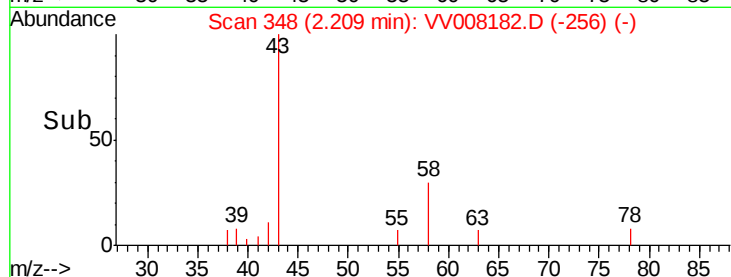
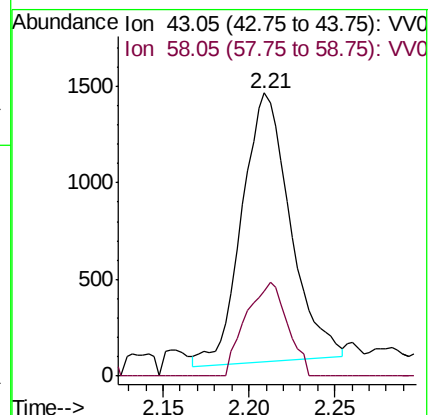
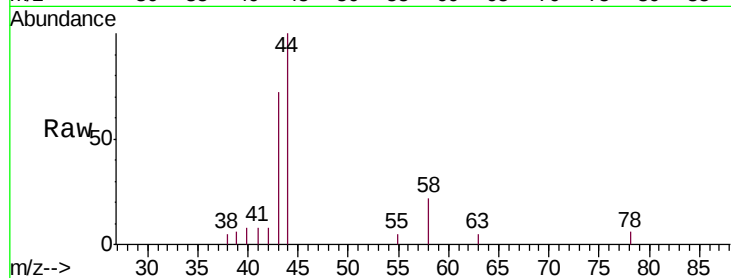
BEYK3

Tgt Ion: 43 Resp: 2722

Ion Ratio Lower Upper

43 100

58 29.8 0.0 62.2



#15

Methyl Acetate

Concen: 0.731 ug/L

RT: 2.47 min Scan# 429

Delta R.T. -0.00 min

Lab File: VV008182.D

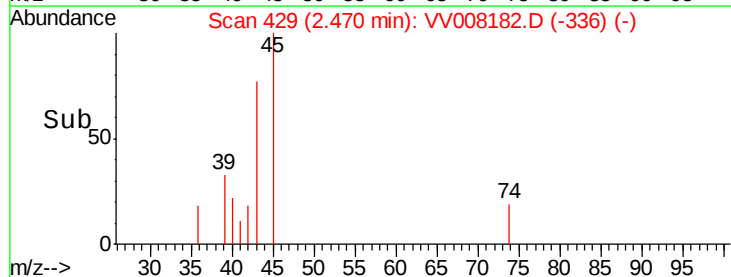
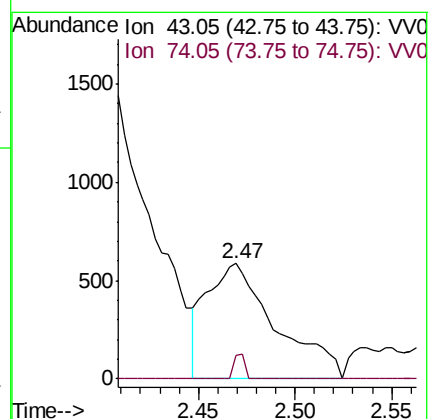
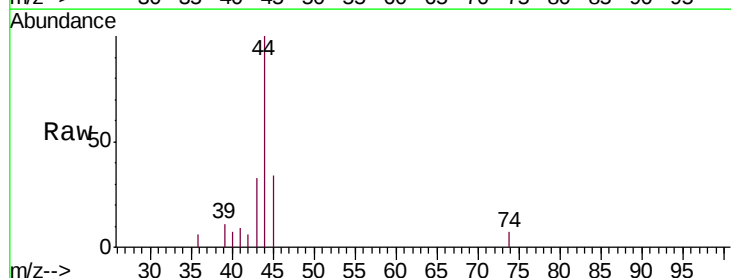
Acq: 09 Oct 2018 04:52

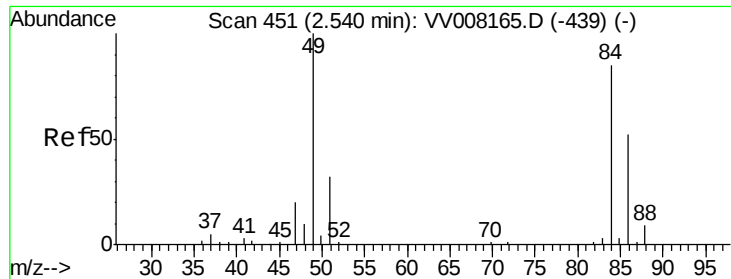
Tgt Ion: 43 Resp: 1463

Ion Ratio Lower Upper

43 100

74 3.2 18.1 27.1#

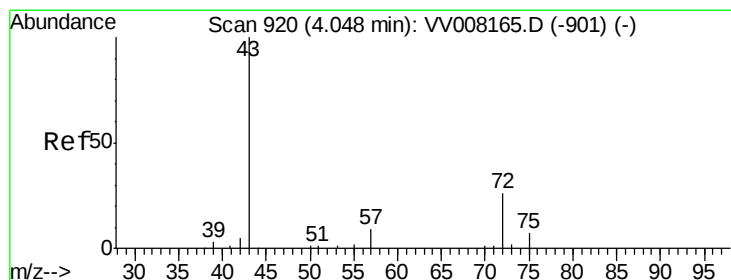
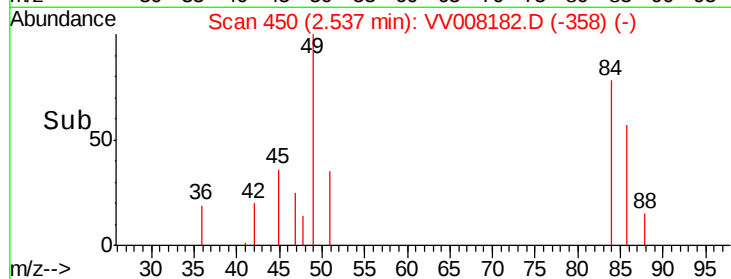
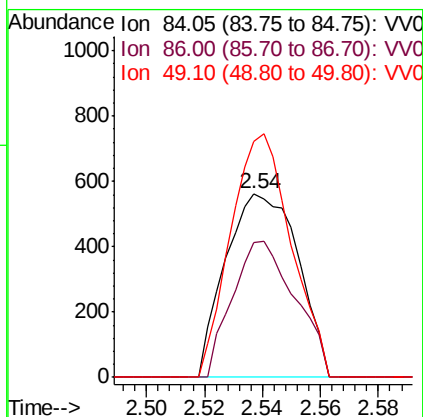
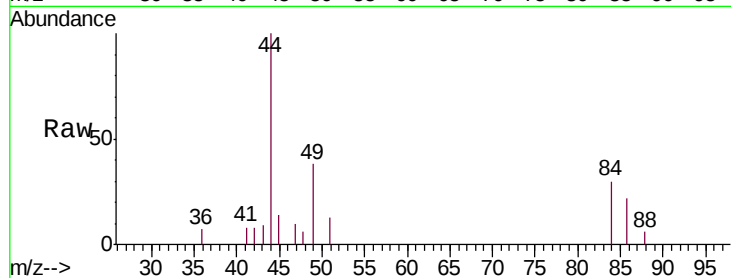




#16  
Methylene chloride  
Concen: 0.176 ug/L  
RT: 2.54 min Scan# 450  
Delta R.T. -0.00 min  
Lab File: VV008182.D  
Acq: 09 Oct 2018 04:52

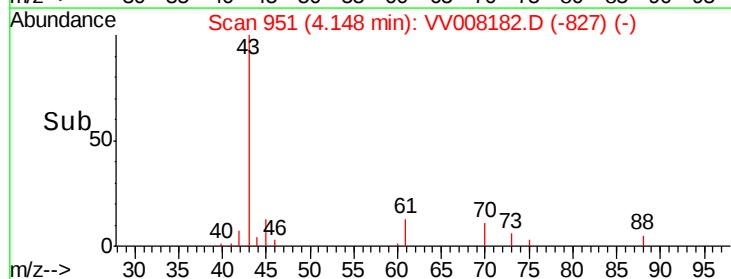
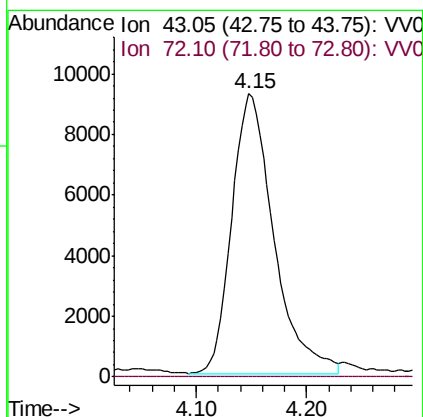
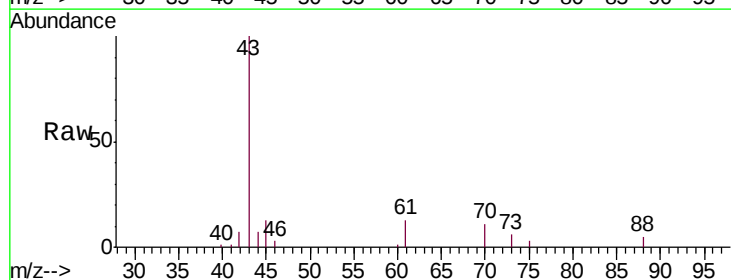
Instrument :  
MSVOA\_V  
ClientSampleId :  
BEYK3

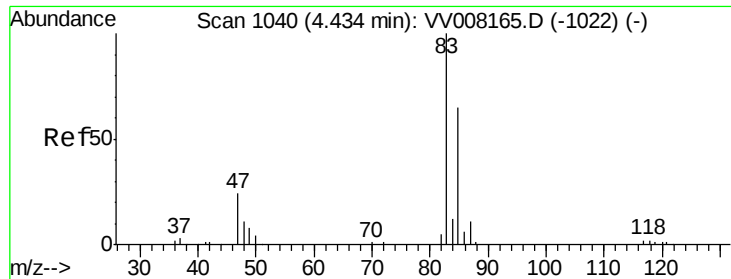
Tgt Ion: 84 Resp: 977  
Ion Ratio Lower Upper  
84 100  
86 73.7 45.3 84.1  
49 128.2 83.0 154.1



#21  
2-Butanone  
Concen: 17.895 ug/L  
RT: 4.15 min Scan# 951  
Delta R.T. 0.10 min  
Lab File: VV008182.D  
Acq: 09 Oct 2018 04:52

Tgt Ion: 43 Resp: 24346  
Ion Ratio Lower Upper  
43 100  
72 0.0 12.9 38.6#

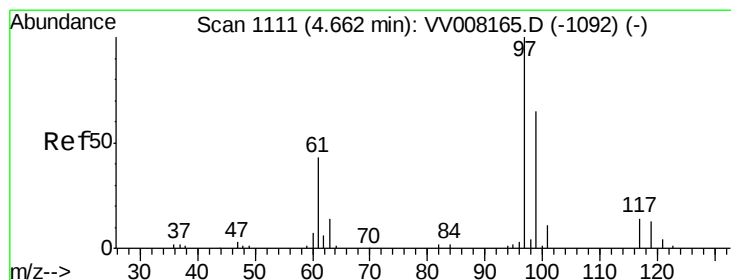
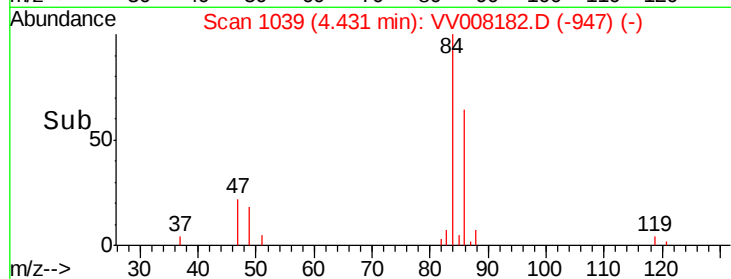
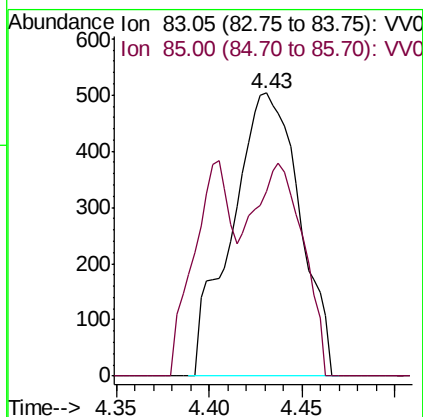
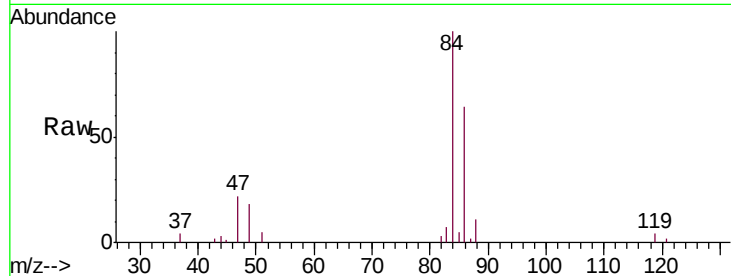




#25  
Chloroform  
Concen: 0.126 ug/L  
RT: 4.43 min Scan# 1039  
Delta R.T. -0.00 min  
Lab File: VV008182.D  
Acq: 09 Oct 2018 04:52

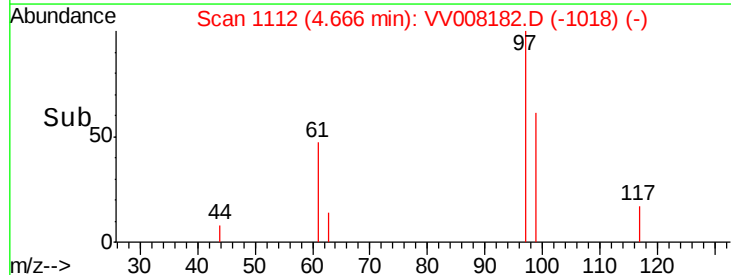
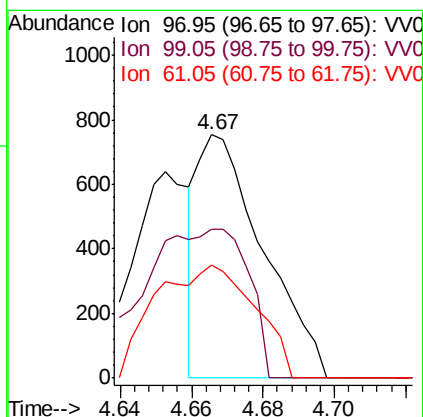
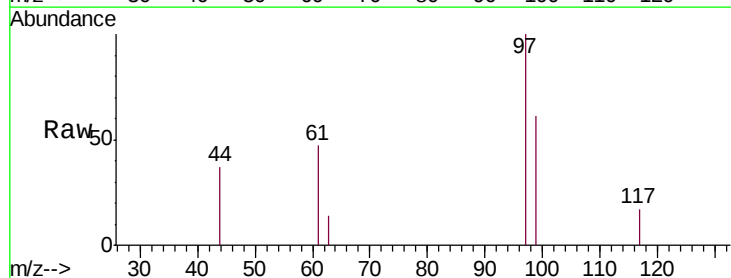
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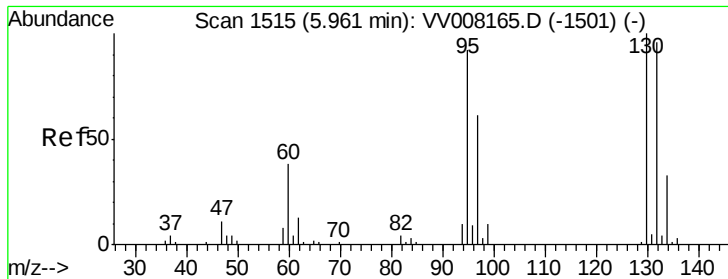
Tgt Ion: 83 Resp: 1282  
Ion Ratio Lower Upper  
83 100  
85 65.4 44.6 82.8



#29  
1,1,1-Trichloroethane  
Concen: 0.106 ug/L  
RT: 4.67 min Scan# 1112  
Delta R.T. 0.00 min  
Lab File: VV008182.D  
Acq: 09 Oct 2018 04:52

Tgt Ion: 97 Resp: 953  
Ion Ratio Lower Upper  
97 100  
99 97.8 51.0 76.4#  
61 70.9 34.0 51.0#

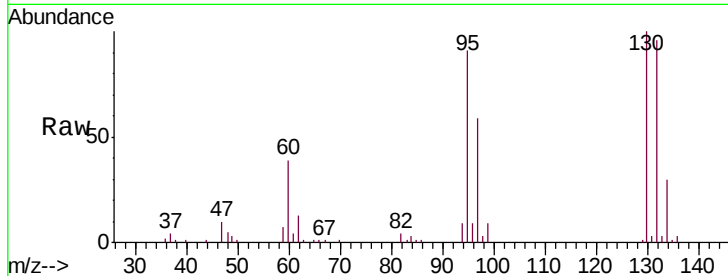




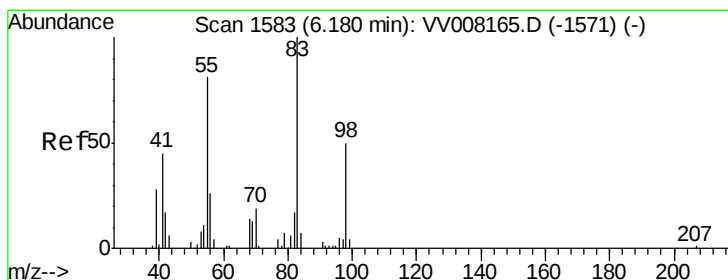
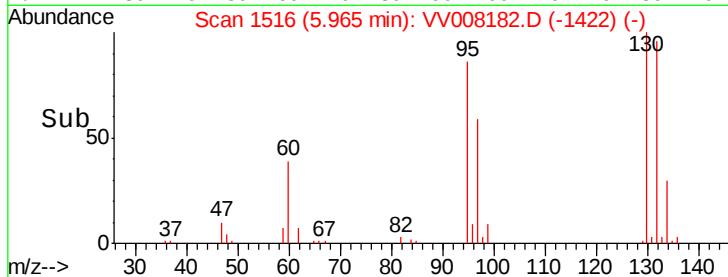
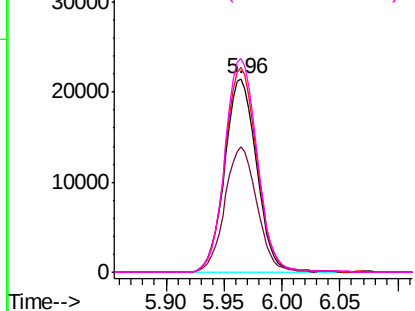
#34  
 Trichloroethene  
 Concen: 6.921 ug/L  
 RT: 5.96 min Scan# 1516  
 Delta R.T. 0.00 min  
 Lab File: VV008182.D  
 Acq: 09 Oct 2018 04:52

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 BEYK3

Tgt Ion: 95 Resp: 41185  
 Ion Ratio Lower Upper  
 95 100  
 97 64.6 44.9 83.5  
 132 105.9 73.6 136.6  
 130 110.2 76.2 141.6

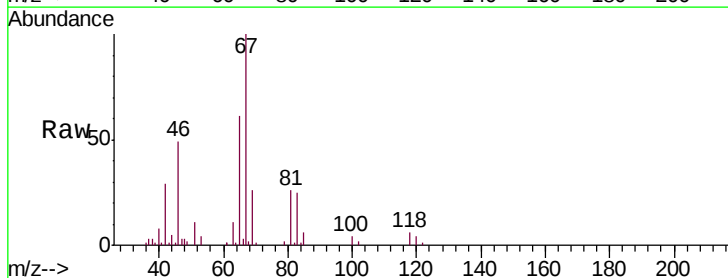


Abundance Ion 95.00 (94.70 to 95.70): VV0  
 Ion 96.95 (96.65 to 97.65): VV0  
 Ion 131.95 (131.65 to 132.65): V  
 Ion 129.95 (129.65 to 130.65): V

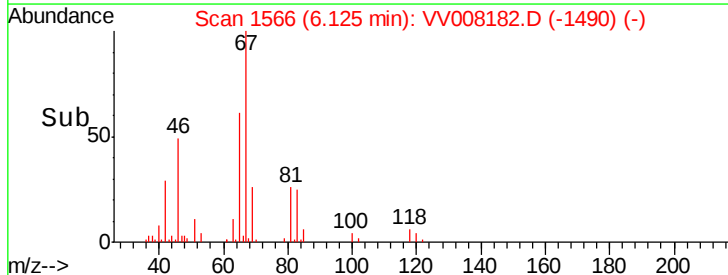
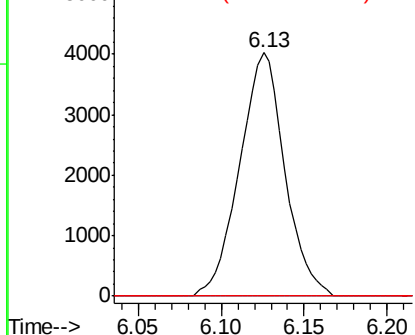


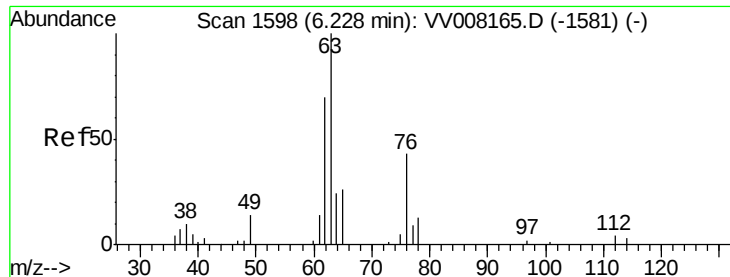
#35  
 Methylcyclohexane  
 Concen: 0.916 ug/L  
 RT: 6.13 min Scan# 1566  
 Delta R.T. -0.05 min  
 Lab File: VV008182.D  
 Acq: 09 Oct 2018 04:52

Tgt Ion: 83 Resp: 7617  
 Ion Ratio Lower Upper  
 83 100  
 55 0.0 63.6 95.4#  
 98 0.0 38.3 57.5#



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

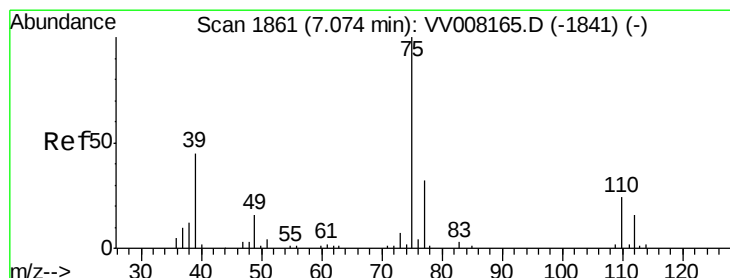
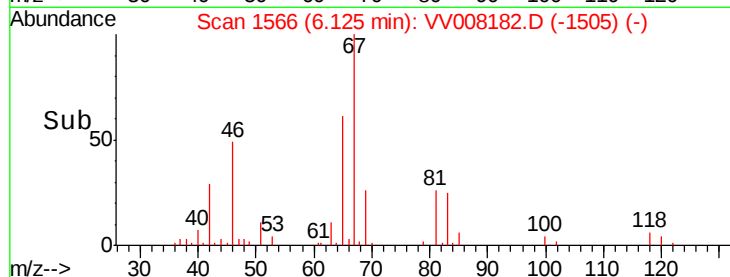
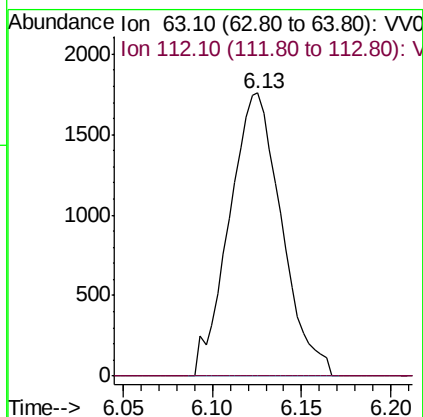
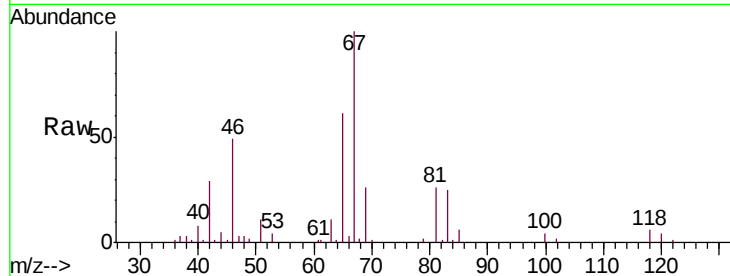




#37  
 1,2-Dichloropropane  
 Concen: 0.652 ug/L  
 RT: 6.13 min Scan# 1566  
 Delta R.T. -0.10 min  
 Lab File: VV008182.D  
 Acq: 09 Oct 2018 04:52

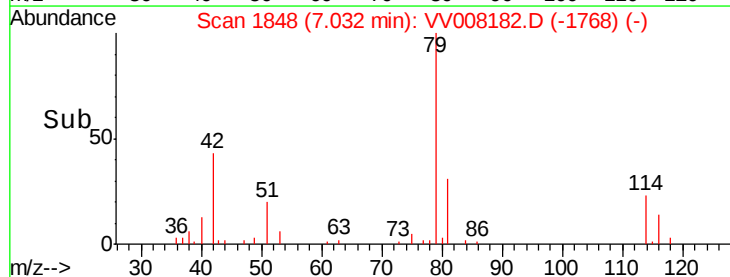
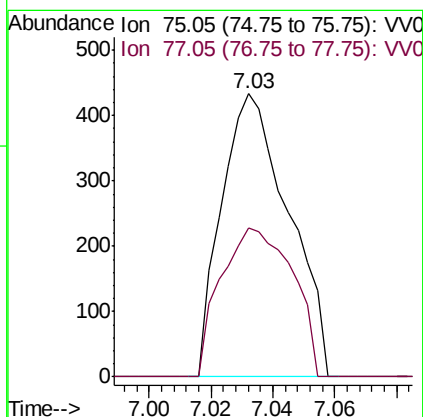
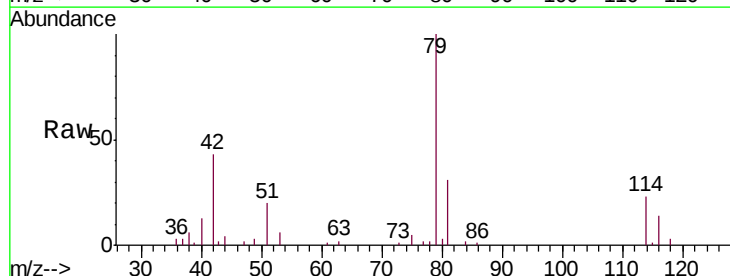
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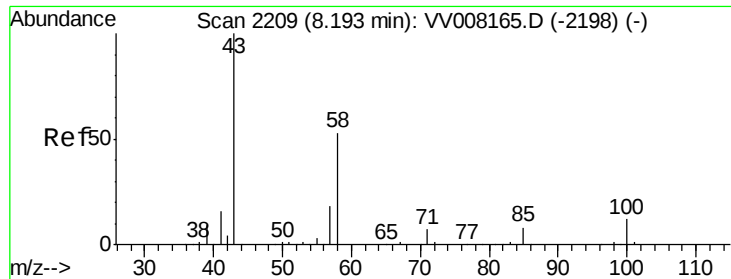
Tgt Ion: 63 Resp: 3585  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.093 ug/L  
 RT: 7.03 min Scan# 1848  
 Delta R.T. -0.04 min  
 Lab File: VV008182.D  
 Acq: 09 Oct 2018 04:52

Tgt Ion: 75 Resp: 654  
 Ion Ratio Lower Upper  
 75 100  
 77 52.7 22.1 41.1#





#48

2-Hexanone

Concen: 2.664 ug/L

RT: 8.19 min Scan# 2209

Delta R.T. -0.00 min

Lab File: VV008182.D

Acq: 09 Oct 2018 04:52

Instrument :  
MSVOA\_V  
ClientSampleId :  
BEYK3

Tgt Ion: 43 Resp: 5639

Ion Ratio Lower Upper

43 100

58 35.3 40.5 60.7#

57 11.2 14.6 22.0#

100 5.3 9.3 13.9#

