

Data File : VV008608.D  
Acq On : 17 Nov 2018 02:44  
Operator : SY/MD  
Sample : J5947-09  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9C33

Quant Time: Nov 17 05:46:30 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR111718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 17 05:41:19 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 161499   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 146725   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 63852    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 34214    | 4.77     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.40% |
| 7) Chloroethane-d5             | 1.59   | 69    | 27033    | 4.58     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 91.60% |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 51564    | 3.54     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.80% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 123395   | 48.07    | ug/L | -0.02  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 96.14% |
| 24) Chloroform-d               | 4.41   | 84    | 88417    | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.20% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 48962    | 4.90     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.00% |
| 32) Benzene-d6                 | 5.10   | 84    | 182593   | 4.77     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 58924    | 4.77     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 95.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 163664   | 4.55     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.00% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 18910    | 4.02     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 80.40% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 95967    | 45.00    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.00% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 40257    | 4.67     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 93.40% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 55155    | 4.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.60% |

#### Target Compounds

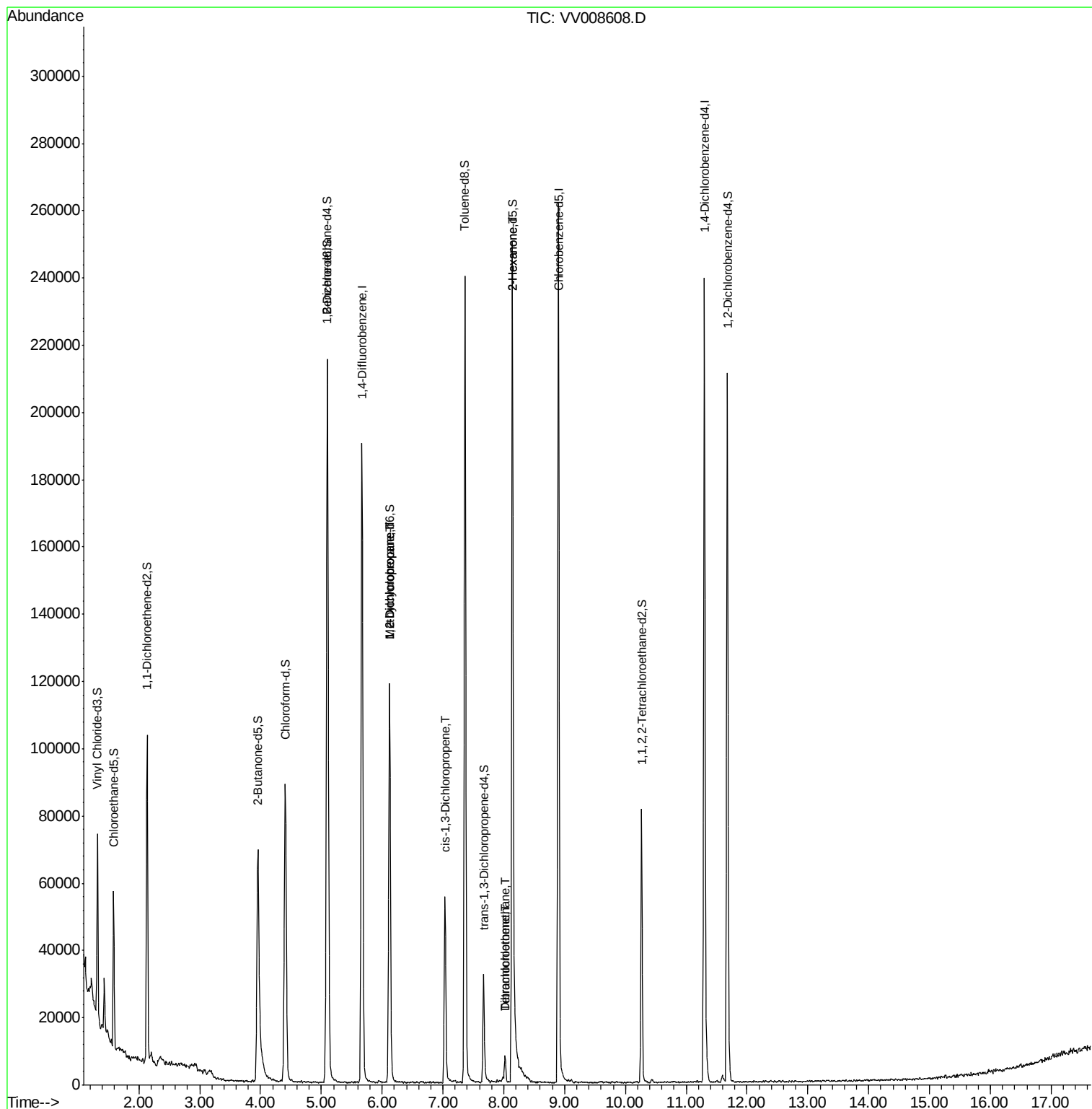
|                             |      |     |       |              | Qvalue |
|-----------------------------|------|-----|-------|--------------|--------|
| 35) Methylcyclohexane       | 6.12 | 83  | 13367 | 0.642 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.12 | 63  | 6414  | 0.525 ug/L # | 89     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75  | 1398  | 0.085 ug/L # | 78     |
| 47) Tetrachloroethene       | 8.02 | 164 | 1785  | 0.201 ug/L   | 94     |
| 48) 2-Hexanone              | 8.14 | 43  | 12746 | 2.639 ug/L # | 75     |
| 49) Dibromochloromethane    | 8.02 | 129 | 1706  | 0.193 ug/L # | 10     |

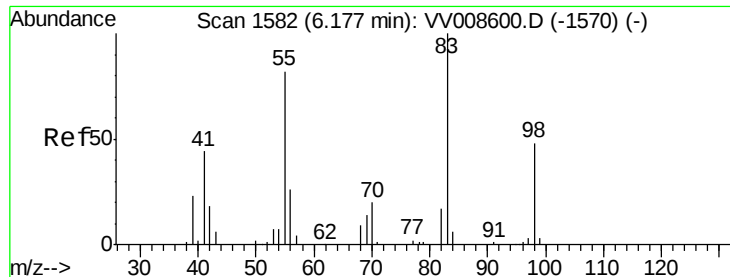
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VV008608.D  
Acq On : 17 Nov 2018 02:44  
Operator : SY/MD  
Sample : J5947-09  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9C33

Quant Time: Nov 17 05:46:30 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR111718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Nov 17 05:41:19 2018  
Response via : Initial Calibration





#35

Methylcyclohexane

Concen: 0.642 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV008608.D

Acq: 17 Nov 2018 02:44

Instrument :

MSVOA\_V

ClientSampleId :

F9C33

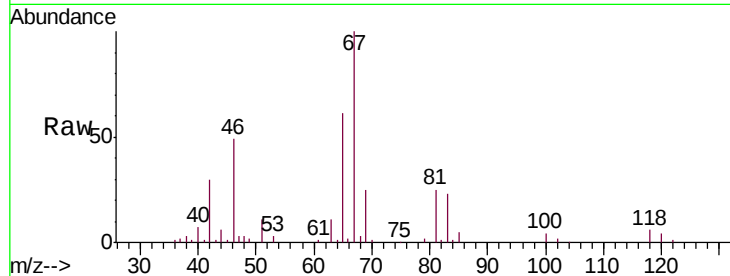
Tgt Ion: 83 Resp: 13367

Ion Ratio Lower Upper

83 100

55 0.0 65.6 98.4#

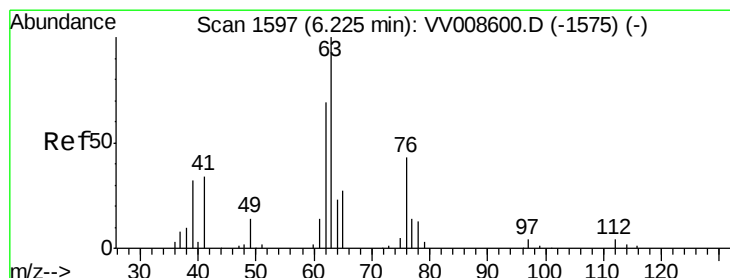
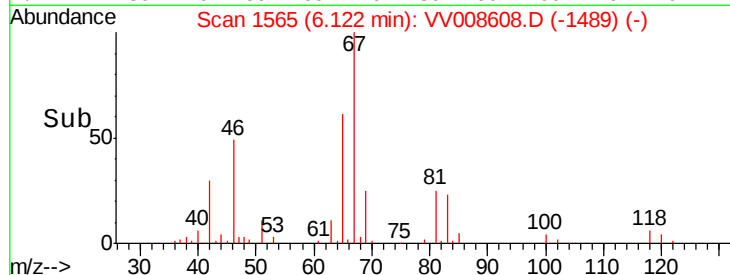
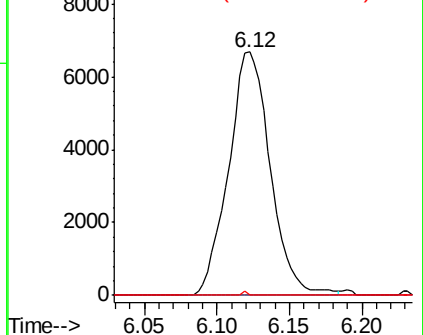
98 0.2 36.4 54.6#



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: 0.525 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.10 min

Lab File: VV008608.D

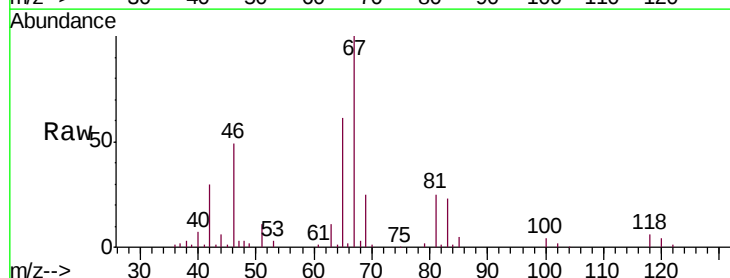
Acq: 17 Nov 2018 02:44

Tgt Ion: 63 Resp: 6414

Ion Ratio Lower Upper

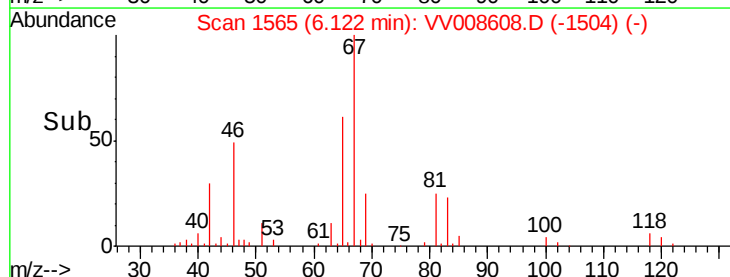
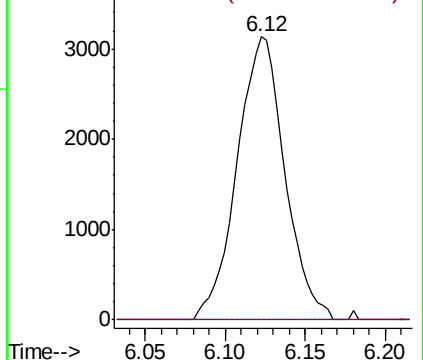
63 100

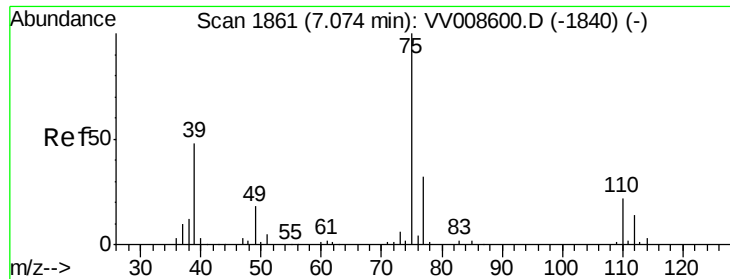
112 0.0 2.8 4.2#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V

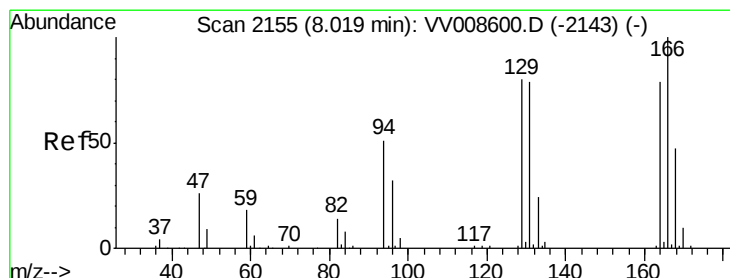
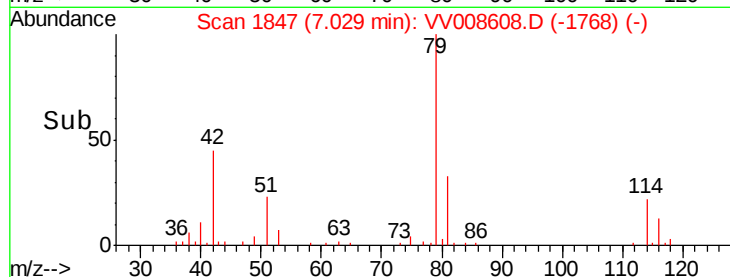
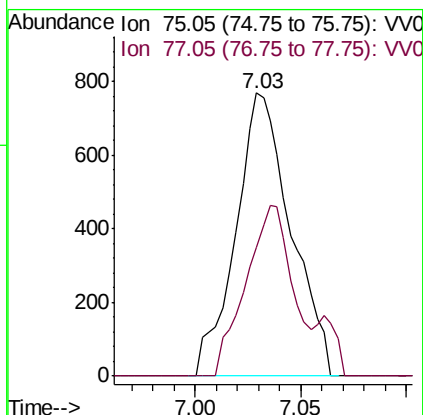
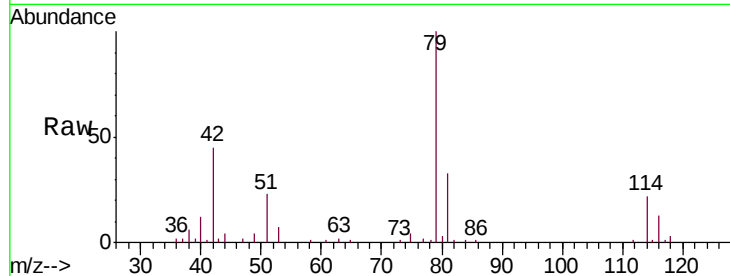




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.085 ug/L  
 RT: 7.03 min Scan# 1847  
 Delta R.T. -0.04 min  
 Lab File: VV008608.D  
 Acq: 17 Nov 2018 02:44

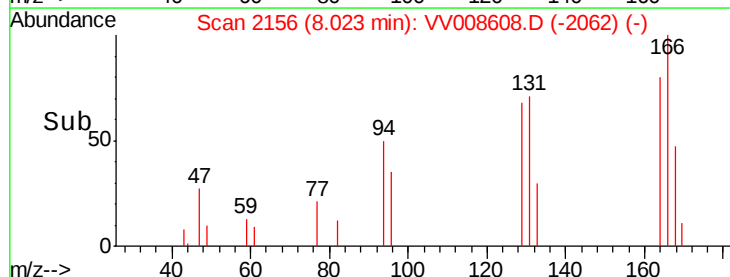
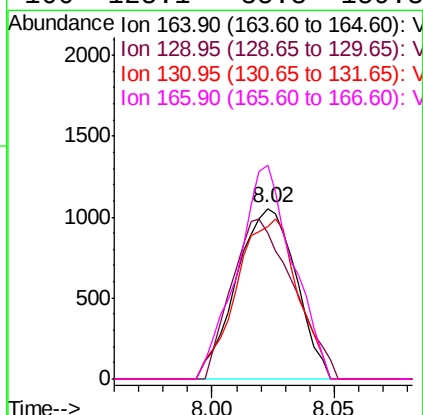
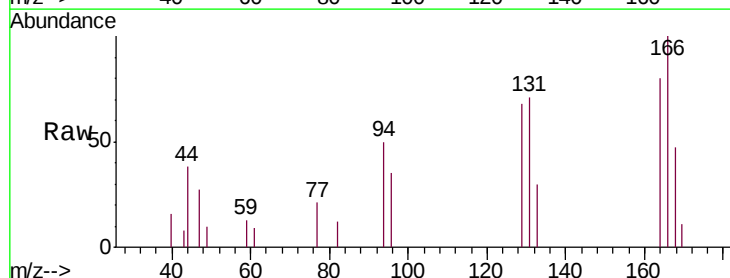
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9C33

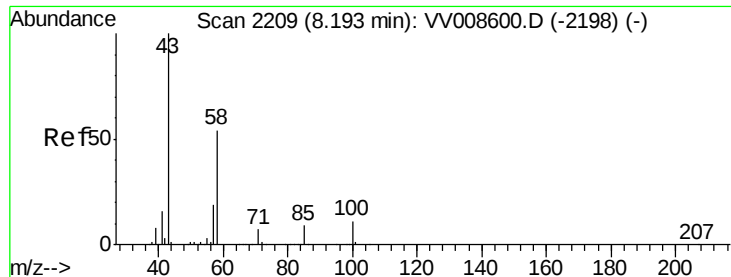
Tgt Ion: 75 Resp: 1398  
 Ion Ratio Lower Upper  
 75 100  
 77 45.3 23.0 42.8#



#47  
 Tetrachloroethene  
 Concen: 0.201 ug/L  
 RT: 8.02 min Scan# 2156  
 Delta R.T. 0.00 min  
 Lab File: VV008608.D  
 Acq: 17 Nov 2018 02:44

Tgt Ion: 164 Resp: 1785  
 Ion Ratio Lower Upper  
 164 100  
 129 85.2 67.5 125.4  
 131 89.1 66.4 123.4  
 166 125.1 85.8 159.3

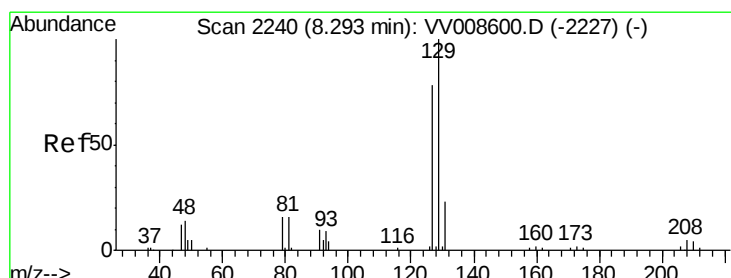
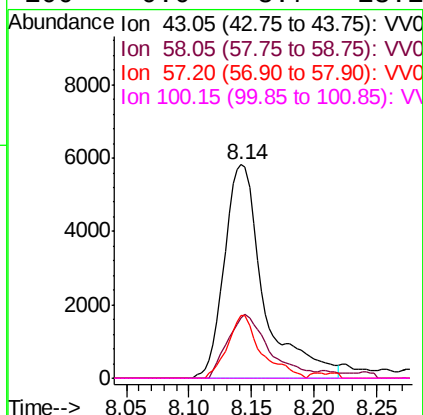
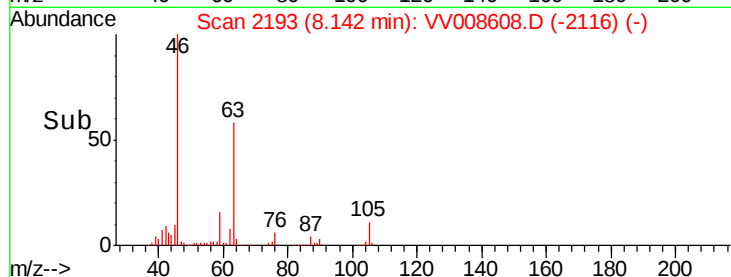
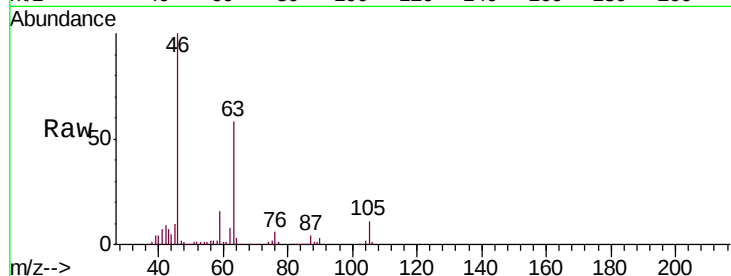




#48  
2-Hexanone  
Concen: 2.639 ug/L  
RT: 8.14 min Scan# 2193  
Delta R.T. -0.05 min  
Lab File: VV008608.D  
Acq: 17 Nov 2018 02:44

Instrument :  
MSVOA\_V  
ClientSampleId :  
F9C33

Tgt Ion: 43 Resp: 12746  
Ion Ratio Lower Upper  
43 100  
58 31.5 41.8 62.8#  
57 25.0 15.4 23.0#  
100 0.0 8.7 13.1#



#49  
Dibromochloromethane  
Concen: 0.193 ug/L  
RT: 8.02 min Scan# 2155  
Delta R.T. -0.27 min  
Lab File: VV008608.D  
Acq: 17 Nov 2018 02:44

Tgt Ion: 129 Resp: 1706  
Ion Ratio Lower Upper  
129 100  
127 0.0 54.6 101.4#

