

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101920\  
 Data File : VV018982.D  
 Acq On : 19 Oct 2020 19:54  
 Operator : SY/MD  
 Sample : L4430-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AL1

Quant Time: Oct 20 01:08:50 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Oct 20 01:05:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 308215   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 308036   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 145018   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 99674    | 39.29    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.58% |
| 7) Chloroethane-d5             | 1.58    | 69    | 92957    | 46.24    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 92.48% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 162391   | 33.91    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 67.82% |
| 21) 2-Butanone-d5              | 3.91    | 46    | 150518   | 85.11    | ug/L | 0.02   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 85.11% |
| 24) Chloroform-d               | 4.38    | 84    | 193600   | 42.47    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 84.94% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 138713   | 45.84    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.68% |
| 32) Benzene-d6                 | 5.08    | 84    | 374335   | 41.63    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.26% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 124776   | 43.40    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 86.80% |
| 41) Toluene-d8                 | 7.34    | 98    | 323510   | 40.10    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 80.20% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 55739    | 39.66    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.32% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 76689    | 71.80    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 71.80% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 119718   | 35.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 71.06% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 138637   | 46.99    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 93.98% |

## Target Compounds

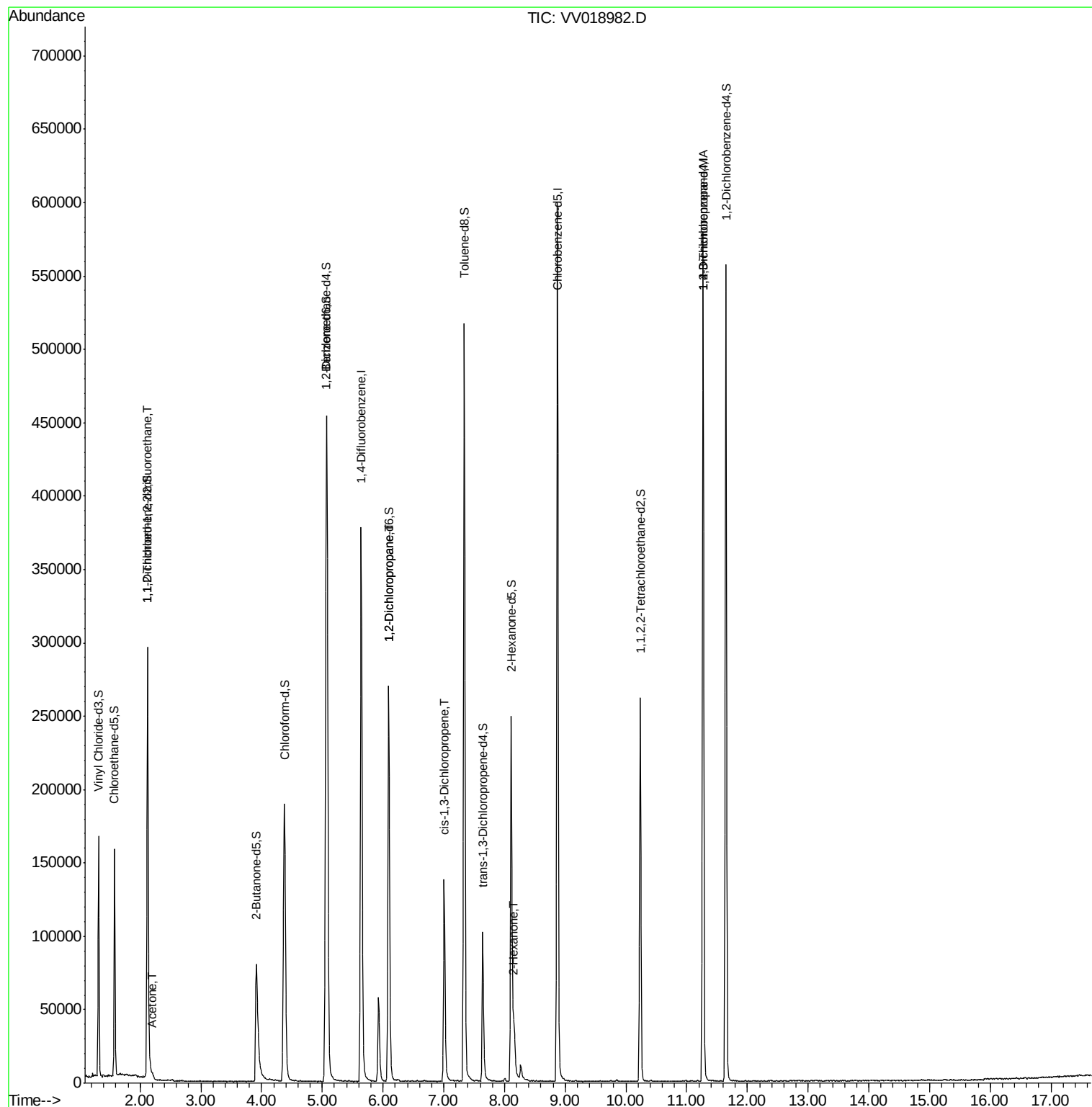
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1435  | 0.718 ug/L # | 20     |
| 13) Acetone                    | 2.20  | 43  | 4301  | 3.328 ug/L   | 89     |
| 37) 1,2-Dichloropropane        | 6.09  | 63  | 14334 | 5.671 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 3526  | 0.928 ug/L # | 76     |
| 48) 2-Hexanone                 | 8.16  | 43  | 22869 | 8.274 ug/L # | 78     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 17133 | 5.599 ug/L # | 87     |

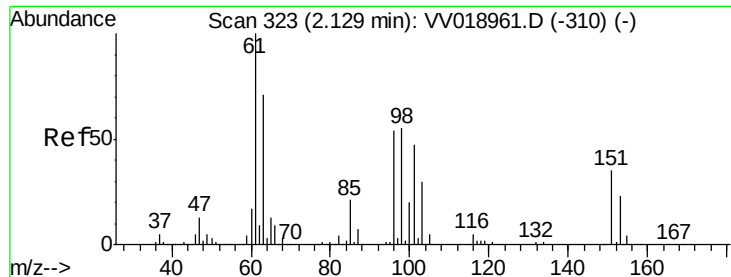
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L4430-03  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AL1

Quant Time: Oct 20 01:08:50 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Oct 20 01:05:12 2020  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.718 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018982.D

Acq: 19 Oct 2020 19:54

Instrument :

MSVOA\_V

ClientSampleId :

C0AL1

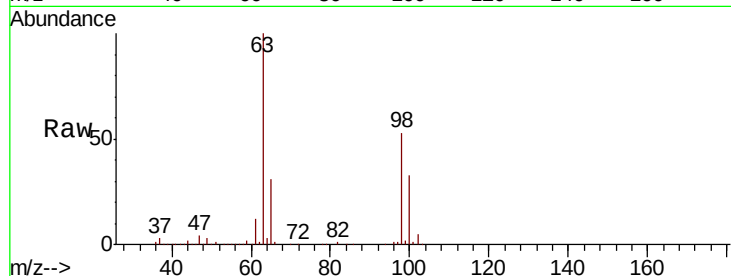
Tot Ion:101 Resp: 1435

Ion Ratio Lower Upper

101 100

85 0.0 35.0 52.4#

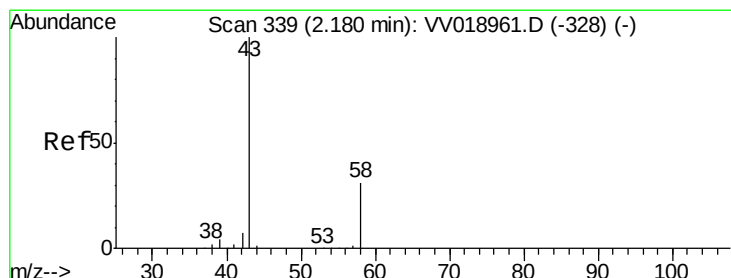
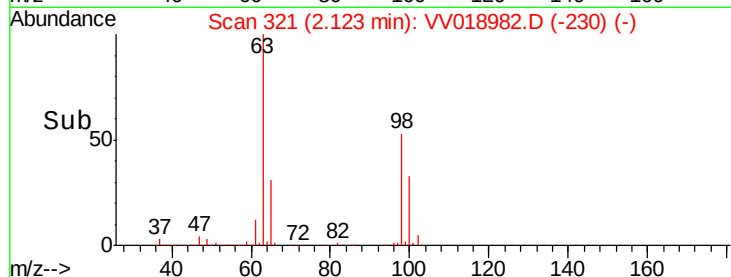
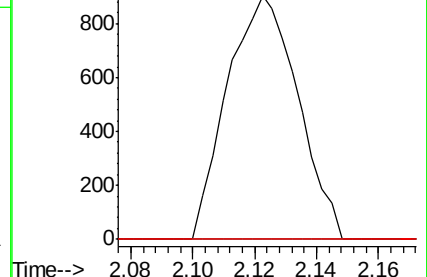
151 0.0 59.7 89.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#13

Acetone

Concen: 3.328 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.02 min

Lab File: VV018982.D

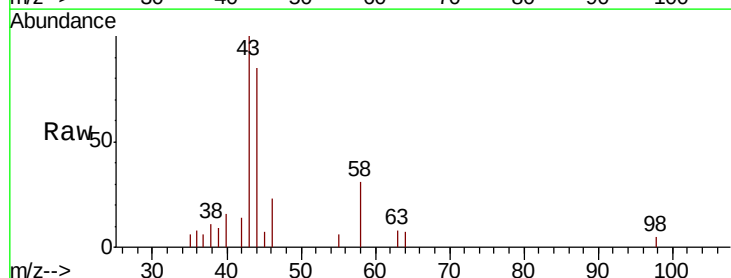
Acq: 19 Oct 2020 19:54

Tgt Ion: 43 Resp: 4301

Ion Ratio Lower Upper

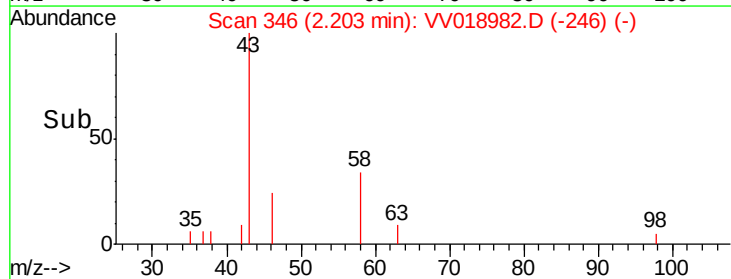
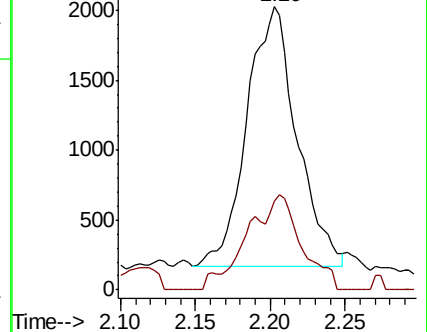
43 100

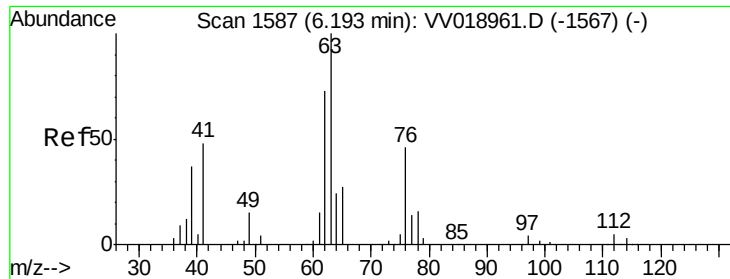
58 23.4 0.0 58.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

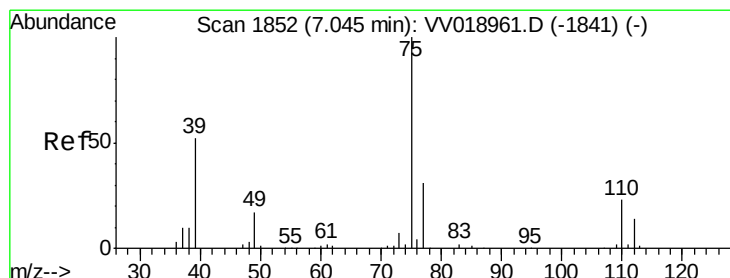
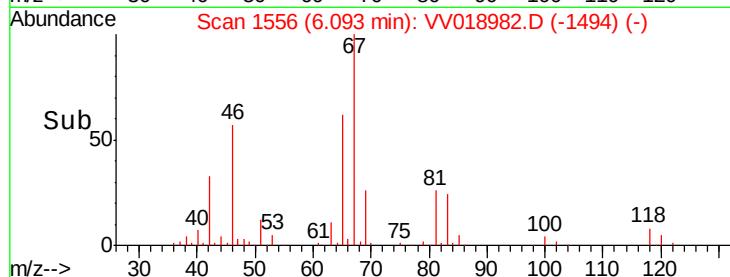
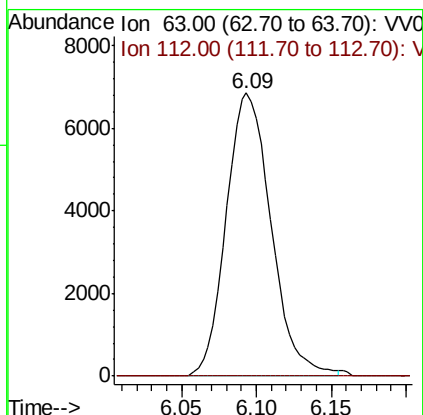
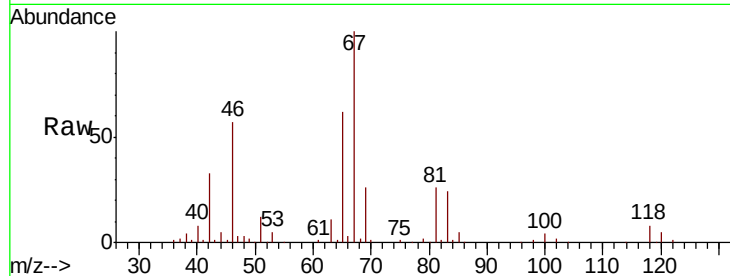




#37  
 1,2-Dichloropropane  
 Concen: 5.671 ug/L  
 RT: 6.09 min Scan# 1556  
 Delta R.T. -0.10 min  
 Lab File: VV018982.D  
 Acq: 19 Oct 2020 19:54

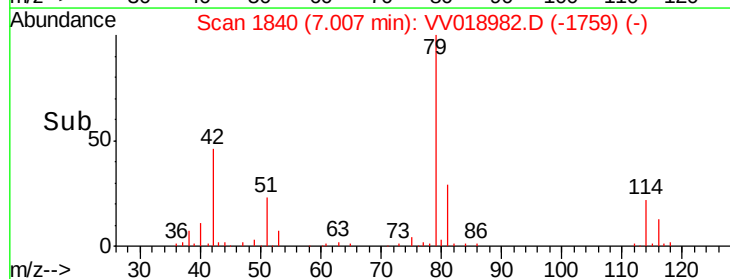
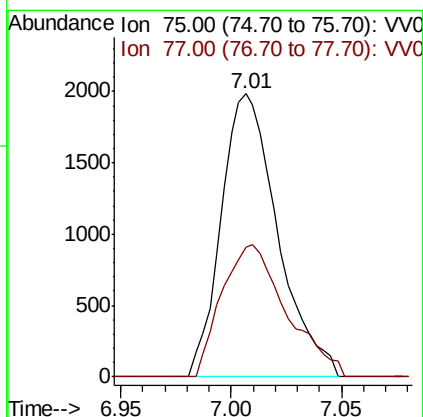
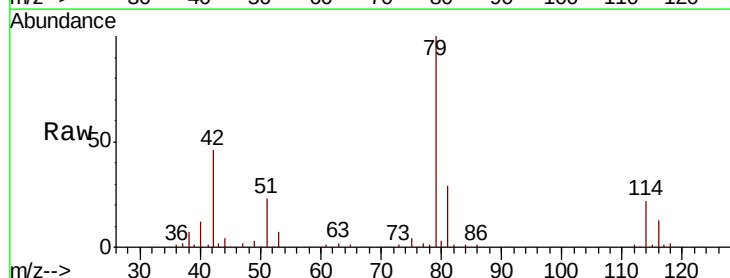
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AL1

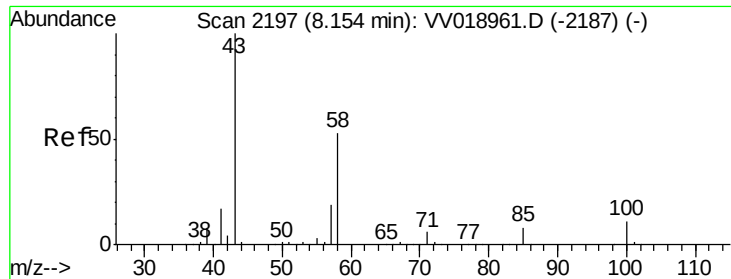
Tot Ion: 63 Resp: 14334  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.3 4.9#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.928 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV018982.D  
 Acq: 19 Oct 2020 19:54

Tgt Ion: 75 Resp: 3526  
 Ion Ratio Lower Upper  
 75 100  
 77 45.8 22.5 41.9#

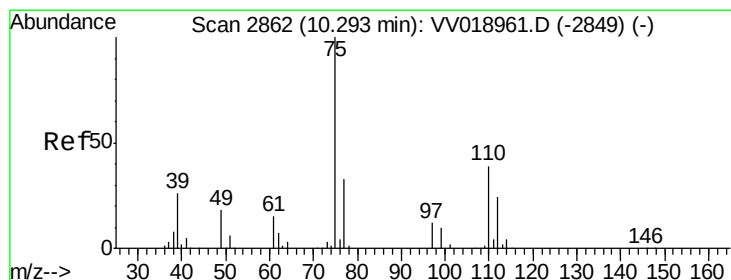
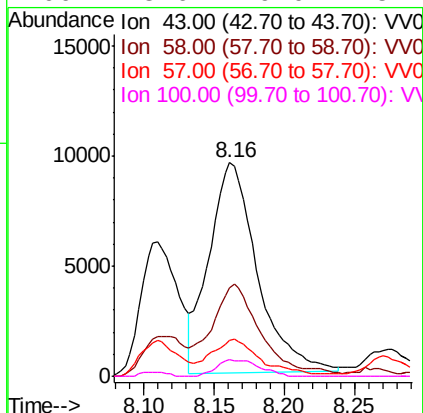
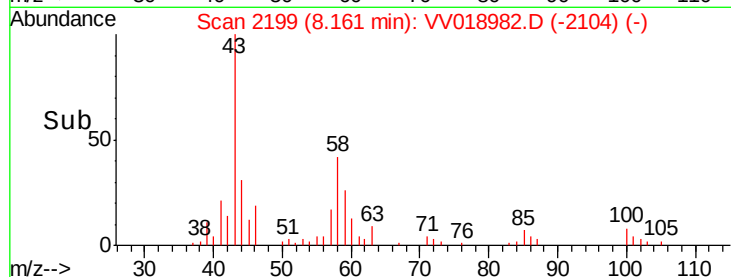
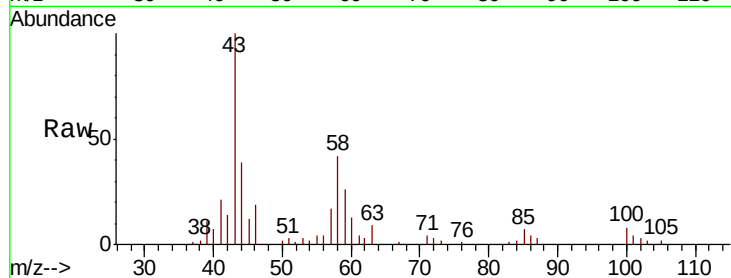




#48  
2-Hexanone  
Concen: 8.274 ug/L  
RT: 8.16 min Scan# 2199  
Delta R.T. 0.01 min  
Lab File: VV018982.D  
Acq: 19 Oct 2020 19:54

Instrument :  
MSVOA\_V  
ClientSampled :  
COAL1

Tot Ion: 43 Resp: 22869  
Ion Ratio Lower Upper  
43 100  
58 35.1 42.5 63.7#  
57 11.1 14.5 21.7#  
100 3.6 9.0 13.4#



#59  
1,2,3-Trichloropropane  
Concen: 5.599 ug/L  
RT: 11.27 min Scan# 3165  
Delta R.T. 0.97 min  
Lab File: VV018982.D  
Acq: 19 Oct 2020 19:54

Tgt Ion: 75 Resp: 17133  
Ion Ratio Lower Upper  
75 100  
77 39.2 25.4 38.2#

