

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\  
 Data File : VV018014.D  
 Acq On : 17 Aug 2020 10:19  
 Operator : SY/MD  
 Sample : VV0817MBL01  
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK81

Quant Time: Aug 18 01:25:03 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 18 01:23:44 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 249329   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 249752   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 120651   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

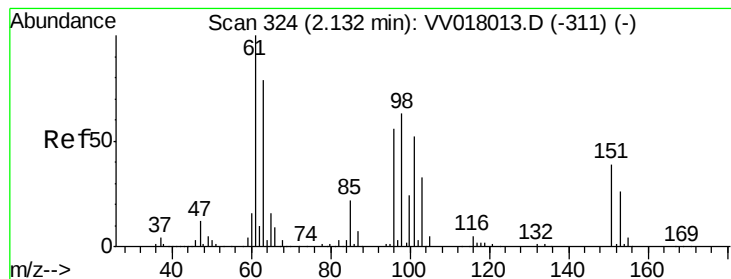
|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 96645    | 50.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 101.60% |
| 7) Chloroethane-d5             | 1.58    | 69    | 82393    | 52.94    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 105.88% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 143910   | 39.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 79.10%  |
| 21) 2-Butanone-d5              | 3.91    | 46    | 121678   | 97.66    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 97.66%  |
| 24) Chloroform-d               | 4.37    | 84    | 174817   | 50.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.96% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 118704   | 52.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 105.56% |
| 32) Benzene-d6                 | 5.07    | 84    | 350376   | 50.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.80% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 113669   | 50.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.02% |
| 41) Toluene-d8                 | 7.33    | 98    | 310742   | 50.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 100.40% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 52742    | 51.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 103.36% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 58871    | 81.53    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 81.53%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 134478   | 45.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.78%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 128836   | 54.26    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.52% |

## Target Compounds

|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1236  | 0.699 ug/L # | 20     |
| 12) 1,1-Dichloroethene         | 2.12  | 96  | 1185  | 0.709 ug/L # | 1      |
| 25) Chloroform                 | 4.40  | 83  | 3062  | 0.868 ug/L   | 80     |
| 35) Methylcyclohexane          | 6.09  | 83  | 26816 | 8.830 ug/L # | 17     |
| 37) 1,2-Dichloropropane        | 6.09  | 63  | 12450 | 5.908 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene    | 7.01  | 75  | 3106  | 1.040 ug/L # | 67     |
| 48) 2-Hexanone                 | 8.16  | 43  | 9202  | 4.143 ug/L # | 74     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 13981 | 5.372 ug/L   | 93     |

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





#10

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

Concen: 0.699 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018014.D

Acq: 17 Aug 2020 10:19

Instrument :

MSVOA\_V

ClientSampleId :

VBLK81

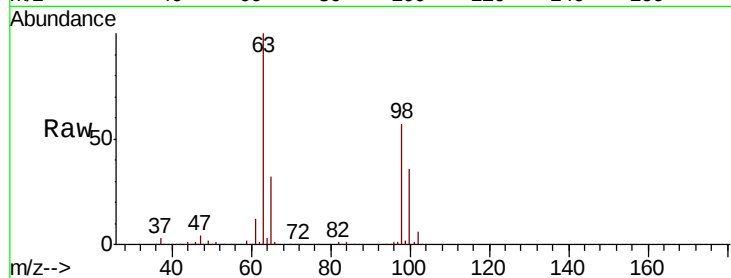
Tot Ion:101 Resp: 1236

Ion Ratio Lower Upper

101 100

85 0.0 34.9 52.3#

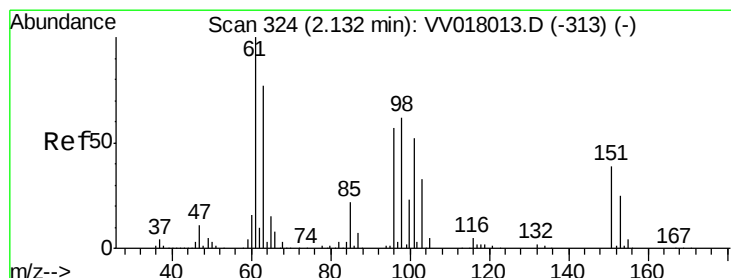
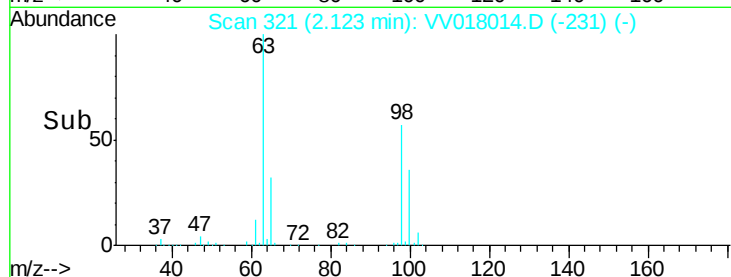
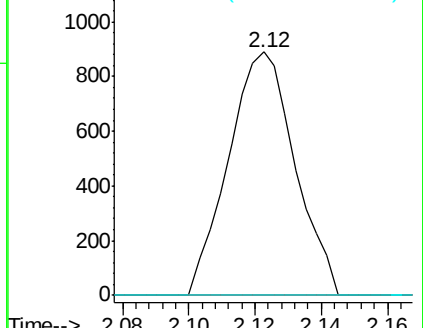
151 0.0 59.1 88.7#



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



#12

1,1-Dichloroethene

Concen: 0.709 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV018014.D

Acq: 17 Aug 2020 10:19

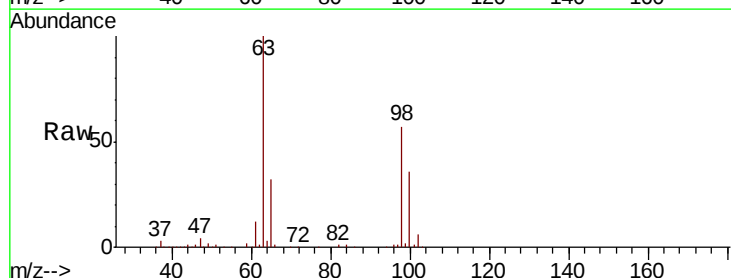
Tgt Ion: 96 Resp: 1185

Ion Ratio Lower Upper

96 100

61 1491.2 127.1 236.0#

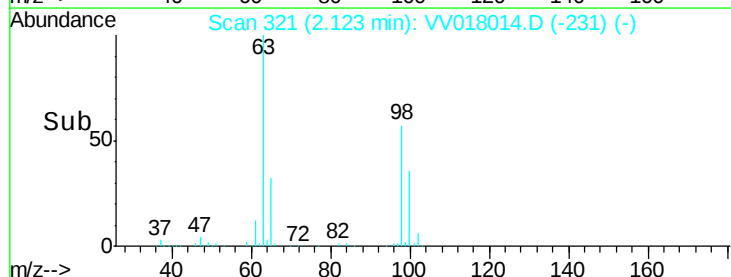
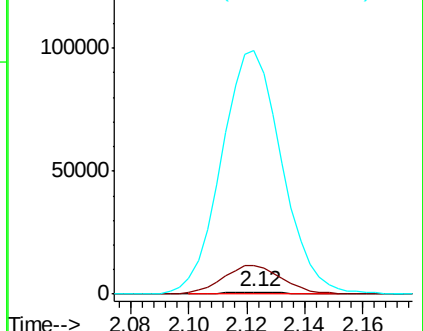
63 12696.4 95.2 176.8#

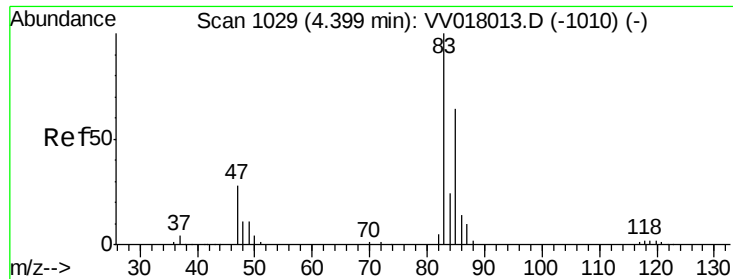


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

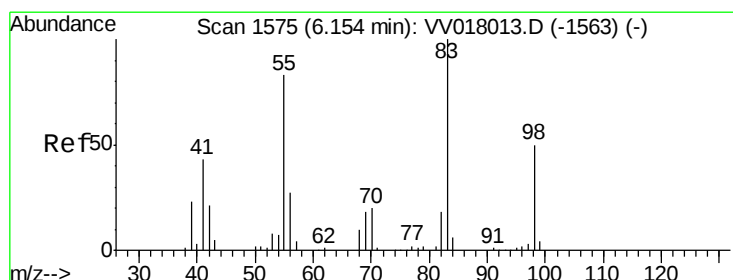
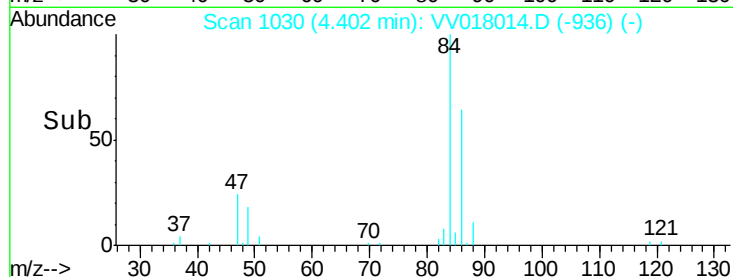
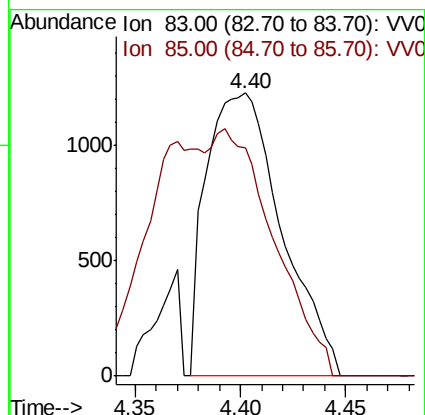
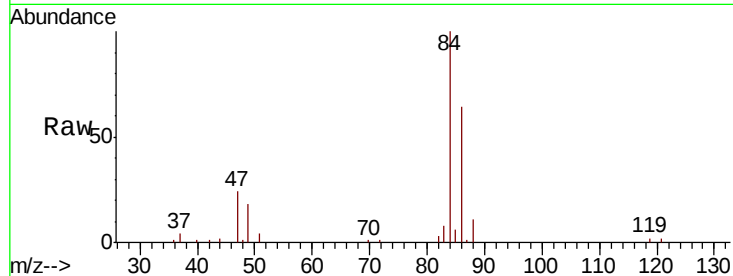




#25  
Chloroform  
Concen: 0.868 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. 0.00 min  
Lab File: VV018014.D  
Acq: 17 Aug 2020 10:19

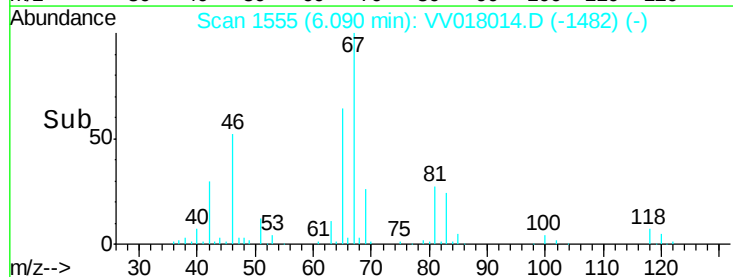
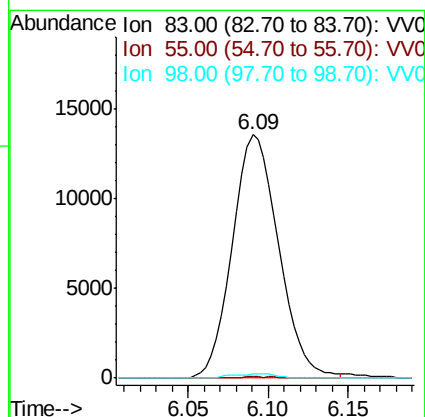
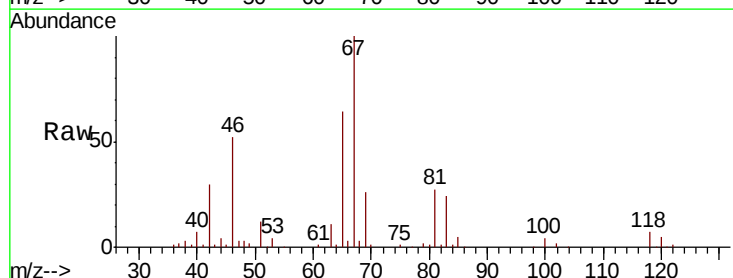
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK81

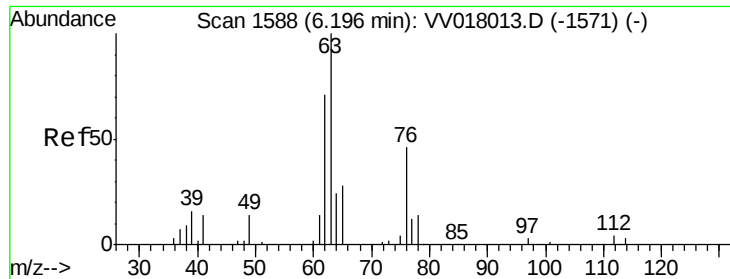
Tot Ion: 83 Resp: 3062  
Ion Ratio Lower Upper  
83 100  
85 80.7 45.5 84.5



#35  
Methylcyclohexane  
Concen: 8.830 ug/L  
RT: 6.09 min Scan# 1555  
Delta R.T. -0.06 min  
Lab File: VV018014.D  
Acq: 17 Aug 2020 10:19

Tgt Ion: 83 Resp: 26816  
Ion Ratio Lower Upper  
83 100  
55 0.2 64.9 97.3#  
98 1.1 38.7 58.1#

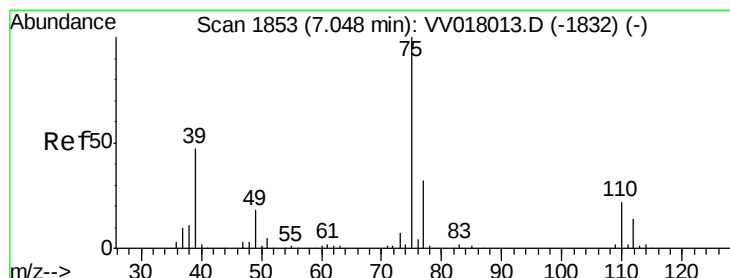
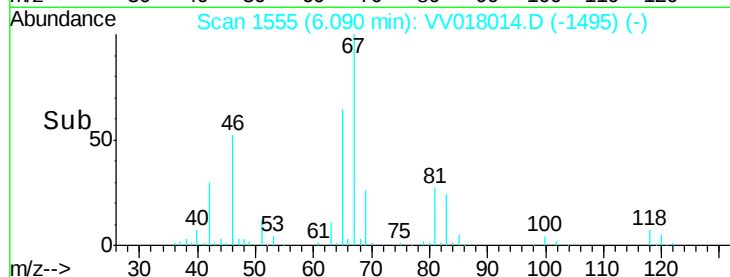
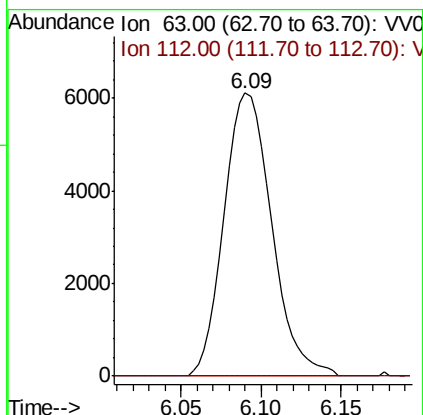
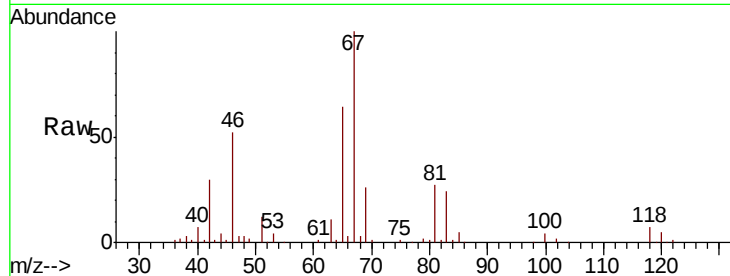




#37  
 1,2-Dichloropropane  
 Concen: 5.908 ug/L  
 RT: 6.09 min Scan# 1555  
 Delta R.T. -0.11 min  
 Lab File: VV018014.D  
 Acq: 17 Aug 2020 10:19

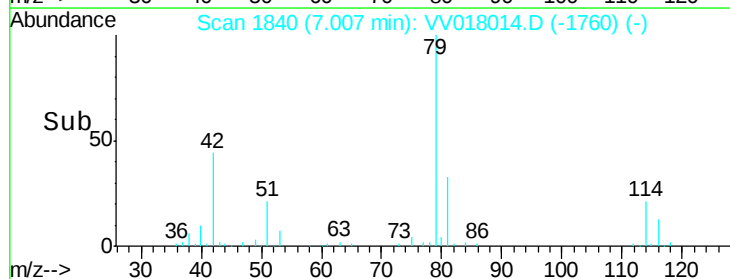
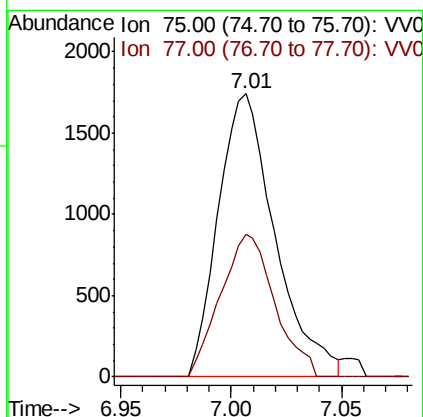
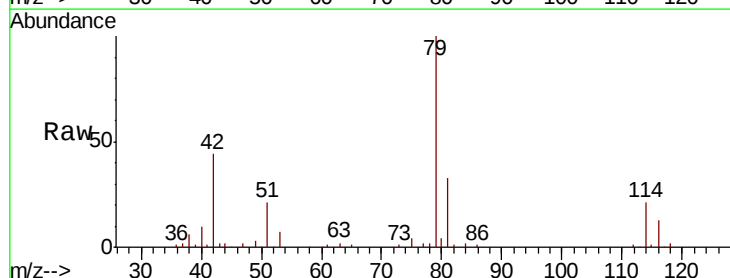
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK81

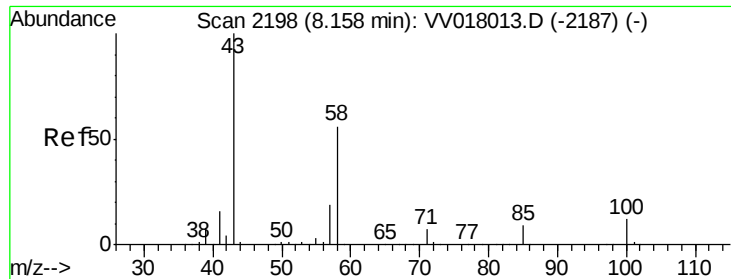
Tot Ion: 63 Resp: 12450  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.5 5.3#



#39  
 cis-1,3-Dichloropropene  
 Concen: 1.040 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV018014.D  
 Acq: 17 Aug 2020 10:19

Tgt Ion: 75 Resp: 3106  
 Ion Ratio Lower Upper  
 75 100  
 77 50.2 22.3 41.5#

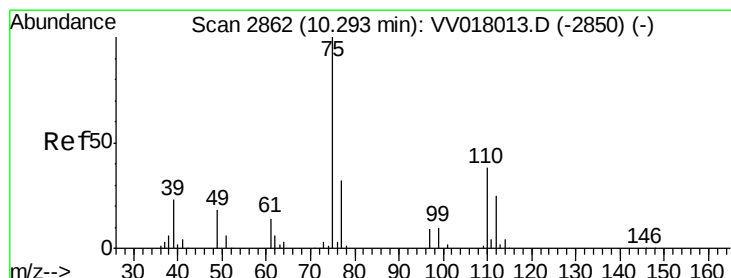
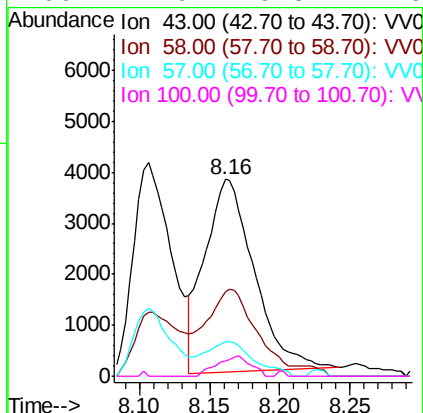
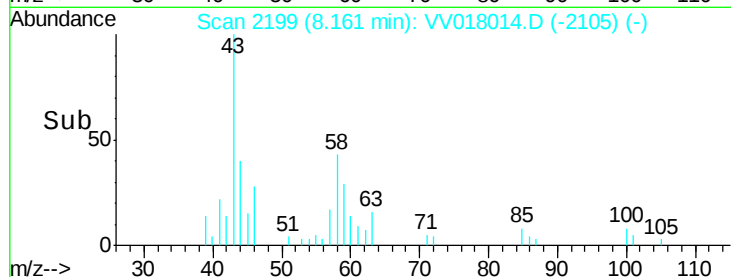
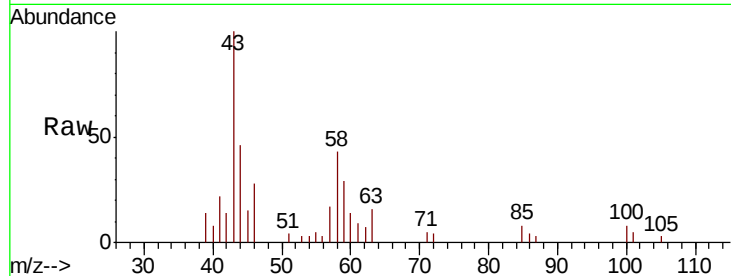




#48  
2-Hexanone  
Concen: 4.143 ug/L  
RT: 8.16 min Scan# 2199  
Delta R.T. 0.00 min  
Lab File: VV018014.D  
Acq: 17 Aug 2020 10:19

Instrument :  
MSVOA\_V  
ClientSampled :  
VBLK81

Tot Ion: 43 Resp: 9202  
Ion Ratio Lower Upper  
43 100  
58 30.6 44.4 66.6#  
57 14.9 15.2 22.8#  
100 7.0 9.8 14.6#



#59  
1,2,3-Trichloropropane  
Concen: 5.372 ug/L  
RT: 11.27 min Scan# 3166  
Delta R.T. 0.98 min  
Lab File: VV018014.D  
Acq: 17 Aug 2020 10:19

Tgt Ion: 75 Resp: 13981  
Ion Ratio Lower Upper  
75 100  
77 35.7 25.7 38.5

