

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120220\  
 Data File : VV019451.D  
 Acq On : 02 Dec 2020 16:11  
 Operator : SY/MD  
 Sample : L4921-04  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0FW3

Quant Time: Dec 03 05:52:02 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Dec 03 05:50:19 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 384413   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 385479   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 179732   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 141721   | 36.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.82%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 131299   | 42.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 84.04%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 235541   | 34.47    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.94%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 232314   | 99.28    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 99.28%  |
| 24) Chloroform-d               | 4.37    | 84    | 282701   | 45.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 194362   | 47.84    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.68%  |
| 32) Benzene-d6                 | 5.07    | 84    | 546760   | 47.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 95.94%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 187074   | 49.33    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 98.66%  |
| 41) Toluene-d8                 | 7.33    | 98    | 467188   | 45.76    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 91.52%  |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 85413    | 46.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 93.26%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 117457   | 78.61    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 78.61%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 196708   | 40.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 80.16%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 181779   | 52.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 104.16% |

## Target Compounds

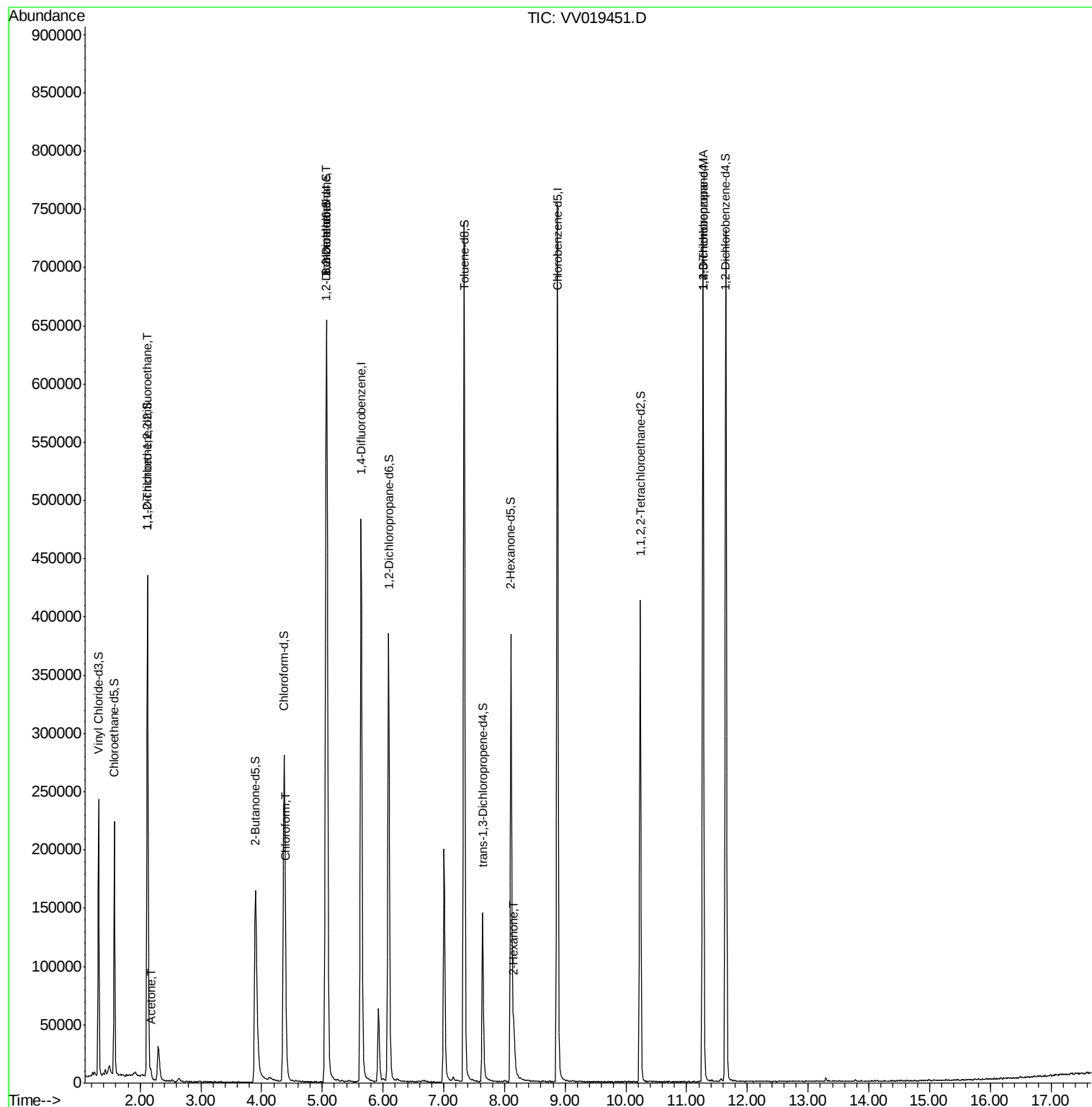
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 2013  | 0.747 ug/L # | 21     |
| 13) Acetone                    | 2.18  | 43  | 5544  | 3.099 ug/L   | 97     |
| 25) Chloroform                 | 4.40  | 83  | 19763 | 3.434 ug/L   | 98     |
| 27) 1,2-Dichloroethane         | 5.07  | 62  | 3472  | 0.769 ug/L   | 98     |
| 48) 2-Hexanone                 | 8.16  | 43  | 27216 | 7.659 ug/L # | 80     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 22340 | 5.345 ug/L   | 96     |

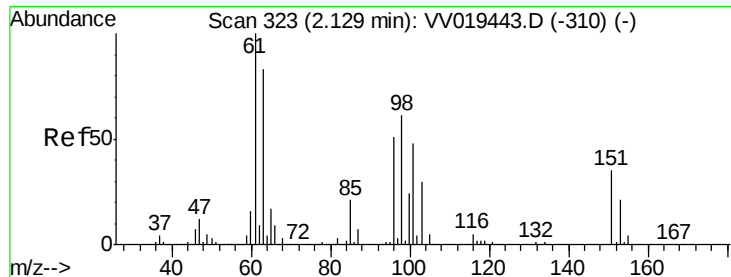
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : L4921-04  
Misc : 5.0mL/MSVOA V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0FW3

Quant Time: Dec 03 05:52:02 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM112320WMA.M  
Quant Title : VOC Analysis  
QLast Update : Thu Dec 03 05:50:19 2020  
Response via : Initial Calibration





#10

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

Concen: 0.747 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV019451.D

Acq: 02 Dec 2020 16:11

Instrument :

MSVOA\_V

ClientSampled :

C0FW3

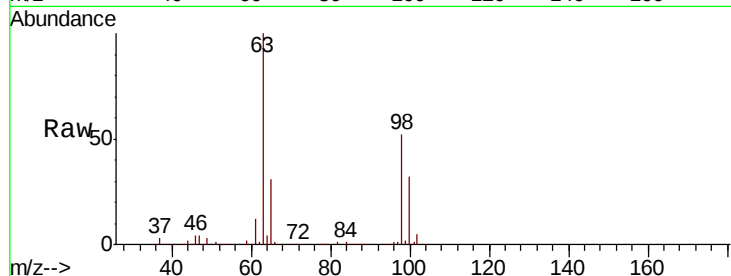
Tot Ion:101 Resp: 2013

Ion Ratio Lower Upper

101 100

85 2.1 35.5 53.3#

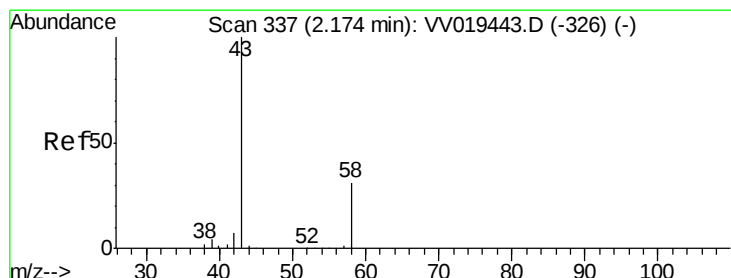
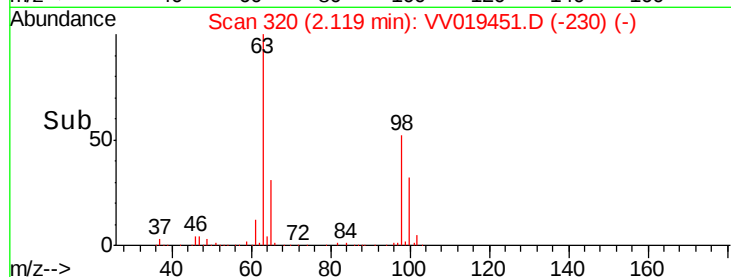
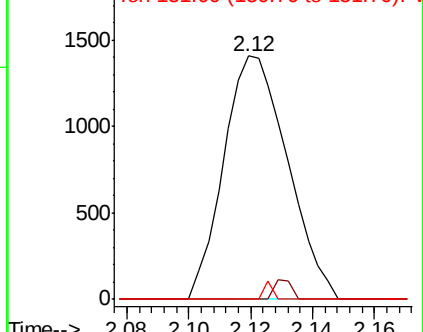
151 0.0 58.9 88.3#



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: 3.099 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV019451.D

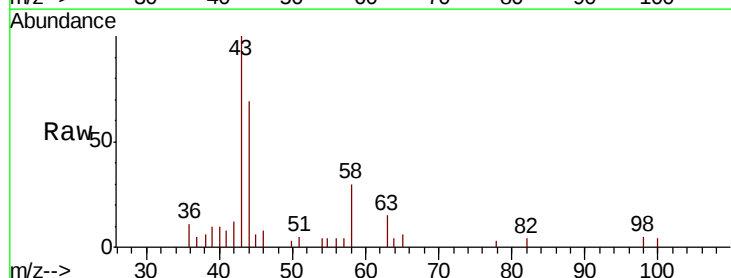
Acq: 02 Dec 2020 16:11

Tgt Ion: 43 Resp: 5544

Ion Ratio Lower Upper

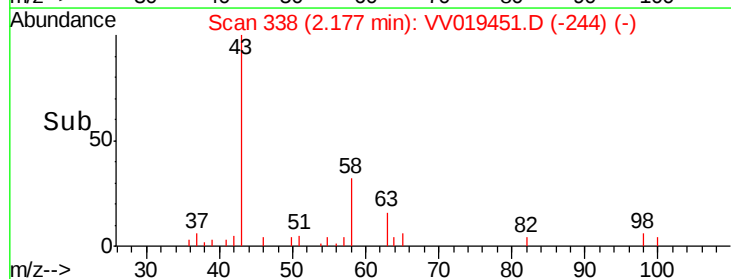
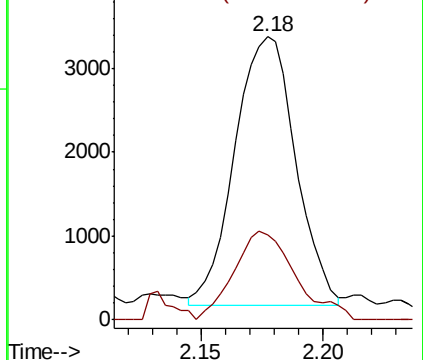
43 100

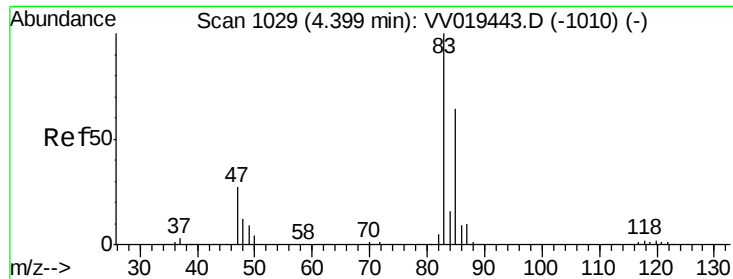
58 31.8 0.0 66.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

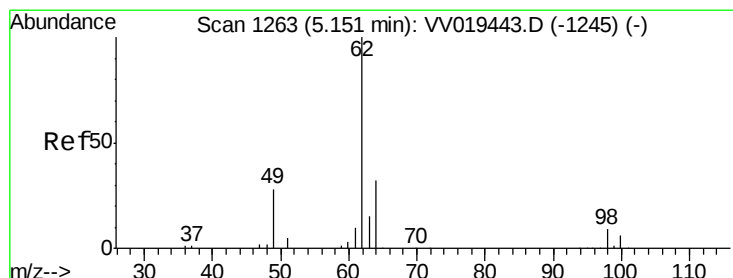
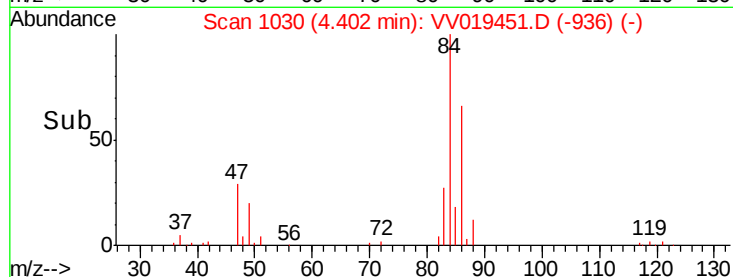
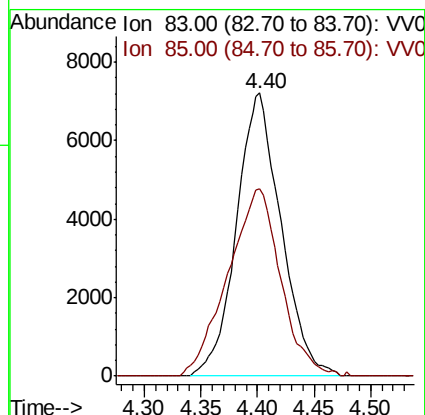
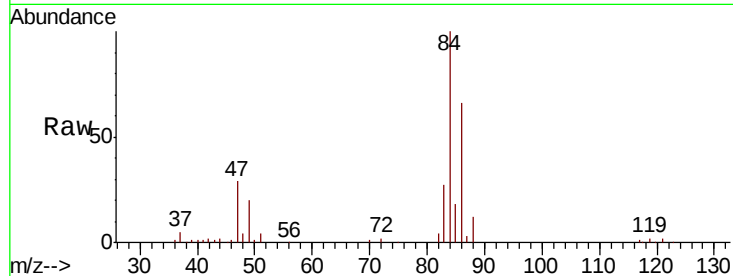




#25  
Chloroform  
Concen: 3.434 ug/L  
RT: 4.40 min Scan# 1030  
Delta R.T. 0.00 min  
Lab File: VV019451.D  
Acq: 02 Dec 2020 16:11

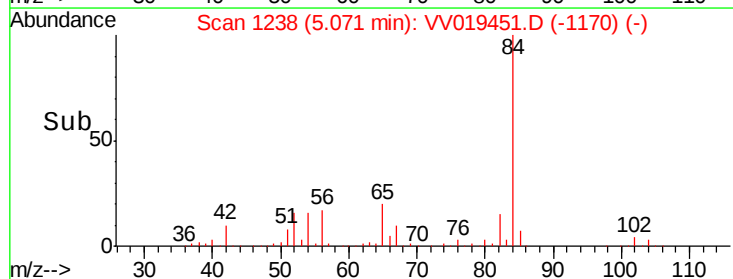
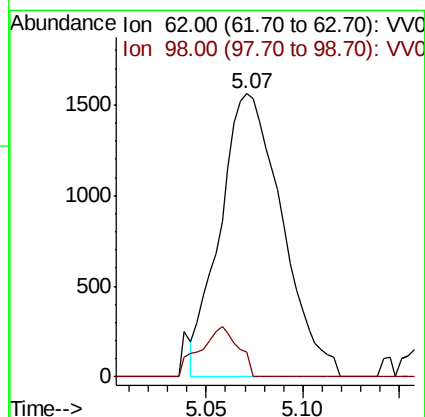
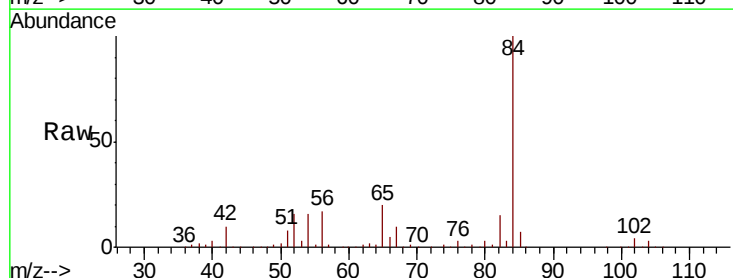
Instrument :  
MSVOA\_V  
ClientSampled :  
C0FW3

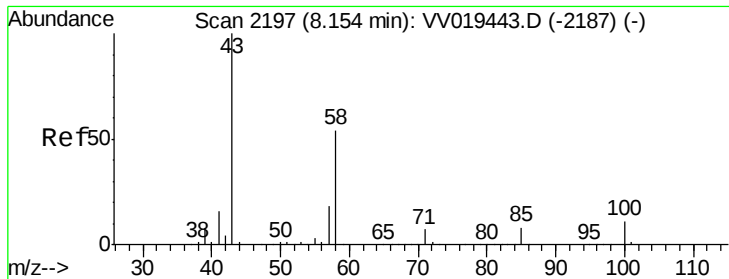
Tot Ion: 83 Resp: 19763  
Ion Ratio Lower Upper  
83 100  
85 66.3 45.1 83.9



#27  
1,2-Dichloroethane  
Concen: 0.769 ug/L  
RT: 5.07 min Scan# 1238  
Delta R.T. -0.08 min  
Lab File: VV019451.D  
Acq: 02 Dec 2020 16:11

Tgt Ion: 62 Resp: 3472  
Ion Ratio Lower Upper  
62 100  
98 8.9 7.6 11.4

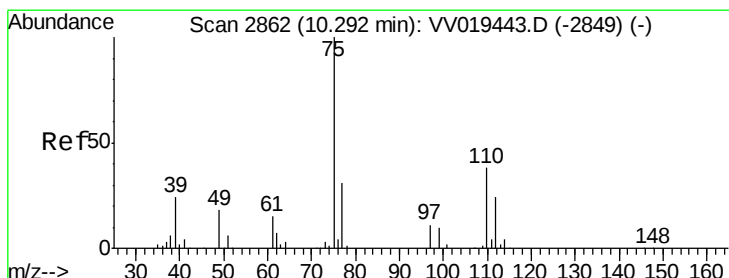
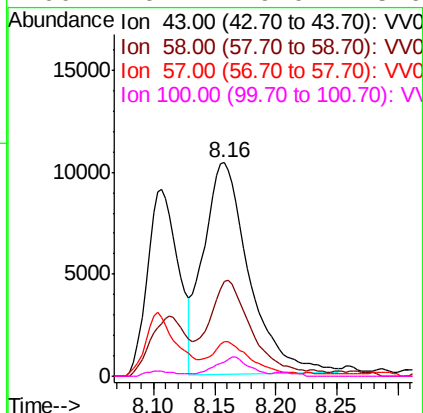
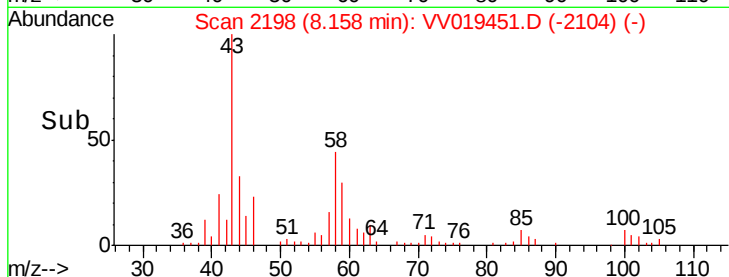
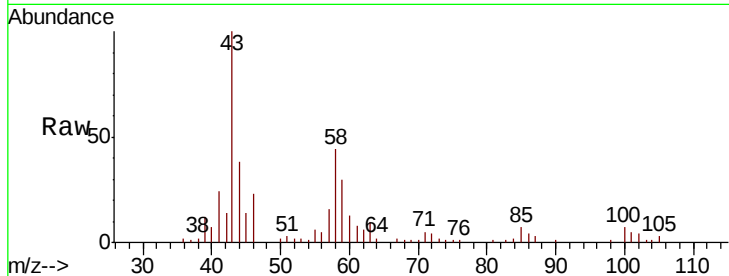




#48  
2-Hexanone  
Concen: 7.659 ug/L  
RT: 8.16 min Scan# 2198  
Delta R.T. 0.00 min  
Lab File: VV019451.D  
Acq: 02 Dec 2020 16:11

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0FW3

Tot Ion: 43 Resp: 27216  
Ion Ratio Lower Upper  
43 100  
58 37.7 43.8 65.6#  
57 12.1 15.4 23.2#  
100 6.7 9.0 13.6#



#59  
1,2,3-Trichloropropane  
Concen: 5.345 ug/L  
RT: 11.27 min Scan# 3166  
Delta R.T. 0.98 min  
Lab File: VV019451.D  
Acq: 02 Dec 2020 16:11

Tgt Ion: 75 Resp: 22340  
Ion Ratio Lower Upper  
75 100  
77 33.9 25.2 37.8

