

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV120720\  
 Data File : VV019498.D  
 Acq On : 07 Dec 2020 18:28  
 Operator : SY/MD  
 Sample : L4955-15  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG4H5

Quant Time: Dec 08 03:06:30 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120720WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Dec 08 03:05:02 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 296471   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 287468   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 125713   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 72122    | 39.08    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 78.16%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 96171    | 51.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 102.72% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 191919   | 44.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.86%  |
| 21) 2-Butanone-d5              | 3.89    | 46    | 149063   | 105.64   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 105.64% |
| 24) Chloroform-d               | 4.37    | 84    | 232407   | 54.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 108.70% |
| 26) 1,2-Dichloroethane-d4      | 5.05    | 65    | 166330   | 57.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 115.78% |
| 32) Benzene-d6                 | 5.07    | 84    | 461012   | 57.39    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 114.78% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 154990   | 56.66    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 113.32% |
| 41) Toluene-d8                 | 7.33    | 98    | 385677   | 55.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 111.26% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 67655    | 51.83    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 103.66% |
| 47) 2-Hexanone-d5              | 8.10    | 63    | 72524    | 90.40    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.40%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 152195   | 46.88    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 93.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.64   | 152   | 135727   | 59.51    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 119.02% |

## Target Compounds

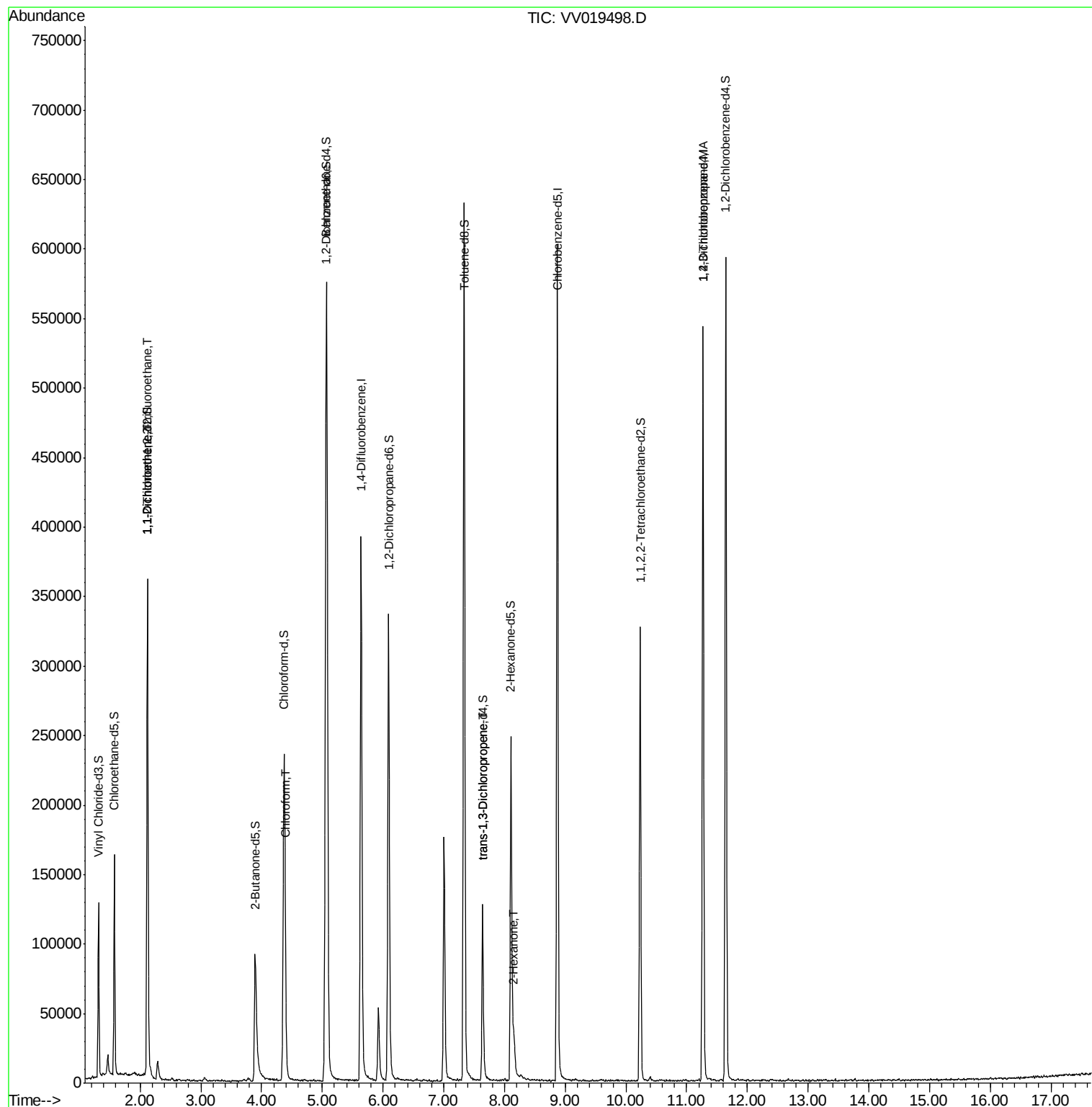
|                                |       |     |       |              | Ovalue |
|--------------------------------|-------|-----|-------|--------------|--------|
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.12  | 101 | 1705  | 1.011 ug/L # | 26     |
| 12) 1,1-Dichloroethene         | 2.12  | 96  | 1548  | 0.979 ug/L # | 1      |
| 25) Chloroform                 | 4.40  | 83  | 4739  | 1.134 ug/L   | 85     |
| 44) trans-1,3-Dichloropropene  | 7.64  | 75  | 3271  | 0.945 ug/L   | 83     |
| 48) 2-Hexanone                 | 8.16  | 43  | 18041 | 6.226 ug/L # | 81     |
| 59) 1,2,3-Trichloropropane     | 11.27 | 75  | 18708 | 6.212 ug/L   | 90     |

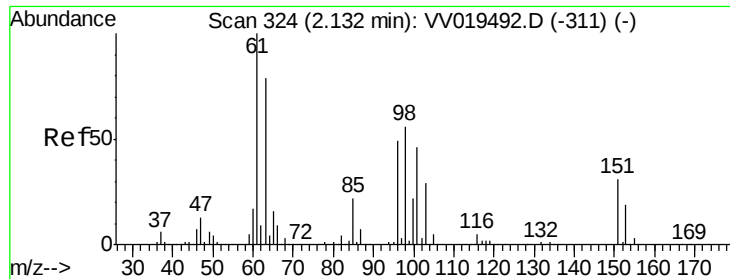
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 03:06:30 2020  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM120720WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Dec 08 03:05:02 2020  
Response via : Initial Calibration





#10

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

Concen: 1.011 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV019498.D

Acq: 07 Dec 2020 18:28

Instrument :

MSVOA\_V

ClientSampleId :

BG4H5

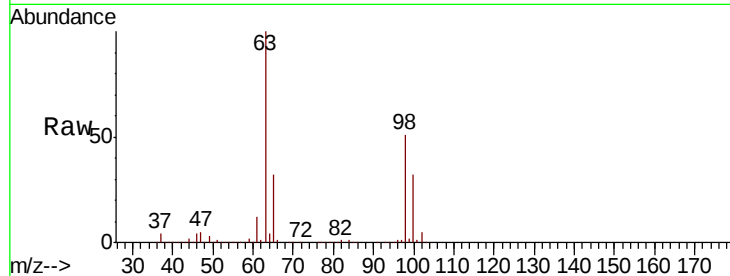
Tot Ion:101 Resp: 1705

Ion Ratio Lower Upper

101 100

85 2.5 37.3 55.9#

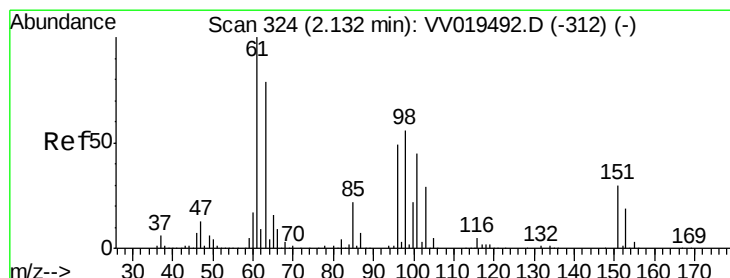
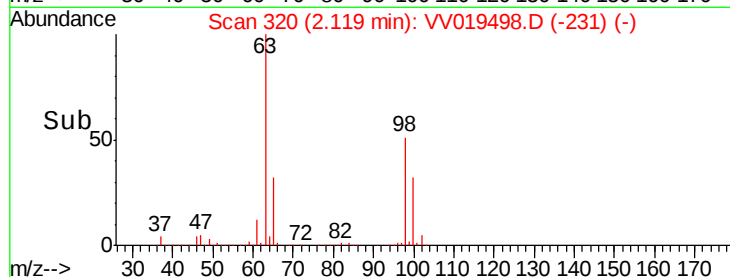
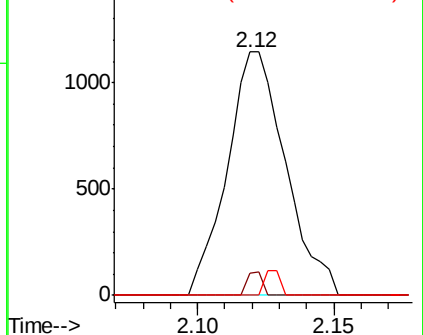
151 2.6 53.3 79.9#



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: 0.979 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.01 min

Lab File: VV019498.D

Acq: 07 Dec 2020 18:28

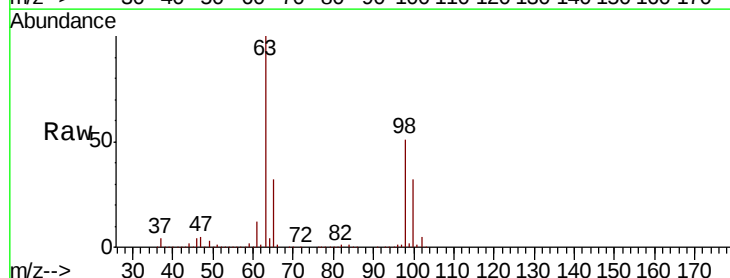
Tgt Ion: 96 Resp: 1548

Ion Ratio Lower Upper

96 100

61 1857.1 144.8 268.8#

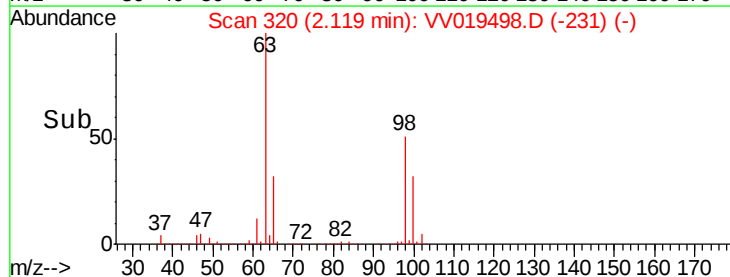
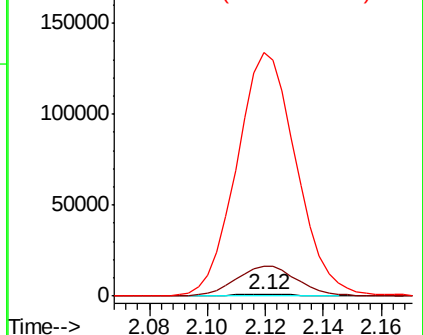
63 14935.7 110.0 204.2#

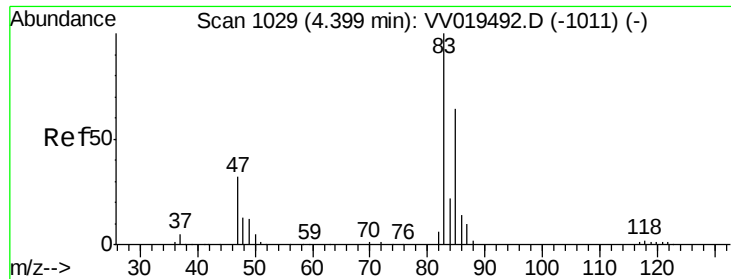


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

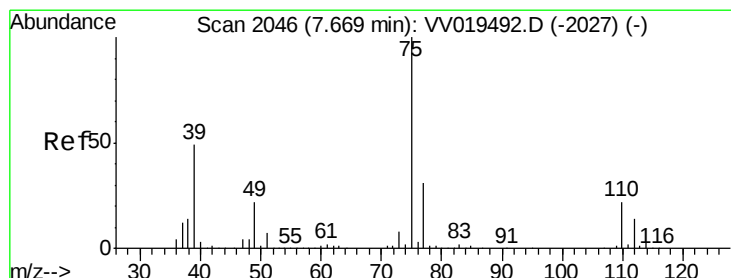
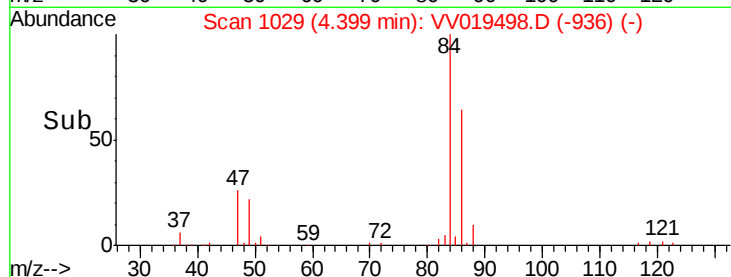
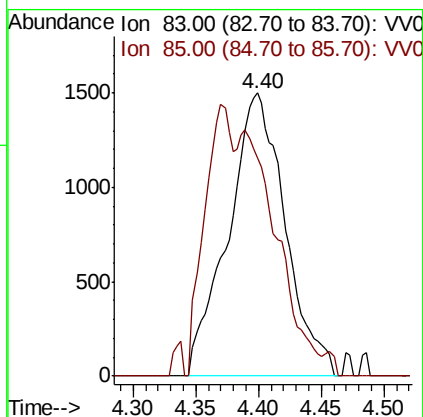
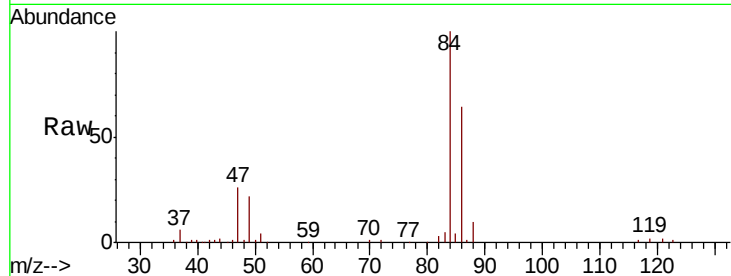




#25  
Chloroform  
Concen: 1.134 ug/L  
RT: 4.40 min Scan# 1029  
Delta R.T. 0.00 min  
Lab File: VV019498.D  
Acq: 07 Dec 2020 18:28

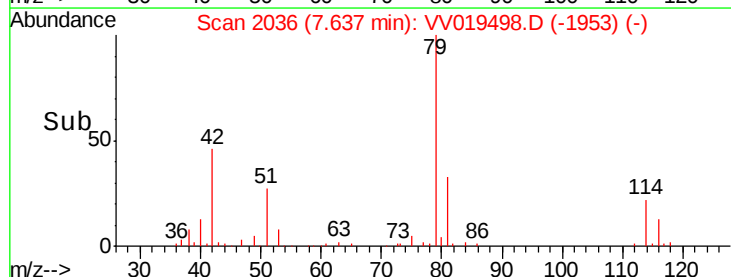
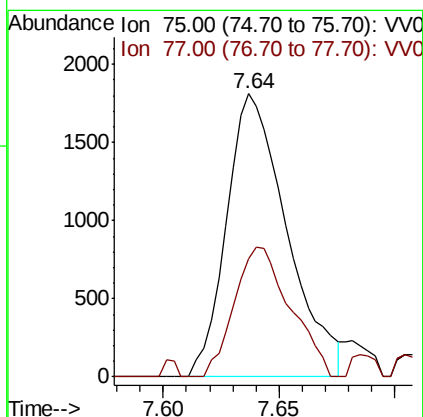
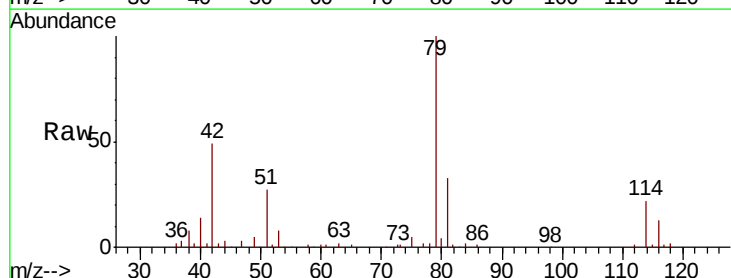
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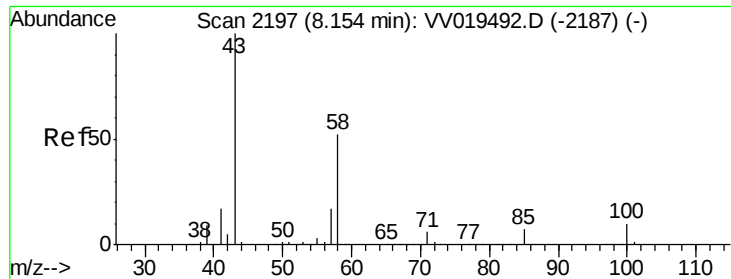
Tot Ion: 83 Resp: 4739  
Ion Ratio Lower Upper  
83 100  
85 76.9 45.4 84.2



#44  
trans-1,3-Dichloropropene  
Concen: 0.945 ug/L  
RT: 7.64 min Scan# 2036  
Delta R.T. -0.03 min  
Lab File: VV019498.D  
Acq: 07 Dec 2020 18:28

Tgt Ion: 75 Resp: 3271  
Ion Ratio Lower Upper  
75 100  
77 41.9 22.7 42.1

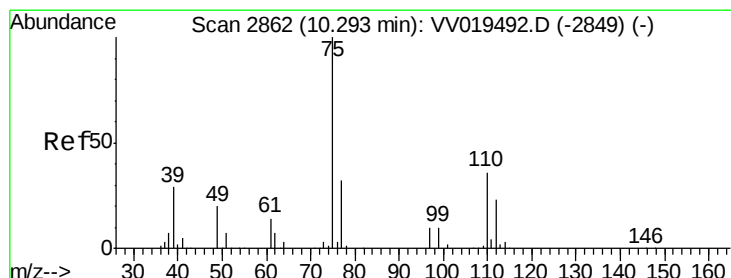
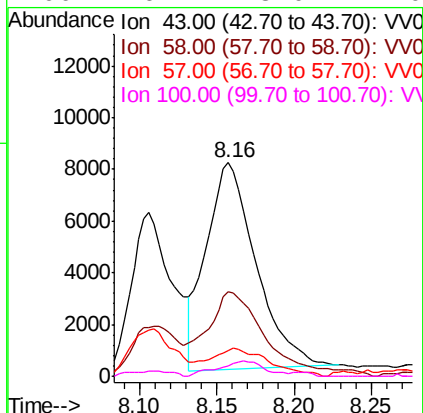
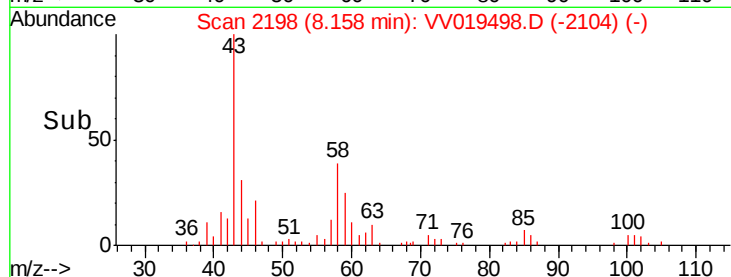
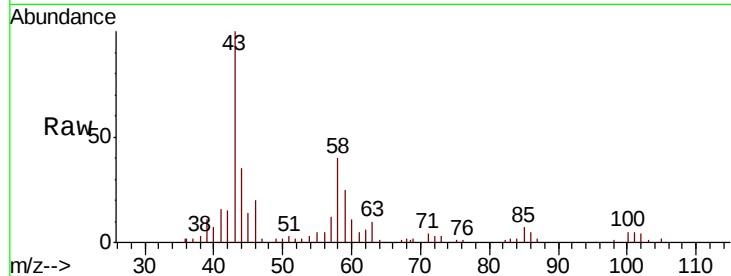




#48  
2-Hexanone  
Concen: 6.226 ug/L  
RT: 8.16 min Scan# 2198  
Delta R.T. 0.00 min  
Lab File: VV019498.D  
Acq: 07 Dec 2020 18:28

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG4H5

Tot Ion: 43 Resp: 18041  
Ion Ratio Lower Upper  
43 100  
58 40.1 41.0 61.6#  
57 3.3 14.2 21.2#  
100 6.7 8.0 12.0#



#59  
1,2,3-Trichloropropane  
Concen: 6.212 ug/L  
RT: 11.27 min Scan# 3165  
Delta R.T. 0.97 min  
Lab File: VV019498.D  
Acq: 07 Dec 2020 18:28

Tgt Ion: 75 Resp: 18708  
Ion Ratio Lower Upper  
75 100  
77 37.5 25.5 38.3

