

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV102020\  
 Data File : VV019034.D  
 Acq On : 21 Oct 2020 01:04  
 Operator : SY/MD  
 Sample : L4471-03  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Oct 21 08:05:36 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM101420WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Oct 21 07:57:26 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 285812   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 309045   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 132500   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 70098    | 29.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 59.60%# |
| 7) Chloroethane-d5             | 1.58    | 69    | 74660    | 40.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 80.10%  |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 130059   | 29.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 58.56%# |
| 21) 2-Butanone-d5              | 3.91    | 46    | 145276   | 88.59    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 88.59%  |
| 24) Chloroform-d               | 4.38    | 84    | 169284   | 40.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.10%  |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 122233   | 43.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 87.12%  |
| 32) Benzene-d6                 | 5.08    | 84    | 316916   | 35.13    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 70.26%  |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 108319   | 37.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 75.10%  |
| 41) Toluene-d8                 | 7.34    | 98    | 276830   | 34.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 68.40%# |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 48426    | 34.35    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 68.70%  |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 81504    | 76.06    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 76.06%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.23   | 84    | 117240   | 34.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 69.36%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 125241   | 46.46    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 92.92%  |

## Target Compounds

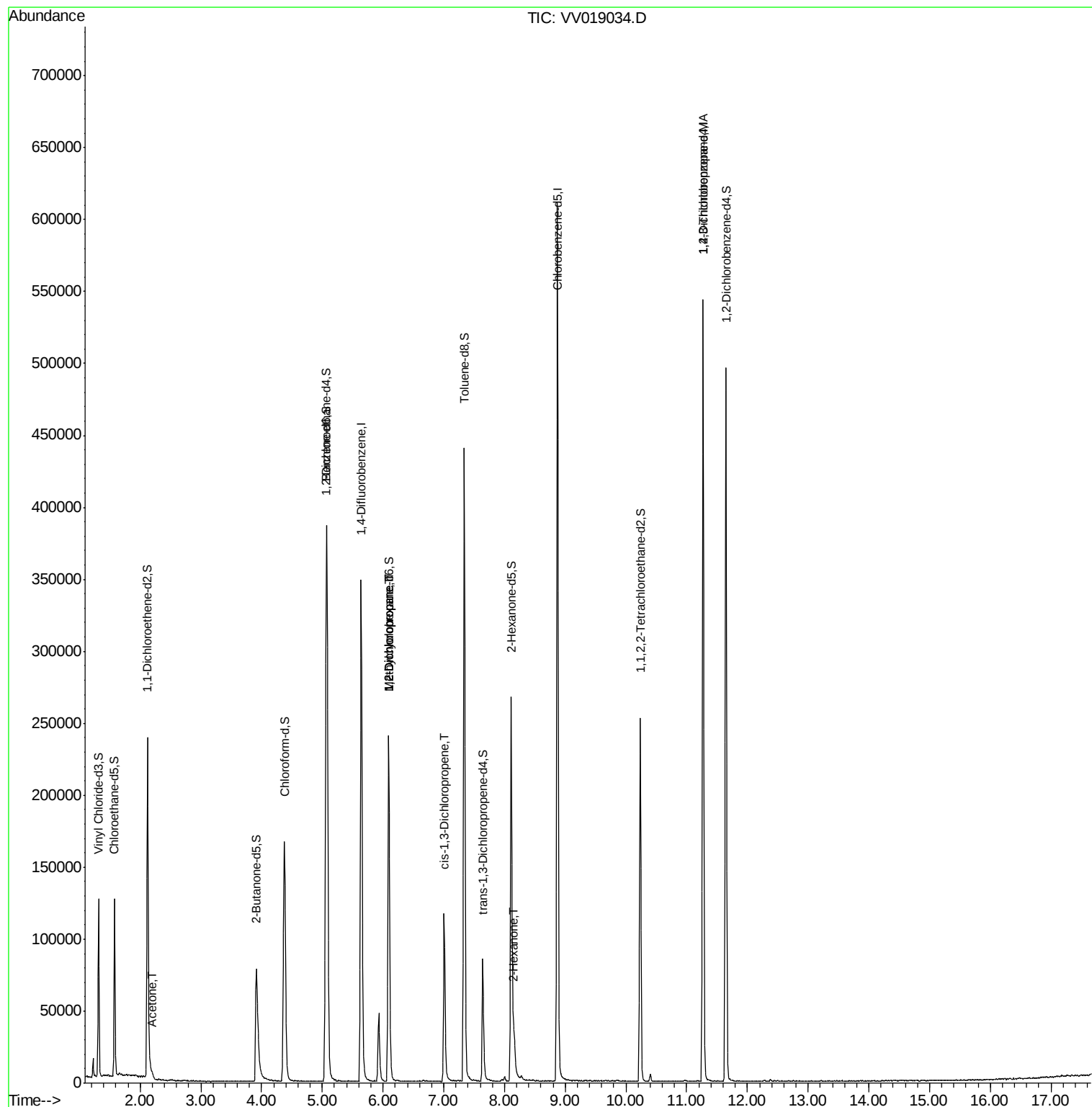
|                             |       |    |       |              | Ovalue |
|-----------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                 | 2.20  | 43 | 5793  | 4.834 ug/L   | 71     |
| 35) Methylcyclohexane       | 6.09  | 83 | 26635 | 8.050 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.09  | 63 | 12607 | 4.971 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.01  | 75 | 3254  | 0.854 ug/L # | 63     |
| 48) 2-Hexanone              | 8.16  | 43 | 19373 | 6.986 ug/L # | 81     |
| 59) 1,2,3-Trichloropropane  | 11.27 | 75 | 15497 | 5.048 ug/L   | 90     |

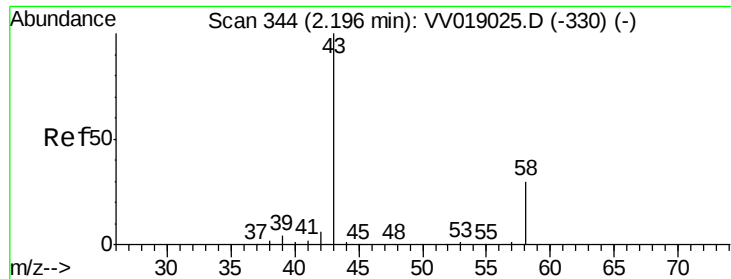
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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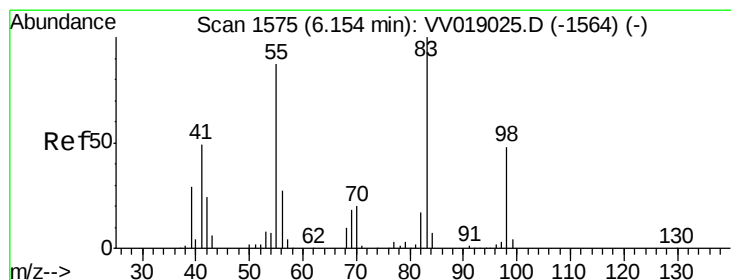
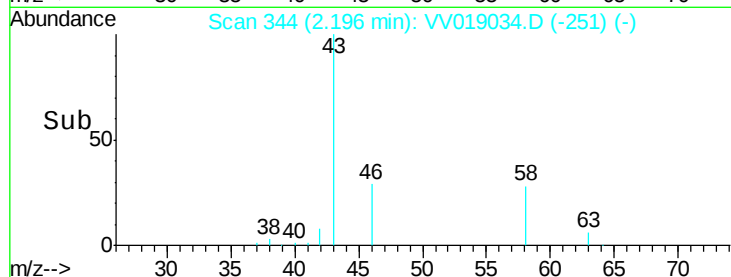
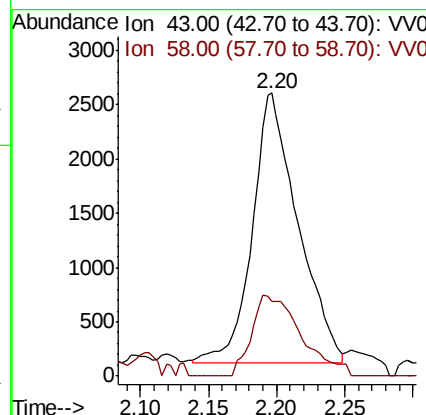
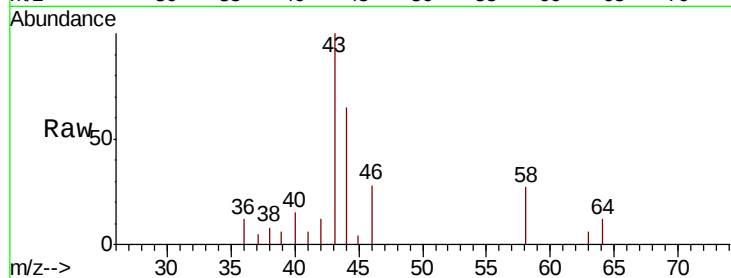




#13  
Acetone  
Concen: 4.834 ug/L  
RT: 2.20 min Scan# 344  
Delta R.T. 0.00 min  
Lab File: VV019034.D  
Acq: 21 Oct 2020 01:04

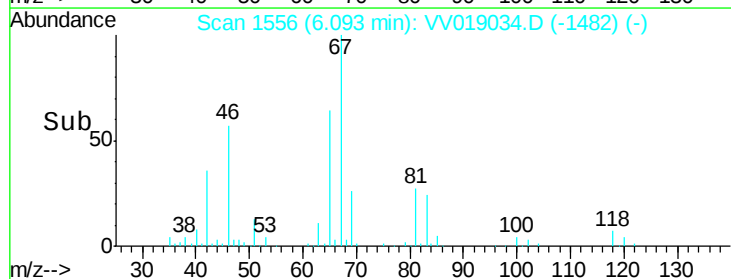
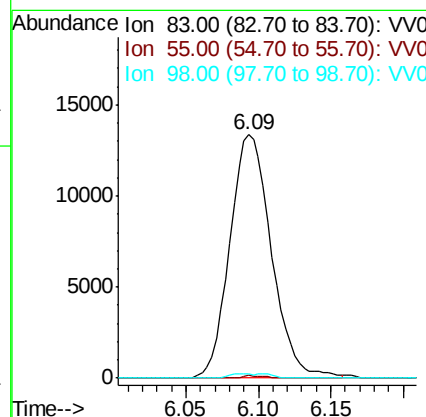
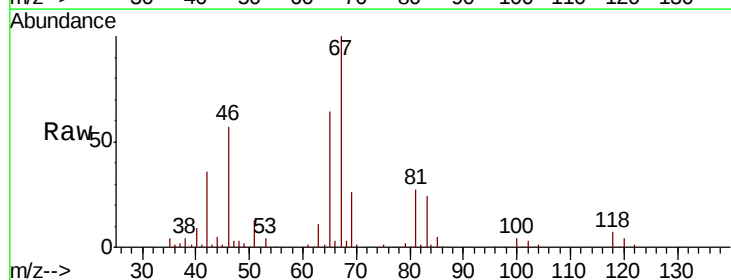
Instrument :  
MSVOA\_V  
ClientSampleId :

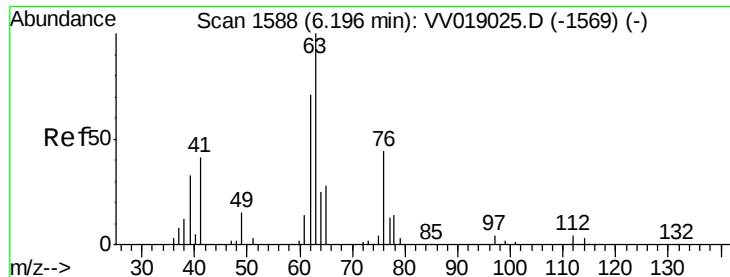
Tot Ion: 43 Resp: 5793  
Ion Ratio Lower Upper  
43 100  
58 13.8 0.0 58.8



#35  
Methylcyclohexane  
Concen: 8.050 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.06 min  
Lab File: VV019034.D  
Acq: 21 Oct 2020 01:04

Tgt Ion: 83 Resp: 26635  
Ion Ratio Lower Upper  
83 100  
55 0.4 67.3 100.9#  
98 1.0 37.9 56.9#

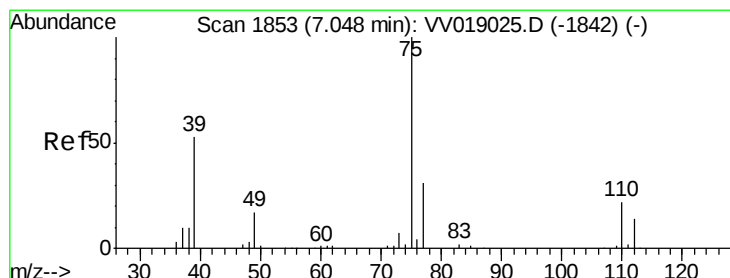
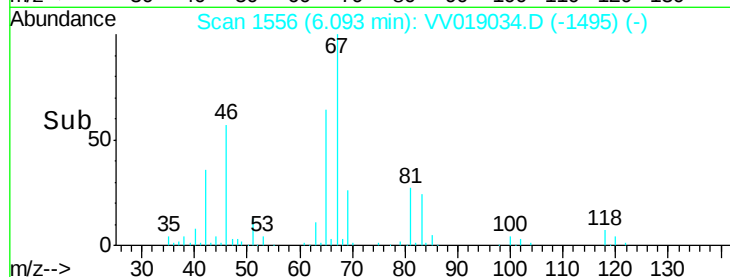
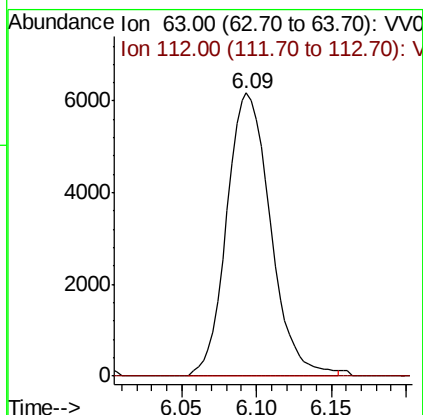
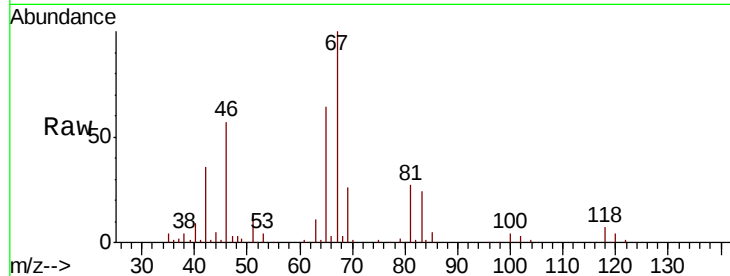




#37  
 1,2-Dichloropropane  
 Concen: 4.971 ug/L  
 RT: 6.09 min Scan# 1556  
 Delta R.T. -0.10 min  
 Lab File: VV019034.D  
 Acq: 21 Oct 2020 01:04

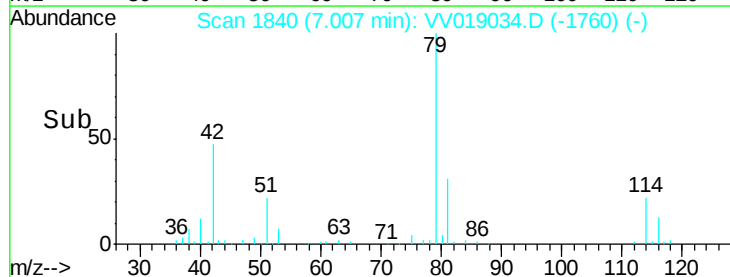
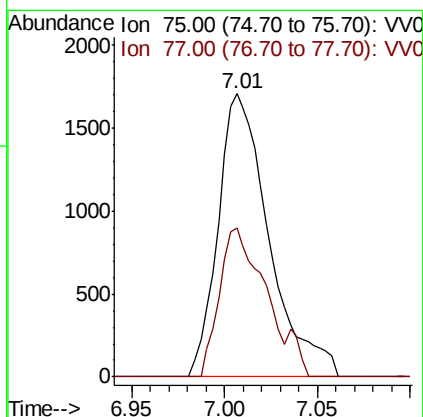
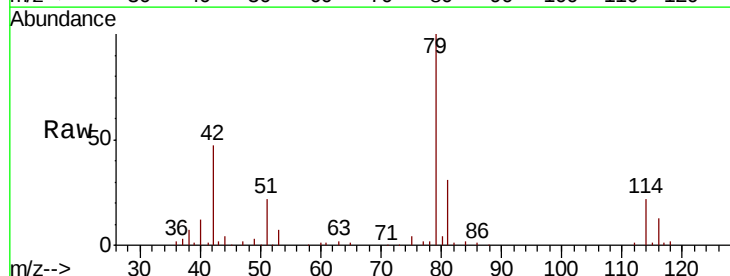
Instrument :  
 MSVOA\_V  
 ClientSampleId :

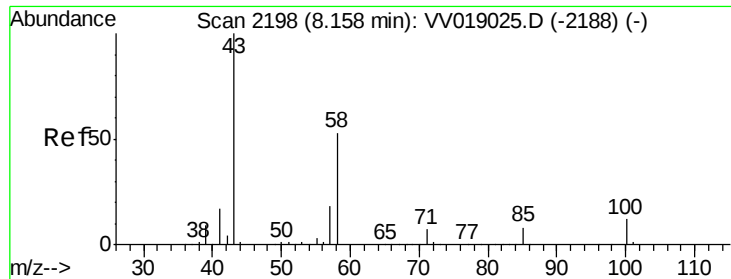
Tot Ion: 63 Resp: 12607  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.3 4.9#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.854 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV019034.D  
 Acq: 21 Oct 2020 01:04

Tgt Ion: 75 Resp: 3254  
 Ion Ratio Lower Upper  
 75 100  
 77 52.8 22.5 41.9#

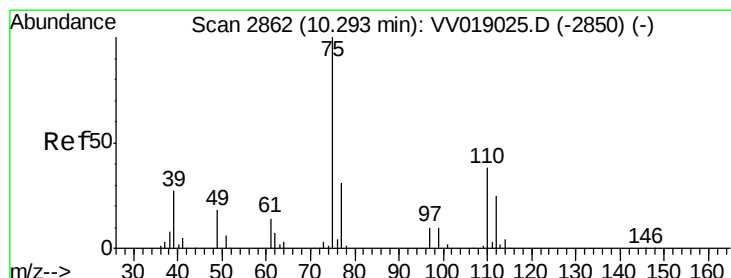
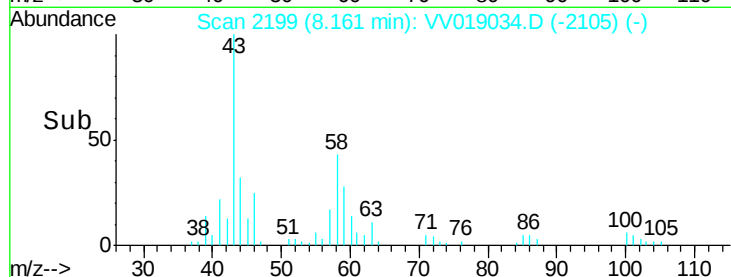
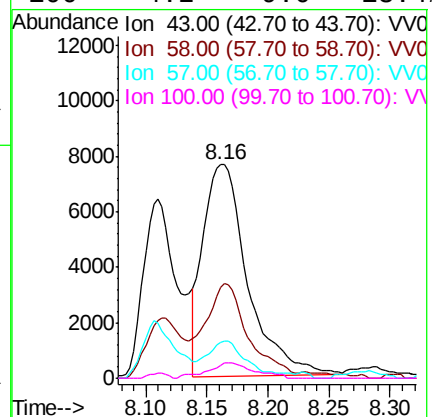
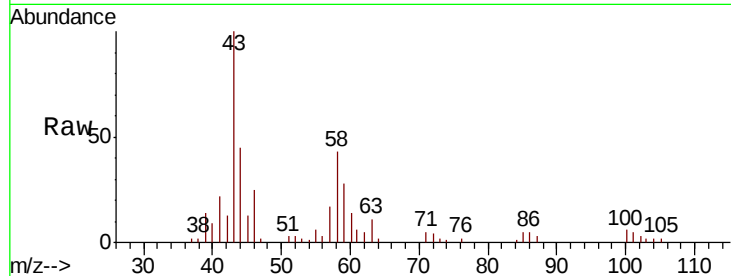




#48  
2-Hexanone  
Concen: 6.986 ug/L  
RT: 8.16 min Scan# 2199  
Delta R.T. 0.00 min  
Lab File: VV019034.D  
Acq: 21 Oct 2020 01:04

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 43 Resp: 19373  
Ion Ratio Lower Upper  
43 100  
58 37.6 42.5 63.7#  
57 13.0 14.5 21.7#  
100 4.2 9.0 13.4#



#59  
1,2,3-Trichloropropane  
Concen: 5.048 ug/L  
RT: 11.27 min Scan# 3166  
Delta R.T. 0.98 min  
Lab File: VV019034.D  
Acq: 21 Oct 2020 01:04

Tgt Ion: 75 Resp: 15497  
Ion Ratio Lower Upper  
75 100  
77 37.1 25.4 38.2

