

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW031221\  
 Data File : VW020525.D  
 Acq On : 11 Mar 2021 10:35  
 Operator : SY/MD  
 Sample : VW0312MBL01  
 Misc : 5.00G/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK63

Quant Time: Mar 12 04:11:30 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM030521WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Mar 12 04:11:04 2021  
 Response via : Initial Calibration

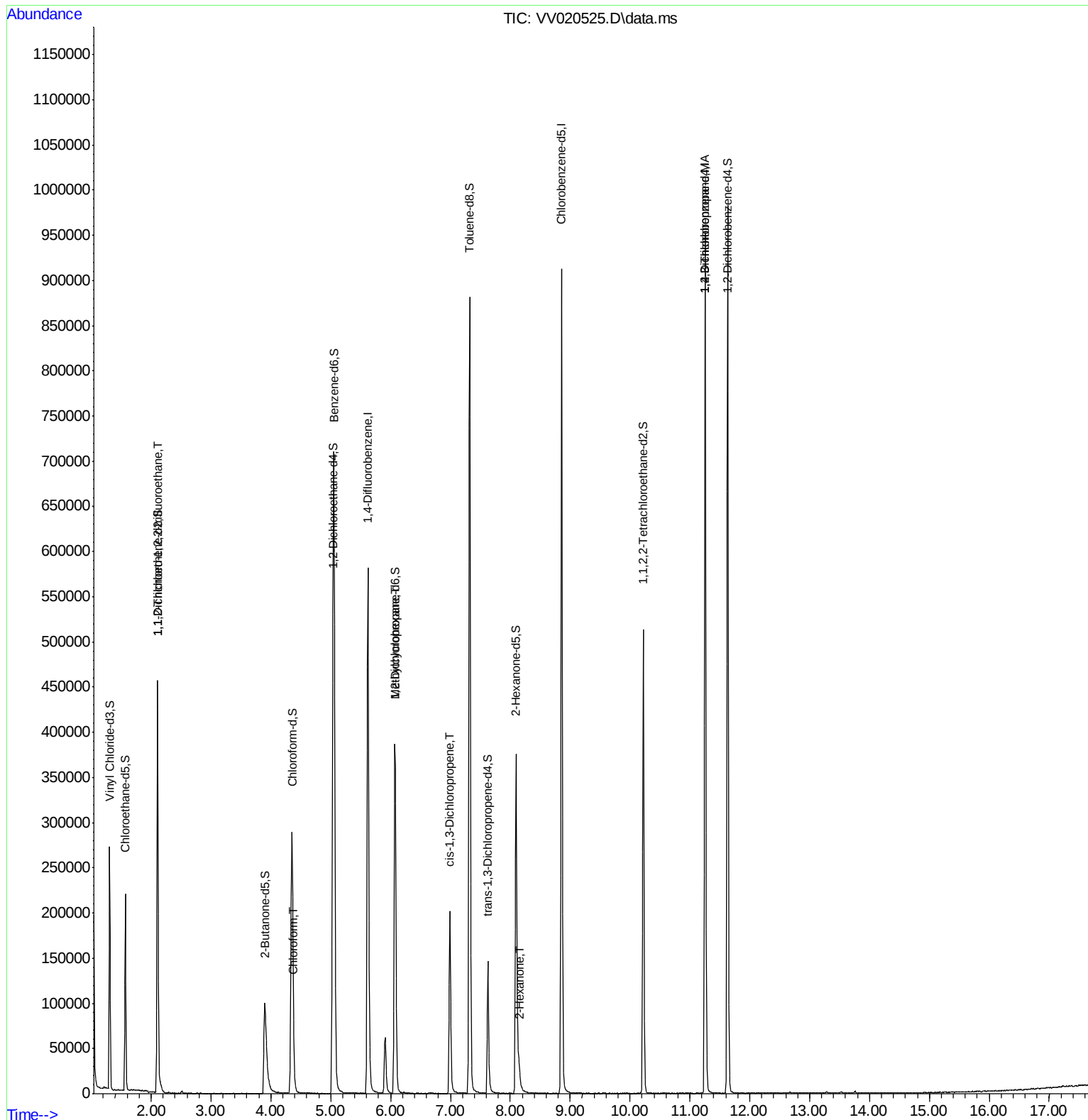
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.622          | 114  | 541538     | 50.00   | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 8.857          | 117  | 535372     | 50.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255         | 152  | 268398     | 50.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 169229     | 42.64   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 85.28%  |        |          |
| 7) Chloroethane-d5            | 1.568          | 69   | 141783     | 46.12   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 92.24%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.108          | 63   | 226265     | 33.83   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 67.66%  |        |          |
| 21) 2-Butanone-d5             | 3.899          | 46   | 197932     | 98.46   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 98.46%  |        |          |
| 24) Chloroform-d              | 4.352          | 84   | 315553     | 45.98   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.96%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.037          | 65   | 201009     | 47.67   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 95.34%  |        |          |
| 32) Benzene-d6                | 5.053          | 84   | 650234     | 48.15   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 96.30%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 193629     | 47.43   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 94.86%  |        |          |
| 41) Toluene-d8                | 7.320          | 98   | 598588     | 45.83   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 91.66%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 86904      | 44.71   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 89.42%  |        |          |
| 47) 2-Hexanone-d5             | 8.091          | 63   | 131620     | 90.15   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 90.15%  |        |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.223         | 84   | 239181     | 44.22   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 88.44%  |        |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.632         | 152  | 282401     | 53.74   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 107.48% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.108          | 101  | 2396       | 0.68    | ug/L # | 28       |
| 25) Chloroform                | 4.381          | 83   | 12840      | 1.89    | ug/L   | 89       |
| 35) Methylcyclohexane         | 6.075          | 83   | 49737      | 9.18    | ug/L # | 17       |
| 39) cis-1,3-Dichloropropene   | 6.992          | 75   | 5133       | 0.96    | ug/L # | 62       |
| 48) 2-Hexanone                | 8.149          | 43   | 14628      | 4.64    | ug/L # | 97       |
| 59) 1,2,3-Trichloropropane    | 11.255         | 75   | 25116      | 5.34    | ug/L # | 87       |
| -----                         |                |      |            |         |        |          |

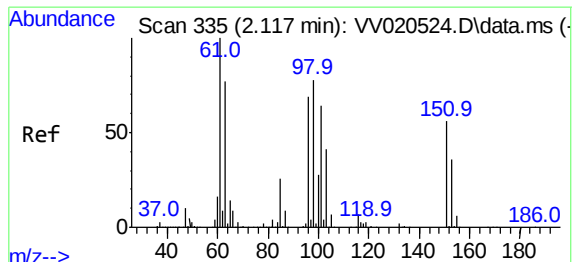
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV031221\  
Data File : VV020525.D  
Acq On : 11 Mar 2021 10:35  
Operator : SY/MD  
Sample : VV0312MBL01  
Misc : 5.00G/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK63

Quant Time: Mar 12 04:11:30 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM030521WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Mar 12 04:11:04 2021  
Response via : Initial Calibration

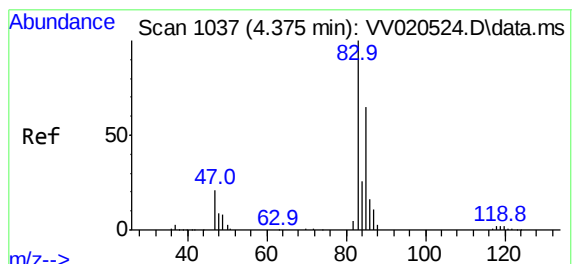
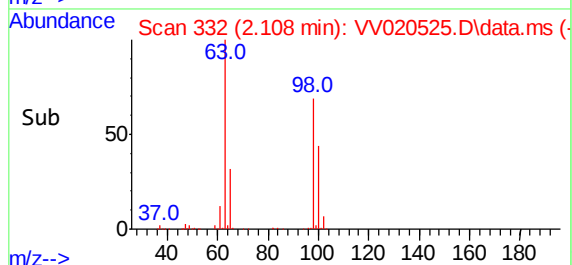
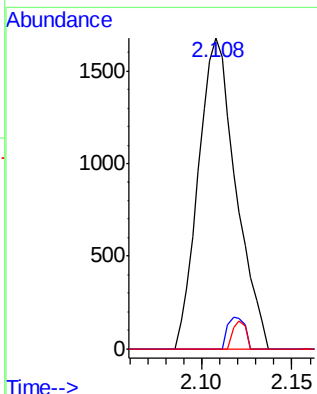
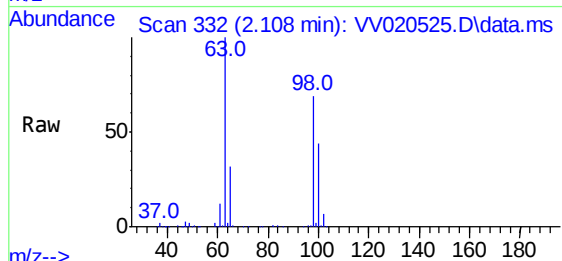




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.68 ug/L  
 RT: 2.108 min Scan# 332  
 Delta R.T. -0.010 min  
 Lab File: VV020525.D  
 Acq: 11 Mar 2021 10:35

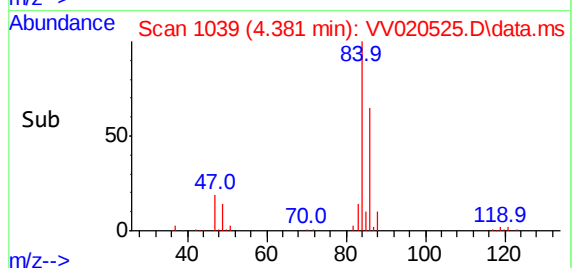
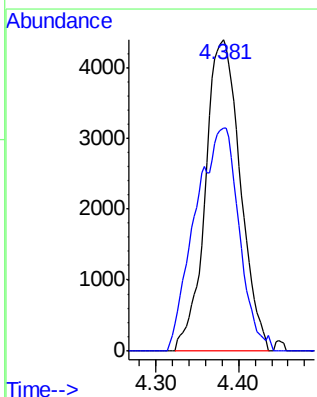
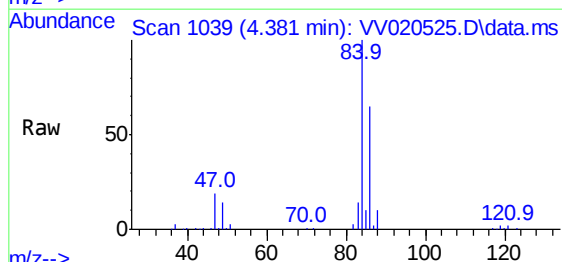
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK63

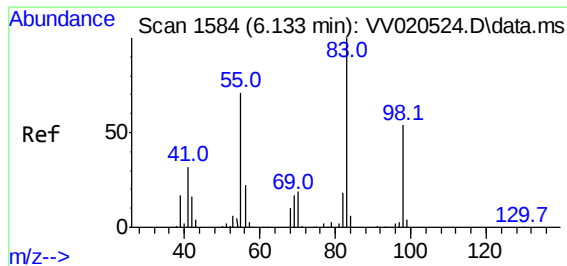
Tgt Ion:101 Resp: 2396  
 Ion Ratio Lower Upper  
 101 100  
 85 4.7 35.3 52.9#  
 151 3.2 53.6 80.4#



#25  
 Chloroform  
 Concen: 1.89 ug/L  
 RT: 4.381 min Scan# 1039  
 Delta R.T. 0.006 min  
 Lab File: VV020525.D  
 Acq: 11 Mar 2021 10:35

Tgt Ion: 83 Resp: 12840  
 Ion Ratio Lower Upper  
 83 100  
 85 71.6 44.2 82.2

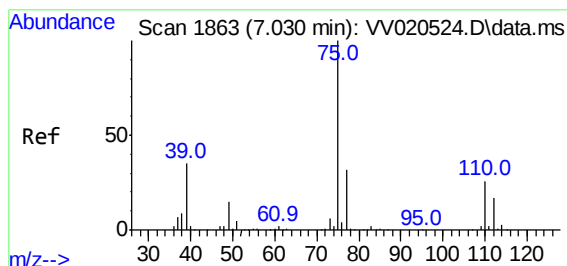
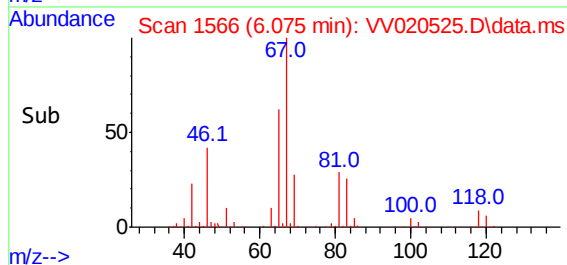
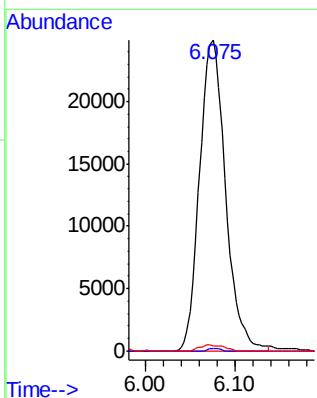
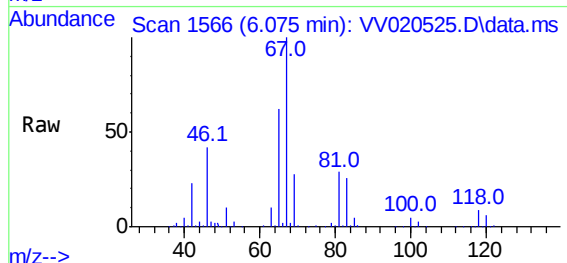




#35  
Methylcyclohexane  
Concen: 9.18 ug/L  
RT: 6.075 min Scan# 1566  
Delta R.T. -0.058 min  
Lab File: VV020525.D  
Acq: 11 Mar 2021 10:35

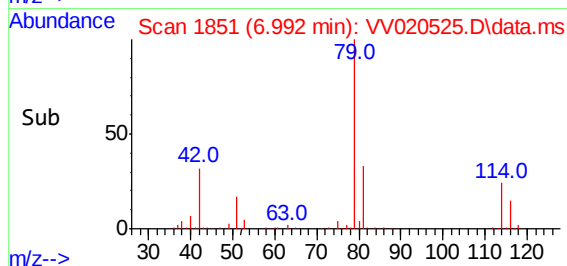
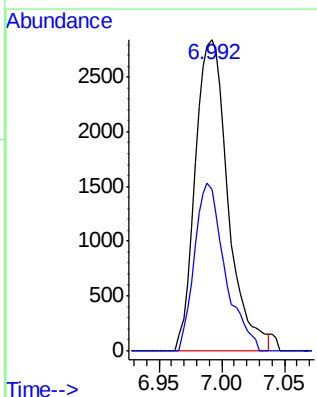
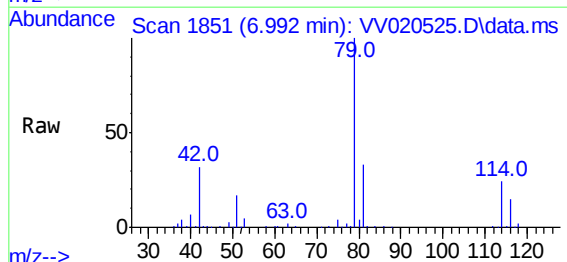
Instrument :  
MSVOA\_V  
ClientSampled :  
VBLK63

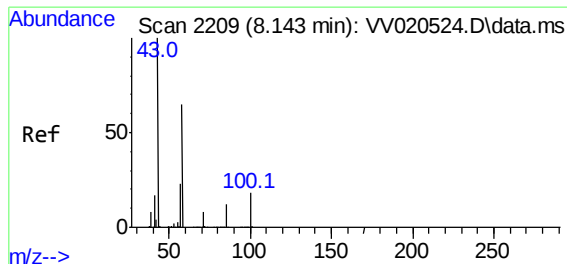
Tgt Ion: 83 Resp: 49737  
Ion Ratio Lower Upper  
83 100  
55 0.3 65.1 97.7#  
98 1.8 38.2 57.2#



#39  
cis-1,3-Dichloropropene  
Concen: 0.96 ug/L  
RT: 6.992 min Scan# 1851  
Delta R.T. -0.039 min  
Lab File: VV020525.D  
Acq: 11 Mar 2021 10:35

Tgt Ion: 75 Resp: 5133  
Ion Ratio Lower Upper  
75 100  
77 52.0 21.8 40.6#



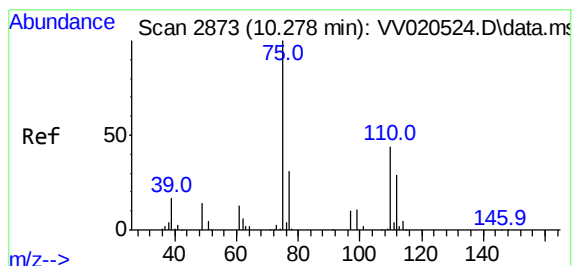
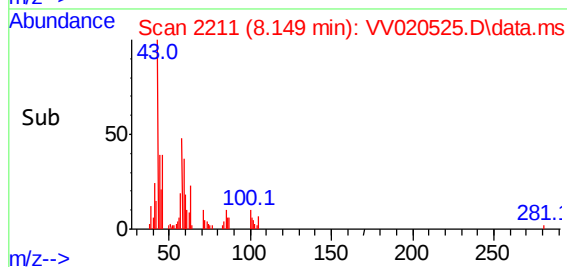
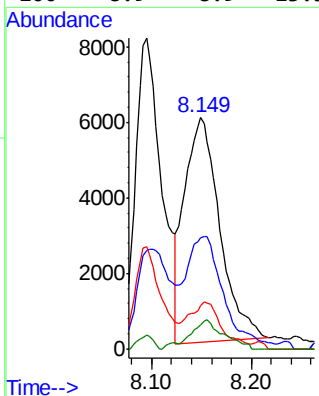
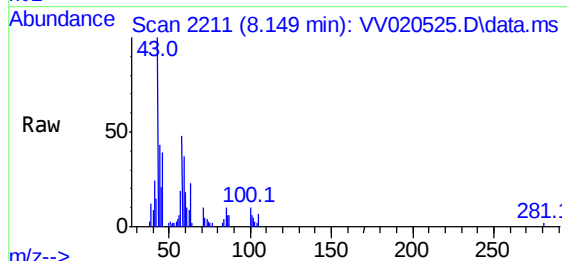


#48  
2-Hexanone  
Concen: 4.64 ug/L  
RT: 8.149 min Scan# 2211  
Delta R.T. 0.006 min  
Lab File: VV020525.D  
Acq: 11 Mar 2021 10:35

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK63

Tgt Ion: 43 Resp: 14628

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 50.5  | 41.8  | 62.6  |
| 57  | 20.0  | 15.0  | 22.4  |
| 100 | 8.9   | 8.9   | 13.3  |



#59  
1,2,3-Trichloropropane  
Concen: 5.34 ug/L  
RT: 11.255 min Scan# 3177  
Delta R.T. 0.977 min  
Lab File: VV020525.D  
Acq: 11 Mar 2021 10:35

Tgt Ion: 75 Resp: 25116

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 38.8  | 25.4  | 38.0  |

