

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042621\  
 Data File : VW021157.D  
 Acq On : 26 Apr 2021 21:08  
 Operator : SY/MD  
 Sample : M2165-14ME 4X  
 Misc : 5.72g/5.0mL/100uL/5.0mL/MSVOA\_V/MEOH  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 27 04:20:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 27 04:16:04 2021  
 Response via : Initial Calibration

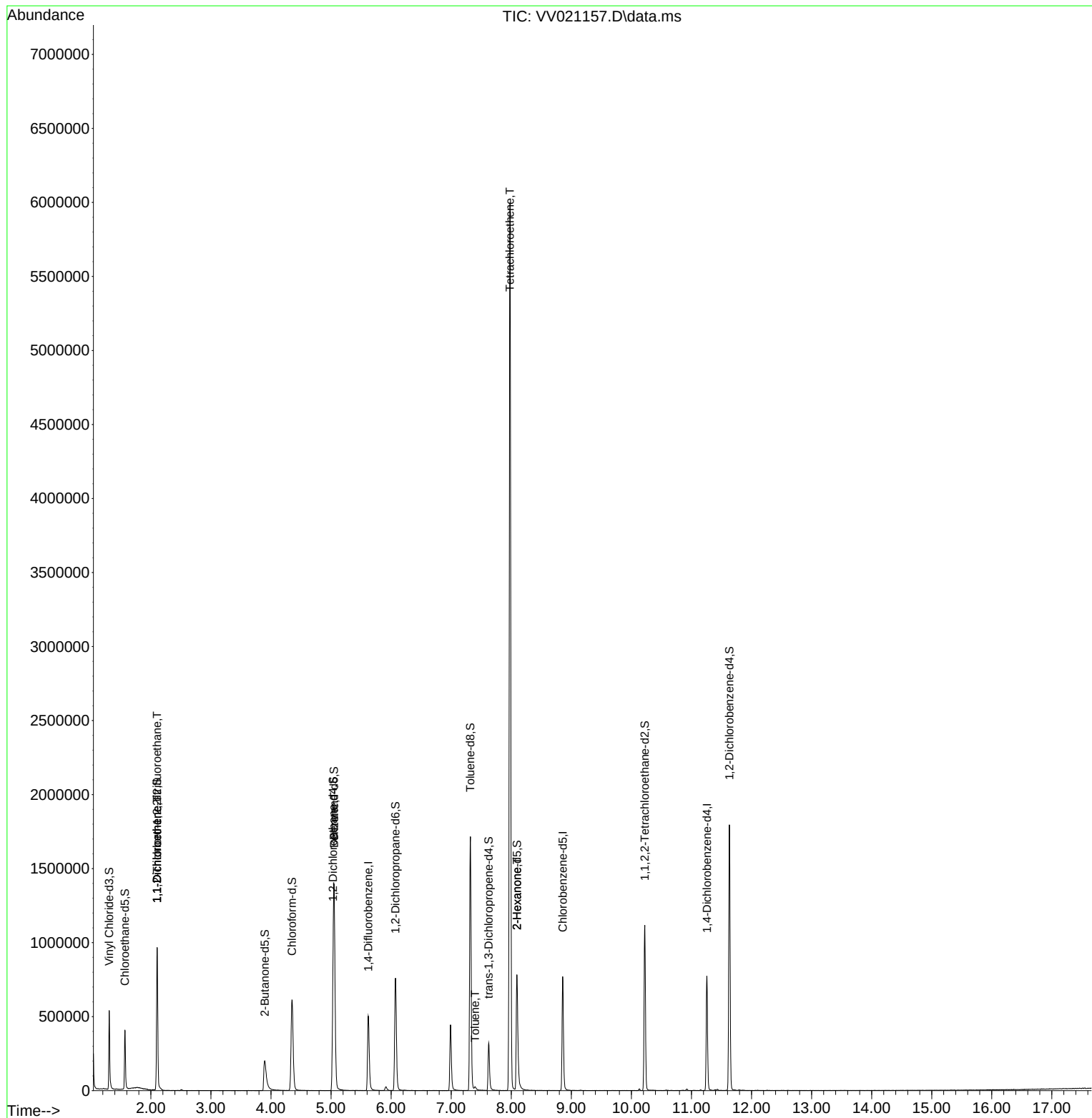
| Compound                      | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                         |                |      |                     |        |        |          |
| Internal Standards            |                |      |                     |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 444905              | 50.00  | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857          | 117  | 436695              | 50.00  | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.258         | 152  | 216319              | 50.00  | ug/L   | 0.00     |
|                               |                |      |                     |        |        |          |
| System Monitoring Compounds   |                |      |                     |        |        |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 354613              | 97.00  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = 194.00%# |        |        |          |
| 7) Chloroethane-d5            | 1.567          | 69   | 264155              | 98.22  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = 196.44%# |        |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.104          | 63   | 488927              | 72.51  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 145.02%# |        |        |          |
| 21) 2-Butanone-d5             | 3.895          | 46   | 378927              | 212.26 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = 212.26%# |        |        |          |
| 24) Chloroform-d              | 4.349          | 84   | 637161              | 97.76  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 195.52%# |        |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 433000              | 104.51 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 209.02%# |        |        |          |
| 32) Benzene-d6                | 5.050          | 84   | 1188193             | 102.16 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = 204.32%# |        |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 360229              | 103.77 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = 207.54%# |        |        |          |
| 41) Toluene-d8                | 7.320          | 98   | 1135883             | 100.91 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 201.82%# |        |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 192445              | 101.44 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = 202.88%# |        |        |          |
| 47) 2-Hexanone-d5             | 8.095          | 63   | 310062              | 225.19 | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = 225.19%# |        |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.223         | 84   | 504504              | 96.35  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = 192.70%# |        |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.631         | 152  | 469301              | 109.83 | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = 219.66%# |        |        |          |
|                               |                |      |                     |        |        |          |
| Target Compounds              |                |      |                     |        |        | Qvalue   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.104          | 101  | 4720                | 1.35   | ug/L # | 19       |
| 12) 1,1-Dichloroethene        | 2.104          | 96   | 4370                | 1.38   | ug/L # | 1        |
| 33) Benzene                   | 5.053          | 78   | 10279               | 0.84   | ug/L   | 100      |
| 42) Toluene                   | 7.397          | 91   | 15636               | 1.17   | ug/L   | 98       |
| 46) Tetrachloroethene         | 7.979          | 164  | 1315260             | 436.46 | ug/L   | 96       |
| 48) 2-Hexanone                | 8.095          | 43   | 35753               | 12.56  | ug/L # | 66       |
| -----                         |                |      |                     |        |        |          |

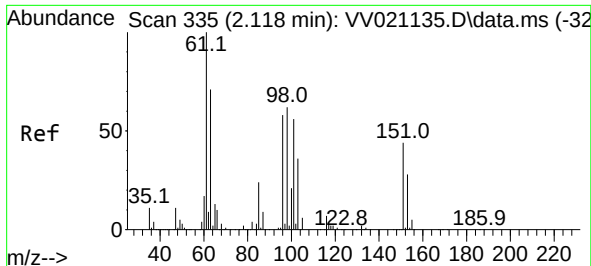
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Apr 27 04:20:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 27 04:16:04 2021  
Response via : Initial Calibration

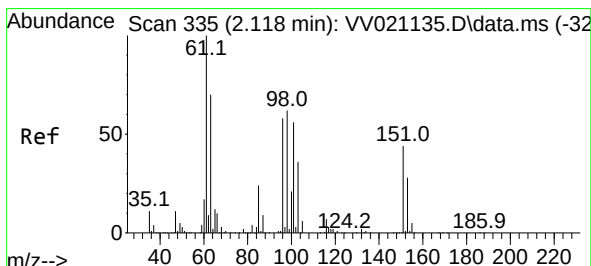
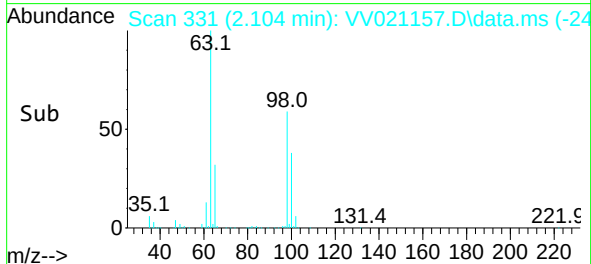
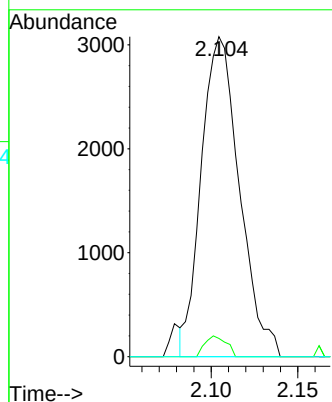
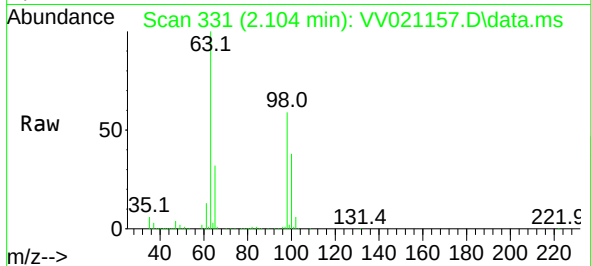




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.35 ug/L  
 RT: 2.104 min Scan# 331  
 Delta R.T. -0.013 min  
 Lab File: VV021157.D  
 Acq: 26 Apr 2021 21:08

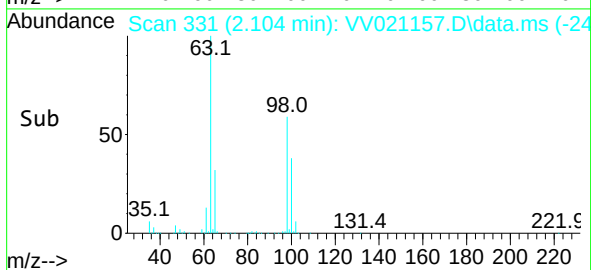
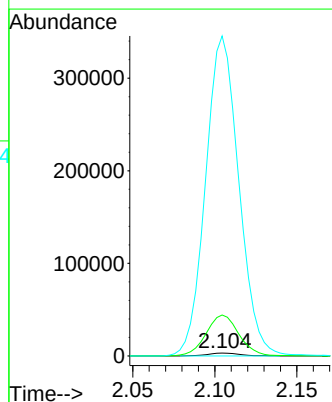
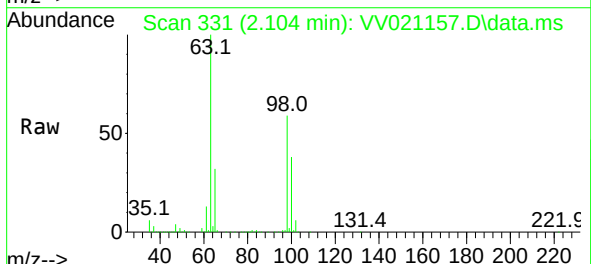
Instrument :  
 MSVOA\_V  
 ClientSampleId :

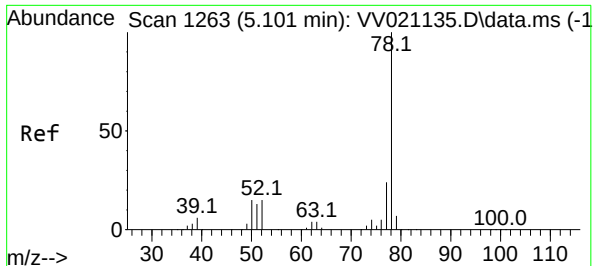
Tgt Ion:101 Resp: 4720  
 Ion Ratio Lower Upper  
 101 100  
 85 3.6 35.4 53.2#  
 151 0.0 63.9 95.9#



#12  
 1,1-Dichloroethene  
 Concen: 1.38 ug/L  
 RT: 2.104 min Scan# 331  
 Delta R.T. -0.013 min  
 Lab File: VV021157.D  
 Acq: 26 Apr 2021 21:08

Tgt Ion: 96 Resp: 4370  
 Ion Ratio Lower Upper  
 96 100  
 61 1416.8 121.4 225.6#  
 63 11069.8 98.1 182.1#





#33

Benzene

Concen: 0.84 ug/L

RT: 5.053 min Scan# 1248

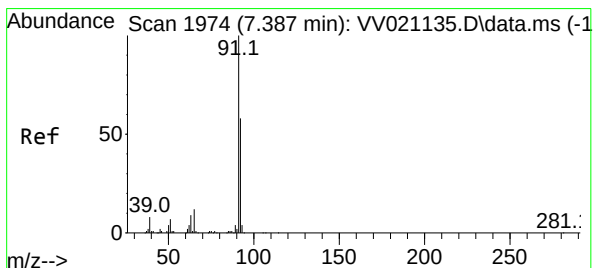
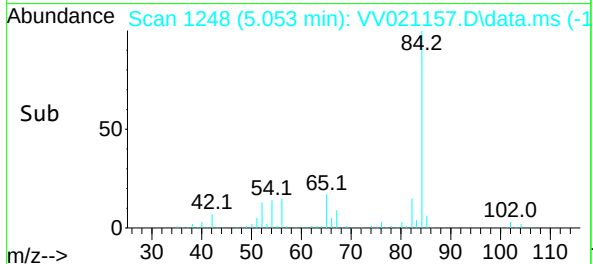
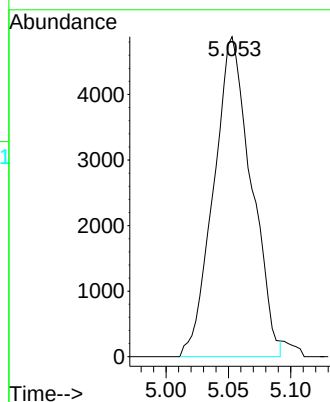
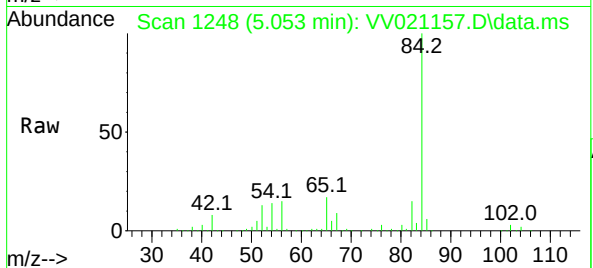
Delta R.T. -0.048 min

Lab File: VV021157.D

Acq: 26 Apr 2021 21:08

Tgt Ion: 78 Resp: 10279

Instrument :  
MSVOA\_V  
ClientSampled :



#42

Toluene

Concen: 1.17 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.009 min

Lab File: VV021157.D

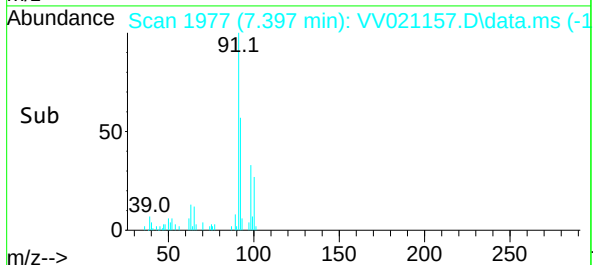
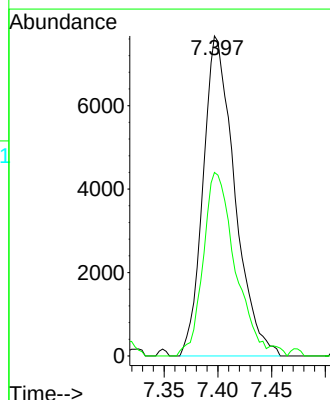
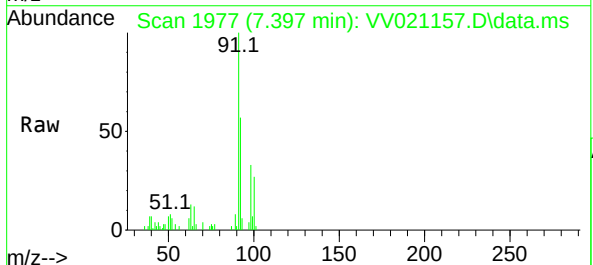
Acq: 26 Apr 2021 21:08

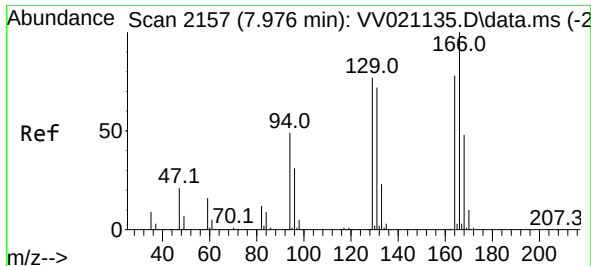
Tgt Ion: 91 Resp: 15636

Ion Ratio Lower Upper

91 100

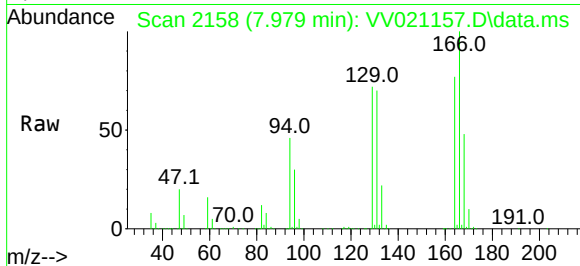
92 57.4 41.0 76.2





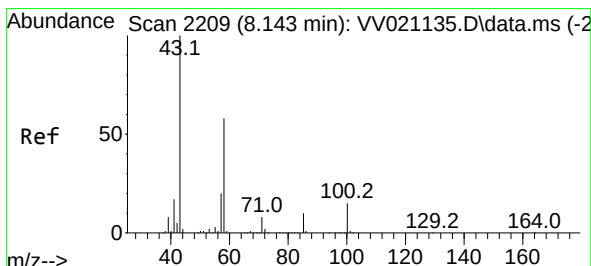
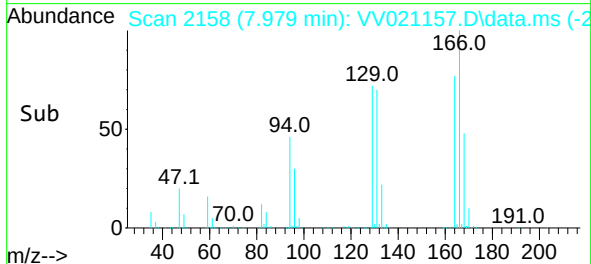
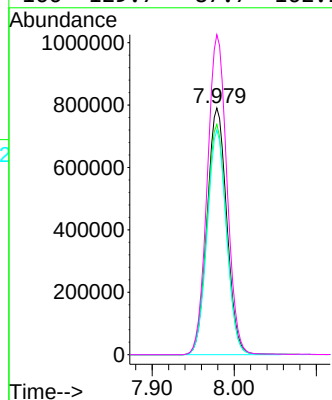
#46  
Tetrachloroethene  
Concen: 436.46 ug/L  
RT: 7.979 min Scan# 2158  
Delta R.T. 0.003 min  
Lab File: VV021157.D  
Acq: 26 Apr 2021 21:08

Instrument :  
MSVOA\_V  
ClientSampleId :

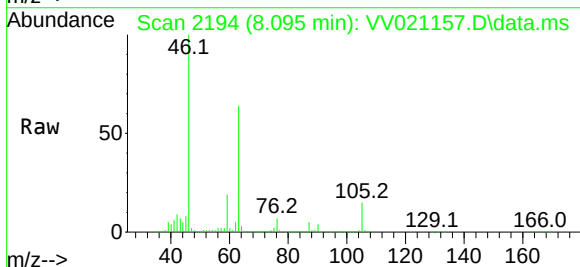


Tgt Ion:164 Resp: 1315260

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 93.3  | 63.8  | 118.4 |
| 131 | 91.0  | 59.3  | 110.1 |
| 166 | 129.7 | 87.7  | 162.9 |



#48  
2-Hexanone  
Concen: 12.56 ug/L  
RT: 8.095 min Scan# 2194  
Delta R.T. -0.048 min  
Lab File: VV021157.D  
Acq: 26 Apr 2021 21:08



Tgt Ion: 43 Resp: 35753

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 26.7  | 46.8  | 70.2# |
| 57  | 27.6  | 17.6  | 26.4# |
| 100 | 0.6   | 12.0  | 18.0# |

