

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100121\  
 Data File : VV022482.D  
 Acq On : 01 Oct 2021 23:17  
 Operator : SY/MD  
 Sample : M4024-02  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 COAH0

Quant Time: Oct 02 01:38:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM100121WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat Oct 02 01:27:14 2021  
 Response via : Initial Calibration

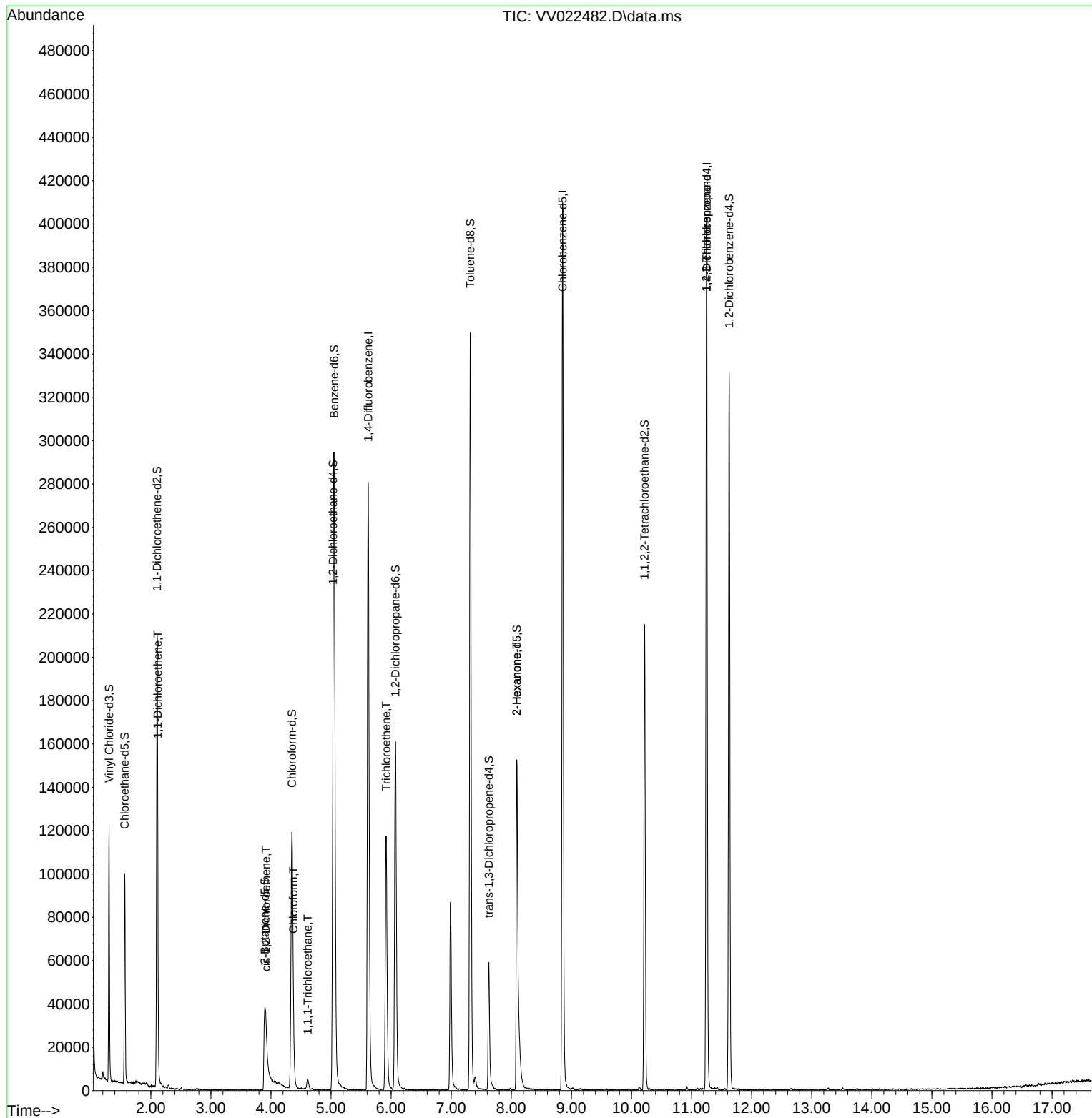
| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 252671     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.854          | 117  | 232020     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.252         | 152  | 108692     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304          | 65   | 73736      | 47.186   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 94.380%  |        |          |
| 7) Chloroethane-d5            | 1.564          | 69   | 57773      | 47.033   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 94.060%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.105          | 63   | 107266     | 34.813   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 69.620%  |        |          |
| 21) 2-Butanone-d5             | 3.896          | 46   | 70936      | 82.468   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 82.470%  |        |          |
| 24) Chloroform-d              | 4.349          | 84   | 124007     | 43.434   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 86.860%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 76088      | 45.941   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.880%  |        |          |
| 32) Benzene-d6                | 5.050          | 84   | 261871     | 48.719   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 97.440%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 81476      | 49.238   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 98.480%  |        |          |
| 41) Toluene-d8                | 7.317          | 98   | 231805     | 47.014   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 94.020%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.625          | 79   | 34054      | 43.497   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 87.000%  |        |          |
| 47) 2-Hexanone-d5             | 8.091          | 63   | 61414      | 89.593   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 89.590%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217         | 84   | 101174     | 43.970   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 87.940%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.625         | 152  | 88735      | 50.062   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 100.120% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.114          | 96   | 3391       | 1.921    | ug/L # | 1        |
| 20) cis-1,2-Dichloroethene    | 3.915          | 96   | 4817       | 2.334    | ug/L   | 91       |
| 25) Chloroform                | 4.371          | 83   | 1727       | 0.501    | ug/L   | 87       |
| 30) 1,1,1-Trichloroethane     | 4.609          | 97   | 4057       | 1.400    | ug/L   | 98       |
| 34) Trichloroethene           | 5.915          | 95   | 40362      | 21.578   | ug/L   | 98       |
| 48) 2-Hexanone                | 8.091          | 43   | 6738       | 3.418    | ug/L # | 69       |
| 61) 1,2,3-Trichloropropane    | 11.249         | 75   | 11766      | 5.692    | ug/L # | 64       |
| -----                         |                |      |            |          |        |          |

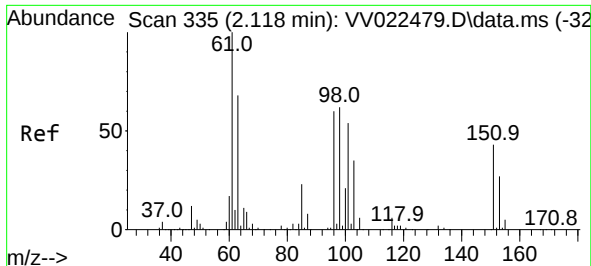
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :  
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Quant Title : VOC Analysis  
QLast Update : Sat Oct 02 01:27:14 2021  
Response via : Initial Calibration

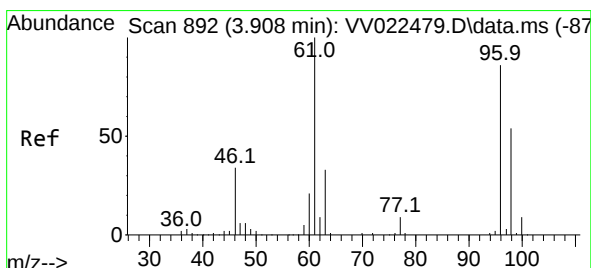
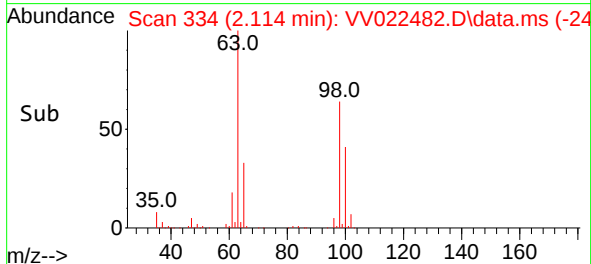
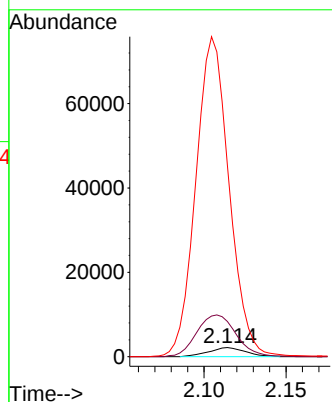
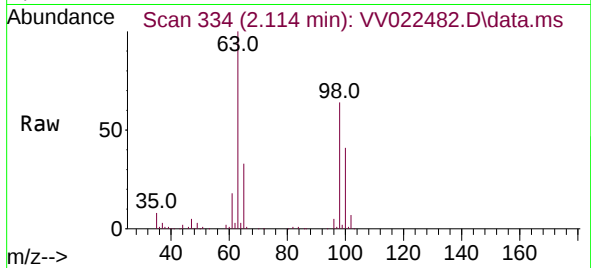




#12  
1,1-Dichloroethene  
Concen: 1.921 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.003 min  
Lab File: VV022482.D  
Acq: 01 Oct 2021 23:17

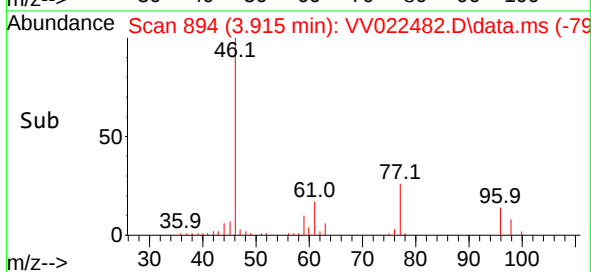
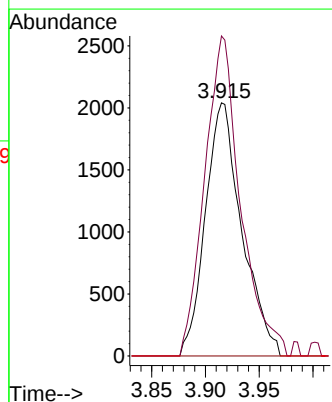
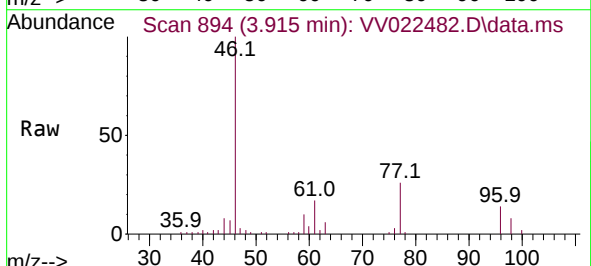
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AH0

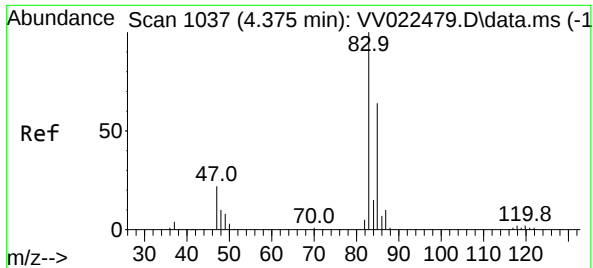
Tgt Ion: 96 Resp: 3391  
Ion Ratio Lower Upper  
96 100  
61 386.8 118.0 219.2#  
63 2100.4 86.4 160.4#



#20  
cis-1,2-Dichloroethene  
Concen: 2.334 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.006 min  
Lab File: VV022482.D  
Acq: 01 Oct 2021 23:17

Tgt Ion: 96 Resp: 4817  
Ion Ratio Lower Upper  
96 100  
61 126.4 81.9 152.1  
68 0.0 0.0 0.0

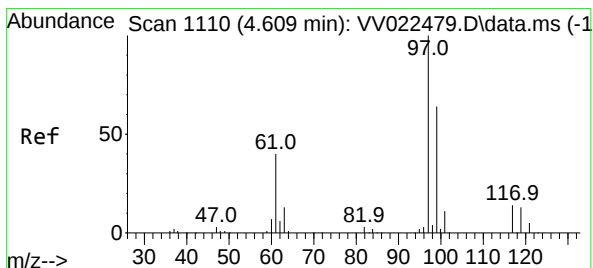
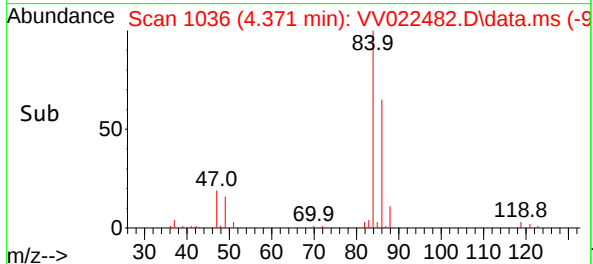
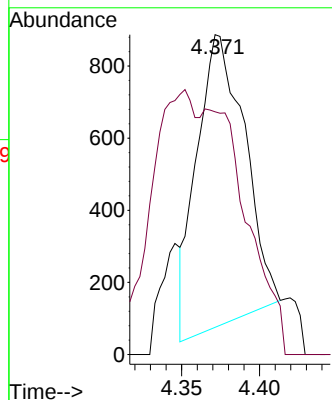
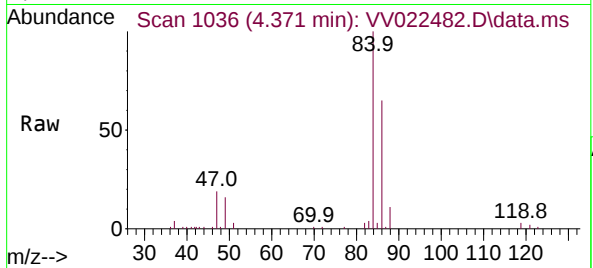




#25  
Chloroform  
Concen: 0.501 ug/L  
RT: 4.371 min Scan# 1036  
Delta R.T. -0.003 min  
Lab File: VV022482.D  
Acq: 01 Oct 2021 23:17

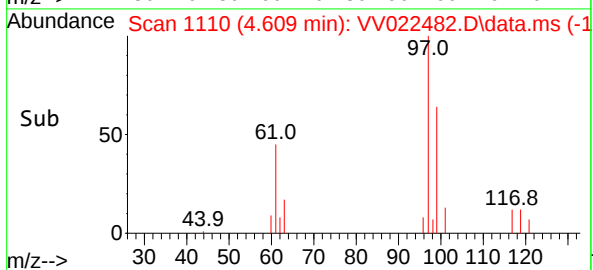
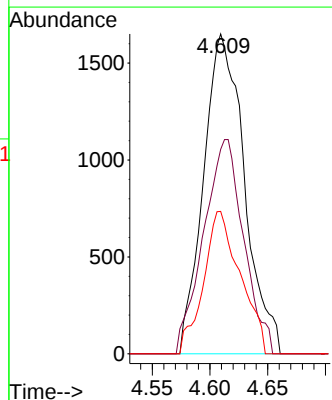
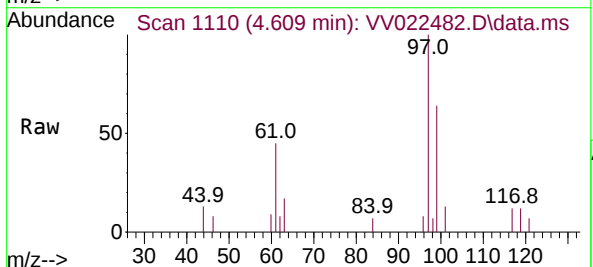
Instrument :  
MSVOA\_V  
ClientSampled :  
C0AH0

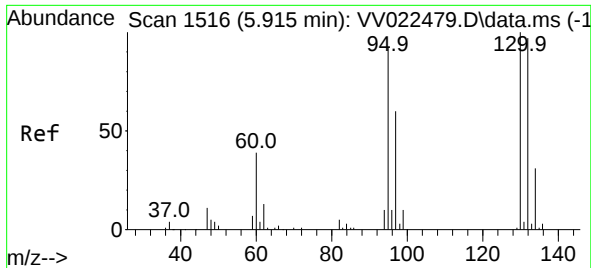
Tgt Ion: 83 Resp: 1727  
Ion Ratio Lower Upper  
83 100  
85 75.9 45.8 85.0



#30  
1,1,1-Trichloroethane  
Concen: 1.400 ug/L  
RT: 4.609 min Scan# 1110  
Delta R.T. -0.000 min  
Lab File: VV022482.D  
Acq: 01 Oct 2021 23:17

Tgt Ion: 97 Resp: 4057  
Ion Ratio Lower Upper  
97 100  
99 65.9 51.7 77.5  
61 40.1 32.9 49.3



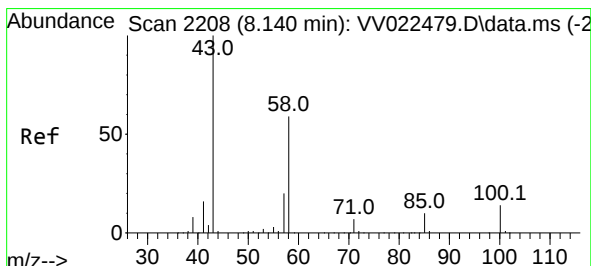
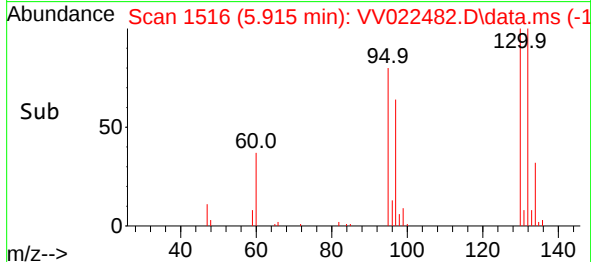
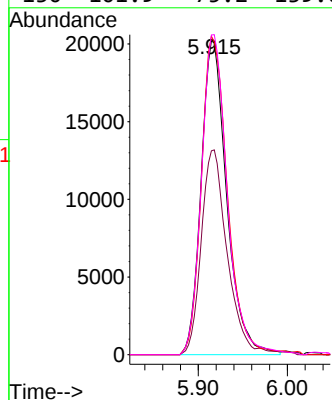
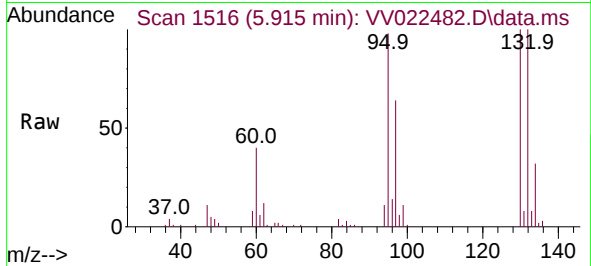


#34  
Trichloroethene  
Concen: 21.578 ug/L  
RT: 5.915 min Scan# 1516  
Delta R.T. -0.000 min  
Lab File: VV022482.D  
Acq: 01 Oct 2021 23:17

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AH0

Tgt Ion: 95 Resp: 40362

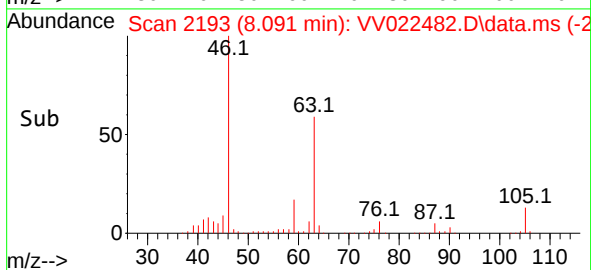
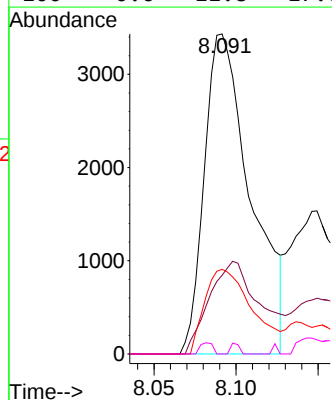
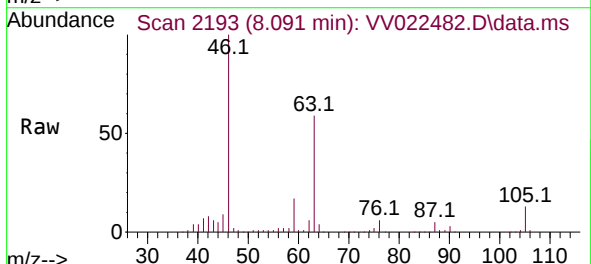
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 65.0  | 45.4  | 84.4  |
| 132 | 101.5 | 71.5  | 132.9 |
| 130 | 101.9 | 75.2  | 139.6 |

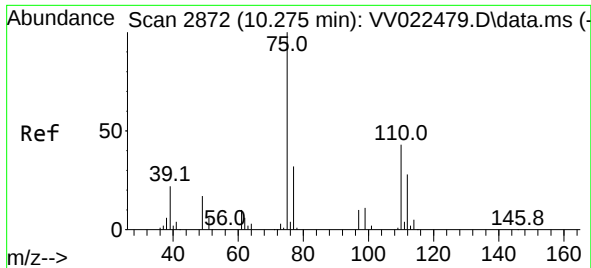


#48  
2-Hexanone  
Concen: 3.418 ug/L  
RT: 8.091 min Scan# 2193  
Delta R.T. -0.048 min  
Lab File: VV022482.D  
Acq: 01 Oct 2021 23:17

Tgt Ion: 43 Resp: 6738

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 32.4  | 47.0  | 70.4# |
| 57  | 27.2  | 15.8  | 23.6# |
| 100 | 0.6   | 11.8  | 17.6# |





#61  
 1,2,3-Trichloropropane  
 Concen: 5.692 ug/L  
 RT: 11.249 min Scan# 3175  
 Delta R.T. 0.974 min  
 Lab File: VV022482.D  
 Acq: 01 Oct 2021 23:17

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AH0

Tgt Ion: 75 Resp: 11766  
 Ion Ratio Lower Upper  
 75 100  
 77 34.4 26.0 39.0  
 110 4.0 34.3 51.5#

