

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW120921\  
 Data File : VW023865.D  
 Acq On : 09 Dec 2021 16:42  
 Operator : SY/MD  
 Sample : M5002-02  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 10 00:43:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 02 02:08:23 2021  
 Response via : Initial Calibration

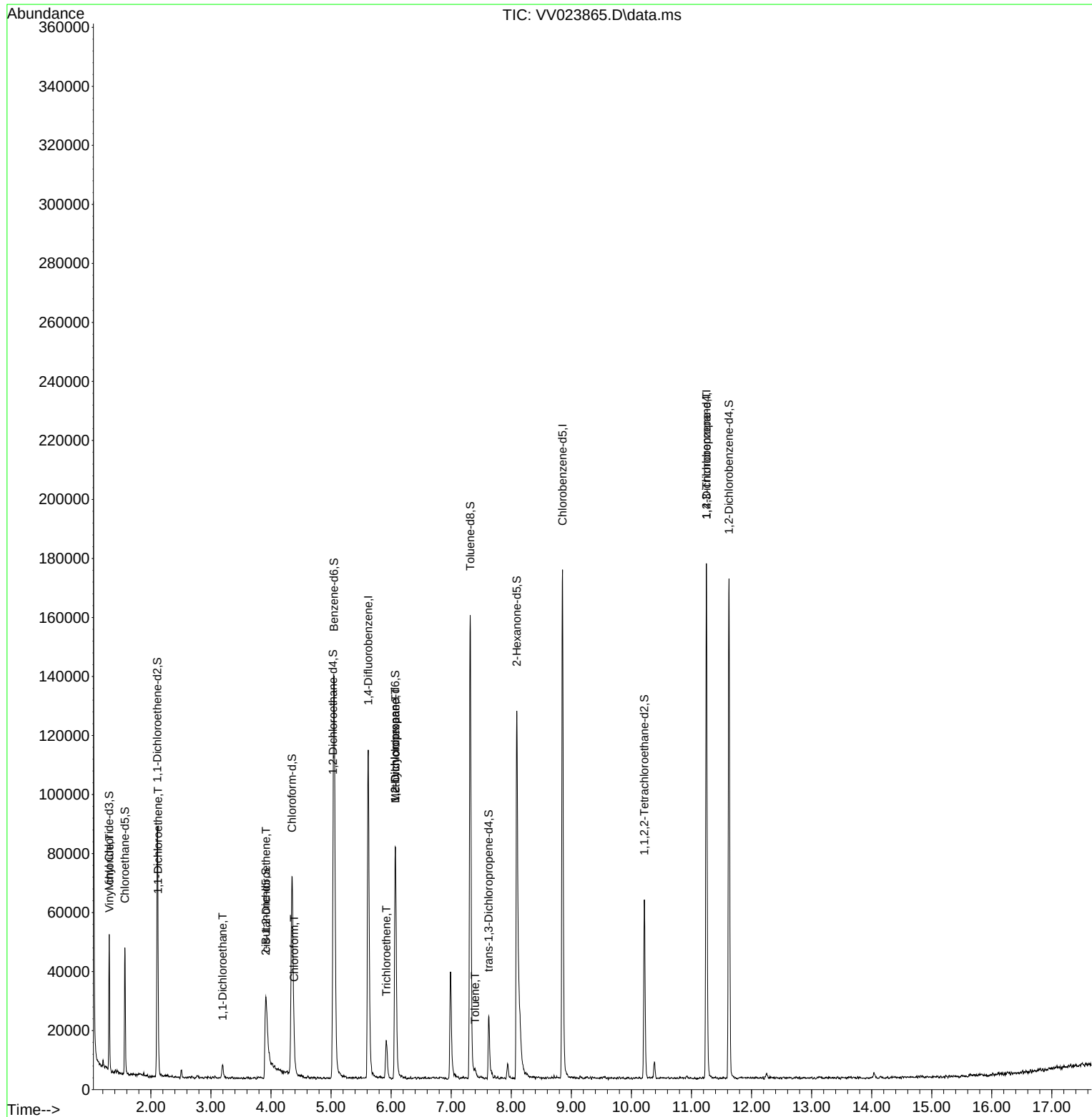
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 100981   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 99286    | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 48597    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 26380    | 3.182    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 63.600%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 25056    | 3.845    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 77.000%  |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 41647    | 2.851    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 57.000%# |
| 20) 2-Butanone-d5             | 3.912  | 46    | 38086    | 38.218   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 76.440%  |
| 24) Chloroform-d              | 4.349  | 84    | 67837    | 4.699    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 31717    | 4.703    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.000%  |
| 32) Benzene-d6                | 5.050  | 84    | 123108   | 4.552    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 91.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 38503    | 5.078    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 101.600% |
| 41) Toluene-d8                | 7.317  | 98    | 108721   | 4.302    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 86.000%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 13559    | 4.436    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 88.800%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 59484    | 58.579   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 117.160% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 27695    | 5.076    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 101.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 45827    | 5.334    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 106.600% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.310  | 62    | 393      | 0.045    | ug/L # | 1        |
| 12) 1,1-Dichloroethene        | 2.121  | 96    | 3041     | 0.449    | ug/L # | 1        |
| 19) 1,1-Dichloroethane        | 3.195  | 63    | 4253     | 0.328    | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 7186     | 0.972    | ug/L   | 87       |
| 25) Chloroform                | 4.384  | 83    | 6120     | 0.424    | ug/L   | 95       |
| 34) Trichloroethene           | 5.921  | 95    | 4160     | 0.549    | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.072  | 83    | 9881     | 0.836    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 4353     | 0.647    | ug/L # | 84       |
| 42) Toluene                   | 7.397  | 91    | 2051     | 0.067    | ug/L   | 94       |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 4855     | 1.409    | ug/L # | 59       |
| -----                         |        |       |          |          |        |          |

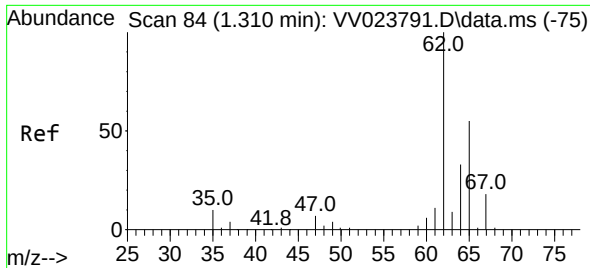
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M5002-02  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Dec 10 00:43:23 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR112321WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 02 02:08:23 2021  
Response via : Initial Calibration

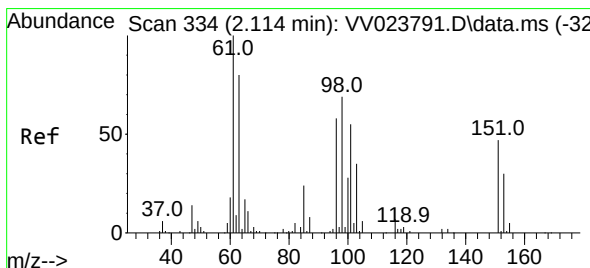
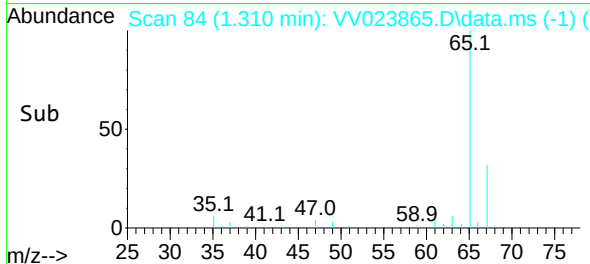
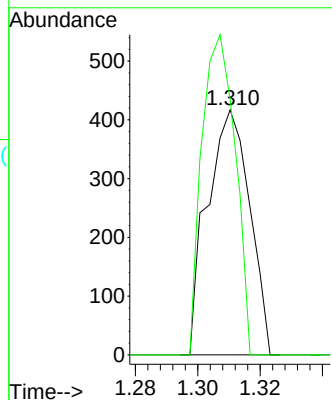
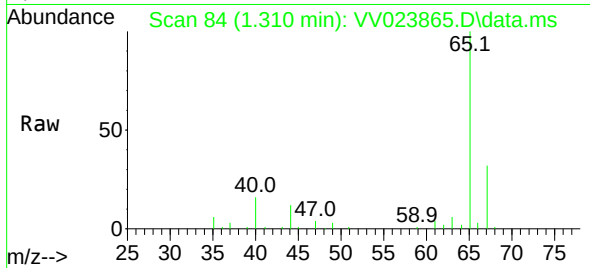




#5  
 Vinyl chloride  
 Concen: 0.045 ug/L  
 RT: 1.310 min Scan# 84  
 Delta R.T. -0.000 min  
 Lab File: VV023865.D  
 Acq: 09 Dec 2021 16:42

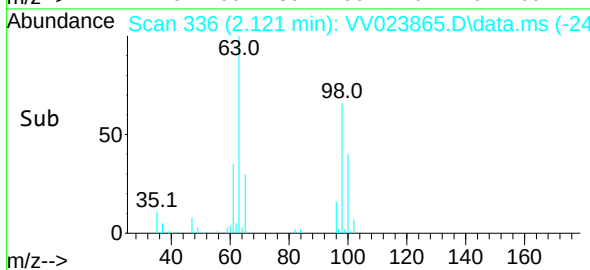
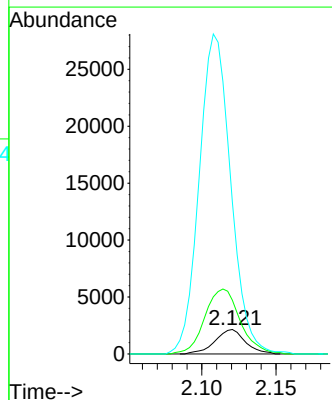
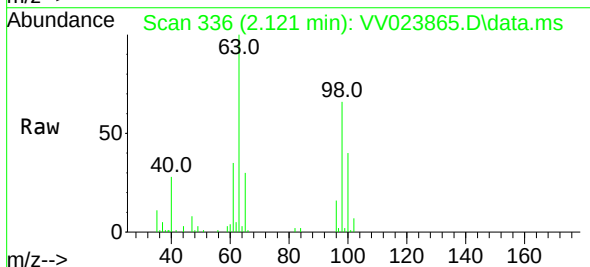
Instrument :  
 MSVOA\_V  
 ClientSampleId :

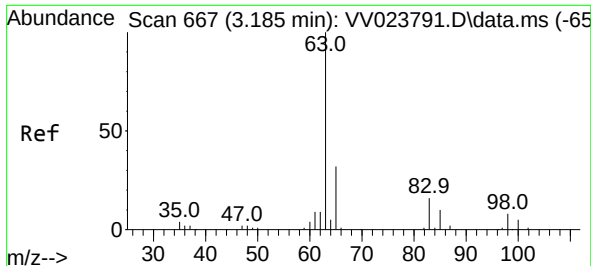
Tgt Ion: 62 Resp: 393  
 Ion Ratio Lower Upper  
 62 100  
 64 104.3 22.4 41.6#



#12  
 1,1-Dichloroethene  
 Concen: 0.449 ug/L  
 RT: 2.121 min Scan# 336  
 Delta R.T. 0.003 min  
 Lab File: VV023865.D  
 Acq: 09 Dec 2021 16:42

Tgt Ion: 96 Resp: 3041  
 Ion Ratio Lower Upper  
 96 100  
 61 219.2 116.1 215.5#  
 63 620.1 79.4 147.4#





#19

1,1-Dichloroethane

Concen: 0.328 ug/L

RT: 3.195 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV023865.D

Acq: 09 Dec 2021 16:42

Instrument :

MSVOA\_V

ClientSampleId :

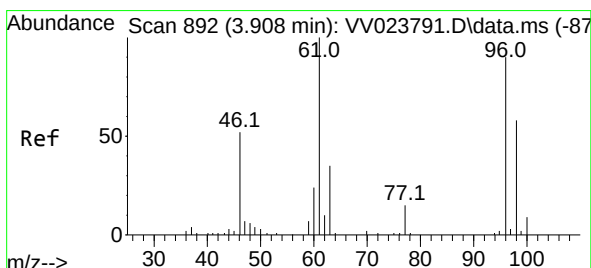
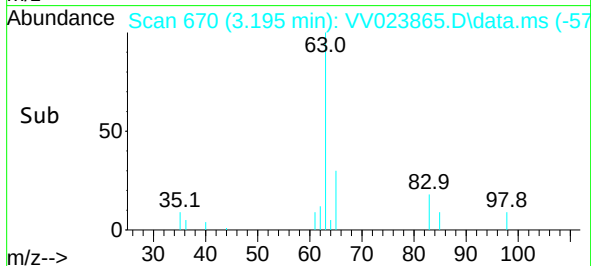
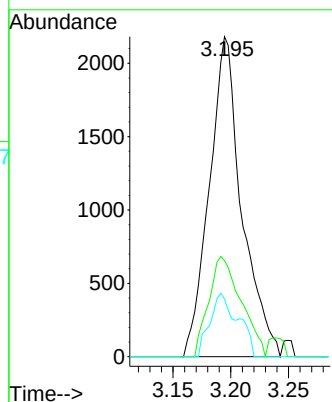
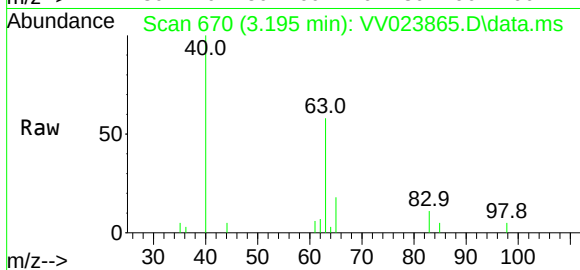
Tgt Ion: 63 Resp: 4253

Ion Ratio Lower Upper

63 100

65 30.0 22.3 41.3

83 18.0 10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 0.972 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.006 min

Lab File: VV023865.D

Acq: 09 Dec 2021 16:42

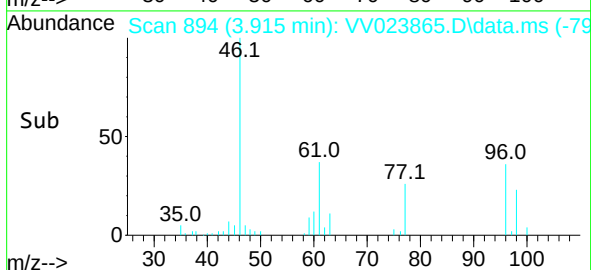
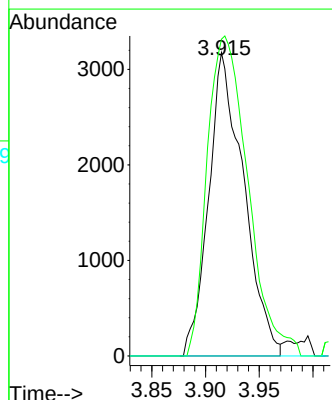
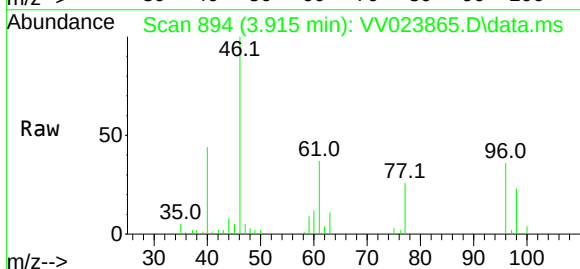
Tgt Ion: 96 Resp: 7186

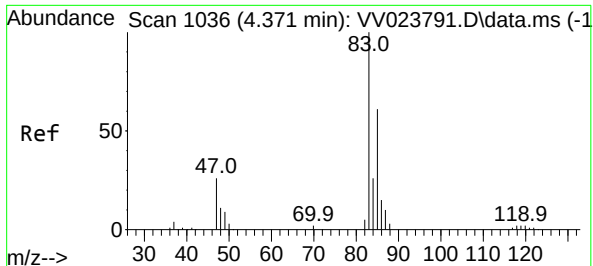
Ion Ratio Lower Upper

96 100

61 104.5 83.4 154.8

68 0.0 0.0 0.0





#25

Chloroform

Concen: 0.424 ug/L

RT: 4.384 min Scan# 1040

Delta R.T. 0.013 min

Lab File: VV023865.D

Acq: 09 Dec 2021 16:42

Instrument :

MSVOA\_V

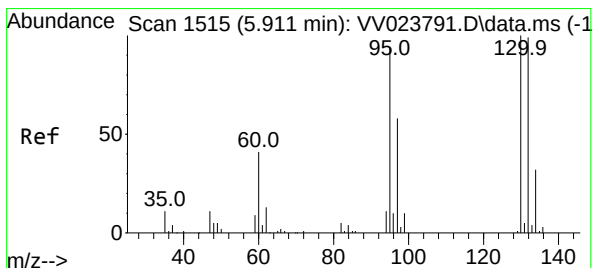
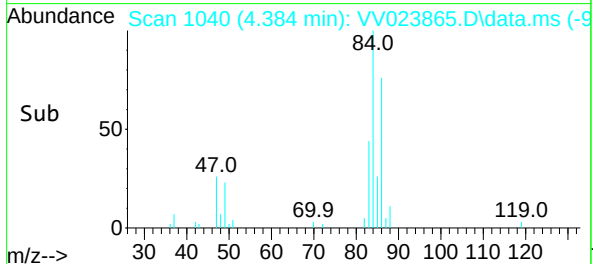
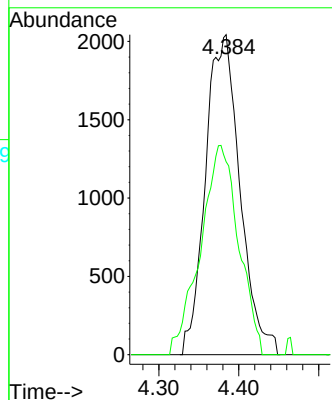
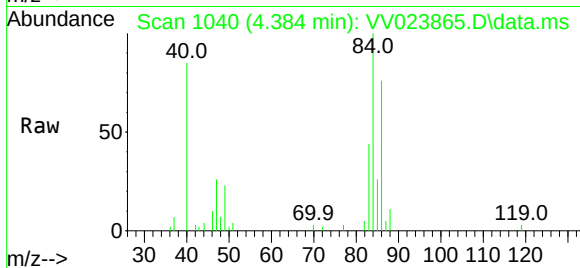
ClientSampleId :

Tgt Ion: 83 Resp: 6120

Ion Ratio Lower Upper

83 100

85 60.3 45.2 84.0



#34

Trichloroethene

Concen: 0.549 ug/L

RT: 5.921 min Scan# 1518

Delta R.T. 0.010 min

Lab File: VV023865.D

Acq: 09 Dec 2021 16:42

Tgt Ion: 95 Resp: 4160

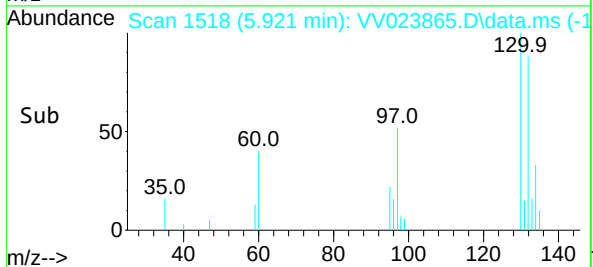
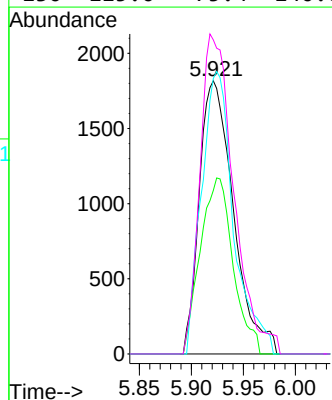
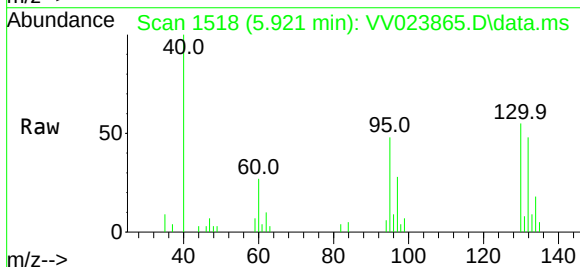
Ion Ratio Lower Upper

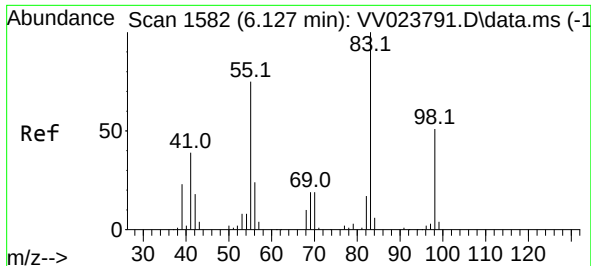
95 100

97 59.9 45.2 84.0

132 100.9 76.1 141.3

130 115.0 75.4 140.0

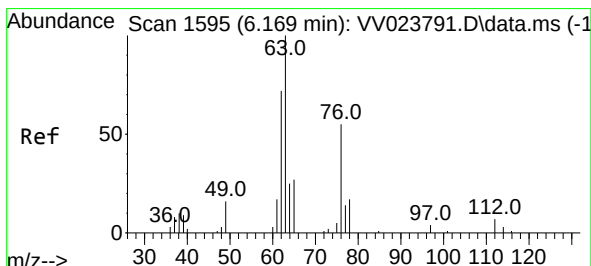
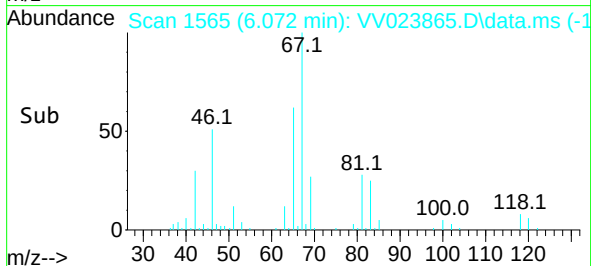
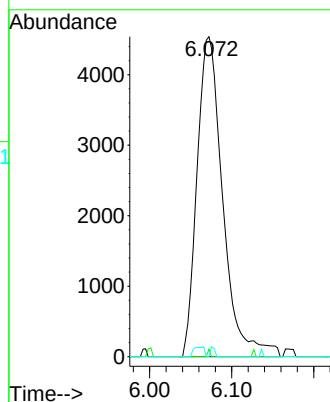
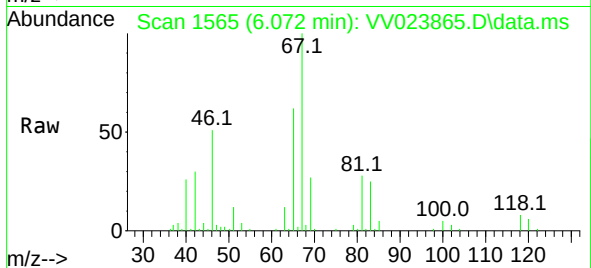




#35  
Methylcyclohexane  
Concen: 0.836 ug/L  
RT: 6.072 min Scan# 1565  
Delta R.T. -0.055 min  
Lab File: VV023865.D  
Acq: 09 Dec 2021 16:42

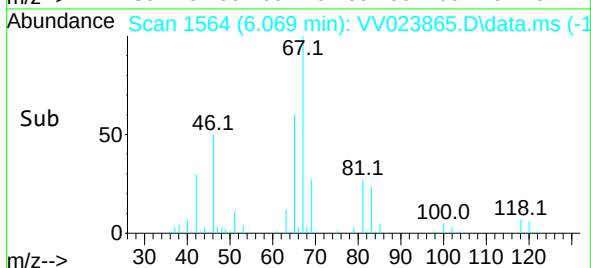
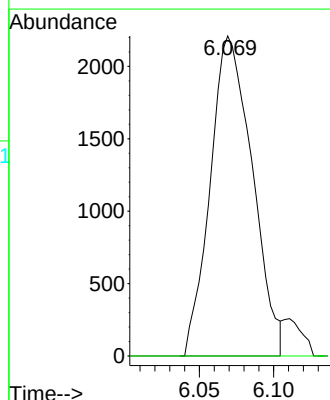
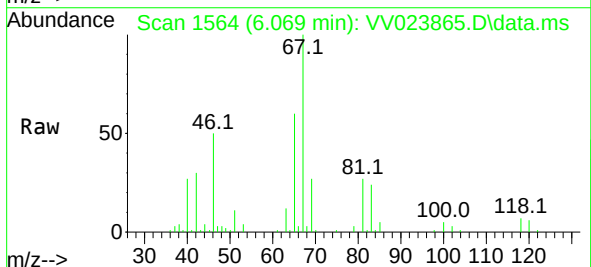
Instrument :  
MSVOA\_V  
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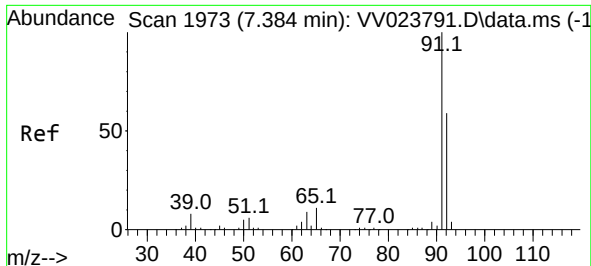
Tgt Ion: 83 Resp: 9881  
Ion Ratio Lower Upper  
83 100  
55 0.2 60.2 90.2#  
98 0.5 41.0 61.4#



#37  
1,2-Dichloropropane  
Concen: 0.647 ug/L  
RT: 6.069 min Scan# 1564  
Delta R.T. -0.100 min  
Lab File: VV023865.D  
Acq: 09 Dec 2021 16:42

Tgt Ion: 63 Resp: 4353  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.3 6.5#





#42

Toluene

Concen: 0.067 ug/L

RT: 7.397 min Scan# 1973

Delta R.T. 0.013 min

Lab File: VV023865.D

Acq: 09 Dec 2021 16:42

Instrument :

MSVOA\_V

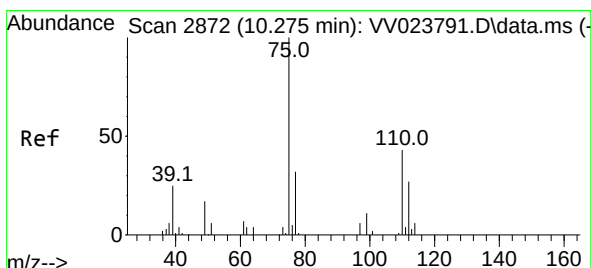
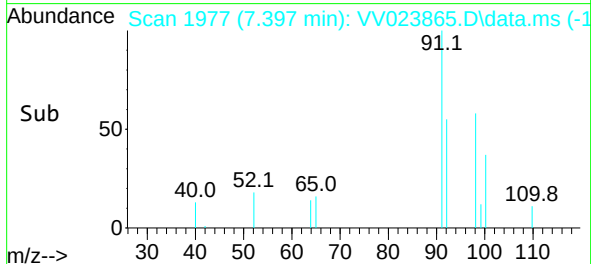
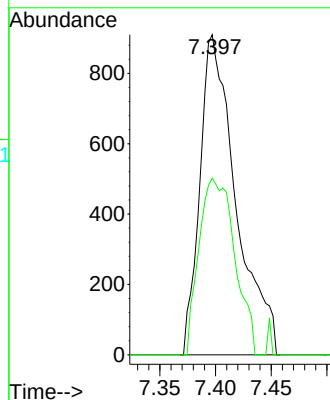
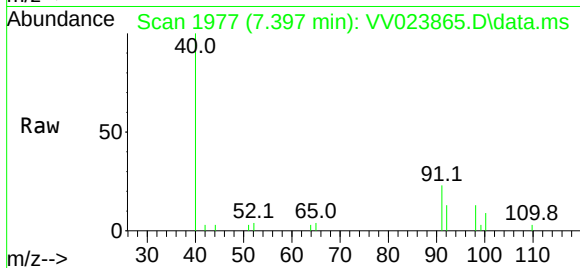
ClientSampleId :

Tgt Ion: 91 Resp: 2051

Ion Ratio Lower Upper

91 100

92 55.2 41.5 77.1



#61

1,2,3-Trichloropropane

Concen: 1.409 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV023865.D

Acq: 09 Dec 2021 16:42

Tgt Ion: 75 Resp: 4855

Ion Ratio Lower Upper

75 100

77 37.7 26.4 39.6

110 0.8 34.2 51.2#

