

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV120721\  
 Data File : VV023811.D  
 Acq On : 07 Dec 2021 10:25  
 Operator : SY/MD  
 Sample : VV1207WBL01  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 08 01:14:19 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

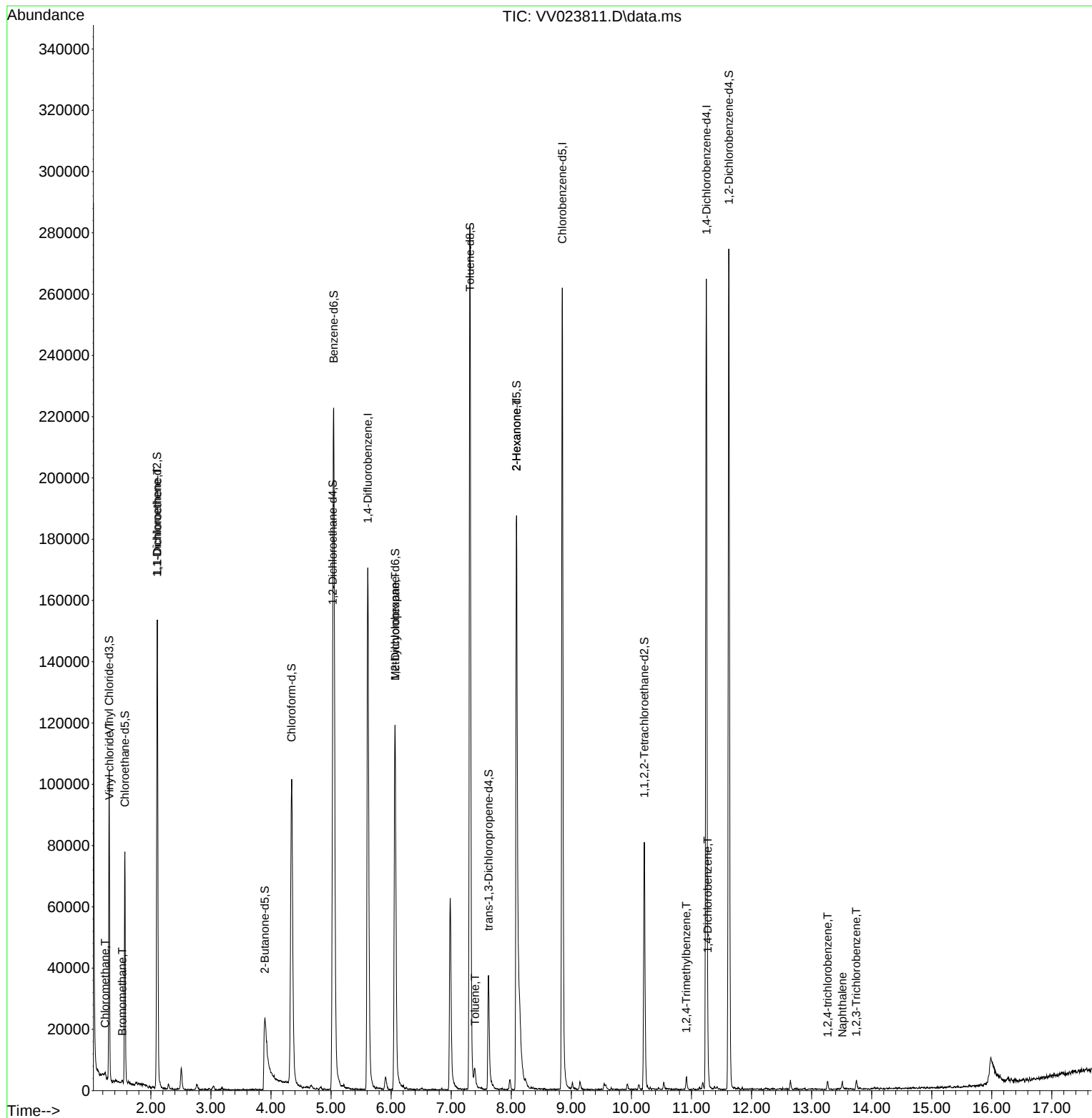
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 154123   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 147675   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 74057    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 59954    | 4.739    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 94.800%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 44541    | 4.479    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 89.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 80111    | 3.593    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 71.800%  |
| 20) 2-Butanone-d5             | 3.899  | 46    | 63921    | 42.026   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 84.060%  |
| 24) Chloroform-d              | 4.342  | 84    | 104486   | 4.743    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 94.800%  |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 47363    | 4.602    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 92.000%  |
| 32) Benzene-d6                | 5.043  | 84    | 207362   | 5.155    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.000% |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 58415    | 5.180    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 103.600% |
| 41) Toluene-d8                | 7.313  | 98    | 188792   | 5.023    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400% |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 22306    | 4.907    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 98.200%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 87311    | 57.808   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 115.620% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 38853    | 4.788    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 95.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 71362    | 5.450    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 109.000% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.240  | 50    | 649      | 0.051    | ug/L   | 86       |
| 5) Vinyl chloride             | 1.310  | 62    | 718      | 0.054    | ug/L # | 1        |
| 6) Bromomethane               | 1.523  | 94    | 474      | 0.063    | ug/L   | 88       |
| 12) 1,1-Dichloroethene        | 2.108  | 96    | 956      | 0.093    | ug/L # | 1        |
| 35) Methylcyclohexane         | 6.066  | 83    | 14949    | 0.850    | ug/L # | 18       |
| 42) Toluene                   | 7.397  | 91    | 4345     | 0.095    | ug/L   | 98       |
| 48) 2-Hexanone                | 8.088  | 43    | 9142     | 2.589    | ug/L # | 68       |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105   | 1983     | 0.054    | ug/L   | 93       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146   | 1207     | 0.053    | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 13.268 | 180   | 1243     | 0.091    | ug/L # | 77       |
| 71) Naphthalene               | 13.513 | 128   | 2306     | 0.125    | ug/L # | 95       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180   | 1141     | 0.096    | ug/L   | 96       |
| -----                         |        |       |          |          |        |          |

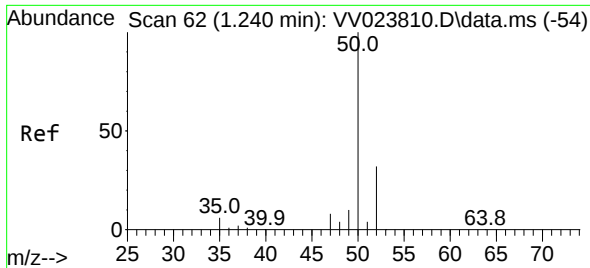
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV120721\  
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Sample : VV1207WBL01  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Dec 08 01:14:19 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

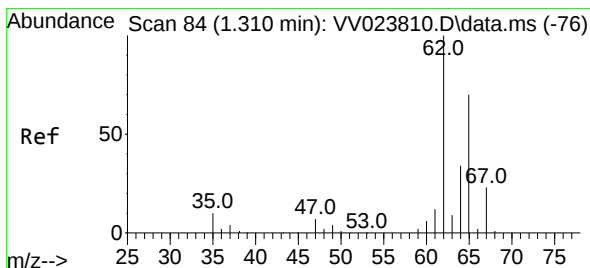
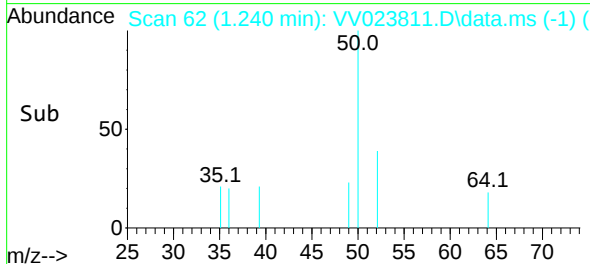
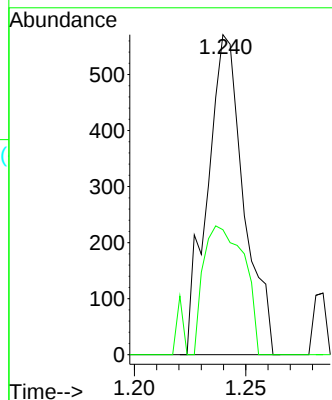
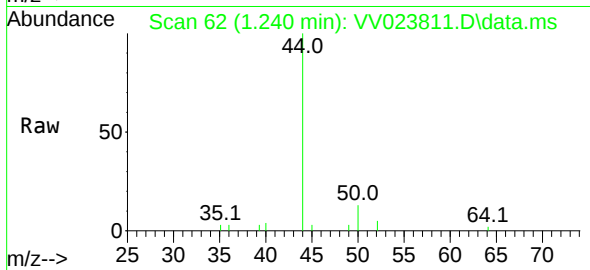




#3  
Chloromethane  
Concen: 0.051 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25

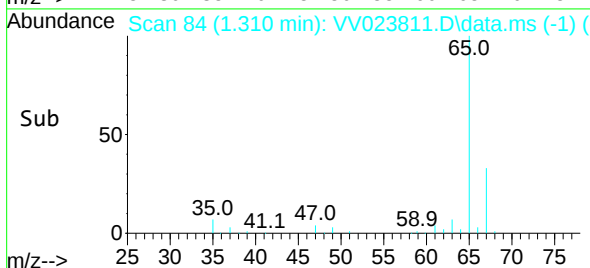
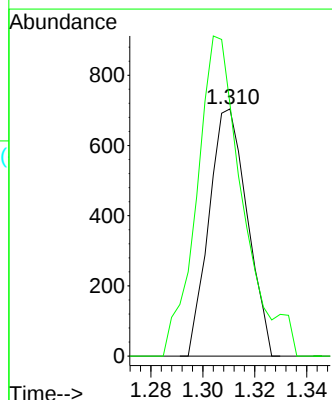
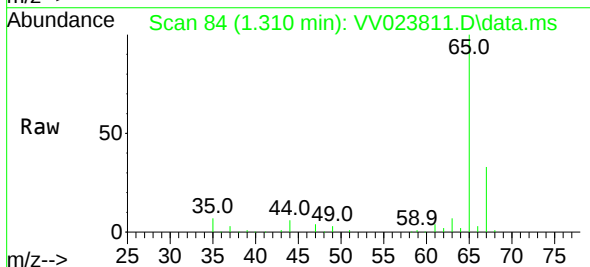
Instrument :  
MSVOA\_V  
ClientSampleId :

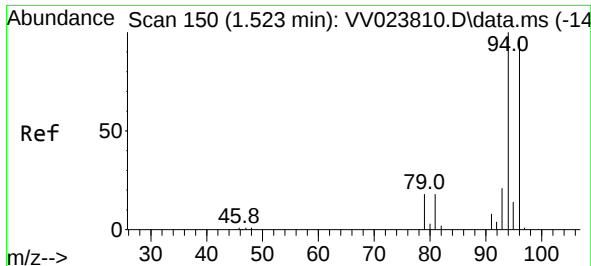
Tgt Ion: 50 Resp: 649  
Ion Ratio Lower Upper  
50 100  
52 39.1 22.0 41.0



#5  
Vinyl chloride  
Concen: 0.054 ug/L  
RT: 1.310 min Scan# 84  
Delta R.T. 0.000 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25

Tgt Ion: 62 Resp: 718  
Ion Ratio Lower Upper  
62 100  
64 102.0 22.4 41.6#

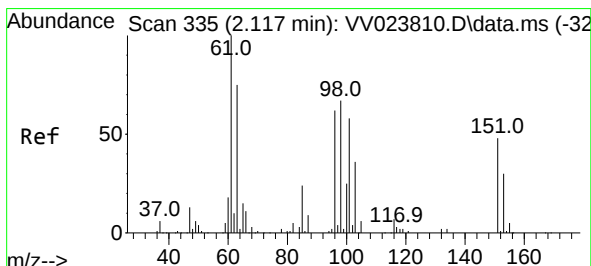
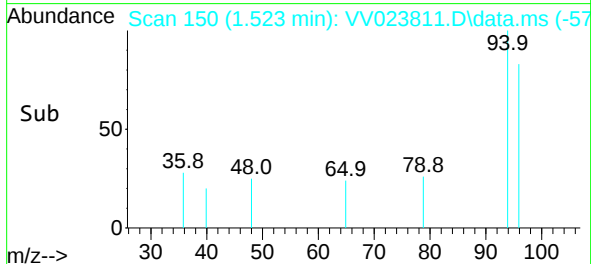
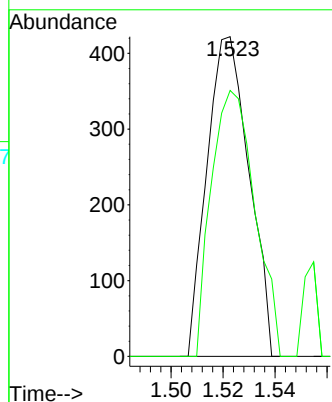
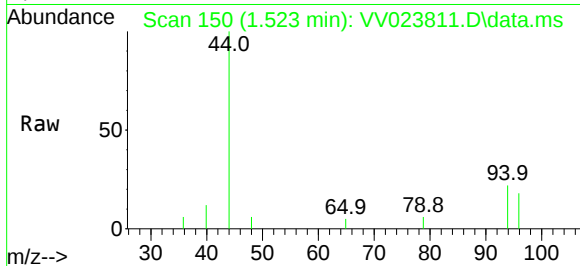




#6  
Bromomethane  
Concen: 0.063 ug/L  
RT: 1.523 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25

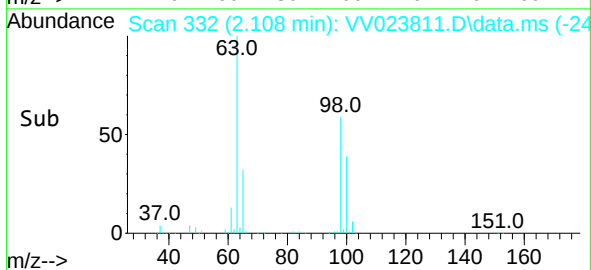
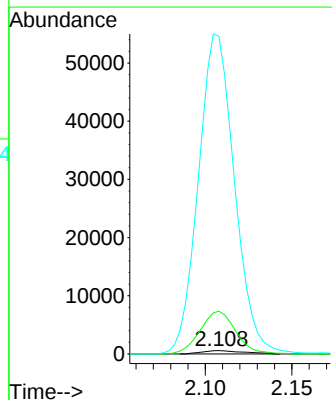
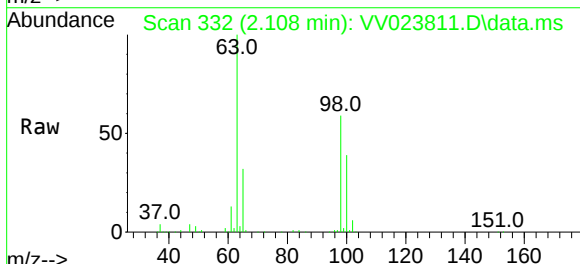
Instrument :  
MSVOA\_V  
ClientSampleId :

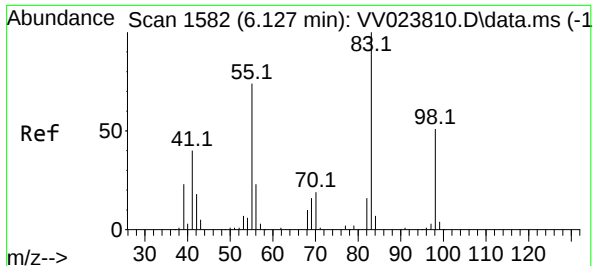
Tgt Ion: 94 Resp: 474  
Ion Ratio Lower Upper  
94 100  
96 83.2 66.2 123.0



#12  
1,1-Dichloroethene  
Concen: 0.093 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.010 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25

Tgt Ion: 96 Resp: 956  
Ion Ratio Lower Upper  
96 100  
61 1282.9 116.1 215.5#  
63 9526.0 79.4 147.4#





#35

Methylcyclohexane

Concen: 0.850 ug/L

RT: 6.066 min Scan# 11

Delta R.T. -0.061 min

Lab File: VV023811.D

Acq: 07 Dec 2021 10:25

Instrument :

MSVOA\_V

ClientSampleId :

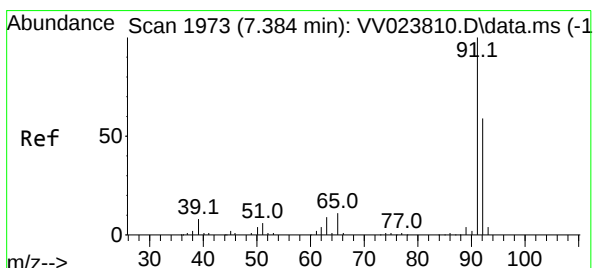
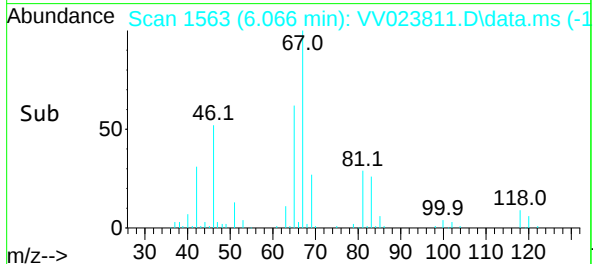
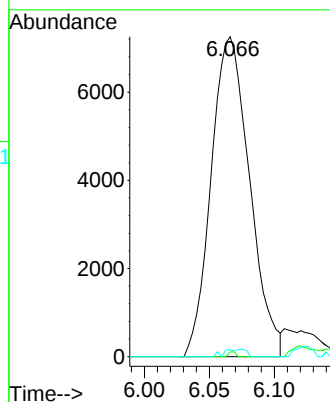
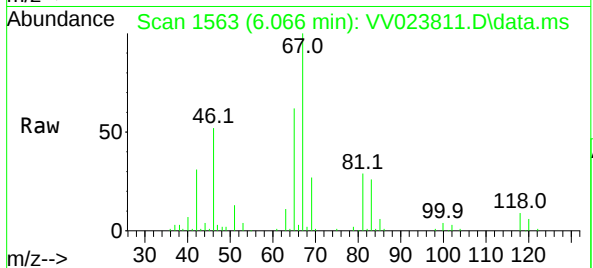
Tgt Ion: 83 Resp: 14949

Ion Ratio Lower Upper

83 100

55 0.3 60.2 90.2#

98 0.7 41.0 61.4#



#42

Toluene

Concen: 0.095 ug/L

RT: 7.397 min Scan# 1977

Delta R.T. 0.013 min

Lab File: VV023811.D

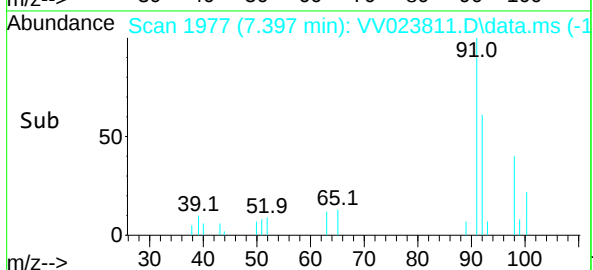
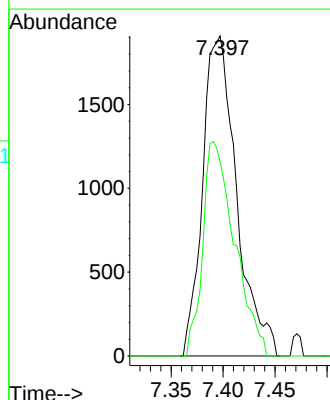
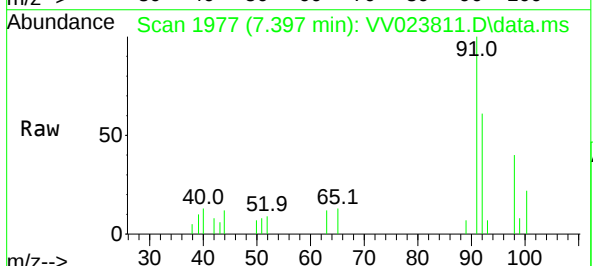
Acq: 07 Dec 2021 10:25

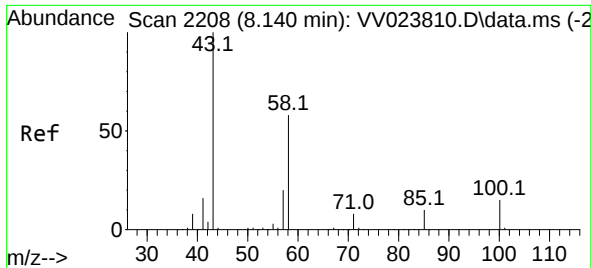
Tgt Ion: 91 Resp: 4345

Ion Ratio Lower Upper

91 100

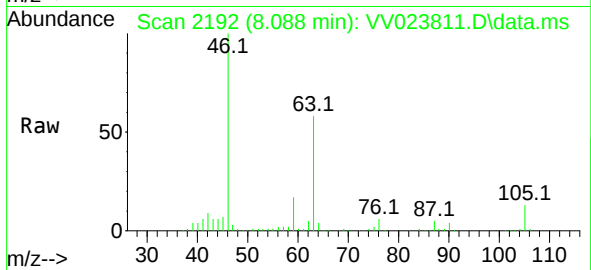
92 61.0 41.5 77.1



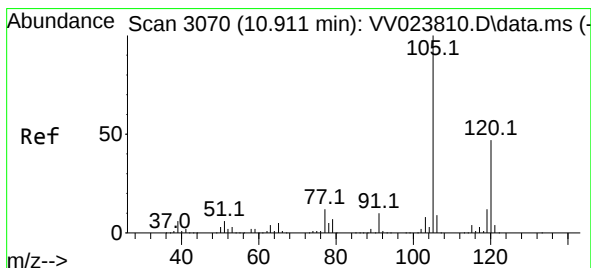
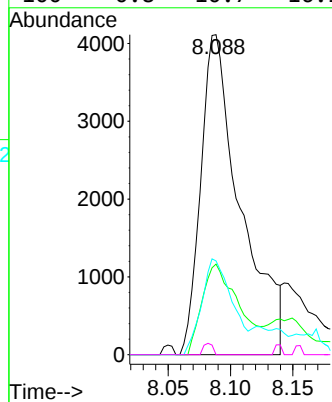
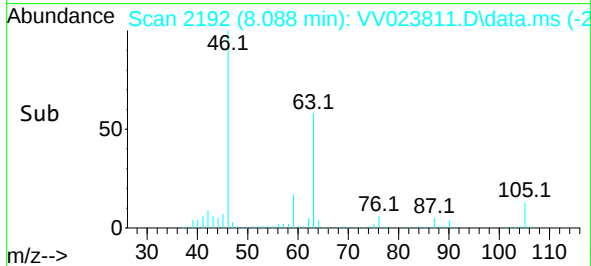


#48  
2-Hexanone  
Concen: 2.589 ug/L  
RT: 8.088 min Scan# 2192  
Delta R.T. -0.051 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25

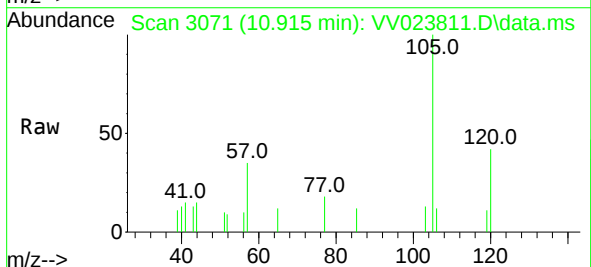
Instrument :  
MSVOA\_V  
ClientSampleId :



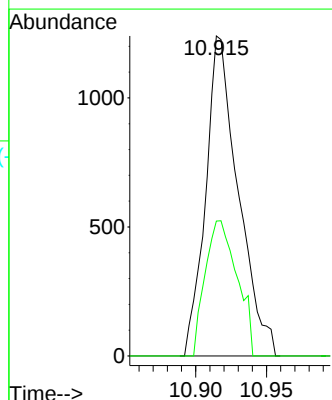
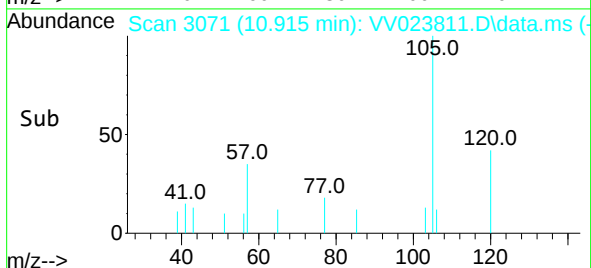
Tgt Ion: 43 Resp: 9142  
Ion Ratio Lower Upper  
43 100  
58 26.1 44.5 66.7#  
57 23.0 15.1 22.7#  
100 0.8 10.7 16.1#

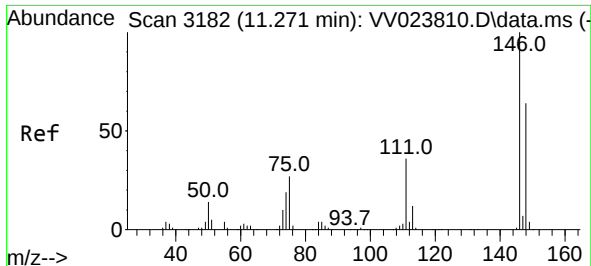


#63  
1,2,4-Trimethylbenzene  
Concen: 0.054 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.003 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25



Tgt Ion: 105 Resp: 1983  
Ion Ratio Lower Upper  
105 100  
120 41.3 36.7 55.1

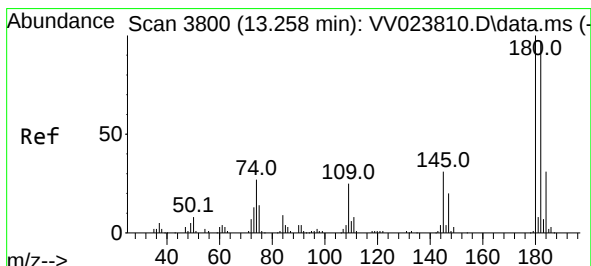
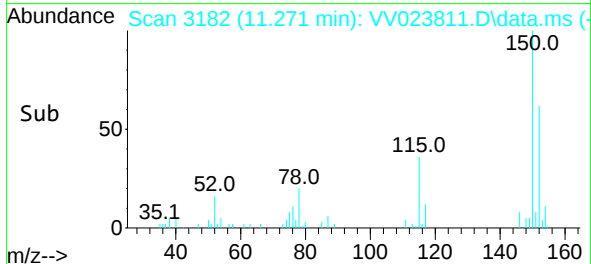
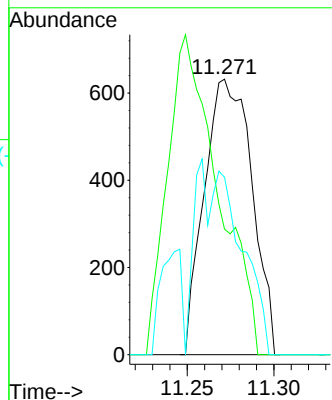
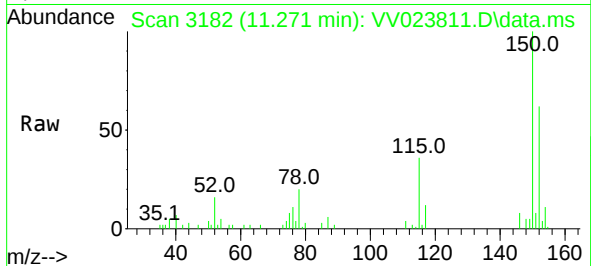




#65  
1,4-Dichlorobenzene  
Concen: 0.053 ug/L  
RT: 11.271 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25

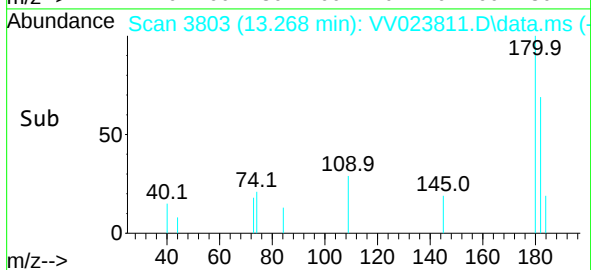
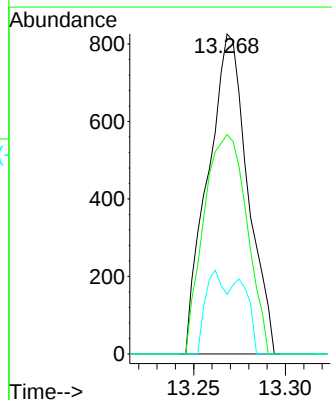
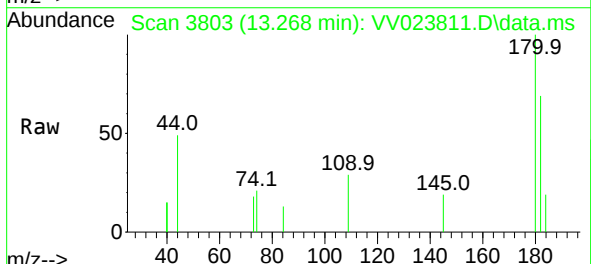
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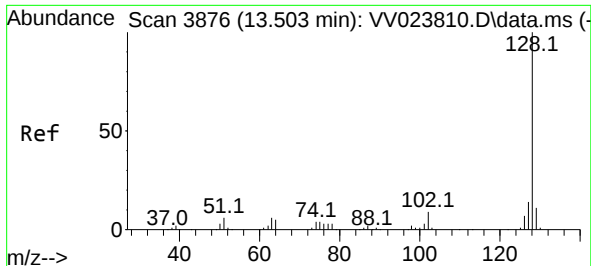
Tgt Ion:146 Resp: 1207  
Ion Ratio Lower Upper  
146 100  
111 45.6 25.6 47.6  
148 64.4 44.8 83.2



#70  
1,2,4-trichlorobenzene  
Concen: 0.091 ug/L  
RT: 13.268 min Scan# 3803  
Delta R.T. 0.007 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25

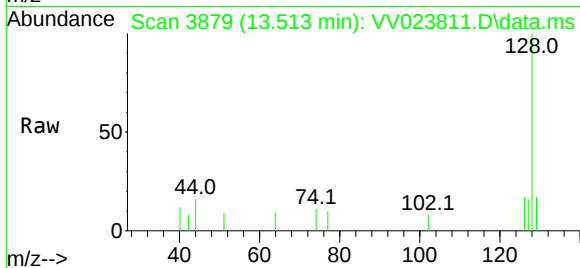
Tgt Ion:180 Resp: 1243  
Ion Ratio Lower Upper  
180 100  
182 74.0 74.4 111.6#  
145 10.5 23.3 34.9#



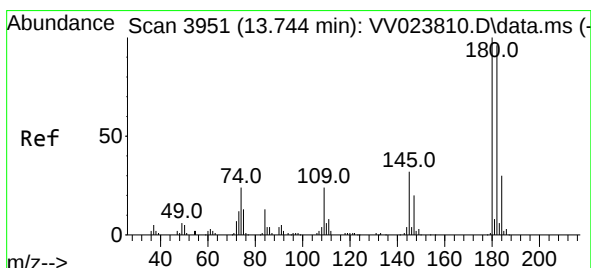
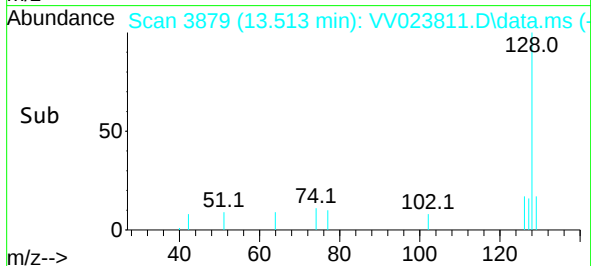
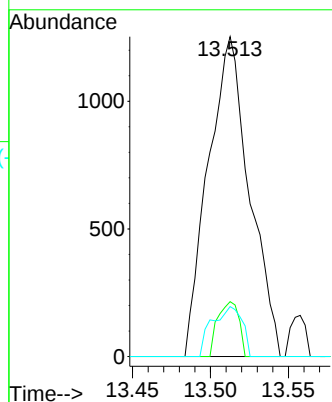


#71  
Naphthalene  
Concen: 0.125 ug/L  
RT: 13.513 min Scan# 3879  
Delta R.T. 0.010 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 2306  
Ion Ratio Lower Upper  
128 100  
129 8.8 9.0 13.4#  
127 11.4 10.2 15.4



#72  
1,2,3-Trichlorobenzene  
Concen: 0.096 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. 0.000 min  
Lab File: VV023811.D  
Acq: 07 Dec 2021 10:25

Tgt Ion:180 Resp: 1141  
Ion Ratio Lower Upper  
180 100  
182 93.1 76.8 115.2  
145 28.0 25.8 38.6

