

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121621\  
 Data File : VV024001.D  
 Acq On : 16 Dec 2021 10:26  
 Operator : SY/MD  
 Sample : VV1216WBL01  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 17 01:59:48 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Dec 16 04:44:29 2021  
 Response via : Initial Calibration

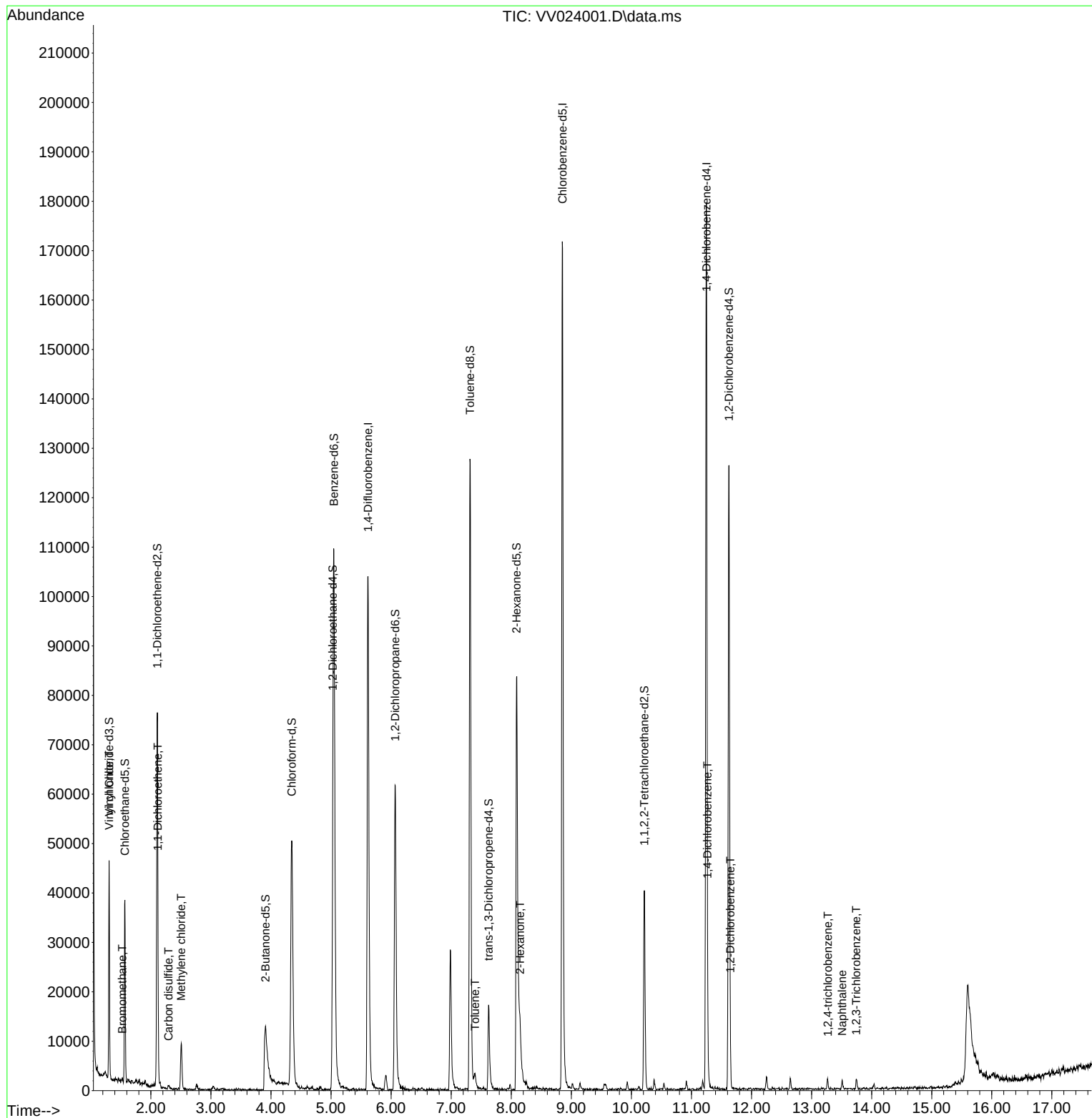
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114            | 93740    | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117            | 97972    | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152            | 48936    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65             | 25185    | 4.998  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 100.000% |          |
| 7) Chloroethane-d5            | 1.568  | 69             | 20961    | 4.985  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 99.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63             | 38160    | 3.879  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 77.600%  |          |
| 20) 2-Butanone-d5             | 3.909  | 46             | 28258    | 28.702 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 57.400%  |          |
| 24) Chloroform-d              | 4.346  | 84             | 53255    | 4.665  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 93.400%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65             | 25629    | 4.822  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 96.400%  |          |
| 32) Benzene-d6                | 5.047  | 84             | 98509    | 5.077  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 101.600% |          |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67             | 28883    | 4.934  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 98.600%  |          |
| 41) Toluene-d8                | 7.314  | 98             | 86244    | 4.937  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 98.800%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79             | 10585    | 4.358  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 87.200%  |          |
| 46) 2-Hexanone-d5             | 8.088  | 63             | 36142    | 33.242 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 66.480%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84             | 19146    | 3.942  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 78.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152            | 33222    | 5.082  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 101.600% |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          |          |
|                               |        |                |          |        | Qvalue   |          |
| 5) Vinyl chloride             | 1.307  | 62             | 332      | 0.044  | ug/L #   | 1        |
| 6) Bromomethane               | 1.523  | 94             | 263      | 0.055  | ug/L     | 75       |
| 12) 1,1-Dichloroethene        | 2.118  | 96             | 524      | 0.083  | ug/L #   | 1        |
| 14) Carbon disulfide          | 2.294  | 76             | 1015     | 0.056  | ug/L #   | 74       |
| 16) Methylene chloride        | 2.503  | 84             | 3925     | 0.477  | ug/L     | 97       |
| 42) Toluene                   | 7.397  | 91             | 2344     | 0.075  | ug/L     | 99       |
| 48) 2-Hexanone                | 8.146  | 43             | 2402     | 1.047  | ug/L #   | 86       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146            | 997      | 0.068  | ug/L #   | 76       |
| 67) 1,2-Dichlorobenzene       | 11.648 | 146            | 1153     | 0.086  | ug/L #   | 88       |
| 70) 1,2,4-trichlorobenzene    | 13.271 | 180            | 897      | 0.094  | ug/L     | 96       |
| 71) Naphthalene               | 13.509 | 128            | 1534     | 0.112  | ug/L #   | 96       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180            | 872      | 0.104  | ug/L #   | 90       |
| -----                         |        |                |          |        |          |          |

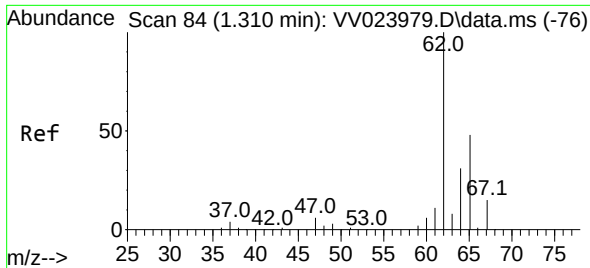
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121621\  
Data File : VV024001.D  
Acq On : 16 Dec 2021 10:26  
Operator : SY/MD  
Sample : VV1216WBL01  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Dec 17 01:59:48 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Dec 16 04:44:29 2021  
Response via : Initial Calibration

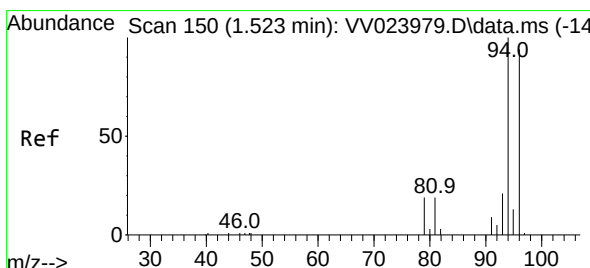
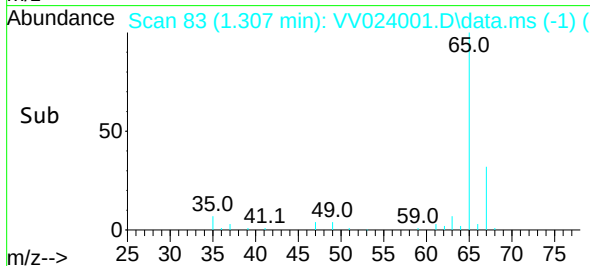
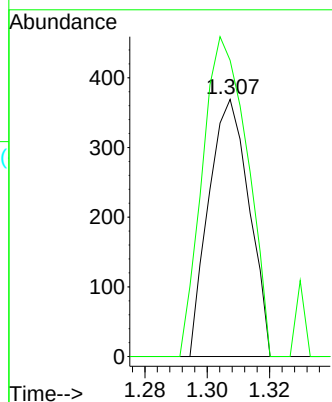
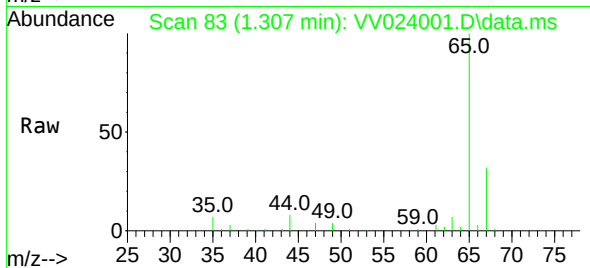




#5  
 Vinyl chloride  
 Concen: 0.044 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. -0.003 min  
 Lab File: VV024001.D  
 Acq: 16 Dec 2021 10:26

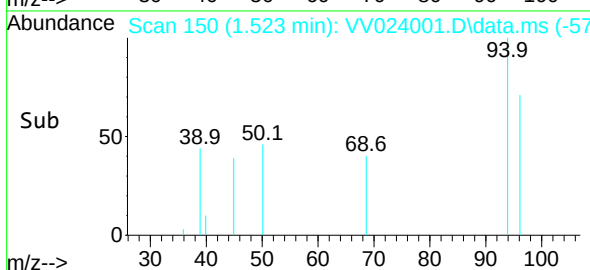
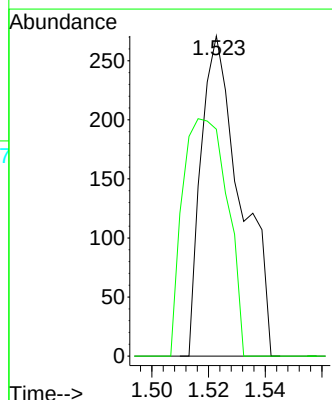
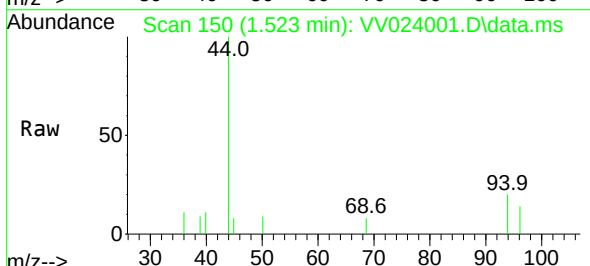
Instrument :  
 MSVOA\_V  
 ClientSampleId :

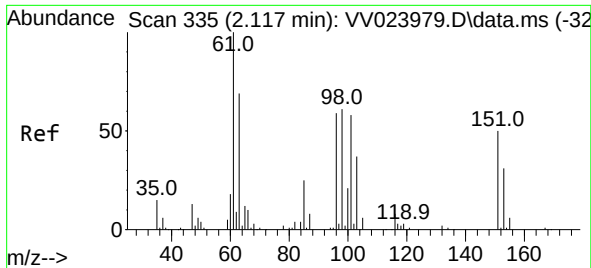
Tgt Ion: 62 Resp: 332  
 Ion Ratio Lower Upper  
 62 100  
 64 115.2 22.4 41.6#



#6  
 Bromomethane  
 Concen: 0.055 ug/L  
 RT: 1.523 min Scan# 150  
 Delta R.T. 0.000 min  
 Lab File: VV024001.D  
 Acq: 16 Dec 2021 10:26

Tgt Ion: 94 Resp: 263  
 Ion Ratio Lower Upper  
 94 100  
 96 70.8 66.2 123.0

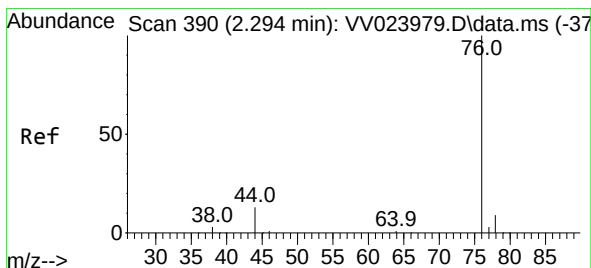
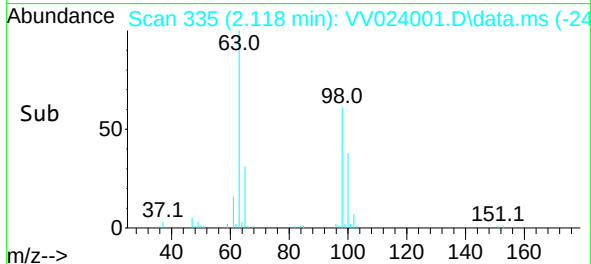
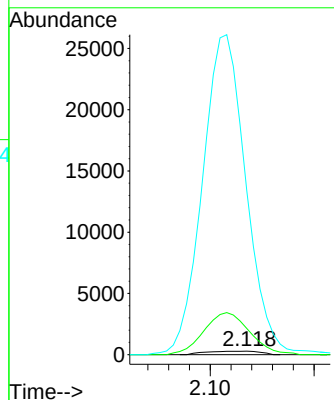
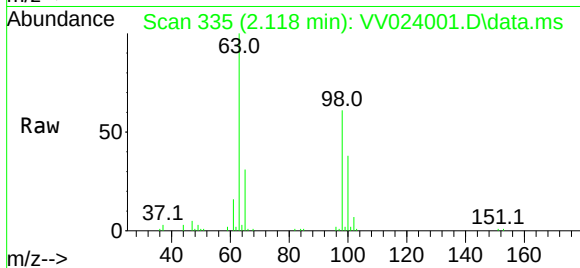




#12  
1,1-Dichloroethene  
Concen: 0.083 ug/L  
RT: 2.118 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV024001.D  
Acq: 16 Dec 2021 10:26

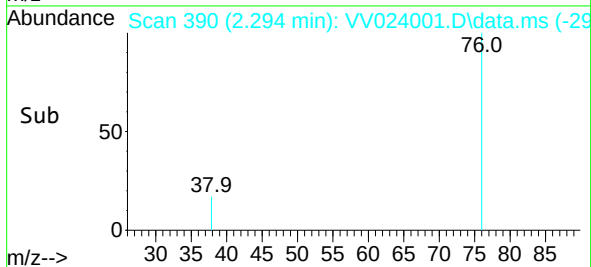
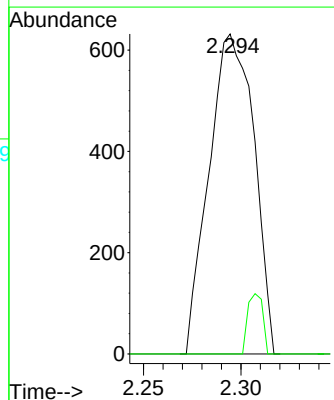
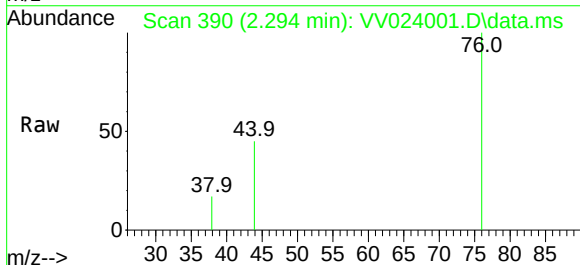
Instrument :  
MSVOA\_V  
ClientSampleId :

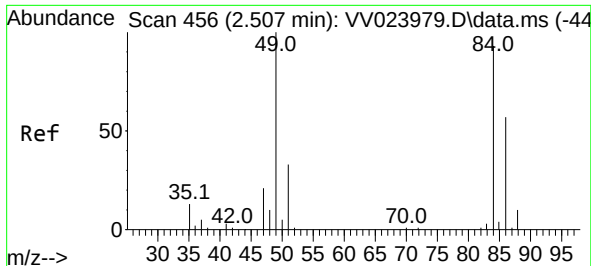
Tgt Ion: 96 Resp: 524  
Ion Ratio Lower Upper  
96 100  
61 730.4 116.1 215.5#  
63 4574.7 79.4 147.4#



#14  
Carbon disulfide  
Concen: 0.056 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. 0.000 min  
Lab File: VV024001.D  
Acq: 16 Dec 2021 10:26

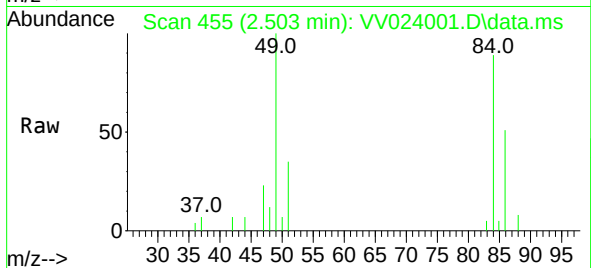
Tgt Ion: 76 Resp: 1015  
Ion Ratio Lower Upper  
76 100  
78 0.0 7.5 11.3#



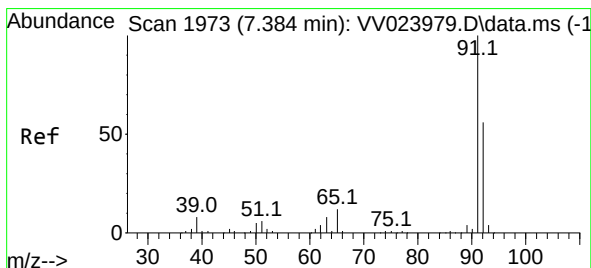
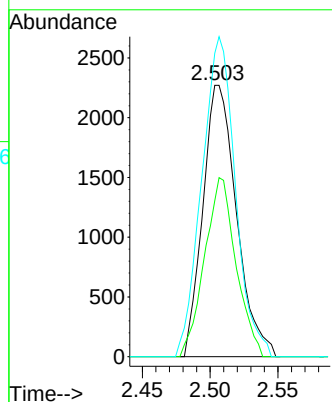
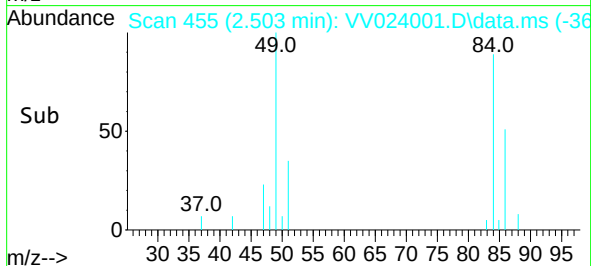


#16  
Methylene chloride  
Concen: 0.477 ug/L  
RT: 2.503 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV024001.D  
Acq: 16 Dec 2021 10:26

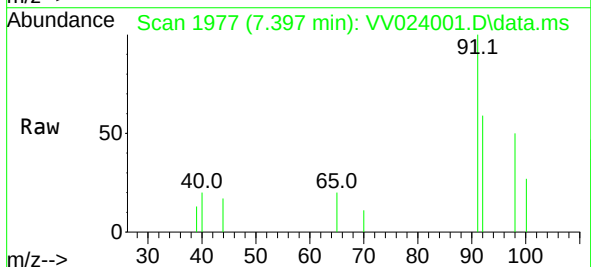
Instrument :  
MSVOA\_V  
ClientSampleId :



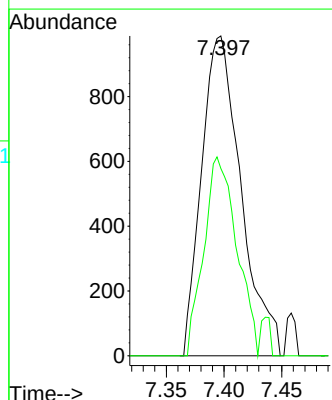
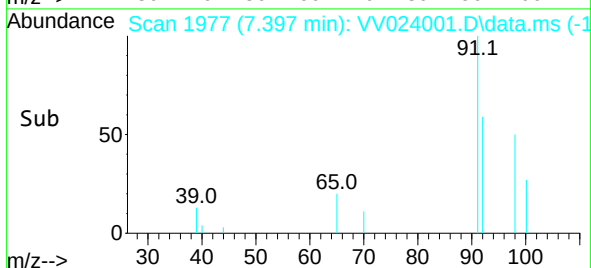
Tgt Ion: 84 Resp: 3925  
Ion Ratio Lower Upper  
84 100  
86 57.5 42.6 79.0  
49 111.8 79.7 147.9

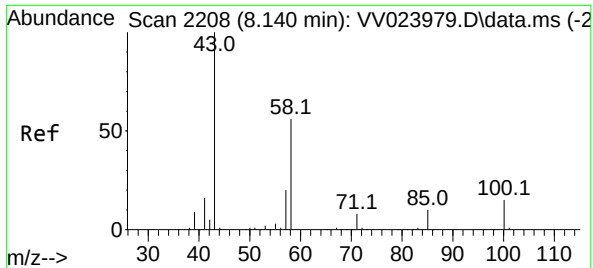


#42  
Toluene  
Concen: 0.075 ug/L  
RT: 7.397 min Scan# 1977  
Delta R.T. 0.013 min  
Lab File: VV024001.D  
Acq: 16 Dec 2021 10:26



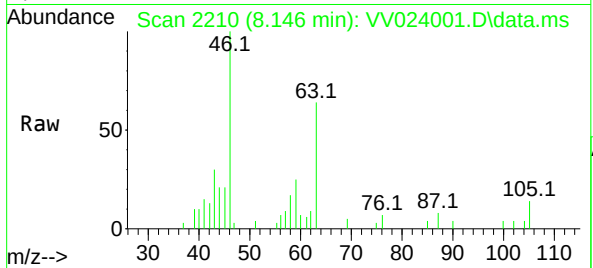
Tgt Ion: 91 Resp: 2344  
Ion Ratio Lower Upper  
91 100  
92 58.6 41.5 77.1



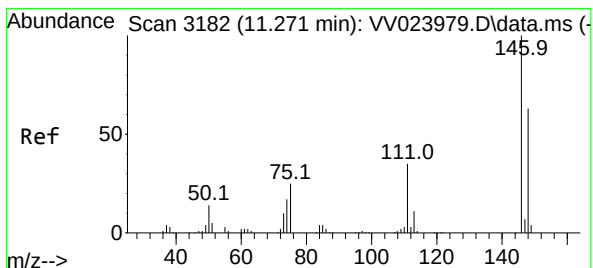
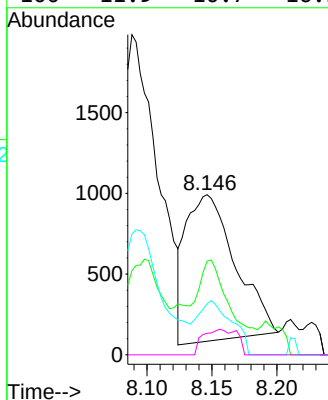
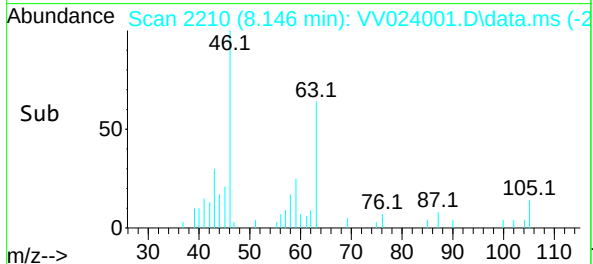


#48  
2-Hexanone  
Concen: 1.047 ug/L  
RT: 8.146 min Scan# 211  
Delta R.T. 0.007 min  
Lab File: VV024001.D  
Acq: 16 Dec 2021 10:26

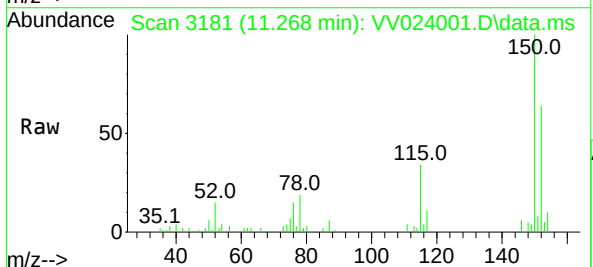
Instrument :  
MSVOA\_V  
ClientSampleId :



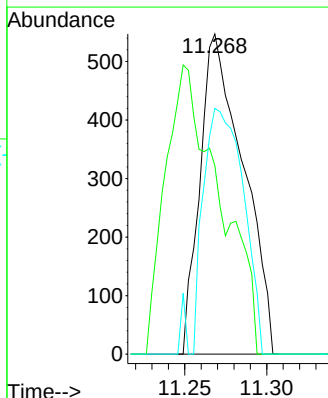
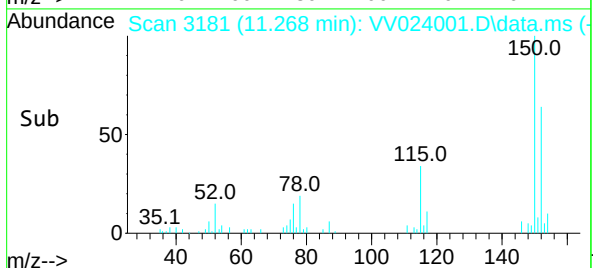
Tgt Ion: 43 Resp: 2402  
Ion Ratio Lower Upper  
43 100  
58 43.6 44.5 66.7#  
57 25.3 15.1 22.7#  
100 11.9 10.7 16.1

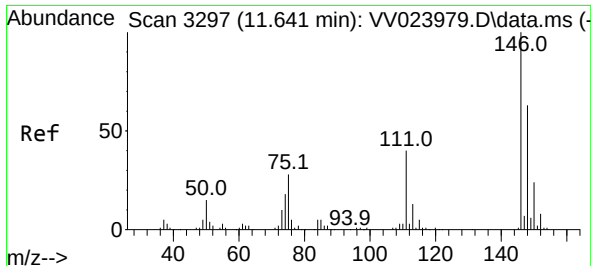


#65  
1,4-Dichlorobenzene  
Concen: 0.068 ug/L  
RT: 11.268 min Scan# 3181  
Delta R.T. -0.003 min  
Lab File: VV024001.D  
Acq: 16 Dec 2021 10:26



Tgt Ion: 146 Resp: 997  
Ion Ratio Lower Upper  
146 100  
111 58.9 25.6 47.6#  
148 76.8 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 0.086 ug/L

RT: 11.648 min Scan# 31

Delta R.T. 0.007 min

Lab File: VV024001.D

Acq: 16 Dec 2021 10:26

Instrument :

MSVOA\_V

ClientSampleId :

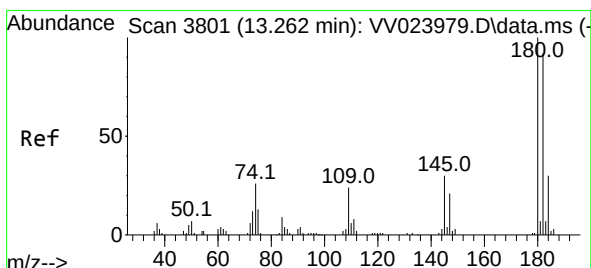
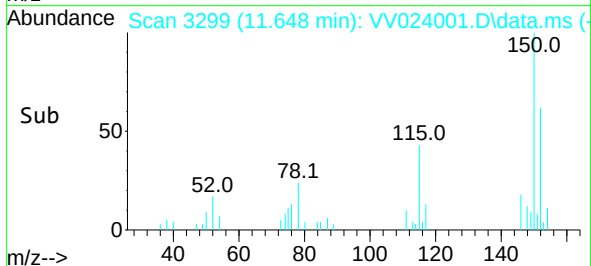
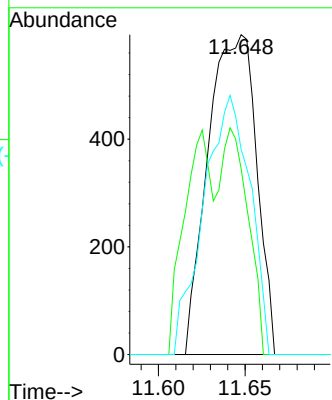
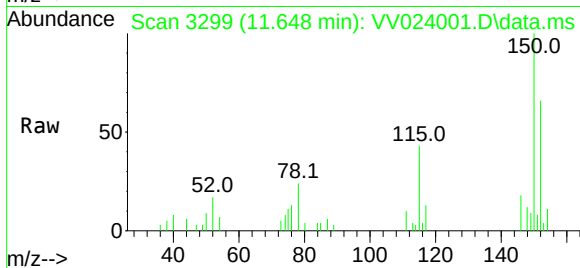
Tgt Ion:146 Resp: 1153

Ion Ratio Lower Upper

146 100

111 58.1 31.9 47.9#

148 64.1 50.5 75.7



#70

1,2,4-trichlorobenzene

Concen: 0.094 ug/L

RT: 13.271 min Scan# 3804

Delta R.T. 0.010 min

Lab File: VV024001.D

Acq: 16 Dec 2021 10:26

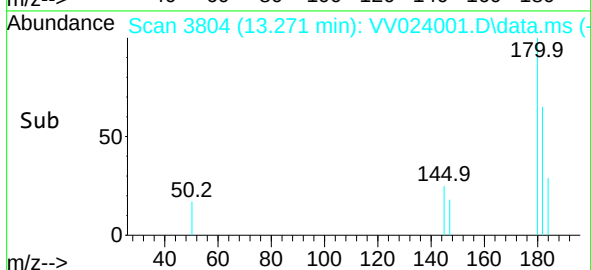
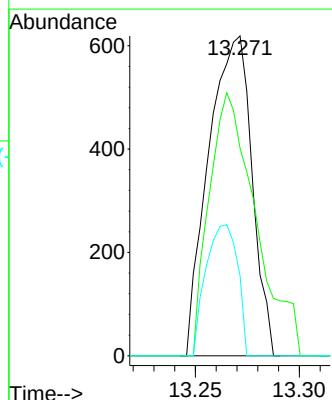
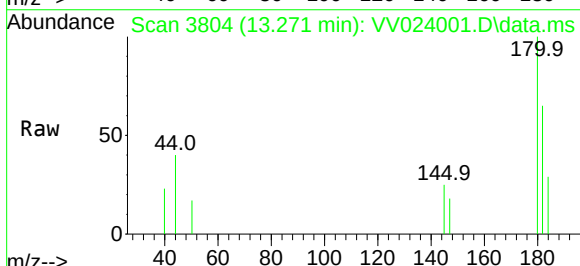
Tgt Ion:180 Resp: 897

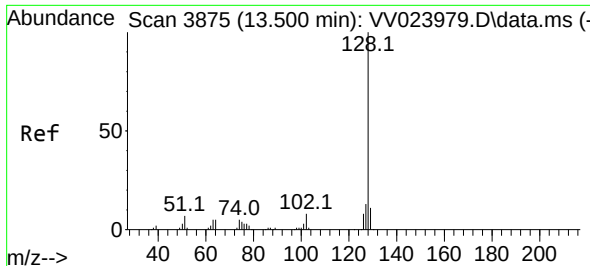
Ion Ratio Lower Upper

180 100

182 88.4 74.4 111.6

145 29.9 23.3 34.9

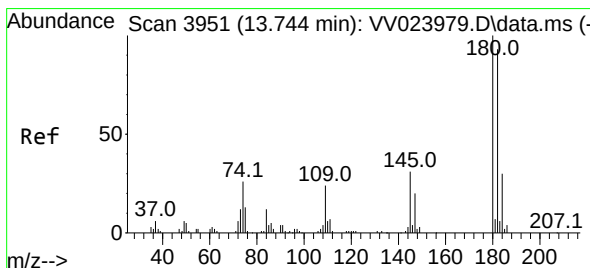
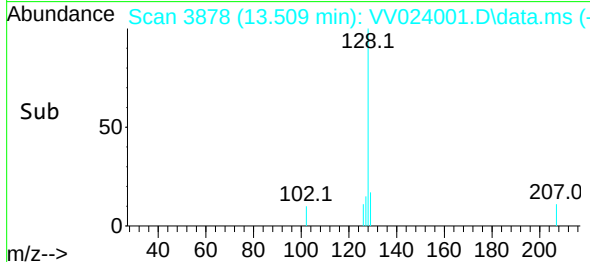
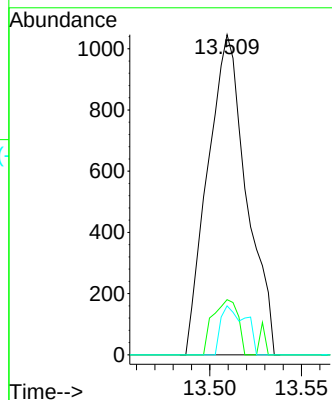
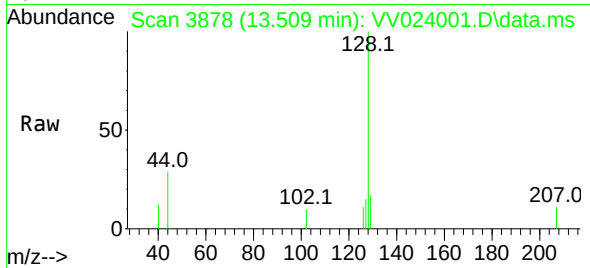




#71  
Naphthalene  
Concen: 0.112 ug/L  
RT: 13.509 min Scan# 3875  
Delta R.T. 0.010 min  
Lab File: VV024001.D  
Acq: 16 Dec 2021 10:26

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 1534  
Ion Ratio Lower Upper  
128 100  
129 11.1 9.0 13.4  
127 9.7 10.2 15.4#



#72  
1,2,3-Trichlorobenzene  
Concen: 0.104 ug/L  
RT: 13.744 min Scan# 3951  
Delta R.T. 0.000 min  
Lab File: VV024001.D  
Acq: 16 Dec 2021 10:26

Tgt Ion:180 Resp: 872  
Ion Ratio Lower Upper  
180 100  
182 102.8 76.8 115.2  
145 20.9 25.8 38.6#

