

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121121\  
 Data File : VV023929.D  
 Acq On : 11 Dec 2021 14:24  
 Operator : SY/MD  
 Sample : VV1211WBL01  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Dec 12 00:27:04 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Dec 11 04:33:17 2021  
 Response via : Initial Calibration

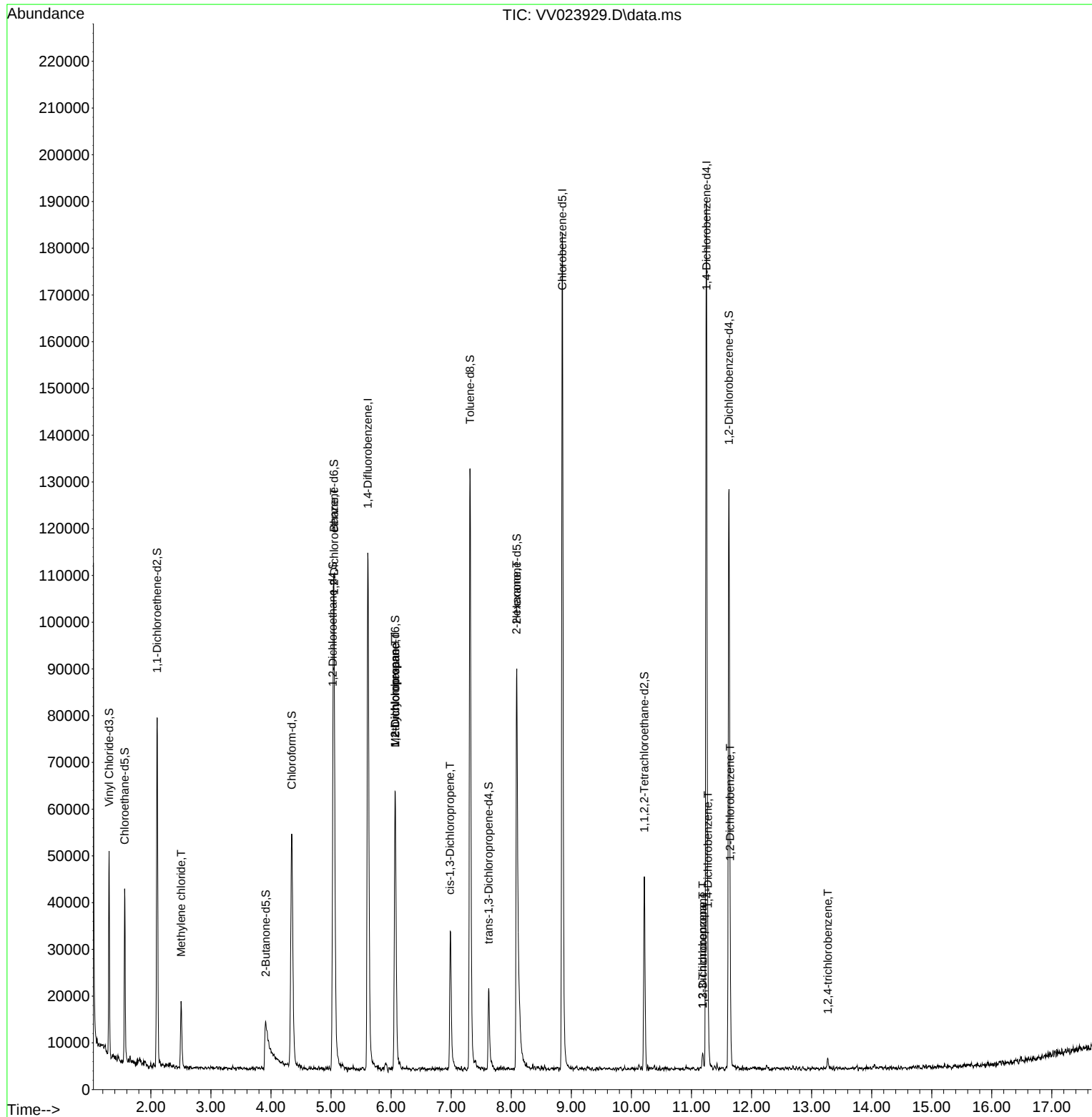
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 101182   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 102176   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 50063    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 25870    | 4.756    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 95.200%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 21247    | 4.682    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 93.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 37902    | 3.570    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 71.400%  |
| 20) 2-Butanone-d5             | 3.912  | 46    | 23410    | 22.029   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 44.060%  |
| 24) Chloroform-d              | 4.346  | 84    | 51171    | 4.153    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.030  | 65    | 25030    | 4.363    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 87.200%  |
| 32) Benzene-d6                | 5.047  | 84    | 97135    | 4.800    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 28019    | 4.589    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.800%  |
| 41) Toluene-d8                | 7.313  | 98    | 88684    | 4.867    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.400%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 10448    | 4.125    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.400%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 36325    | 32.035   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 64.080%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 19074    | 3.766    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 75.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 32899    | 4.920    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.400%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 16) Methylene chloride        | 2.503  | 84    | 5185     | 0.584    | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 5.053  | 62    | 525      | 0.065    | ug/L # | 73       |
| 35) Methylcyclohexane         | 6.066  | 83    | 7382     | 0.615    | ug/L # | 20       |
| 37) 1,2-Dichloropropane       | 6.066  | 63    | 3325     | 0.484    | ug/L # | 84       |
| 39) cis-1,3-Dichloropropene   | 6.982  | 75    | 838      | 0.082    | ug/L # | 60       |
| 48) 2-Hexanone                | 8.088  | 43    | 3637     | 1.520    | ug/L # | 64       |
| 61) 1,2,3-Trichloropropane    | 11.188 | 75    | 527      | 0.155    | ug/L # | 37       |
| 64) 1,3-Dichlorobenzene       | 11.188 | 146   | 1931     | 0.128    | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146   | 5168     | 0.342    | ug/L   | 85       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146   | 6282     | 0.456    | ug/L   | 95       |
| 70) 1,2,4-trichlorobenzene    | 13.271 | 180   | 920      | 0.095    | ug/L # | 91       |
| -----                         |        |       |          |          |        |          |

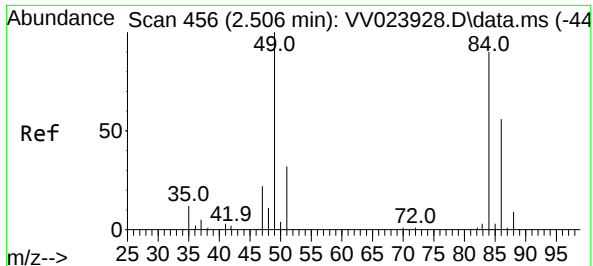
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV121121\  
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Operator : SY/MD  
Sample : VV1211WBL01  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

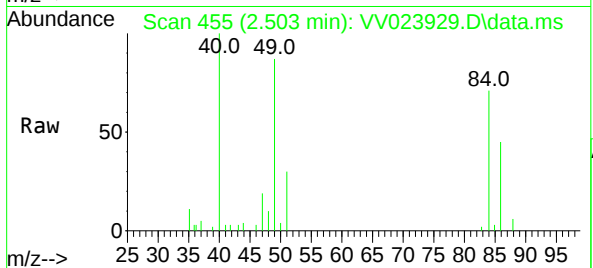
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR121021WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Dec 11 04:33:17 2021  
Response via : Initial Calibration



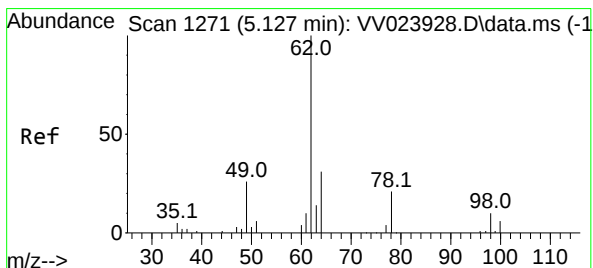
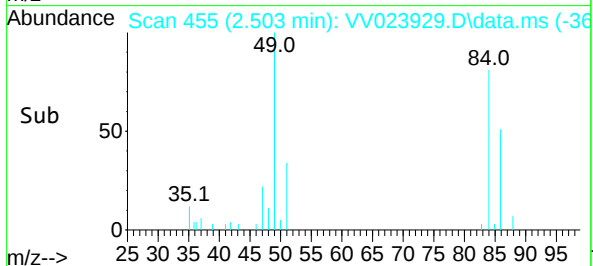
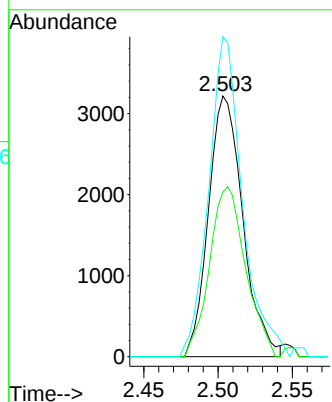


#16  
Methylene chloride  
Concen: 0.584 ug/L  
RT: 2.503 min Scan# 41  
Delta R.T. -0.003 min  
Lab File: VV023929.D  
Acq: 11 Dec 2021 14:24

Instrument :  
MSVOA\_V  
ClientSampleId :

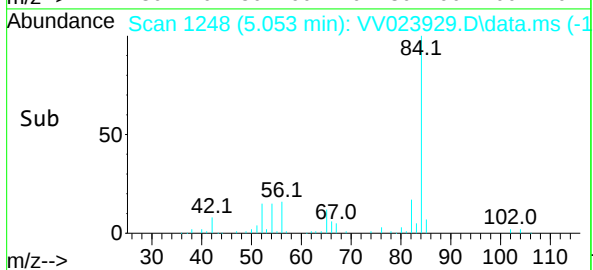
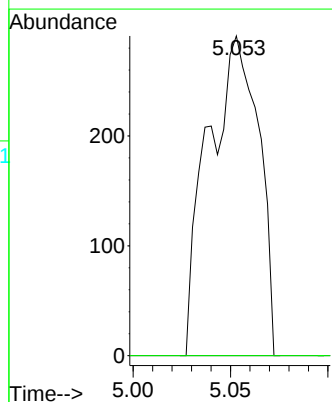
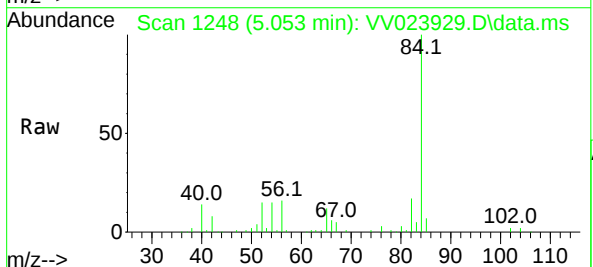


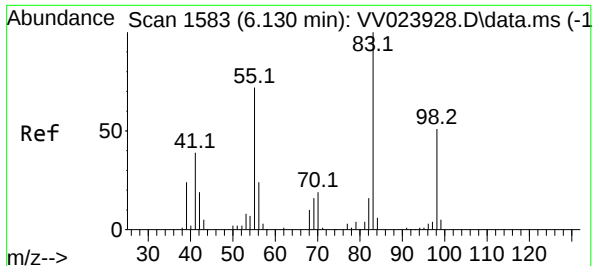
Tgt Ion: 84 Resp: 5185  
Ion Ratio Lower Upper  
84 100  
86 63.2 42.6 79.0  
49 122.8 79.7 147.9



#27  
1,2-Dichloroethane  
Concen: 0.065 ug/L  
RT: 5.053 min Scan# 1248  
Delta R.T. -0.077 min  
Lab File: VV023929.D  
Acq: 11 Dec 2021 14:24

Tgt Ion: 62 Resp: 525  
Ion Ratio Lower Upper  
62 100  
98 0.0 8.1 12.1#





#35

Methylcyclohexane

Concen: 0.615 ug/L

RT: 6.066 min Scan# 1563

Delta R.T. -0.064 min

Lab File: VV023929.D

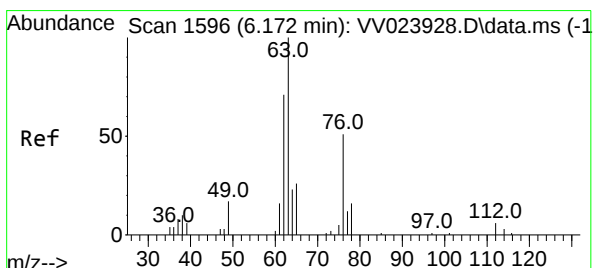
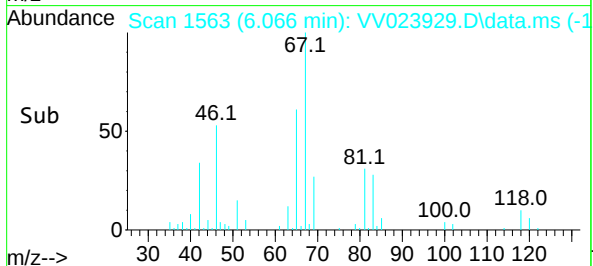
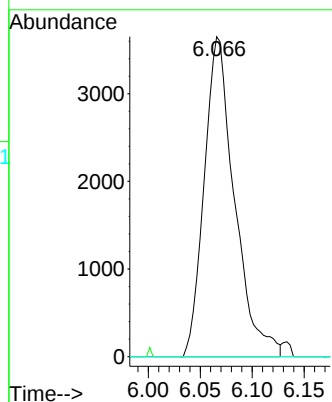
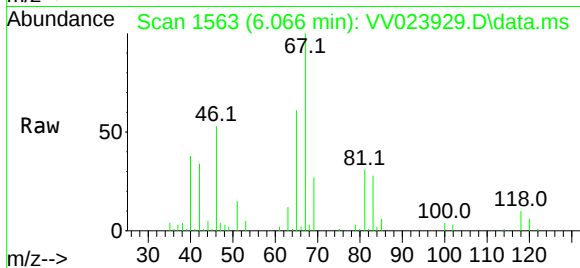
Acq: 11 Dec 2021 14:24

Instrument :

MSVOA\_V

ClientSampleId :

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 7382  |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 55 0.3      | 60.2 90.2#  |
| 98 2.8      | 41.0 61.4#  |



#37

1,2-Dichloropropane

Concen: 0.484 ug/L

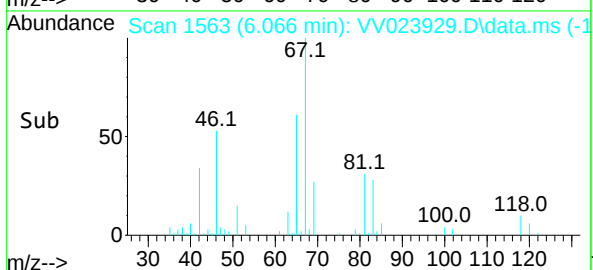
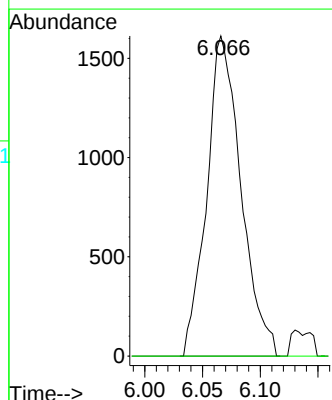
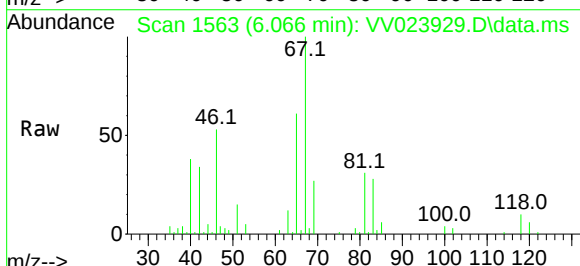
RT: 6.066 min Scan# 1563

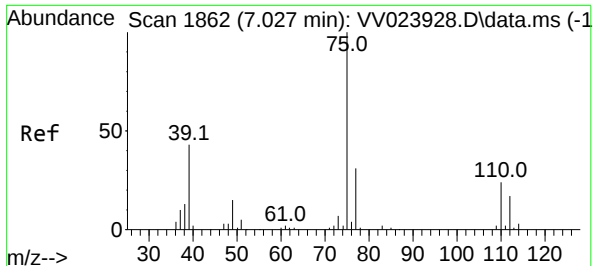
Delta R.T. -0.103 min

Lab File: VV023929.D

Acq: 11 Dec 2021 14:24

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 3325  |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 112 0.0     | 4.3 6.5#    |





#39

cis-1,3-Dichloropropene

Concen: 0.082 ug/L

RT: 6.982 min Scan# 11

Delta R.T. -0.045 min

Lab File: VV023929.D

Acq: 11 Dec 2021 14:24

Instrument :

MSVOA\_V

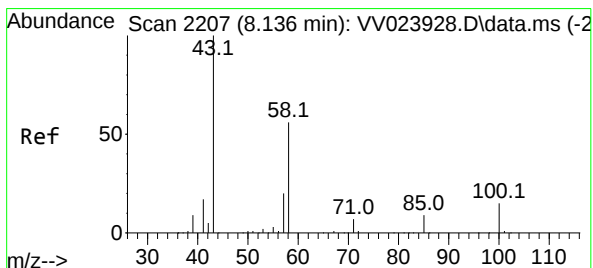
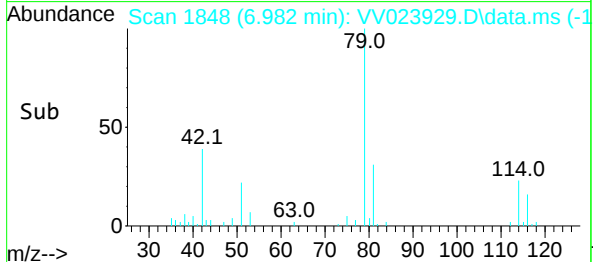
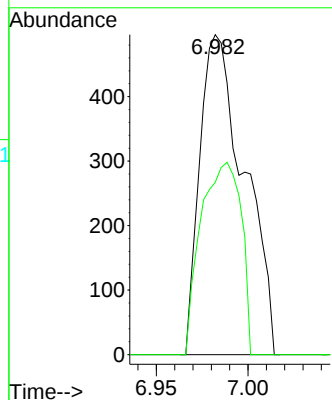
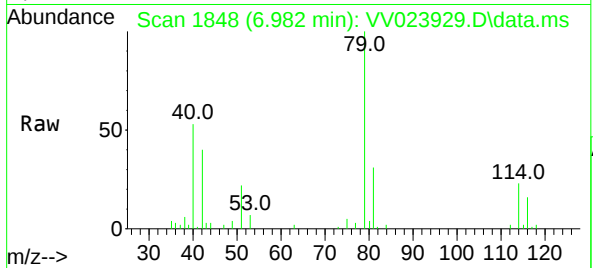
ClientSampleId :

Tgt Ion: 75 Resp: 838

Ion Ratio Lower Upper

75 100

77 53.8 22.0 41.0#



#48

2-Hexanone

Concen: 1.520 ug/L

RT: 8.088 min Scan# 2192

Delta R.T. -0.051 min

Lab File: VV023929.D

Acq: 11 Dec 2021 14:24

Tgt Ion: 43 Resp: 3637

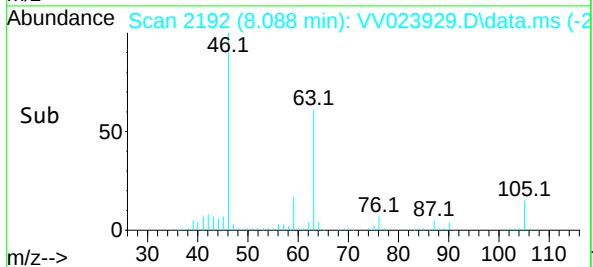
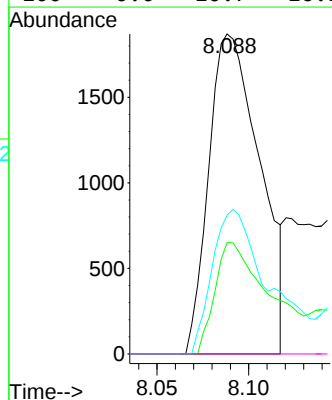
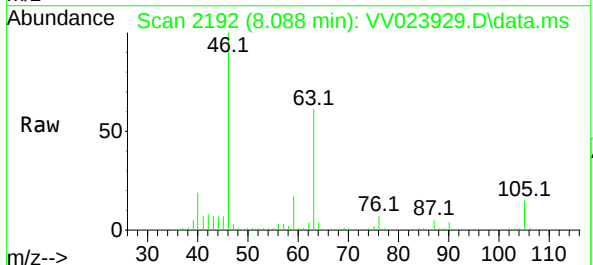
Ion Ratio Lower Upper

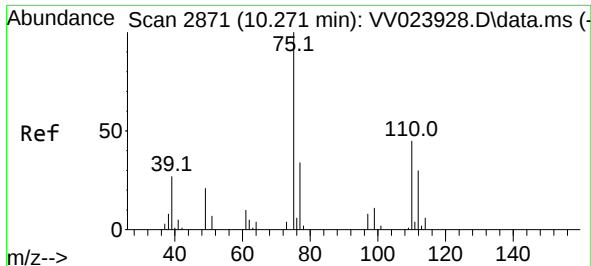
43 100

58 37.3 44.5 66.7#

57 50.6 15.1 22.7#

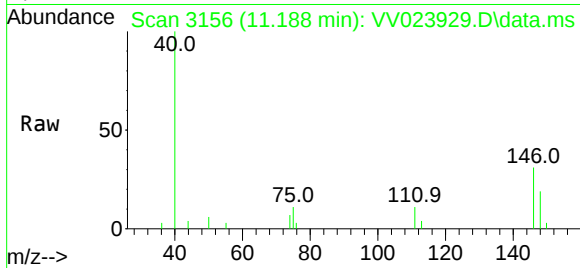
100 0.0 10.7 16.1#



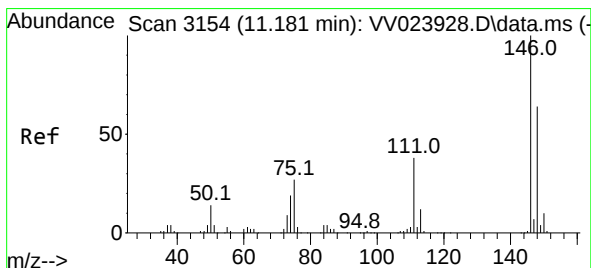
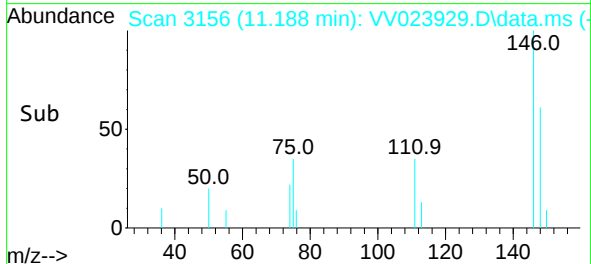
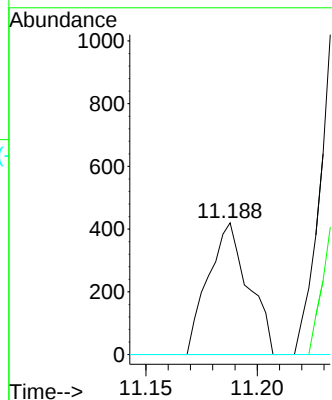


#61  
1,2,3-Trichloropropane  
Concen: 0.155 ug/L  
RT: 11.188 min Scan# 3156  
Delta R.T. 0.916 min  
Lab File: VV023929.D  
Acq: 11 Dec 2021 14:24

Instrument :  
MSVOA\_V  
ClientSampleId :

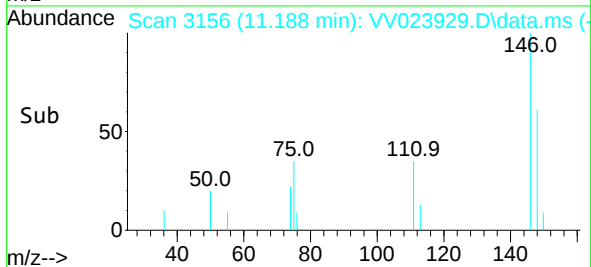
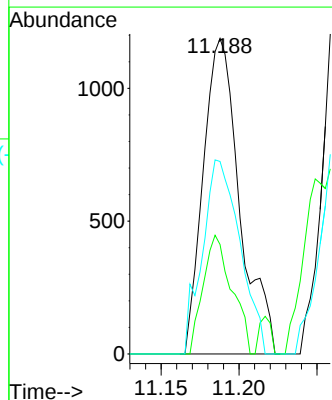
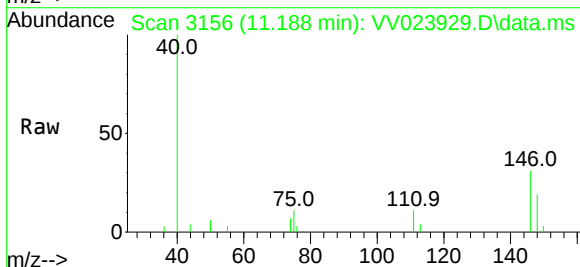


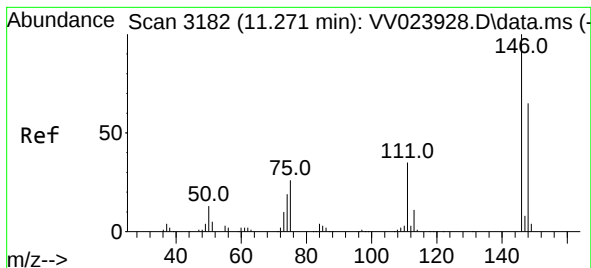
Tgt Ion: 75 Resp: 527  
Ion Ratio Lower Upper  
75 100  
77 0.0 26.4 39.6#  
110 0.0 34.2 51.2#



#64  
1,3-Dichlorobenzene  
Concen: 0.128 ug/L  
RT: 11.188 min Scan# 3156  
Delta R.T. 0.010 min  
Lab File: VV023929.D  
Acq: 11 Dec 2021 14:24

Tgt Ion: 146 Resp: 1931  
Ion Ratio Lower Upper  
146 100  
111 34.7 26.3 48.9  
148 61.0 44.4 82.5





#65

1,4-Dichlorobenzene

Concen: 0.342 ug/L

RT: 11.275 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VV023929.D

Acq: 11 Dec 2021 14:24

Instrument :

MSVOA\_V

ClientSampleId :

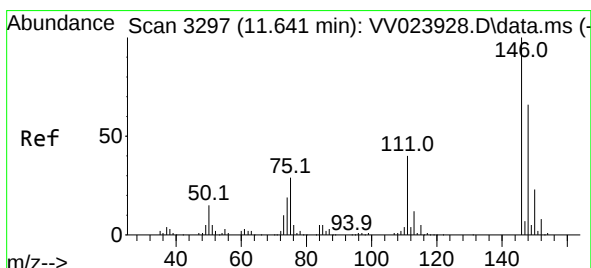
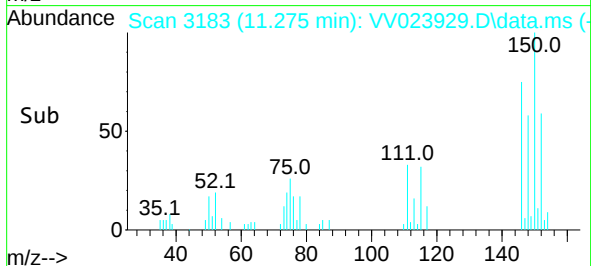
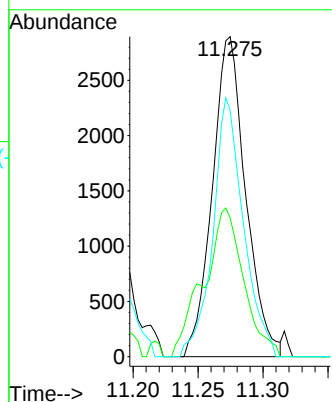
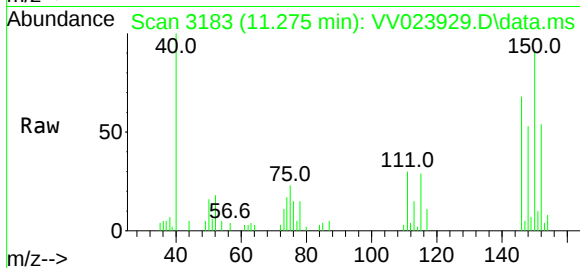
Tgt Ion:146 Resp: 5168

Ion Ratio Lower Upper

146 100

111 43.4 25.6 47.6

148 77.0 44.8 83.2



#67

1,2-Dichlorobenzene

Concen: 0.456 ug/L

RT: 11.644 min Scan# 3298

Delta R.T. 0.003 min

Lab File: VV023929.D

Acq: 11 Dec 2021 14:24

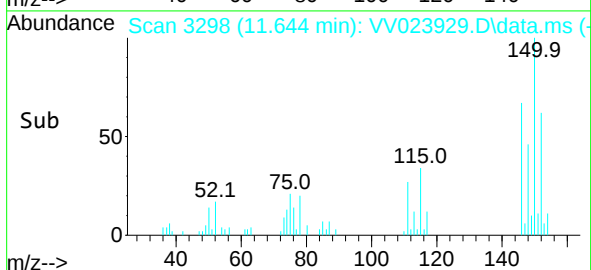
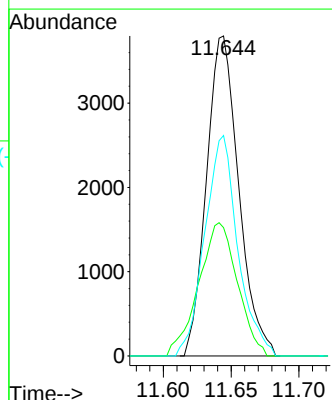
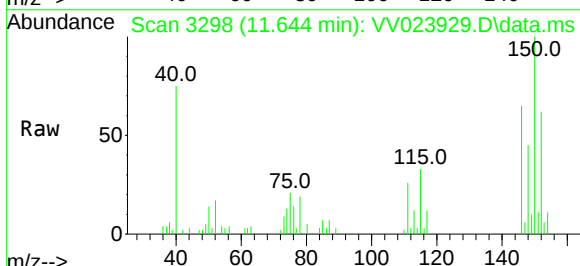
Tgt Ion:146 Resp: 6282

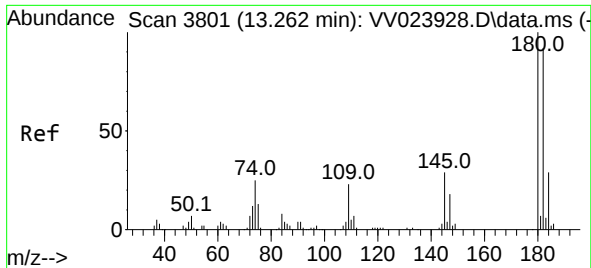
Ion Ratio Lower Upper

146 100

111 40.1 31.9 47.9

148 68.9 50.5 75.7





#70

1,2,4-trichlorobenzene

Concen: 0.095 ug/L

RT: 13.271 min Scan# 3804

Delta R.T. 0.010 min

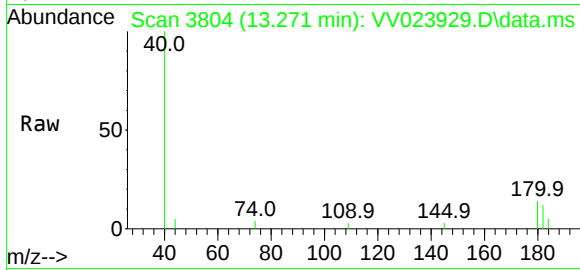
Lab File: VV023929.D

Acq: 11 Dec 2021 14:24

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 920

Ion Ratio Lower Upper

180 100

182 99.6 74.4 111.6

145 19.6 23.3 34.9#

