

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072624\  
 Data File : VW029750.D  
 Acq On : 26 Jul 2024 14:39  
 Operator : SY/MD  
 Sample : P3361-01  
 Misc : 8.89g/10mL/MSVOA\_W/SOIL/A  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Jul 27 00:55:36 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Jul 27 00:53:25 2024  
 Response via : Initial Calibration

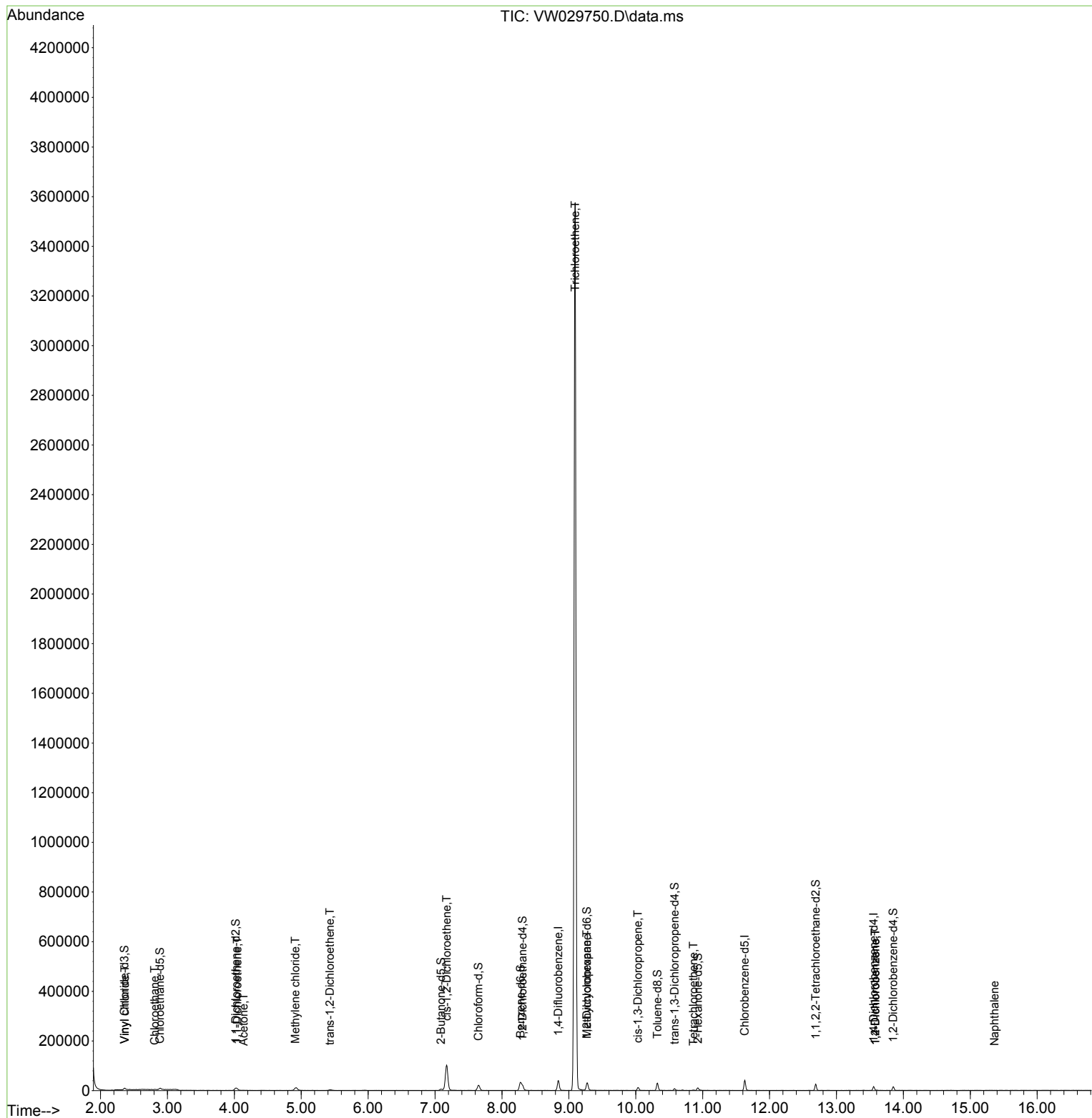
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.843  | 114   | 30218    | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 20522    | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 3594     | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.357  | 65    | 5260     | 12.261   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 49.040%   |
| 7) Chloroethane-d5            | 2.887  | 69    | 6526     | 21.308   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 85.240%   |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 2904     | 14.829   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 59.320%   |
| 21) 2-Butanone-d5             | 7.088  | 46    | 8299     | 70.581   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 141.160%# |
| 24) Chloroform-d              | 7.648  | 84    | 20757    | 26.535   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 106.160%  |
| 26) 1,2-Dichloroethane-d4     | 8.307  | 65    | 14393    | 32.304   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 129.200%  |
| 32) Benzene-d6                | 8.276  | 84    | 30668    | 27.658   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 110.640%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 13587    | 38.375   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 153.480%# |
| 41) Toluene-d8                | 10.325 | 98    | 18738    | 19.005   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 76.040%   |
| 43) trans-1,3-Dichloroprop... | 10.581 | 79    | 3659     | 25.539   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 102.160%  |
| 47) 2-Hexanone-d5             | 10.928 | 63    | 3288     | 56.319   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 112.640%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 12129    | 46.136   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 184.560%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 3212     | 28.782   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 115.120%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 5) Vinyl chloride             | 2.363  | 62    | 2149     | 3.805    | ug/L   | 92        |
| 8) Chloroethane               | 2.808  | 64    | 156      | 0.486    | ug/L   | 86        |
| 12) 1,1-Dichloroethene        | 4.045  | 96    | 1361     | 3.297    | ug/L # | 1         |
| 13) Acetone                   | 4.137  | 43    | 748      | 5.119    | ug/L   | 98        |
| 16) Methylene chloride        | 4.911  | 84    | 3352     | 5.306    | ug/L   | 90        |
| 17) trans-1,2-Dichloroethene  | 5.429  | 96    | 372      | 0.836    | ug/L   | 76        |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 57513    | 119.186  | ug/L   | 96        |
| 34) Trichloroethene           | 9.093  | 95    | 1216000  | 3298.875 | ug/L   | 96        |
| 35) Methylcyclohexane         | 9.270  | 83    | 3191     | 5.195    | ug/L # | 17        |
| 39) cis-1,3-Dichloropropene   | 10.032 | 75    | 395      | 0.704    | ug/L # | 71        |
| 46) Tetrachloroethene         | 10.861 | 164   | 320      | 1.194    | ug/L   | 91        |
| 65) 1,4-Dichlorobenzene       | 13.580 | 146   | 124      | 0.509    | ug/L # | 66        |
| 67) 1,2-Dichlorobenzene       | 13.580 | 146   | 124      | 0.574    | ug/L # | 64        |
| 71) Naphthalene               | 15.360 | 128   | 161      | 0.617    | ug/L # | 69        |
| -----                         |        |       |          |          |        |           |

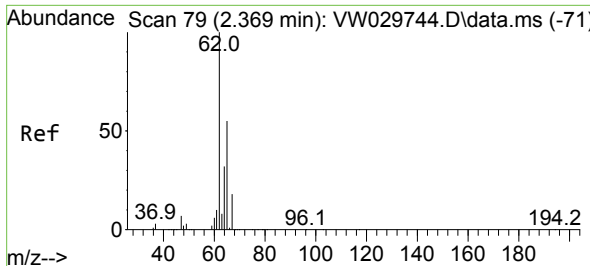
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW072624\  
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Sample : P3361-01  
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ALS Vial : 9 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :

Quant Time: Jul 27 00:55:36 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Jul 27 00:53:25 2024  
Response via : Initial Calibration

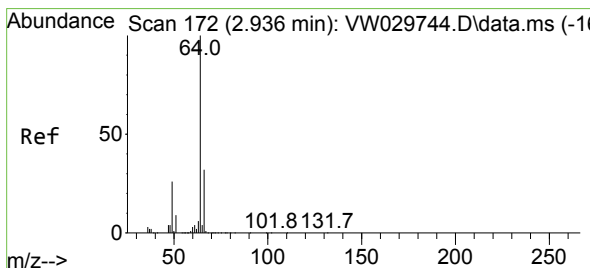
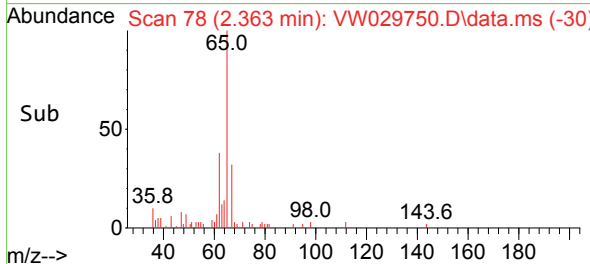
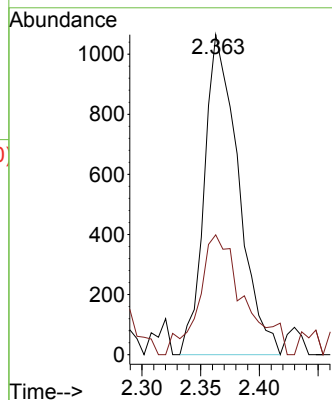
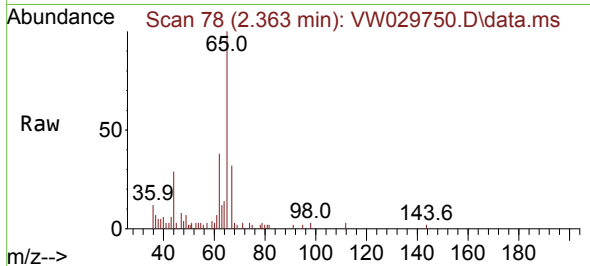




#5  
 Vinyl chloride  
 Concen: 3.805 ug/L  
 RT: 2.363 min Scan# 71  
 Delta R.T. -0.006 min  
 Lab File: VW029750.D  
 Acq: 26 Jul 2024 14:39

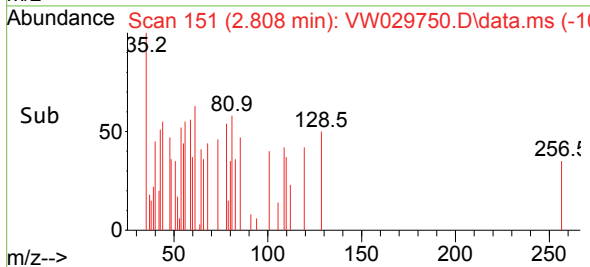
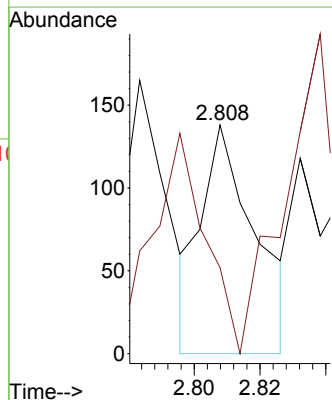
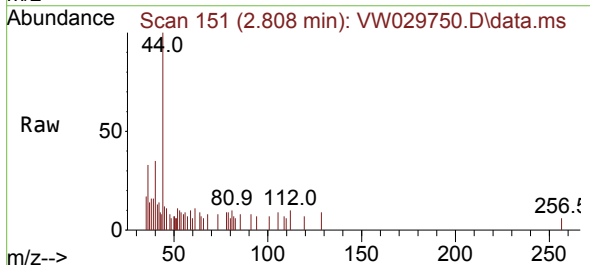
Instrument :  
 MSVOA\_W  
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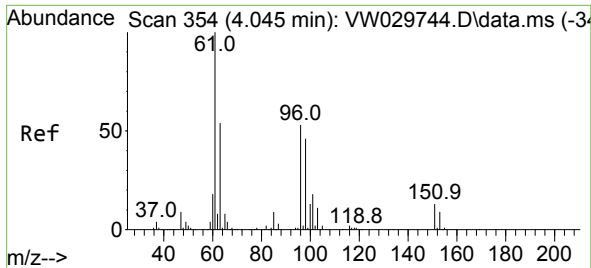
Tgt Ion: 62 Resp: 2149  
 Ion Ratio Lower Upper  
 62 100  
 64 37.5 23.2 43.2



#8  
 Chloroethane  
 Concen: 0.486 ug/L  
 RT: 2.808 min Scan# 151  
 Delta R.T. -0.128 min  
 Lab File: VW029750.D  
 Acq: 26 Jul 2024 14:39

Tgt Ion: 64 Resp: 156  
 Ion Ratio Lower Upper  
 64 100  
 66 37.7 21.2 39.4

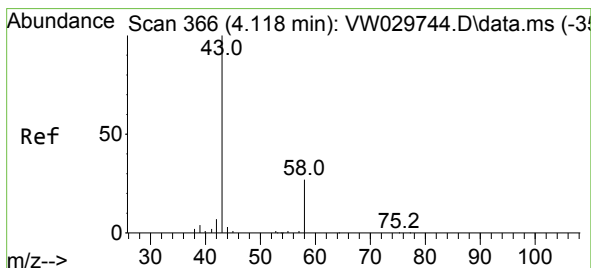
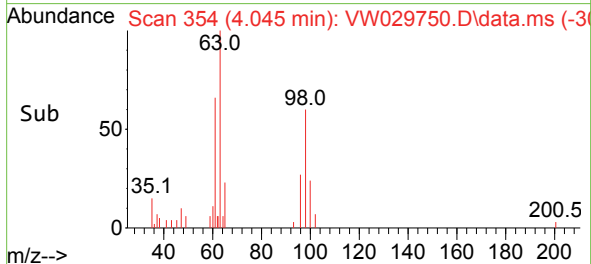
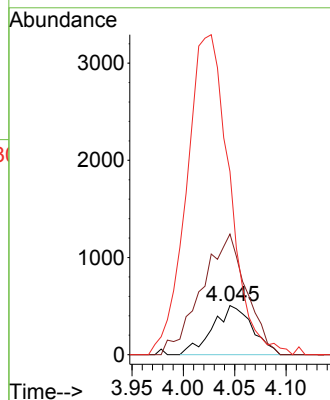
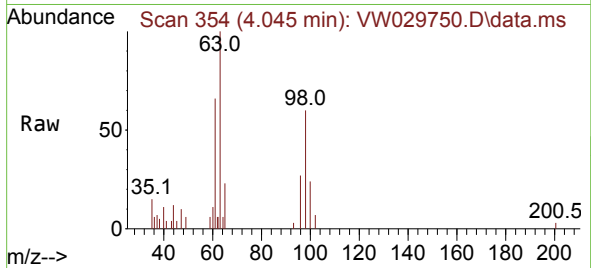




#12  
1,1-Dichloroethene  
Concen: 3.297 ug/L  
RT: 4.045 min Scan# 311  
Delta R.T. 0.000 min  
Lab File: VW029750.D  
Acq: 26 Jul 2024 14:39

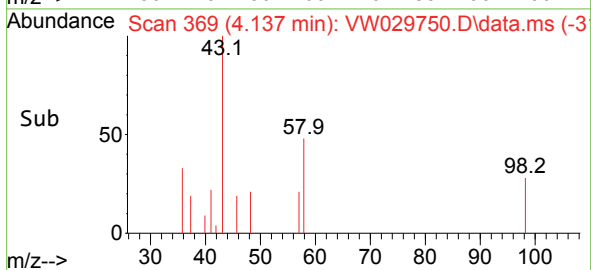
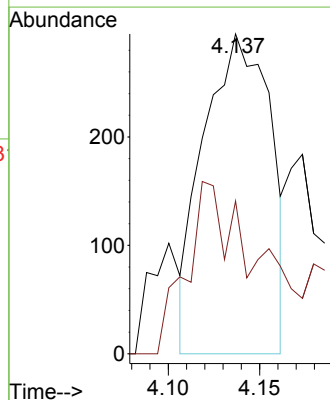
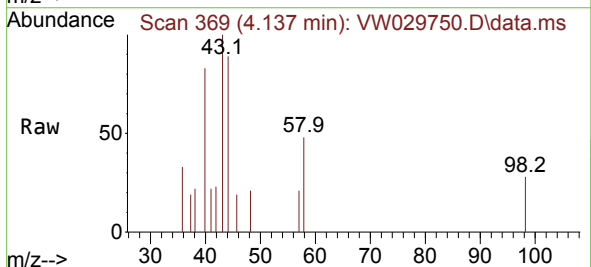
Instrument :  
MSVOA\_W  
ClientSampleId :

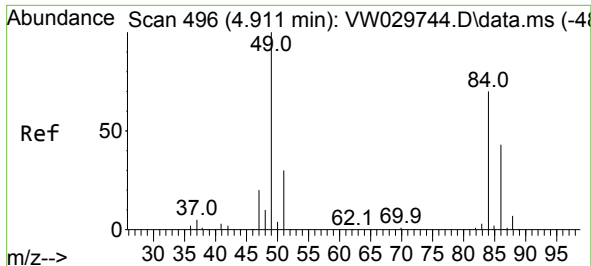
Tgt Ion: 96 Resp: 1361  
Ion Ratio Lower Upper  
96 100  
61 245.7 138.3 256.9  
63 373.5 89.0 165.4#



#13  
Acetone  
Concen: 5.119 ug/L  
RT: 4.137 min Scan# 369  
Delta R.T. 0.018 min  
Lab File: VW029750.D  
Acq: 26 Jul 2024 14:39

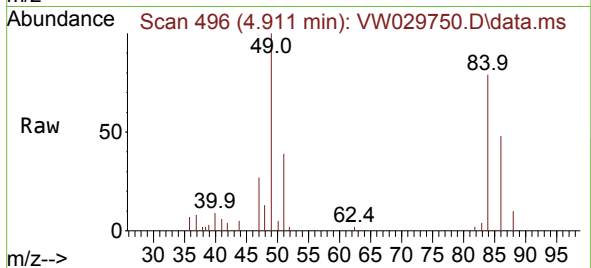
Tgt Ion: 43 Resp: 748  
Ion Ratio Lower Upper  
43 100  
58 29.9 0.0 57.6



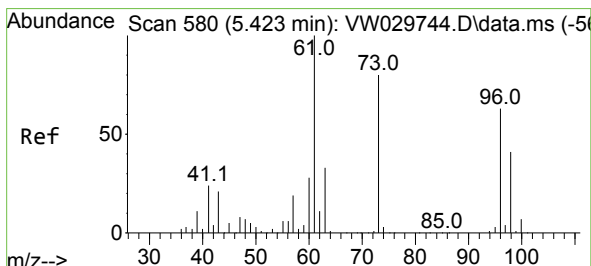
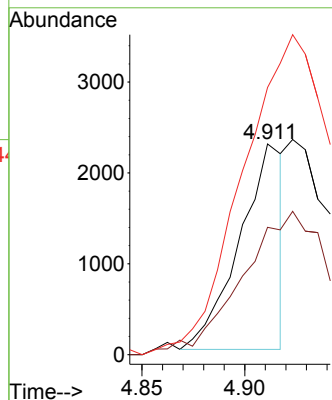
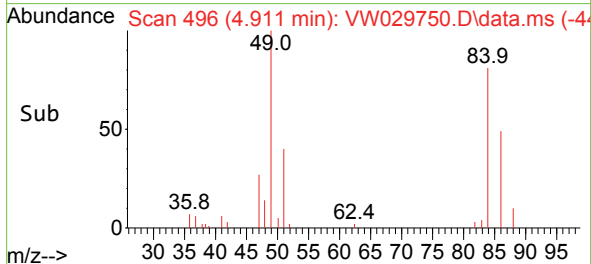


#16  
Methylene chloride  
Concen: 5.306 ug/L  
RT: 4.911 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VW029750.D  
Acq: 26 Jul 2024 14:39

Instrument :  
MSVOA\_W  
ClientSampleId :

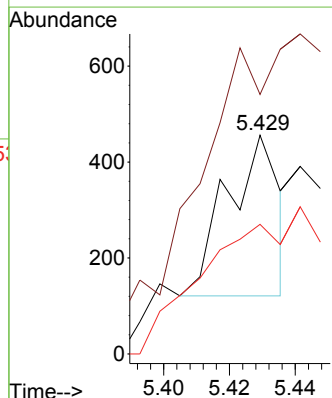
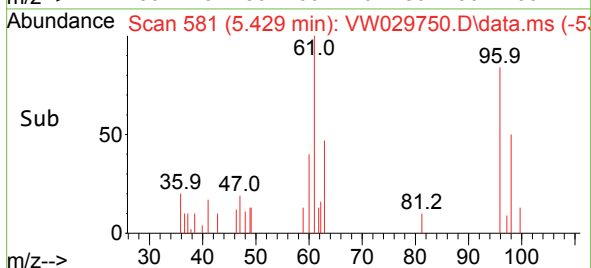
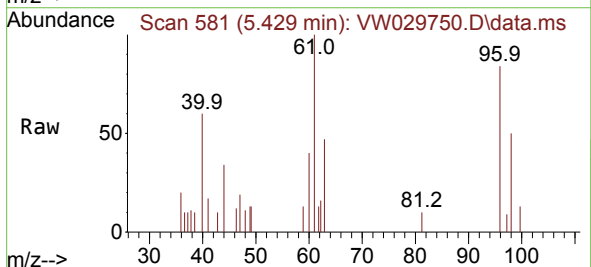


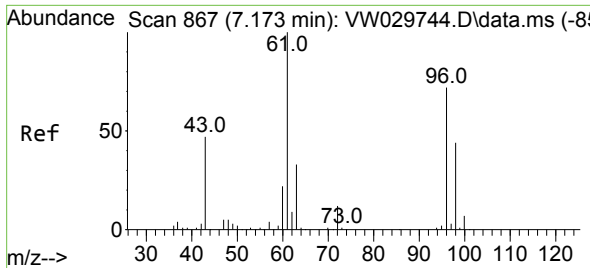
Tgt Ion: 84 Resp: 3352  
Ion Ratio Lower Upper  
84 100  
86 60.5 44.7 82.9  
49 126.8 99.0 184.0



#17  
trans-1,2-Dichloroethene  
Concen: 0.836 ug/L  
RT: 5.429 min Scan# 581  
Delta R.T. 0.006 min  
Lab File: VW029750.D  
Acq: 26 Jul 2024 14:39

Tgt Ion: 96 Resp: 372  
Ion Ratio Lower Upper  
96 100  
61 118.6 111.2 206.6  
98 59.2 45.0 83.6

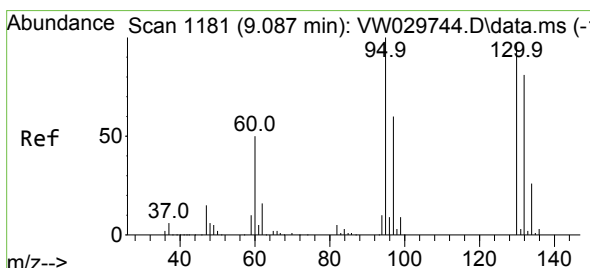
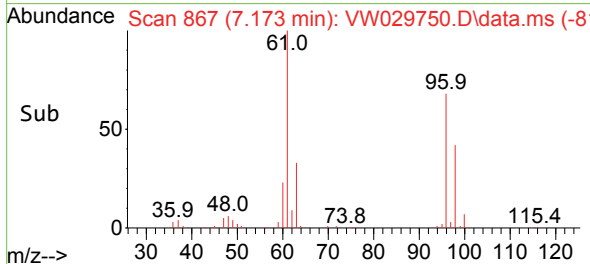
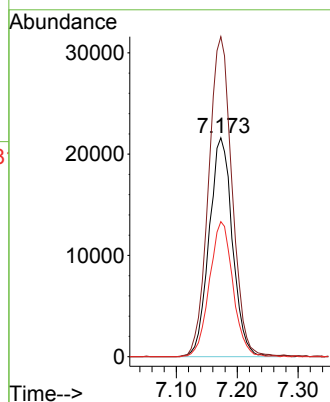
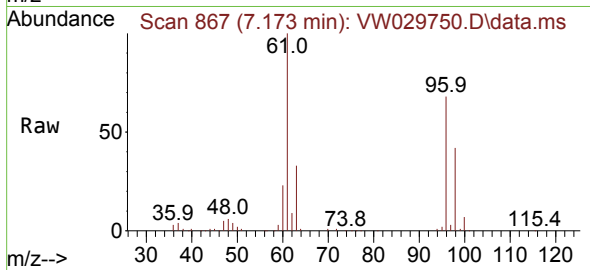




#20  
 cis-1,2-Dichloroethene  
 Concen: 119.186 ug/L  
 RT: 7.173 min Scan# 80  
 Delta R.T. 0.000 min  
 Lab File: VW029750.D  
 Acq: 26 Jul 2024 14:39

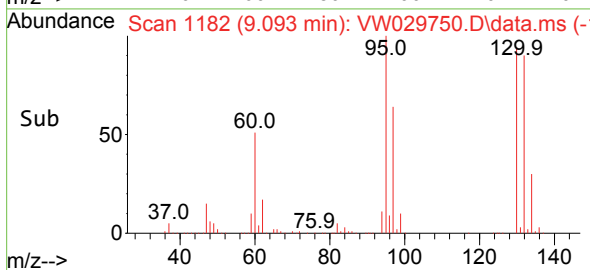
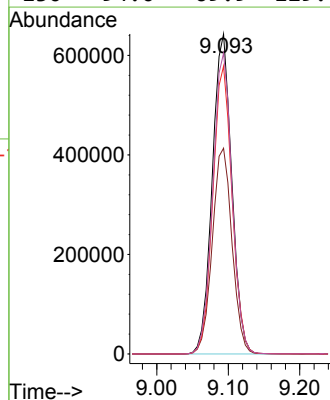
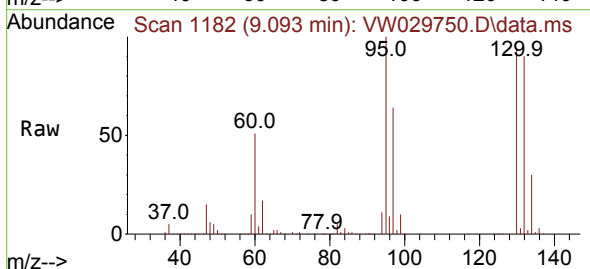
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 ClientSampleId :

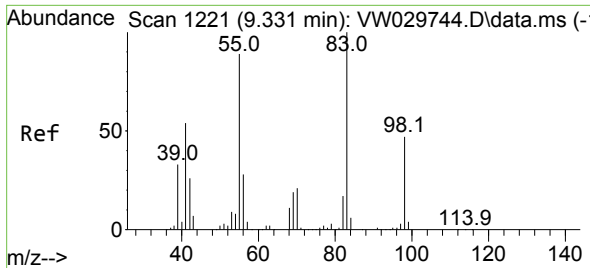
Tgt Ion: 96 Resp: 57513  
 Ion Ratio Lower Upper  
 96 100  
 61 146.2 98.2 182.4  
 98 61.7 41.9 77.9



#34  
 Trichloroethene  
 Concen: 3298.875 ug/L  
 RT: 9.093 min Scan# 1182  
 Delta R.T. 0.006 min  
 Lab File: VW029750.D  
 Acq: 26 Jul 2024 14:39

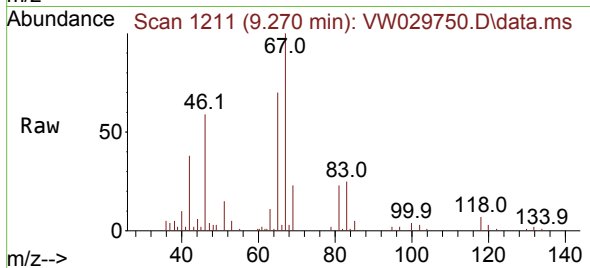
Tgt Ion: 95 Resp: 1216000  
 Ion Ratio Lower Upper  
 95 100  
 97 64.3 45.6 84.8  
 132 89.9 65.2 121.0  
 130 94.0 69.9 129.7



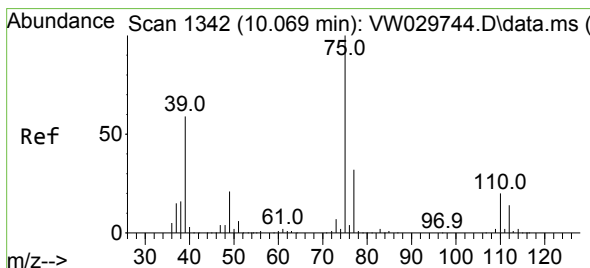
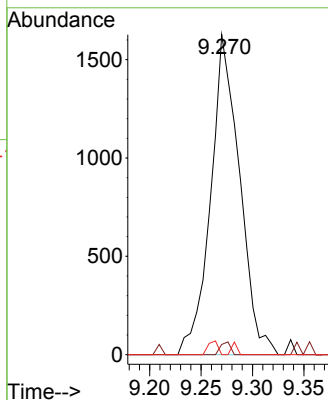
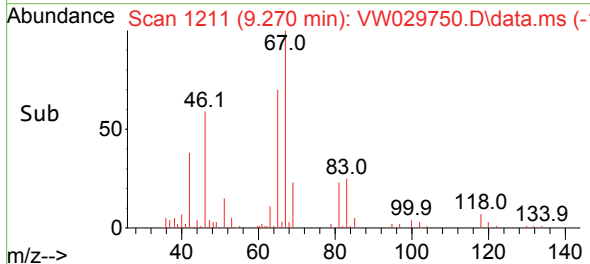


#35  
Methylcyclohexane  
Concen: 5.195 ug/L  
RT: 9.270 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VW029750.D  
Acq: 26 Jul 2024 14:39

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ClientSampleId :

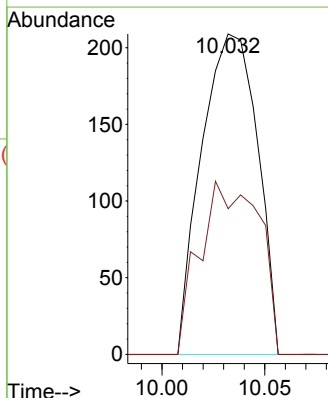
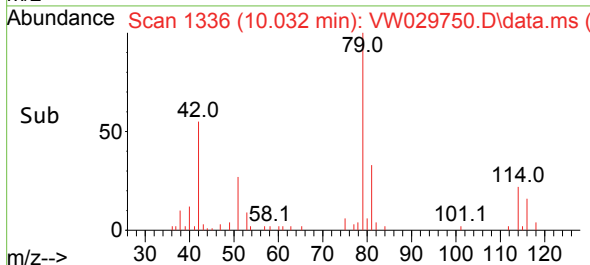
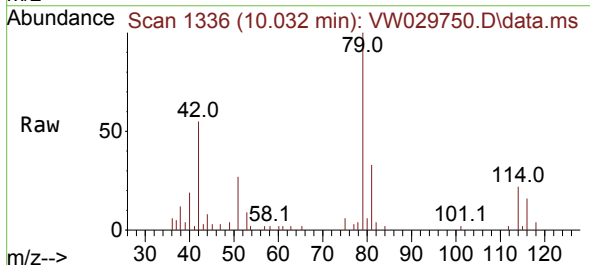


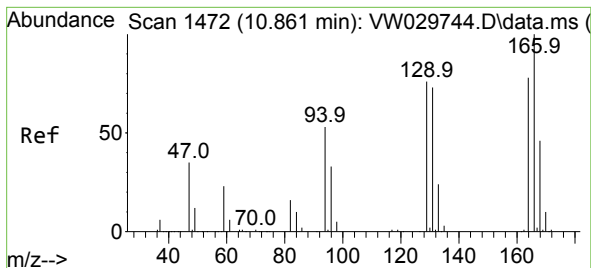
Tgt Ion: 83 Resp: 3191  
Ion Ratio Lower Upper  
83 100  
55 1.3 67.4 101.2#  
98 1.5 36.7 55.1#



#39  
cis-1,3-Dichloropropene  
Concen: 0.704 ug/L  
RT: 10.032 min Scan# 1336  
Delta R.T. -0.036 min  
Lab File: VW029750.D  
Acq: 26 Jul 2024 14:39

Tgt Ion: 75 Resp: 395  
Ion Ratio Lower Upper  
75 100  
77 45.5 20.8 38.6#





#46

Tetrachloroethene

Concen: 1.194 ug/L

RT: 10.861 min Scan# 14

Delta R.T. 0.000 min

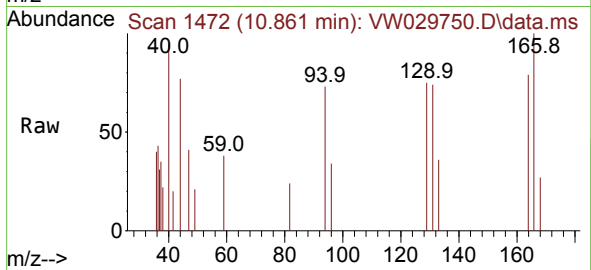
Lab File: VW029750.D

Acq: 26 Jul 2024 14:39

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion:164 Resp: 320

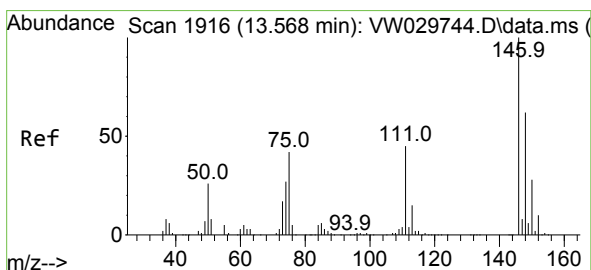
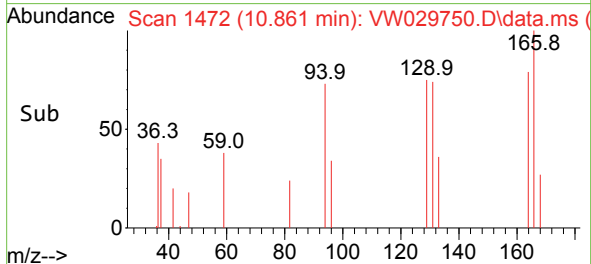
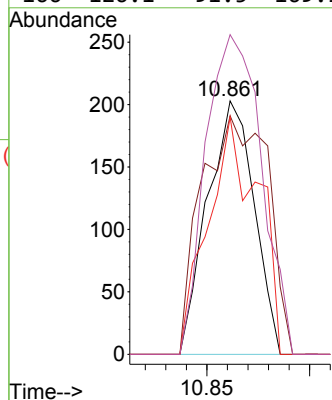
Ion Ratio Lower Upper

164 100

129 94.1 77.8 144.6

131 93.6 70.9 131.7

166 126.1 91.5 169.9



#65

1,4-Dichlorobenzene

Concen: 0.509 ug/L

RT: 13.580 min Scan# 1918

Delta R.T. 0.012 min

Lab File: VW029750.D

Acq: 26 Jul 2024 14:39

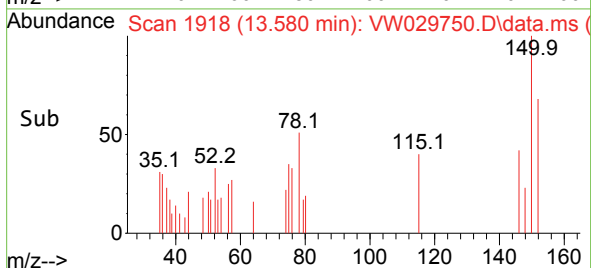
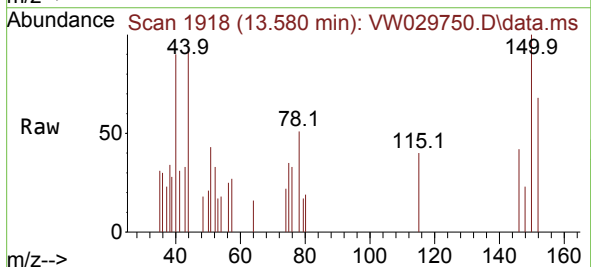
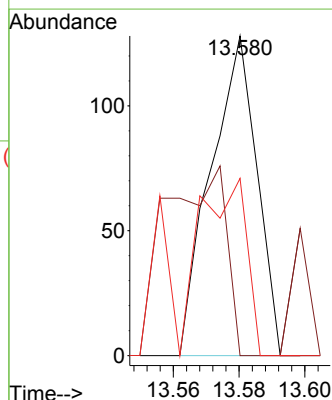
Tgt Ion:146 Resp: 124

Ion Ratio Lower Upper

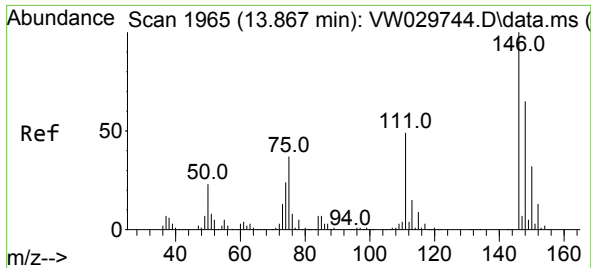
146 100

111 0.0 30.1 55.9#

148 55.5 45.4 84.4



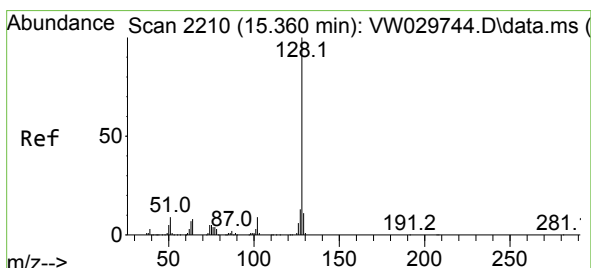
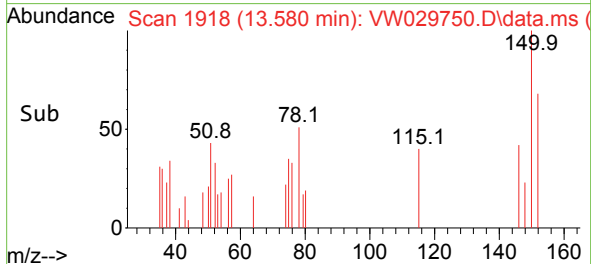
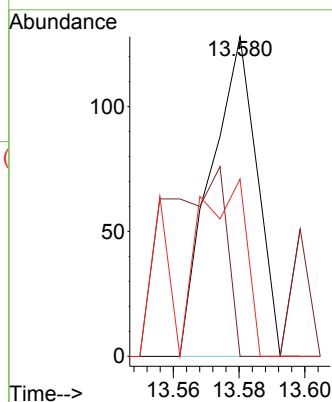
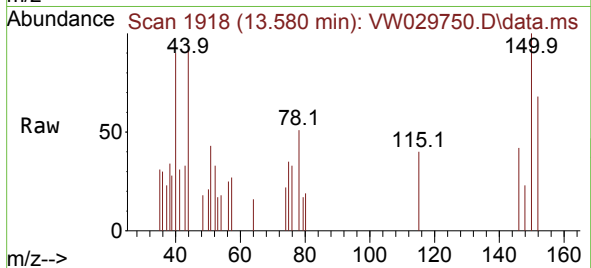




#67  
1,2-Dichlorobenzene  
Concen: 0.574 ug/L  
RT: 13.580 min Scan# 1965  
Delta R.T. -0.286 min  
Lab File: VW029750.D  
Acq: 26 Jul 2024 14:39

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:146 Resp: 124  
Ion Ratio Lower Upper  
146 100  
111 0.0 35.8 53.8#  
148 55.5 52.6 78.8



#71  
Naphthalene  
Concen: 0.617 ug/L  
RT: 15.360 min Scan# 2210  
Delta R.T. 0.000 min  
Lab File: VW029750.D  
Acq: 26 Jul 2024 14:39

Tgt Ion:128 Resp: 161  
Ion Ratio Lower Upper  
128 100  
127 0.0 10.7 16.1#  
129 0.0 8.9 13.3#

