

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112024\  
 Data File : VV038209.D  
 Acq On : 20 Nov 2024 12:43  
 Operator : SY/MD  
 Sample : P4882-13DL 10X  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 21 01:47:42 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 21 01:41:56 2024  
 Response via : Initial Calibration

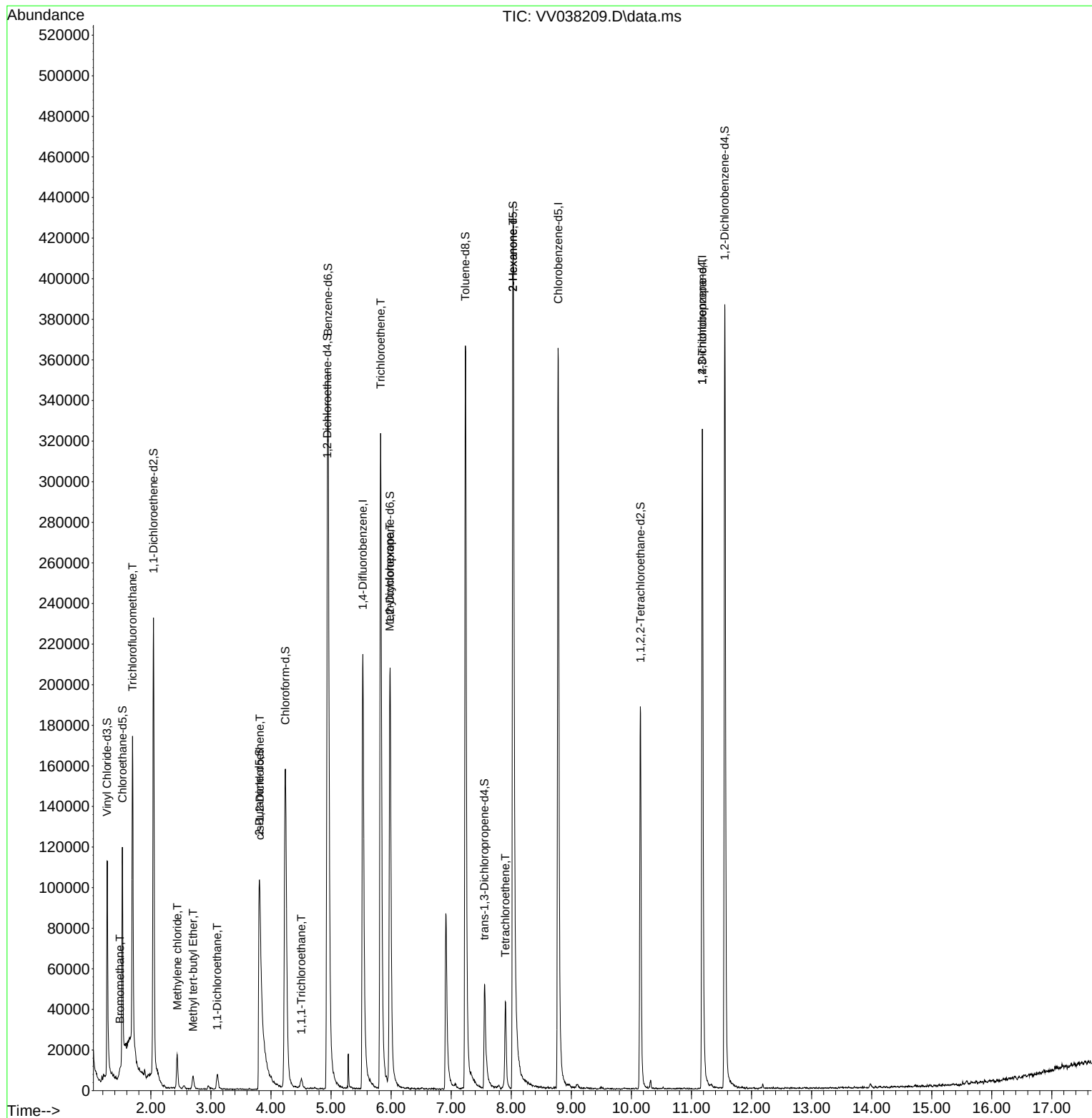
| Compound                      | R.T. QIon |       | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------------|----------|
| -----                         |           |       |          |          |             |          |
| Internal Standards            |           |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 5.529     | 114   | 206344   | 5.000    | ug/L        | 0.00     |
| 28) Chlorobenzene-d5          | 8.780     | 117   | 226899   | 5.000    | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181    | 152   | 95022    | 5.000    | ug/L        | 0.00     |
| System Monitoring Compounds   |           |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 1.272     | 65    | 81238    | 5.137    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 40 - 130 | Recovery | = 102.800%  |          |
| 7) Chloroethane-d5            | 1.526     | 69    | 71066    | 5.555    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 130 | Recovery | = 111.000%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.044     | 65    | 36246    | 5.325    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 125 | Recovery | = 106.600%  |          |
| 20) 2-Butanone-d5             | 3.806     | 46    | 222449   | 70.308   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 40 - 130 | Recovery | = 140.620%# |          |
| 24) Chloroform-d              | 4.240     | 84    | 184457   | 6.009    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 120.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 4.937     | 65    | 94164    | 6.837    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 136.800%# |          |
| 32) Benzene-d6                | 4.950     | 84    | 327544   | 5.585    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 125 | Recovery | = 111.800%  |          |
| 36) 1,2-Dichloropropane-d6    | 5.982     | 67    | 109424   | 6.064    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 60 - 140 | Recovery | = 121.200%  |          |
| 41) Toluene-d8                | 7.236     | 98    | 276038   | 5.087    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 70 - 130 | Recovery | = 101.800%  |          |
| 43) trans-1,3-Dichloroprop... | 7.555     | 79    | 39020    | 5.816    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 55 - 130 | Recovery | = 116.400%  |          |
| 46) 2-Hexanone-d5             | 8.030     | 63    | 188382   | 72.234   | ug/L        | 0.00     |
| Spiked Amount                 | 50.000    | Range | 45 - 130 | Recovery | = 144.460%# |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149    | 84    | 96787    | 6.318    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 65 - 120 | Recovery | = 126.400%# |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.554    | 152   | 109641   | 6.772    | ug/L        | 0.00     |
| Spiked Amount                 | 5.000     | Range | 80 - 120 | Recovery | = 135.400%# |          |
| Target Compounds              |           |       |          |          |             |          |
|                               |           |       |          |          | Qvalue      |          |
| 6) Bromomethane               | 1.484     | 94    | 1207     | 0.163    | ug/L        | 80       |
| 9) Trichlorofluoromethane     | 1.696     | 101   | 87007    | 3.210    | ug/L        | 99       |
| 16) Methylene chloride        | 2.439     | 84    | 7618     | 0.453    | ug/L        | 91       |
| 17) Methyl tert-butyl Ether   | 2.703     | 73    | 5582     | 0.168    | ug/L #      | 93       |
| 19) 1,1-Dichloroethane        | 3.105     | 63    | 8462     | 0.300    | ug/L        | 93       |
| 22) cis-1,2-Dichloroethene    | 3.812     | 96    | 12513    | 0.779    | ug/L        | 92       |
| 29) 1,1,1-Trichloroethane     | 4.506     | 97    | 4011     | 0.147    | ug/L        | 97       |
| 34) Trichloroethene           | 5.825     | 95    | 123402   | 7.103    | ug/L        | 99       |
| 35) Methylcyclohexane         | 5.979     | 83    | 28864    | 1.174    | ug/L #      | 20       |
| 47) Tetrachloroethene         | 7.902     | 164   | 11217    | 0.803    | ug/L        | 95       |
| 48) 2-Hexanone                | 8.030     | 43    | 20905    | 3.450    | ug/L #      | 64       |
| 61) 1,2,3-Trichloropropane    | 11.181    | 75    | 10764    | 1.323    | ug/L #      | 63       |
| -----                         |           |       |          |          |             |          |

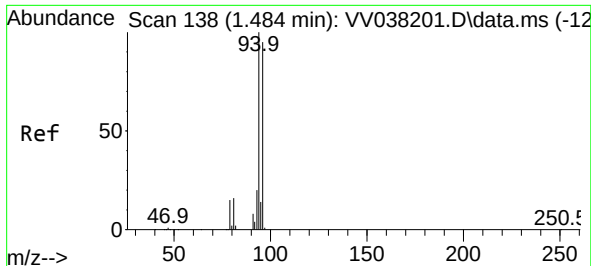
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112024\  
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Operator : SY/MD  
Sample : P4882-13DL 10X  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 21 01:47:42 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 21 01:41:56 2024  
Response via : Initial Calibration

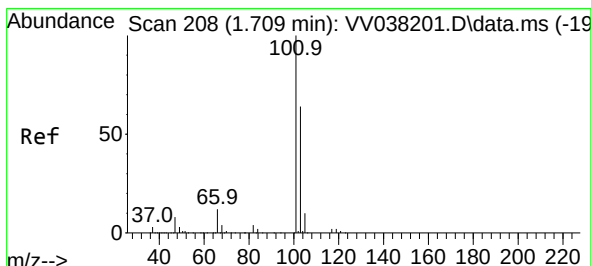
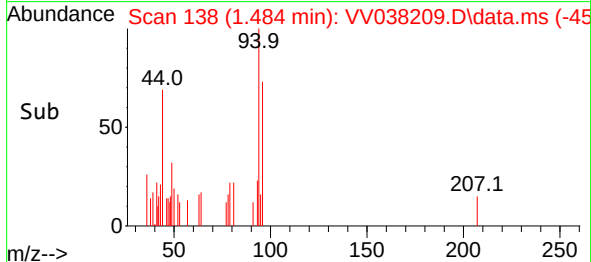
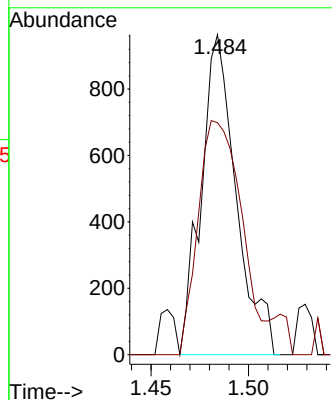
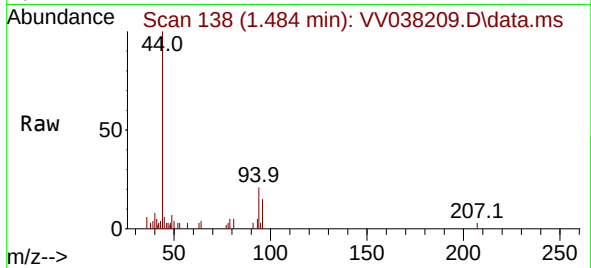




#6  
Bromomethane  
Concen: 0.163 ug/L  
RT: 1.484 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV038209.D  
Acq: 20 Nov 2024 12:43

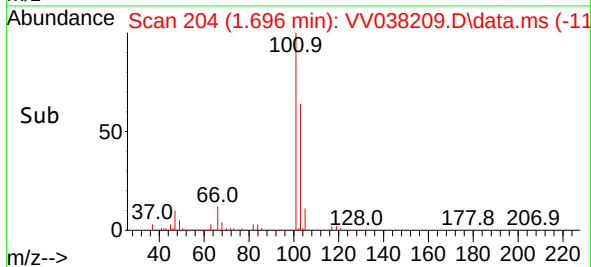
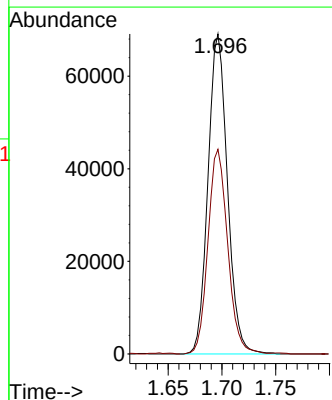
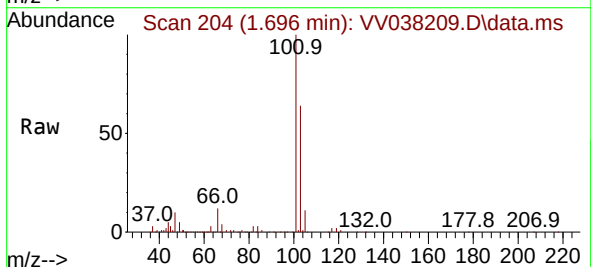
Instrument :  
MSVOA\_V  
ClientSampleId :

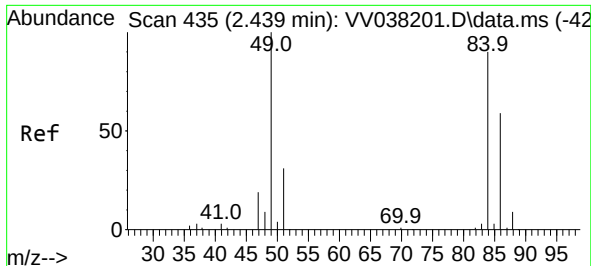
Tgt Ion: 94 Resp: 1207  
Ion Ratio Lower Upper  
94 100  
96 72.5 63.7 118.3



#9  
Trichlorofluoromethane  
Concen: 3.210 ug/L  
RT: 1.696 min Scan# 204  
Delta R.T. -0.013 min  
Lab File: VV038209.D  
Acq: 20 Nov 2024 12:43

Tgt Ion:101 Resp: 87007  
Ion Ratio Lower Upper  
101 100  
103 64.9 51.5 77.3



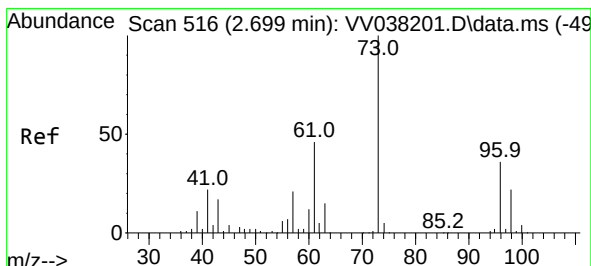
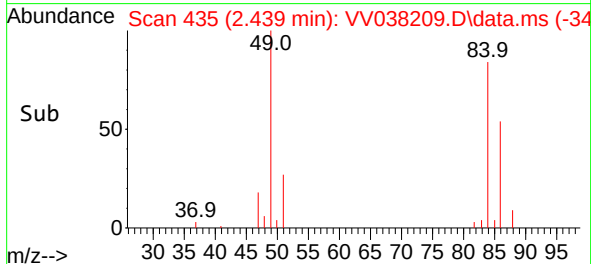
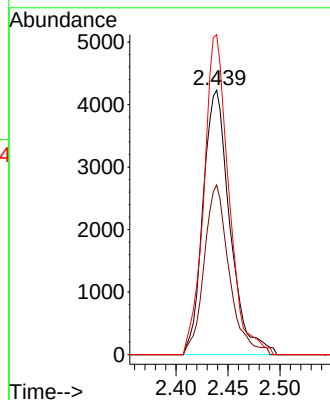
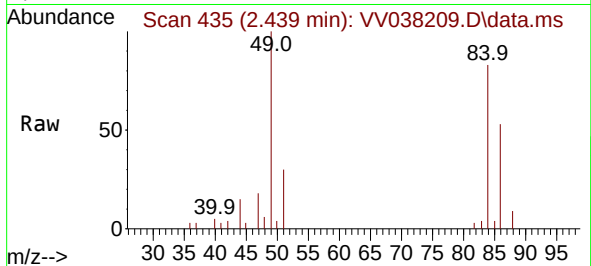


#16  
Methylene chloride  
Concen: 0.453 ug/L  
RT: 2.439 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV038209.D  
Acq: 20 Nov 2024 12:43

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 84 Resp: 7618

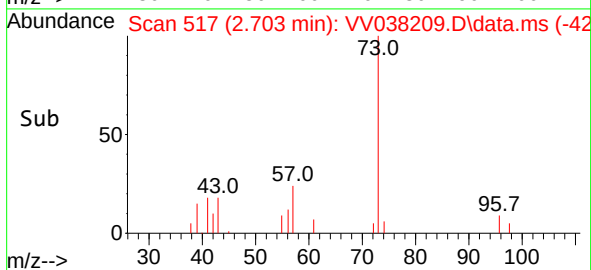
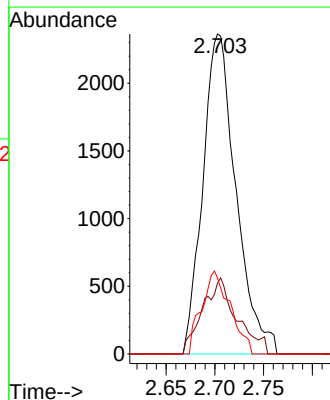
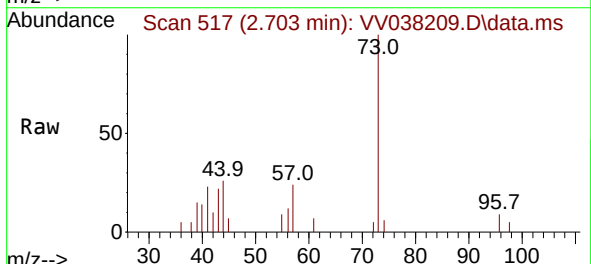
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 64.2  | 44.2  | 82.2  |
| 49  | 121.0 | 74.9  | 139.1 |

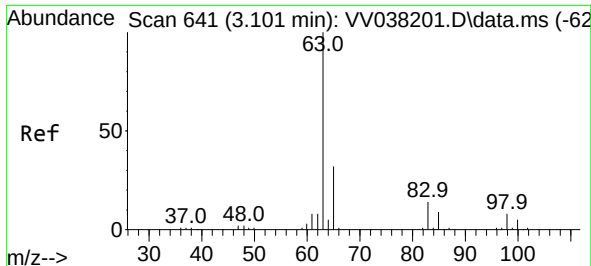


#17  
Methyl tert-butyl Ether  
Concen: 0.168 ug/L  
RT: 2.703 min Scan# 517  
Delta R.T. 0.003 min  
Lab File: VV038209.D  
Acq: 20 Nov 2024 12:43

Tgt Ion: 73 Resp: 5582

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 73  | 100   |       |       |
| 43  | 24.6  | 14.2  | 21.2# |
| 57  | 22.4  | 17.6  | 26.4  |





#19

1,1-Dichloroethane

Concen: 0.300 ug/L

RT: 3.105 min Scan# 641

Delta R.T. 0.003 min

Lab File: VV038209.D

Acq: 20 Nov 2024 12:43

Instrument :

MSVOA\_V

ClientSampleId :

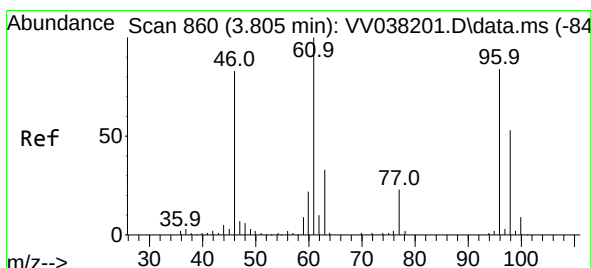
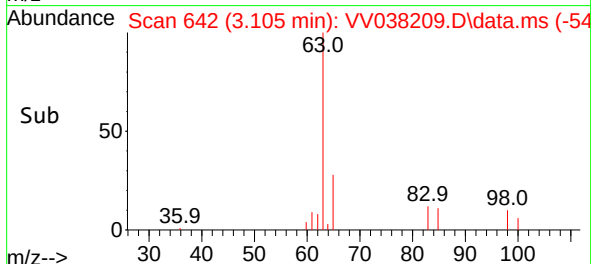
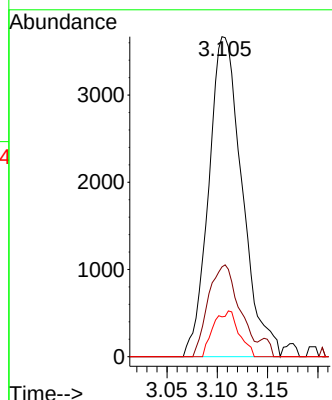
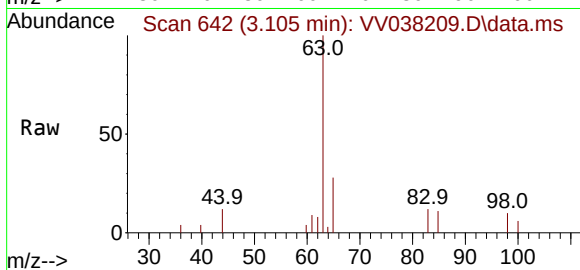
Tgt Ion: 63 Resp: 8462

Ion Ratio Lower Upper

63 100

65 28.1 22.5 41.7

83 12.5 10.1 18.9



#22

cis-1,2-Dichloroethene

Concen: 0.779 ug/L

RT: 3.812 min Scan# 862

Delta R.T. 0.006 min

Lab File: VV038209.D

Acq: 20 Nov 2024 12:43

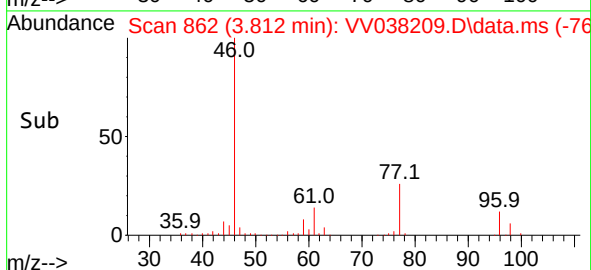
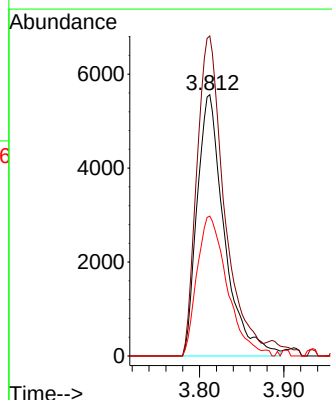
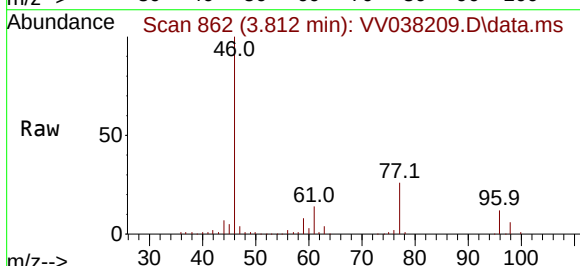
Tgt Ion: 96 Resp: 12513

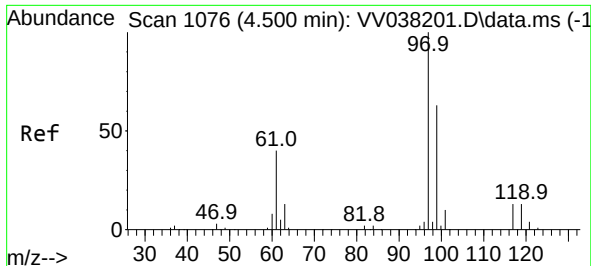
Ion Ratio Lower Upper

96 100

61 122.4 82.7 153.5

98 53.5 46.3 85.9





#29

1,1,1-Trichloroethane

Concen: 0.147 ug/L

RT: 4.506 min Scan# 1076

Delta R.T. 0.006 min

Lab File: VV038209.D

Acq: 20 Nov 2024 12:43

Instrument :

MSVOA\_V

ClientSampleId :

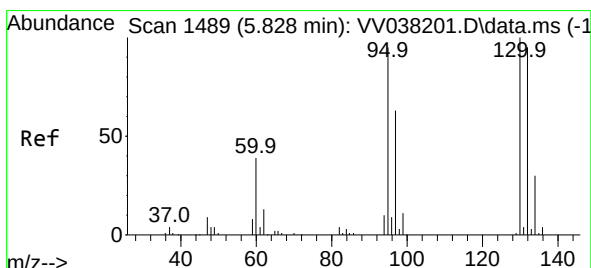
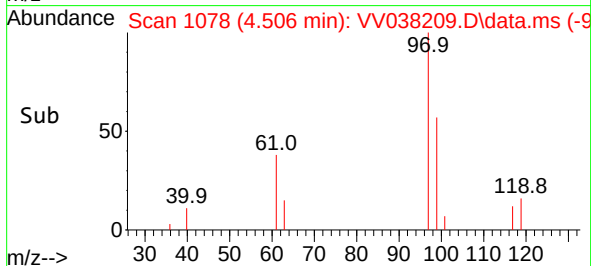
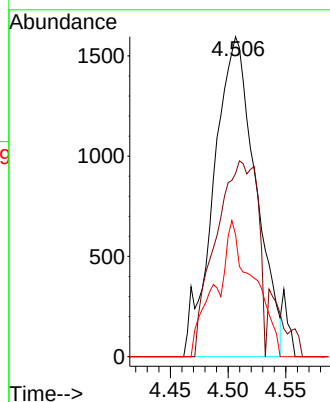
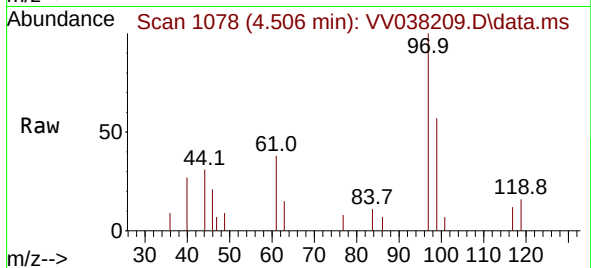
Tgt Ion: 97 Resp: 4011

Ion Ratio Lower Upper

97 100

99 61.7 51.8 77.8

61 38.7 32.2 48.2



#34

Trichloroethene

Concen: 7.103 ug/L

RT: 5.825 min Scan# 1488

Delta R.T. -0.003 min

Lab File: VV038209.D

Acq: 20 Nov 2024 12:43

Tgt Ion: 95 Resp: 123402

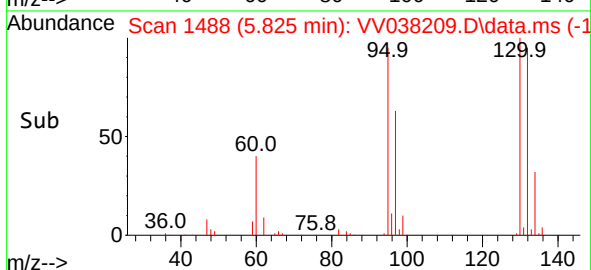
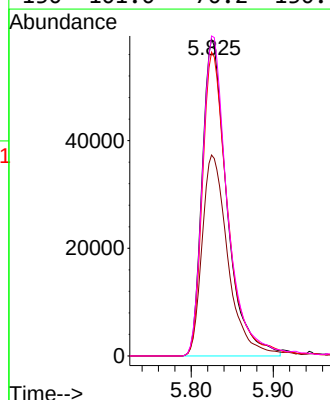
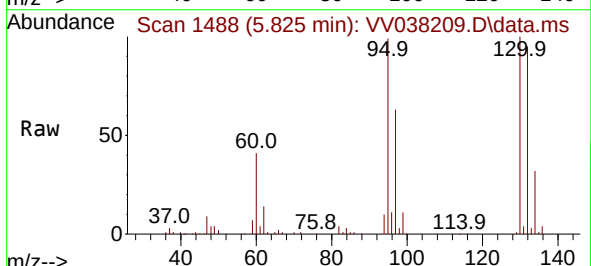
Ion Ratio Lower Upper

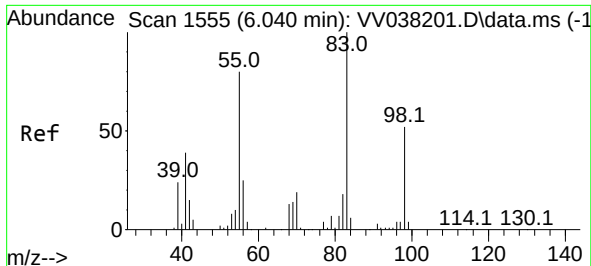
95 100

97 63.5 44.8 83.2

132 95.9 68.3 126.8

130 101.0 70.2 130.4

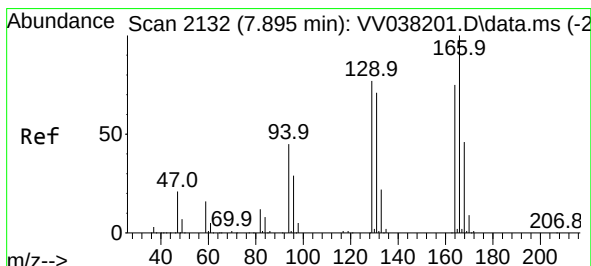
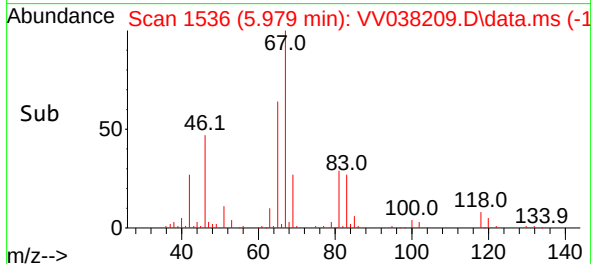
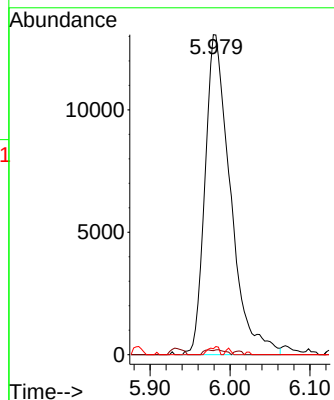
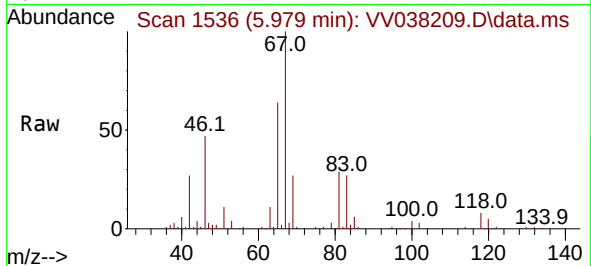




#35  
Methylcyclohexane  
Concen: 1.174 ug/L  
RT: 5.979 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VV038209.D  
Acq: 20 Nov 2024 12:43

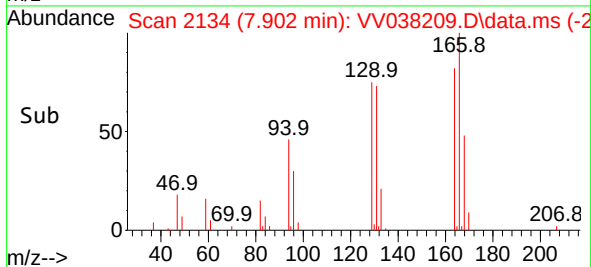
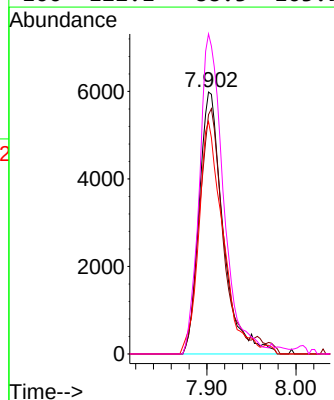
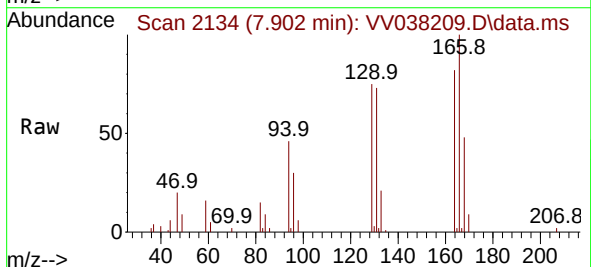
Instrument :  
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ClientSampleId :

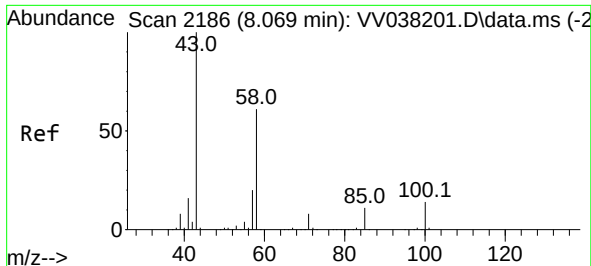
Tgt Ion: 83 Resp: 28864  
Ion Ratio Lower Upper  
83 100  
55 0.6 59.7 89.5#  
98 1.0 39.0 58.4#



#47  
Tetrachloroethene  
Concen: 0.803 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. 0.006 min  
Lab File: VV038209.D  
Acq: 20 Nov 2024 12:43

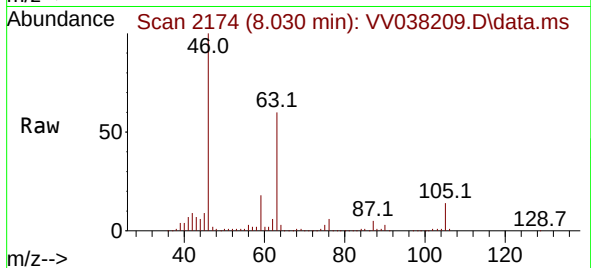
Tgt Ion: 164 Resp: 11217  
Ion Ratio Lower Upper  
164 100  
129 91.4 68.5 127.1  
131 88.8 64.8 120.4  
166 122.1 88.3 163.9



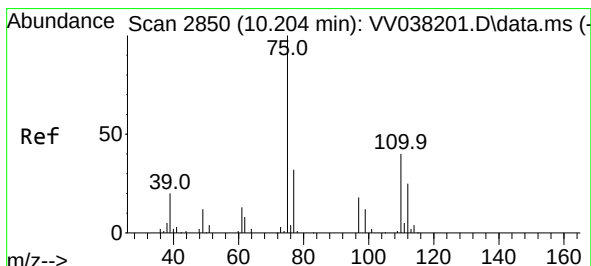
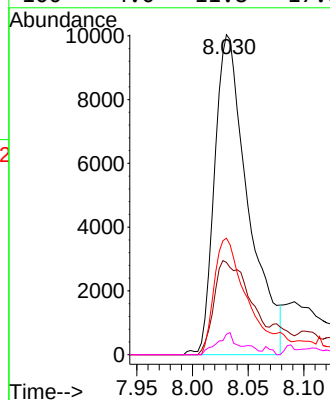
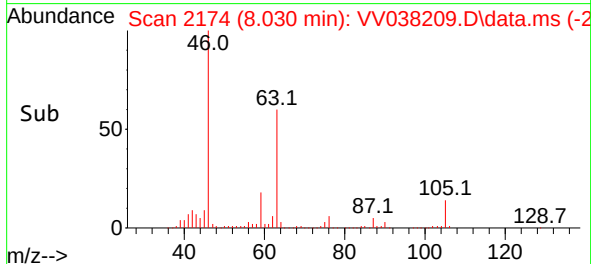


#48  
2-Hexanone  
Concen: 3.450 ug/L  
RT: 8.030 min Scan# 2186  
Delta R.T. -0.039 min  
Lab File: VV038209.D  
Acq: 20 Nov 2024 12:43

Instrument :  
MSVOA\_V  
ClientSampleId :



|             |                 |
|-------------|-----------------|
| Tgt Ion: 43 | Resp: 20905     |
| Ion Ratio   | Lower Upper     |
| 43          | 100             |
| 58          | 32.4 49.2 73.8# |
| 57          | 37.7 16.9 25.3# |
| 100         | 4.0 11.8 17.8#  |



#61  
1,2,3-Trichloropropane  
Concen: 1.323 ug/L  
RT: 11.181 min Scan# 3154  
Delta R.T. 0.977 min  
Lab File: VV038209.D  
Acq: 20 Nov 2024 12:43

|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 10764    |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 77          | 37.9 26.4 39.6 |
| 110         | 2.5 32.3 48.5# |

