

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VW112224\  
 Data File : VW038271.D  
 Acq On : 22 Nov 2024 15:30  
 Operator : SY/MD  
 Sample : P4884-12  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 23 00:02:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Nov 22 23:57:44 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 227253   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 250055   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 100881   | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 63853    | 3.666    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 73.400%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 64655    | 4.589    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 91.800%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 30046    | 4.008    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 80.200%  |
| 20) 2-Butanone-d5             | 3.780  | 46    | 188852   | 54.198   | ug/L   | -0.01    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 108.400% |
| 24) Chloroform-d              | 4.243  | 84    | 156075   | 4.617    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.400%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 78733    | 5.191    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.800% |
| 32) Benzene-d6                | 4.953  | 84    | 265223   | 4.104    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 82.000%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 97568    | 4.906    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 98.200%  |
| 41) Toluene-d8                | 7.236  | 98    | 203233   | 3.399    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 68.000%# |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 24137    | 3.265    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 65.200%  |
| 46) 2-Hexanone-d5             | 8.018  | 63    | 141019   | 49.066   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 98.140%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 84568    | 5.009    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 100.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 84189    | 4.898    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 98.000%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85    | 3911     | 0.182    | ug/L   | 99       |
| 13) Acetone                   | 1.844  | 43    | 1325383  | 514.287  | ug/L   | 41       |
| 16) Methylene chloride        | 2.442  | 84    | 28031    | 1.514    | ug/L   | 89       |
| 17) Methyl tert-butyl Ether   | 2.706  | 73    | 10178    | 0.277    | ug/L # | 93       |
| 22) cis-1,2-Dichloroethene    | 3.809  | 96    | 15350    | 0.868    | ug/L   | 93       |
| 27) 1,2-Dichloroethane        | 5.059  | 62    | 4194     | 0.232    | ug/L # | 91       |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97    | 29913    | 0.997    | ug/L   | 99       |
| 31) Carbon tetrachloride      | 4.510  | 117   | 3854     | 0.146    | ug/L   | 95       |
| 34) Trichloroethene           | 5.825  | 95    | 222613   | 11.626   | ug/L   | 99       |
| 35) Methylcyclohexane         | 5.979  | 83    | 22753    | 0.840    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 5.982  | 63    | 10026    | 0.570    | ug/L # | 87       |
| 42) Toluene                   | 7.326  | 91    | 16901    | 0.227    | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.895  | 164   | 210863   | 13.705   | ug/L   | 99       |
| 49) Dibromochloromethane      | 7.895  | 129   | 193299   | 12.426   | ug/L # | 11       |
| 51) Chlorobenzene             | 8.812  | 112   | 10034    | 0.196    | ug/L   | 91       |
| 61) 1,2,3-Trichloropropane    | 11.175 | 75    | 11575    | 1.340    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

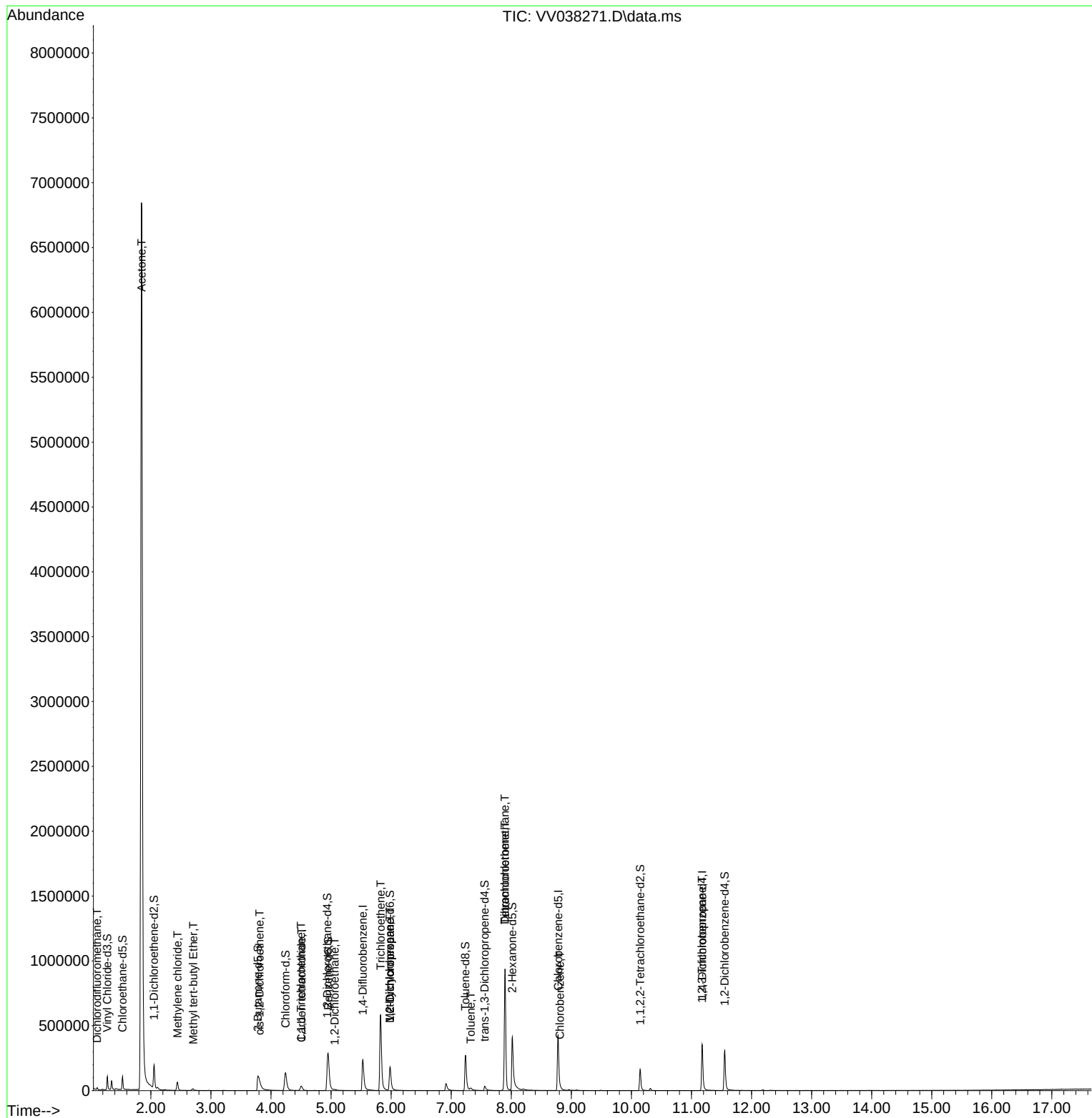
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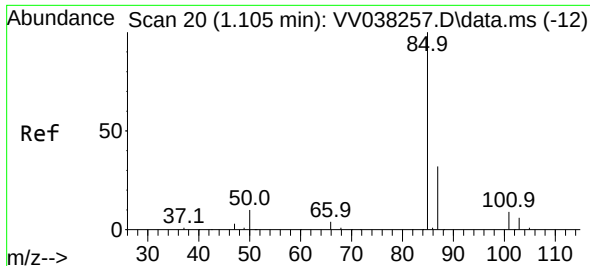
Instrument :  
MSVOA\_V  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112224\  
Data File : VV038271.D  
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Quant Time: Nov 23 00:02:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Nov 22 23:57:44 2024  
Response via : Initial Calibration

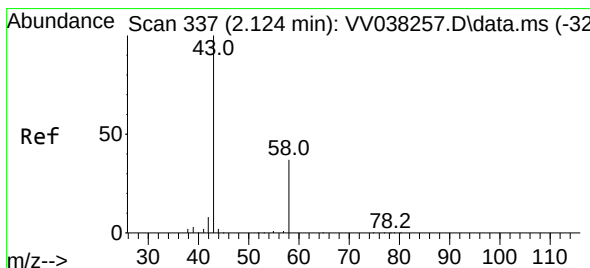
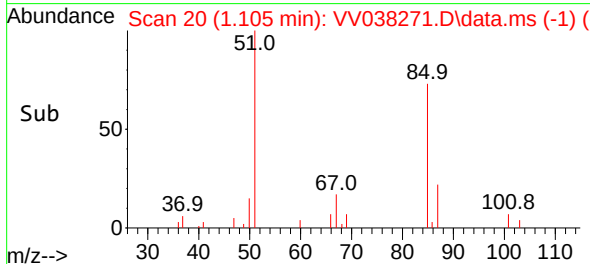
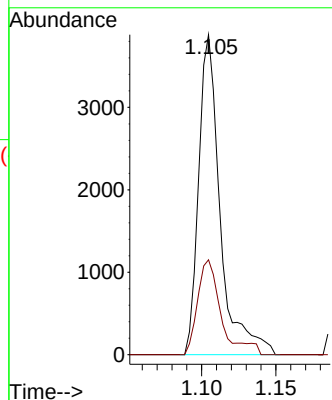
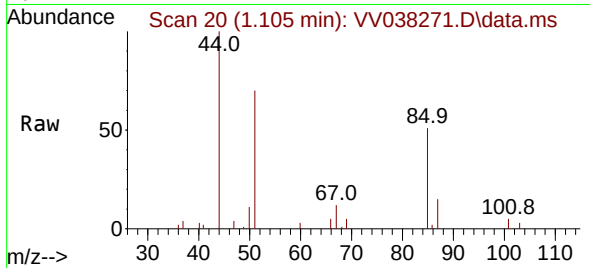




#2  
Dichlorodifluoromethane  
Concen: 0.182 ug/L  
RT: 1.105 min Scan# 20  
Delta R.T. -0.000 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

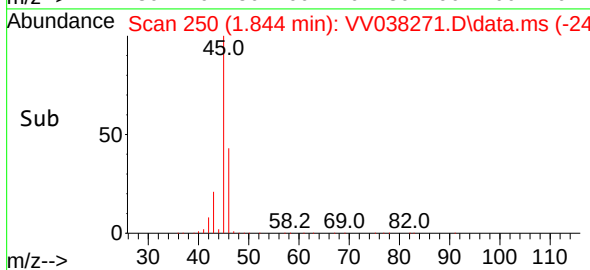
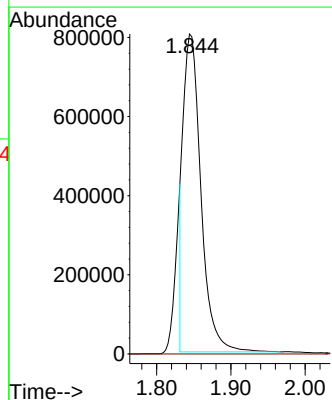
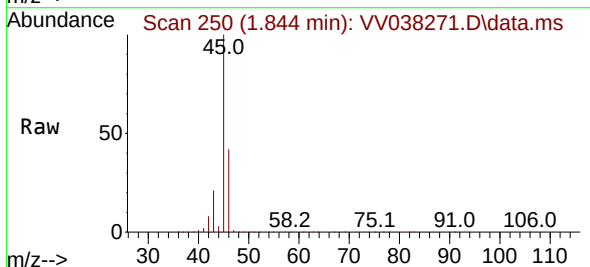
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MSVOA\_V  
ClientSampleId :

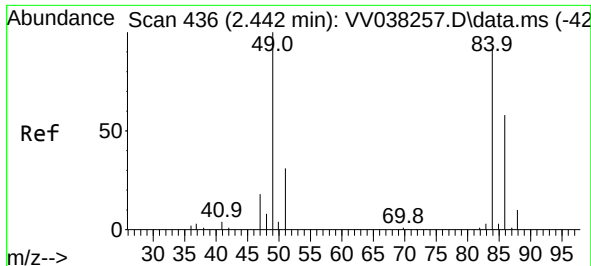
Tgt Ion: 85 Resp: 3911  
Ion Ratio Lower Upper  
85 100  
87 32.3 26.5 39.7



#13  
Acetone  
Concen: 514.287 ug/L  
RT: 1.844 min Scan# 250  
Delta R.T. -0.280 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

Tgt Ion: 43 Resp: 1325383  
Ion Ratio Lower Upper  
43 100  
58 0.0 0.0 67.2

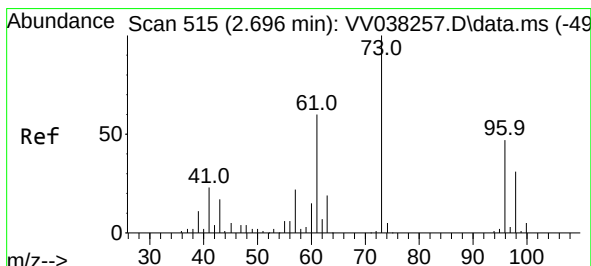
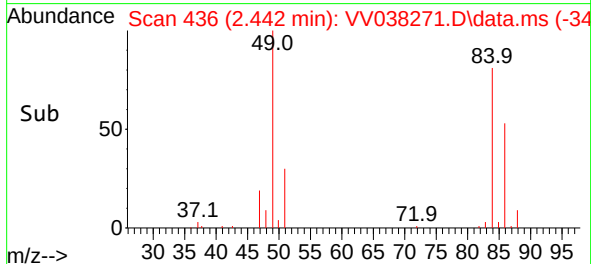
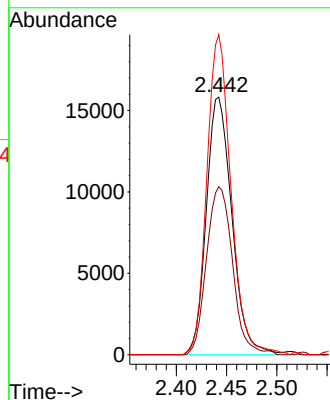
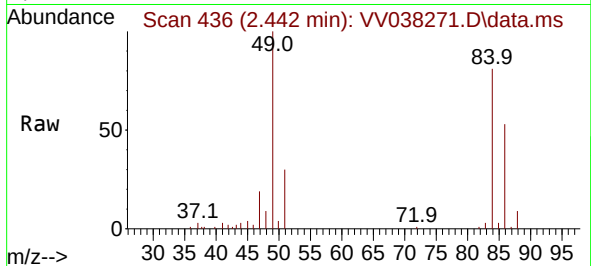




#16  
Methylene chloride  
Concen: 1.514 ug/L  
RT: 2.442 min Scan# 41  
Delta R.T. -0.000 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

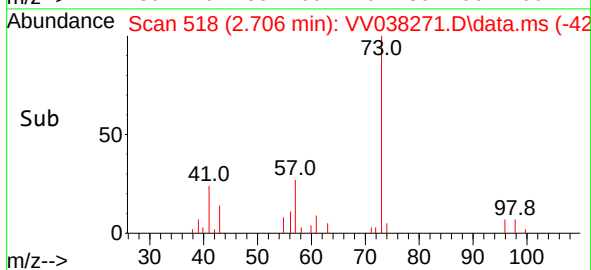
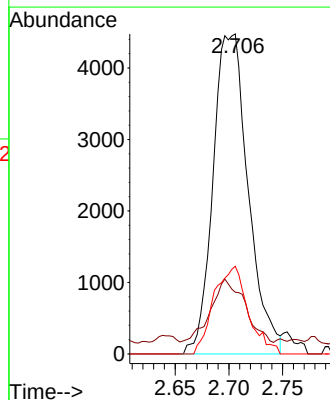
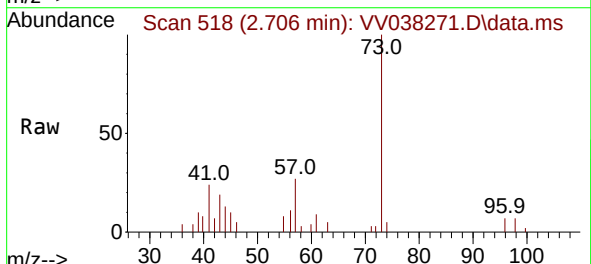
Instrument :  
MSVOA\_V  
ClientSampleId :

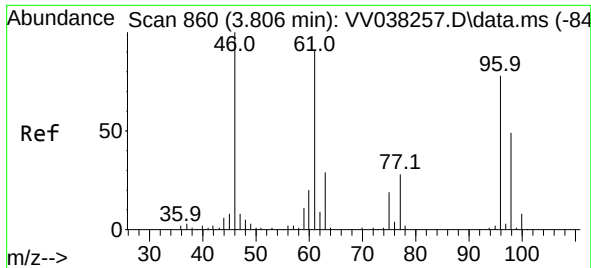
Tgt Ion: 84 Resp: 28031  
Ion Ratio Lower Upper  
84 100  
86 65.2 44.2 82.2  
49 124.2 74.9 139.1



#17  
Methyl tert-butyl Ether  
Concen: 0.277 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. 0.010 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

Tgt Ion: 73 Resp: 10178  
Ion Ratio Lower Upper  
73 100  
43 19.0 14.2 21.2  
57 26.8 17.6 26.4#

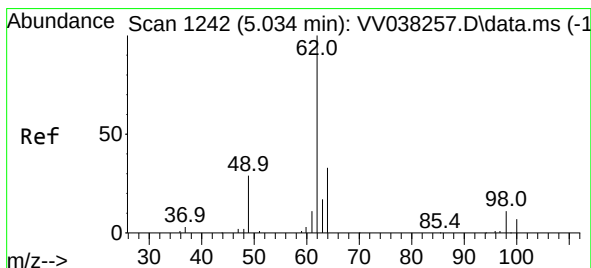
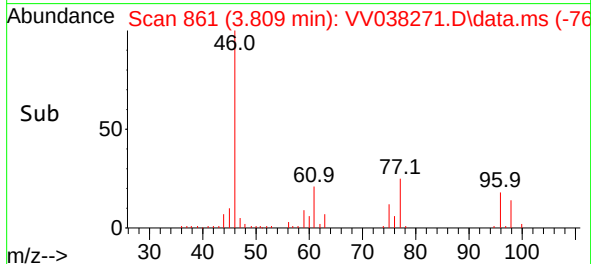
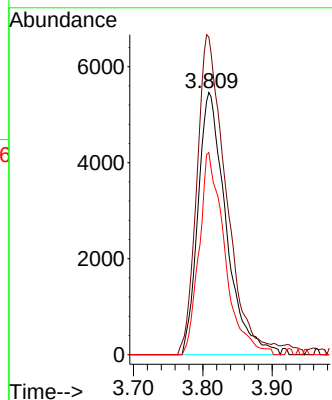
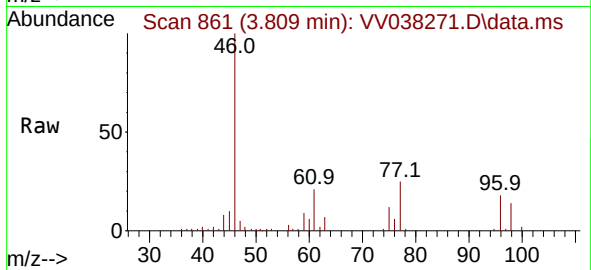




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.868 ug/L  
 RT: 3.809 min Scan# 861  
 Delta R.T. 0.003 min  
 Lab File: VV038271.D  
 Acq: 22 Nov 2024 15:30

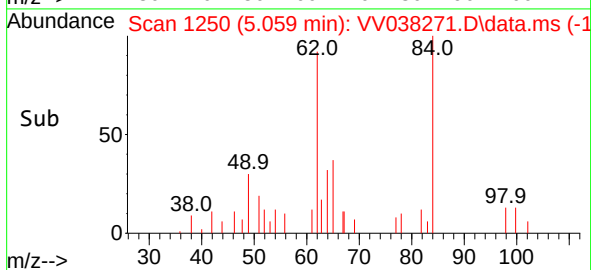
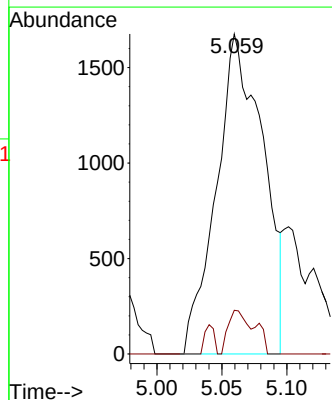
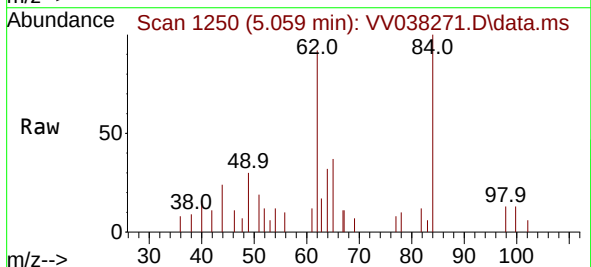
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 MSVOA\_V  
 ClientSampleId :

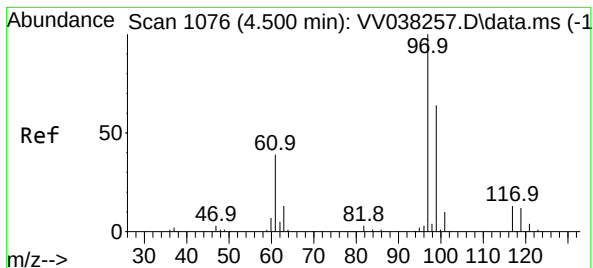
Tgt Ion: 96 Resp: 15350  
 Ion Ratio Lower Upper  
 96 100  
 61 121.1 82.7 153.5  
 98 77.1 46.3 85.9



#27  
 1,2-Dichloroethane  
 Concen: 0.232 ug/L  
 RT: 5.059 min Scan# 1250  
 Delta R.T. 0.026 min  
 Lab File: VV038271.D  
 Acq: 22 Nov 2024 15:30

Tgt Ion: 62 Resp: 4194  
 Ion Ratio Lower Upper  
 62 100  
 98 13.7 8.2 12.4#





#29

1,1,1-Trichloroethane

Concen: 0.997 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.003 min

Lab File: VV038271.D

Acq: 22 Nov 2024 15:30

Instrument :

MSVOA\_V

ClientSampleId :

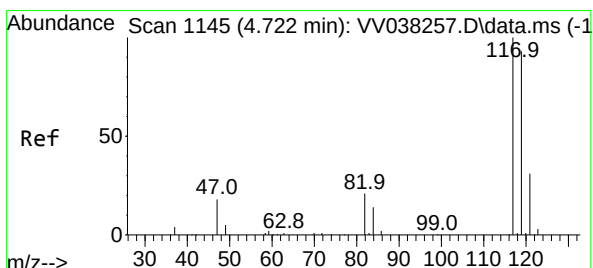
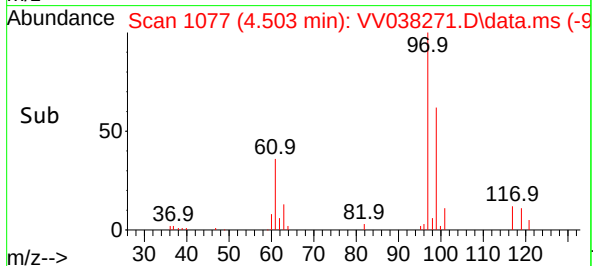
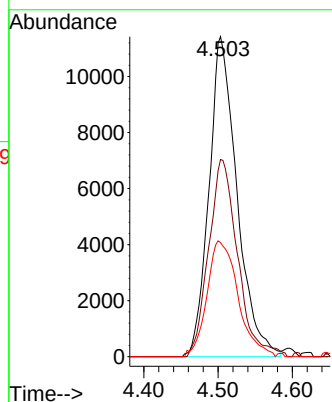
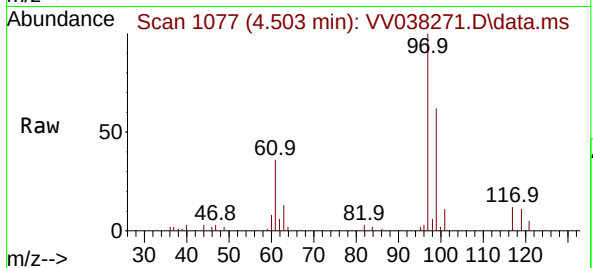
Tgt Ion: 97 Resp: 29913

Ion Ratio Lower Upper

97 100

99 63.7 51.8 77.8

61 40.2 32.2 48.2



#31

Carbon tetrachloride

Concen: 0.146 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. -0.212 min

Lab File: VV038271.D

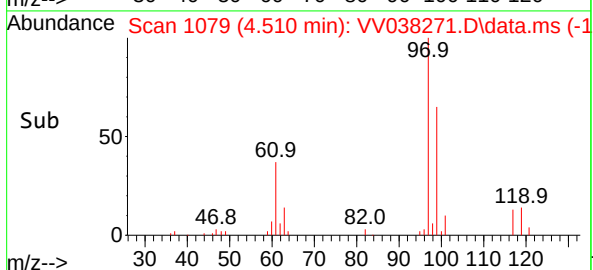
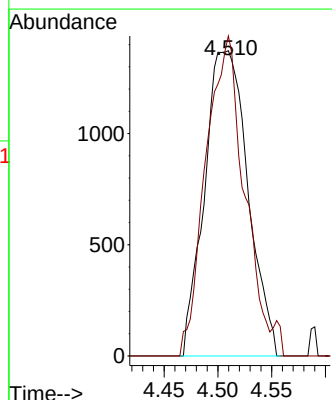
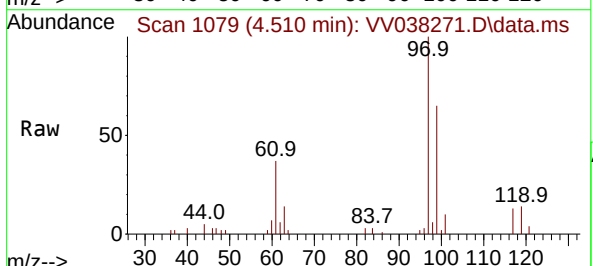
Acq: 22 Nov 2024 15:30

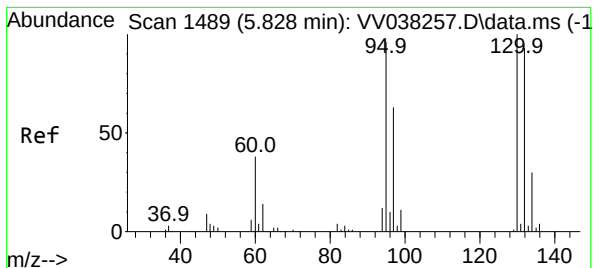
Tgt Ion: 117 Resp: 3854

Ion Ratio Lower Upper

117 100

119 92.3 77.4 116.2





#34

Trichloroethene

Concen: 11.626 ug/L

RT: 5.825 min Scan# 1489

Delta R.T. -0.003 min

Lab File: VV038271.D

Acq: 22 Nov 2024 15:30

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 222613

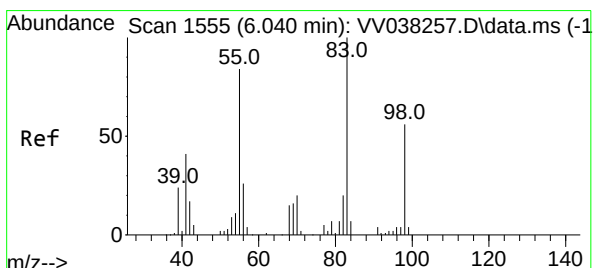
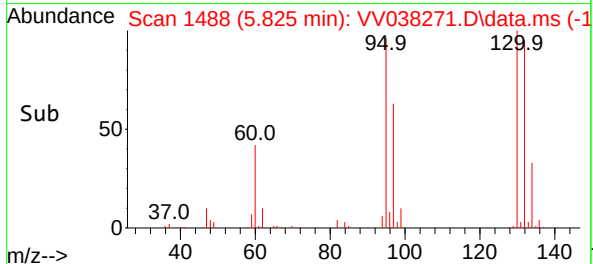
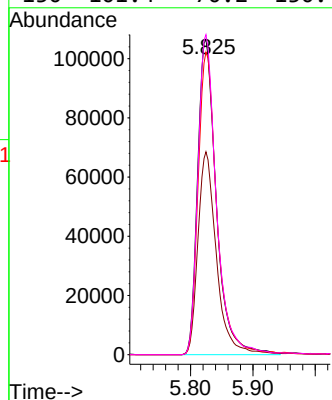
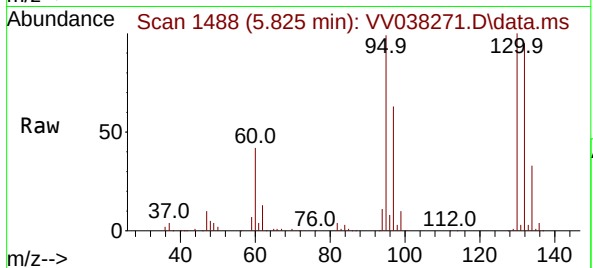
Ion Ratio Lower Upper

95 100

97 64.3 44.8 83.2

132 95.9 68.3 126.8

130 101.4 70.2 130.4



#35

Methylcyclohexane

Concen: 0.840 ug/L

RT: 5.979 min Scan# 1536

Delta R.T. -0.061 min

Lab File: VV038271.D

Acq: 22 Nov 2024 15:30

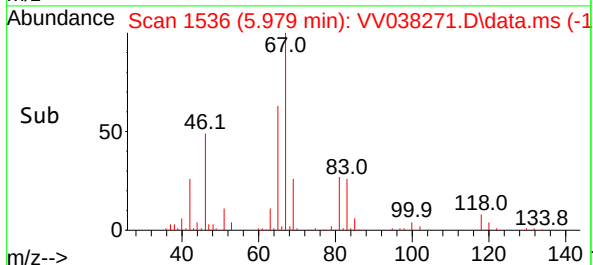
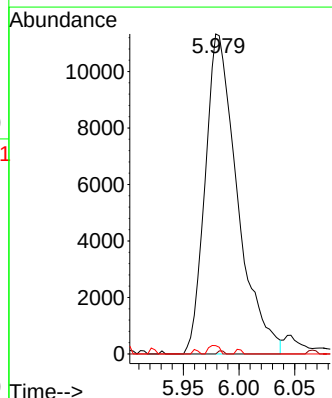
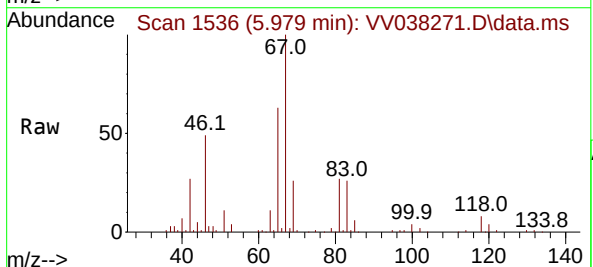
Tgt Ion: 83 Resp: 22753

Ion Ratio Lower Upper

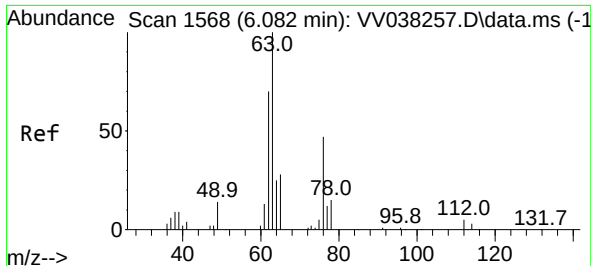
83 100

55 0.2 59.7 89.5#

98 0.9 39.0 58.4#



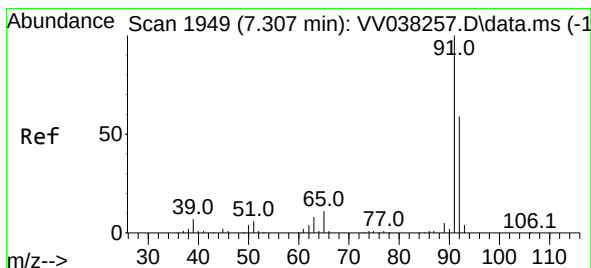
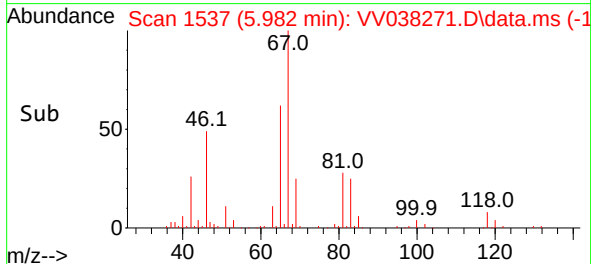
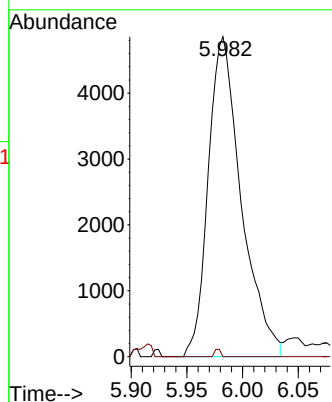
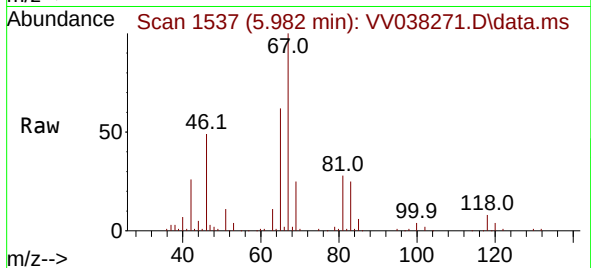




#37  
1,2-Dichloropropane  
Concen: 0.570 ug/L  
RT: 5.982 min Scan# 11  
Delta R.T. -0.100 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

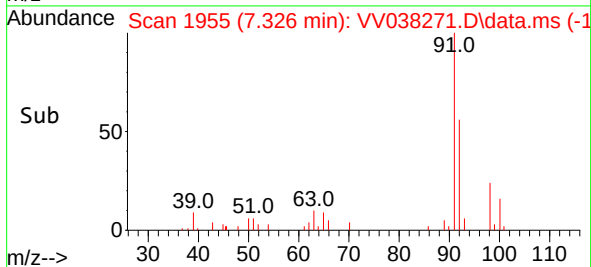
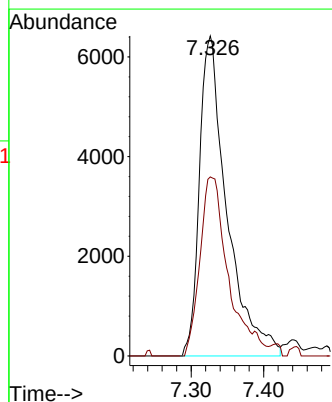
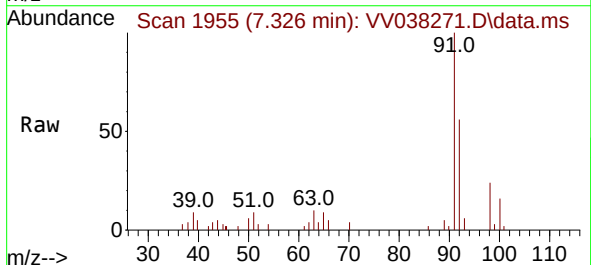
Instrument :  
MSVOA\_V  
ClientSampleId :

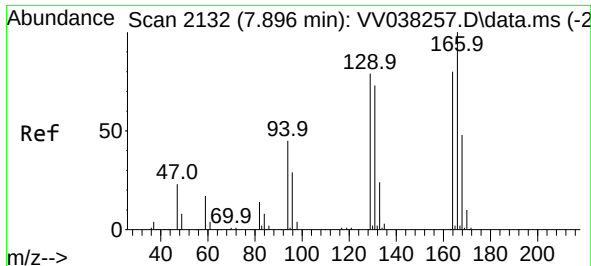
Tgt Ion: 63 Resp: 10026  
Ion Ratio Lower Upper  
63 100  
112 0.4 3.9 5.9#



#42  
Toluene  
Concen: 0.227 ug/L  
RT: 7.326 min Scan# 1955  
Delta R.T. 0.019 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

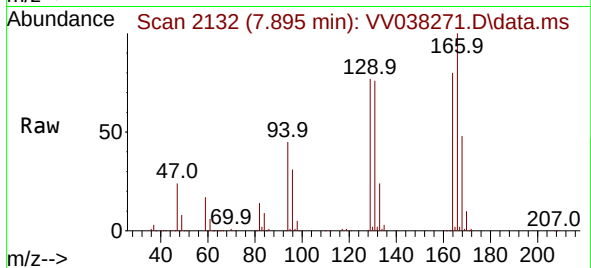
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Ion Ratio Lower Upper  
91 100  
92 55.9 40.8 75.8



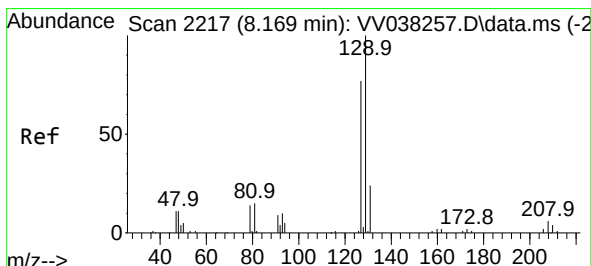
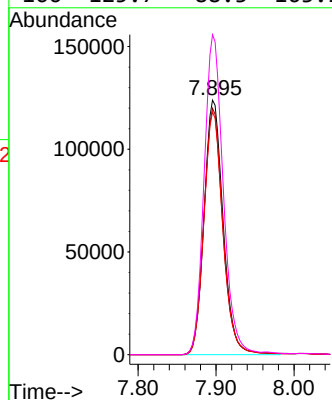
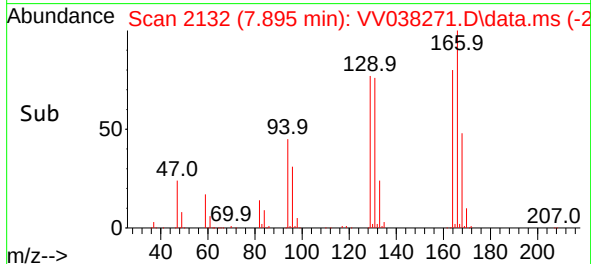


#47  
Tetrachloroethene  
Concen: 13.705 ug/L  
RT: 7.895 min Scan# 2132  
Delta R.T. -0.000 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

Instrument :  
MSVOA\_V  
ClientSampleId :

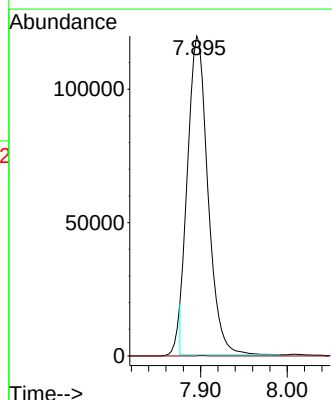
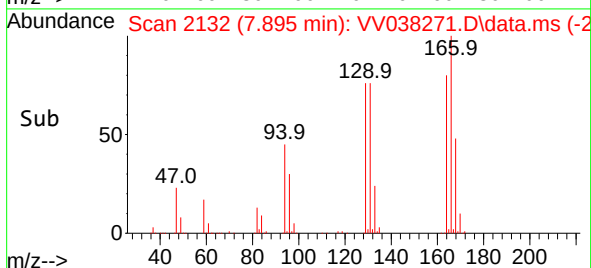
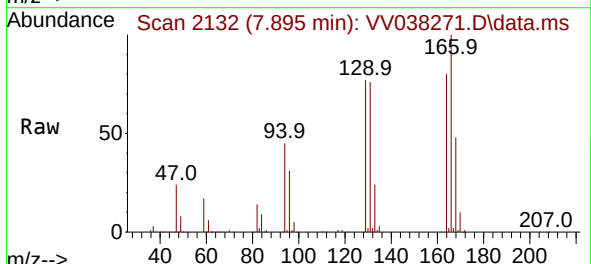


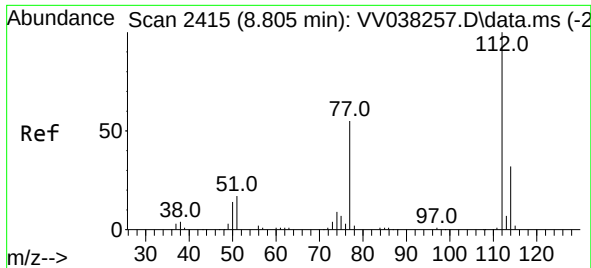
Tgt Ion:164 Resp: 210863  
Ion Ratio Lower Upper  
164 100  
129 96.8 68.5 127.1  
131 95.4 64.8 120.4  
166 125.7 88.3 163.9



#49  
Dibromochloromethane  
Concen: 12.426 ug/L  
RT: 7.895 min Scan# 2132  
Delta R.T. -0.273 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

Tgt Ion:129 Resp: 193299  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.5 99.3#

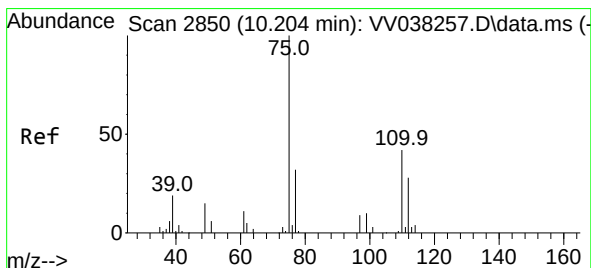
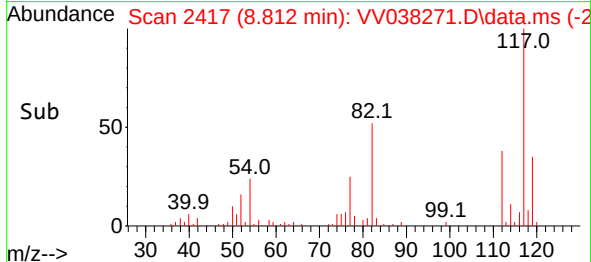
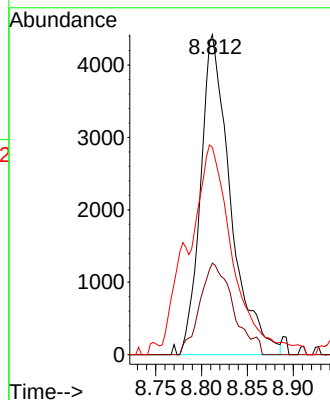
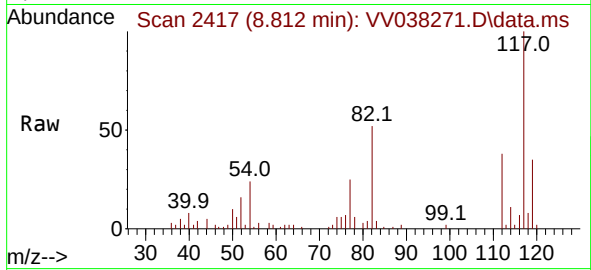




#51  
Chlorobenzene  
Concen: 0.196 ug/L  
RT: 8.812 min Scan# 2415  
Delta R.T. 0.006 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:112 Resp: 10034  
Ion Ratio Lower Upper  
112 100  
114 28.6 22.0 40.8  
77 64.8 45.0 67.4



#61  
1,2,3-Trichloropropane  
Concen: 1.340 ug/L  
RT: 11.175 min Scan# 3152  
Delta R.T. 0.971 min  
Lab File: VV038271.D  
Acq: 22 Nov 2024 15:30

Tgt Ion: 75 Resp: 11575  
Ion Ratio Lower Upper  
75 100  
77 33.2 26.4 39.6  
110 3.4 32.3 48.5#

