

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112524\  
 Data File : VV038350.D  
 Acq On : 25 Nov 2024 18:05  
 Operator : SY/MD  
 Sample : P4930-05  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 26 00:46:47 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 26 00:39:03 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 208835   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 233050   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 93356    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 51010    | 3.187    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 63.800%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 57108    | 4.411    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 88.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 25754    | 3.739    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 74.800%  |
| 20) 2-Butanone-d5             | 3.786  | 46    | 187430   | 58.533   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 117.060% |
| 24) Chloroform-d              | 4.243  | 84    | 153484   | 4.941    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 98.800%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 75756    | 5.435    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 108.600% |
| 32) Benzene-d6                | 4.953  | 84    | 252486   | 4.192    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 83.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 90465    | 4.881    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 97.600%  |
| 41) Toluene-d8                | 7.239  | 98    | 187645   | 3.367    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 67.400%# |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 26059    | 3.782    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 75.600%  |
| 46) 2-Hexanone-d5             | 8.021  | 63    | 135127   | 50.446   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 100.900% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 81142    | 5.157    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 103.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 79635    | 5.007    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 100.200% |
| Target Compounds              |        |       |          |          |        |          |
| 5) Vinyl chloride             | 1.278  | 62    | 6966     | 0.361    | ug/L   | 85       |
| 12) 1,1-Dichloroethene        | 2.063  | 96    | 3199     | 0.214    | ug/L # | 1        |
| 15) Methyl Acetate            | 2.243  | 43    | 18495    | 3.216    | ug/L # | 47       |
| 16) Methylene chloride        | 2.445  | 84    | 6752     | 0.397    | ug/L   | 91       |
| 17) Methyl tert-butyl Ether   | 2.700  | 73    | 6913     | 0.205    | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.105  | 63    | 4664     | 0.164    | ug/L # | 88       |
| 22) cis-1,2-Dichloroethene    | 3.806  | 96    | 34757    | 2.139    | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 4.507  | 97    | 9525     | 0.341    | ug/L   | 96       |
| 34) Trichloroethene           | 5.825  | 95    | 133179   | 7.463    | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 5.982  | 63    | 9989     | 0.609    | ug/L # | 89       |
| 42) Toluene                   | 7.330  | 91    | 7094     | 0.102    | ug/L   | 94       |
| 44) trans-1,3-Dichloropropene | 7.555  | 75    | 1675     | 0.087    | ug/L # | 81       |
| 47) Tetrachloroethene         | 7.902  | 164   | 14295    | 0.997    | ug/L   | 95       |
| 49) Dibromochloromethane      | 7.902  | 129   | 12361    | 0.853    | ug/L # | 11       |
| 53) m,p-Xylene                | 9.085  | 106   | 1393     | 0.050    | ug/L   | 95       |
| 61) 1,2,3-Trichloropropane    | 11.178 | 75    | 11607    | 1.452    | ug/L # | 64       |

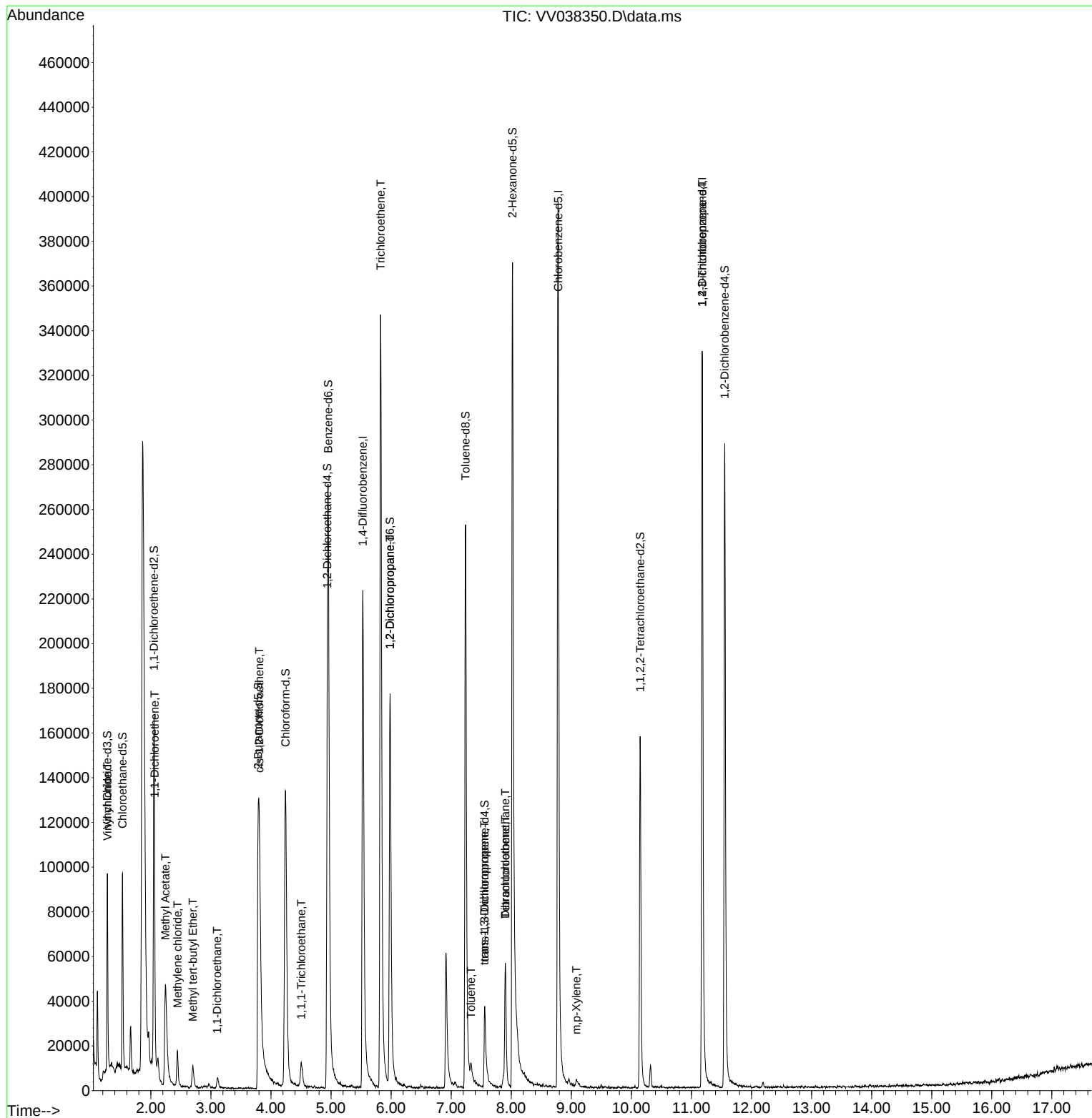
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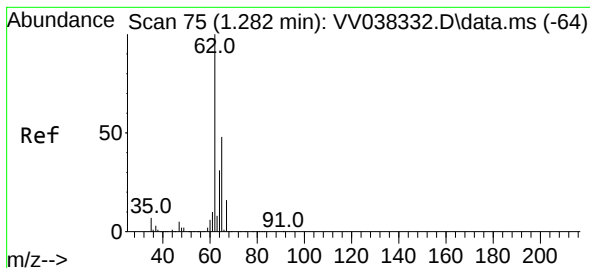
Instrument :  
MSVOA\_V  
ClientSampleId :

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112524\  
Data File : VV038350.D  
Acq On : 25 Nov 2024 18:05  
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Sample : P4930-05  
Misc : 25mL/MSVOA\_V/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :

Quant Time: Nov 26 00:46:47 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Nov 26 00:39:03 2024  
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 0.361 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV038350.D

Acq: 25 Nov 2024 18:05

Instrument :

MSVOA\_V

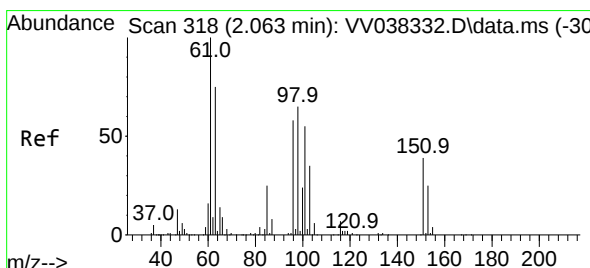
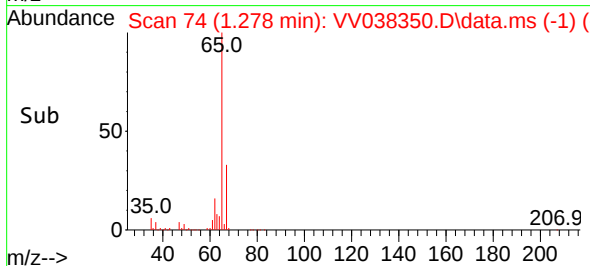
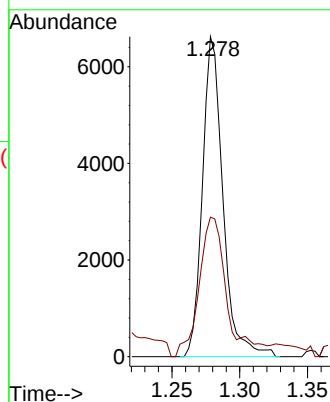
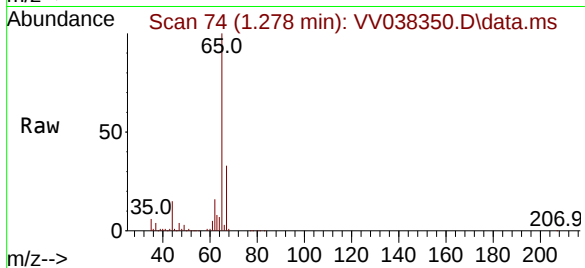
ClientSampleId :

Tgt Ion: 62 Resp: 6966

Ion Ratio Lower Upper

62 100

64 43.6 24.4 45.4



#12

1,1-Dichloroethene

Concen: 0.214 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV038350.D

Acq: 25 Nov 2024 18:05

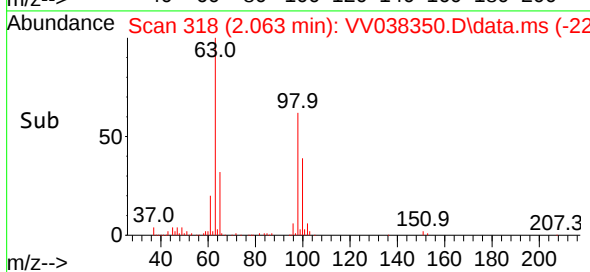
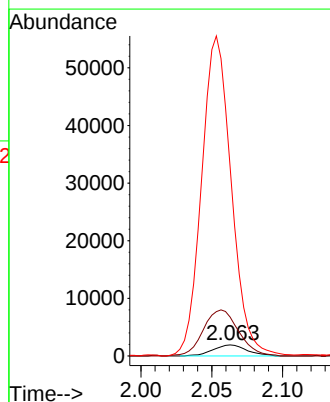
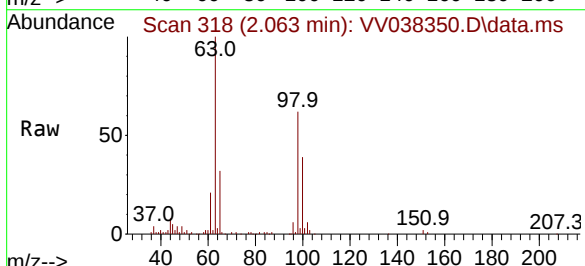
Tgt Ion: 96 Resp: 3199

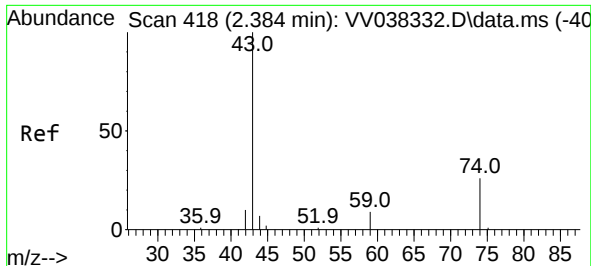
Ion Ratio Lower Upper

96 100

61 351.7 115.7 214.9#

63 1709.3 101.1 187.7#

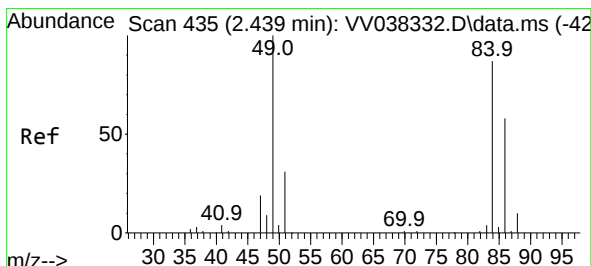
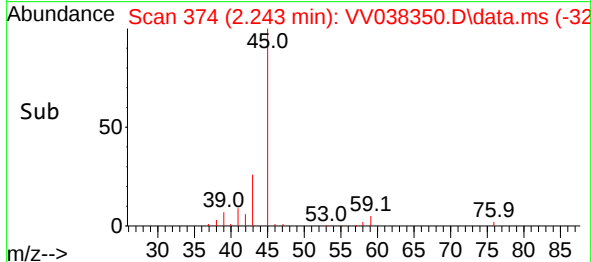
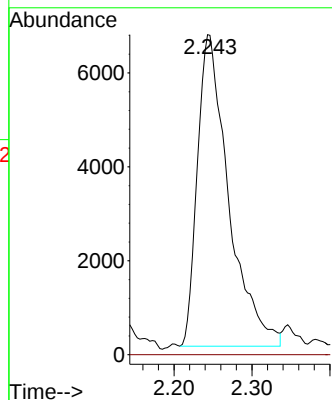
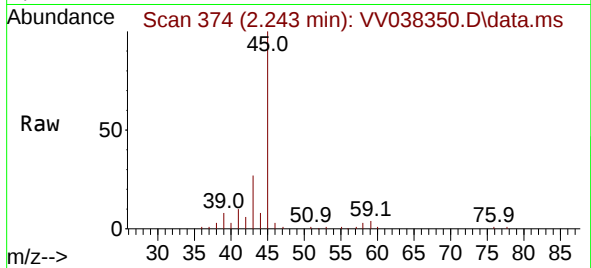




#15  
Methyl Acetate  
Concen: 3.216 ug/L  
RT: 2.243 min Scan# 31  
Delta R.T. -0.141 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05

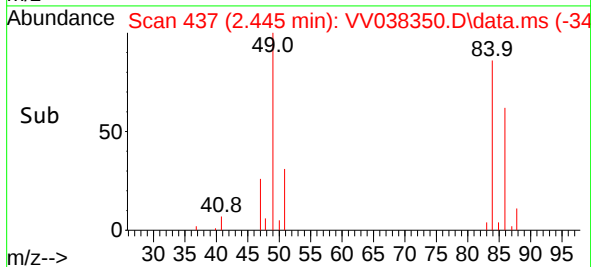
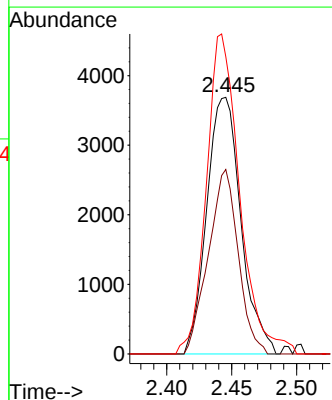
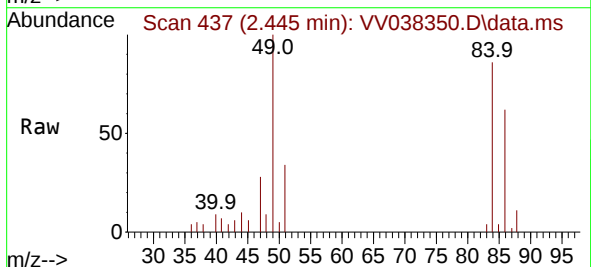
Instrument :  
MSVOA\_V  
ClientSampleId :

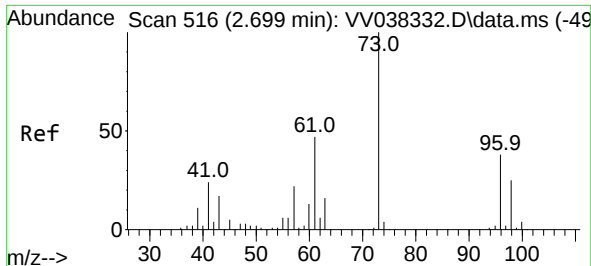
Tgt Ion: 43 Resp: 18495  
Ion Ratio Lower Upper  
43 100  
74 0.0 22.4 33.6#



#16  
Methylene chloride  
Concen: 0.397 ug/L  
RT: 2.445 min Scan# 437  
Delta R.T. 0.006 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05

Tgt Ion: 84 Resp: 6752  
Ion Ratio Lower Upper  
84 100  
86 71.9 44.2 82.2  
49 115.8 74.9 139.1

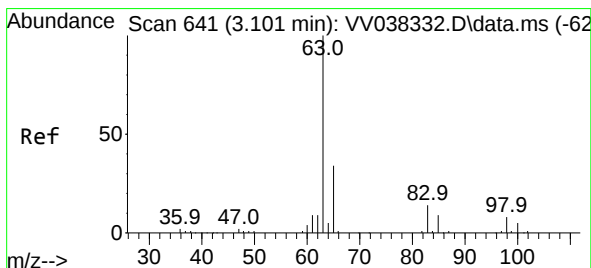
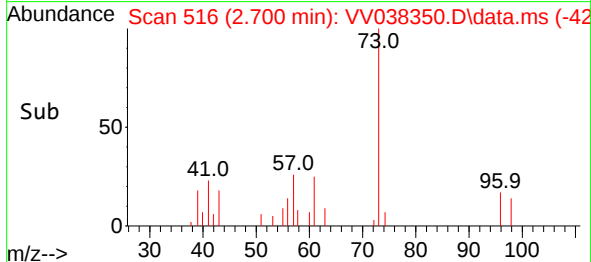
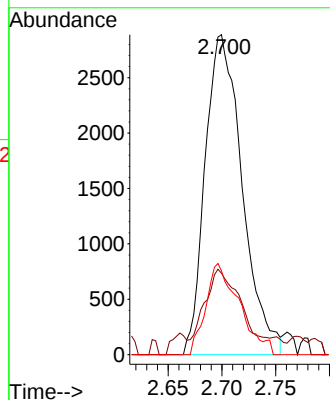
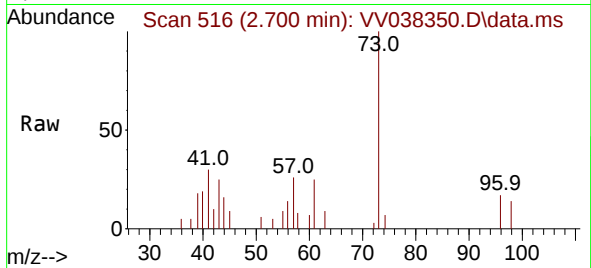




#17  
Methyl tert-butyl Ether  
Concen: 0.205 ug/L  
RT: 2.700 min Scan# 516  
Delta R.T. 0.000 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05

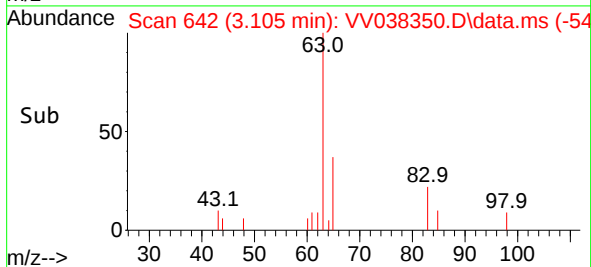
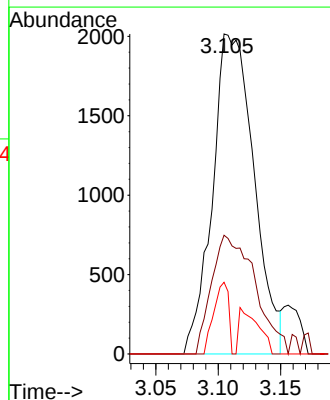
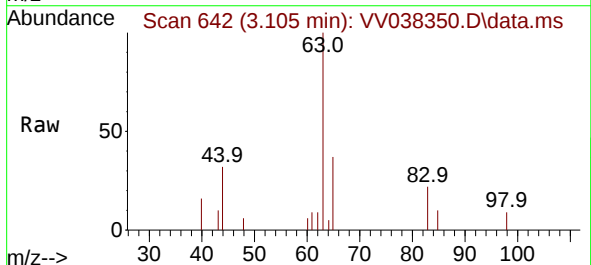
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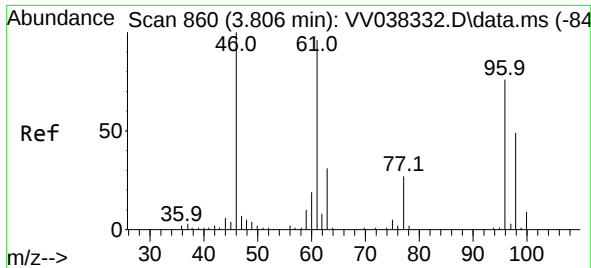
|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 6913  |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 19.0     | 14.2 21.2   |
| 57 25.8     | 17.6 26.4   |



#19  
1,1-Dichloroethane  
Concen: 0.164 ug/L  
RT: 3.105 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05

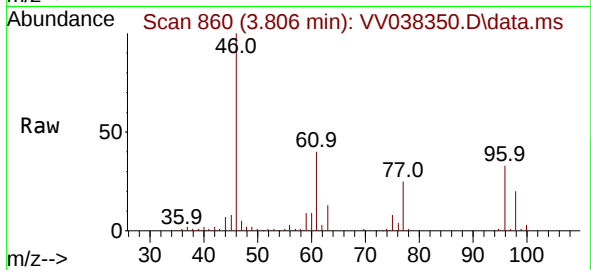
|             |            |       |   |
|-------------|------------|-------|---|
| Tgt Ion: 63 | Resp: 4664 |       |   |
| Ion Ratio   | Lower      | Upper |   |
| 63 100      |            |       |   |
| 65 37.1     | 22.5       | 41.7  |   |
| 83 22.4     | 10.1       | 18.9  | # |



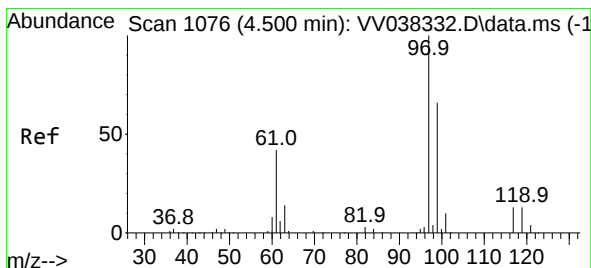
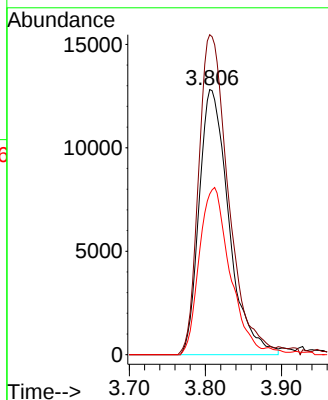
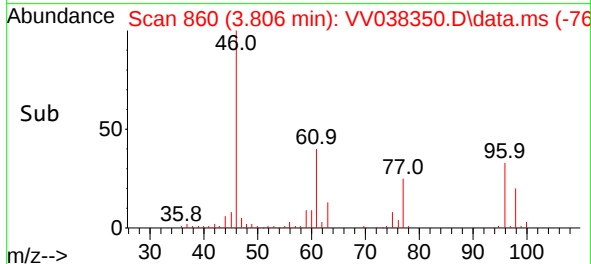


#22  
 cis-1,2-Dichloroethene  
 Concen: 2.139 ug/L  
 RT: 3.806 min Scan# 860  
 Delta R.T. 0.000 min  
 Lab File: VV038350.D  
 Acq: 25 Nov 2024 18:05

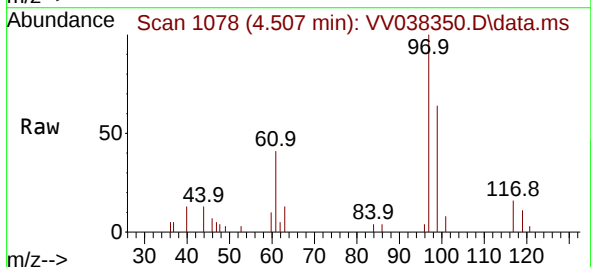
Instrument :  
 MSVOA\_V  
 ClientSampleId :



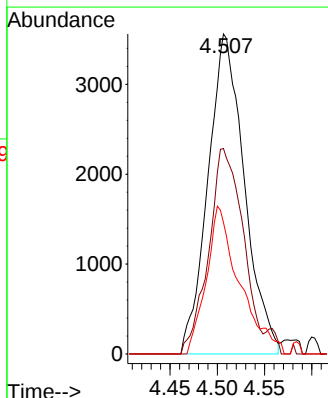
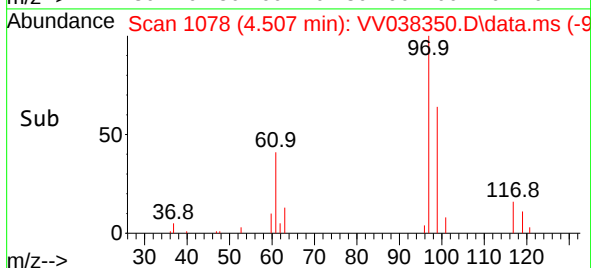
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|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 34757 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 120.7 | 82.7  | 153.5 |
| 98       | 60.6  | 46.3  | 85.9  |

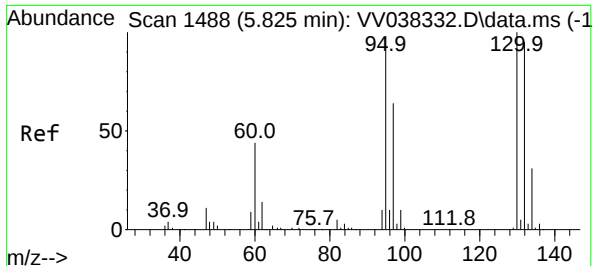


#29  
 1,1,1-Trichloroethane  
 Concen: 0.341 ug/L  
 RT: 4.507 min Scan# 1078  
 Delta R.T. 0.006 min  
 Lab File: VV038350.D  
 Acq: 25 Nov 2024 18:05



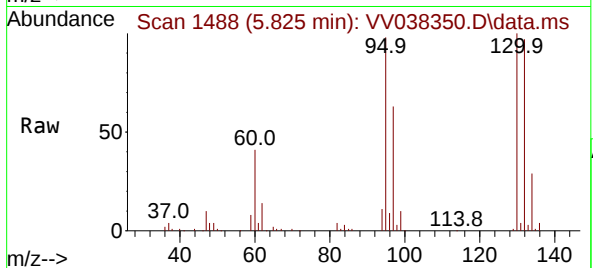
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|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 9525  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 60.5  | 51.8  | 77.8  |
| 61       | 42.0  | 32.2  | 48.2  |



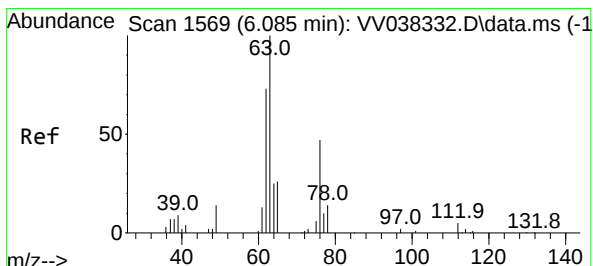
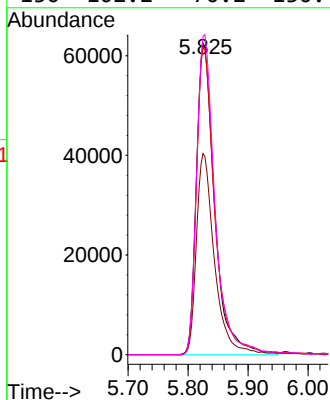
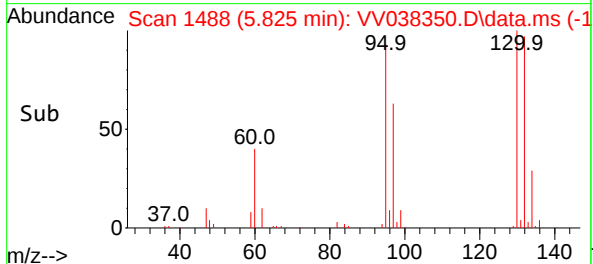


#34  
Trichloroethene  
Concen: 7.463 ug/L  
RT: 5.825 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05

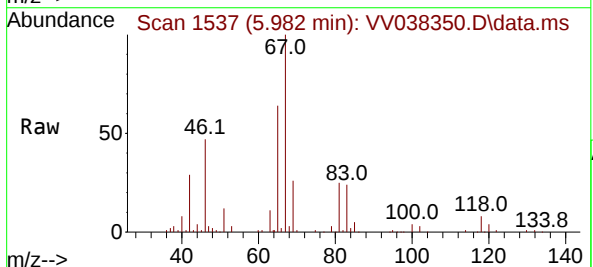
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MSVOA\_V  
ClientSampleId :



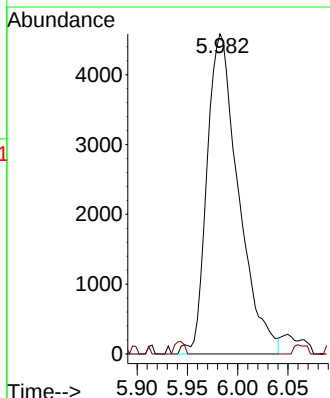
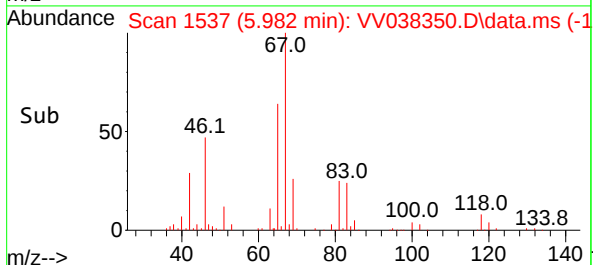
Tgt Ion: 95 Resp: 133179  
Ion Ratio Lower Upper  
95 100  
97 64.6 44.8 83.2  
132 98.7 68.3 126.8  
130 102.2 70.2 130.4

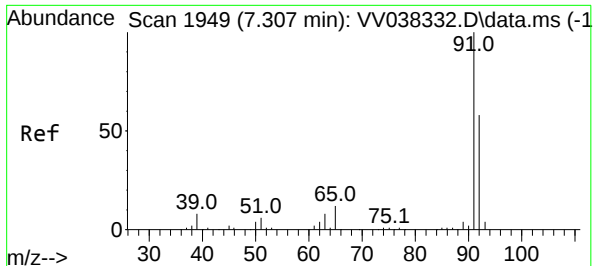


#37  
1,2-Dichloropropane  
Concen: 0.609 ug/L  
RT: 5.982 min Scan# 1537  
Delta R.T. -0.103 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05



Tgt Ion: 63 Resp: 9989  
Ion Ratio Lower Upper  
63 100  
112 1.2 3.9 5.9#





#42

Toluene

Concen: 0.102 ug/L

RT: 7.330 min Scan# 1949

Delta R.T. 0.023 min

Lab File: VV038350.D

Acq: 25 Nov 2024 18:05

Instrument :

MSVOA\_V

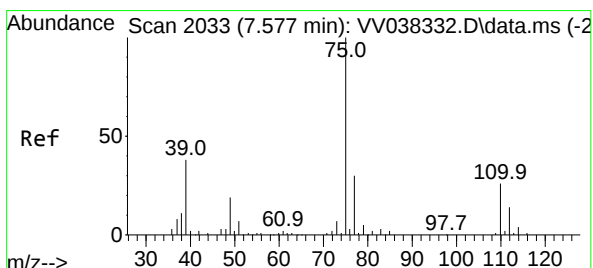
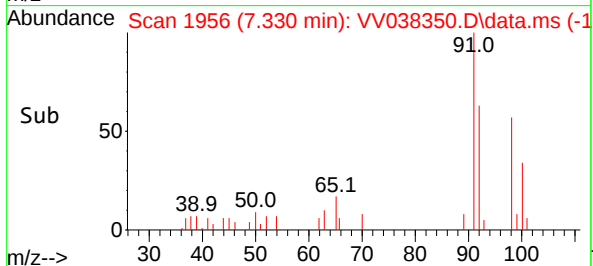
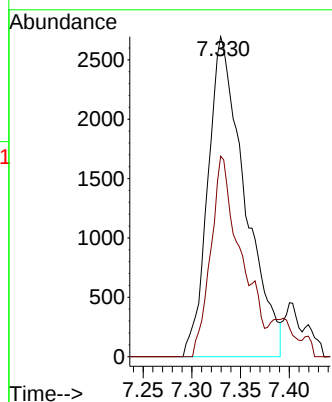
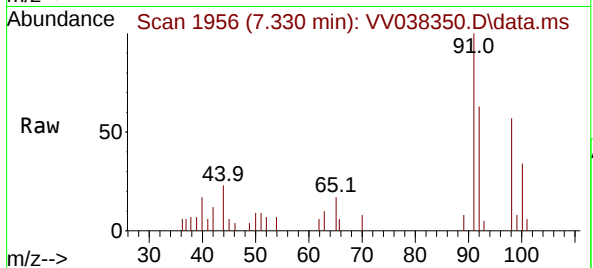
ClientSampleId :

Tgt Ion: 91 Resp: 7094

Ion Ratio Lower Upper

91 100

92 62.6 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.087 ug/L

RT: 7.555 min Scan# 2026

Delta R.T. -0.022 min

Lab File: VV038350.D

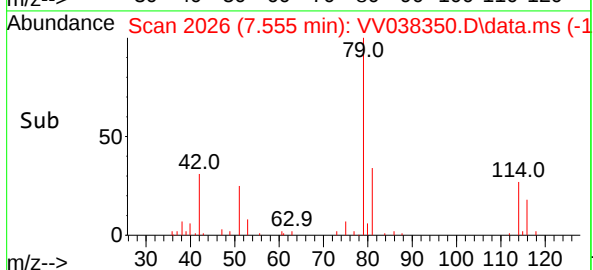
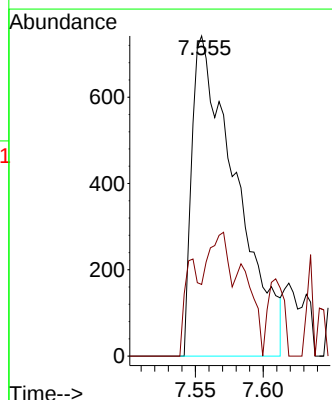
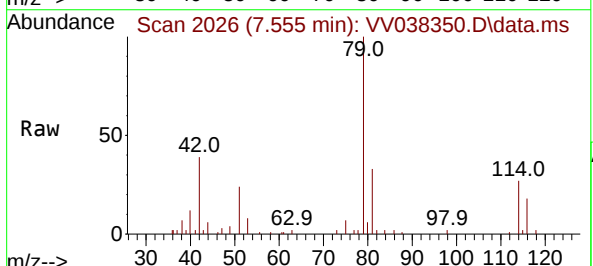
Acq: 25 Nov 2024 18:05

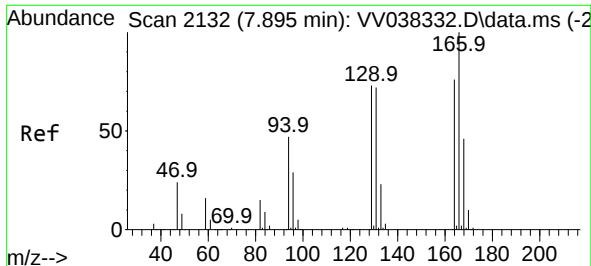
Tgt Ion: 75 Resp: 1675

Ion Ratio Lower Upper

75 100

77 22.4 23.4 43.4#

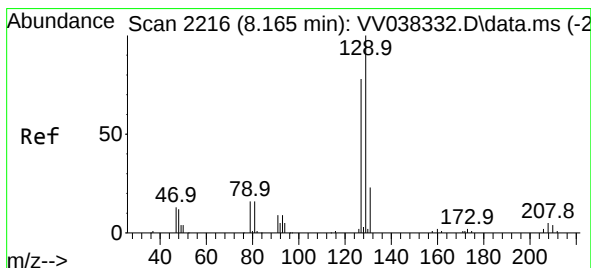
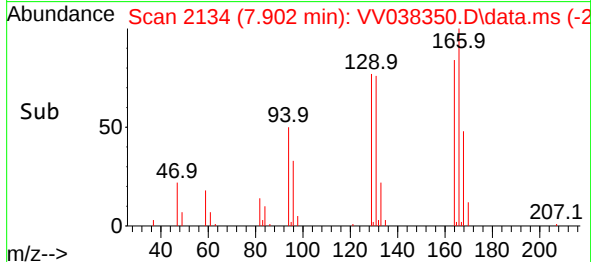
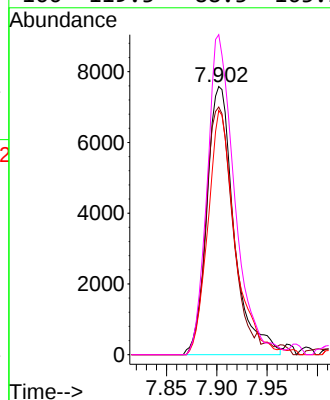
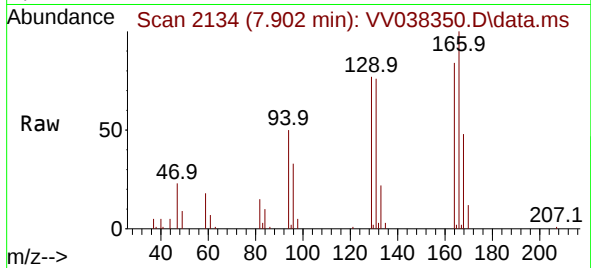




#47  
Tetrachloroethene  
Concen: 0.997 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. 0.006 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05

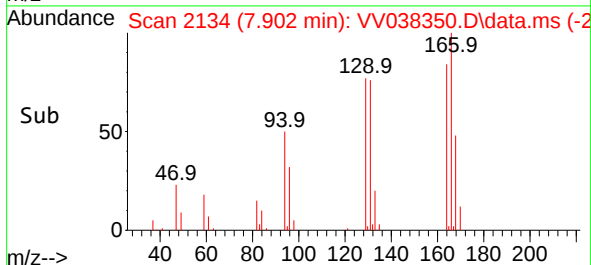
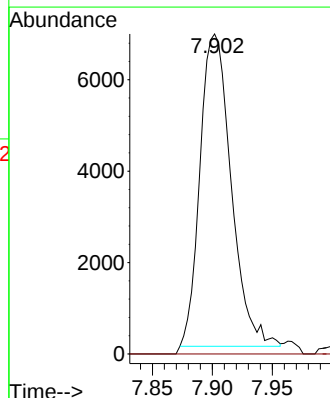
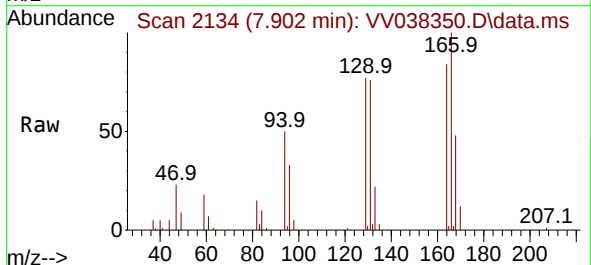
Instrument :  
MSVOA\_V  
ClientSampleId :

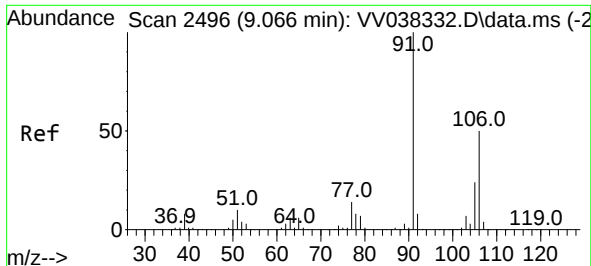
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:164 | Resp: | 14295      |
| Ion Ratio   | Lower | Upper      |
| 164         | 100   |            |
| 129         | 92.4  | 68.5 127.1 |
| 131         | 91.1  | 64.8 120.4 |
| 166         | 119.3 | 88.3 163.9 |



#49  
Dibromochloromethane  
Concen: 0.853 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. -0.264 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:129 | Resp: | 12361      |
| Ion Ratio   | Lower | Upper      |
| 129         | 100   |            |
| 127         | 0.0   | 53.5 99.3# |

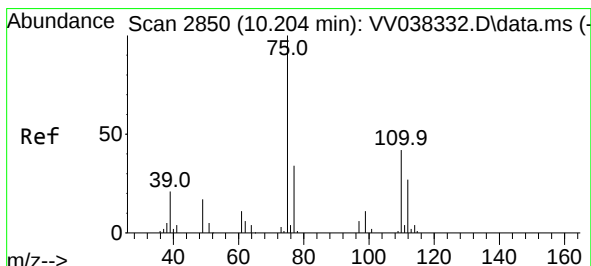
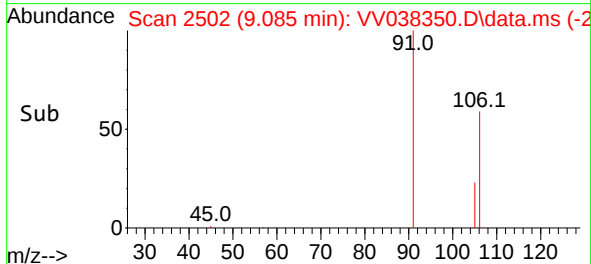
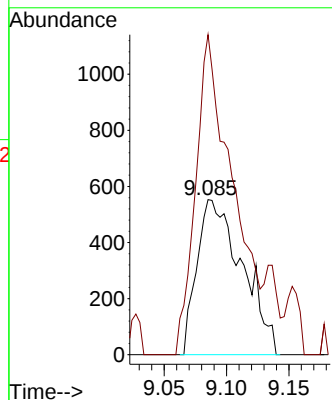
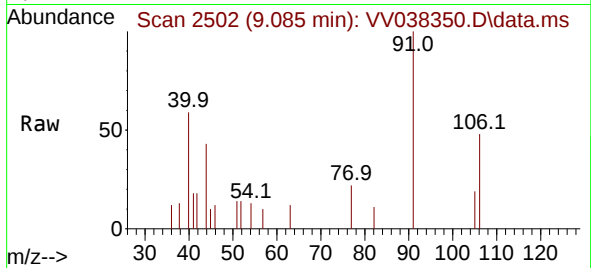




#53  
m,p-Xylene  
Concen: 0.050 ug/L  
RT: 9.085 min Scan# 21  
Delta R.T. 0.019 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 1393  
Ion Ratio Lower Upper  
106 100  
91 206.3 138.7 257.5



#61  
1,2,3-Trichloropropane  
Concen: 1.452 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.974 min  
Lab File: VV038350.D  
Acq: 25 Nov 2024 18:05

Tgt Ion: 75 Resp: 11607  
Ion Ratio Lower Upper  
75 100  
77 34.9 26.4 39.6  
110 1.1 32.3 48.5#

