

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112524\  
 Data File : VV038345.D  
 Acq On : 25 Nov 2024 15:39  
 Operator : SY/MD  
 Sample : P4930-01DL 4X  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BG439DL

Quant Time: Nov 26 00:44:51 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

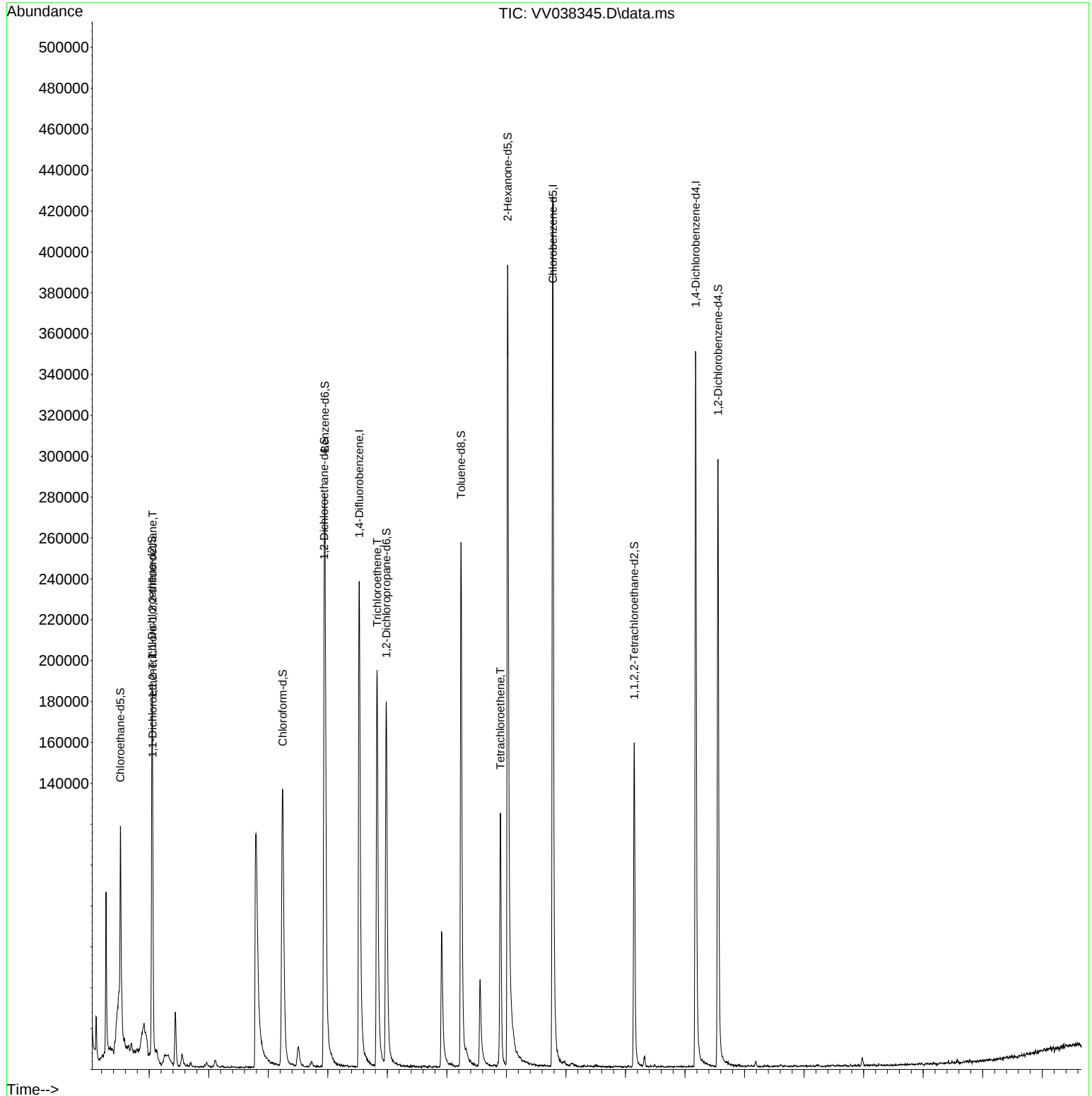
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114   | 222588   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 253398   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152   | 99892    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 52959    | 3.104    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 62.000%  |
| 7) Chloroethane-d5            | 1.516  | 69    | 45805    | 3.319    | ug/L   | -0.01    |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 66.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.047  | 65    | 26167    | 3.564    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 71.200%  |
| 20) 2-Butanone-d5             | 3.786  | 46    | 189684   | 55.577   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 111.160% |
| 24) Chloroform-d              | 4.243  | 84    | 152308   | 4.600    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 92.000%  |
| 26) 1,2-Dichloroethane-d4     | 4.937  | 65    | 77621    | 5.225    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 104.400% |
| 32) Benzene-d6                | 4.950  | 84    | 258303   | 3.944    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 78.800%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 92353    | 4.583    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 91.600%  |
| 41) Toluene-d8                | 7.236  | 98    | 194324   | 3.207    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 64.200%# |
| 43) trans-1,3-Dichloroprop... | 7.558  | 79    | 32572    | 4.347    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.000%  |
| 46) 2-Hexanone-d5             | 8.021  | 63    | 142794   | 49.028   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 98.060%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 80988    | 4.734    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 94.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.555 | 152   | 81127    | 4.767    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.400%  |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.057  | 101   | 3726     | 0.223    | ug/L   | 87       |
| 12) 1,1-Dichloroethene        | 2.060  | 96    | 12212    | 0.768    | ug/L # | 4        |
| 16) Methylene chloride        | 2.439  | 84    | 10667    | 0.588    | ug/L   | 94       |
| 19) 1,1-Dichloroethane        | 3.108  | 63    | 3697     | 0.122    | ug/L # | 84       |
| 22) cis-1,2-Dichloroethene    | 3.806  | 96    | 16839    | 0.972    | ug/L   | 94       |
| 25) Chloroform                | 4.275  | 83    | 8885     | 0.273    | ug/L   | 96       |
| 29) 1,1,1-Trichloroethane     | 4.507  | 97    | 8205     | 0.270    | ug/L   | 97       |
| 34) Trichloroethene           | 5.828  | 95    | 73813    | 3.804    | ug/L   | 96       |
| 47) Tetrachloroethene         | 7.899  | 164   | 28161    | 1.806    | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

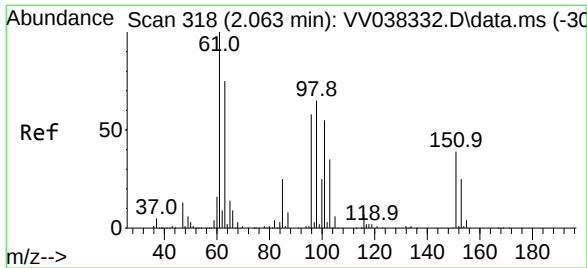
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 26 00:39:03 2024  
Response via : Initial Calibration

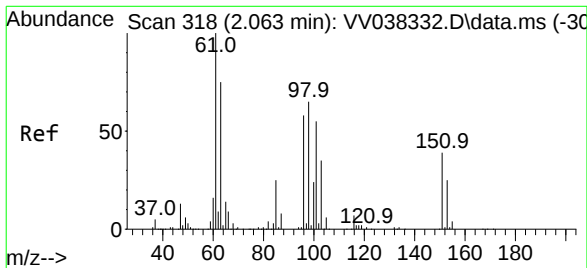
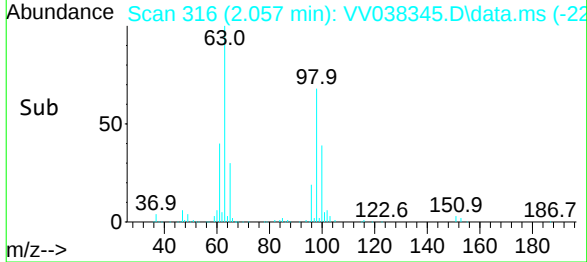
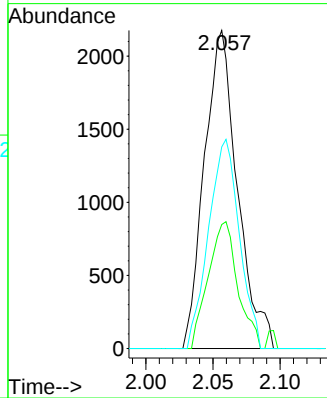
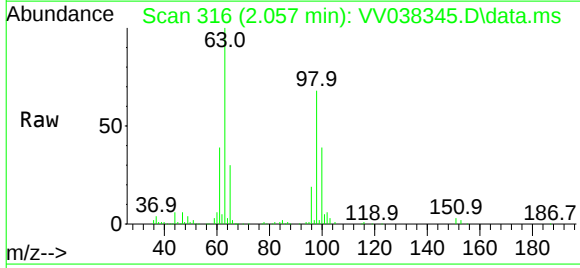




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 0.223 ug/L  
RT: 2.057 min Scan# 316  
Delta R.T. -0.006 min  
Lab File: VV038345.D  
Acq: 25 Nov 2024 15:39

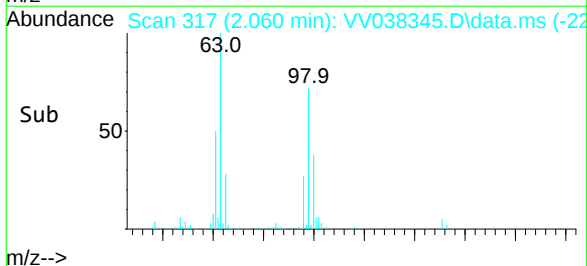
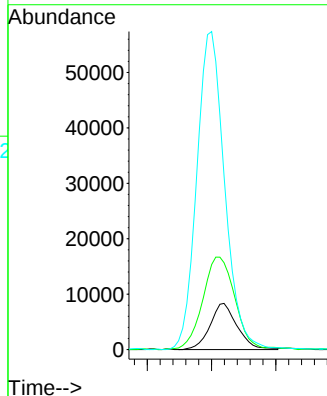
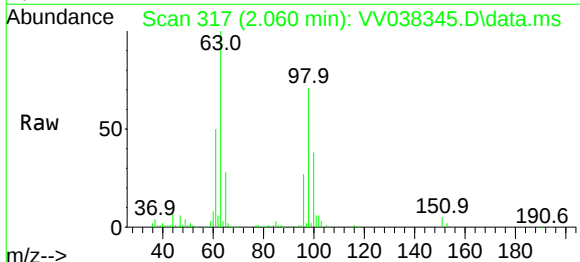
Instrument :  
MSVOA\_V  
ClientSampleId :  
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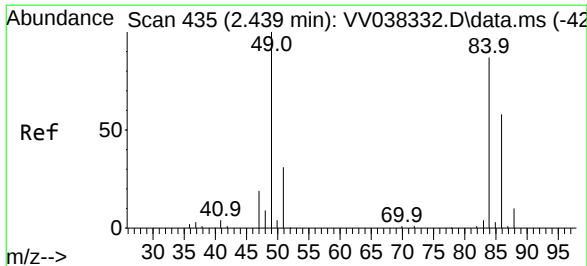
Tgt Ion: 101 Resp: 3726  
Ion Ratio Lower Upper  
101 100  
85 35.7 33.4 50.0  
151 61.3 58.8 88.2



#12  
1,1-Dichloroethene  
Concen: 0.768 ug/L  
RT: 2.060 min Scan# 317  
Delta R.T. -0.003 min  
Lab File: VV038345.D  
Acq: 25 Nov 2024 15:39

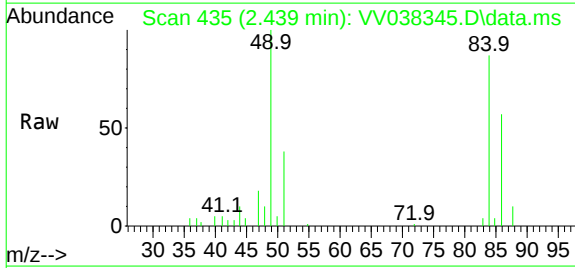
Tgt Ion: 96 Resp: 12212  
Ion Ratio Lower Upper  
96 100  
61 188.0 115.7 214.9  
63 376.0 101.1 187.7#



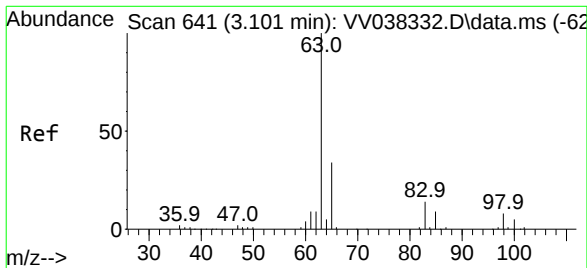
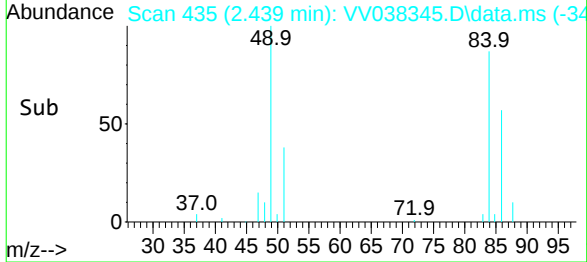
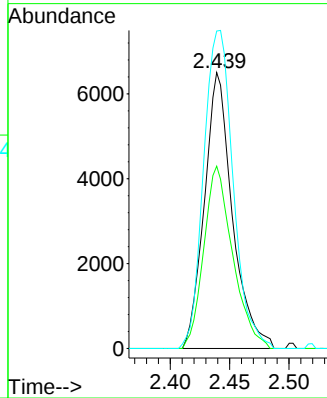


#16  
Methylene chloride  
Concen: 0.588 ug/L  
RT: 2.439 min Scan# 43  
Delta R.T. 0.000 min  
Lab File: VV038345.D  
Acq: 25 Nov 2024 15:39

Instrument :  
MSVOA\_V  
ClientSampleId :  
BG439DL

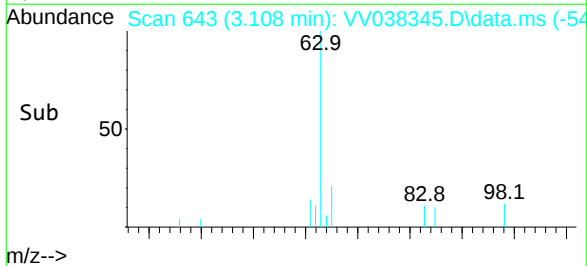
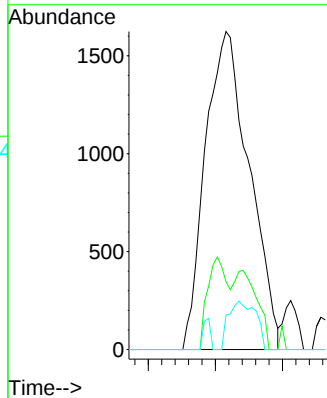
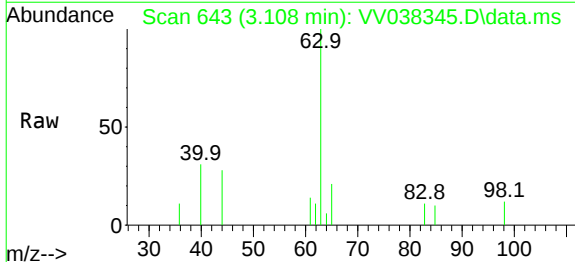


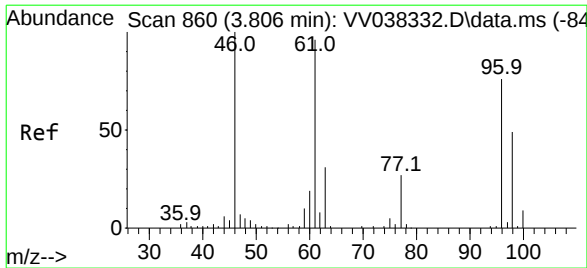
Tgt Ion: 84 Resp: 10667  
Ion Ratio Lower Upper  
84 100  
86 66.1 44.2 82.2  
49 115.0 74.9 139.1



#19  
1,1-Dichloroethane  
Concen: 0.122 ug/L  
RT: 3.108 min Scan# 643  
Delta R.T. 0.007 min  
Lab File: VV038345.D  
Acq: 25 Nov 2024 15:39

Tgt Ion: 63 Resp: 3697  
Ion Ratio Lower Upper  
63 100  
65 21.4 22.5 41.7#  
83 10.8 10.1 18.9

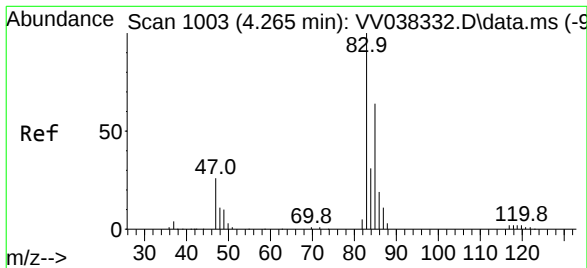
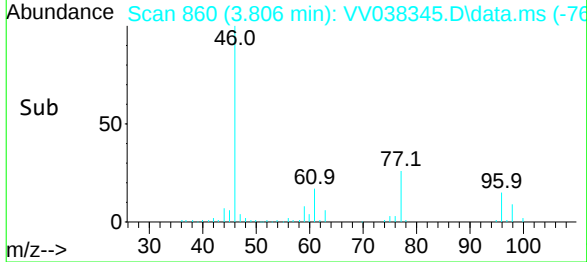
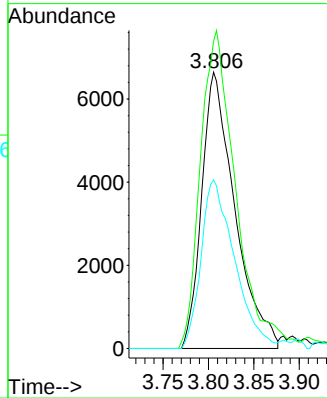
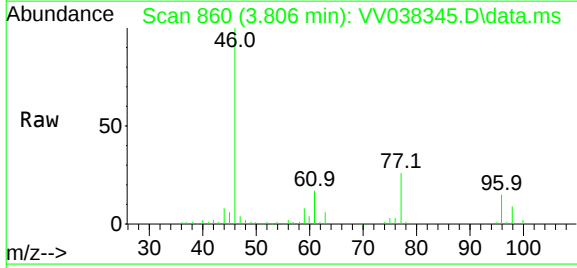




#22  
cis-1,2-Dichloroethene  
Concen: 0.972 ug/L  
RT: 3.806 min Scan# 860  
Delta R.T. 0.000 min  
Lab File: VV038345.D  
Acq: 25 Nov 2024 15:39

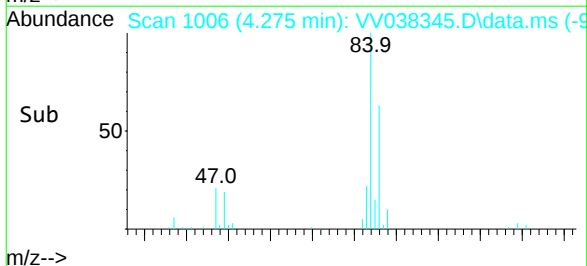
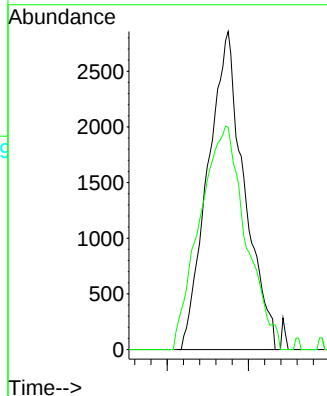
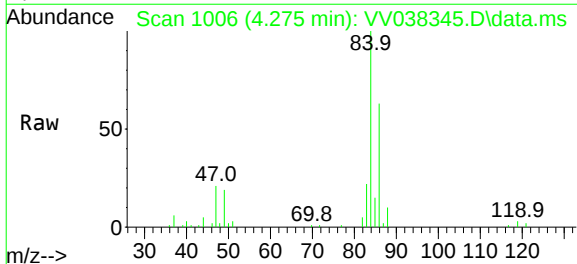
Instrument :  
MSVOA\_V  
ClientSampleId :  
BG439DL

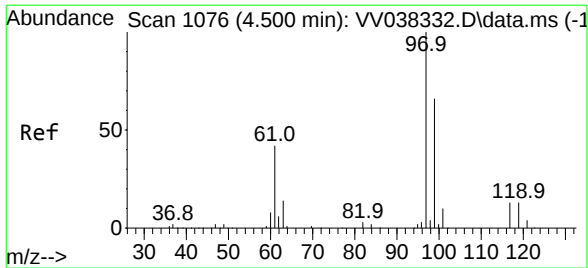
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 16839 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 111.2 | 82.7  | 153.5 |
| 98       | 61.0  | 46.3  | 85.9  |



#25  
Chloroform  
Concen: 0.273 ug/L  
RT: 4.275 min Scan# 1006  
Delta R.T. 0.010 min  
Lab File: VV038345.D  
Acq: 25 Nov 2024 15:39

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 8885  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 69.9  | 46.5  | 86.3  |

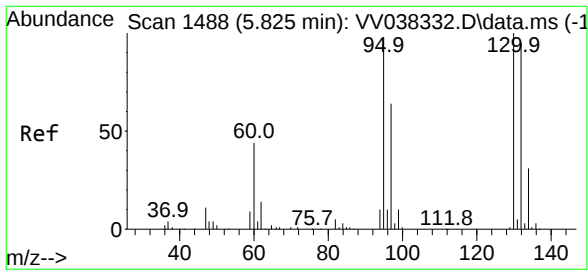
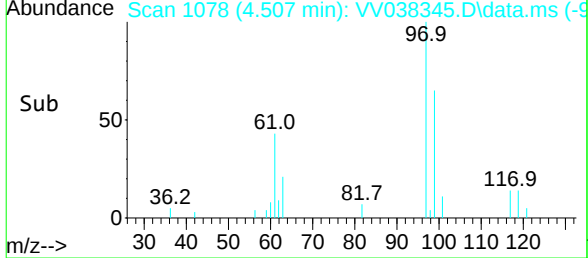
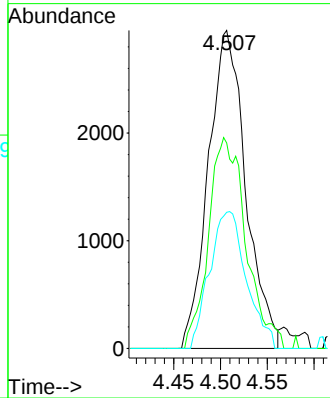
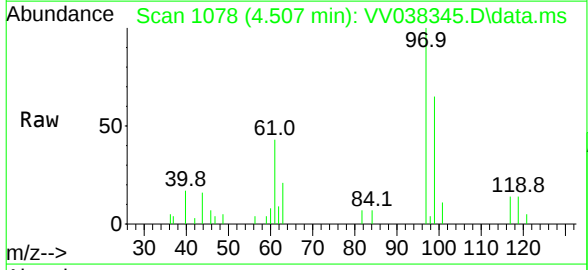




#29  
1,1,1-Trichloroethane  
Concen: 0.270 ug/L  
RT: 4.507 min Scan# 1076  
Delta R.T. 0.006 min  
Lab File: VV038345.D  
Acq: 25 Nov 2024 15:39

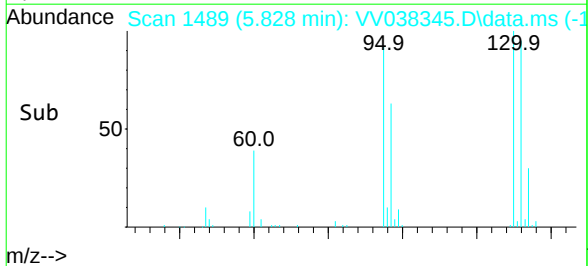
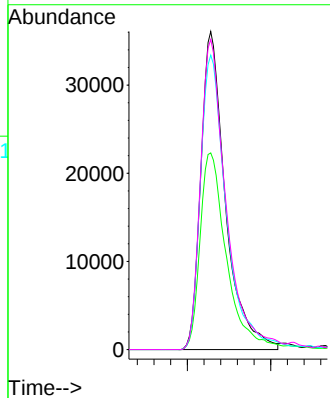
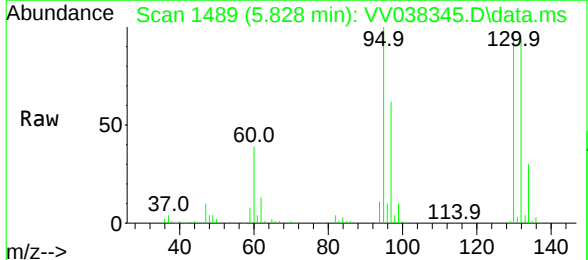
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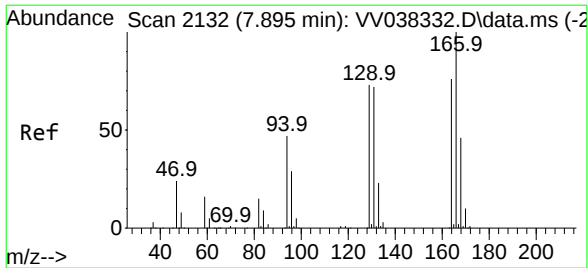
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 8205  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 66.3  | 51.8  | 77.8  |
| 61       | 42.3  | 32.2  | 48.2  |



#34  
Trichloroethene  
Concen: 3.804 ug/L  
RT: 5.828 min Scan# 1489  
Delta R.T. 0.003 min  
Lab File: VV038345.D  
Acq: 25 Nov 2024 15:39

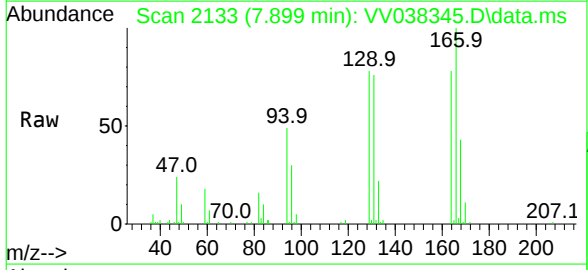
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 73813 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 61.8  | 44.8  | 83.2  |
| 132      | 92.6  | 68.3  | 126.8 |
| 130      | 97.5  | 70.2  | 130.4 |





#47  
 Tetrachloroethene  
 Concen: 1.806 ug/L  
 RT: 7.899 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV038345.D  
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Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 28161 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 99.4  | 68.5  | 127.1 |
| 131      | 96.8  | 64.8  | 120.4 |
| 166      | 127.8 | 88.3  | 163.9 |

