

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV112624\  
 Data File : VV038373.D  
 Acq On : 26 Nov 2024 18:42  
 Operator : SY/MD  
 Sample : P4930-02DL 4X  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 27 00:25:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Nov 27 00:19:46 2024  
 Response via : Initial Calibration

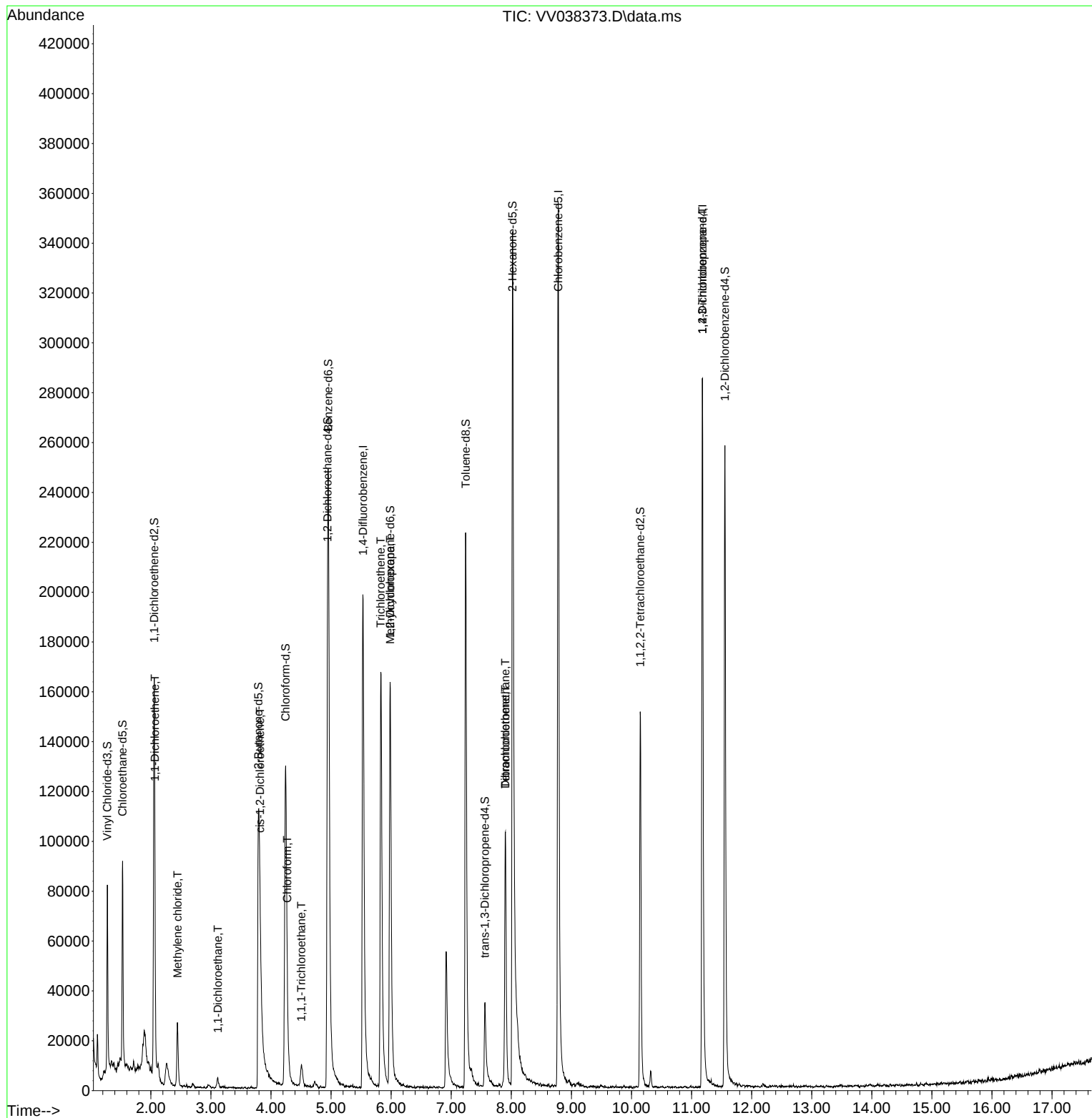
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 187228   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117   | 208864   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.182 | 152   | 82406    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65    | 47084    | 3.281    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 65.600%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 53741    | 4.630    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 92.600%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 22613    | 3.662    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 73.200%  |
| 20) 2-Butanone-d5             | 3.790  | 46    | 175363   | 61.085   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 122.180% |
| 24) Chloroform-d              | 4.243  | 84    | 142178   | 5.105    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.000% |
| 26) 1,2-Dichloroethane-d4     | 4.941  | 65    | 71904    | 5.754    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 115.000% |
| 32) Benzene-d6                | 4.953  | 84    | 229278   | 4.247    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.000%  |
| 36) 1,2-Dichloropropane-d6    | 5.982  | 67    | 83336    | 5.017    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 100.400% |
| 41) Toluene-d8                | 7.240  | 98    | 167442   | 3.352    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 67.000%# |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 24214    | 3.921    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 78.400%  |
| 46) 2-Hexanone-d5             | 8.021  | 63    | 125119   | 52.119   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 104.240% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84    | 77653    | 5.507    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 110.200% |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152   | 72153    | 5.139    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.066  | 96    | 10528    | 0.787    | ug/L # | 9        |
| 16) Methylene chloride        | 2.442  | 84    | 11465    | 0.752    | ug/L   | 98       |
| 19) 1,1-Dichloroethane        | 3.114  | 63    | 3752     | 0.147    | ug/L   | 96       |
| 22) cis-1,2-Dichloroethene    | 3.815  | 96    | 14662    | 1.007    | ug/L   | 95       |
| 25) Chloroform                | 4.269  | 83    | 8646     | 0.316    | ug/L   | 98       |
| 29) 1,1,1-Trichloroethane     | 4.503  | 97    | 7546     | 0.301    | ug/L   | 99       |
| 34) Trichloroethene           | 5.828  | 95    | 64726    | 4.047    | ug/L   | 97       |
| 35) Methylcyclohexane         | 5.986  | 83    | 20273    | 0.896    | ug/L # | 19       |
| 47) Tetrachloroethene         | 7.899  | 164   | 24246    | 1.887    | ug/L   | 96       |
| 49) Dibromochloromethane      | 7.899  | 129   | 23974    | 1.845    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.182 | 75    | 10138    | 1.437    | ug/L # | 65       |
| -----                         |        |       |          |          |        |          |

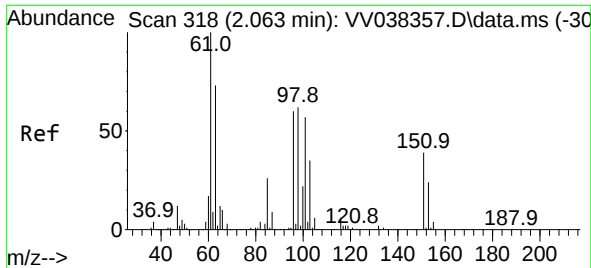
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Nov 27 00:19:46 2024  
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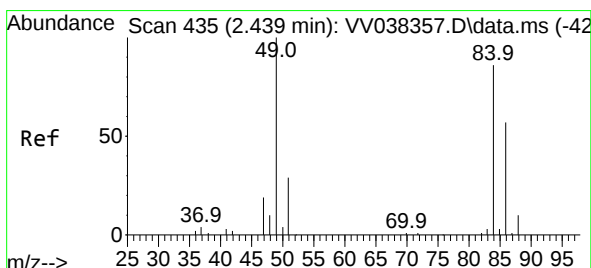
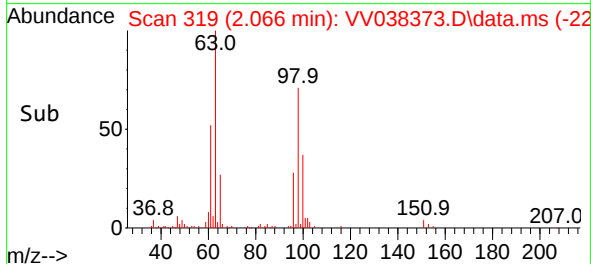
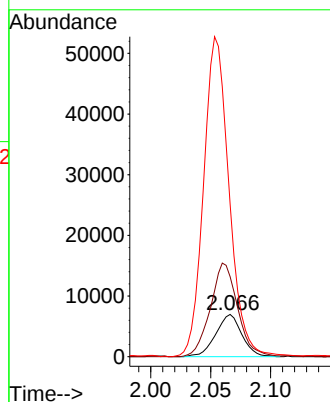
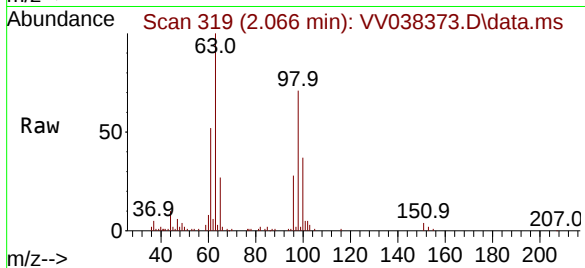




#12  
1,1-Dichloroethene  
Concen: 0.787 ug/L  
RT: 2.066 min Scan# 318  
Delta R.T. 0.003 min  
Lab File: VV038373.D  
Acq: 26 Nov 2024 18:42

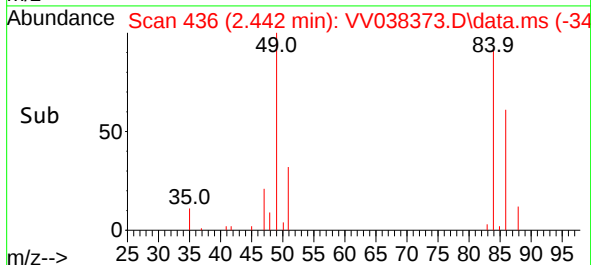
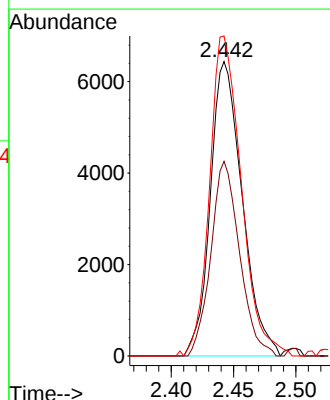
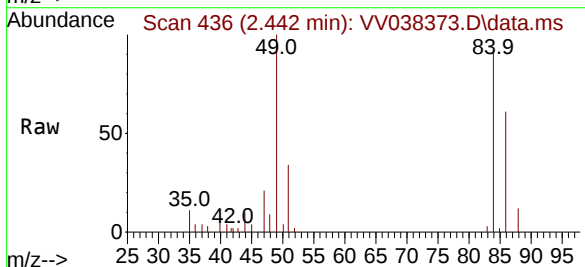
Instrument :  
MSVOA\_V  
ClientSampleId :

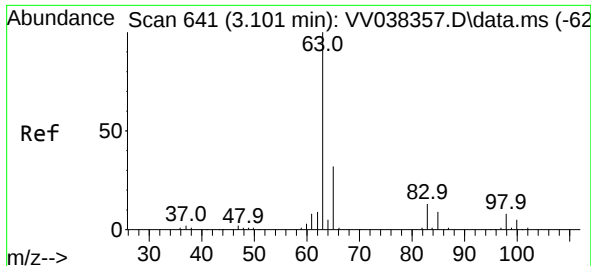
Tgt Ion: 96 Resp: 10528  
Ion Ratio Lower Upper  
96 100  
61 189.8 115.7 214.9  
63 361.9 101.1 187.7#



#16  
Methylene chloride  
Concen: 0.752 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VV038373.D  
Acq: 26 Nov 2024 18:42

Tgt Ion: 84 Resp: 11465  
Ion Ratio Lower Upper  
84 100  
86 66.1 44.2 82.2  
49 108.7 74.9 139.1





#19

1,1-Dichloroethane

Concen: 0.147 ug/L

RT: 3.114 min Scan# 641

Delta R.T. 0.013 min

Lab File: VV038373.D

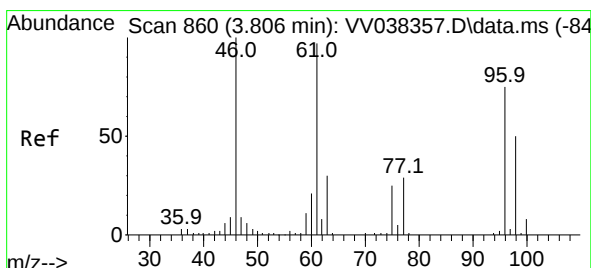
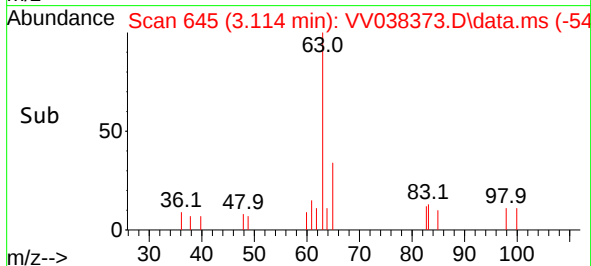
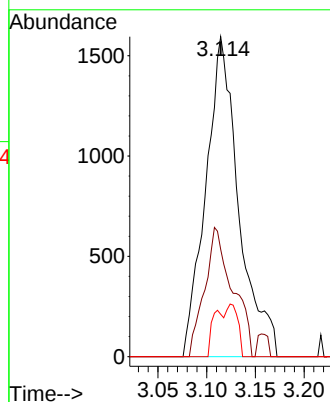
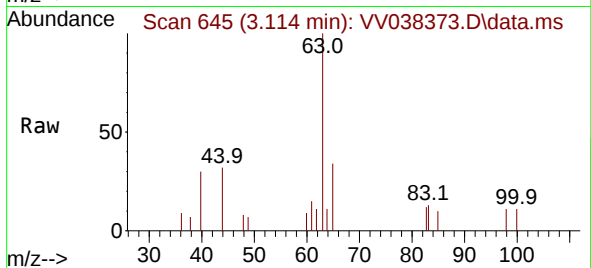
Acq: 26 Nov 2024 18:42

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 63    | Resp: | 3752  |
| Ion      | Ratio | Lower | Upper |
| 63       | 100   |       |       |
| 65       | 30.1  | 22.5  | 41.7  |
| 83       | 11.9  | 10.1  | 18.9  |



#22

cis-1,2-Dichloroethene

Concen: 1.007 ug/L

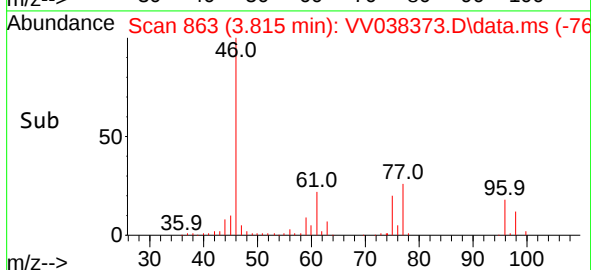
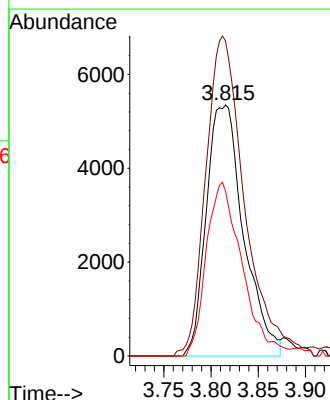
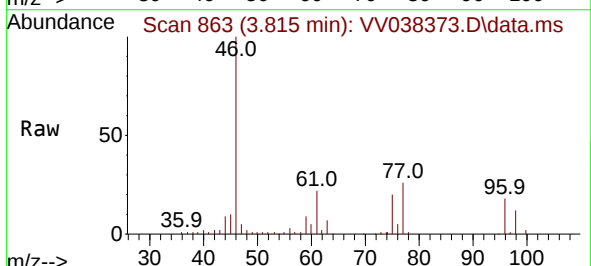
RT: 3.815 min Scan# 863

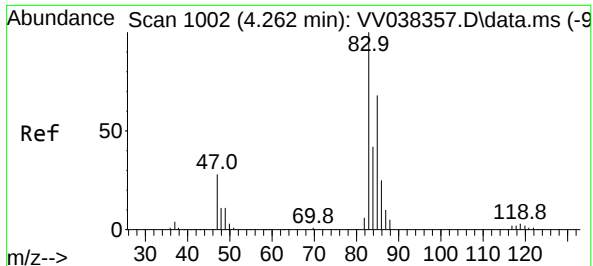
Delta R.T. 0.010 min

Lab File: VV038373.D

Acq: 26 Nov 2024 18:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 14662 |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 125.5 | 82.7  | 153.5 |
| 98       | 65.7  | 46.3  | 85.9  |

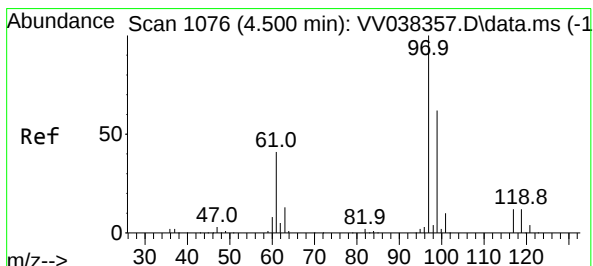
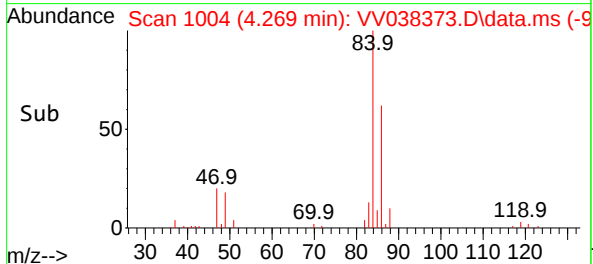
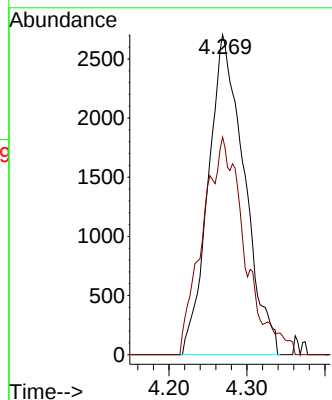
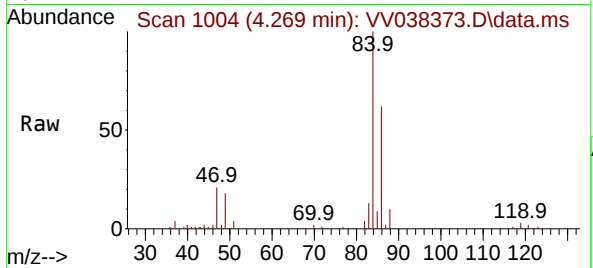




#25  
Chloroform  
Concen: 0.316 ug/L  
RT: 4.269 min Scan# 1004  
Delta R.T. 0.006 min  
Lab File: VV038373.D  
Acq: 26 Nov 2024 18:42

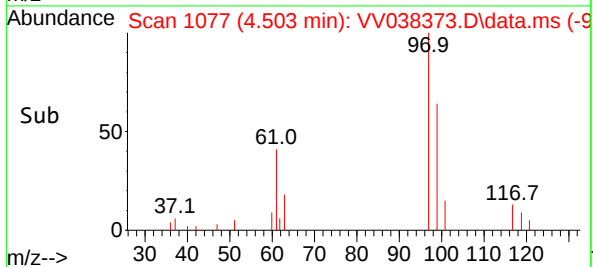
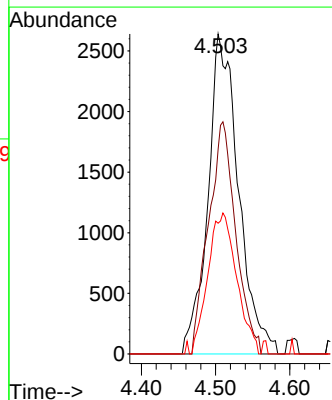
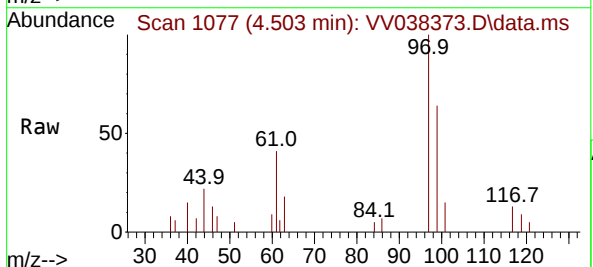
Instrument :  
MSVOA\_V  
ClientSampleId :

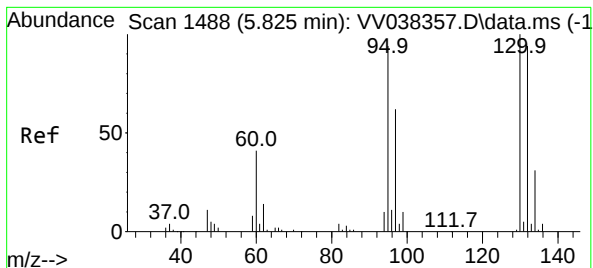
Tgt Ion: 83 Resp: 8646  
Ion Ratio Lower Upper  
83 100  
85 68.0 46.5 86.3



#29  
1,1,1-Trichloroethane  
Concen: 0.301 ug/L  
RT: 4.503 min Scan# 1077  
Delta R.T. 0.003 min  
Lab File: VV038373.D  
Acq: 26 Nov 2024 18:42

Tgt Ion: 97 Resp: 7546  
Ion Ratio Lower Upper  
97 100  
99 65.0 51.8 77.8  
61 41.6 32.2 48.2





#34

Trichloroethene

Concen: 4.047 ug/L

RT: 5.828 min Scan# 14

Delta R.T. 0.003 min

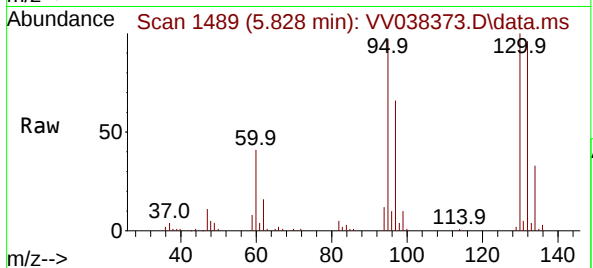
Lab File: VV038373.D

Acq: 26 Nov 2024 18:42

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 95 Resp: 64726

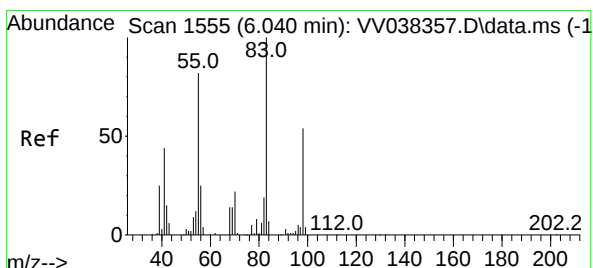
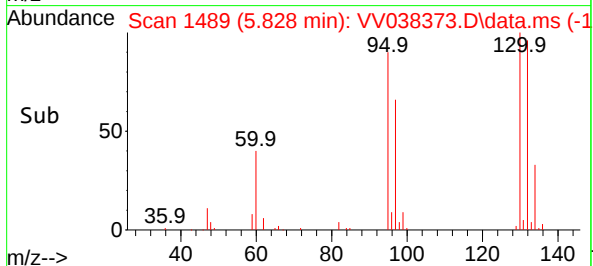
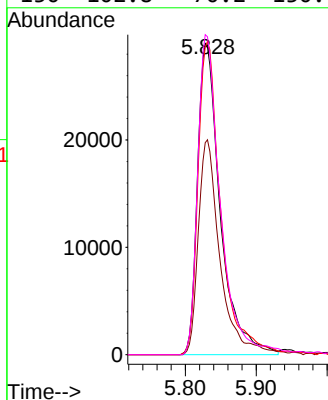
Ion Ratio Lower Upper

95 100

97 68.1 44.8 83.2

132 98.8 68.3 126.8

130 102.8 70.2 130.4



#35

Methylcyclohexane

Concen: 0.896 ug/L

RT: 5.986 min Scan# 1538

Delta R.T. -0.055 min

Lab File: VV038373.D

Acq: 26 Nov 2024 18:42

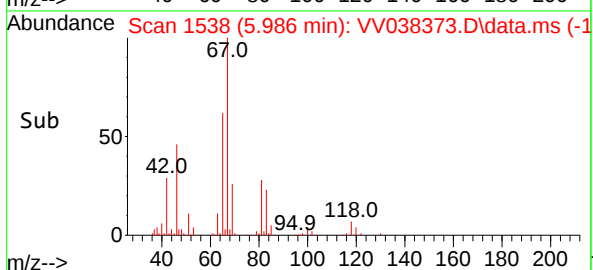
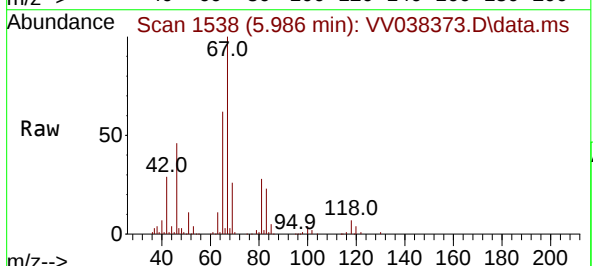
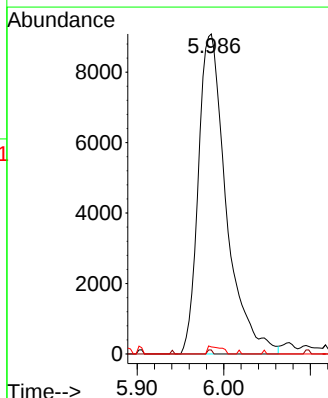
Tgt Ion: 83 Resp: 20273

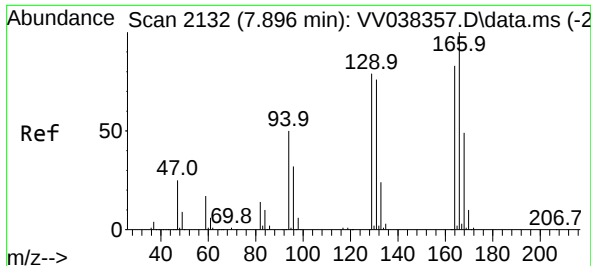
Ion Ratio Lower Upper

83 100

55 0.2 59.7 89.5#

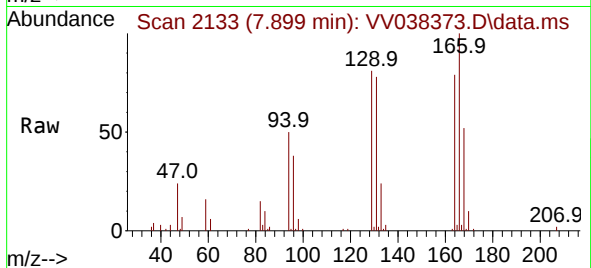
98 1.2 39.0 58.4#



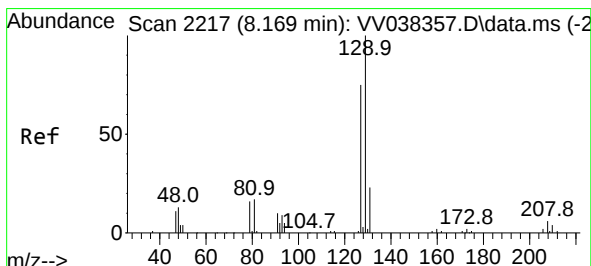
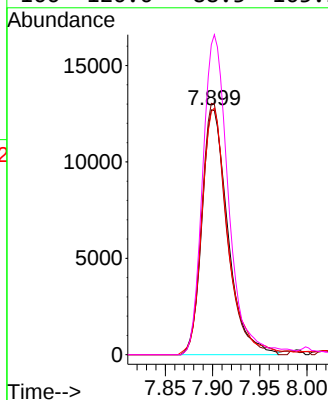
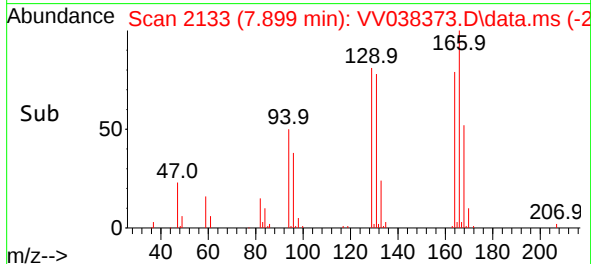


#47  
Tetrachloroethene  
Concen: 1.887 ug/L  
RT: 7.899 min Scan# 2133  
Delta R.T. 0.003 min  
Lab File: VV038373.D  
Acq: 26 Nov 2024 18:42

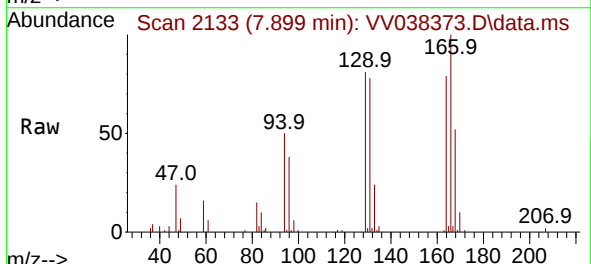
Instrument :  
MSVOA\_V  
ClientSampleId :



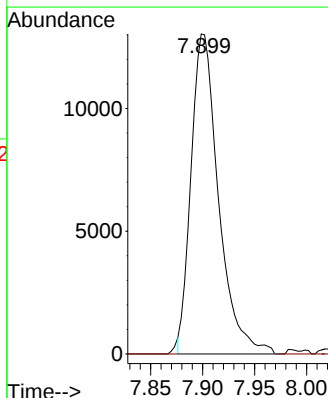
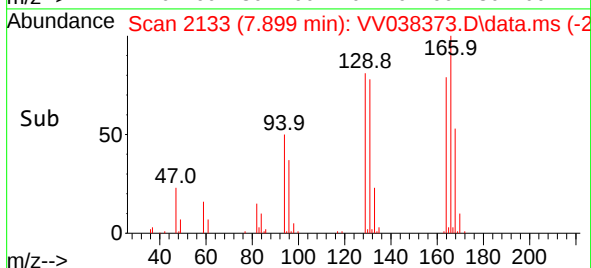
Tgt Ion:164 Resp: 24246  
Ion Ratio Lower Upper  
164 100  
129 102.6 68.5 127.1  
131 99.2 64.8 120.4  
166 126.6 88.3 163.9

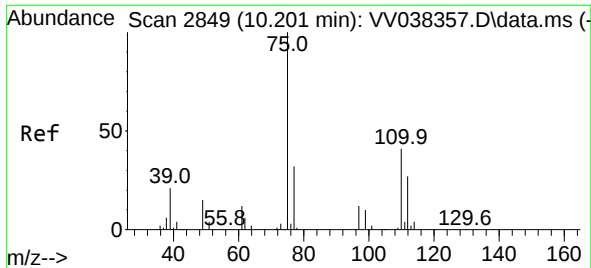


#49  
Dibromochloromethane  
Concen: 1.845 ug/L  
RT: 7.899 min Scan# 2133  
Delta R.T. -0.270 min  
Lab File: VV038373.D  
Acq: 26 Nov 2024 18:42



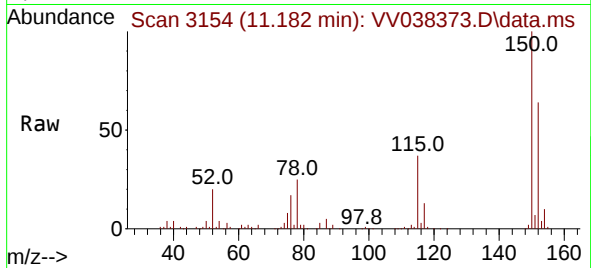
Tgt Ion:129 Resp: 23974  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.5 99.3#





#61  
1,2,3-Trichloropropane  
Concen: 1.437 ug/L  
RT: 11.182 min Scan# 31  
Delta R.T. 0.981 min  
Lab File: VV038373.D  
Acq: 26 Nov 2024 18:42

Instrument :  
MSVOA\_V  
ClientSampleId :



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 77      | 29.6  | 26.4  | 39.6  |
| 110     | 3.7   | 32.3  | 48.5# |

