

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082522\  
 Data File : VV027512.D  
 Acq On : 25 Aug 2022 22:45  
 Operator : SY/MD  
 Sample : N4367-04  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 21 Sample Multiplier: 1

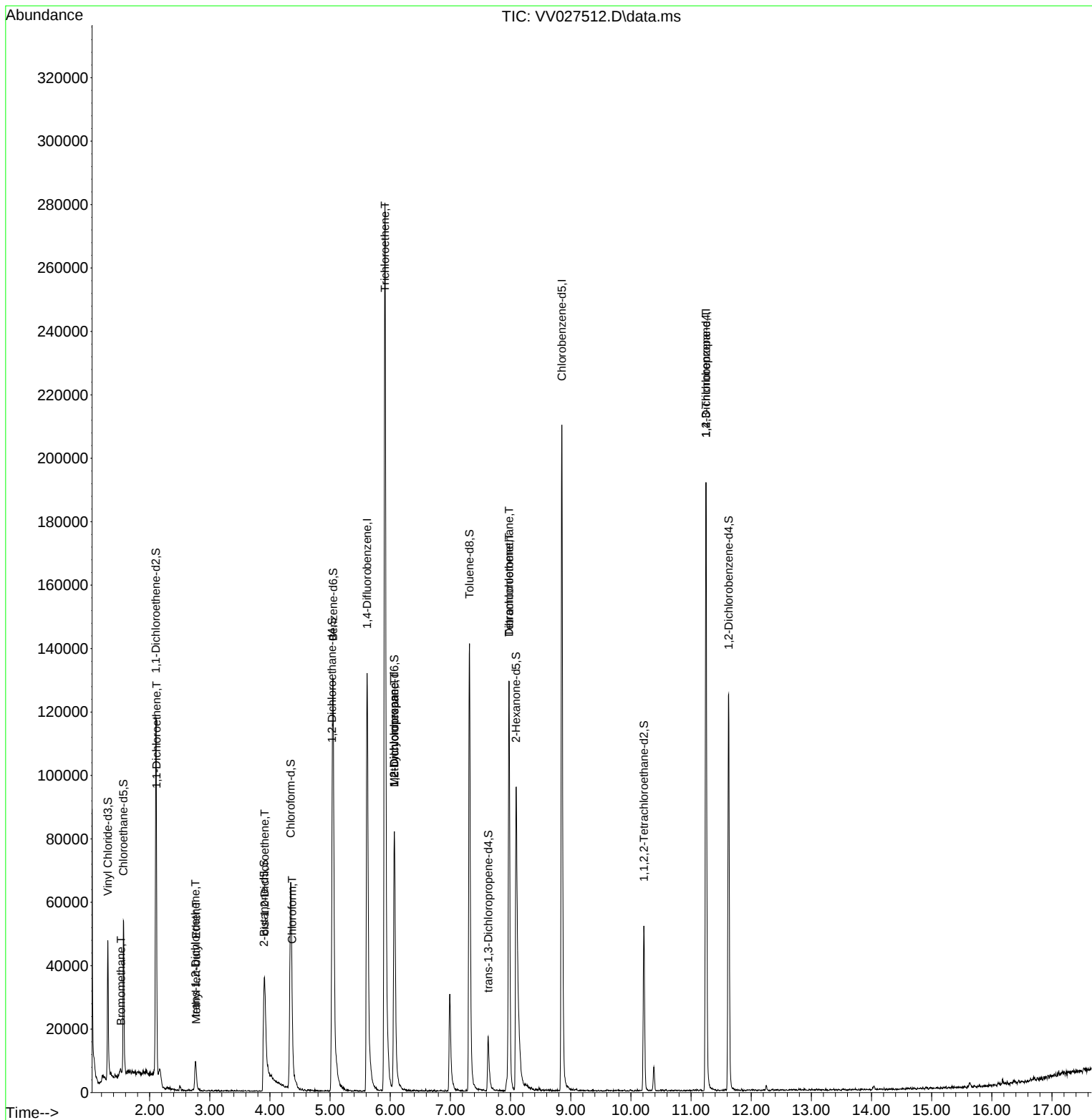
Instrument :  
 MSVOA\_V  
 ClientSampleId :

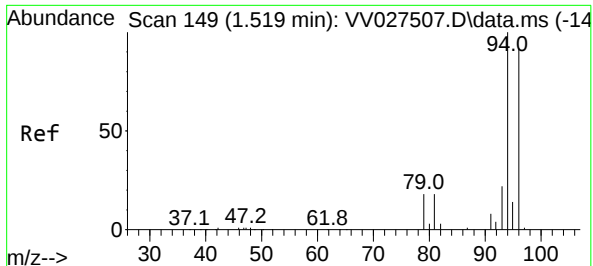
Quant Time: Aug 26 02:02:28 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Aug 26 01:50:00 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 120379   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.853  | 117   | 118953   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 50774    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 32718    | 3.819    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 76.400%  |
| 7) Chloroethane-d5            | 1.564  | 69    | 30814    | 4.914    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 98.200%  |
| 11) 1,1-Dichloroethene-d2     | 2.104  | 63    | 59395    | 2.973    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 59.400%# |
| 20) 2-Butanone-d5             | 3.899  | 46    | 37886    | 35.533   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 71.060%  |
| 24) Chloroform-d              | 4.346  | 84    | 73173    | 4.271    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 31815    | 4.293    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 85.800%  |
| 32) Benzene-d6                | 5.050  | 84    | 124339   | 3.774    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 75.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 40053    | 4.181    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 83.600%  |
| 41) Toluene-d8                | 7.317  | 98    | 99588    | 3.348    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 67.000%# |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79    | 11961    | 3.647    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 73.000%  |
| 46) 2-Hexanone-d5             | 8.091  | 63    | 41395    | 38.341   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 76.680%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 24993    | 4.097    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 82.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 33034    | 4.389    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 87.800%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 6) Bromomethane               | 1.523  | 94    | 713      | 0.128    | ug/L   | 71       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 1051     | 0.115    | ug/L # | 1        |
| 17) Methyl tert-butyl Ether   | 2.773  | 73    | 2822     | 0.150    | ug/L # | 83       |
| 18) trans-1,2-Dichloroethene  | 2.760  | 96    | 2524     | 0.269    | ug/L   | 81       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 12101    | 1.210    | ug/L   | 94       |
| 25) Chloroform                | 4.368  | 83    | 2127     | 0.101    | ug/L   | 93       |
| 34) Trichloroethene           | 5.911  | 95    | 102628   | 9.861    | ug/L   | 95       |
| 35) Methylcyclohexane         | 6.069  | 83    | 10102    | 0.690    | ug/L # | 15       |
| 37) 1,2-Dichloropropane       | 6.069  | 63    | 4890     | 0.464    | ug/L # | 87       |
| 47) Tetrachloroethene         | 7.976  | 164   | 29523    | 3.641    | ug/L   | 94       |
| 49) Dibromochloromethane      | 7.976  | 129   | 28741    | 3.467    | ug/L # | 9        |
| 61) 1,2,3-Trichloropropane    | 11.249 | 75    | 5715     | 1.283    | ug/L # | 66       |
| -----                         |        |       |          |          |        |          |

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

Quant Time: Aug 26 02:02:28 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Fri Aug 26 01:50:00 2022  
Response via : Initial Calibration

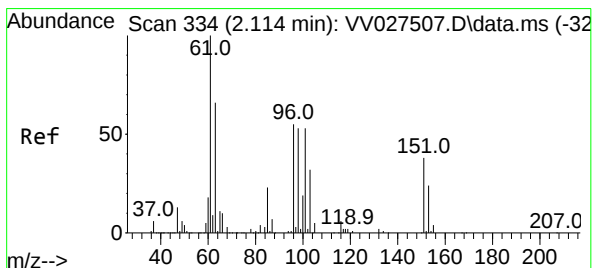
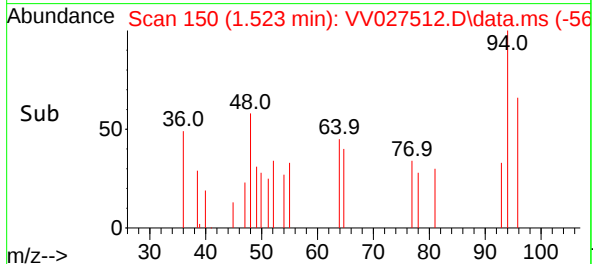
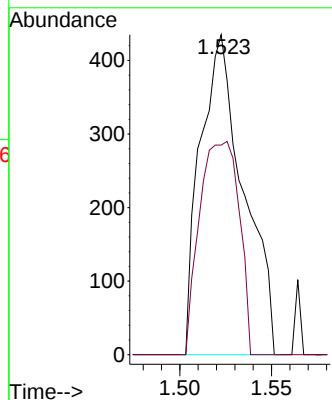
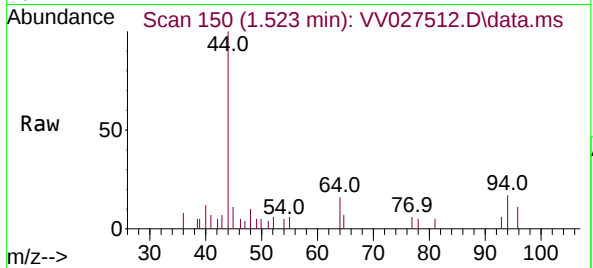




#6  
Bromomethane  
Concen: 0.128 ug/L  
RT: 1.523 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

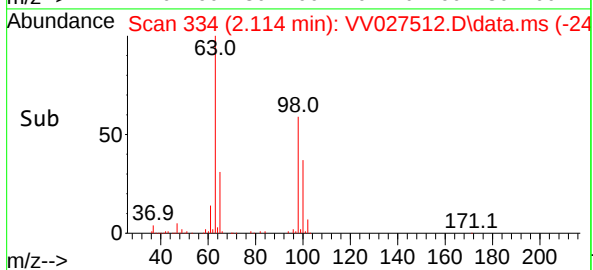
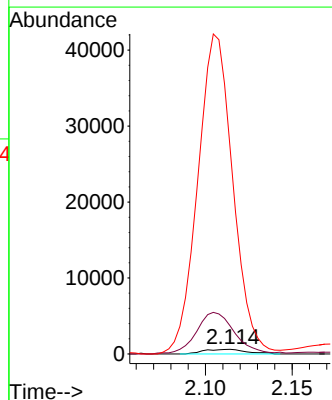
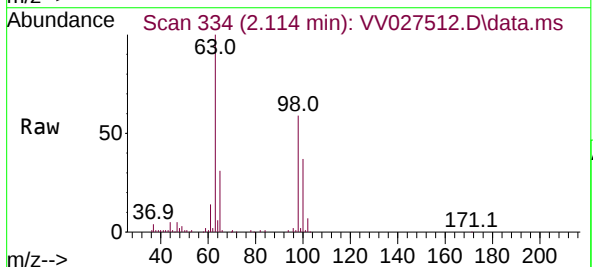
Instrument :  
MSVOA\_V  
ClientSampleId :

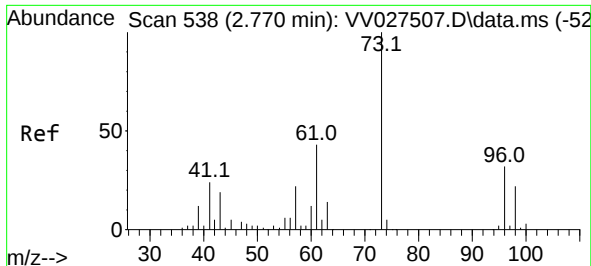
Tgt Ion: 94 Resp: 713  
Ion Ratio Lower Upper  
94 100  
96 65.5 65.2 121.0



#12  
1,1-Dichloroethene  
Concen: 0.115 ug/L  
RT: 2.114 min Scan# 334  
Delta R.T. -0.000 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

Tgt Ion: 96 Resp: 1051  
Ion Ratio Lower Upper  
96 100  
61 601.3 130.2 241.8#  
63 4403.3 87.4 162.4#

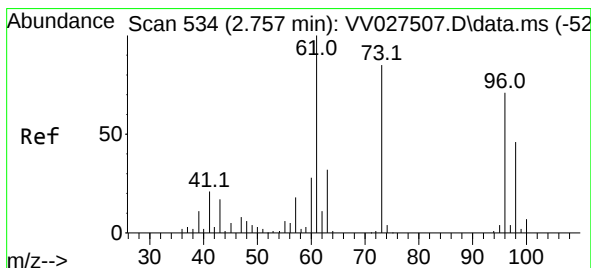
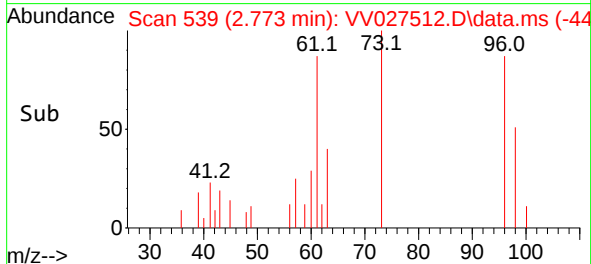
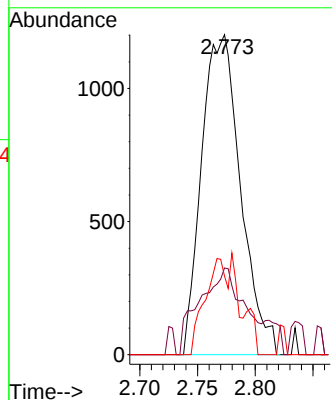
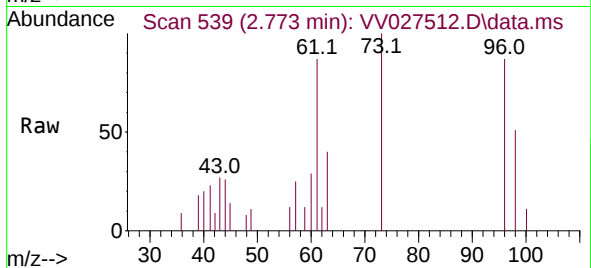




#17  
Methyl tert-butyl Ether  
Concen: 0.150 ug/L  
RT: 2.773 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

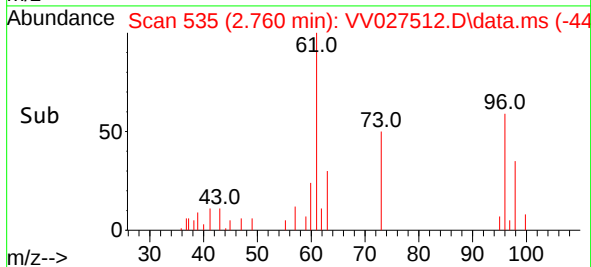
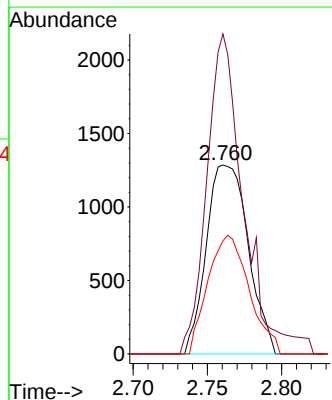
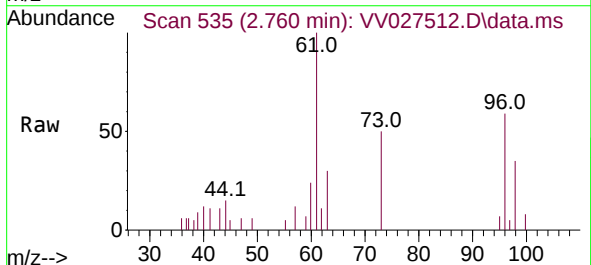
Instrument :  
MSVOA\_V  
ClientSampleId :

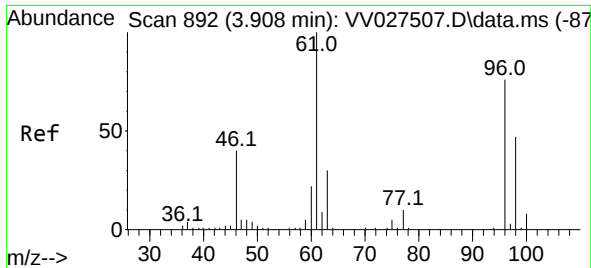
Tgt Ion: 73 Resp: 2822  
Ion Ratio Lower Upper  
73 100  
43 31.1 15.6 23.4#  
57 17.0 17.0 25.6#



#18  
trans-1,2-Dichloroethene  
Concen: 0.269 ug/L  
RT: 2.760 min Scan# 535  
Delta R.T. 0.003 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

Tgt Ion: 96 Resp: 2524  
Ion Ratio Lower Upper  
96 100  
61 169.3 97.6 181.4  
98 59.9 45.9 85.3

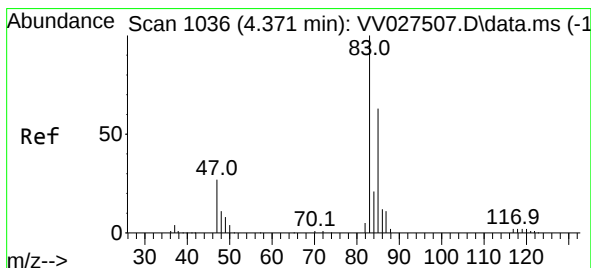
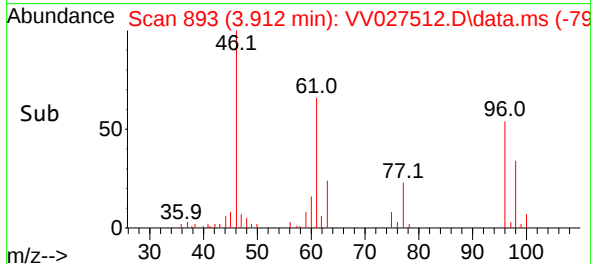
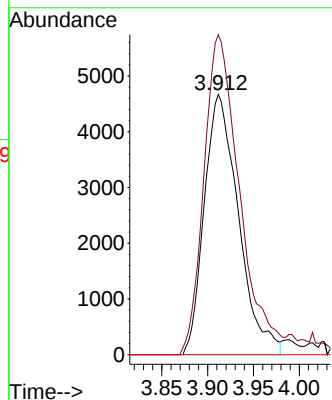
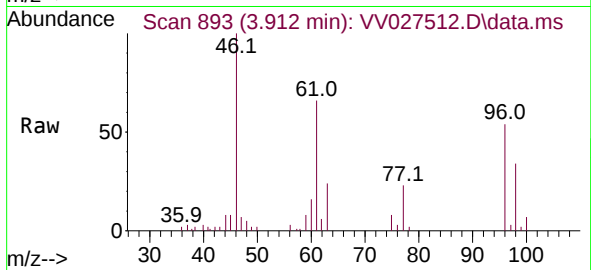




#22  
cis-1,2-Dichloroethene  
Concen: 1.210 ug/L  
RT: 3.912 min Scan# 892  
Delta R.T. 0.003 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

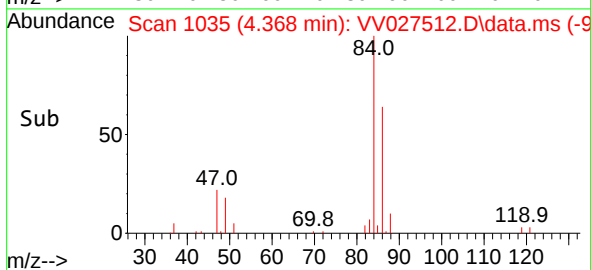
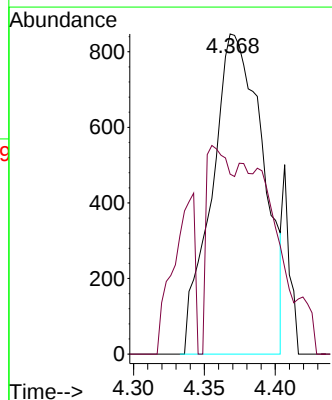
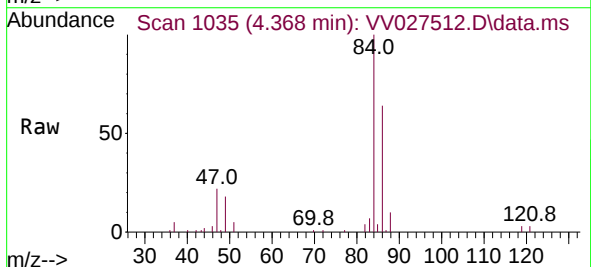
Instrument :  
MSVOA\_V  
ClientSampleId :

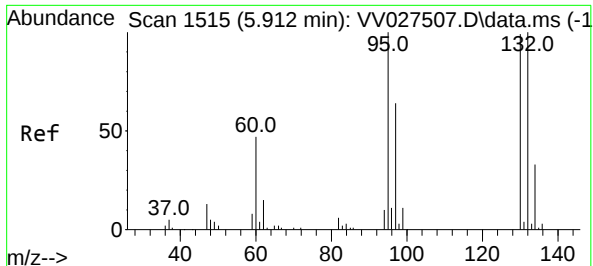
Tgt Ion: 96 Resp: 12101  
Ion Ratio Lower Upper  
96 100  
61 123.0 90.6 168.2  
68 0.0 0.0 0.0



#25  
Chloroform  
Concen: 0.101 ug/L  
RT: 4.368 min Scan# 1035  
Delta R.T. -0.003 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

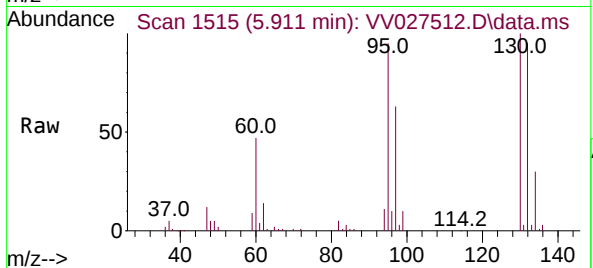
Tgt Ion: 83 Resp: 2127  
Ion Ratio Lower Upper  
83 100  
85 56.2 43.3 80.5





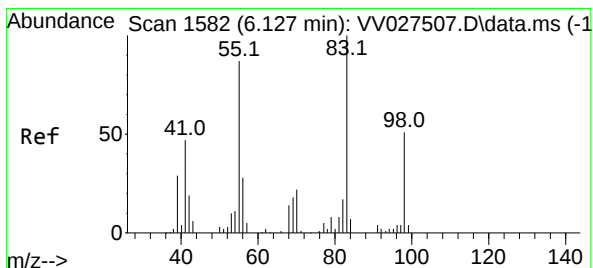
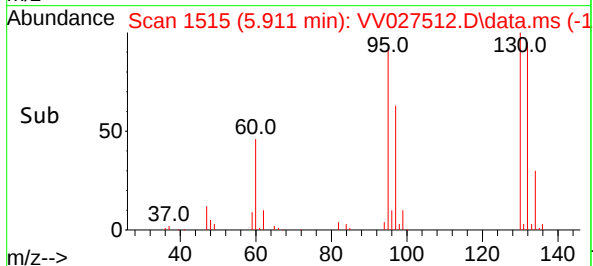
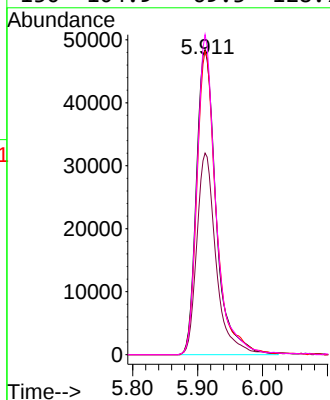
#34  
Trichloroethene  
Concen: 9.861 ug/L  
RT: 5.911 min Scan# 1515  
Delta R.T. -0.000 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion: 95 Resp: 102628

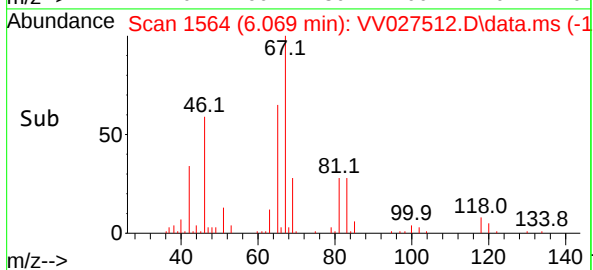
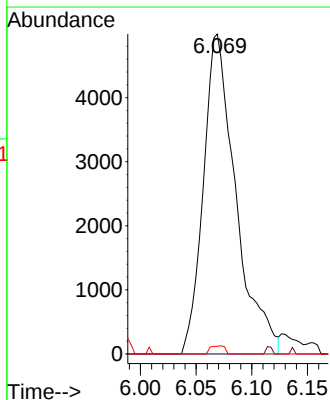
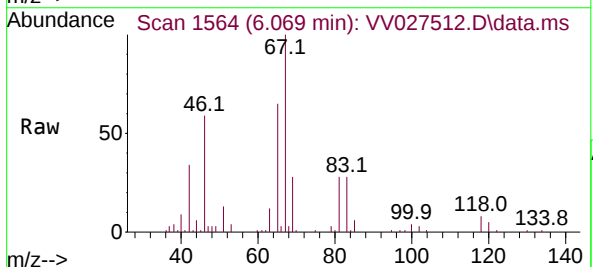
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 66.1  | 45.0  | 83.6  |
| 132 | 99.5  | 65.7  | 121.9 |
| 130 | 104.9 | 69.3  | 128.7 |

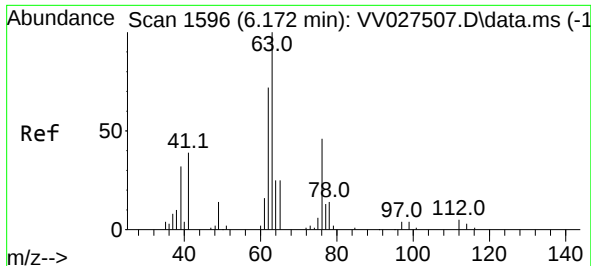


#35  
Methylcyclohexane  
Concen: 0.690 ug/L  
RT: 6.069 min Scan# 1564  
Delta R.T. -0.058 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

Tgt Ion: 83 Resp: 10102

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 0.4   | 68.2  | 102.4# |
| 98  | 1.1   | 39.0  | 58.4#  |

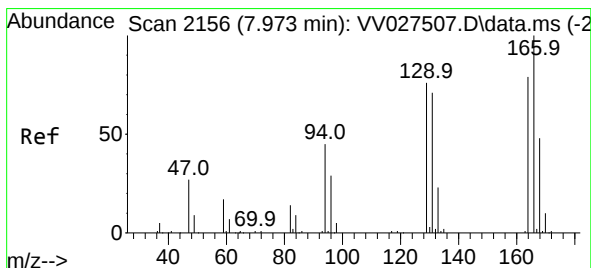
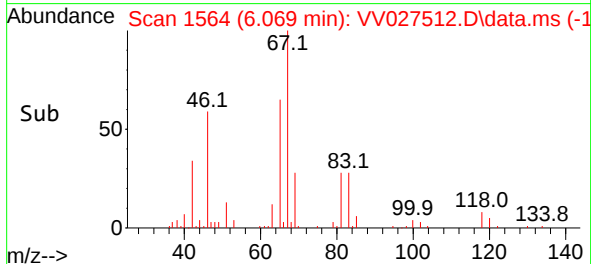
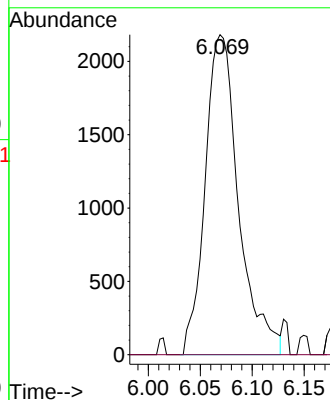
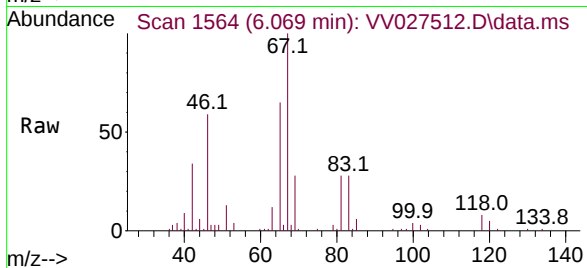




#37  
1,2-Dichloropropane  
Concen: 0.464 ug/L  
RT: 6.069 min Scan# 11  
Delta R.T. -0.103 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

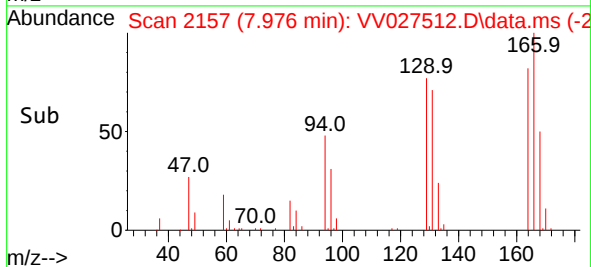
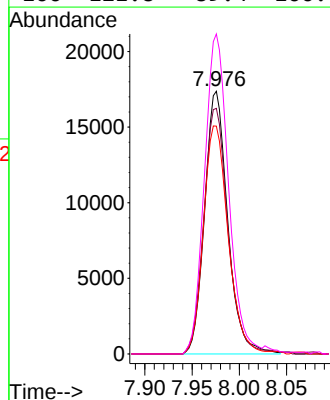
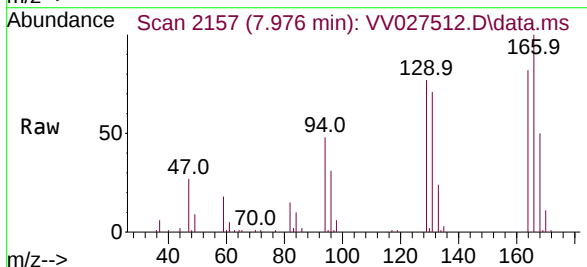
Instrument :  
MSVOA\_V  
ClientSampleId :

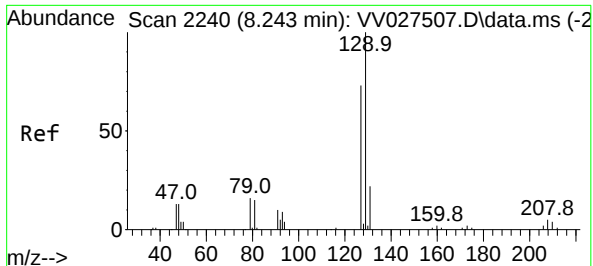
Tgt Ion: 63 Resp: 4890  
Ion Ratio Lower Upper  
63 100  
112 0.5 3.9 5.9#



#47  
Tetrachloroethene  
Concen: 3.641 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.003 min  
Lab File: VV027512.D  
Acq: 25 Aug 2022 22:45

Tgt Ion:164 Resp: 29523  
Ion Ratio Lower Upper  
164 100  
129 93.5 71.1 132.1  
131 86.7 64.5 119.9  
166 121.8 89.4 166.0





#49

Dibromochloromethane

Concen: 3.467 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. -0.267 min

Lab File: VV027512.D

Acq: 25 Aug 2022 22:45

Instrument :

MSVOA\_V

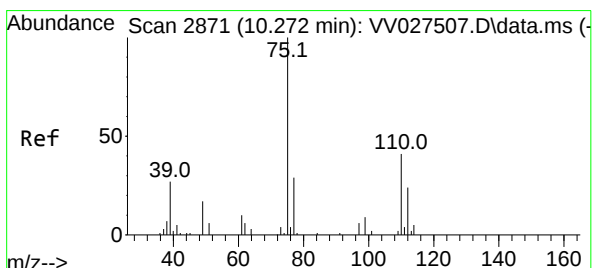
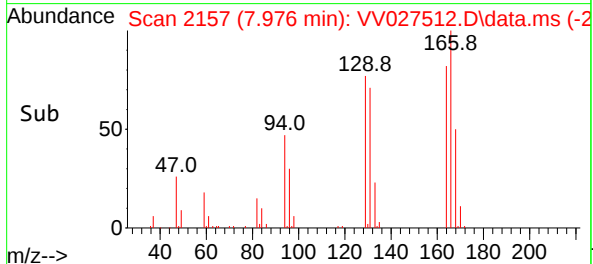
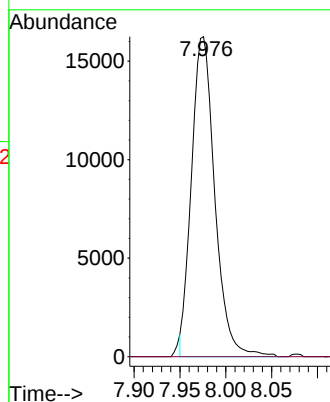
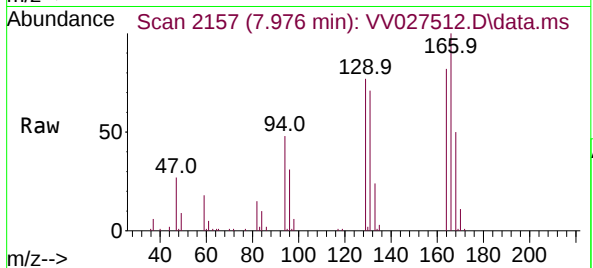
ClientSampleId :

Tgt Ion:129 Resp: 28741

Ion Ratio Lower Upper

129 100

127 0.0 55.9 103.7#



#61

1,2,3-Trichloropropane

Concen: 1.283 ug/L

RT: 11.249 min Scan# 3175

Delta R.T. 0.977 min

Lab File: VV027512.D

Acq: 25 Aug 2022 22:45

Tgt Ion: 75 Resp: 5715

Ion Ratio Lower Upper

75 100

77 34.7 26.2 39.2

110 1.6 29.9 44.9#

