

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV012822\  
 Data File : VV024490.D  
 Acq On : 28 Jan 2022 16:47  
 Operator : SY/MD  
 Sample : VV0128WBL03  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VBLK300

Quant Time: Jan 29 03:51:22 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012622WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Jan 29 03:50:16 2022  
 Response via : Initial Calibration

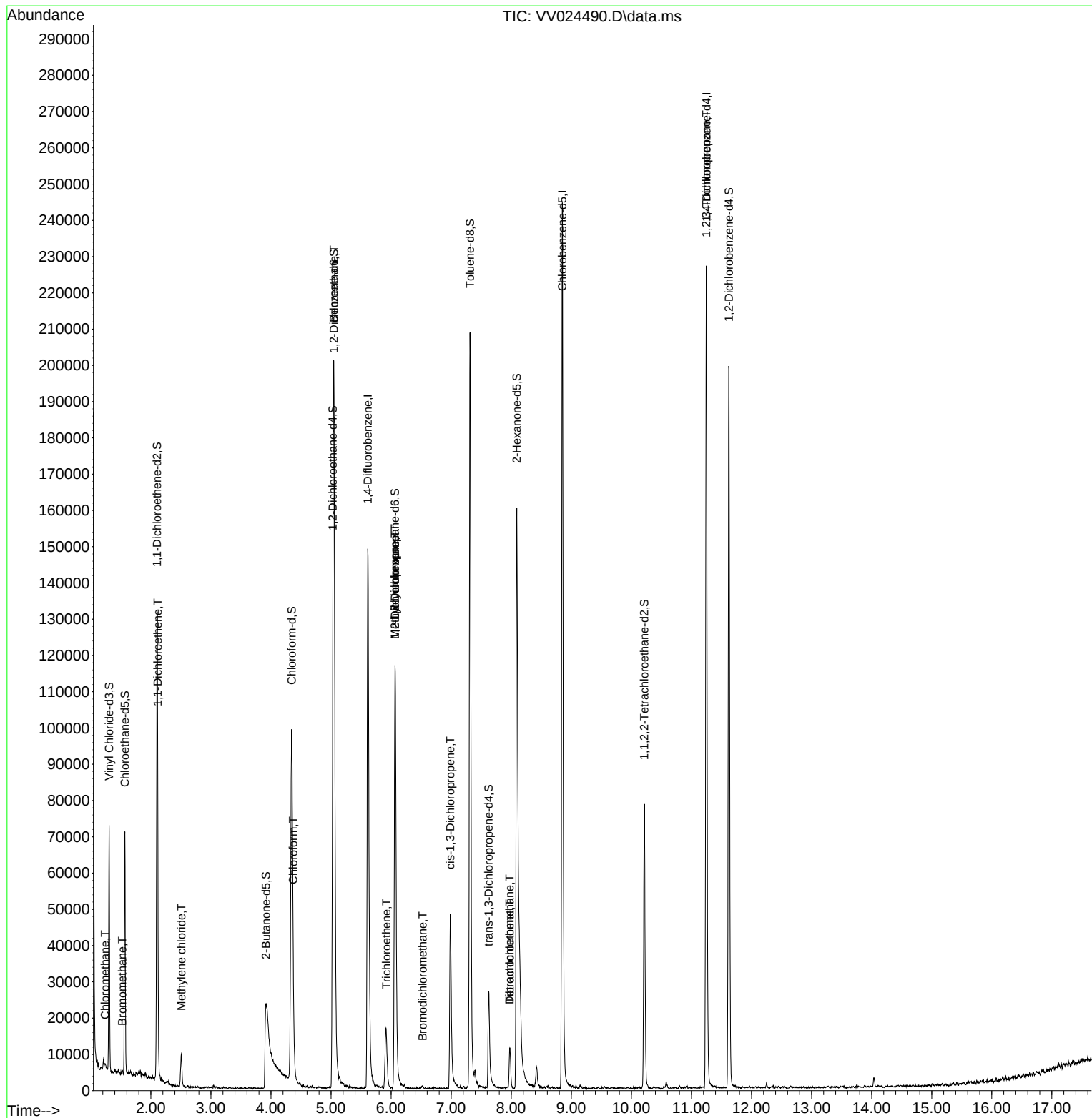
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.613  | 114   | 129907   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 137221   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 62047    | 5.000    | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 42186    | 3.707    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 74.200%  |
| 7) Chloroethane-d5            | 1.568  | 69    | 41850    | 4.215    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 84.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 67919    | 3.122    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 62.400%  |
| 20) 2-Butanone-d5             | 3.918  | 46    | 57729    | 31.826   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 63.660%  |
| 24) Chloroform-d              | 4.346  | 84    | 103763   | 4.805    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 96.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 48173    | 4.925    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 98.600%  |
| 32) Benzene-d6                | 5.047  | 84    | 181867   | 4.438    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 88.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 61453    | 4.762    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 95.200%  |
| 41) Toluene-d8                | 7.313  | 98    | 142188   | 3.781    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 75.600%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 18232    | 4.114    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 82.200%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 70594    | 46.589   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 93.180%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 37985    | 4.945    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.000%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 54673    | 5.139    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 102.800% |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.240  | 50    | 806      | 0.061    | ug/L   | 92       |
| 6) Bromomethane               | 1.523  | 94    | 814      | 0.097    | ug/L   | 89       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 1560     | 0.160    | ug/L # | 1        |
| 16) Methylene chloride        | 2.510  | 84    | 3510     | 0.351    | ug/L   | 97       |
| 25) Chloroform                | 4.368  | 83    | 4179     | 0.211    | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 5.050  | 62    | 1102     | 0.117    | ug/L # | 73       |
| 34) Trichloroethene           | 5.921  | 95    | 4734     | 0.456    | ug/L   | 93       |
| 35) Methylcyclohexane         | 6.063  | 83    | 14896    | 0.973    | ug/L # | 19       |
| 37) 1,2-Dichloropropane       | 6.063  | 63    | 6400     | 0.709    | ug/L # | 84       |
| 38) Bromodichloromethane      | 6.526  | 83    | 627      | 0.051    | ug/L # | 58       |
| 39) cis-1,3-Dichloropropene   | 6.985  | 75    | 1397     | 0.115    | ug/L # | 46       |
| 47) Tetrachloroethene         | 7.976  | 164   | 2727     | 0.333    | ug/L   | 91       |
| 49) Dibromochloromethane      | 7.973  | 129   | 2518     | 0.332    | ug/L # | 11       |
| 61) 1,2,3-Trichloropropane    | 11.246 | 75    | 7160     | 1.862    | ug/L # | 62       |
| -----                         |        |       |          |          |        |          |

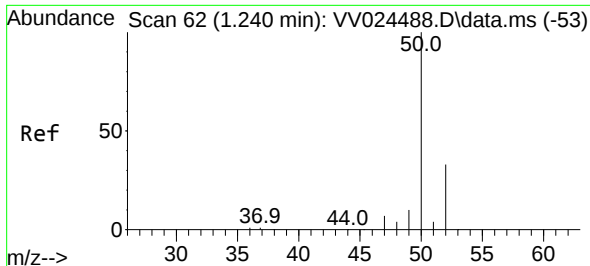
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV012822\  
Data File : VV024490.D  
Acq On : 28 Jan 2022 16:47  
Operator : SY/MD  
Sample : VV0128WBL03  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK300

Quant Time: Jan 29 03:51:22 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR012622WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Jan 29 03:50:16 2022  
Response via : Initial Calibration

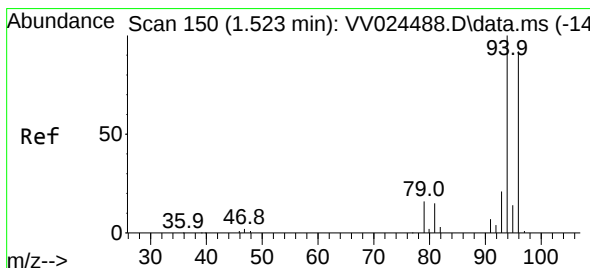
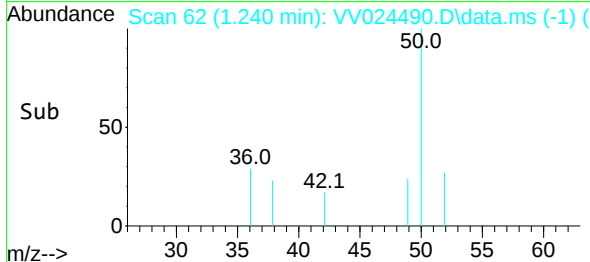
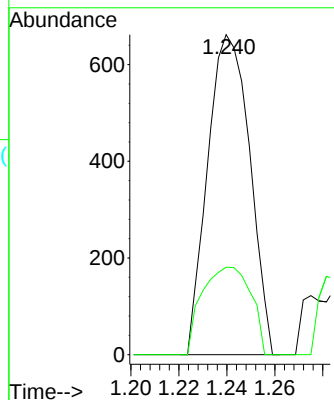
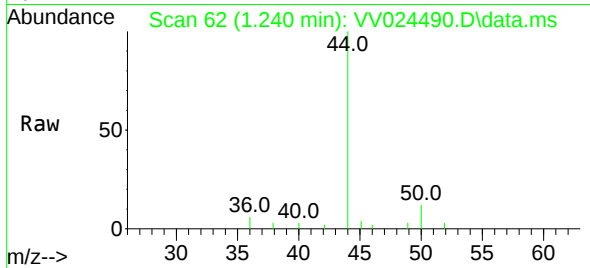




#3  
Chloromethane  
Concen: 0.061 ug/L  
RT: 1.240 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VV024490.D  
Acq: 28 Jan 2022 16:47

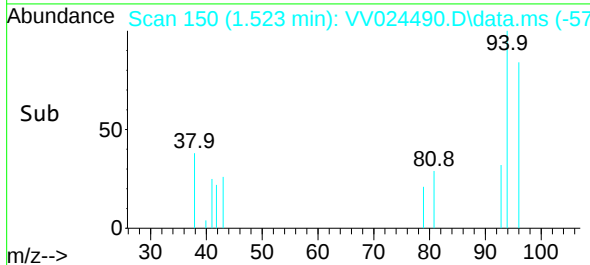
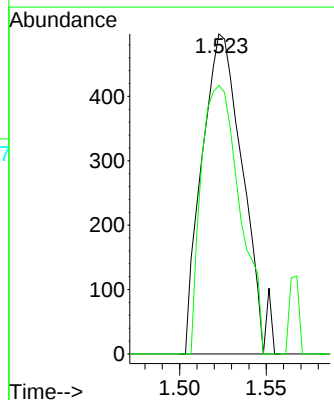
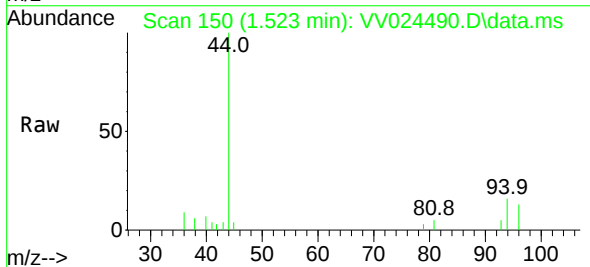
Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK300

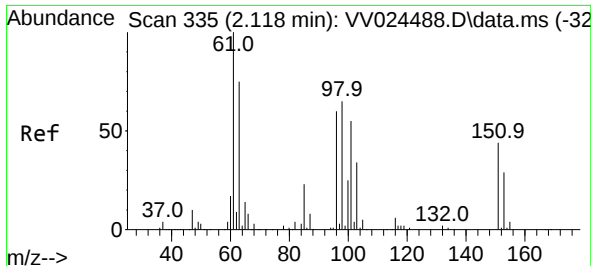
Tgt Ion: 50 Resp: 806  
Ion Ratio Lower Upper  
50 100  
52 27.3 22.0 41.0



#6  
Bromomethane  
Concen: 0.097 ug/L  
RT: 1.523 min Scan# 150  
Delta R.T. -0.000 min  
Lab File: VV024490.D  
Acq: 28 Jan 2022 16:47

Tgt Ion: 94 Resp: 814  
Ion Ratio Lower Upper  
94 100  
96 83.9 66.2 123.0





#12

1,1-Dichloroethene

Concen: 0.160 ug/L

RT: 2.114 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV024490.D

Acq: 28 Jan 2022 16:47

Instrument :

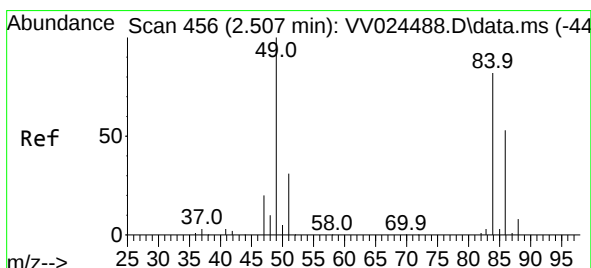
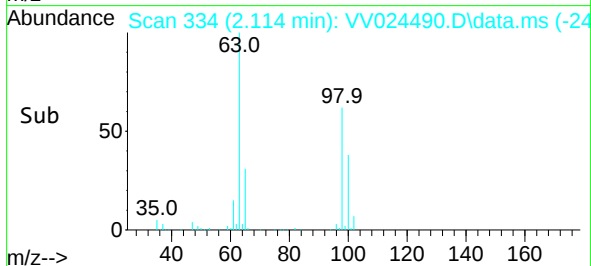
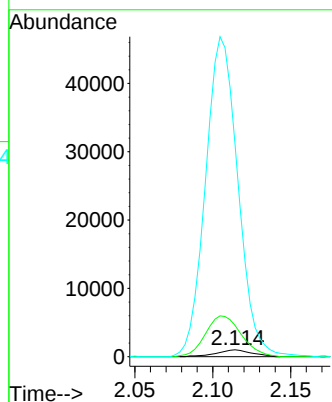
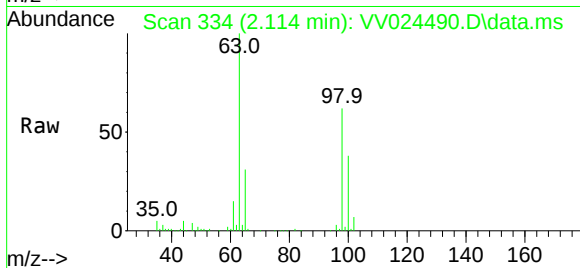
MSVOA\_V

ClientSampleId :

VBLK300

Tgt Ion: 96 Resp: 1560

| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 453.1  | 116.1 | 215.5# |
| 63  | 3079.2 | 79.4  | 147.4# |



#16

Methylene chloride

Concen: 0.351 ug/L

RT: 2.510 min Scan# 457

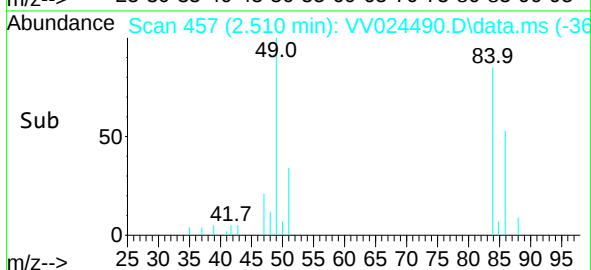
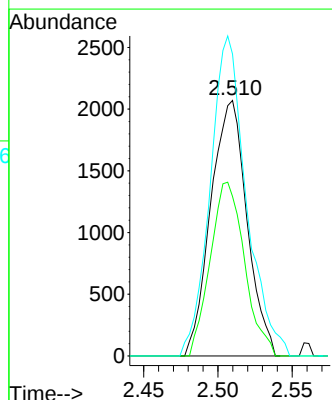
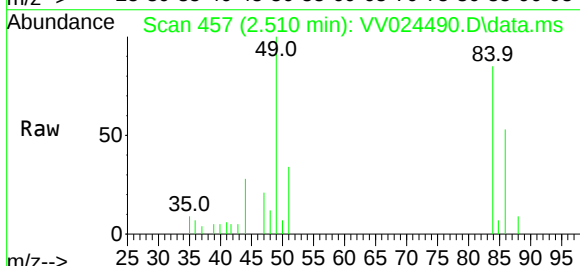
Delta R.T. 0.003 min

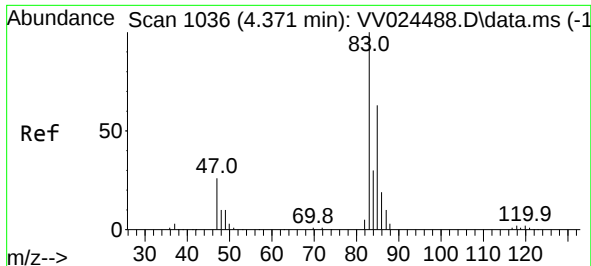
Lab File: VV024490.D

Acq: 28 Jan 2022 16:47

Tgt Ion: 84 Resp: 3510

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 62.4  | 42.6  | 79.0  |
| 49  | 118.2 | 79.7  | 147.9 |





#25

Chloroform

Concen: 0.211 ug/L

RT: 4.368 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV024490.D

Acq: 28 Jan 2022 16:47

Instrument :

MSVOA\_V

ClientSampleId :

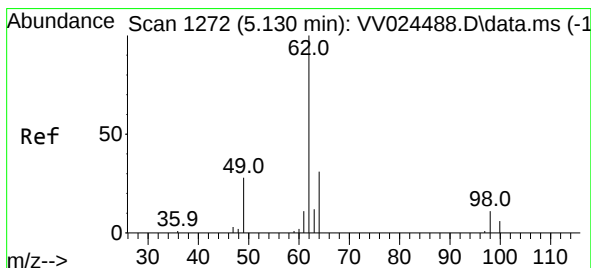
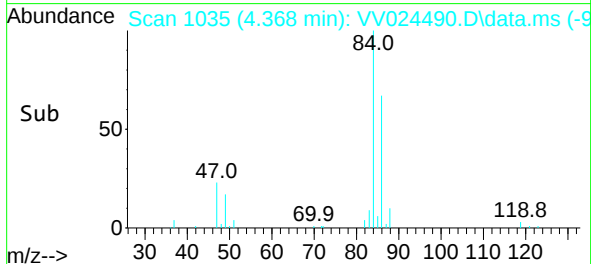
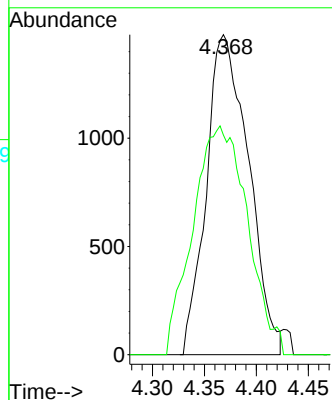
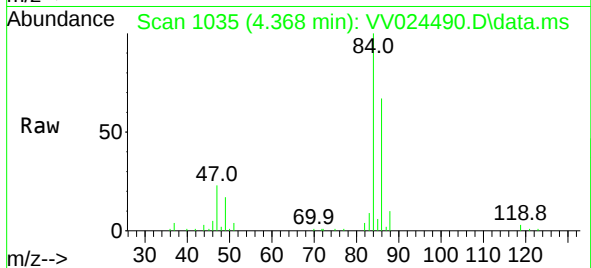
VBLK300

Tgt Ion: 83 Resp: 4179

Ion Ratio Lower Upper

83 100

85 68.7 45.2 84.0



#27

1,2-Dichloroethane

Concen: 0.117 ug/L

RT: 5.050 min Scan# 1247

Delta R.T. -0.080 min

Lab File: VV024490.D

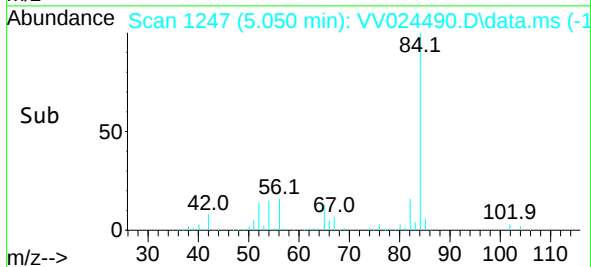
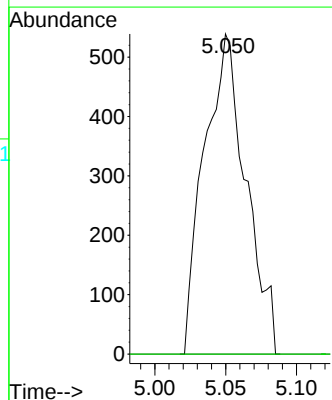
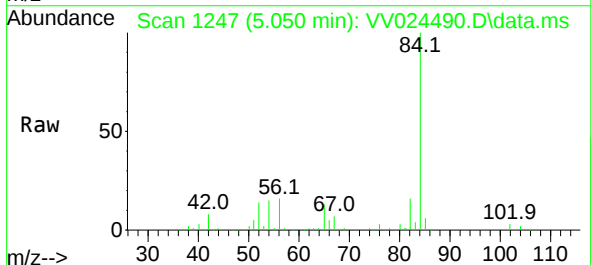
Acq: 28 Jan 2022 16:47

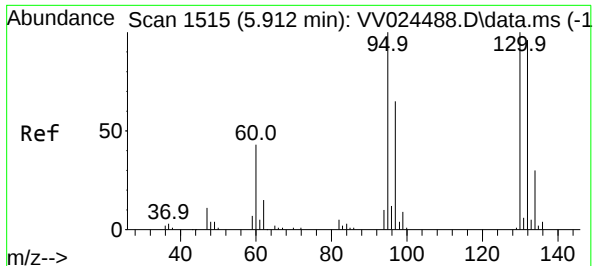
Tgt Ion: 62 Resp: 1102

Ion Ratio Lower Upper

62 100

98 0.0 8.1 12.1#



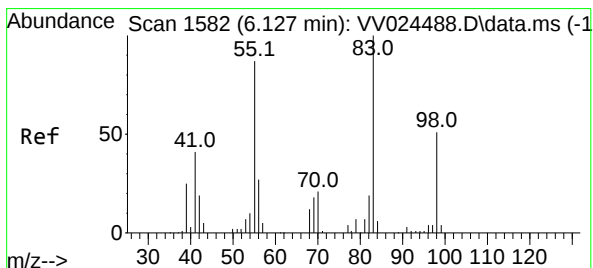
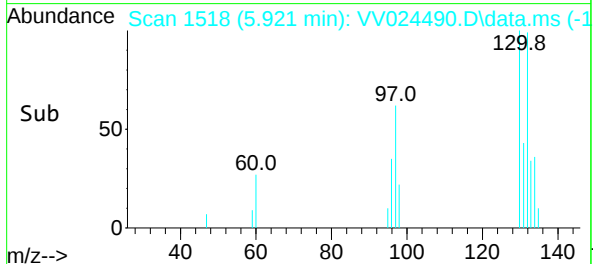
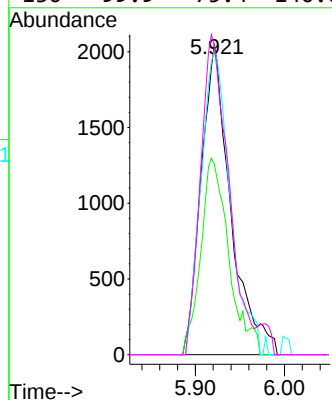
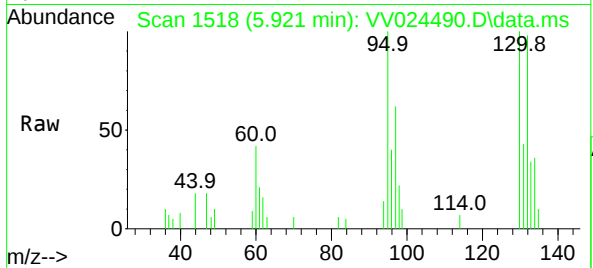


#34  
Trichloroethene  
Concen: 0.456 ug/L  
RT: 5.921 min Scan# 1518  
Delta R.T. 0.010 min  
Lab File: VV024490.D  
Acq: 28 Jan 2022 16:47

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK300

Tgt Ion: 95 Resp: 4734

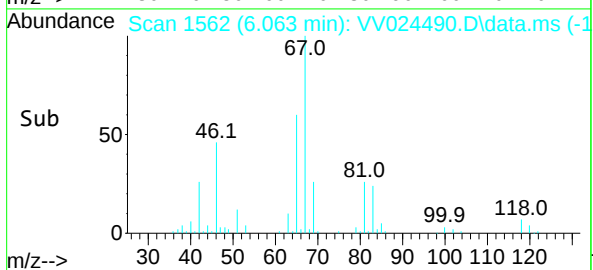
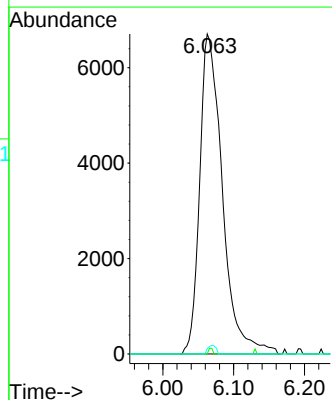
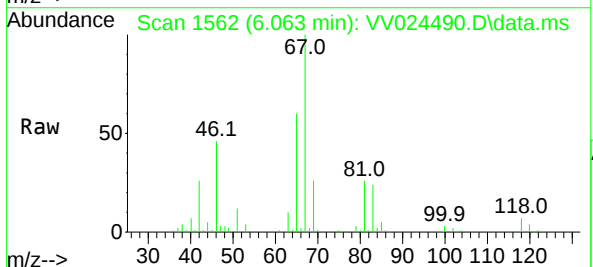
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 61.8  | 45.2  | 84.0  |
| 132 | 98.4  | 76.1  | 141.3 |
| 130 | 99.9  | 75.4  | 140.0 |

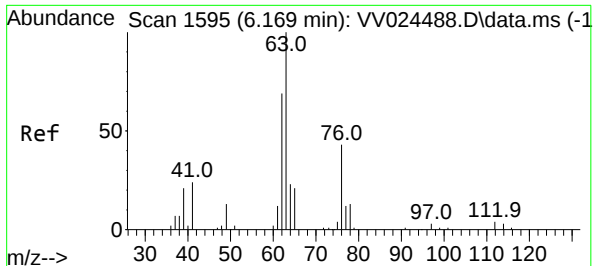


#35  
Methylcyclohexane  
Concen: 0.973 ug/L  
RT: 6.063 min Scan# 1562  
Delta R.T. -0.064 min  
Lab File: VV024490.D  
Acq: 28 Jan 2022 16:47

Tgt Ion: 83 Resp: 14896

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 0.3   | 60.2  | 90.2# |
| 98  | 1.0   | 41.0  | 61.4# |





#37

1,2-Dichloropropane

Concen: 0.709 ug/L

RT: 6.063 min Scan# 11

Delta R.T. -0.106 min

Lab File: VV024490.D

Acq: 28 Jan 2022 16:47

Instrument :

MSVOA\_V

ClientSampleId :

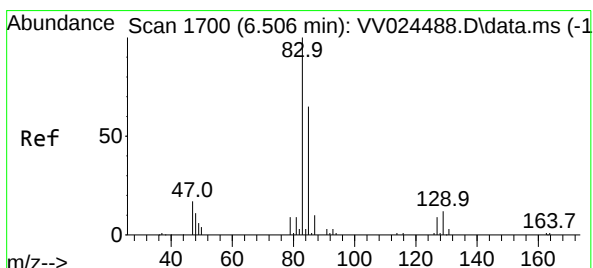
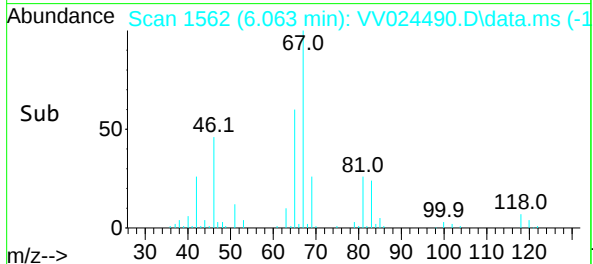
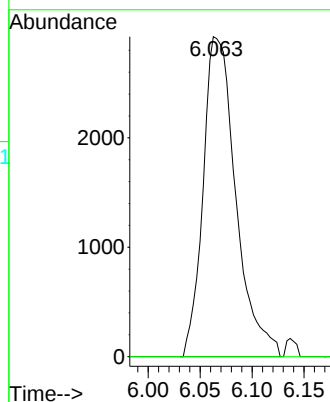
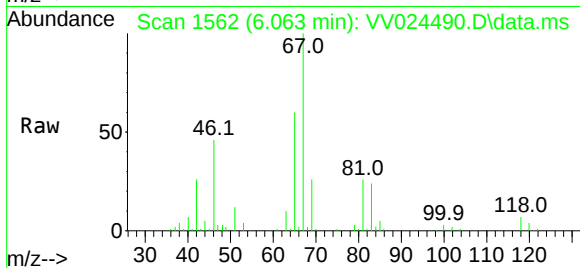
VBLK300

Tgt Ion: 63 Resp: 6400

Ion Ratio Lower Upper

63 100

112 0.0 4.3 6.5#



#38

Bromodichloromethane

Concen: 0.051 ug/L

RT: 6.526 min Scan# 1706

Delta R.T. 0.019 min

Lab File: VV024490.D

Acq: 28 Jan 2022 16:47

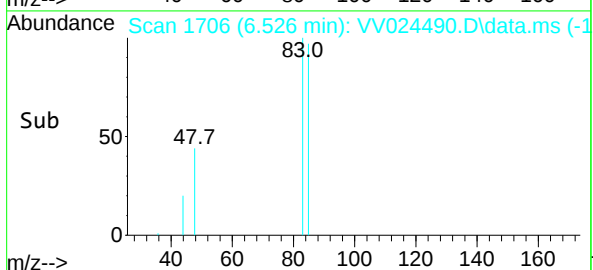
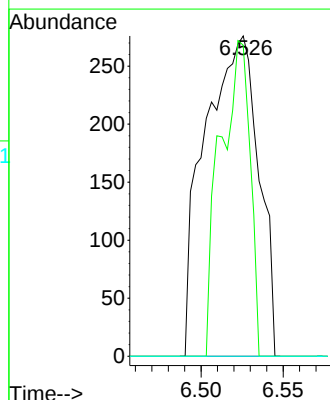
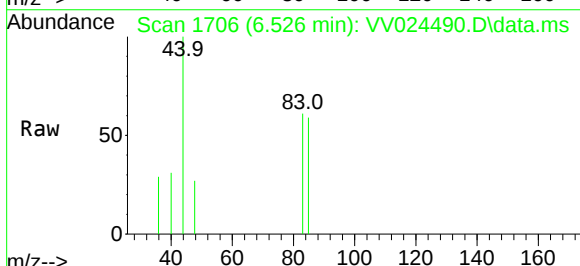
Tgt Ion: 83 Resp: 627

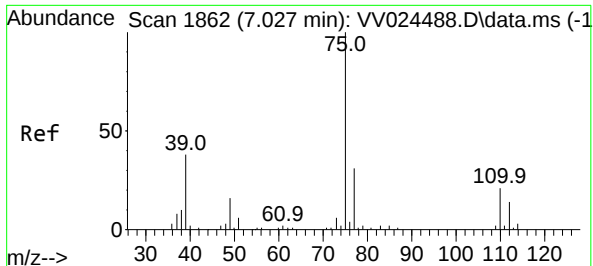
Ion Ratio Lower Upper

83 100

85 97.1 44.0 81.8#

127 0.0 8.6 12.8#





#39

cis-1,3-Dichloropropene

Concen: 0.115 ug/L

RT: 6.985 min Scan# 11

Delta R.T. -0.042 min

Lab File: VV024490.D

Acq: 28 Jan 2022 16:47

Instrument :

MSVOA\_V

ClientSampleId :

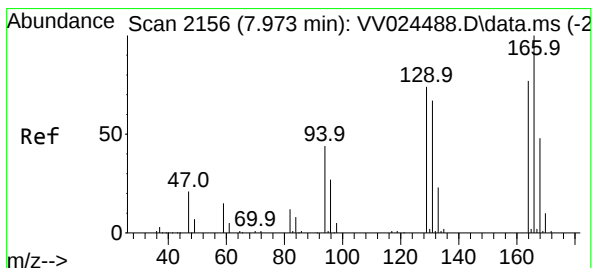
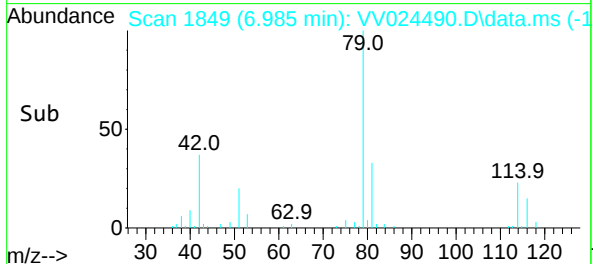
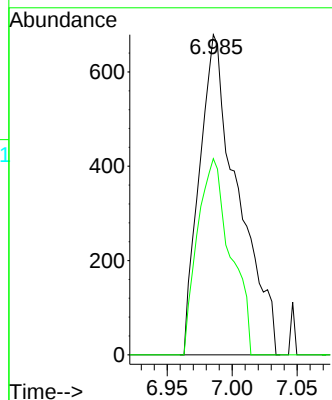
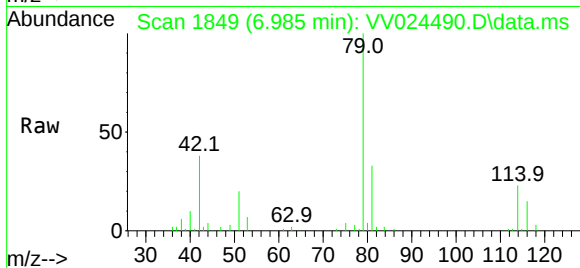
VBLK300

Tgt Ion: 75 Resp: 1397

Ion Ratio Lower Upper

75 100

77 61.3 22.0 41.0#



#47

Tetrachloroethene

Concen: 0.333 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV024490.D

Acq: 28 Jan 2022 16:47

Tgt Ion: 164 Resp: 2727

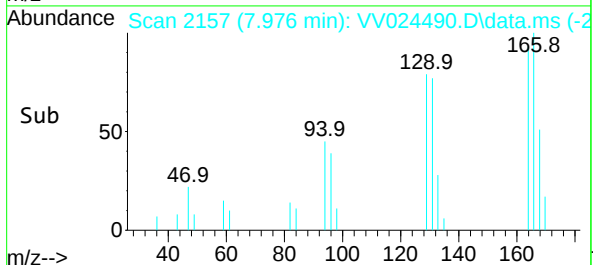
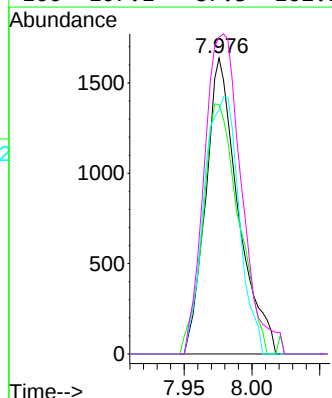
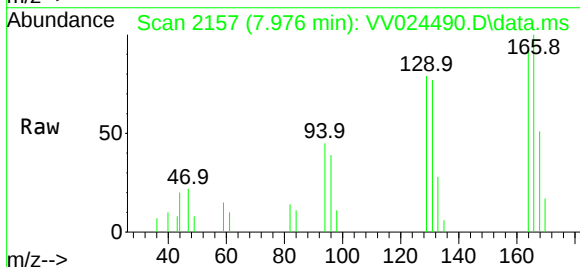
Ion Ratio Lower Upper

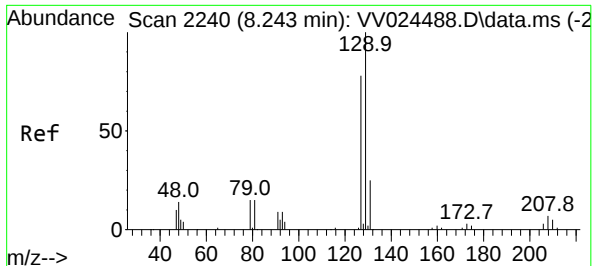
164 100

129 84.3 62.6 116.2

131 82.5 61.0 113.4

166 107.1 87.3 162.1





#49

Dibromochloromethane

Concen: 0.332 ug/L

RT: 7.973 min Scan# 2156

Delta R.T. -0.270 min

Lab File: VV024490.D

Acq: 28 Jan 2022 16:47

Instrument :

MSVOA\_V

ClientSampleId :

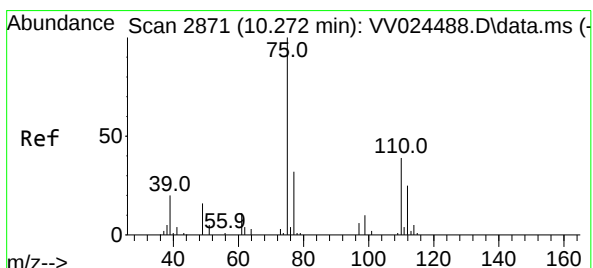
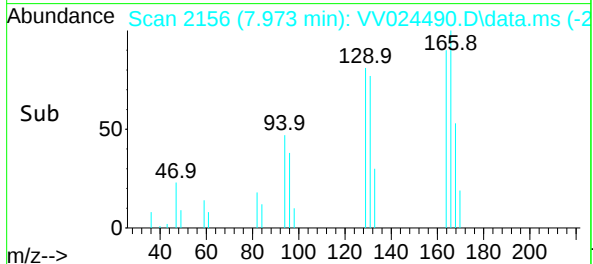
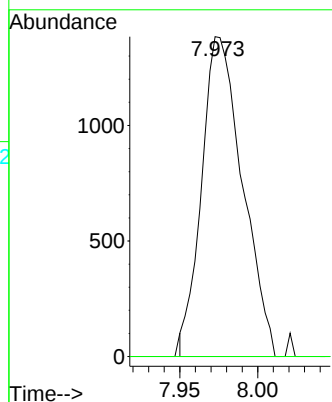
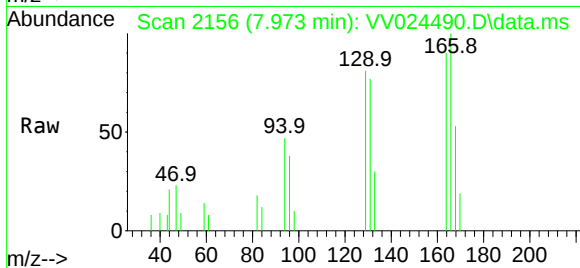
VBLK300

Tgt Ion:129 Resp: 2518

Ion Ratio Lower Upper

129 100

127 0.0 53.5 99.3#



#61

1,2,3-Trichloropropane

Concen: 1.862 ug/L

RT: 11.246 min Scan# 3174

Delta R.T. 0.974 min

Lab File: VV024490.D

Acq: 28 Jan 2022 16:47

Tgt Ion: 75 Resp: 7160

Ion Ratio Lower Upper

75 100

77 29.4 26.4 39.6

110 2.4 34.2 51.2#

