

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV041524\  
 Data File : VV035222.D  
 Acq On : 16 Apr 2024 01:18  
 Operator : SY/MD  
 Sample : P2032-15  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Apr 16 01:52:26 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR041524WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Apr 16 00:33:27 2024  
 Response via : Initial Calibration

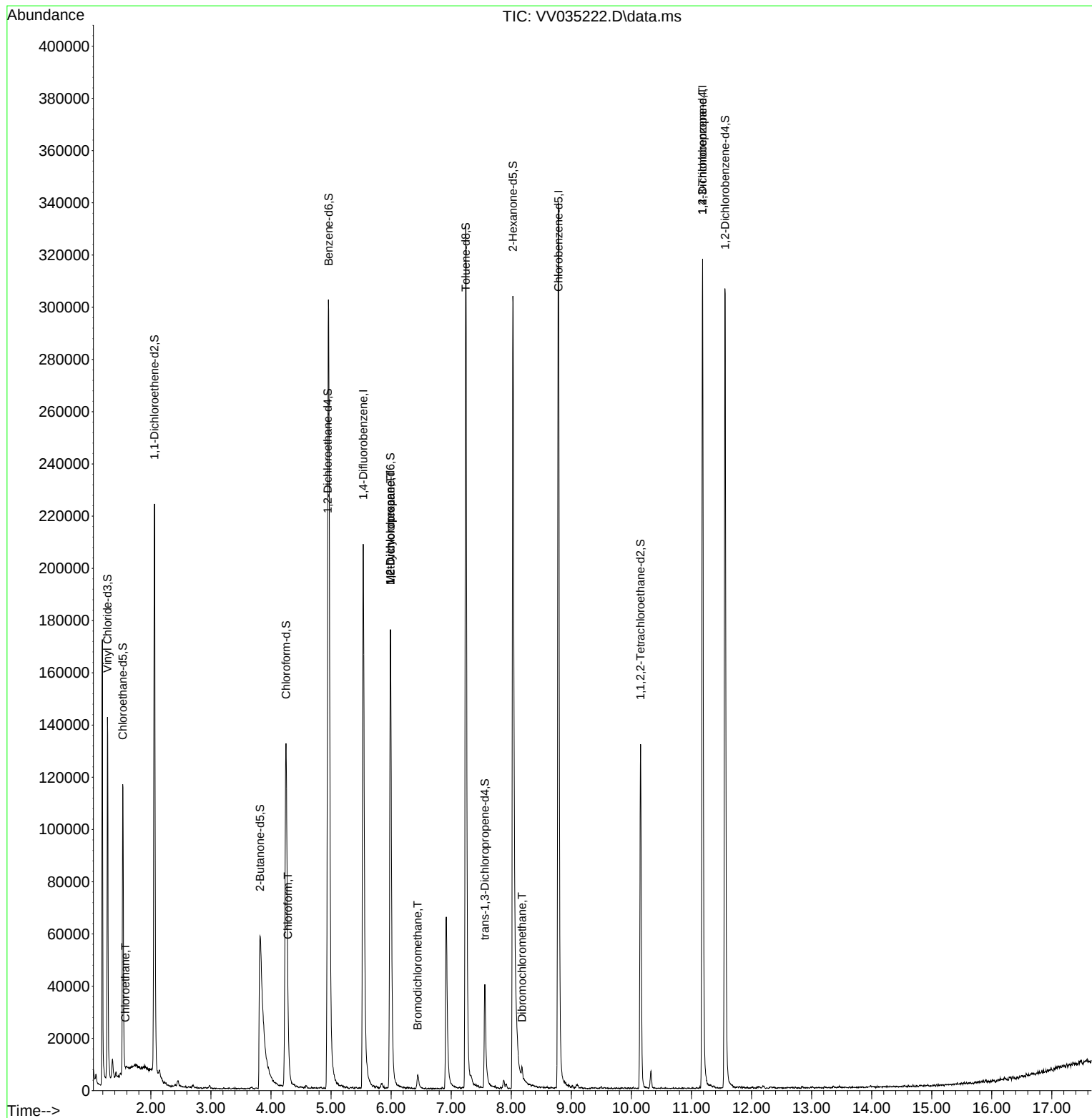
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.535  | 114   | 189948   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.786  | 117   | 191801   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.185 | 152   | 83315    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65    | 88437    | 4.972    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 99.400%  |
| 7) Chloroethane-d5            | 1.532  | 69    | 72336    | 5.235    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 104.600% |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65    | 37654    | 4.990    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 99.800%  |
| 20) 2-Butanone-d5             | 3.818  | 46    | 162279   | 53.943   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 107.880% |
| 24) Chloroform-d              | 4.249  | 84    | 143331   | 5.154    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 103.000% |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65    | 71232    | 5.382    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 107.600% |
| 32) Benzene-d6                | 4.960  | 84    | 279231   | 5.125    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 102.400% |
| 36) 1,2-Dichloropropane-d6    | 5.989  | 67    | 91082    | 5.375    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 107.600% |
| 41) Toluene-d8                | 7.243  | 98    | 229577   | 4.691    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.800%  |
| 43) trans-1,3-Dichloroprop... | 7.561  | 79    | 26400    | 4.365    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 87.400%  |
| 46) 2-Hexanone-d5             | 8.027  | 63    | 113714   | 45.145   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 90.280%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.152 | 84    | 66356    | 5.084    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 101.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.561 | 152   | 80954    | 5.466    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 109.400% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 8) Chloroethane               | 1.574  | 64    | 6550     | 0.517    | ug/L # | 57       |
| 25) Chloroform                | 4.281  | 83    | 6916     | 0.240    | ug/L   | 97       |
| 35) Methylcyclohexane         | 5.989  | 83    | 20963    | 0.878    | ug/L # | 18       |
| 37) 1,2-Dichloropropane       | 5.989  | 63    | 9952     | 0.624    | ug/L # | 88       |
| 38) Bromodichloromethane      | 6.442  | 83    | 4350     | 0.224    | ug/L   | 95       |
| 49) Dibromochloromethane      | 8.178  | 129   | 1946     | 0.170    | ug/L   | 90       |
| 61) 1,2,3-Trichloropropane    | 11.185 | 75    | 10265    | 1.227    | ug/L # | 67       |
| -----                         |        |       |          |          |        |          |

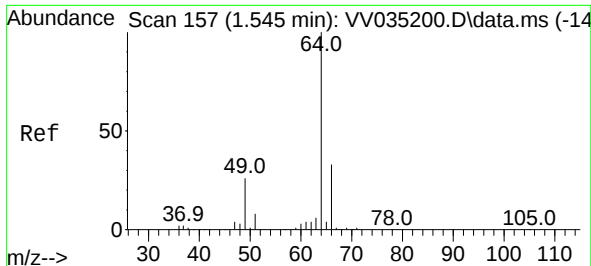
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR041524WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Apr 16 00:33:27 2024  
Response via : Initial Calibration

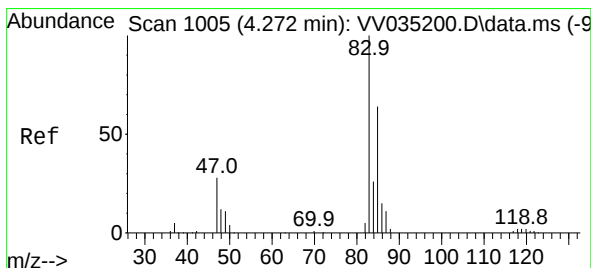
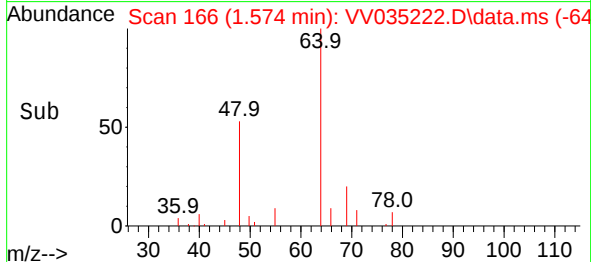
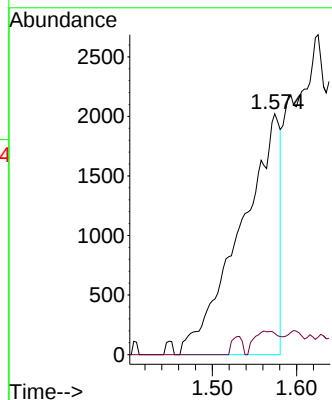
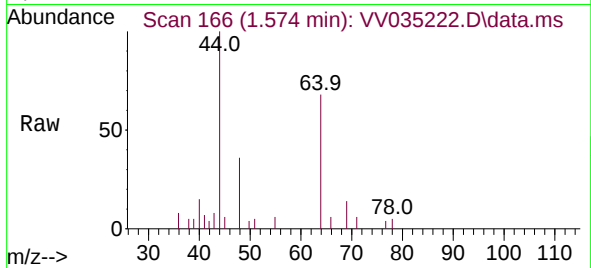




#8  
Chloroethane  
Concen: 0.517 ug/L  
RT: 1.574 min Scan# 1  
Delta R.T. 0.029 min  
Lab File: VV035222.D  
Acq: 16 Apr 2024 01:18

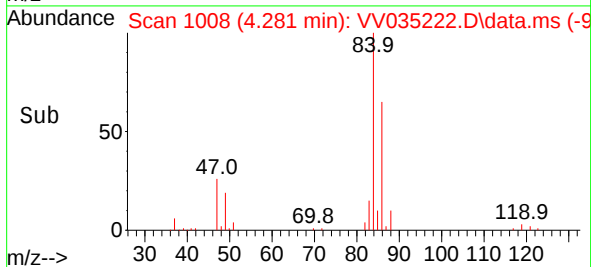
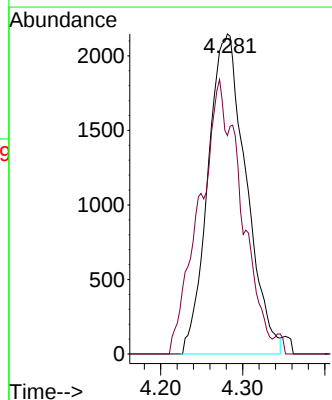
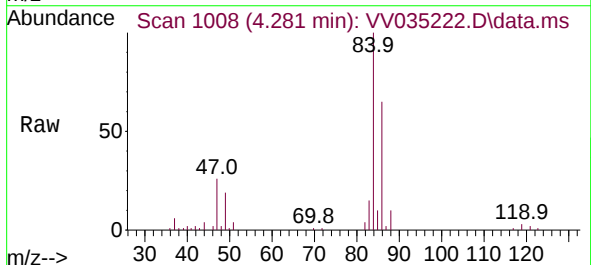
Instrument :  
MSVOA\_V  
ClientSampleId :

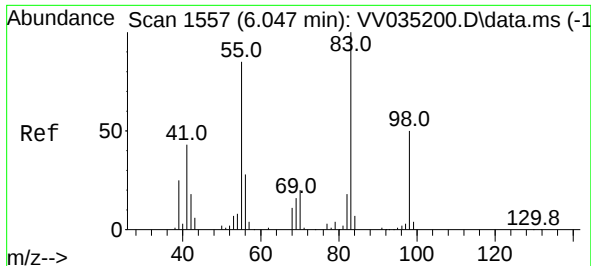
Tgt Ion: 64 Resp: 6550  
Ion Ratio Lower Upper  
64 100  
66 8.8 23.0 42.6#



#25  
Chloroform  
Concen: 0.240 ug/L  
RT: 4.281 min Scan# 1008  
Delta R.T. 0.010 min  
Lab File: VV035222.D  
Acq: 16 Apr 2024 01:18

Tgt Ion: 83 Resp: 6916  
Ion Ratio Lower Upper  
83 100  
85 68.2 46.0 85.4





#35

Methylcyclohexane

Concen: 0.878 ug/L

RT: 5.989 min Scan# 1539

Delta R.T. -0.058 min

Lab File: VV035222.D

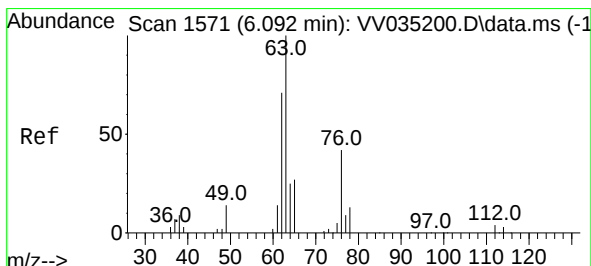
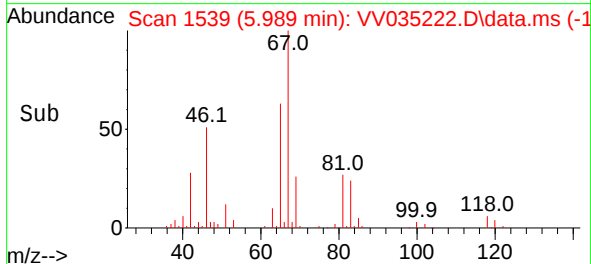
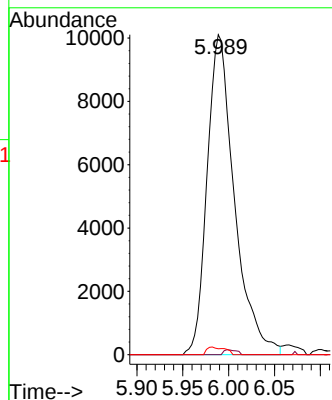
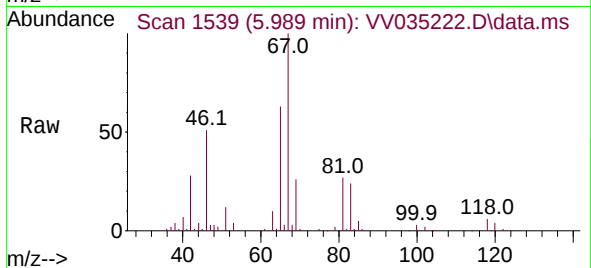
Acq: 16 Apr 2024 01:18

Instrument :

MSVOA\_V

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 20963 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 55        | 0.7   | 63.8  | 95.6# |
| 98        | 1.6   | 37.4  | 56.2# |



#37

1,2-Dichloropropane

Concen: 0.624 ug/L

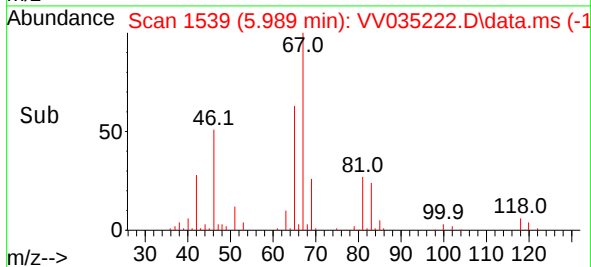
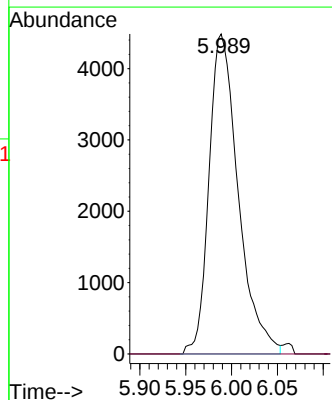
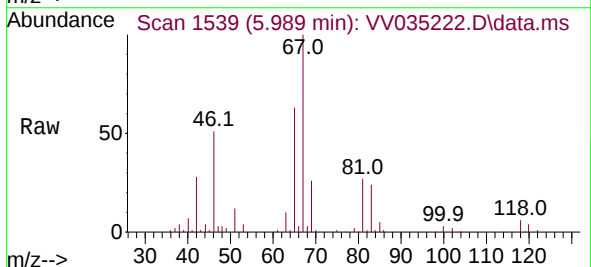
RT: 5.989 min Scan# 1539

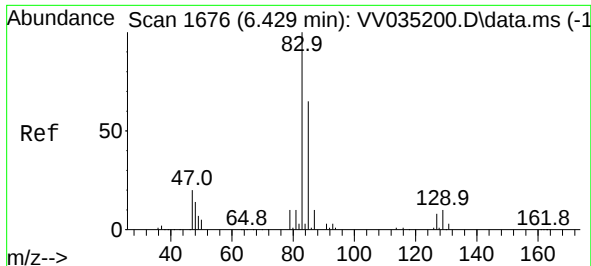
Delta R.T. -0.103 min

Lab File: VV035222.D

Acq: 16 Apr 2024 01:18

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 63    | Resp: | 9952 |
| Ion Ratio | Lower | Upper |      |
| 63        | 100   |       |      |
| 112       | 0.2   | 3.3   | 4.9# |





#38

Bromodichloromethane

Concen: 0.224 ug/L

RT: 6.442 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV035222.D

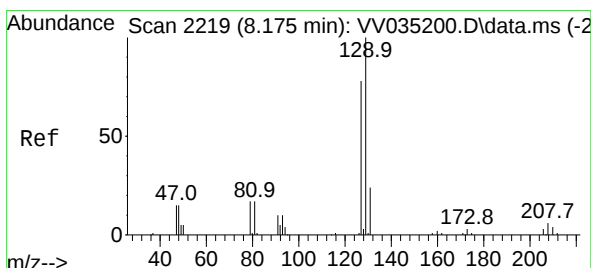
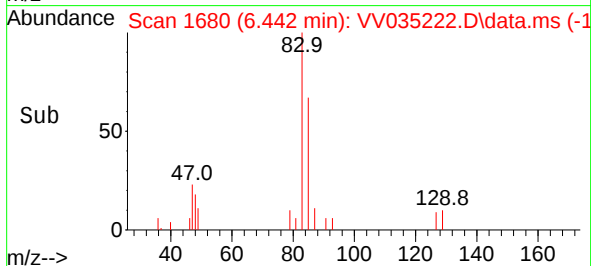
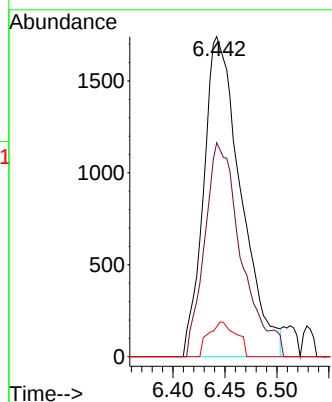
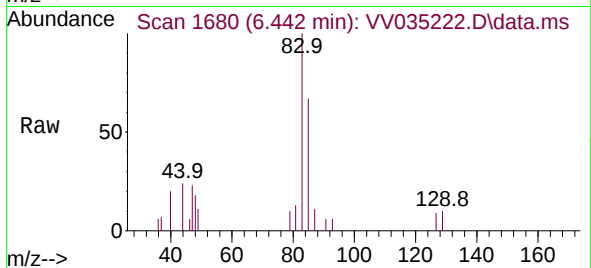
Acq: 16 Apr 2024 01:18

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 4350  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 66.9  | 43.8  | 81.4  |
| 127      | 9.4   | 6.3   | 9.5   |



#49

Dibromochloromethane

Concen: 0.170 ug/L

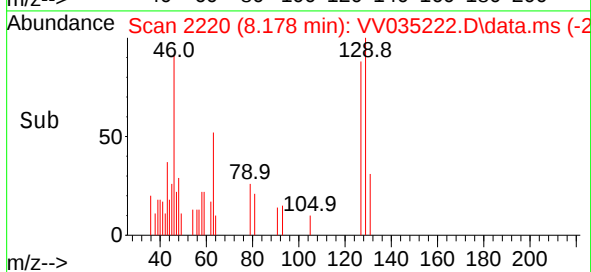
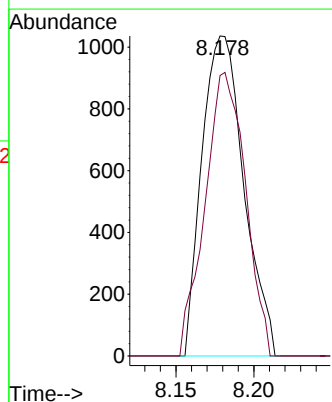
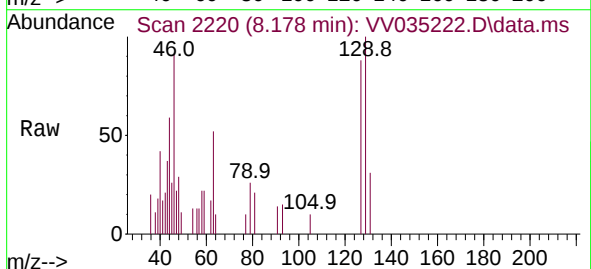
RT: 8.178 min Scan# 2220

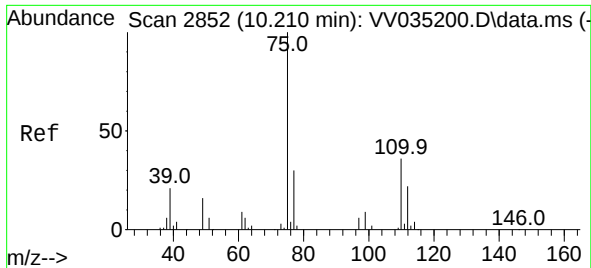
Delta R.T. 0.003 min

Lab File: VV035222.D

Acq: 16 Apr 2024 01:18

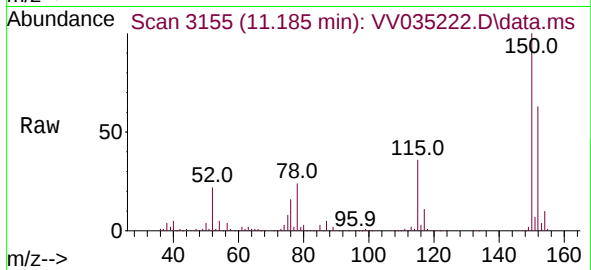
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 129   | Resp: | 1946  |
| Ion      | Ratio | Lower | Upper |
| 129      | 100   |       |       |
| 127      | 87.6  | 55.2  | 102.6 |





#61  
 1,2,3-Trichloropropane  
 Concen: 1.227 ug/L  
 RT: 11.185 min Scan# 3155  
 Delta R.T. 0.974 min  
 Lab File: VV035222.D  
 Acq: 16 Apr 2024 01:18

Instrument :  
 MSVOA\_V  
 ClientSampleId :



|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 10265      |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 77          | 33.0  | 25.3 37.9  |
| 110         | 1.8   | 29.6 44.4# |

