

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090123\  
 Data File : VU055079.D  
 Acq On : 02 Sep 2023 07:08  
 Operator : MD/SY  
 Sample : 04250-17  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 49 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4C3

Quant Time: Sep 04 01:37:00 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 02 00:23:04 2023  
 Response via : Initial Calibration

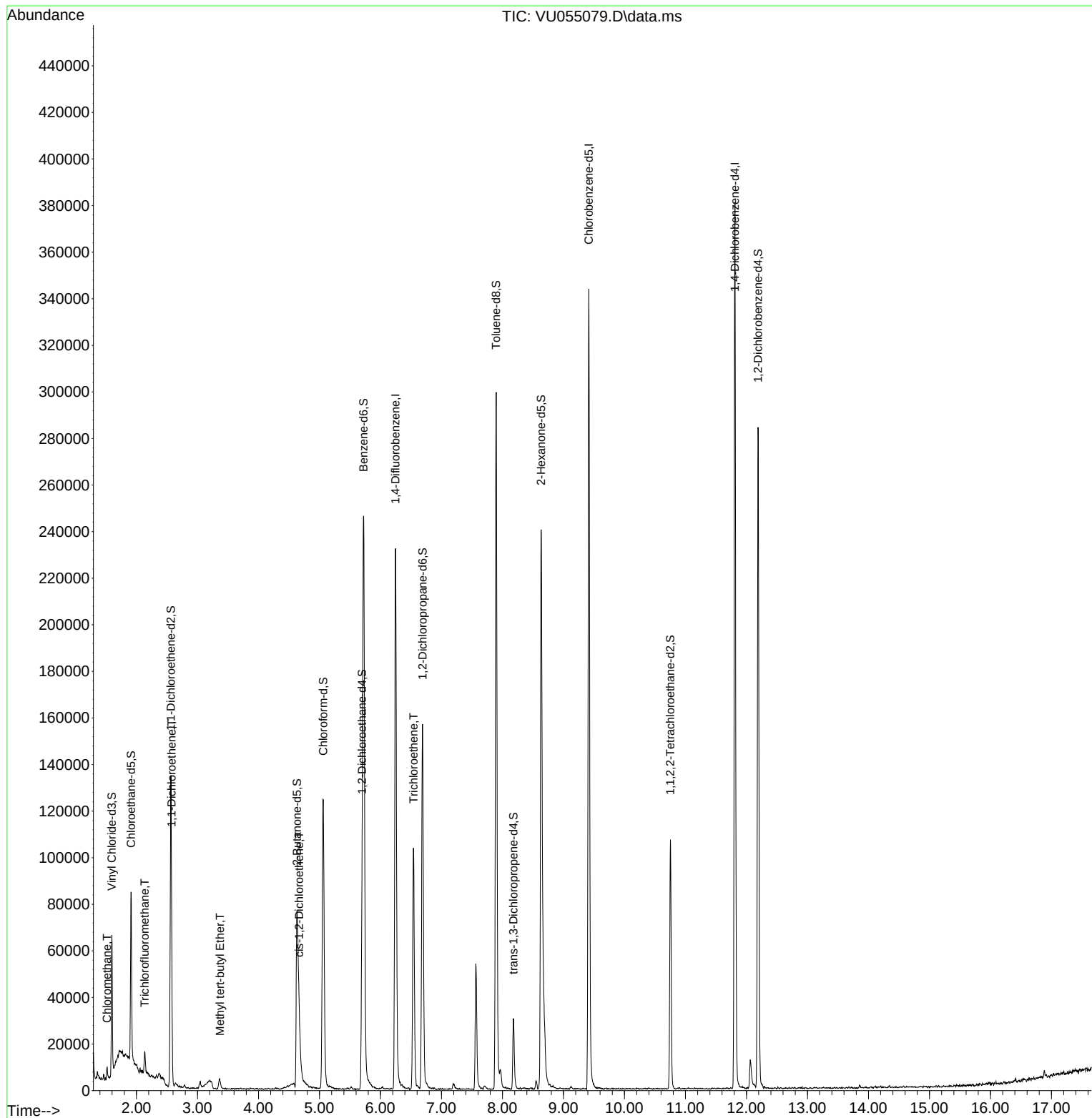
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 184294   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 190384   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 96222    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 40234    | 4.658    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 93.200%  |
| 7) Chloroethane-d5            | 1.911  | 69    | 48143    | 4.815    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 96.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 25162    | 5.113    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 102.200% |
| 20) 2-Butanone-d5             | 4.631  | 46    | 129976   | 51.855   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 103.700% |
| 24) Chloroform-d              | 5.062  | 84    | 116480   | 5.082    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.600% |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 57597    | 5.023    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 100.400% |
| 32) Benzene-d6                | 5.724  | 84    | 233549   | 4.970    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 99.400%  |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 76435    | 5.114    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 102.200% |
| 41) Toluene-d8                | 7.894  | 98    | 205710   | 4.752    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 95.000%  |
| 43) trans-1,3-Dichloroprop... | 8.181  | 79    | 17641    | 4.286    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 85.800%  |
| 46) 2-Hexanone-d5             | 8.634  | 63    | 77167    | 46.177   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 92.360%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 52475    | 4.992    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.800%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 73549    | 5.237    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 104.800% |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 3) Chloromethane              | 1.518  | 50    | 2865     | 0.263    | ug/L   | 86       |
| 9) Trichlorofluoromethane     | 2.136  | 101   | 5489     | 0.328    | ug/L   | 94       |
| 12) 1,1-Dichloroethene        | 2.573  | 96    | 2732     | 0.321    | ug/L # | 1        |
| 17) Methyl tert-butyl Ether   | 3.367  | 73    | 4389     | 0.196    | ug/L # | 88       |
| 22) cis-1,2-Dichloroethene    | 4.666  | 96    | 5641     | 0.533    | ug/L   | 95       |
| 34) Trichloroethene           | 6.541  | 95    | 34924    | 3.101    | ug/L   | 93       |
| -----                         |        |       |          |          |        |          |

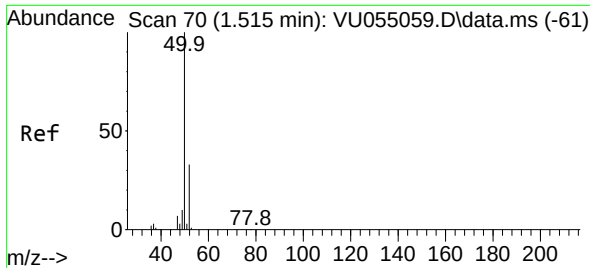
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090123\  
Data File : VU055079.D  
Acq On : 02 Sep 2023 07:08  
Operator : MD/SY  
Sample : 04250-17  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 49 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
BH4C3

Quant Time: Sep 04 01:37:00 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Sat Sep 02 00:23:04 2023  
Response via : Initial Calibration

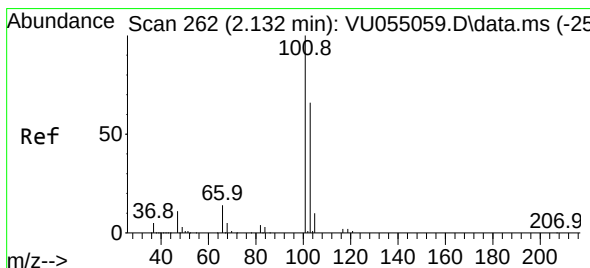
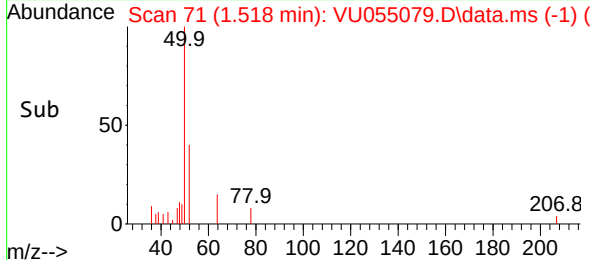
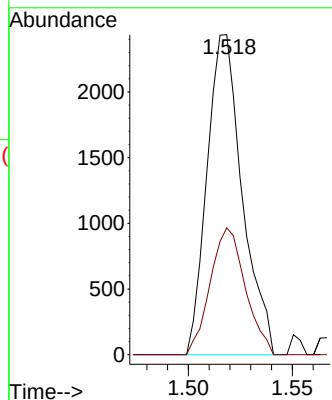
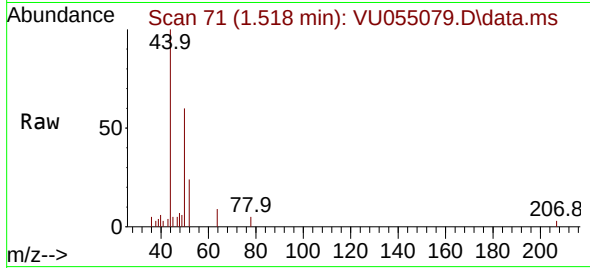




#3  
Chloromethane  
Concen: 0.263 ug/L  
RT: 1.518 min Scan# 71  
Delta R.T. 0.003 min  
Lab File: VU055079.D  
Acq: 02 Sep 2023 07:08

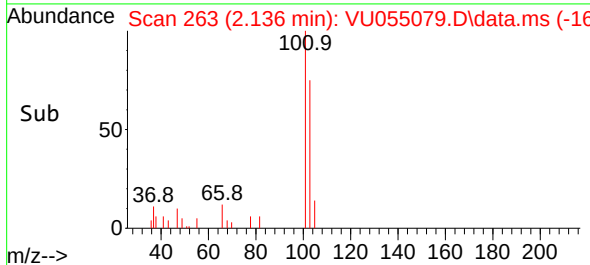
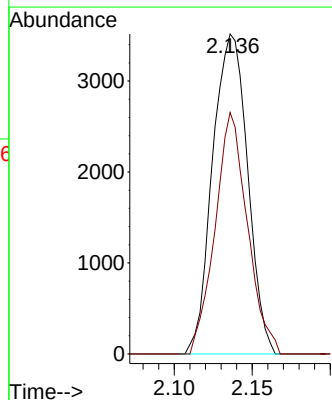
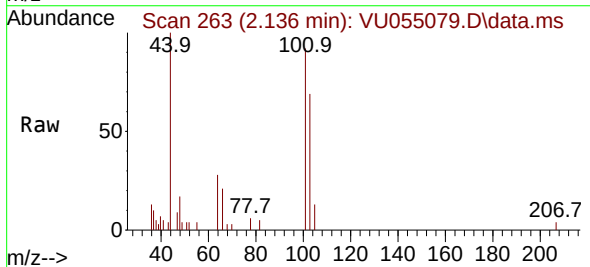
Instrument :  
MSVOA\_U  
ClientSampleId :  
BH4C3

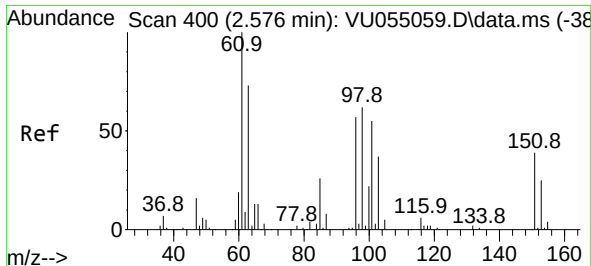
Tgt Ion: 50 Resp: 2865  
Ion Ratio Lower Upper  
50 100  
52 39.7 22.5 41.7



#9  
Trichlorofluoromethane  
Concen: 0.328 ug/L  
RT: 2.136 min Scan# 263  
Delta R.T. 0.003 min  
Lab File: VU055079.D  
Acq: 02 Sep 2023 07:08

Tgt Ion: 101 Resp: 5489  
Ion Ratio Lower Upper  
101 100  
103 69.7 51.9 77.9





#12

1,1-Dichloroethene

Concen: 0.321 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU055079.D

Acq: 02 Sep 2023 07:08

Instrument :

MSVOA\_U

ClientSampleId :

BH4C3

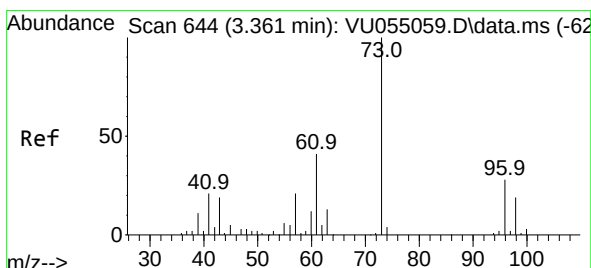
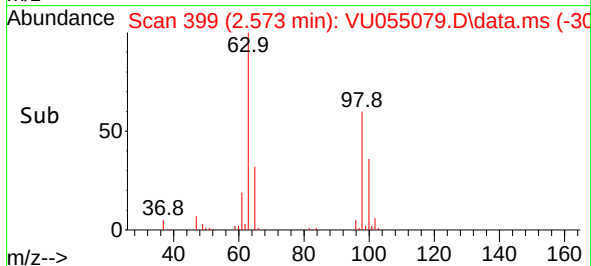
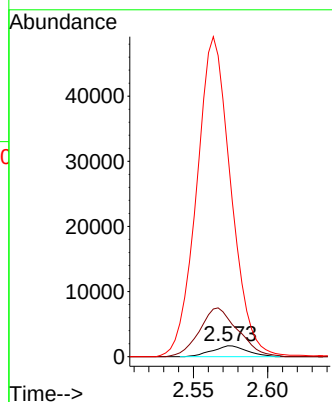
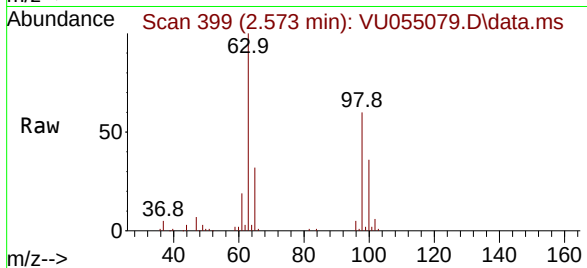
Tgt Ion: 96 Resp: 2732

Ion Ratio Lower Upper

96 100

61 352.7 120.8 224.4#

63 1881.0 94.5 175.5#



#17

Methyl tert-butyl Ether

Concen: 0.196 ug/L

RT: 3.367 min Scan# 646

Delta R.T. 0.006 min

Lab File: VU055079.D

Acq: 02 Sep 2023 07:08

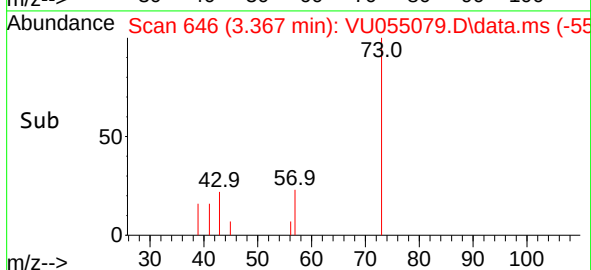
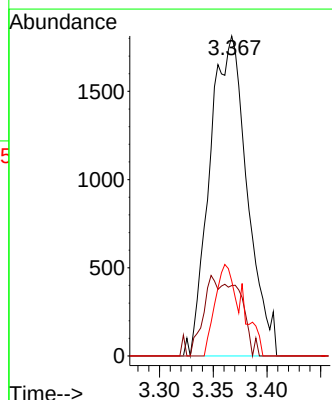
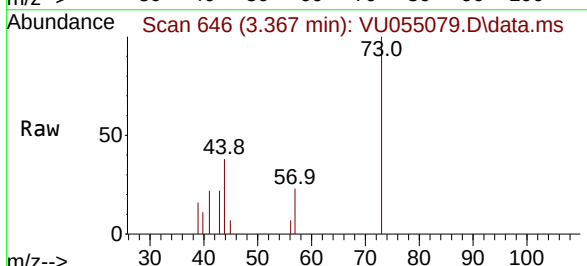
Tgt Ion: 73 Resp: 4389

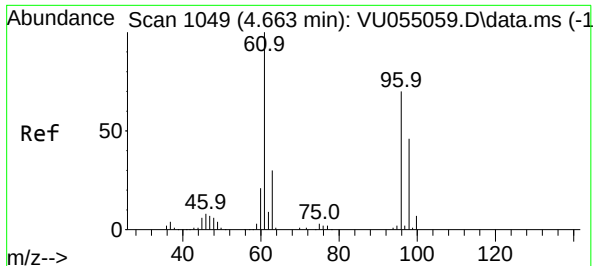
Ion Ratio Lower Upper

73 100

43 10.0 16.2 24.2#

57 20.7 17.4 26.2

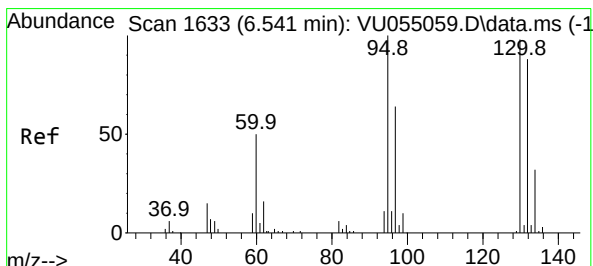
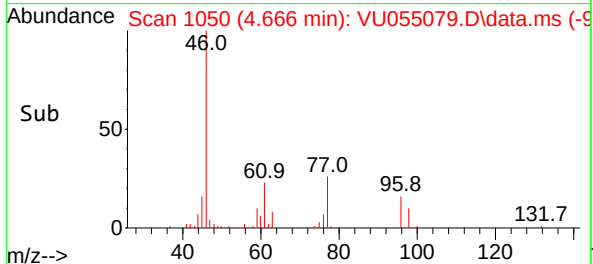
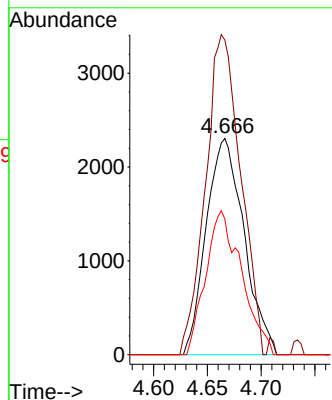
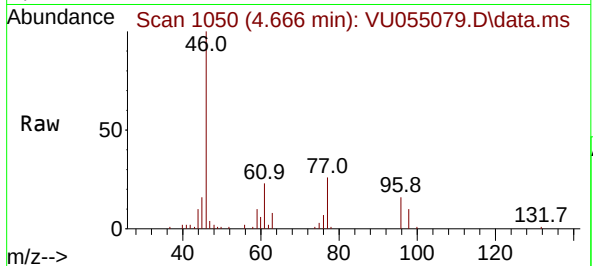




#22  
 cis-1,2-Dichloroethene  
 Concen: 0.533 ug/L  
 RT: 4.666 min Scan# 1050  
 Delta R.T. 0.003 min  
 Lab File: VU055079.D  
 Acq: 02 Sep 2023 07:08

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4C3

Tgt Ion: 96 Resp: 5641  
 Ion Ratio Lower Upper  
 96 100  
 61 145.4 97.2 180.4  
 98 62.7 46.1 85.7



#34  
 Trichloroethene  
 Concen: 3.101 ug/L  
 RT: 6.541 min Scan# 1633  
 Delta R.T. 0.000 min  
 Lab File: VU055079.D  
 Acq: 02 Sep 2023 07:08

Tgt Ion: 95 Resp: 34924  
 Ion Ratio Lower Upper  
 95 100  
 97 63.8 44.7 83.1  
 132 84.4 66.6 123.6  
 130 88.4 66.5 123.5

