

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110123\  
 Data File : VU056043.D  
 Acq On : 01 Nov 2023 16:42  
 Operator : MD/SY  
 Sample : 05113-12DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 02 02:10:43 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102423WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Nov 02 02:08:05 2023  
 Response via : Initial Calibration

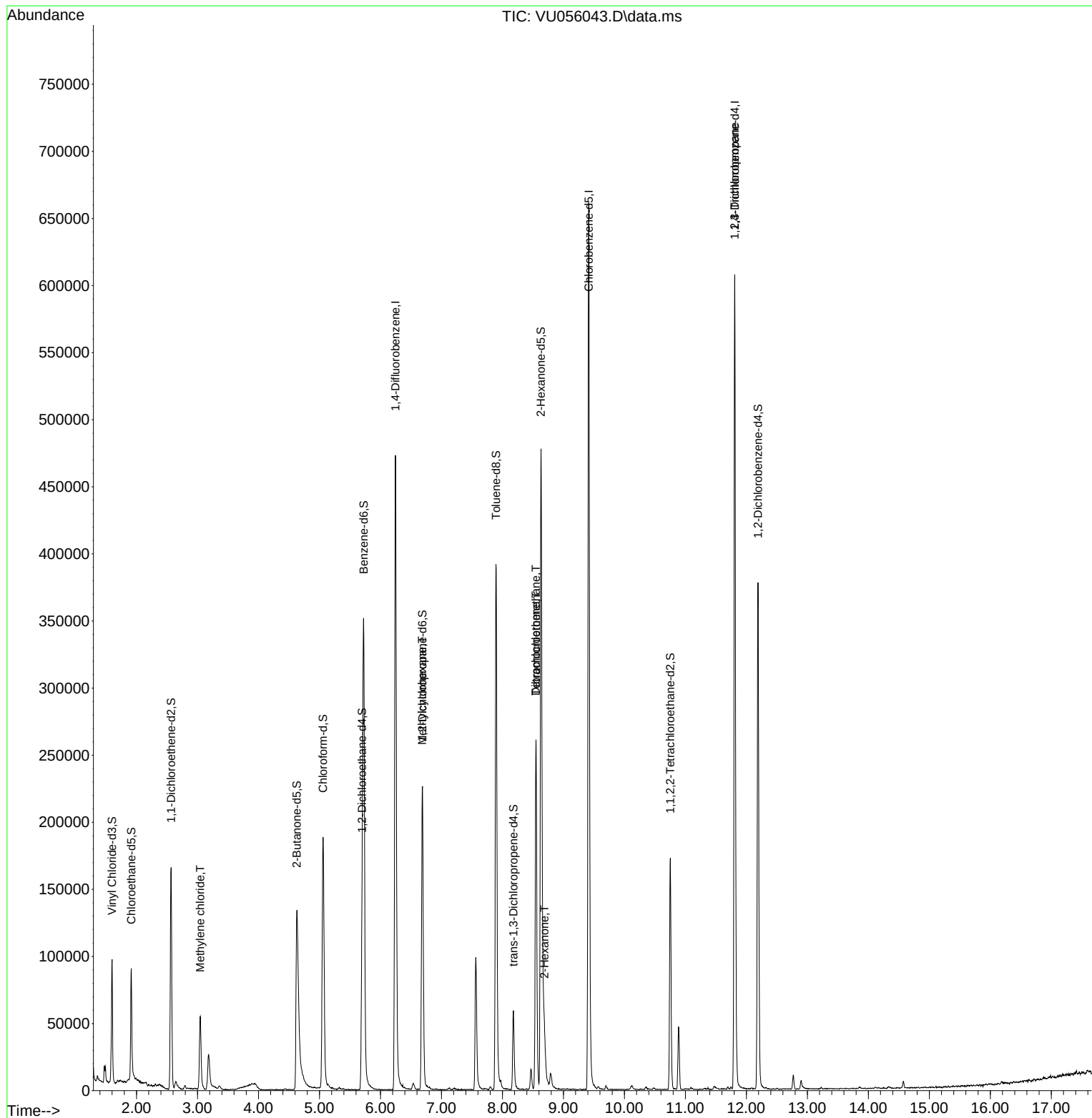
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 401224   | 5.000    | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 399026   | 5.000    | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 172137   | 5.000    | ug/L  | 0.00     |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.599  | 65    | 65714    | 2.070    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 41.400%  |
| 7) Chloroethane-d5            | 1.914  | 69    | 63547    | 2.569    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 51.400%# |
| 11) 1,1-Dichloroethene-d2     | 2.567  | 65    | 31270    | 2.321    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 46.400%# |
| 20) 2-Butanone-d5             | 4.628  | 46    | 224865   | 39.714   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 79.420%  |
| 24) Chloroform-d              | 5.058  | 84    | 186061   | 3.164    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 63.200%# |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 89252    | 3.115    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 62.200%# |
| 32) Benzene-d6                | 5.724  | 84    | 346557   | 2.916    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 58.400%# |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67    | 115158   | 3.268    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 65.400%  |
| 41) Toluene-d8                | 7.894  | 98    | 283695   | 2.631    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 52.600%# |
| 43) trans-1,3-Dichloroprop... | 8.180  | 79    | 37533    | 2.724    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 54.400%# |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 169610   | 48.484   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 96.960%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 89352    | 3.482    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 69.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.190 | 152   | 106869   | 3.328    | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 66.600%# |
| Target Compounds              |        |       |          |          |       |          |
| 16) Methylene chloride        | 3.046  | 84    | 28904    | 1.312    | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.685  | 83    | 28045    | 0.844    | ug/L  | # 18     |
| 47) Tetrachloroethene         | 8.550  | 164   | 60518    | 3.508    | ug/L  | 96       |
| 48) 2-Hexanone                | 8.688  | 43    | 20113    | 2.270    | ug/L  | # 92     |
| 49) Dibromochloromethane      | 8.550  | 129   | 59757    | 3.311    | ug/L  | # 11     |
| 61) 1,2,3-Trichloropropane    | 11.807 | 75    | 21006    | 1.777    | ug/L  | # 69     |

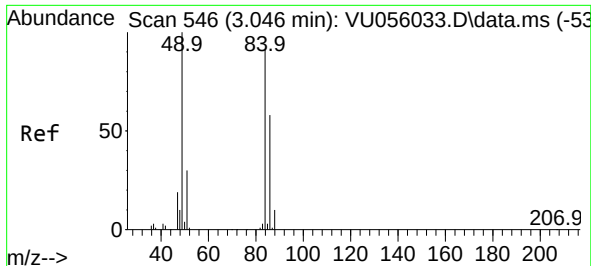
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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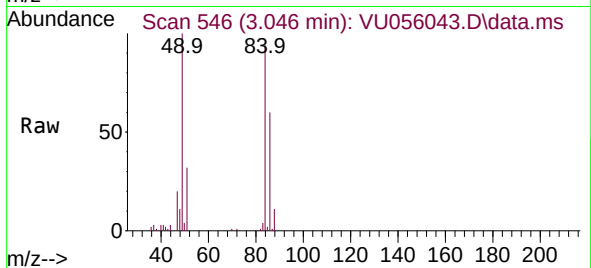
Quant Time: Nov 02 02:10:43 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR102423WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Nov 02 02:08:05 2023  
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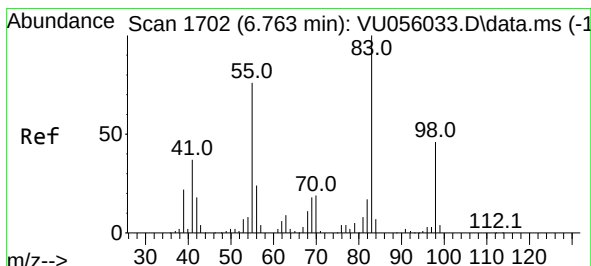
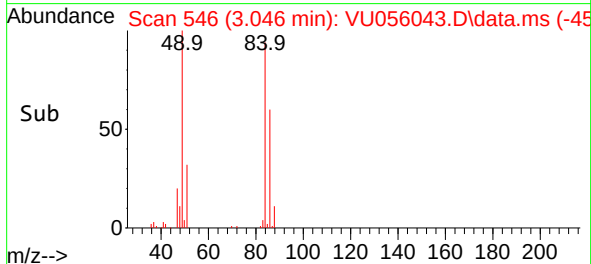
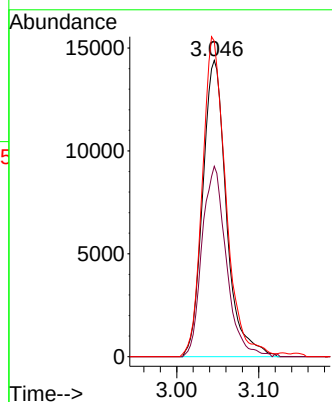


#16  
Methylene chloride  
Concen: 1.312 ug/L  
RT: 3.046 min Scan# 54  
Delta R.T. -0.000 min  
Lab File: VU056043.D  
Acq: 01 Nov 2023 16:42

Instrument :  
MSVOA\_U  
ClientSampleId :

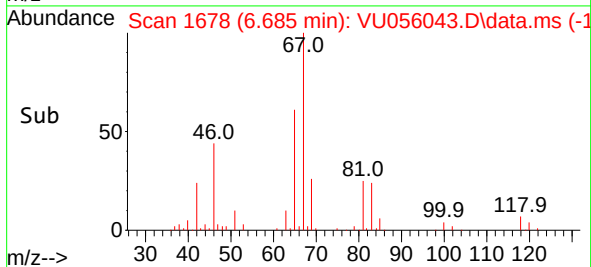
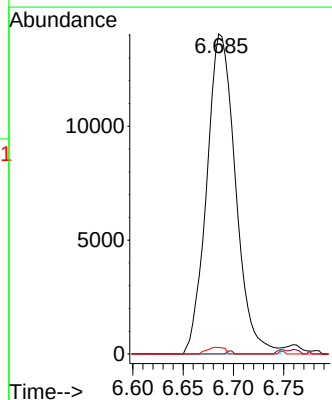
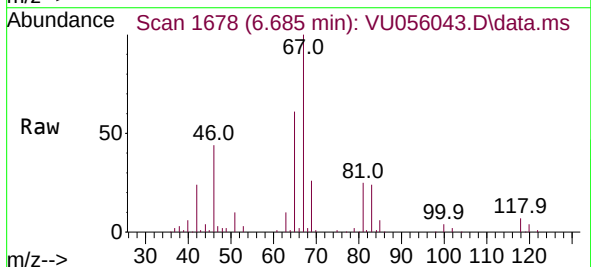


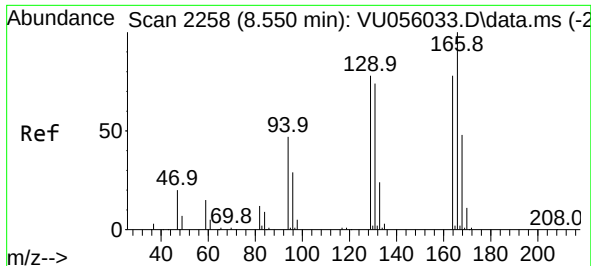
Tgt Ion: 84 Resp: 28904  
Ion Ratio Lower Upper  
84 100  
86 64.2 45.2 84.0  
49 111.0 78.8 146.3



#35  
Methylcyclohexane  
Concen: 0.844 ug/L  
RT: 6.685 min Scan# 1678  
Delta R.T. -0.077 min  
Lab File: VU056043.D  
Acq: 01 Nov 2023 16:42

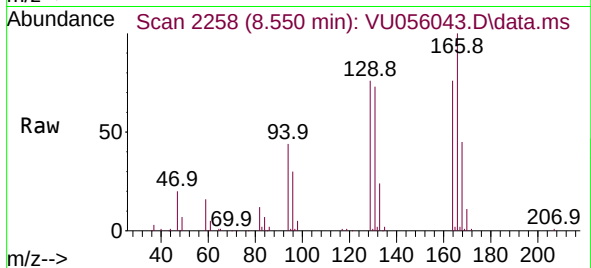
Tgt Ion: 83 Resp: 28045  
Ion Ratio Lower Upper  
83 100  
55 0.2 62.4 93.6#  
98 1.3 37.4 56.2#



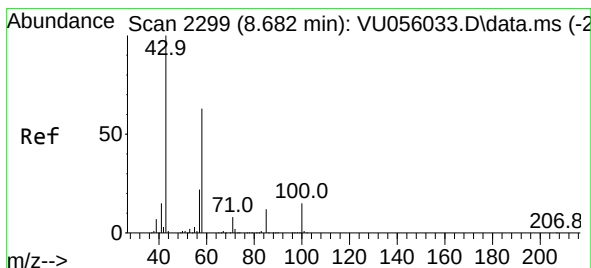
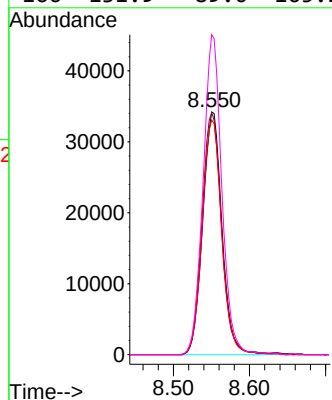
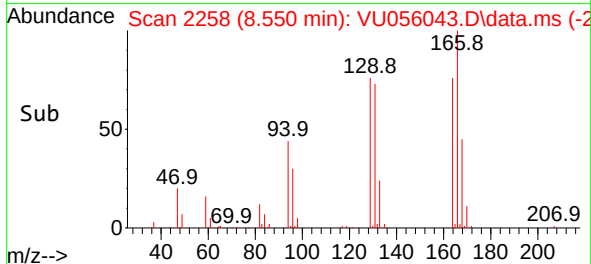


#47  
Tetrachloroethene  
Concen: 3.508 ug/L  
RT: 8.550 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU056043.D  
Acq: 01 Nov 2023 16:42

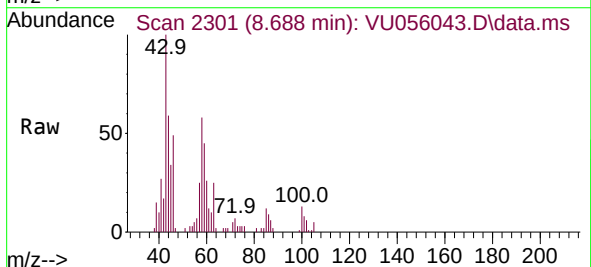
Instrument :  
MSVOA\_U  
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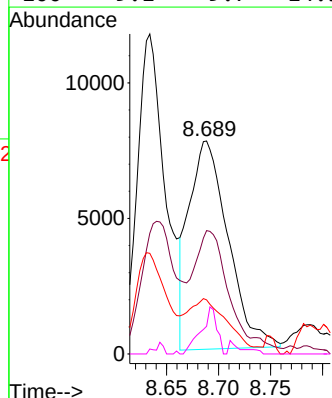
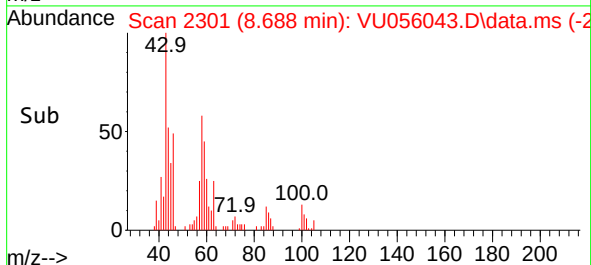
Tgt Ion:164 Resp: 60518  
Ion Ratio Lower Upper  
164 100  
129 99.7 72.2 134.0  
131 96.7 70.8 131.6  
166 131.9 89.0 165.2

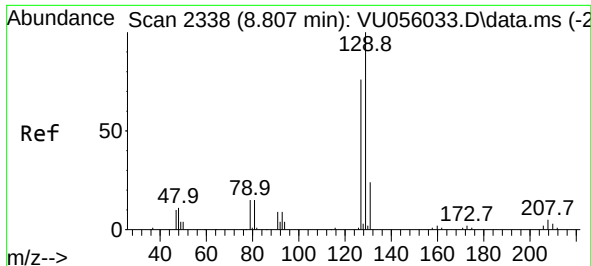


#48  
2-Hexanone  
Concen: 2.270 ug/L  
RT: 8.688 min Scan# 2301  
Delta R.T. 0.006 min  
Lab File: VU056043.D  
Acq: 01 Nov 2023 16:42



Tgt Ion: 43 Resp: 20113  
Ion Ratio Lower Upper  
43 100  
58 54.2 49.5 74.3  
57 20.5 16.9 25.3  
100 9.1 9.7 14.5#

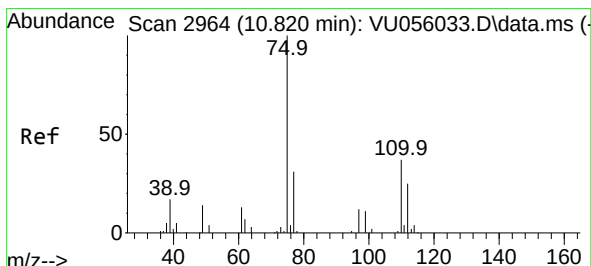
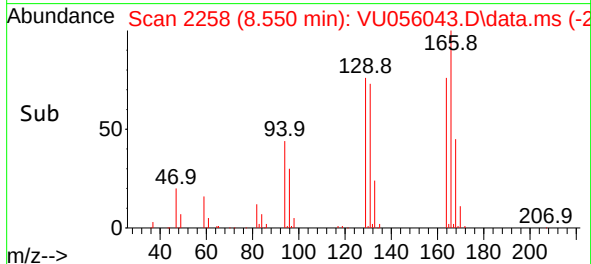
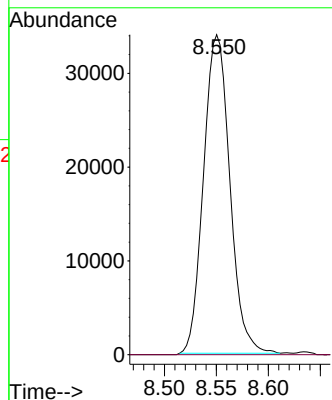
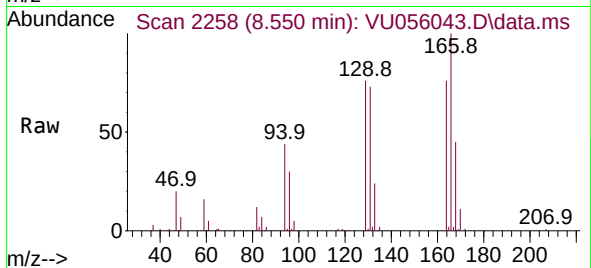




#49  
Dibromochloromethane  
Concen: 3.311 ug/L  
RT: 8.550 min Scan# 21  
Delta R.T. -0.257 min  
Lab File: VU056043.D  
Acq: 01 Nov 2023 16:42

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion:129 Resp: 59757  
Ion Ratio Lower Upper  
129 100  
127 0.0 53.5 99.5#



#61  
1,2,3-Trichloropropane  
Concen: 1.777 ug/L  
RT: 11.807 min Scan# 3271  
Delta R.T. 0.987 min  
Lab File: VU056043.D  
Acq: 01 Nov 2023 16:42

Tgt Ion: 75 Resp: 21006  
Ion Ratio Lower Upper  
75 100  
110 3.1 29.0 43.6#  
77 30.6 24.5 36.7

