

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU091223\  
 Data File : VU055245.D  
 Acq On : 12 Sep 2023 14:02  
 Operator : MD/SY  
 Sample : 04307-21DL 4X  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BH4J4DL

Quant Time: Sep 13 01:46:24 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR090123WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 13 01:44:08 2023  
 Response via : Initial Calibration

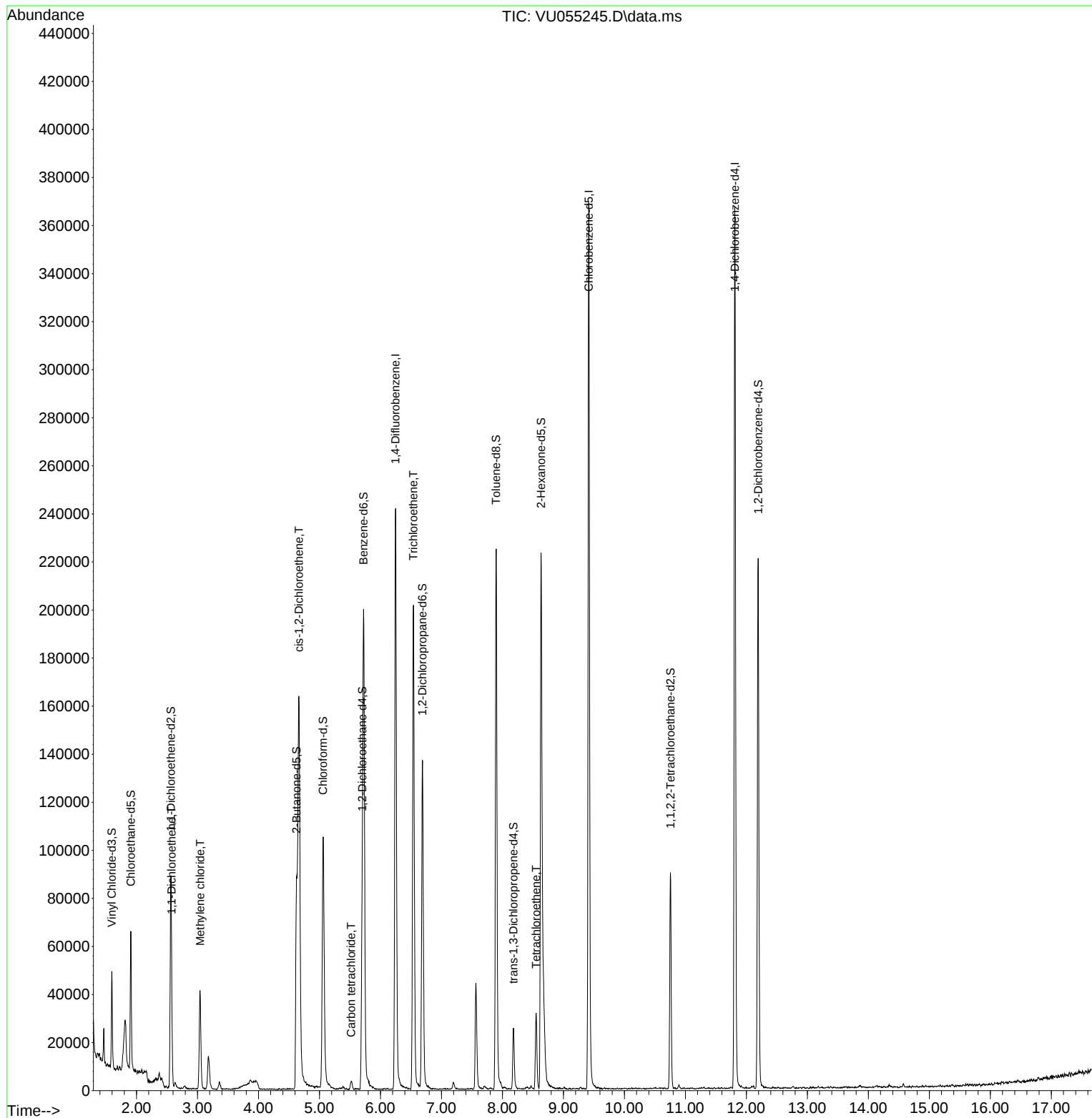
| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| -----                         |        |                |          |        |          |          |
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.248  | 114            | 199563   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117            | 205761   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152            | 97434    | 5.000  | ug/L     | 0.00     |
|                               |        |                |          |        |          |          |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65             | 27476    | 2.938  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 58.800%  |          |
| 7) Chloroethane-d5            | 1.907  | 69             | 41029    | 3.790  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 75.800%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65             | 15362    | 2.883  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 57.600%# |          |
| 20) 2-Butanone-d5             | 4.624  | 46             | 111781   | 41.184 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 82.360%  |          |
| 24) Chloroform-d              | 5.058  | 84             | 93008    | 3.747  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 75.000%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.702  | 65             | 51084    | 4.114  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 82.200%  |          |
| 32) Benzene-d6                | 5.724  | 84             | 185460   | 3.651  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 73.000%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.689  | 67             | 65478    | 4.053  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 81.000%  |          |
| 41) Toluene-d8                | 7.898  | 98             | 157693   | 3.370  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 67.400%# |          |
| 43) trans-1,3-Dichloroprop... | 8.181  | 79             | 14868    | 3.342  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 66.800%  |          |
| 46) 2-Hexanone-d5             | 8.634  | 63             | 68600    | 37.983 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 75.960%  |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.756 | 84             | 44739    | 3.938  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 78.800%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152            | 58217    | 4.094  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 81.800%  |          |
|                               |        |                |          |        |          |          |
| Target Compounds              |        |                |          |        |          | Qvalue   |
| 12) 1,1-Dichloroethene        | 2.576  | 96             | 5312     | 0.576  | ug/L     | # 1      |
| 16) Methylene chloride        | 3.042  | 84             | 18948    | 1.344  | ug/L     | 96       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96             | 77902    | 6.799  | ug/L     | 92       |
| 31) Carbon tetrachloride      | 5.518  | 117            | 2482     | 0.168  | ug/L     | 84       |
| 34) Trichloroethene           | 6.541  | 95             | 67206    | 5.522  | ug/L     | 98       |
| 47) Tetrachloroethene         | 8.553  | 164            | 6893     | 0.819  | ug/L     | 91       |
| -----                         |        |                |          |        |          |          |

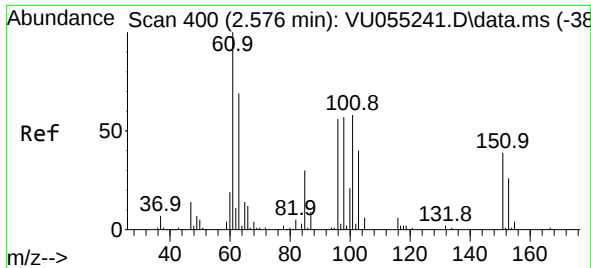
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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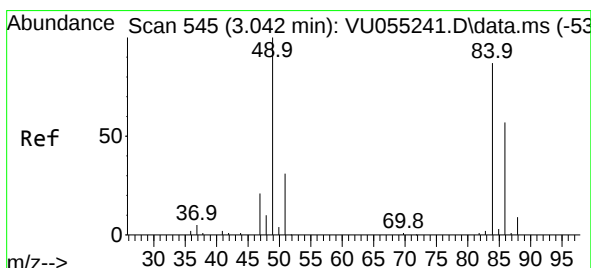
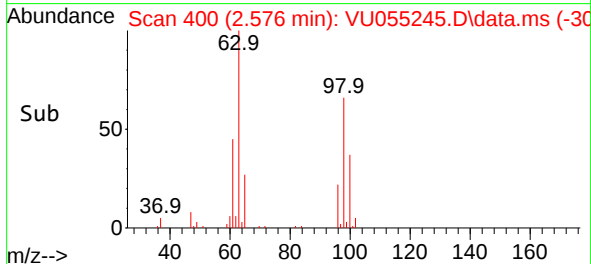
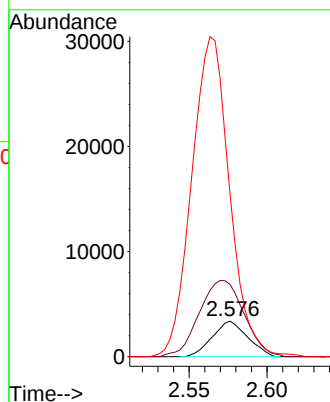
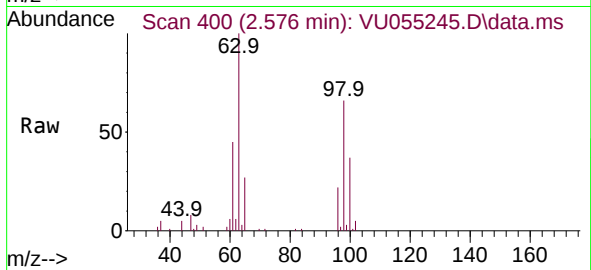




#12  
1,1-Dichloroethene  
Concen: 0.576 ug/L  
RT: 2.576 min Scan# 400  
Delta R.T. 0.000 min  
Lab File: VU055245.D  
Acq: 12 Sep 2023 14:02

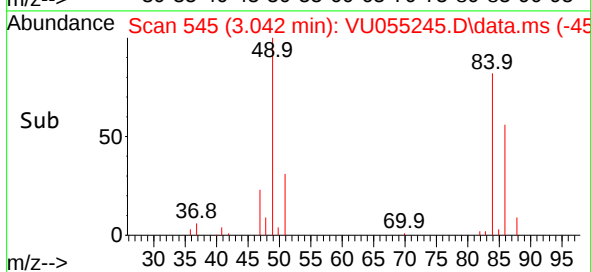
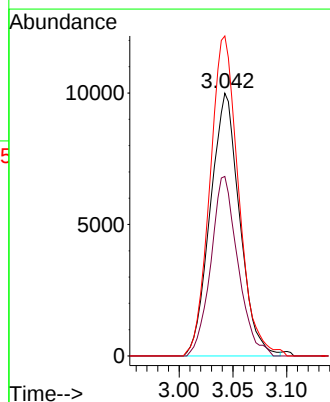
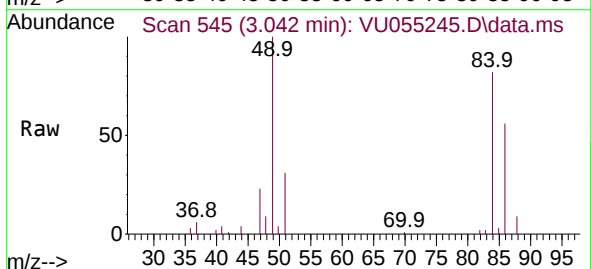
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ClientSampleId :  
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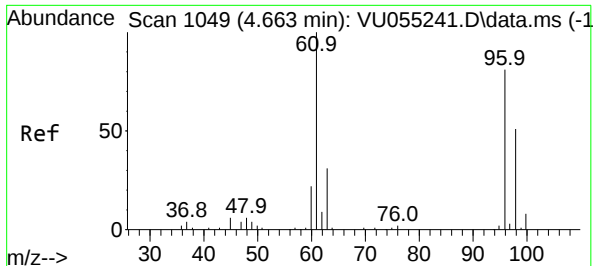
Tgt Ion: 96 Resp: 5312  
Ion Ratio Lower Upper  
96 100  
61 202.9 120.8 224.4  
63 455.5 94.5 175.5#



#16  
Methylene chloride  
Concen: 1.344 ug/L  
RT: 3.042 min Scan# 545  
Delta R.T. 0.000 min  
Lab File: VU055245.D  
Acq: 12 Sep 2023 14:02

Tgt Ion: 84 Resp: 18948  
Ion Ratio Lower Upper  
84 100  
86 68.4 43.4 80.6  
49 127.3 87.7 162.9

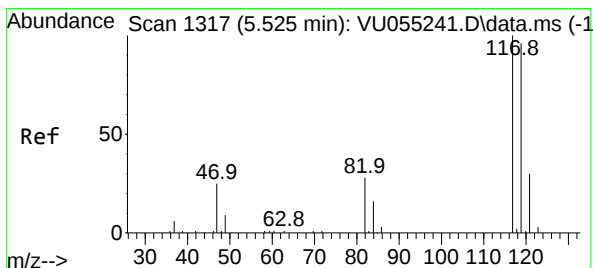
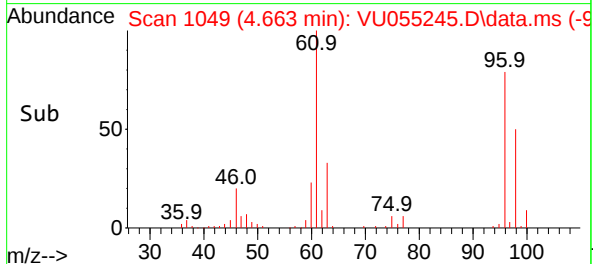
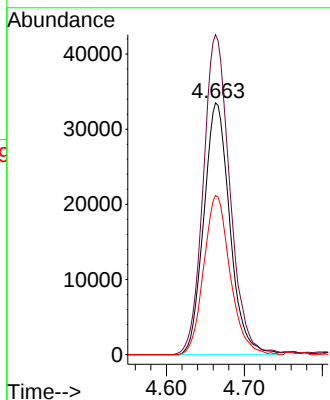
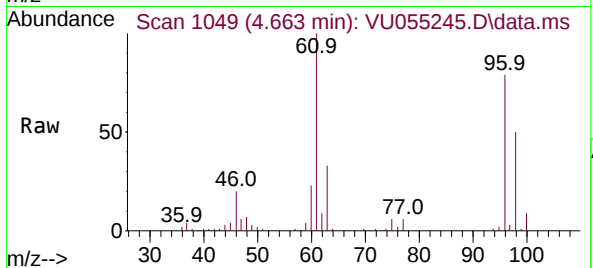




#22  
 cis-1,2-Dichloroethene  
 Concen: 6.799 ug/L  
 RT: 4.663 min Scan# 1049  
 Delta R.T. 0.000 min  
 Lab File: VU055245.D  
 Acq: 12 Sep 2023 14:02

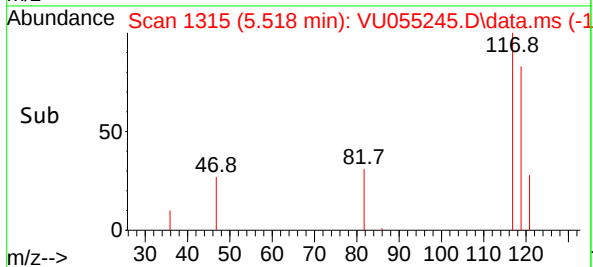
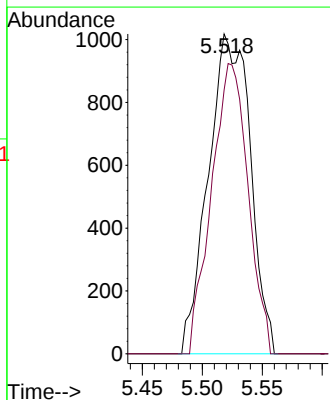
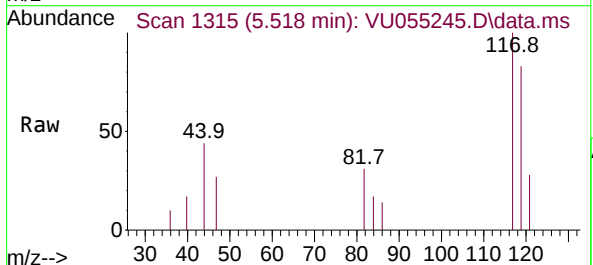
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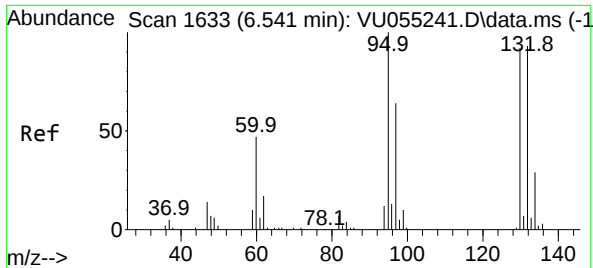
Tgt Ion: 96 Resp: 77902  
 Ion Ratio Lower Upper  
 96 100  
 61 127.1 97.2 180.4  
 98 63.2 46.1 85.7



#31  
 Carbon tetrachloride  
 Concen: 0.168 ug/L  
 RT: 5.518 min Scan# 1315  
 Delta R.T. -0.006 min  
 Lab File: VU055245.D  
 Acq: 12 Sep 2023 14:02

Tgt Ion: 117 Resp: 2482  
 Ion Ratio Lower Upper  
 117 100  
 119 78.8 75.4 113.0

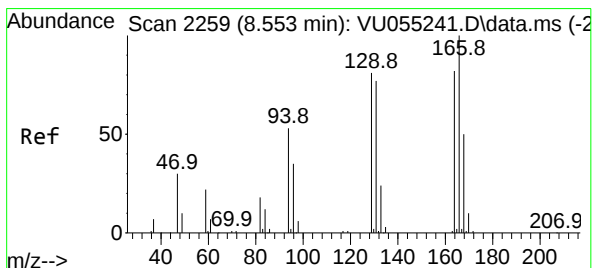
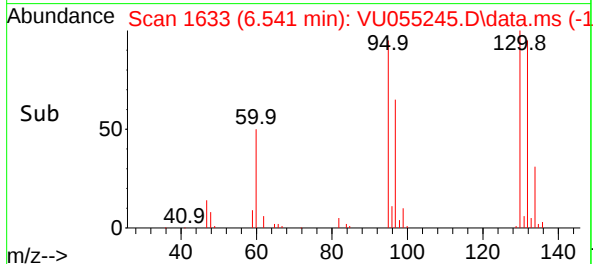
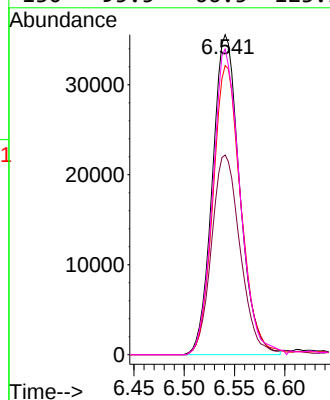
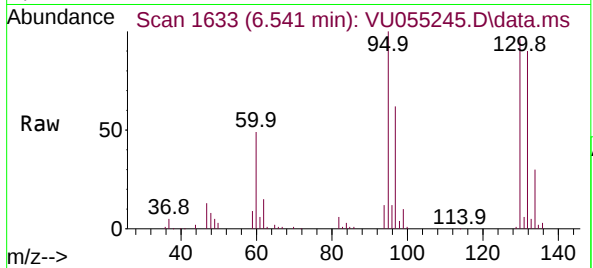




#34  
Trichloroethene  
Concen: 5.522 ug/L  
RT: 6.541 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU055245.D  
Acq: 12 Sep 2023 14:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
BH4J4DL

Tgt Ion: 95 Resp: 67206  
Ion Ratio Lower Upper  
95 100  
97 62.4 44.7 83.1  
132 90.4 66.6 123.6  
130 95.5 66.5 123.5



#47  
Tetrachloroethene  
Concen: 0.819 ug/L  
RT: 8.553 min Scan# 2259  
Delta R.T. 0.000 min  
Lab File: VU055245.D  
Acq: 12 Sep 2023 14:02

Tgt Ion: 164 Resp: 6893  
Ion Ratio Lower Upper  
164 100  
129 105.2 69.2 128.6  
131 89.9 68.8 127.8  
166 117.3 92.3 171.5

