

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU092623\  
 Data File : VU055540.D  
 Acq On : 27 Sep 2023 01:31  
 Operator : MD/SY  
 Sample : 04530-01  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 39 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EYHX8

Quant Time: Sep 27 06:37:48 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR091923WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Sep 27 06:19:47 2023  
 Response via : Initial Calibration

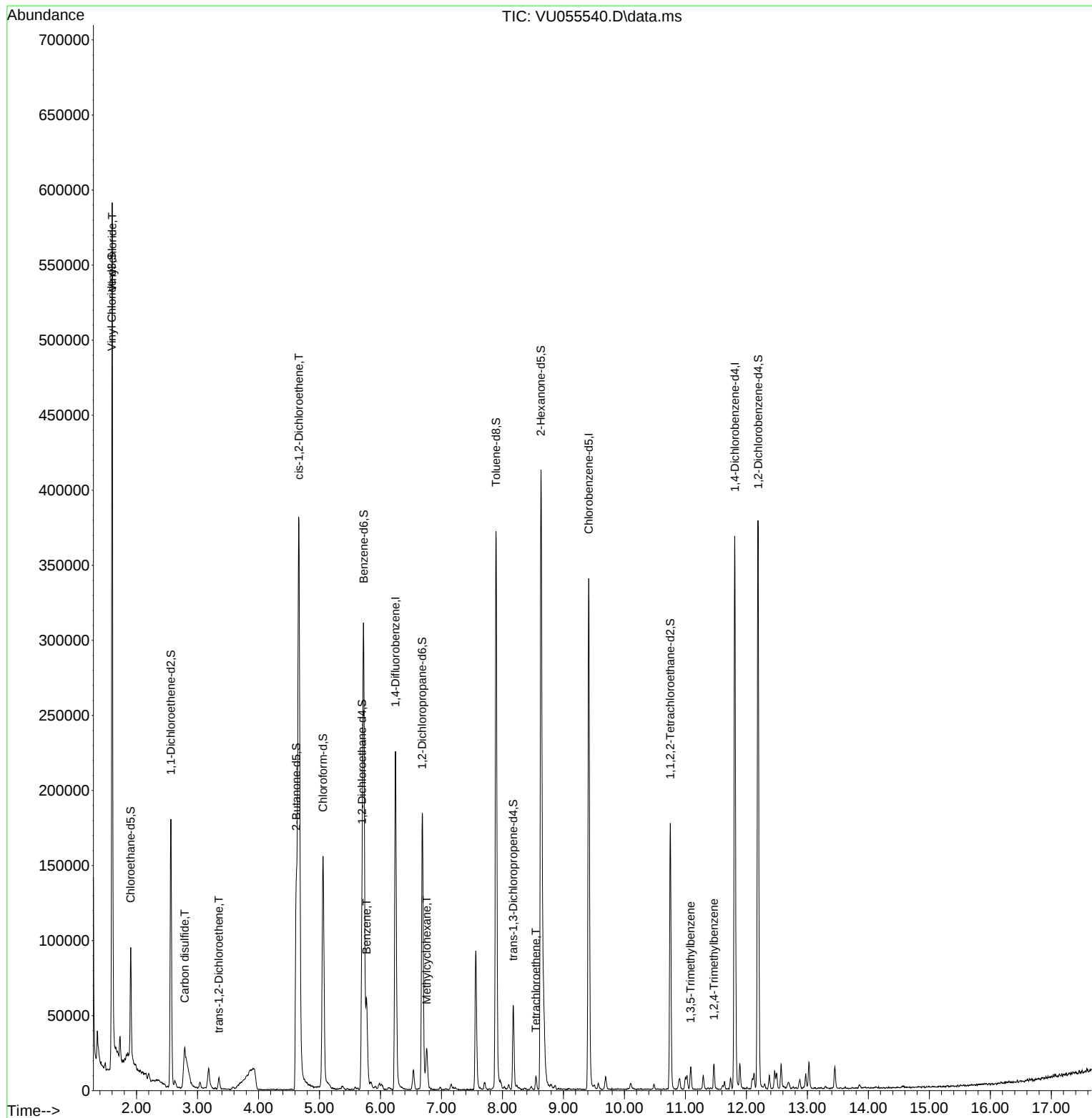
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.245  | 114   | 193568   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.415  | 117   | 201969   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.811 | 152   | 104395   | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.596  | 65    | 79790    | 4.078    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 81.600%  |
| 7) Chloroethane-d5            | 1.904  | 69    | 51964    | 3.014    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 60.200%# |
| 11) 1,1-Dichloroethene-d2     | 2.563  | 65    | 33771    | 4.194    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 83.800%  |
| 20) 2-Butanone-d5             | 4.621  | 46    | 217914   | 61.668   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 123.340% |
| 24) Chloroform-d              | 5.058  | 84    | 148555   | 4.198    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 84.000%  |
| 26) 1,2-Dichloroethane-d4     | 5.698  | 65    | 80107    | 4.706    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 94.200%  |
| 32) Benzene-d6                | 5.724  | 84    | 306473   | 4.338    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 86.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.685  | 67    | 95258    | 4.513    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 90.200%  |
| 41) Toluene-d8                | 7.894  | 98    | 263908   | 4.099    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.000%  |
| 43) trans-1,3-Dichloroprop... | 8.177  | 79    | 34609    | 4.672    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.400%  |
| 46) 2-Hexanone-d5             | 8.631  | 63    | 132436   | 58.780   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 117.560% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.753 | 84    | 91090    | 5.758    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 115.200% |
| 66) 1,2-Dichlorobenzene-d4    | 12.193 | 152   | 101199   | 4.803    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.000%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl chloride             | 1.602  | 62    | 337566   | 18.873   | ug/L   | 95       |
| 14) Carbon disulfide          | 2.792  | 76    | 8930     | 0.220    | ug/L   | 98       |
| 18) trans-1,2-Dichloroethene  | 3.351  | 96    | 3112     | 0.228    | ug/L   | 86       |
| 22) cis-1,2-Dichloroethene    | 4.663  | 96    | 198229   | 12.534   | ug/L   | 97       |
| 33) Benzene                   | 5.772  | 78    | 58856    | 1.012    | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.759  | 83    | 11282    | 0.476    | ug/L   | 95       |
| 47) Tetrachloroethene         | 8.547  | 164   | 1978     | 0.168    | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 11.087 | 105   | 9666     | 0.201    | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 11.470 | 105   | 10198    | 0.217    | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

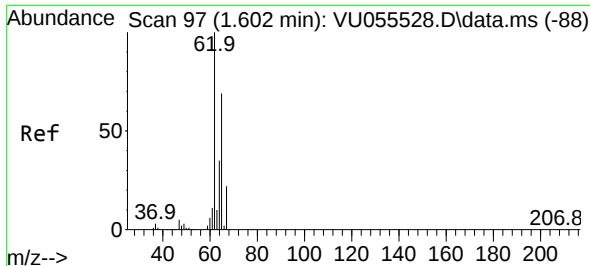
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Sep 27 06:19:47 2023  
Response via : Initial Calibration

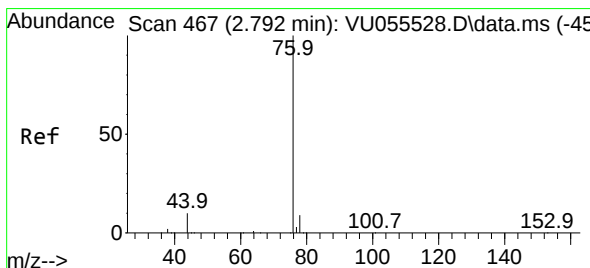
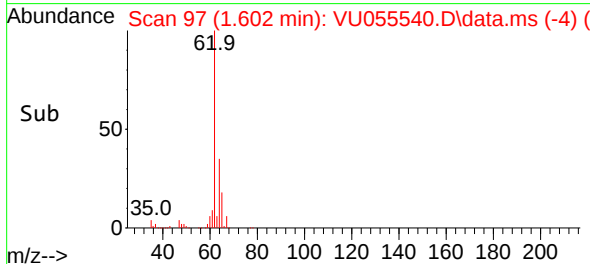
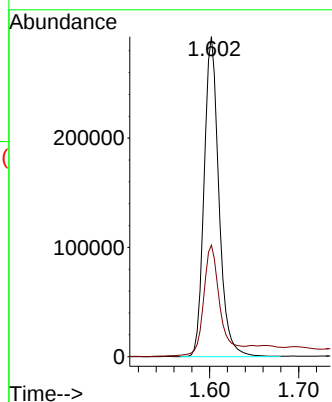
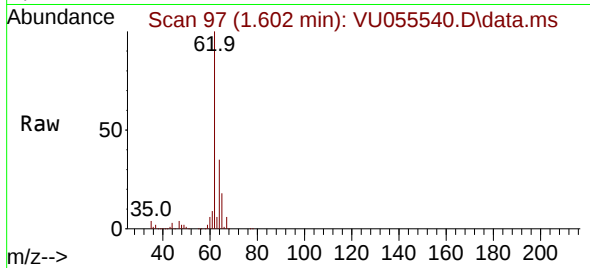




#5  
 Vinyl chloride  
 Concen: 18.873 ug/L  
 RT: 1.602 min Scan# 91  
 Delta R.T. 0.000 min  
 Lab File: VU055540.D  
 Acq: 27 Sep 2023 01:31

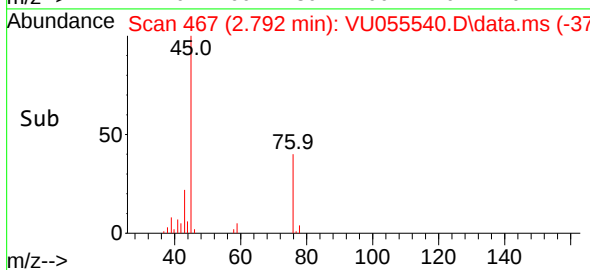
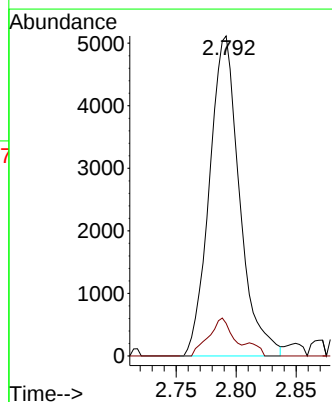
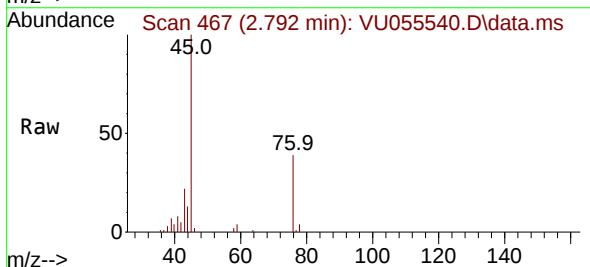
Instrument :  
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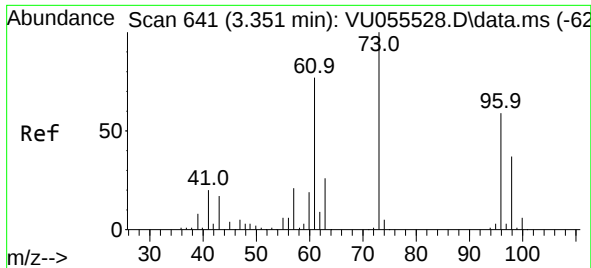
Tgt Ion: 62 Resp: 337566  
 Ion Ratio Lower Upper  
 62 100  
 64 34.8 22.3 41.5



#14  
 Carbon disulfide  
 Concen: 0.220 ug/L  
 RT: 2.792 min Scan# 467  
 Delta R.T. 0.000 min  
 Lab File: VU055540.D  
 Acq: 27 Sep 2023 01:31

Tgt Ion: 76 Resp: 8930  
 Ion Ratio Lower Upper  
 76 100  
 78 10.2 7.7 11.5

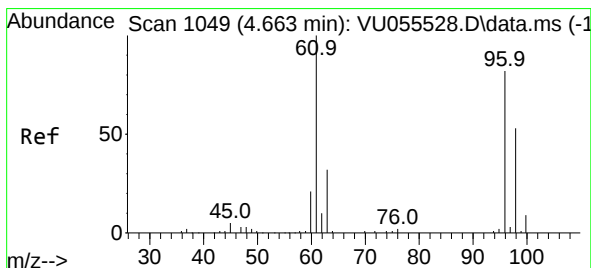
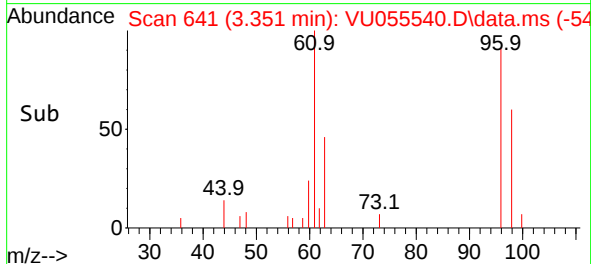
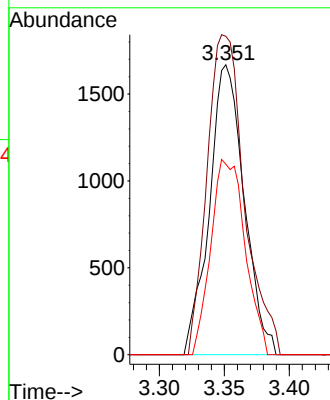
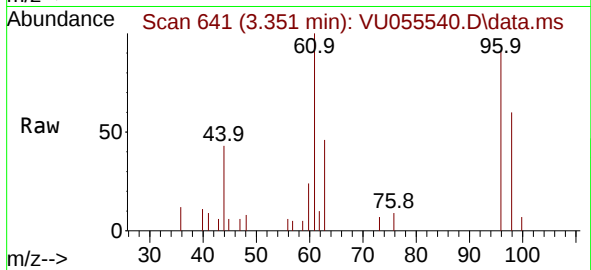




#18  
 trans-1,2-Dichloroethene  
 Concen: 0.228 ug/L  
 RT: 3.351 min Scan# 641  
 Delta R.T. 0.000 min  
 Lab File: VU055540.D  
 Acq: 27 Sep 2023 01:31

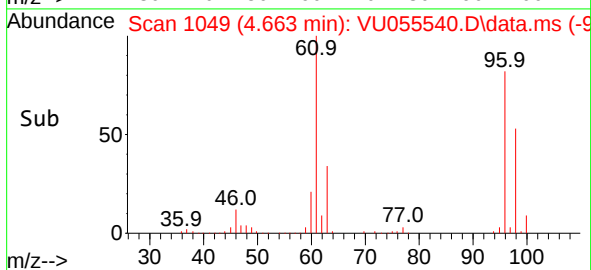
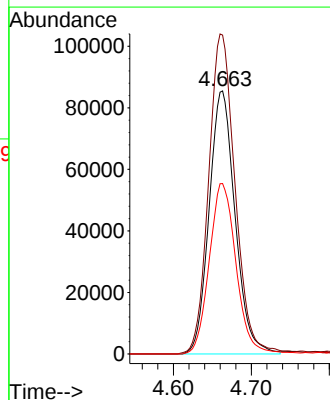
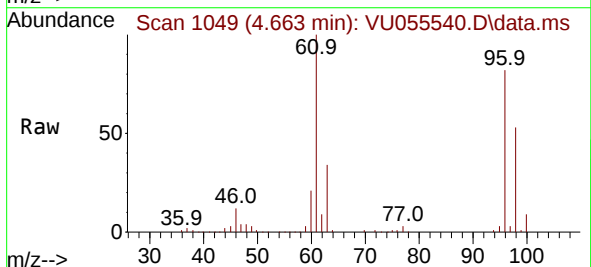
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 ClientSampleId :  
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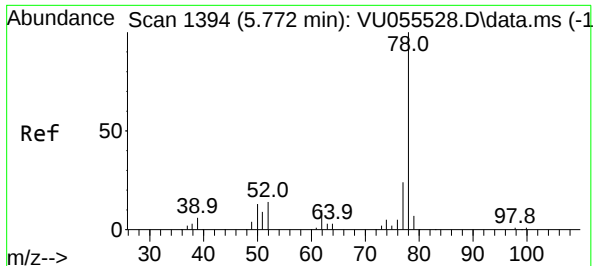
Tgt Ion: 96 Resp: 3112  
 Ion Ratio Lower Upper  
 96 100  
 61 109.8 94.6 175.6  
 98 65.7 45.7 84.9



#22  
 cis-1,2-Dichloroethene  
 Concen: 12.534 ug/L  
 RT: 4.663 min Scan# 1049  
 Delta R.T. 0.000 min  
 Lab File: VU055540.D  
 Acq: 27 Sep 2023 01:31

Tgt Ion: 96 Resp: 198229  
 Ion Ratio Lower Upper  
 96 100  
 61 121.3 87.8 163.2  
 98 64.8 44.4 82.4

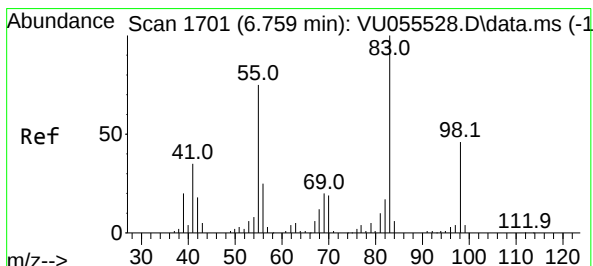
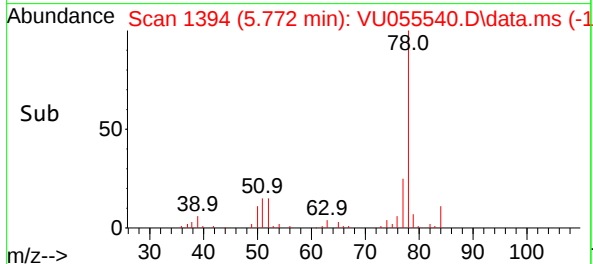
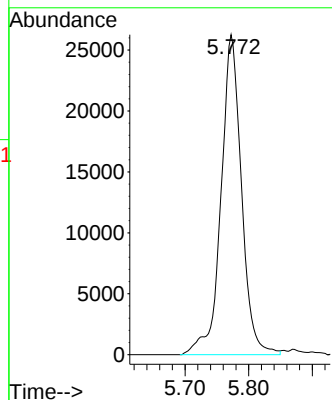
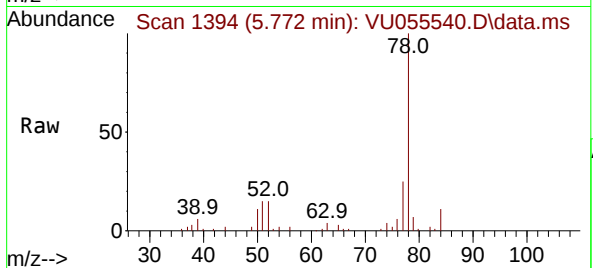




#33  
Benzene  
Concen: 1.012 ug/L  
RT: 5.772 min Scan# 1394  
Delta R.T. 0.000 min  
Lab File: VU055540.D  
Acq: 27 Sep 2023 01:31

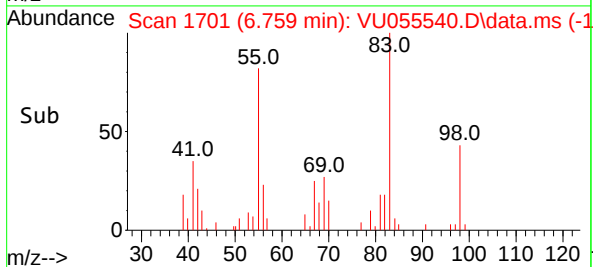
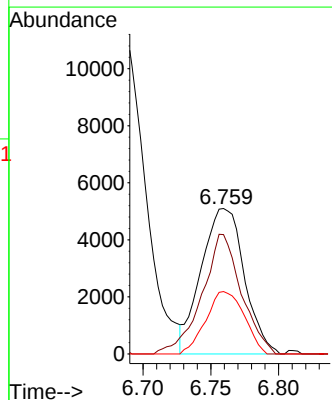
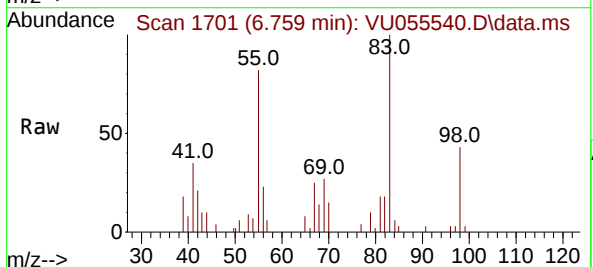
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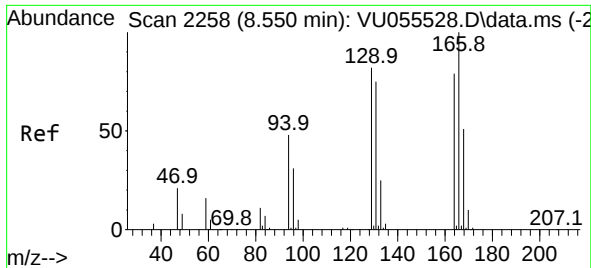
Tgt Ion: 78 Resp: 58856



#35  
Methylcyclohexane  
Concen: 0.476 ug/L  
RT: 6.759 min Scan# 1701  
Delta R.T. 0.000 min  
Lab File: VU055540.D  
Acq: 27 Sep 2023 01:31

Tgt Ion: 83 Resp: 11282  
Ion Ratio Lower Upper  
83 100  
55 75.0 59.1 88.7  
98 38.1 36.3 54.5



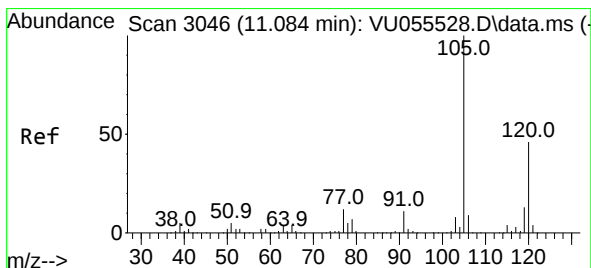
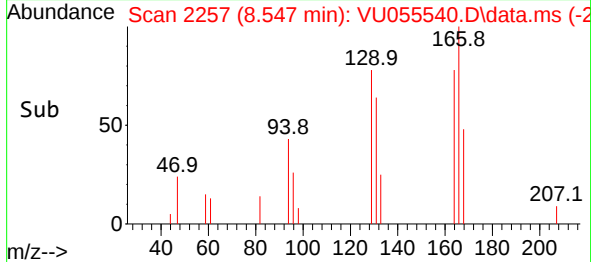
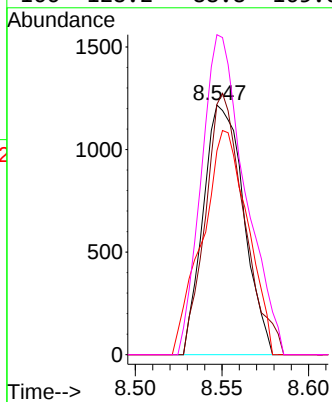
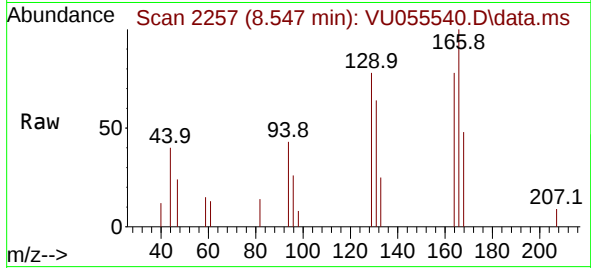


#47  
Tetrachloroethene  
Concen: 0.168 ug/L  
RT: 8.547 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU055540.D  
Acq: 27 Sep 2023 01:31

Instrument :  
MSVOA\_U  
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EYHX8

Tgt Ion:164 Resp: 1978

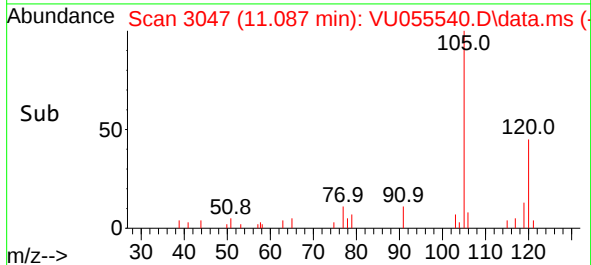
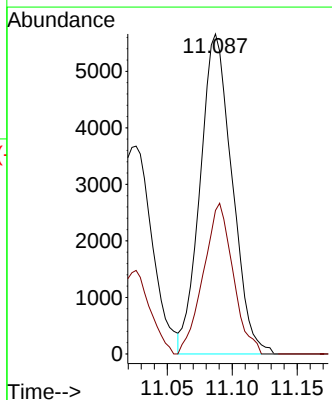
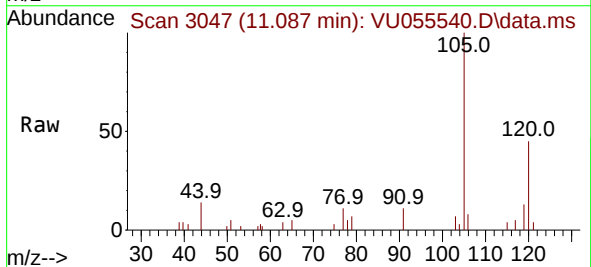
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 100.3 | 67.4  | 125.2 |
| 131 | 81.7  | 66.4  | 123.2 |
| 166 | 128.2 | 88.8  | 165.0 |

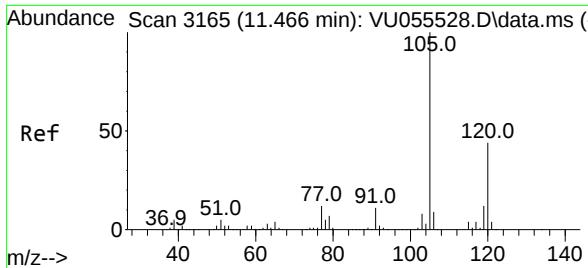


#62  
1,3,5-Trimethylbenzene  
Concen: 0.201 ug/L  
RT: 11.087 min Scan# 3047  
Delta R.T. 0.003 min  
Lab File: VU055540.D  
Acq: 27 Sep 2023 01:31

Tgt Ion:105 Resp: 9666

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 105 | 100   |       |       |
| 120 | 43.8  | 38.1  | 57.1  |





#63  
 1,2,4-Trimethylbenzene  
 Concen: 0.217 ug/L  
 RT: 11.470 min Scan# 3166  
 Delta R.T. 0.003 min  
 Lab File: VU055540.D  
 Acq: 27 Sep 2023 01:31

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 MSVOA\_U  
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Tgt Ion:105 Resp: 10198  
 Ion Ratio Lower Upper  
 105 100  
 120 44.6 34.9 52.3

