

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100521\  
 Data File : VW022593.D  
 Acq On : 06 Oct 2021 01:24  
 Operator : SY/MD  
 Sample : M4051-08  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AT7

Quant Time: Oct 06 08:07:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Oct 06 07:50:25 2021  
 Response via : Initial Calibration

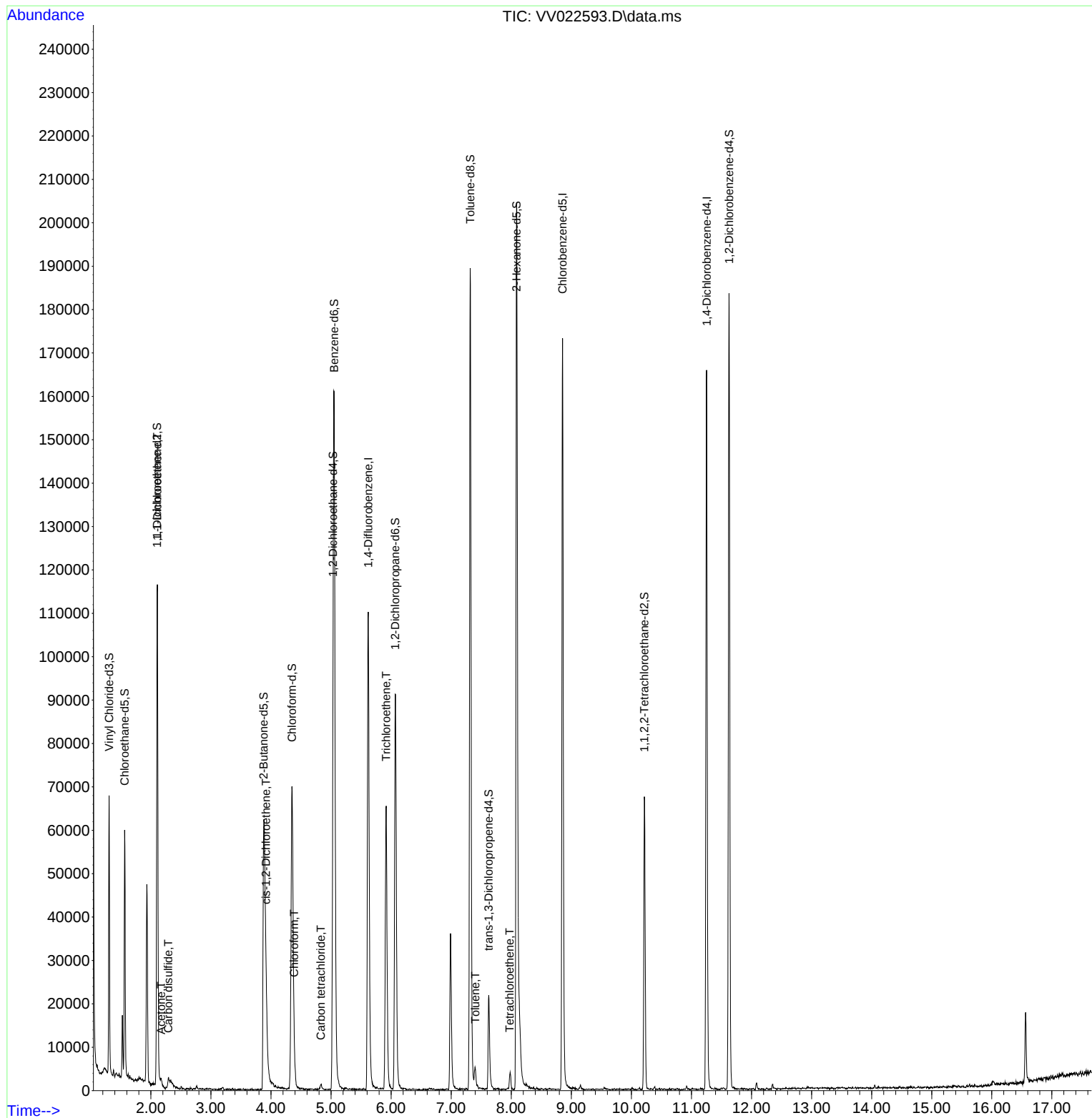
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 102103   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 99593    | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.252 | 152   | 45555    | 5.000    | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 39238    | 11.994   | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 239.800%# |
| 7) Chloroethane-d5            | 1.564  | 69    | 35044    | 7.947    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 159.000%# |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 59129    | 6.229    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 124.600%  |
| 20) 2-Butanone-d5             | 3.880  | 46    | 98799    | 51.092   | ug/L   | -0.03     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 102.180%  |
| 24) Chloroform-d              | 4.349  | 84    | 70866    | 5.626    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 112.600%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 37088    | 6.250    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 125.000%  |
| 32) Benzene-d6                | 5.053  | 84    | 147352   | 6.566    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 131.400%# |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 44533    | 5.624    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 112.400%  |
| 41) Toluene-d8                | 7.317  | 98    | 126512   | 6.724    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 134.400%# |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 12855    | 6.135    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 122.600%  |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 67116    | 51.729   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.460%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 31651    | 5.261    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 105.200%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.628 | 152   | 50075    | 7.106    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 142.200%# |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 12) 1,1-Dichloroethene        | 2.108  | 96    | 1060     | 0.169    | ug/L # | 1         |
| 13) Acetone                   | 2.172  | 43    | 1704     | 1.639    | ug/L # | 31        |
| 14) Carbon disulfide          | 2.291  | 76    | 1802     | 0.098    | ug/L # | 92        |
| 22) cis-1,2-Dichloroethene    | 3.915  | 96    | 6589     | 0.891    | ug/L   | 90        |
| 25) Chloroform                | 4.384  | 83    | 6037     | 0.452    | ug/L   | 90        |
| 31) Carbon tetrachloride      | 4.831  | 117   | 723      | 0.072    | ug/L # | 50        |
| 34) Trichloroethene           | 5.918  | 95    | 21929    | 2.811    | ug/L   | 98        |
| 42) Toluene                   | 7.400  | 91    | 3778     | 0.134    | ug/L   | 96        |
| 47) Tetrachloroethene         | 7.973  | 164   | 885      | 0.146    | ug/L   | 83        |
| -----                         |        |       |          |          |        |           |

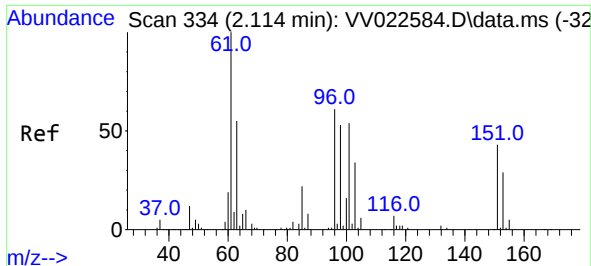
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Wed Oct 06 07:50:25 2021  
Response via : Initial Calibration

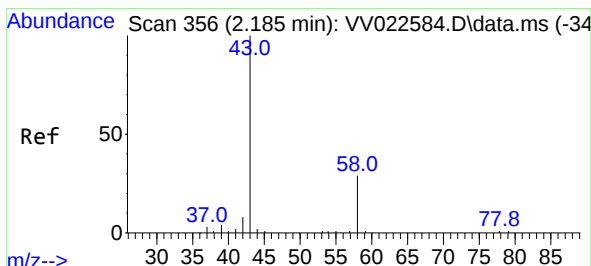
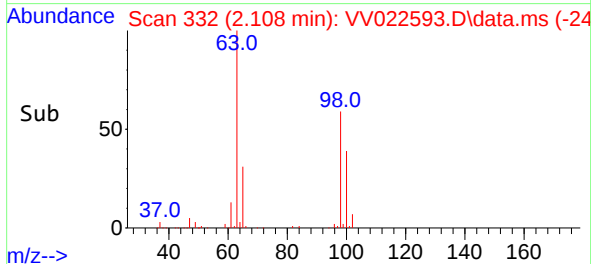
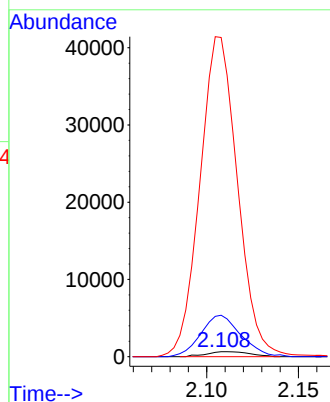
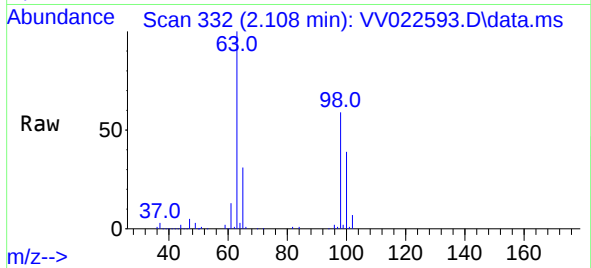




#12  
1,1-Dichloroethene  
Concen: 0.169 ug/L  
RT: 2.108 min Scan# 332  
Delta R.T. -0.006 min  
Lab File: VV022593.D  
Acq: 06 Oct 2021 01:24

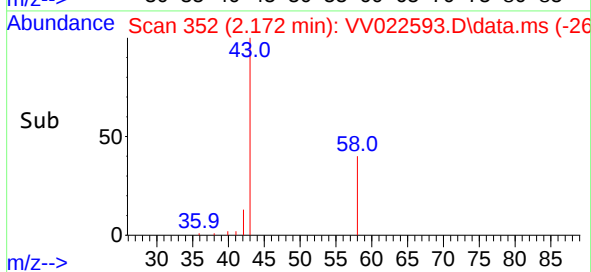
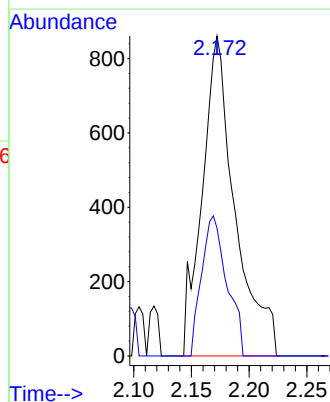
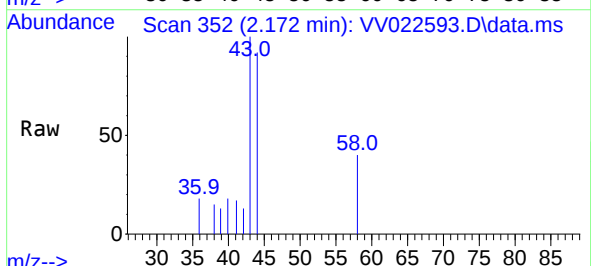
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AT7

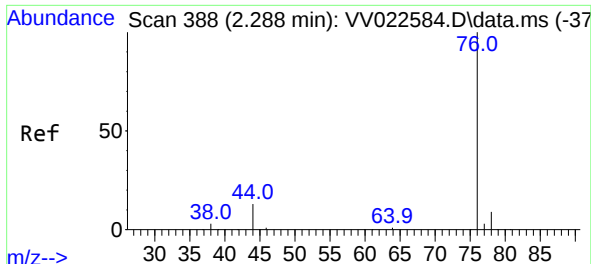
Tgt Ion: 96 Resp: 1060  
Ion Ratio Lower Upper  
96 100  
61 831.9 113.2 210.2#  
63 6398.8 66.6 123.8#



#13  
Acetone  
Concen: 1.639 ug/L  
RT: 2.172 min Scan# 352  
Delta R.T. -0.013 min  
Lab File: VV022593.D  
Acq: 06 Oct 2021 01:24

Tgt Ion: 43 Resp: 1704  
Ion Ratio Lower Upper  
43 100  
58 33.7 0.0 17.6#

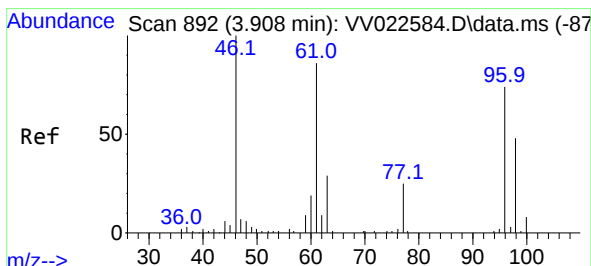
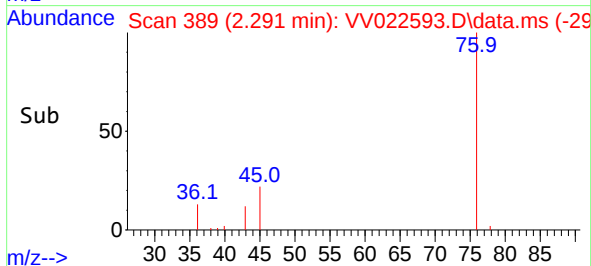
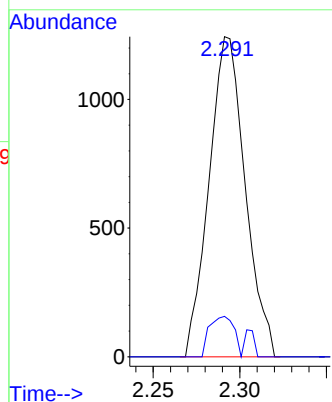
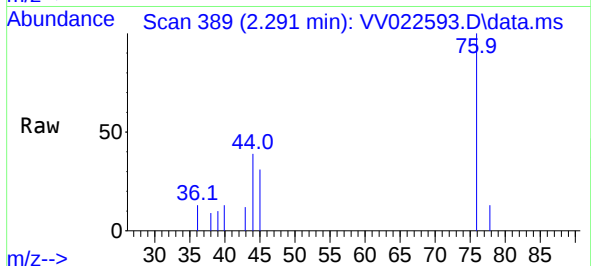




#14  
Carbon disulfide  
Concen: 0.098 ug/L  
RT: 2.291 min Scan# 389  
Delta R.T. 0.003 min  
Lab File: VV022593.D  
Acq: 06 Oct 2021 01:24

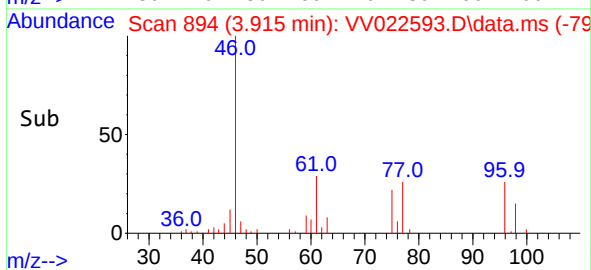
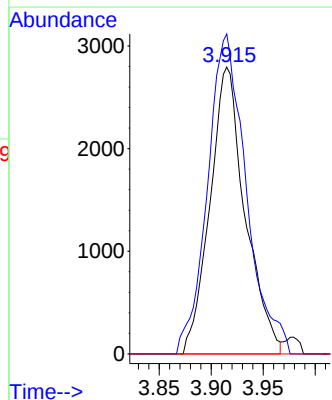
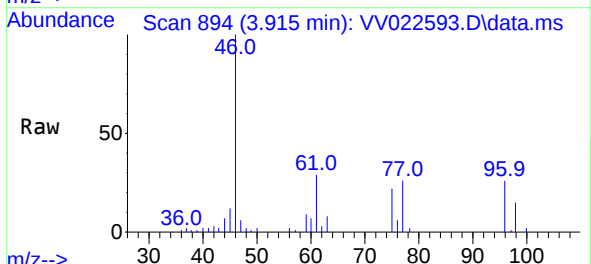
Instrument :  
MSVOA\_V  
ClientSampleId :  
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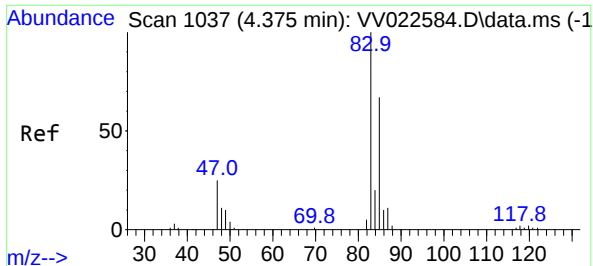
Tgt Ion: 76 Resp: 1802  
Ion Ratio Lower Upper  
76 100  
78 12.6 7.8 11.6#



#22  
cis-1,2-Dichloroethene  
Concen: 0.891 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.006 min  
Lab File: VV022593.D  
Acq: 06 Oct 2021 01:24

Tgt Ion: 96 Resp: 6589  
Ion Ratio Lower Upper  
96 100  
61 111.5 85.6 159.0  
68 0.0 0.0 0.0



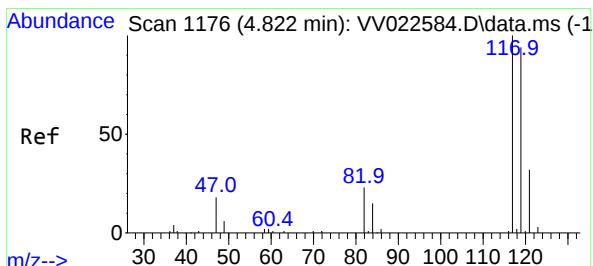
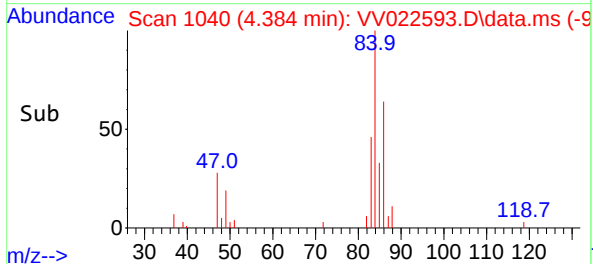
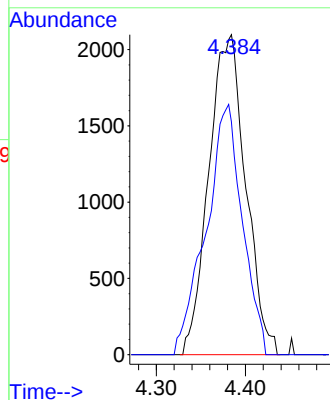
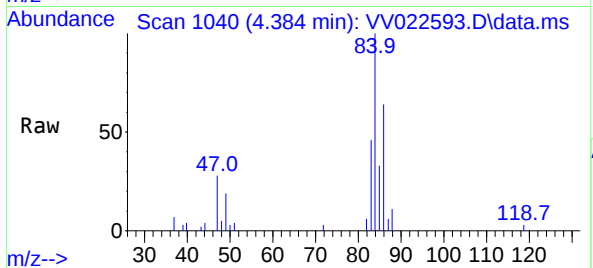


#25

Chloroform  
 Concen: 0.452 ug/L  
 RT: 4.384 min Scan# 1040  
 Delta R.T. 0.010 min  
 Lab File: VV022593.D  
 Acq: 06 Oct 2021 01:24

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 MSVOA\_V  
 ClientSampleId :  
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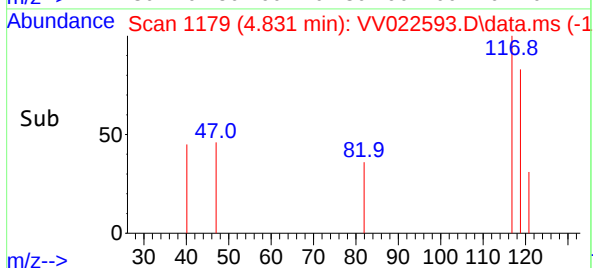
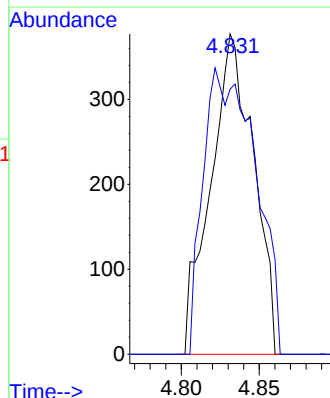
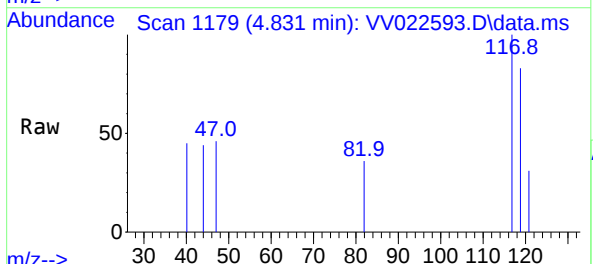
Tgt Ion: 83 Resp: 6037  
 Ion Ratio Lower Upper  
 83 100  
 85 72.8 45.6 84.8

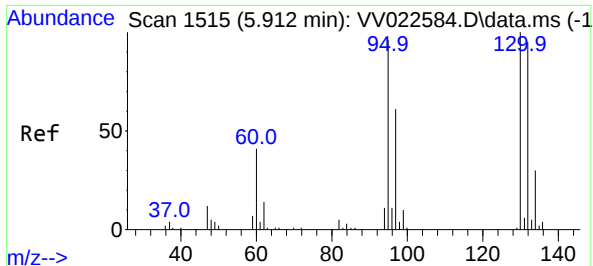


#31

Carbon tetrachloride  
 Concen: 0.072 ug/L  
 RT: 4.831 min Scan# 1179  
 Delta R.T. 0.010 min  
 Lab File: VV022593.D  
 Acq: 06 Oct 2021 01:24

Tgt Ion: 117 Resp: 723  
 Ion Ratio Lower Upper  
 117 100  
 119 47.3 76.9 115.3#

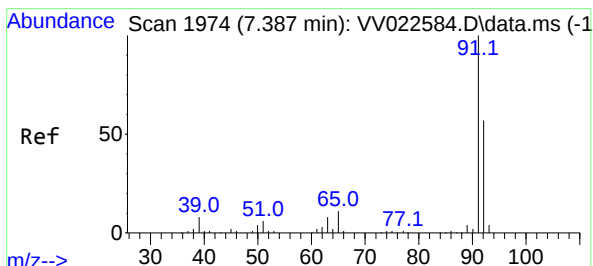
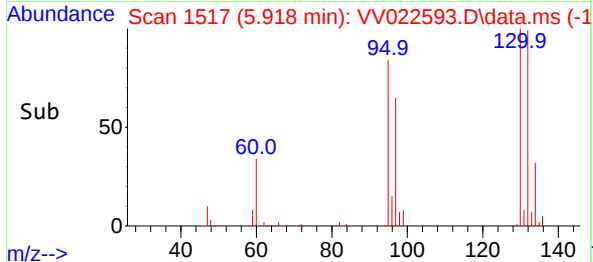
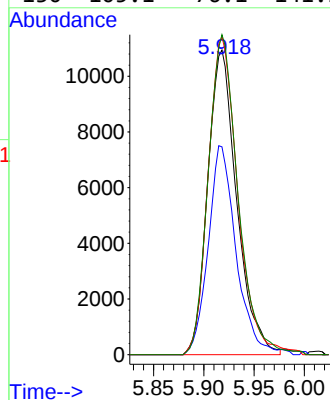
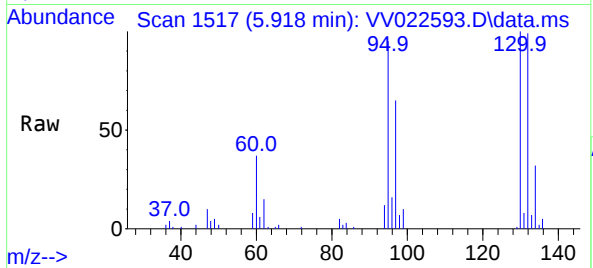




#34  
Trichloroethene  
Concen: 2.811 ug/L  
RT: 5.918 min Scan# 1517  
Delta R.T. 0.006 min  
Lab File: VV022593.D  
Acq: 06 Oct 2021 01:24

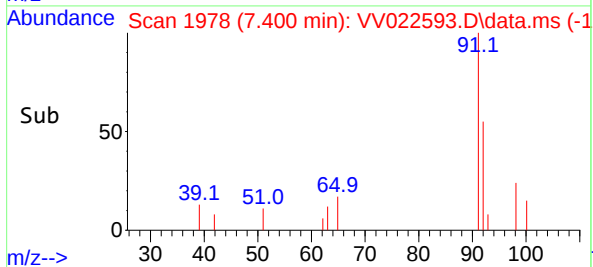
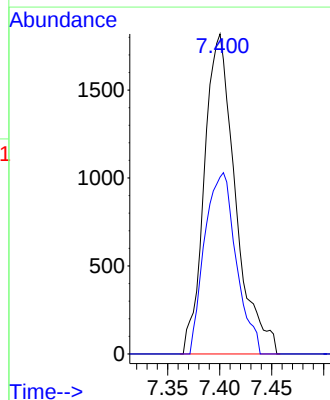
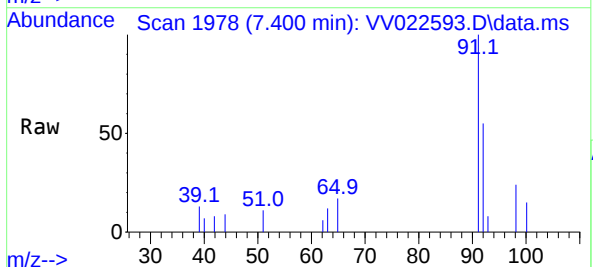
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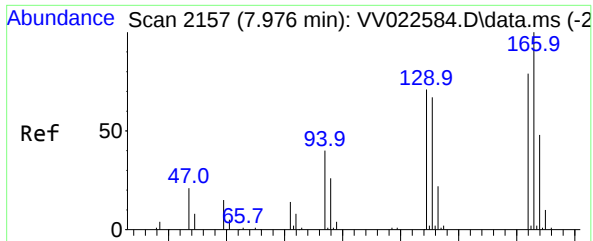
Tgt Ion: 95 Resp: 21929  
Ion Ratio Lower Upper  
95 100  
97 68.2 46.5 86.5  
132 104.5 73.0 135.6  
130 105.1 76.1 141.3



#42  
Toluene  
Concen: 0.134 ug/L  
RT: 7.400 min Scan# 1978  
Delta R.T. 0.013 min  
Lab File: VV022593.D  
Acq: 06 Oct 2021 01:24

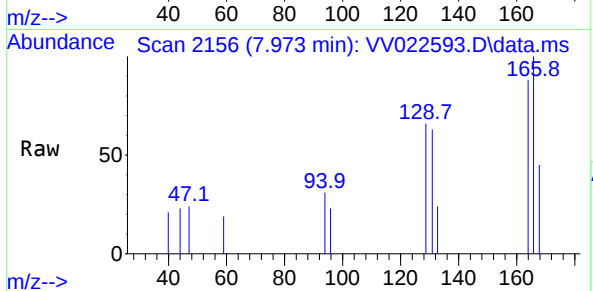
Tgt Ion: 91 Resp: 3778  
Ion Ratio Lower Upper  
91 100  
92 55.3 40.5 75.3





#47  
Tetrachloroethene  
Concen: 0.146 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. -0.003 min  
Lab File: VV022593.D  
Acq: 06 Oct 2021 01:24

Instrument :  
MSVOA\_V  
ClientSampleId :  
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Tgt Ion:164 Resp: 885

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 75.3  | 65.5  | 121.6 |
| 131 | 71.6  | 62.4  | 116.0 |
| 166 | 113.4 | 91.1  | 169.3 |

