

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW102021\  
 Data File : VW022941.D  
 Acq On : 20 Oct 2021 18:53  
 Operator : SY/MD  
 Sample : M4137-10  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 BFGC8

Manual Integrations  
 APPROVED

MMDadoda  
 10/22/2021 11:29:15 AM

Quant Time: Oct 21 02:48:46 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 21 02:43:59 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114   | 123477   | 5.00     | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.854  | 117   | 124687   | 5.00     | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 56750    | 5.00     | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 1.307  | 65    | 31083    | 3.66     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =     | 73.20%   |
| 7) Chloroethane-d5            | 1.568  | 69    | 26681    | 3.49     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =     | 69.80%   |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 42234    | 2.53     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =     | 50.60%#  |
| 20) 2-Butanone-d5             | 3.886  | 46    | 106956   | 48.02    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =     | 96.04%   |
| 24) Chloroform-d              | 4.352  | 84    | 91138    | 5.21     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 104.20%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 44085    | 5.19     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 103.80%  |
| 32) Benzene-d6                | 5.053  | 84    | 177701   | 4.79     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =     | 95.80%   |
| 36) 1,2-Dichloropropane-d6    | 6.072  | 67    | 58817    | 5.35     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =     | 107.00%  |
| 41) Toluene-d8                | 7.320  | 98    | 147980   | 4.61     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =     | 92.20%   |
| 43) trans-1,3-Dichloroprop... | 7.629  | 79    | 16925    | 4.64     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =     | 92.80%   |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 77363    | 52.64    | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =     | 105.28%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.217 | 84    | 41598    | 5.59     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =     | 111.80%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 59623    | 5.67     | ug/L  | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =     | 113.40%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       | Qvalue   |
| 5) Vinyl chloride             | 1.311  | 62    | 2210     | 0.24     | ug/L  | # 73     |
| 13) Acetone                   | 2.179  | 43    | 16507m   | 13.29    | ug/L  |          |
| 17) Methyl tert-butyl Ether   | 2.770  | 73    | 18613    | 1.03     | ug/L  | 96       |
| 19) 1,1-Dichloroethane        | 3.191  | 63    | 25332    | 1.73     | ug/L  | 95       |
| 22) cis-1,2-Dichloroethene    | 3.912  | 96    | 69111    | 8.11     | ug/L  | 95       |
| 25) Chloroform                | 4.381  | 83    | 7640     | 0.45     | ug/L  | 92       |
| 34) Trichloroethene           | 5.928  | 95    | 4468     | 0.49     | ug/L  | 96       |
| 42) Toluene                   | 7.397  | 91    | 7832     | 0.23     | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.976  | 164   | 13804    | 1.87     | ug/L  | 99       |
| 53) m,p-xylene                | 9.143  | 106   | 1156     | 0.09     | ug/L  | 87       |
| -----                         |        |       |          |          |       |          |

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

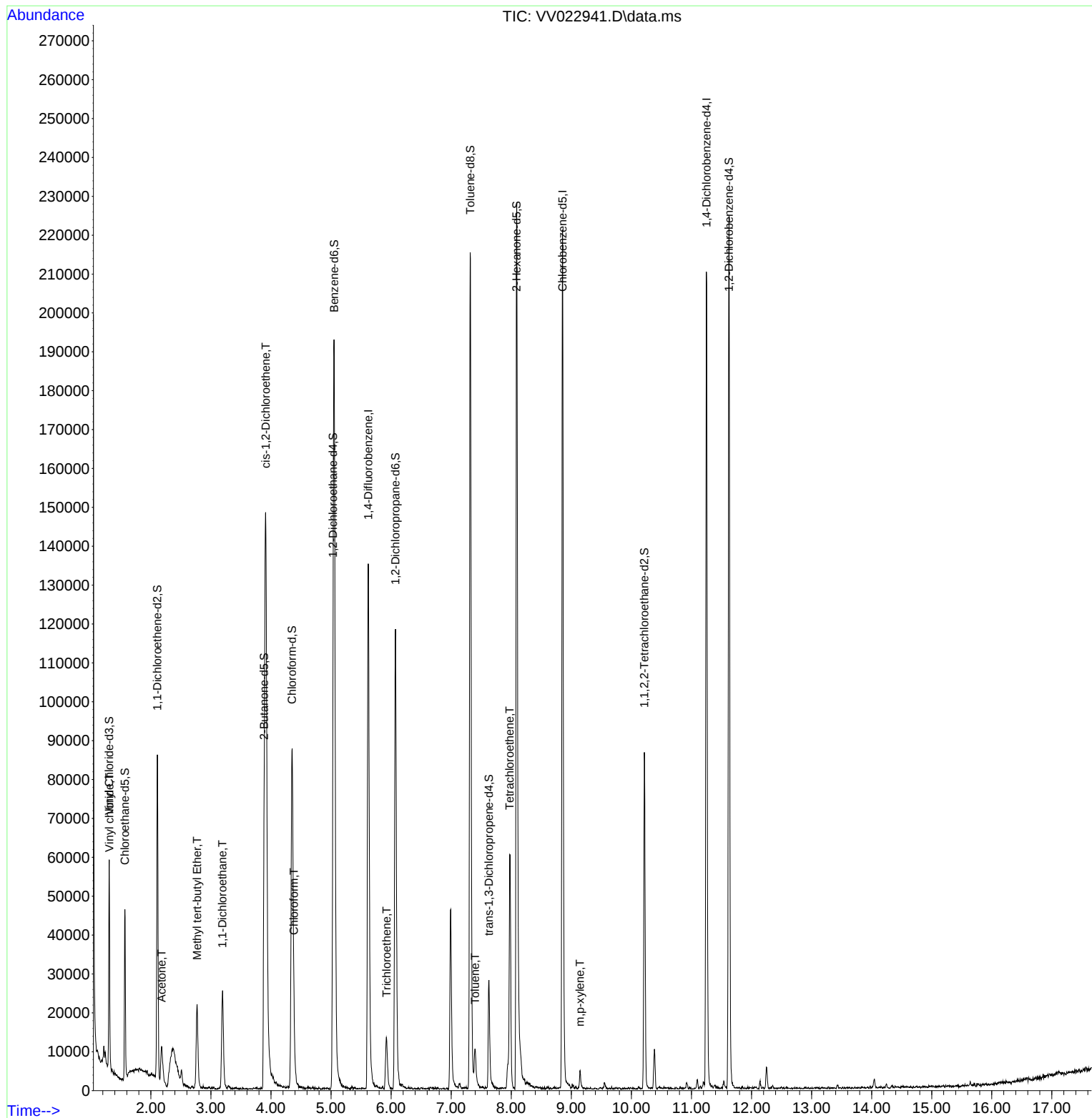
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV102021\  
Data File : VV022941.D  
Acq On : 20 Oct 2021 18:53  
Operator : SY/MD  
Sample : M4137-10  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 17 Sample Multiplier: 1

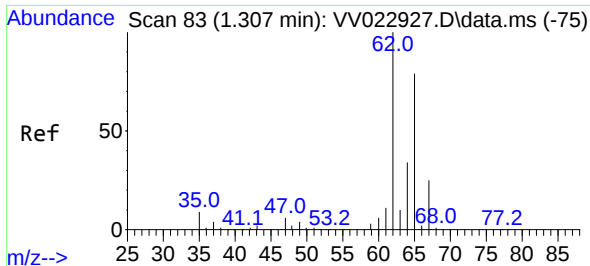
Instrument :  
MSVOA\_V  
ClientSampleId :  
BFGC8

Manual Integrations  
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Quant Time: Oct 21 02:48:46 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100721WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Oct 21 02:43:59 2021  
Response via : Initial Calibration





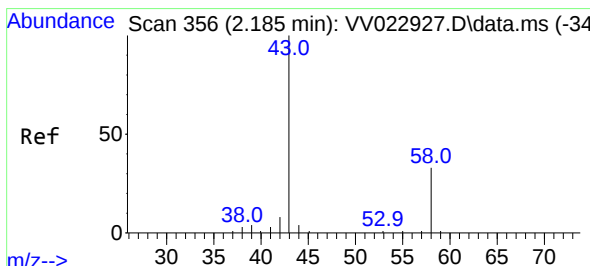
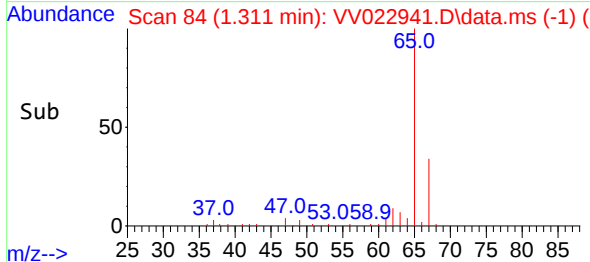
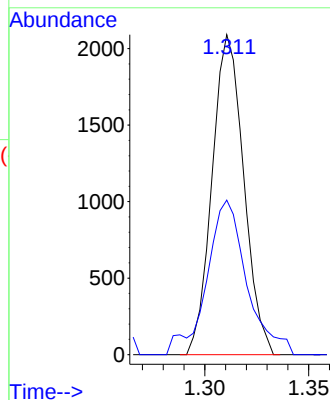
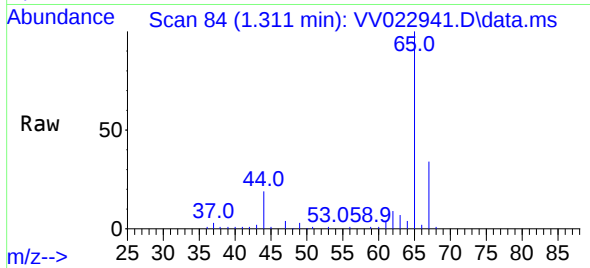
#5  
 Vinyl chloride  
 Concen: 0.24 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV022941.D  
 Acq: 20 Oct 2021 18:53

Tgt Ion: 62 Resp: 2210  
 Ion Ratio Lower Upper  
 62 100  
 64 48.3 23.0 42.8#

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 BFGC8

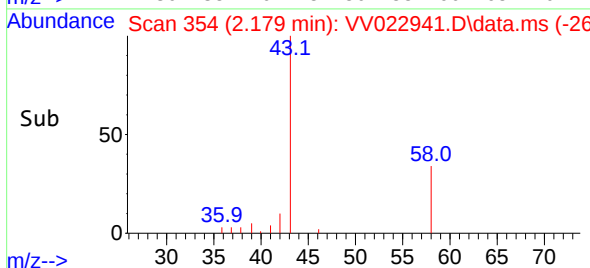
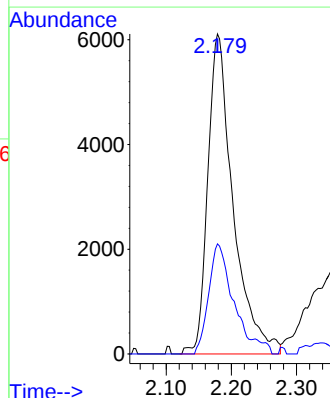
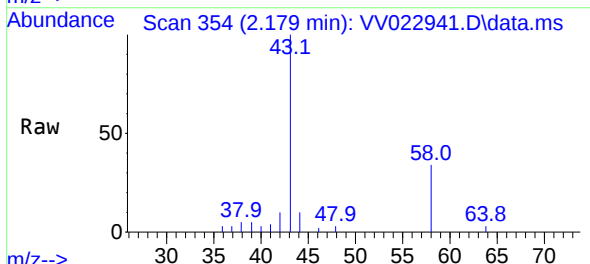
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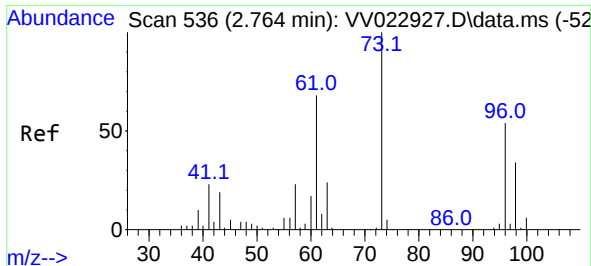
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#13  
 Acetone  
 Concen: 13.29 ug/L m  
 RT: 2.179 min Scan# 354  
 Delta R.T. -0.006 min  
 Lab File: VV022941.D  
 Acq: 20 Oct 2021 18:53

Tgt Ion: 43 Resp: 16507  
 Ion Ratio Lower Upper  
 43 100  
 58 1.7 0.0 24.2





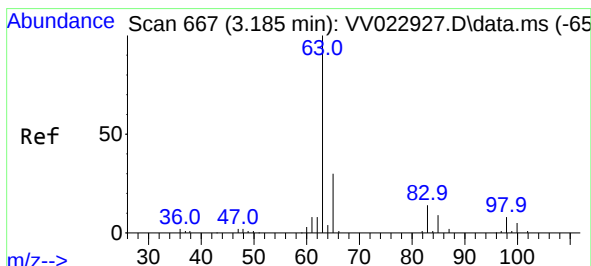
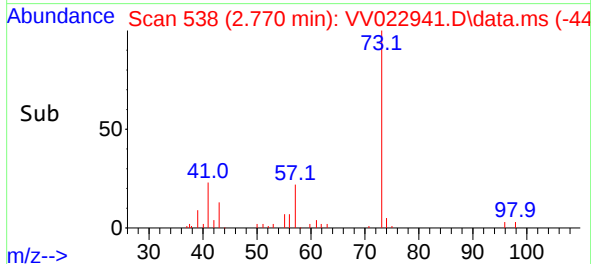
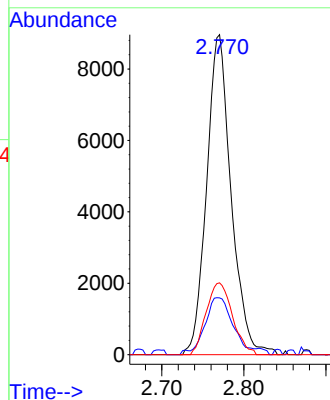
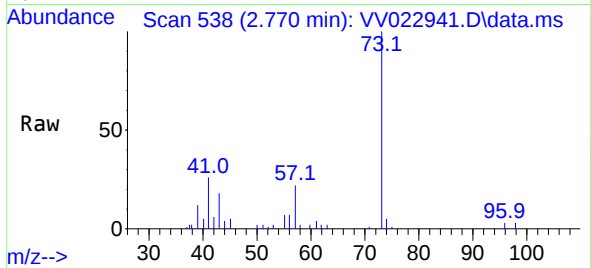
#17  
Methyl tert-butyl Ether  
Concen: 1.03 ug/L  
RT: 2.770 min Scan# 538  
Delta R.T. 0.007 min  
Lab File: VV022941.D  
Acq: 20 Oct 2021 18:53

|             |             |
|-------------|-------------|
| Tgt Ion: 73 | Resp: 18613 |
| Ion Ratio   | Lower Upper |
| 73 100      |             |
| 43 20.7     | 17.1 25.7   |
| 57 24.1     | 17.2 25.8   |

Instrument :  
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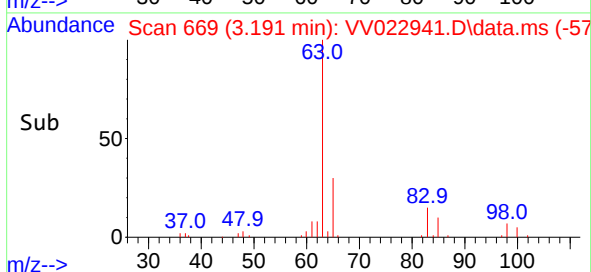
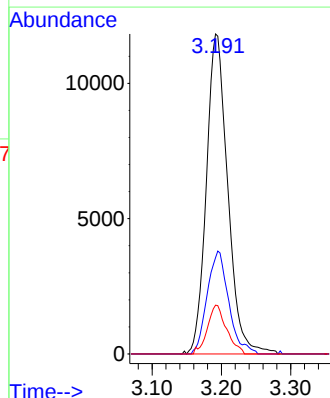
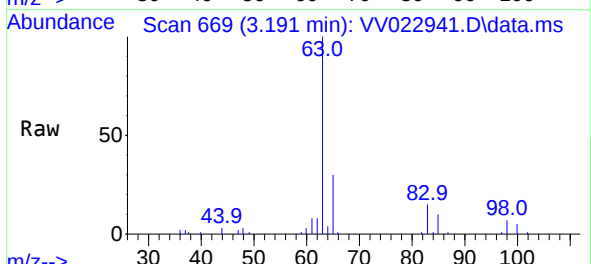
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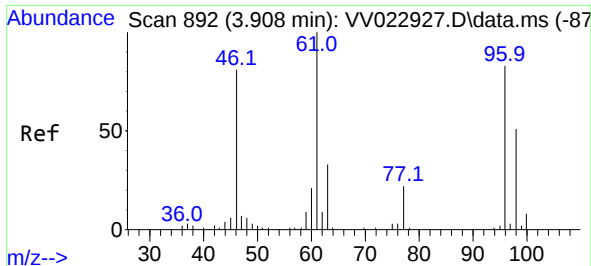
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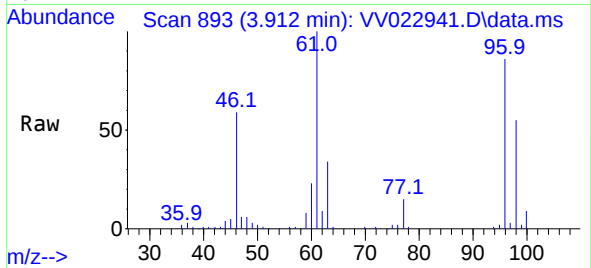
#19  
1,1-Dichloroethane  
Concen: 1.73 ug/L  
RT: 3.191 min Scan# 669  
Delta R.T. 0.007 min  
Lab File: VV022941.D  
Acq: 20 Oct 2021 18:53

|             |             |
|-------------|-------------|
| Tgt Ion: 63 | Resp: 25332 |
| Ion Ratio   | Lower Upper |
| 63 100      |             |
| 65 30.1     | 23.5 43.7   |
| 83 15.3     | 10.1 18.7   |

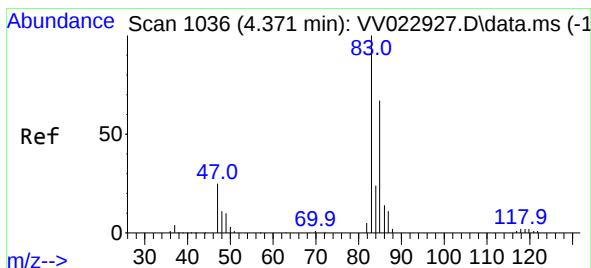
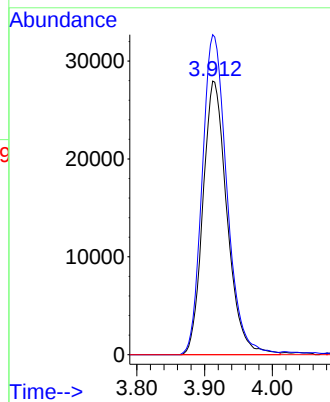
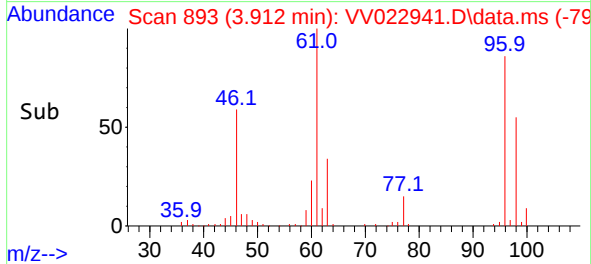




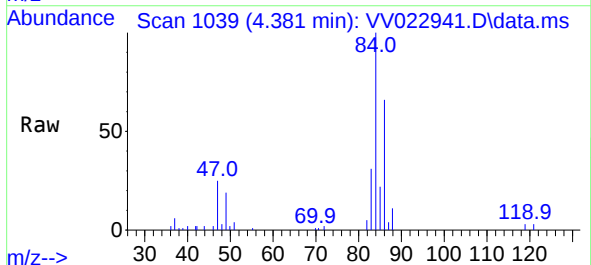
#22  
cis-1,2-Dichloroethene  
Concen: 8.11 ug/L  
RT: 3.912 min Scan# 893  
Delta R.T. 0.003 min  
Lab File: VV022941.D  
Acq: 20 Oct 2021 18:53



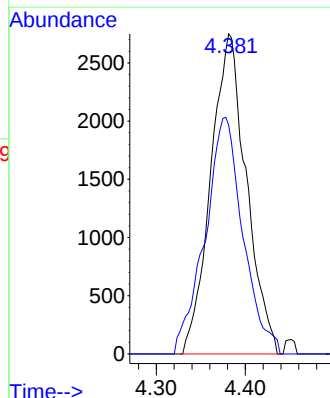
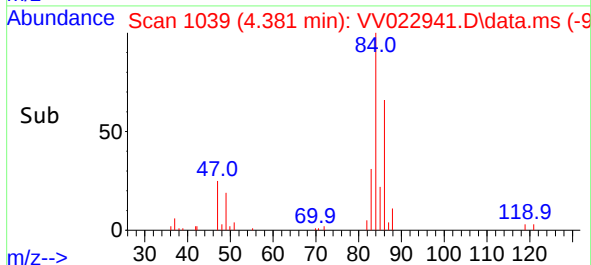
Tgt Ion: 96 Resp: 69111  
Ion Ratio Lower Upper  
96 100  
61 116.9 86.0 159.6  
68 0.0 0.0 0.0



#25  
Chloroform  
Concen: 0.45 ug/L  
RT: 4.381 min Scan# 1039  
Delta R.T. 0.010 min  
Lab File: VV022941.D  
Acq: 20 Oct 2021 18:53



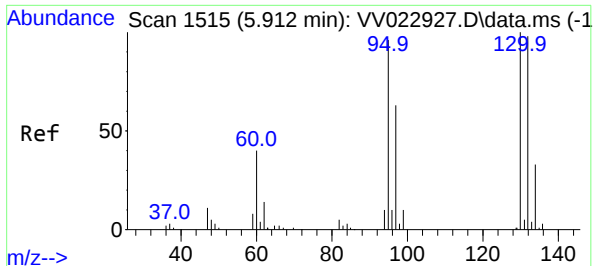
Tgt Ion: 83 Resp: 7640  
Ion Ratio Lower Upper  
83 100  
85 71.5 45.7 84.9



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#34  
Trichloroethene  
Concen: 0.49 ug/L  
RT: 5.928 min Scan# 1520  
Delta R.T. 0.016 min  
Lab File: VV022941.D  
Acq: 20 Oct 2021 18:53

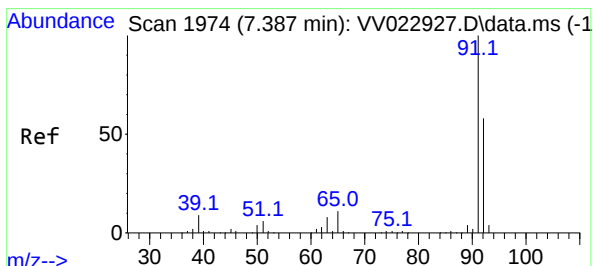
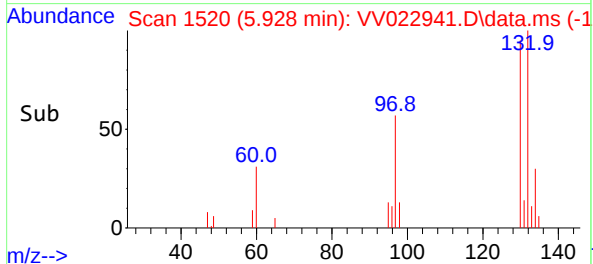
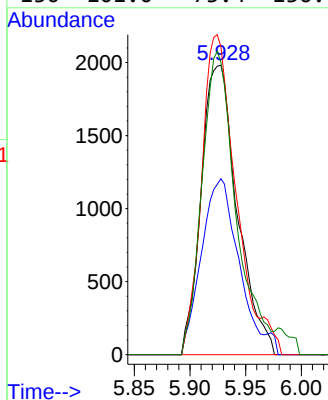
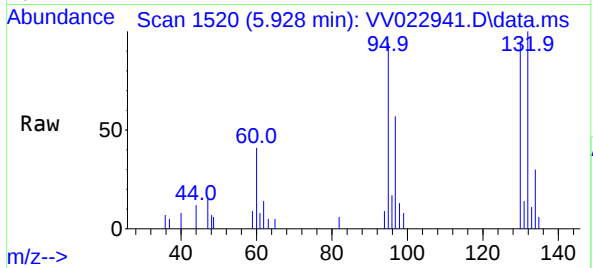
Tgt Ion: 95 Resp: 4468

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 60.8  | 45.8  | 85.2  |
| 132 | 106.4 | 72.2  | 134.0 |
| 130 | 101.0 | 73.4  | 136.4 |

Instrument :  
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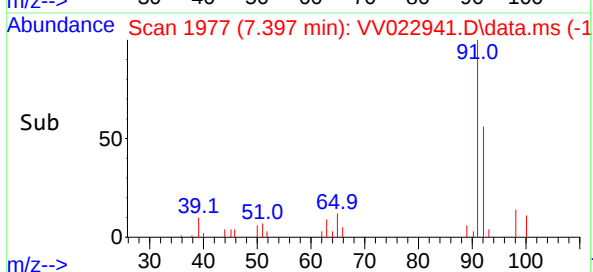
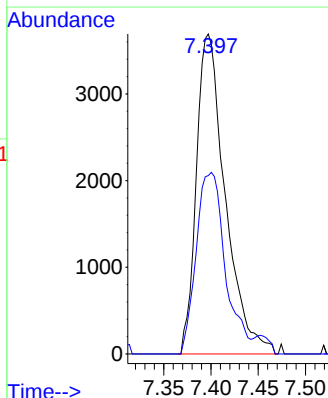
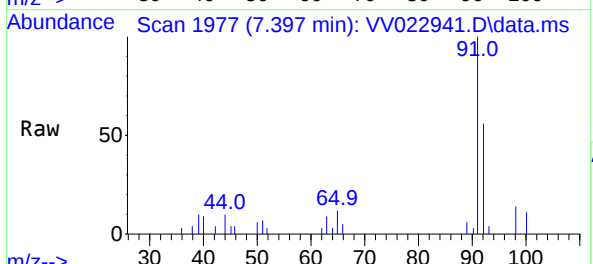
MMDadoda  
10/22/2021 11:29:15 AM

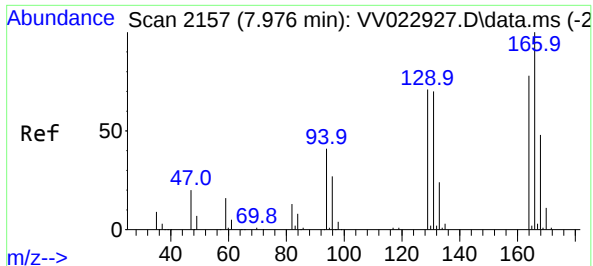


#42  
Toluene  
Concen: 0.23 ug/L  
RT: 7.397 min Scan# 1977  
Delta R.T. 0.010 min  
Lab File: VV022941.D  
Acq: 20 Oct 2021 18:53

Tgt Ion: 91 Resp: 7832

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 55.7  | 40.7  | 75.7  |





#47  
Tetrachloroethene  
Concen: 1.87 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.000 min  
Lab File: VV022941.D  
Acq: 20 Oct 2021 18:53

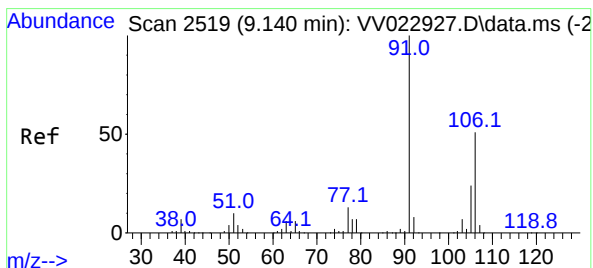
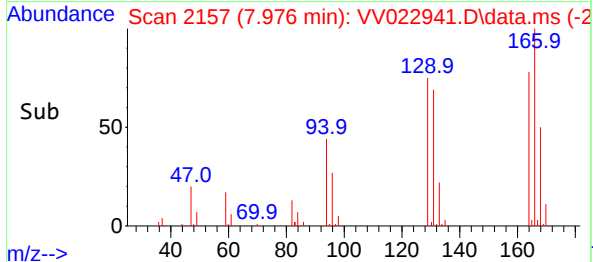
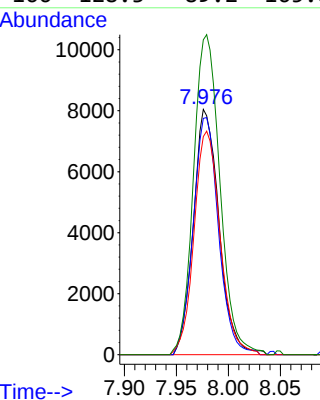
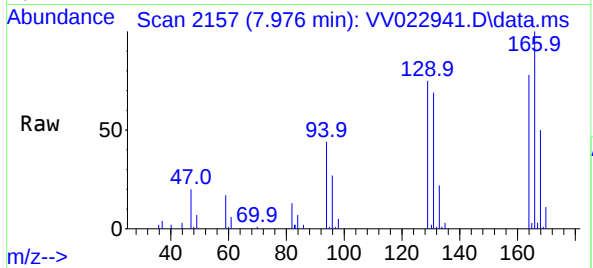
Tgt Ion:164 Resp: 13804

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 96.3  | 65.0  | 120.6 |
| 131 | 88.9  | 62.2  | 115.4 |
| 166 | 128.3 | 89.2  | 165.8 |

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#53  
m,p-xylene  
Concen: 0.09 ug/L  
RT: 9.143 min Scan# 2520  
Delta R.T. 0.003 min  
Lab File: VV022941.D  
Acq: 20 Oct 2021 18:53

Tgt Ion:106 Resp: 1156

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 106 | 100   |       |       |
| 91  | 217.8 | 138.7 | 257.5 |

