

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW112621\  
 Data File : VW020952.D  
 Acq On : 26 Nov 2021 13:02  
 Operator : SY/VA  
 Sample : M4833-19  
 Misc : 4.60g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ESQN6

Quant Time: Nov 27 00:57:20 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM111521SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Nov 27 00:54:15 2021  
 Response via : Initial Calibration

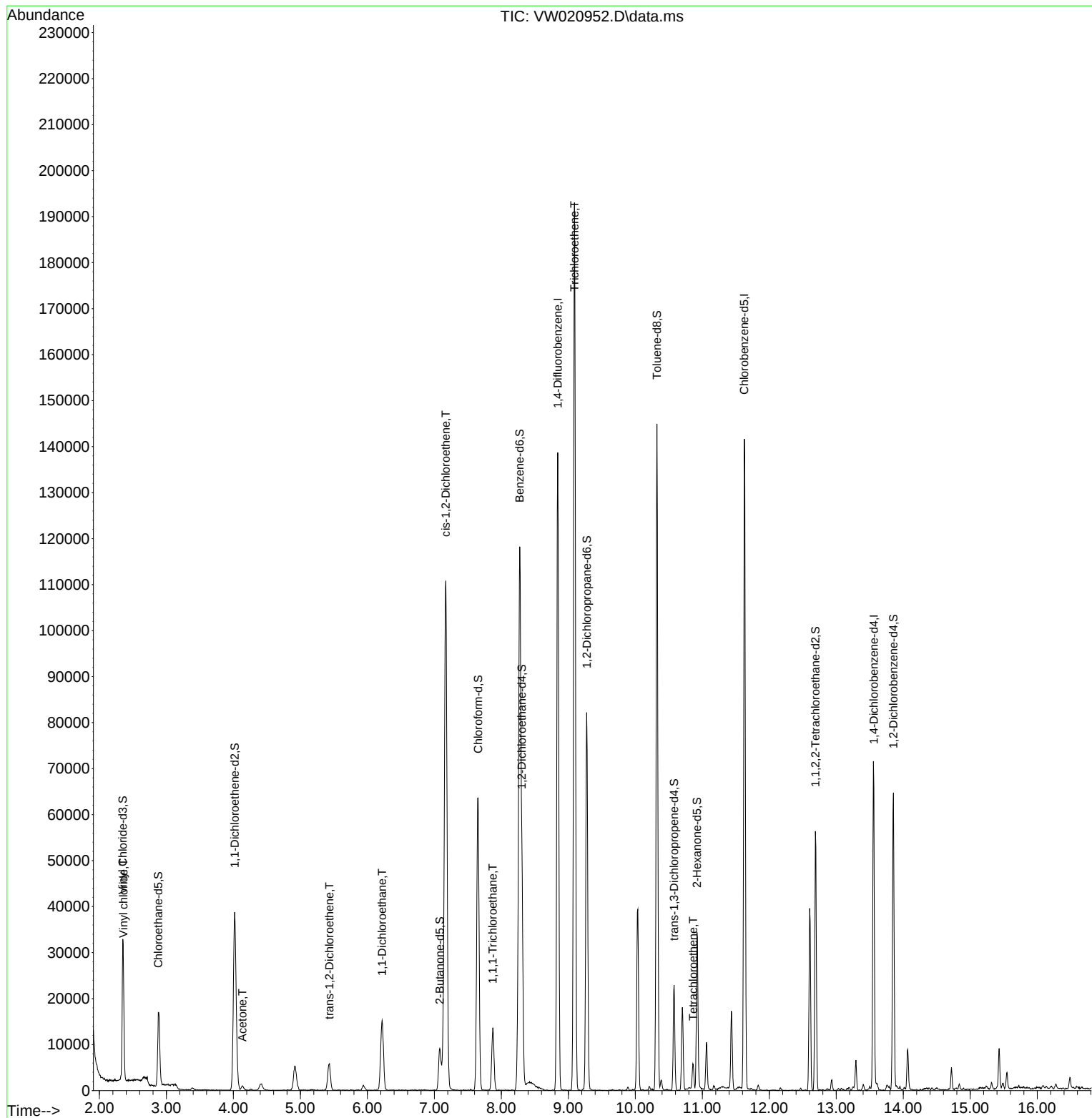
| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 119914     | 25.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 79855      | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 19116      | 25.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 2.349          | 65   | 27295      | 19.623   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 78.480%  |       |          |
| 7) Chloroethane-d5            | 2.879          | 69   | 18737      | 20.887   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 83.560%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 4.019          | 63   | 35001      | 13.006   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 52.040%  |       |          |
| 21) 2-Butanone-d5             | 7.080          | 46   | 15955      | 45.956   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 91.920%  |       |          |
| 24) Chloroform-d              | 7.653          | 84   | 64047      | 21.198   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 84.800%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 32803      | 21.389   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 85.560%  |       |          |
| 32) Benzene-d6                | 8.275          | 84   | 111617     | 26.520   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 106.080% |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.275          | 67   | 35101      | 29.288   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 117.160% |       |          |
| 41) Toluene-d8                | 10.323         | 98   | 93637      | 22.415   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 89.680%  |       |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 12059      | 21.288   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 85.160%  |       |          |
| 47) 2-Hexanone-d5             | 10.921         | 63   | 11421      | 57.458   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 114.920% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689         | 84   | 25658      | 27.947   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 111.800% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 16967      | 24.903   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 99.600%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 5) Vinyl chloride             | 2.361          | 62   | 2314       | 1.268    | ug/L  | # 9      |
| 13) Acetone                   | 4.135          | 43   | 1702       | 5.491    | ug/L  | 83       |
| 17) trans-1,2-Dichloroethene  | 5.434          | 96   | 3616       | 2.233    | ug/L  | 83       |
| 19) 1,1-Dichloroethane        | 6.220          | 63   | 21270      | 7.927    | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 7.171          | 96   | 65574      | 37.574   | ug/L  | 81       |
| 30) 1,1,1-Trichloroethane     | 7.872          | 97   | 10738      | 5.592    | ug/L  | 94       |
| 34) Trichloroethene           | 9.092          | 95   | 62020      | 49.041   | ug/L  | 91       |
| 46) Tetrachloroethene         | 10.866         | 164  | 1252       | 1.078    | ug/L  | 93       |
| -----                         |                |      |            |          |       |          |

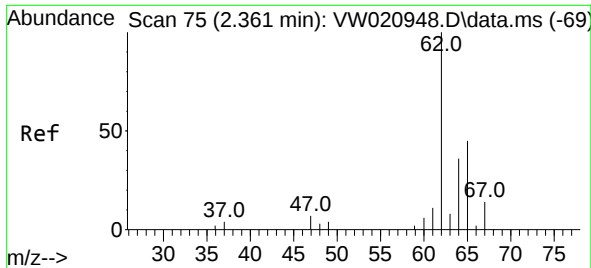
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SFAM01.0  
QLast Update : Sat Nov 27 00:54:15 2021  
Response via : Initial Calibration

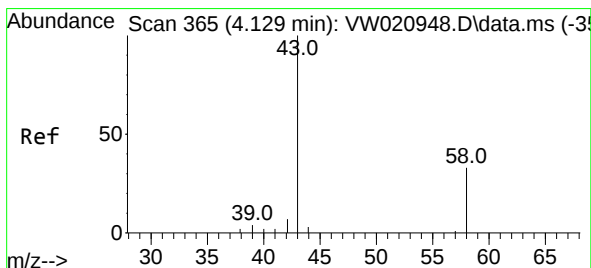
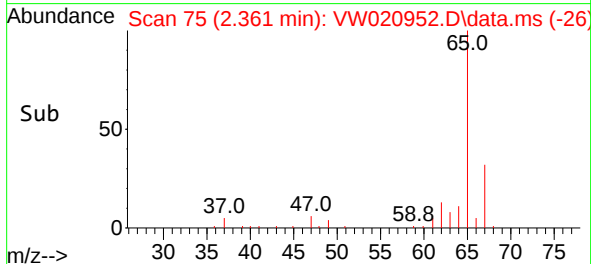
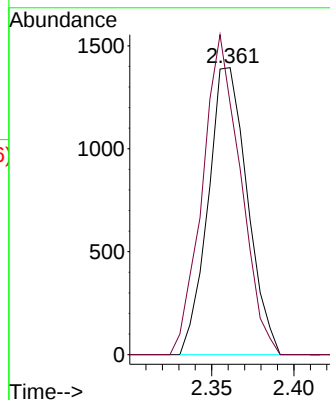
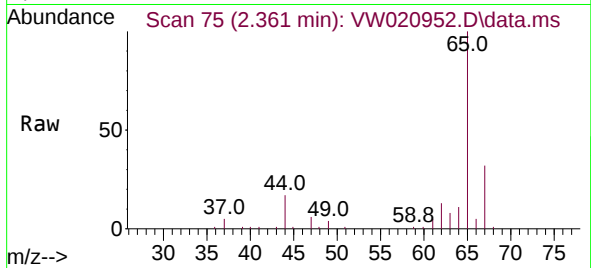




#5  
 Vinyl chloride  
 Concen: 1.268 ug/L  
 RT: 2.361 min Scan# 71  
 Delta R.T. 0.000 min  
 Lab File: VW020952.D  
 Acq: 26 Nov 2021 13:02

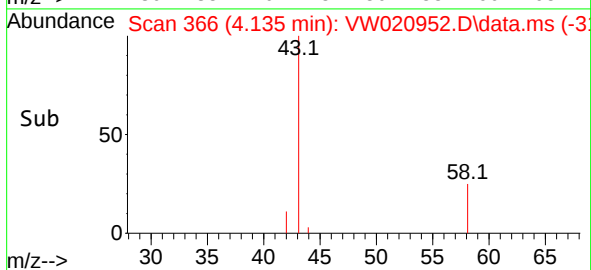
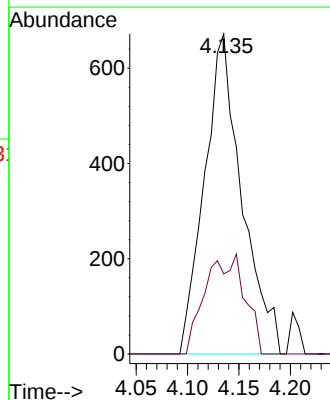
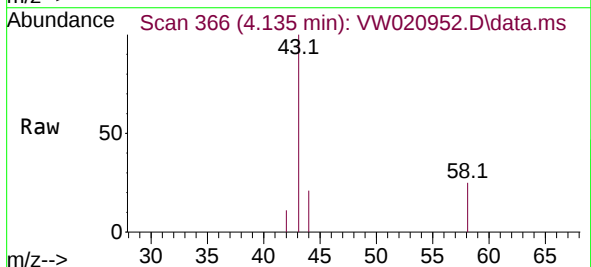
Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 ESQN6

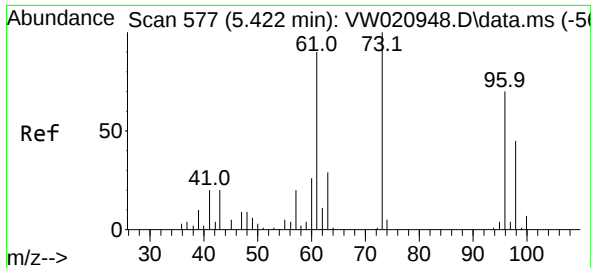
Tgt Ion: 62 Resp: 2314  
 Ion Ratio Lower Upper  
 62 100  
 64 87.5 24.4 45.2#



#13  
 Acetone  
 Concen: 5.491 ug/L  
 RT: 4.135 min Scan# 366  
 Delta R.T. 0.006 min  
 Lab File: VW020952.D  
 Acq: 26 Nov 2021 13:02

Tgt Ion: 43 Resp: 1702  
 Ion Ratio Lower Upper  
 43 100  
 58 17.9 0.0 52.8

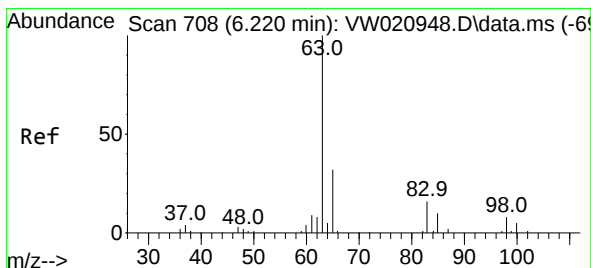
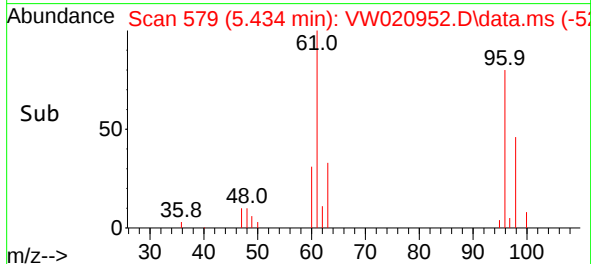
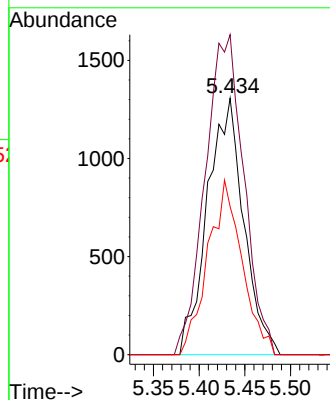
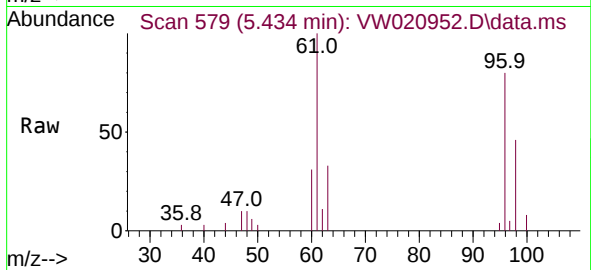




#17  
trans-1,2-Dichloroethene  
Concen: 2.233 ug/L  
RT: 5.434 min Scan# 517  
Delta R.T. 0.012 min  
Lab File: VW020952.D  
Acq: 26 Nov 2021 13:02

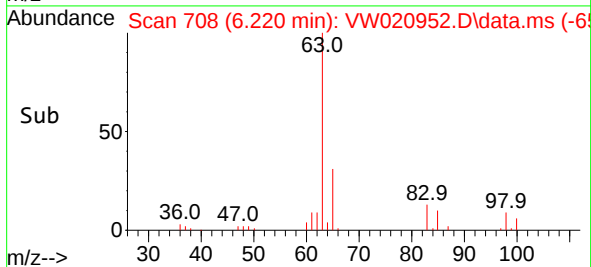
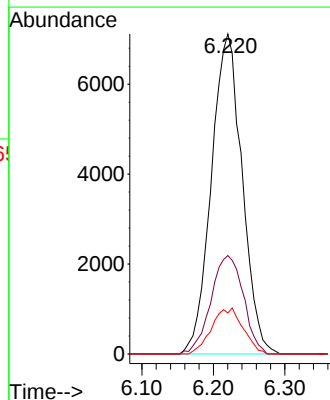
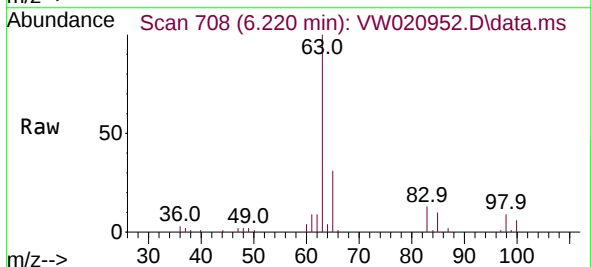
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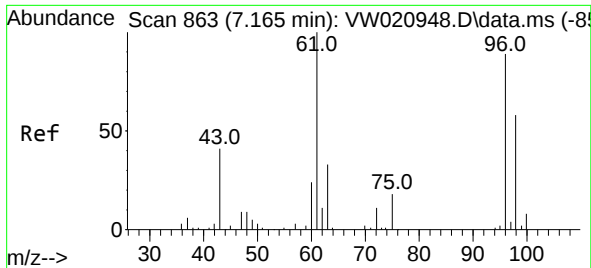
Tgt Ion: 96 Resp: 3616  
Ion Ratio Lower Upper  
96 100  
61 124.8 107.4 199.4  
98 57.7 41.2 76.6



#19  
1,1-Dichloroethane  
Concen: 7.927 ug/L  
RT: 6.220 min Scan# 708  
Delta R.T. 0.000 min  
Lab File: VW020952.D  
Acq: 26 Nov 2021 13:02

Tgt Ion: 63 Resp: 21270  
Ion Ratio Lower Upper  
63 100  
65 30.7 22.1 41.1  
83 12.8 9.2 17.2

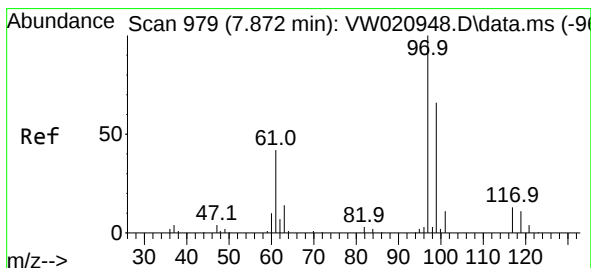
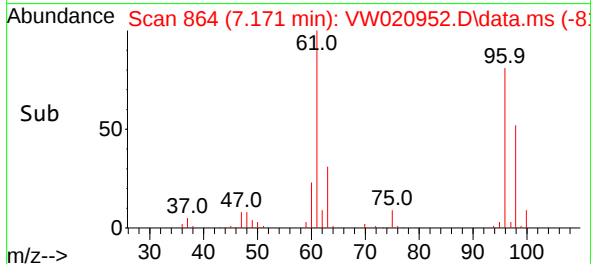
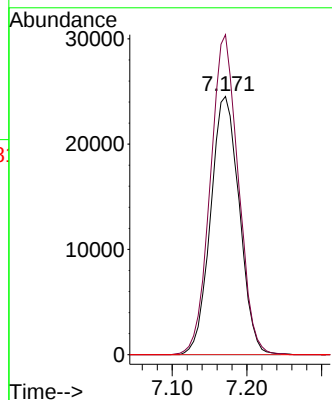
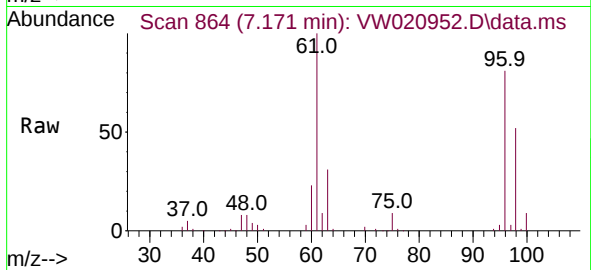




#20  
 cis-1,2-Dichloroethene  
 Concen: 37.574 ug/L  
 RT: 7.171 min Scan# 864  
 Delta R.T. 0.006 min  
 Lab File: VW020952.D  
 Acq: 26 Nov 2021 13:02

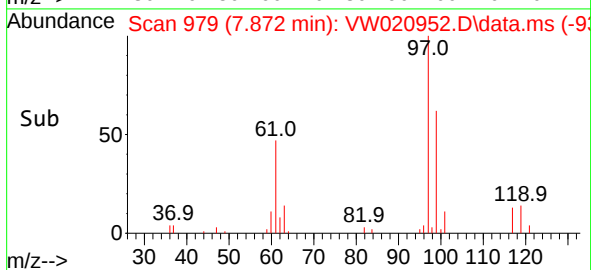
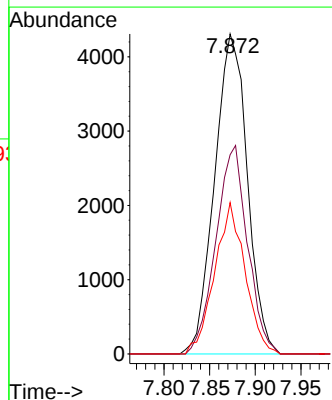
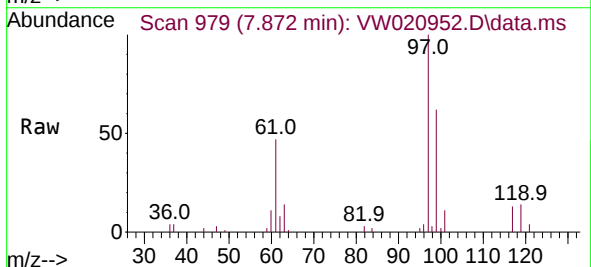
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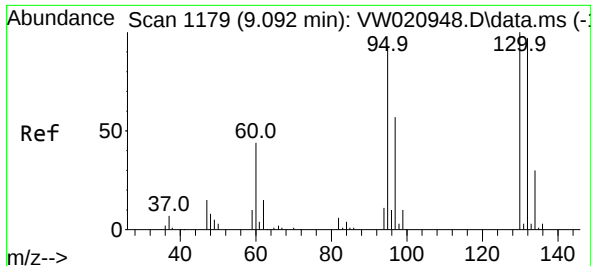
Tgt Ion: 96 Resp: 65574  
 Ion Ratio Lower Upper  
 96 100  
 61 123.9 103.7 192.7  
 68 0.0 0.0 0.0



#30  
 1,1,1-Trichloroethane  
 Concen: 5.592 ug/L  
 RT: 7.872 min Scan# 979  
 Delta R.T. 0.000 min  
 Lab File: VW020952.D  
 Acq: 26 Nov 2021 13:02

Tgt Ion: 97 Resp: 10738  
 Ion Ratio Lower Upper  
 97 100  
 99 63.0 51.6 77.4  
 61 44.0 40.9 61.3



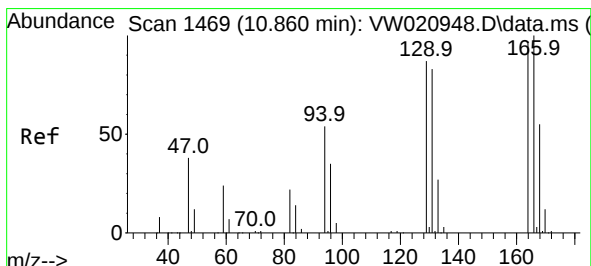
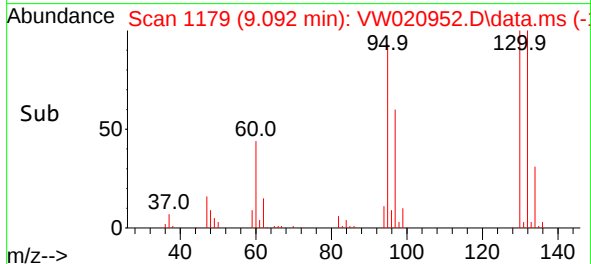
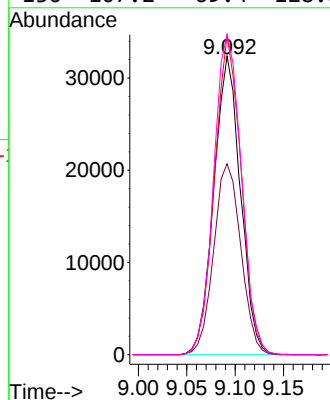
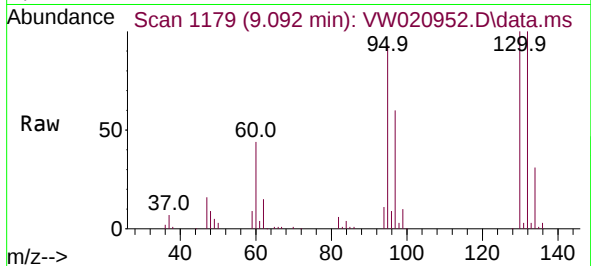


#34  
Trichloroethene  
Concen: 49.041 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. 0.000 min  
Lab File: VW020952.D  
Acq: 26 Nov 2021 13:02

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Tgt Ion: 95 Resp: 62020

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 63.9  | 47.0  | 87.2  |
| 132 | 106.9 | 65.5  | 121.6 |
| 130 | 107.2 | 69.4  | 128.8 |



#46  
Tetrachloroethene  
Concen: 1.078 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VW020952.D  
Acq: 26 Nov 2021 13:02

Tgt Ion: 164 Resp: 1252

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 76.7  | 65.5  | 121.7 |
| 131 | 80.7  | 59.7  | 110.9 |
| 166 | 127.9 | 88.7  | 164.7 |

