

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW083021\  
 Data File : VW019937.D  
 Acq On : 30 Aug 2021 14:21  
 Operator : SY/VA  
 Sample : M3579-04  
 Misc : 6.68g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 GB6A6

Manual Integrations  
 APPROVED

MMDadoda  
 9/1/2021 6:40:17 PM

Quant Time: Aug 31 01:03:52 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Tue Aug 31 01:00:58 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|-----------|--------|----------|
| -----                         |                |      |            |           |        |          |
| Internal Standards            |                |      |            |           |        |          |
| 1) 1,4-Difluorobenzene        | 8.848          | 114  | 303252     | 25.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.634         | 117  | 254059     | 25.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 85222      | 25.000    | ug/L   | 0.00     |
|                               |                |      |            |           |        |          |
| System Monitoring Compounds   |                |      |            |           |        |          |
| 4) Vinyl Chloride-d3          | 2.361          | 65   | 98491      | 20.962    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 83.840%   |        |          |
| 7) Chloroethane-d5            | 2.898          | 69   | 89205      | 21.630    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 86.520%   |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.025          | 63   | 115512     | 14.168    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 56.680%   |        |          |
| 21) 2-Butanone-d5             | 7.086          | 46   | 71761      | 75.191    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 150.380%# |        |          |
| 24) Chloroform-d              | 7.653          | 84   | 181818     | 21.801    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 87.200%   |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.311          | 65   | 115973     | 25.804    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 103.200%  |        |          |
| 32) Benzene-d6                | 8.281          | 84   | 352626     | 24.343    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 97.360%   |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.275          | 67   | 114602     | 26.125    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 104.480%  |        |          |
| 41) Toluene-d8                | 10.329         | 98   | 293404     | 22.102    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 88.400%   |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 49941      | 27.558    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 110.240%  |        |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 53274      | 87.176    | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 174.360%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695         | 84   | 112229     | 31.434    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 125.720%# |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 65552      | 22.424    | ug/L   | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 89.680%   |        |          |
|                               |                |      |            |           |        |          |
| Target Compounds              |                |      |            |           | Qvalue |          |
| 13) Acetone                   | 4.135          | 43   | 6950       | 8.530     | ug/L   | 93       |
| 16) Methylene chloride        | 4.928          | 84   | 8548       | 1.642     | ug/L   | 94       |
| 20) cis-1,2-Dichloroethene    | 7.177          | 96   | 35443      | 8.117     | ug/L   | 94       |
| 29) Cyclohexane               | 7.958          | 56   | 1840m      | 0.308     | ug/L   |          |
| 33) Benzene                   | 8.330          | 78   | 7455       | 0.478     | ug/L   | 100      |
| 34) Trichloroethene           | 9.098          | 95   | 77919      | 19.222    | ug/L   | 94       |
| 35) Methylcyclohexane         | 9.335          | 83   | 3028       | 0.436     | ug/L   | 95       |
| 42) Toluene                   | 10.390         | 91   | 24421      | 1.478     | ug/L   | 98       |
| 46) Tetrachloroethene         | 10.866         | 164  | 7118444    | 2318.299  | ug/L   | 93       |
| 52) Ethylbenzene              | 11.731         | 91   | 15473      | 0.870     | ug/L   | 98       |
| -----                         |                |      |            |           |        |          |

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

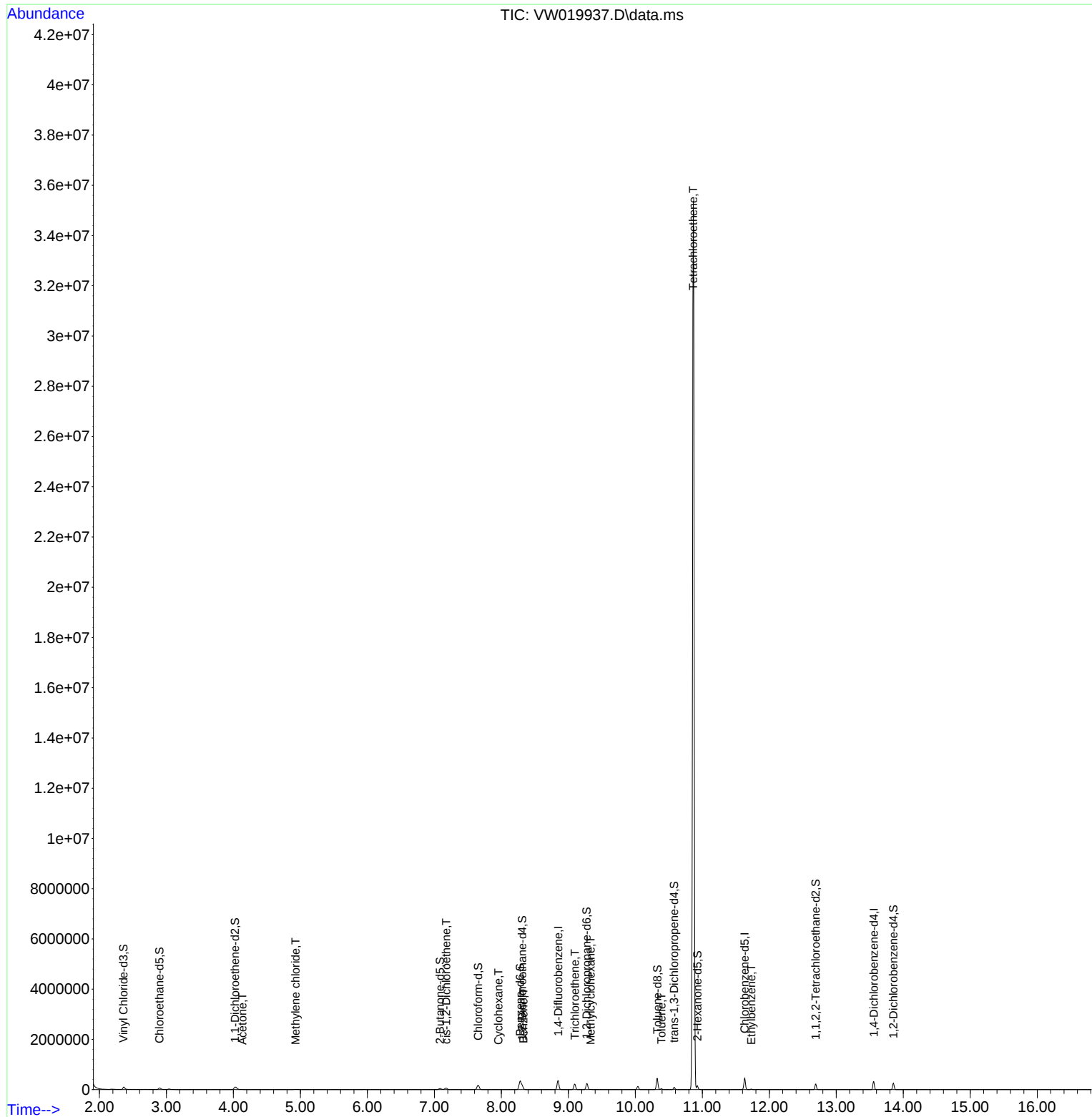
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW083021\  
Data File : VW019937.D  
Acq On : 30 Aug 2021 14:21  
Operator : SY/VA  
Sample : M3579-04  
Misc : 6.68g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

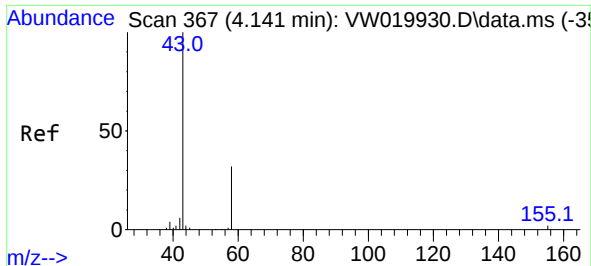
Instrument :  
MSVOA\_W  
ClientSampleId :  
GB6A6

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Quant Time: Aug 31 01:03:52 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM081821SMA.M  
Quant Title : SFAM01.0  
QLast Update : Tue Aug 31 01:00:58 2021  
Response via : Initial Calibration





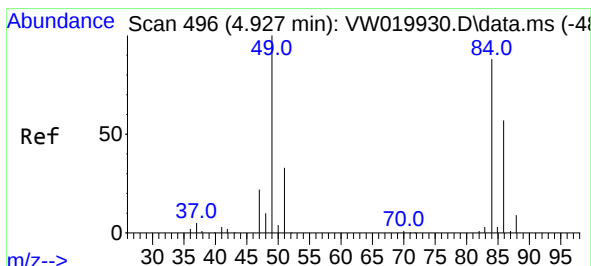
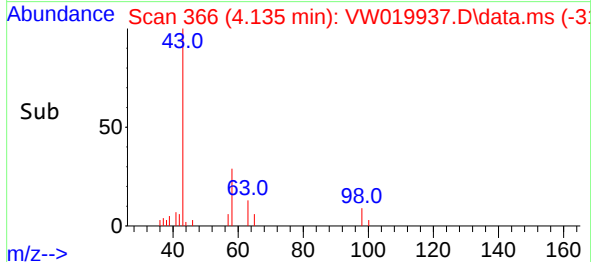
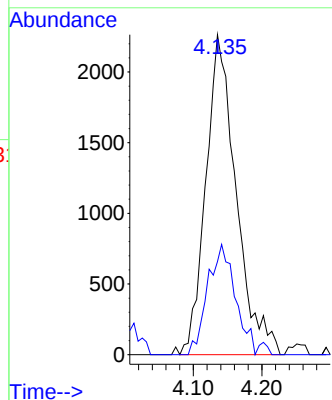
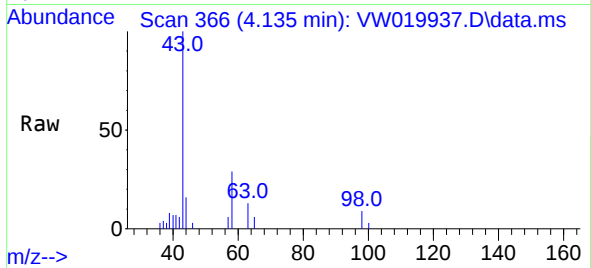
#13  
Acetone  
Concen: 8.530 ug/L  
RT: 4.135 min Scan# 366  
Delta R.T. -0.006 min  
Lab File: VW019937.D  
Acq: 30 Aug 2021 14:21

Tgt Ion: 43 Resp: 6950  
Ion Ratio Lower Upper  
43 100  
58 30.4 0.0 53.8

Instrument :  
MSVOA\_W  
ClientSampled :  
GB6A6

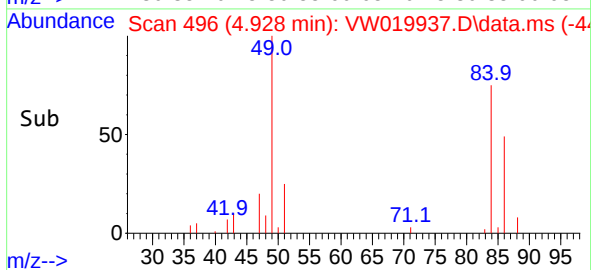
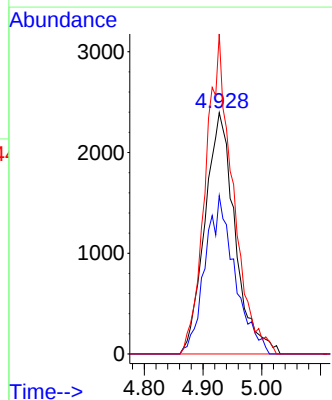
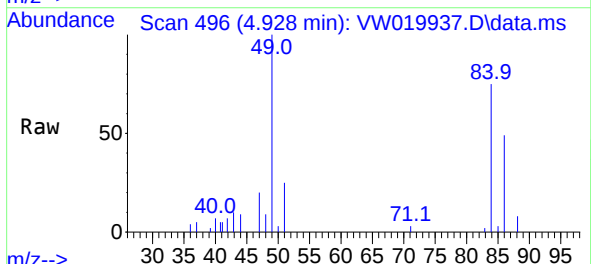
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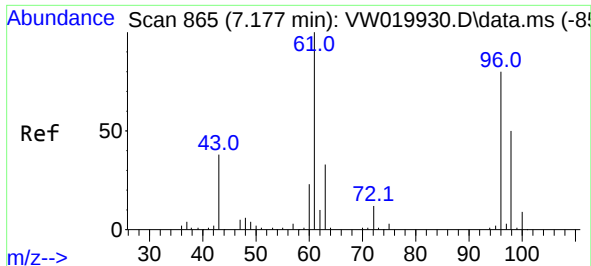
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#16  
Methylene chloride  
Concen: 1.642 ug/L  
RT: 4.928 min Scan# 496  
Delta R.T. 0.000 min  
Lab File: VW019937.D  
Acq: 30 Aug 2021 14:21

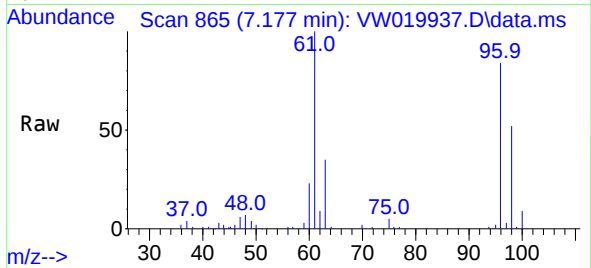
Tgt Ion: 84 Resp: 8548  
Ion Ratio Lower Upper  
84 100  
86 65.6 45.3 84.1  
49 132.6 86.6 160.8





#20  
 cis-1,2-Dichloroethene  
 Concen: 8.117 ug/L  
 RT: 7.177 min Scan# 865  
 Delta R.T. 0.000 min  
 Lab File: VW019937.D  
 Acq: 30 Aug 2021 14:21

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 GB6A6

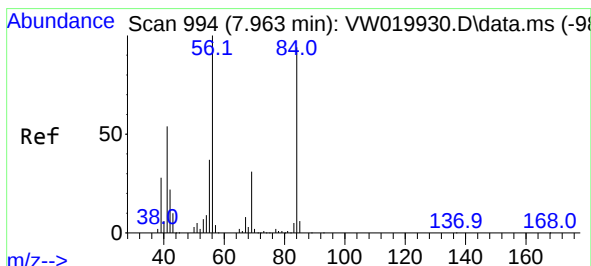
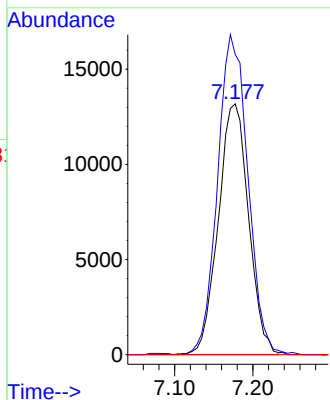
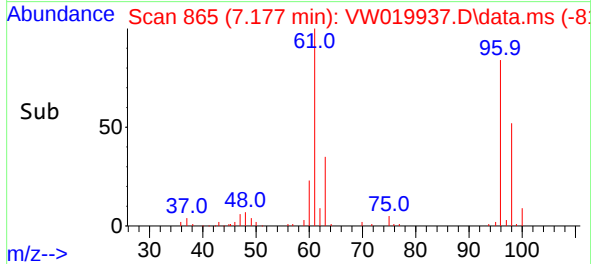


Tgt Ion: 96 Resp: 35443

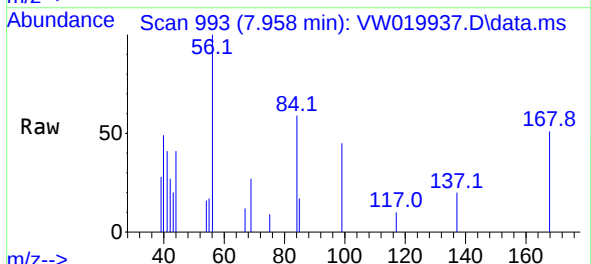
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 119.7 | 88.5  | 164.3 |
| 68  | 0.0   | 0.0   | 0.0   |

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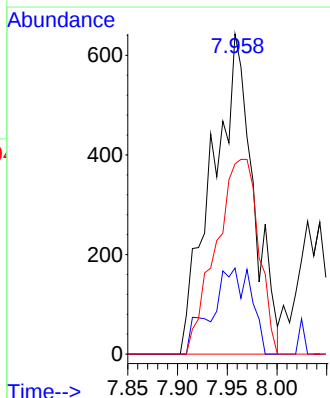
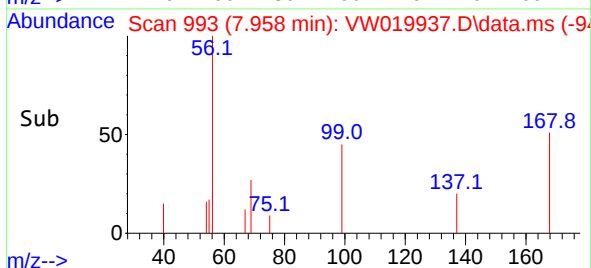


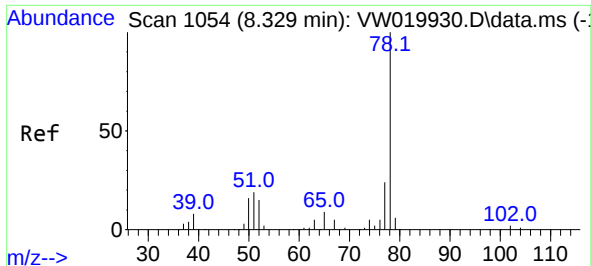
#29  
 Cyclohexane  
 Concen: 0.308 ug/L m  
 RT: 7.958 min Scan# 993  
 Delta R.T. -0.006 min  
 Lab File: VW019937.D  
 Acq: 30 Aug 2021 14:21



Tgt Ion: 56 Resp: 1840

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 56  | 100   |       |        |
| 69  | 8.0   | 24.5  | 36.7#  |
| 84  | 63.2  | 75.0  | 112.4# |





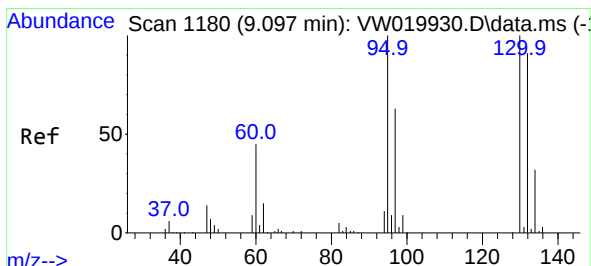
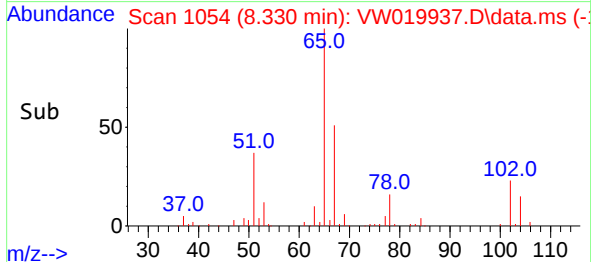
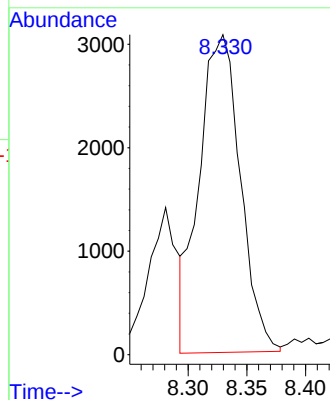
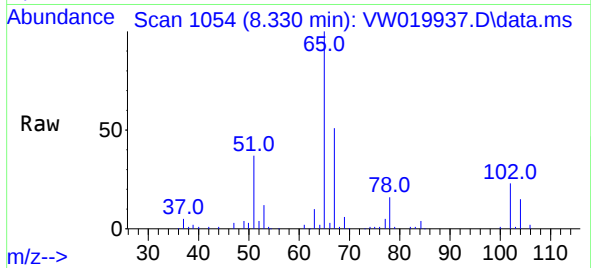
#33  
Benzene  
Concen: 0.478 ug/L  
RT: 8.330 min Scan# 1054  
Delta R.T. 0.000 min  
Lab File: VW019937.D  
Acq: 30 Aug 2021 14:21

Tgt Ion: 78 Resp: 7455

Instrument :  
MSVOA\_W  
ClientSampled :  
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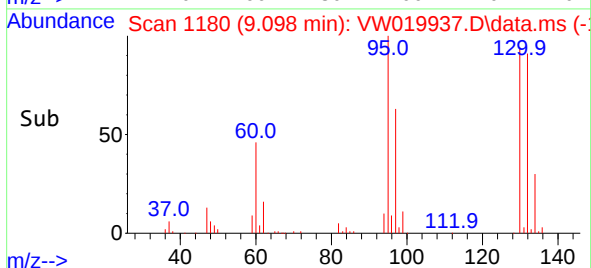
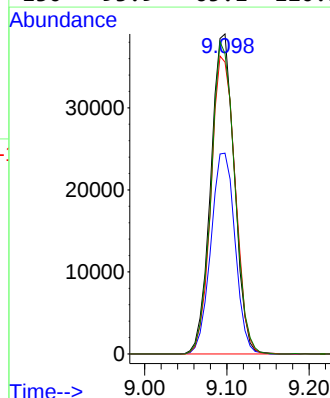
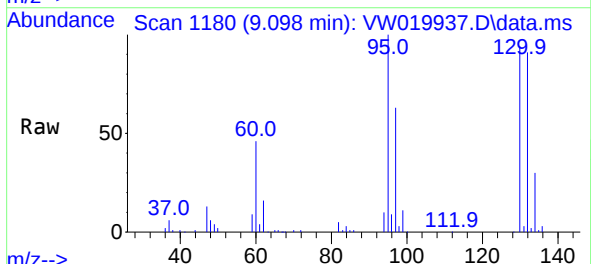
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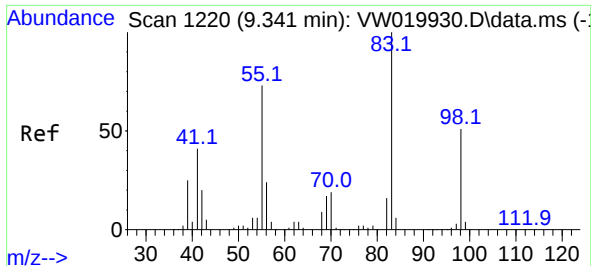


#34  
Trichloroethene  
Concen: 19.222 ug/L  
RT: 9.098 min Scan# 1180  
Delta R.T. 0.000 min  
Lab File: VW019937.D  
Acq: 30 Aug 2021 14:21

Tgt Ion: 95 Resp: 77919

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 62.7  | 47.3  | 87.8  |
| 132 | 91.2  | 71.0  | 131.8 |
| 130 | 93.9  | 65.1  | 120.9 |





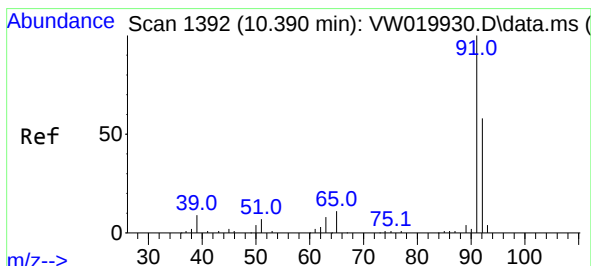
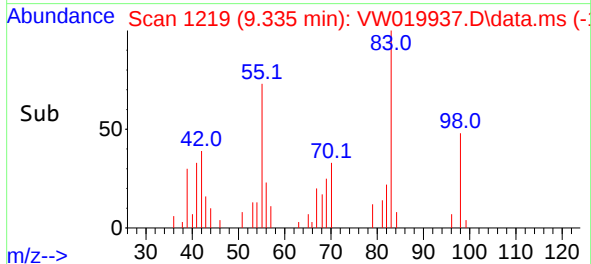
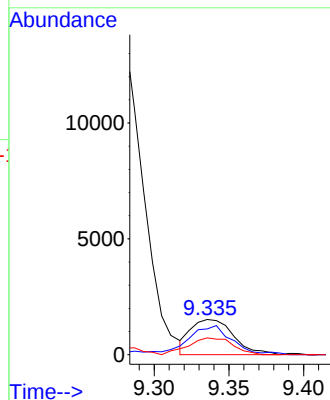
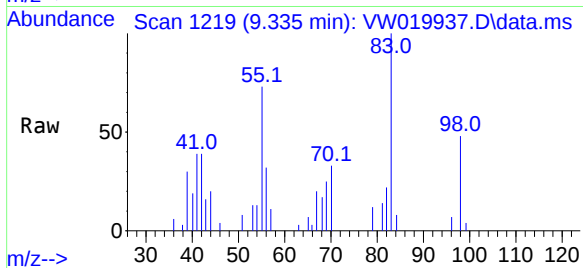
#35  
Methylcyclohexane  
Concen: 0.436 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.006 min  
Lab File: VW019937.D  
Acq: 30 Aug 2021 14:21

Instrument :  
MSVOA\_W  
ClientSampleId :  
GB6A6

Tgt Ion: 83 Resp: 3028  
Ion Ratio Lower Upper  
83 100  
55 79.7 58.9 88.3  
98 49.4 40.1 60.1

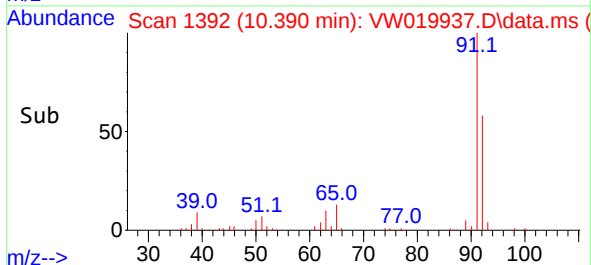
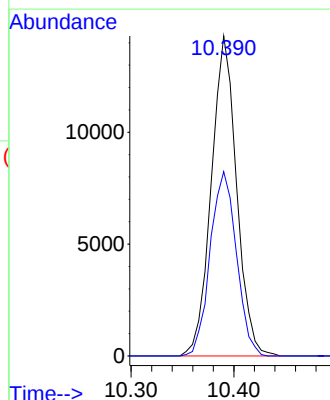
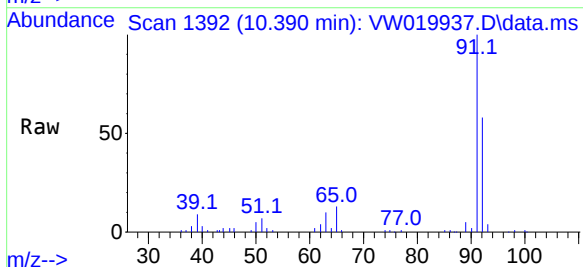
Manual Integrations  
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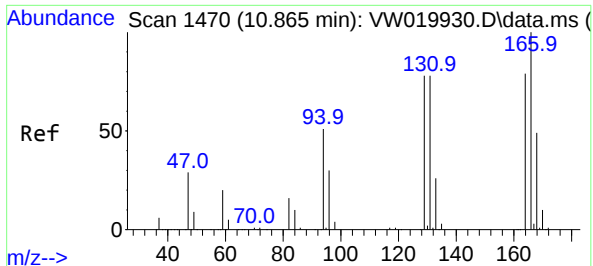
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9/1/2021 6:40:17 PM



#42  
Toluene  
Concen: 1.478 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. 0.000 min  
Lab File: VW019937.D  
Acq: 30 Aug 2021 14:21

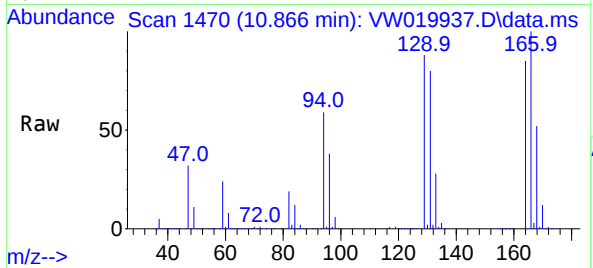
Tgt Ion: 91 Resp: 24421  
Ion Ratio Lower Upper  
91 100  
92 57.6 39.5 73.3





#46  
Tetrachloroethene  
Concen: 2318.299 ug/L  
RT: 10.866 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VW019937.D  
Acq: 30 Aug 2021 14:21

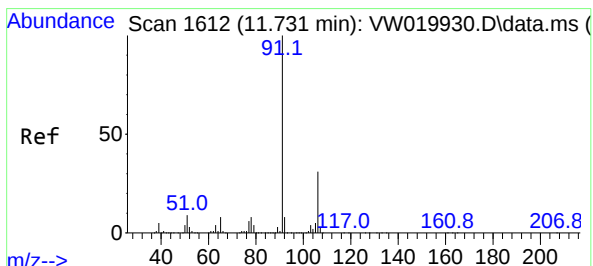
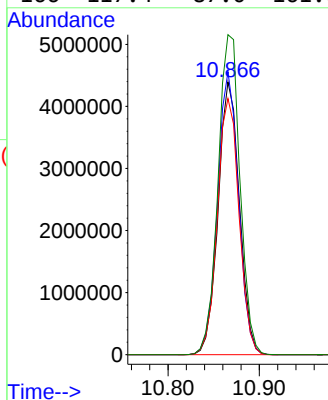
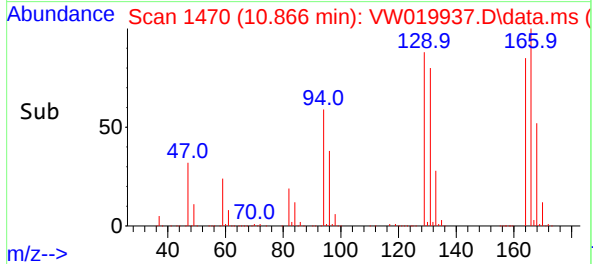
Instrument :  
MSVOA\_W  
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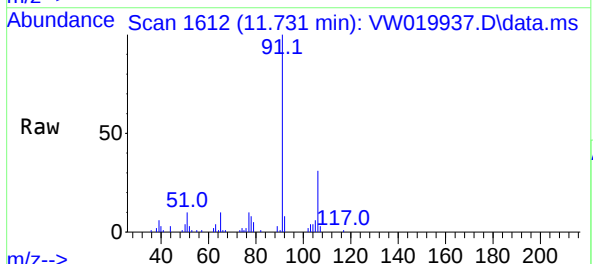
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Ion Ratio Lower Upper  
164 100  
129 103.8 66.7 123.9  
131 94.0 61.1 113.5  
166 117.4 87.0 161.6

Manual Integrations  
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9/1/2021 6:40:17 PM



#52  
Ethylbenzene  
Concen: 0.870 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW019937.D  
Acq: 30 Aug 2021 14:21



Tgt Ion: 91 Resp: 15473  
Ion Ratio Lower Upper  
91 100  
106 31.1 22.5 41.7

