

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW100621\  
 Data File : VW020340.D  
 Acq On : 07 Oct 2021 02:39  
 Operator : SY/VA  
 Sample : M4000-10  
 Misc : 5.60g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW905

Quant Time: Oct 07 05:29:44 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Oct 07 05:04:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 235266   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 147875   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 30628    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.349  | 65    | 92253    | 28.451   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 113.800%  |
| 7) Chloroethane-d5            | 2.885  | 69    | 35978    | 25.607   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 102.440%  |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 122716   | 18.378   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 73.520%   |
| 21) 2-Butanone-d5             | 7.086  | 46    | 49481    | 60.072   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 120.140%  |
| 24) Chloroform-d              | 7.653  | 84    | 159166   | 23.561   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 94.240%   |
| 26) 1,2-Dichloroethane-d4     | 8.311  | 65    | 94321    | 25.513   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 102.040%  |
| 32) Benzene-d6                | 8.281  | 84    | 318213   | 35.541   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 142.160%# |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 106580   | 37.530   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 150.120%# |
| 41) Toluene-d8                | 10.329 | 98    | 235150   | 28.998   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 116.000%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 33851    | 29.296   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 117.200%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 32275    | 82.227   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 164.460%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 66130    | 33.364   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 133.440%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 30707    | 28.631   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 114.520%  |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 5) Vinyl chloride             | 2.361  | 62    | 318113   | 74.208   | ug/L   | 97        |
| 12) 1,1-Dichloroethene        | 4.044  | 96    | 12520    | 3.824    | ug/L # | 1         |
| 13) Acetone                   | 4.141  | 43    | 8148     | 9.622    | ug/L   | 90        |
| 14) Carbon disulfide          | 4.385  | 76    | 13895    | 1.291    | ug/L   | 96        |
| 16) Methylene chloride        | 4.922  | 84    | 14975    | 3.564    | ug/L   | 97        |
| 17) trans-1,2-Dichloroethene  | 5.428  | 96    | 829707   | 242.102  | ug/L   | 99        |
| 20) cis-1,2-Dichloroethene    | 7.171  | 96    | 4942791  | 1410.347 | ug/L   | 97        |
| 29) Cyclohexane               | 7.958  | 56    | 18054    | 4.107    | ug/L   | 94        |
| 33) Benzene                   | 8.329  | 78    | 153393   | 14.916   | ug/L   | 100       |
| 34) Trichloroethene           | 9.092  | 95    | 63101    | 24.943   | ug/L   | 98        |
| 35) Methylcyclohexane         | 9.335  | 83    | 36590    | 8.292    | ug/L   | 89        |
| 42) Toluene                   | 10.390 | 91    | 13790    | 1.333    | ug/L   | 99        |
| 52) Ethylbenzene              | 11.731 | 91    | 14927    | 1.322    | ug/L   | 98        |
| 53) m,p-Xylene                | 11.841 | 106   | 3523     | 0.845    | ug/L   | 93        |
| 60) Isopropylbenzene          | 12.463 | 105   | 8904     | 1.958    | ug/L   | 99        |
| 62) 1,3,5-Trimethylbenzene    | 12.945 | 105   | 4683     | 1.273    | ug/L   | 95        |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105   | 3773     | 1.026    | ug/L   | 91        |
| -----                         |        |       |          |          |        |           |

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Data File : VW020340.D  
Acq On : 07 Oct 2021 02:39  
Operator : SY/VA  
Sample : M4000-10  
Misc : 5.60g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW905

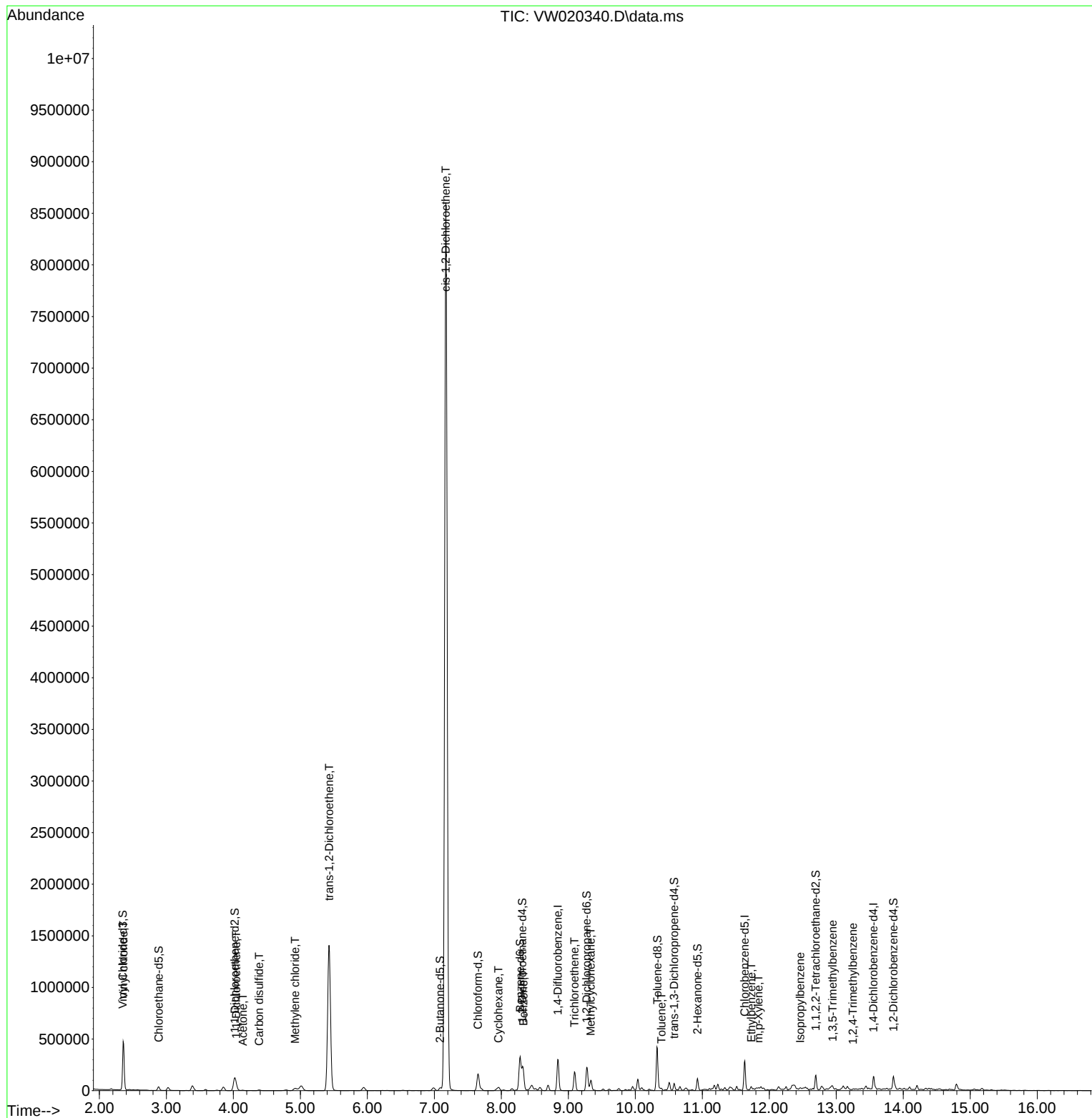
Quant Time: Oct 07 05:29:44 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM100621SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Oct 07 05:04:04 2021  
Response via : Initial Calibration

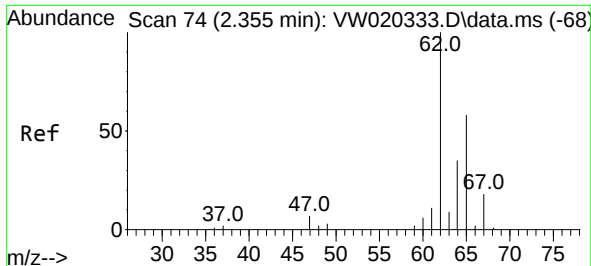
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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Quant Title : SFAM01.0  
QLast Update : Thu Oct 07 05:04:04 2021  
Response via : Initial Calibration

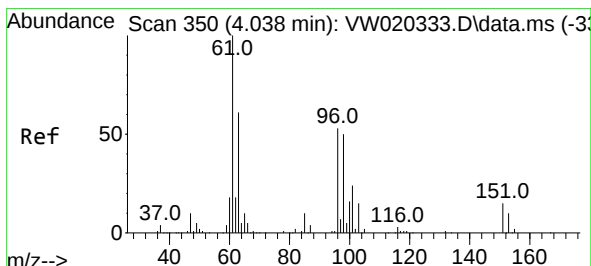
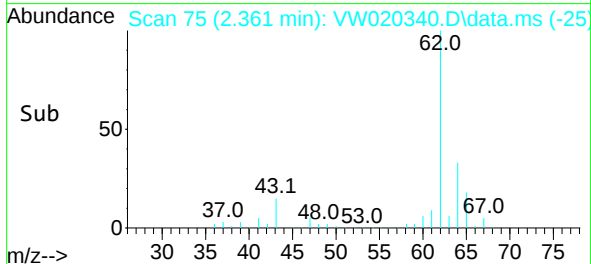
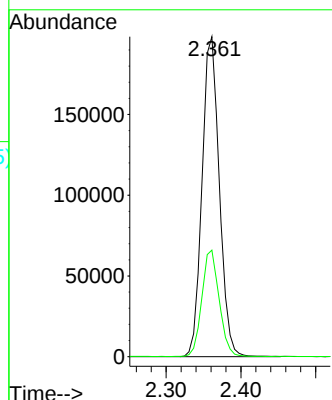
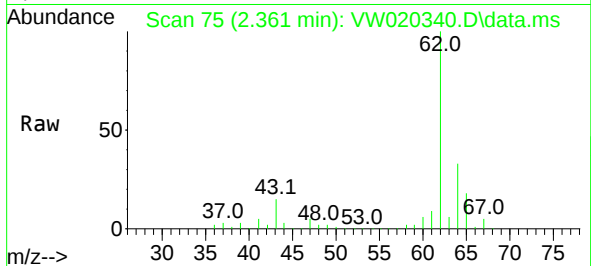




#5  
 Vinyl chloride  
 Concen: 74.208 ug/L  
 RT: 2.361 min Scan# 75  
 Delta R.T. 0.006 min  
 Lab File: VW020340.D  
 Acq: 07 Oct 2021 02:39

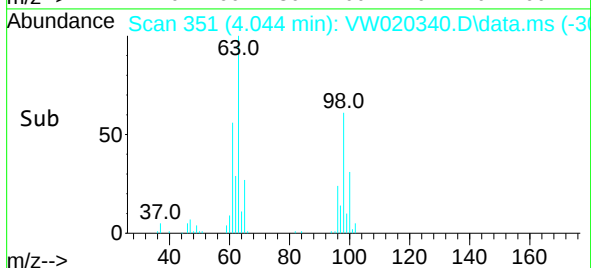
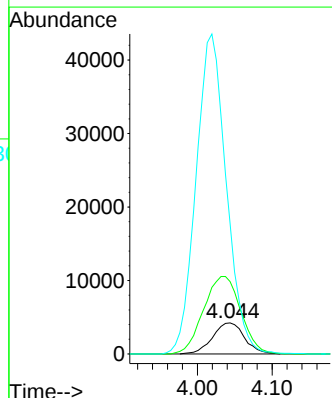
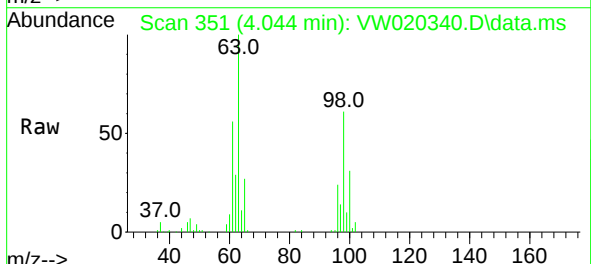
Instrument :  
 MSVOA\_W  
 ClientSampled :  
 EW905

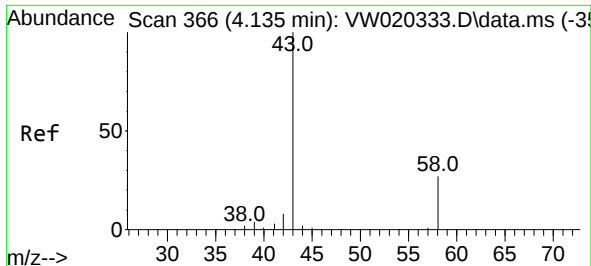
Tgt Ion: 62 Resp: 318113  
 Ion Ratio Lower Upper  
 62 100  
 64 33.3 24.6 45.6



#12  
 1,1-Dichloroethene  
 Concen: 3.824 ug/L  
 RT: 4.044 min Scan# 351  
 Delta R.T. 0.006 min  
 Lab File: VW020340.D  
 Acq: 07 Oct 2021 02:39

Tgt Ion: 96 Resp: 12520  
 Ion Ratio Lower Upper  
 96 100  
 61 233.2 133.9 248.7  
 63 418.7 77.3 143.7#

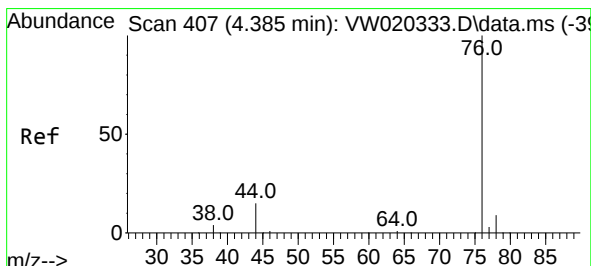
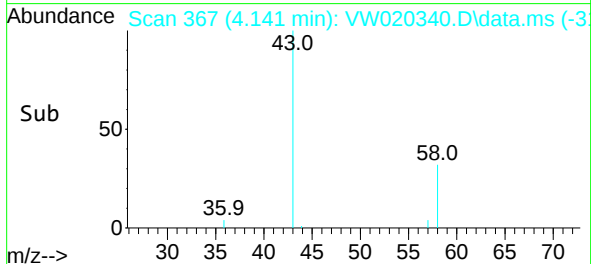
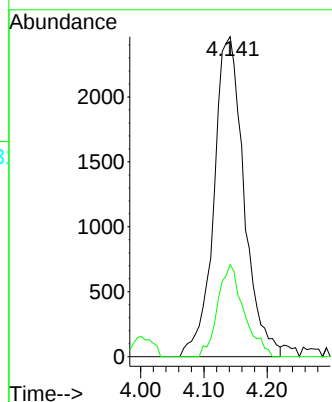
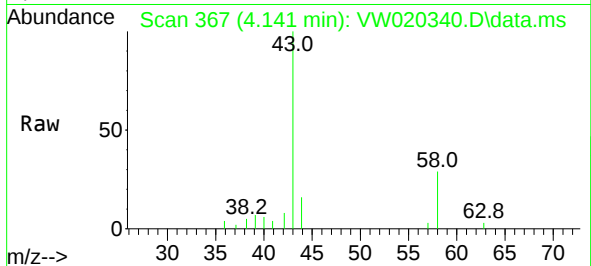




#13  
Acetone  
Concen: 9.622 ug/L  
RT: 4.141 min Scan# 367  
Delta R.T. 0.006 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

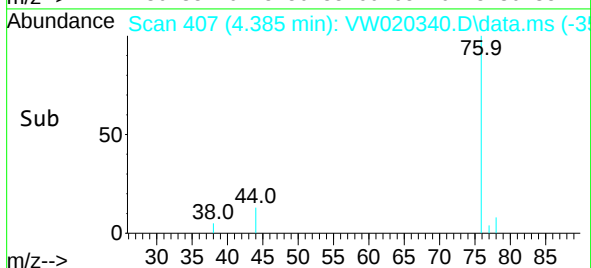
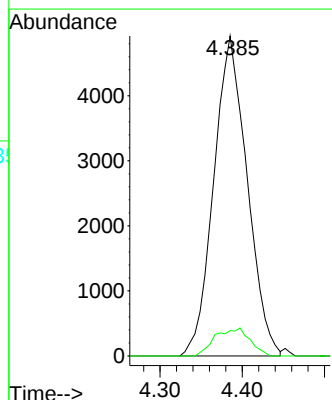
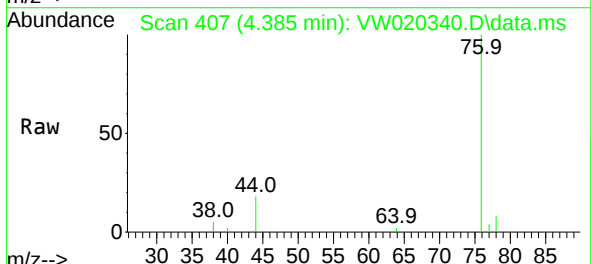
Instrument :  
MSVOA\_W  
ClientSampled :  
EW905

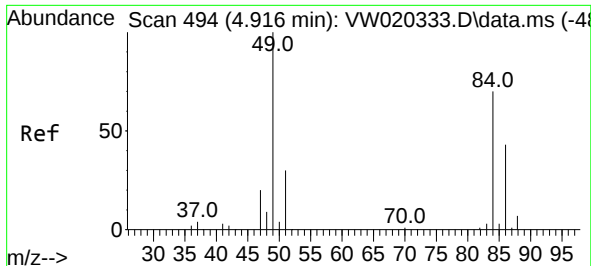
Tgt Ion: 43 Resp: 8148  
Ion Ratio Lower Upper  
43 100  
58 23.8 0.0 58.4



#14  
Carbon disulfide  
Concen: 1.291 ug/L  
RT: 4.385 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

Tgt Ion: 76 Resp: 13895  
Ion Ratio Lower Upper  
76 100  
78 7.9 7.4 11.2

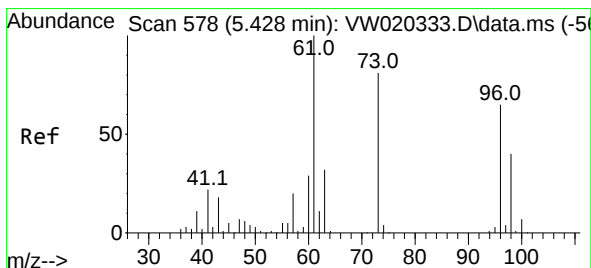
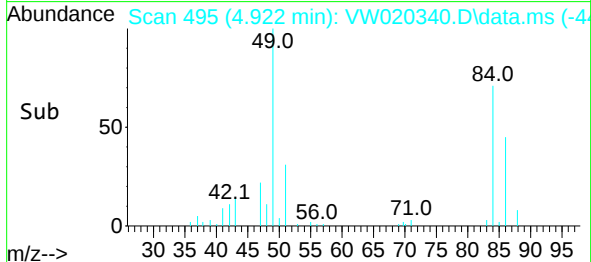
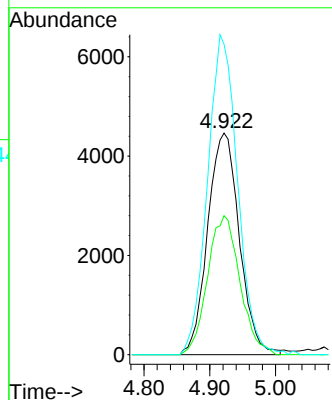
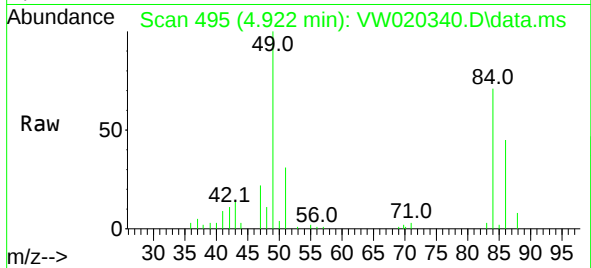




#16  
Methylene chloride  
Concen: 3.564 ug/L  
RT: 4.922 min Scan# 495  
Delta R.T. 0.006 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

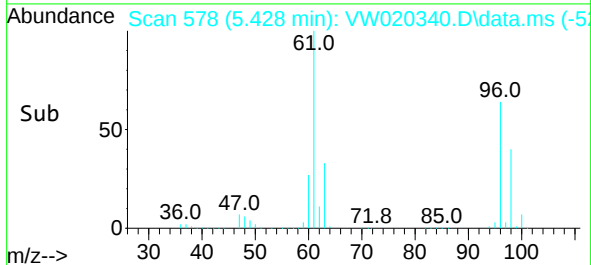
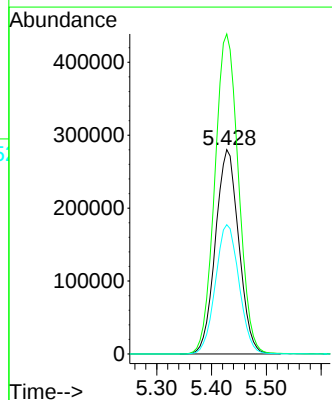
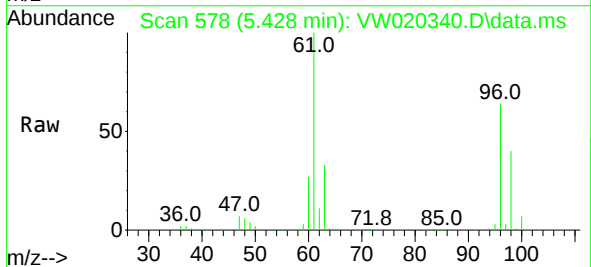
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW905

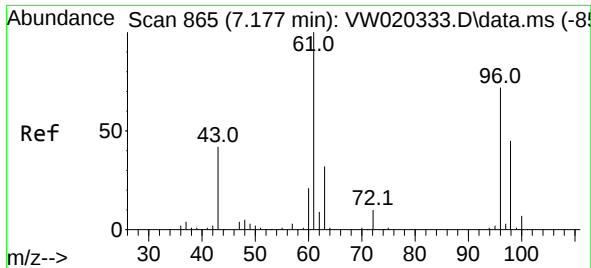
Tgt Ion: 84 Resp: 14975  
Ion Ratio Lower Upper  
84 100  
86 62.8 44.7 83.1  
49 140.0 101.7 188.9



#17  
trans-1,2-Dichloroethene  
Concen: 242.102 ug/L  
RT: 5.428 min Scan# 578  
Delta R.T. -0.000 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

Tgt Ion: 96 Resp: 829707  
Ion Ratio Lower Upper  
96 100  
61 156.6 110.7 205.5  
98 63.3 43.9 81.5



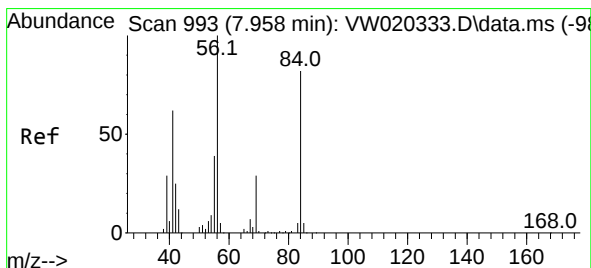
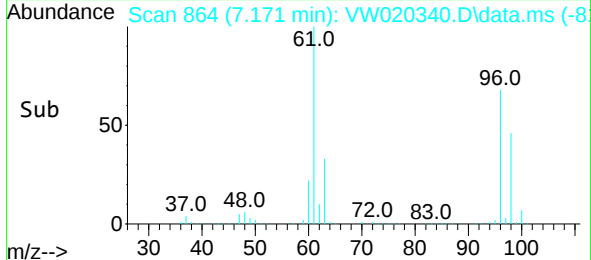
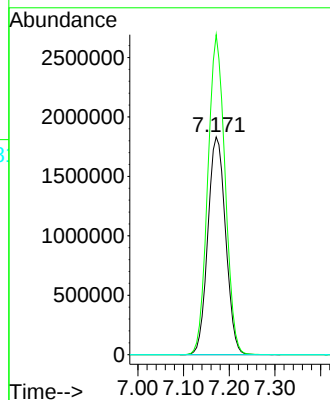
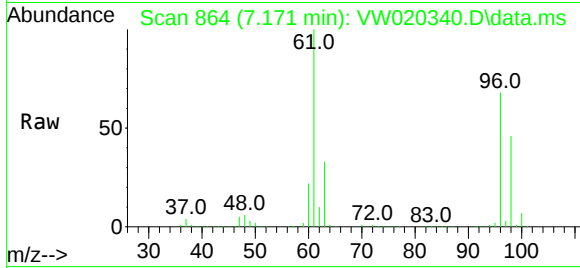


#20  
 cis-1,2-Dichloroethene  
 Concen: 1410.347 ug/L  
 RT: 7.171 min Scan# 864  
 Delta R.T. -0.006 min  
 Lab File: VW020340.D  
 Acq: 07 Oct 2021 02:39

Instrument :  
 MSVOA\_W  
 ClientSampled :  
 EW905

Tgt Ion: 96 Resp: 4942791

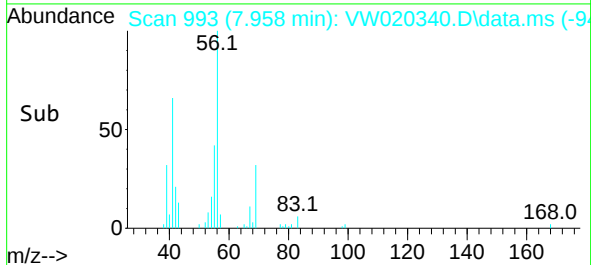
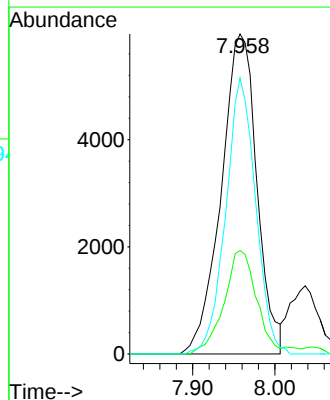
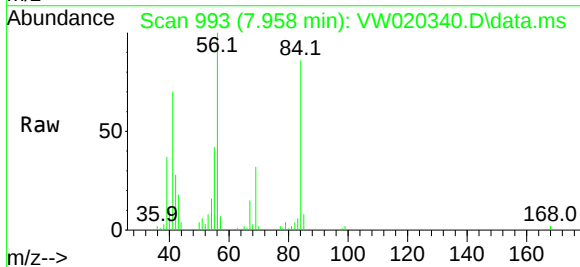
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 147.0 | 100.3 | 186.3 |
| 68  | 0.0   | 0.0   | 0.0   |

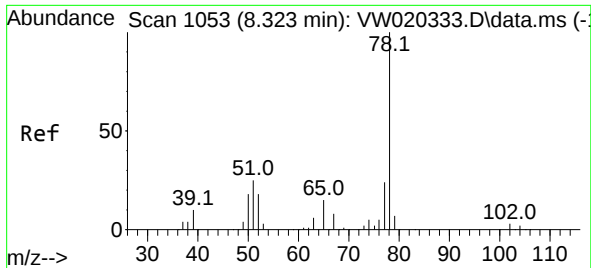


#29  
 Cyclohexane  
 Concen: 4.107 ug/L  
 RT: 7.958 min Scan# 993  
 Delta R.T. -0.000 min  
 Lab File: VW020340.D  
 Acq: 07 Oct 2021 02:39

Tgt Ion: 56 Resp: 18054

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 29.3  | 23.2  | 34.8  |
| 84  | 72.1  | 63.7  | 95.5  |

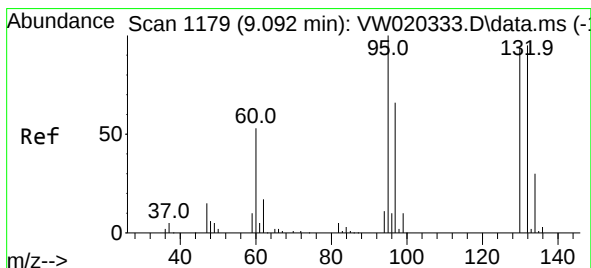
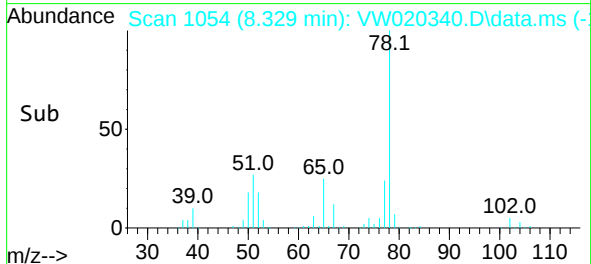
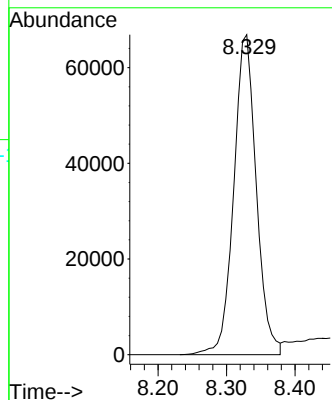
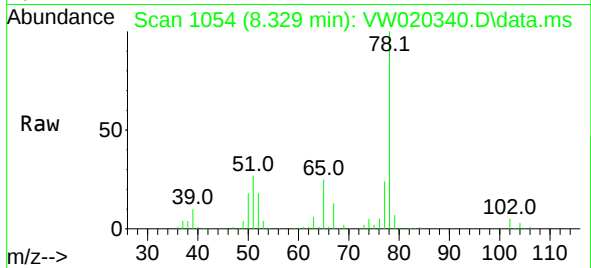




#33  
Benzene  
Concen: 14.916 ug/L  
RT: 8.329 min Scan# 1054  
Delta R.T. 0.006 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

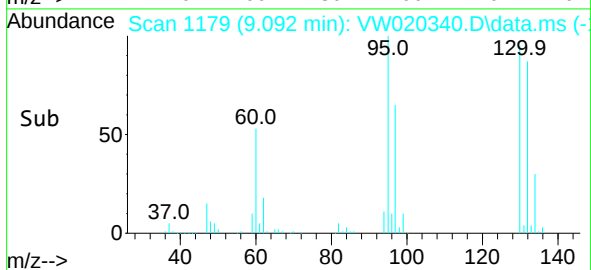
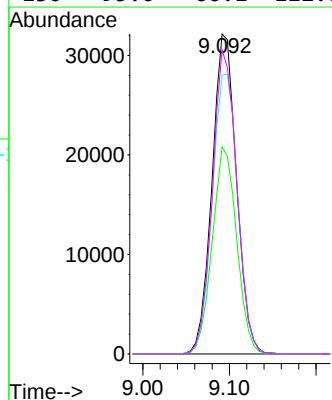
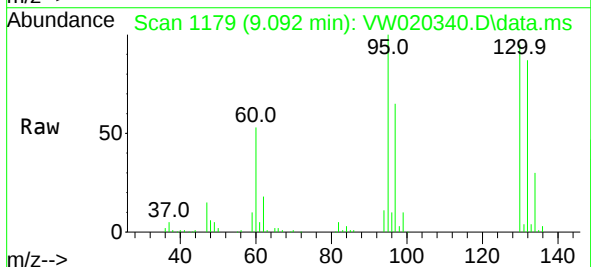
Instrument :  
MSVOA\_W  
ClientSampled :  
EW905

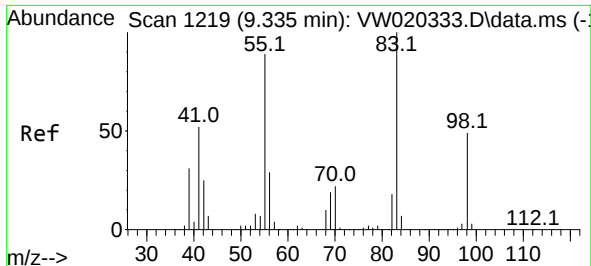
Tgt Ion: 78 Resp: 153393



#34  
Trichloroethene  
Concen: 24.943 ug/L  
RT: 9.092 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

Tgt Ion: 95 Resp: 63101  
Ion Ratio Lower Upper  
95 100  
97 64.8 43.2 80.2  
132 87.1 62.3 115.7  
130 95.0 66.1 122.7

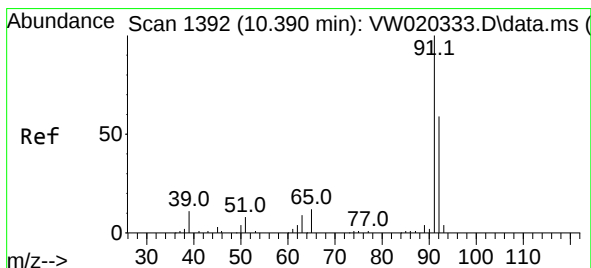
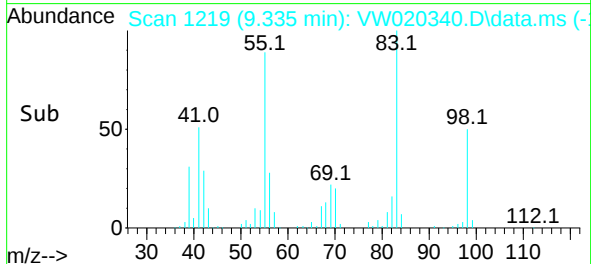
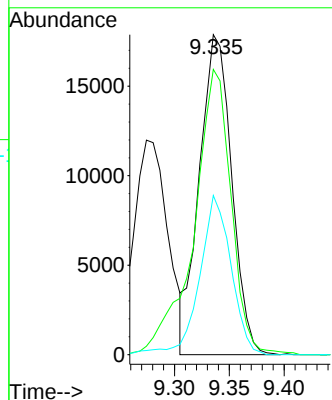
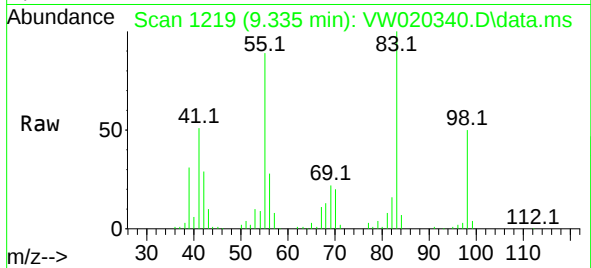




#35  
Methylcyclohexane  
Concen: 8.292 ug/L  
RT: 9.335 min Scan# 1219  
Delta R.T. -0.000 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

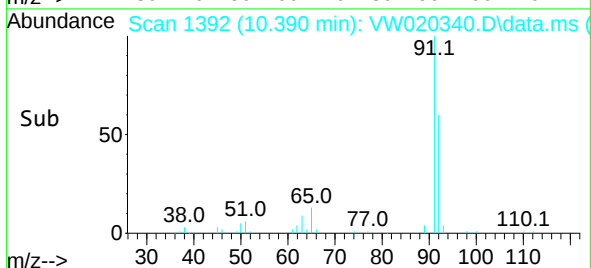
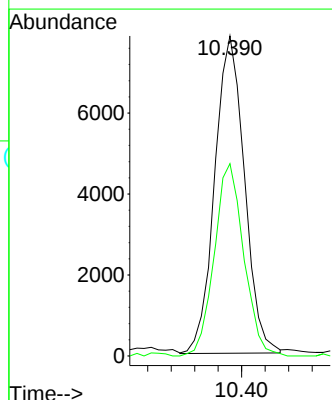
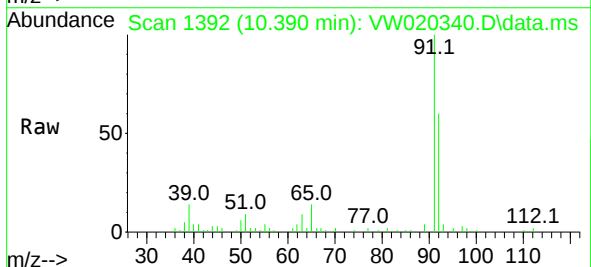
Instrument :  
MSVOA\_W  
ClientSampled :  
EW905

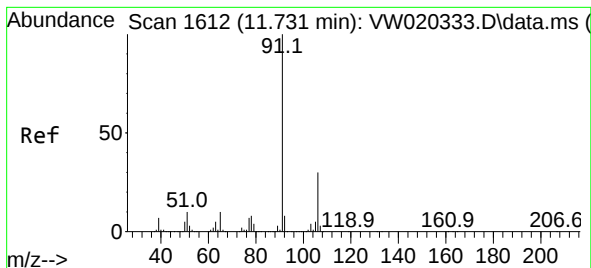
Tgt Ion: 83 Resp: 36590  
Ion Ratio Lower Upper  
83 100  
55 102.6 69.7 104.5  
98 47.2 38.2 57.2



#42  
Toluene  
Concen: 1.333 ug/L  
RT: 10.390 min Scan# 1392  
Delta R.T. -0.000 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

Tgt Ion: 91 Resp: 13790  
Ion Ratio Lower Upper  
91 100  
92 60.1 41.5 77.1

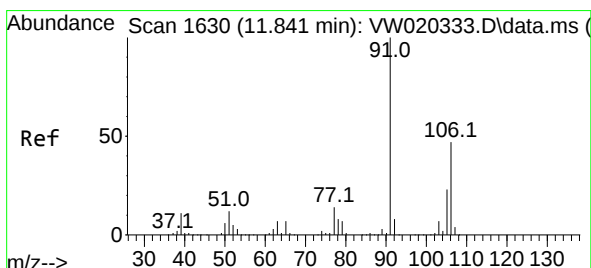
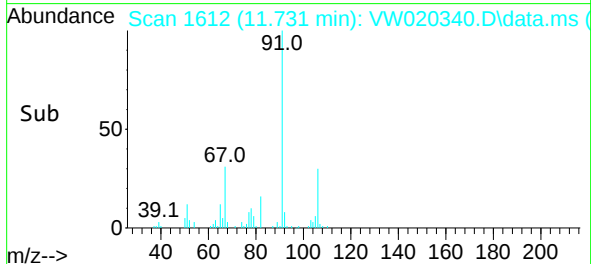
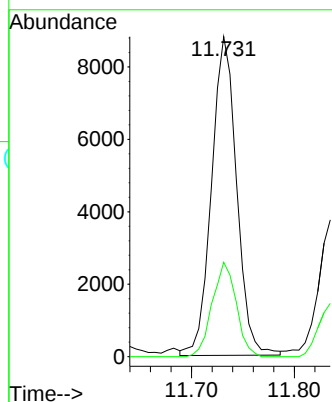
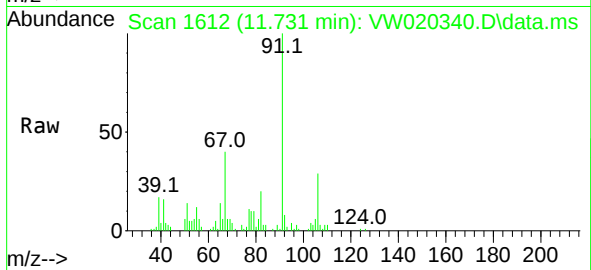




#52  
Ethylbenzene  
Concen: 1.322 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. -0.000 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

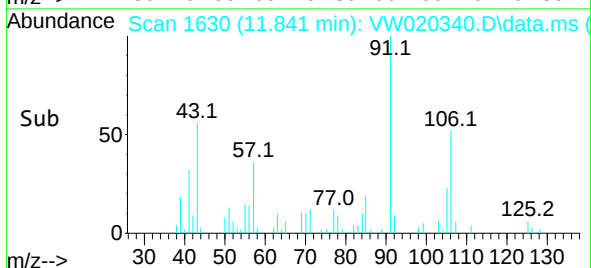
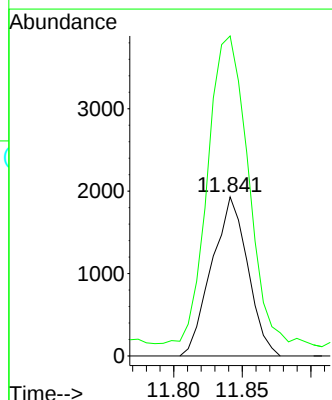
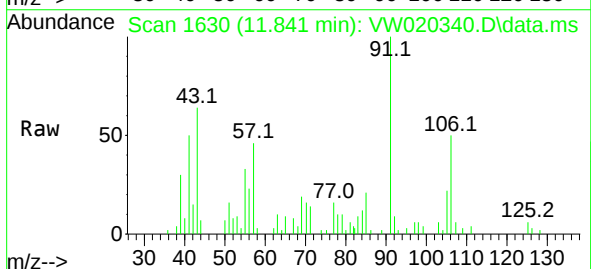
Instrument :  
MSVOA\_W  
ClientSampled :  
EW905

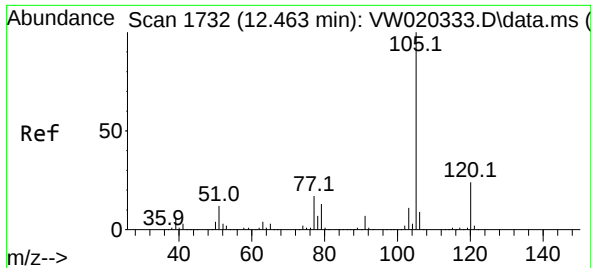
Tgt Ion: 91 Resp: 14927  
Ion Ratio Lower Upper  
91 100  
106 29.5 21.3 39.5



#53  
m,p-Xylene  
Concen: 0.845 ug/L  
RT: 11.841 min Scan# 1630  
Delta R.T. -0.000 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

Tgt Ion: 106 Resp: 3523  
Ion Ratio Lower Upper  
106 100  
91 201.2 148.2 275.2

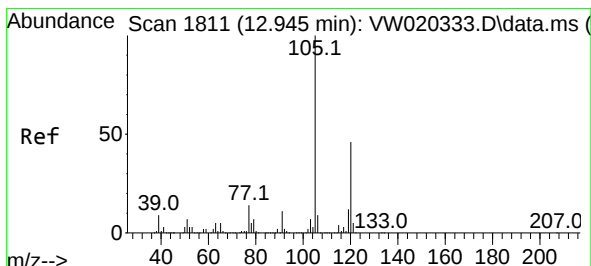
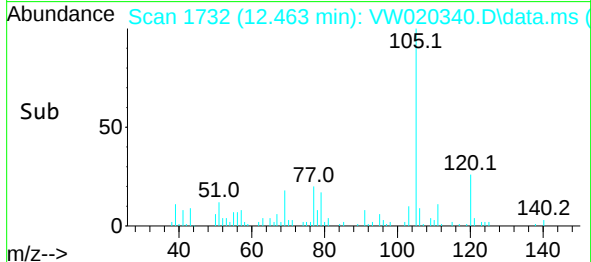
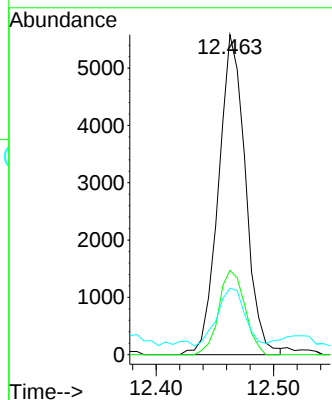
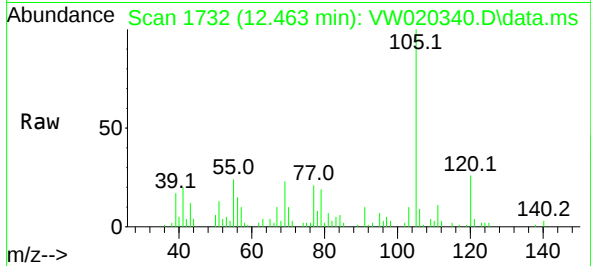




#60  
Isopropylbenzene  
Concen: 1.958 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

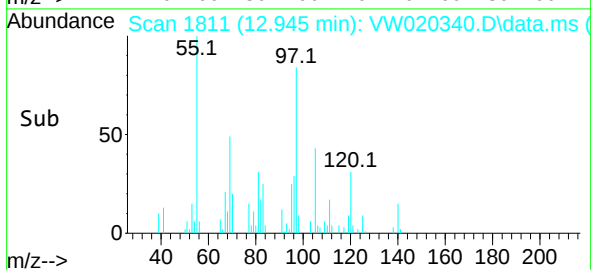
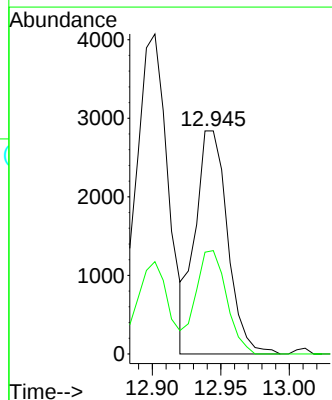
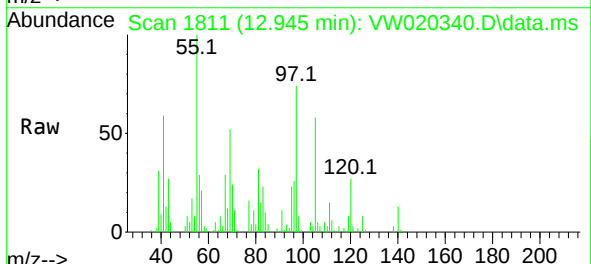
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW905

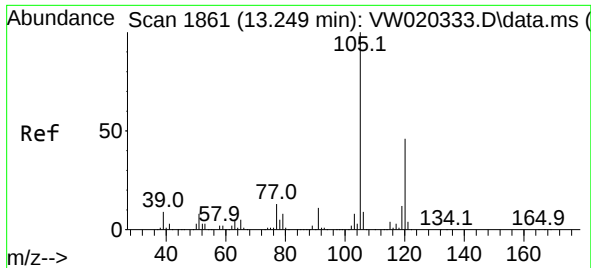
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 8904 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 120       | 25.4  | 20.3  | 30.5 |
| 77        | 18.4  | 13.8  | 20.6 |



#62  
1,3,5-Trimethylbenzene  
Concen: 1.273 ug/L  
RT: 12.945 min Scan# 1811  
Delta R.T. -0.000 min  
Lab File: VW020340.D  
Acq: 07 Oct 2021 02:39

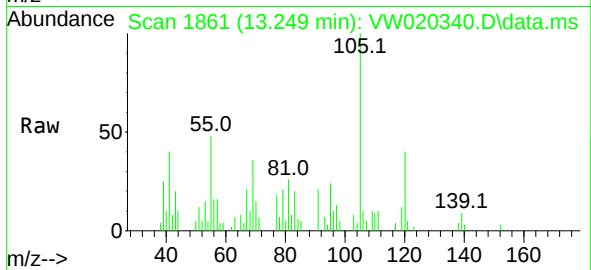
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 105   | Resp: | 4683 |
| Ion Ratio | Lower | Upper |      |
| 105       | 100   |       |      |
| 120       | 44.2  | 37.9  | 56.9 |





#63  
 1,2,4-Trimethylbenzene  
 Concen: 1.026 ug/L  
 RT: 13.249 min Scan# 1861  
 Delta R.T. -0.000 min  
 Lab File: VW020340.D  
 Acq: 07 Oct 2021 02:39

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW905



Tgt Ion:105 Resp: 3773  
 Ion Ratio Lower Upper  
 105 100  
 120 38.2 35.4 53.2

