

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122021\  
 Data File : VW021504.D  
 Acq On : 20 Dec 2021 17:36  
 Operator : SY/VA  
 Sample : M5171-15  
 Misc : 6.72g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 20 18:55:22 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 18 00:55:20 2021  
 Response via : Initial Calibration

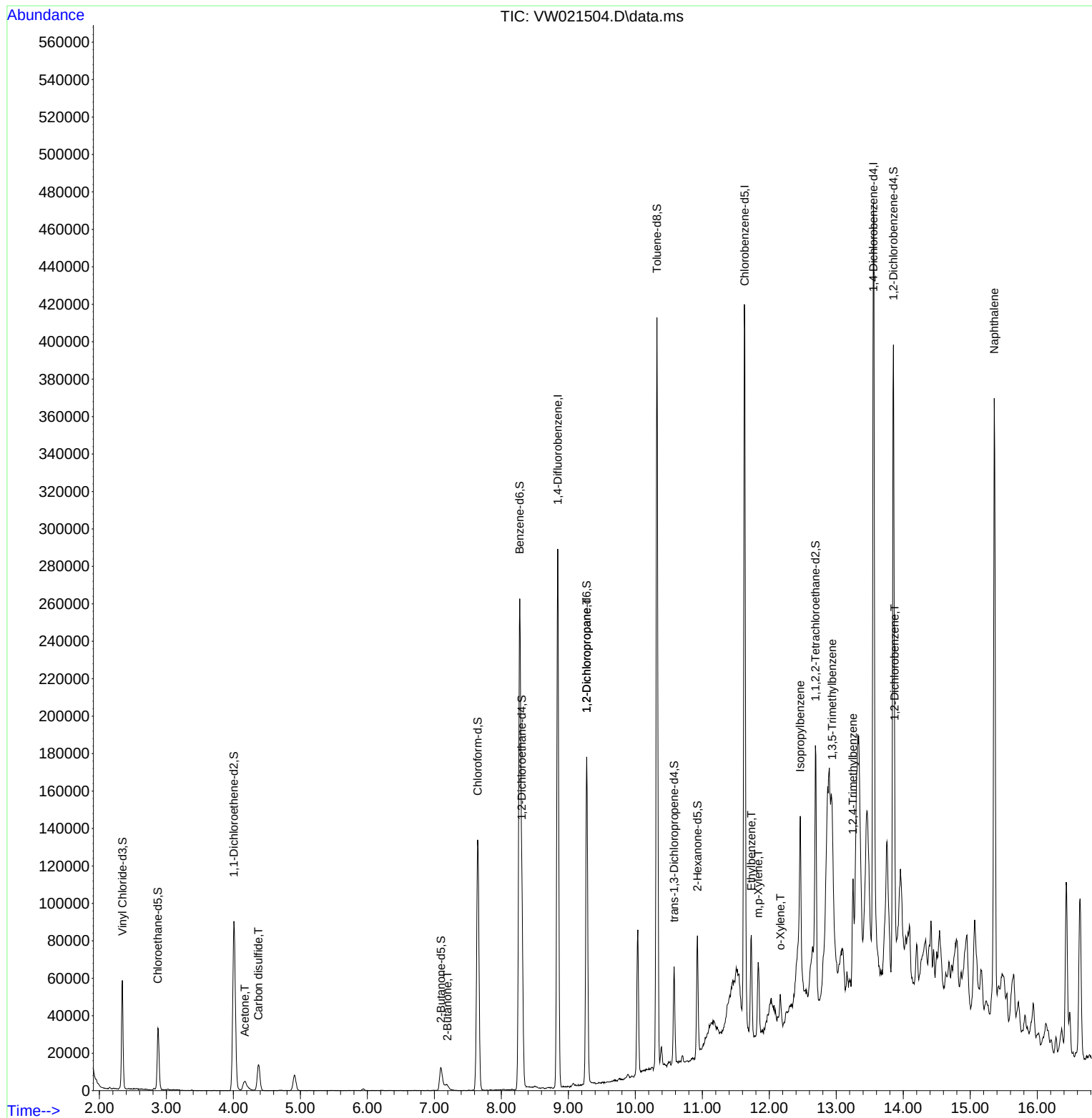
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.842  | 114   | 259038   | 25.000   | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 237930   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554 | 152   | 123403   | 25.000   | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.343  | 65    | 55435    | 11.750   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 47.000%  |
| 7) Chloroethane-d5            | 2.873  | 69    | 36812    | 11.803   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 47.200%  |
| 11) 1,1-Dichloroethene-d2     | 4.007  | 63    | 83938    | 13.345   | ug/L   | -0.01    |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 53.400%  |
| 21) 2-Butanone-d5             | 7.098  | 46    | 24940    | 37.503   | ug/L   | 0.02     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 75.000%  |
| 24) Chloroform-d              | 7.647  | 84    | 140988   | 19.531   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 78.120%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 72968    | 19.003   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 76.000%  |
| 32) Benzene-d6                | 8.275  | 84    | 285996   | 21.929   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 87.720%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 81694    | 23.357   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 93.440%  |
| 41) Toluene-d8                | 10.323 | 98    | 271270   | 20.358   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 81.440%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 28302    | 17.574   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 70.280%  |
| 47) 2-Hexanone-d5             | 10.927 | 63    | 23483    | 45.403   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.800%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 58408    | 19.426   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 77.720%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 95831    | 20.038   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 80.160%  |
|                               |        |       |          |          |        |          |
| Target Compounds              | Qvalue |       |          |          |        |          |
| 13) Acetone                   | 4.172  | 43    | 14668    | 24.604   | ug/L   | 99       |
| 14) Carbon disulfide          | 4.373  | 76    | 31115    | 3.752    | ug/L   | 97       |
| 22) 2-Butanone                | 7.196  | 43    | 4950     | 6.358    | ug/L   | 88       |
| 37) 1,2-Dichloropropane       | 9.274  | 63    | 9410     | 3.255    | ug/L # | 88       |
| 52) Ethylbenzene              | 11.731 | 91    | 39152    | 2.260    | ug/L   | 100      |
| 53) m,p-Xylene                | 11.835 | 106   | 13262    | 1.898    | ug/L   | 84       |
| 54) o-Xylene                  | 12.164 | 106   | 4517     | 0.681    | ug/L   | 91       |
| 60) Isopropylbenzene          | 12.463 | 105   | 51407    | 3.066    | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105   | 7850     | 0.550    | ug/L   | 91       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105   | 29639    | 2.106    | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 13.871 | 146   | 9118     | 1.309    | ug/L # | 82       |
| 71) Naphthalene               | 15.359 | 128   | 294839   | 38.168   | ug/L   | 99       |
| -----                         |        |       |          |          |        |          |

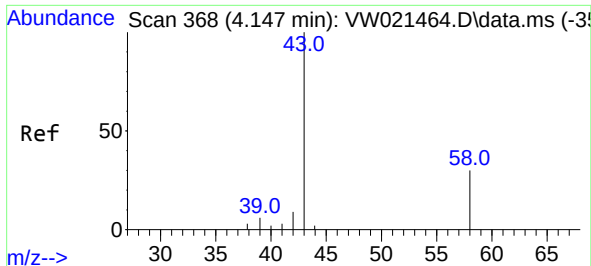
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

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MSVOA\_W  
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Quant Time: Dec 20 18:55:22 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Dec 18 00:55:20 2021  
Response via : Initial Calibration

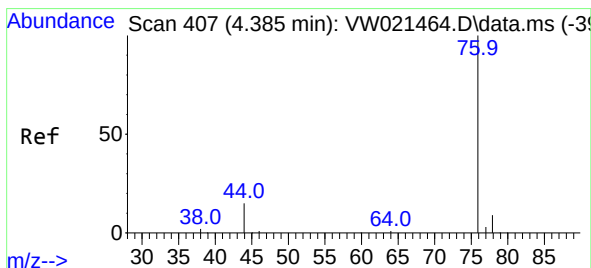
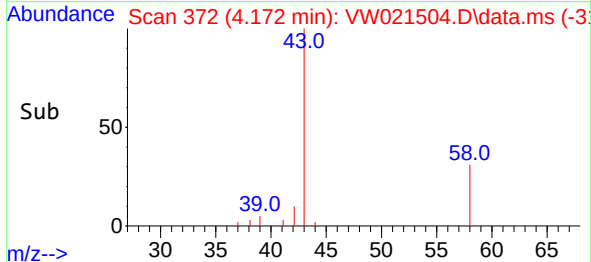
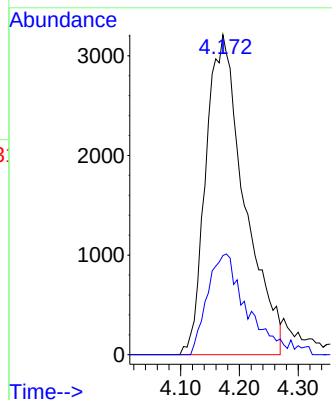
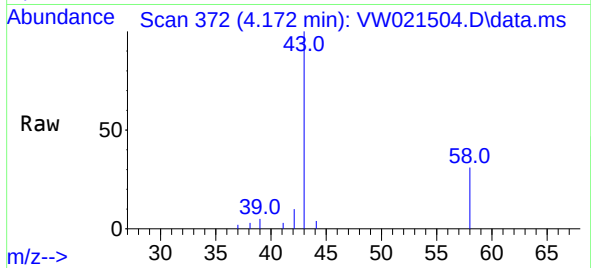




#13  
Acetone  
Concen: 24.604 ug/L  
RT: 4.172 min Scan# 31  
Delta R.T. 0.055 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

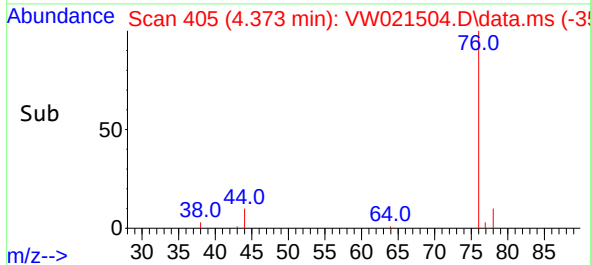
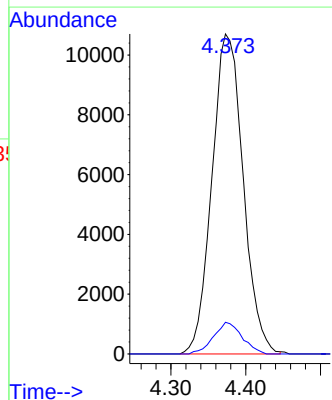
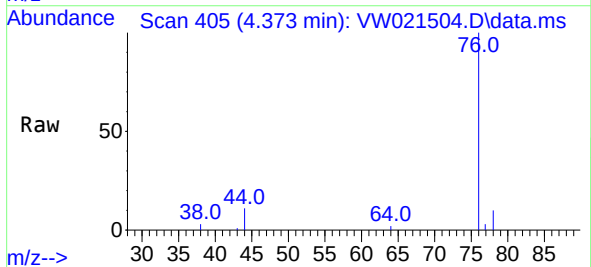
Instrument :  
MSVOA\_W  
ClientSampleId :

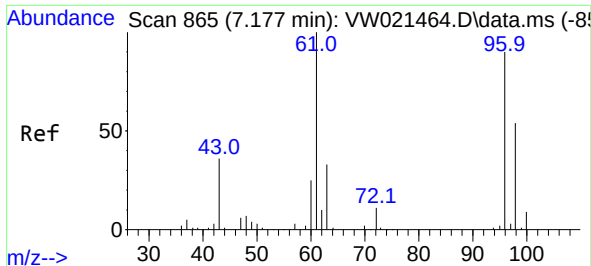
Tgt Ion: 43 Resp: 14668  
Ion Ratio Lower Upper  
43 100  
58 25.8 0.0 52.8



#14  
Carbon disulfide  
Concen: 3.752 ug/L  
RT: 4.373 min Scan# 405  
Delta R.T. -0.006 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

Tgt Ion: 76 Resp: 31115  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.1 10.7

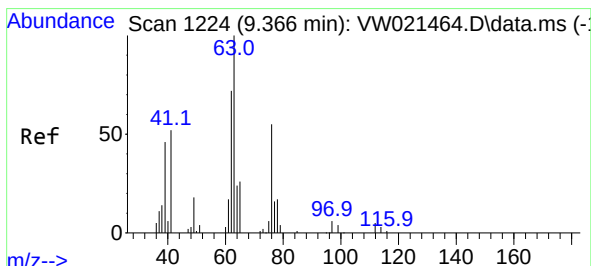
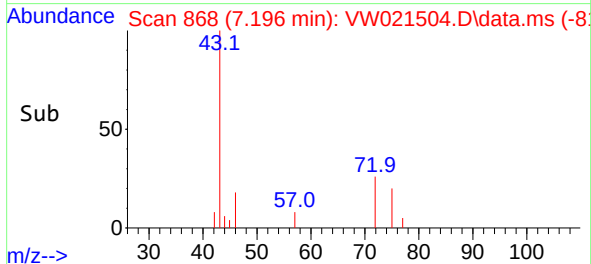
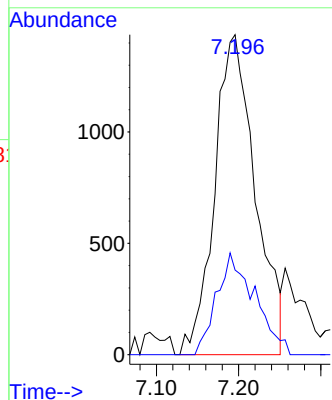
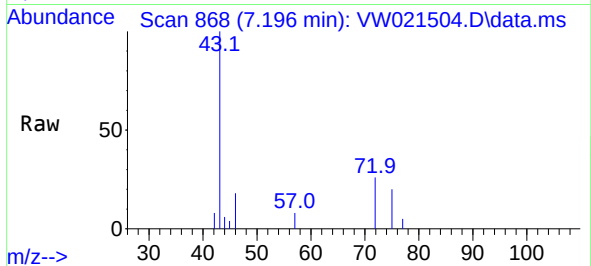




#22  
2-Butanone  
Concen: 6.358 ug/L  
RT: 7.196 min Scan# 80  
Delta R.T. 0.030 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

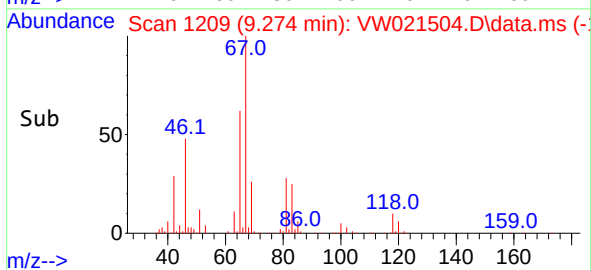
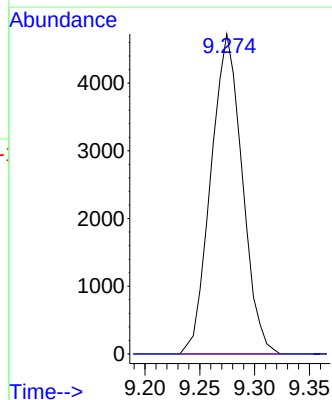
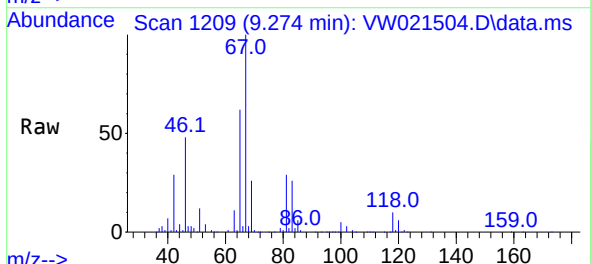
Instrument :  
MSVOA\_W  
ClientSampleId :

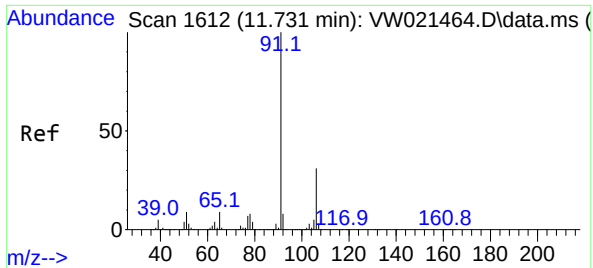
Tgt Ion: 43 Resp: 4950  
Ion Ratio Lower Upper  
43 100  
72 29.7 11.8 35.4



#37  
1,2-Dichloropropane  
Concen: 3.255 ug/L  
RT: 9.274 min Scan# 1209  
Delta R.T. -0.091 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

Tgt Ion: 63 Resp: 9410  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#

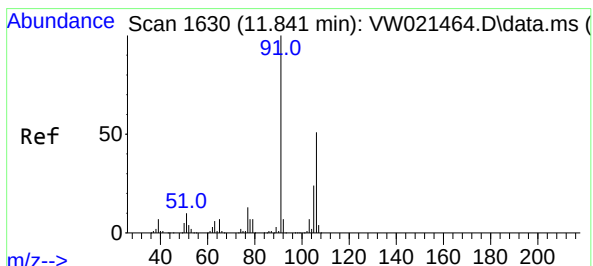
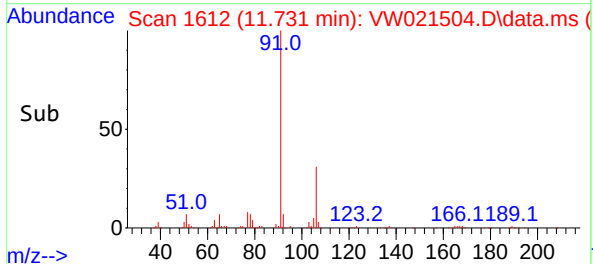
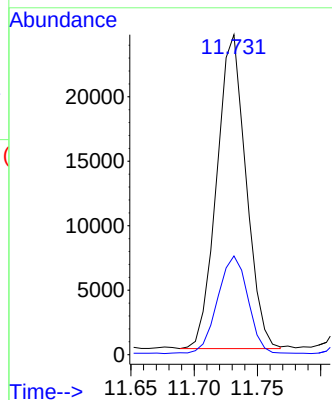
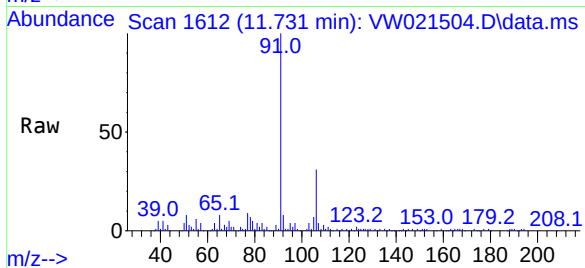




#52  
Ethylbenzene  
Concen: 2.260 ug/L  
RT: 11.731 min Scan# 1612  
Delta R.T. 0.000 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

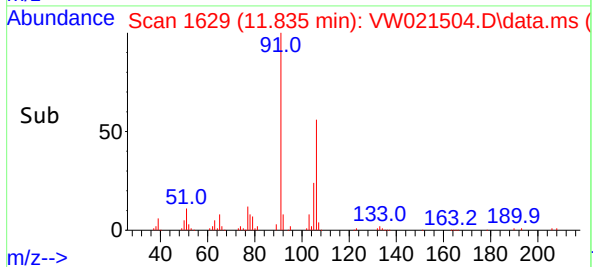
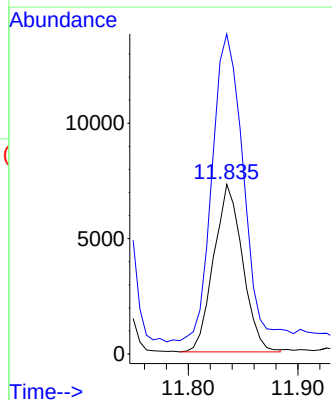
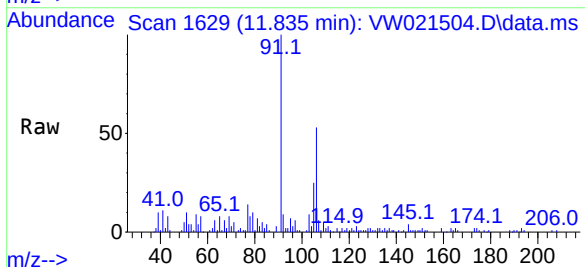
Instrument :  
MSVOA\_W  
ClientSampleId :

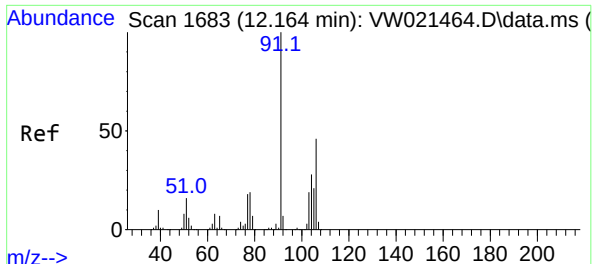
Tgt Ion: 91 Resp: 39152  
Ion Ratio Lower Upper  
91 100  
106 30.9 21.5 39.9



#53  
m,p-Xylene  
Concen: 1.898 ug/L  
RT: 11.835 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

Tgt Ion:106 Resp: 13262  
Ion Ratio Lower Upper  
106 100  
91 188.6 149.9 278.3

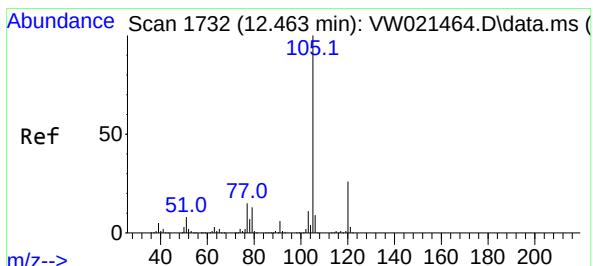
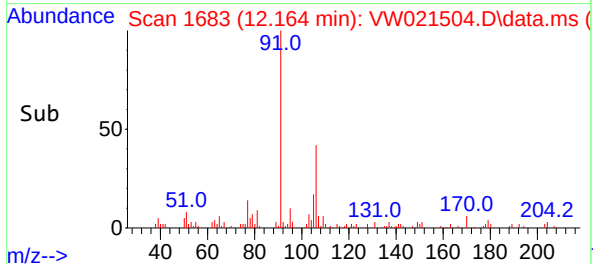
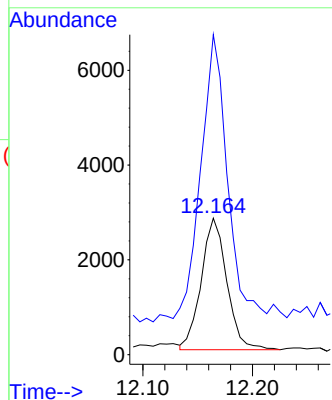
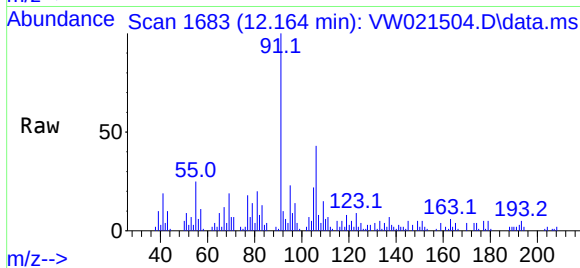




#54  
o-Xylene  
Concen: 0.681 ug/L  
RT: 12.164 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

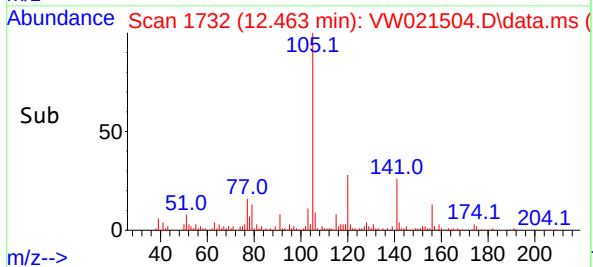
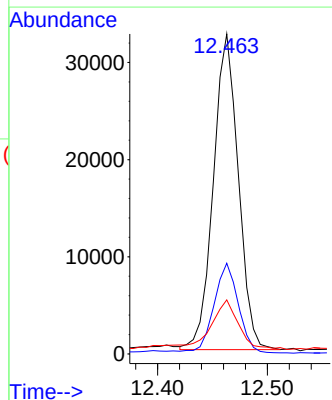
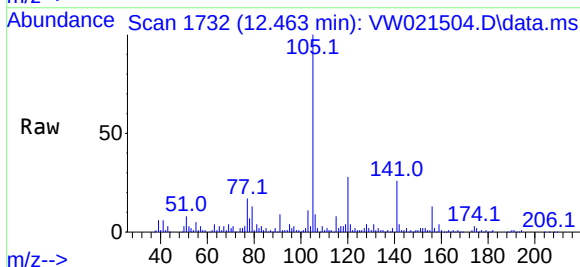
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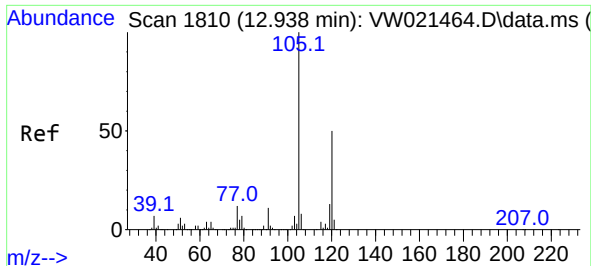
Tgt Ion:106 Resp: 4517  
Ion Ratio Lower Upper  
106 100  
91 234.4 153.6 285.3



#60  
Isopropylbenzene  
Concen: 3.066 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. 0.000 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

Tgt Ion:105 Resp: 51407  
Ion Ratio Lower Upper  
105 100  
120 28.0 20.1 30.1  
77 16.9 13.8 20.8

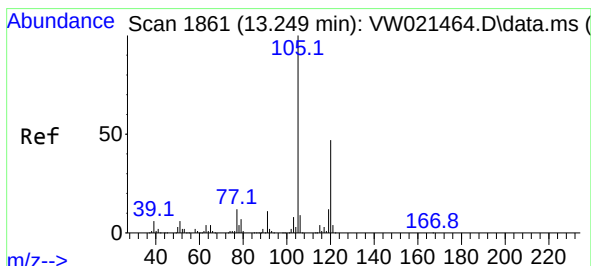
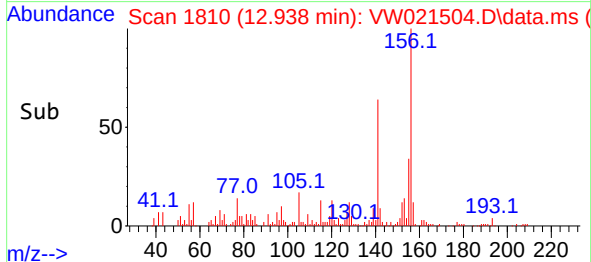
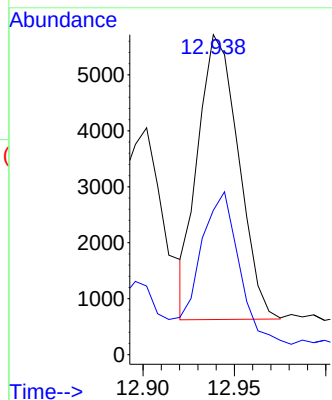
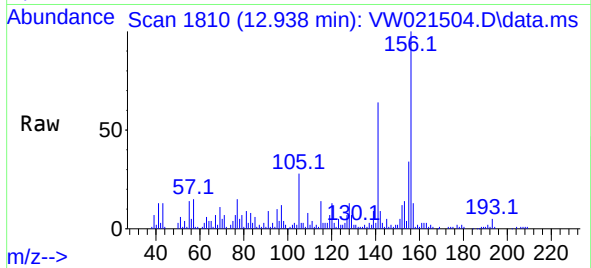




#62  
1,3,5-Trimethylbenzene  
Concen: 0.550 ug/L  
RT: 12.938 min Scan# 1810  
Delta R.T. 0.000 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

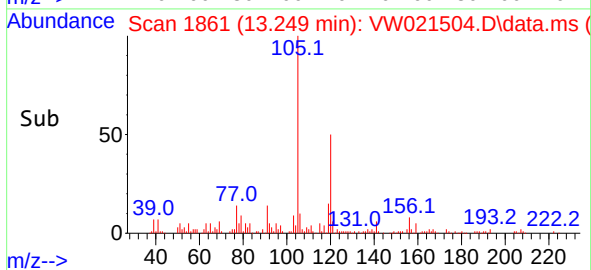
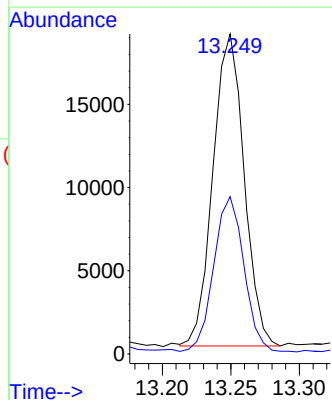
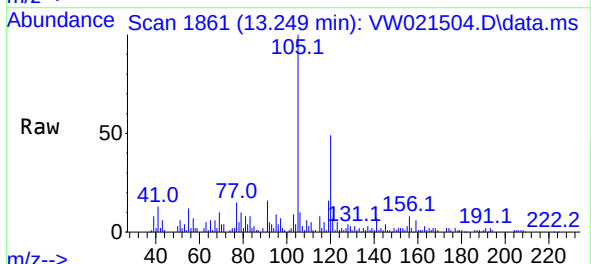
Instrument :  
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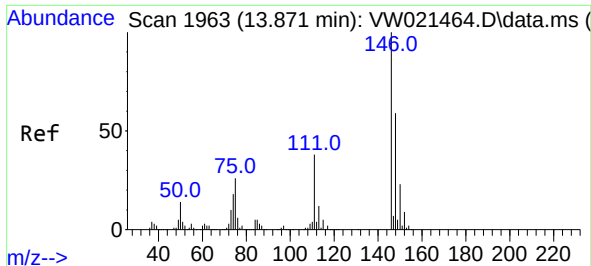
Tgt Ion:105 Resp: 7850  
Ion Ratio Lower Upper  
105 100  
120 53.0 37.4 56.2



#63  
1,2,4-Trimethylbenzene  
Concen: 2.106 ug/L  
RT: 13.249 min Scan# 1861  
Delta R.T. 0.000 min  
Lab File: VW021504.D  
Acq: 20 Dec 2021 17:36

Tgt Ion:105 Resp: 29639  
Ion Ratio Lower Upper  
105 100  
120 48.2 35.0 52.6





#67

1,2-Dichlorobenzene

Concen: 1.309 ug/L

RT: 13.871 min Scan# 1963

Delta R.T. 0.006 min

Lab File: VW021504.D

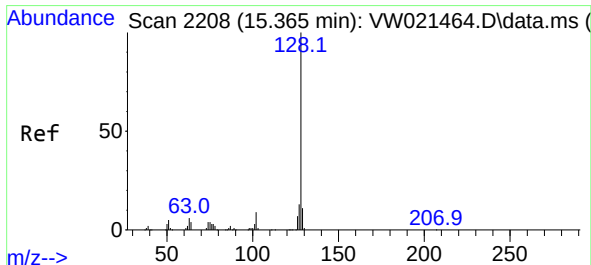
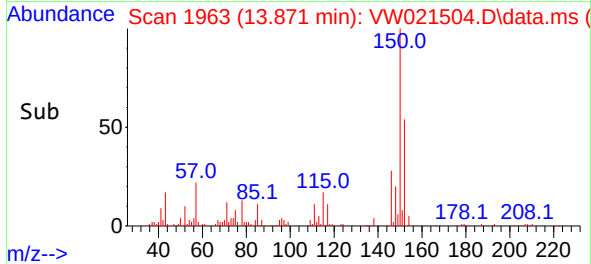
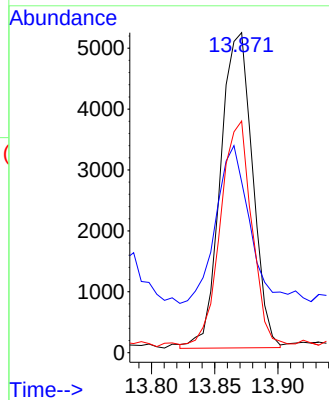
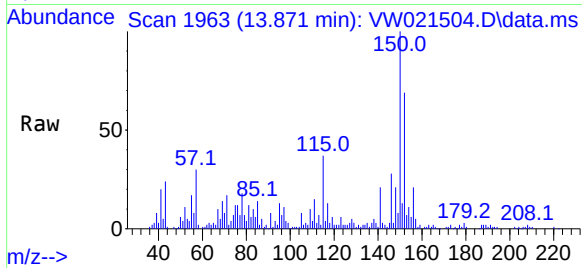
Acq: 20 Dec 2021 17:36

Instrument :

MSVOA\_W

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 9118  |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 53.4  | 33.1  | 49.7# |
| 148      | 72.4  | 47.4  | 71.2# |



#71

Naphthalene

Concen: 38.168 ug/L

RT: 15.359 min Scan# 2207

Delta R.T. 0.000 min

Lab File: VW021504.D

Acq: 20 Dec 2021 17:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 294839 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.7  | 10.7  | 16.1   |
| 129      | 11.1  | 8.6   | 12.8   |

