

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
 Data File : VW021095.D  
 Acq On : 04 Dec 2021 04:28  
 Operator : SY/VA  
 Sample : M4883-07  
 Misc : 3.84g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 45 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW9G3

Quant Time: Dec 04 05:45:34 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Sat Dec 04 04:50:24 2021  
 Response via : Initial Calibration

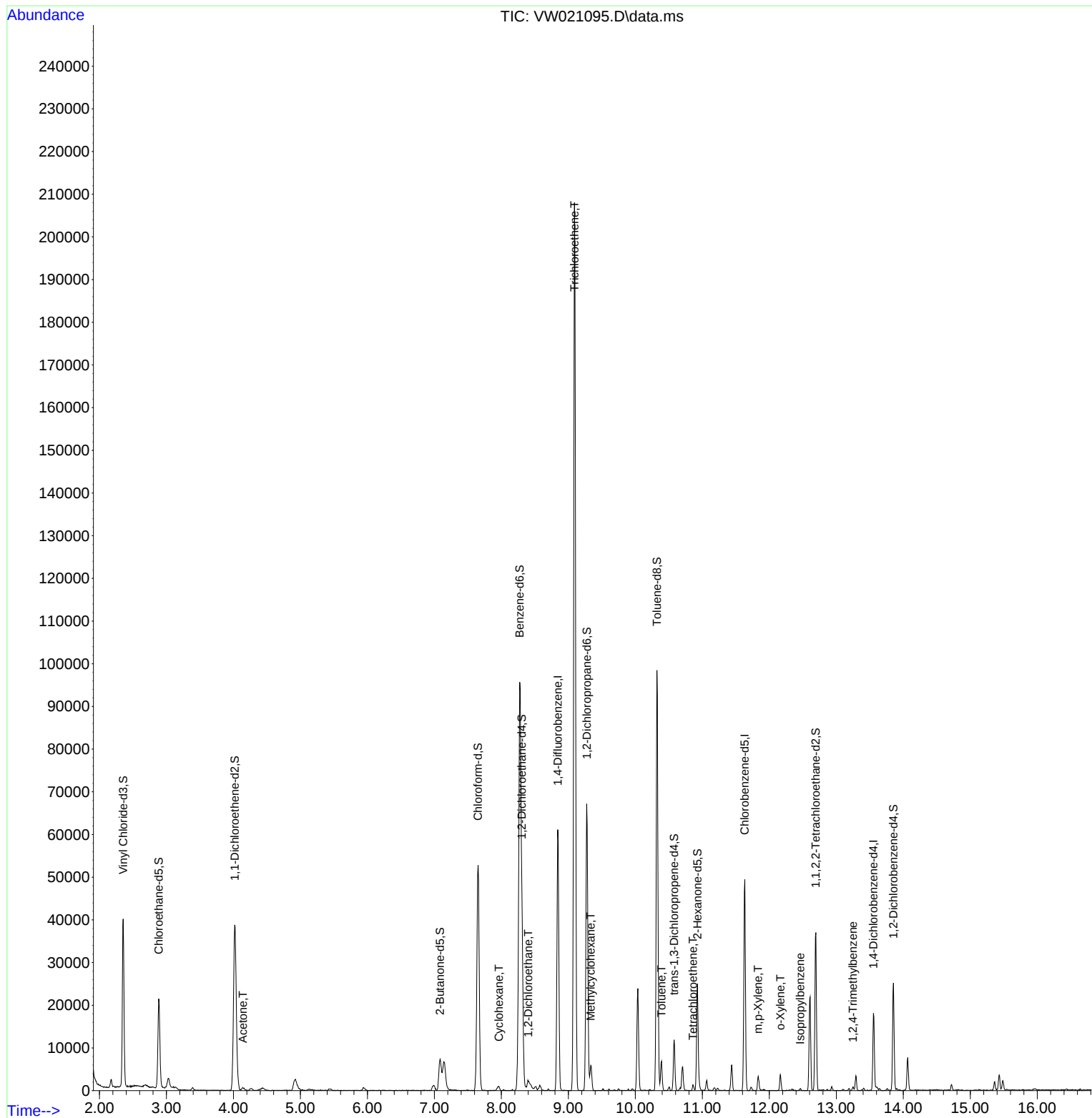
| Compound                      | R.T. QIon |                | Response | Conc        | Units  | Dev(Min) |
|-------------------------------|-----------|----------------|----------|-------------|--------|----------|
| -----                         |           |                |          |             |        |          |
| Internal Standards            |           |                |          |             |        |          |
| 1) 1,4-Difluorobenzene        | 8.841     | 114            | 52362    | 25.000      | ug/L   | # 0.00   |
| 28) Chlorobenzene-d5          | 11.633    | 117            | 27354    | 25.000      | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.554    | 152            | 5002     | 25.000      | ug/L   | 0.00     |
| System Monitoring Compounds   |           |                |          |             |        |          |
| 4) Vinyl Chloride-d3          | 2.355     | 65             | 37177    | 50.959      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 30 - 150 | Recovery | = 203.840%# |        |          |
| 7) Chloroethane-d5            | 2.885     | 69             | 23372    | 47.857      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 30 - 150 | Recovery | = 191.440%# |        |          |
| 11) 1,1-Dichloroethene-d2     | 4.019     | 63             | 36540    | 31.352      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 45 - 110 | Recovery | = 125.400%# |        |          |
| 21) 2-Butanone-d5             | 7.085     | 46             | 12369    | 74.331      | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 20 - 135 | Recovery | = 148.660%# |        |          |
| 24) Chloroform-d              | 7.652     | 84             | 52305    | 39.887      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 40 - 150 | Recovery | = 159.560%# |        |          |
| 26) 1,2-Dichloroethane-d4     | 8.305     | 65             | 26374    | 36.763      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 70 - 130 | Recovery | = 147.040%# |        |          |
| 32) Benzene-d6                | 8.274     | 84             | 94449    | 67.529      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 20 - 135 | Recovery | = 270.120%# |        |          |
| 36) 1,2-Dichloropropane-d6    | 9.274     | 67             | 28088    | 72.266      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 70 - 120 | Recovery | = 289.080%# |        |          |
| 41) Toluene-d8                | 10.323    | 98             | 64562    | 45.018      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 30 - 130 | Recovery | = 180.080%# |        |          |
| 43) trans-1,3-Dichloroprop... | 10.579    | 79             | 6224     | 35.266      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 30 - 135 | Recovery | = 141.080%# |        |          |
| 47) 2-Hexanone-d5             | 10.926    | 63             | 7986     | 107.391     | ug/L   | 0.00     |
| Spiked Amount                 | 50.000    | Range 20 - 135 | Recovery | = 214.780%# |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.694    | 84             | 16619    | 46.218      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 45 - 120 | Recovery | = 184.880%# |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.852    | 152            | 6929     | 38.662      | ug/L   | 0.00     |
| Spiked Amount                 | 25.000    | Range 75 - 120 | Recovery | = 154.640%# |        |          |
| Target Compounds              |           |                |          |             |        |          |
|                               |           |                |          |             | Qvalue |          |
| 13) Acetone                   | 4.141     | 43             | 1284     | 8.471       | ug/L   | 88       |
| 27) 1,2-Dichloroethane        | 8.402     | 62             | 1442     | 1.711       | ug/L # | 95       |
| 29) Cyclohexane               | 7.963     | 56             | 542      | 0.898       | ug/L # | 73       |
| 34) Trichloroethene           | 9.091     | 95             | 66424    | 154.783     | ug/L   | 90       |
| 35) Methylcyclohexane         | 9.335     | 83             | 2212     | 3.062       | ug/L # | 94       |
| 42) Toluene                   | 10.390    | 91             | 5062     | 2.849       | ug/L   | 92       |
| 46) Tetrachloroethene         | 10.859    | 164            | 264      | 0.672       | ug/L   | 83       |
| 53) m,p-Xylene                | 11.828    | 106            | 1068     | 1.291       | ug/L   | 74       |
| 54) o-Xylene                  | 12.164    | 106            | 1032     | 1.323       | ug/L   | 70       |
| 60) Isopropylbenzene          | 12.463    | 105            | 482      | 0.693       | ug/L # | 76       |
| 63) 1,2,4-Trimethylbenzene    | 13.249    | 105            | 805      | 1.375       | ug/L   | 98       |
| -----                         |           |                |          |             |        |          |

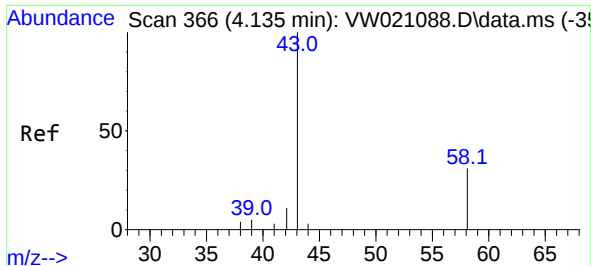
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW120321\  
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Sample : M4883-07  
Misc : 3.84g/10.0mL/MSVOA\_W/SOIL  
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Quant Time: Dec 04 05:45:34 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120321SMA.M  
Quant Title : SFAM01.0  
QLast Update : Sat Dec 04 04:50:24 2021  
Response via : Initial Calibration





#13

Acetone

Concen: 8.471 ug/L

RT: 4.141 min Scan# 3

Delta R.T. 0.006 min

Lab File: VW021095.D

Acq: 04 Dec 2021 04:28

Instrument :

MSVOA\_W

ClientSampleId :

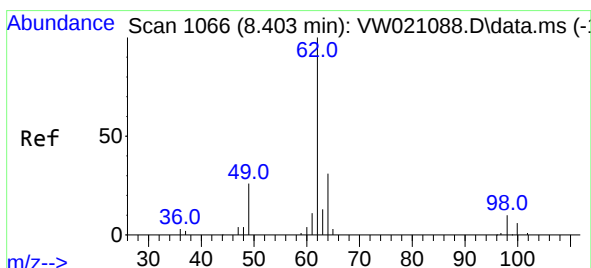
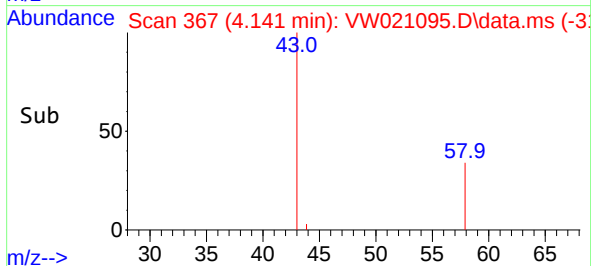
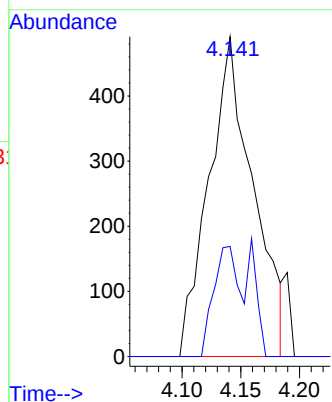
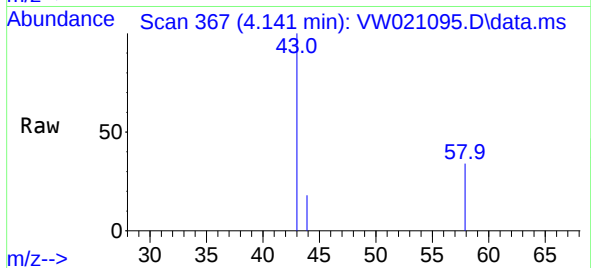
EW9G3

Tgt Ion: 43 Resp: 1284

Ion Ratio Lower Upper

43 100

58 20.2 0.0 52.8



#27

1,2-Dichloroethane

Concen: 1.711 ug/L

RT: 8.402 min Scan# 1066

Delta R.T. -0.000 min

Lab File: VW021095.D

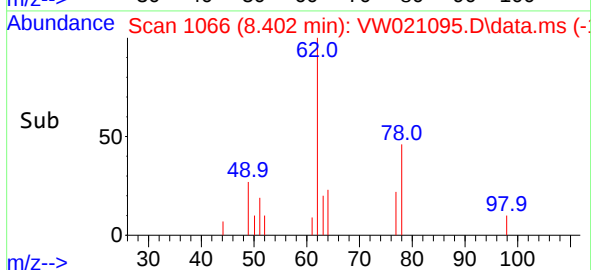
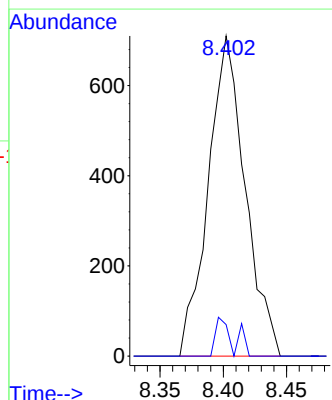
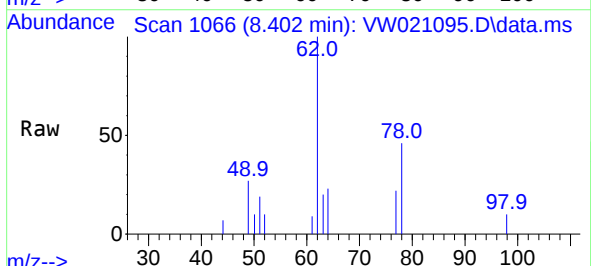
Acq: 04 Dec 2021 04:28

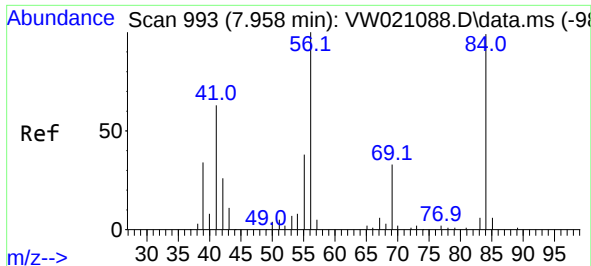
Tgt Ion: 62 Resp: 1442

Ion Ratio Lower Upper

62 100

98 9.9 6.5 9.7#

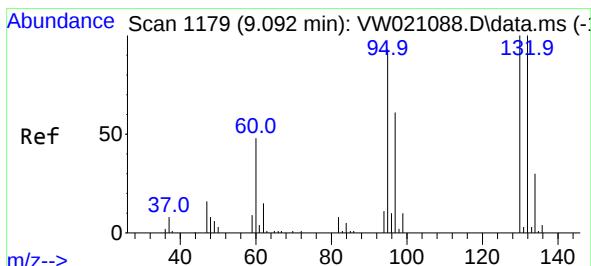
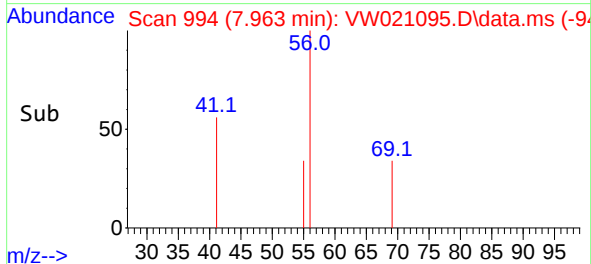
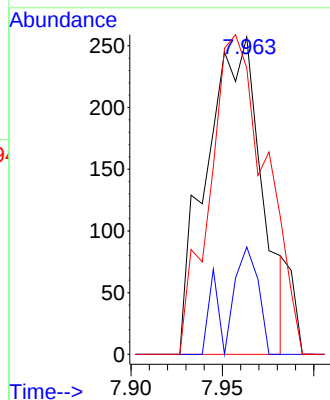
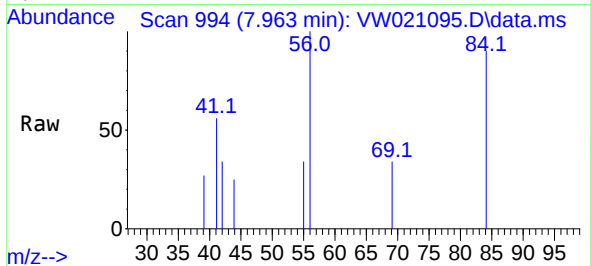




#29  
Cyclohexane  
Concen: 0.898 ug/L  
RT: 7.963 min Scan# 993  
Delta R.T. 0.006 min  
Lab File: VW021095.D  
Acq: 04 Dec 2021 04:28

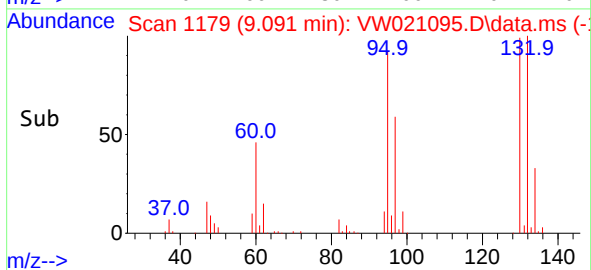
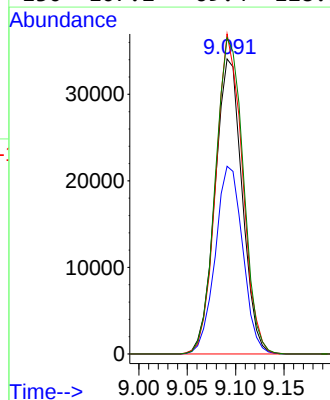
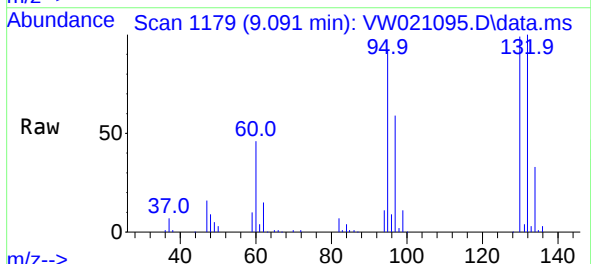
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9G3

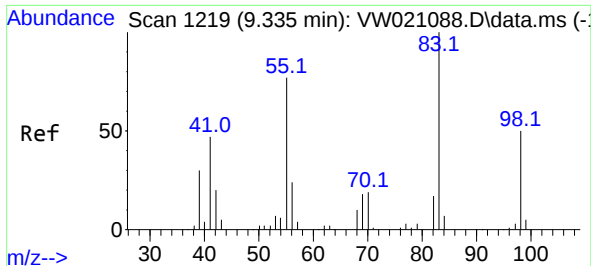
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 542   |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 14.2  | 23.5  | 35.3# |
| 84       | 102.8 | 63.4  | 95.2# |



#34  
Trichloroethene  
Concen: 154.783 ug/L  
RT: 9.091 min Scan# 1179  
Delta R.T. -0.000 min  
Lab File: VW021095.D  
Acq: 04 Dec 2021 04:28

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 66424 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 97       | 63.6  | 47.0  | 87.2  |
| 132      | 108.5 | 65.5  | 121.6 |
| 130      | 107.2 | 69.4  | 128.8 |





#35

Methylcyclohexane

Concen: 3.062 ug/L

RT: 9.335 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VW021095.D

Acq: 04 Dec 2021 04:28

Instrument :

MSVOA\_W

ClientSampleId :

EW9G3

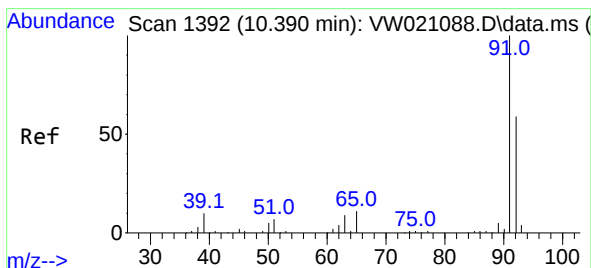
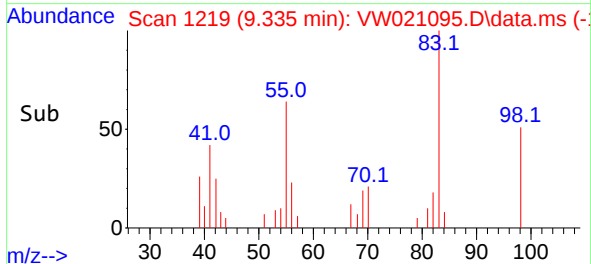
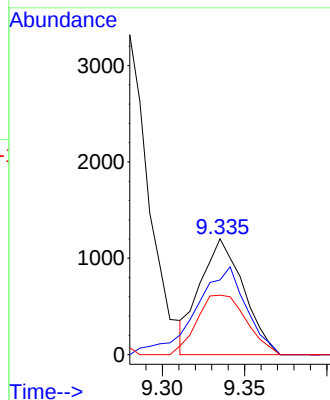
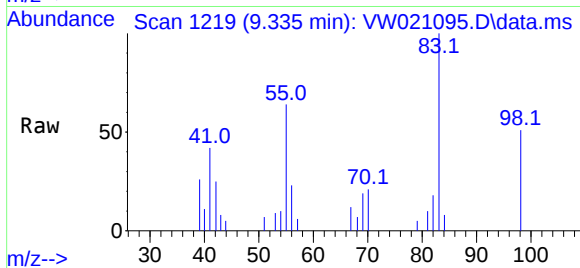
Tgt Ion: 83 Resp: 2212

Ion Ratio Lower Upper

83 100

55 87.8 70.8 106.2

98 58.3 37.7 56.5#



#42

Toluene

Concen: 2.849 ug/L

RT: 10.390 min Scan# 1392

Delta R.T. -0.000 min

Lab File: VW021095.D

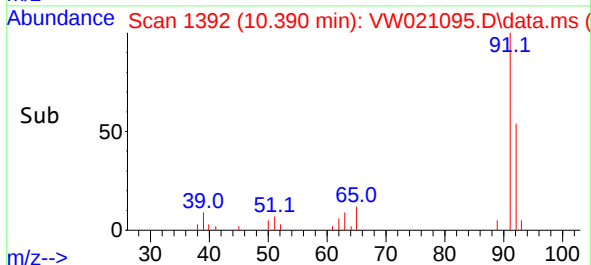
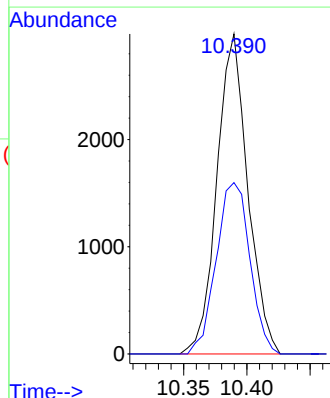
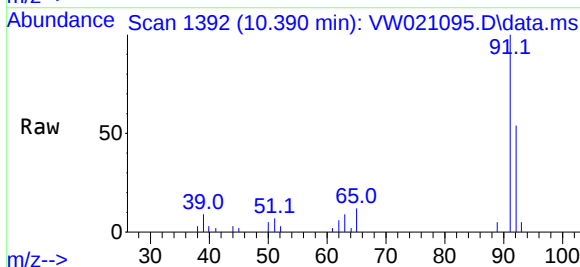
Acq: 04 Dec 2021 04:28

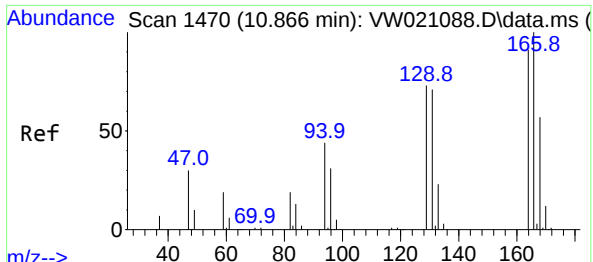
Tgt Ion: 91 Resp: 5062

Ion Ratio Lower Upper

91 100

92 53.6 41.7 77.5



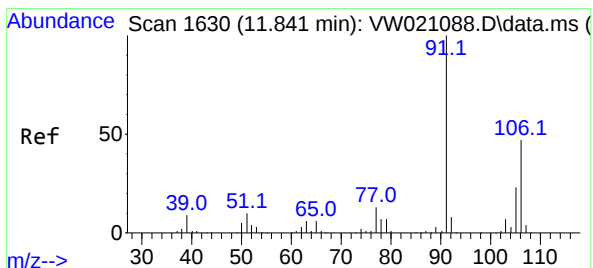
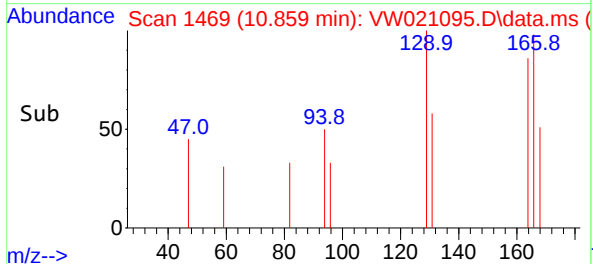
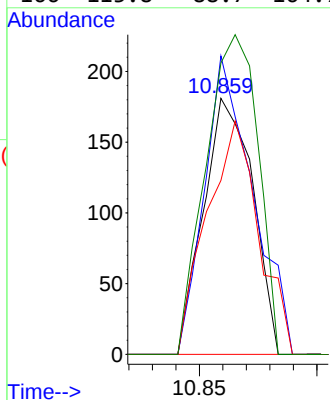
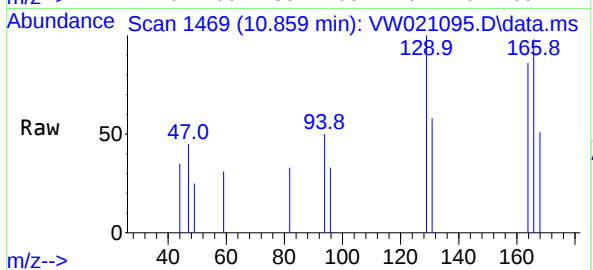


#46  
Tetrachloroethene  
Concen: 0.672 ug/L  
RT: 10.859 min Scan# 14  
Delta R.T. -0.007 min  
Lab File: VW021095.D  
Acq: 04 Dec 2021 04:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9G3

Tgt Ion:164 Resp: 264

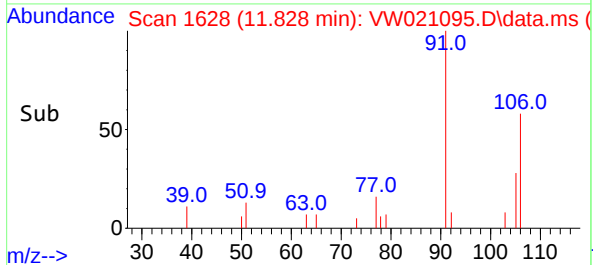
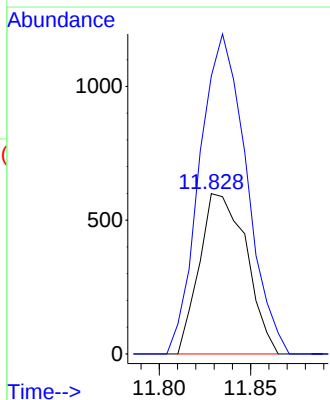
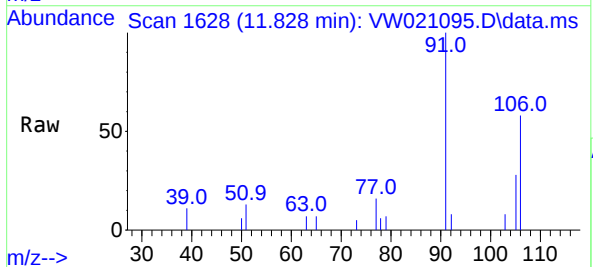
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 116.6 | 65.5  | 121.7 |
| 131 | 68.0  | 59.7  | 110.9 |
| 166 | 113.8 | 88.7  | 164.7 |

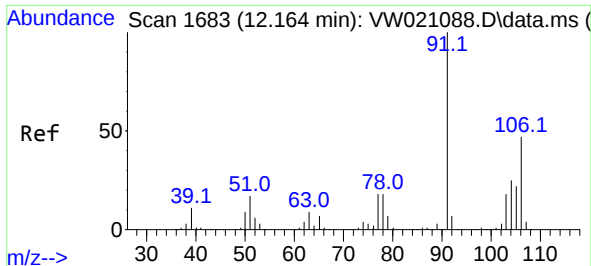


#53  
m,p-Xylene  
Concen: 1.291 ug/L  
RT: 11.828 min Scan# 1628  
Delta R.T. -0.013 min  
Lab File: VW021095.D  
Acq: 04 Dec 2021 04:28

Tgt Ion:106 Resp: 1068

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 106 | 100   |       |       |
| 91  | 173.5 | 149.9 | 278.3 |

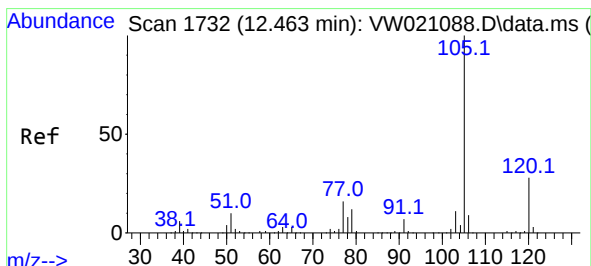
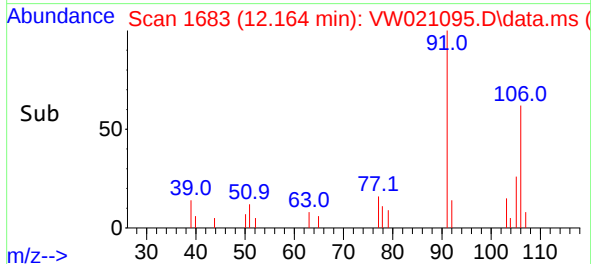
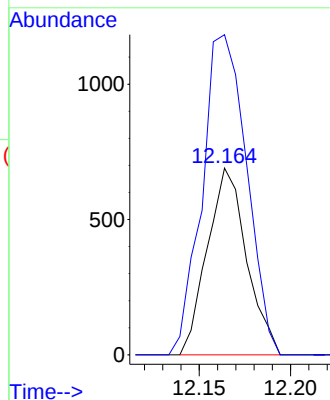
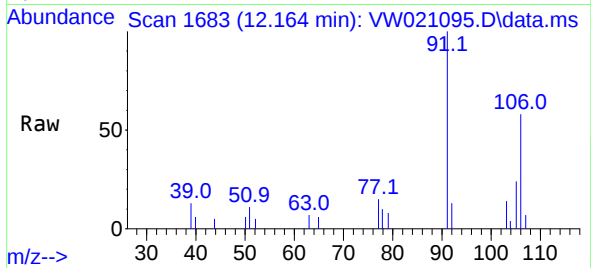




#54  
o-Xylene  
Concen: 1.323 ug/L  
RT: 12.164 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW021095.D  
Acq: 04 Dec 2021 04:28

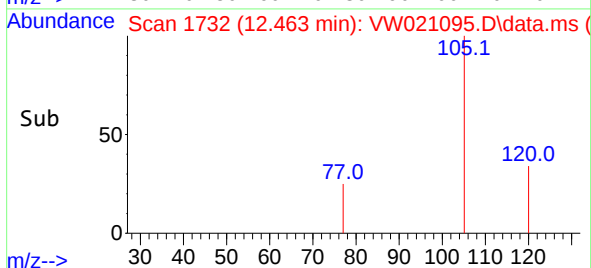
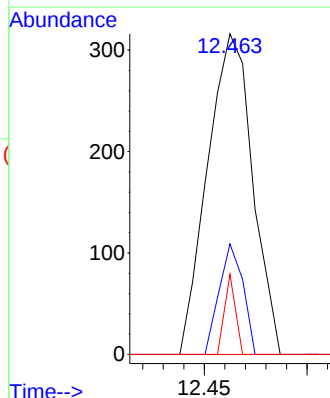
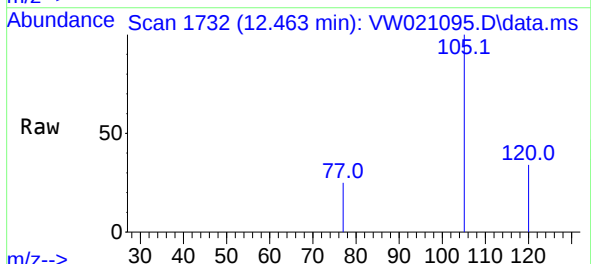
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9G3

Tgt Ion:106 Resp: 1032  
Ion Ratio Lower Upper  
106 100  
91 171.4 153.6 285.3

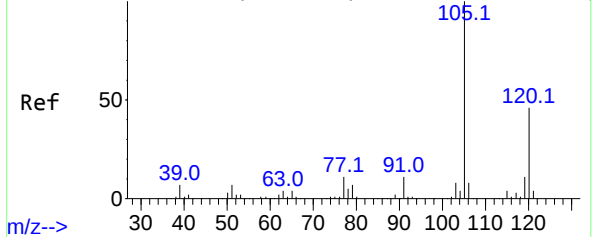


#60  
Isopropylbenzene  
Concen: 0.693 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW021095.D  
Acq: 04 Dec 2021 04:28

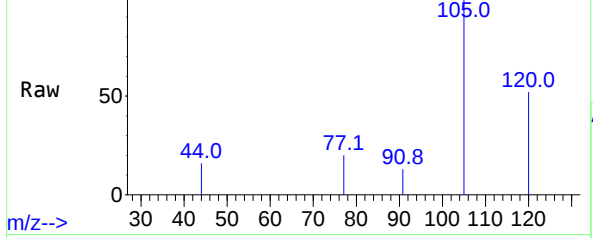
Tgt Ion:105 Resp: 482  
Ion Ratio Lower Upper  
105 100  
120 18.0 20.1 30.1#  
77 0.0 13.8 20.8#



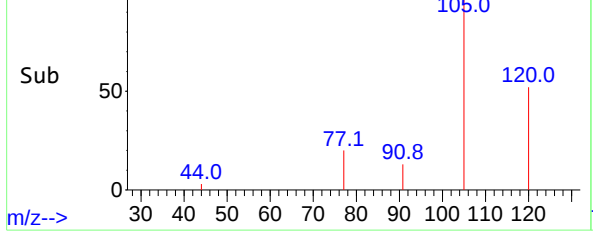
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Abundance Scan 1861 (13.249 min): VW021095.D\data.ms



Abundance Scan 1861 (13.249 min): VW021095.D\data.ms (



#63  
1,2,4-Trimethylbenzene  
Concen: 1.375 ug/L  
RT: 13.249 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VW021095.D  
Acq: 04 Dec 2021 04:28

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW9G3

Tgt Ion:105 Resp: 805  
Ion Ratio Lower Upper  
105 100  
120 42.5 35.0 52.6

