

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122121\  
 Data File : VW021541.D  
 Acq On : 21 Dec 2021 22:41  
 Operator : SY/VA  
 Sample : M5194-07  
 Misc : 7.08g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 33 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 22 03:52:01 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Dec 22 02:57:00 2021  
 Response via : Initial Calibration

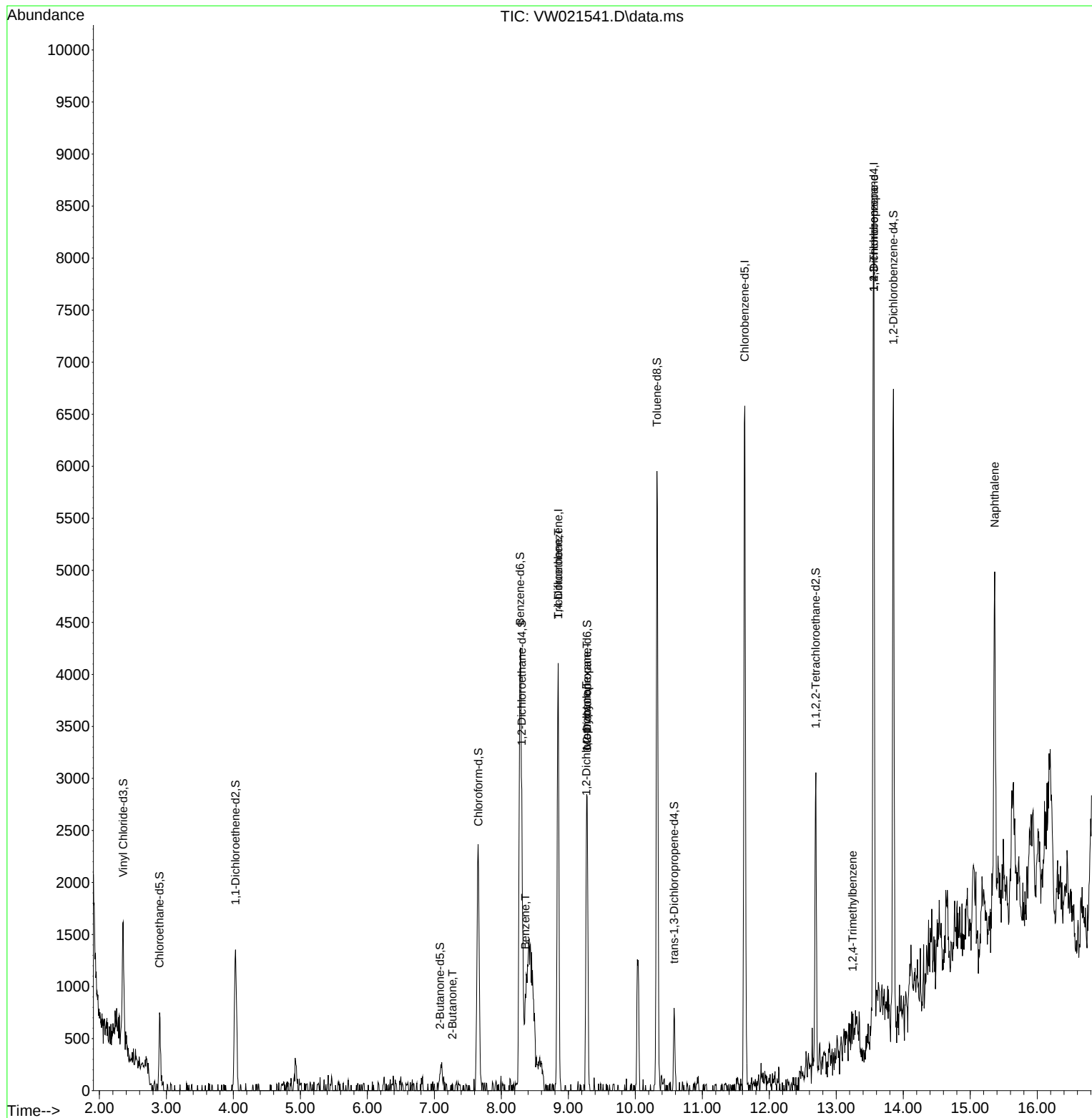
| Compound                      | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------|----------|
| -----                         |        |       |          |          |       |          |
| Internal Standards            |        |       |          |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.848  | 114   | 3982     | 25.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.634 | 117   | 4090     | 25.000   | ug/L  | # 0.00   |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 2379     | 25.000   | ug/L  | 0.00     |
|                               |        |       |          |          |       |          |
| System Monitoring Compounds   |        |       |          |          |       |          |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 1020     | 14.065   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 56.240%  |
| 7) Chloroethane-d5            | 2.898  | 69    | 810      | 16.895   | ug/L  | 0.01     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =     | 67.600%  |
| 11) 1,1-Dichloroethene-d2     | 4.032  | 63    | 1383     | 14.304   | ug/L  | 0.01     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =     | 57.200%  |
| 21) 2-Butanone-d5             | 7.086  | 46    | 289      | 28.270   | ug/L  | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 56.540%  |
| 24) Chloroform-d              | 7.659  | 84    | 2469     | 22.249   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =     | 89.000%  |
| 26) 1,2-Dichloroethane-d4     | 8.305  | 65    | 1711     | 28.986   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =     | 115.960% |
| 32) Benzene-d6                | 8.281  | 84    | 4671     | 20.835   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =     | 83.360%  |
| 36) 1,2-Dichloropropane-d6    | 9.281  | 67    | 1364     | 22.686   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =     | 90.760%  |
| 41) Toluene-d8                | 10.323 | 98    | 4334     | 18.921   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =     | 75.680%  |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 545      | 19.686   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =     | 78.760%  |
| 47) 2-Hexanone-d5             | 0.000  | 63    | 0        | 0.000    | ug/L  |          |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =     | 0.000%#  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.695 | 84    | 1301     | 25.172   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =     | 100.680% |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 1829     | 19.837   | ug/L  | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =     | 79.360%  |
|                               |        |       |          |          |       |          |
| Target Compounds              |        |       |          |          |       |          |
| 22) 2-Butanone                | 7.269  | 43    | 45       | 3.760    | ug/L  | # 52     |
| 33) Benzene                   | 8.360  | 78    | 962      | 4.318    | ug/L  | 100      |
| 34) Trichloroethene           | 8.848  | 95    | 73       | 1.167    | ug/L  | # 5      |
| 35) Methylcyclohexane         | 9.275  | 83    | 338      | 3.276    | ug/L  | # 14     |
| 37) 1,2-Dichloropropane       | 9.268  | 63    | 123      | 2.475    | ug/L  | # 88     |
| 61) 1,2,3-Trichloropropane    | 13.560 | 75    | 229      | 6.614    | ug/L  | # 55     |
| 63) 1,2,4-Trimethylbenzene    | 13.243 | 105   | 120      | 0.442    | ug/L  | # 32     |
| 71) Naphthalene               | 15.365 | 128   | 2972     | 19.957   | ug/L  | 96       |
| -----                         |        |       |          |          |       |          |

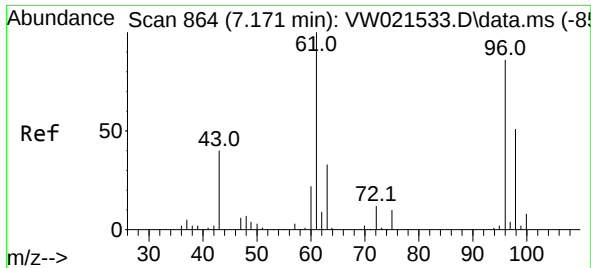
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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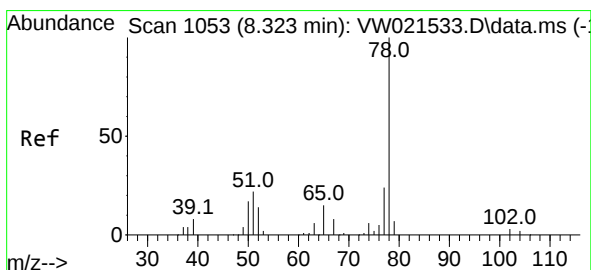
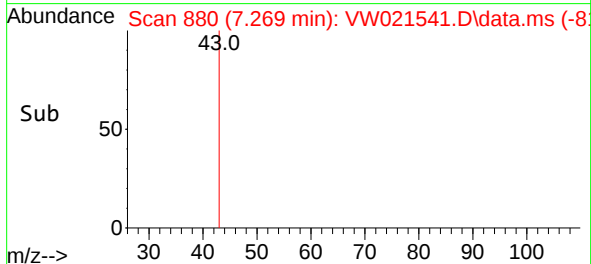
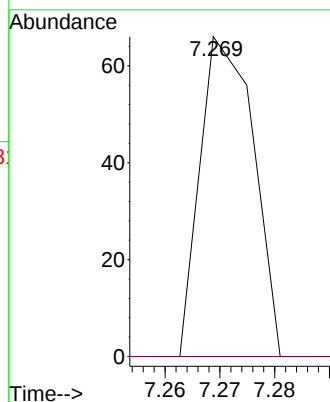
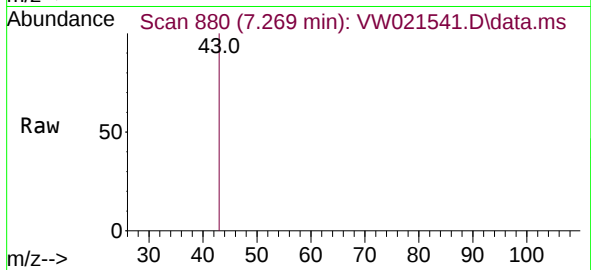




#22  
2-Butanone  
Concen: 3.760 ug/L  
RT: 7.269 min Scan# 864  
Delta R.T. 0.098 min  
Lab File: VW021541.D  
Acq: 21 Dec 2021 22:41

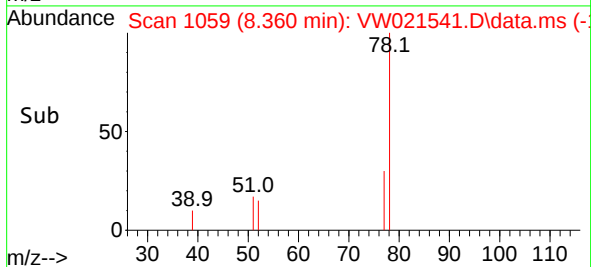
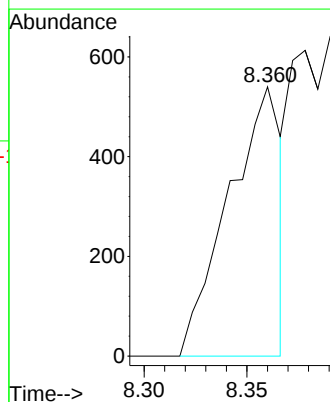
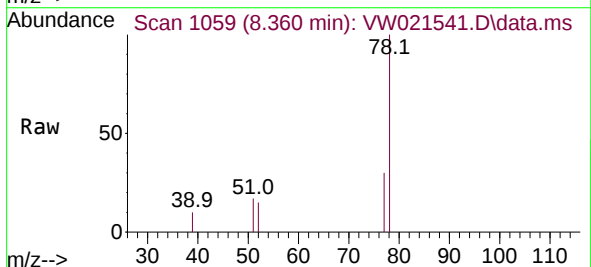
Instrument :  
MSVOA\_W  
ClientSampleId :

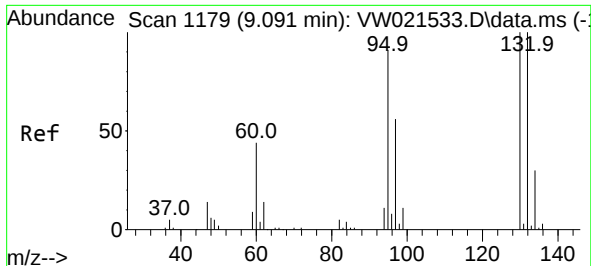
Tgt Ion: 43 Resp: 45  
Ion Ratio Lower Upper  
43 100  
72 0.0 11.8 35.4#



#33  
Benzene  
Concen: 4.318 ug/L  
RT: 8.360 min Scan# 1059  
Delta R.T. 0.037 min  
Lab File: VW021541.D  
Acq: 21 Dec 2021 22:41

Tgt Ion: 78 Resp: 962





#34

Trichloroethene

Concen: 1.167 ug/L

RT: 8.848 min Scan# 1179

Delta R.T. -0.244 min

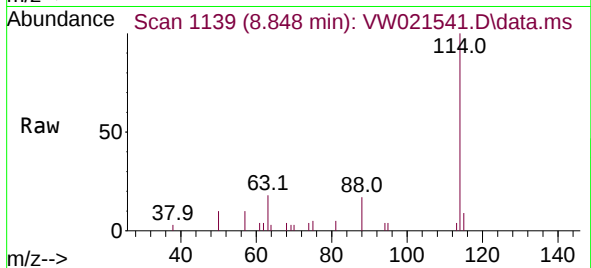
Lab File: VW021541.D

Acq: 21 Dec 2021 22:41

Instrument :

MSVOA\_W

ClientSampleId :



Tgt Ion: 95 Resp: 73

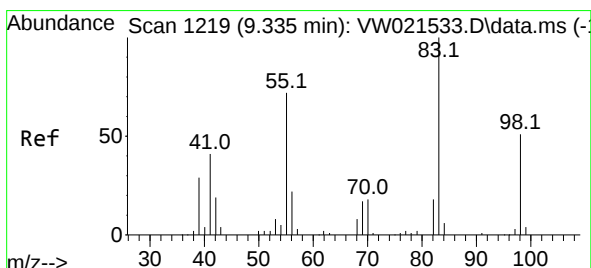
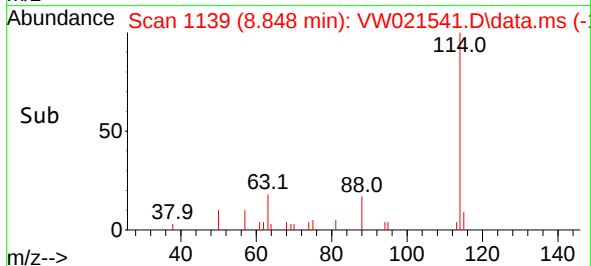
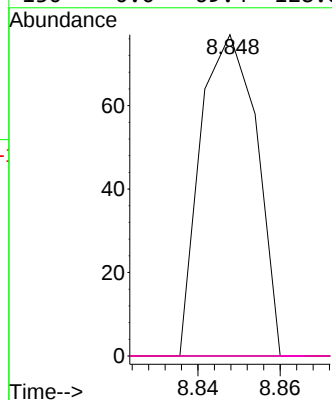
Ion Ratio Lower Upper

95 100

97 0.0 47.0 87.2#

132 0.0 65.5 121.6#

130 0.0 69.4 128.8#



#35

Methylcyclohexane

Concen: 3.276 ug/L

RT: 9.275 min Scan# 1209

Delta R.T. -0.061 min

Lab File: VW021541.D

Acq: 21 Dec 2021 22:41

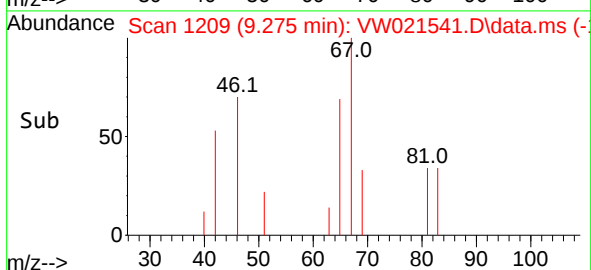
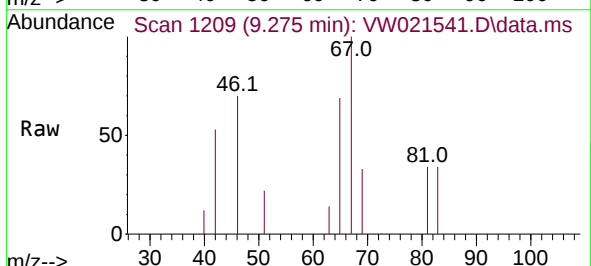
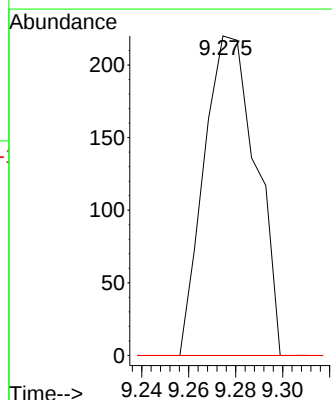
Tgt Ion: 83 Resp: 338

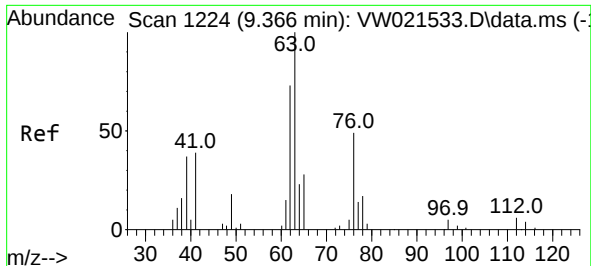
Ion Ratio Lower Upper

83 100

55 0.0 70.8 106.2#

98 0.0 37.7 56.5#





#37

1,2-Dichloropropane

Concen: 2.475 ug/L

RT: 9.268 min Scan# 11

Delta R.T. -0.097 min

Lab File: VW021541.D

Acq: 21 Dec 2021 22:41

Instrument :

MSVOA\_W

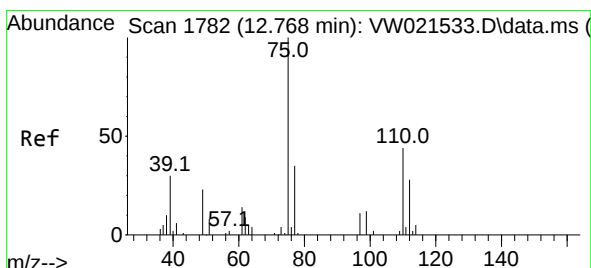
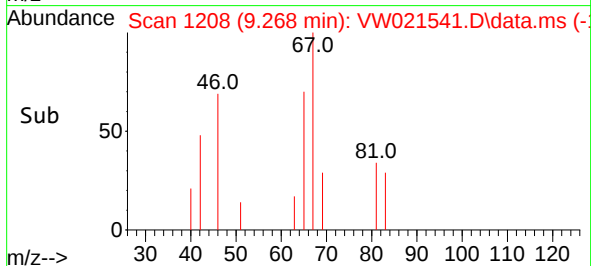
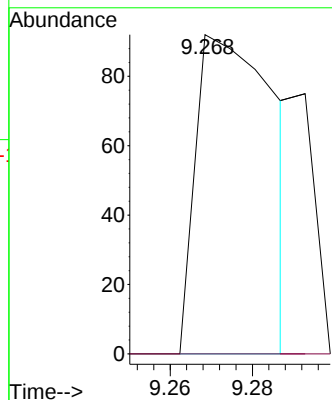
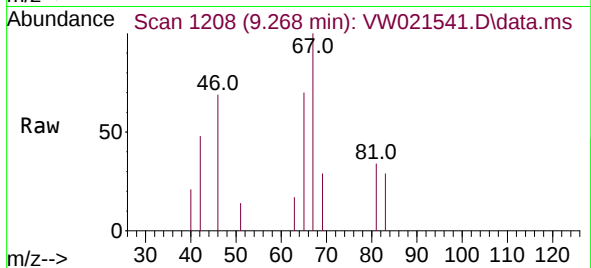
ClientSampleId :

Tgt Ion: 63 Resp: 123

Ion Ratio Lower Upper

63 100

112 0.0 3.2 4.8#



#61

1,2,3-Trichloropropane

Concen: 6.614 ug/L

RT: 13.560 min Scan# 1912

Delta R.T. 0.793 min

Lab File: VW021541.D

Acq: 21 Dec 2021 22:41

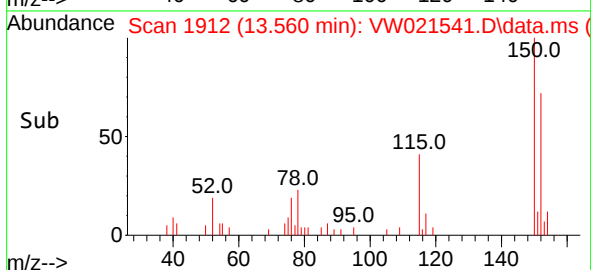
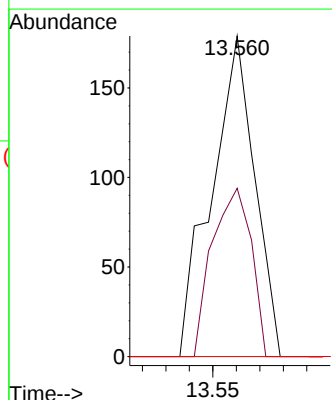
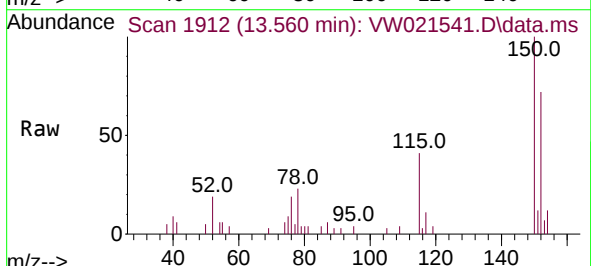
Tgt Ion: 75 Resp: 229

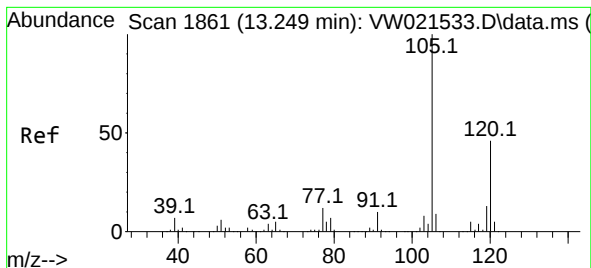
Ion Ratio Lower Upper

75 100

77 47.6 25.8 38.8#

110 0.0 29.0 43.4#

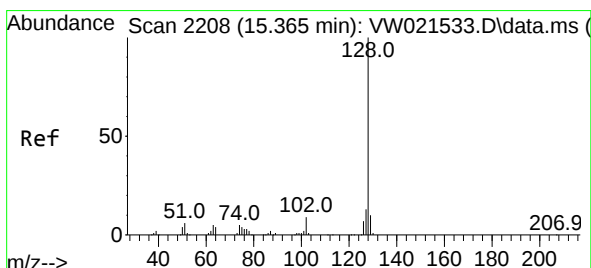
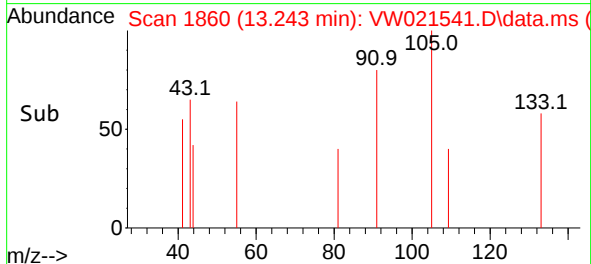
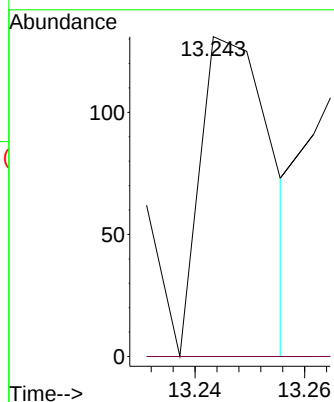
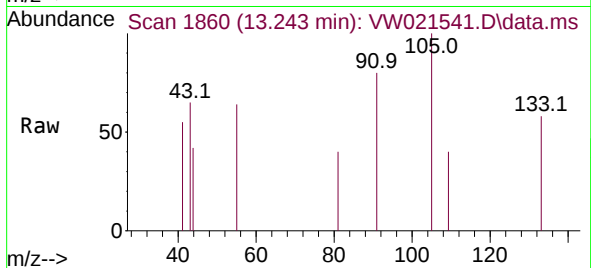




#63  
1,2,4-Trimethylbenzene  
Concen: 0.442 ug/L  
RT: 13.243 min Scan# 1860  
Delta R.T. -0.006 min  
Lab File: VW021541.D  
Acq: 21 Dec 2021 22:41

Instrument :  
MSVOA\_W  
ClientSampleId :

Tgt Ion:105 Resp: 120  
Ion Ratio Lower Upper  
105 100  
120 0.0 35.0 52.6#



#71  
Naphthalene  
Concen: 19.957 ug/L  
RT: 15.365 min Scan# 2208  
Delta R.T. 0.000 min  
Lab File: VW021541.D  
Acq: 21 Dec 2021 22:41

Tgt Ion:128 Resp: 2972  
Ion Ratio Lower Upper  
128 100  
127 15.8 10.7 16.1  
129 11.5 8.6 12.8

