

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW122221\  
 Data File : VW021628.D  
 Acq On : 23 Dec 2021 21:53  
 Operator : SY/VA  
 Sample : VIBLK  
 Misc : 5.00g/10.0mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :

Quant Time: Dec 24 01:47:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Fri Dec 24 01:43:02 2021  
 Response via : Initial Calibration

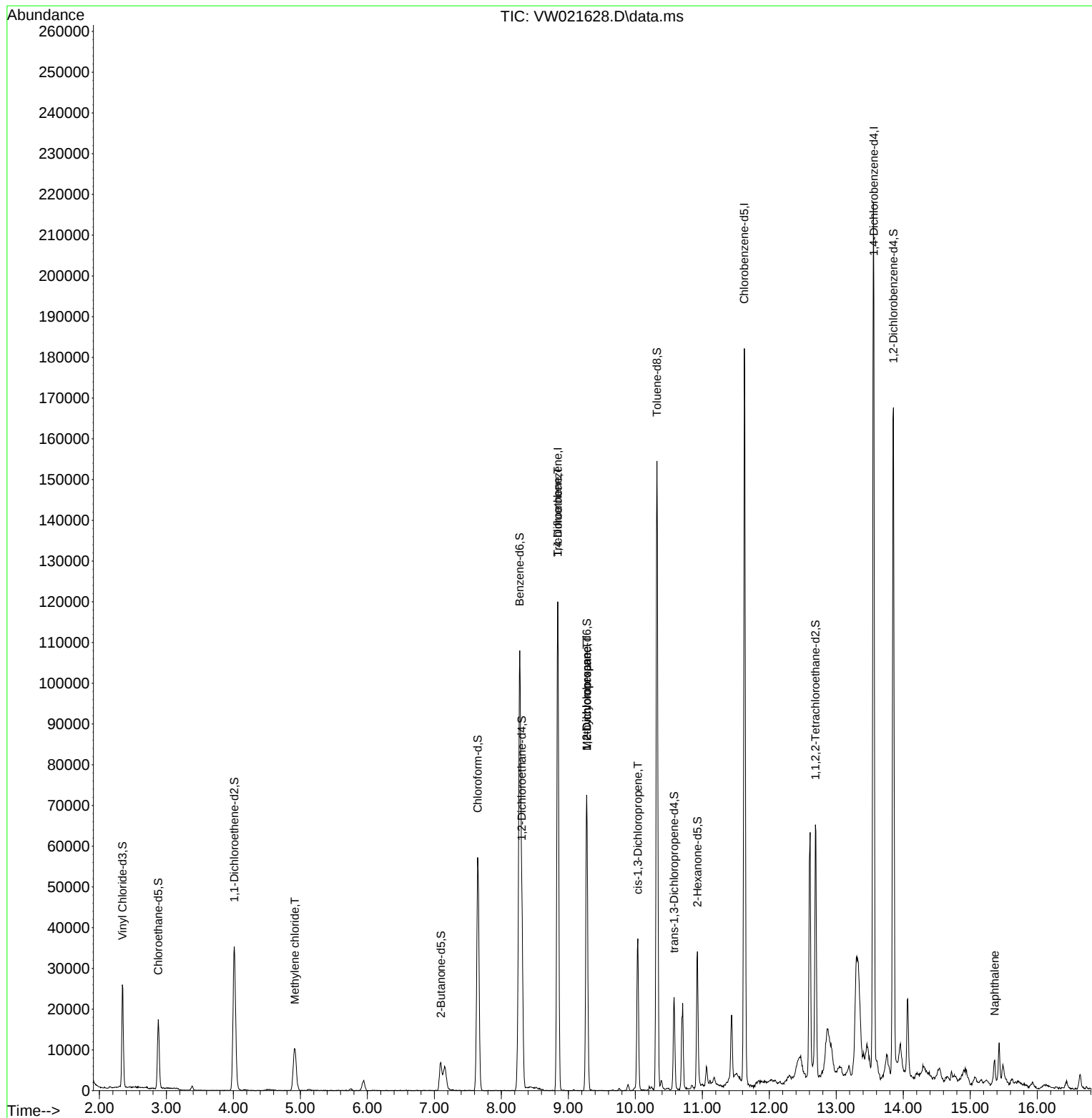
| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 8.842          | 114  | 104081     | 25.000   | ug/L  | # 0.00   |
| 28) Chlorobenzene-d5          | 11.628         | 117  | 99120      | 25.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560         | 152  | 57019      | 25.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 2.343          | 65   | 24352      | 12.847   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 51.400%  |       |          |
| 7) Chloroethane-d5            | 2.879          | 69   | 18370      | 14.659   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 150 |      | Recovery = | 58.640%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 4.013          | 63   | 32937      | 13.033   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 110 |      | Recovery = | 52.120%  |       |          |
| 21) 2-Butanone-d5             | 7.098          | 46   | 13367      | 50.026   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 100.060% |       |          |
| 24) Chloroform-d              | 7.647          | 84   | 57353      | 19.773   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 40 - 150 |      | Recovery = | 79.080%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 8.305          | 65   | 32239      | 20.896   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 130 |      | Recovery = | 83.600%  |       |          |
| 32) Benzene-d6                | 8.275          | 84   | 104994     | 19.325   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 20 - 135 |      | Recovery = | 77.280%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 9.275          | 67   | 31040      | 21.303   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 70 - 120 |      | Recovery = | 85.200%  |       |          |
| 41) Toluene-d8                | 10.323         | 98   | 103202     | 18.591   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 130 |      | Recovery = | 74.360%  |       |          |
| 43) trans-1,3-Dichloroprop... | 10.579         | 79   | 11970      | 17.841   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 30 - 135 |      | Recovery = | 71.360%  |       |          |
| 47) 2-Hexanone-d5             | 10.927         | 63   | 10975      | 50.936   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 20 - 135 |      | Recovery = | 101.880% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689         | 84   | 27714      | 22.126   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 45 - 120 |      | Recovery = | 88.520%  |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853         | 152  | 45489      | 20.585   | ug/L  | 0.00     |
| Spiked Amount 25.000          | Range 75 - 120 |      | Recovery = | 82.360%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 16) Methylene chloride        | 4.916          | 84   | 8573       | 4.985    | ug/L  | 80       |
| 34) Trichloroethene           | 8.842          | 95   | 3203       | 2.113    | ug/L  | # 5      |
| 35) Methylcyclohexane         | 9.275          | 83   | 8420       | 3.368    | ug/L  | # 14     |
| 37) 1,2-Dichloropropane       | 9.275          | 63   | 4095       | 3.400    | ug/L  | # 88     |
| 39) cis-1,3-Dichloropropene   | 10.037         | 75   | 1036       | 0.546    | ug/L  | # 63     |
| 71) Naphthalene               | 15.365         | 128  | 5256       | 1.473    | ug/L  | 98       |
| -----                         |                |      |            |          |       |          |

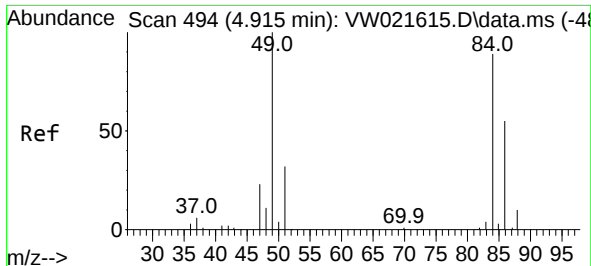
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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MSVOA\_W  
ClientSampleId :

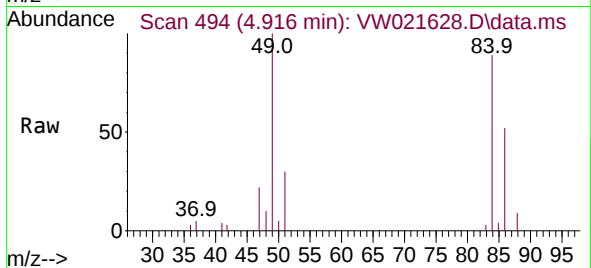
Quant Time: Dec 24 01:47:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM120921SMA.M  
Quant Title : SFAM01.0  
QLast Update : Fri Dec 24 01:43:02 2021  
Response via : Initial Calibration





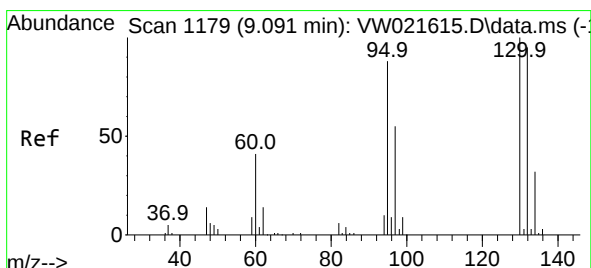
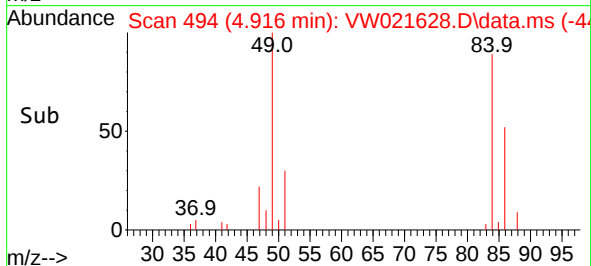
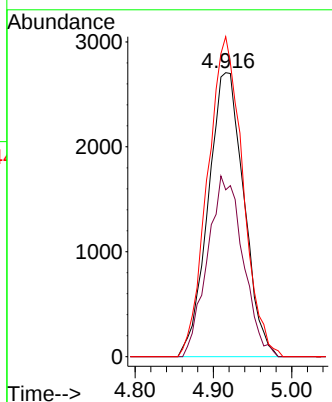
#16  
Methylene chloride  
Concen: 4.985 ug/L  
RT: 4.916 min Scan# 49  
Delta R.T. 0.000 min  
Lab File: VW021628.D  
Acq: 23 Dec 2021 21:53

Instrument :  
MSVOA\_W  
ClientSampleId :



Tgt Ion: 84 Resp: 8573

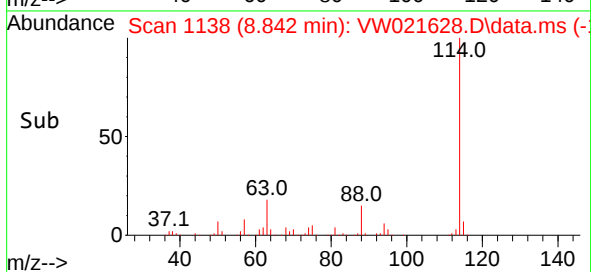
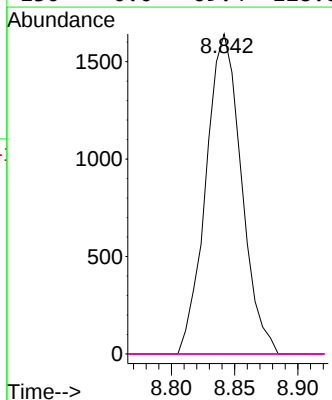
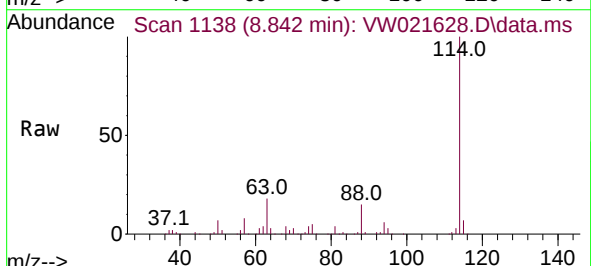
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 58.8  | 45.5  | 84.5  |
| 49  | 112.7 | 100.5 | 186.7 |

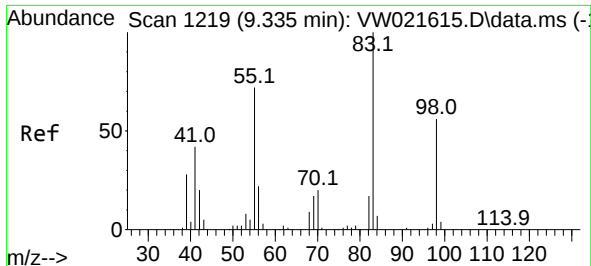


#34  
Trichloroethene  
Concen: 2.113 ug/L  
RT: 8.842 min Scan# 1138  
Delta R.T. -0.250 min  
Lab File: VW021628.D  
Acq: 23 Dec 2021 21:53

Tgt Ion: 95 Resp: 3203

| 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# |

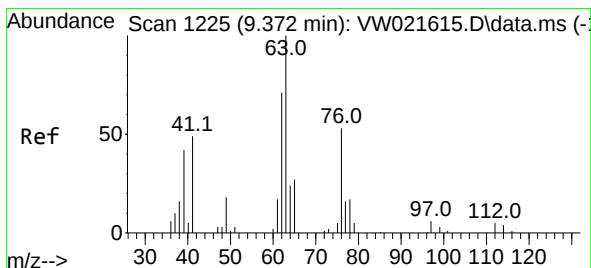
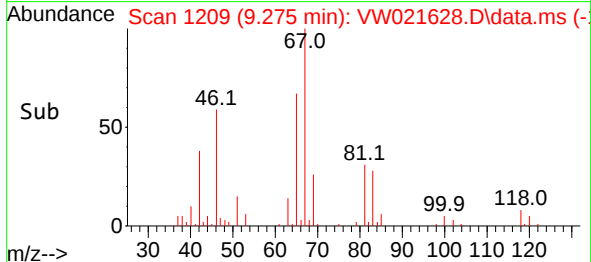
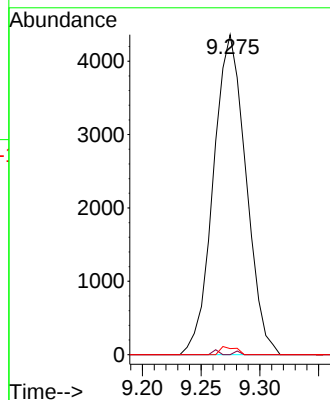
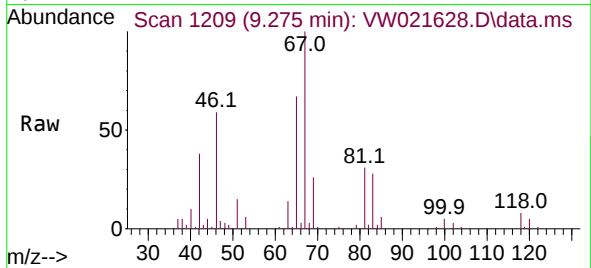




#35  
Methylcyclohexane  
Concen: 3.368 ug/L  
RT: 9.275 min Scan# 11  
Delta R.T. -0.061 min  
Lab File: VW021628.D  
Acq: 23 Dec 2021 21:53

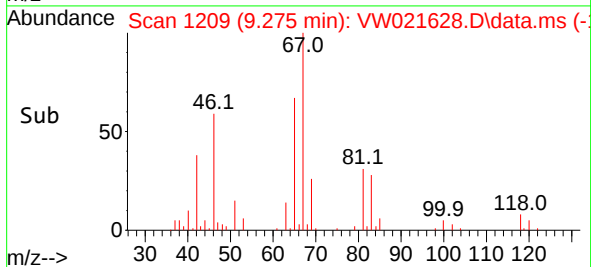
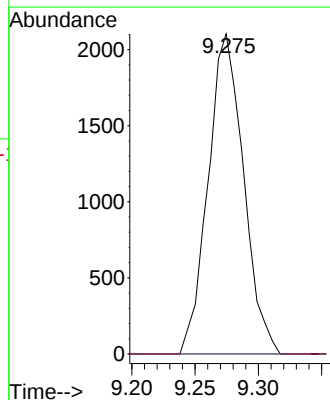
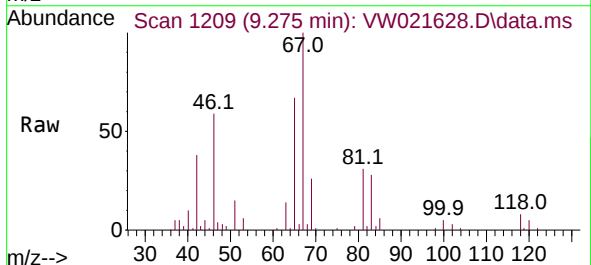
Instrument :  
MSVOA\_W  
ClientSampleId :

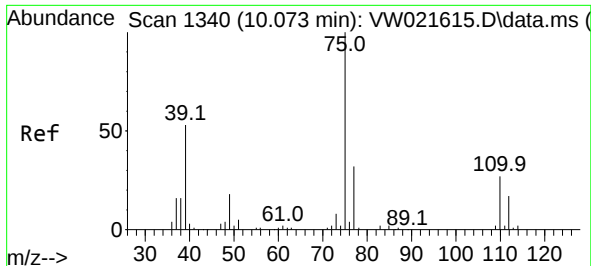
Tgt Ion: 83 Resp: 8420  
Ion Ratio Lower Upper  
83 100  
55 0.0 70.8 106.2#  
98 1.2 37.7 56.5#



#37  
1,2-Dichloropropane  
Concen: 3.400 ug/L  
RT: 9.275 min Scan# 1209  
Delta R.T. -0.097 min  
Lab File: VW021628.D  
Acq: 23 Dec 2021 21:53

Tgt Ion: 63 Resp: 4095  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.2 4.8#





#39

cis-1,3-Dichloropropene

Concen: 0.546 ug/L

RT: 10.037 min Scan# 11

Delta R.T. -0.036 min

Lab File: VW021628.D

Acq: 23 Dec 2021 21:53

Instrument :

MSVOA\_W

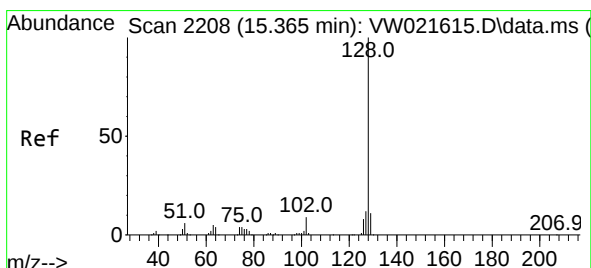
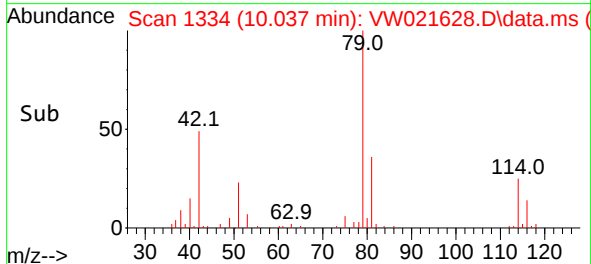
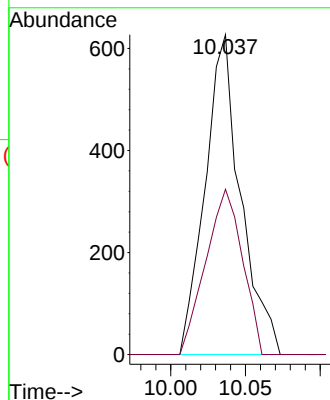
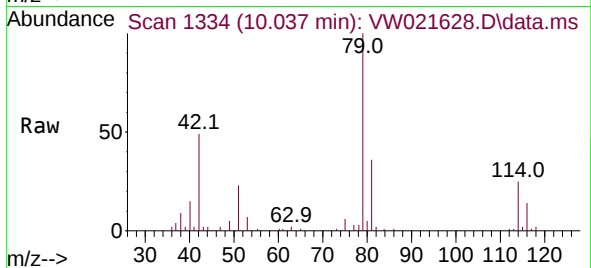
ClientSampleId :

Tgt Ion: 75 Resp: 1036

Ion Ratio Lower Upper

75 100

77 51.7 21.8 40.6#



#71

Naphthalene

Concen: 1.473 ug/L

RT: 15.365 min Scan# 2208

Delta R.T. 0.000 min

Lab File: VW021628.D

Acq: 23 Dec 2021 21:53

Tgt Ion:128 Resp: 5256

Ion Ratio Lower Upper

128 100

127 14.0 10.7 16.1

129 12.0 8.6 12.8

