

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW040521\  
 Data File : VW020924.D  
 Acq On : 05 Apr 2021 18:55  
 Operator : SY/MD  
 Sample : M1845-21  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW1C9

Quant Time: Apr 06 06:26:21 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 06 06:22:01 2021  
 Response via : Initial Calibration

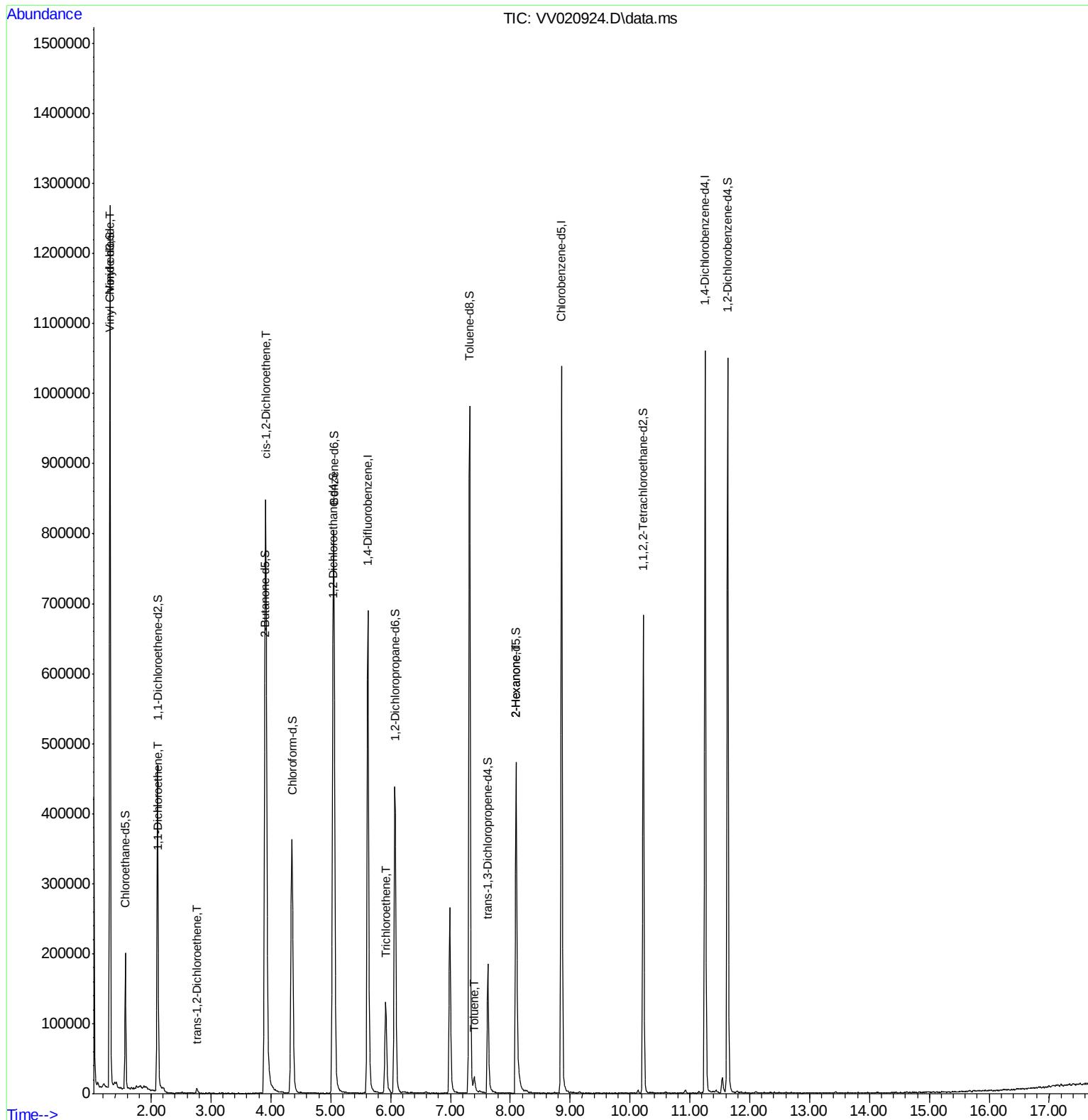
| Compound                      | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|---------|--------|----------|
| -----                         |                |      |            |         |        |          |
| Internal Standards            |                |      |            |         |        |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 603480     | 50.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.857          | 117  | 580323     | 50.00   | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255         | 152  | 287935     | 50.00   | ug/L   | 0.00     |
|                               |                |      |            |         |        |          |
| System Monitoring Compounds   |                |      |            |         |        |          |
| 4) Vinyl Chloride-d3          | 1.307          | 65   | 143571     | 33.51   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 67.02%  |        |          |
| 7) Chloroethane-d5            | 1.571          | 69   | 119028     | 36.75   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 73.50%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.108          | 63   | 229011     | 28.33   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 56.66%# |        |          |
| 21) 2-Butanone-d5             | 3.899          | 46   | 239081     | 85.77   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 85.77%  |        |          |
| 24) Chloroform-d              | 4.352          | 84   | 381823     | 44.84   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.68%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.037          | 65   | 262300     | 46.76   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 93.52%  |        |          |
| 32) Benzene-d6                | 5.053          | 84   | 686390     | 44.37   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 88.74%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.072          | 67   | 200182     | 42.15   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 84.30%  |        |          |
| 41) Toluene-d8                | 7.320          | 98   | 648647     | 45.05   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 90.10%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.622          | 79   | 110333     | 43.67   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 87.34%  |        |          |
| 47) 2-Hexanone-d5             | 8.095          | 63   | 175591     | 88.19   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 88.19%  |        |          |
| 57) 1,1,2,2-Tetrachloroeth... | 10.223         | 84   | 292011     | 42.21   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 84.42%  |        |          |
| 64) 1,2-Dichlorobenzene-d4    | 11.632         | 152  | 283019     | 50.65   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 101.30% |        |          |
|                               |                |      |            |         |        |          |
| Target Compounds              |                |      |            |         |        |          |
| 5) Vinyl chloride             | 1.314          | 62   | 628169     | 136.24  | ug/L   | 100      |
| 12) 1,1-Dichloroethene        | 2.118          | 96   | 14073      | 4.00    | ug/L # | 1        |
| 17) trans-1,2-Dichloroethene  | 2.767          | 96   | 2977       | 0.74    | ug/L   | 85       |
| 20) cis-1,2-Dichloroethene    | 3.915          | 96   | 431804     | 99.93   | ug/L   | 91       |
| 34) Trichloroethene           | 5.918          | 95   | 42909      | 9.78    | ug/L   | 97       |
| 42) Toluene                   | 7.400          | 91   | 15448      | 0.89    | ug/L   | 94       |
| 48) 2-Hexanone                | 8.095          | 43   | 19981      | 4.65    | ug/L # | 53       |
| -----                         |                |      |            |         |        |          |

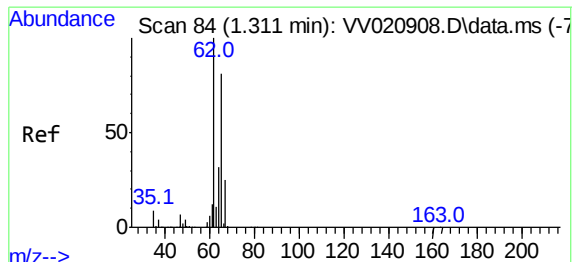
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV040521\  
Data File : VV020924.D  
Acq On : 05 Apr 2021 18:55  
Operator : SY/MD  
Sample : M1845-21  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
EW1C9

Quant Time: Apr 06 06:26:21 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 06 06:22:01 2021  
Response via : Initial Calibration

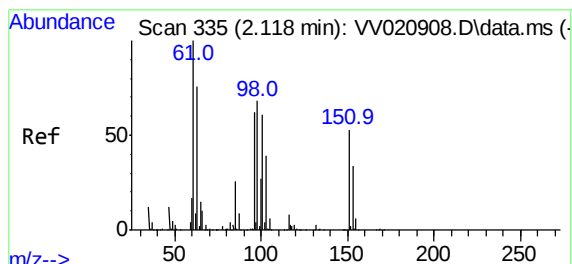
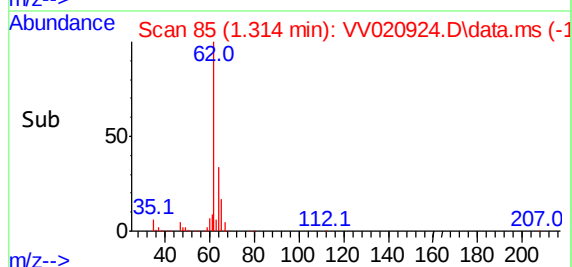
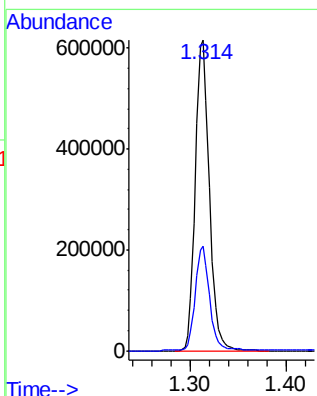
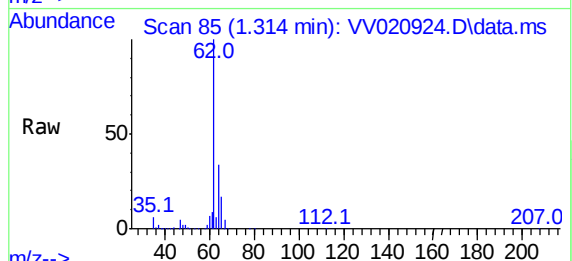




#5  
 Vinyl chloride  
 Concen: 136.24 ug/L  
 RT: 1.314 min Scan# 85  
 Delta R.T. 0.003 min  
 Lab File: VV020924.D  
 Acq: 05 Apr 2021 18:55

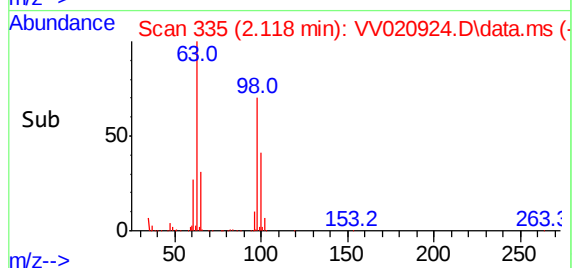
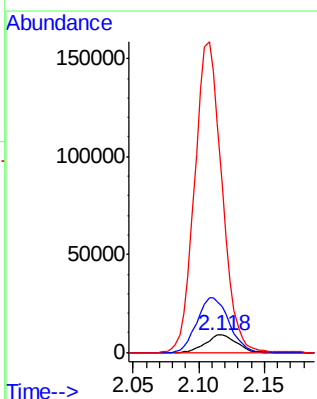
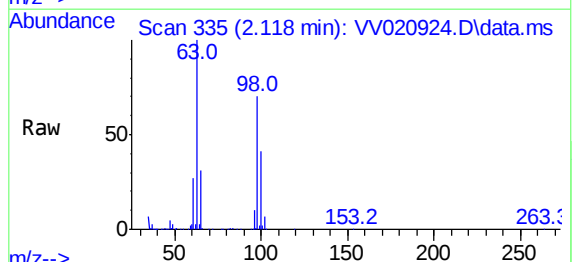
Instrument :  
 MSVOA\_V  
 ClientSampled :  
 EW1C9

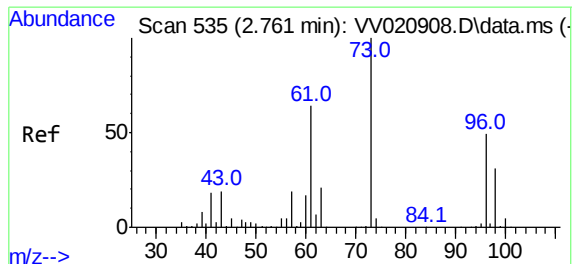
Tgt Ion: 62 Resp: 628169  
 Ion Ratio Lower Upper  
 62 100  
 64 33.5 23.3 43.3



#12  
 1,1-Dichloroethene  
 Concen: 4.00 ug/L  
 RT: 2.118 min Scan# 335  
 Delta R.T. -0.000 min  
 Lab File: VV020924.D  
 Acq: 05 Apr 2021 18:55

Tgt Ion: 96 Resp: 14073  
 Ion Ratio Lower Upper  
 96 100  
 61 262.0 126.3 234.6#  
 63 966.0 100.2 186.2#

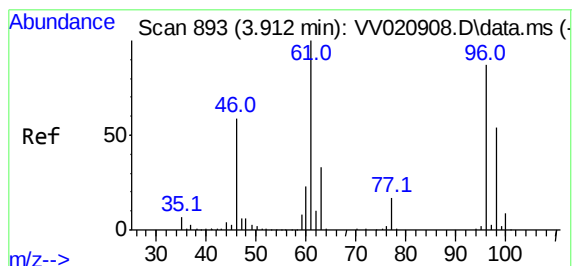
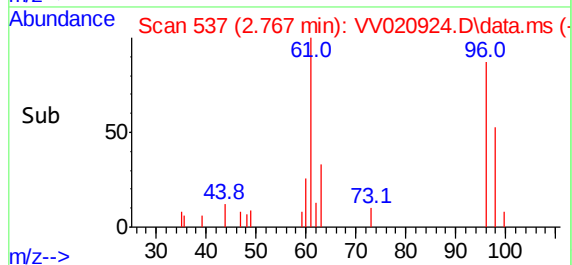
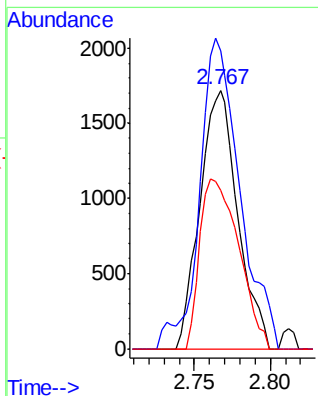
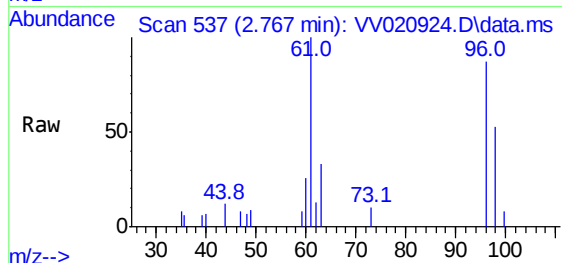




#17  
trans-1,2-Dichloroethene  
Concen: 0.74 ug/L  
RT: 2.767 min Scan# 537  
Delta R.T. 0.006 min  
Lab File: VV020924.D  
Acq: 05 Apr 2021 18:55

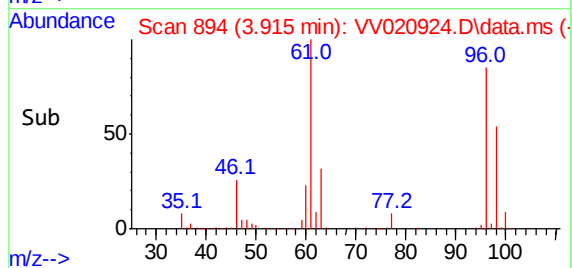
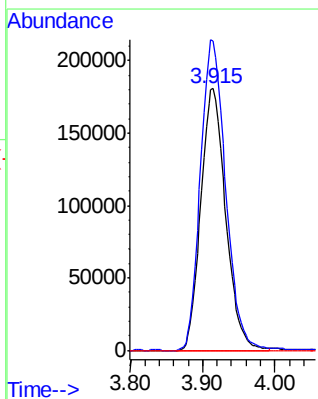
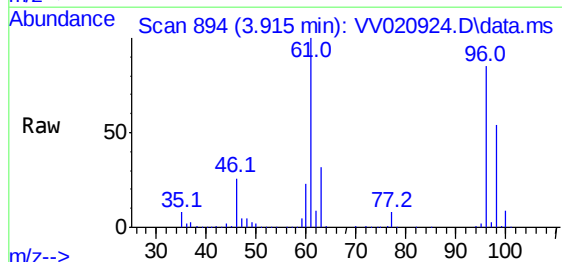
Instrument :  
MSVOA\_V  
ClientSampled :  
EW1C9

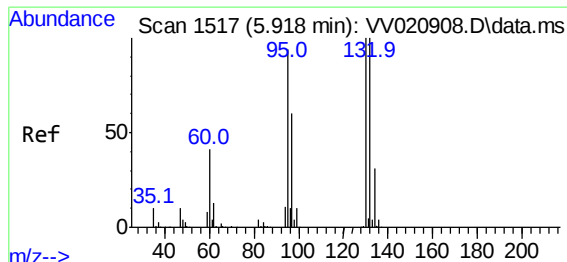
Tgt Ion: 96 Resp: 2977  
Ion Ratio Lower Upper  
96 100  
61 115.1 97.9 181.9  
98 61.3 43.9 81.5



#20  
cis-1,2-Dichloroethene  
Concen: 99.93 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.003 min  
Lab File: VV020924.D  
Acq: 05 Apr 2021 18:55

Tgt Ion: 96 Resp: 431804  
Ion Ratio Lower Upper  
96 100  
61 118.0 89.9 167.0  
68 0.0 0.0 0.0





#34

Trichloroethene

Concen: 9.78 ug/L

RT: 5.918 min Scan# 1517

Delta R.T. -0.000 min

Lab File: VV020924.D

Acq: 05 Apr 2021 18:55

Instrument :

MSVOA\_V

ClientSampleId :

EW1C9

Tgt Ion: 95 Resp: 42909

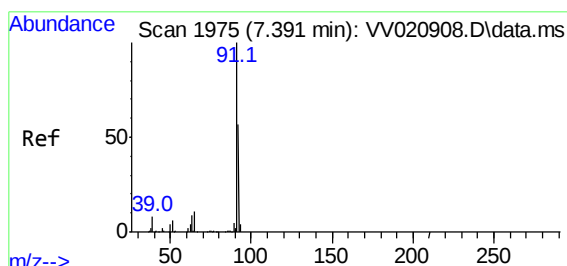
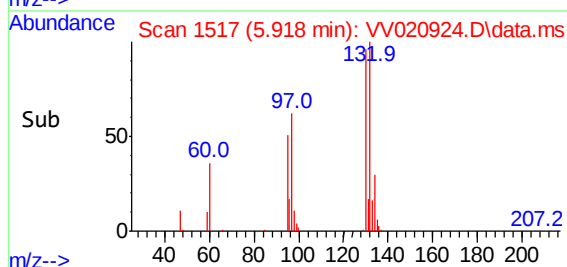
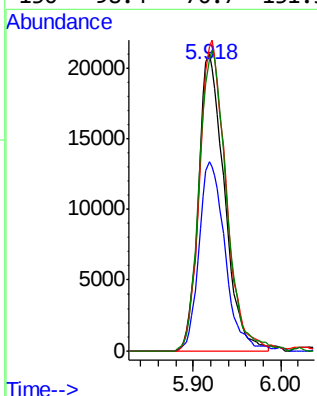
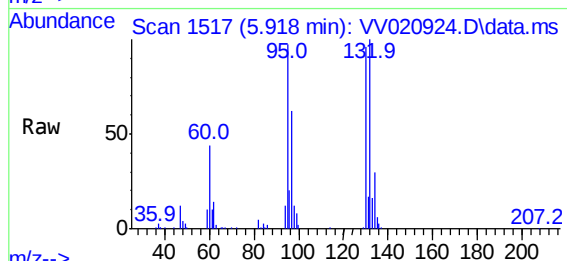
Ion Ratio Lower Upper

95 100

97 63.7 43.5 80.9

132 102.9 69.5 129.1

130 98.4 70.7 131.3



#42

Toluene

Concen: 0.89 ug/L

RT: 7.400 min Scan# 1978

Delta R.T. 0.010 min

Lab File: VV020924.D

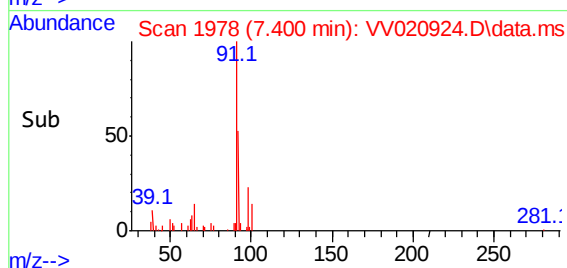
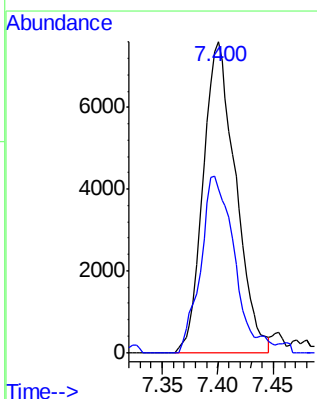
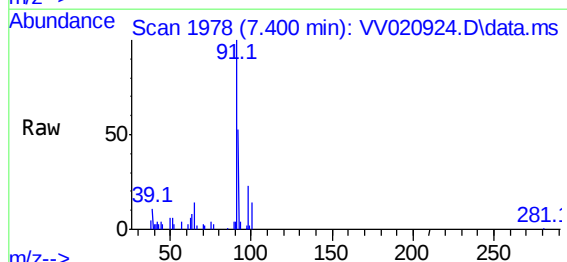
Acq: 05 Apr 2021 18:55

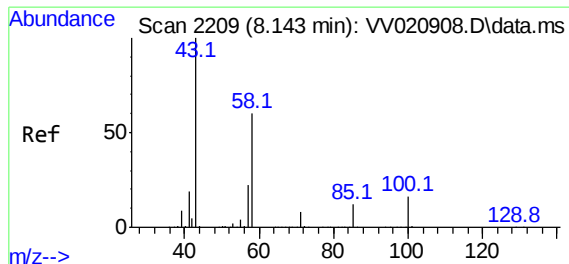
Tgt Ion: 91 Resp: 15448

Ion Ratio Lower Upper

91 100

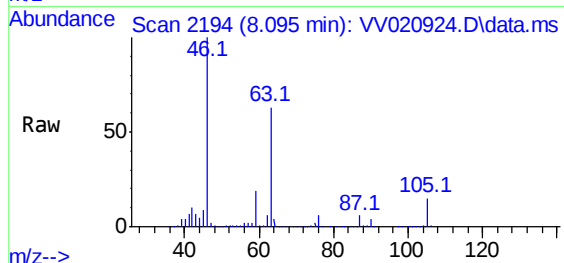
92 52.8 39.9 74.1





#48  
 2-Hexanone  
 Concen: 4.65 ug/L  
 RT: 8.095 min Scan# 2194  
 Delta R.T. -0.048 min  
 Lab File: VV020924.D  
 Acq: 05 Apr 2021 18:55

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 EW1C9



Tgt Ion: 43 Resp: 19981

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 13.8  | 45.8  | 68.8# |
| 57  | 29.9  | 15.4  | 23.2# |
| 100 | 1.4   | 10.2  | 15.4# |

