

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042722\  
 Data File : VW022640.D  
 Acq On : 27 Apr 2022 14:19  
 Operator : SY/VA  
 Sample : N2562-15  
 Misc : 5.69g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW476

Quant Time: Apr 28 01:12:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Apr 28 01:10:03 2022  
 Response via : Initial Calibration

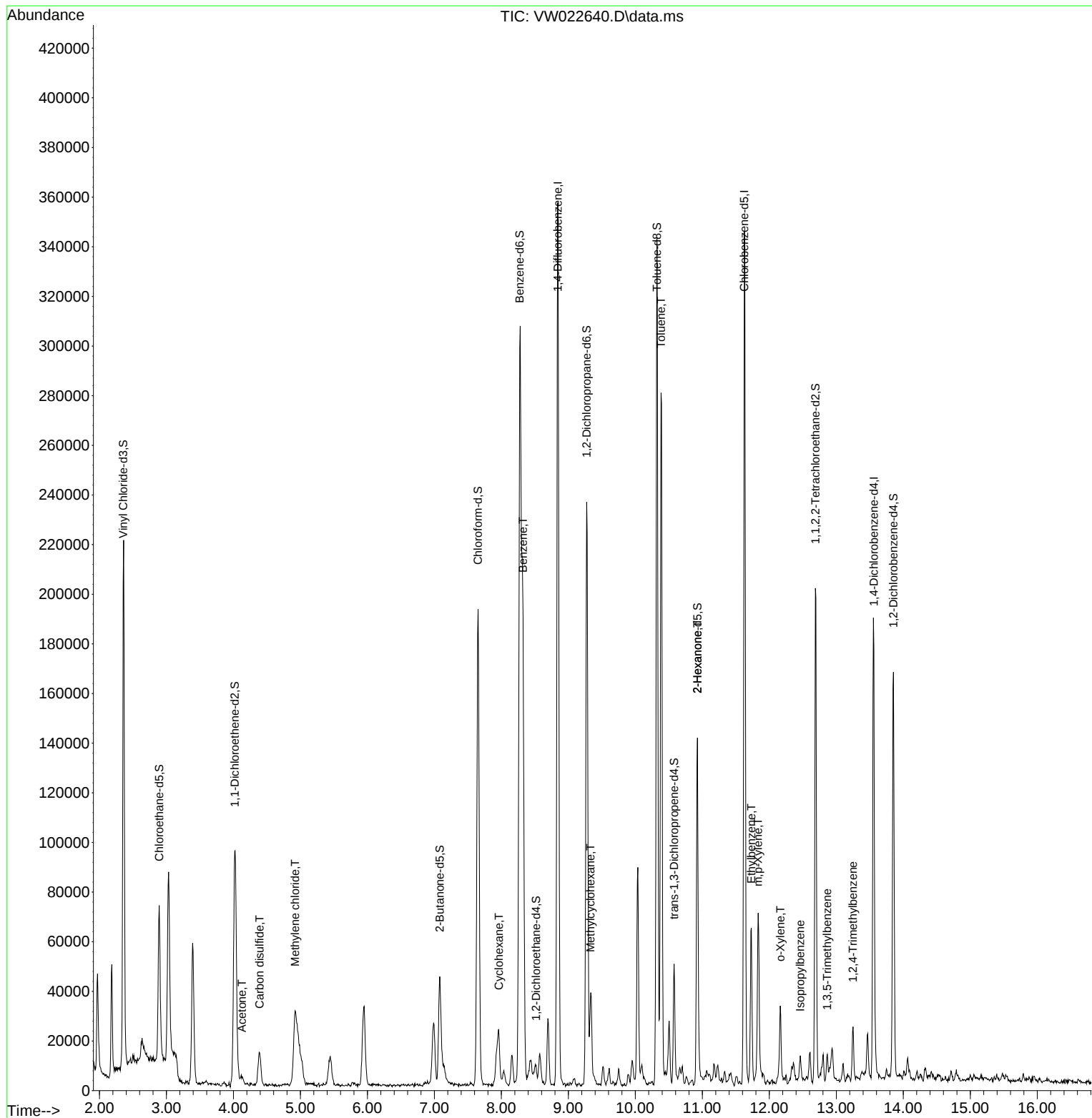
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 8.841  | 114   | 297344   | 25.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 11.628 | 117   | 184729   | 25.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 13.560 | 152   | 47552    | 25.000   | ug/L   | 0.00      |
|                               |        |       |          |          |        |           |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 2.355  | 65    | 87102    | 13.251   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 53.000%   |
| 7) Chloroethane-d5            | 2.891  | 69    | 71820    | 17.433   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 69.720%   |
| 11) 1,1-Dichloroethene-d2     | 4.019  | 63    | 93990    | 11.024   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 44.080%#  |
| 21) 2-Butanone-d5             | 7.080  | 46    | 70673    | 61.582   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 123.160%  |
| 24) Chloroform-d              | 7.653  | 84    | 189151   | 20.352   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 81.400%   |
| 26) 1,2-Dichloroethane-d4     | 8.518  | 65    | 164      | 0.031    | ug/L   | 0.21      |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 0.120%#   |
| 32) Benzene-d6                | 8.274  | 84    | 305587   | 27.076   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 108.320%  |
| 36) 1,2-Dichloropropane-d6    | 9.274  | 67    | 101535   | 31.087   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 124.360%# |
| 41) Toluene-d8                | 10.323 | 98    | 221478   | 20.037   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 80.160%   |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79    | 24805    | 16.092   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 64.360%   |
| 47) 2-Hexanone-d5             | 10.926 | 63    | 46239    | 76.093   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 152.180%# |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688 | 84    | 93787    | 33.771   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 135.080%# |
| 66) 1,2-Dichlorobenzene-d4    | 13.853 | 152   | 41266    | 24.500   | ug/L   | 0.00      |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 98.000%   |
|                               |        |       |          |          |        |           |
| Target Compounds              |        |       |          |          |        | Qvalue    |
| 13) Acetone                   | 4.129  | 43    | 2469     | 3.160    | ug/L   | 88        |
| 14) Carbon disulfide          | 4.391  | 76    | 29059    | 2.206    | ug/L   | 99        |
| 16) Methylene chloride        | 4.921  | 84    | 19784    | 4.422    | ug/L   | 89        |
| 29) Cyclohexane               | 7.964  | 56    | 11849    | 2.241    | ug/L   | 94        |
| 33) Benzene                   | 8.323  | 78    | 112042   | 8.933    | ug/L   | 100       |
| 35) Methylcyclohexane         | 9.329  | 83    | 15609    | 2.591    | ug/L   | 99        |
| 42) Toluene                   | 10.384 | 91    | 204216   | 14.210   | ug/L   | 97        |
| 48) 2-Hexanone                | 10.926 | 43    | 7498     | 5.796    | ug/L # | 61        |
| 52) Ethylbenzene              | 11.731 | 91    | 42482    | 2.637    | ug/L   | 95        |
| 53) m,p-Xylene                | 11.829 | 106   | 18744    | 3.060    | ug/L   | 88        |
| 54) o-Xylene                  | 12.164 | 106   | 8012     | 1.369    | ug/L   | 97        |
| 60) Isopropylbenzene          | 12.463 | 105   | 5207     | 0.659    | ug/L # | 91        |
| 62) 1,3,5-Trimethylbenzene    | 12.865 | 105   | 5496     | 1.265    | ug/L   | 91        |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105   | 10808    | 1.636    | ug/L   | 87        |
| -----                         |        |       |          |          |        |           |

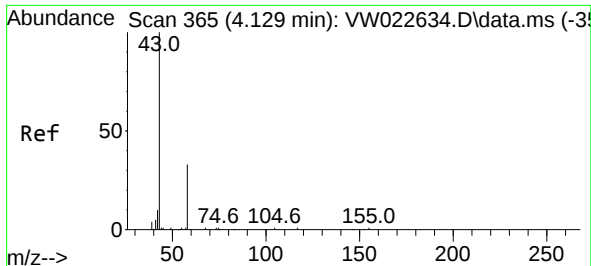
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW042722\  
Data File : VW022640.D  
Acq On : 27 Apr 2022 14:19  
Operator : SY/VA  
Sample : N2562-15  
Misc : 5.69g/10mL/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476

Quant Time: Apr 28 01:12:18 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM040722SMA.M  
Quant Title : SFAM01.0  
QLast Update : Thu Apr 28 01:10:03 2022  
Response via : Initial Calibration





#13

Acetone

Concen: 3.160 ug/L

RT: 4.129 min Scan# 3

Delta R.T. -0.000 min

Lab File: VW022640.D

Acq: 27 Apr 2022 14:19

Instrument :

MSVOA\_W

ClientSampleId :

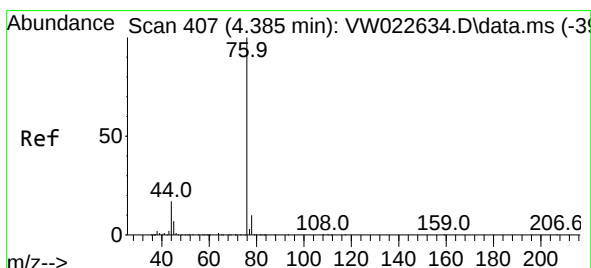
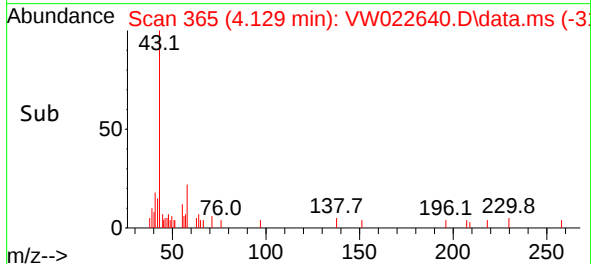
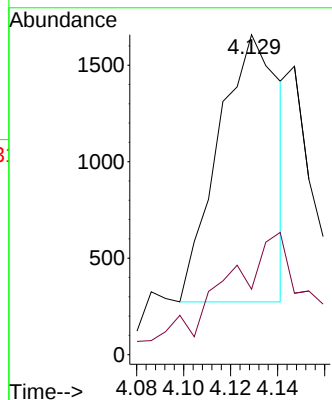
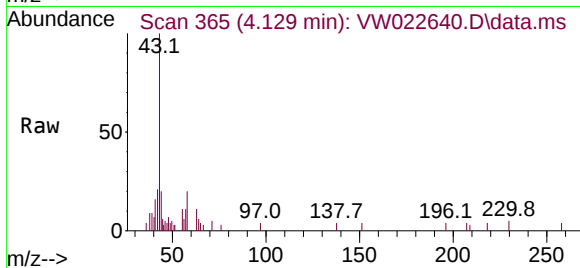
EW476

Tgt Ion: 43 Resp: 2469

Ion Ratio Lower Upper

43 100

58 22.4 0.0 57.0



#14

Carbon disulfide

Concen: 2.206 ug/L

RT: 4.391 min Scan# 408

Delta R.T. 0.006 min

Lab File: VW022640.D

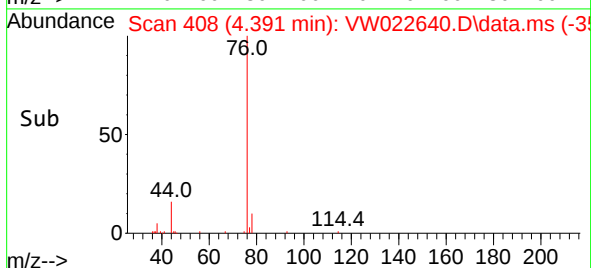
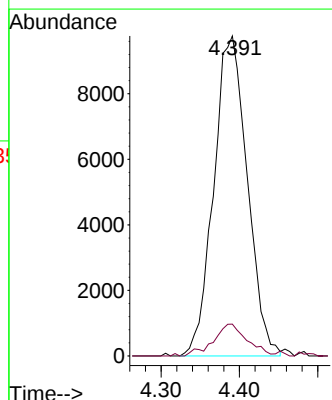
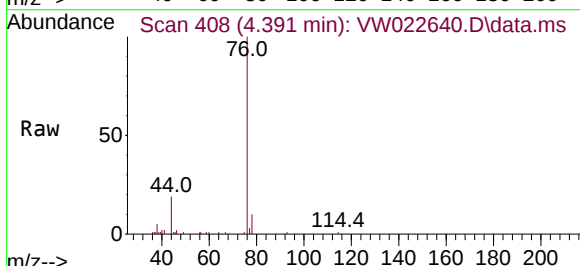
Acq: 27 Apr 2022 14:19

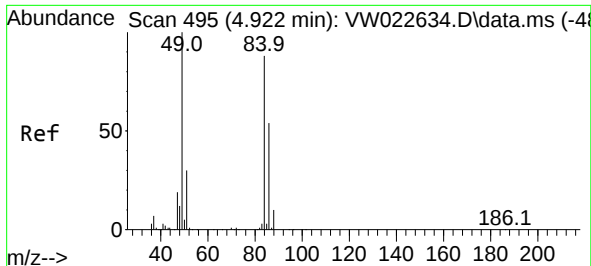
Tgt Ion: 76 Resp: 29059

Ion Ratio Lower Upper

76 100

78 10.0 7.6 11.4



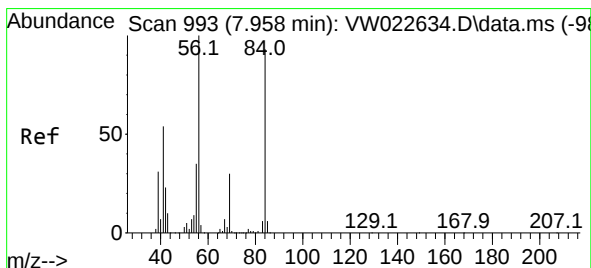
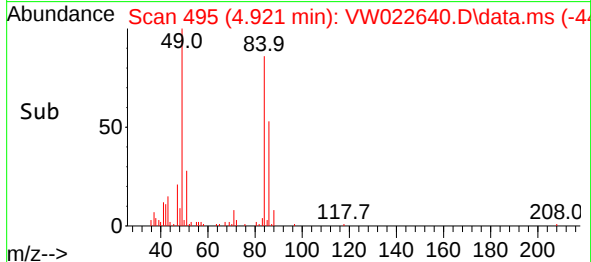
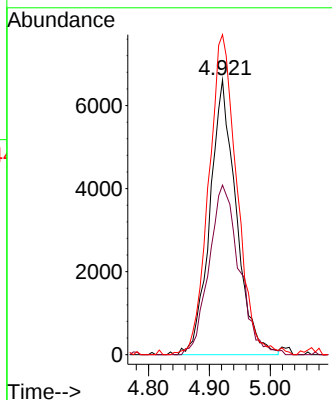
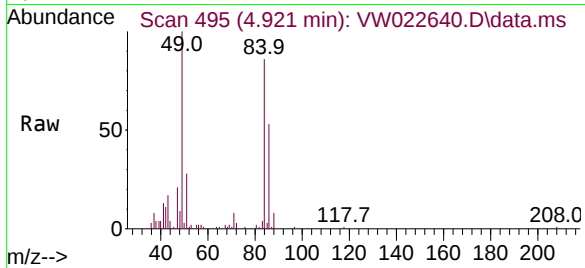


#16  
Methylene chloride  
Concen: 4.422 ug/L  
RT: 4.921 min Scan# 495  
Delta R.T. -0.000 min  
Lab File: VW022640.D  
Acq: 27 Apr 2022 14:19

Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476

Tgt Ion: 84 Resp: 19784

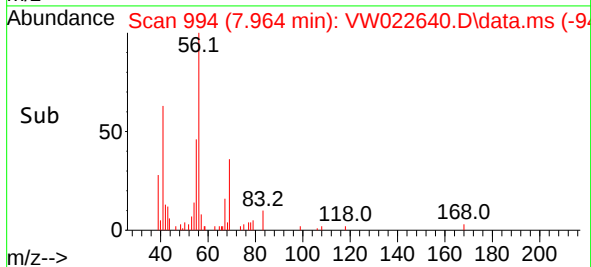
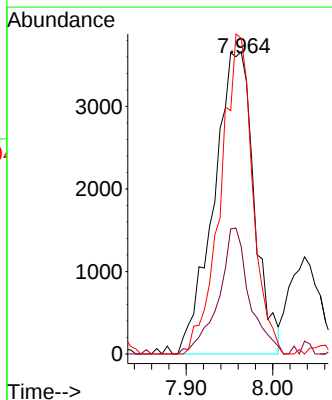
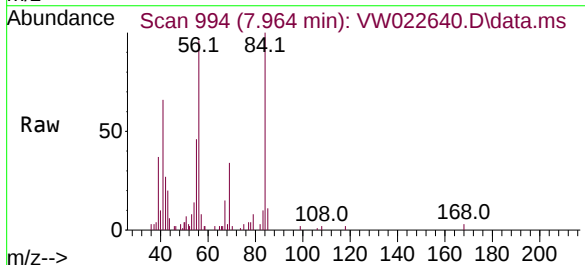
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 86  | 61.8  | 42.8  | 79.4  |
| 49  | 116.5 | 94.2  | 175.0 |

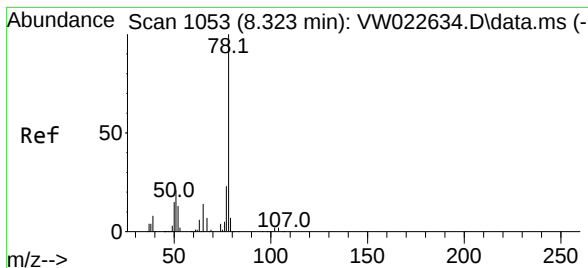


#29  
Cyclohexane  
Concen: 2.241 ug/L  
RT: 7.964 min Scan# 994  
Delta R.T. 0.006 min  
Lab File: VW022640.D  
Acq: 27 Apr 2022 14:19

Tgt Ion: 56 Resp: 11849

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 56  | 100   |       |       |
| 69  | 31.9  | 24.4  | 36.6  |
| 84  | 84.0  | 72.6  | 108.8 |





#33

Benzene

Concen: 8.933 ug/L

RT: 8.323 min Scan# 1053

Delta R.T. -0.000 min

Lab File: VW022640.D

Acq: 27 Apr 2022 14:19

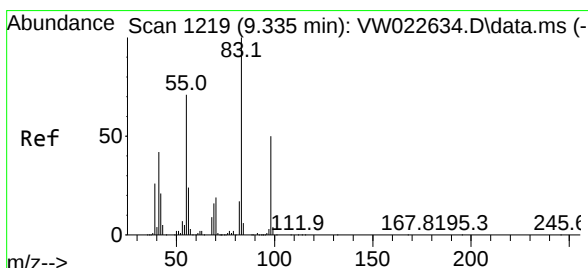
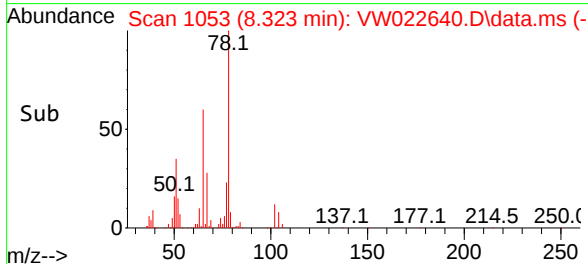
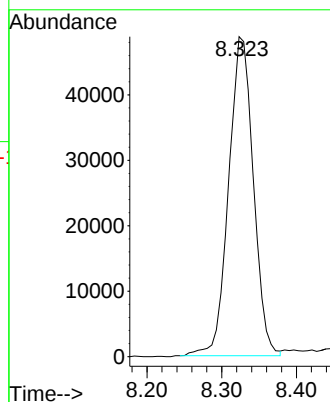
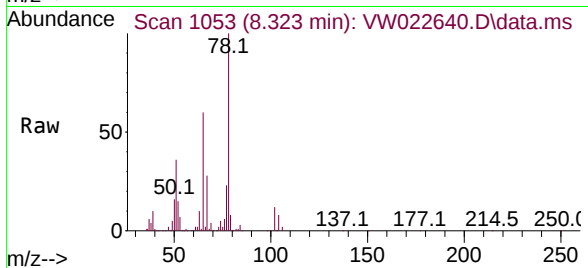
Instrument :

MSVOA\_W

ClientSampleId :

EW476

Tgt Ion: 78 Resp: 112042



#35

Methylcyclohexane

Concen: 2.591 ug/L

RT: 9.329 min Scan# 1218

Delta R.T. -0.006 min

Lab File: VW022640.D

Acq: 27 Apr 2022 14:19

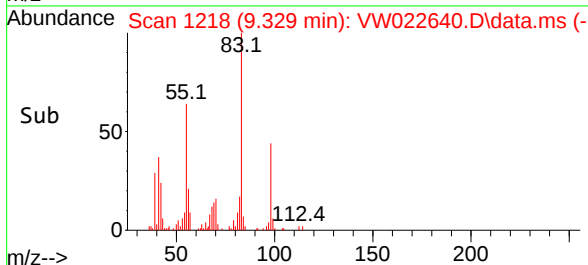
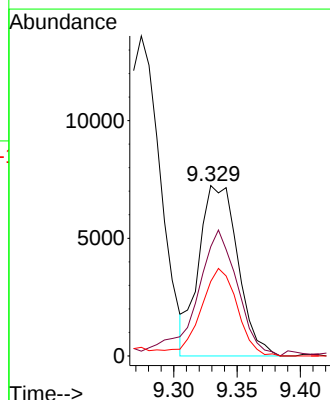
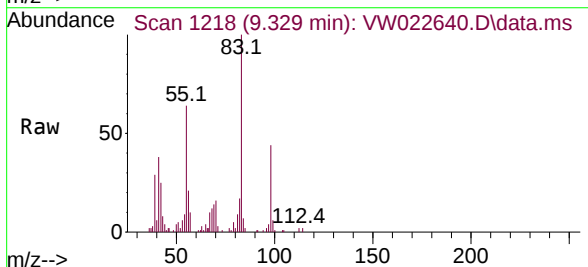
Tgt Ion: 83 Resp: 15609

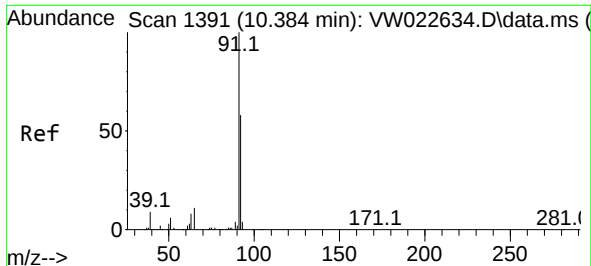
Ion Ratio Lower Upper

83 100

55 76.6 61.0 91.6

98 47.0 39.2 58.8

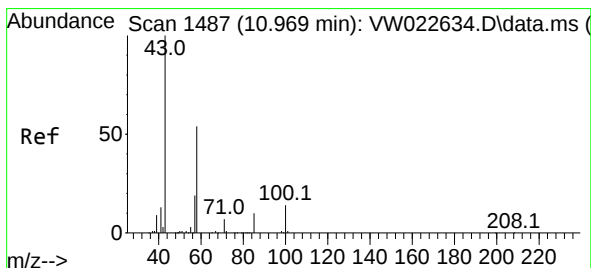
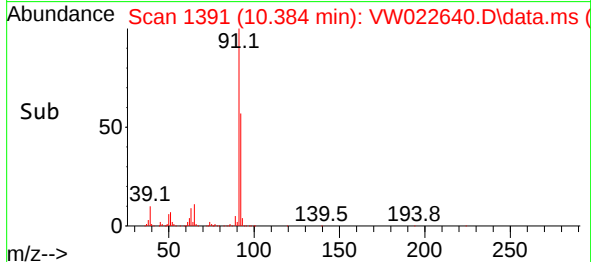
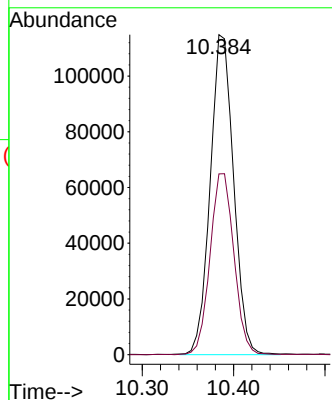
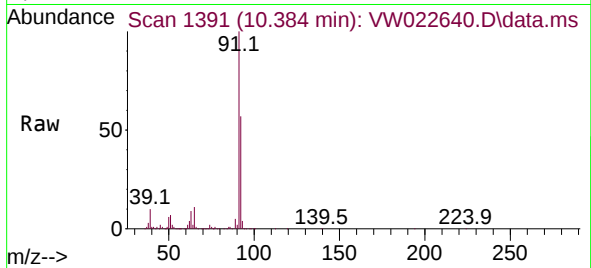




#42  
Toluene  
Concen: 14.210 ug/L  
RT: 10.384 min Scan# 1391  
Delta R.T. -0.000 min  
Lab File: VW022640.D  
Acq: 27 Apr 2022 14:19

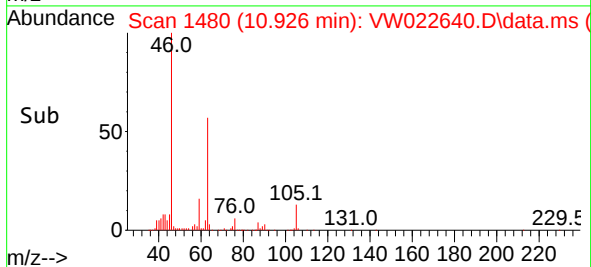
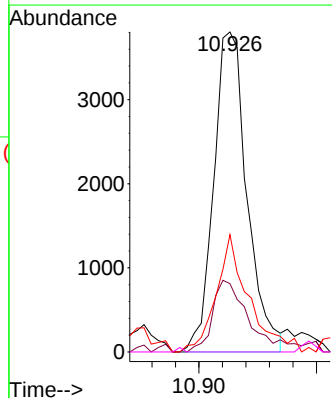
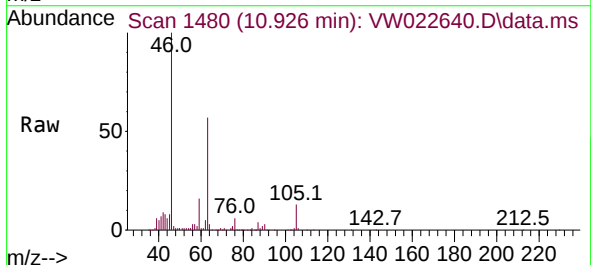
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476

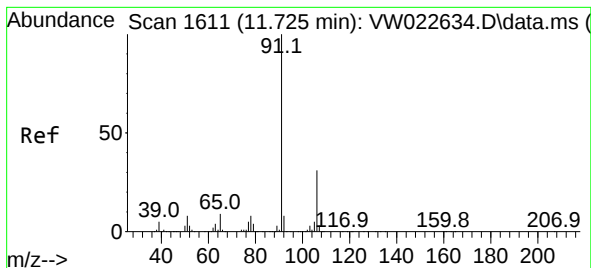
Tgt Ion: 91 Resp: 204216  
Ion Ratio Lower Upper  
91 100  
92 56.5 38.0 70.6



#48  
2-Hexanone  
Concen: 5.796 ug/L  
RT: 10.926 min Scan# 1480  
Delta R.T. -0.043 min  
Lab File: VW022640.D  
Acq: 27 Apr 2022 14:19

Tgt Ion: 43 Resp: 7498  
Ion Ratio Lower Upper  
43 100  
58 22.8 41.6 62.4#  
57 34.9 14.5 21.7#  
100 0.0 9.3 13.9#





#52

Ethylbenzene

Concen: 2.637 ug/L

RT: 11.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW022640.D

Acq: 27 Apr 2022 14:19

Instrument :

MSVOA\_W

ClientSampleId :

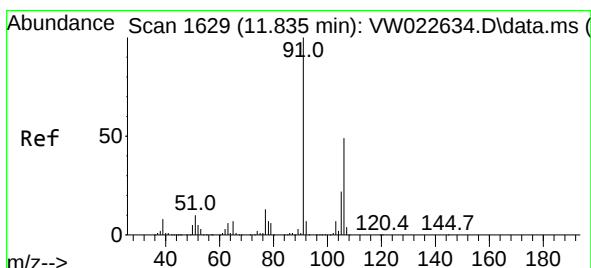
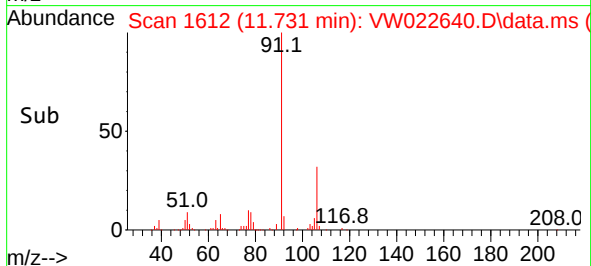
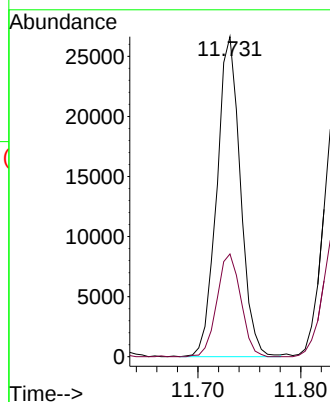
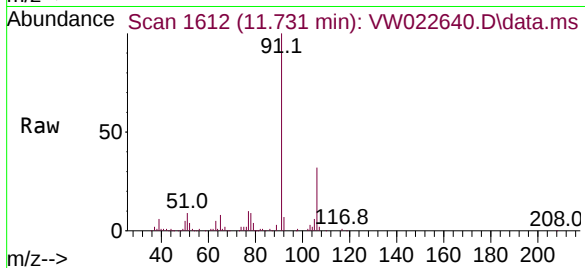
EW476

Tgt Ion: 91 Resp: 42482

Ion Ratio Lower Upper

91 100

106 32.1 20.5 38.1



#53

m,p-Xylene

Concen: 3.060 ug/L

RT: 11.829 min Scan# 1628

Delta R.T. -0.006 min

Lab File: VW022640.D

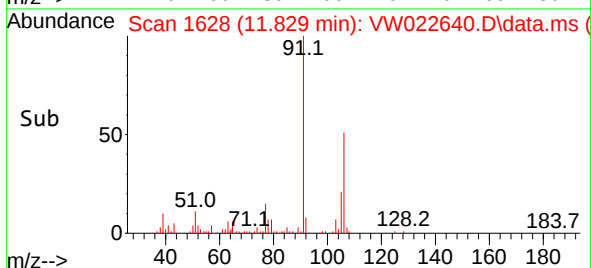
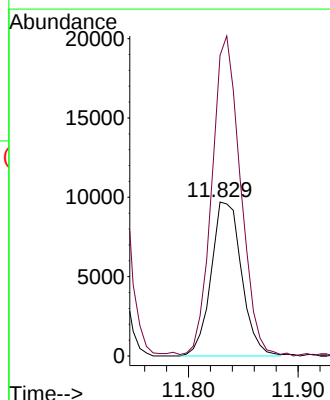
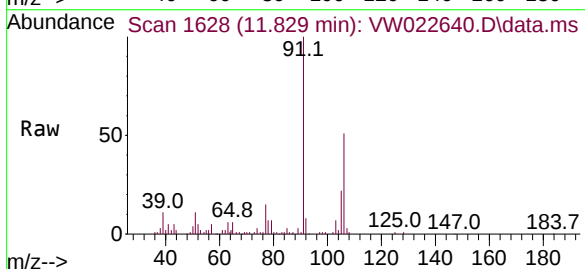
Acq: 27 Apr 2022 14:19

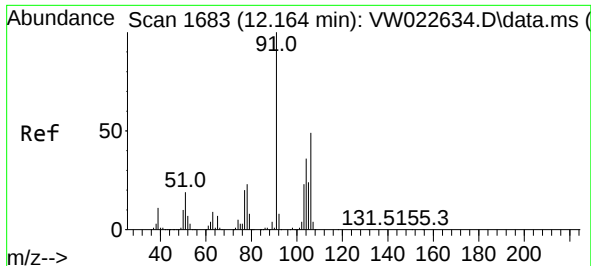
Tgt Ion:106 Resp: 18744

Ion Ratio Lower Upper

106 100

91 195.3 149.9 278.5

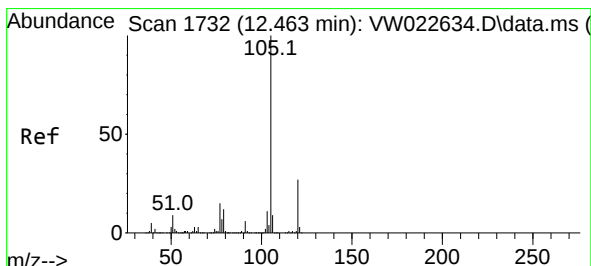
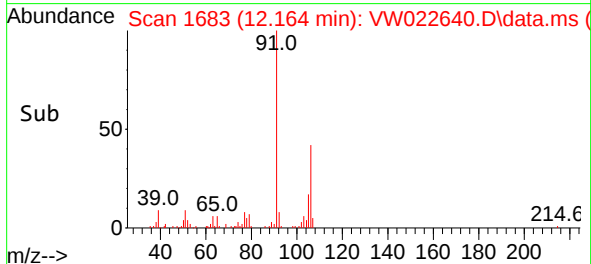
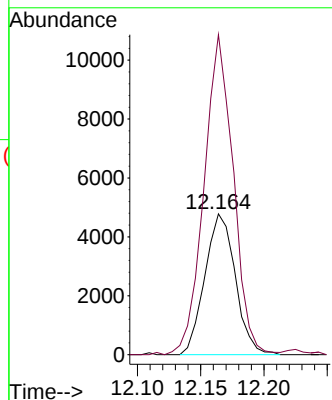
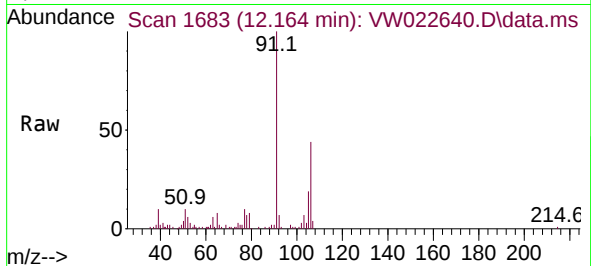




#54  
o-Xylene  
Concen: 1.369 ug/L  
RT: 12.164 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VW022640.D  
Acq: 27 Apr 2022 14:19

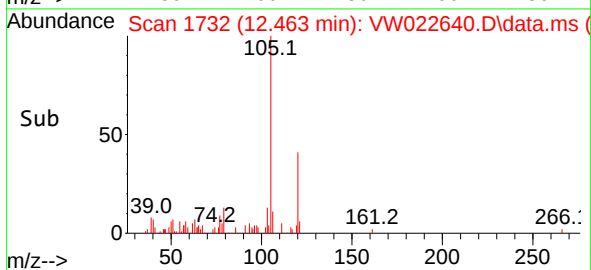
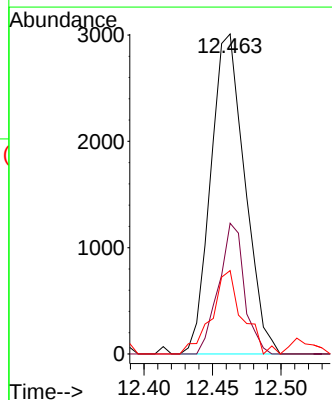
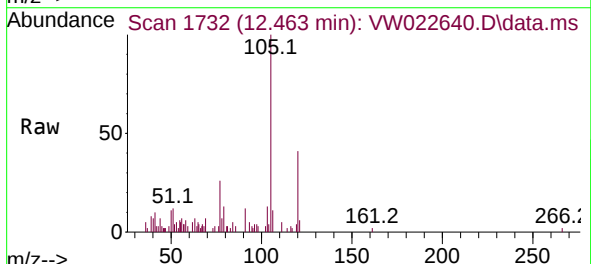
Instrument :  
MSVOA\_W  
ClientSampleId :  
EW476

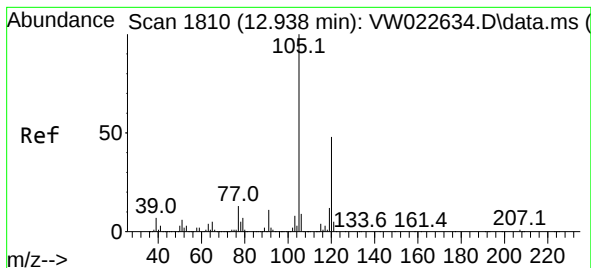
Tgt Ion:106 Resp: 8012  
Ion Ratio Lower Upper  
106 100  
91 227.3 155.3 288.3



#60  
Isopropylbenzene  
Concen: 0.659 ug/L  
RT: 12.463 min Scan# 1732  
Delta R.T. -0.000 min  
Lab File: VW022640.D  
Acq: 27 Apr 2022 14:19

Tgt Ion:105 Resp: 5207  
Ion Ratio Lower Upper  
105 100  
120 30.7 20.9 31.3  
77 20.9 13.7 20.5#

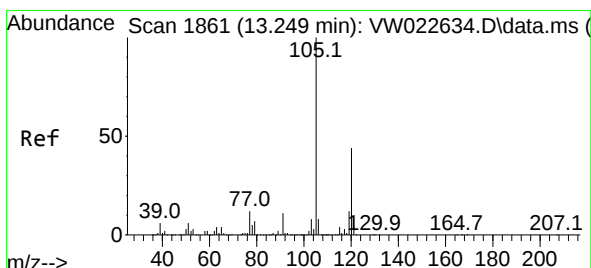
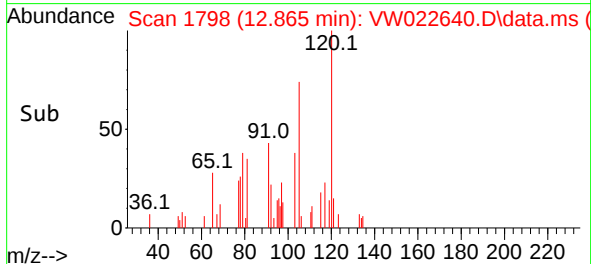
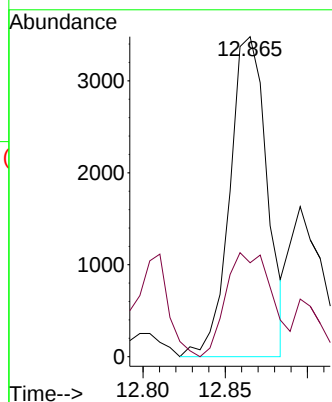
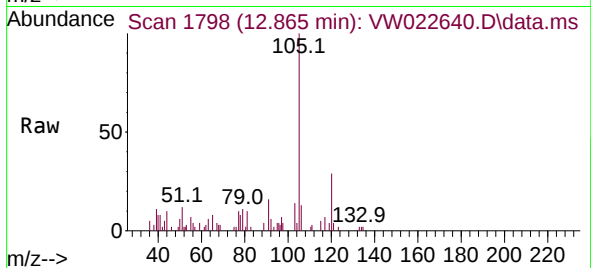




#62  
 1,3,5-Trimethylbenzene  
 Concen: 1.265 ug/L  
 RT: 12.865 min Scan# 1  
 Delta R.T. -0.073 min  
 Lab File: VW022640.D  
 Acq: 27 Apr 2022 14:19

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 EW476

Tgt Ion:105 Resp: 5496  
 Ion Ratio Lower Upper  
 105 100  
 120 40.6 37.5 56.3



#63  
 1,2,4-Trimethylbenzene  
 Concen: 1.636 ug/L  
 RT: 13.249 min Scan# 1861  
 Delta R.T. -0.000 min  
 Lab File: VW022640.D  
 Acq: 27 Apr 2022 14:19

Tgt Ion:105 Resp: 10808  
 Ion Ratio Lower Upper  
 105 100  
 120 51.0 34.2 51.2

