

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU051322\  
 Data File : VU048564.D  
 Acq On : 13 May 2022 15:44  
 Operator : SY/MD  
 Sample : N2766-12ME  
 Misc : 6.79g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

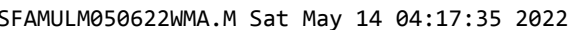
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW4G2ME

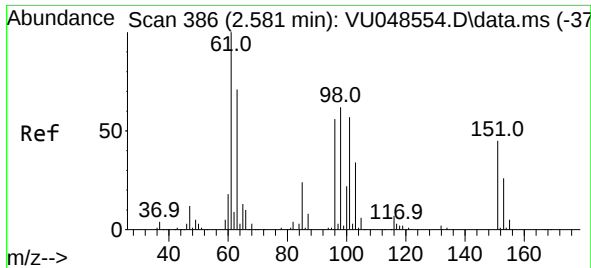
Quant Time: May 14 04:17:25 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM050622WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Sat May 14 04:14:40 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|---------|-------|----------|----------|--------|-----------|
| -----                         |         |       |          |          |        |           |
| Internal Standards            |         |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 6.247   | 114   | 175034   | 50.000   | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 9.420   | 117   | 185595   | 50.000   | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.816  | 152   | 104892   | 50.000   | ug/L   | 0.00      |
|                               |         |       |          |          |        |           |
| System Monitoring Compounds   |         |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.594   | 65    | 85394    | 56.649   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 113.300%  |
| 7) Chloroethane-d5            | 1.880   | 69    | 57787    | 58.738   | ug/L   | -0.03     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 117.480%  |
| 11) 1,1-Dichloroethene-d2     | 2.536   | 63    | 199649   | 74.418   | ug/L   | -0.04     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 148.840%# |
| 21) 2-Butanone-d5             | 4.633   | 46    | 295198   | 229.944  | ug/L   | 0.01      |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 229.940%# |
| 24) Chloroform-d              | 5.060   | 84    | 325336   | 124.255  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 248.520%# |
| 26) 1,2-Dichloroethane-d4     | 5.700   | 65    | 233703   | 137.311  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 274.620%# |
| 32) Benzene-d6                | 5.723   | 84    | 598706   | 106.156  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 212.320%# |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 188882   | 102.701  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 205.400%# |
| 41) Toluene-d8                | 7.899   | 98    | 553680   | 111.003  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 222.000%# |
| 43) trans-1,3-Dichloroprop... | 8.182   | 79    | 107012   | 126.418  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 252.840%# |
| 47) 2-Hexanone-d5             | 8.655   | 63    | 237996   | 267.363  | ug/L   | 0.02      |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 267.360%# |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764  | 84    | 331992   | 118.508  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 237.020%# |
| 66) 1,2-Dichlorobenzene-d4    | 12.198  | 152   | 259824   | 125.094  | ug/L   | 0.00      |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 250.180%# |
|                               |         |       |          |          |        |           |
| Target Compounds              |         |       |          |          |        |           |
|                               |         |       |          |          | Qvalue |           |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.530   | 101   | 1814     | 1.398    | ug/L # | 19        |
| 12) 1,1-Dichloroethene        | 2.539   | 96    | 1638     | 1.336    | ug/L # | 1         |
| 14) Carbon disulfide          | 2.761   | 76    | 2551     | 0.671    | ug/L   | 99        |
| 22) 2-Butanone                | 4.713   | 43    | 8141     | 5.627    | ug/L   | 99        |
| 35) Methylcyclohexane         | 6.690   | 83    | 49136    | 19.606   | ug/L # | 18        |
| 37) 1,2-Dichloropropane       | 6.690   | 63    | 22910    | 12.845   | ug/L # | 88        |
| 39) cis-1,3-Dichloropropene   | 7.565   | 75    | 6381     | 2.515    | ug/L # | 75        |
| 44) trans-1,3-Dichloropropene | 8.182   | 75    | 4536     | 1.840    | ug/L # | 81        |
| 48) 2-Hexanone                | 8.658   | 43    | 28959    | 12.194   | ug/L # | 71        |
| 60) 1,2,3-Trichloropropane    | 11.819  | 75    | 10821    | 3.952    | ug/L # | 65        |
| -----                         |         |       |          |          |        |           |

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

Quant Time: May 14 04:17:25 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM050622WMA.M  
Quant Title : VOC Analysis  
QLast Update : Sat May 14 04:14:40 2022  
Response via : Initial Calibration

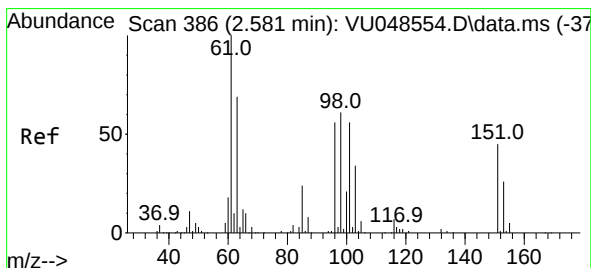
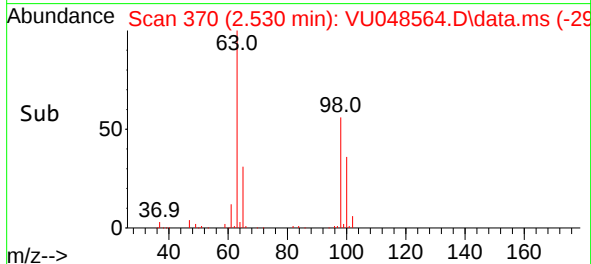
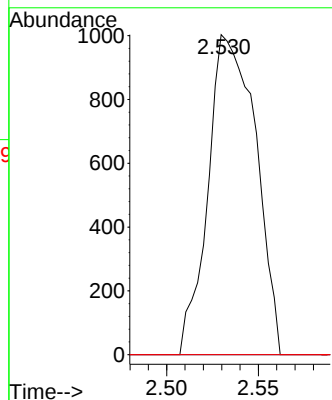
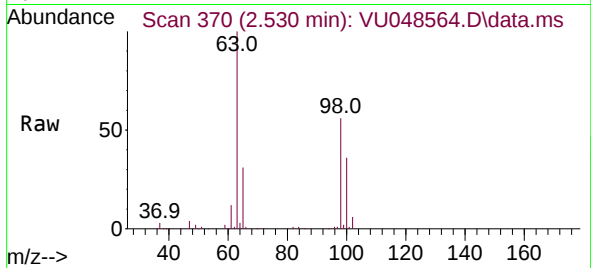




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.398 ug/L  
 RT: 2.530 min Scan# 31  
 Delta R.T. -0.051 min  
 Lab File: VU048564.D  
 Acq: 13 May 2022 15:44

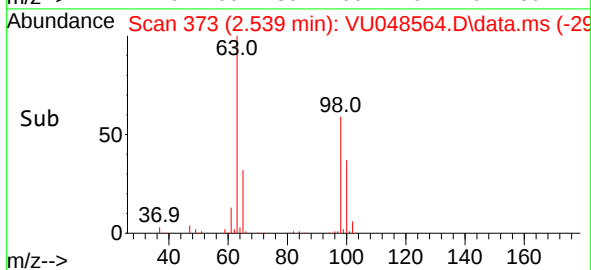
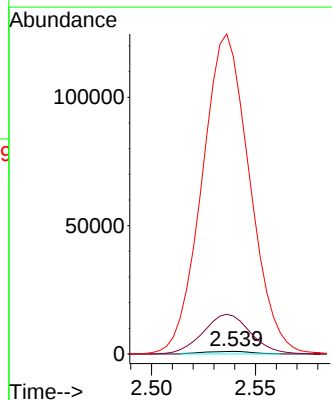
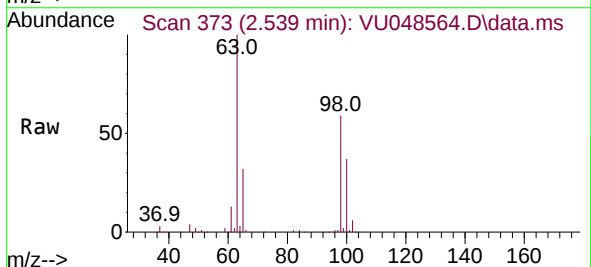
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EW4G2ME

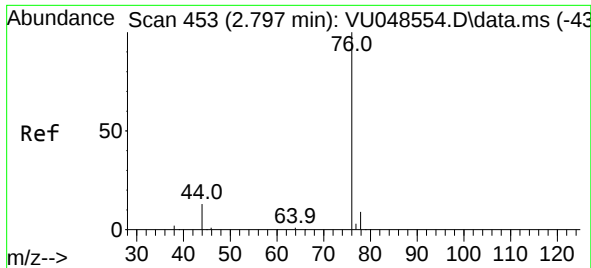
Tgt Ion:101 Resp: 1814  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.8 52.2#  
 151 0.0 60.7 91.1#



#12  
 1,1-Dichloroethene  
 Concen: 1.336 ug/L  
 RT: 2.539 min Scan# 373  
 Delta R.T. -0.042 min  
 Lab File: VU048564.D  
 Acq: 13 May 2022 15:44

Tgt Ion: 96 Resp: 1638  
 Ion Ratio Lower Upper  
 96 100  
 61 1459.7 124.5 231.3#  
 63 11440.9 92.5 171.9#

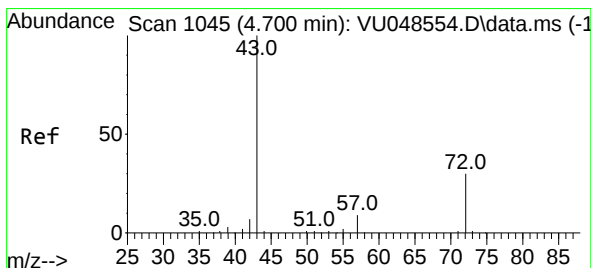
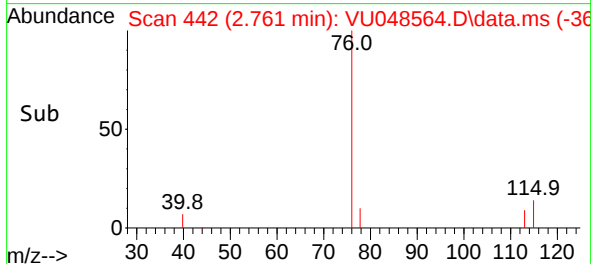
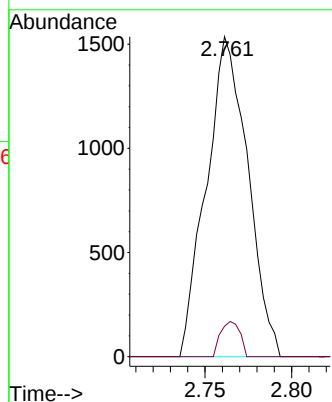
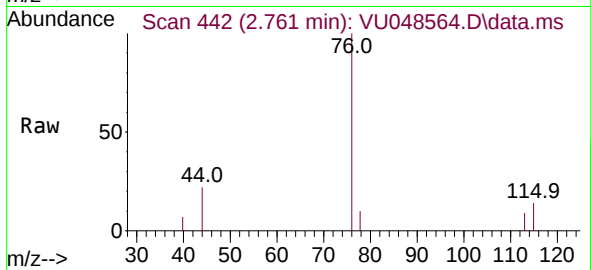




#14  
Carbon disulfide  
Concen: 0.671 ug/L  
RT: 2.761 min Scan# 44  
Delta R.T. -0.035 min  
Lab File: VU048564.D  
Acq: 13 May 2022 15:44

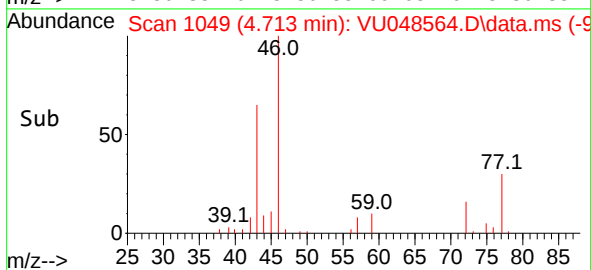
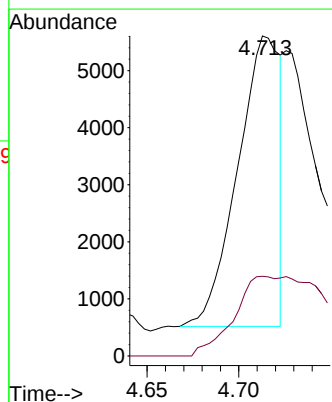
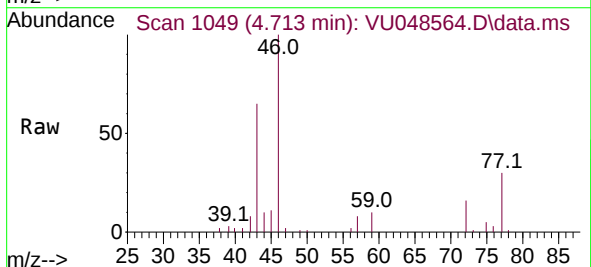
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW4G2ME

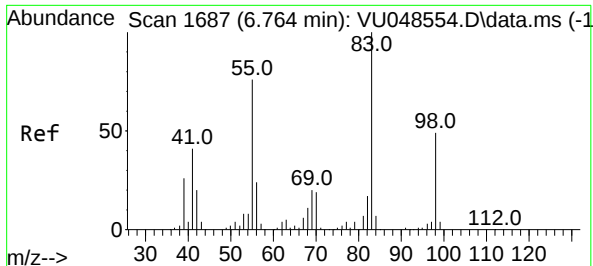
Tgt Ion: 76 Resp: 2551  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.3 10.9



#22  
2-Butanone  
Concen: 5.627 ug/L  
RT: 4.713 min Scan# 1049  
Delta R.T. 0.013 min  
Lab File: VU048564.D  
Acq: 13 May 2022 15:44

Tgt Ion: 43 Resp: 8141  
Ion Ratio Lower Upper  
43 100  
72 26.3 13.3 39.9

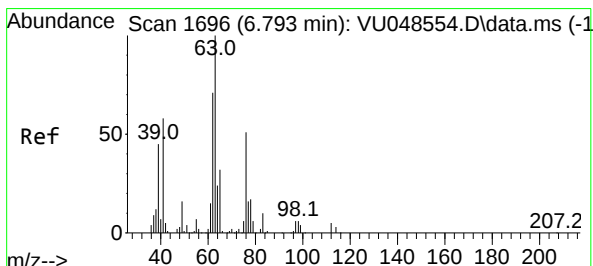
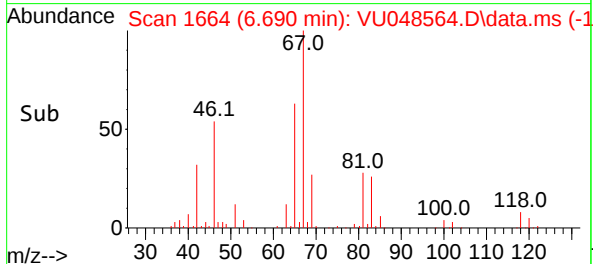
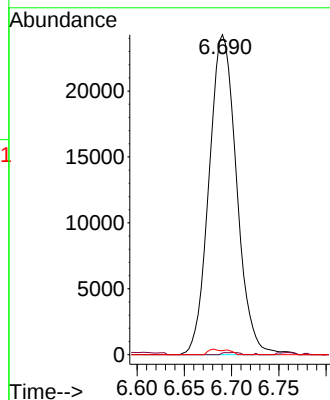
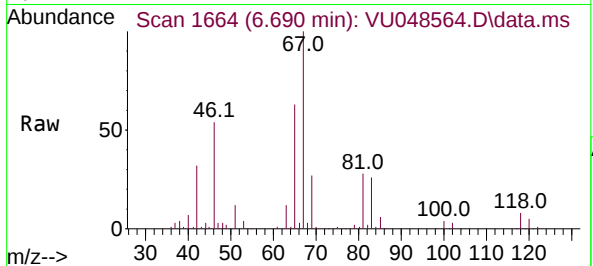




#35  
Methylcyclohexane  
Concen: 19.606 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.074 min  
Lab File: VU048564.D  
Acq: 13 May 2022 15:44

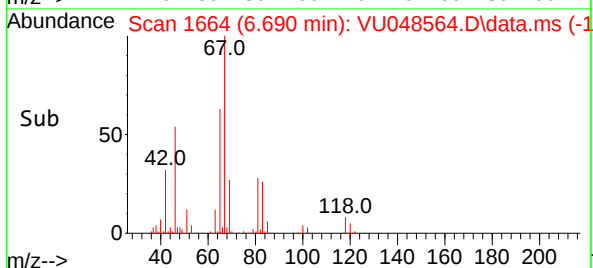
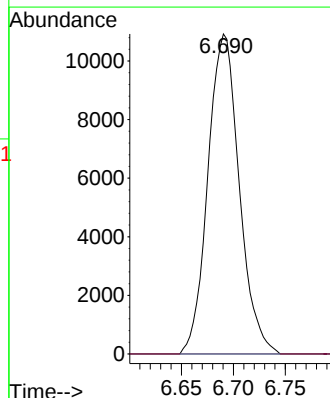
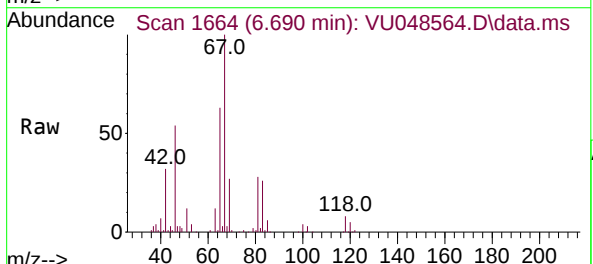
Instrument :  
MSVOA\_U  
ClientSampleId :  
EW4G2ME

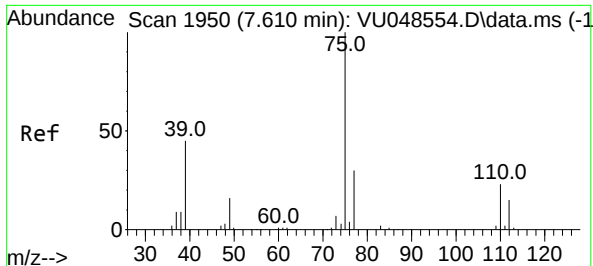
Tgt Ion: 83 Resp: 49136  
Ion Ratio Lower Upper  
83 100  
55 0.2 63.4 95.2#  
98 0.6 35.9 53.9#



#37  
1,2-Dichloropropane  
Concen: 12.845 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.103 min  
Lab File: VU048564.D  
Acq: 13 May 2022 15:44

Tgt Ion: 63 Resp: 22910  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#





#39

cis-1,3-Dichloropropene

Concen: 2.515 ug/L

RT: 7.565 min Scan# 11

Delta R.T. -0.045 min

Lab File: VU048564.D

Acq: 13 May 2022 15:44

Instrument :

MSVOA\_U

ClientSampleId :

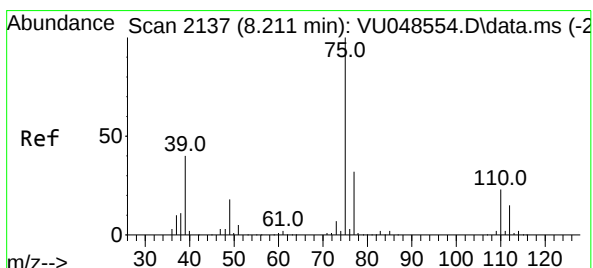
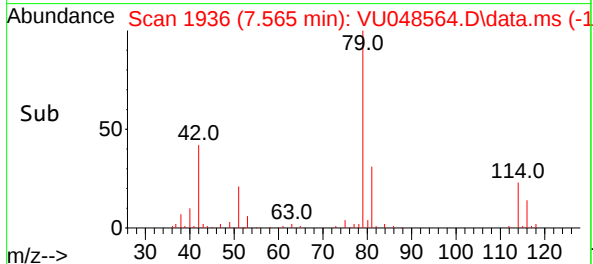
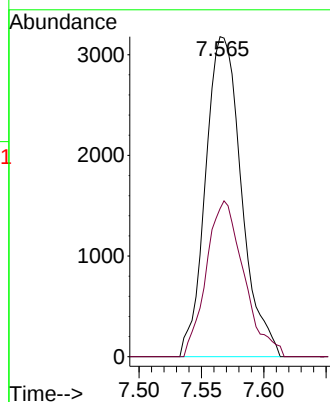
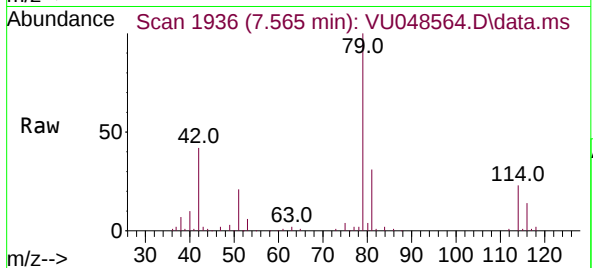
EW4G2ME

Tgt Ion: 75 Resp: 6381

Ion Ratio Lower Upper

75 100

77 46.2 22.5 41.9#



#44

trans-1,3-Dichloropropene

Concen: 1.840 ug/L

RT: 8.182 min Scan# 2128

Delta R.T. -0.029 min

Lab File: VU048564.D

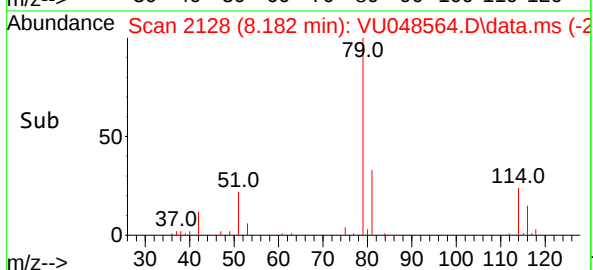
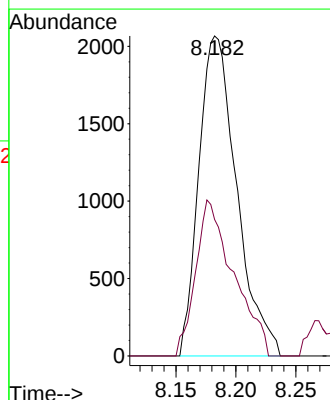
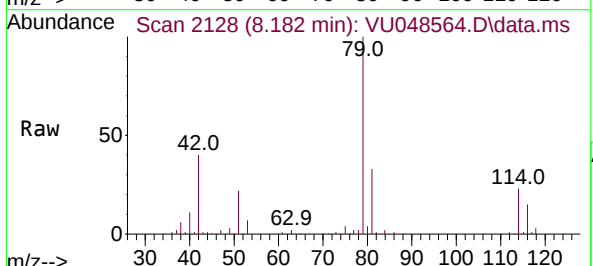
Acq: 13 May 2022 15:44

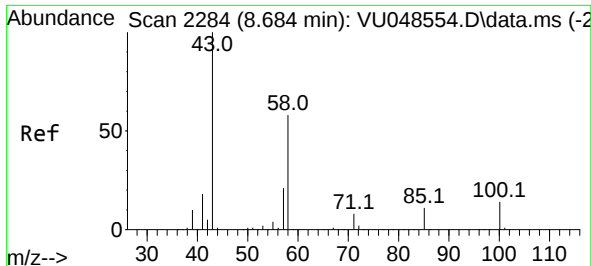
Tgt Ion: 75 Resp: 4536

Ion Ratio Lower Upper

75 100

77 42.7 22.6 42.0#





#48

2-Hexanone

Concen: 12.194 ug/L

RT: 8.658 min Scan# 21

Delta R.T. -0.026 min

Lab File: VU048564.D

Acq: 13 May 2022 15:44

Instrument :

MSVOA\_U

ClientSampleId :

EW4G2ME

Tgt Ion: 43 Resp: 28959

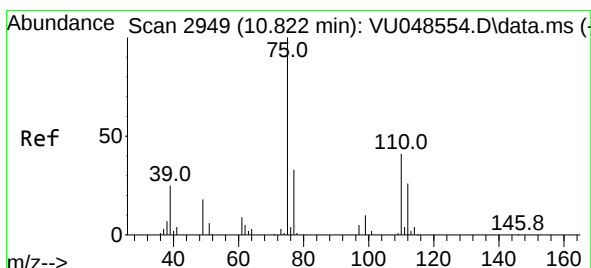
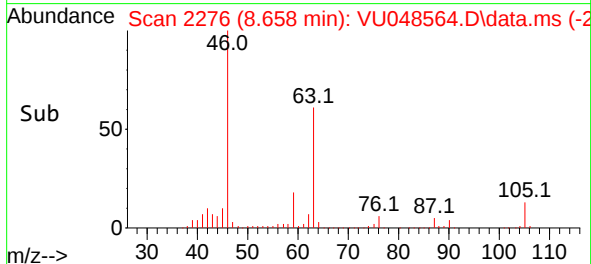
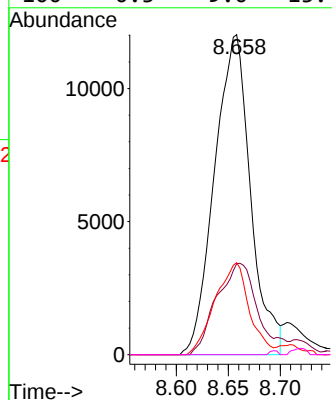
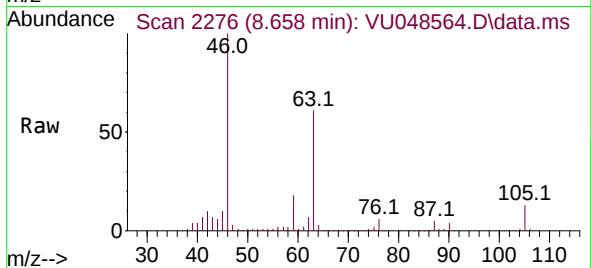
Ion Ratio Lower Upper

43 100

58 31.1 44.3 66.5#

57 27.4 15.7 23.5#

100 0.3 9.0 13.4#



#60

1,2,3-Trichloropropane

Concen: 3.952 ug/L

RT: 11.819 min Scan# 3259

Delta R.T. 0.997 min

Lab File: VU048564.D

Acq: 13 May 2022 15:44

Tgt Ion: 75 Resp: 10821

Ion Ratio Lower Upper

75 100

77 39.3 25.5 38.3#

110 4.1 28.9 43.3#

