

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU011722\  
 Data File : VU046767.D  
 Acq On : 17 Jan 2022 15:46  
 Operator : SY/MD  
 Sample : N1155-01MEDL 20X  
 Misc : 5.79g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Jan 18 02:17:58 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM010522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jan 18 02:15:56 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 205812   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 201137   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 110298   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600   | 65    | 59850    | 33.325   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 66.640%  |
| 7) Chloroethane-d5            | 1.919   | 69    | 46967    | 35.203   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 70.400%  |
| 11) 1,1-Dichloroethene-d2     | 2.568   | 63    | 77641    | 25.418   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 50.840%# |
| 21) 2-Butanone-d5             | 4.636   | 46    | 103283   | 78.575   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 78.570%  |
| 24) Chloroform-d              | 5.066   | 84    | 110532   | 34.912   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 69.820%# |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 74233    | 36.970   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 73.940%  |
| 32) Benzene-d6                | 5.729   | 84    | 231938   | 36.950   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 73.900%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 69964    | 36.530   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 73.060%  |
| 41) Toluene-d8                | 7.899   | 98    | 211746   | 37.734   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 75.460%# |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 34946    | 37.874   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 75.740%  |
| 47) 2-Hexanone-d5             | 8.635   | 63    | 88073    | 86.561   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 86.560%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 114927   | 38.745   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 77.500%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 93472    | 40.955   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 81.900%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.568   | 101   | 646      | 0.446    | ug/L # | 20       |
| 12) 1,1-Dichloroethene        | 2.568   | 96    | 650      | 0.477    | ug/L # | 1        |
| 13) Acetone                   | 2.655   | 43    | 3360     | 2.686    | ug/L   | 60       |
| 22) 2-Butanone                | 4.722   | 43    | 3067     | 2.151    | ug/L # | 69       |
| 33) Benzene                   | 5.774   | 78    | 3625     | 0.606    | ug/L   | 100      |
| 37) 1,2-Dichloropropane       | 6.690   | 63    | 7798     | 5.094    | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 7.568   | 75    | 2258     | 0.959    | ug/L # | 70       |
| 42) Toluene                   | 7.970   | 91    | 10253    | 1.625    | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 8.179   | 75    | 1452     | 0.635    | ug/L # | 77       |
| 52) Ethylbenzene              | 9.571   | 91    | 28904    | 4.318    | ug/L   | 99       |
| 53) m,p-Xylene                | 9.693   | 106   | 32193    | 12.453   | ug/L   | 99       |
| 54) o-xylene                  | 10.102  | 106   | 15511    | 6.274    | ug/L   | 97       |
| 61) Isopropylbenzene          | 11.291  | 105   | 23605    | 3.504    | ug/L   | 94       |
| 62) 1,3,5-Trimethylbenzene    | 11.089  | 105   | 36140    | 6.381    | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 11.468  | 105   | 117220   | 20.772   | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214  | 146   | 3982     | 1.173    | ug/L # | 89       |
| 71) Naphthalene               | 14.085  | 128   | 377155   | 52.448   | ug/L   | 99       |
| -----                         |         |       |          |          |        |          |

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Sample : N1155-01MEDL 20X  
Misc : 5.79g/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

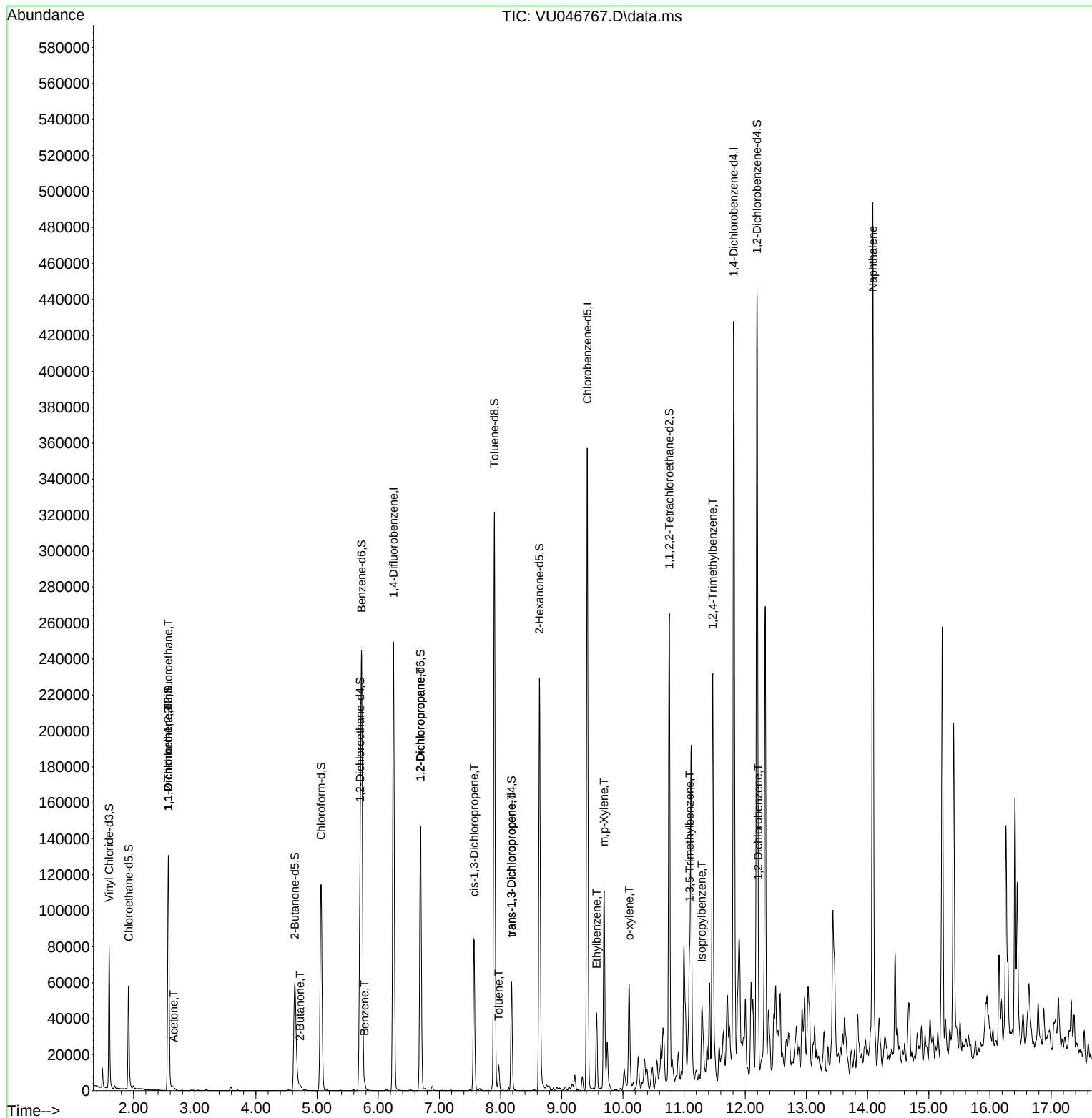
Quant Time: Jan 18 02:17:58 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM010522WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jan 18 02:15:56 2022  
Response via : Initial Calibration

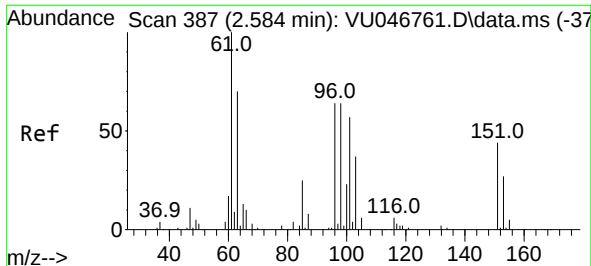
| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

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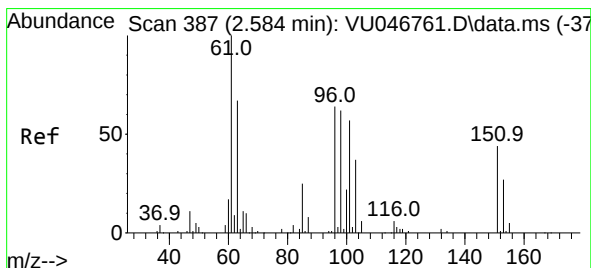
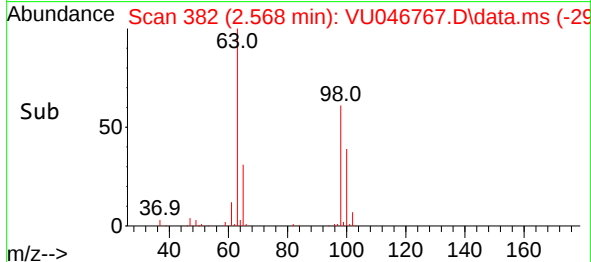
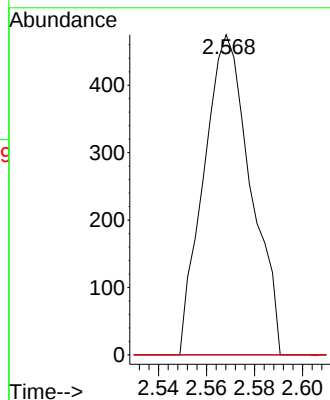
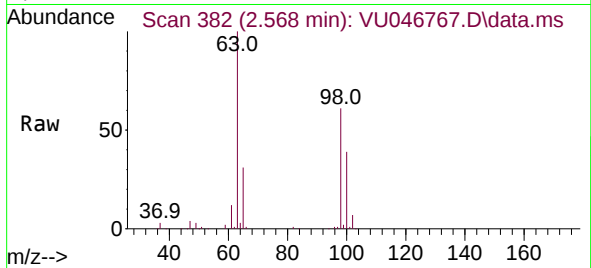




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.446 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.016 min  
 Lab File: VU046767.D  
 Acq: 17 Jan 2022 15:46

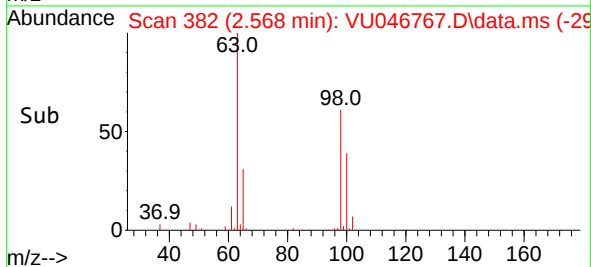
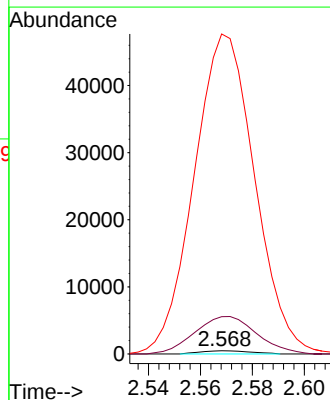
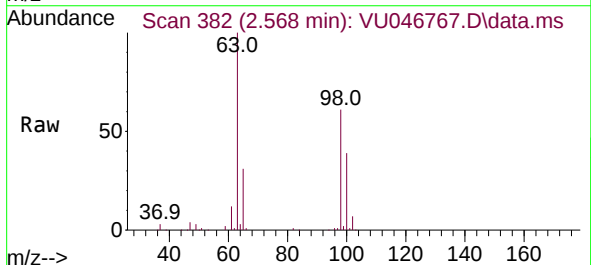
Instrument :  
 MSVOA\_U  
 ClientSampleId :

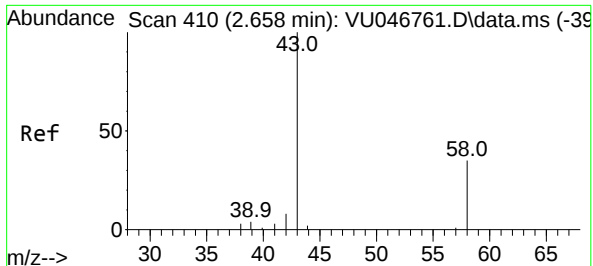
Tgt Ion:101 Resp: 646  
 Ion Ratio Lower Upper  
 101 100  
 85 0.0 34.9 52.3#  
 151 0.0 58.3 87.5#



#12  
 1,1-Dichloroethene  
 Concen: 0.477 ug/L  
 RT: 2.568 min Scan# 382  
 Delta R.T. -0.016 min  
 Lab File: VU046767.D  
 Acq: 17 Jan 2022 15:46

Tgt Ion: 96 Resp: 650  
 Ion Ratio Lower Upper  
 96 100  
 61 1179.7 114.9 213.3#  
 63 10103.4 86.0 159.8#





#13

Acetone

Concen: 2.686 ug/L

RT: 2.655 min Scan# 410

Delta R.T. -0.003 min

Lab File: VU046767.D

Acq: 17 Jan 2022 15:46

Instrument :

MSVOA\_U

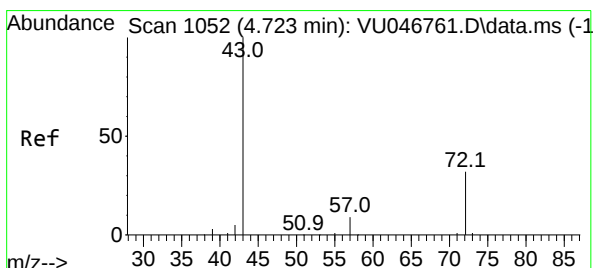
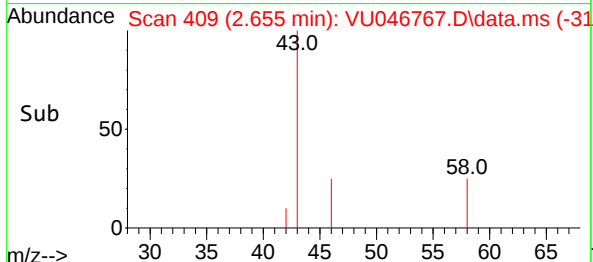
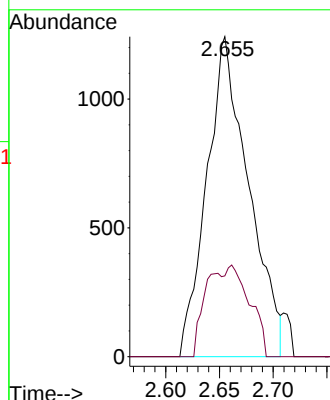
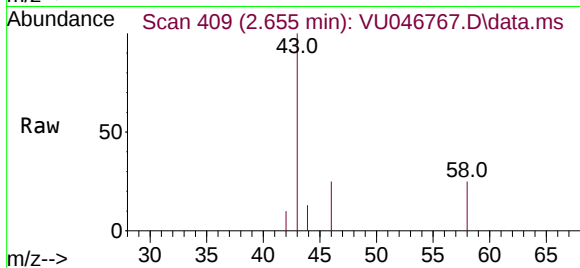
ClientSampleId :

Tgt Ion: 43 Resp: 3360

Ion Ratio Lower Upper

43 100

58 12.1 0.0 71.0



#22

2-Butanone

Concen: 2.151 ug/L

RT: 4.722 min Scan# 1052

Delta R.T. -0.000 min

Lab File: VU046767.D

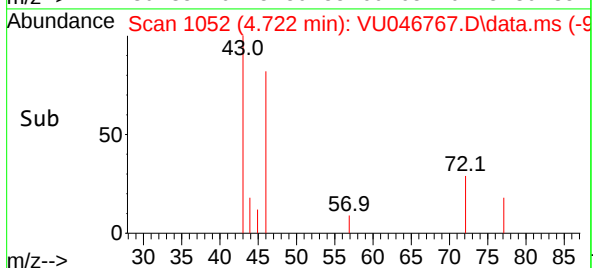
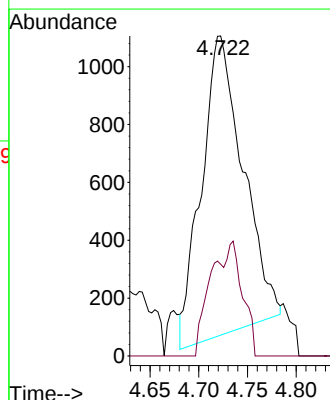
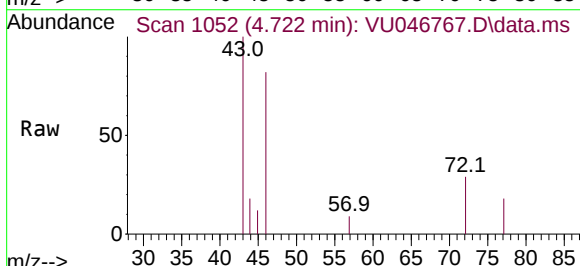
Acq: 17 Jan 2022 15:46

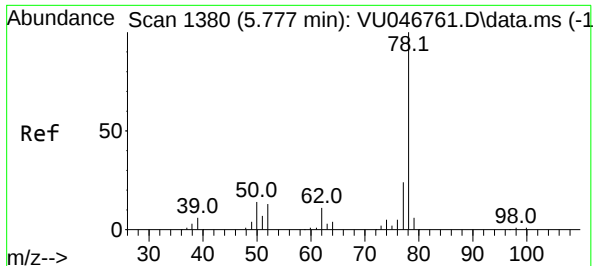
Tgt Ion: 43 Resp: 3067

Ion Ratio Lower Upper

43 100

72 14.3 15.6 46.8#

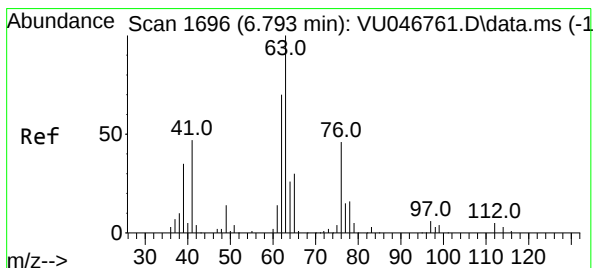
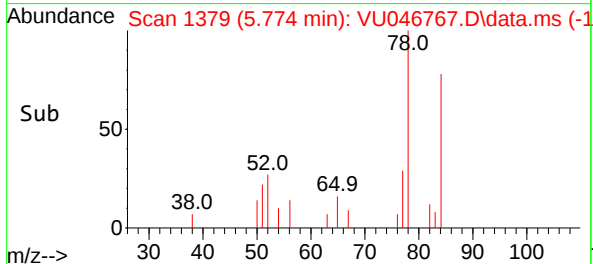
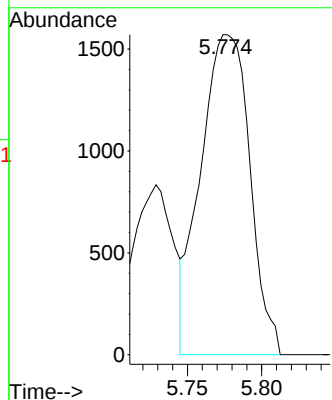
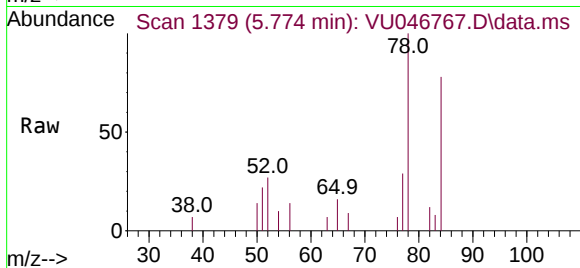




#33  
Benzene  
Concen: 0.606 ug/L  
RT: 5.774 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

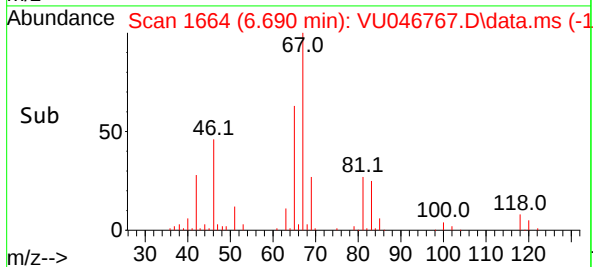
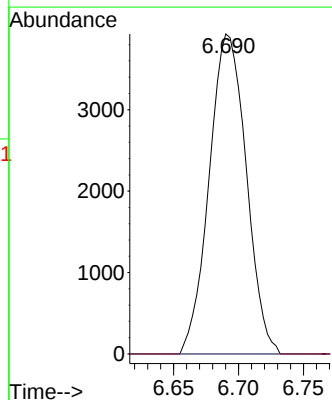
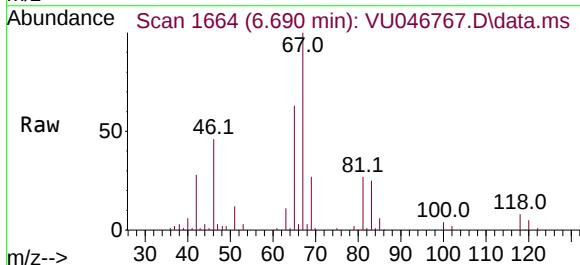
Instrument :  
MSVOA\_U  
ClientSampleId :

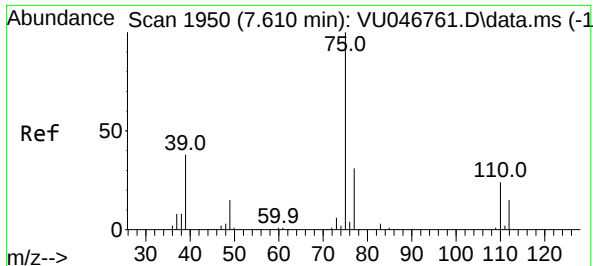
Tgt Ion: 78 Resp: 3625



#37  
1,2-Dichloropropane  
Concen: 5.094 ug/L  
RT: 6.690 min Scan# 1664  
Delta R.T. -0.103 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

Tgt Ion: 63 Resp: 7798  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.7 5.5#





#39

cis-1,3-Dichloropropene

Concen: 0.959 ug/L

RT: 7.568 min Scan# 1950

Delta R.T. -0.042 min

Lab File: VU046767.D

Acq: 17 Jan 2022 15:46

Instrument :

MSVOA\_U

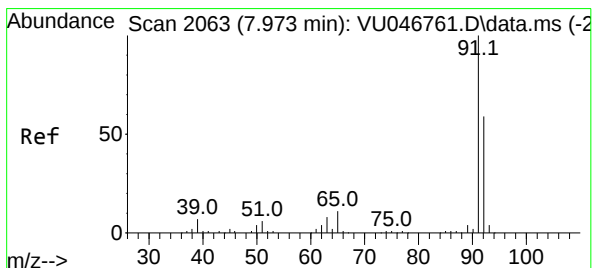
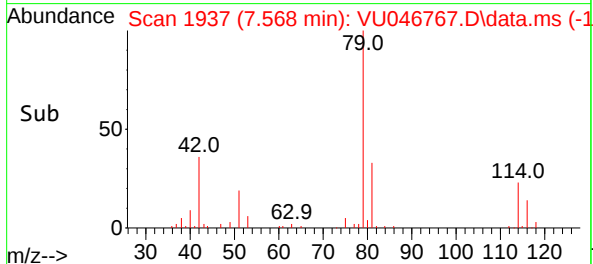
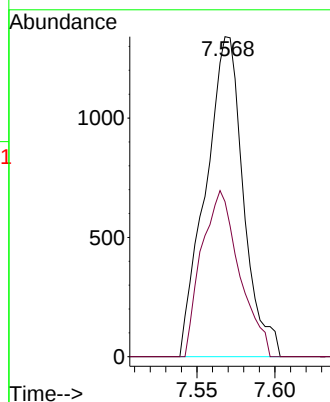
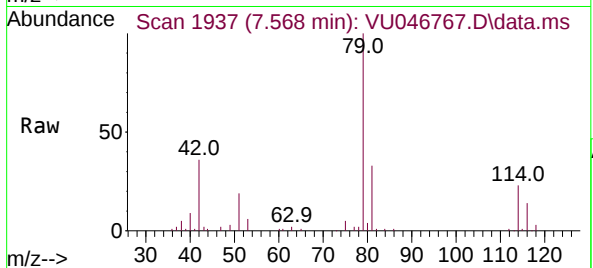
ClientSampleId :

Tgt Ion: 75 Resp: 2258

Ion Ratio Lower Upper

75 100

77 48.5 22.3 41.3#



#42

Toluene

Concen: 1.625 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.003 min

Lab File: VU046767.D

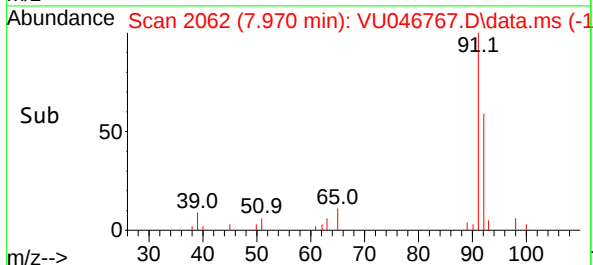
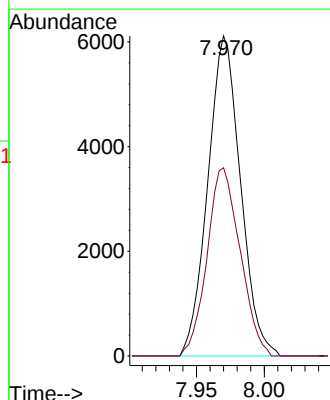
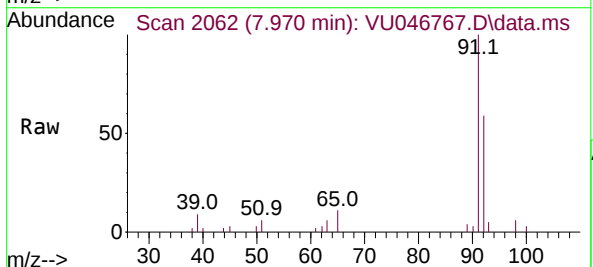
Acq: 17 Jan 2022 15:46

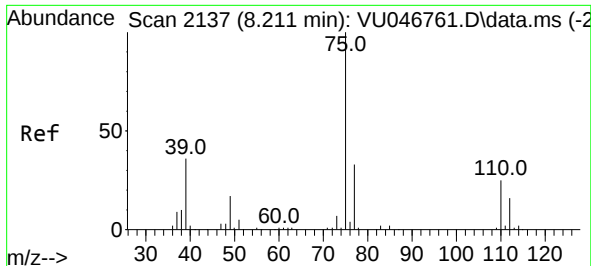
Tgt Ion: 91 Resp: 10253

Ion Ratio Lower Upper

91 100

92 58.8 40.4 75.0

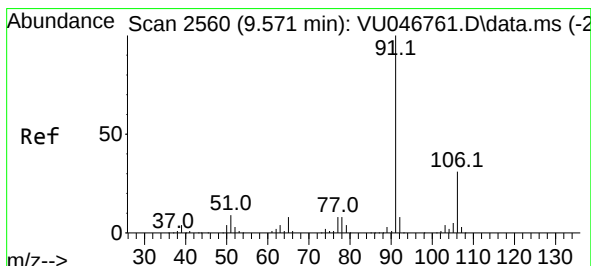
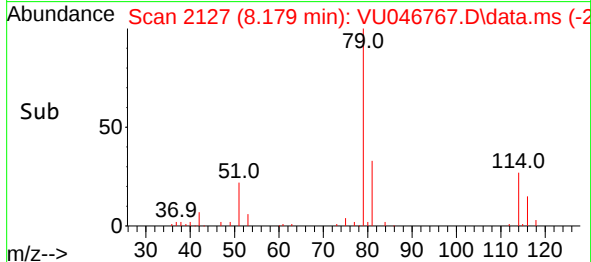
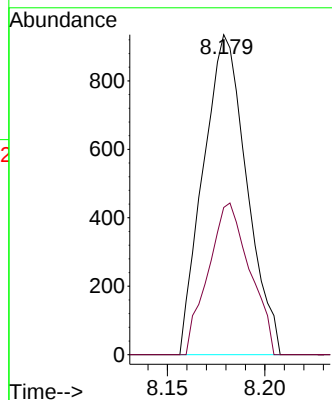
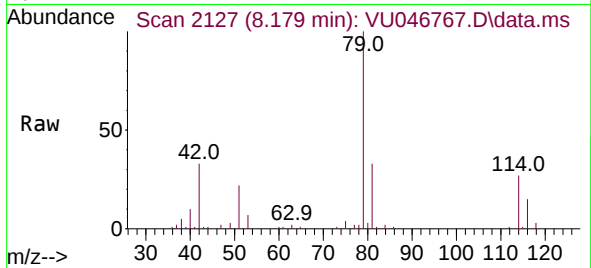




#44  
trans-1,3-Dichloropropene  
Concen: 0.635 ug/L  
RT: 8.179 min Scan# 2137  
Delta R.T. -0.032 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

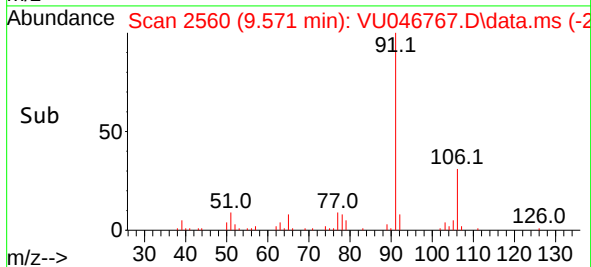
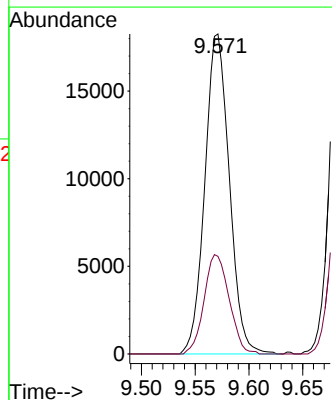
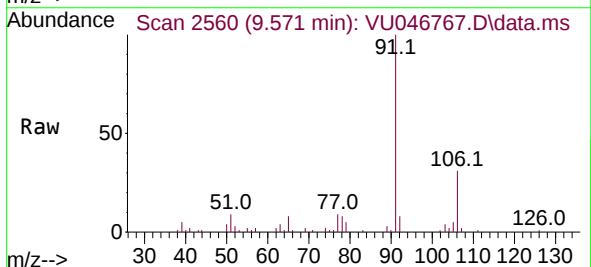
Instrument :  
MSVOA\_U  
ClientSampleId :

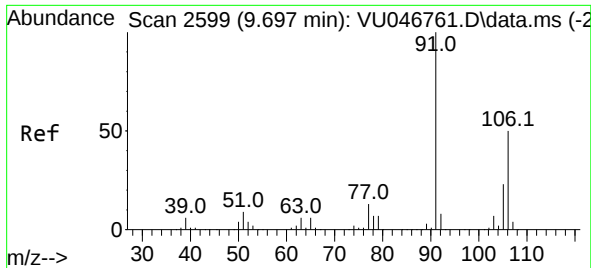
Tgt Ion: 75 Resp: 1452  
Ion Ratio Lower Upper  
75 100  
77 46.0 23.0 42.8#



#52  
Ethylbenzene  
Concen: 4.318 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

Tgt Ion: 91 Resp: 28904  
Ion Ratio Lower Upper  
91 100  
106 30.5 21.8 40.4

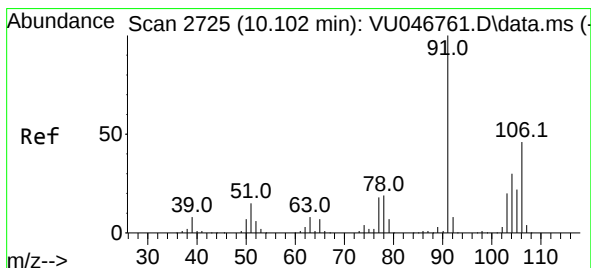
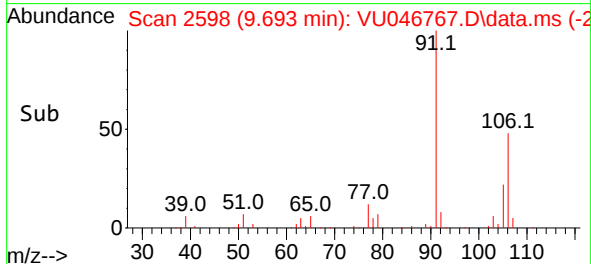
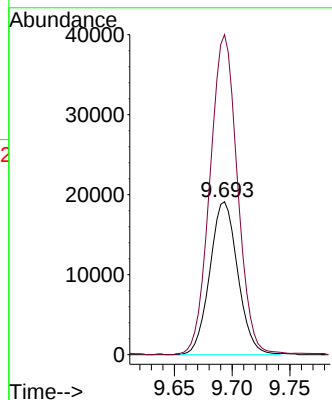
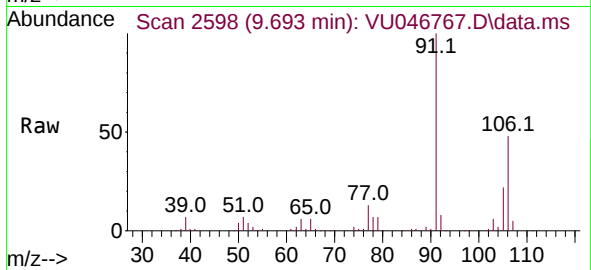




#53  
m,p-Xylene  
Concen: 12.453 ug/L  
RT: 9.693 min Scan# 2599  
Delta R.T. -0.003 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

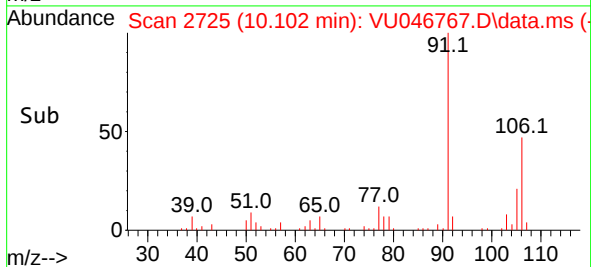
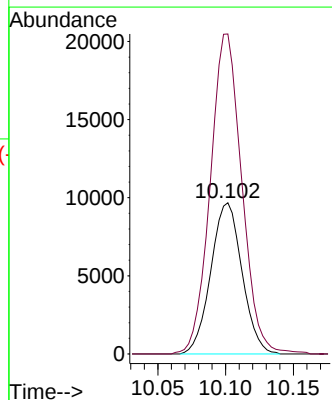
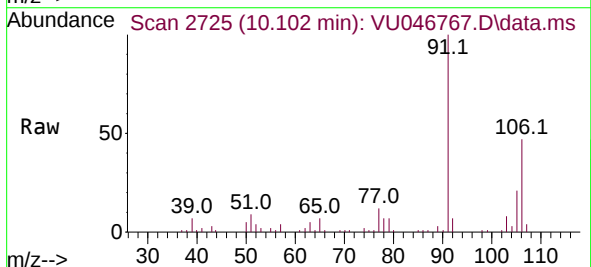
Instrument :  
MSVOA\_U  
ClientSampleId :

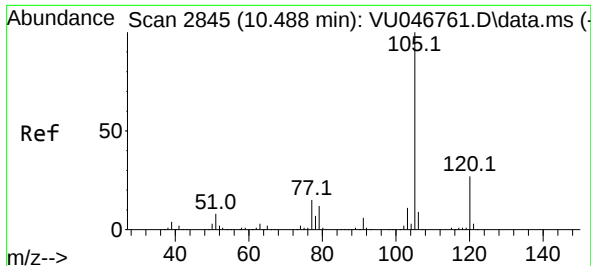
Tgt Ion:106 Resp: 32193  
Ion Ratio Lower Upper  
106 100  
91 209.2 145.5 270.1



#54  
o-xylene  
Concen: 6.274 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.000 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

Tgt Ion:106 Resp: 15511  
Ion Ratio Lower Upper  
106 100  
91 211.6 152.0 282.2

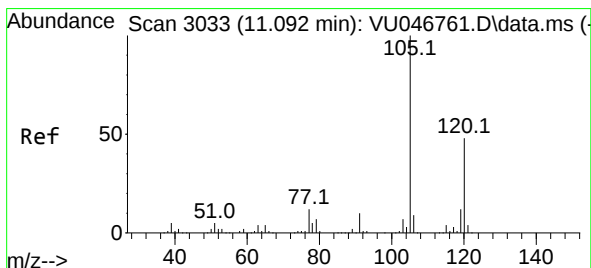
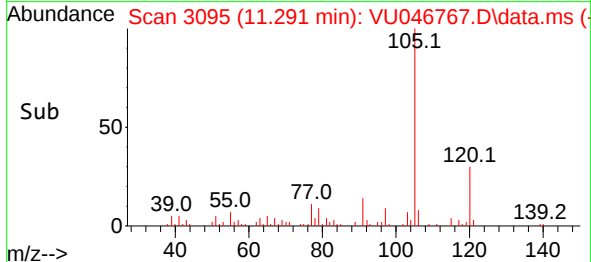
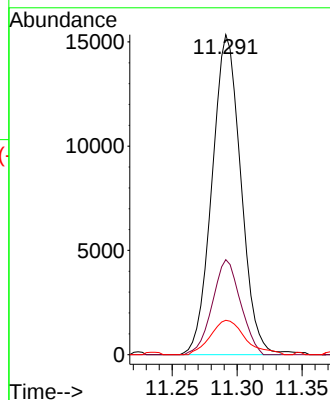
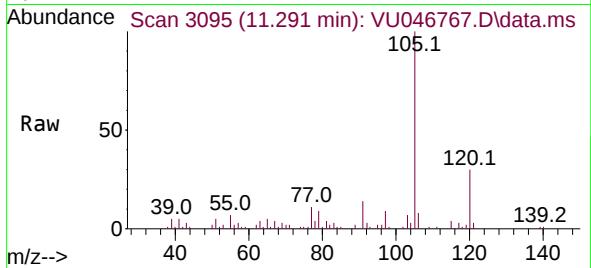




#61  
Isopropylbenzene  
Concen: 3.504 ug/L  
RT: 11.291 min Scan# 3095  
Delta R.T. 0.804 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

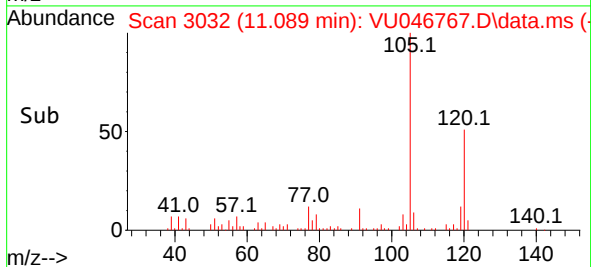
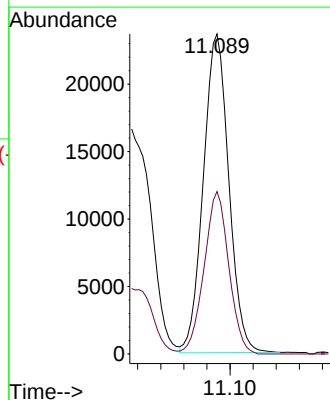
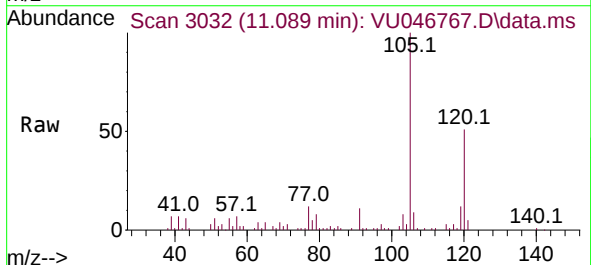
Instrument :  
MSVOA\_U  
ClientSampleId :

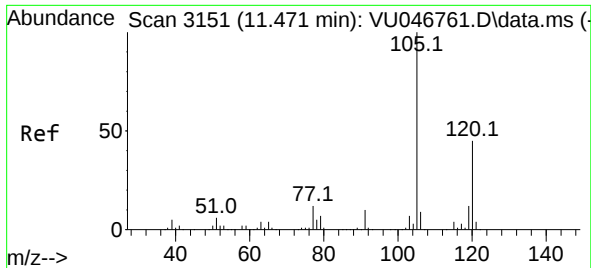
Tgt Ion:105 Resp: 23605  
Ion Ratio Lower Upper  
105 100  
120 29.0 20.6 31.0  
77 13.0 12.6 18.8



#62  
1,3,5-Trimethylbenzene  
Concen: 6.381 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.003 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

Tgt Ion:105 Resp: 36140  
Ion Ratio Lower Upper  
105 100  
120 49.6 38.4 57.6

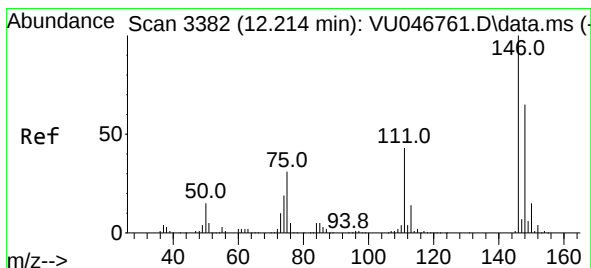
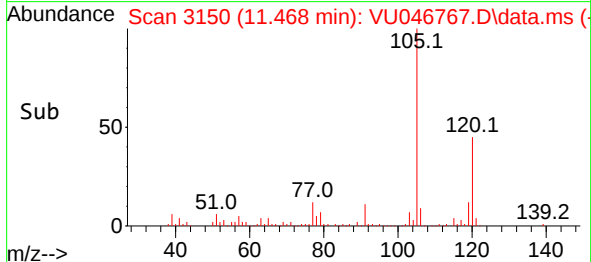
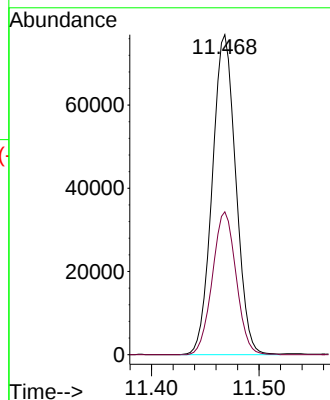
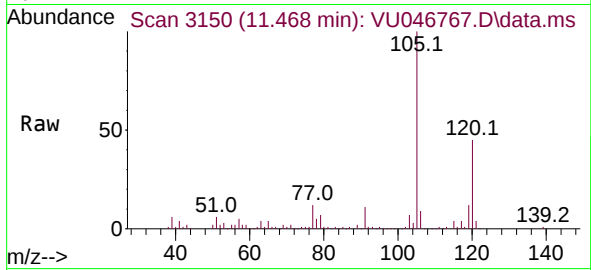




#63  
1,2,4-Trimethylbenzene  
Concen: 20.772 ug/L  
RT: 11.468 min Scan# 3151  
Delta R.T. -0.003 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

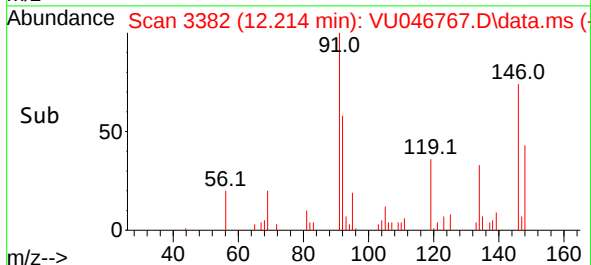
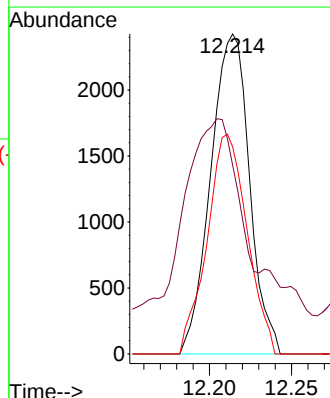
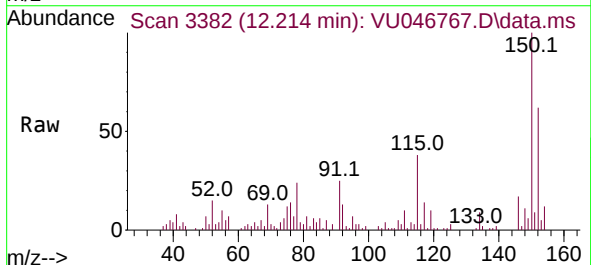
Instrument :  
MSVOA\_U  
ClientSampleId :

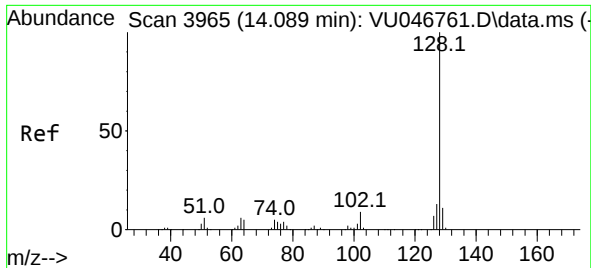
Tgt Ion:105 Resp: 117220  
Ion Ratio Lower Upper  
105 100  
120 44.8 35.4 53.2



#67  
1,2-Dichlorobenzene  
Concen: 1.173 ug/L  
RT: 12.214 min Scan# 3382  
Delta R.T. -0.000 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

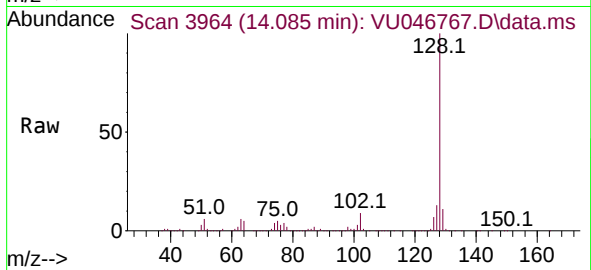
Tgt Ion:146 Resp: 3982  
Ion Ratio Lower Upper  
146 100  
111 59.0 34.2 51.4#  
148 64.7 51.3 76.9





#71  
Naphthalene  
Concen: 52.448 ug/L  
RT: 14.085 min Scan# 3964  
Delta R.T. -0.003 min  
Lab File: VU046767.D  
Acq: 17 Jan 2022 15:46

Instrument :  
MSVOA\_U  
ClientSampleId :



Tgt Ion:128 Resp: 377155  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.1 15.1  
129 11.1 8.8 13.2

