

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU020321\  
 Data File : VU042237.D  
 Acq On : 03 Feb 2021 17:01  
 Operator : SY/MD  
 Sample : M1259-03  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F1E55

Quant Time: Feb 04 04:23:31 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR012021WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Feb 04 04:20:04 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.259  | 114   | 104708   | 5.00     | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.427  | 117   | 96810    | 5.00     | ug/L   | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.822 | 152   | 51603    | 5.00     | ug/L   | 0.00     |
|                               |        |       |          |          |        |          |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.600  | 65    | 20622    | 3.05     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 61.00%   |
| 7) Chloroethane-d5            | 1.919  | 69    | 19066    | 3.50     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 70.00%   |
| 11) 1,1-Dichloroethene-d2     | 2.571  | 63    | 37947    | 2.55     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 51.00%#  |
| 20) 2-Butanone-d5             | 4.645  | 46    | 128397   | 52.10    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 104.20%  |
| 24) Chloroform-d              | 5.073  | 84    | 60335    | 4.28     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.60%   |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65    | 39611    | 4.69     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 93.80%   |
| 32) Benzene-d6                | 5.735  | 84    | 107646   | 4.26     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.20%   |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 38246    | 4.69     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 93.80%   |
| 41) Toluene-d8                | 7.906  | 98    | 98585    | 4.13     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.60%   |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 16602    | 4.02     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 80.40%   |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 93270    | 51.83    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 103.66%  |
| 57) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 34654    | 4.95     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 99.00%   |
| 64) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 44735    | 4.83     | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 96.60%   |
|                               |        |       |          |          |        |          |
| Target Compounds              |        |       |          |          |        | Qvalue   |
| 3) Chloromethane              | 1.523  | 50    | 381      | 0.04     | ug/L   | 92       |
| 5) Vinyl chloride             | 1.607  | 62    | 34758    | 4.13     | ug/L   | 98       |
| 8) Chloroethane               | 2.092  | 64    | 236      | 0.05     | ug/L # | 43       |
| 13) Acetone                   | 2.655  | 43    | 8004     | 4.88     | ug/L   | 98       |
| 27) 1,2-Dichloroethane        | 5.803  | 62    | 576      | 0.06     | ug/L # | 75       |
| 30) Cyclohexane               | 5.398  | 56    | 29894    | 2.18     | ug/L   | 98       |
| 33) Benzene                   | 5.780  | 78    | 2292     | 0.08     | ug/L   | 100      |
| 35) Methylcyclohexane         | 6.700  | 83    | 8685     | 0.67     | ug/L # | 14       |
| 37) 1,2-Dichloropropane       | 6.700  | 63    | 4592     | 0.61     | ug/L # | 87       |
| 39) cis-1,3-Dichloropropene   | 7.574  | 75    | 1111     | 0.09     | ug/L # | 69       |
| 42) Toluene                   | 7.976  | 91    | 35576    | 1.15     | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene | 8.189  | 75    | 790      | 0.07     | ug/L # | 73       |
| 48) 2-Hexanone                | 8.645  | 43    | 13956    | 3.13     | ug/L # | 67       |
| 52) Ethylbenzene              | 9.578  | 91    | 10462    | 0.30     | ug/L   | 96       |
| 53) m,p-Xylene                | 9.703  | 106   | 5878     | 0.44     | ug/L   | 98       |
| 54) o-Xylene                  | 10.105 | 106   | 2555     | 0.20     | ug/L   | 98       |
| 55) Styrene                   | 10.124 | 104   | 2123     | 0.10     | ug/L   | 95       |
| 59) 1,2,3-Trichloropropane    | 11.819 | 75    | 5904     | 1.11     | ug/L   | 98       |
| -----                         |        |       |          |          |        |          |

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Data File : VU042237.D  
Acq On : 03 Feb 2021 17:01  
Operator : SY/MD  
Sample : M1259-03  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E55

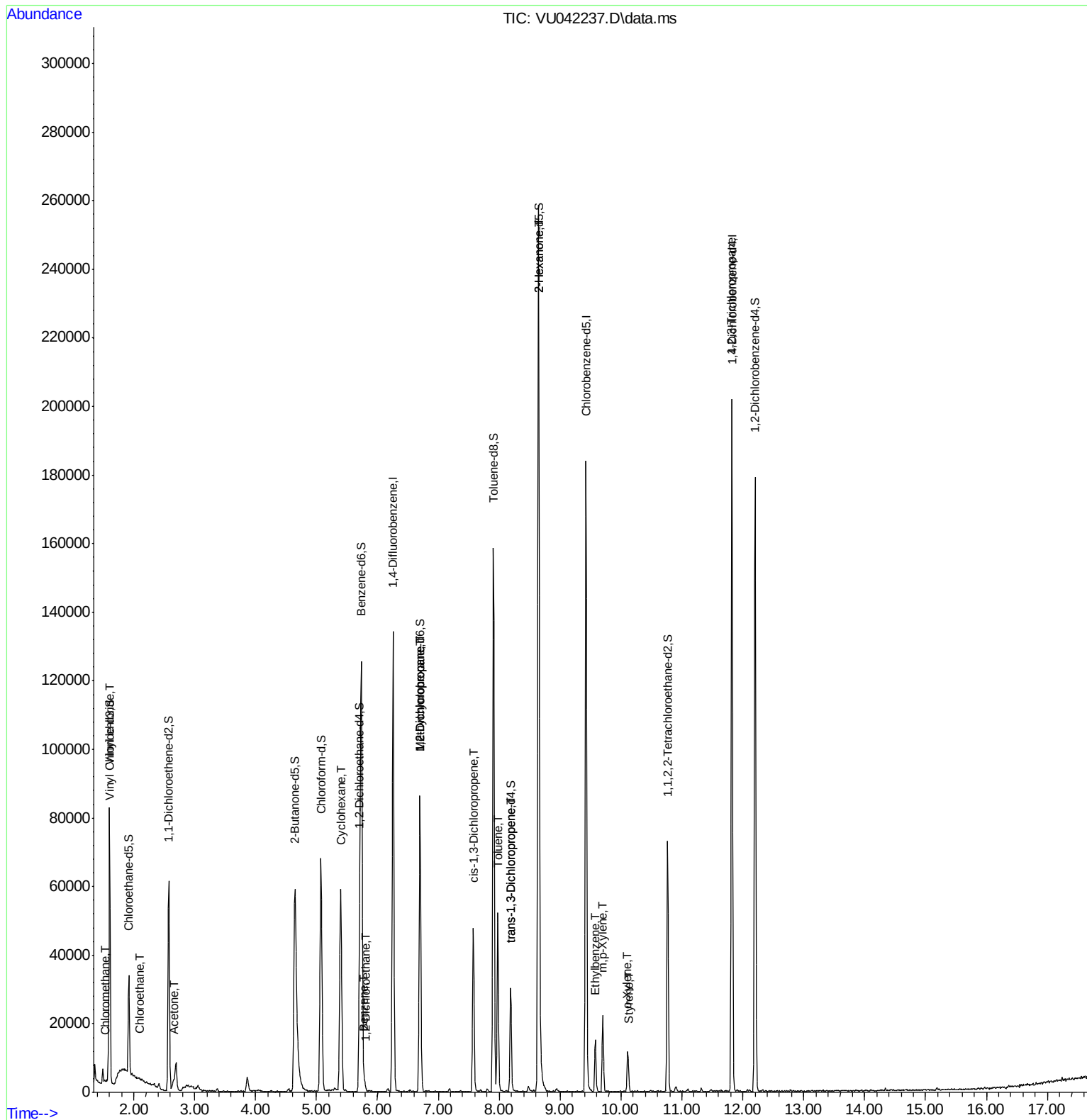
Quant Time: Feb 04 04:23:31 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR012021WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Feb 04 04:20:04 2021  
Response via : Initial Calibration

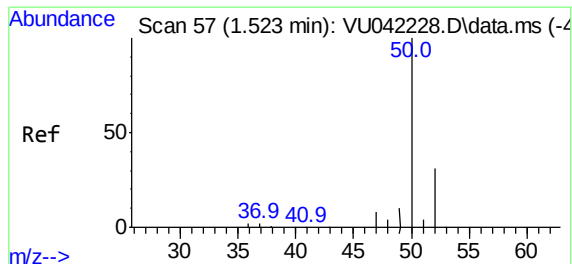
| Compound                                                                   | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                 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

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Quant Title : TRACE VOA SOM01.0  
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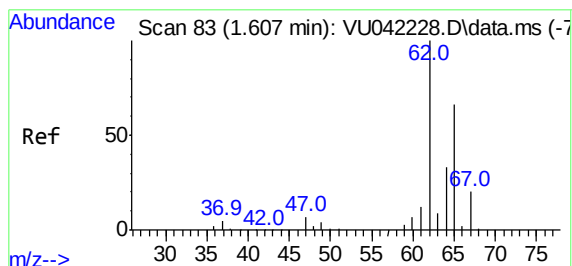
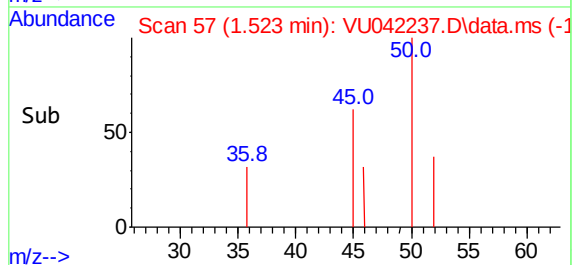
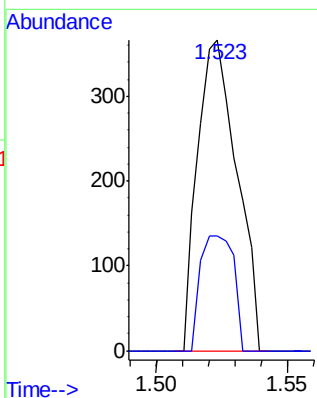
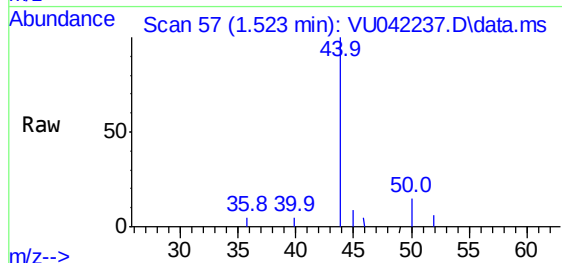




#3  
Chloromethane  
Concen: 0.04 ug/L  
RT: 1.523 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

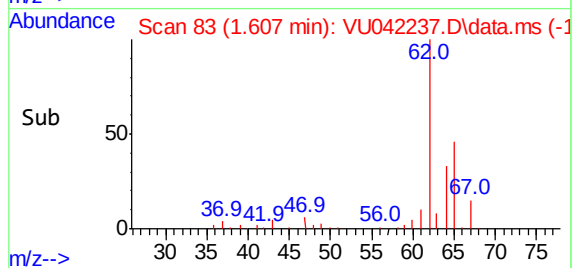
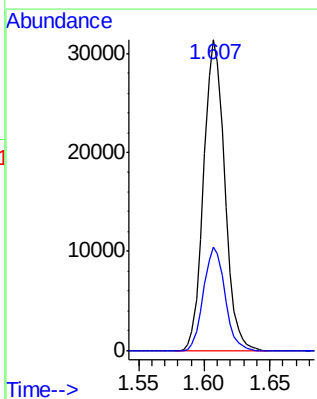
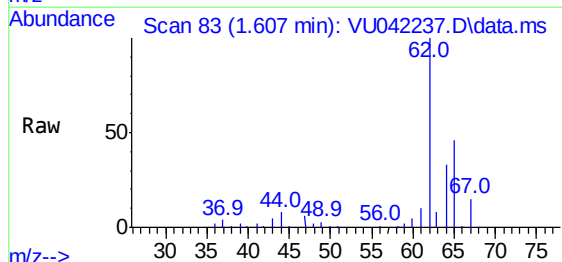
Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E55

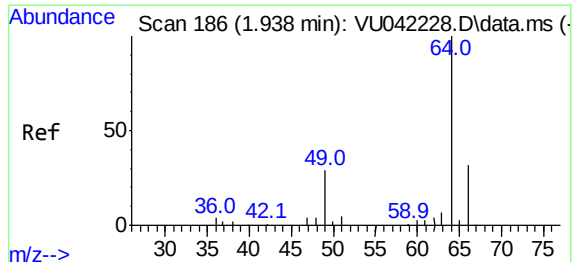
Tgt Ion: 50 Resp: 381  
Ion Ratio Lower Upper  
50 100  
52 37.2 23.0 42.8



#5  
Vinyl chloride  
Concen: 4.13 ug/L  
RT: 1.607 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Tgt Ion: 62 Resp: 34758  
Ion Ratio Lower Upper  
62 100  
64 33.3 22.7 42.1

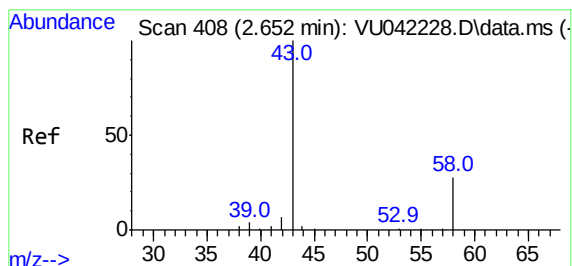
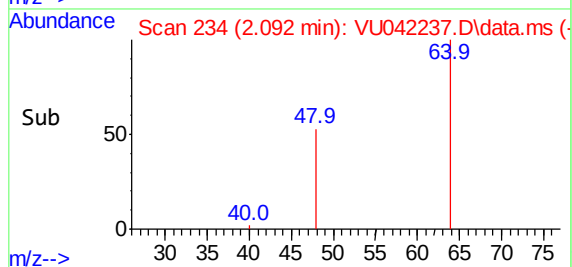
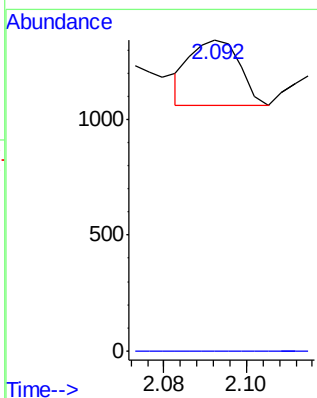
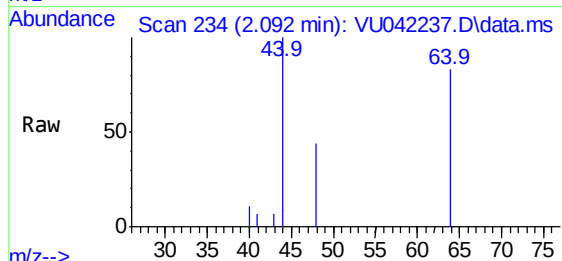




#8  
Chloroethane  
Concen: 0.05 ug/L  
RT: 2.092 min Scan# 234  
Delta R.T. 0.154 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

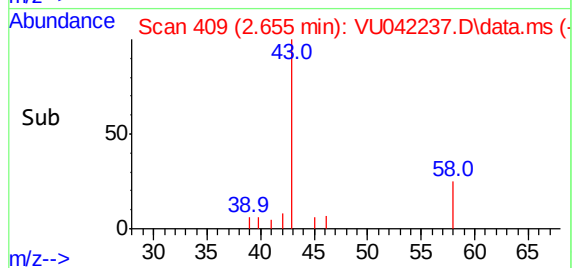
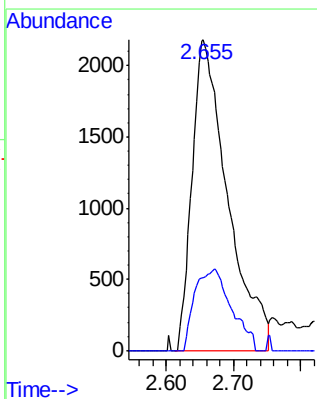
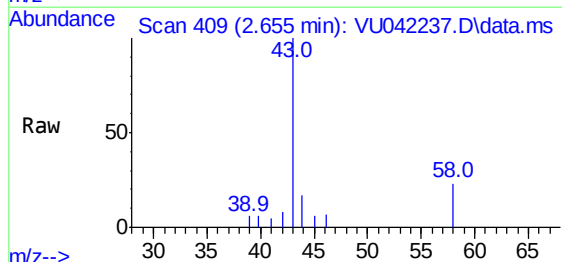
Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E55

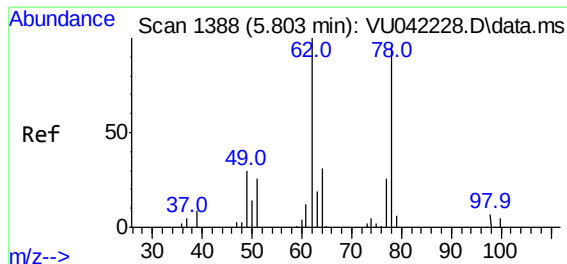
Tgt Ion: 64 Resp: 236  
Ion Ratio Lower Upper  
64 100  
66 0.0 22.2 41.2#



#13  
Acetone  
Concen: 4.88 ug/L  
RT: 2.655 min Scan# 409  
Delta R.T. 0.003 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Tgt Ion: 43 Resp: 8004  
Ion Ratio Lower Upper  
43 100  
58 26.9 0.0 55.8

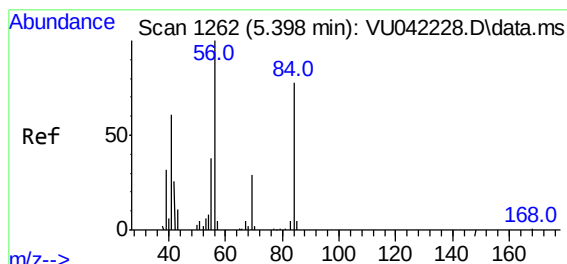
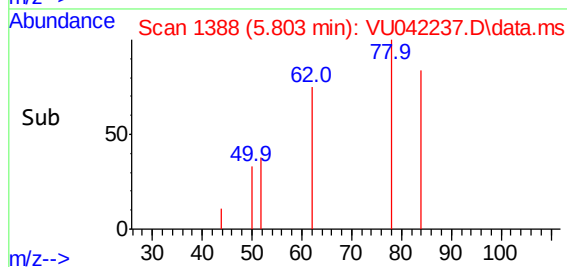
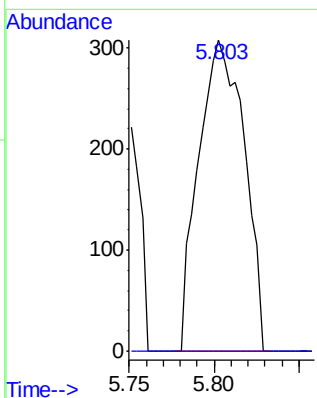
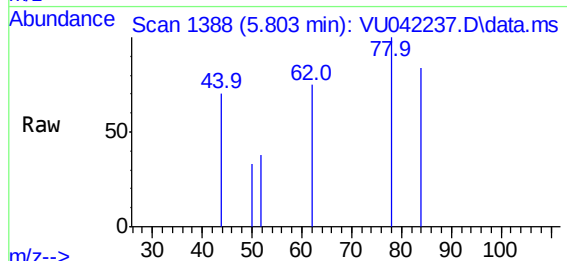




#27  
1,2-Dichloroethane  
Concen: 0.06 ug/L  
RT: 5.803 min Scan# 1388  
Delta R.T. -0.000 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

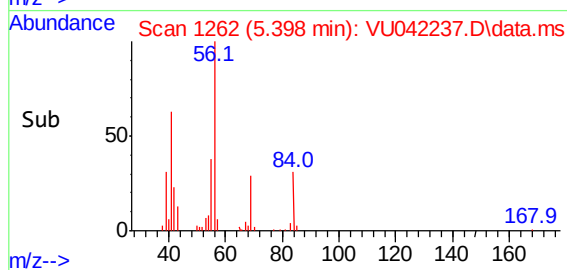
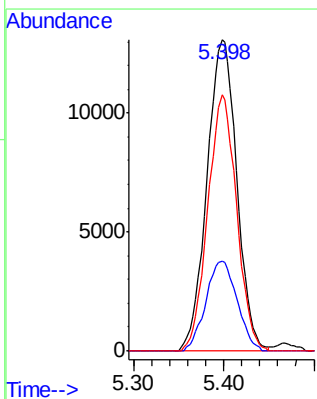
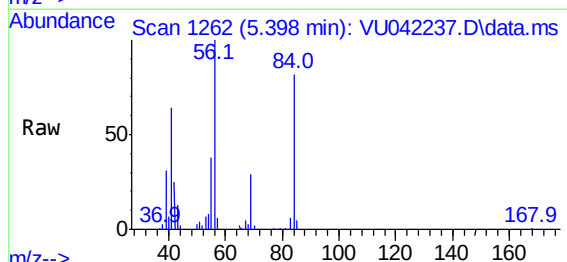
Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E55

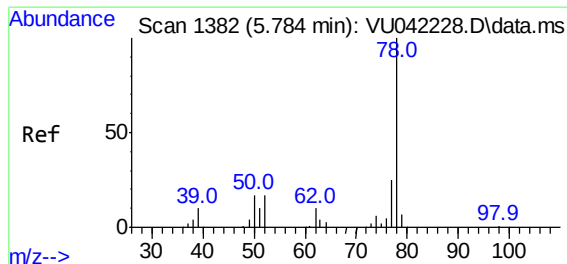
Tgt Ion: 62 Resp: 576  
Ion Ratio Lower Upper  
62 100  
98 0.0 7.3 10.9#



#30  
Cyclohexane  
Concen: 2.18 ug/L  
RT: 5.398 min Scan# 1262  
Delta R.T. -0.000 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Tgt Ion: 56 Resp: 29894  
Ion Ratio Lower Upper  
56 100  
69 30.0 23.7 35.5  
84 79.4 65.3 97.9

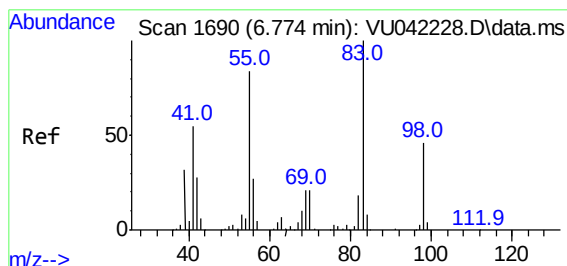
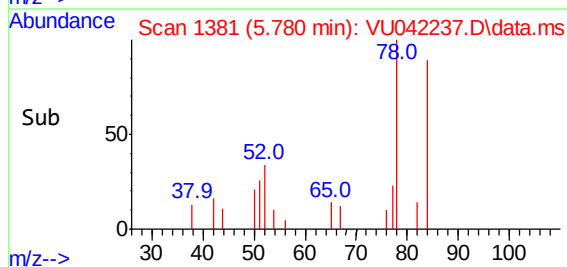
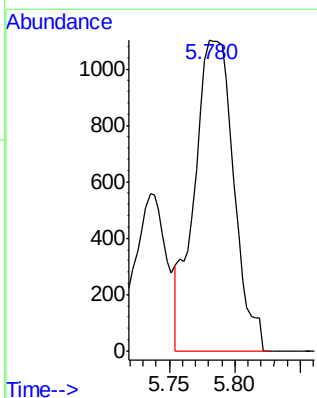
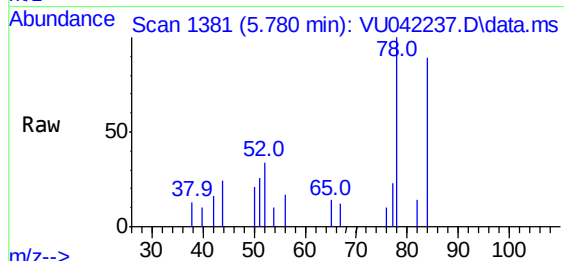




#33  
Benzene  
Concen: 0.08 ug/L  
RT: 5.780 min Scan# 1381  
Delta R.T. -0.003 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Instrument :  
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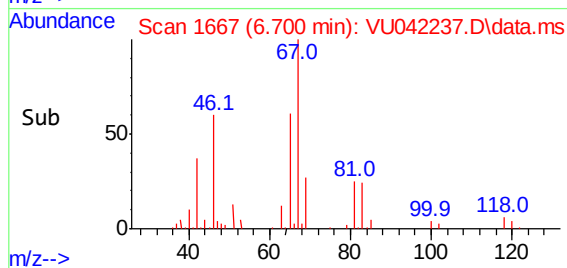
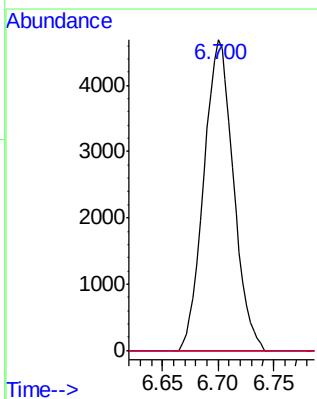
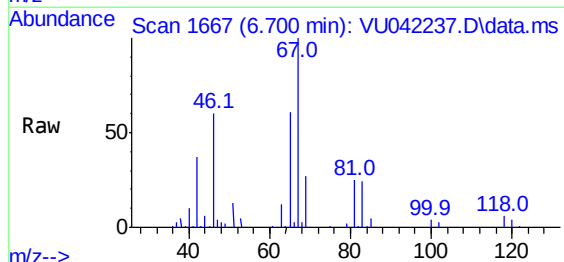
Tgt Ion: 78 Resp: 2292

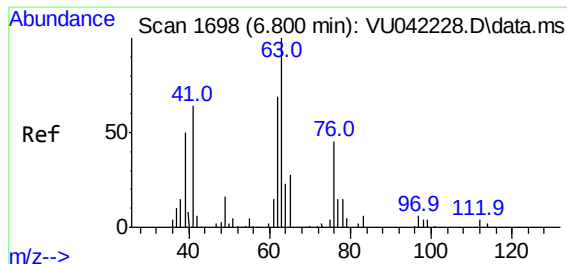


#35  
Methylcyclohexane  
Concen: 0.67 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.074 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Tgt Ion: 83 Resp: 8685  

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 83  | 100   |       |        |
| 55  | 0.0   | 68.2  | 102.4# |
| 98  | 0.0   | 39.7  | 59.5#  |

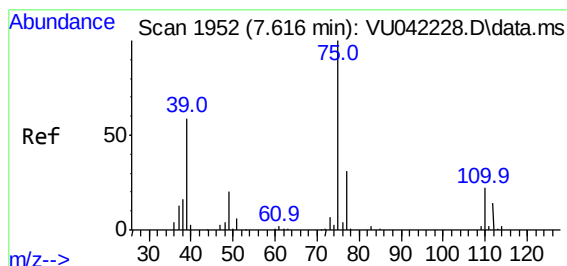
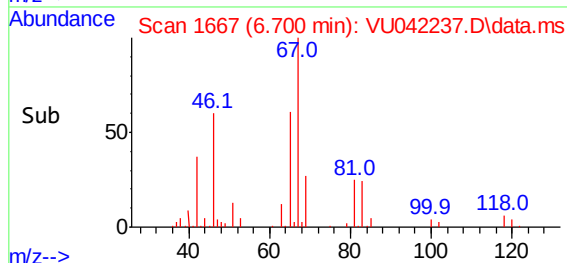
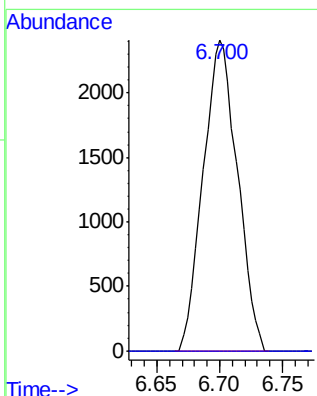
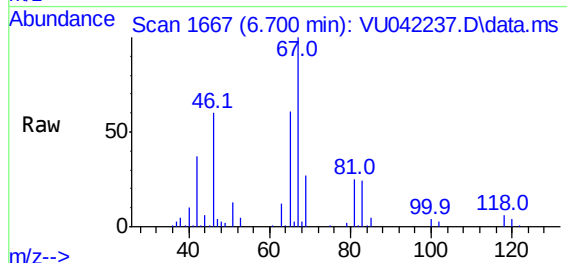




#37  
1,2-Dichloropropane  
Concen: 0.61 ug/L  
RT: 6.700 min Scan# 1667  
Delta R.T. -0.100 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

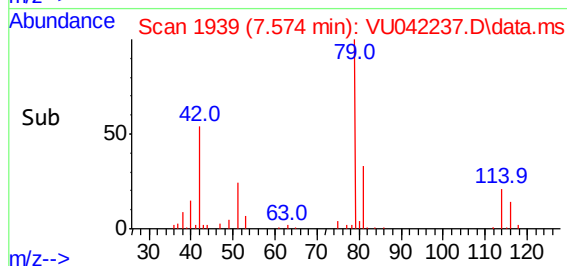
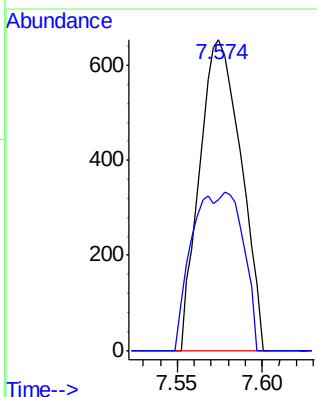
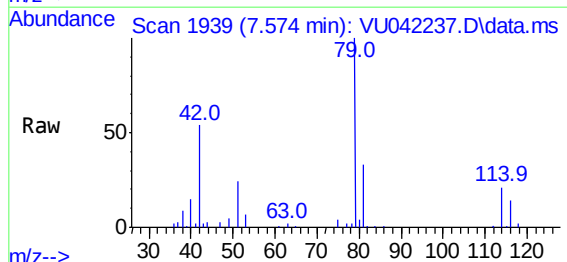
Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E55

Tgt Ion: 63 Resp: 4592  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#

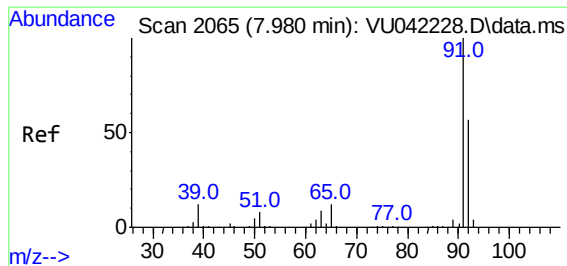


#39  
cis-1,3-Dichloropropene  
Concen: 0.09 ug/L  
RT: 7.574 min Scan# 1939  
Delta R.T. -0.042 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Tgt Ion: 75 Resp: 1111  
Ion Ratio Lower Upper  
75 100  
77 48.6 22.0 40.8#



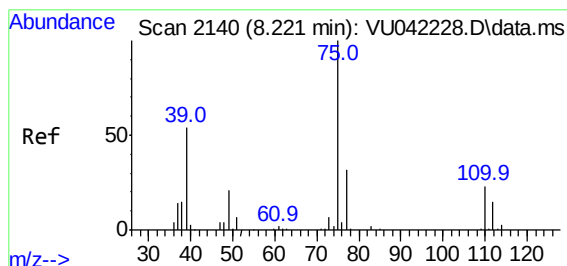
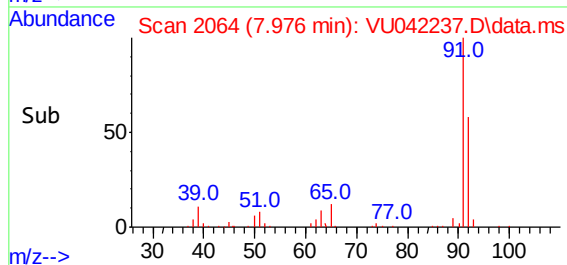
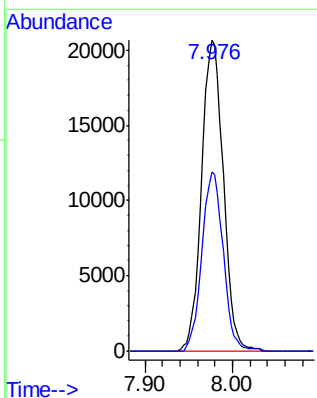
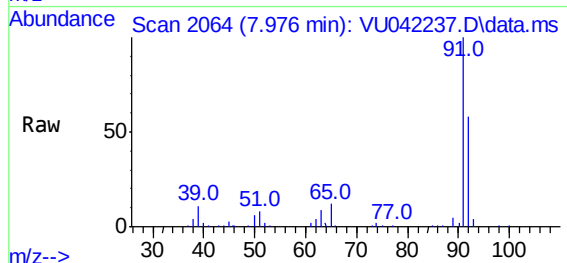




#42  
Toluene  
Concen: 1.15 ug/L  
RT: 7.976 min Scan# 2064  
Delta R.T. -0.003 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

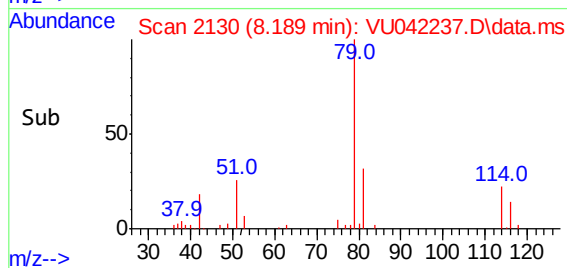
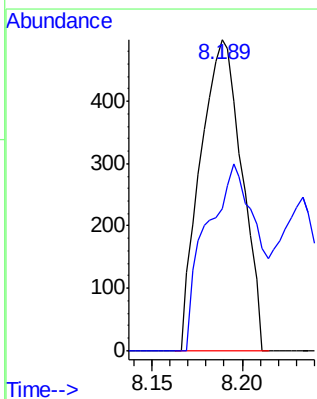
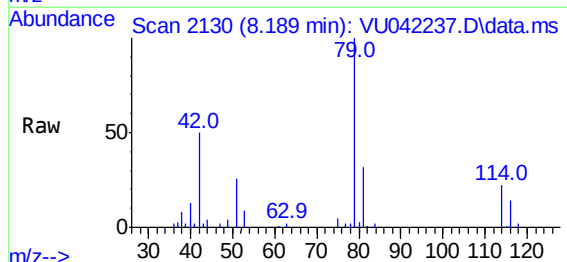
Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E55

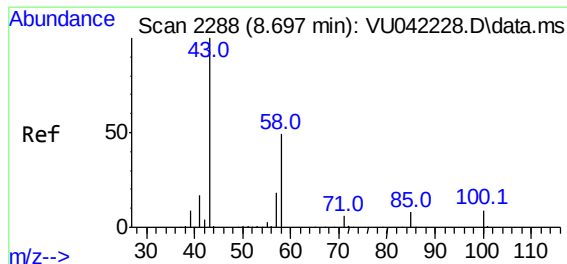
Tgt Ion: 91 Resp: 35576  
Ion Ratio Lower Upper  
91 100  
92 57.6 41.2 76.6



#44  
trans-1,3-Dichloropropene  
Concen: 0.07 ug/L  
RT: 8.189 min Scan# 2130  
Delta R.T. -0.032 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Tgt Ion: 75 Resp: 790  
Ion Ratio Lower Upper  
75 100  
77 45.7 21.8 40.4#

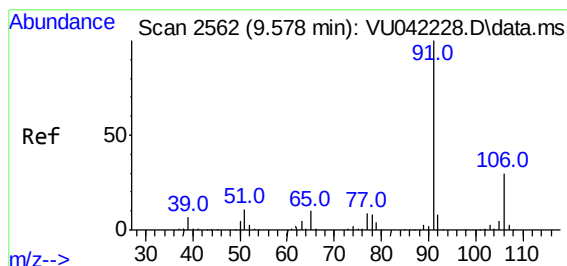
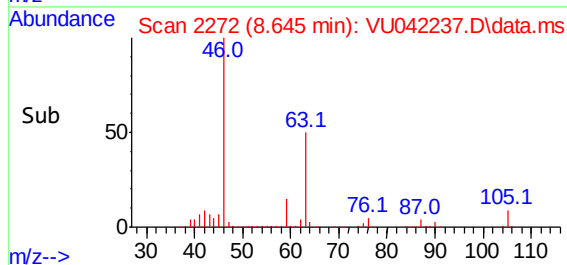
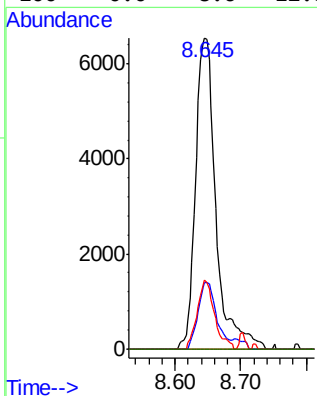
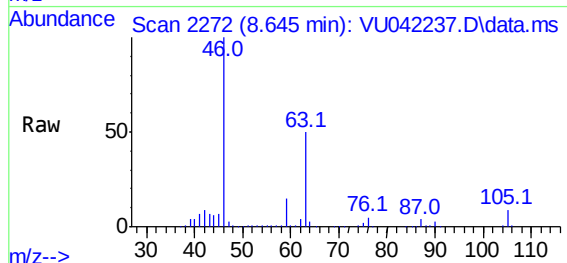




#48  
2-Hexanone  
Concen: 3.13 ug/L  
RT: 8.645 min Scan# 2272  
Delta R.T. -0.051 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

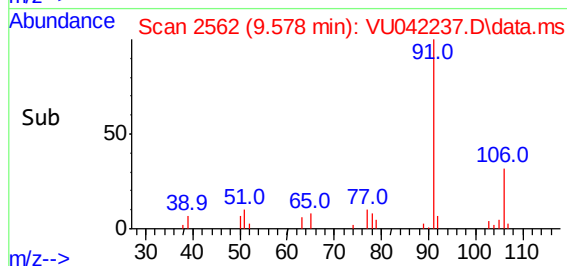
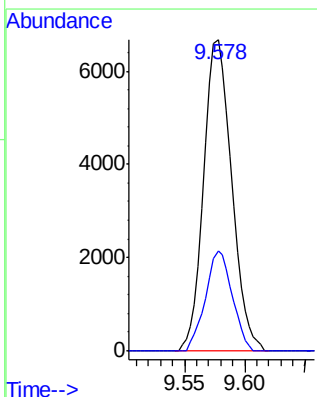
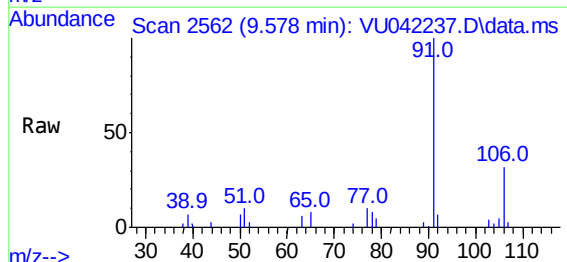
Instrument :  
MSVOA\_U  
ClientSampleId :  
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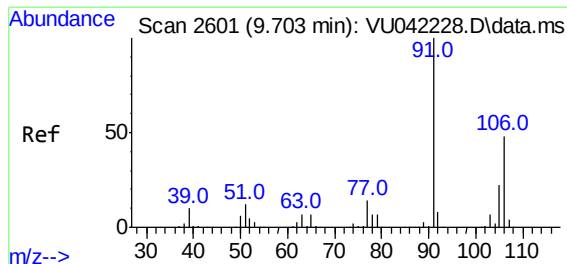
Tgt Ion: 43 Resp: 13956  
Ion Ratio Lower Upper  
43 100  
58 19.2 40.6 61.0#  
57 18.8 14.9 22.3  
100 0.0 8.6 12.8#



#52  
Ethylbenzene  
Concen: 0.30 ug/L  
RT: 9.578 min Scan# 2562  
Delta R.T. -0.000 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Tgt Ion: 91 Resp: 10462  
Ion Ratio Lower Upper  
91 100  
106 32.2 21.1 39.3

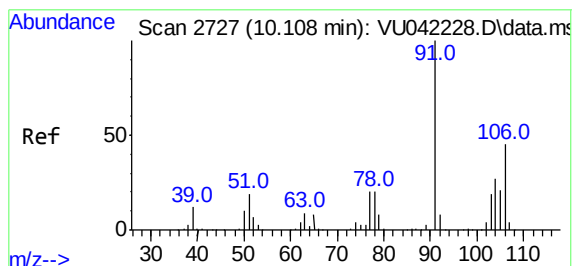
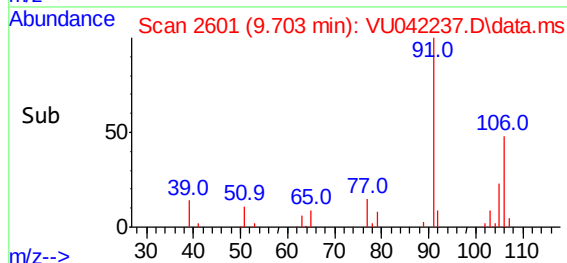
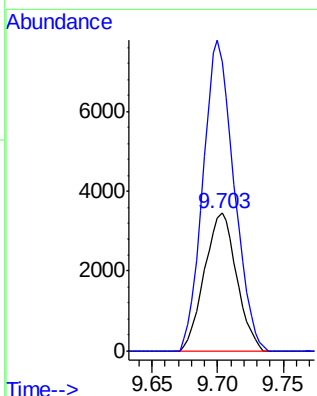
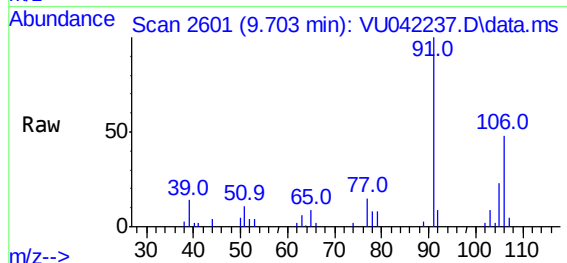




#53  
m,p-Xylene  
Concen: 0.44 ug/L  
RT: 9.703 min Scan# 2601  
Delta R.T. -0.000 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

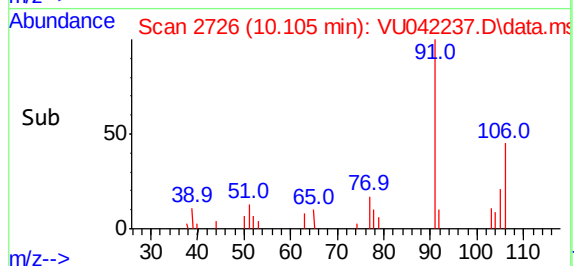
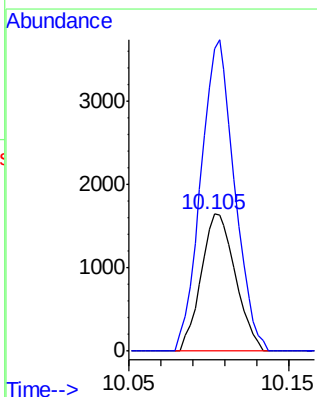
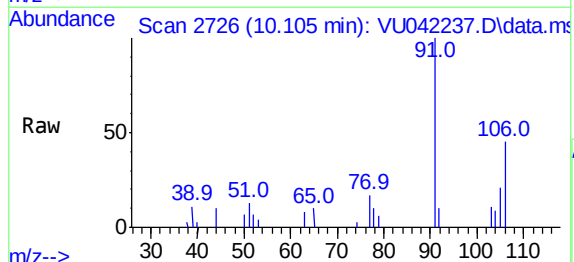
Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E55

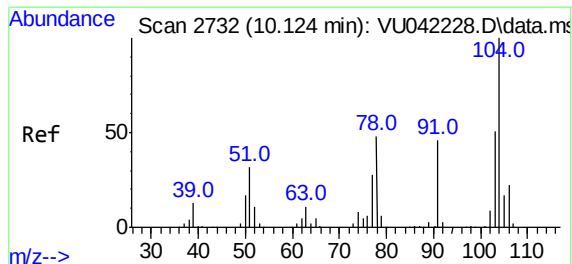
Tgt Ion:106 Resp: 5878  
Ion Ratio Lower Upper  
106 100  
91 209.8 145.1 269.5



#54  
o-Xylene  
Concen: 0.20 ug/L  
RT: 10.105 min Scan# 2726  
Delta R.T. -0.003 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Tgt Ion:106 Resp: 2555  
Ion Ratio Lower Upper  
106 100  
91 221.3 153.0 284.2

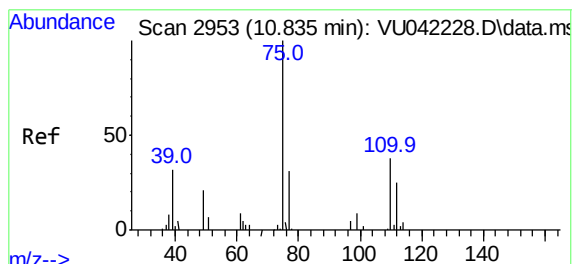
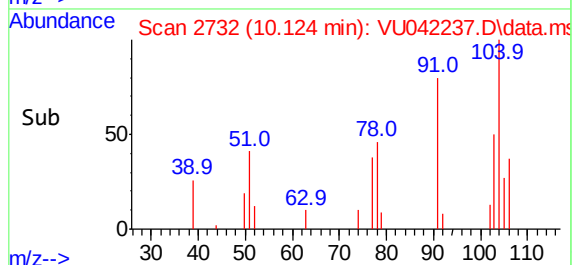
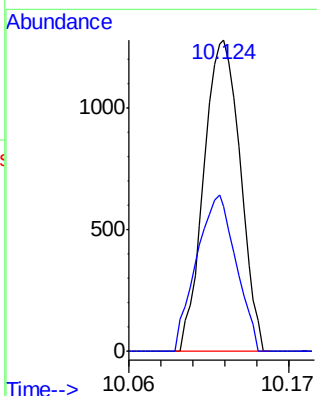
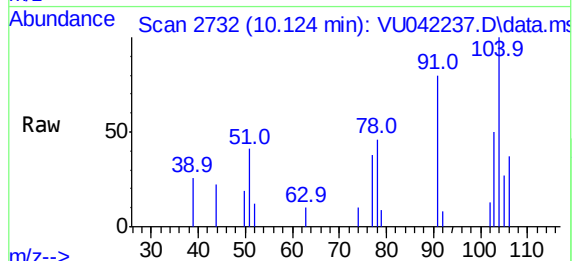




#55  
Styrene  
Concen: 0.10 ug/L  
RT: 10.124 min Scan# 2732  
Delta R.T. -0.000 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Instrument :  
MSVOA\_U  
ClientSampleId :  
F1E55

Tgt Ion: 104 Resp: 2123  
Ion Ratio Lower Upper  
104 100  
78 46.3 34.9 64.7



#59  
1,2,3-Trichloropropane  
Concen: 1.11 ug/L  
RT: 11.819 min Scan# 3259  
Delta R.T. 0.984 min  
Lab File: VU042237.D  
Acq: 03 Feb 2021 17:01

Tgt Ion: 75 Resp: 5904  
Ion Ratio Lower Upper  
75 100  
77 33.8 26.0 39.0

