

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042522\  
 Data File : VU048290.D  
 Acq On : 26 Apr 2022 00:02  
 Operator : SY/MD  
 Sample : N2518-06MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXES2MSD

Quant Time: Apr 26 02:49:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 26 02:41:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.250   | 114   | 378536   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.417   | 117   | 389482   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.812  | 152   | 219573   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.597   | 65    | 142925   | 41.060   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 82.120%  |
| 7) Chloroethane-d5            | 1.890   | 69    | 115854   | 47.415   | ug/L   | -0.02    |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 94.840%  |
| 11) 1,1-Dichloroethene-d2     | 2.562   | 63    | 245822   | 44.075   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 88.140%  |
| 21) 2-Butanone-d5             | 4.620   | 46    | 293639   | 98.905   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 98.910%  |
| 24) Chloroform-d              | 5.063   | 84    | 289547   | 45.859   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 91.720%  |
| 26) 1,2-Dichloroethane-d4     | 5.703   | 65    | 181251   | 48.383   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 96.760%  |
| 32) Benzene-d6                | 5.726   | 84    | 598022   | 48.684   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 97.360%  |
| 36) 1,2-Dichloropropane-d6    | 6.690   | 67    | 195452   | 48.129   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 96.260%  |
| 41) Toluene-d8                | 7.899   | 98    | 545947   | 49.032   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 98.060%  |
| 43) trans-1,3-Dichloroprop... | 8.179   | 79    | 85841    | 47.904   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 95.800%  |
| 47) 2-Hexanone-d5             | 8.636   | 63    | 233622   | 106.627  | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 106.630% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.758  | 84    | 352126   | 49.440   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 98.880%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.195  | 152   | 234272   | 47.430   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.860%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.382   | 85    | 129201   | 45.170   | ug/L   | 100      |
| 3) Chloromethane              | 1.520   | 50    | 153186   | 46.791   | ug/L   | 97       |
| 5) Vinyl chloride             | 1.604   | 62    | 151229   | 45.839   | ug/L   | 98       |
| 6) Bromomethane               | 1.829   | 94    | 63655    | 41.983   | ug/L   | 100      |
| 8) Chloroethane               | 1.912   | 64    | 91597    | 49.102   | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 2.128   | 101   | 204323   | 47.523   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.575   | 101   | 129282   | 45.337   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.575   | 96    | 116938   | 46.980   | ug/L   | 96       |
| 13) Acetone                   | 2.626   | 43    | 160424   | 84.169   | ug/L   | 100      |
| 14) Carbon disulfide          | 2.790   | 76    | 279012   | 45.993   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.944   | 43    | 171385   | 45.298   | ug/L   | 98       |
| 16) Methylene chloride        | 3.044   | 84    | 151207   | 47.119   | ug/L   | 99       |
| 17) trans-1,2-Dichloroethene  | 3.350   | 96    | 121120   | 46.841   | ug/L   | 100      |
| 18) Methyl tert-butyl Ether   | 3.362   | 73    | 422614   | 49.535   | ug/L   | 100      |
| 19) 1,1-Dichloroethane        | 3.867   | 63    | 253740   | 46.926   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.665   | 96    | 151761   | 48.690   | ug/L   | 98       |
| 22) 2-Butanone                | 4.700   | 43    | 268326   | 95.204   | ug/L   | 99       |
| 23) Bromochloromethane        | 4.973   | 128   | 84035    | 48.291   | ug/L   | 96       |
| 25) Chloroform                | 5.089   | 83    | 264870   | 47.970   | ug/L   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU042522\  
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 Operator : SY/MD  
 Sample : N2518-06MSD  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 35 Sample Multiplier: 1

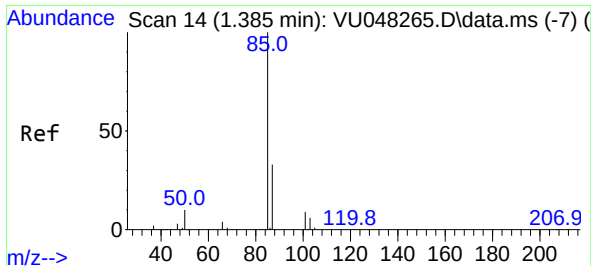
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXES2MSD

Quant Time: Apr 26 02:49:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMULM042522WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 26 02:41:26 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.793  | 62   | 215499   | 53.507  | ug/L  | 99       |
| 29) Cyclohexane               | 5.388  | 56   | 185279   | 50.348  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 5.317  | 97   | 213858   | 48.555  | ug/L  | 100      |
| 31) Carbon tetrachloride      | 5.523  | 117  | 178159   | 47.459  | ug/L  | 100      |
| 33) Benzene                   | 5.774  | 78   | 591075   | 51.257  | ug/L  | 100      |
| 34) Trichloroethene           | 6.542  | 95   | 138185   | 48.889  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.764  | 83   | 192501   | 48.510  | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.790  | 63   | 165130   | 50.331  | ug/L  | 100      |
| 38) Bromodichloromethane      | 7.105  | 83   | 201964   | 48.744  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.607  | 75   | 226048   | 48.997  | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.793  | 43   | 526091   | 106.314 | ug/L  | 100      |
| 42) Toluene                   | 7.970  | 91   | 630543   | 52.081  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.211  | 75   | 223016   | 49.482  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 8.401  | 97   | 174756   | 50.768  | ug/L  | 98       |
| 46) Tetrachloroethene         | 8.552  | 164  | 117865   | 48.588  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.687  | 43   | 447557   | 108.307 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.812  | 129  | 187065   | 49.455  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.925  | 107  | 178358   | 51.095  | ug/L  | 98       |
| 51) Chlorobenzene             | 9.446  | 112  | 423484   | 48.527  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.571  | 91   | 655125   | 52.250  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.693  | 106  | 258157   | 52.175  | ug/L  | 99       |
| 54) o-Xylene                  | 10.102 | 106  | 268435   | 53.854  | ug/L  | 99       |
| 55) Styrene                   | 10.115 | 104  | 463428   | 54.576  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 336204   | 49.488  | ug/L  | 100      |
| 59) Bromoform                 | 10.291 | 173  | 155618   | 48.835  | ug/L  | 100      |
| 60) 1,2,3-Trichloropropane    | 10.825 | 75   | 258307   | 50.428  | ug/L  | 99       |
| 61) Isopropylbenzene          | 10.484 | 105  | 658845   | 53.665  | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 348892   | 53.918  | ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 559143   | 56.204  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.745 | 146  | 349205   | 50.735  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.835 | 146  | 340896   | 48.514  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 12.214 | 146  | 357252   | 49.271  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.996 | 75   | 69661    | 50.943  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 13.217 | 180  | 247038   | 48.301  | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.841 | 180  | 200130   | 49.530  | ug/L  | 100      |
| 71) Naphthalene               | 14.086 | 128  | 680285   | 58.831  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 216019   | 52.167  | ug/L  | 99       |

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

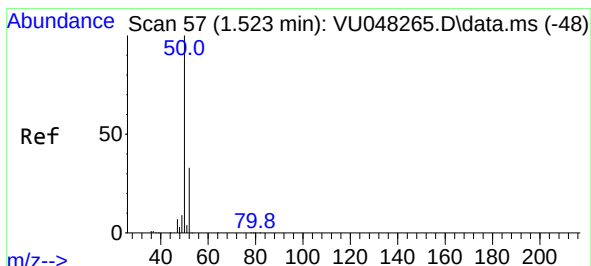
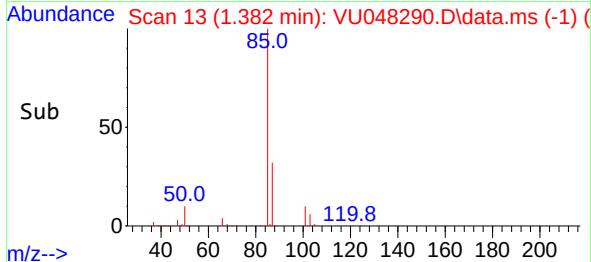
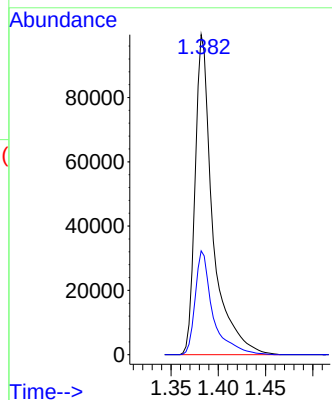
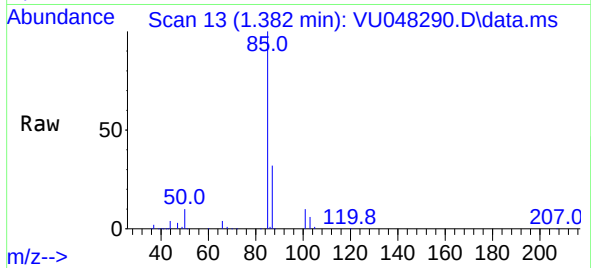




#2  
Dichlorodifluoromethane  
Concen: 45.170 ug/L  
RT: 1.382 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

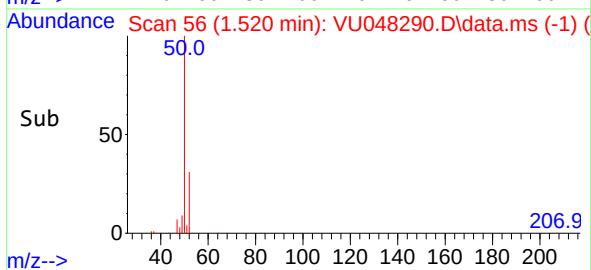
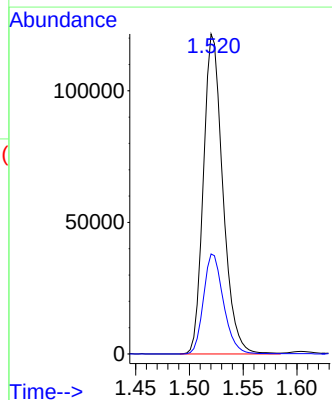
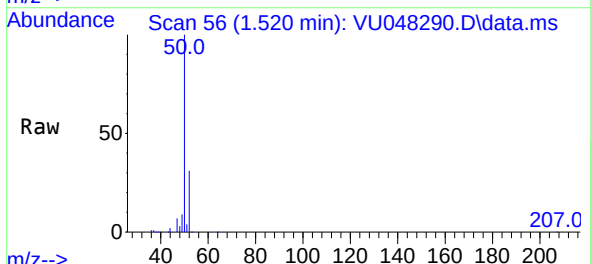
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

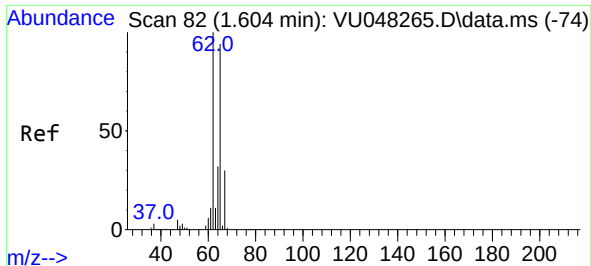
Tgt Ion: 85 Resp: 129201  
Ion Ratio Lower Upper  
85 100  
87 32.5 26.1 39.1



#3  
Chloromethane  
Concen: 46.791 ug/L  
RT: 1.520 min Scan# 56  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 50 Resp: 153186  
Ion Ratio Lower Upper  
50 100  
52 31.3 23.2 43.2

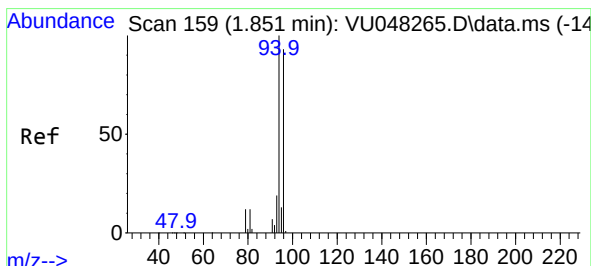
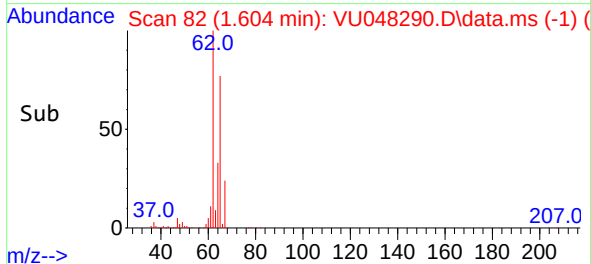
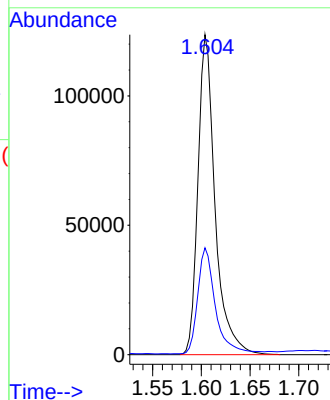
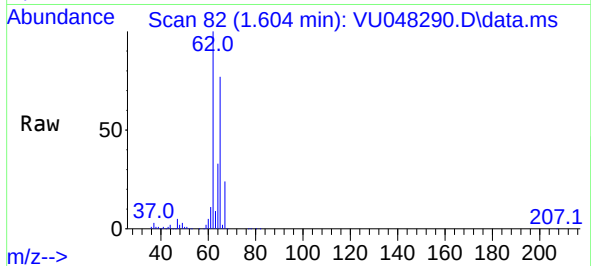




#5  
 Vinyl chloride  
 Concen: 45.839 ug/L  
 RT: 1.604 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VU048290.D  
 Acq: 26 Apr 2022 00:02

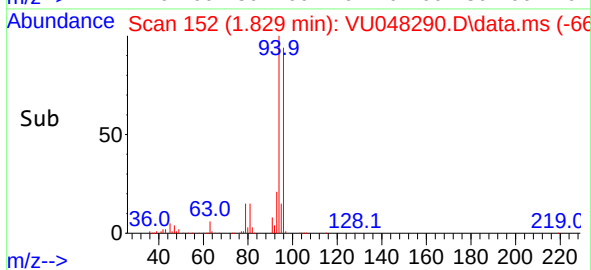
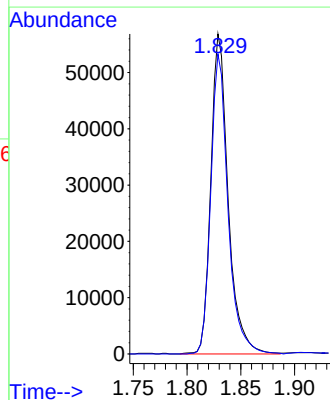
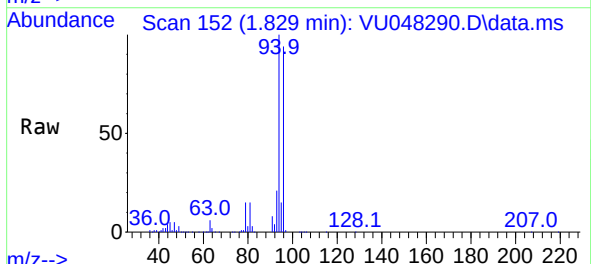
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXES2MSD

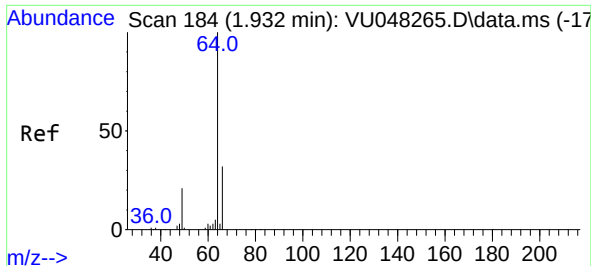
Tgt Ion: 62 Resp: 151229  
 Ion Ratio Lower Upper  
 62 100  
 64 33.4 22.5 41.7



#6  
 Bromomethane  
 Concen: 41.983 ug/L  
 RT: 1.829 min Scan# 152  
 Delta R.T. -0.023 min  
 Lab File: VU048290.D  
 Acq: 26 Apr 2022 00:02

Tgt Ion: 94 Resp: 63655  
 Ion Ratio Lower Upper  
 94 100  
 96 93.7 65.8 122.2

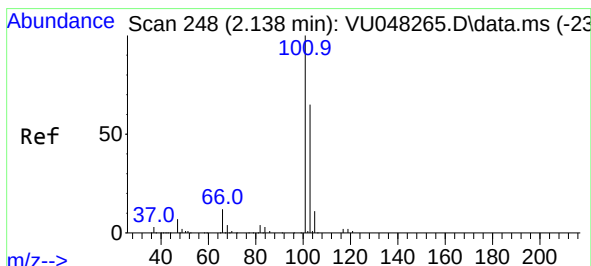
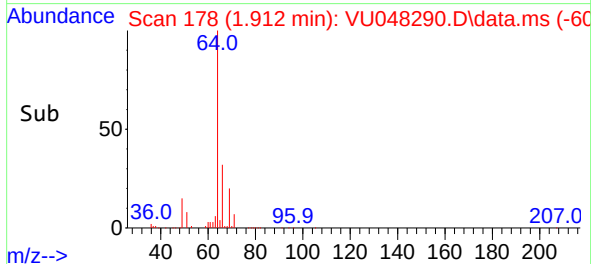
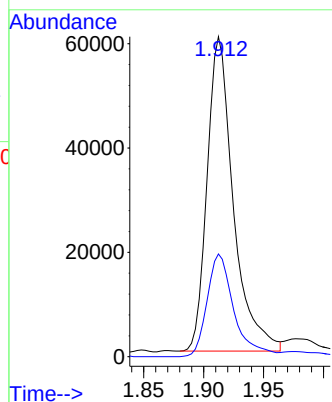
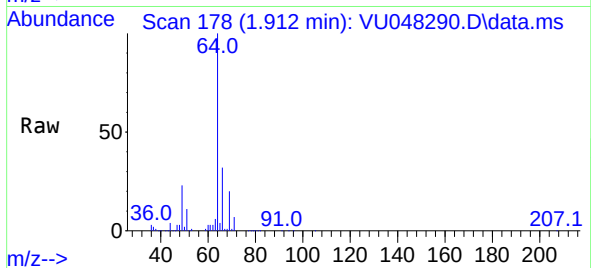




#8  
Chloroethane  
Concen: 49.102 ug/L  
RT: 1.912 min Scan# 11  
Delta R.T. -0.019 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

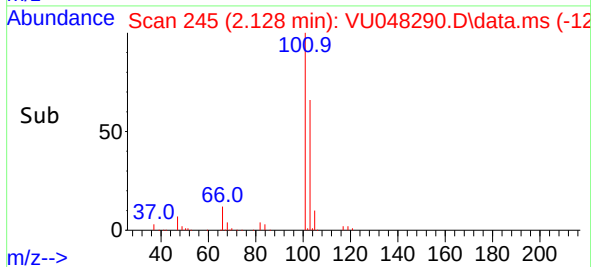
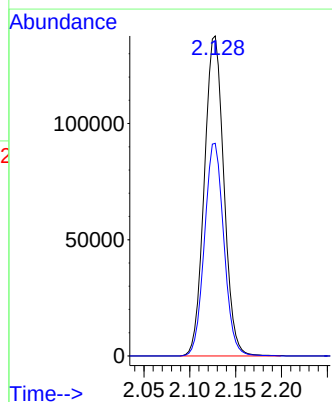
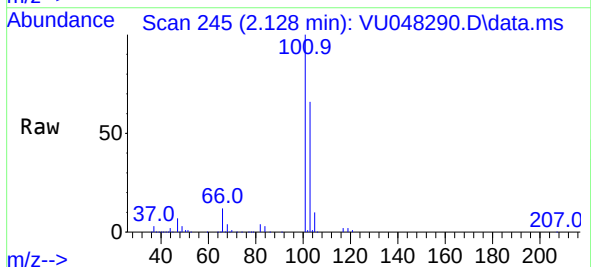
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

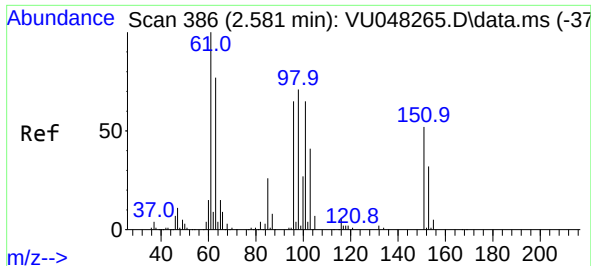
Tgt Ion: 64 Resp: 91597  
Ion Ratio Lower Upper  
64 100  
66 32.1 21.9 40.7



#9  
Trichlorofluoromethane  
Concen: 47.523 ug/L  
RT: 2.128 min Scan# 245  
Delta R.T. -0.010 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion:101 Resp: 204323  
Ion Ratio Lower Upper  
101 100  
103 66.0 51.9 77.9

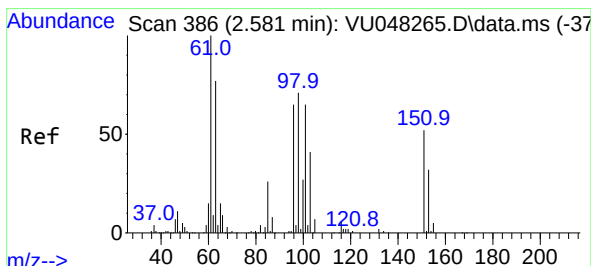
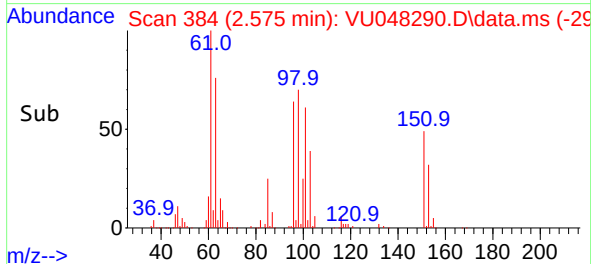
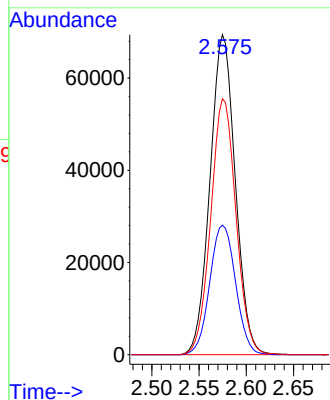
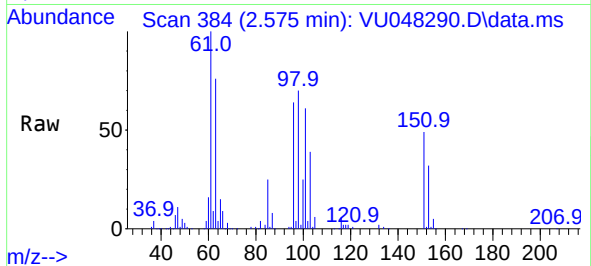




#10  
1,1,2-Trichloro-1,2,2-trifluoroethane  
Concen: 45.337 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.006 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

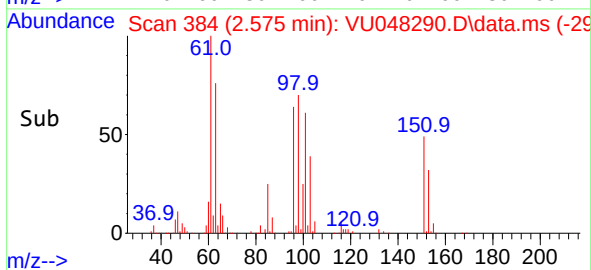
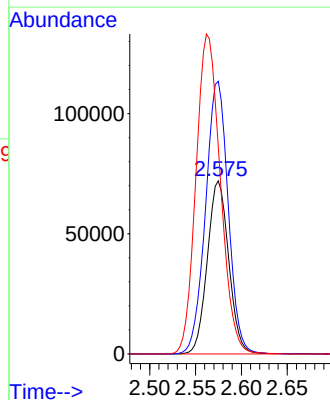
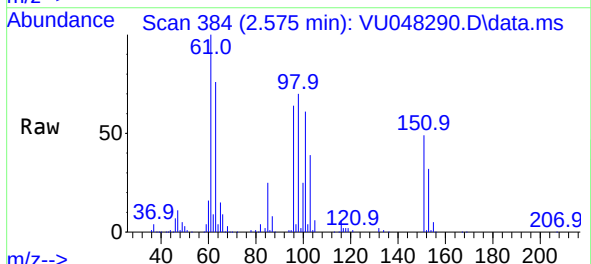
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

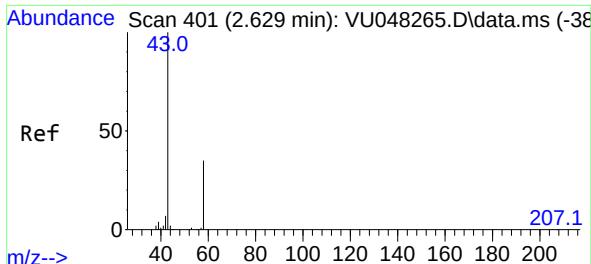
Tgt Ion:101 Resp: 129282  
Ion Ratio Lower Upper  
101 100  
85 41.4 32.6 48.8  
151 79.9 64.1 96.1



#12  
1,1-Dichloroethene  
Concen: 46.980 ug/L  
RT: 2.575 min Scan# 384  
Delta R.T. -0.006 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 96 Resp: 116938  
Ion Ratio Lower Upper  
96 100  
61 157.4 107.9 200.3  
63 120.0 80.3 149.1





#13

Acetone

Concen: 84.169 ug/L

RT: 2.626 min Scan# 401

Delta R.T. -0.003 min

Lab File: VU048290.D

Acq: 26 Apr 2022 00:02

Instrument :

MSVOA\_U

ClientSampleId :

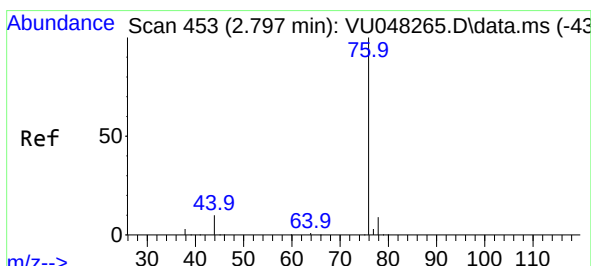
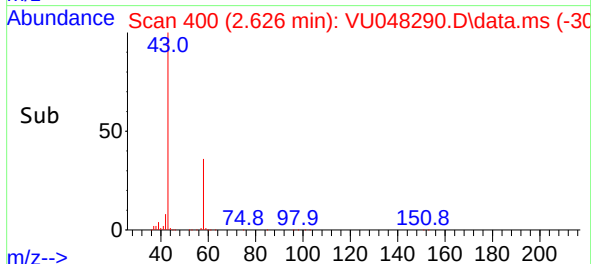
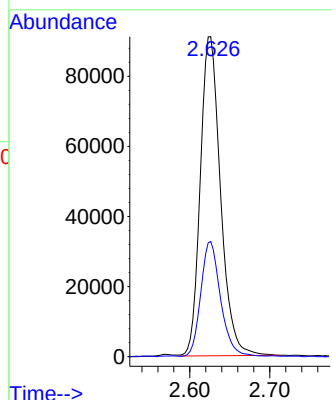
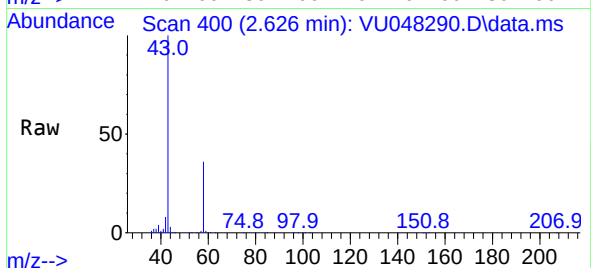
EXES2MSD

Tgt Ion: 43 Resp: 160424

Ion Ratio Lower Upper

43 100

58 35.5 0.0 71.2



#14

Carbon disulfide

Concen: 45.993 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.006 min

Lab File: VU048290.D

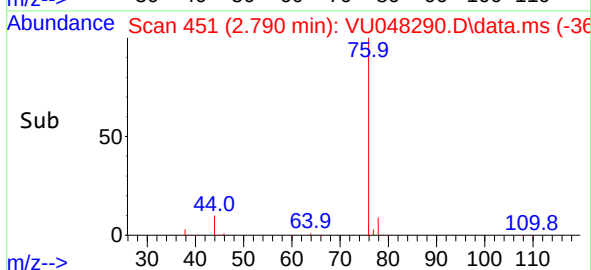
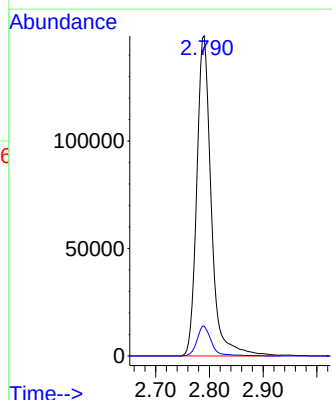
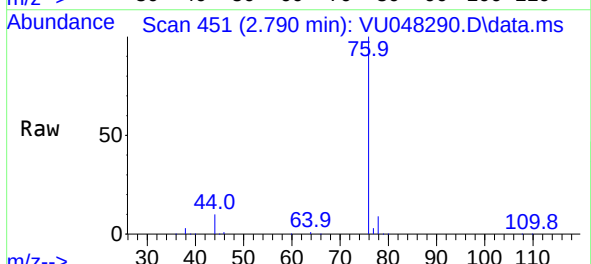
Acq: 26 Apr 2022 00:02

Tgt Ion: 76 Resp: 279012

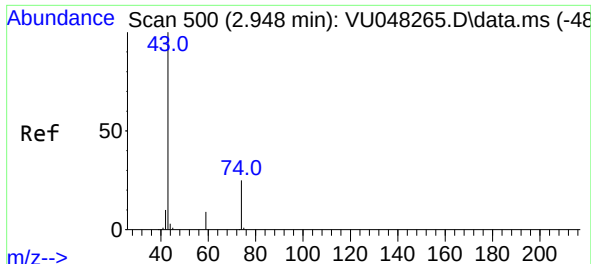
Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2



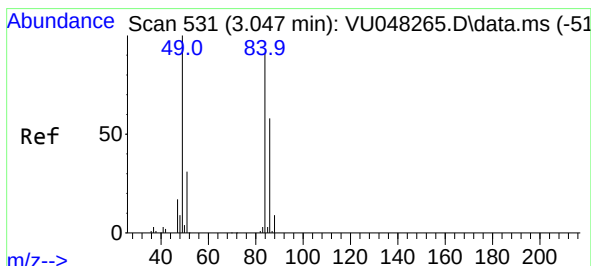
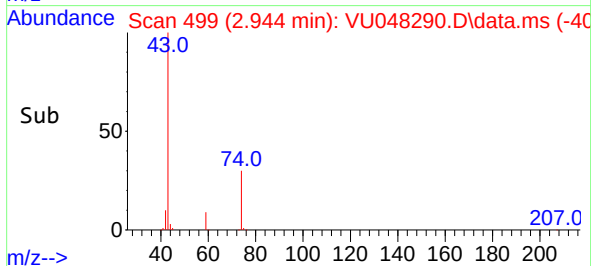
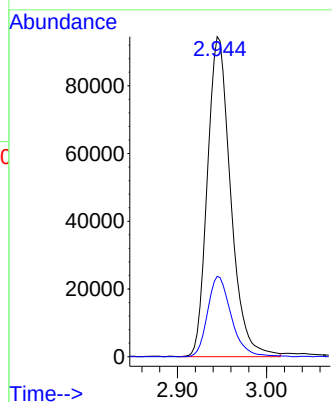
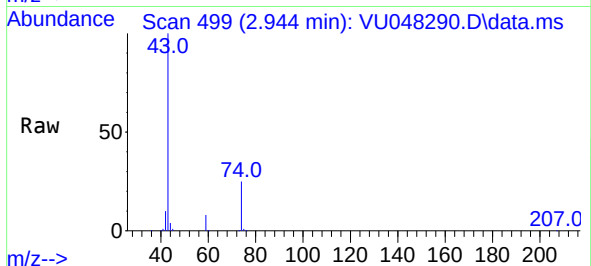




#15  
Methyl Acetate  
Concen: 45.298 ug/L  
RT: 2.944 min Scan# 499  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

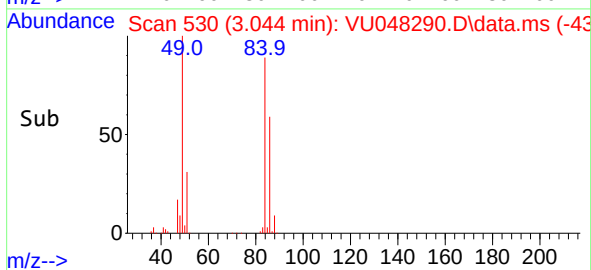
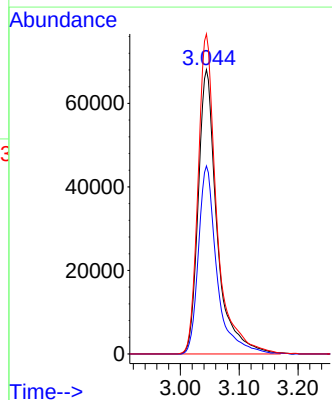
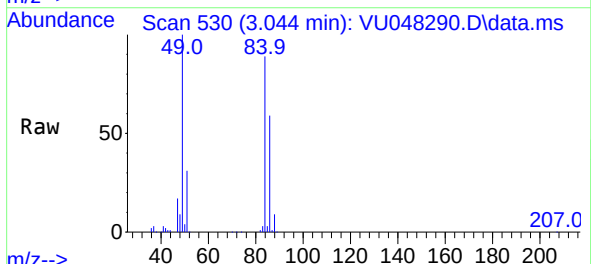
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

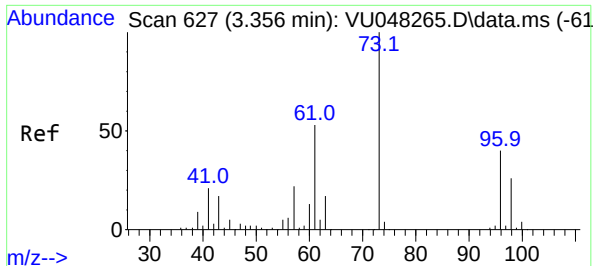
Tgt Ion: 43 Resp: 171385  
Ion Ratio Lower Upper  
43 100  
74 25.5 21.0 31.6



#16  
Methylene chloride  
Concen: 47.119 ug/L  
RT: 3.044 min Scan# 530  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 84 Resp: 151207  
Ion Ratio Lower Upper  
84 100  
86 66.2 45.4 84.2  
49 112.6 79.2 147.0

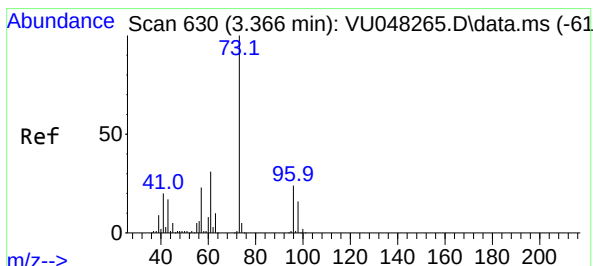
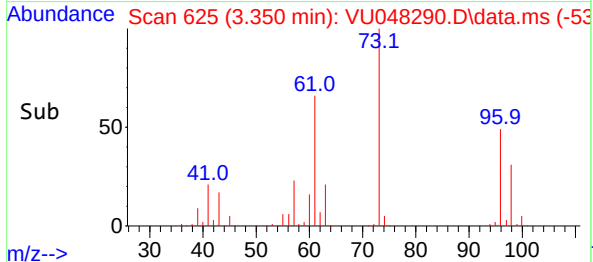
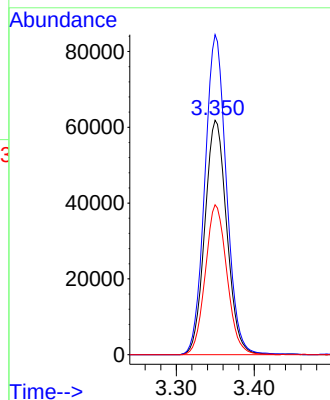
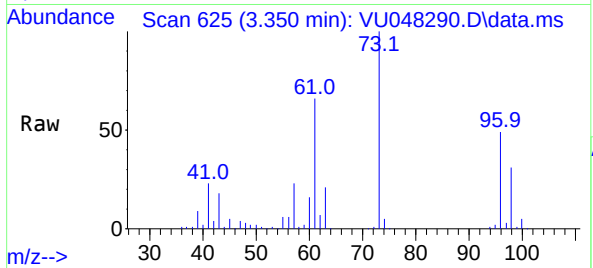




#17  
trans-1,2-Dichloroethene  
Concen: 46.841 ug/L  
RT: 3.350 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

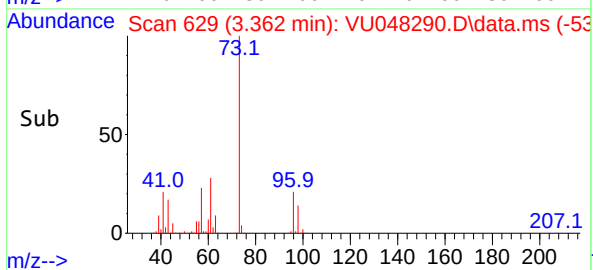
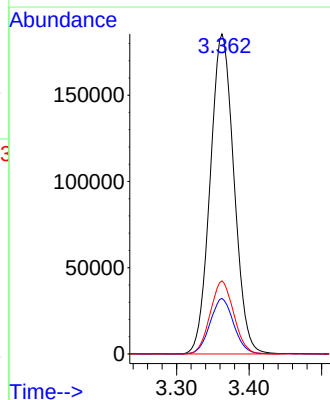
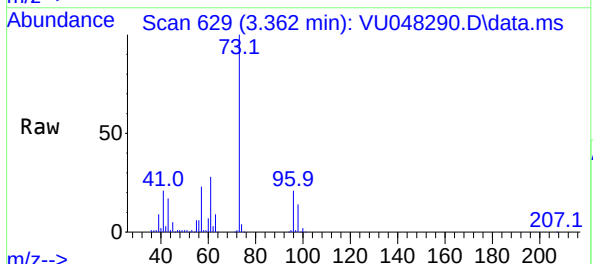
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

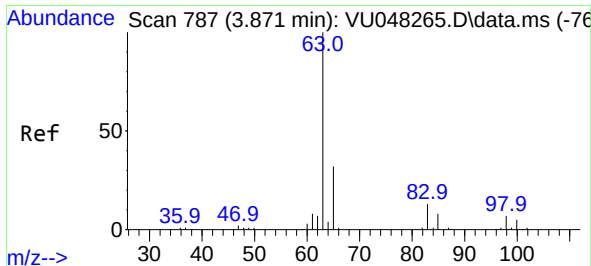
Tgt Ion: 96 Resp: 121120  
Ion Ratio Lower Upper  
96 100  
61 136.5 95.2 176.8  
98 64.0 44.7 83.1



#18  
Methyl tert-butyl Ether  
Concen: 49.535 ug/L  
RT: 3.362 min Scan# 629  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 73 Resp: 422614  
Ion Ratio Lower Upper  
73 100  
43 17.2 13.8 20.6  
57 22.6 17.9 26.9

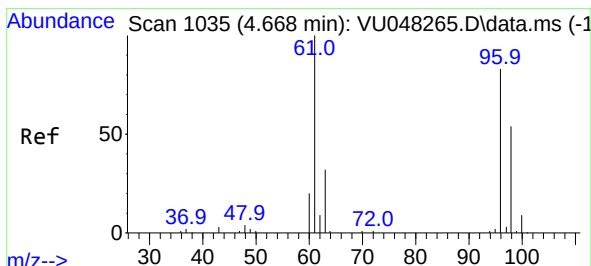
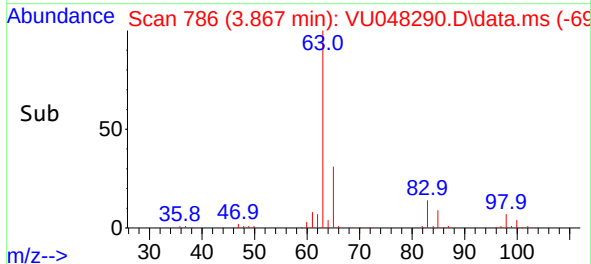
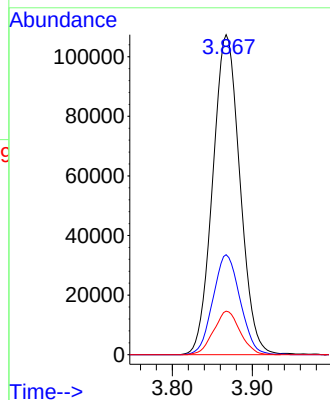
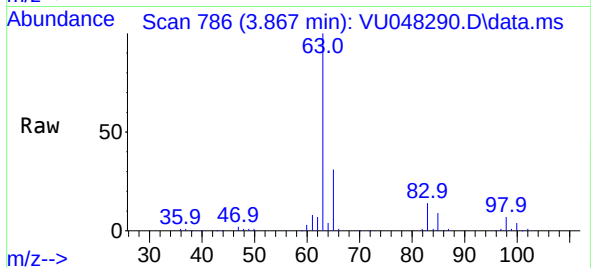




#19  
1,1-Dichloroethane  
Concen: 46.926 ug/L  
RT: 3.867 min Scan# 71  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

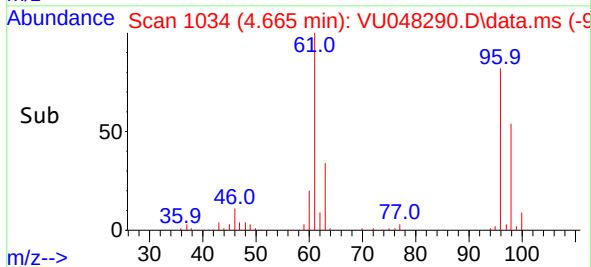
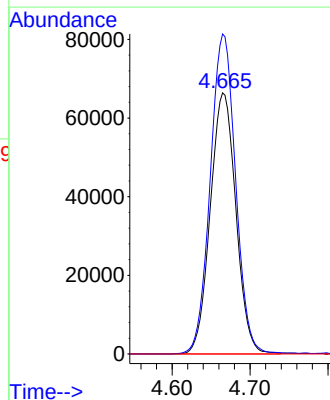
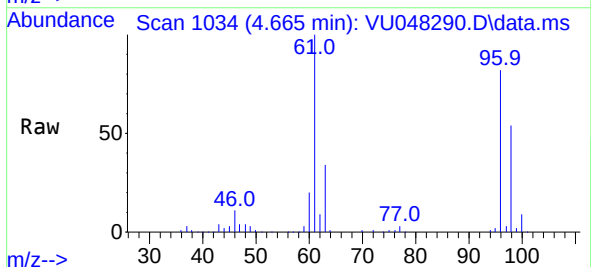
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

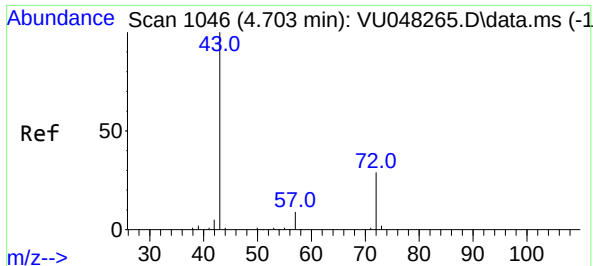
Tgt Ion: 63 Resp: 253740  
Ion Ratio Lower Upper  
63 100  
65 31.2 22.0 40.8  
83 13.6 8.8 16.4



#20  
cis-1,2-Dichloroethene  
Concen: 48.690 ug/L  
RT: 4.665 min Scan# 1034  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 96 Resp: 151761  
Ion Ratio Lower Upper  
96 100  
61 122.6 87.0 161.6  
68 0.0 0.0 0.0

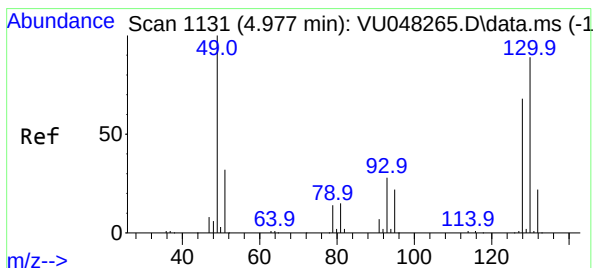
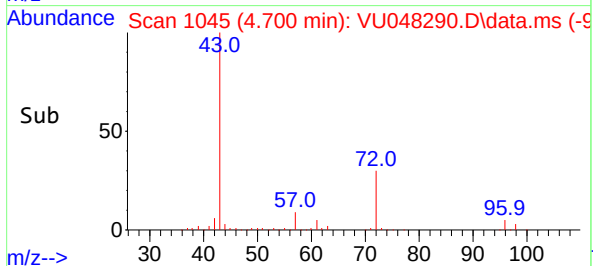
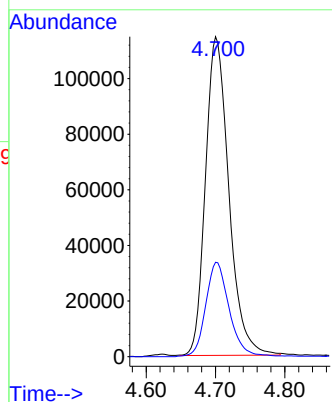
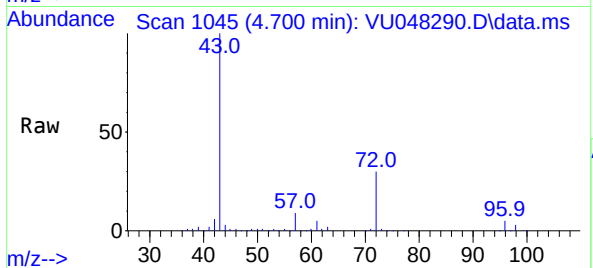




#22  
2-Butanone  
Concen: 95.204 ug/L  
RT: 4.700 min Scan# 110  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

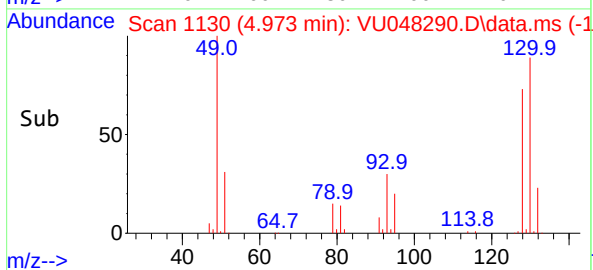
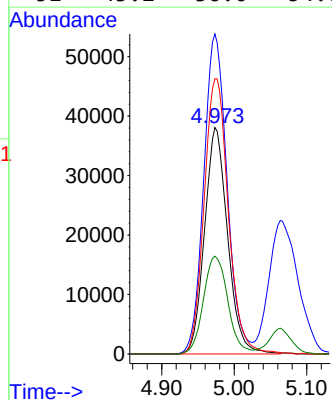
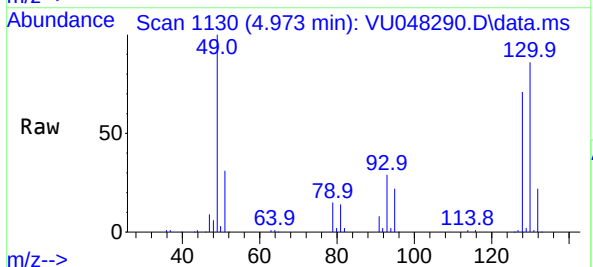
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

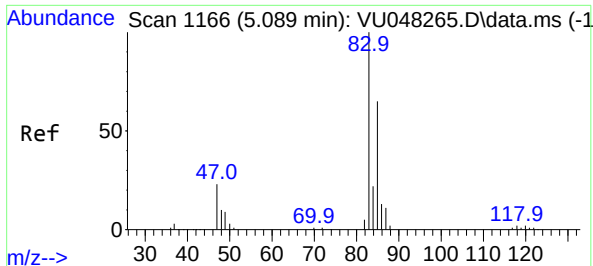
Tgt Ion: 43 Resp: 268326  
Ion Ratio Lower Upper  
43 100  
72 29.8 14.6 43.8



#23  
Bromochloromethane  
Concen: 48.291 ug/L  
RT: 4.973 min Scan# 1130  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion:128 Resp: 84035  
Ion Ratio Lower Upper  
128 100  
49 141.4 101.3 188.1  
130 121.6 89.0 165.2  
51 43.2 36.0 54.0

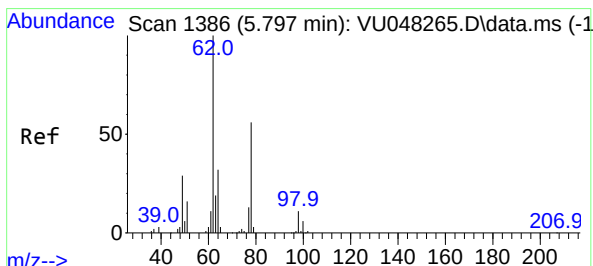
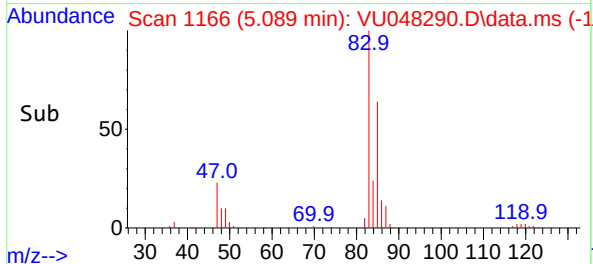
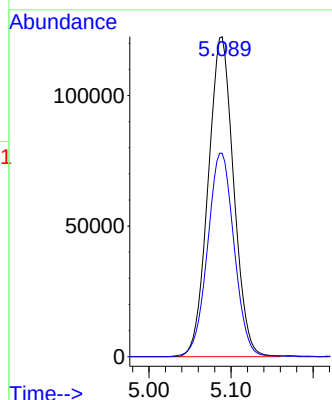
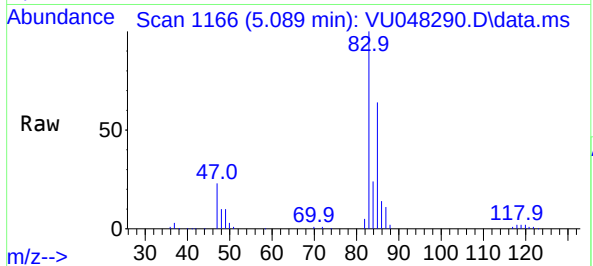




#25  
Chloroform  
Concen: 47.970 ug/L  
RT: 5.089 min Scan# 1166  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

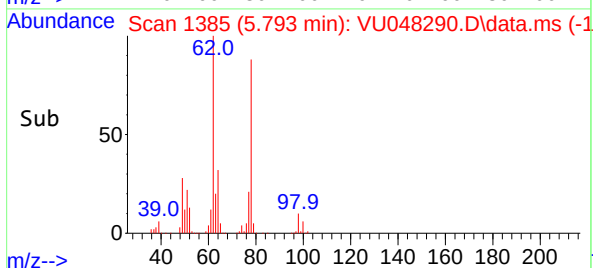
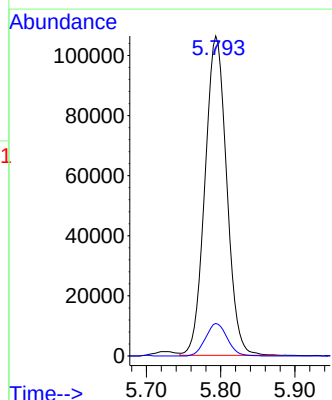
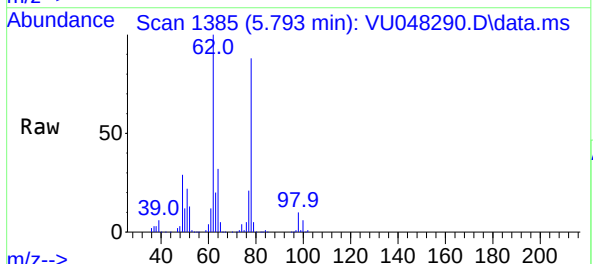
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

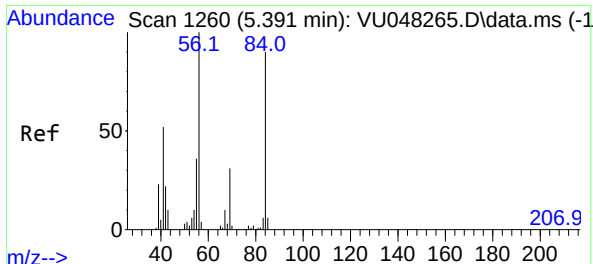
Tgt Ion: 83 Resp: 264870  
Ion Ratio Lower Upper  
83 100  
85 63.6 45.7 84.9



#27  
1,2-Dichloroethane  
Concen: 53.507 ug/L  
RT: 5.793 min Scan# 1385  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 62 Resp: 215499  
Ion Ratio Lower Upper  
62 100  
98 10.2 8.5 12.7





#29

Cyclohexane

Concen: 50.348 ug/L

RT: 5.388 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU048290.D

Acq: 26 Apr 2022 00:02

Instrument :

MSVOA\_U

ClientSampleId :

EXES2MSD

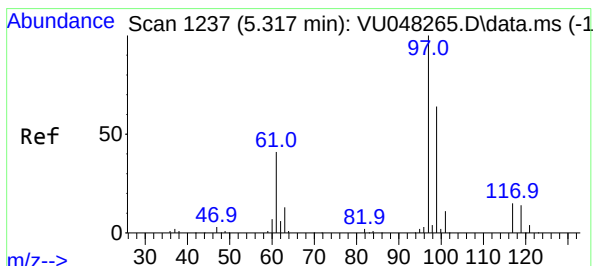
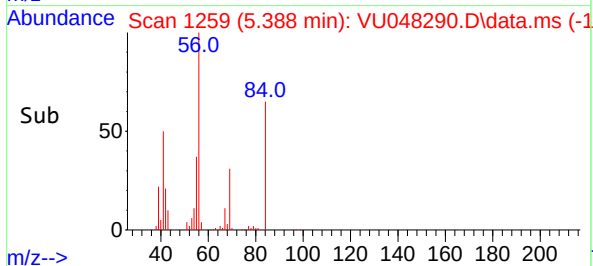
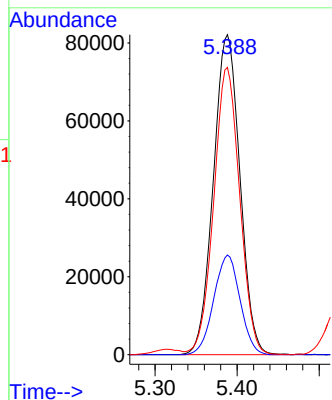
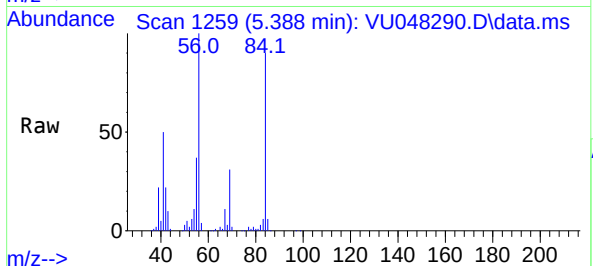
Tgt Ion: 56 Resp: 185279

Ion Ratio Lower Upper

56 100

69 30.8 24.2 36.4

84 87.8 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 48.555 ug/L

RT: 5.317 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VU048290.D

Acq: 26 Apr 2022 00:02

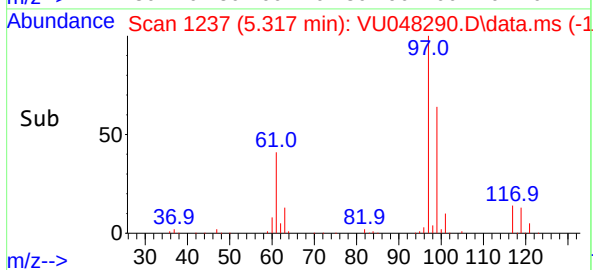
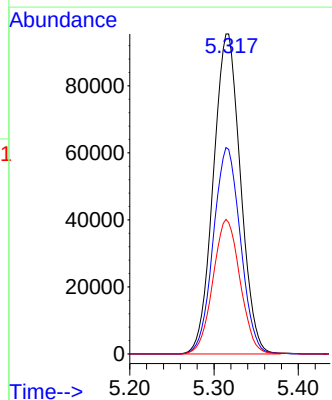
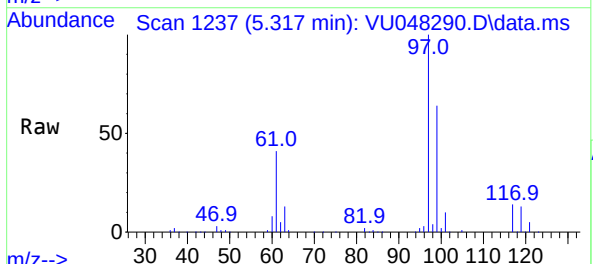
Tgt Ion: 97 Resp: 213858

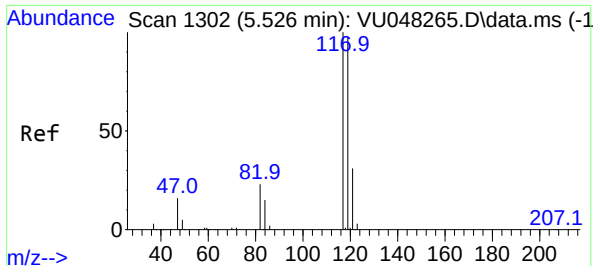
Ion Ratio Lower Upper

97 100

99 64.5 51.8 77.8

61 42.1 33.9 50.9

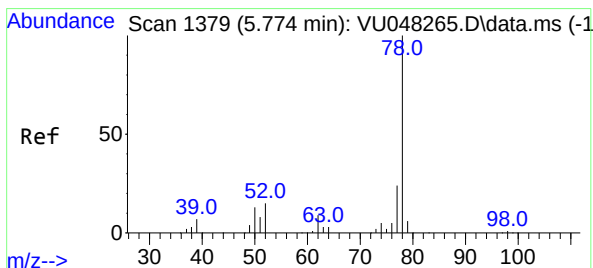
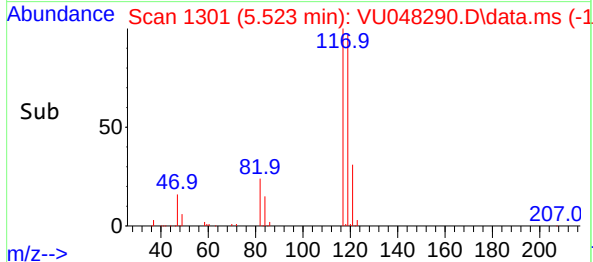
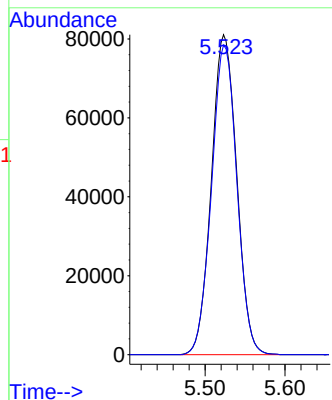
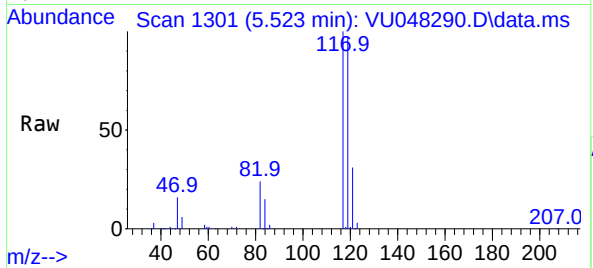




#31  
Carbon tetrachloride  
Concen: 47.459 ug/L  
RT: 5.523 min Scan# 117  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

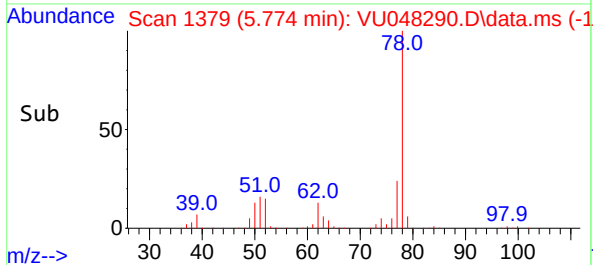
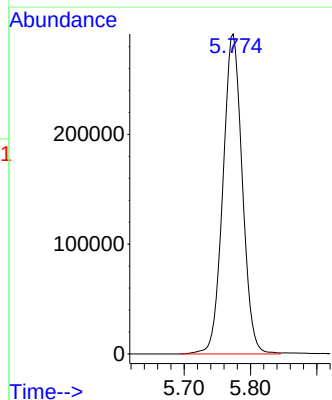
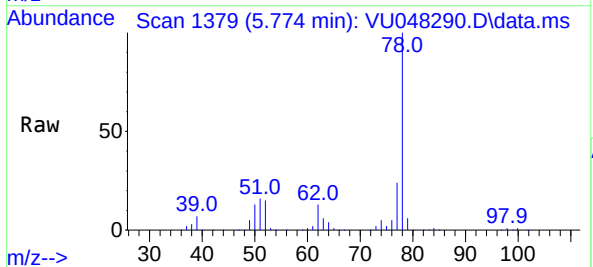
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

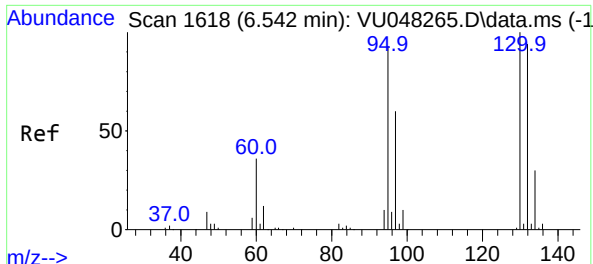
Tgt Ion:117 Resp: 178159  
Ion Ratio Lower Upper  
117 100  
119 96.8 77.1 115.7



#33  
Benzene  
Concen: 51.257 ug/L  
RT: 5.774 min Scan# 1379  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 78 Resp: 591075

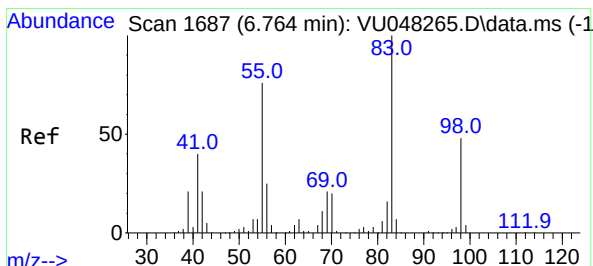
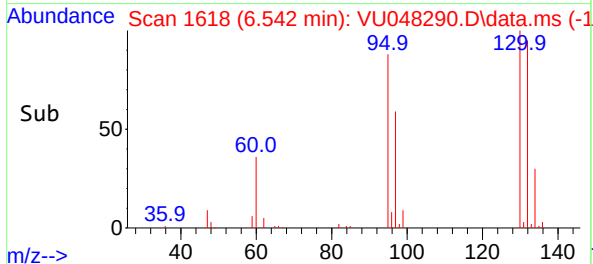
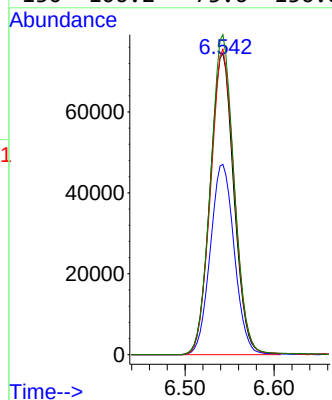
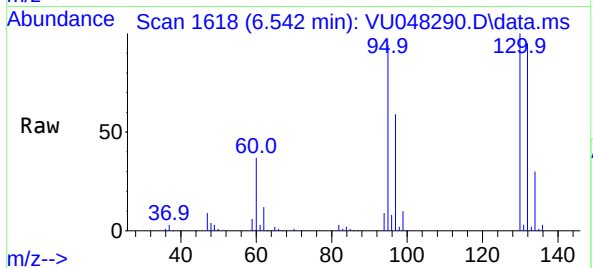




#34  
Trichloroethene  
Concen: 48.889 ug/L  
RT: 6.542 min Scan# 1618  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

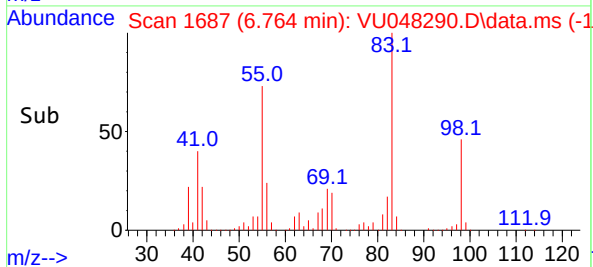
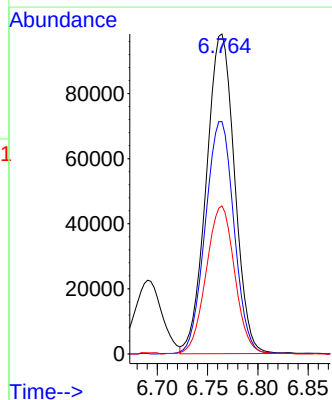
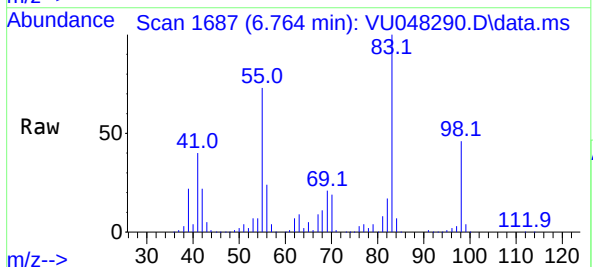
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

Tgt Ion: 95 Resp: 138185  
Ion Ratio Lower Upper  
95 100  
97 63.1 45.8 85.2  
132 101.3 71.6 133.0  
130 106.2 73.6 136.8

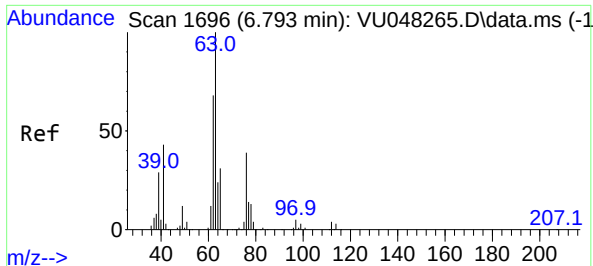


#35  
Methylcyclohexane  
Concen: 48.510 ug/L  
RT: 6.764 min Scan# 1687  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 83 Resp: 192501  
Ion Ratio Lower Upper  
83 100  
55 73.9 59.4 89.2  
98 46.4 37.3 55.9



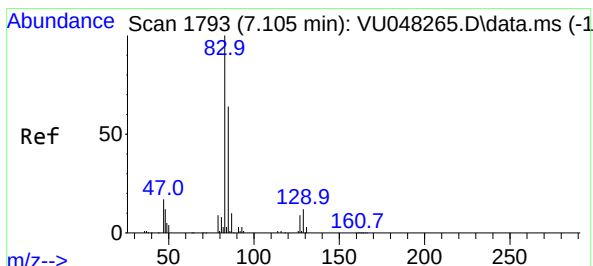
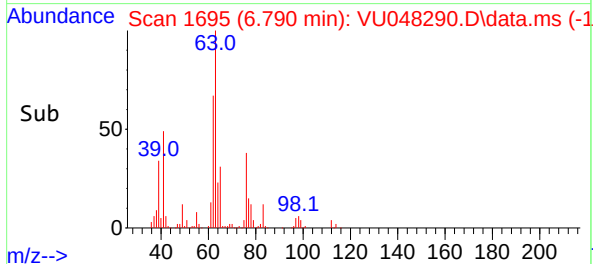
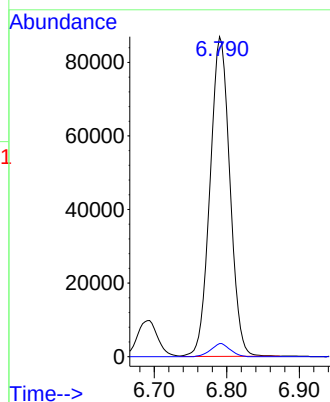
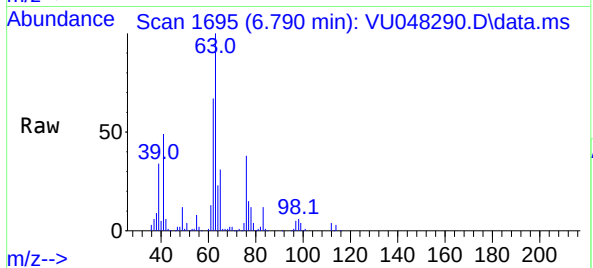




#37  
1,2-Dichloropropane  
Concen: 50.331 ug/L  
RT: 6.790 min Scan# 1  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

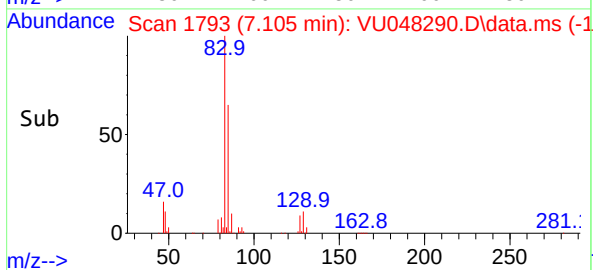
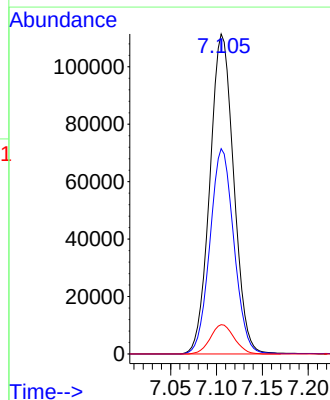
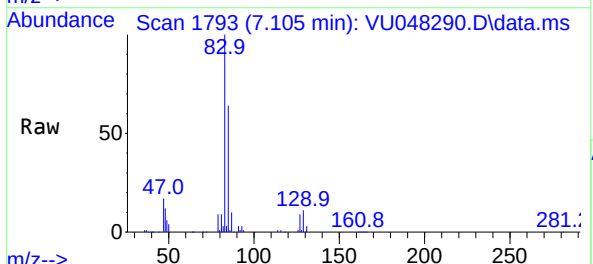
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

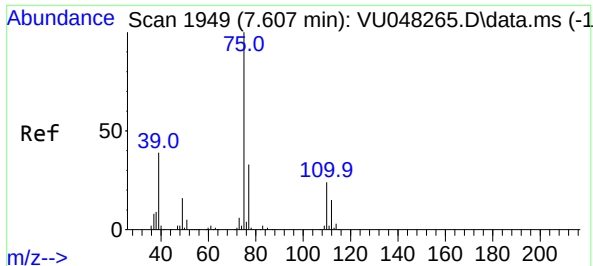
Tgt Ion: 63 Resp: 165130  
Ion Ratio Lower Upper  
63 100  
112 4.0 3.1 4.7



#38  
Bromodichloromethane  
Concen: 48.744 ug/L  
RT: 7.105 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 83 Resp: 201964  
Ion Ratio Lower Upper  
83 100  
85 64.2 45.3 84.1  
127 9.2 7.2 10.8

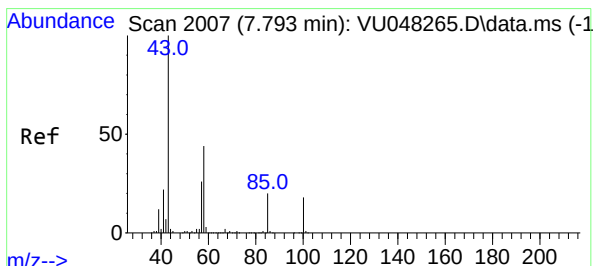
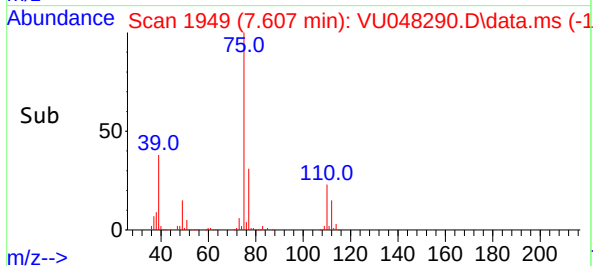
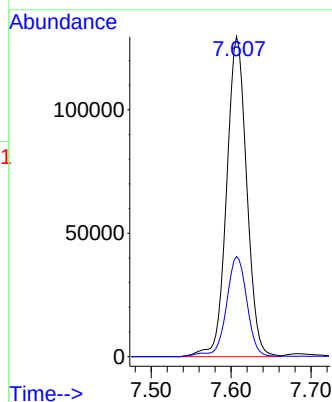
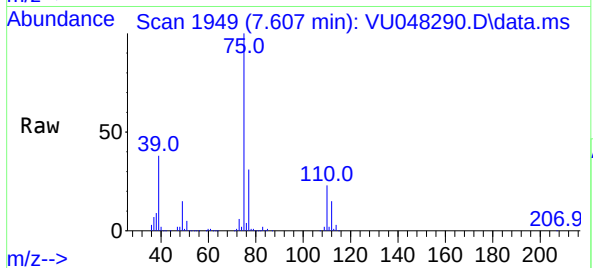




#39  
 cis-1,3-Dichloropropene  
 Concen: 48.997 ug/L  
 RT: 7.607 min Scan# 1949  
 Delta R.T. -0.000 min  
 Lab File: VU048290.D  
 Acq: 26 Apr 2022 00:02

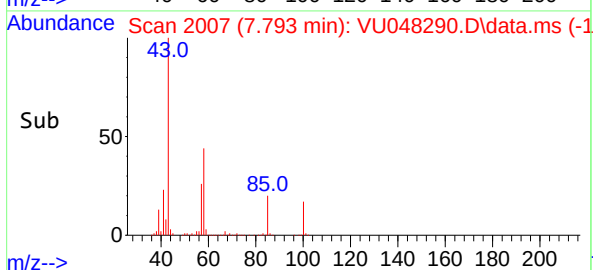
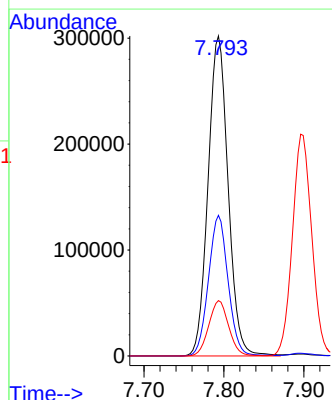
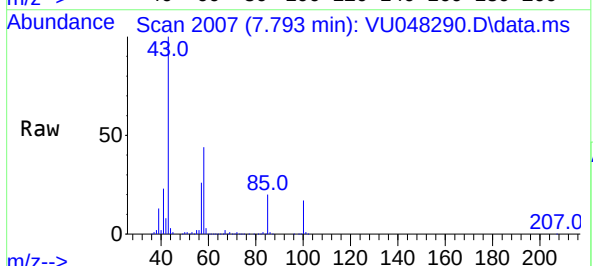
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 EXES2MSD

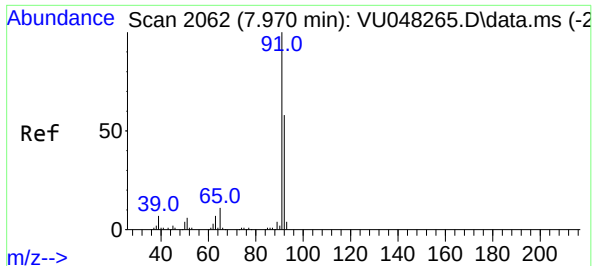
Tgt Ion: 75 Resp: 226048  
 Ion Ratio Lower Upper  
 75 100  
 77 31.3 22.0 41.0



#40  
 4-Methyl-2-pentanone  
 Concen: 106.314 ug/L  
 RT: 7.793 min Scan# 2007  
 Delta R.T. -0.000 min  
 Lab File: VU048290.D  
 Acq: 26 Apr 2022 00:02

Tgt Ion: 43 Resp: 526091  
 Ion Ratio Lower Upper  
 43 100  
 58 43.0 34.4 51.6  
 100 17.2 13.6 20.4





#42

Toluene

Concen: 52.081 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU048290.D

Acq: 26 Apr 2022 00:02

Instrument :

MSVOA\_U

ClientSampleId :

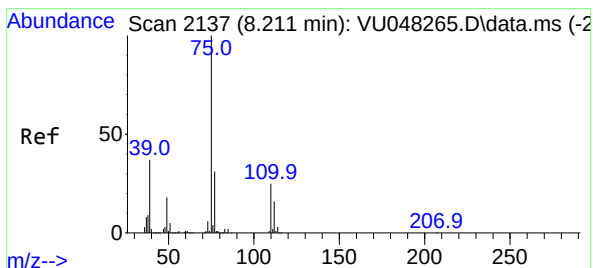
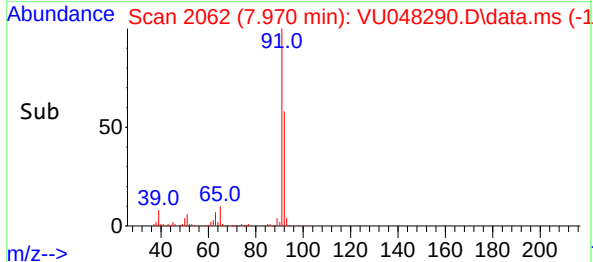
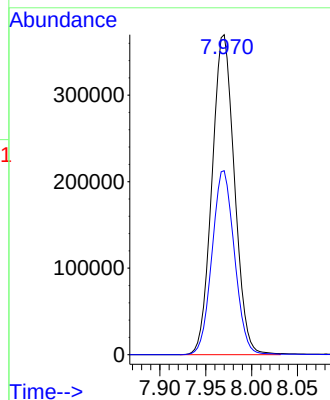
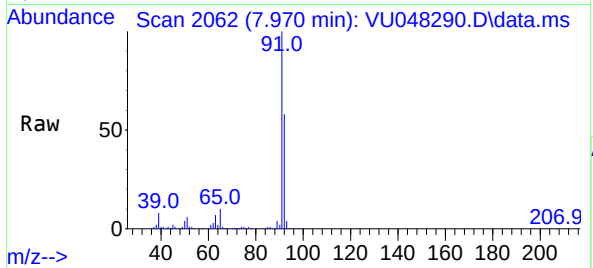
EXES2MSD

Tgt Ion: 91 Resp: 630543

Ion Ratio Lower Upper

91 100

92 57.5 40.9 76.0



#44

trans-1,3-Dichloropropene

Concen: 49.482 ug/L

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU048290.D

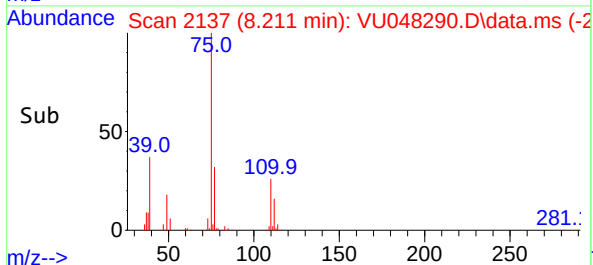
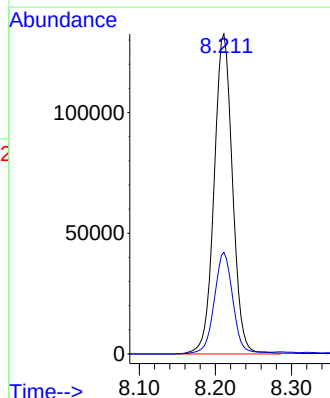
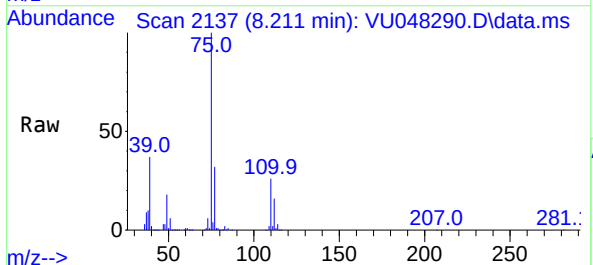
Acq: 26 Apr 2022 00:02

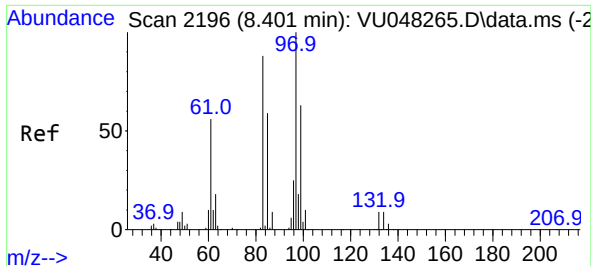
Tgt Ion: 75 Resp: 223016

Ion Ratio Lower Upper

75 100

77 31.8 22.1 41.1



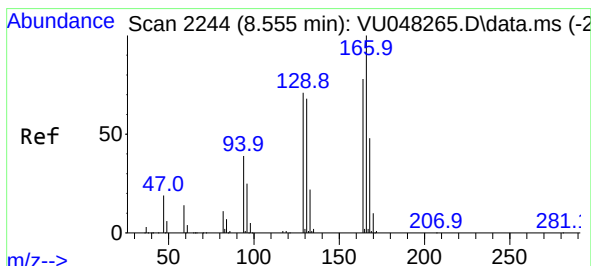
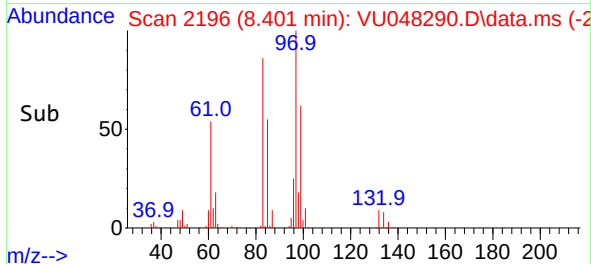
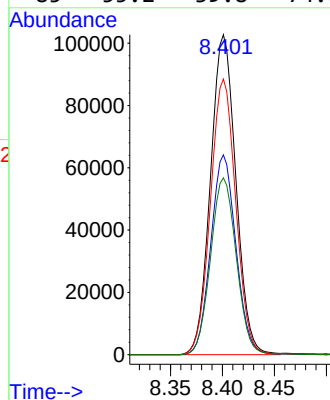
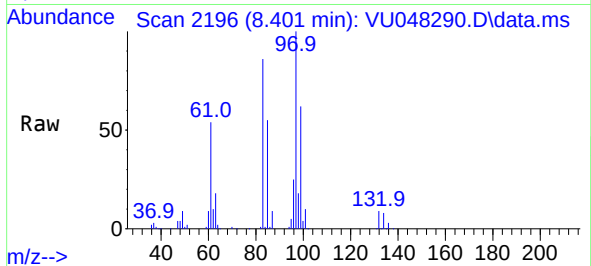


#45  
1,1,2-Trichloroethane  
Concen: 50.768 ug/L  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

Tgt Ion: 97 Resp: 174756

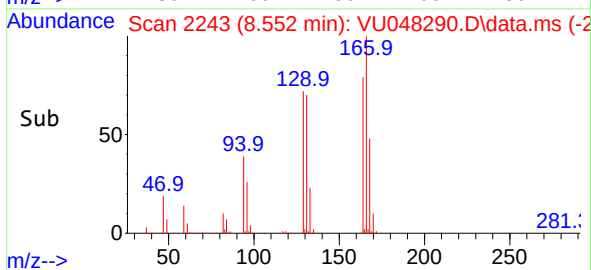
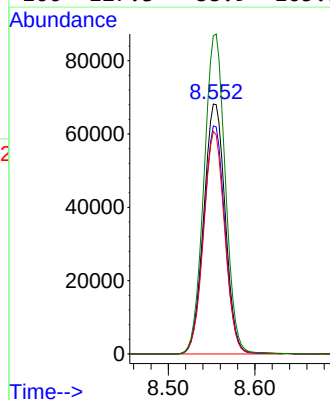
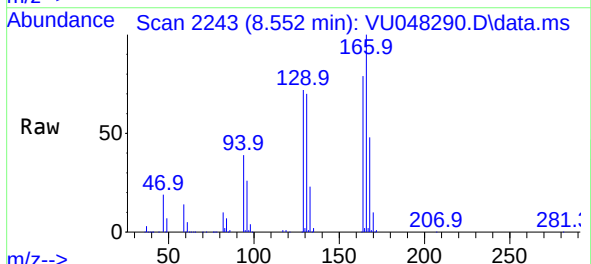
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 62.5  | 43.7  | 81.1  |
| 83  | 86.2  | 62.6  | 116.2 |
| 85  | 55.2  | 39.8  | 74.0  |

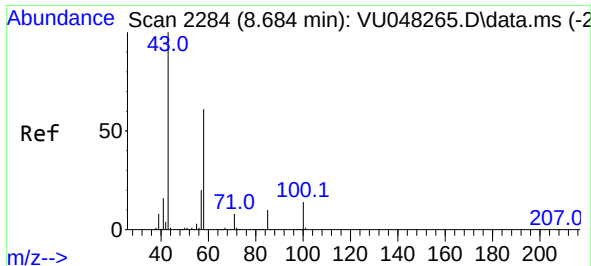


#46  
Tetrachloroethene  
Concen: 48.588 ug/L  
RT: 8.552 min Scan# 2243  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 164 Resp: 117865

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 91.2  | 63.3  | 117.7 |
| 131 | 89.0  | 61.2  | 113.6 |
| 166 | 127.3 | 88.9  | 165.1 |

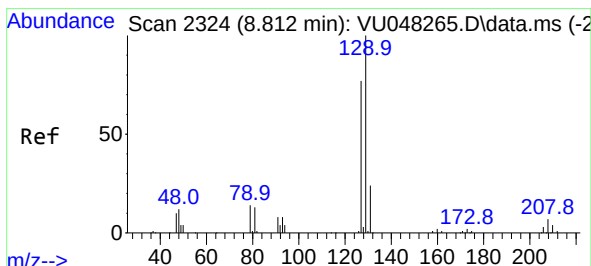
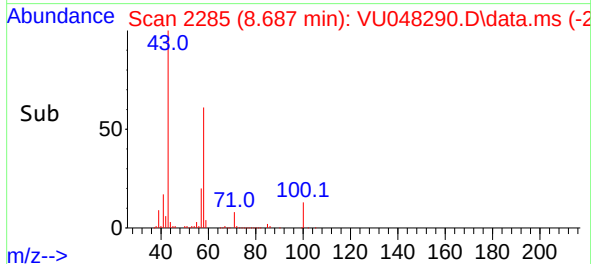
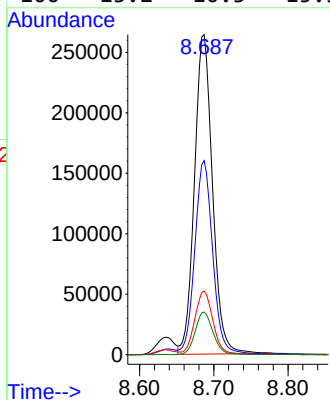
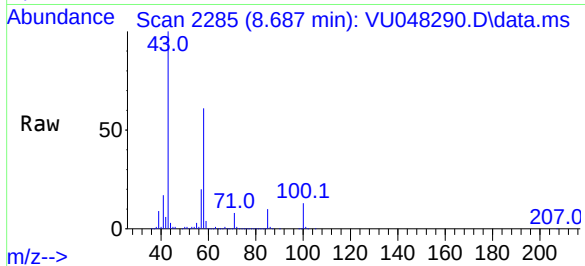




#48  
2-Hexanone  
Concen: 108.307 ug/L  
RT: 8.687 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

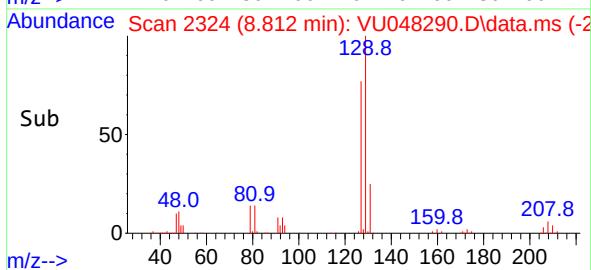
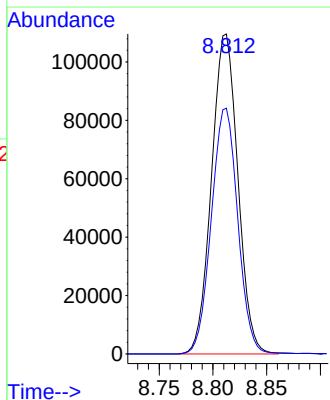
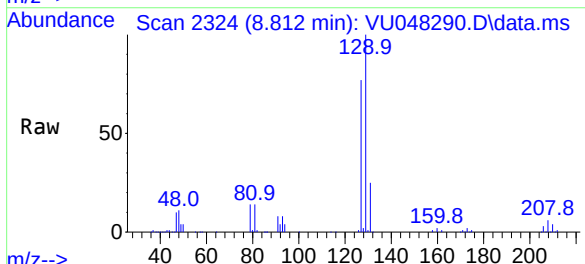
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

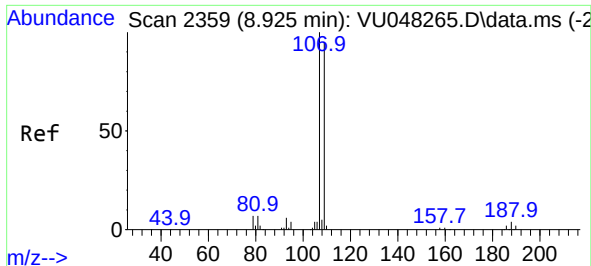
Tgt Ion: 43 Resp: 447557  
Ion Ratio Lower Upper  
43 100  
58 60.2 48.1 72.1  
57 20.0 16.2 24.4  
100 13.2 10.3 15.5



#49  
Dibromochloromethane  
Concen: 49.455 ug/L  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 129 Resp: 187065  
Ion Ratio Lower Upper  
129 100  
127 76.8 53.8 99.8

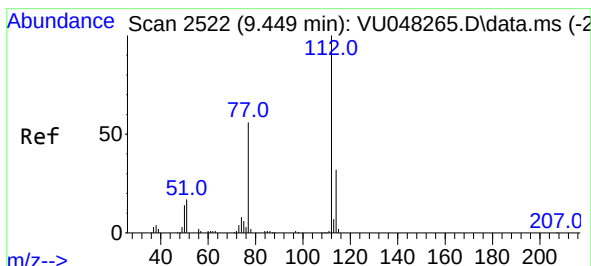
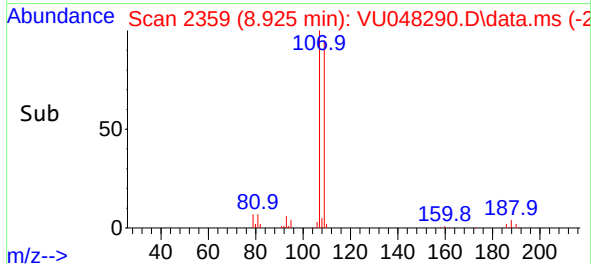
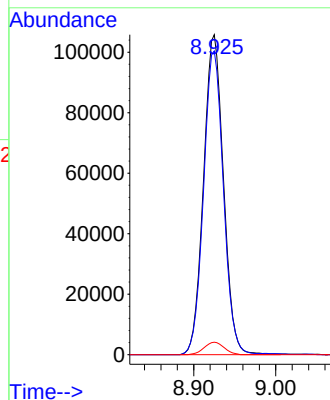
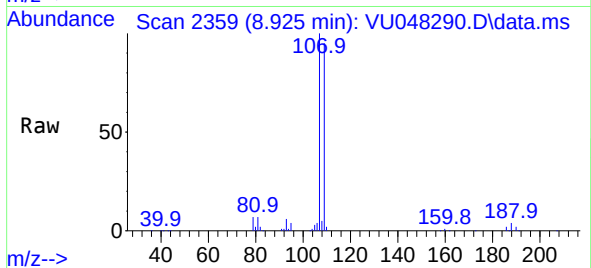




#50  
1,2-Dibromoethane  
Concen: 51.095 ug/L  
RT: 8.925 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

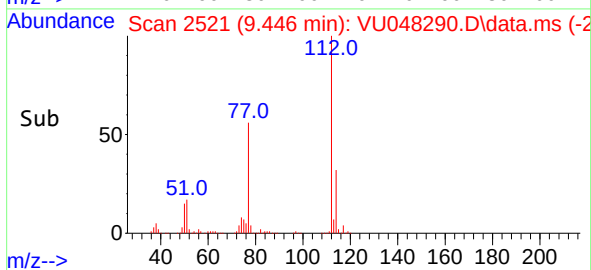
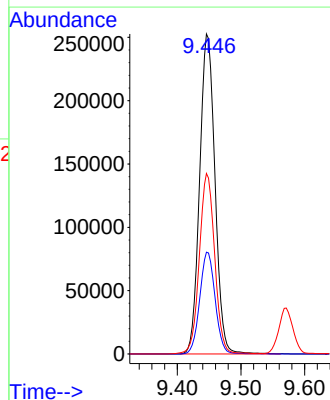
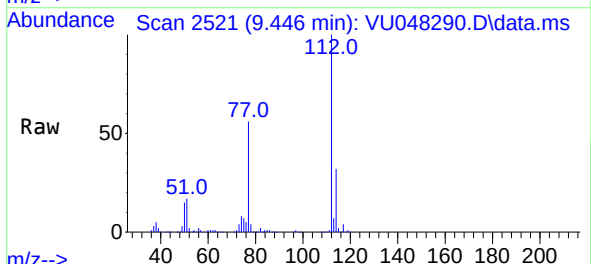
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

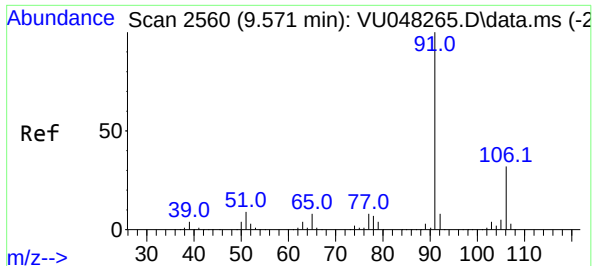
Tgt Ion:107 Resp: 178358  
Ion Ratio Lower Upper  
107 100  
109 94.9 65.0 120.8  
188 3.9 3.1 4.7



#51  
Chlorobenzene  
Concen: 48.527 ug/L  
RT: 9.446 min Scan# 2521  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion:112 Resp: 423484  
Ion Ratio Lower Upper  
112 100  
114 31.8 22.7 42.1  
77 56.4 44.3 66.5

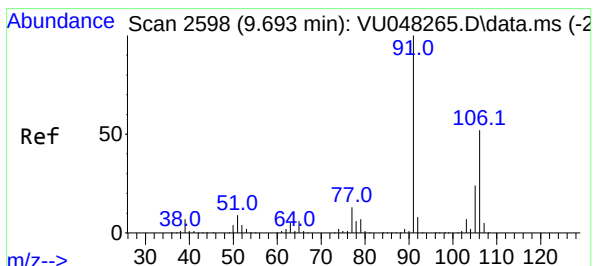
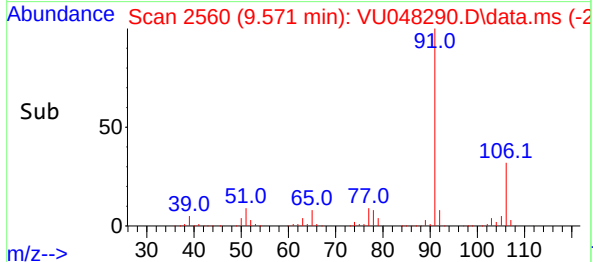
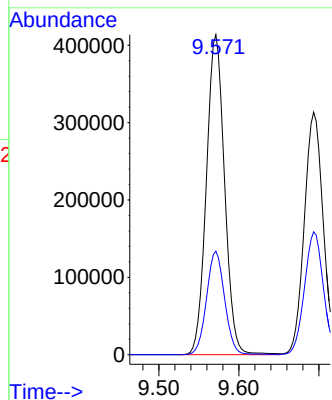
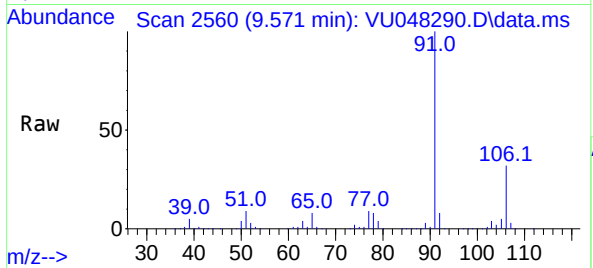




#52  
Ethylbenzene  
Concen: 52.250 ug/L  
RT: 9.571 min Scan# 2560  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

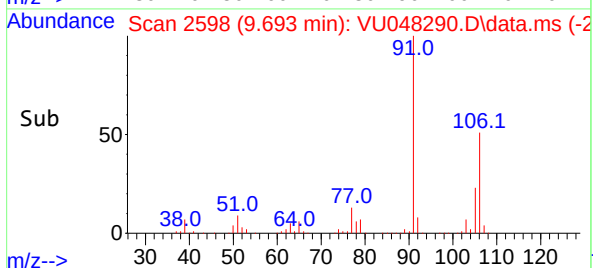
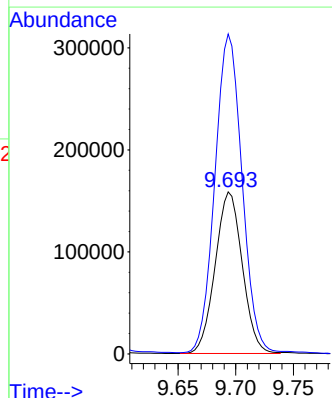
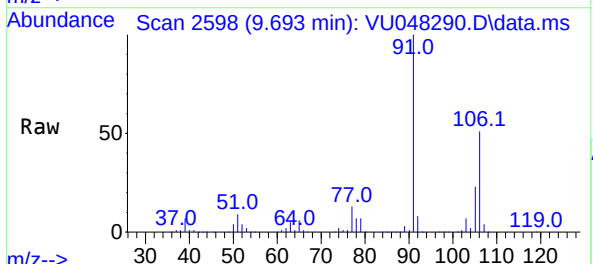
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

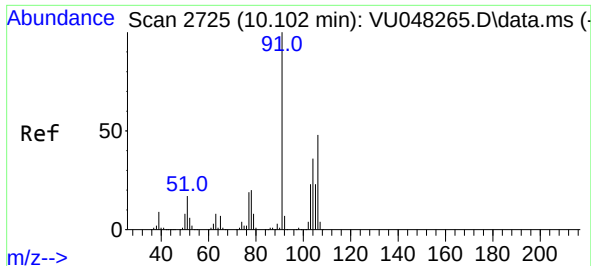
Tgt Ion: 91 Resp: 655125  
Ion Ratio Lower Upper  
91 100  
106 32.3 22.5 41.9



#53  
m,p-Xylene  
Concen: 52.175 ug/L  
RT: 9.693 min Scan# 2598  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 106 Resp: 258157  
Ion Ratio Lower Upper  
106 100  
91 197.5 137.4 255.2

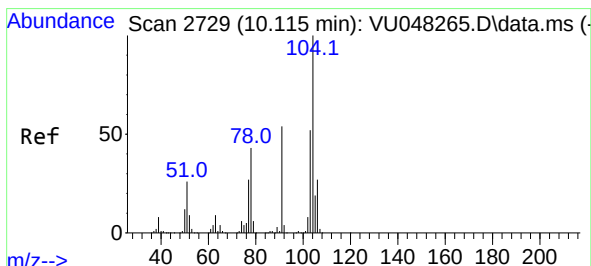
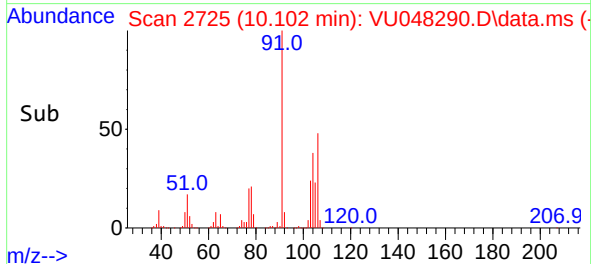
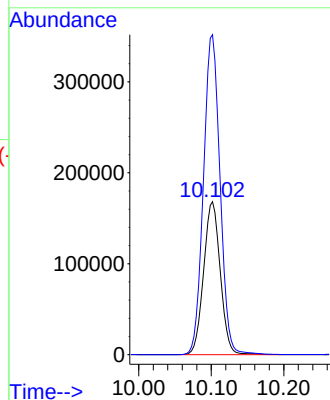
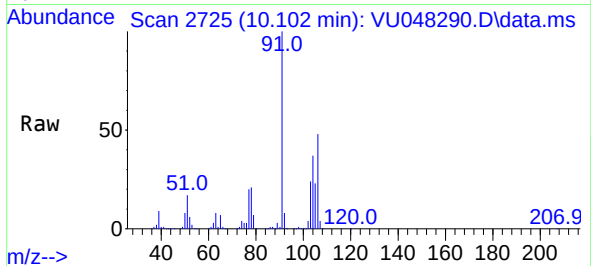




#54  
o-Xylene  
Concen: 53.854 ug/L  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

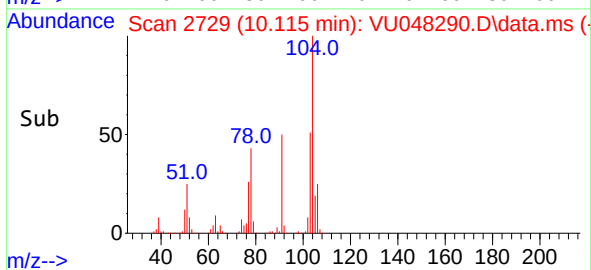
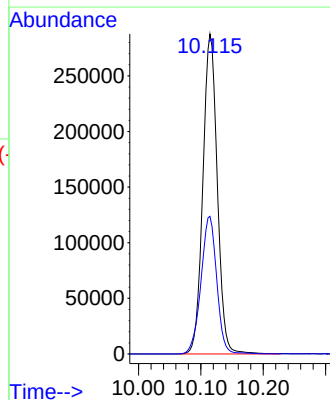
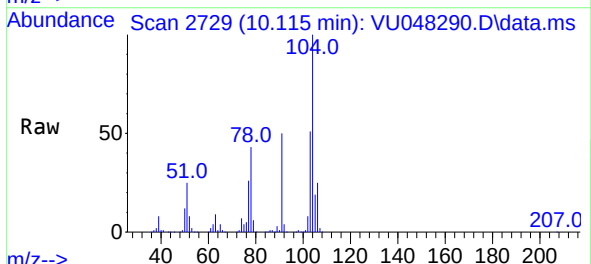
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

Tgt Ion:106 Resp: 268435  
Ion Ratio Lower Upper  
106 100  
91 209.3 145.3 269.8

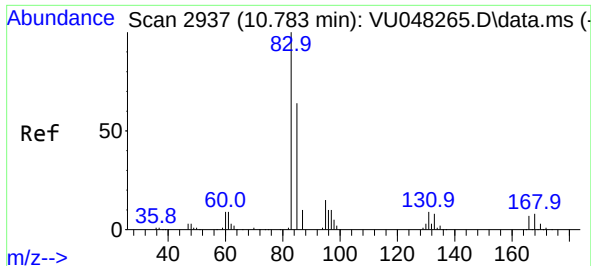


#55  
Styrene  
Concen: 54.576 ug/L  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion:104 Resp: 463428  
Ion Ratio Lower Upper  
104 100  
78 43.0 30.3 56.3



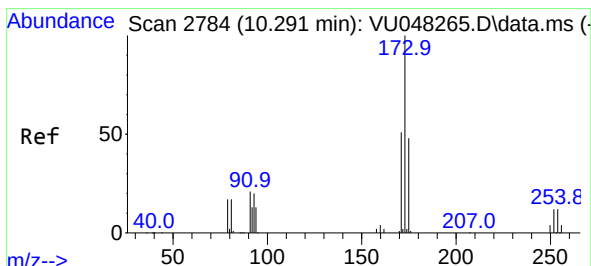
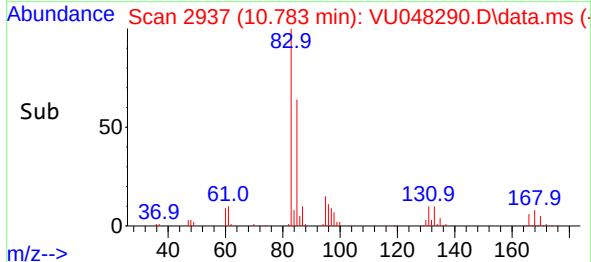
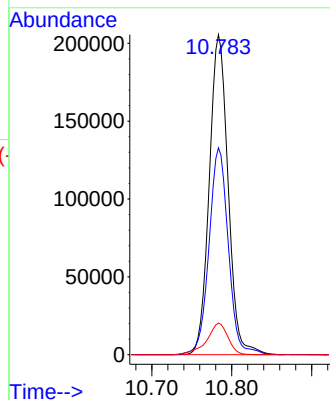
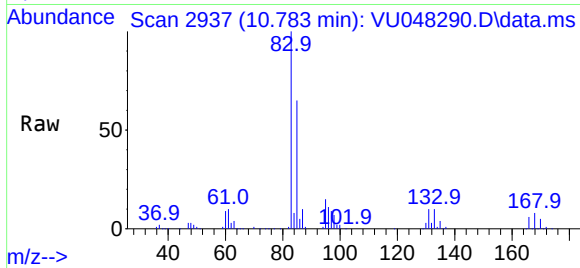




#57  
1,1,2,2-Tetrachloroethane  
Concen: 49.488 ug/L  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

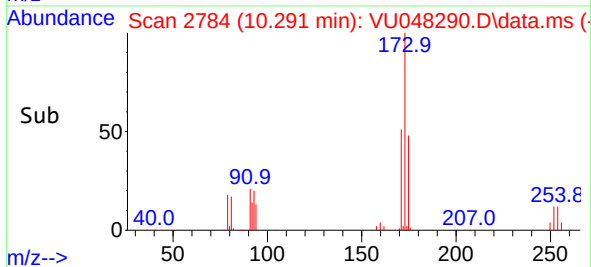
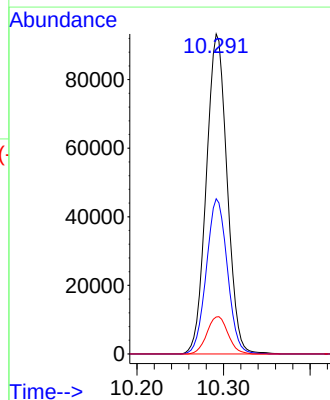
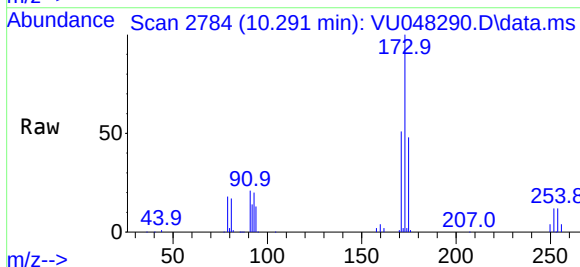
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

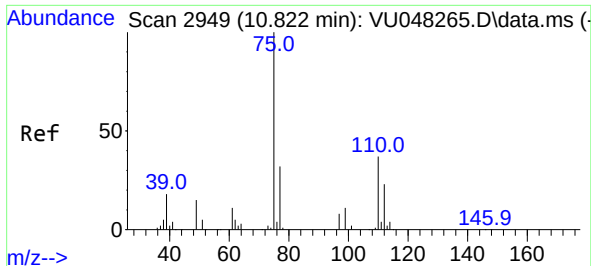
Tgt Ion: 83 Resp: 336204  
Ion Ratio Lower Upper  
83 100  
85 64.6 45.1 83.7  
131 9.9 7.8 11.6



#59  
Bromoform  
Concen: 48.835 ug/L  
RT: 10.291 min Scan# 2784  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion:173 Resp: 155618  
Ion Ratio Lower Upper  
173 100  
175 49.0 38.9 58.3  
254 11.8 9.5 14.3

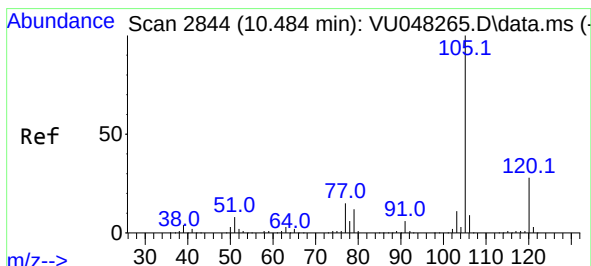
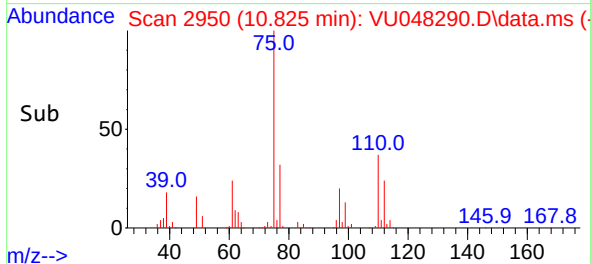
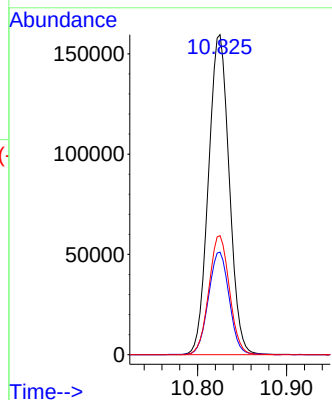
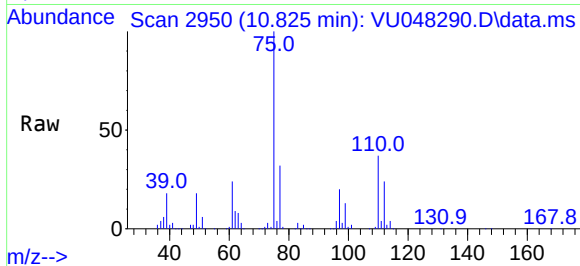




#60  
1,2,3-Trichloropropane  
Concen: 50.428 ug/L  
RT: 10.825 min Scan# 2949  
Delta R.T. 0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

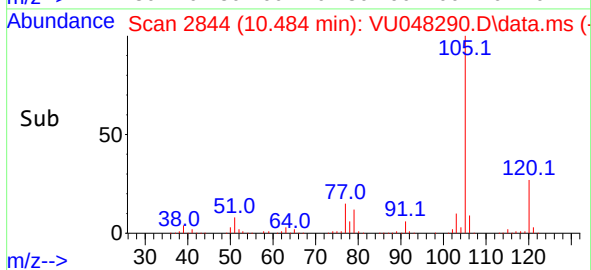
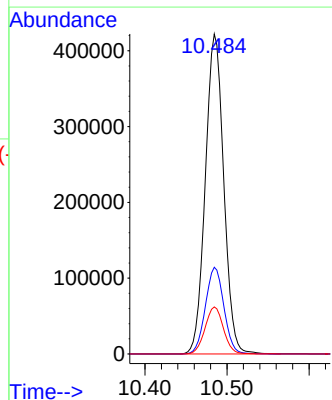
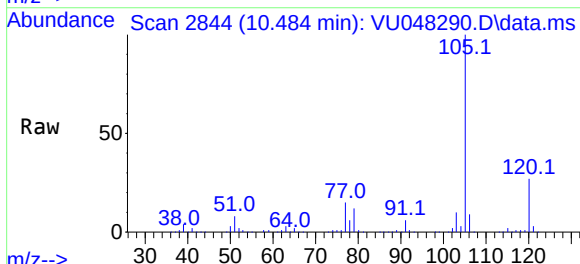
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

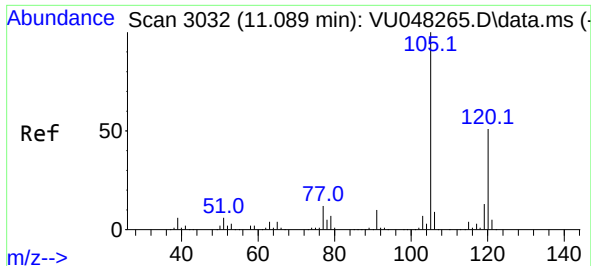
Tgt Ion: 75 Resp: 258307  
Ion Ratio Lower Upper  
75 100  
77 32.1 25.8 38.8  
110 37.0 29.9 44.9



#61  
Isopropylbenzene  
Concen: 53.665 ug/L  
RT: 10.484 min Scan# 2844  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion: 105 Resp: 658845  
Ion Ratio Lower Upper  
105 100  
120 27.2 21.7 32.5  
77 14.7 11.7 17.5

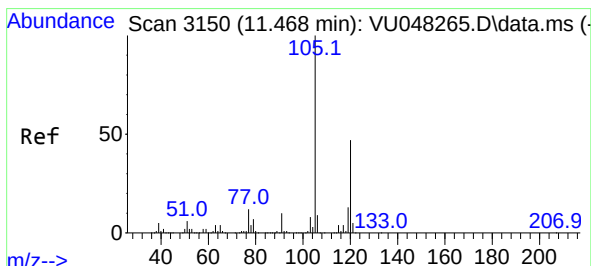
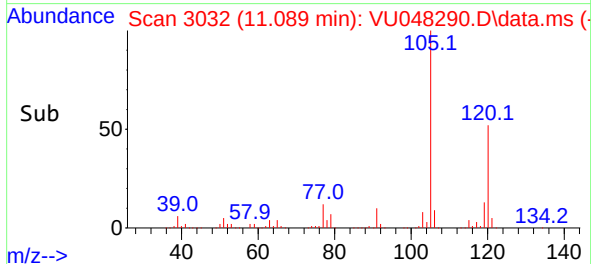
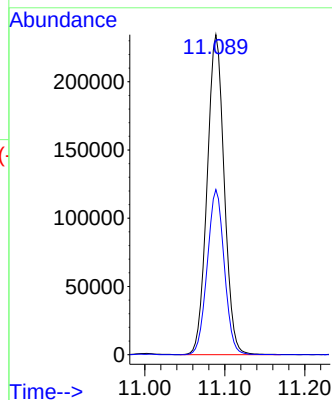
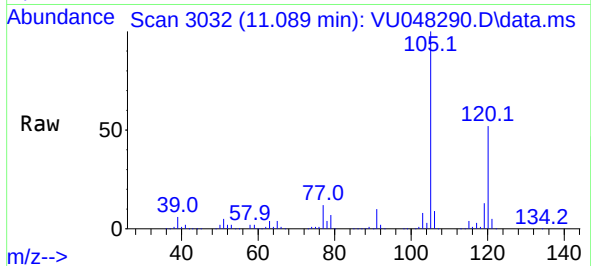




#62  
1,3,5-Trimethylbenzene  
Concen: 53.918 ug/L  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

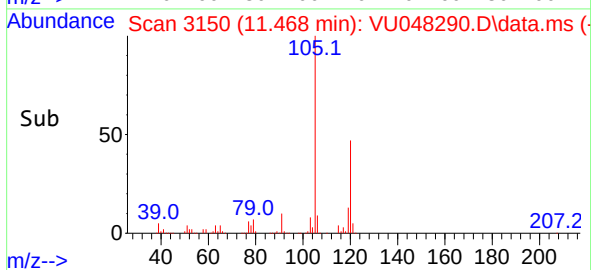
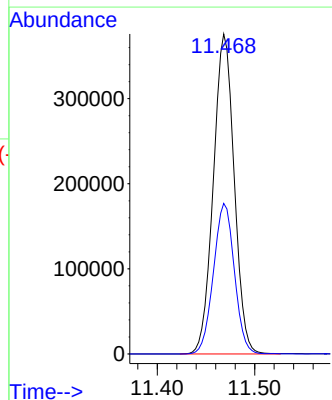
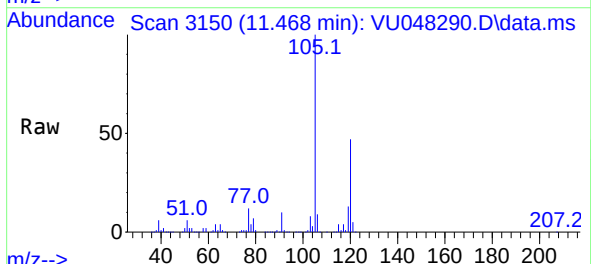
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

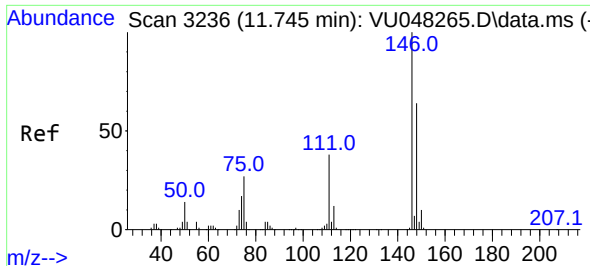
Tgt Ion:105 Resp: 348892  
Ion Ratio Lower Upper  
105 100  
120 51.4 40.7 61.1



#63  
1,2,4-Trimethylbenzene  
Concen: 56.204 ug/L  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion:105 Resp: 559143  
Ion Ratio Lower Upper  
105 100  
120 47.2 38.0 57.0

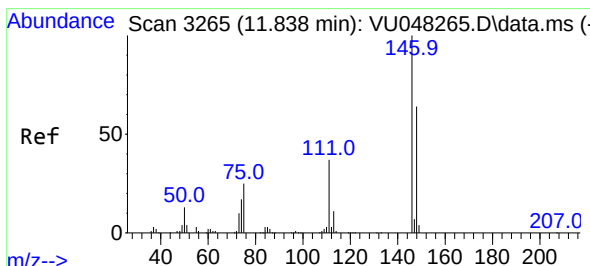
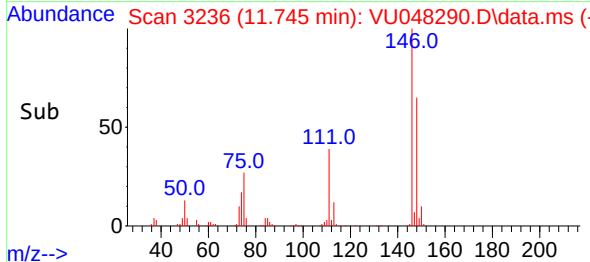
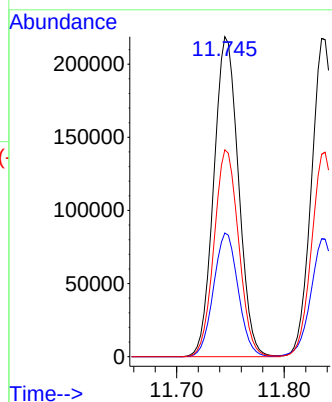
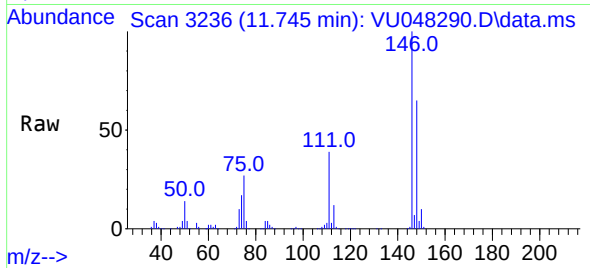




#64  
1,3-Dichlorobenzene  
Concen: 50.735 ug/L  
RT: 11.745 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

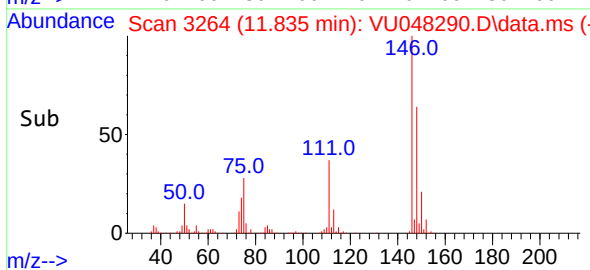
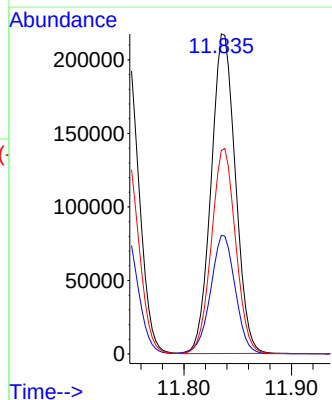
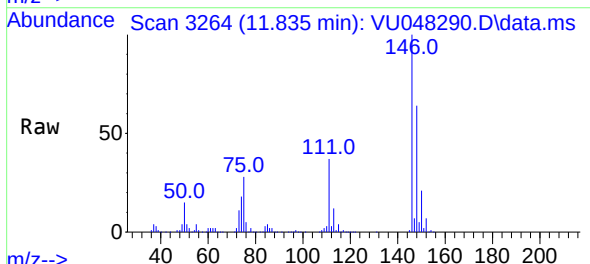
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

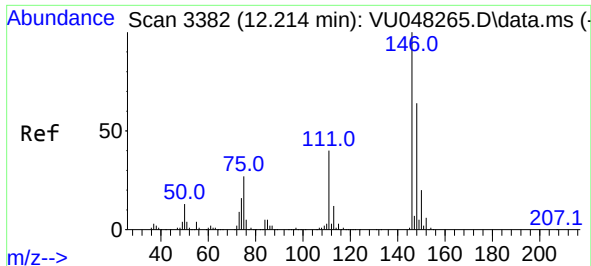
Tgt Ion:146 Resp: 349205  
Ion Ratio Lower Upper  
146 100  
111 38.6 26.7 49.7  
148 64.7 44.9 83.5



#65  
1,4-Dichlorobenzene  
Concen: 48.514 ug/L  
RT: 11.835 min Scan# 3264  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion:146 Resp: 340896  
Ion Ratio Lower Upper  
146 100  
111 37.1 25.9 48.1  
148 63.6 45.1 83.7





#67

1,2-Dichlorobenzene

Concen: 49.271 ug/L

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU048290.D

Acq: 26 Apr 2022 00:02

Instrument :

MSVOA\_U

ClientSampleId :

EXES2MSD

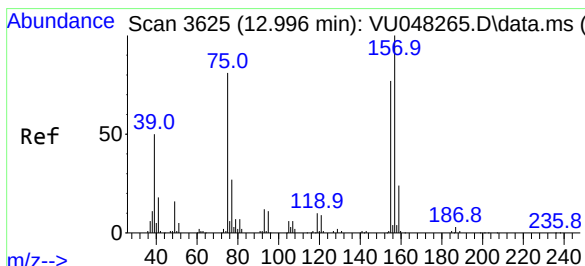
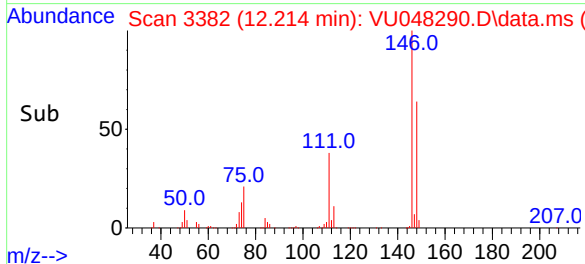
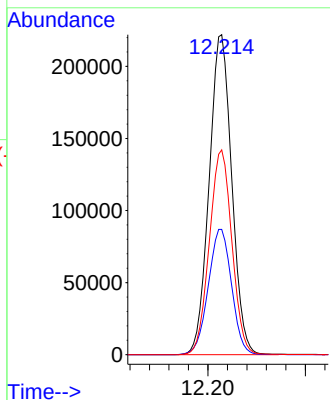
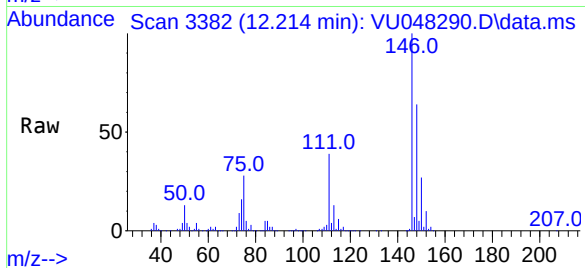
Tgt Ion:146 Resp: 357252

Ion Ratio Lower Upper

146 100

111 39.1 31.7 47.5

148 64.0 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 50.943 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU048290.D

Acq: 26 Apr 2022 00:02

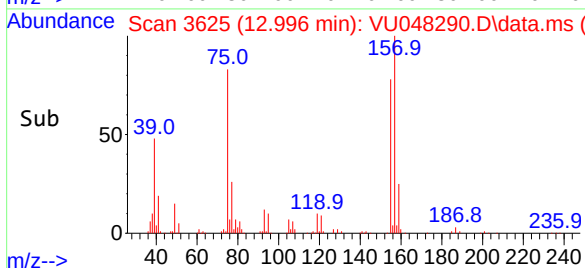
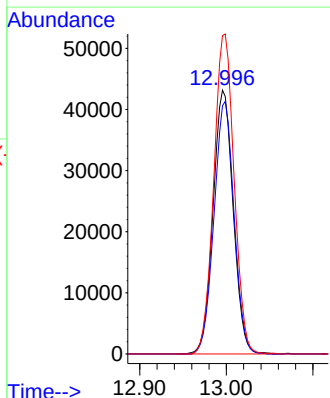
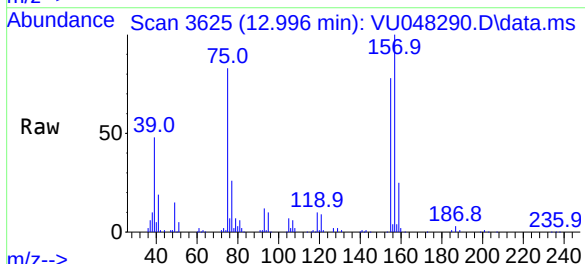
Tgt Ion: 75 Resp: 69661

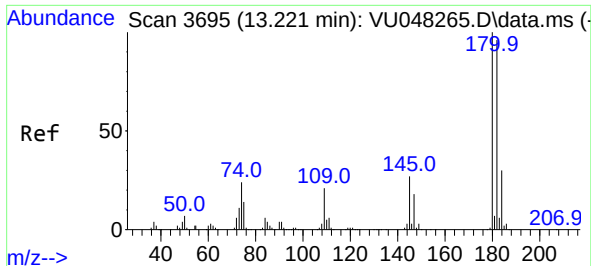
Ion Ratio Lower Upper

75 100

155 94.1 71.8 107.6

157 120.7 93.4 140.2

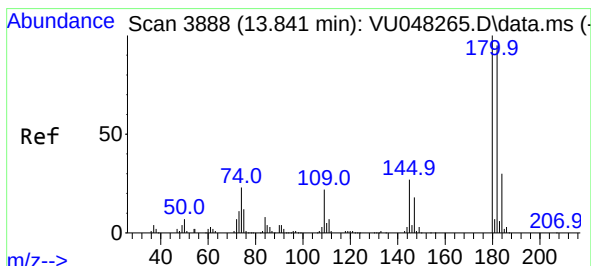
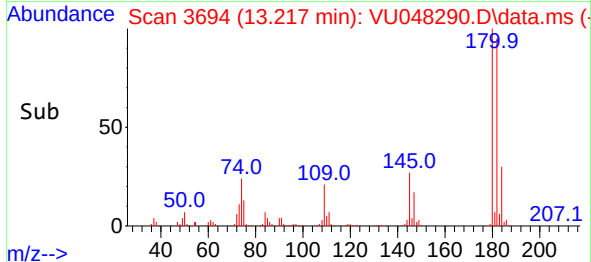
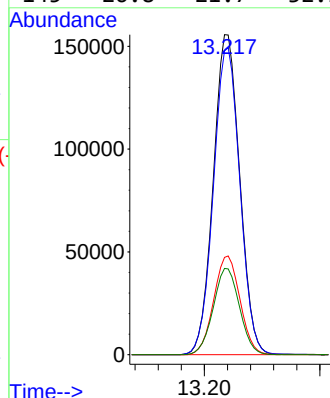
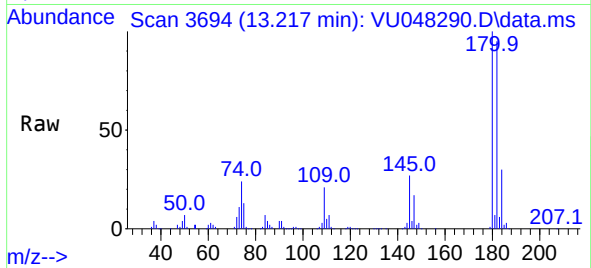




#69  
1,3,5-Trichlorobenzene  
Concen: 48.301 ug/L  
RT: 13.217 min Scan# 3694  
Delta R.T. -0.003 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

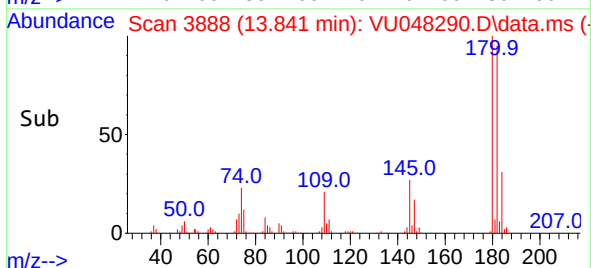
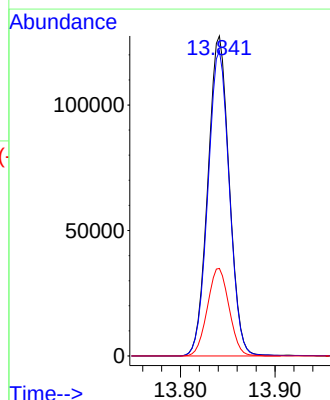
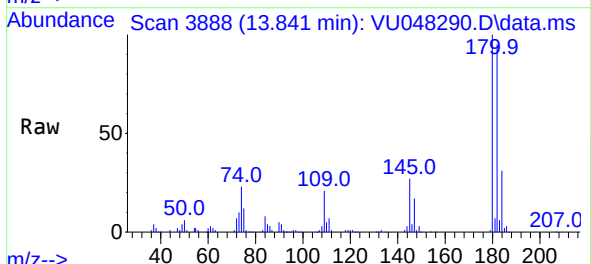
Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

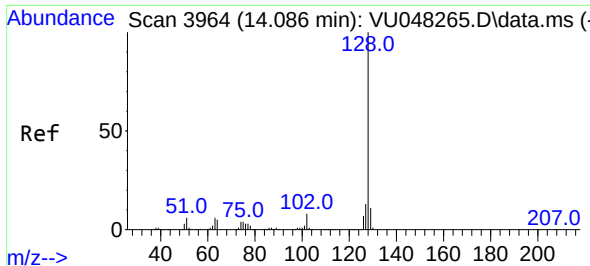
Tgt Ion:180 Resp: 247038  
Ion Ratio Lower Upper  
180 100  
182 96.0 77.0 115.4  
184 30.7 24.6 37.0  
145 26.8 21.7 32.5



#70  
1,2,4-trichlorobenzene  
Concen: 49.530 ug/L  
RT: 13.841 min Scan# 3888  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion:180 Resp: 200130  
Ion Ratio Lower Upper  
180 100  
182 95.6 76.3 114.5  
145 27.8 22.6 33.8



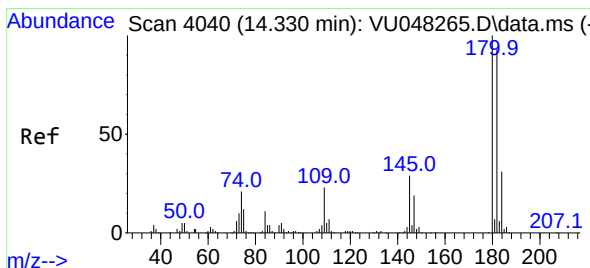
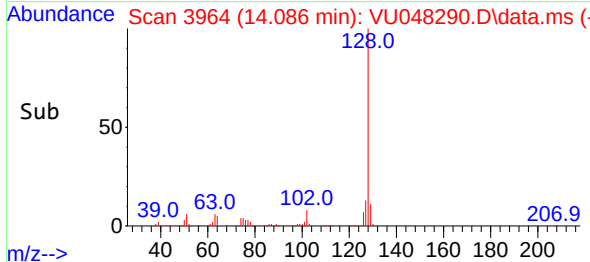
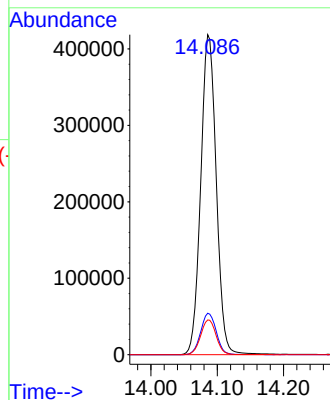
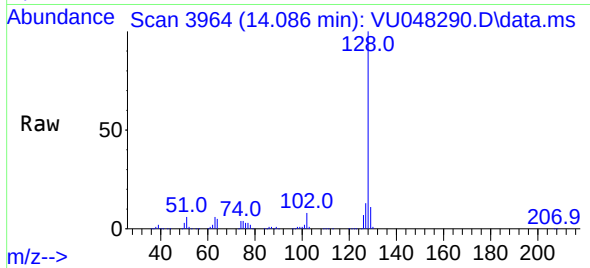


#71  
Naphthalene  
Concen: 58.831 ug/L  
RT: 14.086 min Scan# 3964  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Instrument :  
MSVOA\_U  
ClientSampleId :  
EXES2MSD

Tgt Ion:128 Resp: 680285

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 128 | 100   |       |       |
| 127 | 13.0  | 10.4  | 15.6  |
| 129 | 10.9  | 8.7   | 13.1  |



#72  
1,2,3-Trichlorobenzene  
Concen: 52.167 ug/L  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU048290.D  
Acq: 26 Apr 2022 00:02

Tgt Ion:180 Resp: 216019

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 180 | 100   |       |       |
| 182 | 95.9  | 75.8  | 113.6 |
| 145 | 29.3  | 23.5  | 35.3  |

