

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU110521\  
 Data File : VU045551.D  
 Acq On : 05 Nov 2021 11:14  
 Operator : SY/MD  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC020

Quant Time: Nov 05 12:02:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 11:59:48 2021  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.378  | 168   | 136656   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.253  | 114   | 243310   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 9.420  | 117   | 237083   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812 | 152   | 121460   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.706  | 65    | 42260    | 18.995   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 78 - 117 | Recovery | =      | 37.980%# |
| 35) Dibromofluoromethane     | 5.292  | 113   | 32549    | 21.039   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 42.080%# |
| 50) Toluene-d8               | 7.902  | 98    | 123923   | 20.427   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 92 - 112 | Recovery | =      | 40.860%# |
| 62) 4-Bromofluorobenzene     | 10.635 | 95    | 46184    | 19.978   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 83 - 123 | Recovery | =      | 39.960%# |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.385  | 85    | 38431    | 21.166   | ug/l   | 97       |
| 3) Chloromethane             | 1.523  | 50    | 42455    | 15.613   | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.607  | 62    | 41769    | 18.503   | ug/l   | 100      |
| 5) Bromomethane              | 1.854  | 94    | 24623    | 17.968   | ug/l   | 94       |
| 6) Chloroethane              | 1.935  | 64    | 25978    | 19.100   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 2.141  | 101   | 54851    | 21.702   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.379  | 74    | 21584    | 18.419   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.584  | 101   | 32376    | 21.321   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.726  | 142   | 42506    | 35.298   | ug/l   | 94       |
| 11) Tert butyl alcohol       | 3.173  | 59    | 43063    | 89.672   | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.584  | 96    | 30572    | 19.581   | ug/l   | 98       |
| 13) Acrolein                 | 2.488  | 56    | 5449     | 50.697   | ug/l   | 99       |
| 14) Allyl chloride           | 2.928  | 41    | 56712    | 19.782   | ug/l   | 98       |
| 15) Acrylonitrile            | 3.314  | 53    | 117270   | 100.720  | ug/l   | 97       |
| 16) Acetone                  | 2.623  | 43    | 115781   | 114.631  | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.797  | 76    | 85439    | 18.804   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.948  | 43    | 74666    | 19.852   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.366  | 73    | 112690   | 19.617   | ug/l   | 99       |
| 20) Methylene Chloride       | 3.051  | 84    | 36967    | 18.367   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.356  | 96    | 33439    | 19.875   | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.996  | 45    | 115010   | 20.515   | ug/l   | 99       |
| 23) Vinyl Acetate            | 3.957  | 43    | 435929   | 100.244  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.874  | 63    | 67733    | 20.618   | ug/l   | 99       |
| 25) 2-Butanone               | 4.700  | 43    | 159158   | 104.382  | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.671  | 77    | 55543    | 21.824   | ug/l   | 97       |
| 27) cis-1,2-Dichloroethene   | 4.671  | 96    | 38776    | 20.029   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.977  | 49    | 31542    | 19.465   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.051  | 42    | 96993    | 98.088   | ug/l   | 98       |
| 30) Chloroform               | 5.092  | 83    | 65321    | 20.506   | ug/l   | 100      |
| 31) Cyclohexane              | 5.391  | 56    | 61573    | 18.589   | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 5.321  | 97    | 56782    | 21.720   | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 5.530  | 75    | 49195    | 21.240   | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.803  | 43    | 55843    | 19.908   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.530  | 117   | 48389    | 23.955   | ug/l   | 98       |
| 39) Methylcyclohexane        | 6.767  | 83    | 59402    | 20.624   | ug/l   | 96       |
| 40) Benzene                  | 5.777  | 78    | 144371   | 20.707   | ug/l   | 99       |

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 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC020

Quant Time: Nov 05 12:02:09 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 11:59:48 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.973  | 41   | 31672    | 21.336  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 5.796  | 62   | 54278    | 21.197  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.912  | 43   | 86610    | 20.489  | ug/l   | 99       |
| 44) Trichloroethene           | 6.546  | 130  | 34058    | 21.077  | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 38587    | 21.030  | ug/l   | 99       |
| 46) Dibromomethane            | 6.922  | 93   | 26576    | 22.245  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.108  | 83   | 51060    | 21.716  | ug/l   | 97       |
| 48) Methyl methacrylate       | 6.960  | 41   | 39786    | 19.857  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 6.964  | 88   | 20595    | 404.450 | ug/l # | 96       |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 290843   | 106.450 | ug/l   | 98       |
| 52) Toluene                   | 7.973  | 92   | 91297    | 21.541  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 57974    | 21.633  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 61916    | 21.574  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 8.404  | 97   | 37355    | 21.578  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 57157    | 20.723  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 66841    | 21.751  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 7.465  | 63   | 157456   | 99.227  | ug/l   | 100      |
| 59) 2-Hexanone                | 8.684  | 43   | 228771   | 108.070 | ug/l   | 98       |
| 60) Dibromochloromethane      | 8.812  | 129  | 37583    | 22.621  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 39588    | 21.832  | ug/l   | 100      |
| 64) Tetrachloroethene         | 8.555  | 164  | 28565    | 21.078  | ug/l   | 99       |
| 65) Chlorobenzene             | 9.449  | 112  | 94870    | 21.105  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 33422    | 22.038  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.571  | 91   | 172269   | 20.921  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.697  | 106  | 132382   | 42.591  | ug/l   | 100      |
| 69) o-Xylene                  | 10.102 | 106  | 63818    | 21.057  | ug/l   | 98       |
| 70) Styrene                   | 10.115 | 104  | 107770   | 21.202  | ug/l   | 98       |
| 71) Bromoform                 | 10.291 | 173  | 27575    | 22.494  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.488 | 105  | 170145   | 20.775  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.320 | 43   | 73820    | 19.649  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 64472    | 19.835  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 75719    | 23.398  | ug/l   | 94       |
| 77) Bromobenzene              | 10.783 | 156  | 39951    | 20.907  | ug/l   | 98       |
| 78) n-propylbenzene           | 10.909 | 91   | 208706   | 21.019  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 122485   | 20.494  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 148687   | 21.576  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75   | 20539    | 19.245  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.098 | 91   | 143561   | 21.123  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.423 | 119  | 139062   | 20.905  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 150263   | 21.761  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.645 | 105  | 185915   | 21.298  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 155598   | 22.025  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 78608    | 20.839  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 78985    | 20.477  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.211 | 91   | 145348   | 21.434  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.478 | 117  | 26534    | 21.296  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 76868    | 20.375  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 15586    | 19.963  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 51648    | 20.442  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 22057    | 23.977  | ug/l   | 98       |
| 95) Naphthalene               | 14.089 | 128  | 187143   | 20.475  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 53878    | 21.156  | ug/l   | 99       |

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Acq On : 05 Nov 2021 11:14  
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Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 6 Sample Multiplier: 1

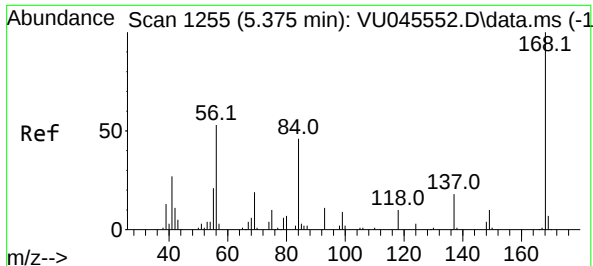
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

Quant Time: Nov 05 12:02:09 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 11:59:48 2021  
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

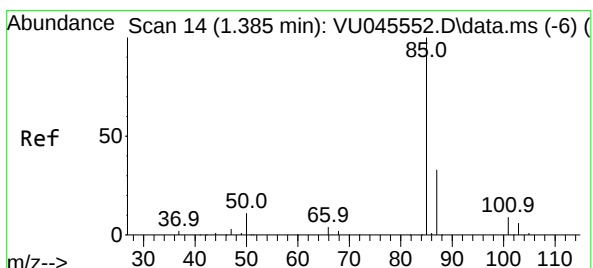
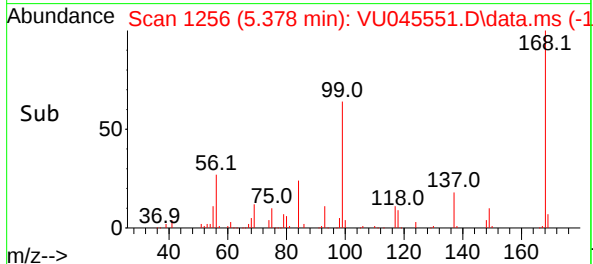
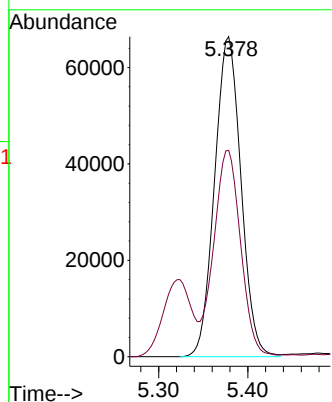
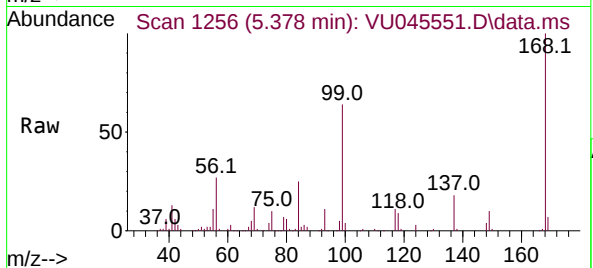




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.378 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

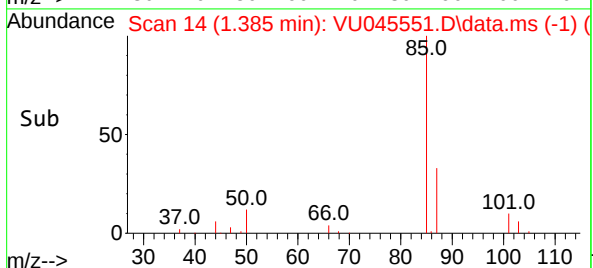
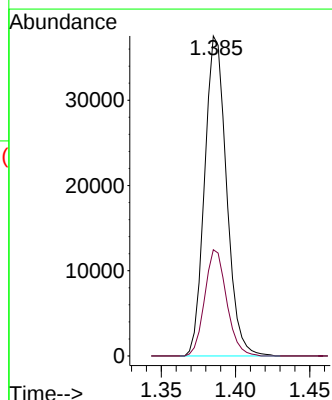
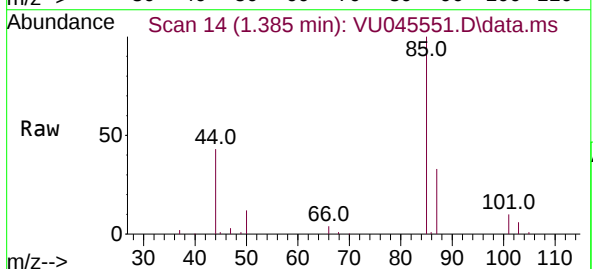
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

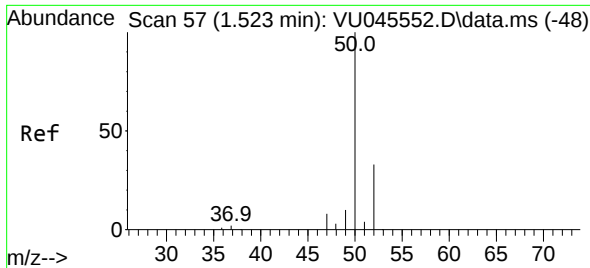
Tgt Ion:168 Resp: 136656  
Ion Ratio Lower Upper  
168 100  
99 64.0 51.0 76.6



#2  
Dichlorodifluoromethane  
Concen: 21.166 ug/l  
RT: 1.385 min Scan# 14  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 85 Resp: 38431  
Ion Ratio Lower Upper  
85 100  
87 33.2 15.9 47.7

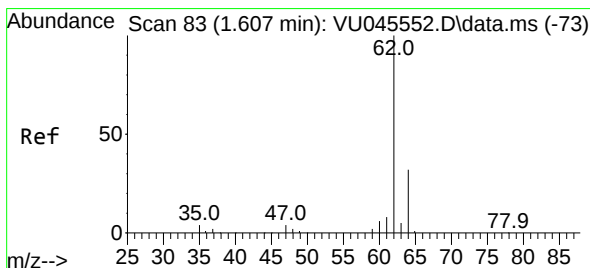
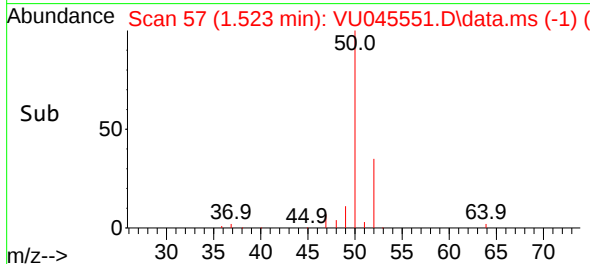
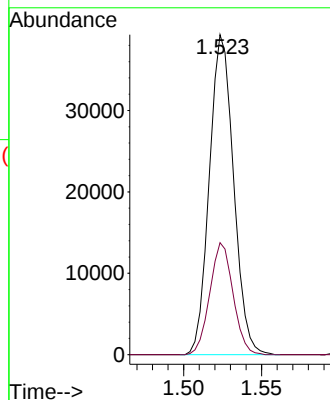
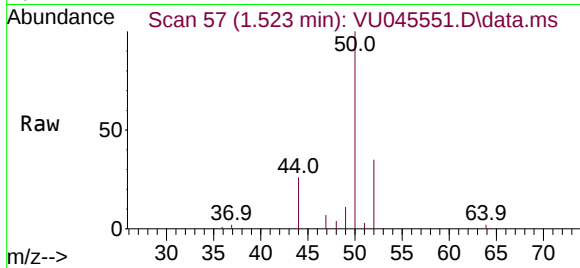




#3  
Chloromethane  
Concen: 15.613 ug/l  
RT: 1.523 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

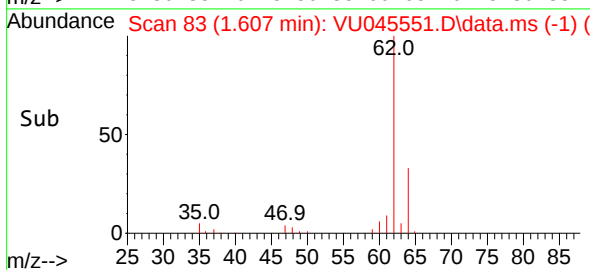
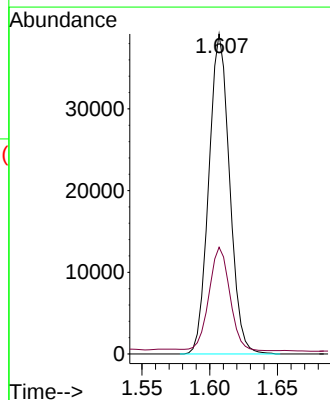
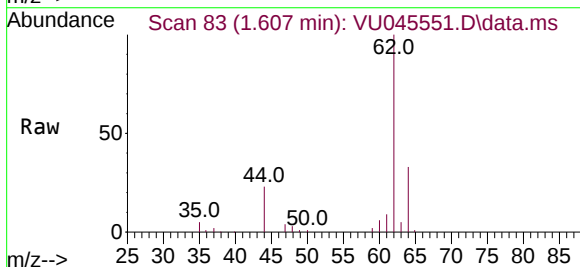
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

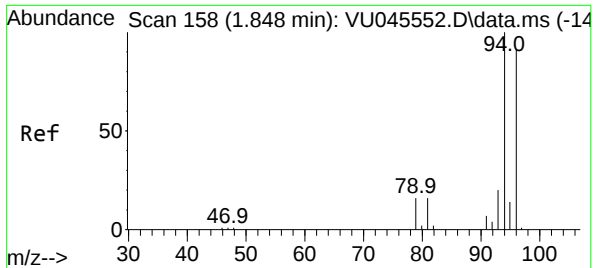
Tgt Ion: 50 Resp: 42455  
Ion Ratio Lower Upper  
50 100  
52 35.0 26.6 40.0



#4  
Vinyl Chloride  
Concen: 18.503 ug/l  
RT: 1.607 min Scan# 83  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 62 Resp: 41769  
Ion Ratio Lower Upper  
62 100  
64 32.3 25.8 38.6

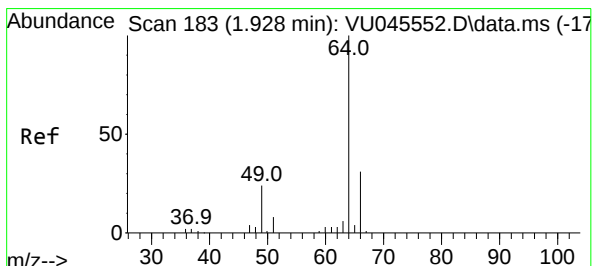
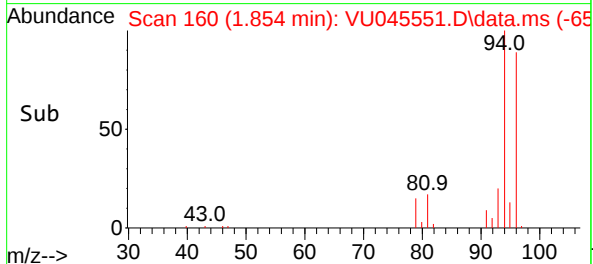
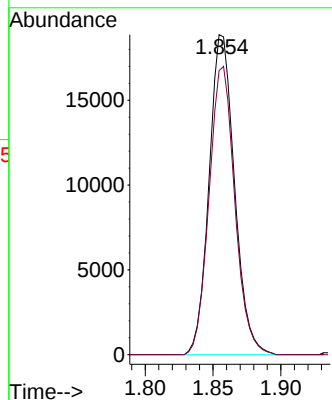
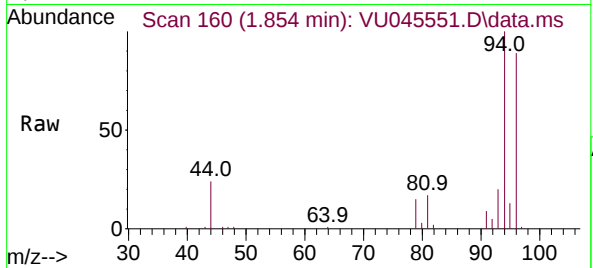




#5  
Bromomethane  
Concen: 17.968 ug/l  
RT: 1.854 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

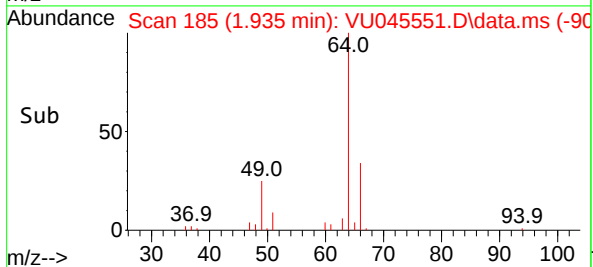
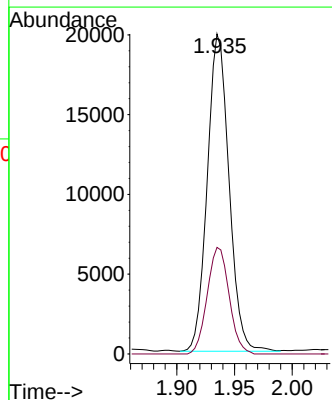
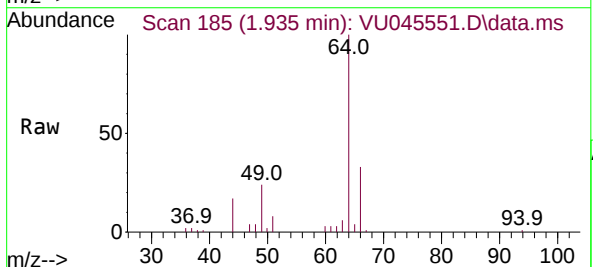
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

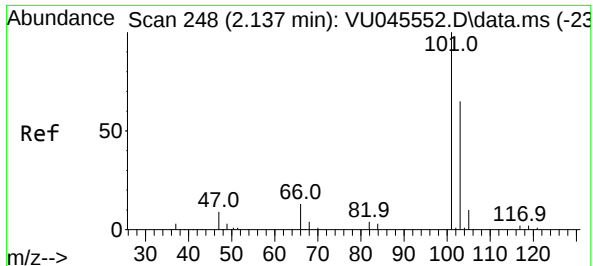
Tgt Ion: 94 Resp: 24623  
Ion Ratio Lower Upper  
94 100  
96 88.8 75.4 113.2



#6  
Chloroethane  
Concen: 19.100 ug/l  
RT: 1.935 min Scan# 185  
Delta R.T. 0.006 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 64 Resp: 25978  
Ion Ratio Lower Upper  
64 100  
66 33.6 26.7 40.1

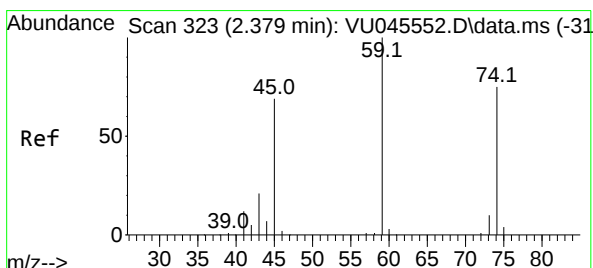
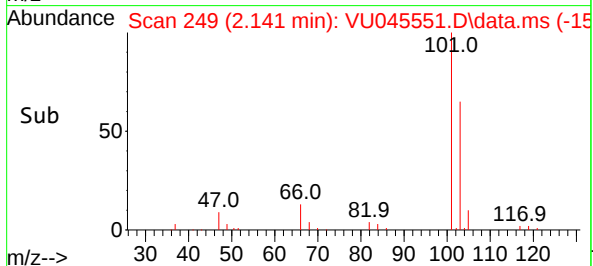
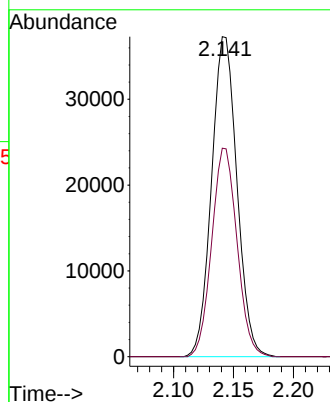
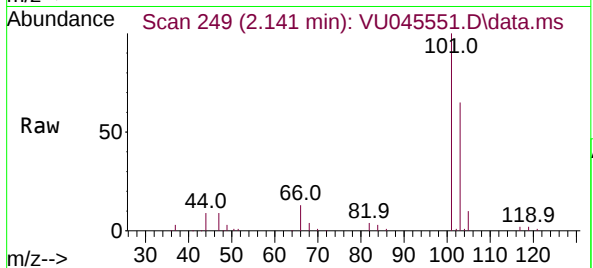




#7  
 Trichlorofluoromethane  
 Concen: 21.702 ug/l  
 RT: 2.141 min Scan# 248  
 Delta R.T. 0.003 min  
 Lab File: VU045551.D  
 Acq: 05 Nov 2021 11:14

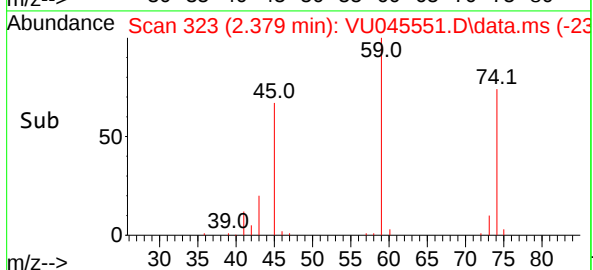
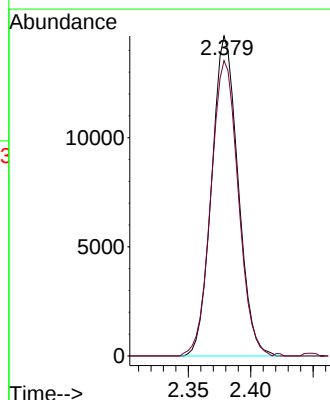
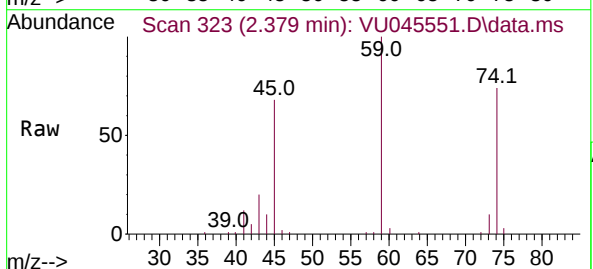
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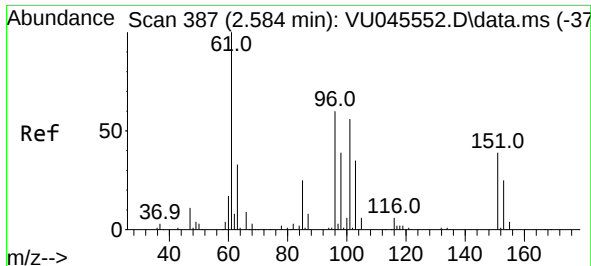
Tgt Ion:101 Resp: 54851  
 Ion Ratio Lower Upper  
 101 100  
 103 65.1 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 18.419 ug/l  
 RT: 2.379 min Scan# 323  
 Delta R.T. -0.000 min  
 Lab File: VU045551.D  
 Acq: 05 Nov 2021 11:14

Tgt Ion: 74 Resp: 21584  
 Ion Ratio Lower Upper  
 74 100  
 45 95.7 47.3 141.8

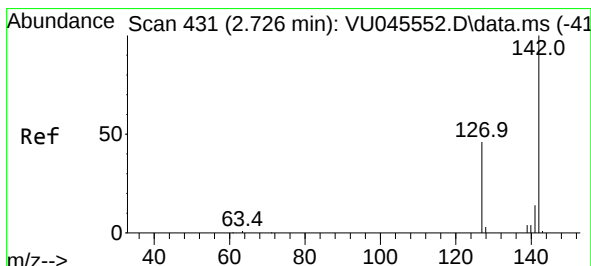
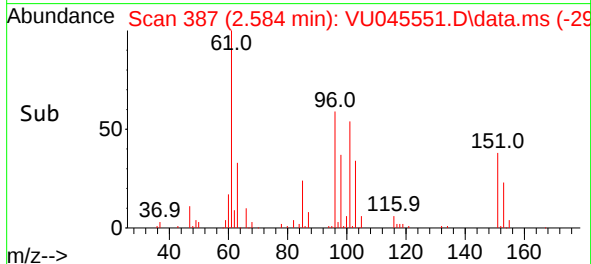
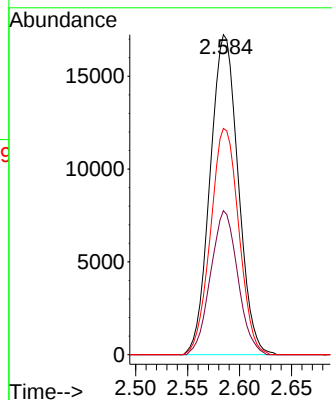
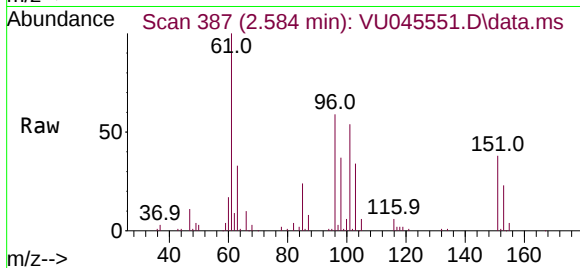




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.321 ug/l  
RT: 2.584 min Scan# 387  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

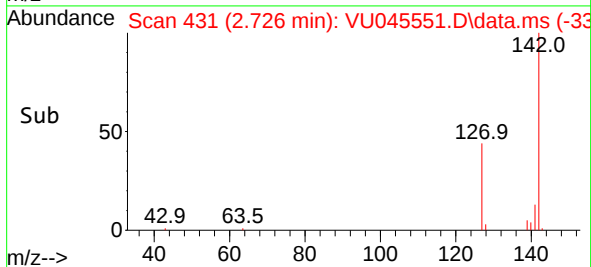
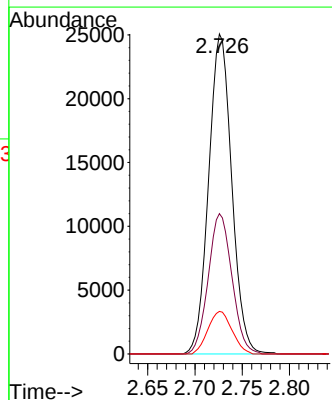
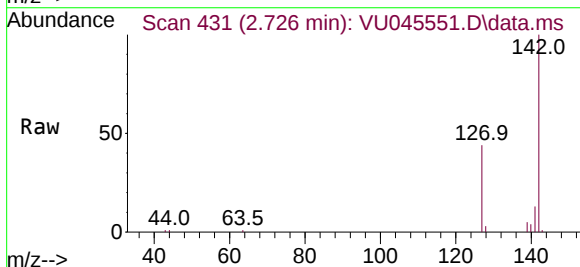
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MSVOA\_U  
ClientSampleId :  
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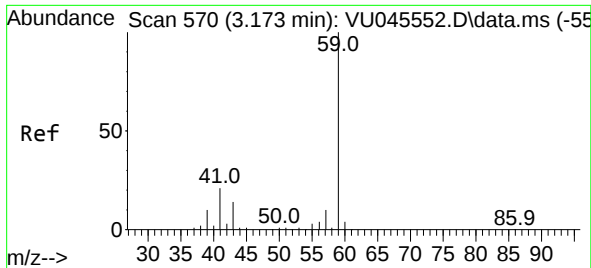
Tgt Ion:101 Resp: 32376  
Ion Ratio Lower Upper  
101 100  
85 43.6 35.0 52.4  
151 71.2 54.6 82.0



#10  
Methyl Iodide  
Concen: 35.298 ug/l  
RT: 2.726 min Scan# 431  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion:142 Resp: 42506  
Ion Ratio Lower Upper  
142 100  
127 45.0 32.2 48.2  
141 13.9 11.3 16.9

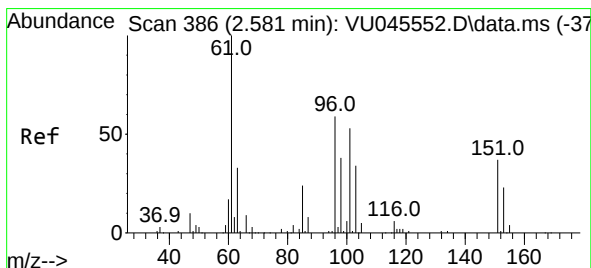
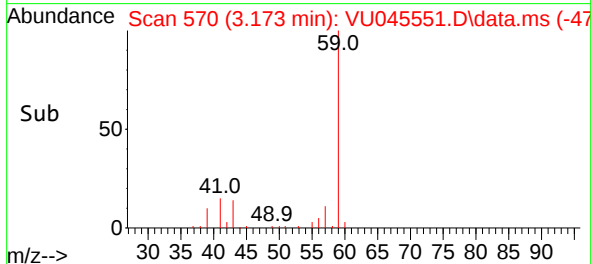
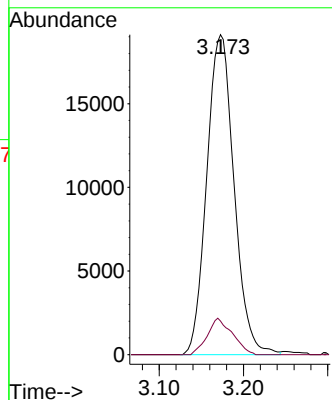
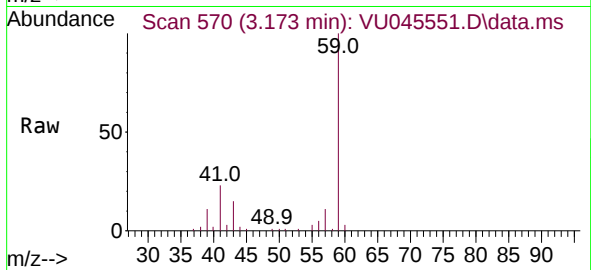




#11  
Tert butyl alcohol  
Concen: 89.672 ug/l  
RT: 3.173 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

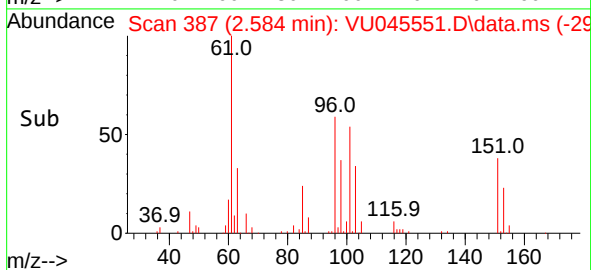
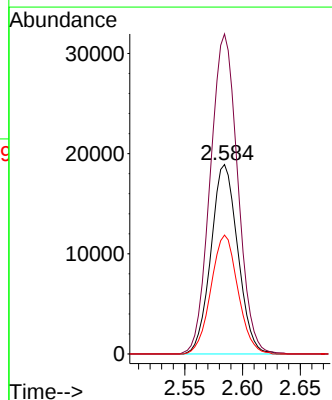
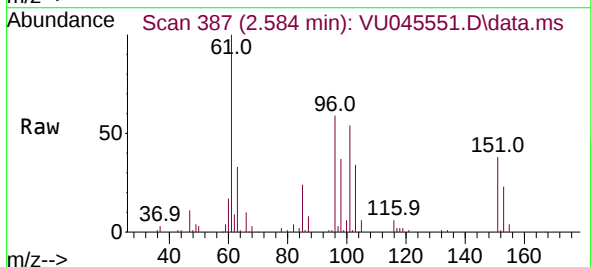
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

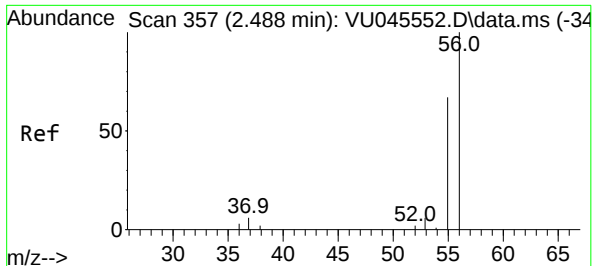
Tgt Ion: 59 Resp: 43063  
Ion Ratio Lower Upper  
59 100  
57 10.5 8.3 12.5



#12  
1,1-Dichloroethene  
Concen: 19.581 ug/l  
RT: 2.584 min Scan# 387  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 96 Resp: 30572  
Ion Ratio Lower Upper  
96 100  
61 168.9 137.1 205.7  
98 62.8 51.5 77.3

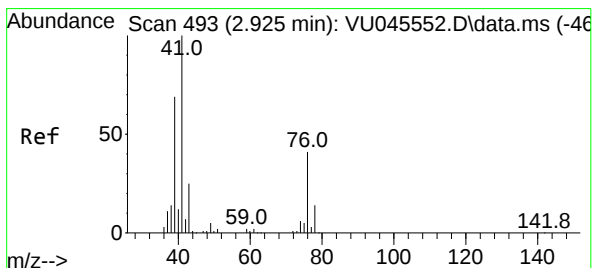
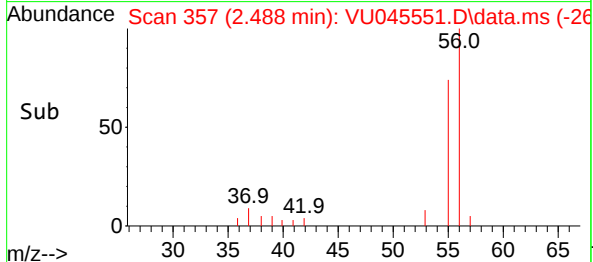
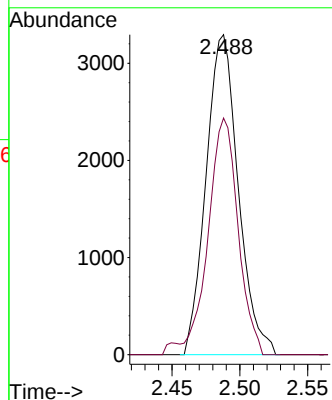
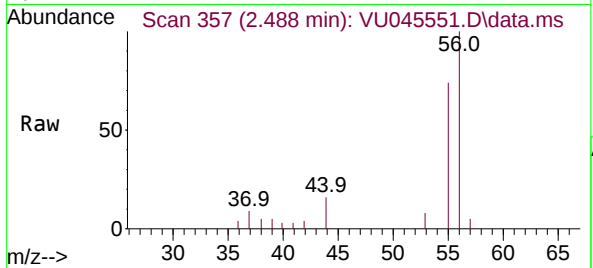




#13  
Acrolein  
Concen: 50.697 ug/l  
RT: 2.488 min Scan# 357  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

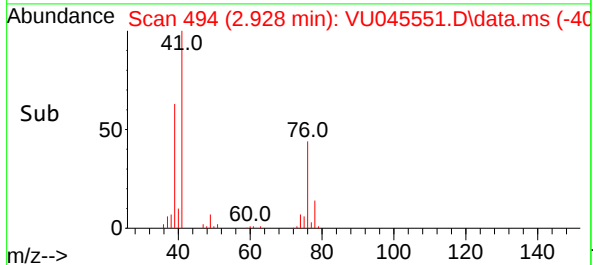
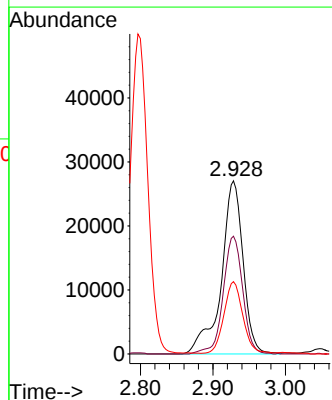
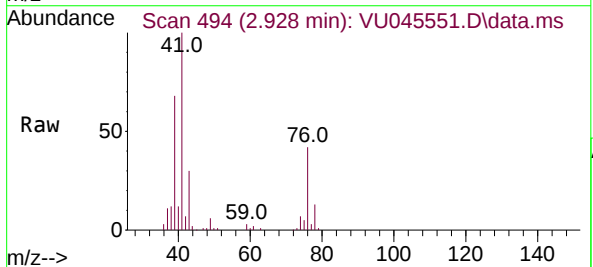
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

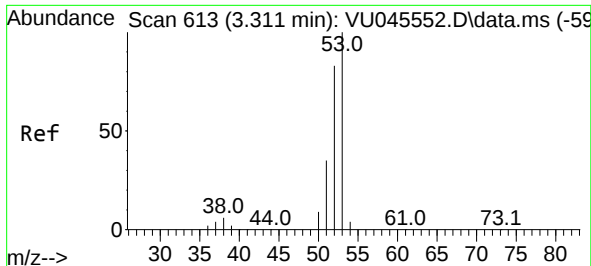
Tgt Ion: 56 Resp: 5449  
Ion Ratio Lower Upper  
56 100  
55 69.7 56.3 84.5



#14  
Allyl chloride  
Concen: 19.782 ug/l  
RT: 2.928 min Scan# 494  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 41 Resp: 56712  
Ion Ratio Lower Upper  
41 100  
39 60.6 49.7 74.5  
76 35.4 27.7 41.5

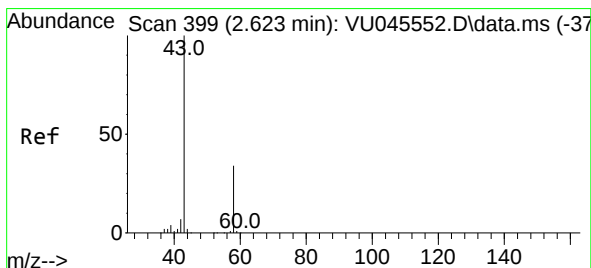
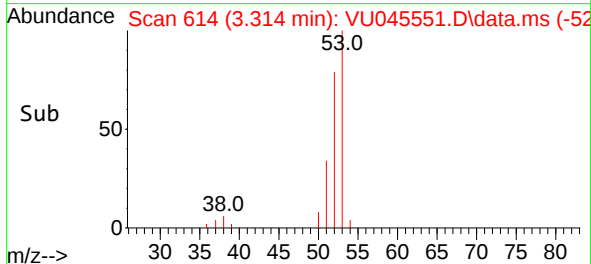
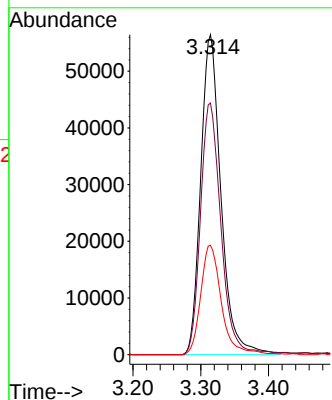
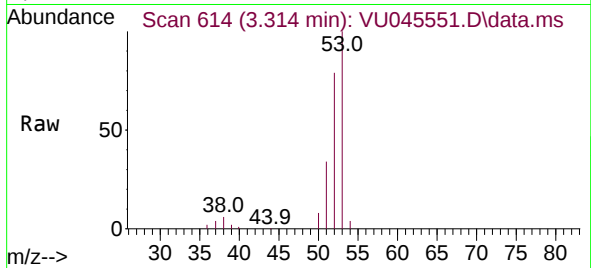




#15  
Acrylonitrile  
Concen: 100.720 ug/l  
RT: 3.314 min Scan# 613  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

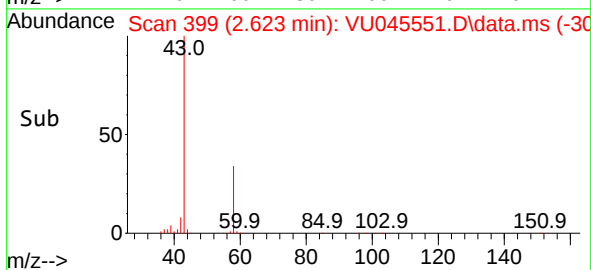
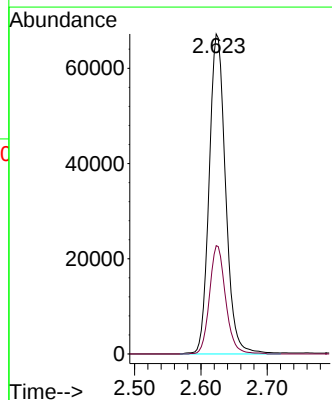
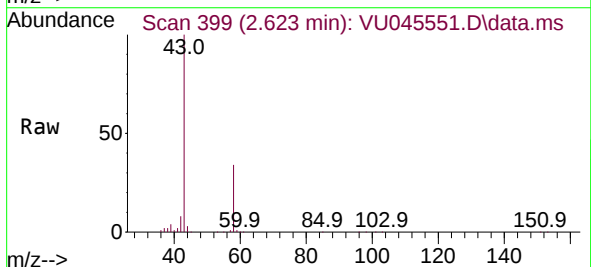
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ClientSampleId :  
VSTDICC020

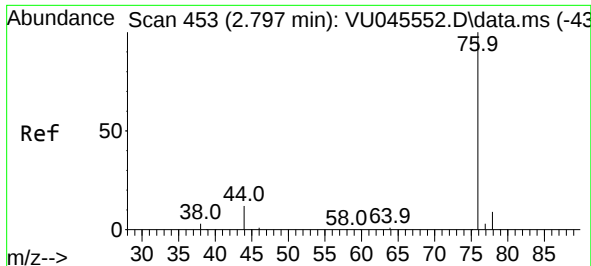
Tgt Ion: 53 Resp: 117270  
Ion Ratio Lower Upper  
53 100  
52 79.4 66.6 100.0  
51 35.0 28.4 42.6



#16  
Acetone  
Concen: 114.631 ug/l  
RT: 2.623 min Scan# 399  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 43 Resp: 115781  
Ion Ratio Lower Upper  
43 100  
58 33.9 26.2 39.2

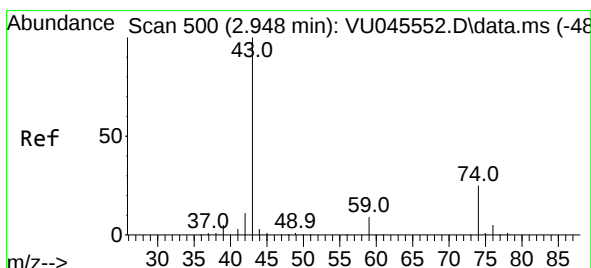
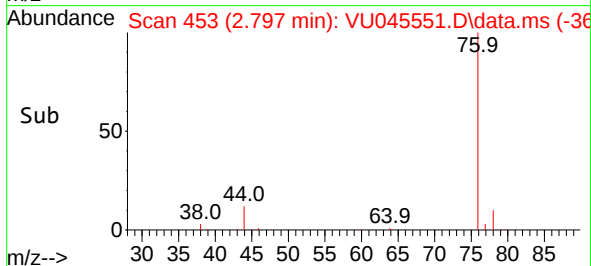
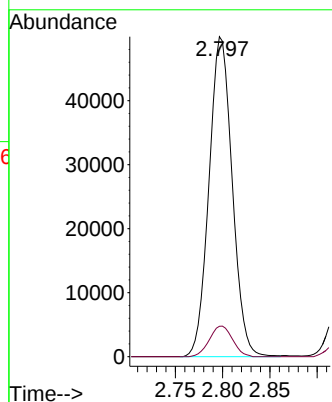
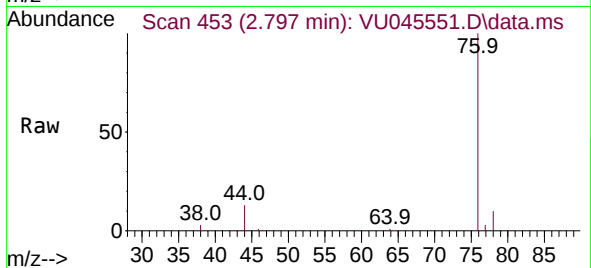




#17  
Carbon Disulfide  
Concen: 18.804 ug/l  
RT: 2.797 min Scan# 453  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

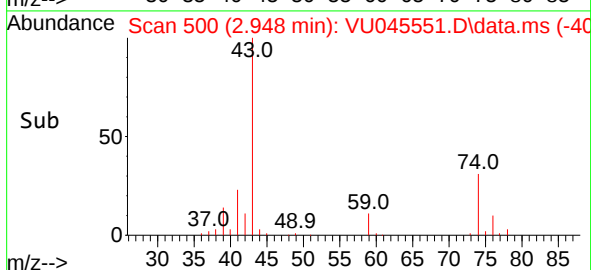
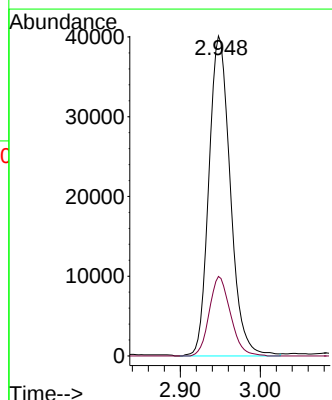
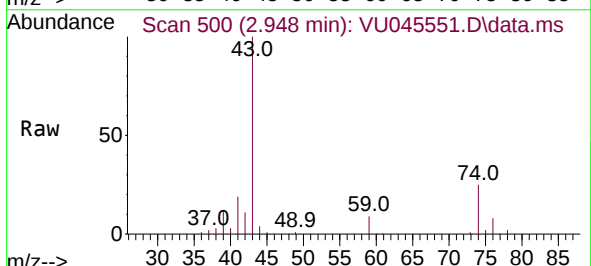
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ClientSampleId :  
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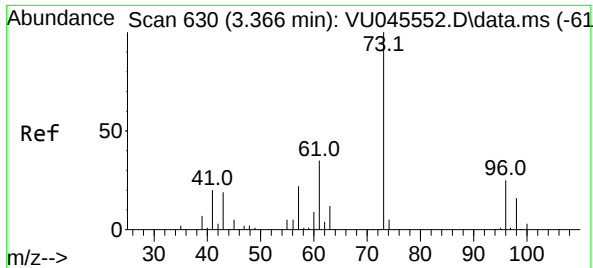
Tgt Ion: 76 Resp: 85439  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.3 10.9



#18  
Methyl Acetate  
Concen: 19.852 ug/l  
RT: 2.948 min Scan# 500  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 43 Resp: 74666  
Ion Ratio Lower Upper  
43 100  
74 24.6 20.2 30.2

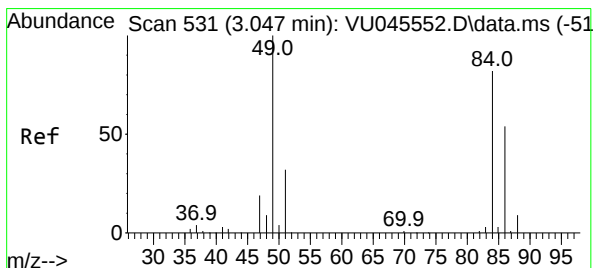
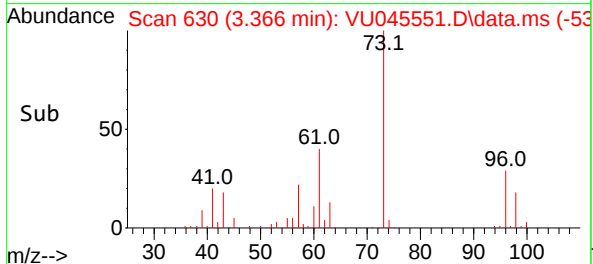
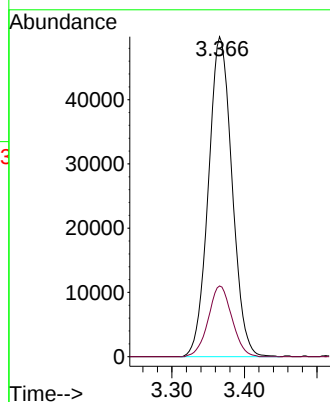
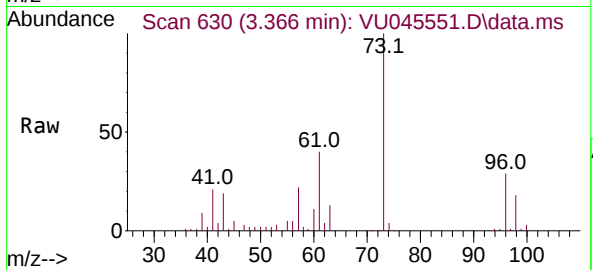




#19  
Methyl tert-butyl Ether  
Concen: 19.617 ug/l  
RT: 3.366 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

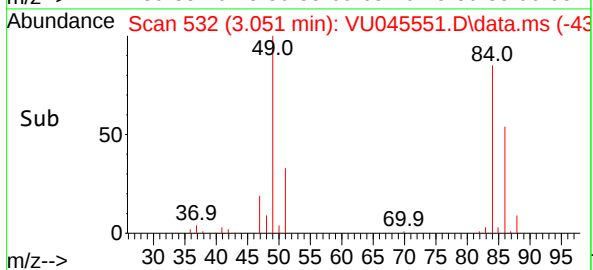
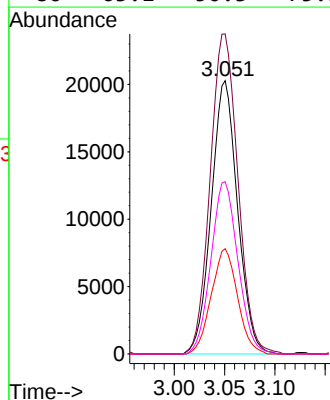
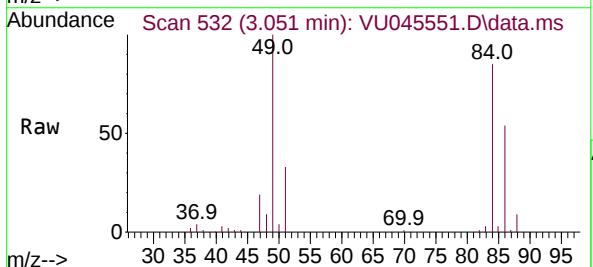
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ClientSampleId :  
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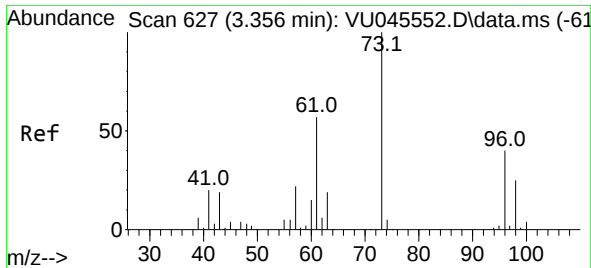
Tgt Ion: 73 Resp: 112690  
Ion Ratio Lower Upper  
73 100  
57 22.1 18.1 27.1



#20  
Methylene Chloride  
Concen: 18.367 ug/l  
RT: 3.051 min Scan# 532  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 84 Resp: 36967  
Ion Ratio Lower Upper  
84 100  
49 117.1 96.4 144.6  
51 38.5 30.5 45.7  
86 63.1 50.3 75.5

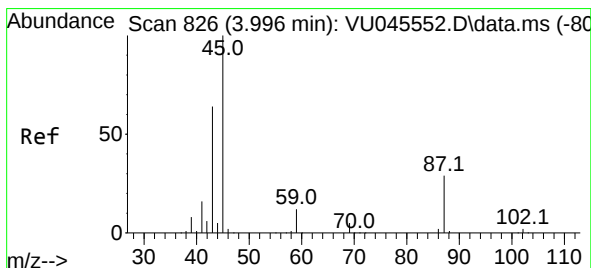
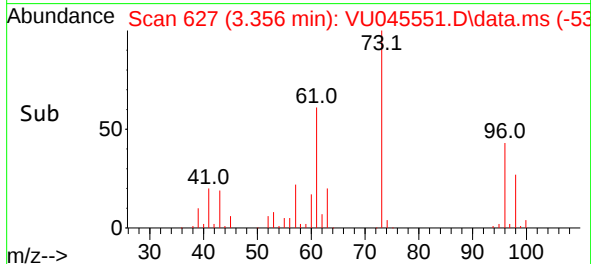
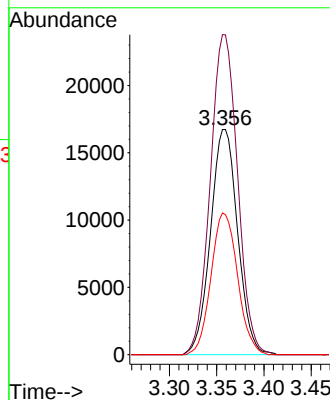
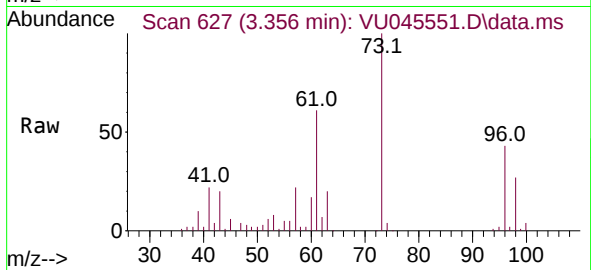




#21  
trans-1,2-Dichloroethene  
Concen: 19.875 ug/l  
RT: 3.356 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

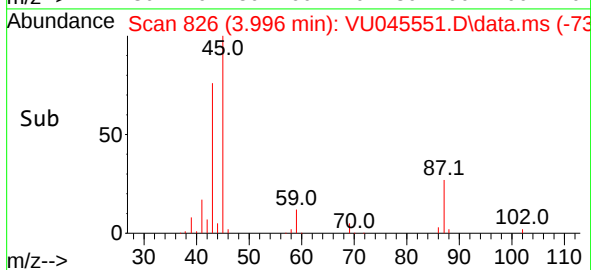
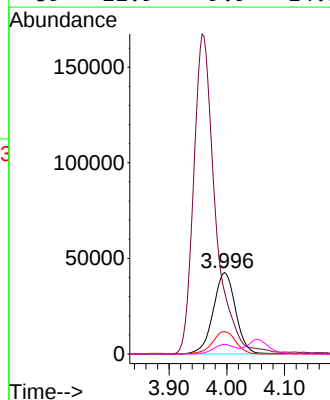
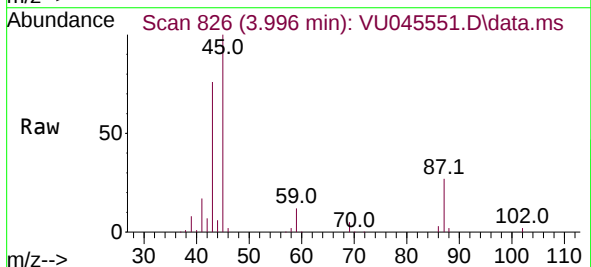
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ClientSampleId :  
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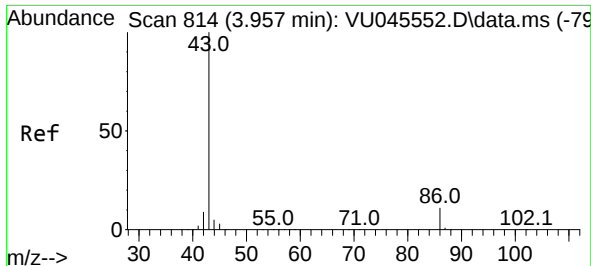
Tgt Ion: 96 Resp: 33439  
Ion Ratio Lower Upper  
96 100  
61 142.1 118.2 177.4  
98 62.9 52.1 78.1



#22  
Diisopropyl ether  
Concen: 20.515 ug/l  
RT: 3.996 min Scan# 826  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 45 Resp: 115010  
Ion Ratio Lower Upper  
45 100  
43 74.2 60.0 90.0  
87 27.3 22.3 33.5  
59 11.9 9.9 14.9

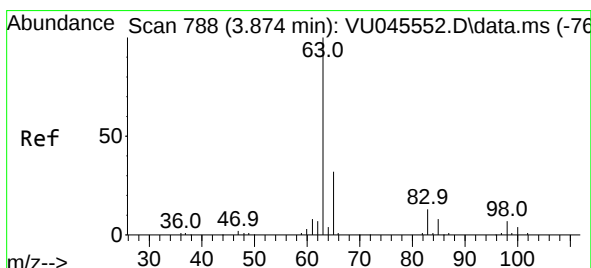
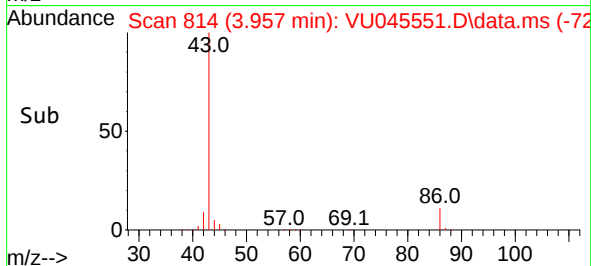
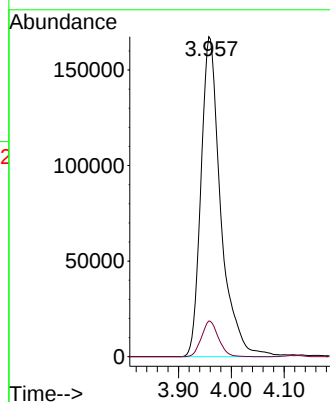
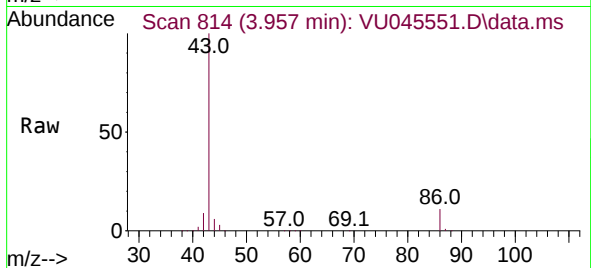




#23  
 Vinyl Acetate  
 Concen: 100.244 ug/l  
 RT: 3.957 min Scan# 814  
 Delta R.T. -0.000 min  
 Lab File: VU045551.D  
 Acq: 05 Nov 2021 11:14

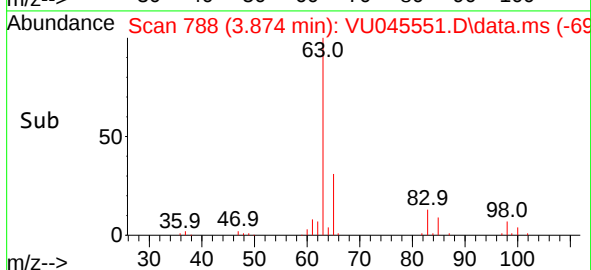
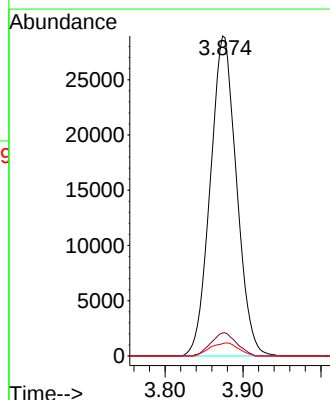
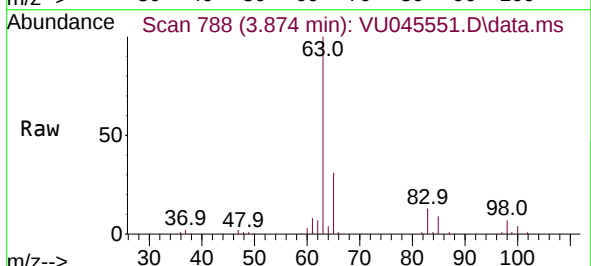
Instrument :  
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 ClientSampleId :  
 VSTDIC020

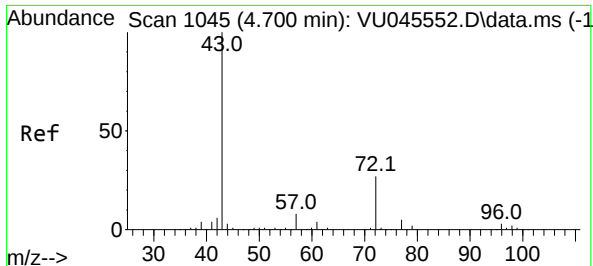
Tgt Ion: 43 Resp: 435929  
 Ion Ratio Lower Upper  
 43 100  
 86 11.1 8.9 13.3



#24  
 1,1-Dichloroethane  
 Concen: 20.618 ug/l  
 RT: 3.874 min Scan# 788  
 Delta R.T. -0.000 min  
 Lab File: VU045551.D  
 Acq: 05 Nov 2021 11:14

Tgt Ion: 63 Resp: 67733  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.5 10.6  
 100 3.8 2.4 7.2





#25

2-Butanone

Concen: 104.382 ug/l

RT: 4.700 min Scan# 1045

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

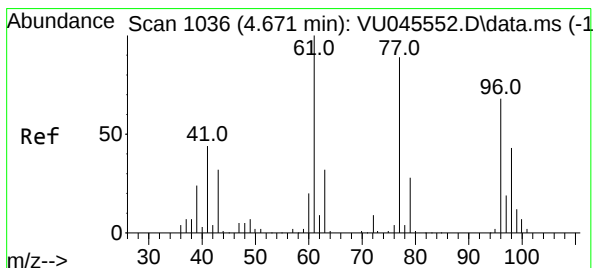
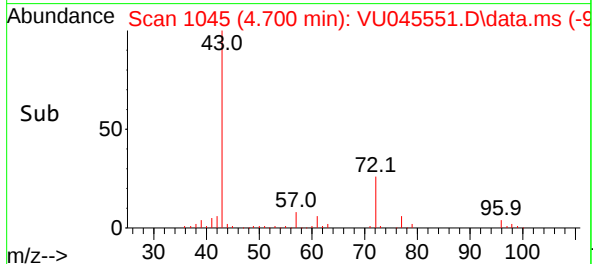
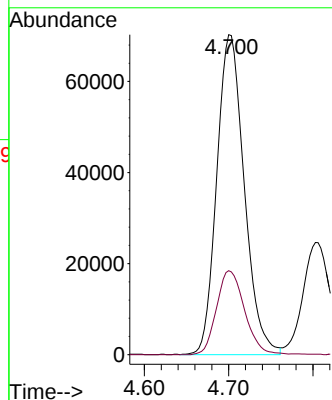
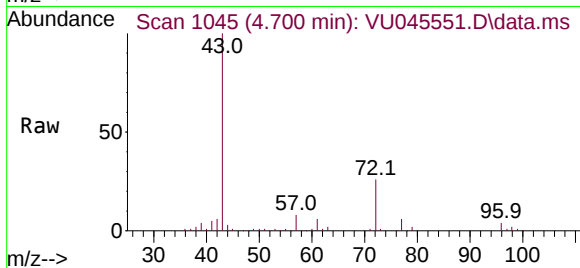
VSTDIC020

Tgt Ion: 43 Resp: 159158

Ion Ratio Lower Upper

43 100

72 26.2 22.0 33.0



#26

2,2-Dichloropropane

Concen: 21.824 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU045551.D

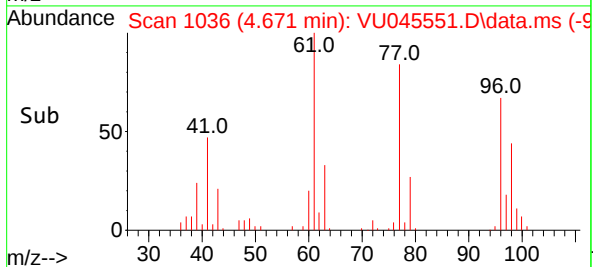
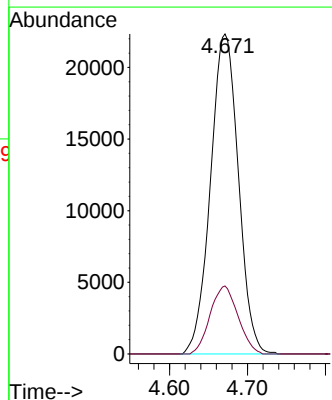
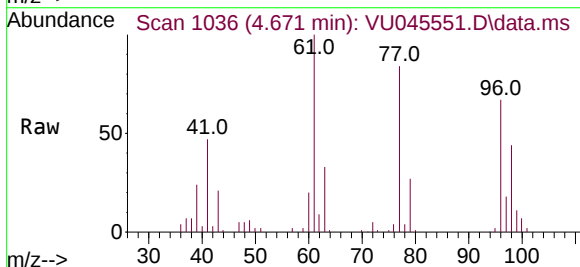
Acq: 05 Nov 2021 11:14

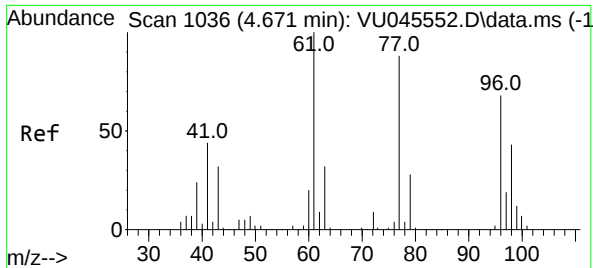
Tgt Ion: 77 Resp: 55543

Ion Ratio Lower Upper

77 100

97 21.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 20.029 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC020

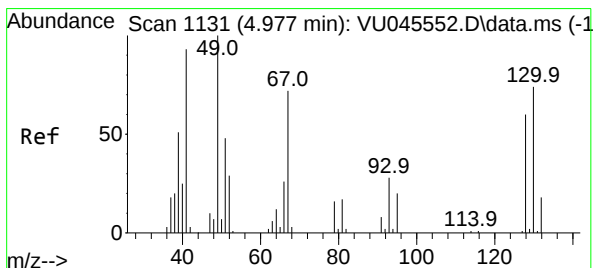
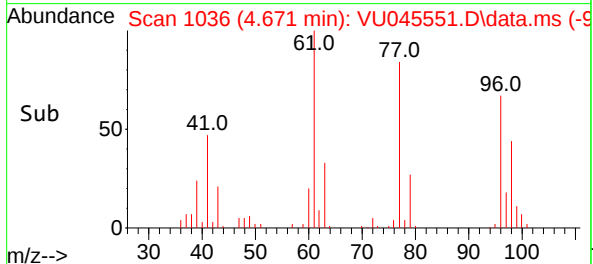
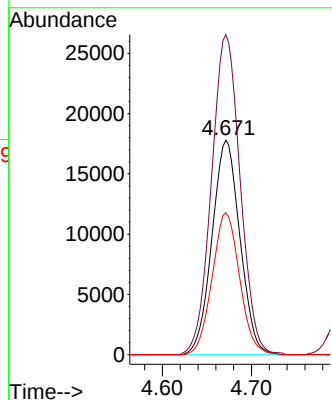
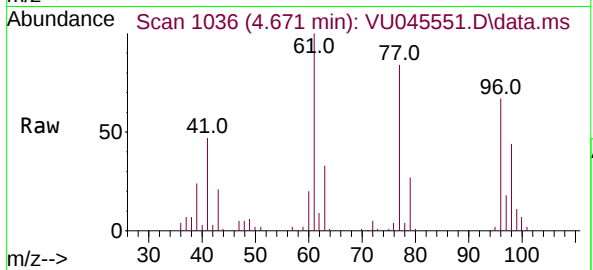
Tgt Ion: 96 Resp: 38776

Ion Ratio Lower Upper

96 100

61 153.3 0.0 299.2

98 65.0 0.0 127.6



#28

Bromochloromethane

Concen: 19.465 ug/l

RT: 4.977 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

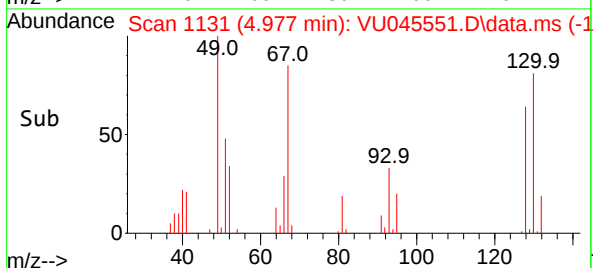
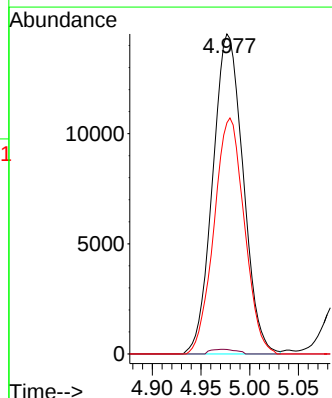
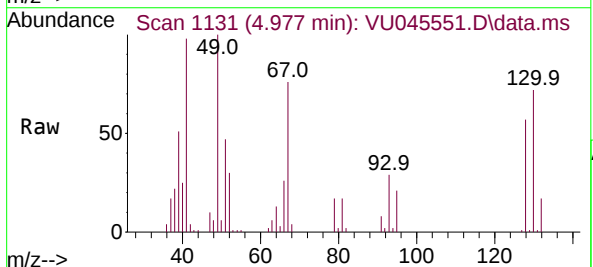
Tgt Ion: 49 Resp: 31542

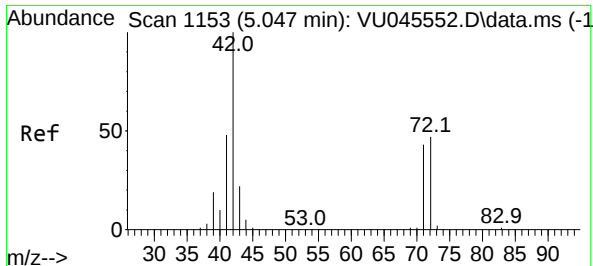
Ion Ratio Lower Upper

49 100

129 1.2 0.0 3.4

130 73.5 57.5 86.3





#29

Tetrahydrofuran

Concen: 98.088 ug/l

RT: 5.051 min Scan# 1154

Delta R.T. 0.003 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC020

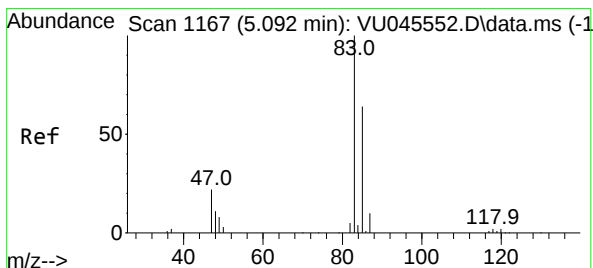
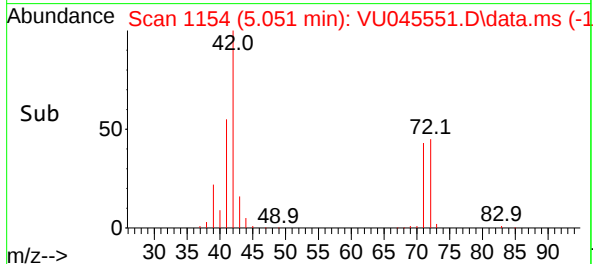
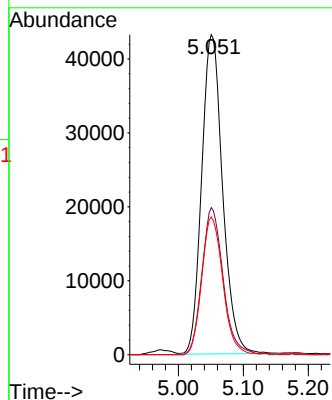
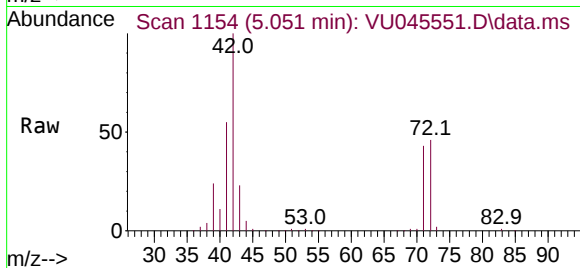
Tgt Ion: 42 Resp: 96993

Ion Ratio Lower Upper

42 100

72 46.4 38.2 57.4

71 43.3 35.4 53.2



#30

Chloroform

Concen: 20.506 ug/l

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU045551.D

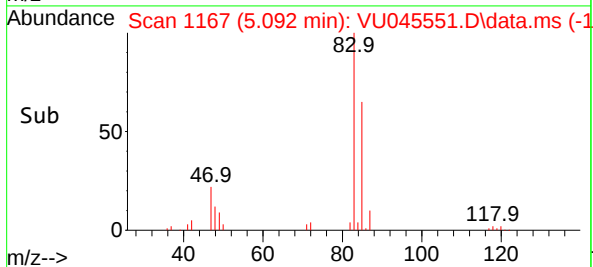
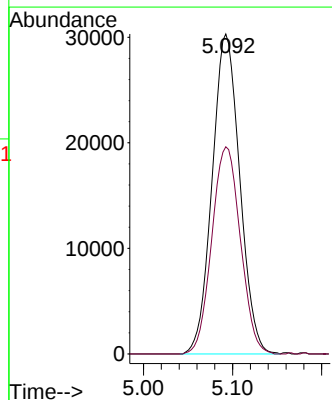
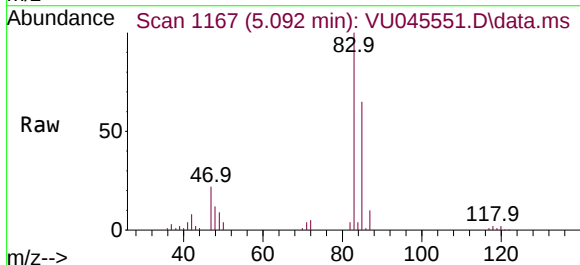
Acq: 05 Nov 2021 11:14

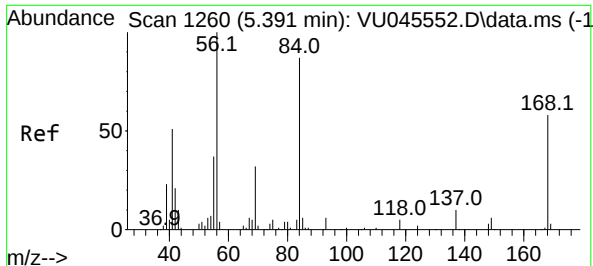
Tgt Ion: 83 Resp: 65321

Ion Ratio Lower Upper

83 100

85 64.7 52.0 78.0





#31

Cyclohexane

Concen: 18.589 ug/l

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC020

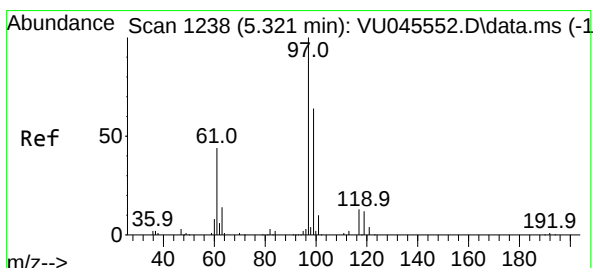
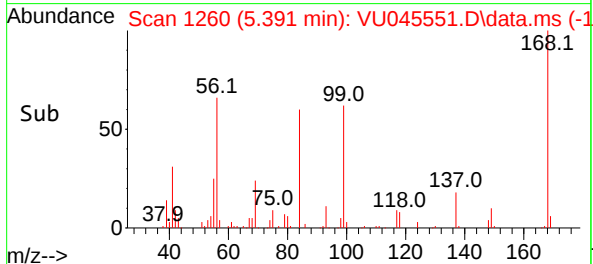
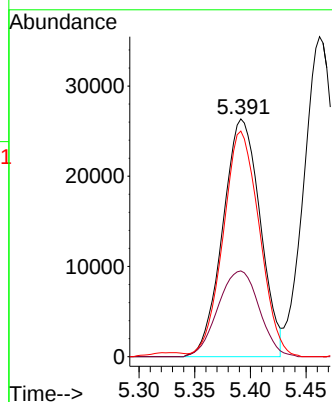
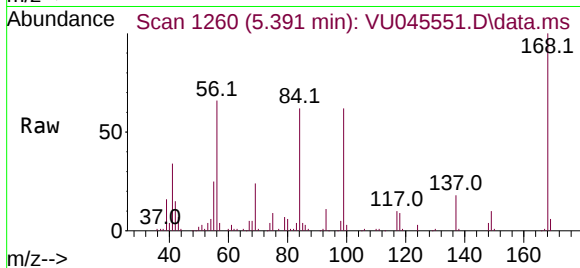
Tgt Ion: 56 Resp: 61573

Ion Ratio Lower Upper

56 100

69 36.1 26.4 39.6

84 93.4 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 21.720 ug/l

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

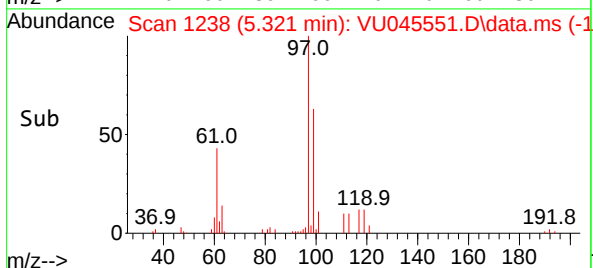
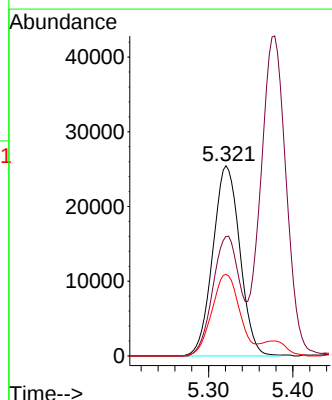
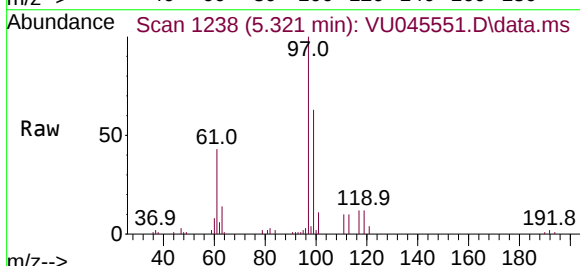
Tgt Ion: 97 Resp: 56782

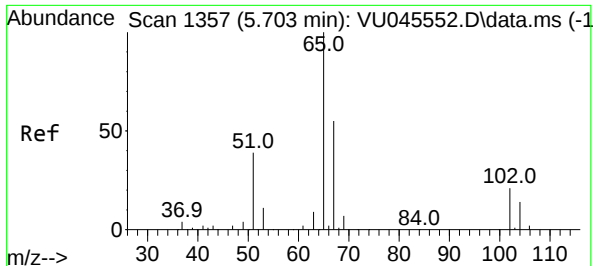
Ion Ratio Lower Upper

97 100

99 63.9 50.8 76.2

61 44.2 38.3 57.5





#33

1,2-Dichloroethane-d4

Concen: 18.995 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

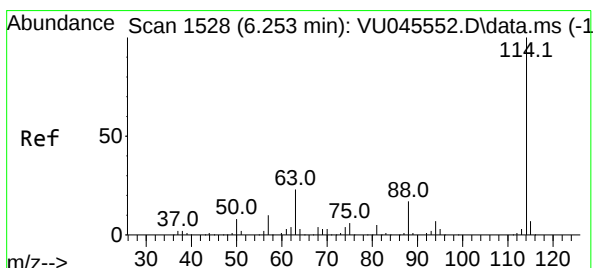
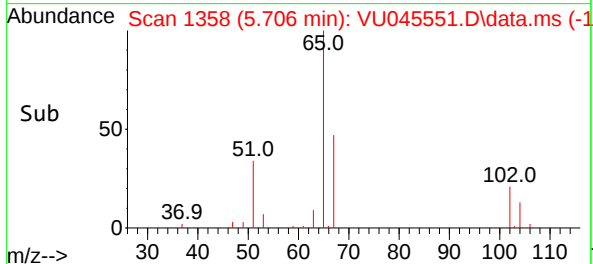
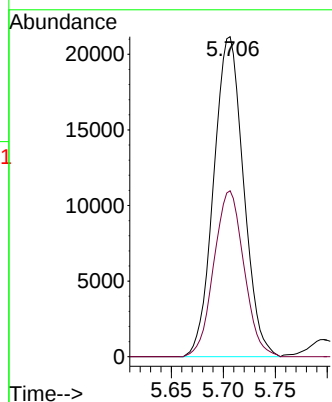
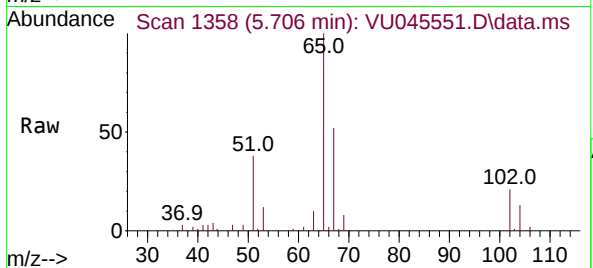
VSTDIC020

Tgt Ion: 65 Resp: 42260

Ion Ratio Lower Upper

65 100

67 52.3 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

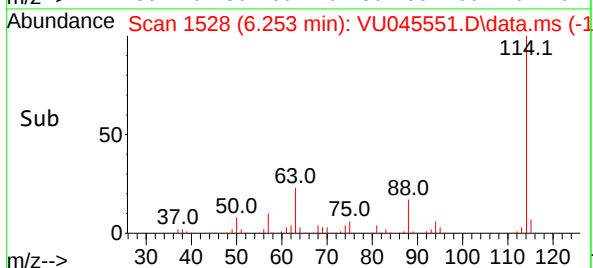
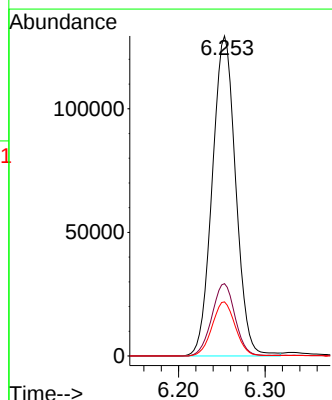
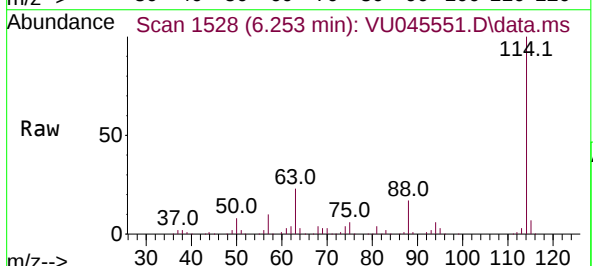
Tgt Ion: 114 Resp: 243310

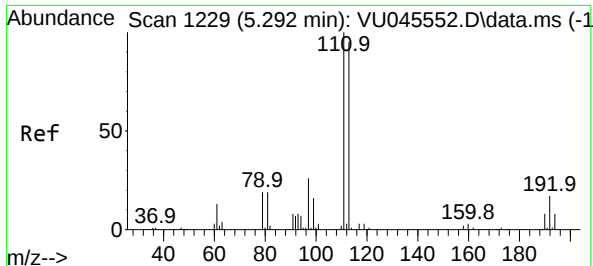
Ion Ratio Lower Upper

114 100

63 22.6 0.0 45.6

88 16.9 0.0 33.8

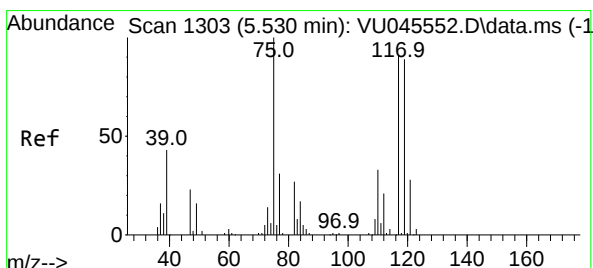
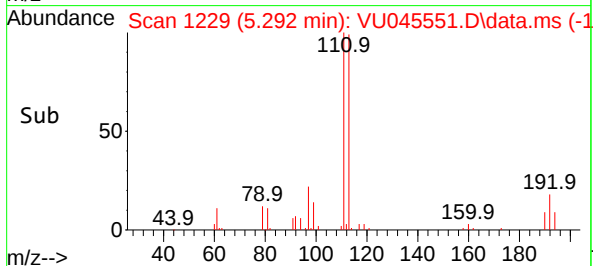
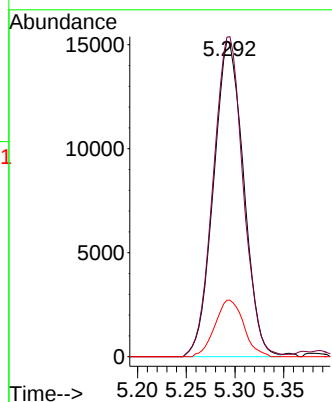
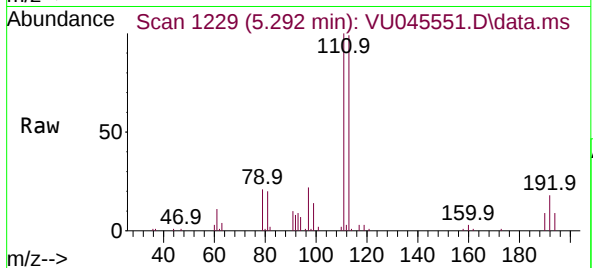




#35  
Dibromofluoromethane  
Concen: 21.039 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

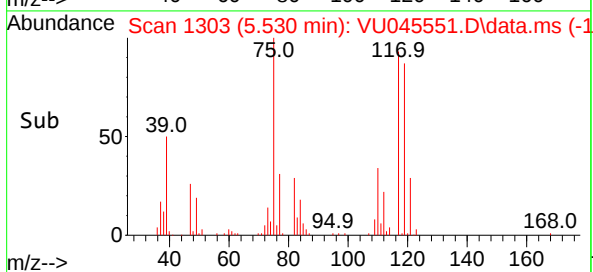
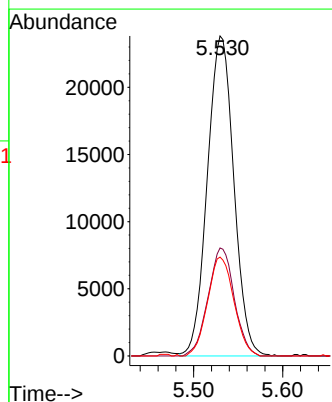
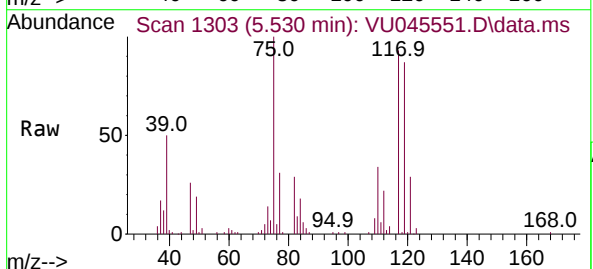
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

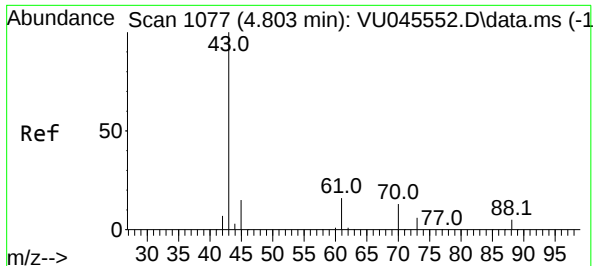
Tgt Ion:113 Resp: 32549  
Ion Ratio Lower Upper  
113 100  
111 101.3 82.8 124.2  
192 17.1 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 21.240 ug/l  
RT: 5.530 min Scan# 1303  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 75 Resp: 49195  
Ion Ratio Lower Upper  
75 100  
110 33.3 16.7 50.0  
77 30.7 25.0 37.4





#37

Ethyl Acetate

Concen: 19.908 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC020

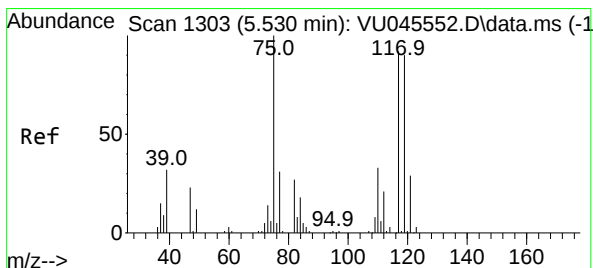
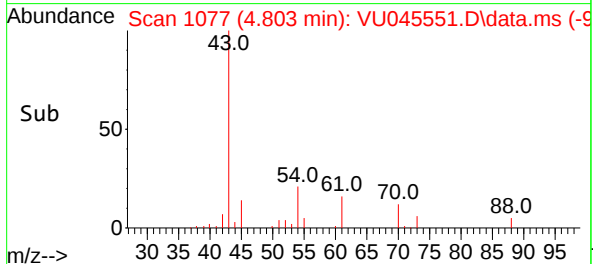
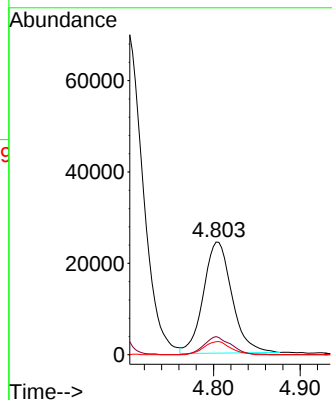
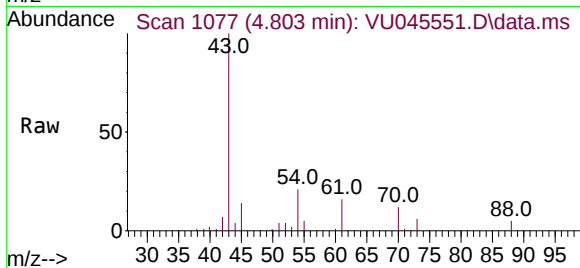
Tgt Ion: 43 Resp: 55843

Ion Ratio Lower Upper

43 100

61 15.3 11.6 17.4

70 11.0 9.1 13.7



#38

Carbon Tetrachloride

Concen: 23.955 ug/l

RT: 5.530 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

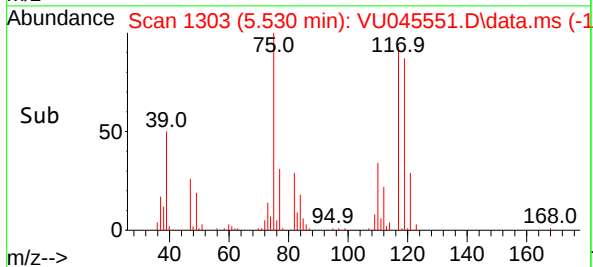
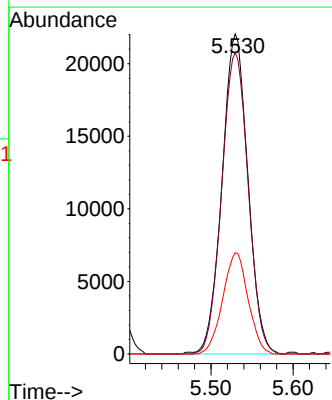
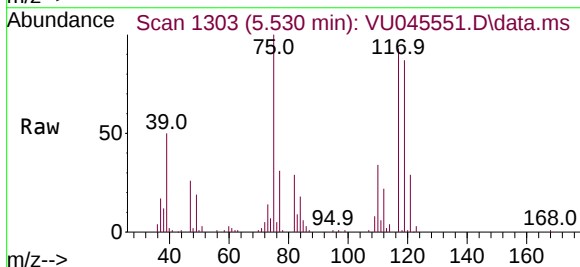
Tgt Ion: 117 Resp: 48389

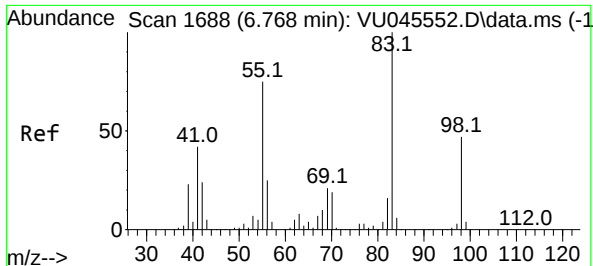
Ion Ratio Lower Upper

117 100

119 94.2 77.4 116.0

121 31.6 24.8 37.2





#39

Methylcyclohexane

Concen: 20.624 ug/l

RT: 6.767 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC020

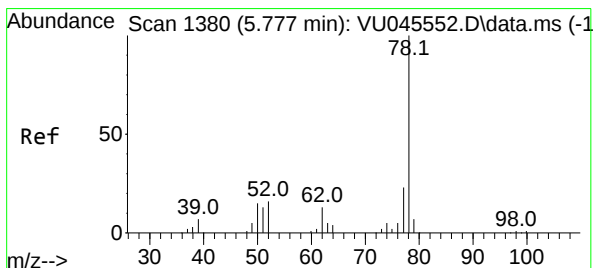
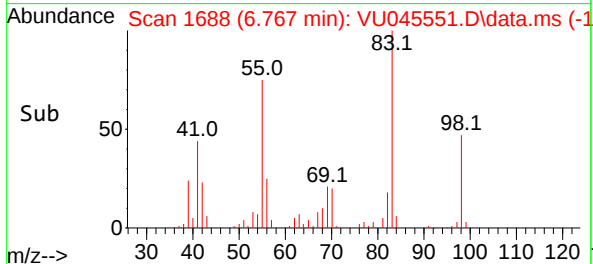
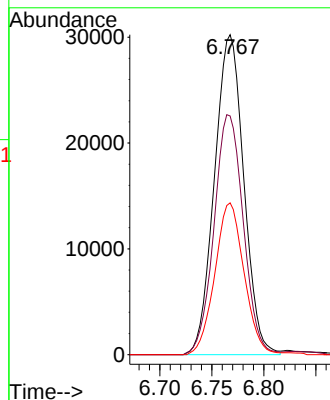
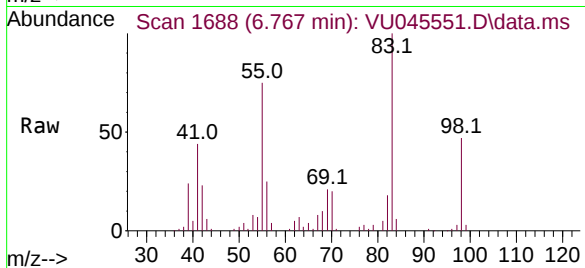
Tgt Ion: 83 Resp: 59402

Ion Ratio Lower Upper

83 100

55 74.6 63.6 95.4

98 47.5 37.1 55.7



#40

Benzene

Concen: 20.707 ug/l

RT: 5.777 min Scan# 1380

Delta R.T. -0.000 min

Lab File: VU045551.D

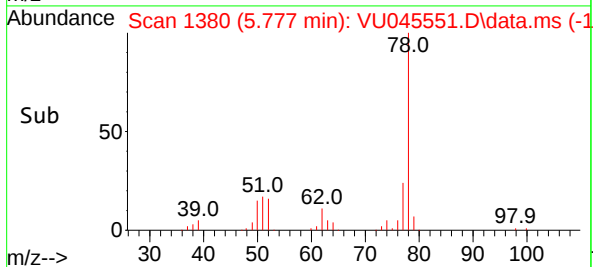
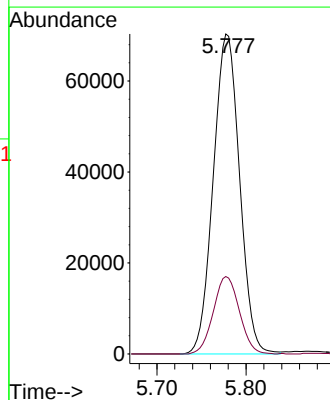
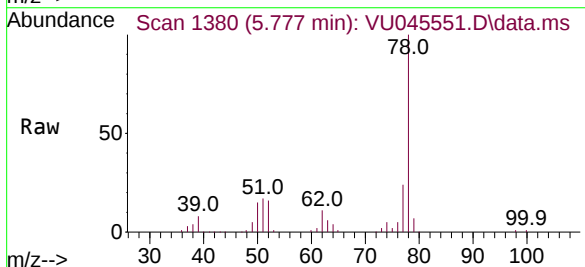
Acq: 05 Nov 2021 11:14

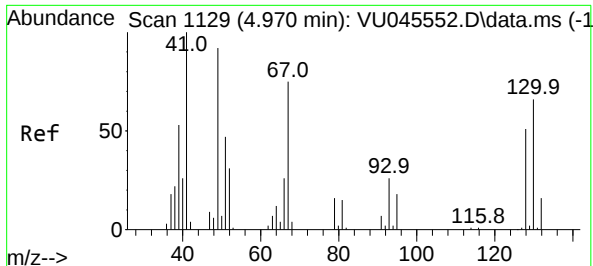
Tgt Ion: 78 Resp: 144371

Ion Ratio Lower Upper

78 100

77 24.2 19.0 28.4



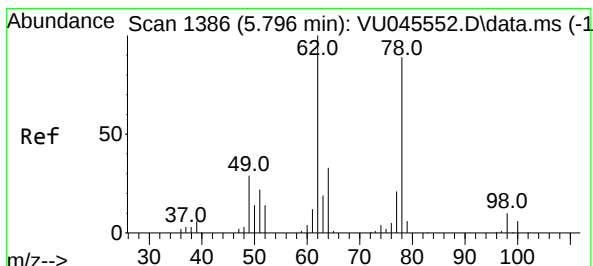
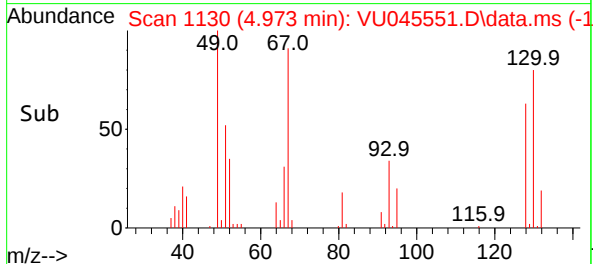
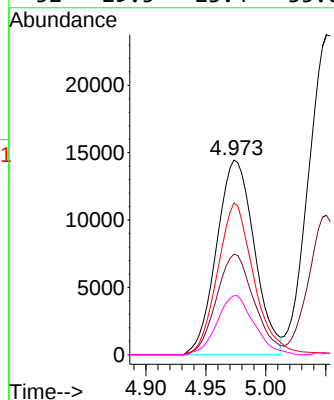
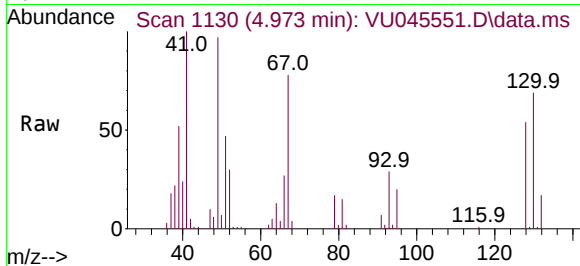


#41  
Methacrylonitrile  
Concen: 21.336 ug/l  
RT: 4.973 min Scan# 1129  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

Tgt Ion: 41 Resp: 31672

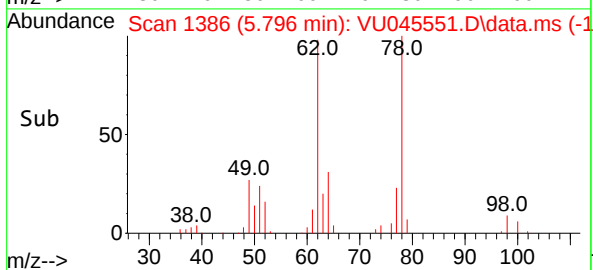
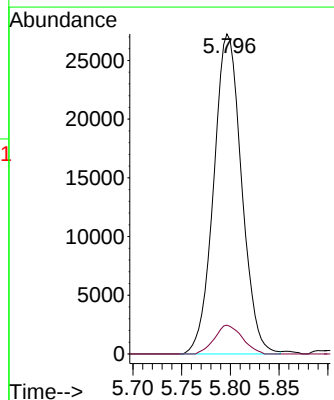
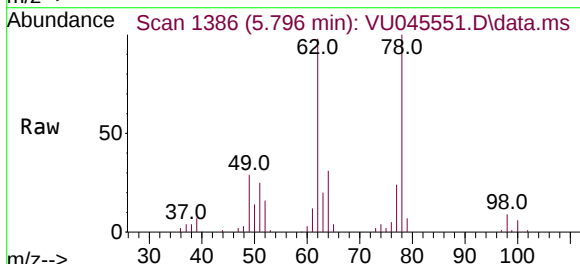
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 51.6  | 43.4  | 65.0  |
| 67  | 74.9  | 61.0  | 91.4  |
| 52  | 29.5  | 23.4  | 35.0  |

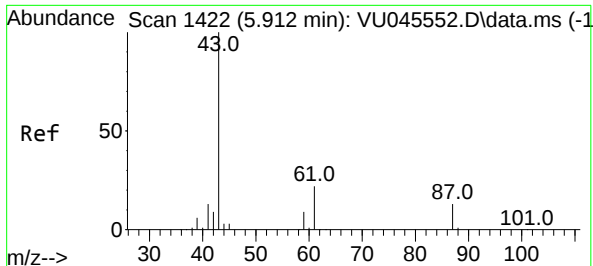


#42  
1,2-Dichloroethane  
Concen: 21.197 ug/l  
RT: 5.796 min Scan# 1386  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 62 Resp: 54278

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.9   | 0.0   | 18.4  |

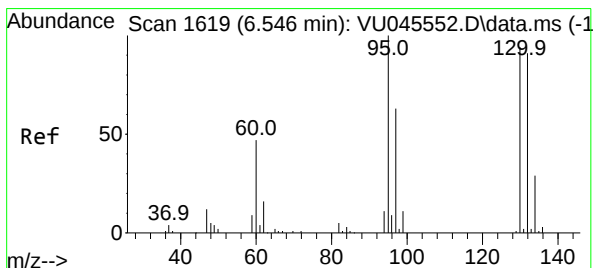
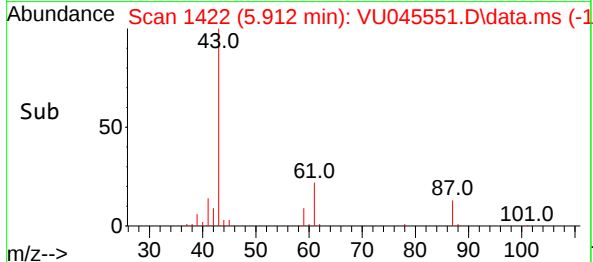
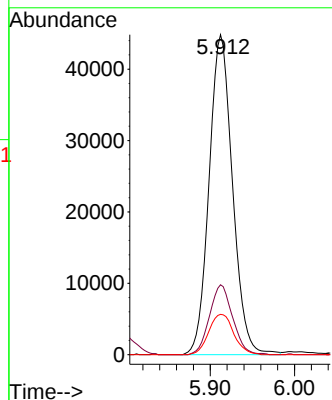
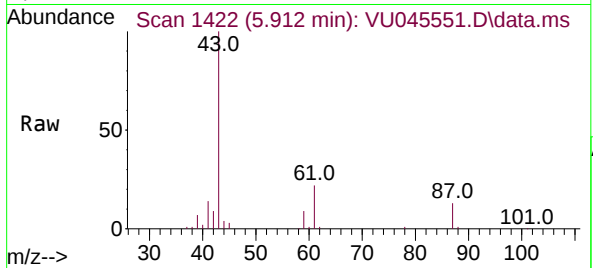




#43  
Isopropyl Acetate  
Concen: 20.489 ug/l  
RT: 5.912 min Scan# 1422  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

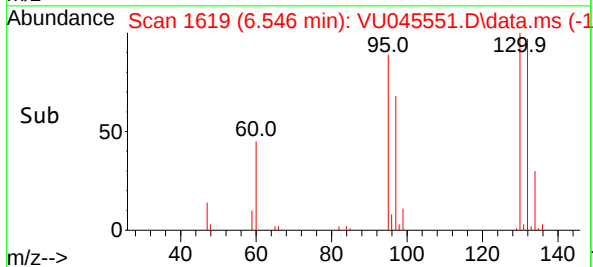
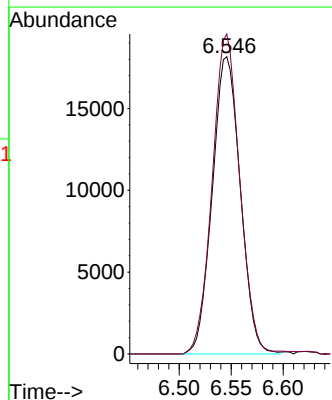
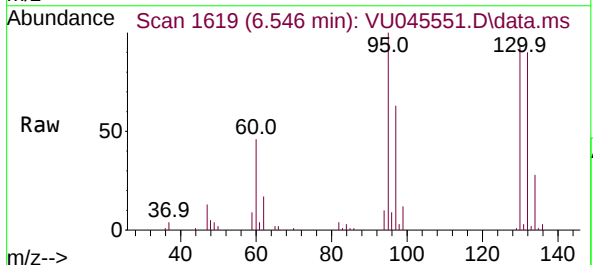
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

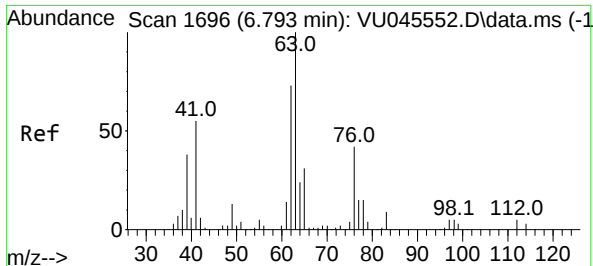
Tgt Ion: 43 Resp: 86610  
Ion Ratio Lower Upper  
43 100  
61 21.6 16.9 25.3  
87 13.4 11.0 16.4



#44  
Trichloroethene  
Concen: 21.077 ug/l  
RT: 6.546 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 130 Resp: 34058  
Ion Ratio Lower Upper  
130 100  
95 107.6 0.0 211.4





#45

1,2-Dichloropropane

Concen: 21.030 ug/l

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

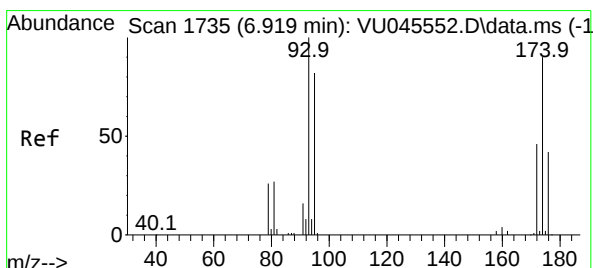
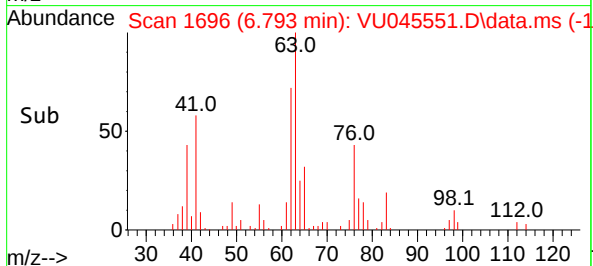
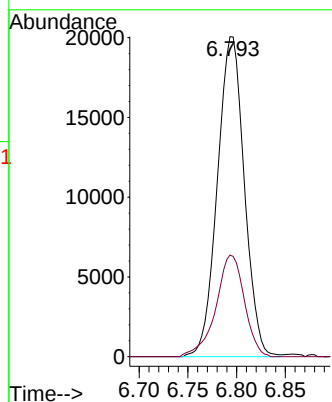
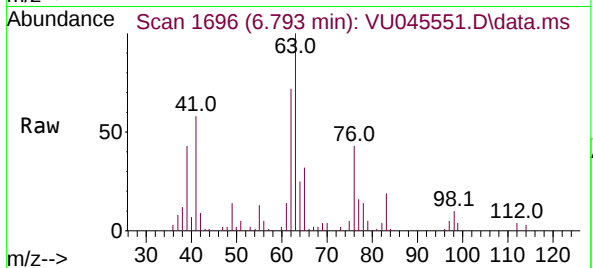
VSTDICC020

Tgt Ion: 63 Resp: 38587

Ion Ratio Lower Upper

63 100

65 31.7 25.7 38.5



#46

Dibromomethane

Concen: 22.245 ug/l

RT: 6.922 min Scan# 1736

Delta R.T. 0.003 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

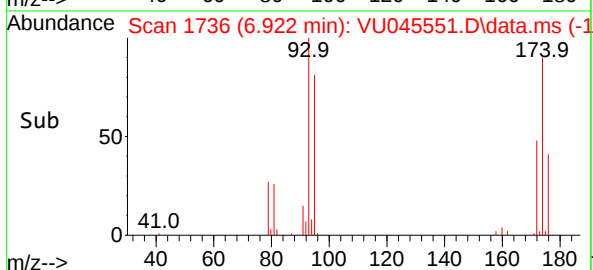
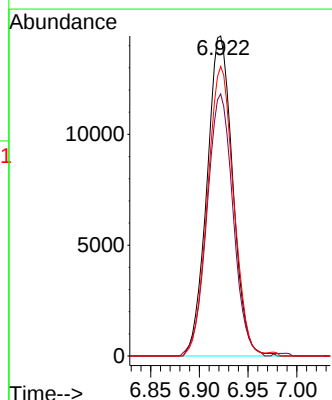
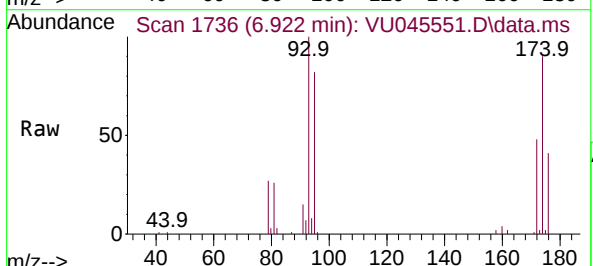
Tgt Ion: 93 Resp: 26576

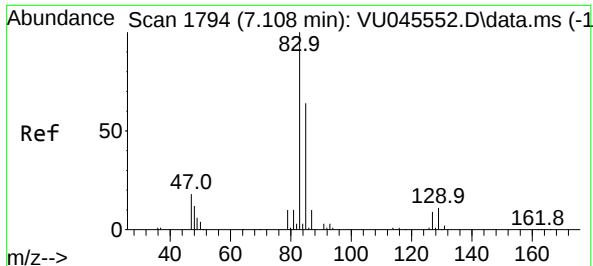
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.2

174 91.5 71.0 106.6





#47

Bromodichloromethane

Concen: 21.716 ug/l

RT: 7.108 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC020

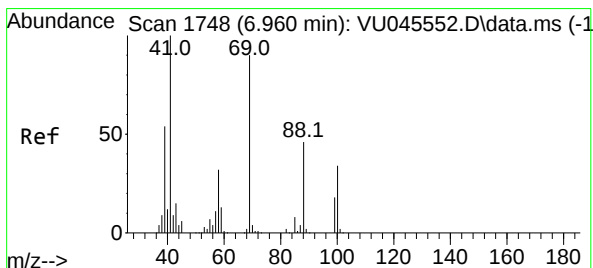
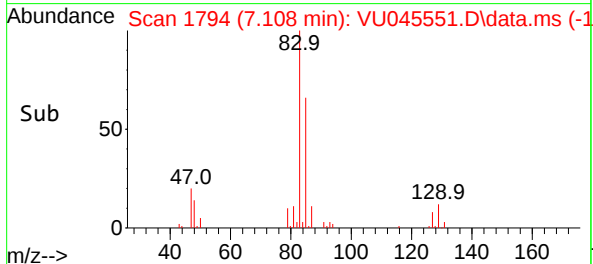
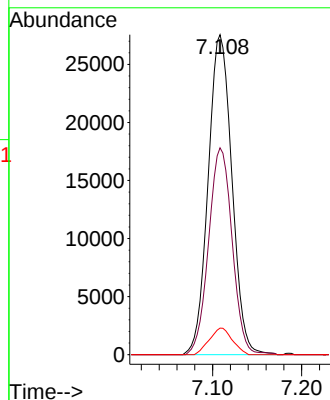
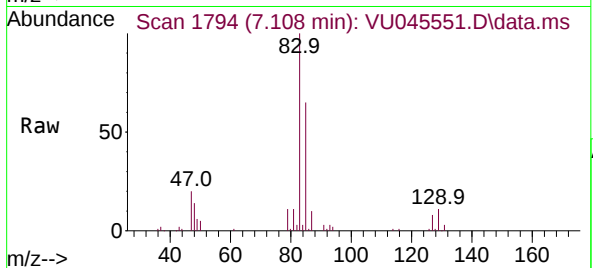
Tgt Ion: 83 Resp: 51060

Ion Ratio Lower Upper

83 100

85 64.6 49.8 74.6

127 8.3 6.2 9.2



#48

Methyl methacrylate

Concen: 19.857 ug/l

RT: 6.960 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

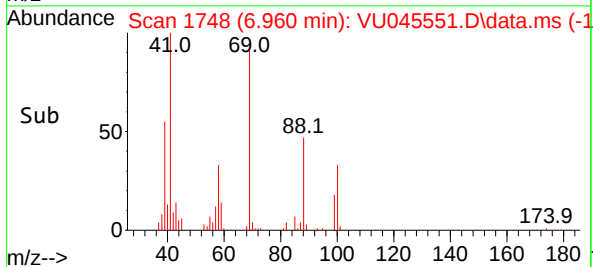
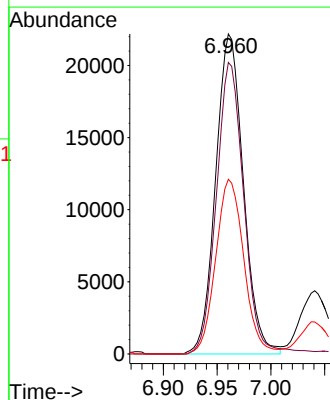
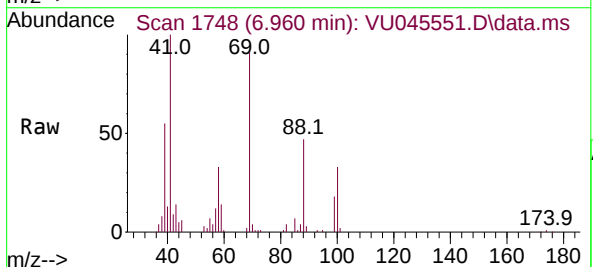
Tgt Ion: 41 Resp: 39786

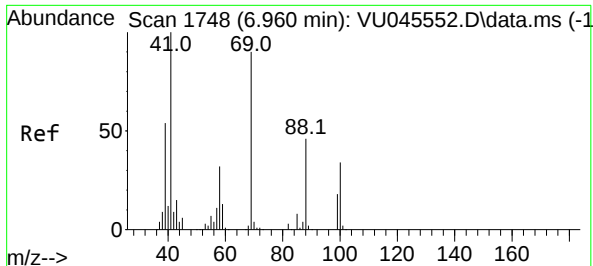
Ion Ratio Lower Upper

41 100

69 90.2 70.2 105.2

39 55.2 43.9 65.9





#49

1,4-Dioxane

Concen: 404.450 ug/l

RT: 6.964 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC020

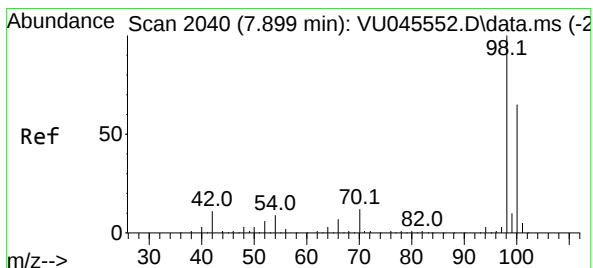
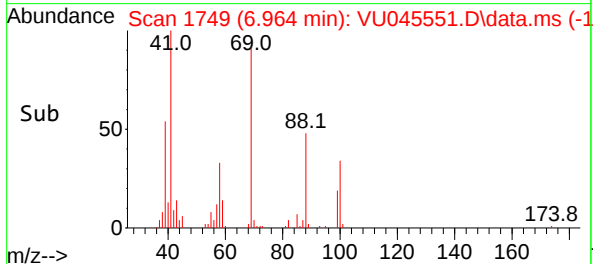
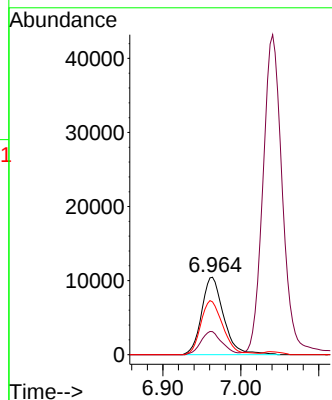
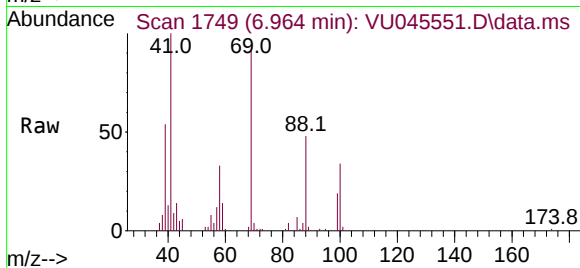
Tgt Ion: 88 Resp: 20595

Ion Ratio Lower Upper

88 100

43 28.6 0.0 0.0#

58 69.9 58.7 88.1



#50

Toluene-d8

Concen: 20.427 ug/l

RT: 7.902 min Scan# 2041

Delta R.T. 0.003 min

Lab File: VU045551.D

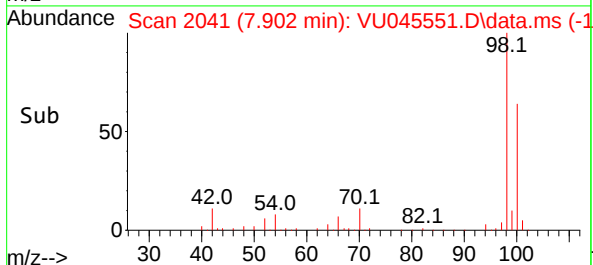
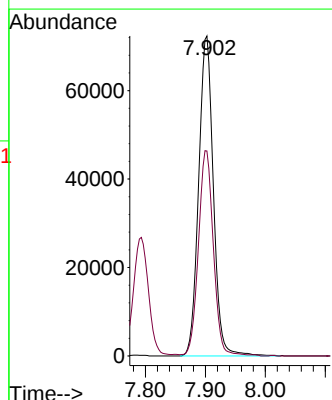
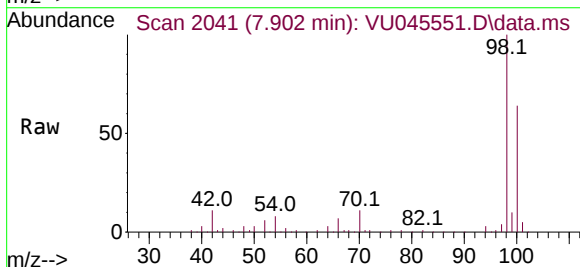
Acq: 05 Nov 2021 11:14

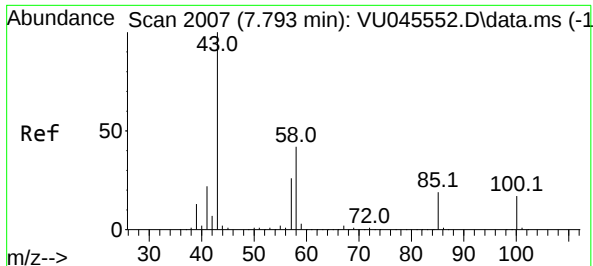
Tgt Ion: 98 Resp: 123923

Ion Ratio Lower Upper

98 100

100 65.2 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 106.450 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

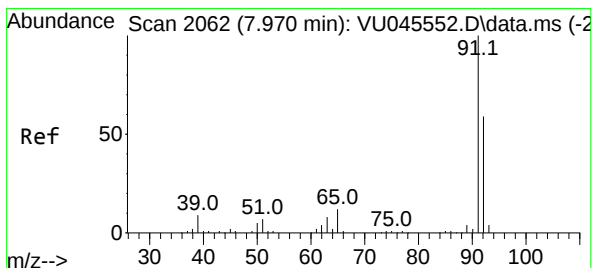
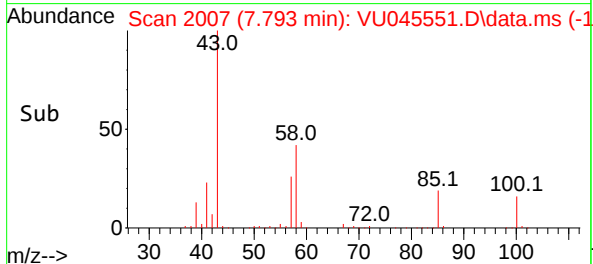
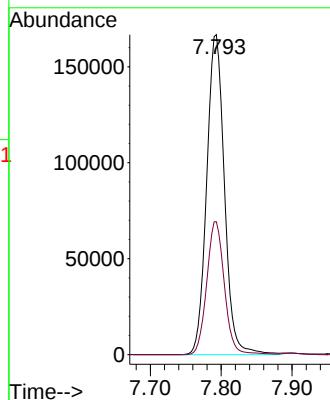
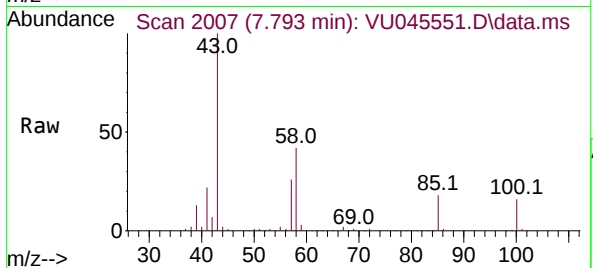
VSTDIC020

Tgt Ion: 43 Resp: 290843

Ion Ratio Lower Upper

43 100

58 41.3 33.8 50.8



#52

Toluene

Concen: 21.541 ug/l

RT: 7.973 min Scan# 2063

Delta R.T. 0.003 min

Lab File: VU045551.D

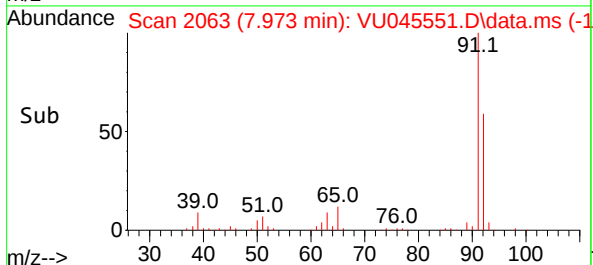
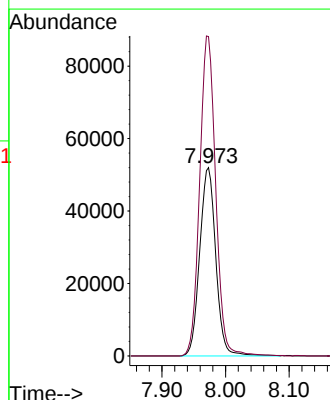
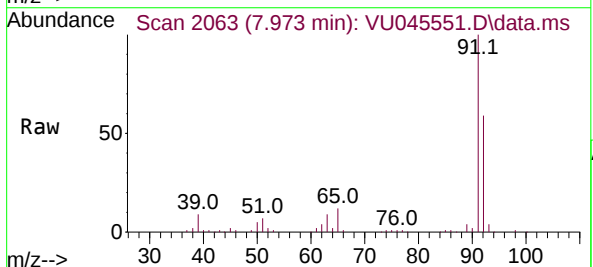
Acq: 05 Nov 2021 11:14

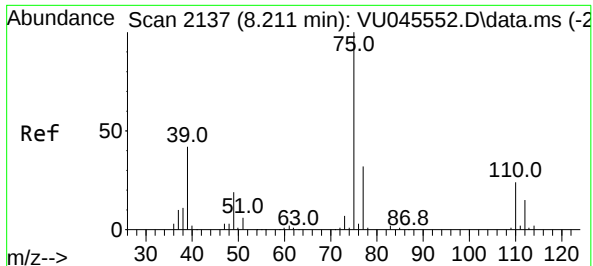
Tgt Ion: 92 Resp: 91297

Ion Ratio Lower Upper

92 100

91 169.3 135.6 203.4





#53

t-1,3-Dichloropropene

Concen: 21.633 ug/l

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

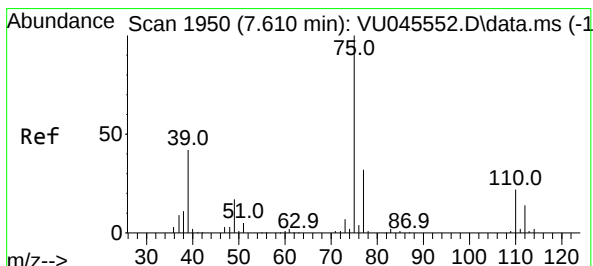
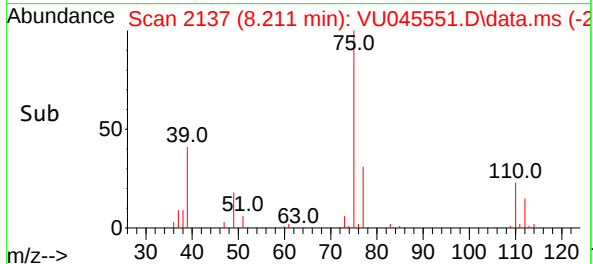
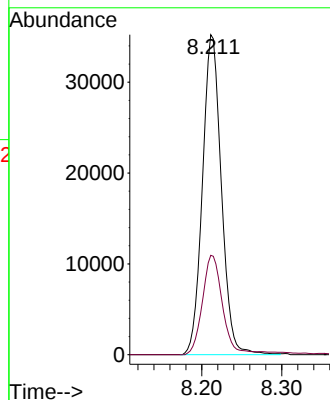
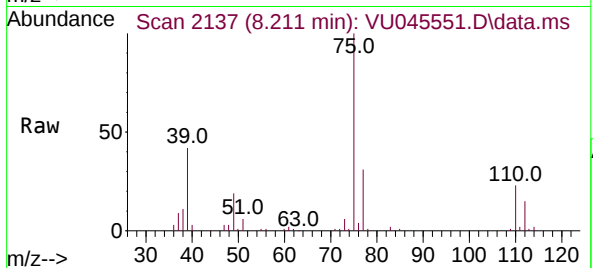
VSTDIC020

Tgt Ion: 75 Resp: 57974

Ion Ratio Lower Upper

75 100

77 31.0 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 21.574 ug/l

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

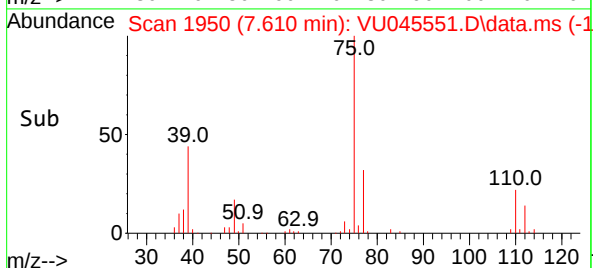
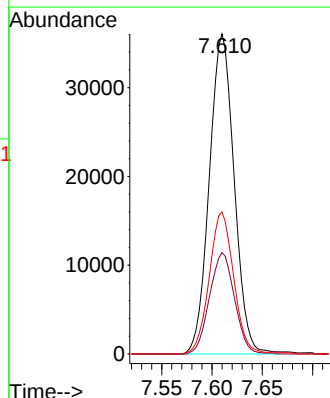
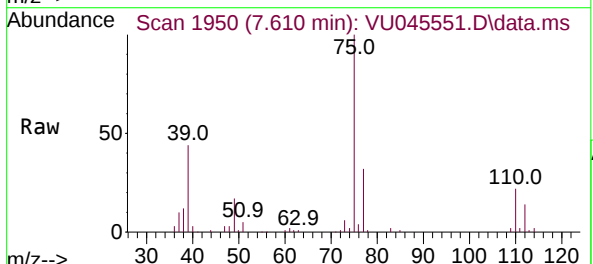
Tgt Ion: 75 Resp: 61916

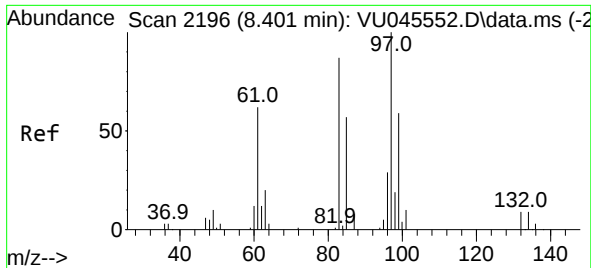
Ion Ratio Lower Upper

75 100

77 31.6 24.6 37.0

39 44.4 37.1 55.7

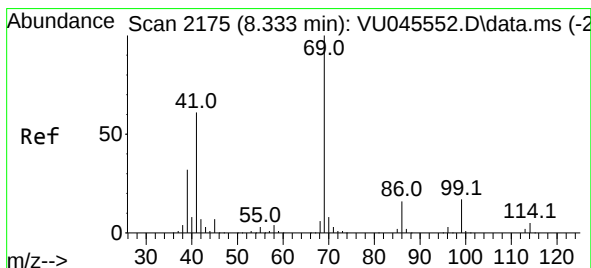
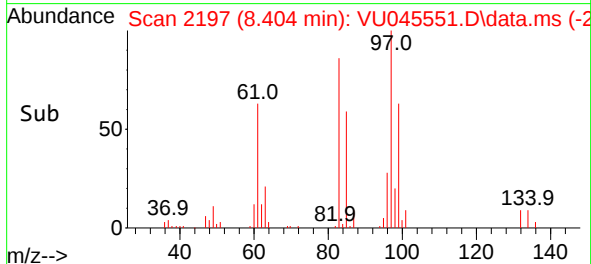
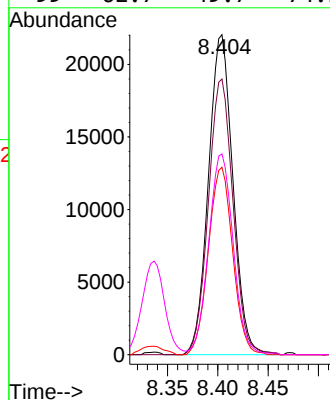
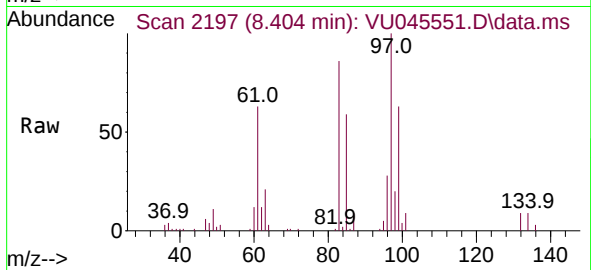




#55  
1,1,2-Trichloroethane  
Concen: 21.578 ug/l  
RT: 8.404 min Scan# 2196  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

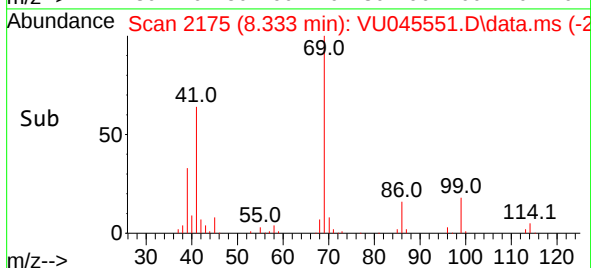
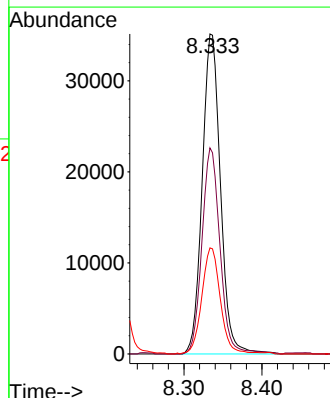
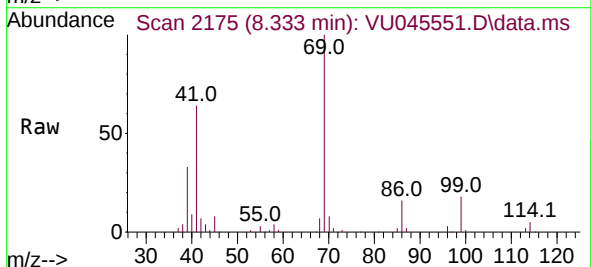
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

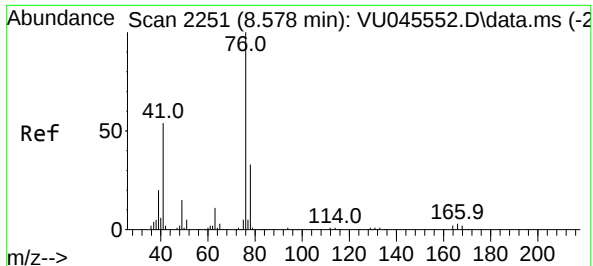
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 37355 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.1  | 70.3  | 105.5 |
| 85       | 58.5  | 45.5  | 68.3  |
| 99       | 62.7  | 49.7  | 74.5  |



#56  
Ethyl methacrylate  
Concen: 20.723 ug/l  
RT: 8.333 min Scan# 2175  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 57157 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 63.8  | 51.0  | 76.4  |
| 39       | 33.8  | 26.6  | 39.8  |





#57

1,3-Dichloropropane

Concen: 21.751 ug/l

RT: 8.578 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

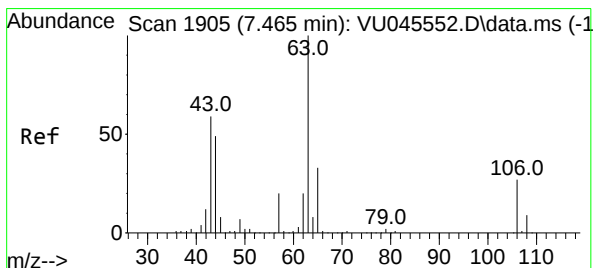
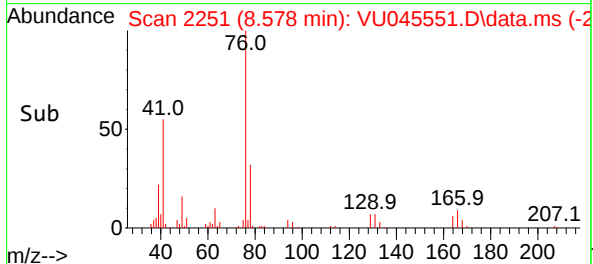
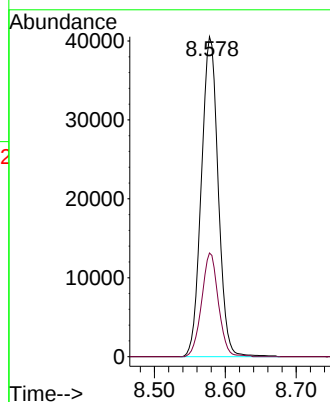
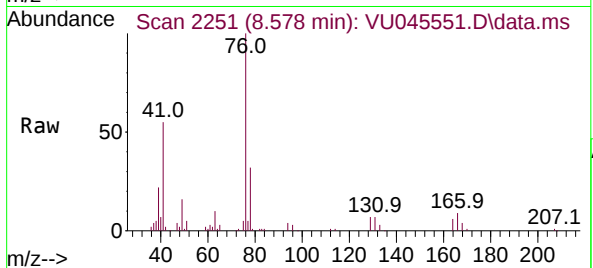
VSTDICC020

Tgt Ion: 76 Resp: 66841

Ion Ratio Lower Upper

76 100

78 32.2 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 99.227 ug/l

RT: 7.465 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VU045551.D

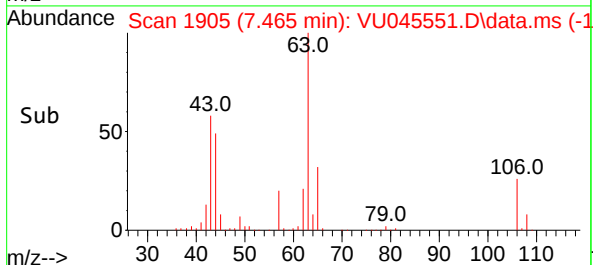
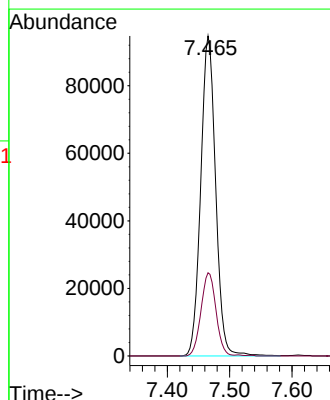
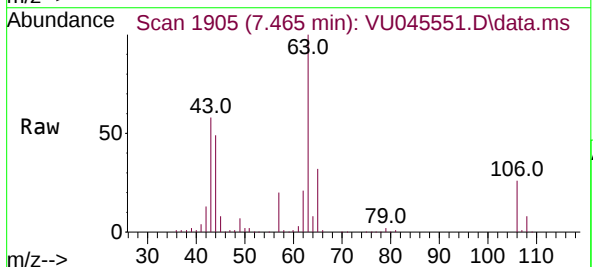
Acq: 05 Nov 2021 11:14

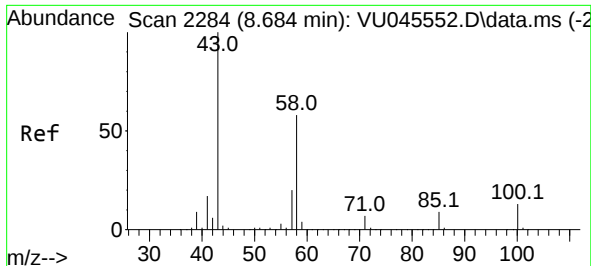
Tgt Ion: 63 Resp: 157456

Ion Ratio Lower Upper

63 100

106 26.0 21.0 31.4





#59

2-Hexanone

Concen: 108.070 ug/l

RT: 8.684 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

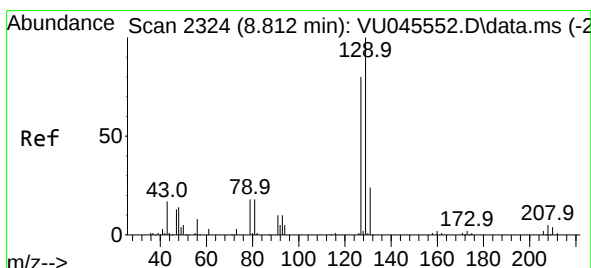
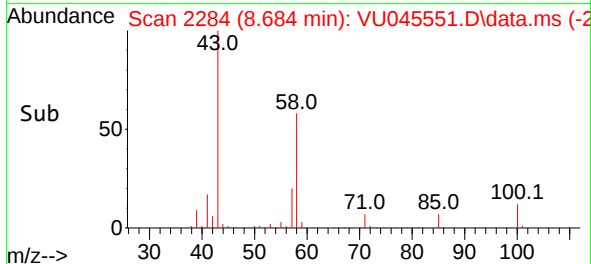
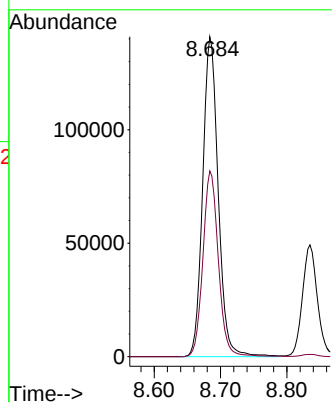
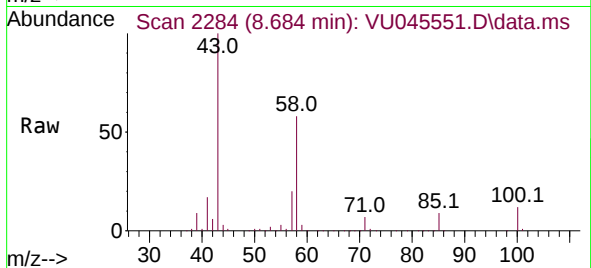
VSTDIC020

Tgt Ion: 43 Resp: 228771

Ion Ratio Lower Upper

43 100

58 57.9 29.5 88.6



#60

Dibromochloromethane

Concen: 22.621 ug/l

RT: 8.812 min Scan# 2324

Delta R.T. -0.000 min

Lab File: VU045551.D

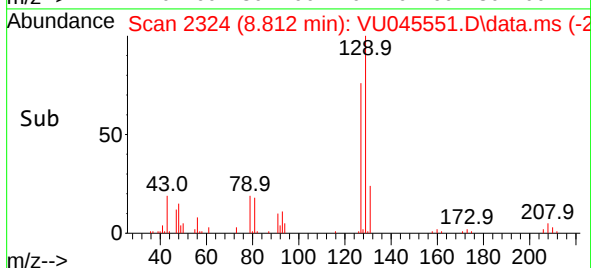
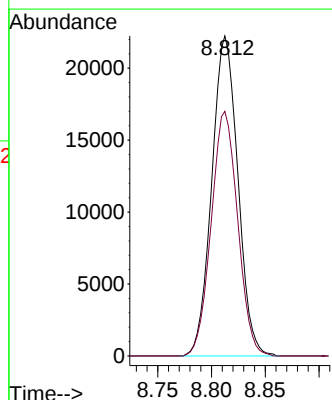
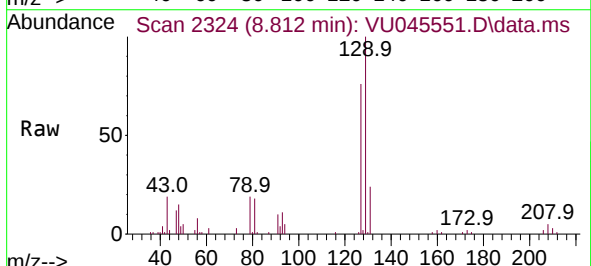
Acq: 05 Nov 2021 11:14

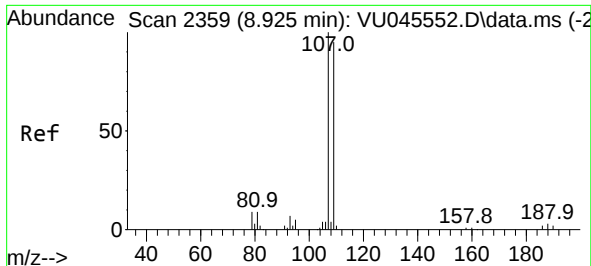
Tgt Ion: 129 Resp: 37583

Ion Ratio Lower Upper

129 100

127 77.4 38.5 115.3

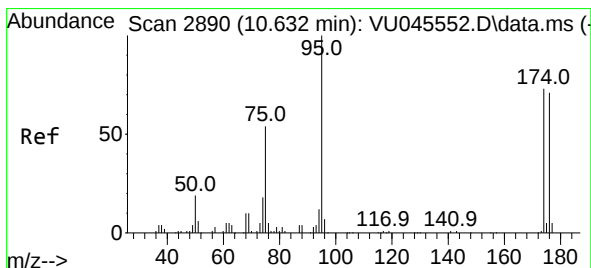
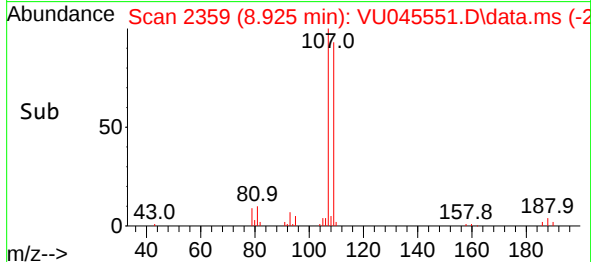
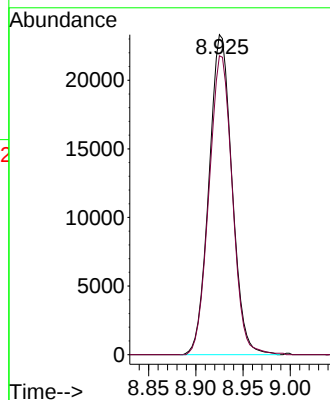
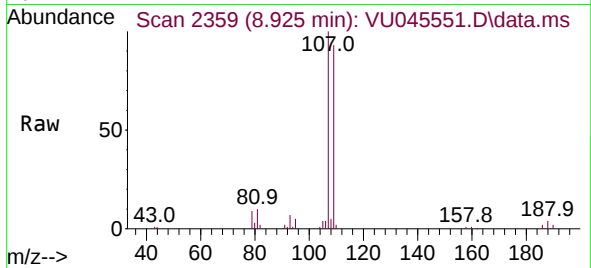




#61  
1,2-Dibromoethane  
Concen: 21.832 ug/l  
RT: 8.925 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

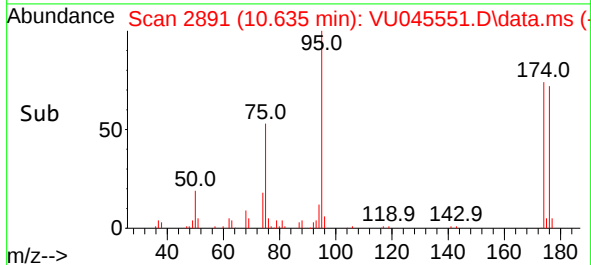
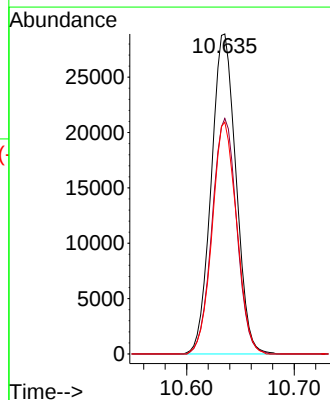
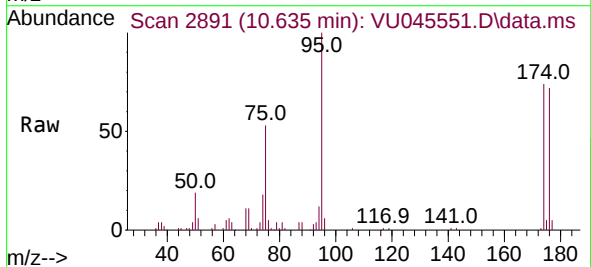
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

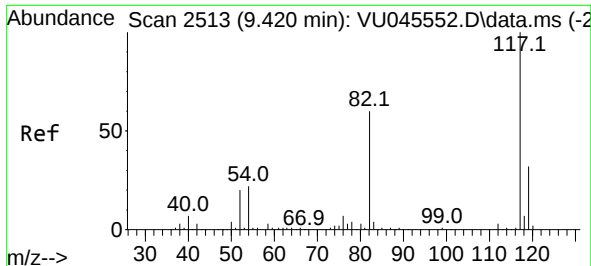
Tgt Ion:107 Resp: 39588  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.8 113.8



#62  
4-Bromofluorobenzene  
Concen: 19.978 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 95 Resp: 46184  
Ion Ratio Lower Upper  
95 100  
174 73.2 0.0 141.8  
176 71.8 0.0 138.2

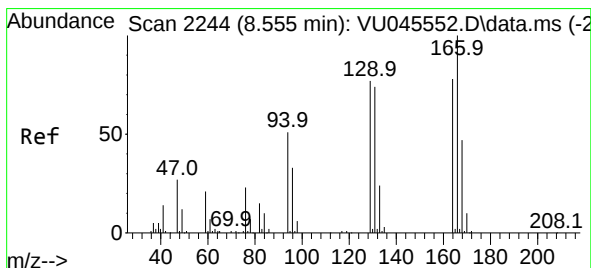
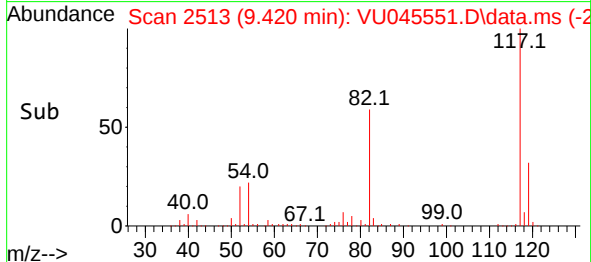
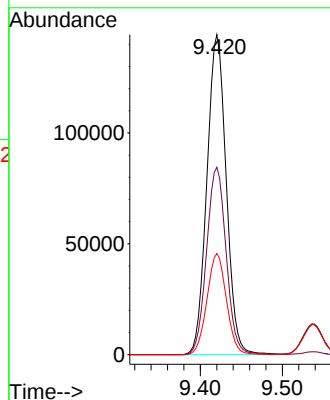
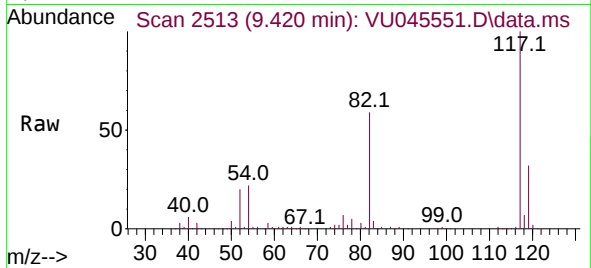




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.420 min Scan# 2513  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

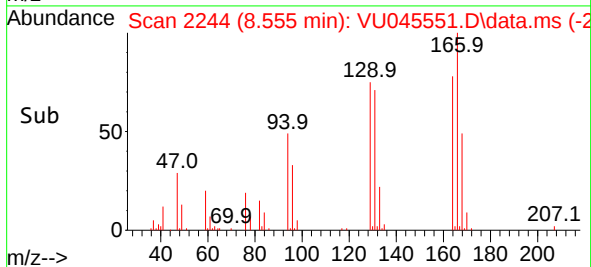
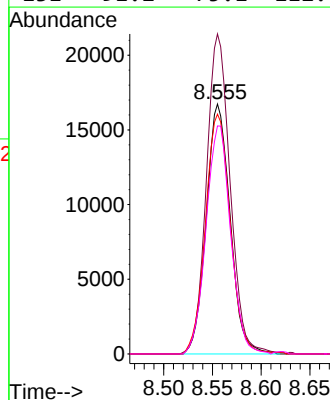
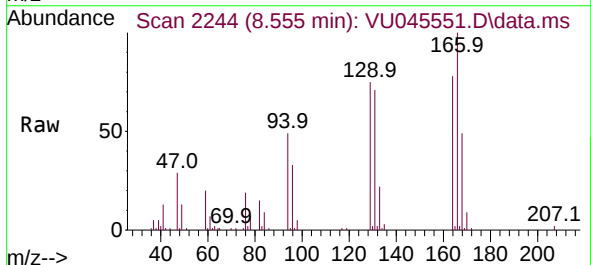
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

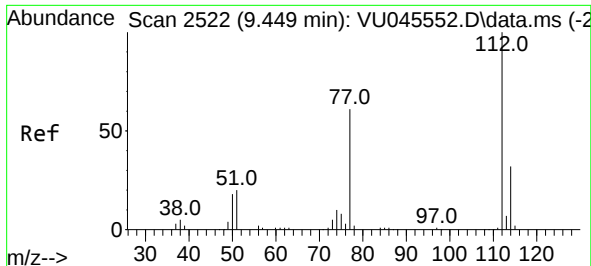
Tgt Ion:117 Resp: 237083  
Ion Ratio Lower Upper  
117 100  
82 58.6 47.8 71.8  
119 31.6 25.8 38.8



#64  
Tetrachloroethene  
Concen: 21.078 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion:164 Resp: 28565  
Ion Ratio Lower Upper  
164 100  
166 128.0 102.2 153.4  
129 96.0 78.2 117.4  
131 91.2 75.1 112.7

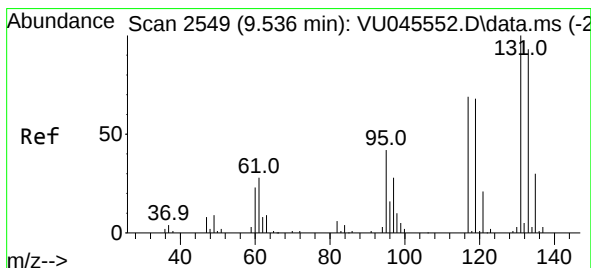
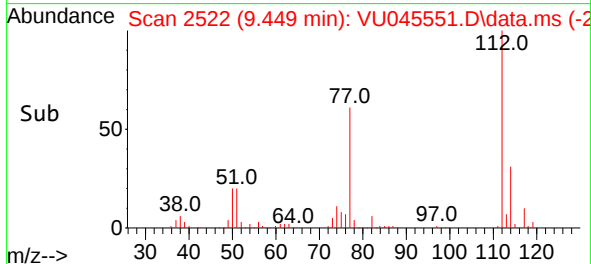
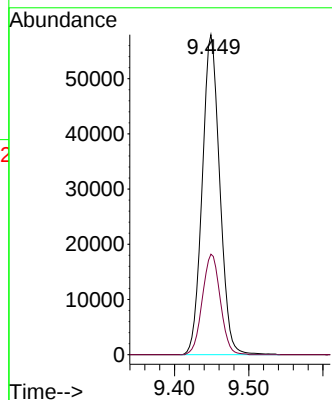
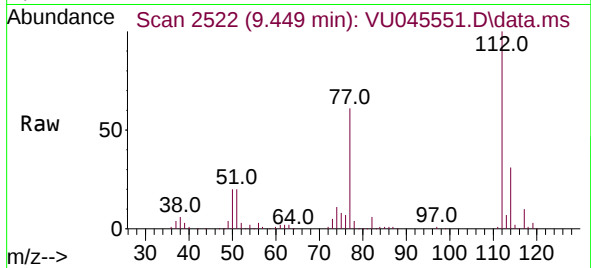




#65  
Chlorobenzene  
Concen: 21.105 ug/l  
RT: 9.449 min Scan# 2522  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

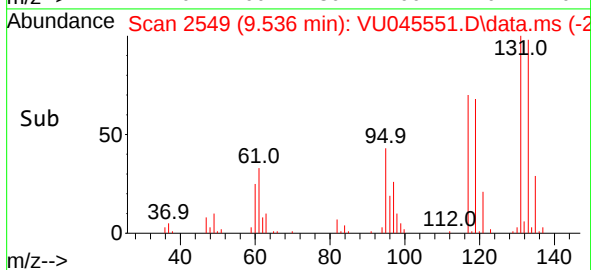
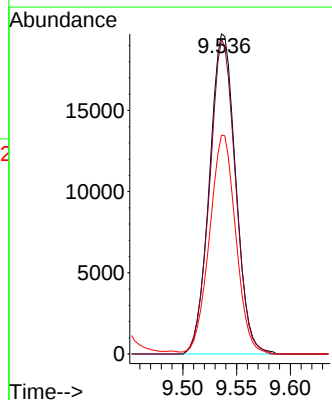
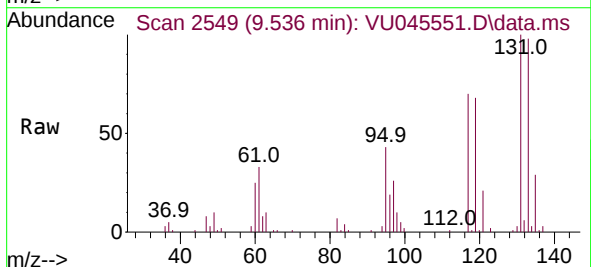
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

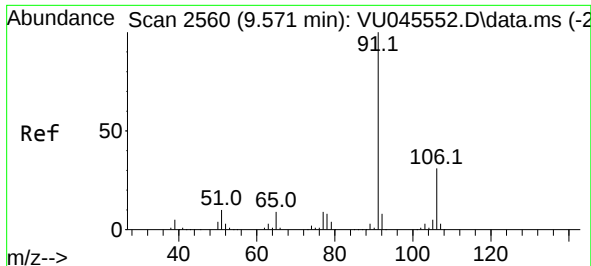
Tgt Ion:112 Resp: 94870  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.038 ug/l  
RT: 9.536 min Scan# 2549  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion:131 Resp: 33422  
Ion Ratio Lower Upper  
131 100  
133 96.8 47.9 143.6  
119 68.5 34.5 103.6





#67

Ethyl Benzene

Concen: 20.921 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

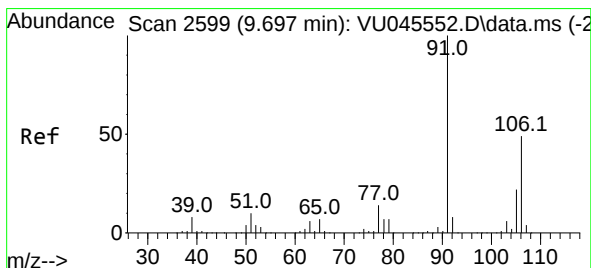
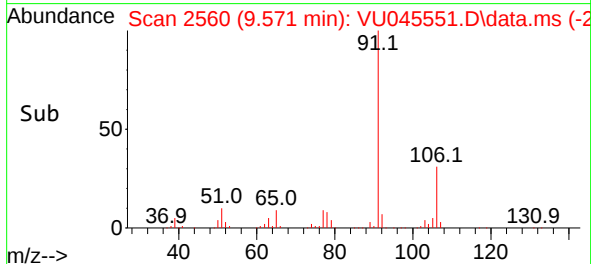
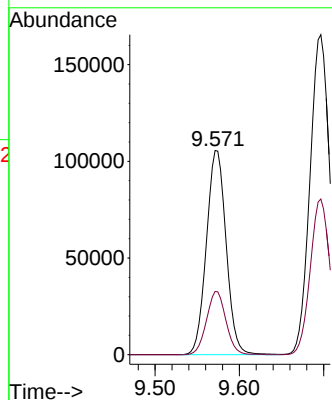
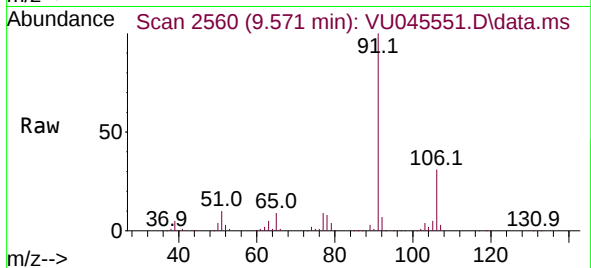
VSTDIC020

Tgt Ion: 91 Resp: 172269

Ion Ratio Lower Upper

91 100

106 31.0 24.6 36.8



#68

m/p-Xylenes

Concen: 42.591 ug/l

RT: 9.697 min Scan# 2599

Delta R.T. -0.000 min

Lab File: VU045551.D

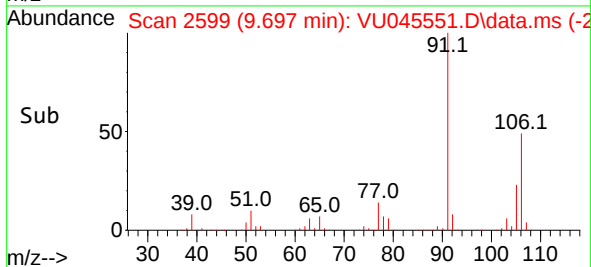
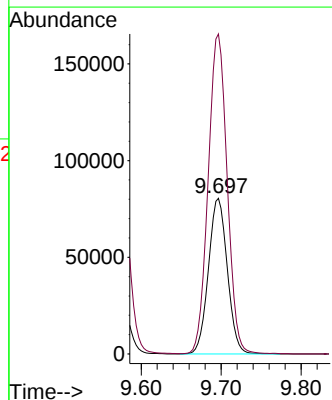
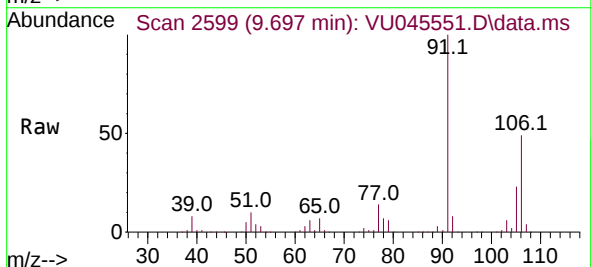
Acq: 05 Nov 2021 11:14

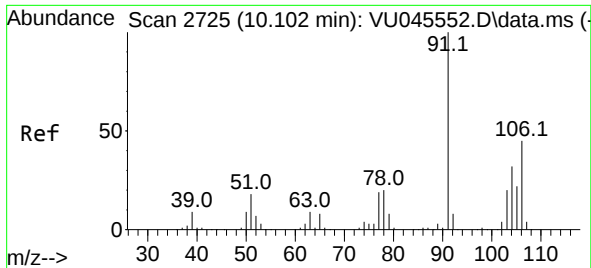
Tgt Ion: 106 Resp: 132382

Ion Ratio Lower Upper

106 100

91 206.1 164.7 247.1

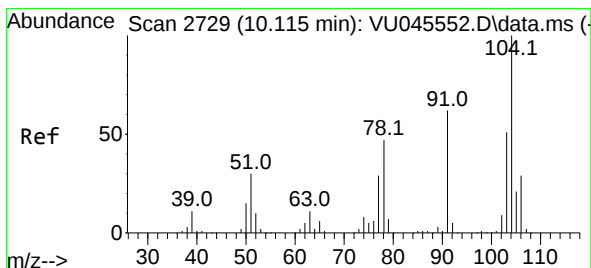
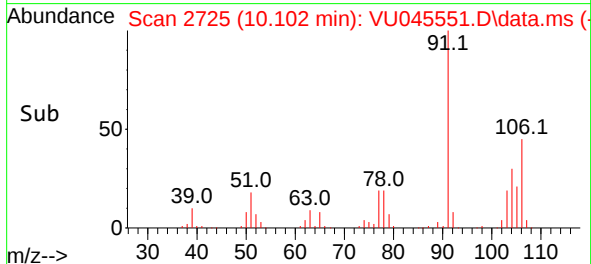
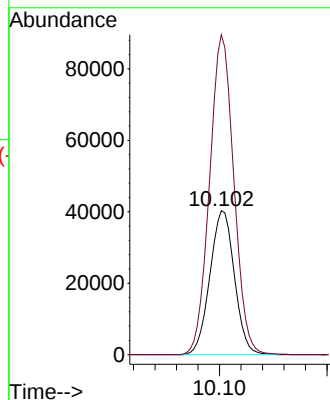
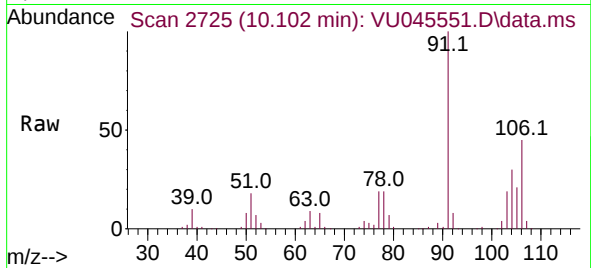




#69  
o-Xylene  
Concen: 21.057 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

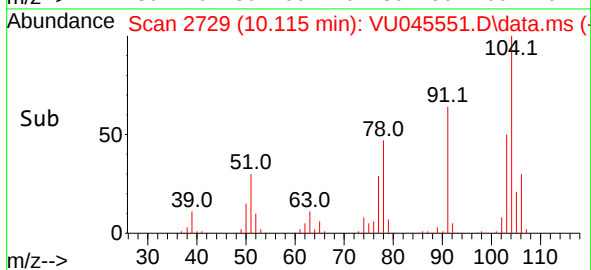
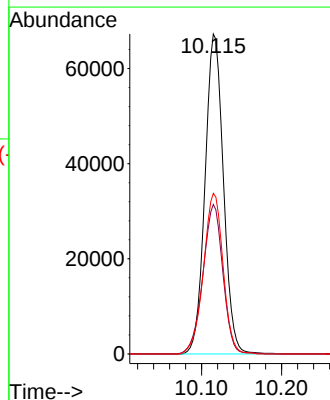
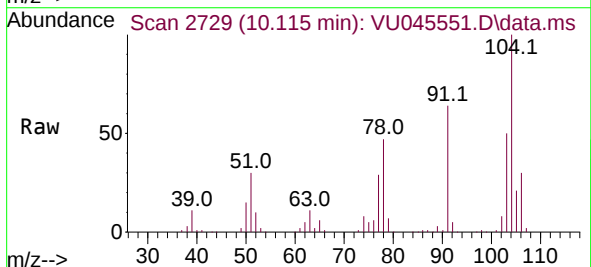
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

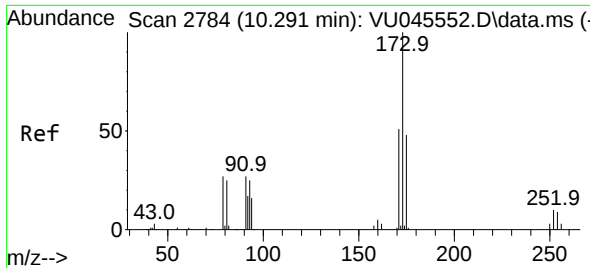
Tgt Ion:106 Resp: 63818  
Ion Ratio Lower Upper  
106 100  
91 220.3 108.7 326.3



#70  
Styrene  
Concen: 21.202 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion:104 Resp: 107770  
Ion Ratio Lower Upper  
104 100  
78 50.6 41.8 62.6  
103 53.5 43.8 65.6

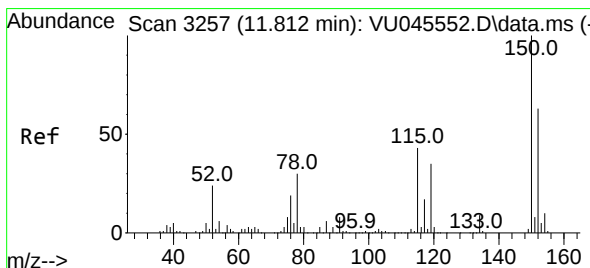
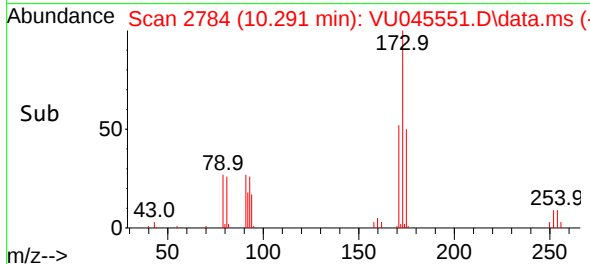
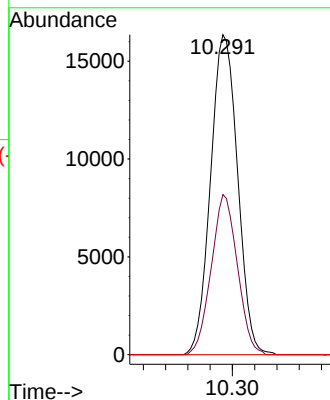
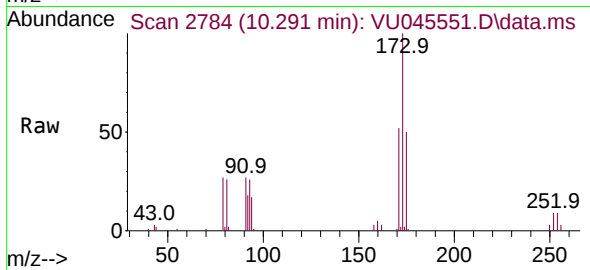




#71  
Bromoform  
Concen: 22.494 ug/l  
RT: 10.291 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

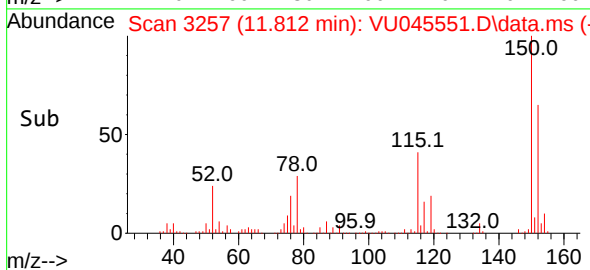
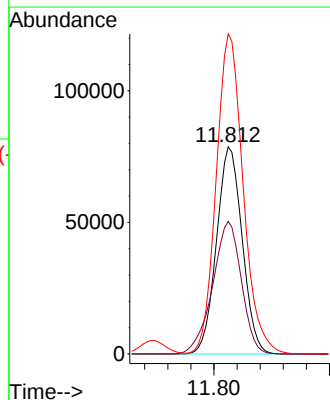
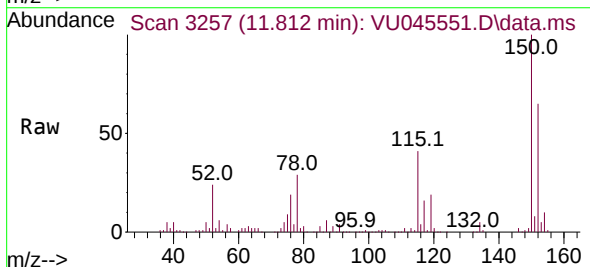
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

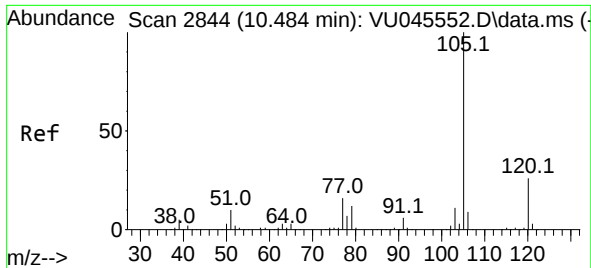
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 48.4  | 24.1  | 72.2  |
| 254     | 0.0   | 0.0   | 0.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 11.812 min Scan# 3257  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 71.5  | 42.7  | 128.1 |
| 150     | 162.5 | 0.0   | 346.8 |

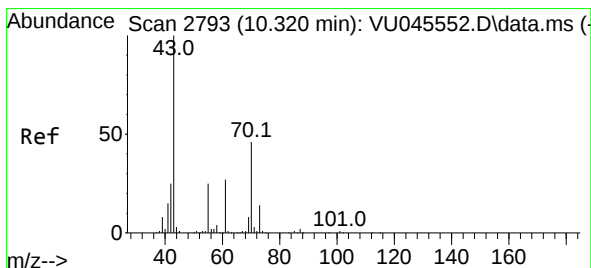
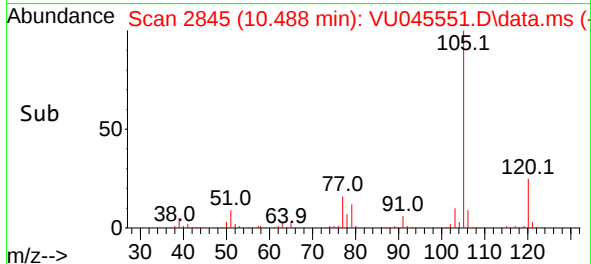
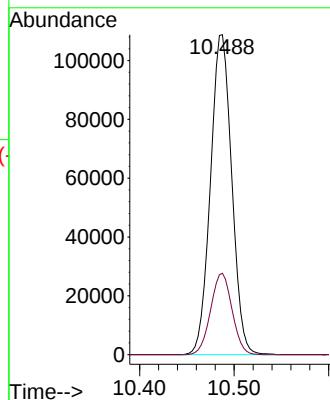
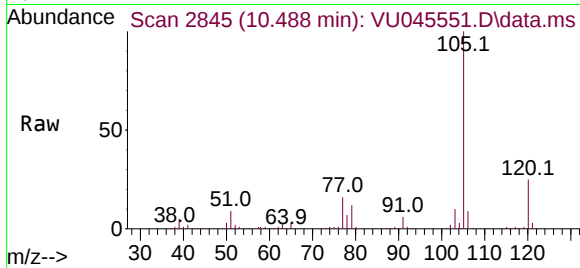




#73  
Isopropylbenzene  
Concen: 20.775 ug/l  
RT: 10.488 min Scan# 2844  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

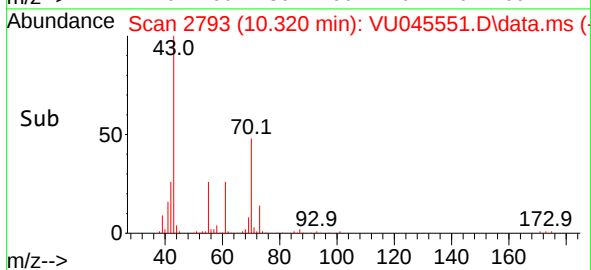
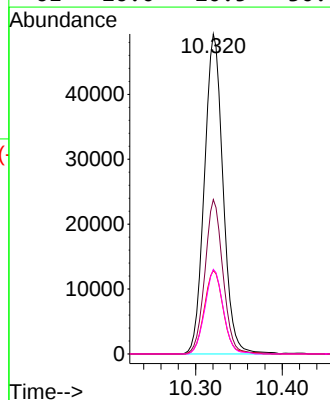
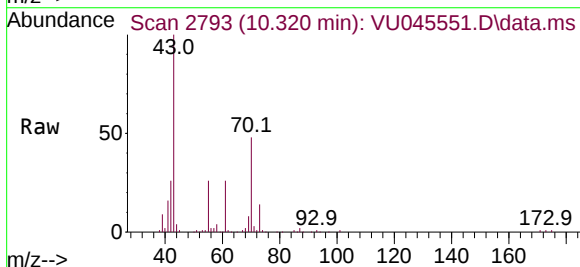
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

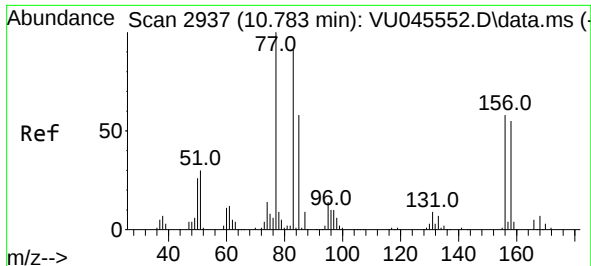
Tgt Ion:105 Resp: 170145  
Ion Ratio Lower Upper  
105 100  
120 25.6 12.9 38.6



#74  
N-ethyl acetate  
Concen: 19.649 ug/l  
RT: 10.320 min Scan# 2793  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 43 Resp: 73820  
Ion Ratio Lower Upper  
43 100  
70 46.6 36.9 55.3  
55 26.5 20.6 31.0  
61 26.0 20.5 30.7

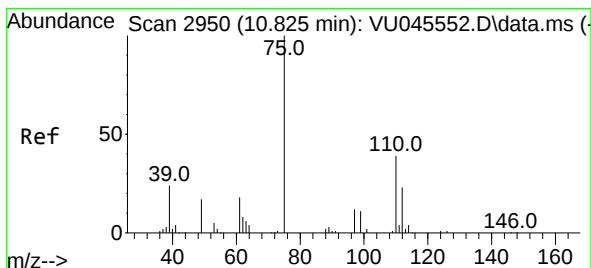
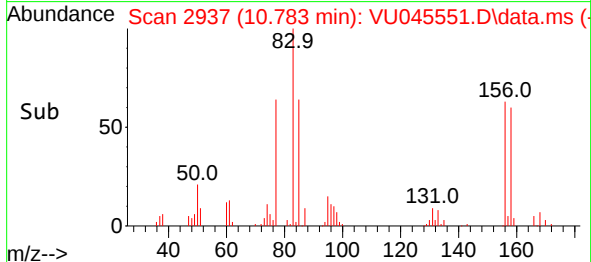
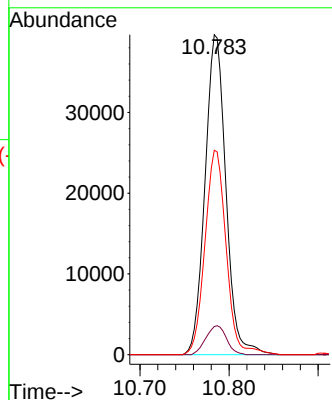
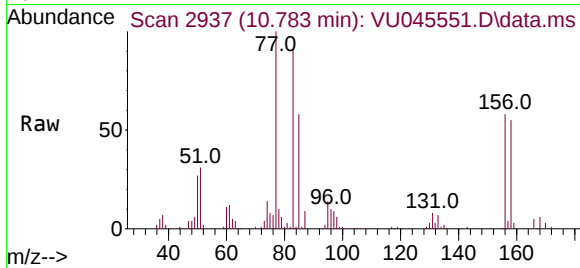




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 19.835 ug/l  
 RT: 10.783 min Scan# 2937  
 Delta R.T. -0.000 min  
 Lab File: VU045551.D  
 Acq: 05 Nov 2021 11:14

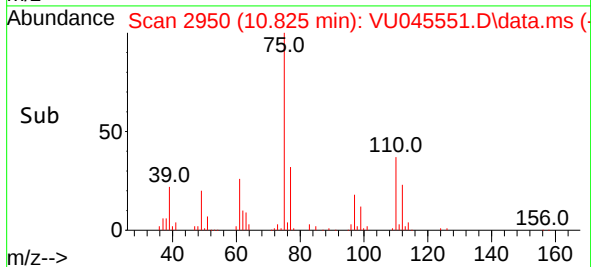
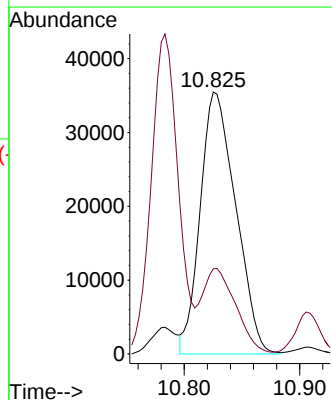
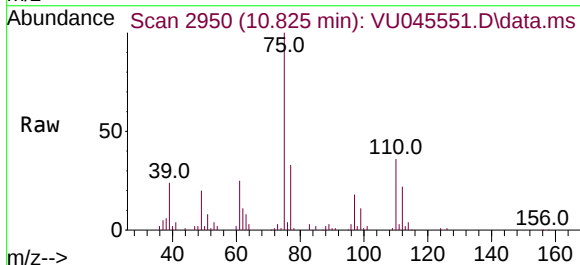
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VSTDIC020

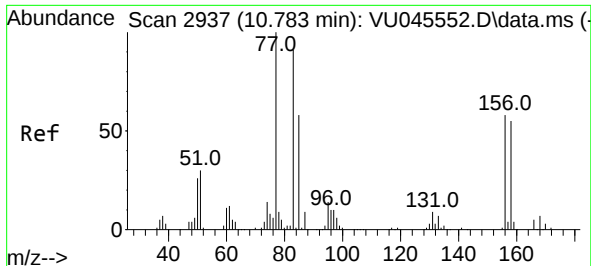
Tgt Ion: 83 Resp: 64472  
 Ion Ratio Lower Upper  
 83 100  
 131 8.9 4.4 13.2  
 85 64.8 31.9 95.9



#76  
 1,2,3-Trichloropropane  
 Concen: 23.398 ug/l  
 RT: 10.825 min Scan# 2950  
 Delta R.T. -0.000 min  
 Lab File: VU045551.D  
 Acq: 05 Nov 2021 11:14

Tgt Ion: 75 Resp: 75719  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 17.1 51.3

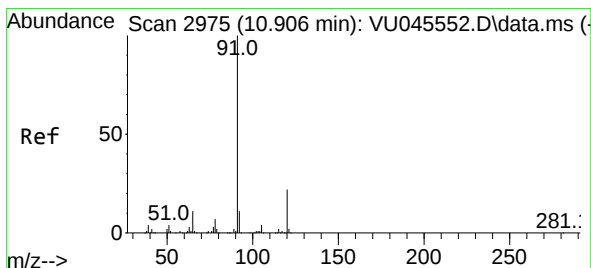
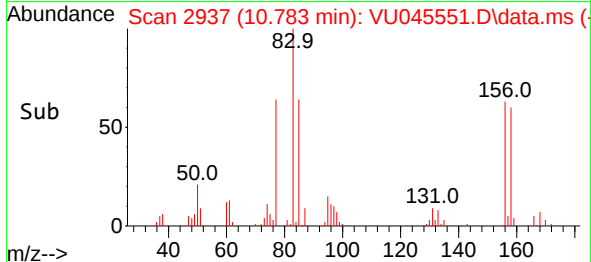
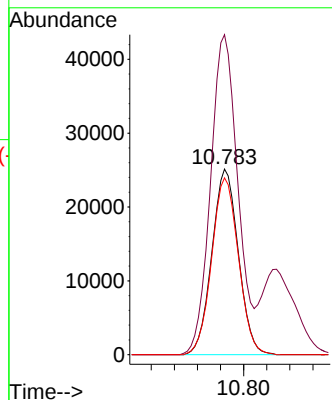
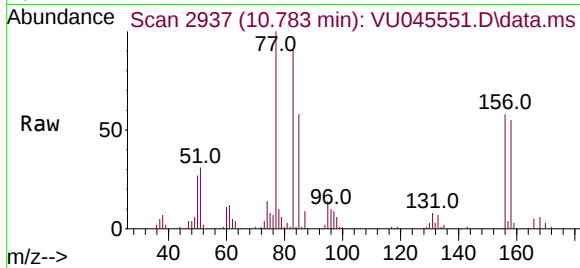




#77  
Bromobenzene  
Concen: 20.907 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

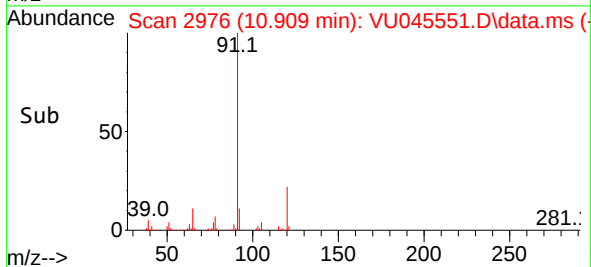
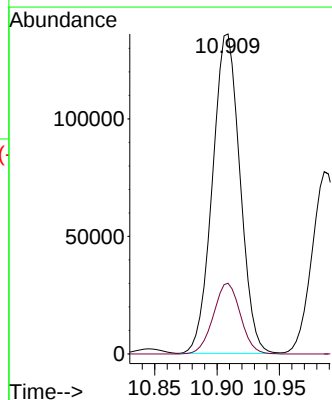
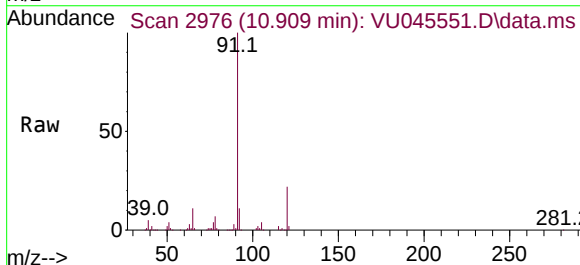
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

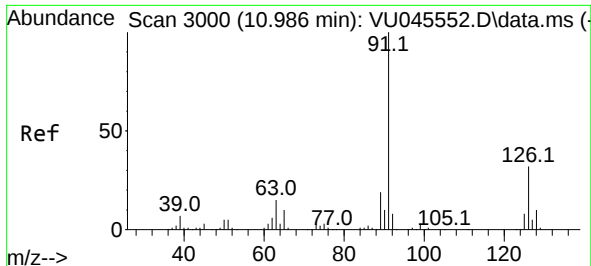
Tgt Ion:156 Resp: 39951  
Ion Ratio Lower Upper  
156 100  
77 177.4 91.1 273.4  
158 96.3 47.9 143.6



#78  
n-propylbenzene  
Concen: 21.019 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 91 Resp: 208706  
Ion Ratio Lower Upper  
91 100  
120 21.8 10.9 32.7

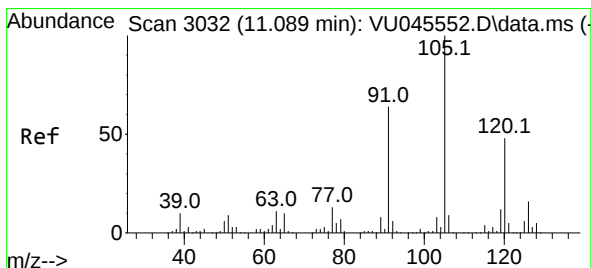
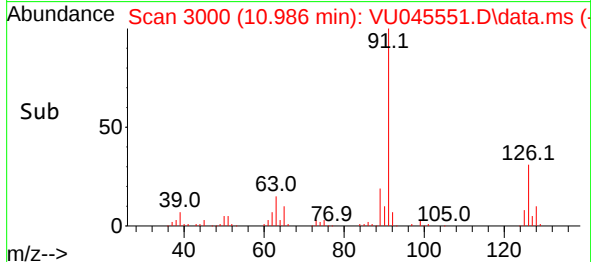
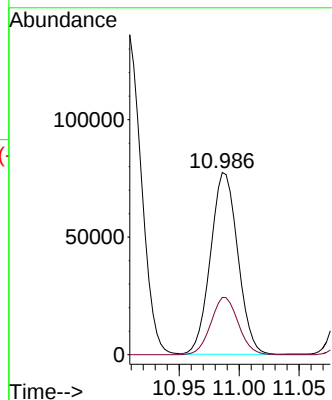
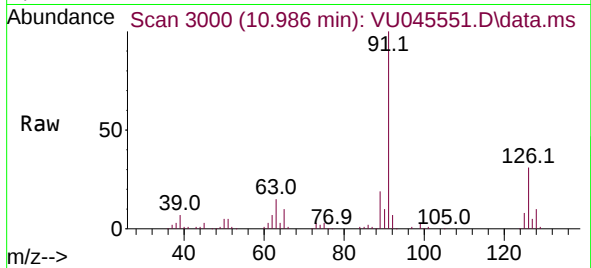




#79  
2-Chlorotoluene  
Concen: 20.494 ug/l  
RT: 10.986 min Scan# 3000  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

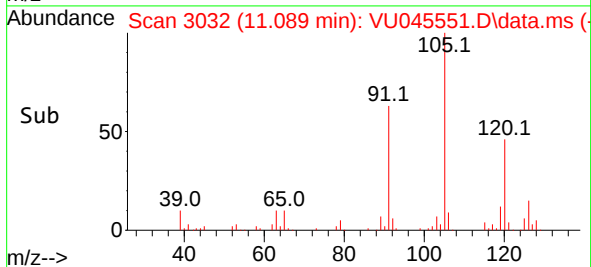
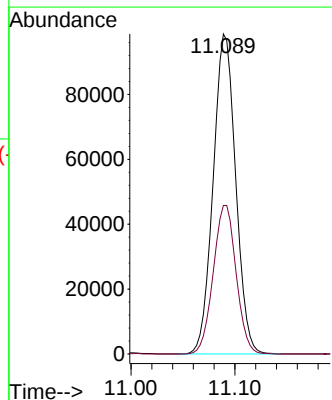
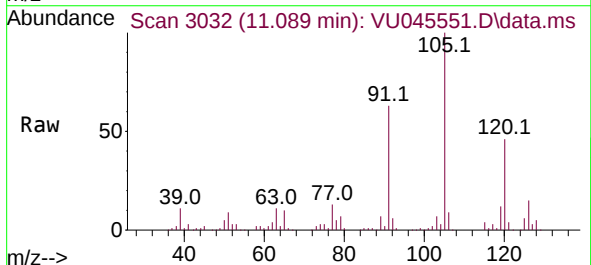
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

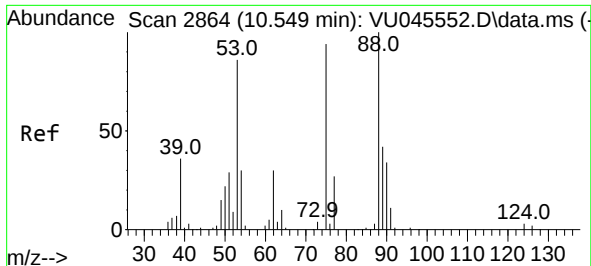
Tgt Ion: 91 Resp: 122485  
Ion Ratio Lower Upper  
91 100  
126 31.6 15.6 46.8



#80  
1,3,5-Trimethylbenzene  
Concen: 21.576 ug/l  
RT: 11.089 min Scan# 3032  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion: 105 Resp: 148687  
Ion Ratio Lower Upper  
105 100  
120 47.1 23.9 71.8

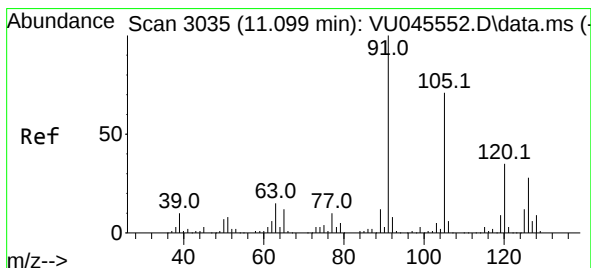
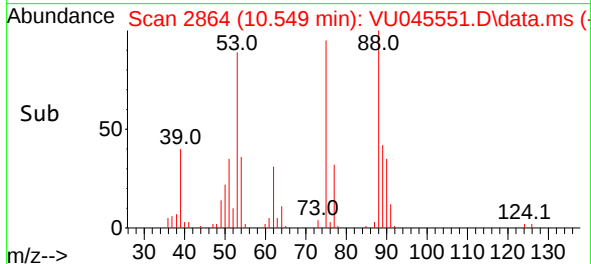
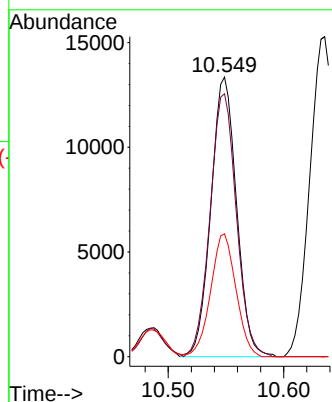
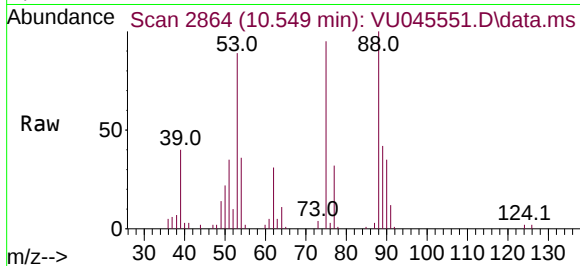




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.245 ug/l  
RT: 10.549 min Scan# 2864  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

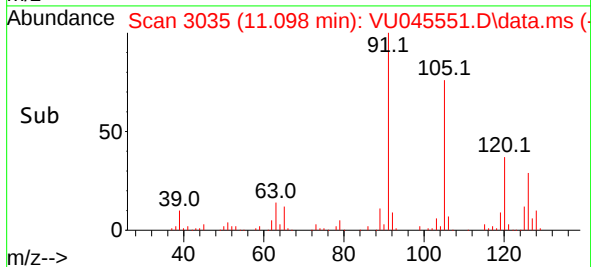
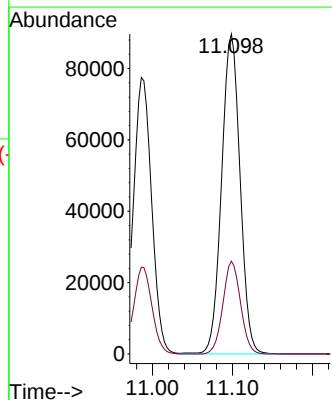
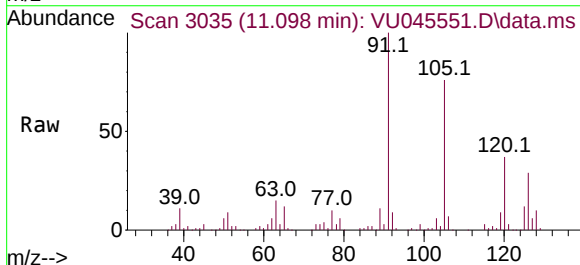
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDICC020

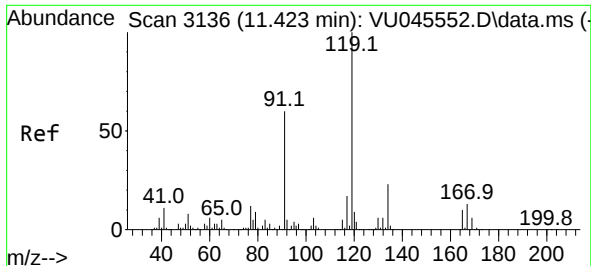
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 20539 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 96.8  | 76.2  | 114.4 |
| 89       | 43.5  | 34.0  | 51.0  |



#82  
4-Chlorotoluene  
Concen: 21.123 ug/l  
RT: 11.098 min Scan# 3035  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 143561 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 27.5  | 13.8  | 41.4   |

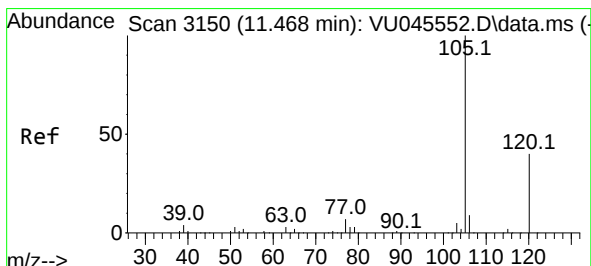
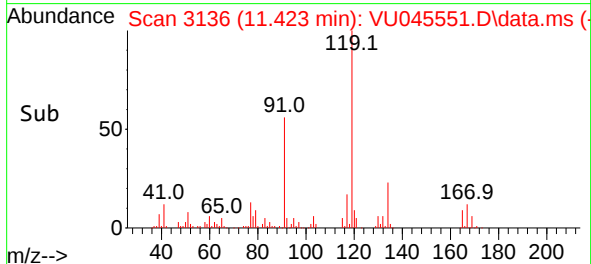
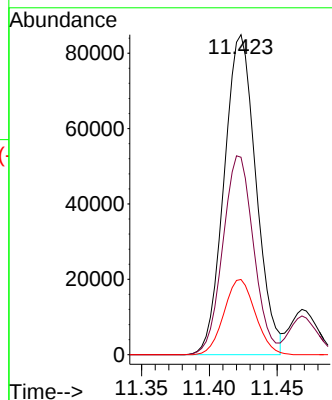
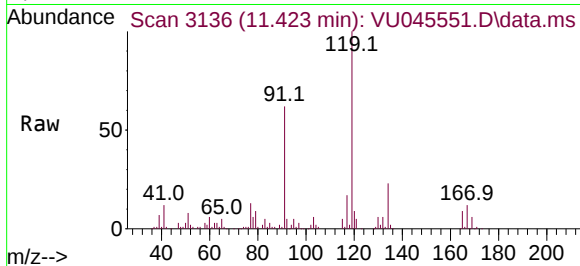




#83  
tert-Butylbenzene  
Concen: 20.905 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

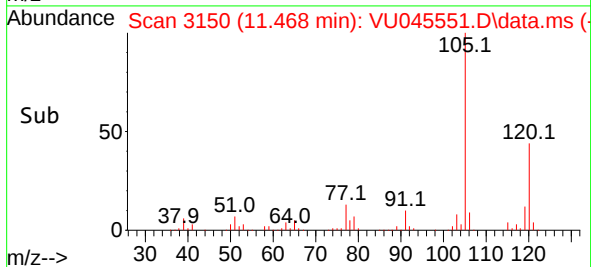
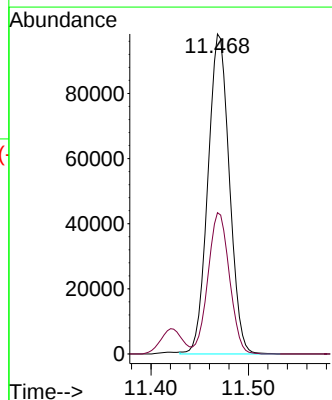
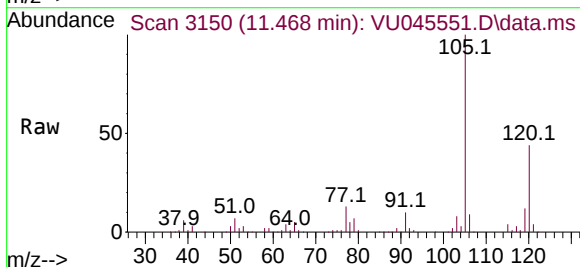
Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

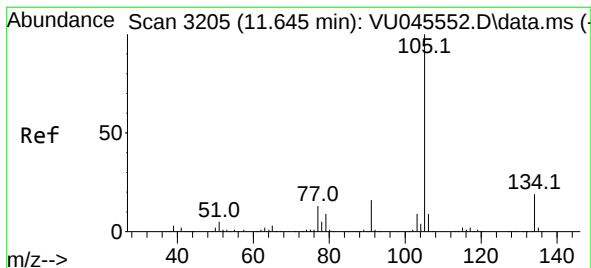
Tgt Ion:119 Resp: 139062  
Ion Ratio Lower Upper  
119 100  
91 59.8 30.5 91.5  
134 23.1 11.5 34.5



#84  
1,2,4-Trimethylbenzene  
Concen: 21.761 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion:105 Resp: 150263  
Ion Ratio Lower Upper  
105 100  
120 44.0 22.2 66.6





#85

sec-Butylbenzene

Concen: 21.298 ug/l

RT: 11.645 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

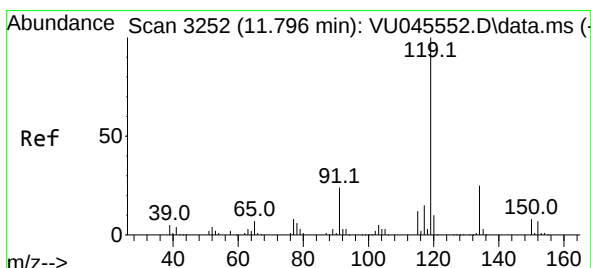
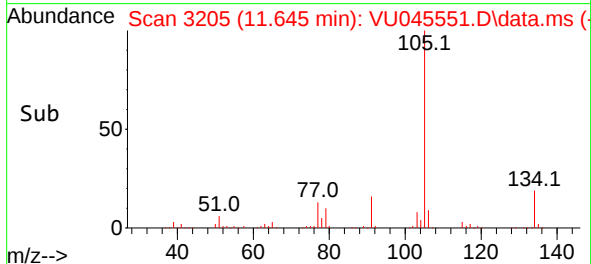
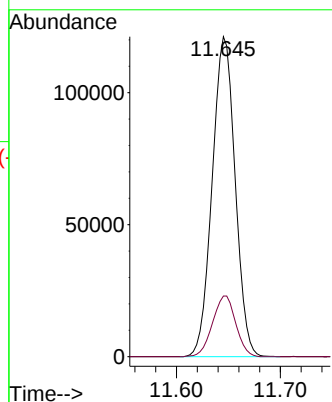
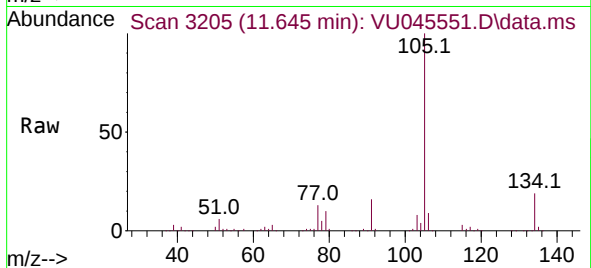
VSTDICC020

Tgt Ion:105 Resp: 185915

Ion Ratio Lower Upper

105 100

134 19.2 9.4 28.3



#86

p-Isopropyltoluene

Concen: 22.025 ug/l

RT: 11.796 min Scan# 3252

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

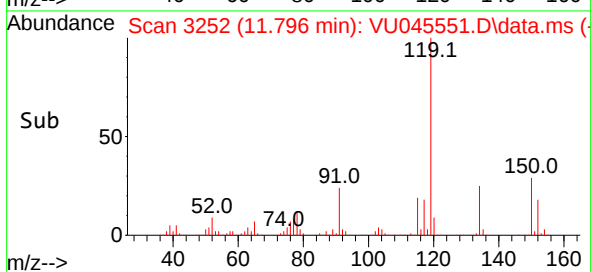
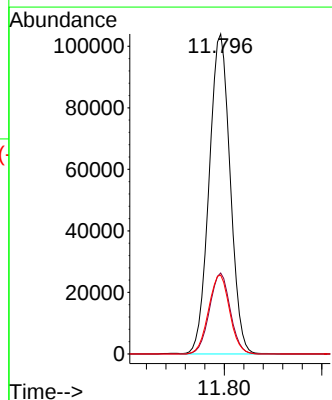
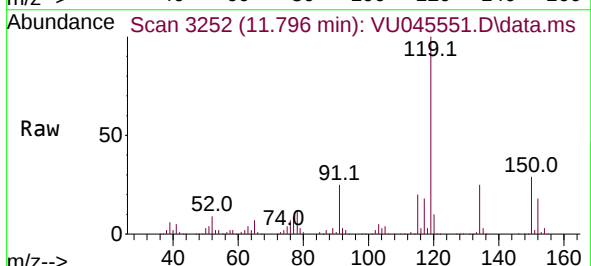
Tgt Ion:119 Resp: 155598

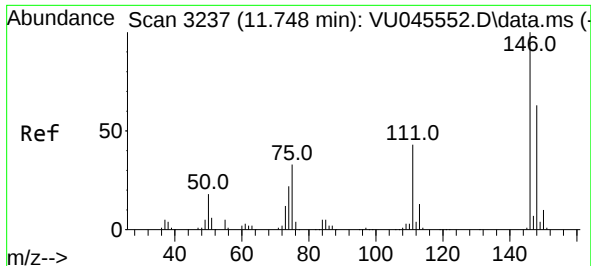
Ion Ratio Lower Upper

119 100

134 24.9 12.7 38.1

91 24.8 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 20.839 ug/l

RT: 11.748 min Scan# 3237

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC020

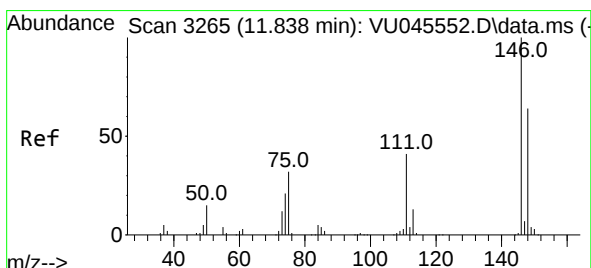
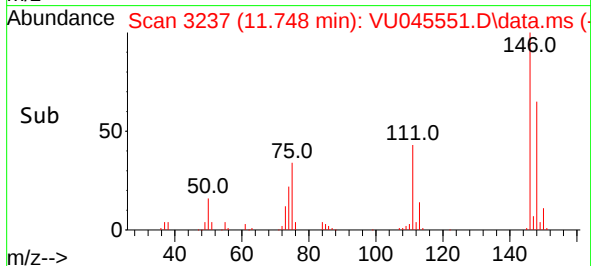
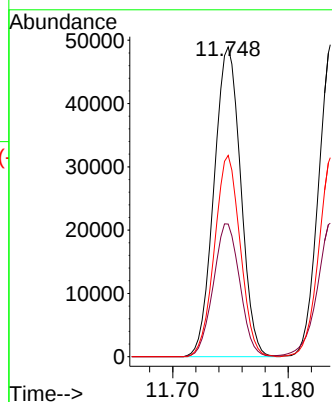
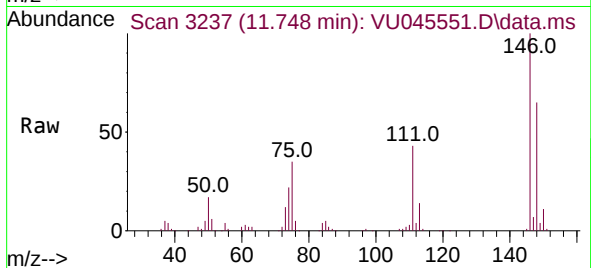
Tgt Ion:146 Resp: 78608

Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.9

148 62.5 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 20.477 ug/l

RT: 11.838 min Scan# 3265

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

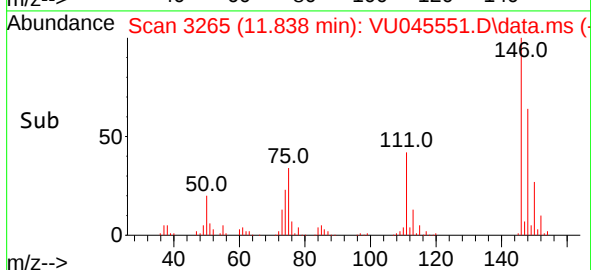
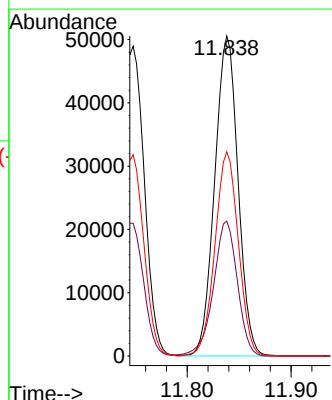
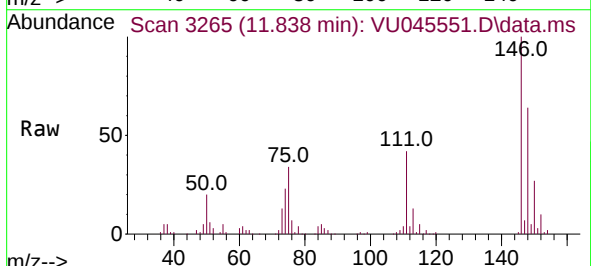
Tgt Ion:146 Resp: 78985

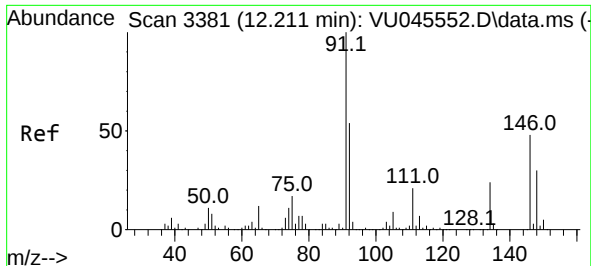
Ion Ratio Lower Upper

146 100

111 43.2 20.6 61.9

148 64.1 31.9 95.7





#89

n-Butylbenzene

Concen: 21.434 ug/l

RT: 12.211 min Scan# 3381

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC020

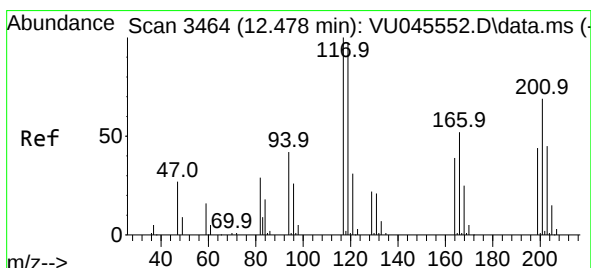
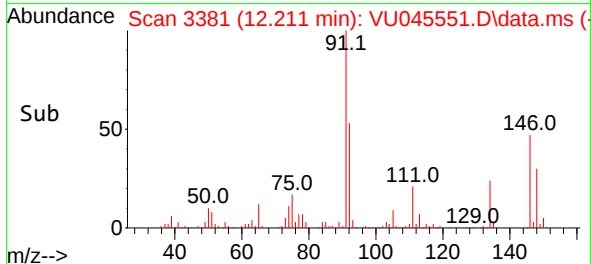
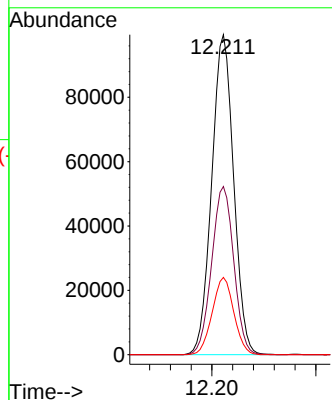
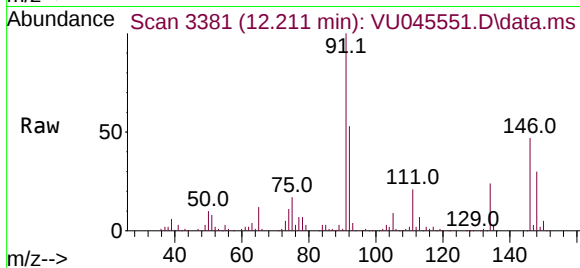
Tgt Ion: 91 Resp: 145348

Ion Ratio Lower Upper

91 100

92 53.0 27.1 81.2

134 23.8 11.8 35.4



#90

Hexachloroethane

Concen: 21.296 ug/l

RT: 12.478 min Scan# 3464

Delta R.T. -0.000 min

Lab File: VU045551.D

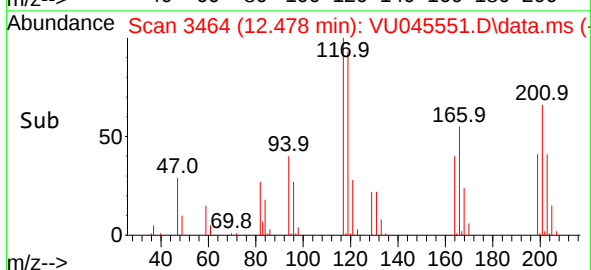
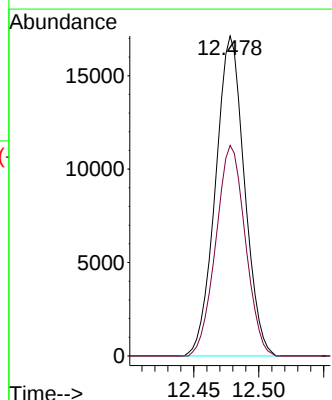
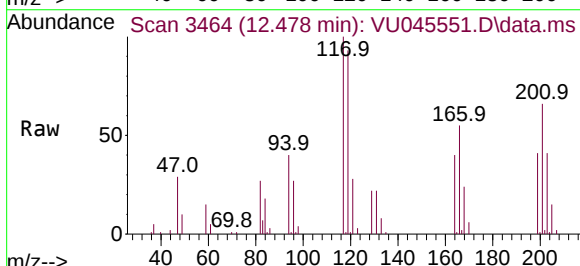
Acq: 05 Nov 2021 11:14

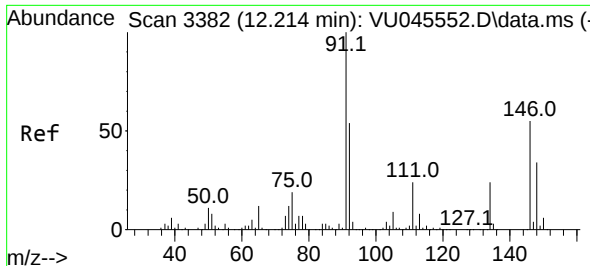
Tgt Ion: 117 Resp: 26534

Ion Ratio Lower Upper

117 100

201 66.9 33.8 101.4





#91

1,2-Dichlorobenzene

Concen: 20.375 ug/l

RT: 12.214 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDICC020

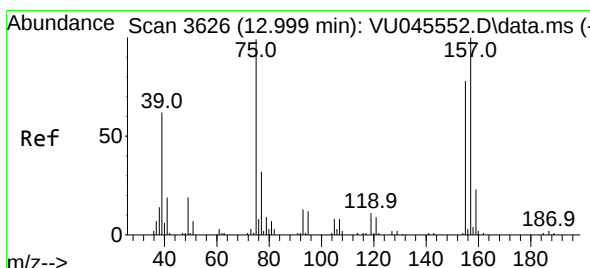
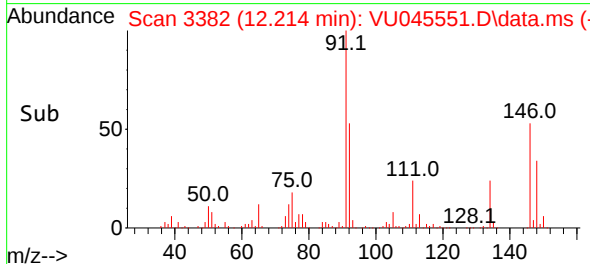
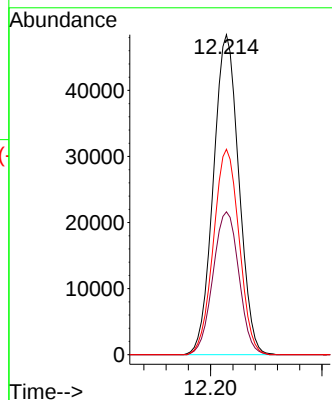
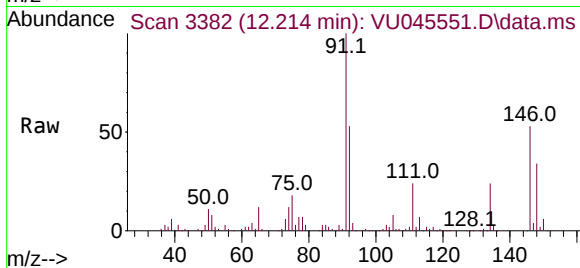
Tgt Ion:146 Resp: 76868

Ion Ratio Lower Upper

146 100

111 45.5 21.9 65.5

148 64.8 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.963 ug/l

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

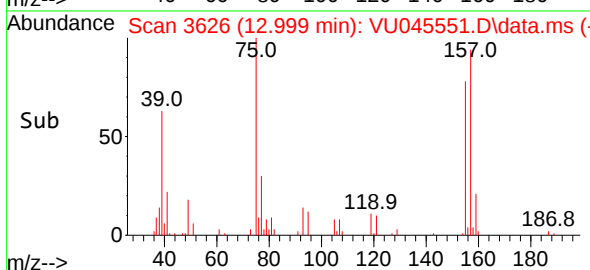
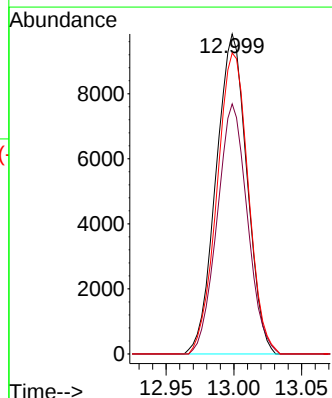
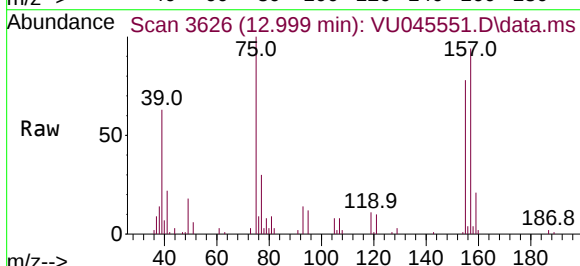
Tgt Ion: 75 Resp: 15586

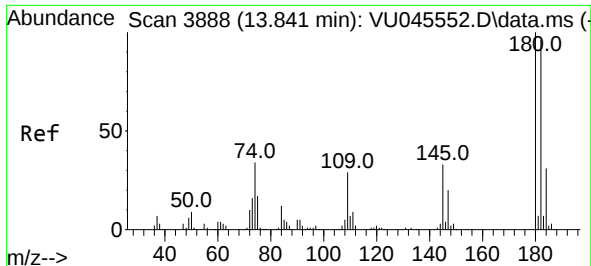
Ion Ratio Lower Upper

75 100

155 76.5 37.8 113.3

157 95.3 48.4 145.2





#93

1,2,4-Trichlorobenzene

Concen: 20.442 ug/l

RT: 13.841 min Scan# 3888

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

Instrument :

MSVOA\_U

ClientSampleId :

VSTDIC020

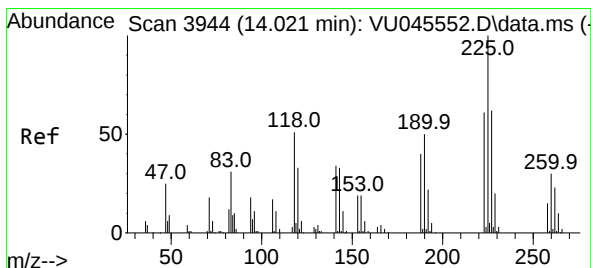
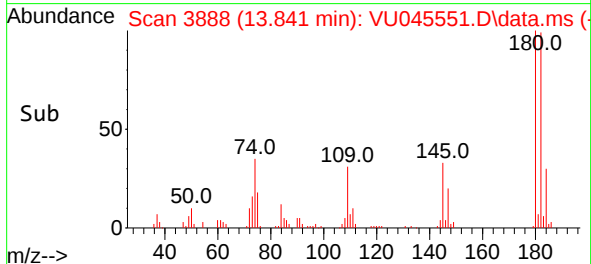
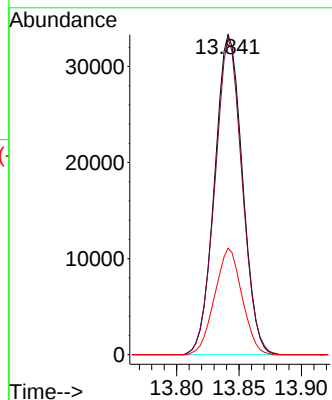
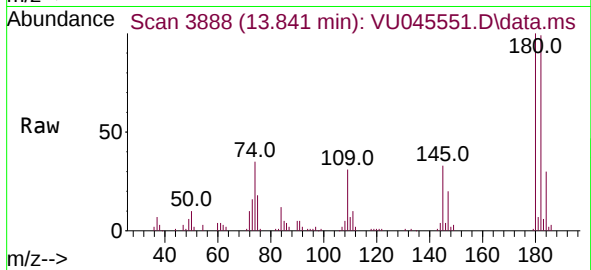
Tgt Ion:180 Resp: 51648

Ion Ratio Lower Upper

180 100

182 97.1 47.0 141.2

145 32.8 15.6 46.7



#94

Hexachlorobutadiene

Concen: 23.977 ug/l

RT: 14.021 min Scan# 3944

Delta R.T. -0.000 min

Lab File: VU045551.D

Acq: 05 Nov 2021 11:14

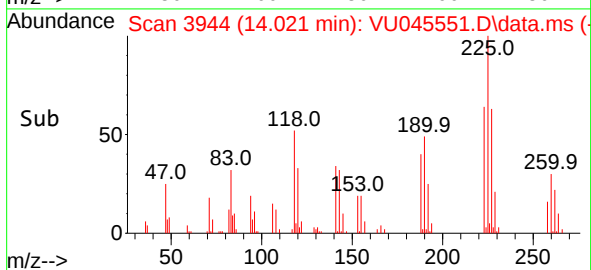
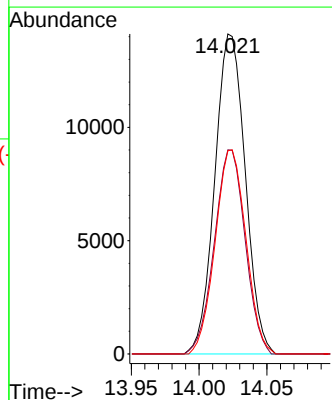
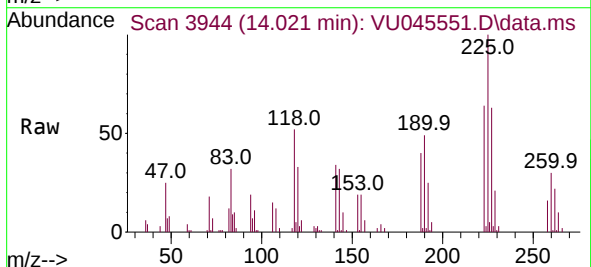
Tgt Ion:225 Resp: 22057

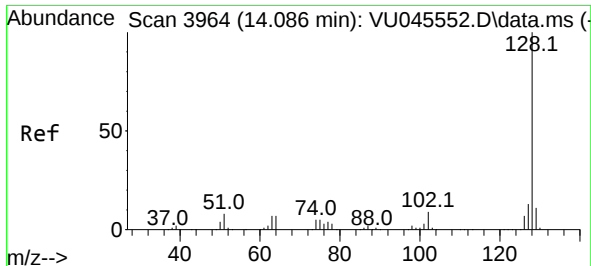
Ion Ratio Lower Upper

225 100

223 64.5 32.0 96.2

227 64.4 31.1 93.5

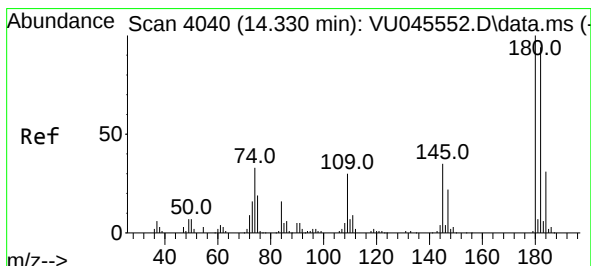
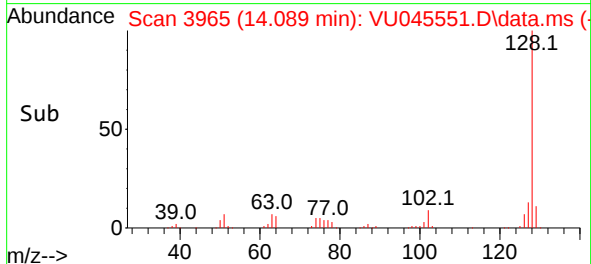
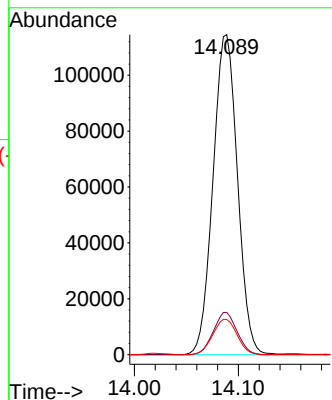
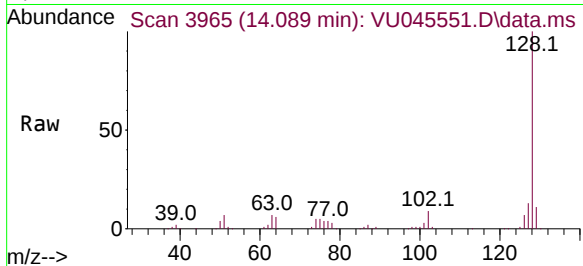




#95  
Naphthalene  
Concen: 20.475 ug/l  
RT: 14.089 min Scan# 3964  
Delta R.T. 0.003 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Instrument :  
MSVOA\_U  
ClientSampleId :  
VSTDIC020

Tgt Ion:128 Resp: 187143  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.6 15.8  
129 11.0 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 21.156 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. -0.000 min  
Lab File: VU045551.D  
Acq: 05 Nov 2021 11:14

Tgt Ion:180 Resp: 53878  
Ion Ratio Lower Upper  
180 100  
182 94.6 47.7 143.1  
145 33.7 16.7 50.0

