

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU070522\  
 Data File : VU049626.D  
 Acq On : 05 Jul 2022 18:22  
 Operator : SY/MD  
 Sample : VU0705MBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0705MBS01

Quant Time: Jul 06 07:49:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

| Compound                     | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                        |           |       |          |          |            |          |
| Internal Standards           |           |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.372     | 168   | 215126   | 50.000   | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene      | 6.247     | 114   | 390371   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 9.417     | 117   | 355495   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 11.812    | 152   | 164704   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.700     | 65    | 177268   | 53.505   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 78 - 117 | Recovery | = 107.020% |          |
| 35) Dibromofluoromethane     | 5.288     | 113   | 142449   | 52.157   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery | = 104.320% |          |
| 50) Toluene-d8               | 7.896     | 98    | 487790   | 50.075   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 92 - 112 | Recovery | = 100.140% |          |
| 62) 4-Bromofluorobenzene     | 10.632    | 95    | 186623   | 50.012   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 83 - 123 | Recovery | = 100.020% |          |
| Target Compounds             |           |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.382     | 85    | 53795    | 15.562   | ug/l       | 99       |
| 3) Chloromethane             | 1.520     | 50    | 73537    | 16.867   | ug/l       | 98       |
| 4) Vinyl Chloride            | 1.601     | 62    | 61468    | 17.661   | ug/l       | 96       |
| 5) Bromomethane              | 1.838     | 94    | 35170    | 32.498   | ug/l       | 98       |
| 6) Chloroethane              | 1.922     | 64    | 37823    | 24.571   | ug/l       | 95       |
| 7) Trichlorofluoromethane    | 2.131     | 101   | 73283    | 16.522   | ug/l       | 97       |
| 8) Diethyl Ether             | 2.372     | 74    | 35522    | 22.170   | ug/l       | 84       |
| 9) 1,1,2-Trichlorotrifluo... | 2.575     | 101   | 44112    | 18.484   | ug/l       | 96       |
| 10) Methyl Iodide            | 2.716     | 142   | 69329    | 32.632   | ug/l       | 96       |
| 11) Tert butyl alcohol       | 3.182     | 59    | 98569    | 127.111  | ug/l       | # 53     |
| 12) 1,1-Dichloroethene       | 2.575     | 96    | 46462    | 19.885   | ug/l       | 94       |
| 13) Acrolein                 | 2.482     | 56    | 14981    | 28.527   | ug/l       | 97       |
| 14) Allyl chloride           | 2.919     | 41    | 98161    | 20.787   | ug/l       | # 86     |
| 15) Acrylonitrile            | 3.311     | 53    | 206111   | 110.514  | ug/l       | 99       |
| 16) Acetone                  | 2.623     | 43    | 164198   | 98.277   | ug/l       | 100      |
| 17) Carbon Disulfide         | 2.787     | 76    | 123361   | 16.929   | ug/l       | 99       |
| 18) Methyl Acetate           | 2.945     | 43    | 100469   | 22.214   | ug/l       | 92       |
| 19) Methyl tert-butyl Ether  | 3.362     | 73    | 200352   | 23.055   | ug/l       | 96       |
| 20) Methylene Chloride       | 3.041     | 84    | 66593    | 23.551   | ug/l       | 92       |
| 21) trans-1,2-Dichloroethene | 3.350     | 96    | 53130    | 21.093   | ug/l       | 96       |
| 22) Diisopropyl ether        | 3.989     | 45    | 201293   | 22.326   | ug/l       | # 78     |
| 23) Vinyl Acetate            | 3.954     | 43    | 869944   | 110.086  | ug/l       | 95       |
| 24) 1,1-Dichloroethane       | 3.867     | 63    | 110833   | 21.401   | ug/l       | 97       |
| 25) 2-Butanone               | 4.700     | 43    | 278060   | 111.052  | ug/l       | 95       |
| 26) 2,2-Dichloropropane      | 4.665     | 77    | 80995    | 18.791   | ug/l       | 100      |
| 27) cis-1,2-Dichloroethene   | 4.665     | 96    | 65953    | 22.663   | ug/l       | 94       |
| 28) Bromochloromethane       | 4.973     | 49    | 51799    | 22.882   | ug/l       | # 78     |
| 29) Tetrahydrofuran          | 5.047     | 42    | 184654   | 107.502  | ug/l       | 90       |
| 30) Chloroform               | 5.086     | 83    | 109257   | 21.327   | ug/l       | 98       |
| 31) Cyclohexane              | 5.385     | 56    | 85768    | 17.241   | ug/l       | 90       |
| 32) 1,1,1-Trichloroethane    | 5.314     | 97    | 88968    | 20.016   | ug/l       | 98       |
| 36) 1,1-Dichloropropene      | 5.526     | 75    | 71646    | 18.092   | ug/l       | 96       |
| 37) Ethyl Acetate            | 4.803     | 43    | 105057   | 19.414   | ug/l       | # 95     |
| 38) Carbon Tetrachloride     | 5.523     | 117   | 72924    | 17.559   | ug/l       | 99       |
| 39) Methylcyclohexane        | 6.761     | 83    | 75108    | 15.823   | ug/l       | 92       |
| 40) Benzene                  | 5.774     | 78    | 239119   | 20.000   | ug/l       | 100      |

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 Sample : VU0705MBS01  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0705MBS01

Quant Time: Jul 06 07:49:29 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jun 28 10:35:43 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.970  | 41   | 55300    | 20.395  | ug/l   | 90       |
| 42) 1,2-Dichloroethane        | 5.793  | 62   | 86989    | 19.549  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.909  | 43   | 163465   | 20.616  | ug/l   | 97       |
| 44) Trichloroethene           | 6.539  | 130  | 53556    | 18.843  | ug/l   | 85       |
| 45) 1,2-Dichloropropane       | 6.790  | 63   | 67633    | 20.415  | ug/l   | 99       |
| 46) Dibromomethane            | 6.919  | 93   | 45295    | 20.507  | ug/l   | 91       |
| 47) Bromodichloromethane      | 7.105  | 83   | 85295    | 20.063  | ug/l   | 99       |
| 48) Methyl methacrylate       | 6.957  | 41   | 77396    | 20.828  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 6.964  | 88   | 39438    | 414.265 | ug/l # | 1        |
| 51) 4-Methyl-2-Pentanone      | 7.790  | 43   | 532345   | 100.317 | ug/l   | 97       |
| 52) Toluene                   | 7.970  | 92   | 141331   | 19.888  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.208  | 75   | 90167    | 19.773  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 7.607  | 75   | 101778   | 20.903  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 63352    | 21.562  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 107000   | 21.774  | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 8.575  | 76   | 108568   | 20.831  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.462  | 63   | 68842    | 183.094 | ug/l   | 94       |
| 59) 2-Hexanone                | 8.684  | 43   | 410320   | 98.326  | ug/l   | 97       |
| 60) Dibromochloromethane      | 8.809  | 129  | 63648    | 20.832  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 8.922  | 107  | 65606    | 20.490  | ug/l   | 97       |
| 64) Tetrachloroethene         | 8.552  | 164  | 40788    | 17.889  | ug/l   | 92       |
| 65) Chlorobenzene             | 9.446  | 112  | 149446   | 20.563  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.533  | 131  | 58561    | 21.360  | ug/l   | 98       |
| 67) Ethyl Benzene             | 9.568  | 91   | 261896   | 19.629  | ug/l   | 96       |
| 68) m/p-Xylenes               | 9.693  | 106  | 191490   | 38.789  | ug/l   | 88       |
| 69) o-Xylene                  | 10.099 | 106  | 100515   | 20.509  | ug/l   | 90       |
| 70) Styrene                   | 10.115 | 104  | 162981   | 20.697  | ug/l   | 96       |
| 71) Bromoform                 | 10.288 | 173  | 48954    | 20.819  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.484 | 105  | 249708   | 21.283  | ug/l   | 96       |
| 74) N-amyl acetate            | 10.320 | 43   | 133489   | 21.497  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 10.780 | 83   | 110730   | 22.279  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.822 | 75   | 119010   | 21.315  | ug/l   | 99       |
| 77) Bromobenzene              | 10.780 | 156  | 63426    | 22.147  | ug/l   | 87       |
| 78) n-propylbenzene           | 10.906 | 91   | 281918   | 19.774  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 182615   | 20.790  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 11.086 | 105  | 215785   | 21.067  | ug/l   | 93       |
| 81) trans-1,4-Dichloro-2-b... | 10.545 | 75   | 30897    | 20.436  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.095 | 91   | 200507   | 20.297  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 11.420 | 119  | 214481   | 21.289  | ug/l   | 95       |
| 84) 1,2,4-Trimethylbenzene    | 11.465 | 105  | 214747   | 21.341  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 11.642 | 105  | 242774   | 19.166  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 11.793 | 119  | 198954   | 19.422  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 11.745 | 146  | 108561   | 19.828  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 11.835 | 146  | 109235   | 19.849  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.208 | 91   | 166631   | 17.573  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.475 | 117  | 37539    | 18.399  | ug/l   | 82       |
| 91) 1,2-Dichlorobenzene       | 12.211 | 146  | 115189   | 20.938  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.996 | 75   | 26640    | 20.904  | ug/l   | 86       |
| 93) 1,2,4-Trichlorobenzene    | 13.838 | 180  | 67561    | 19.411  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 27130    | 15.898  | ug/l   | 100      |
| 95) Naphthalene               | 14.086 | 128  | 268141   | 21.809  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 72543    | 19.840  | ug/l   | 96       |

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Operator : SY/MD  
Sample : VU0705MBS01  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 22 Sample Multiplier: 1

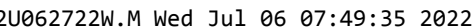
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

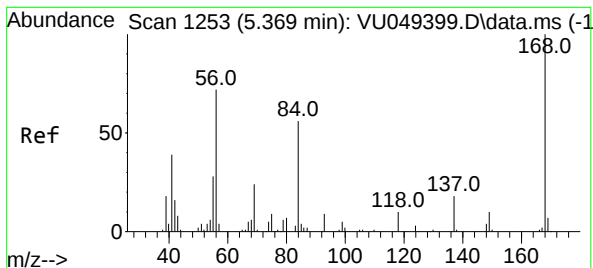
Quant Time: Jul 06 07:49:29 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U062722W.M  
Quant Title : SW846 8260  
QLast Update : Tue Jun 28 10:35:43 2022  
Response via : Initial Calibration

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

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

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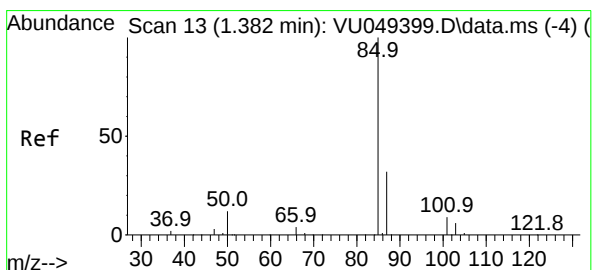
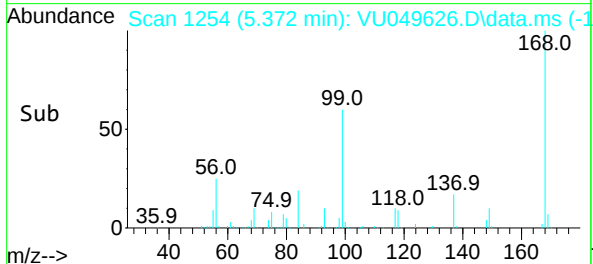
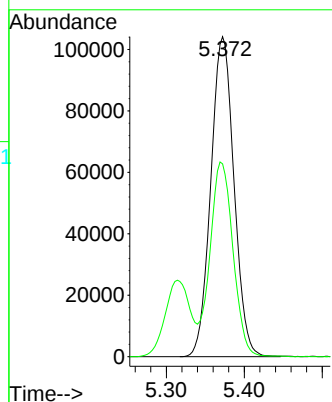
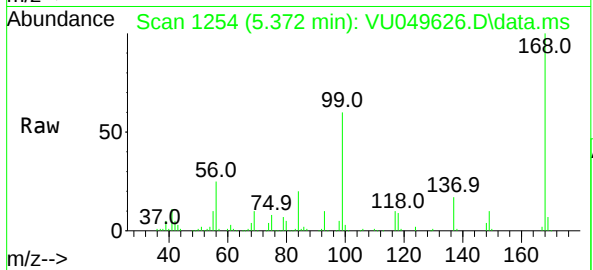




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.372 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

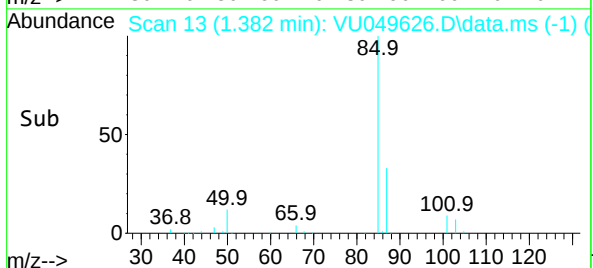
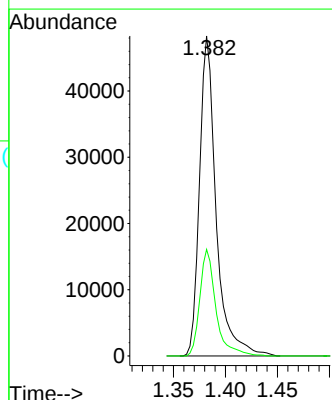
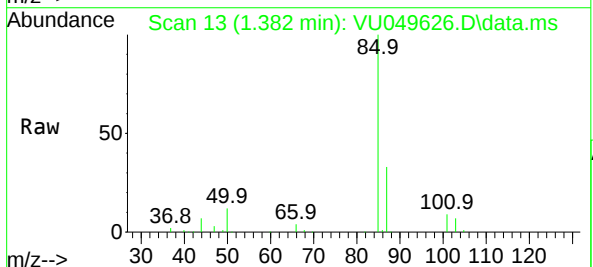
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

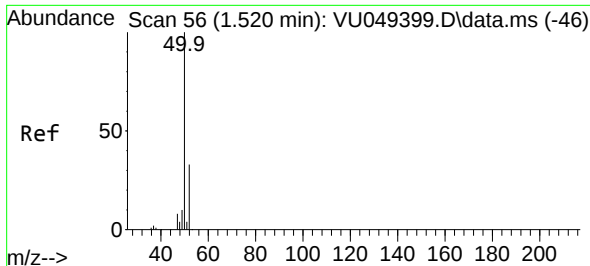
Tgt Ion:168 Resp: 215126  
Ion Ratio Lower Upper  
168 100  
99 60.1 39.3 58.9#



#2  
Dichlorodifluoromethane  
Concen: 15.562 ug/l  
RT: 1.382 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

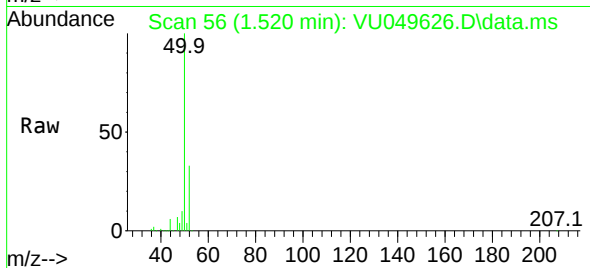
Tgt Ion: 85 Resp: 53795  
Ion Ratio Lower Upper  
85 100  
87 33.3 16.4 49.2



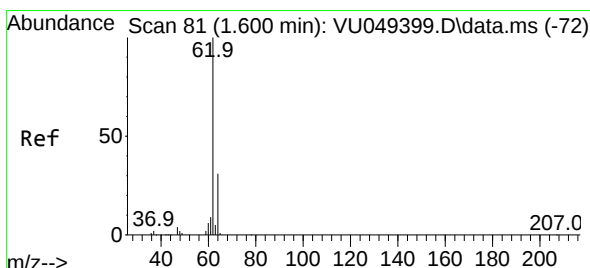
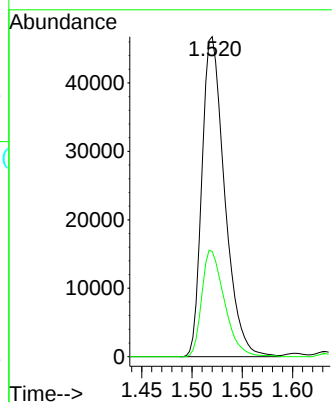
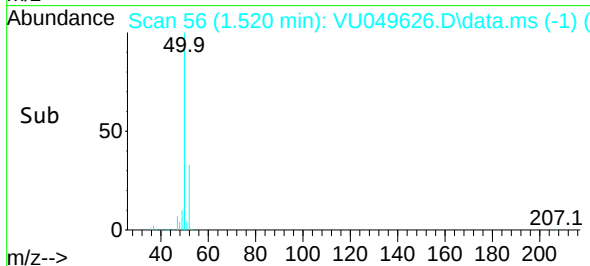


#3  
Chloromethane  
Concen: 16.867 ug/l  
RT: 1.520 min Scan# 50  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

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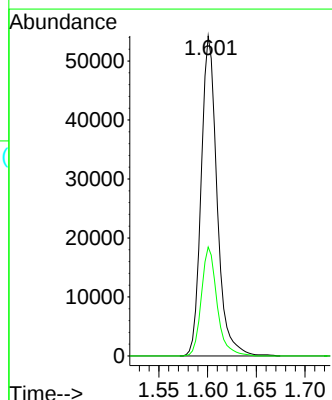
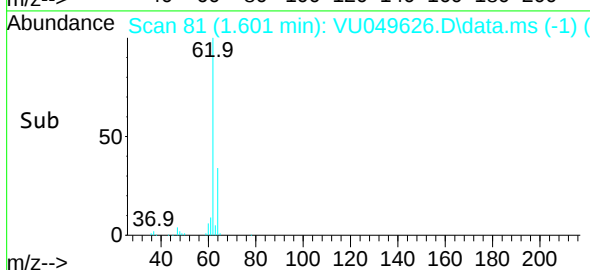
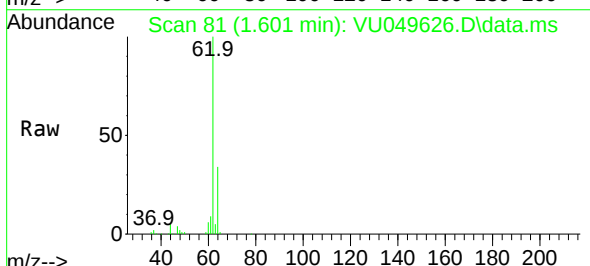


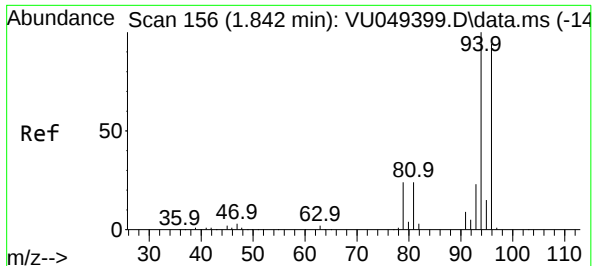
Tgt Ion: 50 Resp: 73537  
Ion Ratio Lower Upper  
50 100  
52 32.9 27.4 41.2



#4  
Vinyl Chloride  
Concen: 17.661 ug/l  
RT: 1.601 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 62 Resp: 61468  
Ion Ratio Lower Upper  
62 100  
64 34.1 25.3 37.9

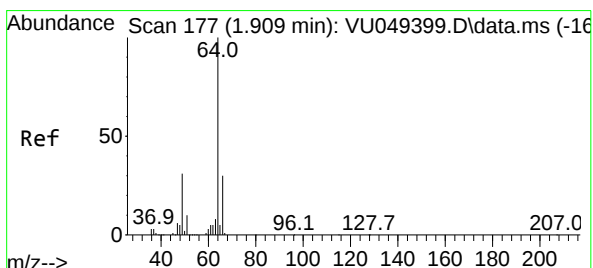
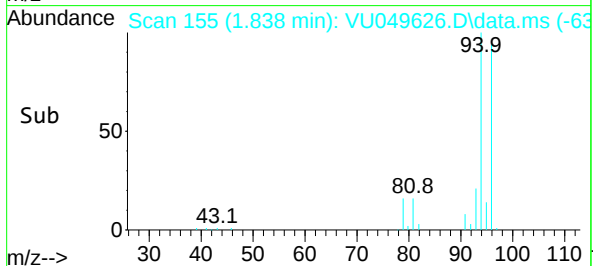
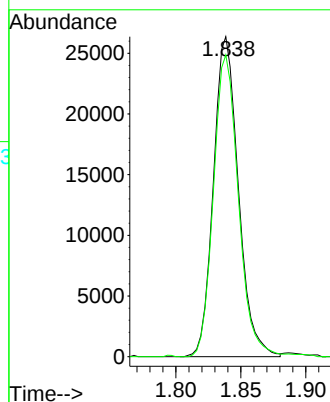
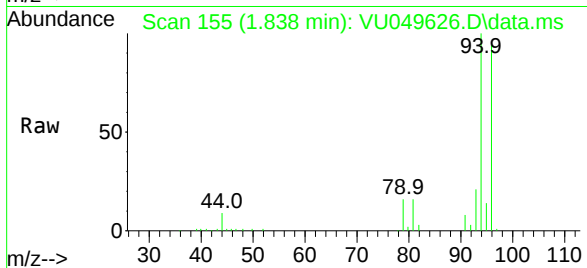




#5  
Bromomethane  
Concen: 32.498 ug/l  
RT: 1.838 min Scan# 11  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

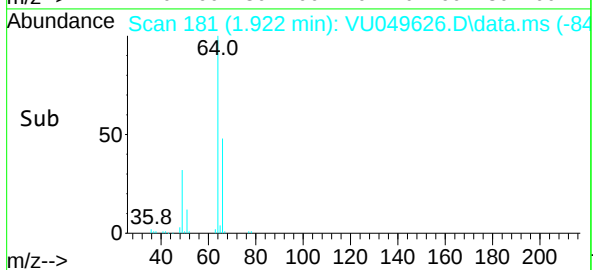
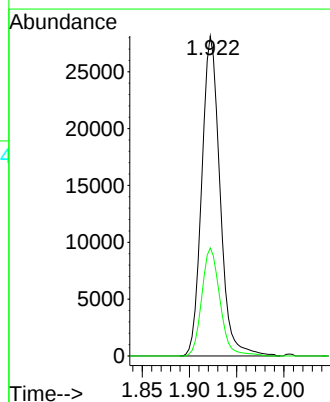
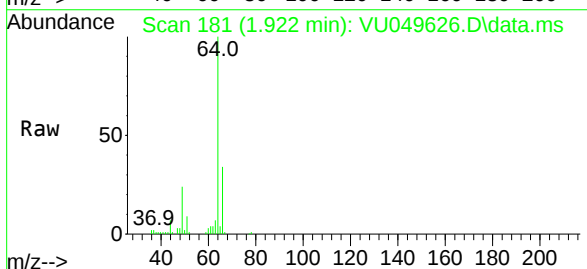
Instrument :  
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ClientSampleId :  
VU0705MBS01

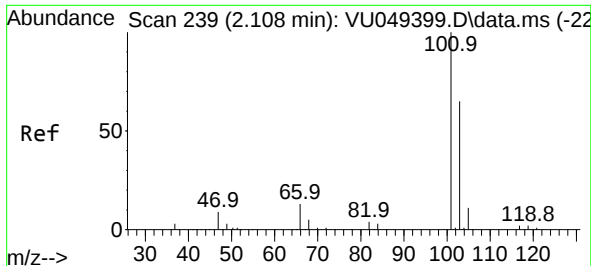
Tgt Ion: 94 Resp: 35170  
Ion Ratio Lower Upper  
94 100  
96 94.3 73.7 110.5



#6  
Chloroethane  
Concen: 24.571 ug/l  
RT: 1.922 min Scan# 181  
Delta R.T. 0.013 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 64 Resp: 37823  
Ion Ratio Lower Upper  
64 100  
66 33.8 24.7 37.1

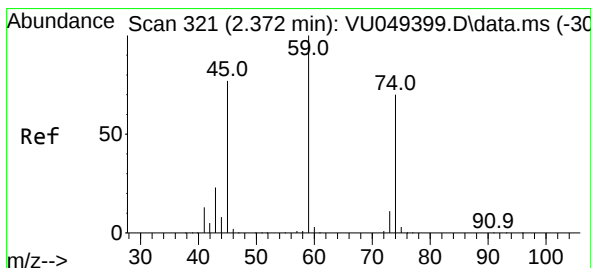
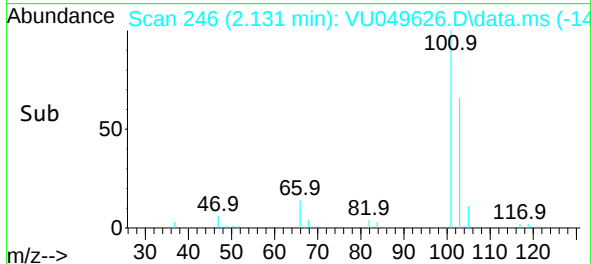
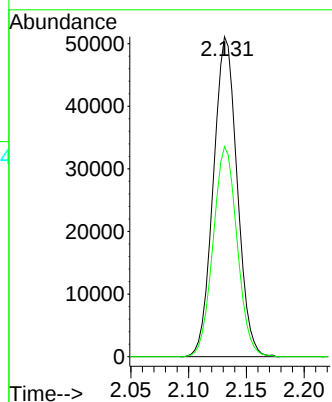
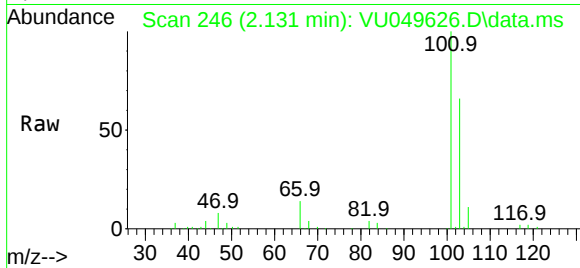




#7  
 Trichlorofluoromethane  
 Concen: 16.522 ug/l  
 RT: 2.131 min Scan# 246  
 Delta R.T. 0.023 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

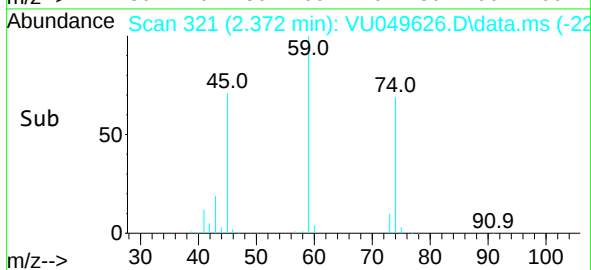
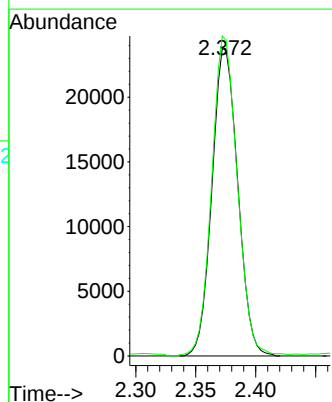
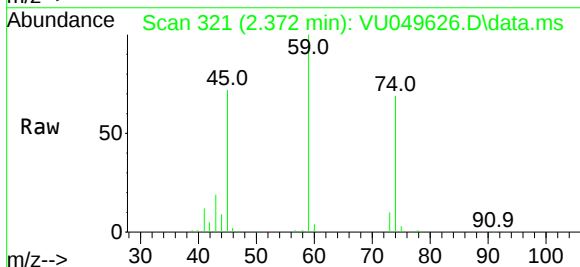
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0705MBS01

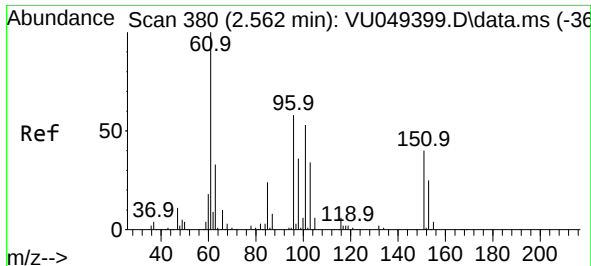
Tgt Ion:101 Resp: 73283  
 Ion Ratio Lower Upper  
 101 100  
 103 65.6 50.6 75.8



#8  
 Diethyl Ether  
 Concen: 22.170 ug/l  
 RT: 2.372 min Scan# 321  
 Delta R.T. 0.000 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

Tgt Ion: 74 Resp: 35522  
 Ion Ratio Lower Upper  
 74 100  
 45 103.6 44.4 133.2

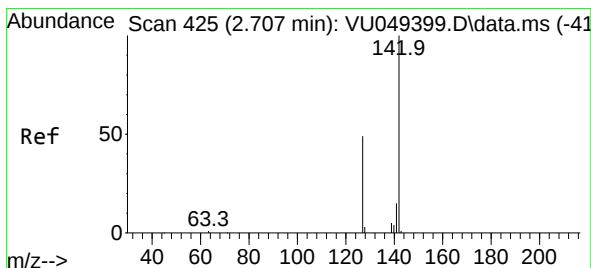
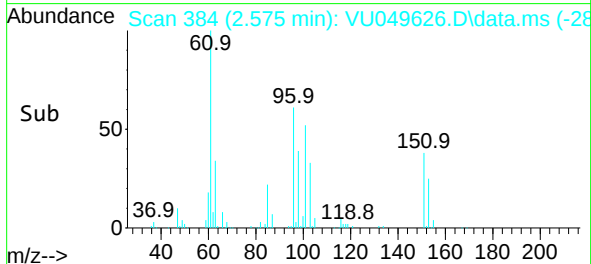
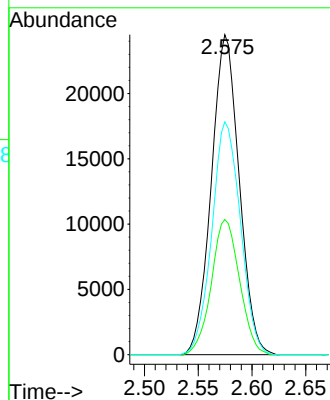
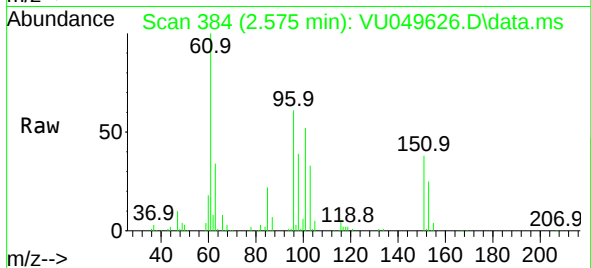




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.484 ug/l  
RT: 2.575 min Scan# 380  
Delta R.T. 0.013 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

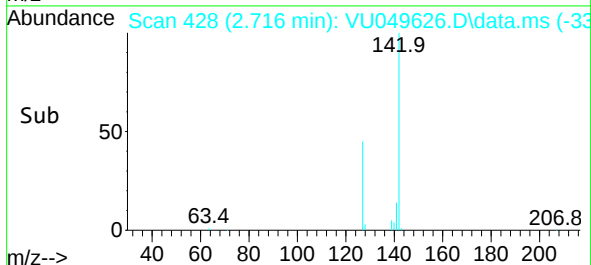
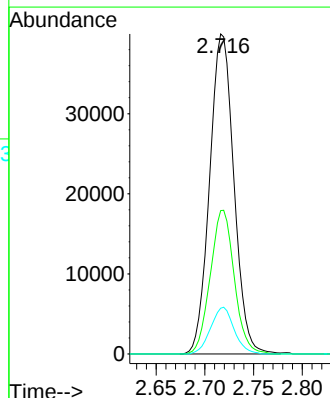
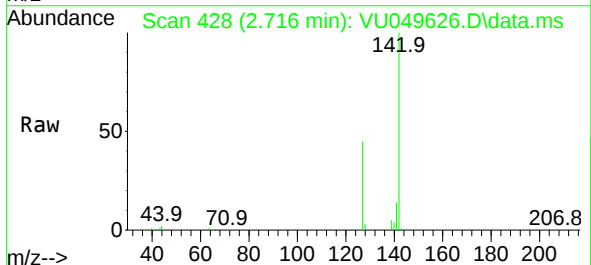
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

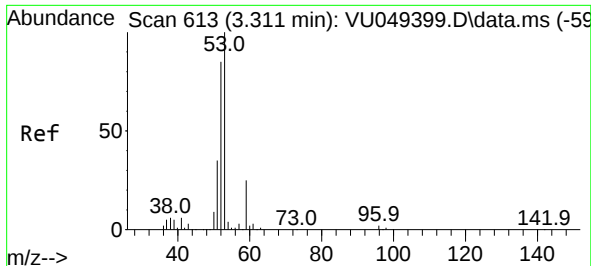
Tgt Ion:101 Resp: 44112  
Ion Ratio Lower Upper  
101 100  
85 42.8 33.9 50.9  
151 74.8 64.0 96.0



#10  
Methyl Iodide  
Concen: 32.632 ug/l  
RT: 2.716 min Scan# 428  
Delta R.T. 0.010 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion:142 Resp: 69329  
Ion Ratio Lower Upper  
142 100  
127 44.3 32.5 48.7  
141 14.1 11.4 17.0

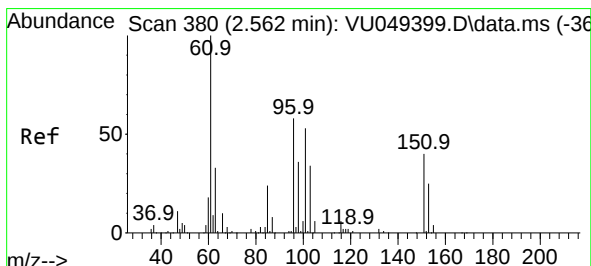
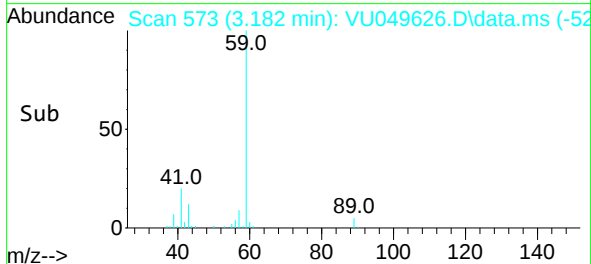
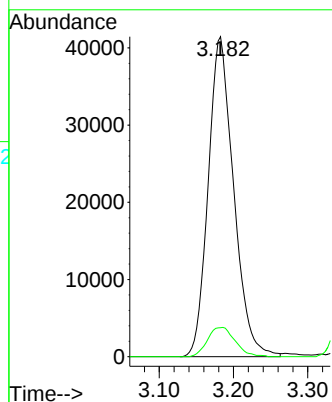
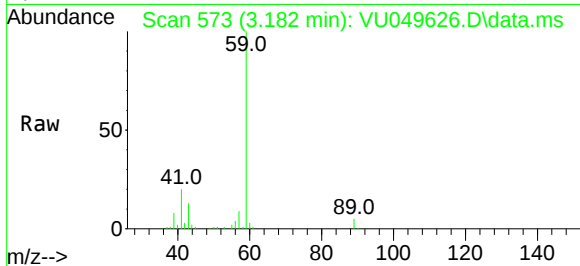




#11  
Tert butyl alcohol  
Concen: 127.111 ug/l  
RT: 3.182 min Scan# 51  
Delta R.T. -0.129 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

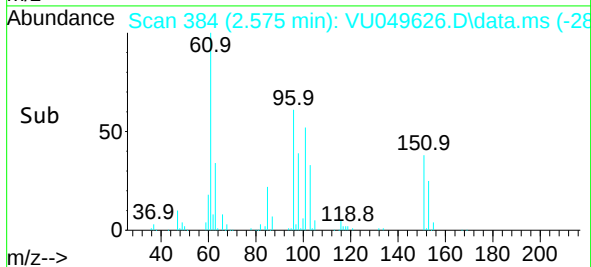
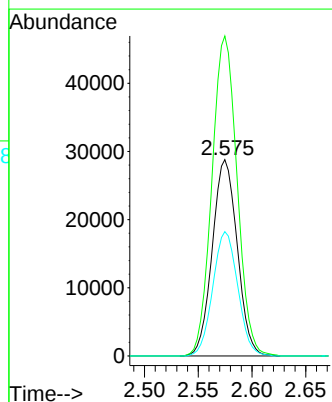
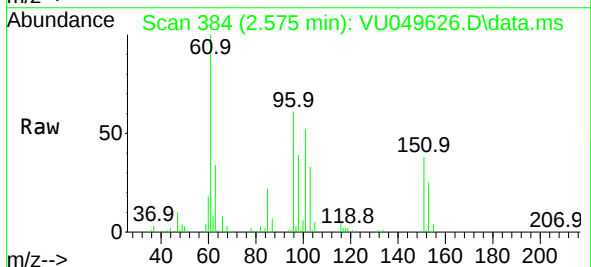
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

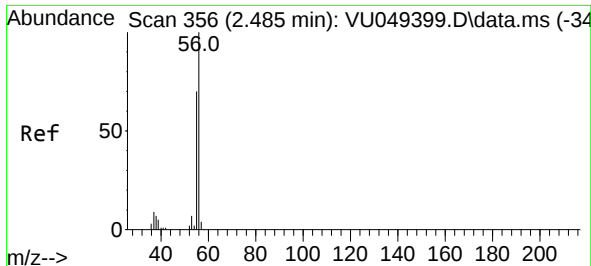
Tgt Ion: 59 Resp: 98569  
Ion Ratio Lower Upper  
59 100  
57 10.0 30.6 45.8#



#12  
1,1-Dichloroethene  
Concen: 19.885 ug/l  
RT: 2.575 min Scan# 384  
Delta R.T. 0.013 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

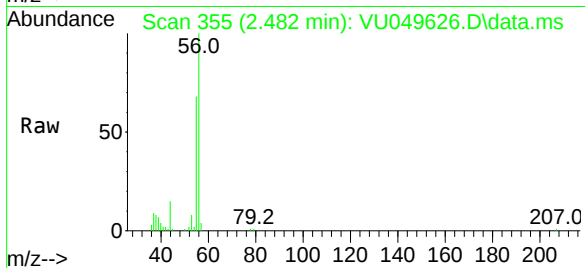
Tgt Ion: 96 Resp: 46462  
Ion Ratio Lower Upper  
96 100  
61 163.0 122.2 183.2  
98 63.3 50.7 76.1



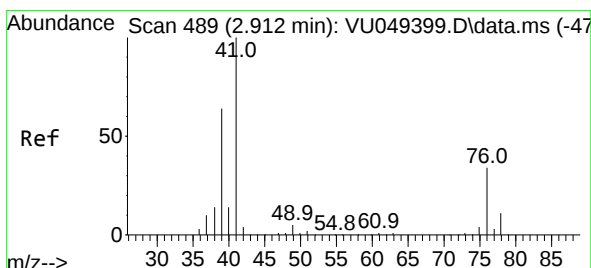
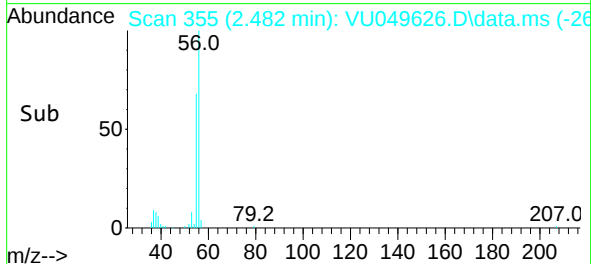
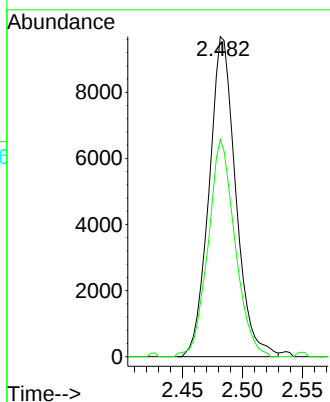


#13  
Acrolein  
Concen: 28.527 ug/l  
RT: 2.482 min Scan# 31  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

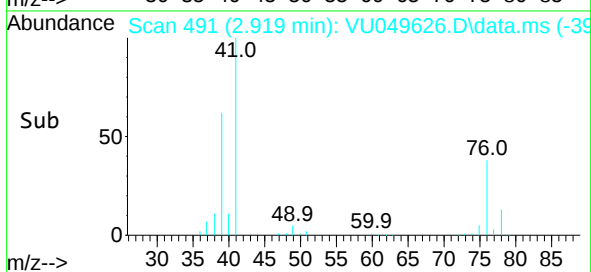
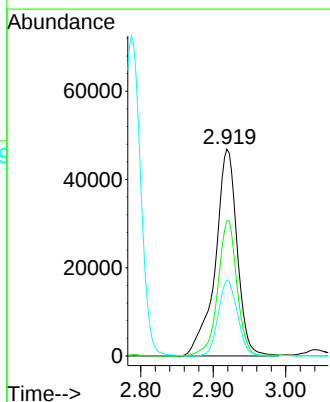
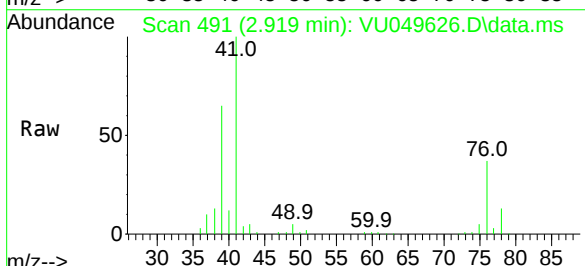


Tgt Ion: 56 Resp: 14981  
Ion Ratio Lower Upper  
56 100  
55 68.4 56.6 85.0



#14  
Allyl chloride  
Concen: 20.787 ug/l  
RT: 2.919 min Scan# 491  
Delta R.T. 0.006 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 41 Resp: 98161  
Ion Ratio Lower Upper  
41 100  
39 57.1 53.4 80.2  
76 32.1 33.8 50.6#

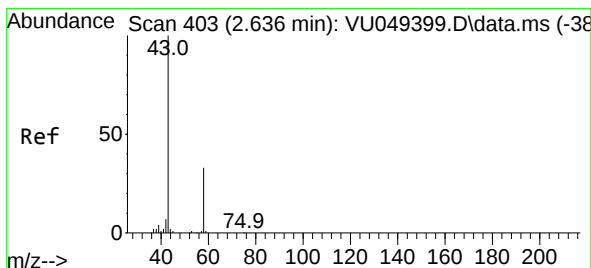
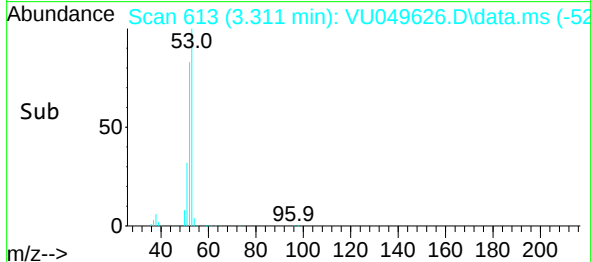
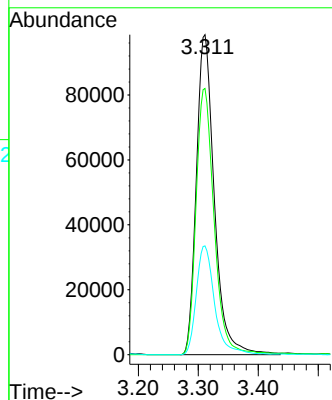
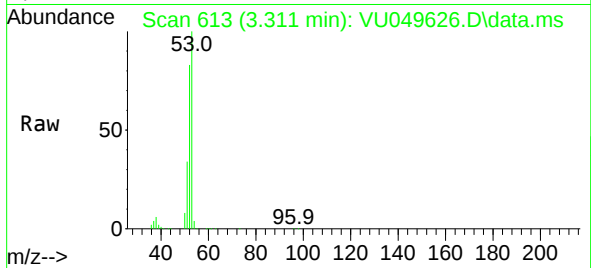




#15  
Acrylonitrile  
Concen: 110.514 ug/l  
RT: 3.311 min Scan# 615  
Delta R.T. -0.006 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

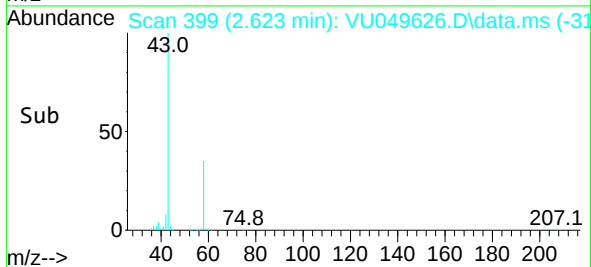
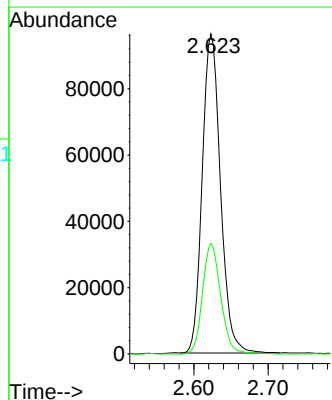
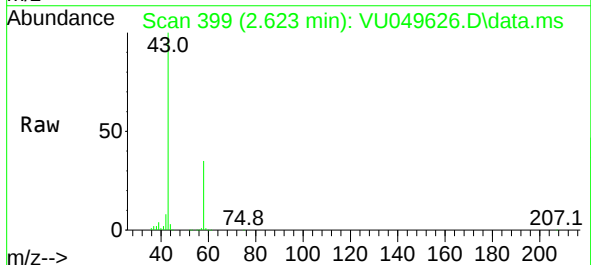
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

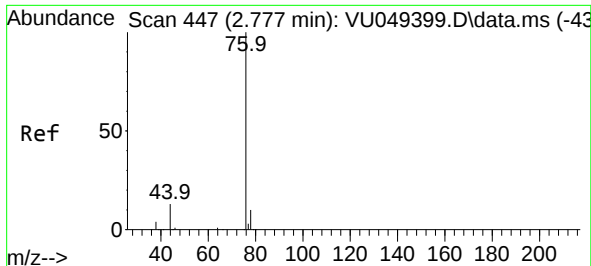
Tgt Ion: 53 Resp: 206111  
Ion Ratio Lower Upper  
53 100  
52 83.4 65.7 98.5  
51 34.7 28.2 42.4



#16  
Acetone  
Concen: 98.277 ug/l  
RT: 2.623 min Scan# 399  
Delta R.T. -0.013 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 43 Resp: 164198  
Ion Ratio Lower Upper  
43 100  
58 34.7 27.5 41.3

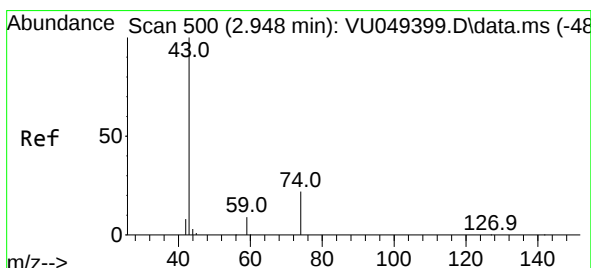
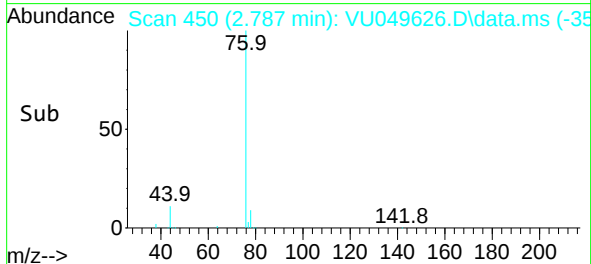
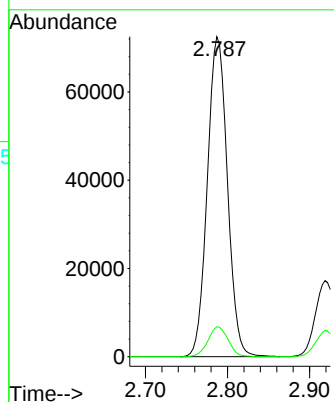
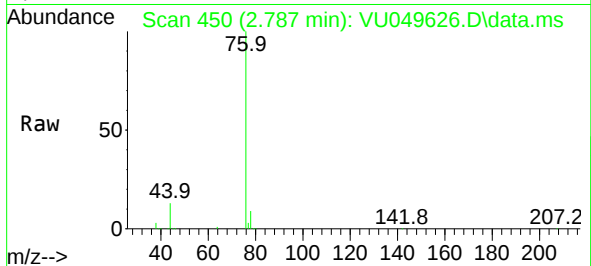




#17  
Carbon Disulfide  
Concen: 16.929 ug/l  
RT: 2.787 min Scan# 411  
Delta R.T. 0.010 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

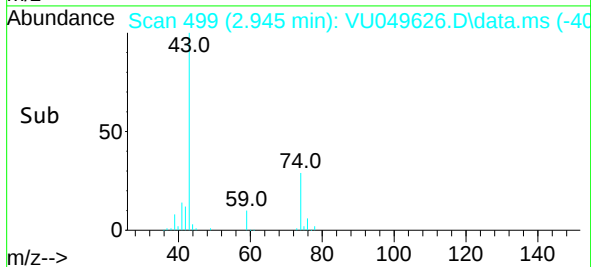
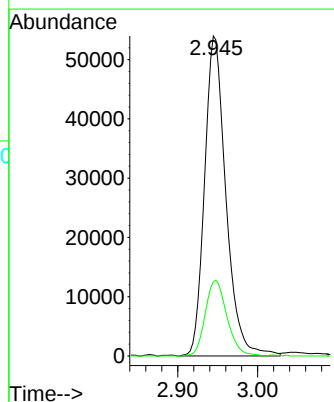
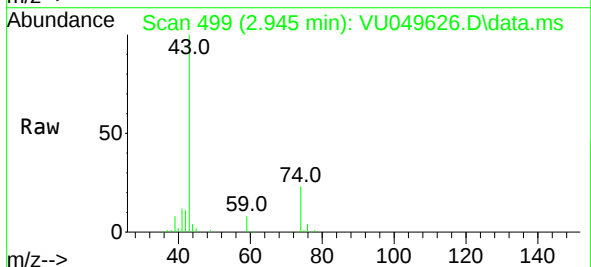
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

Tgt Ion: 76 Resp: 123361  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.3 10.9



#18  
Methyl Acetate  
Concen: 22.214 ug/l  
RT: 2.945 min Scan# 499  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 43 Resp: 100469  
Ion Ratio Lower Upper  
43 100  
74 24.0 22.5 33.7





#19

Methyl tert-butyl Ether

Concen: 23.055 ug/l

RT: 3.362 min Scan# 61

Delta R.T. -0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

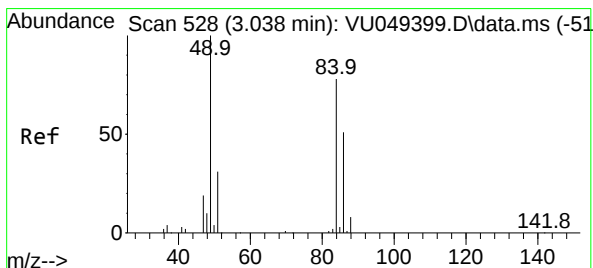
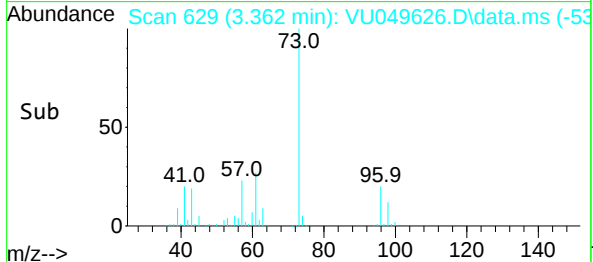
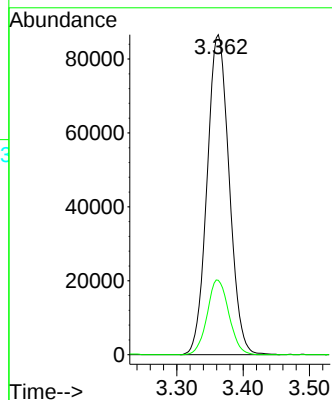
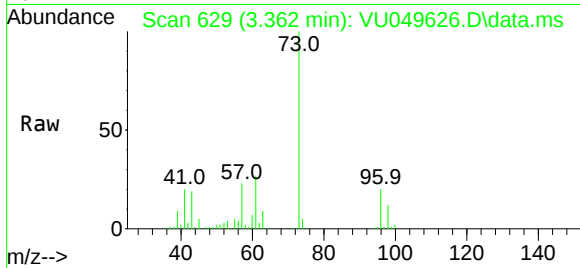
VU0705MBS01

Tgt Ion: 73 Resp: 200352

Ion Ratio Lower Upper

73 100

57 23.2 17.1 25.7



#20

Methylene Chloride

Concen: 23.551 ug/l

RT: 3.041 min Scan# 529

Delta R.T. 0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Tgt Ion: 84 Resp: 66593

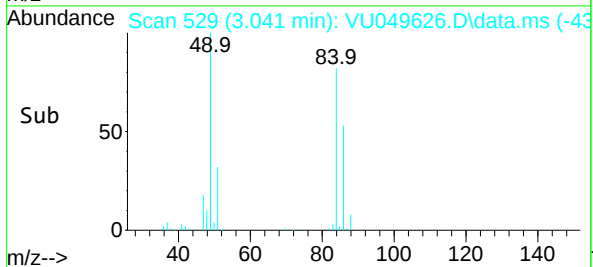
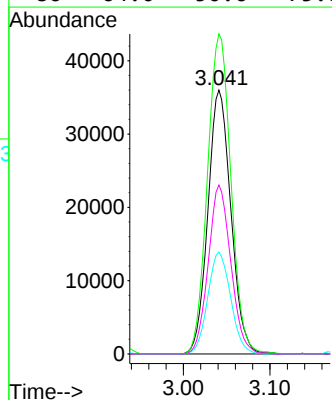
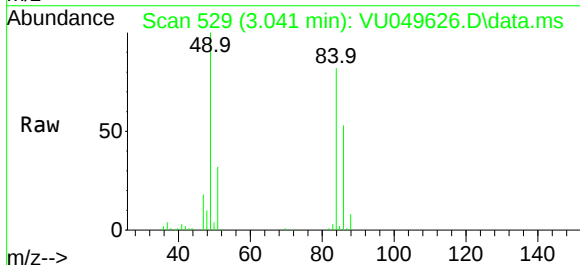
Ion Ratio Lower Upper

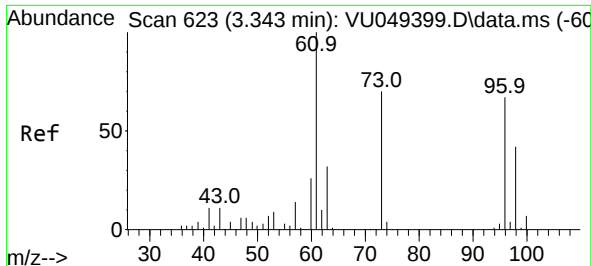
84 100

49 121.3 86.6 129.8

51 38.6 26.6 40.0

86 64.0 50.6 75.8

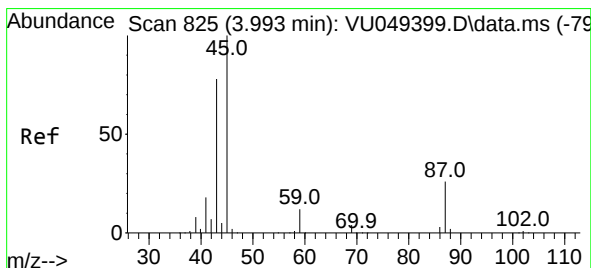
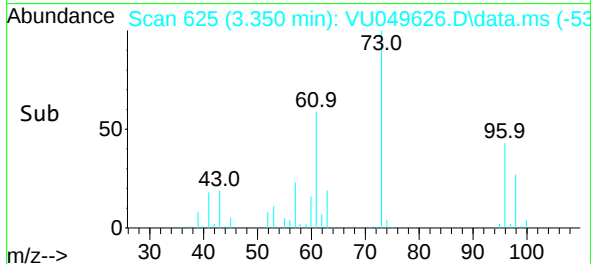
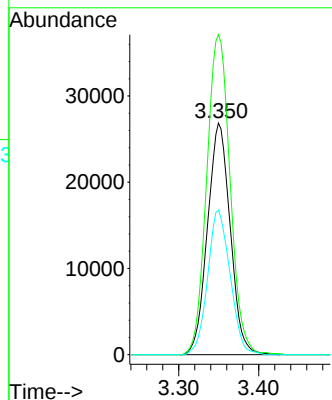
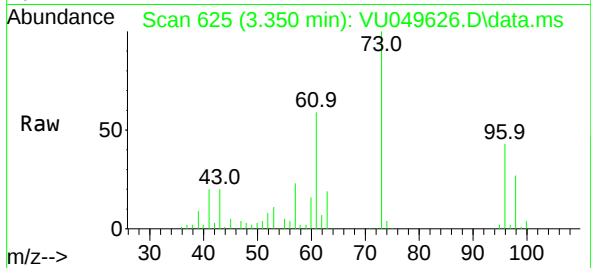




#21  
trans-1,2-Dichloroethene  
Concen: 21.093 ug/l  
RT: 3.350 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

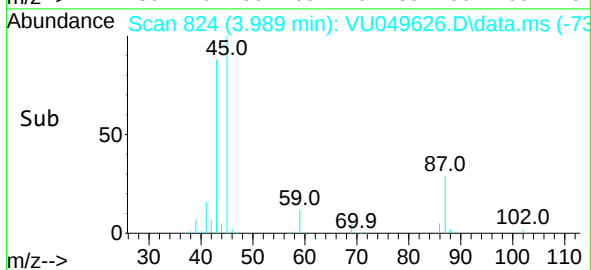
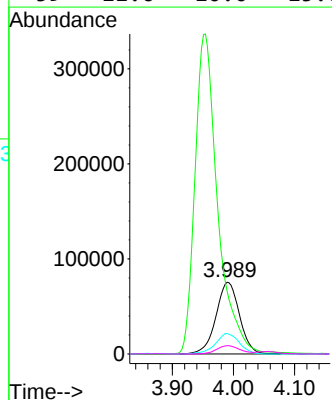
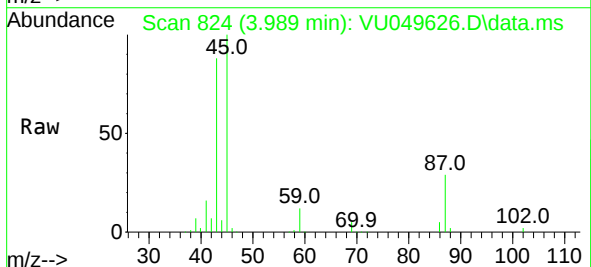
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBSD01

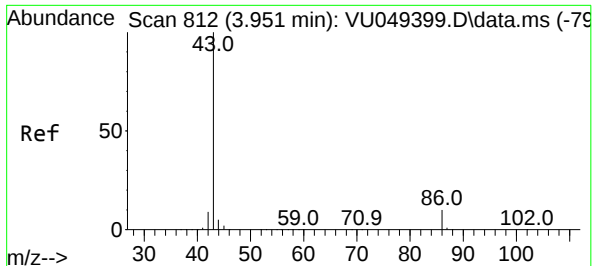
Tgt Ion: 96 Resp: 53130  
Ion Ratio Lower Upper  
96 100  
61 138.1 106.1 159.1  
98 62.5 50.8 76.2



#22  
Diisopropyl ether  
Concen: 22.326 ug/l  
RT: 3.989 min Scan# 824  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 45 Resp: 201293  
Ion Ratio Lower Upper  
45 100  
43 85.8 92.9 139.3#  
87 28.5 26.2 39.2  
59 11.6 10.0 15.0

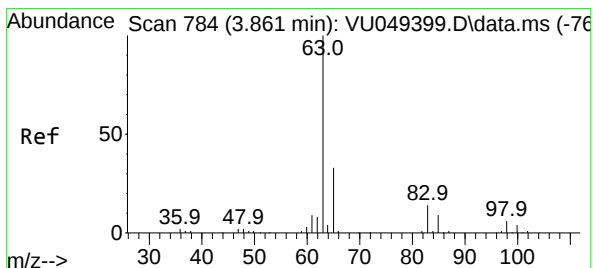
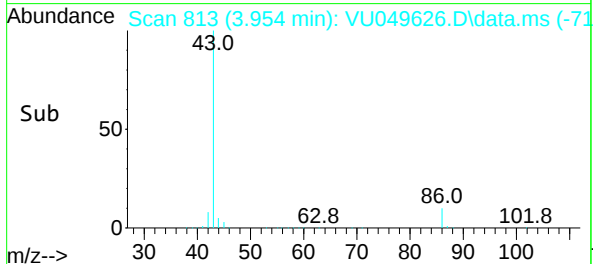
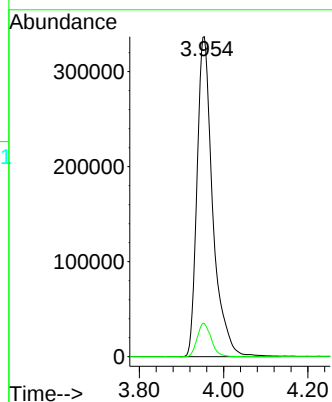
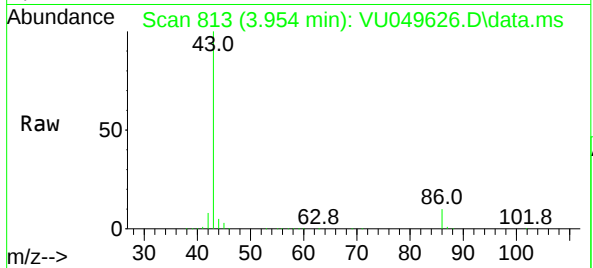




#23  
 Vinyl Acetate  
 Concen: 110.086 ug/l  
 RT: 3.954 min Scan# 812  
 Delta R.T. 0.003 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

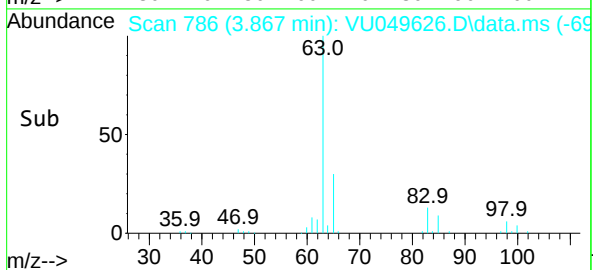
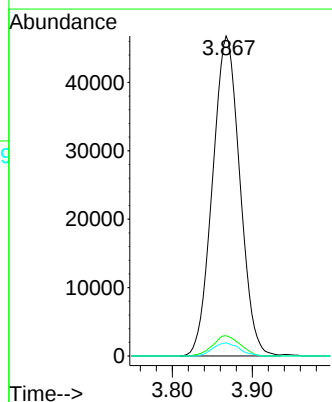
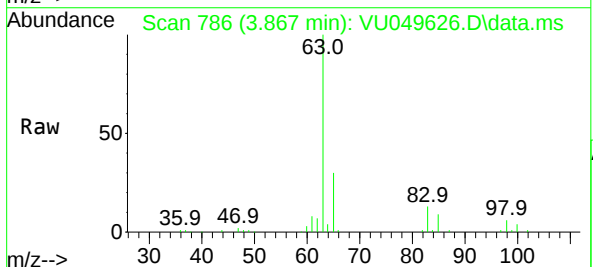
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0705MBS01

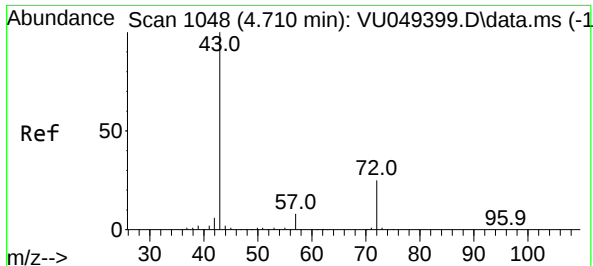
Tgt Ion: 43 Resp: 869944  
 Ion Ratio Lower Upper  
 43 100  
 86 10.3 9.8 14.8



#24  
 1,1-Dichloroethane  
 Concen: 21.401 ug/l  
 RT: 3.867 min Scan# 786  
 Delta R.T. 0.006 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

Tgt Ion: 63 Resp: 110833  
 Ion Ratio Lower Upper  
 63 100  
 98 6.3 3.6 10.9  
 100 4.1 2.4 7.2





#25

2-Butanone

Concen: 111.052 ug/l

RT: 4.700 min Scan# 1

Delta R.T. -0.010 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

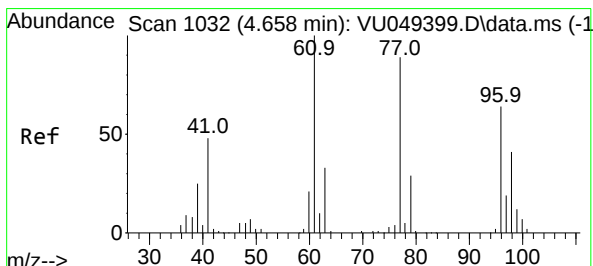
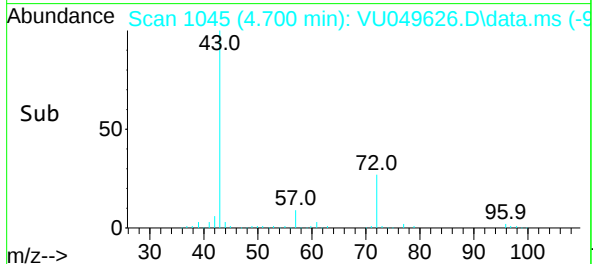
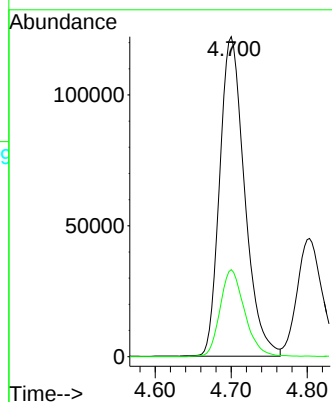
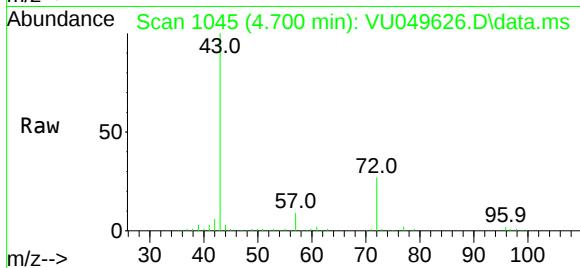
VU0705MBS01

Tgt Ion: 43 Resp: 278060

Ion Ratio Lower Upper

43 100

72 27.3 23.8 35.6



#26

2,2-Dichloropropane

Concen: 18.791 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. 0.006 min

Lab File: VU049626.D

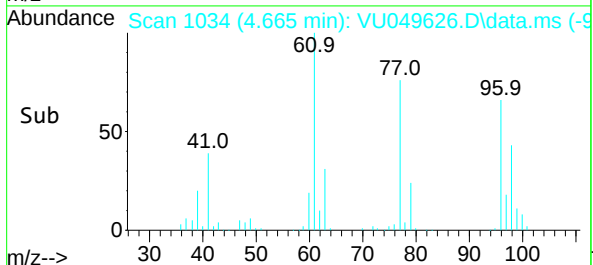
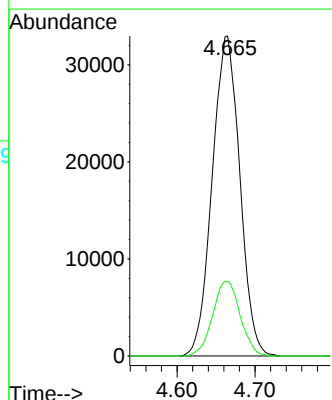
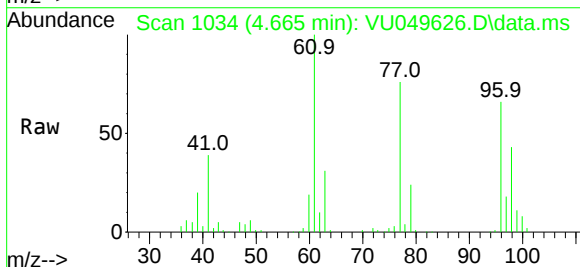
Acq: 05 Jul 2022 18:22

Tgt Ion: 77 Resp: 80995

Ion Ratio Lower Upper

77 100

97 23.3 11.6 34.8

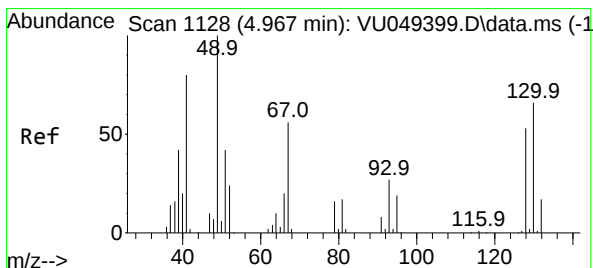
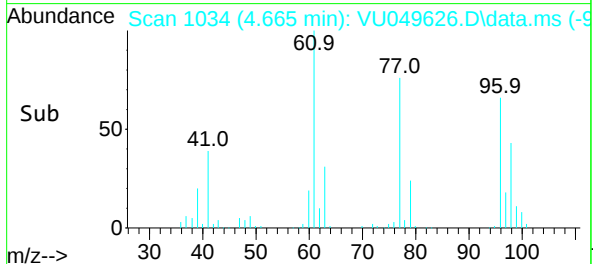
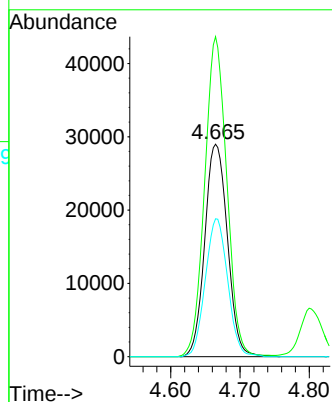
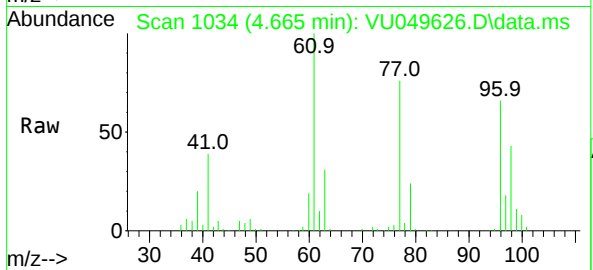




#27  
 cis-1,2-Dichloroethene  
 Concen: 22.663 ug/l  
 RT: 4.665 min Scan# 1130  
 Delta R.T. 0.003 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

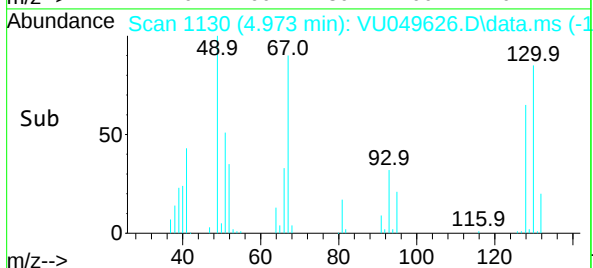
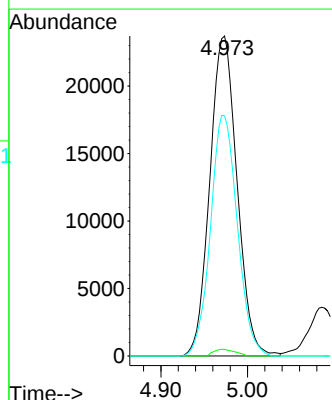
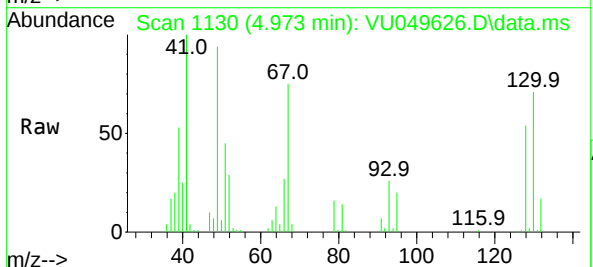
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0705MBS01

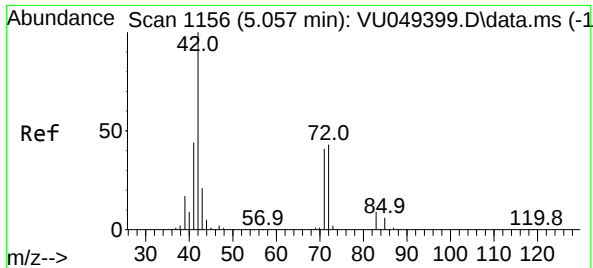
Tgt Ion: 96 Resp: 65953  
 Ion Ratio Lower Upper  
 96 100  
 61 146.7 0.0 271.6  
 98 64.0 0.0 128.2



#28  
 Bromochloromethane  
 Concen: 22.882 ug/l  
 RT: 4.973 min Scan# 1130  
 Delta R.T. 0.006 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

Tgt Ion: 49 Resp: 51799  
 Ion Ratio Lower Upper  
 49 100  
 129 1.6 0.0 4.6  
 130 74.3 76.9 115.3#





#29

Tetrahydrofuran

Concen: 107.502 ug/l

RT: 5.047 min Scan# 1153

Delta R.T. -0.010 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBS01

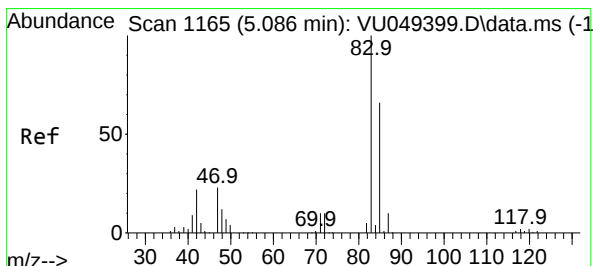
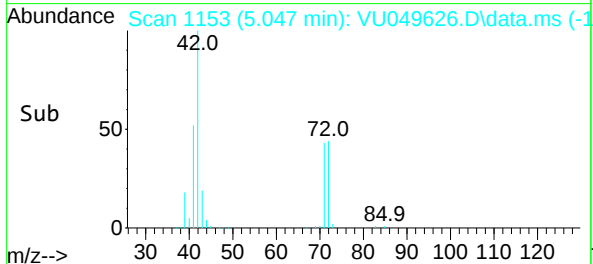
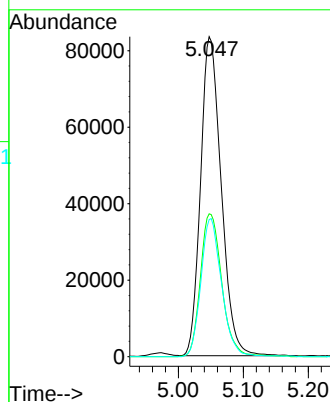
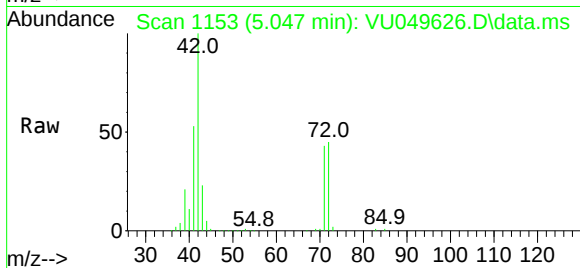
Tgt Ion: 42 Resp: 184654

Ion Ratio Lower Upper

42 100

72 46.4 42.6 63.8

71 43.4 40.3 60.5



#30

Chloroform

Concen: 21.327 ug/l

RT: 5.086 min Scan# 1165

Delta R.T. 0.000 min

Lab File: VU049626.D

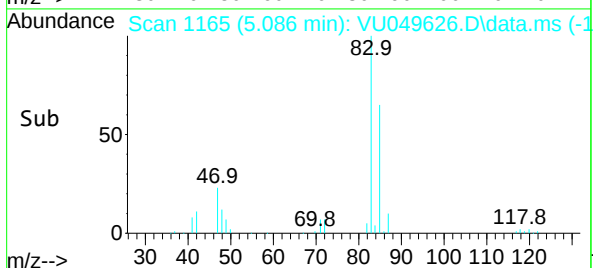
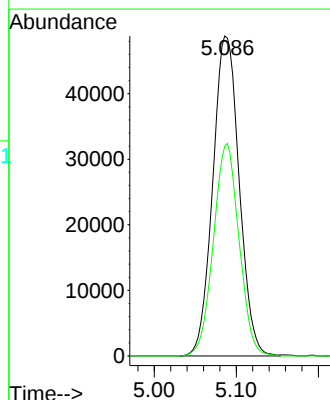
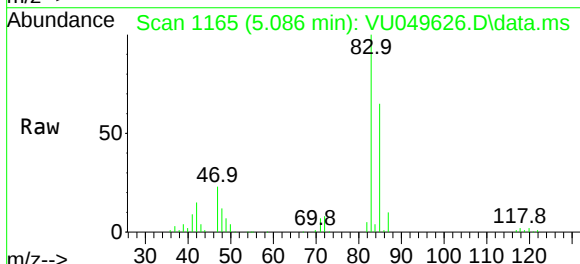
Acq: 05 Jul 2022 18:22

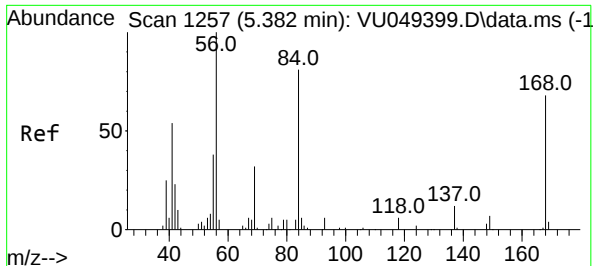
Tgt Ion: 83 Resp: 109257

Ion Ratio Lower Upper

83 100

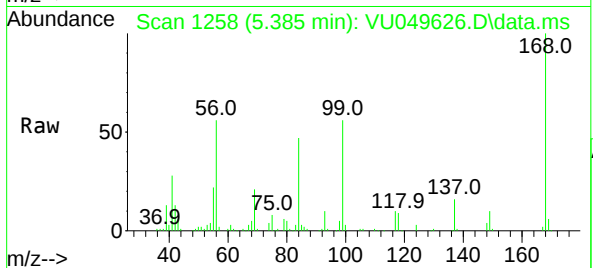
85 65.5 51.2 76.8



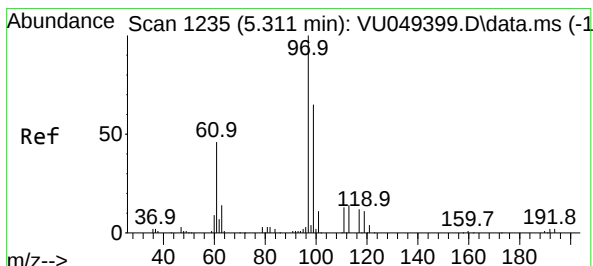
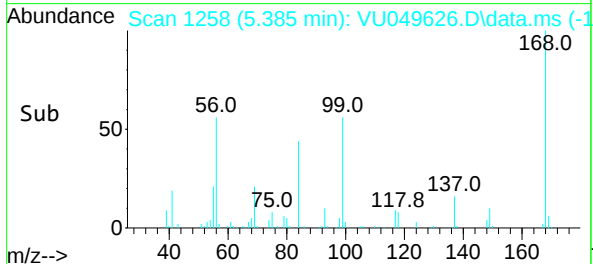
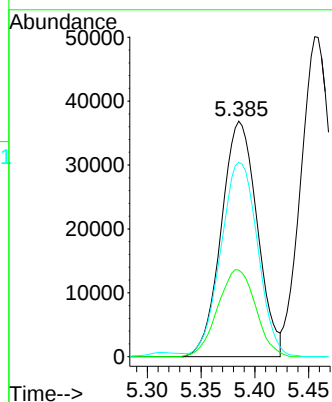


#31  
Cyclohexane  
Concen: 17.241 ug/l  
RT: 5.385 min Scan# 1257  
Delta R.T. 0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

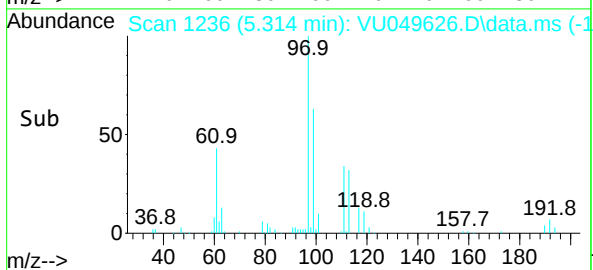
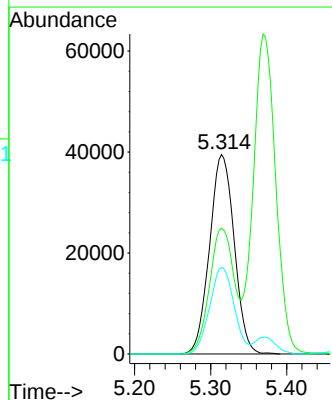
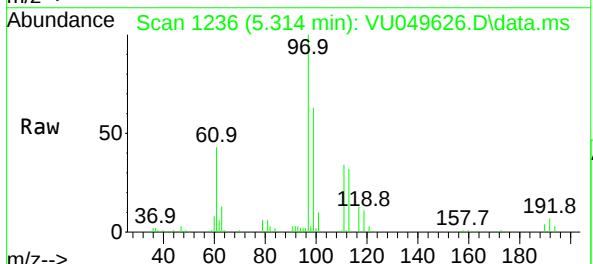


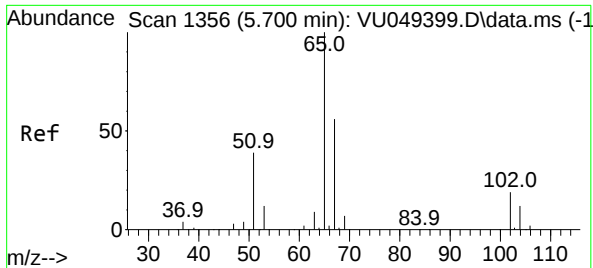
Tgt Ion: 56 Resp: 85768  
Ion Ratio Lower Upper  
56 100  
69 36.8 27.8 41.8  
84 81.1 74.2 111.4



#32  
1,1,1-Trichloroethane  
Concen: 20.016 ug/l  
RT: 5.314 min Scan# 1236  
Delta R.T. 0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 97 Resp: 88968  
Ion Ratio Lower Upper  
97 100  
99 63.2 51.8 77.6  
61 43.0 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 53.505 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

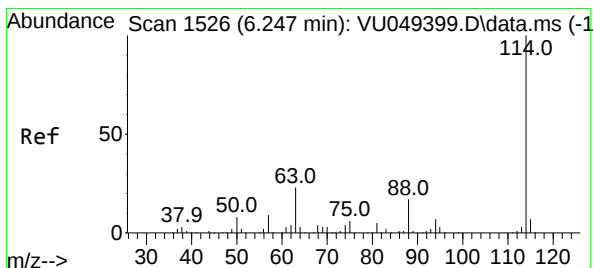
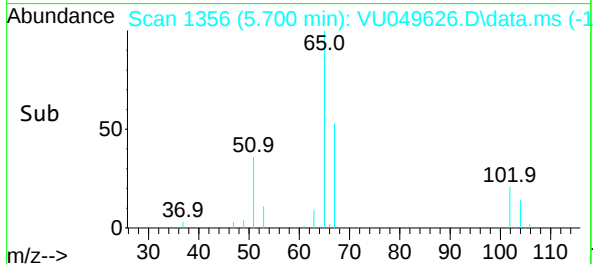
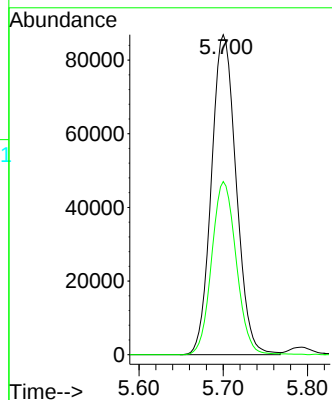
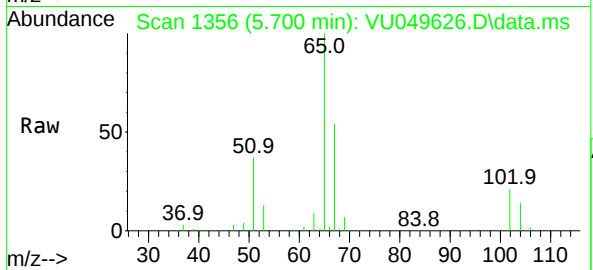
VU0705MBS01

Tgt Ion: 65 Resp: 177268

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.247 min Scan# 1526

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

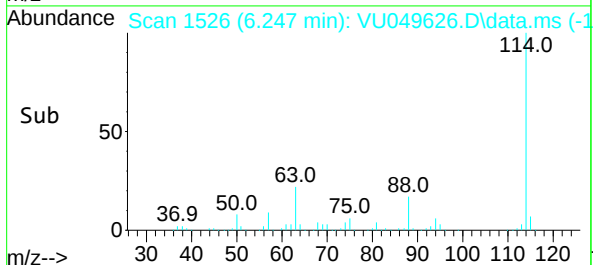
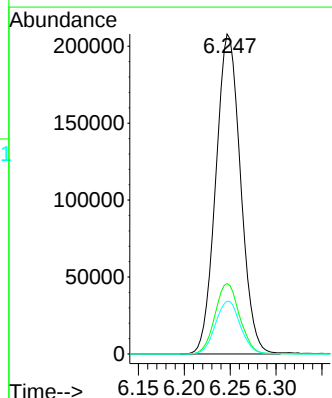
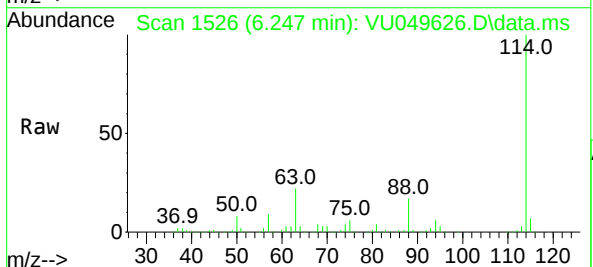
Tgt Ion: 114 Resp: 390371

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

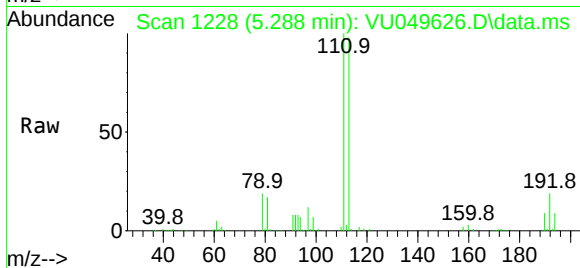
88 16.5 0.0 29.2



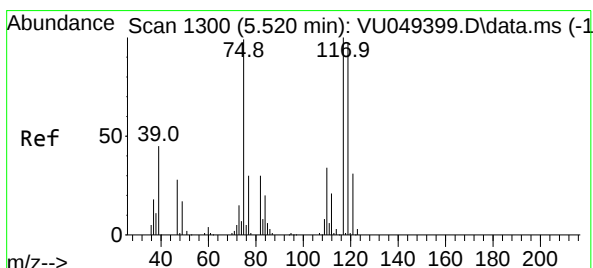
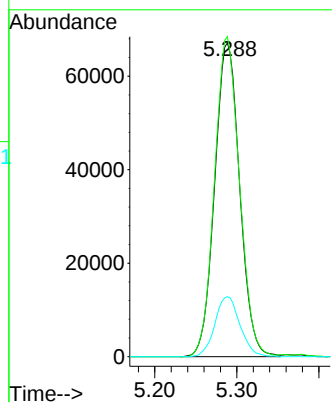
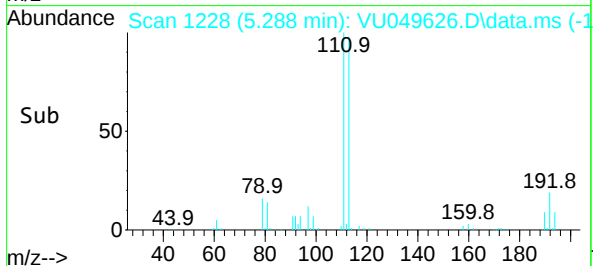


#35  
Dibromofluoromethane  
Concen: 52.157 ug/l  
RT: 5.288 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBSD01

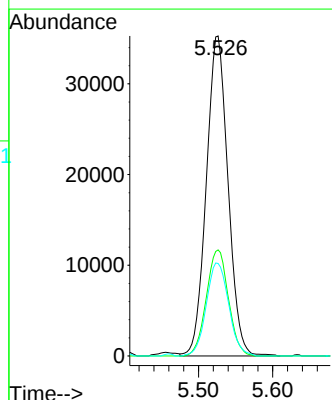
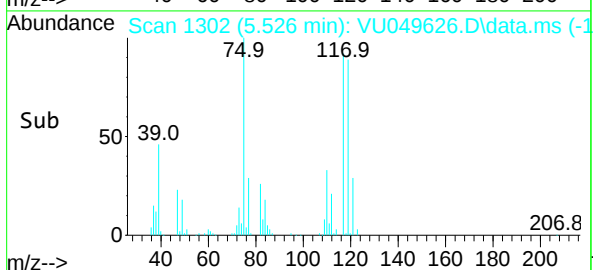
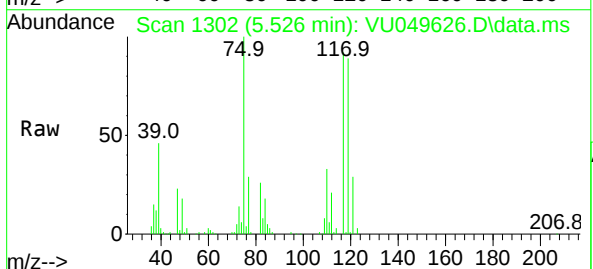


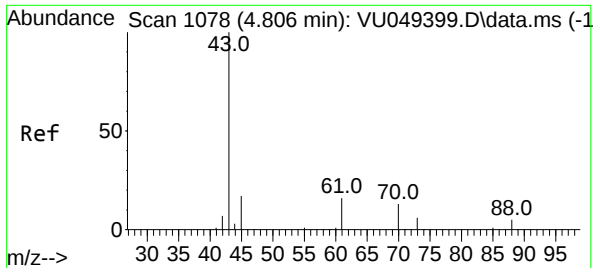
Tgt Ion:113 Resp: 142449  
Ion Ratio Lower Upper  
113 100  
111 101.5 82.1 123.1  
192 19.2 18.0 27.0



#36  
1,1-Dichloropropene  
Concen: 18.092 ug/l  
RT: 5.526 min Scan# 1302  
Delta R.T. 0.006 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 75 Resp: 71646  
Ion Ratio Lower Upper  
75 100  
110 33.6 18.4 55.2  
77 30.0 25.1 37.7





#37

Ethyl Acetate

Concen: 19.414 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBS01

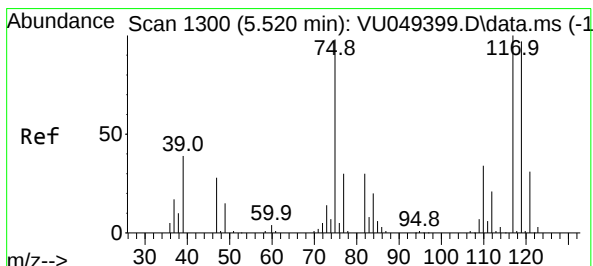
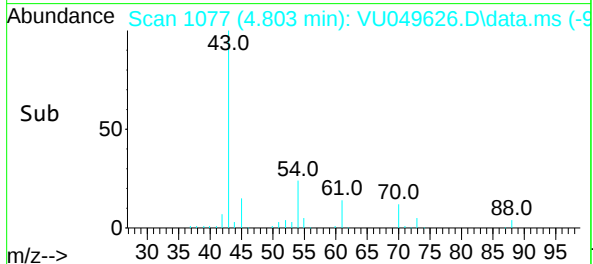
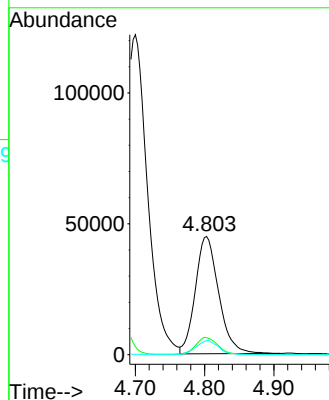
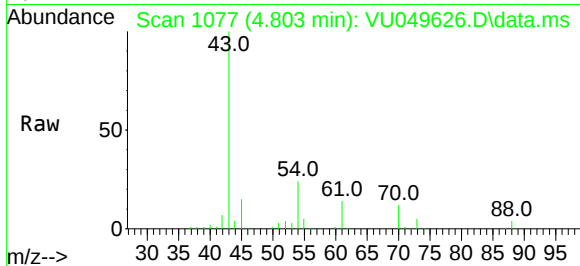
Tgt Ion: 43 Resp: 105057

Ion Ratio Lower Upper

43 100

61 13.9 9.5 14.3

70 11.3 7.5 11.3#



#38

Carbon Tetrachloride

Concen: 17.559 ug/l

RT: 5.523 min Scan# 1301

Delta R.T. 0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

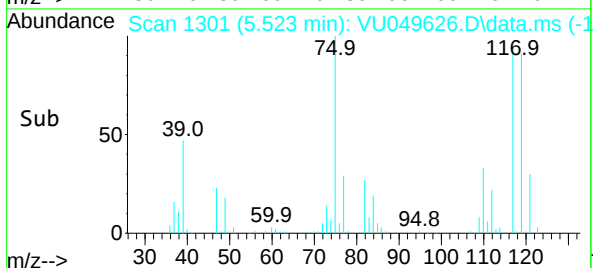
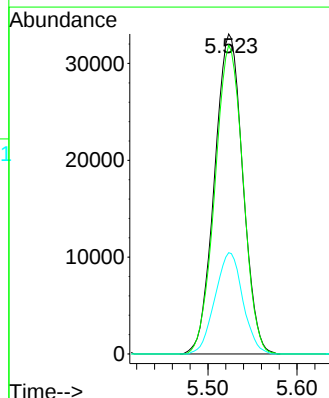
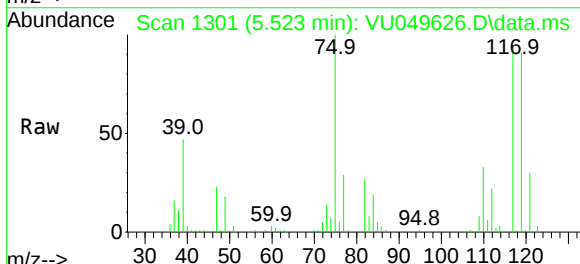
Tgt Ion: 117 Resp: 72924

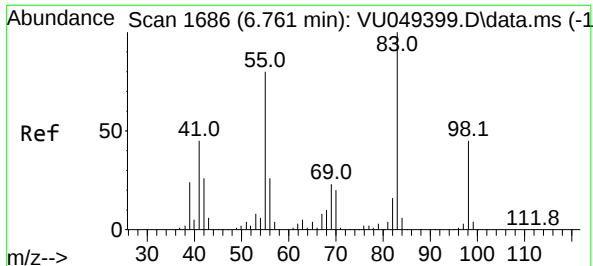
Ion Ratio Lower Upper

117 100

119 96.5 76.8 115.2

121 31.7 24.7 37.1





#39

Methylcyclohexane

Concen: 15.823 ug/l

RT: 6.761 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBS01

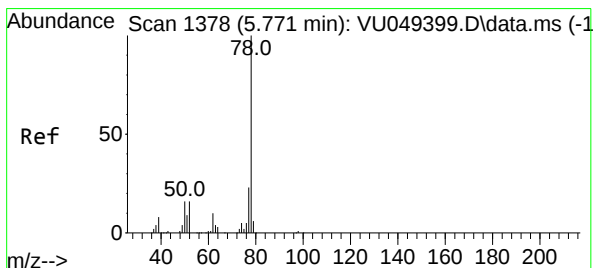
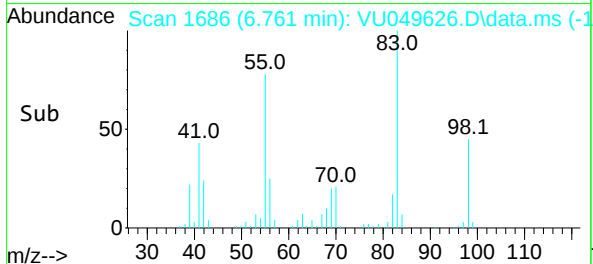
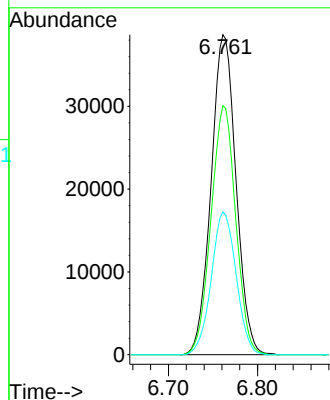
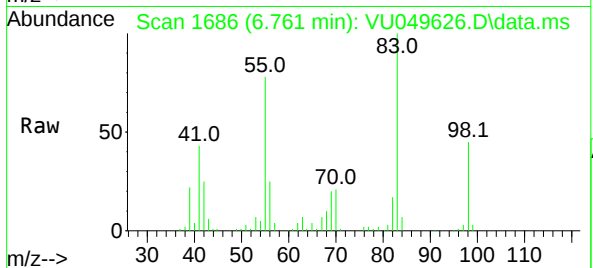
Tgt Ion: 83 Resp: 75108

Ion Ratio Lower Upper

83 100

55 77.8 55.3 82.9

98 44.6 37.3 55.9



#40

Benzene

Concen: 20.000 ug/l

RT: 5.774 min Scan# 1379

Delta R.T. 0.003 min

Lab File: VU049626.D

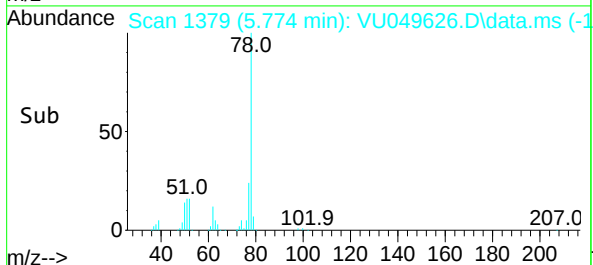
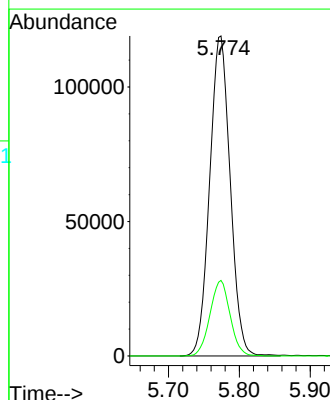
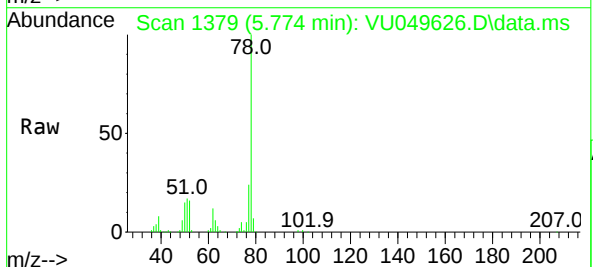
Acq: 05 Jul 2022 18:22

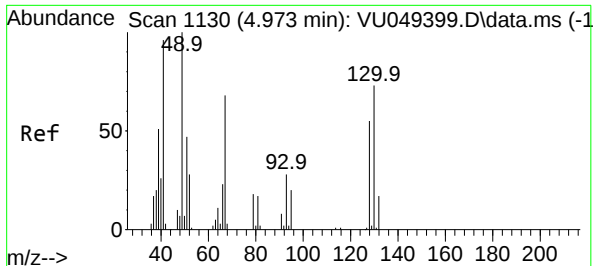
Tgt Ion: 78 Resp: 239119

Ion Ratio Lower Upper

78 100

77 23.6 18.8 28.2

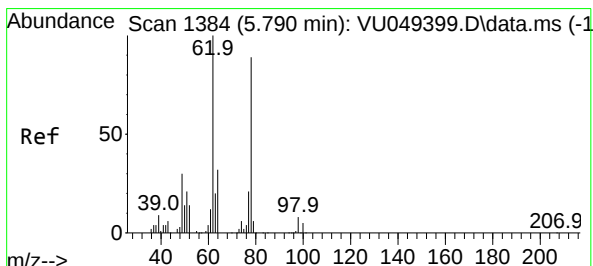
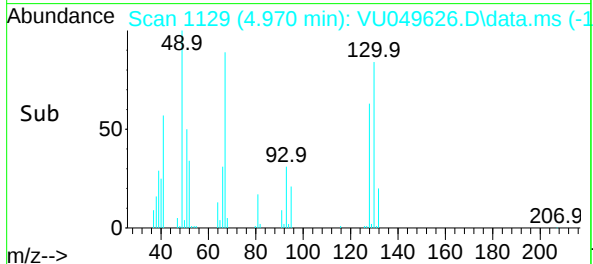
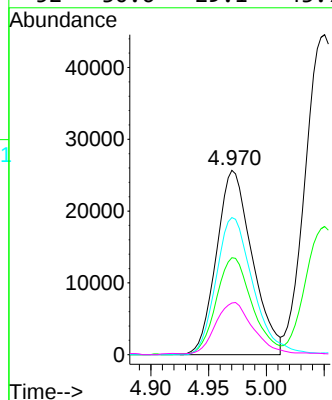
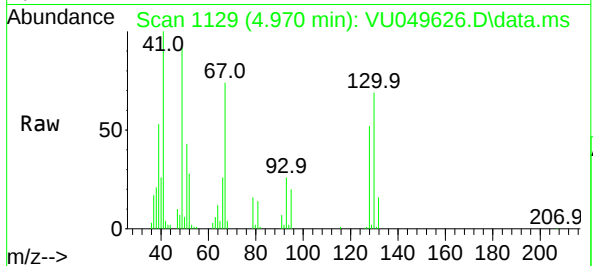




#41  
Methacrylonitrile  
Concen: 20.395 ug/l  
RT: 4.970 min Scan# 1130  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

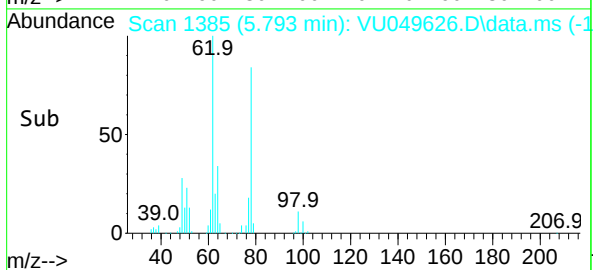
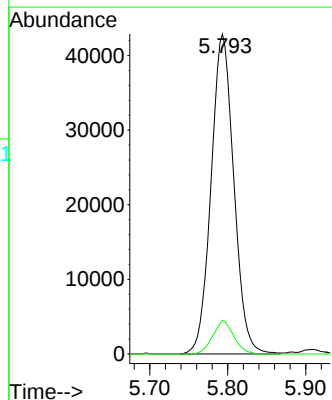
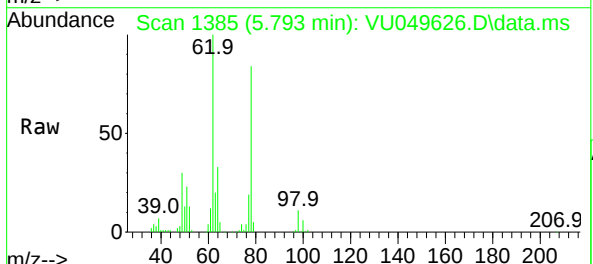
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

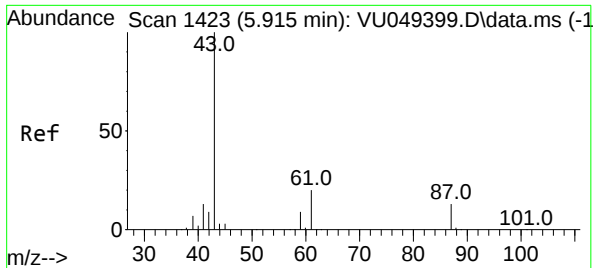
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 55300 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 52.9  | 43.1  | 64.7  |
| 67       | 76.9  | 72.3  | 108.5 |
| 52       | 30.6  | 29.1  | 43.7  |



#42  
1,2-Dichloroethane  
Concen: 19.549 ug/l  
RT: 5.793 min Scan# 1385  
Delta R.T. 0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 86989 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 9.6   | 0.0   | 18.6  |

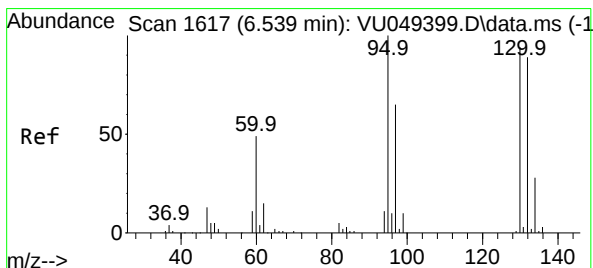
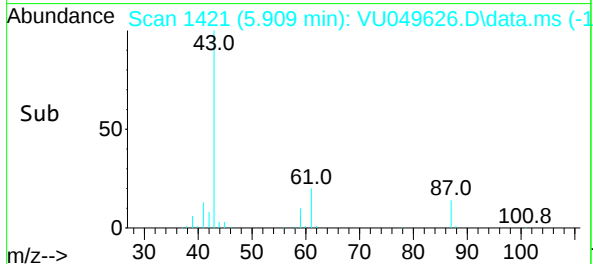
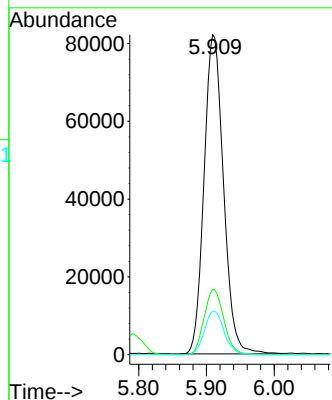
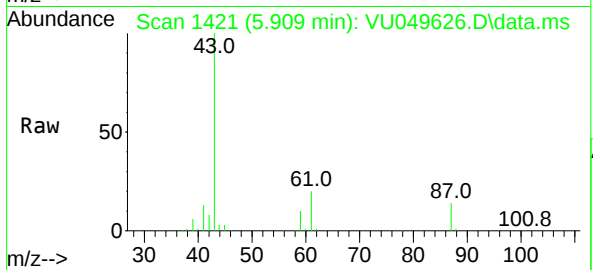




#43  
Isopropyl Acetate  
Concen: 20.616 ug/l  
RT: 5.909 min Scan# 1423  
Delta R.T. -0.006 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

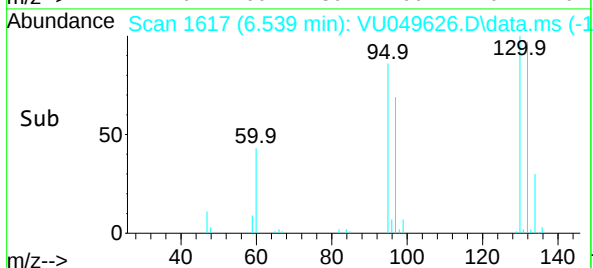
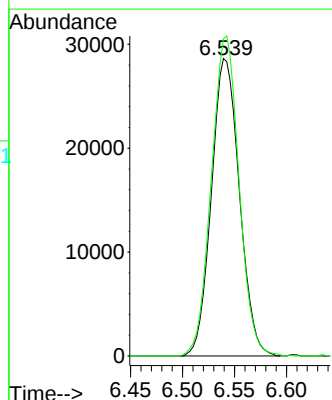
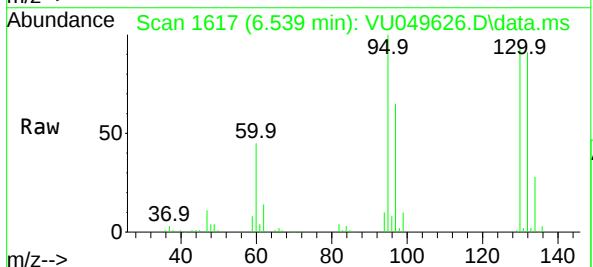
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

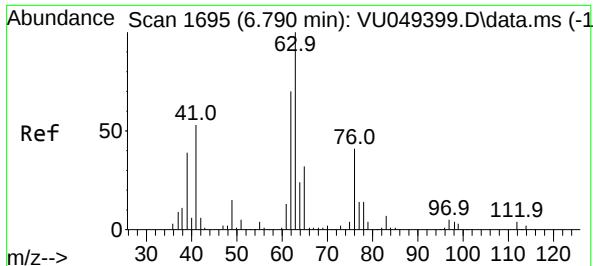
Tgt Ion: 43 Resp: 163465  
Ion Ratio Lower Upper  
43 100  
61 20.8 17.4 26.0  
87 13.8 12.6 18.8



#44  
Trichloroethene  
Concen: 18.843 ug/l  
RT: 6.539 min Scan# 1617  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion:130 Resp: 53556  
Ion Ratio Lower Upper  
130 100  
95 106.6 0.0 184.6





#45

1,2-Dichloropropane

Concen: 20.415 ug/l

RT: 6.790 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

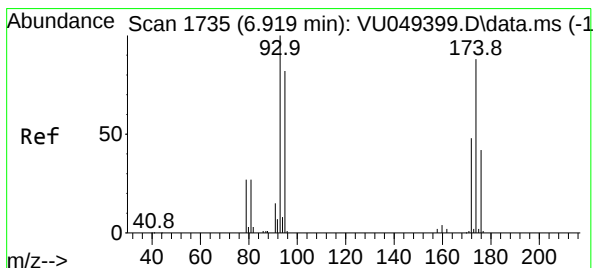
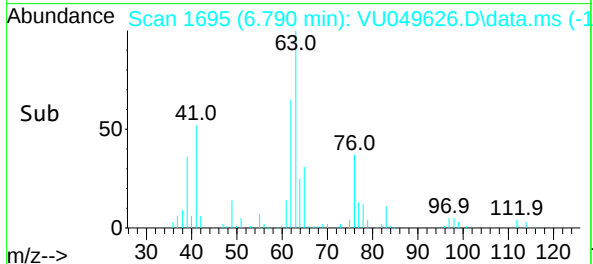
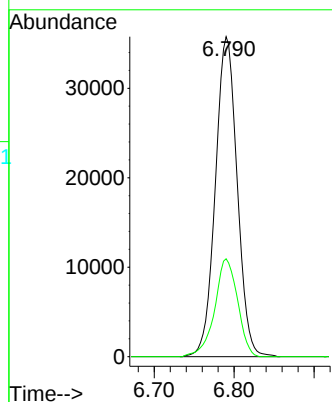
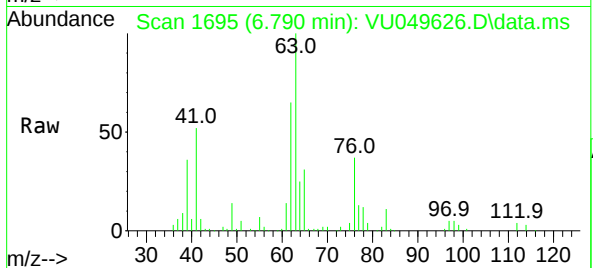
VU0705MBS01

Tgt Ion: 63 Resp: 67633

Ion Ratio Lower Upper

63 100

65 30.6 25.0 37.4



#46

Dibromomethane

Concen: 20.507 ug/l

RT: 6.919 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

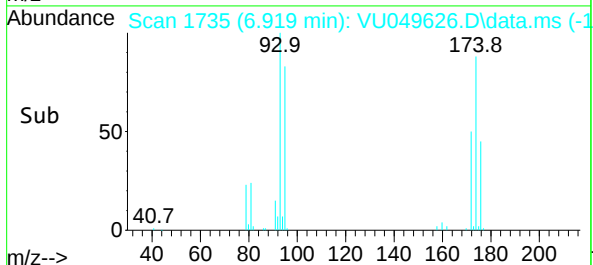
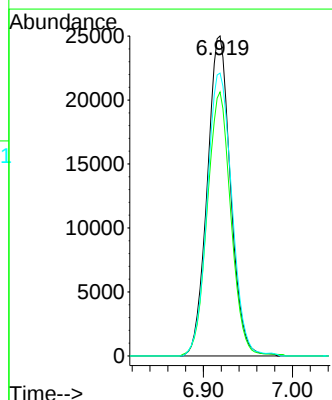
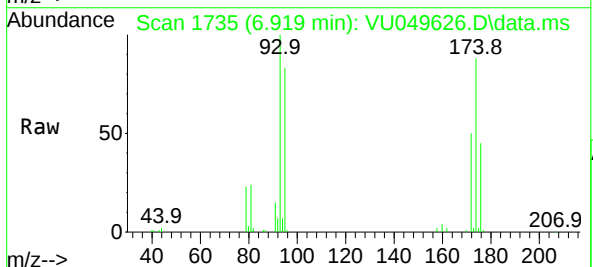
Tgt Ion: 93 Resp: 45295

Ion Ratio Lower Upper

93 100

95 83.8 66.3 99.5

174 93.8 88.2 132.4

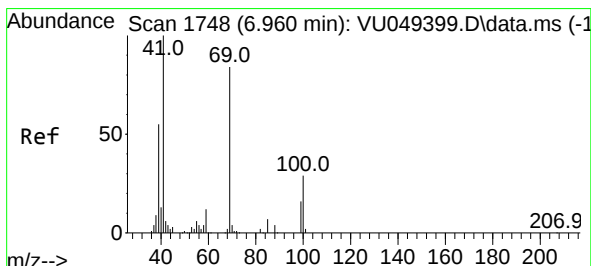
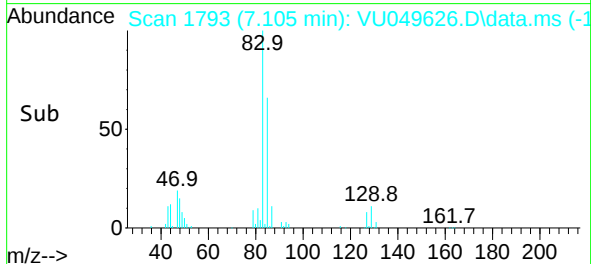
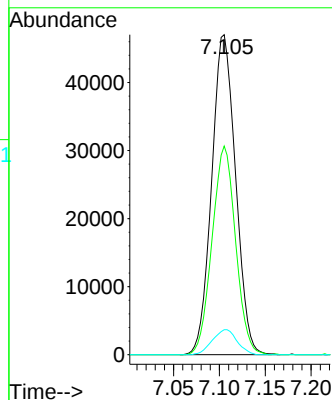
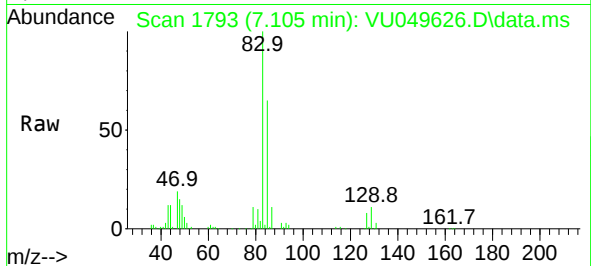




#47  
Bromodichloromethane  
Concen: 20.063 ug/l  
RT: 7.105 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

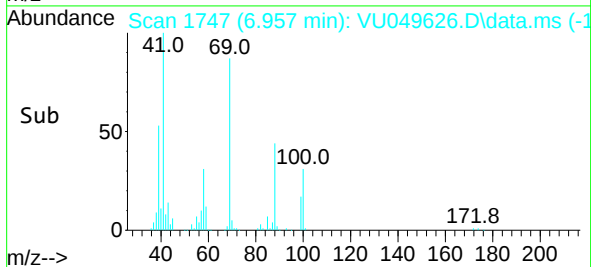
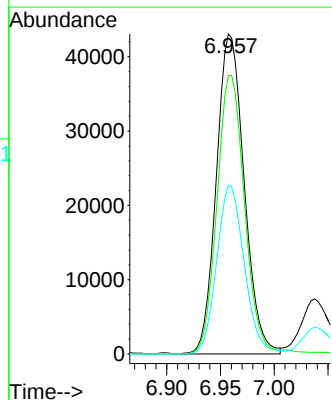
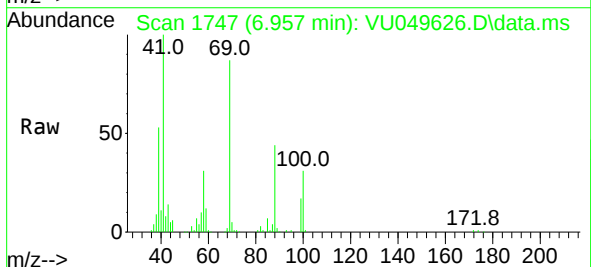
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBSD01

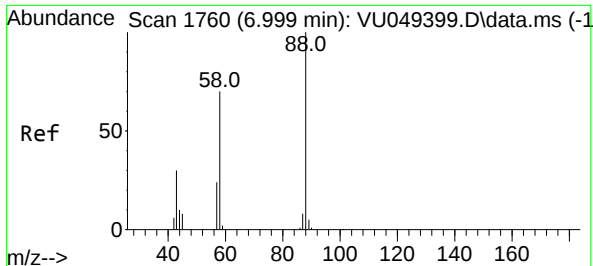
Tgt Ion: 83 Resp: 85295  
Ion Ratio Lower Upper  
83 100  
85 65.2 51.4 77.2  
127 7.8 7.1 10.7



#48  
Methyl methacrylate  
Concen: 20.828 ug/l  
RT: 6.957 min Scan# 1747  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 41 Resp: 77396  
Ion Ratio Lower Upper  
41 100  
69 86.6 79.8 119.6  
39 52.2 47.9 71.9





#49

1,4-Dioxane

Concen: 414.265 ug/l

RT: 6.964 min Scan# 1

Delta R.T. -0.035 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBSD01

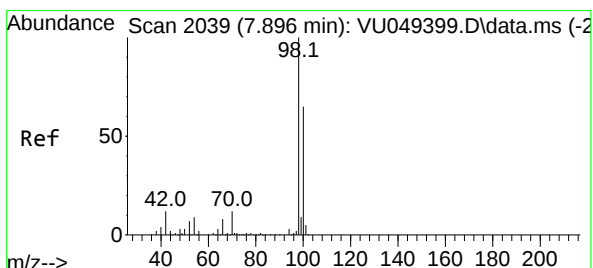
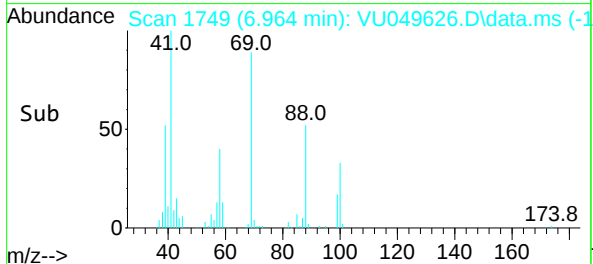
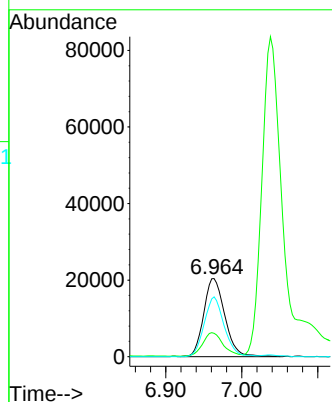
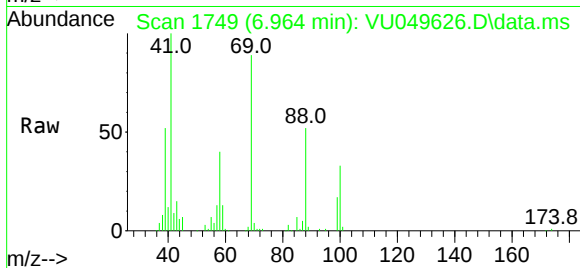
Tgt Ion: 88 Resp: 39438

Ion Ratio Lower Upper

88 100

43 29.0 0.0 0.0#

58 72.2 15.4 23.0#



#50

Toluene-d8

Concen: 50.075 ug/l

RT: 7.896 min Scan# 2039

Delta R.T. 0.000 min

Lab File: VU049626.D

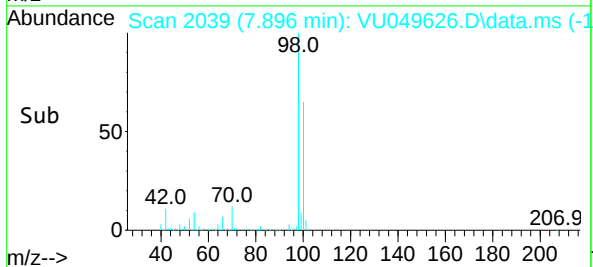
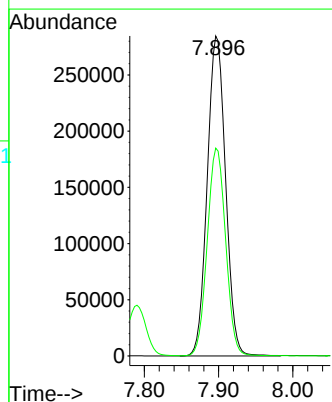
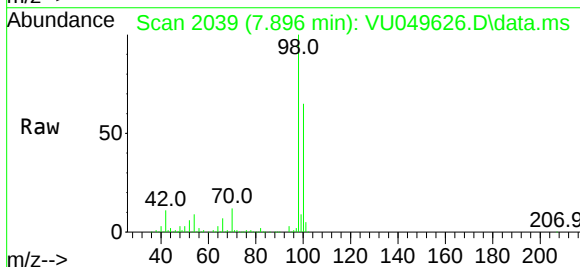
Acq: 05 Jul 2022 18:22

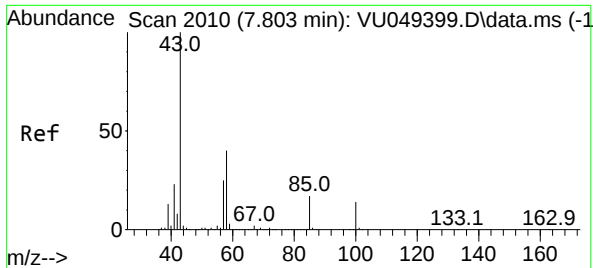
Tgt Ion: 98 Resp: 487790

Ion Ratio Lower Upper

98 100

100 65.0 51.7 77.5

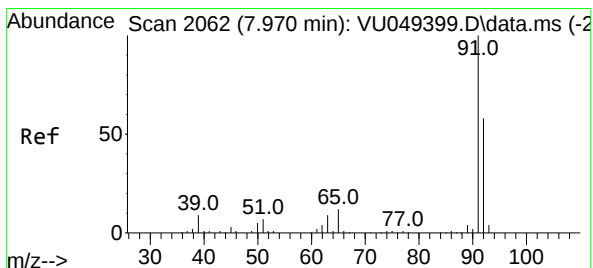
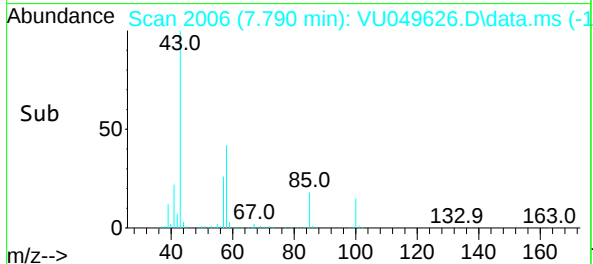
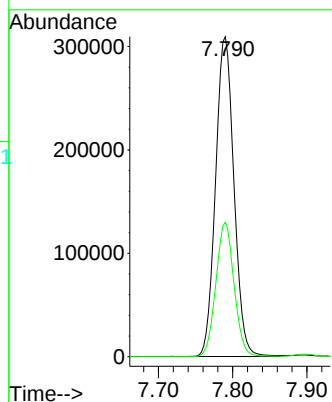
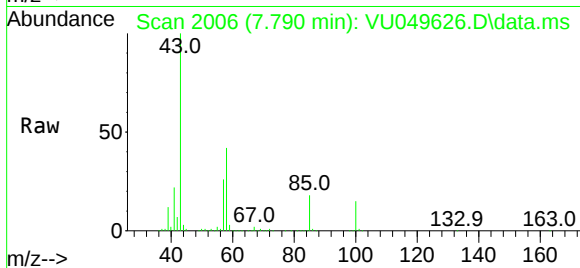




#51  
4-Methyl-2-Pentanone  
Concen: 100.317 ug/l  
RT: 7.790 min Scan# 2010  
Delta R.T. -0.013 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

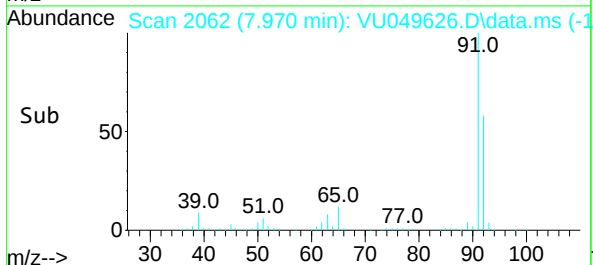
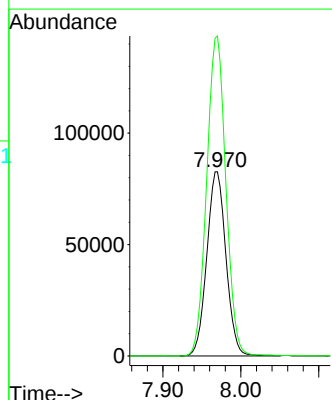
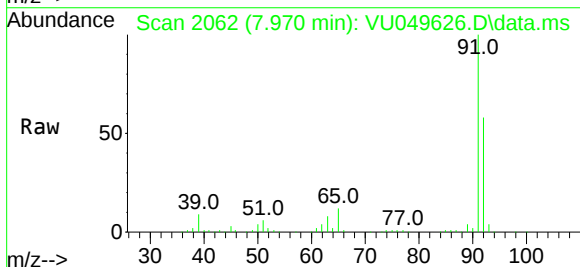
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

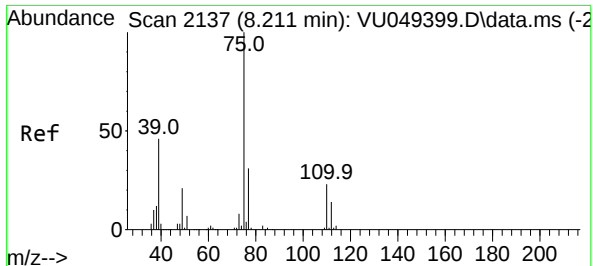
Tgt Ion: 43 Resp: 532345  
Ion Ratio Lower Upper  
43 100  
58 41.7 34.7 52.1



#52  
Toluene  
Concen: 19.888 ug/l  
RT: 7.970 min Scan# 2062  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 92 Resp: 141331  
Ion Ratio Lower Upper  
92 100  
91 173.8 138.2 207.4





#53

t-1,3-Dichloropropene

Concen: 19.773 ug/l

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

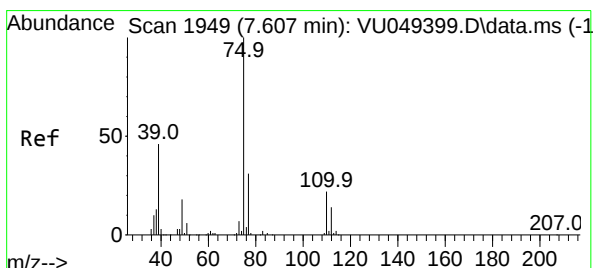
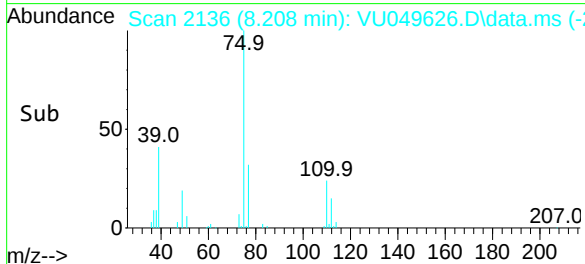
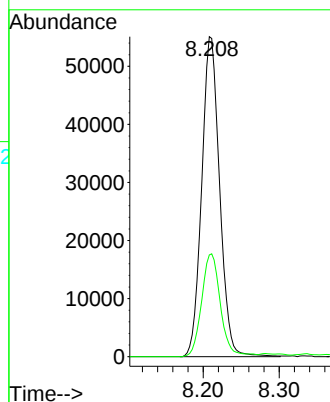
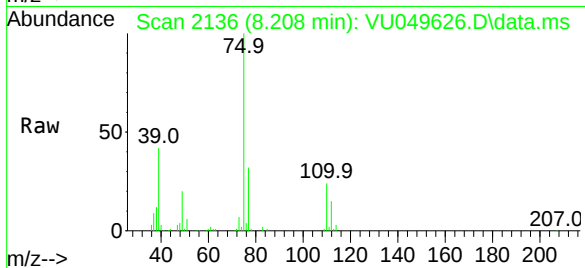
VU0705MBS01

Tgt Ion: 75 Resp: 90167

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 20.903 ug/l

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

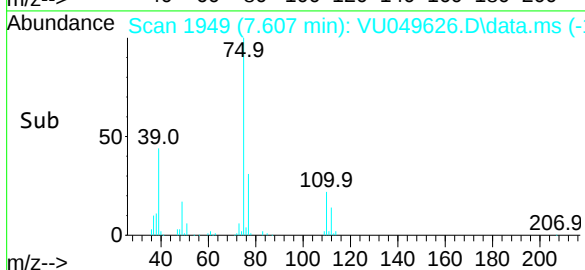
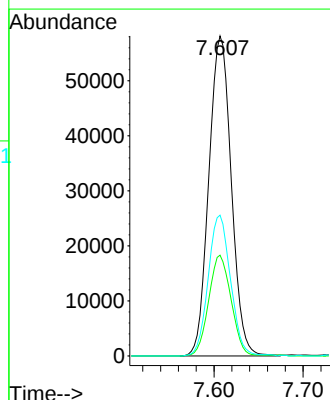
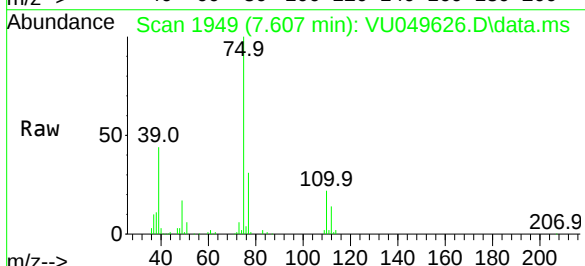
Tgt Ion: 75 Resp: 101778

Ion Ratio Lower Upper

75 100

77 31.5 25.7 38.5

39 44.0 33.0 49.6

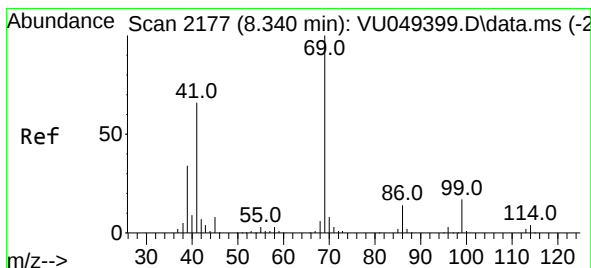
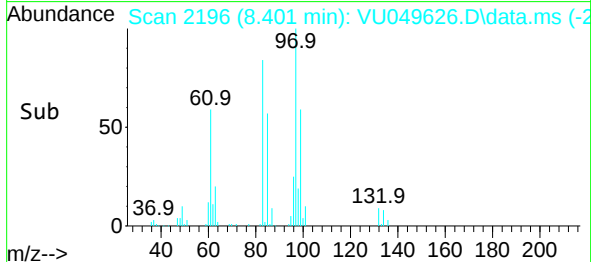
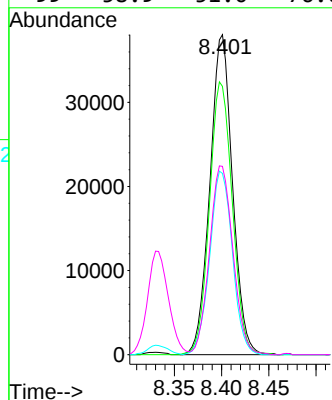
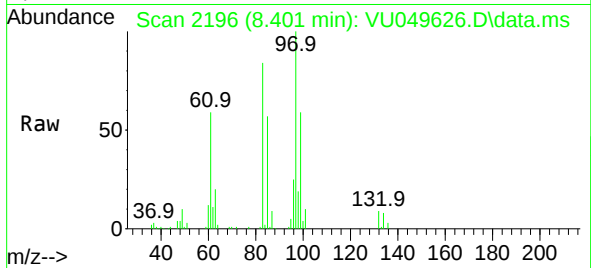




#55  
1,1,2-Trichloroethane  
Concen: 21.562 ug/l  
RT: 8.401 min Scan# 2196  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

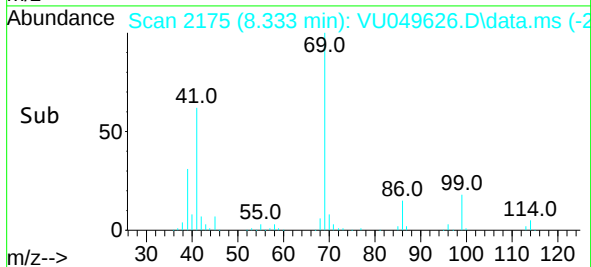
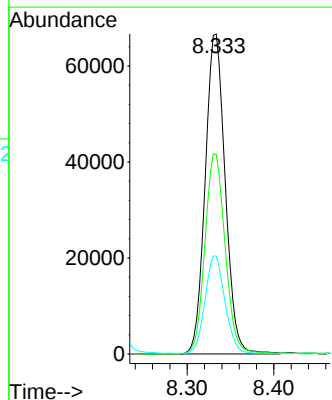
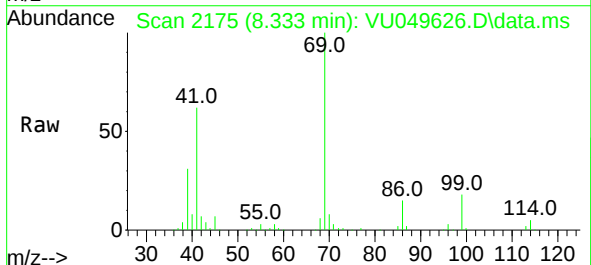
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

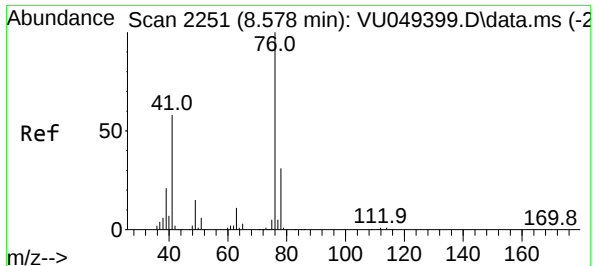
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 63352 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 83.8     | 70.2 105.4  |
| 85 56.7     | 44.6 66.8   |
| 99 58.9     | 51.0 76.6   |



#56  
Ethyl methacrylate  
Concen: 21.774 ug/l  
RT: 8.333 min Scan# 2175  
Delta R.T. -0.006 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 107000 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 63.4     | 45.4 68.0    |
| 39 30.5     | 25.7 38.5    |





#57

1,3-Dichloropropane

Concen: 20.831 ug/l

RT: 8.575 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

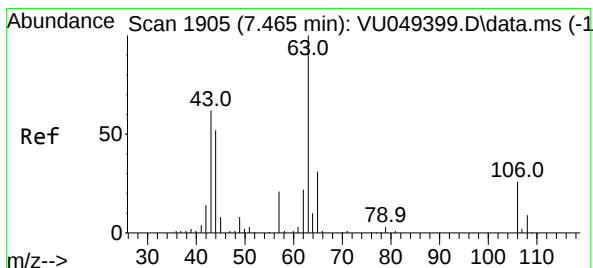
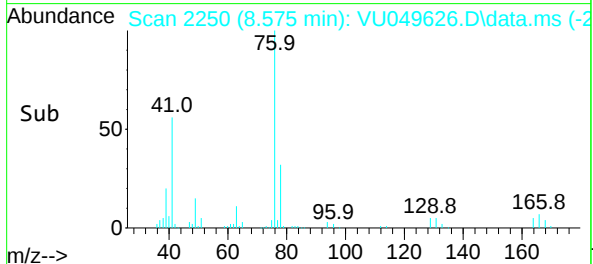
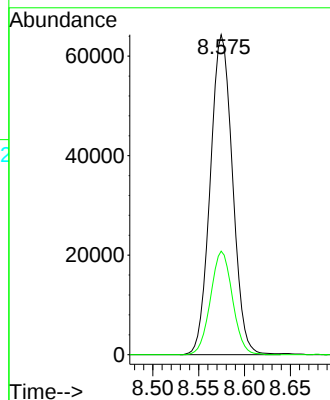
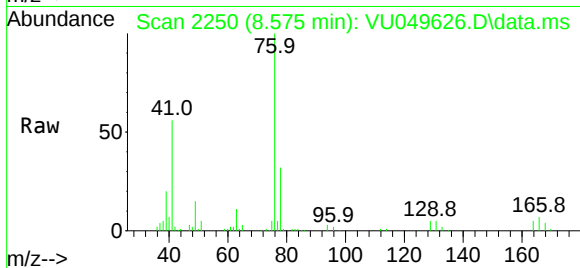
VU0705MBS01

Tgt Ion: 76 Resp: 108568

Ion Ratio Lower Upper

76 100

78 31.9 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 183.094 ug/l

RT: 7.462 min Scan# 1904

Delta R.T. -0.003 min

Lab File: VU049626.D

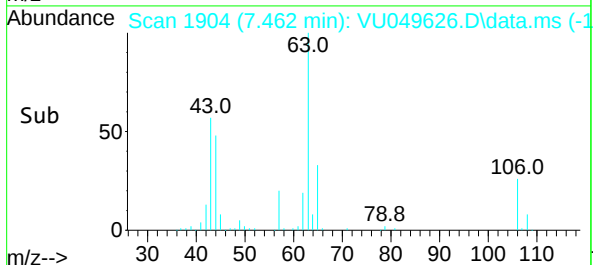
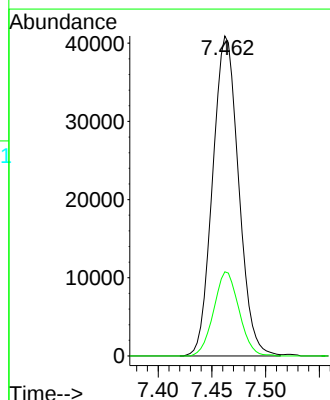
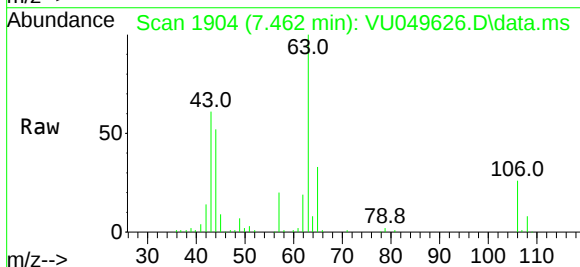
Acq: 05 Jul 2022 18:22

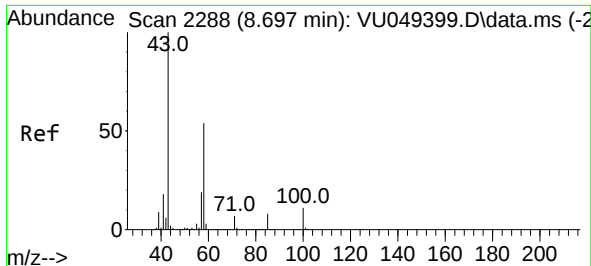
Tgt Ion: 63 Resp: 68842

Ion Ratio Lower Upper

63 100

106 25.6 23.1 34.7

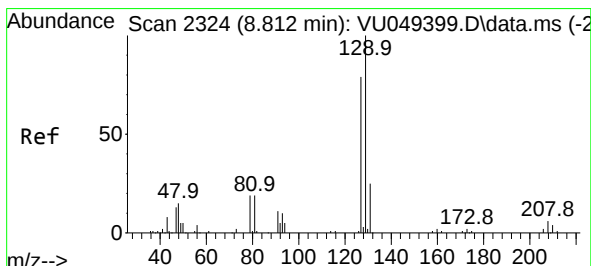
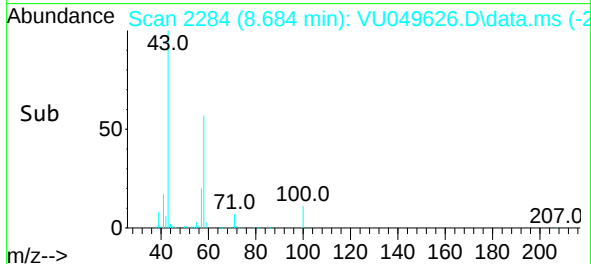
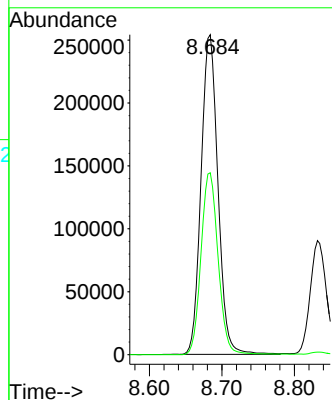
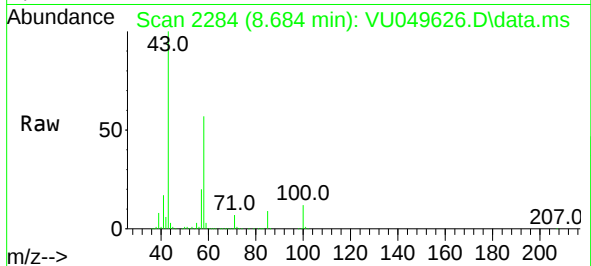




#59  
2-Hexanone  
Concen: 98.326 ug/l  
RT: 8.684 min Scan# 21  
Delta R.T. -0.013 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

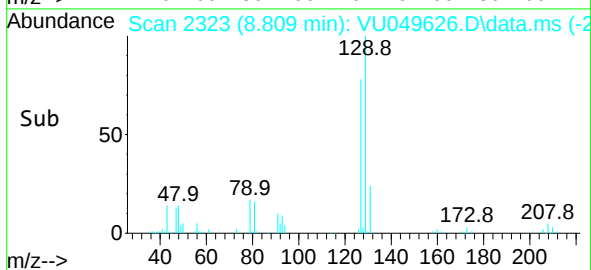
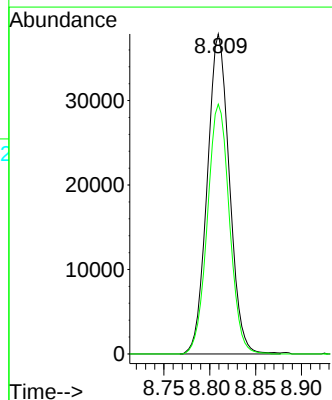
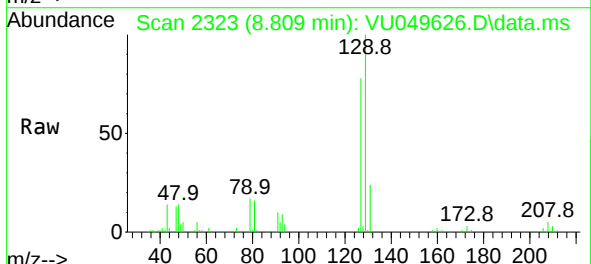
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

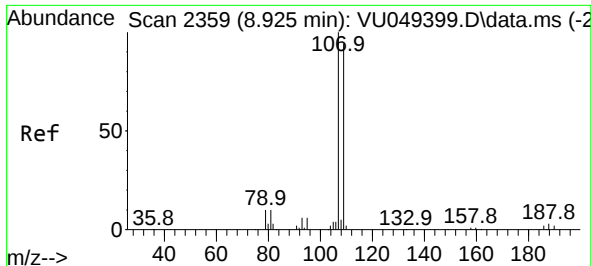
Tgt Ion: 43 Resp: 410320  
Ion Ratio Lower Upper  
43 100  
58 57.9 30.3 90.8



#60  
Dibromochloromethane  
Concen: 20.832 ug/l  
RT: 8.809 min Scan# 2323  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 129 Resp: 63648  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.6 116.0

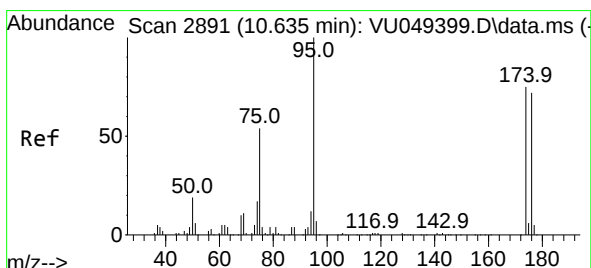
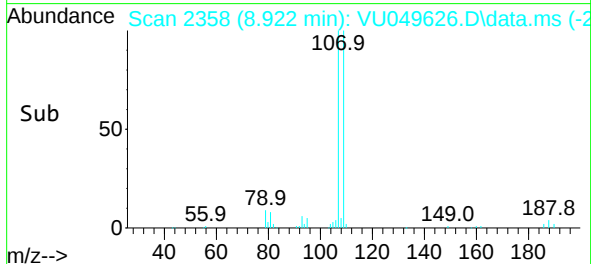
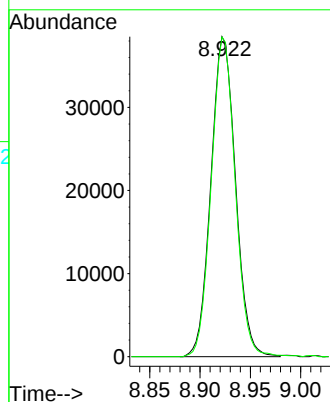
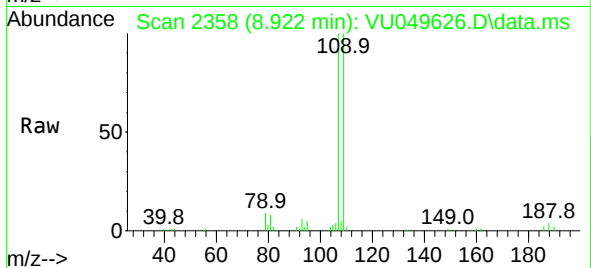




#61  
1,2-Dibromoethane  
Concen: 20.490 ug/l  
RT: 8.922 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

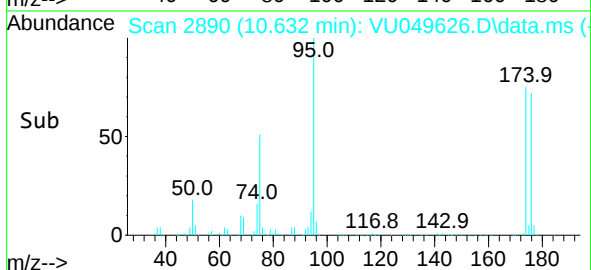
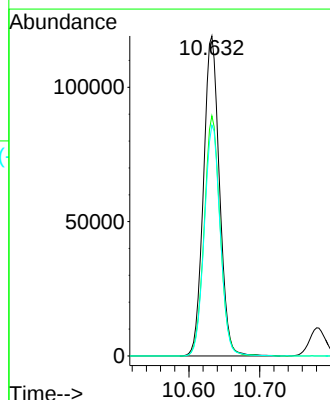
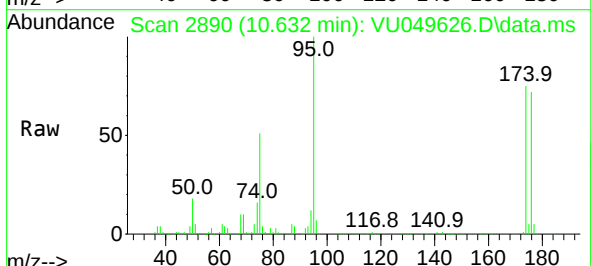
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

Tgt Ion:107 Resp: 65606  
Ion Ratio Lower Upper  
107 100  
109 97.2 75.1 112.7



#62  
4-Bromofluorobenzene  
Concen: 50.012 ug/l  
RT: 10.632 min Scan# 2890  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 95 Resp: 186623  
Ion Ratio Lower Upper  
95 100  
174 74.4 0.0 182.0  
176 72.1 0.0 177.8

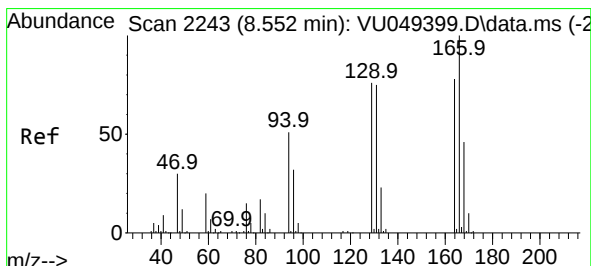
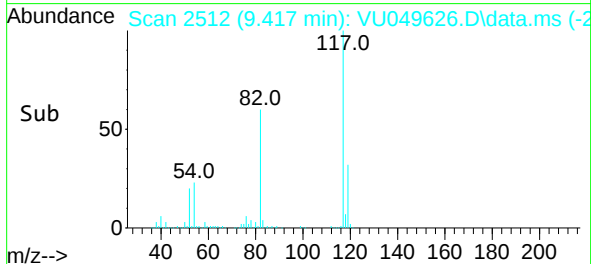
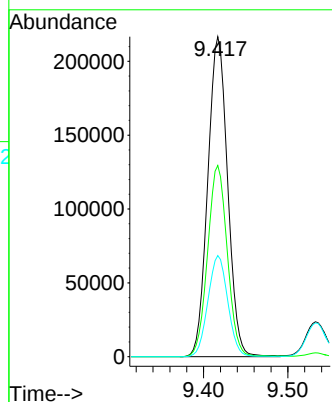
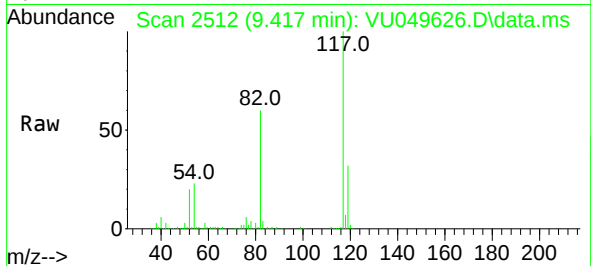




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

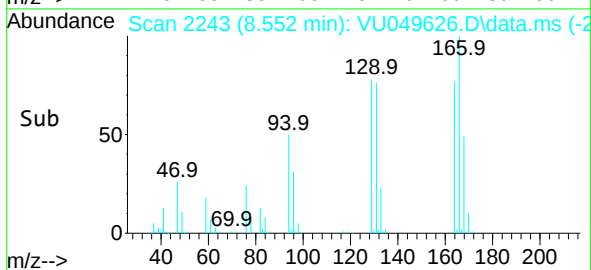
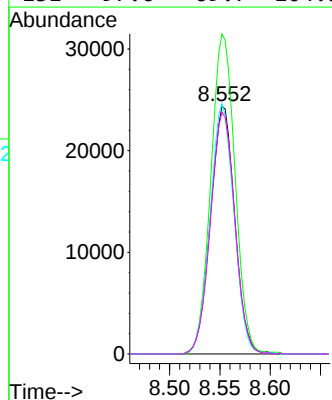
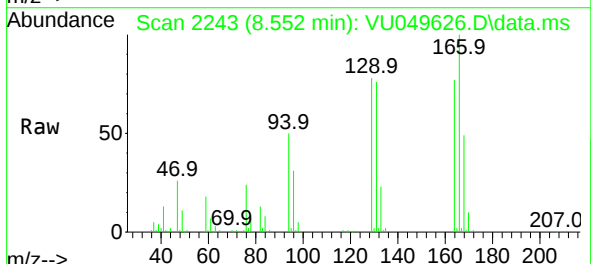
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBSD01

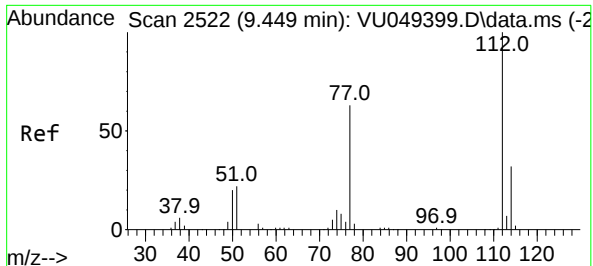
Tgt Ion:117 Resp: 355495  
Ion Ratio Lower Upper  
117 100  
82 59.7 41.7 62.5  
119 31.6 25.7 38.5



#64  
Tetrachloroethene  
Concen: 17.889 ug/l  
RT: 8.552 min Scan# 2243  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion:164 Resp: 40788  
Ion Ratio Lower Upper  
164 100  
166 129.2 100.0 150.0  
129 101.1 72.0 108.0  
131 97.6 69.7 104.5

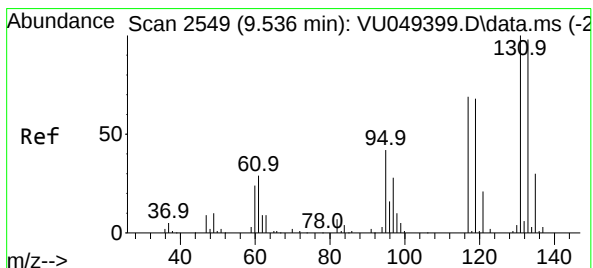
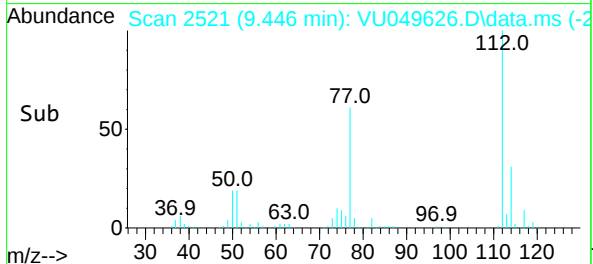
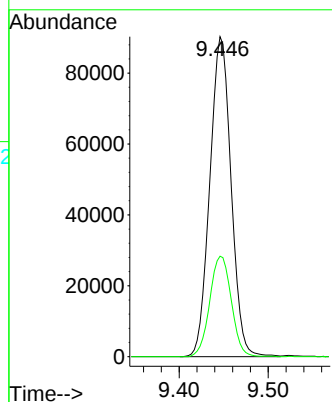
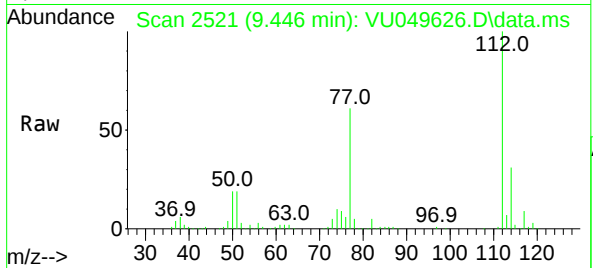




#65  
Chlorobenzene  
Concen: 20.563 ug/l  
RT: 9.446 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

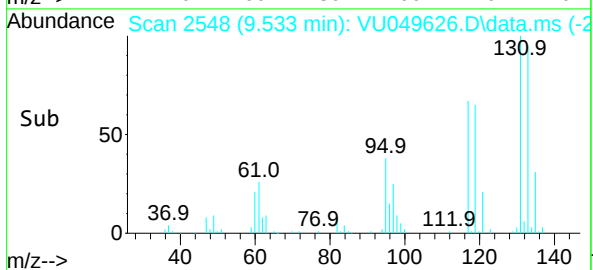
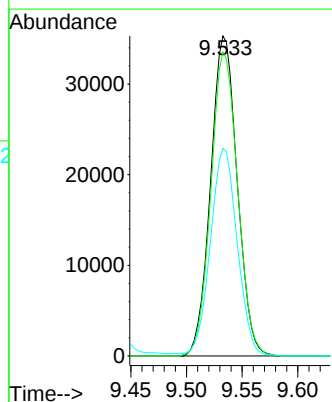
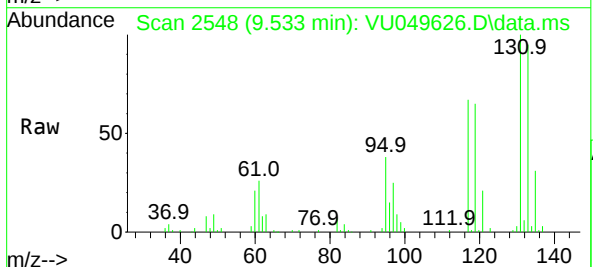
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

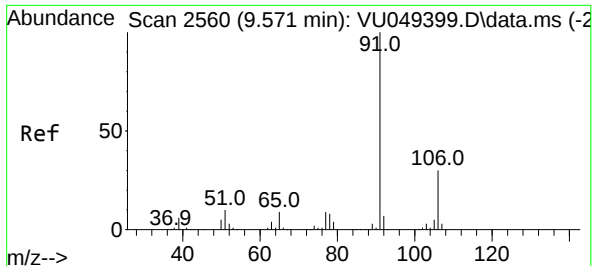
Tgt Ion:112 Resp: 149446  
Ion Ratio Lower Upper  
112 100  
114 31.4 24.9 37.3



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.360 ug/l  
RT: 9.533 min Scan# 2548  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion:131 Resp: 58561  
Ion Ratio Lower Upper  
131 100  
133 95.6 48.4 145.0  
119 65.6 33.9 101.6





#67

Ethyl Benzene

Concen: 19.629 ug/l

RT: 9.568 min Scan# 2559

Delta R.T. -0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

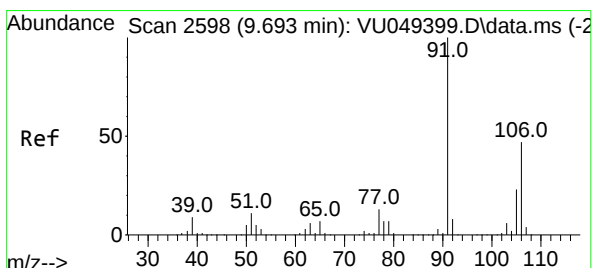
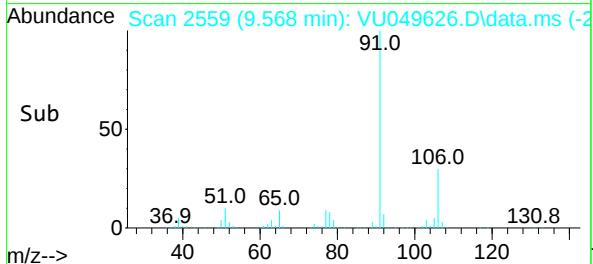
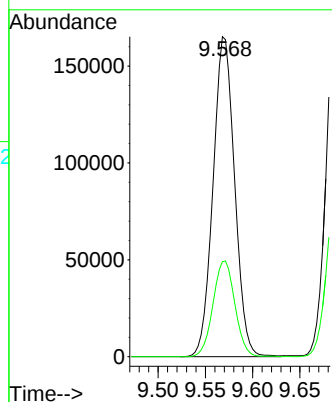
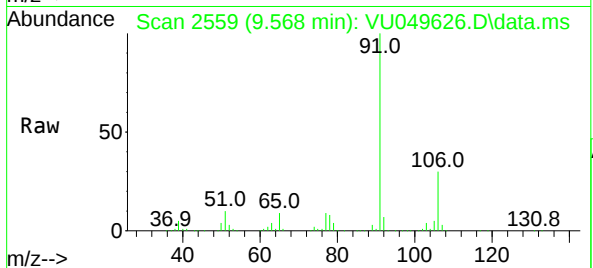
VU0705MBS01

Tgt Ion: 91 Resp: 261896

Ion Ratio Lower Upper

91 100

106 29.7 25.6 38.4



#68

m/p-Xylenes

Concen: 38.789 ug/l

RT: 9.693 min Scan# 2598

Delta R.T. 0.000 min

Lab File: VU049626.D

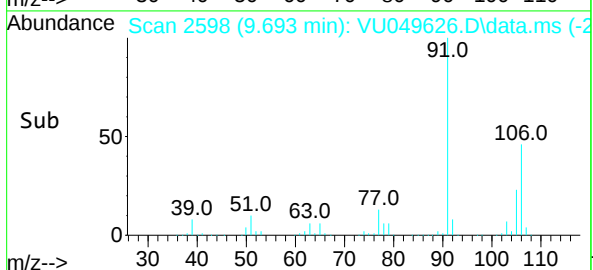
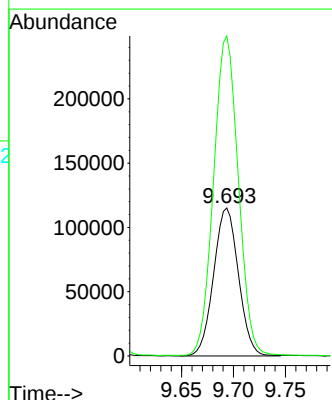
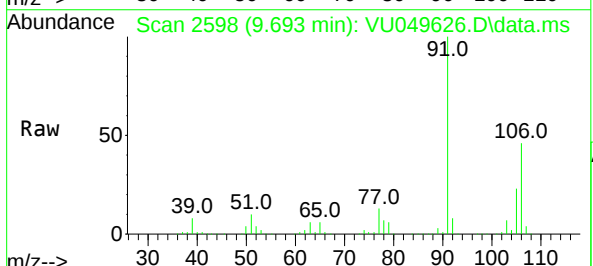
Acq: 05 Jul 2022 18:22

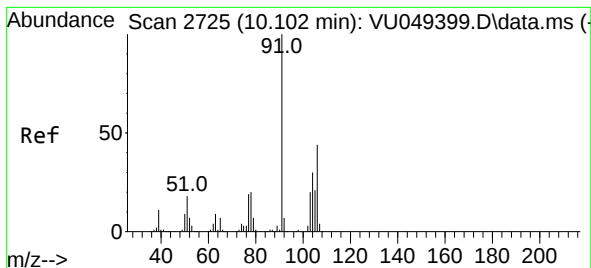
Tgt Ion: 106 Resp: 191490

Ion Ratio Lower Upper

106 100

91 214.5 157.2 235.8





#69

o-Xylene

Concen: 20.509 ug/l

RT: 10.099 min Scan# 2724

Delta R.T. -0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

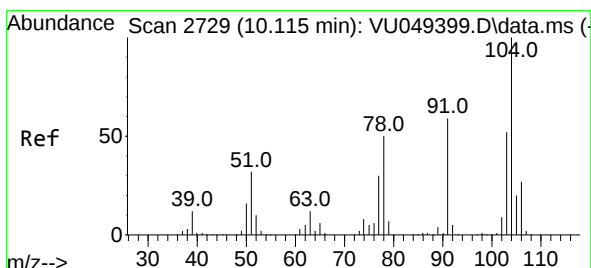
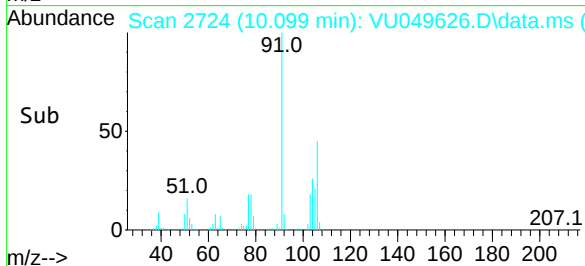
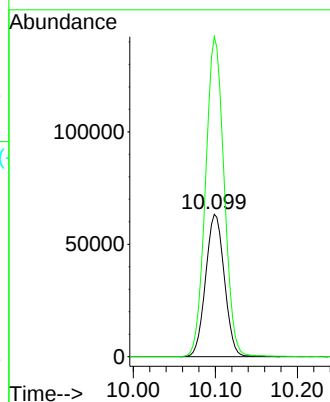
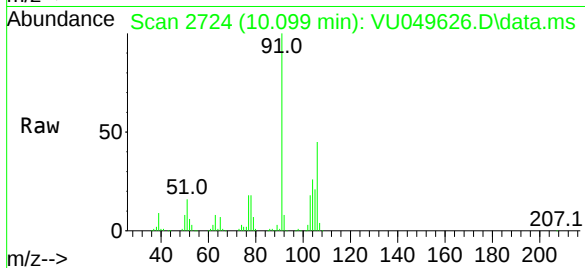
VU0705MBS01

Tgt Ion:106 Resp: 100515

Ion Ratio Lower Upper

106 100

91 222.8 103.5 310.5



#70

Styrene

Concen: 20.697 ug/l

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

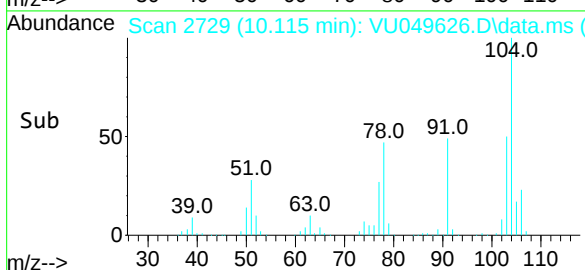
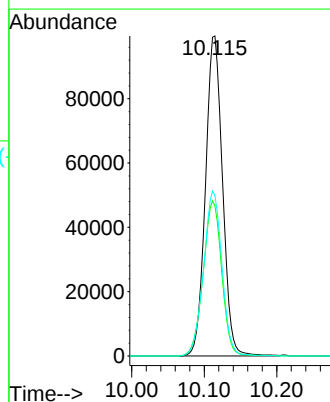
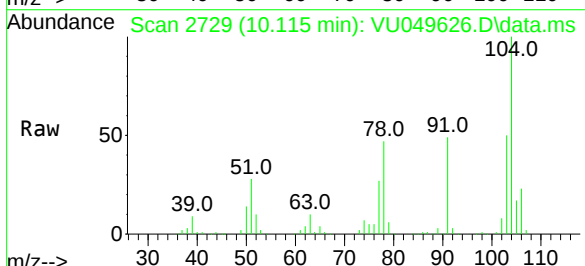
Tgt Ion:104 Resp: 162981

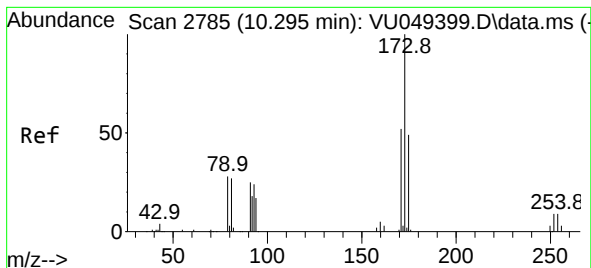
Ion Ratio Lower Upper

104 100

78 52.5 38.0 57.0

103 55.4 43.9 65.9





#71

Bromoform

Concen: 20.819 ug/l

RT: 10.288 min Scan# 21

Delta R.T. -0.006 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBSD01

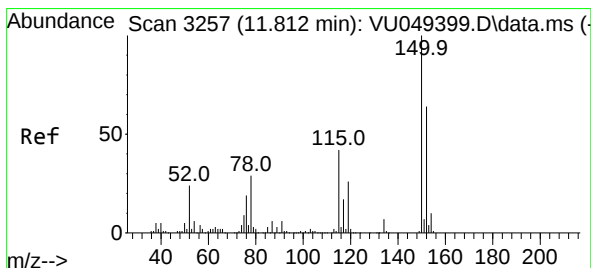
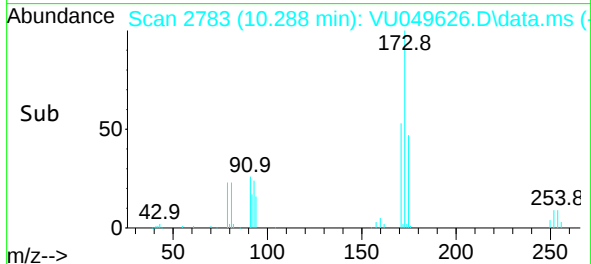
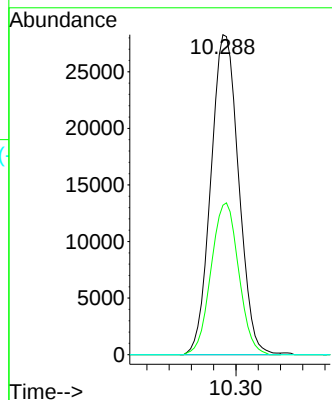
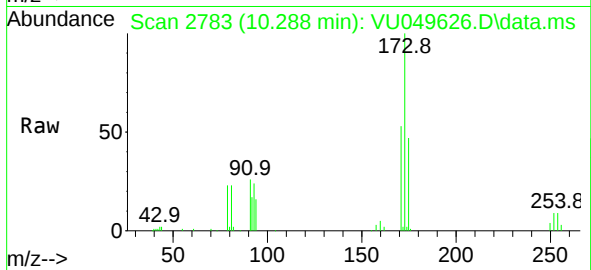
Tgt Ion:173 Resp: 48954

Ion Ratio Lower Upper

173 100

175 47.1 24.1 72.2

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.812 min Scan# 3257

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

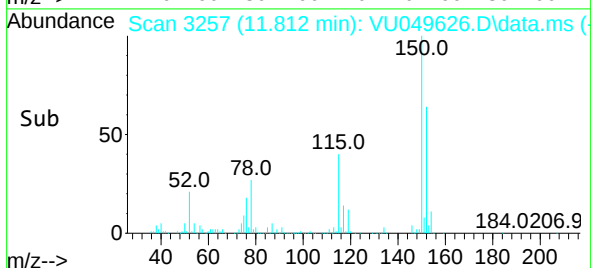
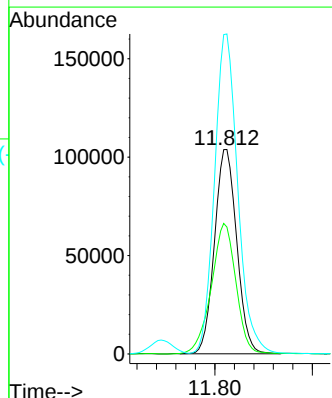
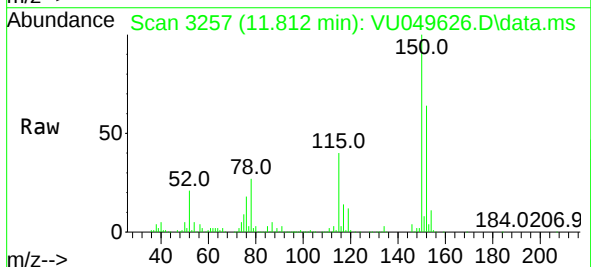
Tgt Ion:152 Resp: 164704

Ion Ratio Lower Upper

152 100

115 71.0 37.0 110.9

150 163.8 0.0 342.2

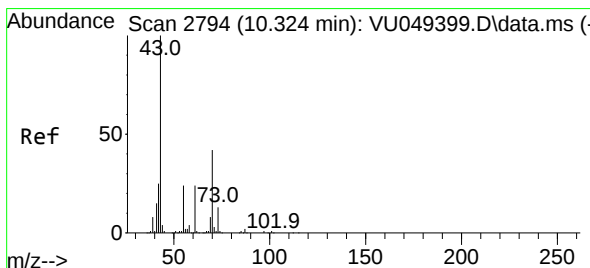
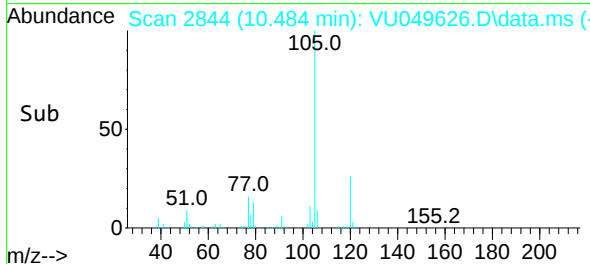
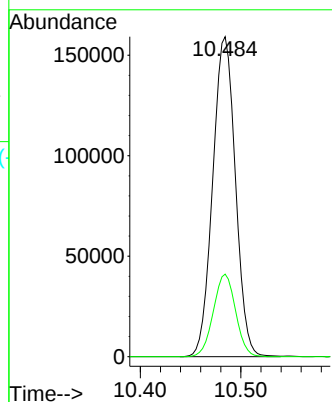
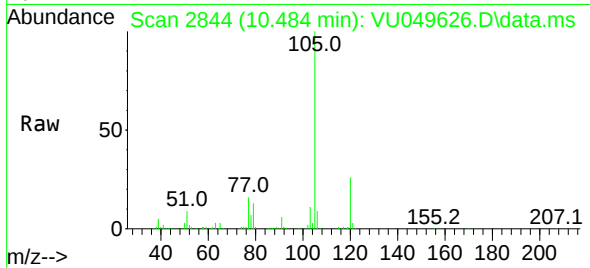




#73  
Isopropylbenzene  
Concen: 21.283 ug/l  
RT: 10.484 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

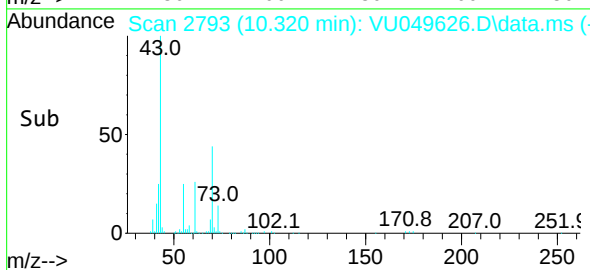
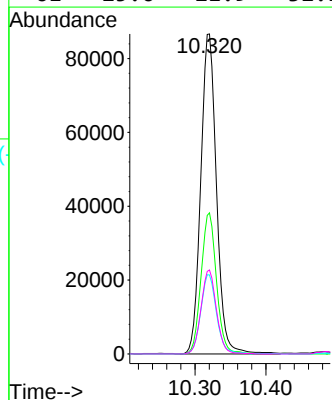
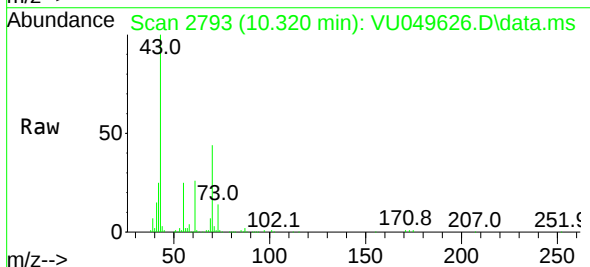
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBSD01

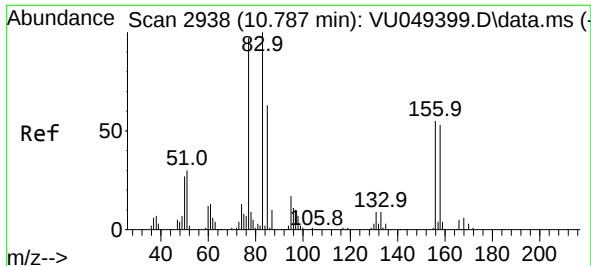
Tgt Ion:105 Resp: 249708  
Ion Ratio Lower Upper  
105 100  
120 25.3 13.8 41.4



#74  
N-ethyl acetate  
Concen: 21.497 ug/l  
RT: 10.320 min Scan# 2793  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 43 Resp: 133489  
Ion Ratio Lower Upper  
43 100  
70 43.2 38.7 58.1  
55 24.7 21.8 32.8  
61 25.6 21.9 32.9

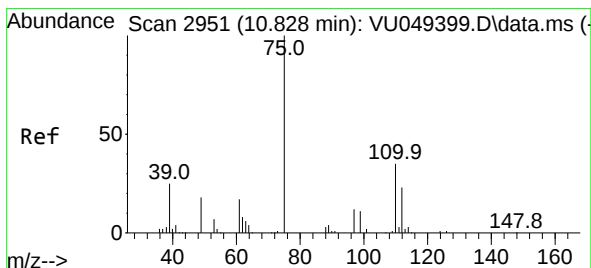
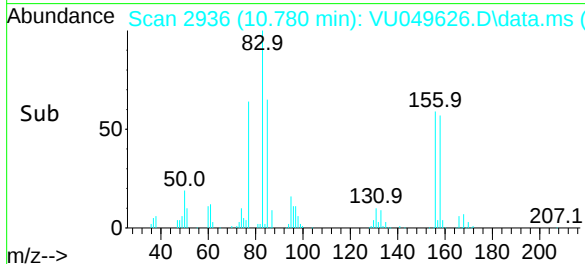
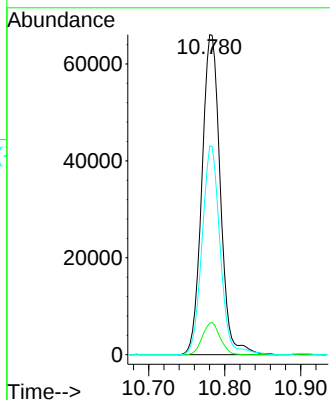
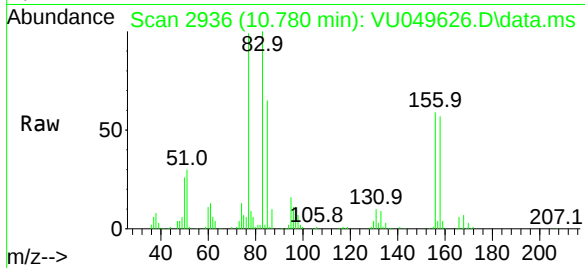




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 22.279 ug/l  
 RT: 10.780 min Scan# 2938  
 Delta R.T. -0.006 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

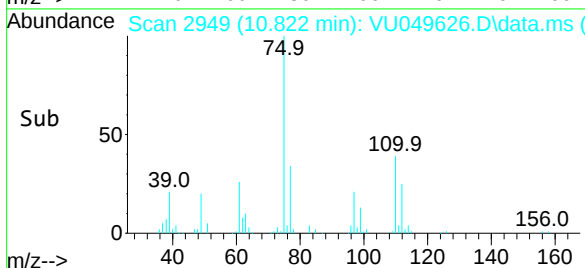
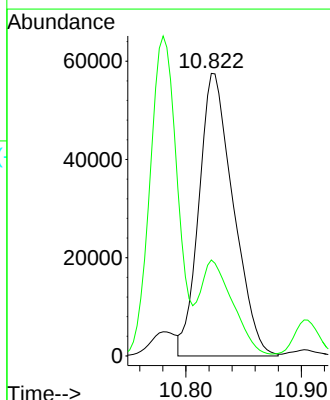
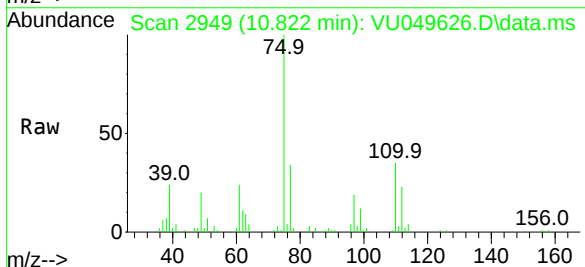
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0705MBS01

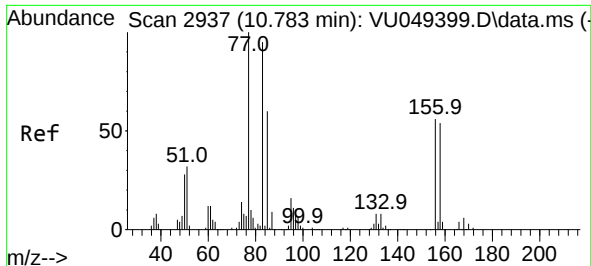
Tgt Ion: 83 Resp: 110730  
 Ion Ratio Lower Upper  
 83 100  
 131 9.6 5.1 15.4  
 85 64.1 32.2 96.6



#76  
 1,2,3-Trichloropropane  
 Concen: 21.315 ug/l  
 RT: 10.822 min Scan# 2949  
 Delta R.T. -0.006 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

Tgt Ion: 75 Resp: 119010  
 Ion Ratio Lower Upper  
 75 100  
 77 32.1 15.8 47.3

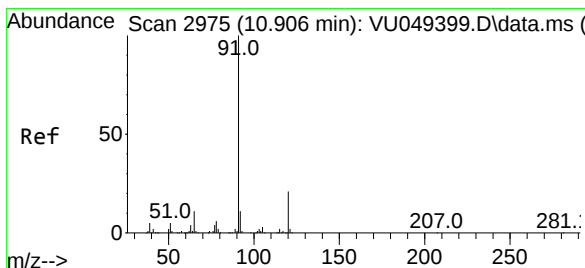
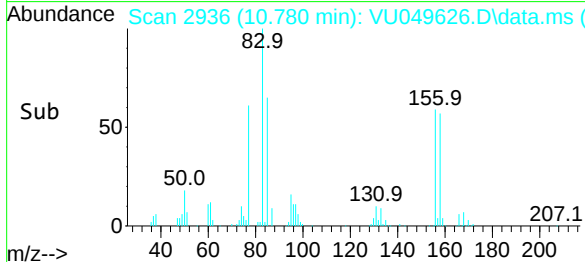
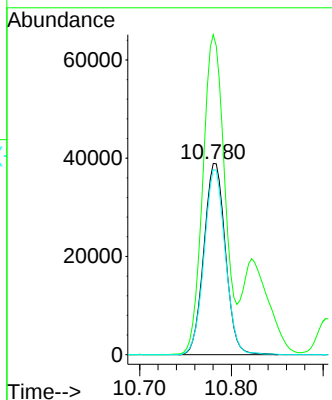
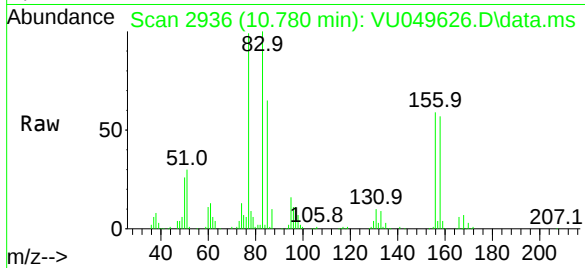




#77  
Bromobenzene  
Concen: 22.147 ug/l  
RT: 10.780 min Scan# 2936  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

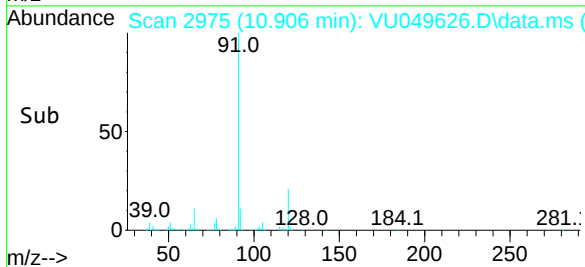
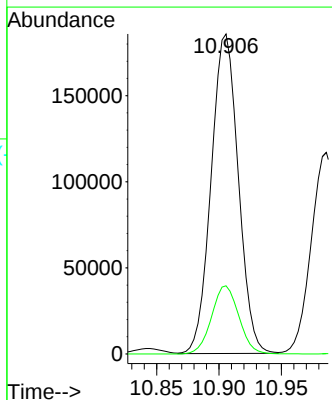
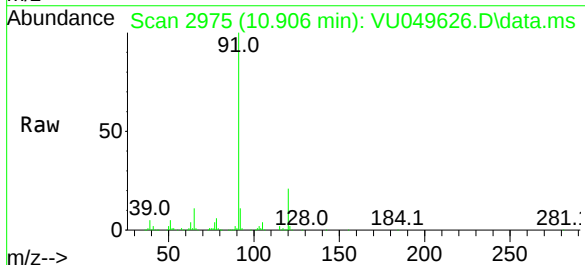
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

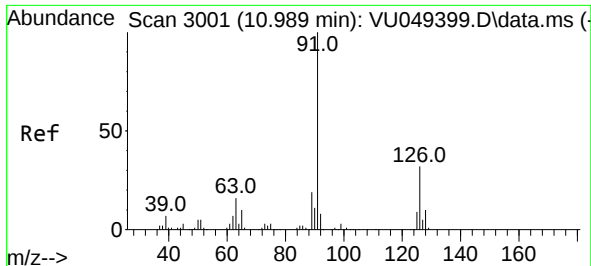
Tgt Ion:156 Resp: 63426  
Ion Ratio Lower Upper  
156 100  
77 169.9 71.9 215.6  
158 95.9 48.9 146.8



#78  
n-propylbenzene  
Concen: 19.774 ug/l  
RT: 10.906 min Scan# 2975  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 91 Resp: 281918  
Ion Ratio Lower Upper  
91 100  
120 21.4 11.9 35.5

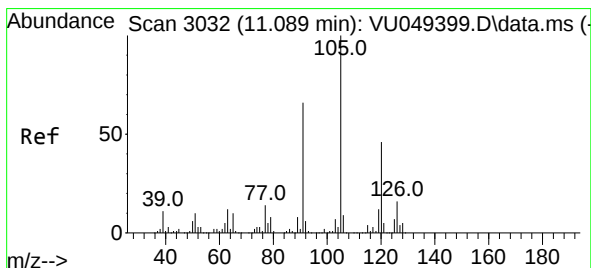
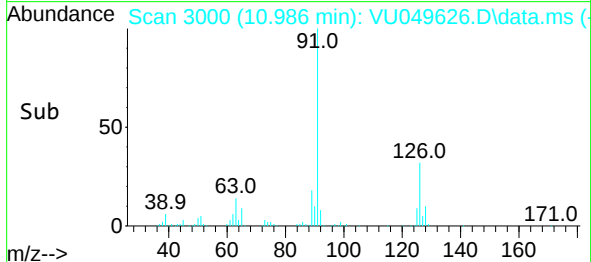
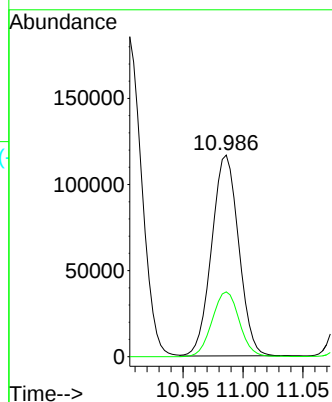
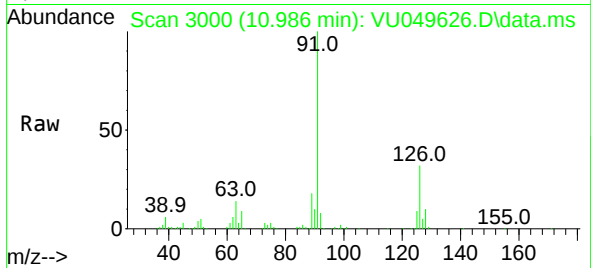




#79  
2-Chlorotoluene  
Concen: 20.790 ug/l  
RT: 10.986 min Scan# 3001  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

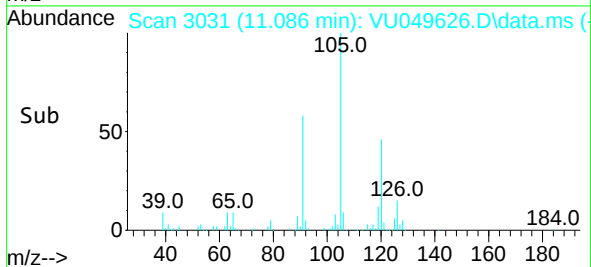
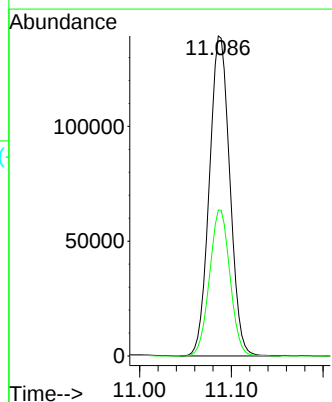
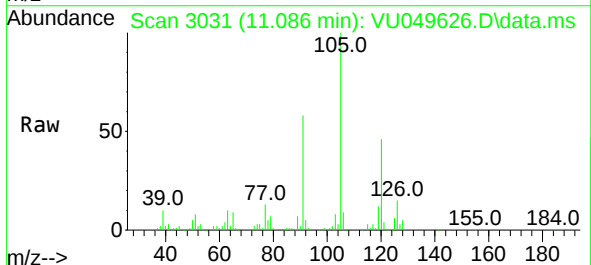
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

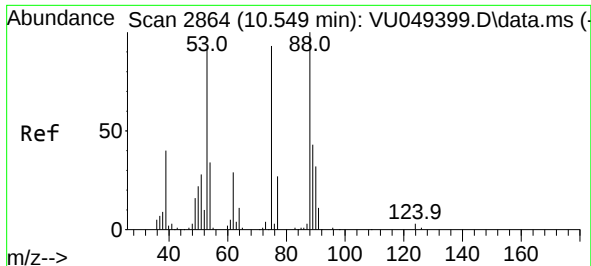
Tgt Ion: 91 Resp: 182615  
Ion Ratio Lower Upper  
91 100  
126 32.6 18.4 55.0



#80  
1,3,5-Trimethylbenzene  
Concen: 21.067 ug/l  
RT: 11.086 min Scan# 3031  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 105 Resp: 215785  
Ion Ratio Lower Upper  
105 100  
120 45.5 25.3 75.9

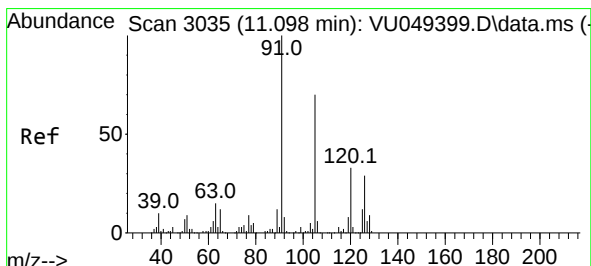
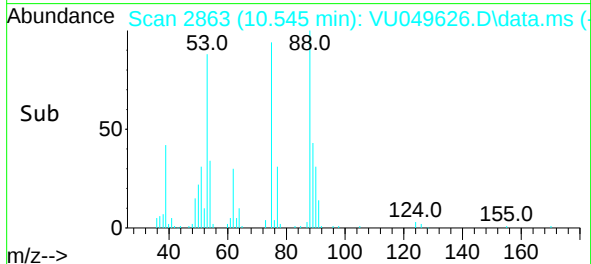
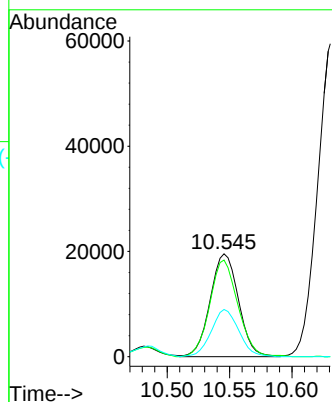
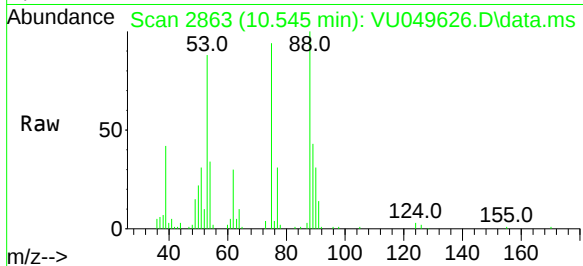




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.436 ug/l  
RT: 10.545 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

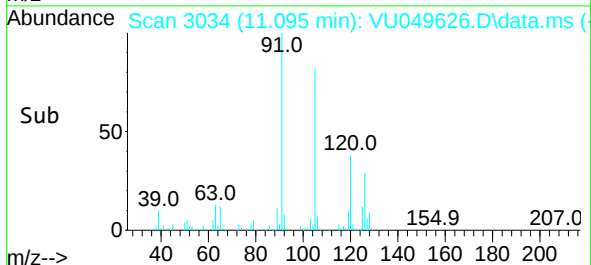
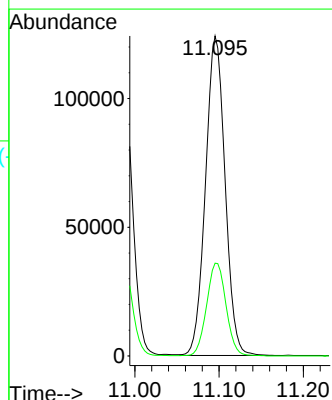
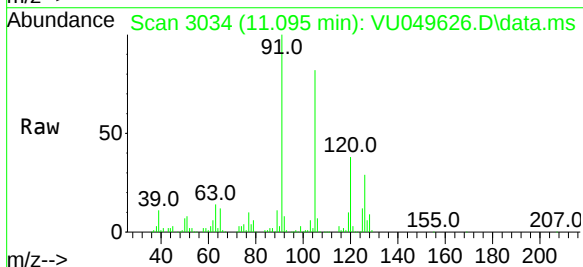
Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBSD01

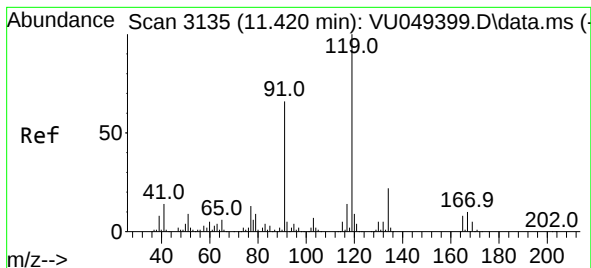
Tgt Ion: 75 Resp: 30897  
Ion Ratio Lower Upper  
75 100  
53 93.6 69.2 103.8  
89 44.7 37.0 55.6



#82  
4-Chlorotoluene  
Concen: 20.297 ug/l  
RT: 11.095 min Scan# 3034  
Delta R.T. -0.003 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion: 91 Resp: 200507  
Ion Ratio Lower Upper  
91 100  
126 28.9 16.1 48.2





#83

tert-Butylbenzene

Concen: 21.289 ug/l

RT: 11.420 min Scan# 3135

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBSD01

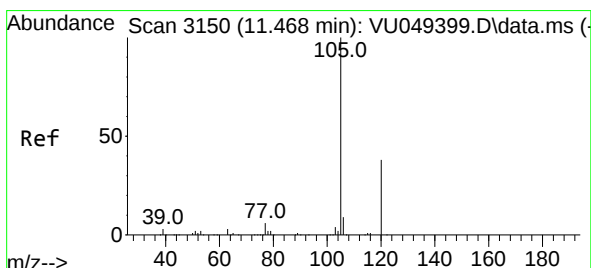
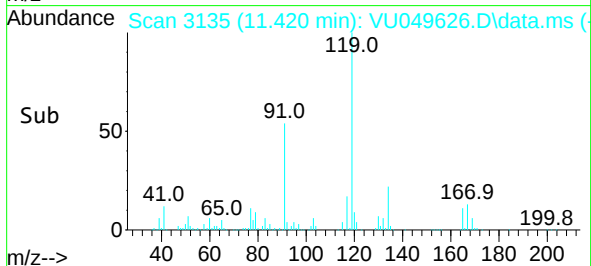
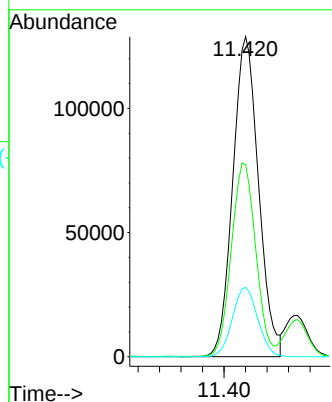
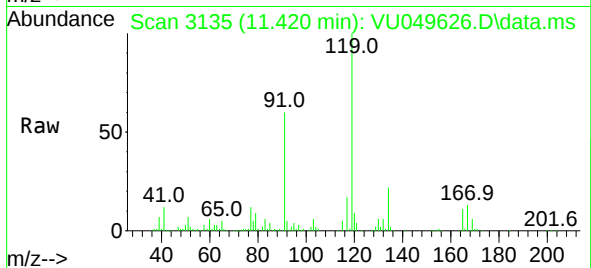
Tgt Ion:119 Resp: 214481

Ion Ratio Lower Upper

119 100

91 57.1 26.8 80.3

134 21.3 11.5 34.5



#84

1,2,4-Trimethylbenzene

Concen: 21.341 ug/l

RT: 11.465 min Scan# 3149

Delta R.T. -0.003 min

Lab File: VU049626.D

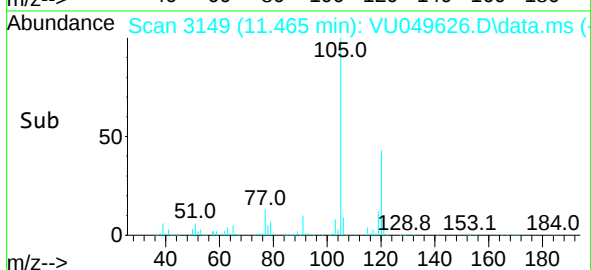
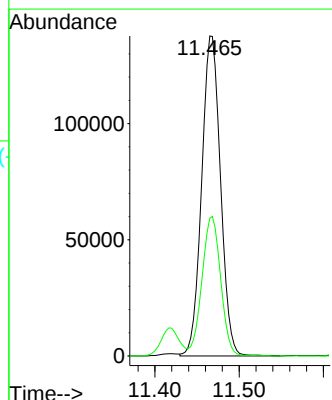
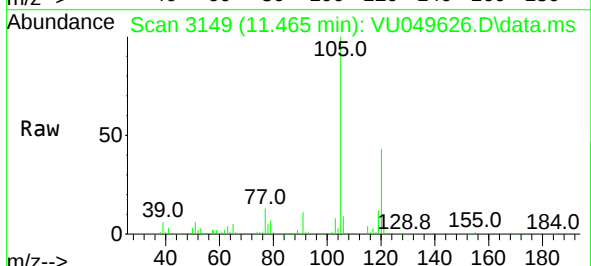
Acq: 05 Jul 2022 18:22

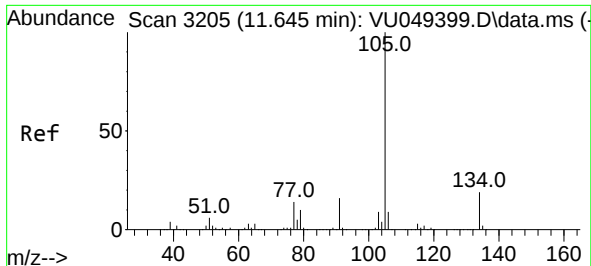
Tgt Ion:105 Resp: 214747

Ion Ratio Lower Upper

105 100

120 43.0 23.4 70.3

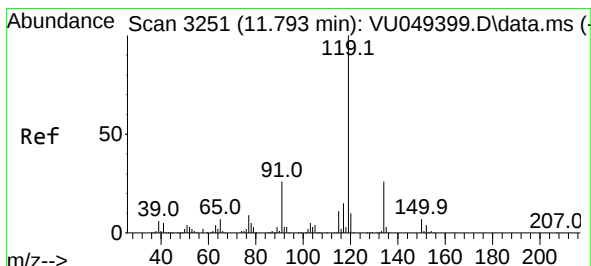
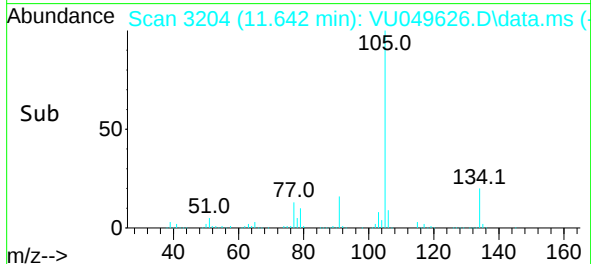
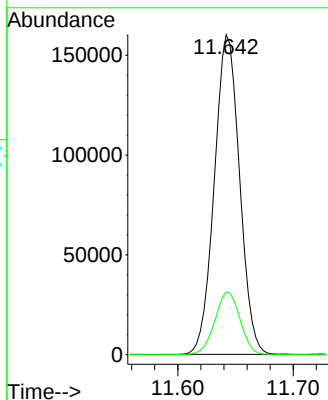
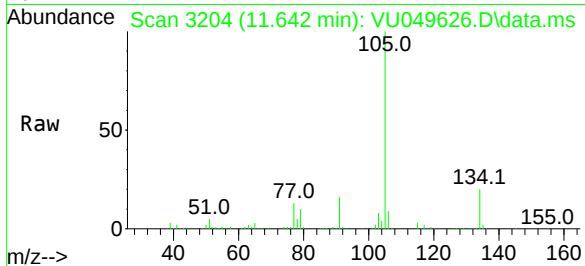




#85  
 sec-Butylbenzene  
 Concen: 19.166 ug/l  
 RT: 11.642 min Scan# 31  
 Delta R.T. -0.003 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

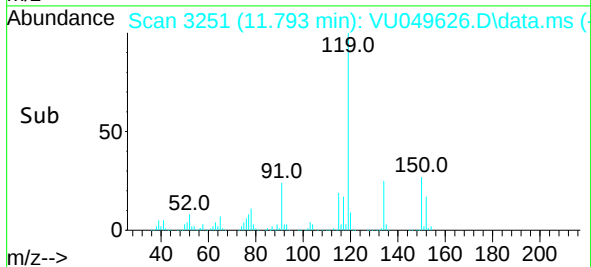
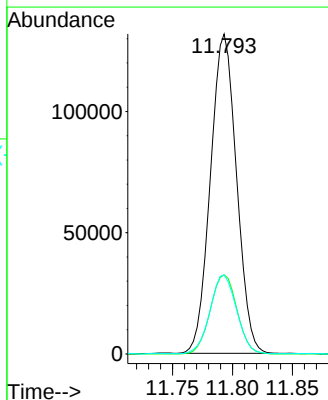
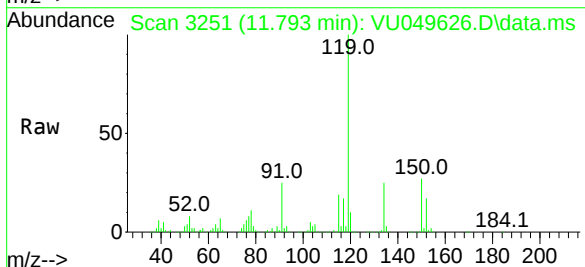
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 VU0705MBS01

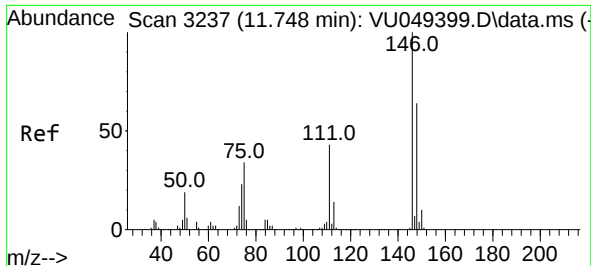
Tgt Ion:105 Resp: 242774  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 10.4 31.1



#86  
 p-Isopropyltoluene  
 Concen: 19.422 ug/l  
 RT: 11.793 min Scan# 3251  
 Delta R.T. 0.000 min  
 Lab File: VU049626.D  
 Acq: 05 Jul 2022 18:22

Tgt Ion:119 Resp: 198954  
 Ion Ratio Lower Upper  
 119 100  
 134 25.4 13.5 40.4  
 91 25.1 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.828 ug/l

RT: 11.745 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBS01

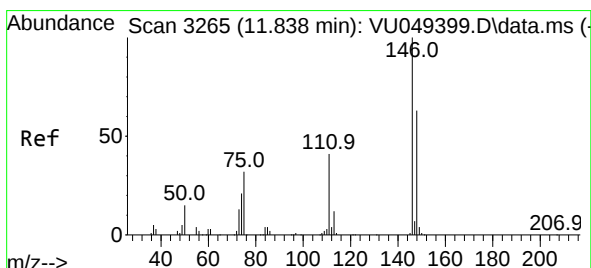
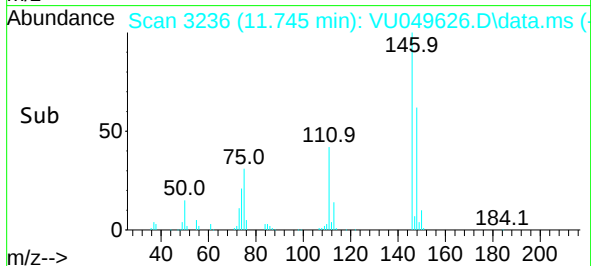
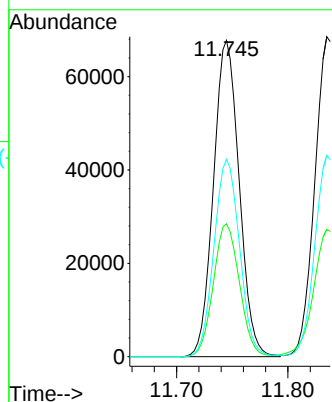
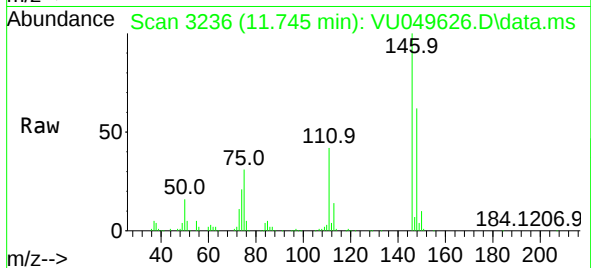
Tgt Ion:146 Resp: 108561

Ion Ratio Lower Upper

146 100

111 42.7 18.9 56.5

148 62.2 31.9 95.9



#88

1,4-Dichlorobenzene

Concen: 19.849 ug/l

RT: 11.835 min Scan# 3264

Delta R.T. -0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

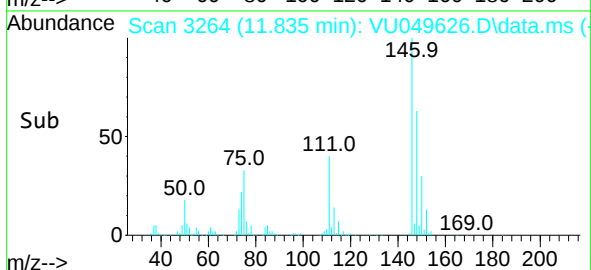
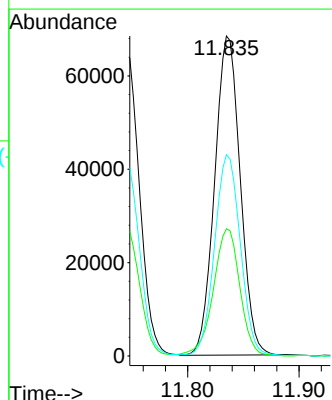
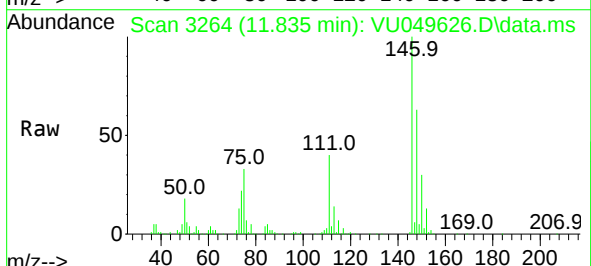
Tgt Ion:146 Resp: 109235

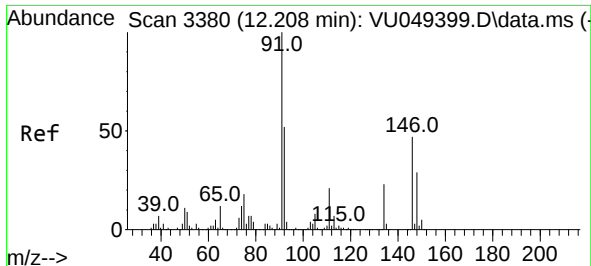
Ion Ratio Lower Upper

146 100

111 41.5 18.5 55.5

148 63.3 31.9 95.7





#89

n-Butylbenzene

Concen: 17.573 ug/l

RT: 12.208 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBS01

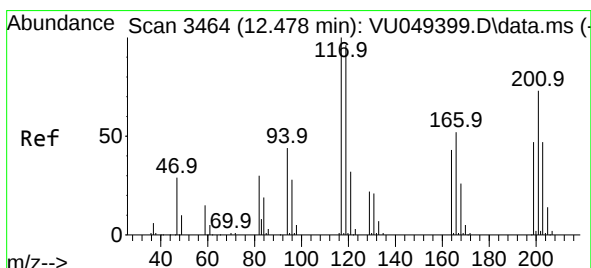
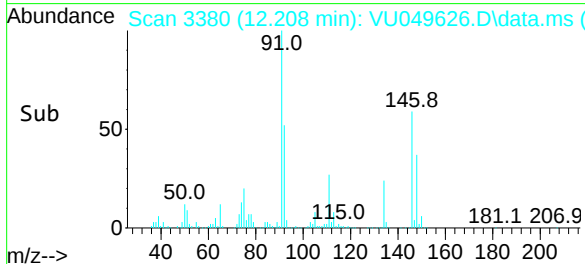
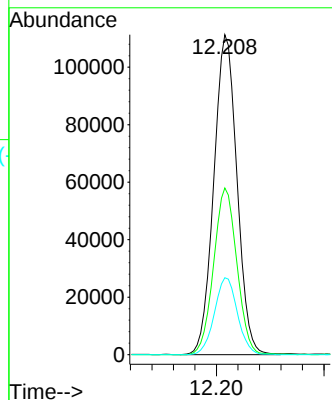
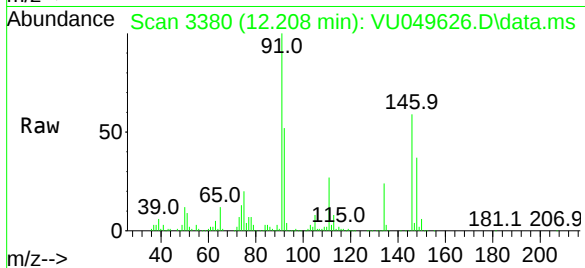
Tgt Ion: 91 Resp: 166631

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.6

134 23.9 13.5 40.4



#90

Hexachloroethane

Concen: 18.399 ug/l

RT: 12.475 min Scan# 3463

Delta R.T. -0.003 min

Lab File: VU049626.D

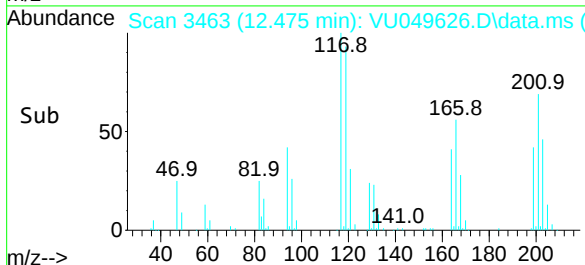
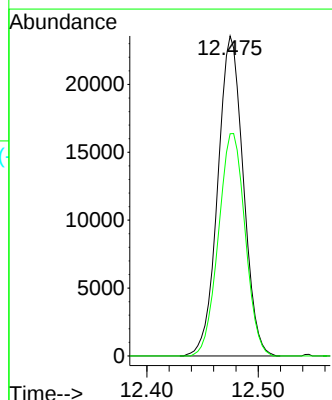
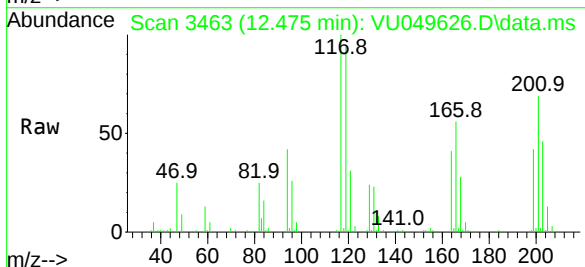
Acq: 05 Jul 2022 18:22

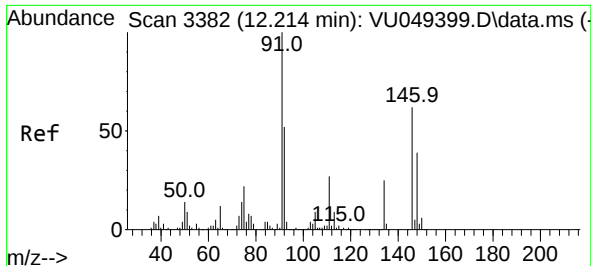
Tgt Ion: 117 Resp: 37539

Ion Ratio Lower Upper

117 100

201 72.6 44.6 134.0





#91

1,2-Dichlorobenzene

Concen: 20.938 ug/l

RT: 12.211 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBS01

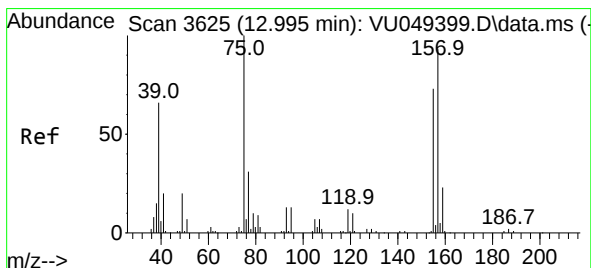
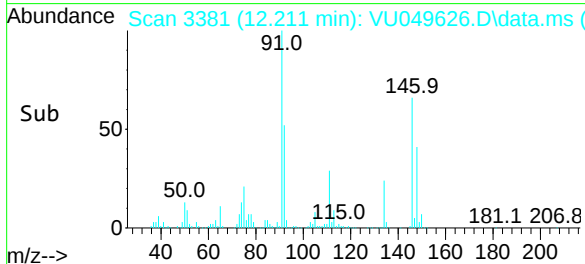
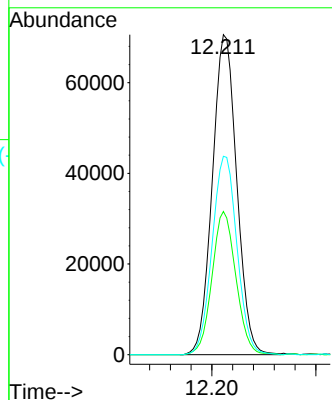
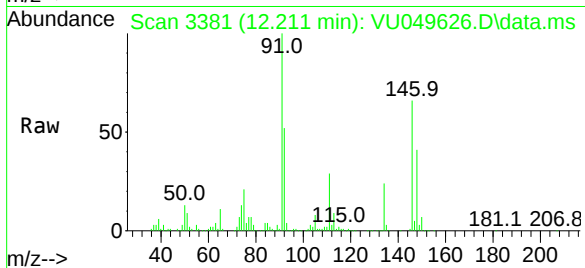
Tgt Ion:146 Resp: 115189

Ion Ratio Lower Upper

146 100

111 43.8 19.9 59.6

148 63.3 32.1 96.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.904 ug/l

RT: 12.996 min Scan# 3625

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

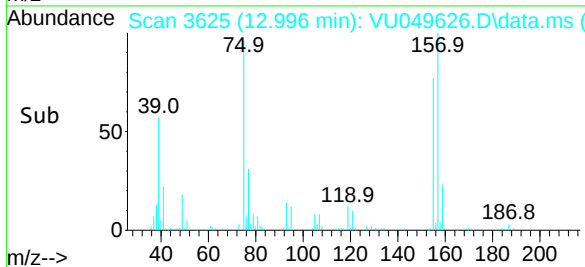
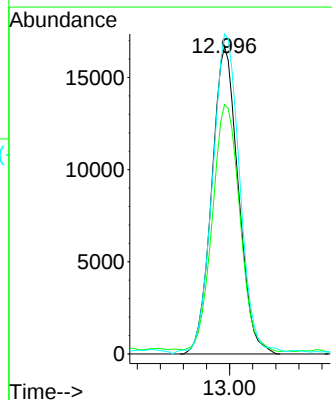
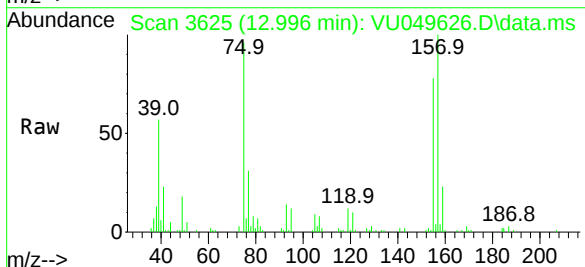
Tgt Ion: 75 Resp: 26640

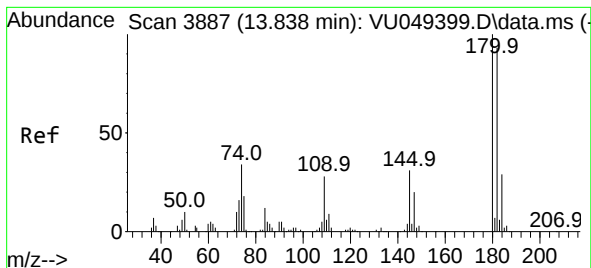
Ion Ratio Lower Upper

75 100

155 83.0 47.8 143.4

157 107.3 62.2 186.5





#93

1,2,4-Trichlorobenzene

Concen: 19.411 ug/l

RT: 13.838 min Scan# 3887

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

Instrument :

MSVOA\_U

ClientSampleId :

VU0705MBS01

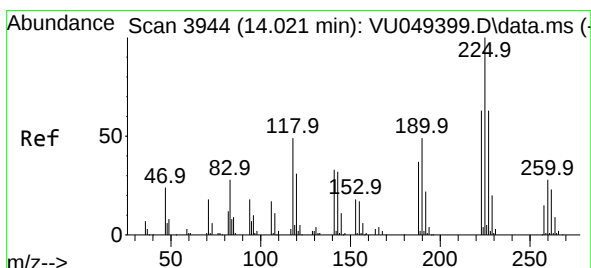
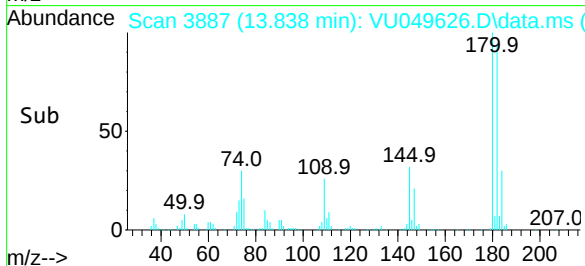
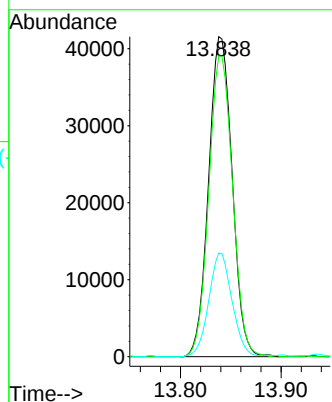
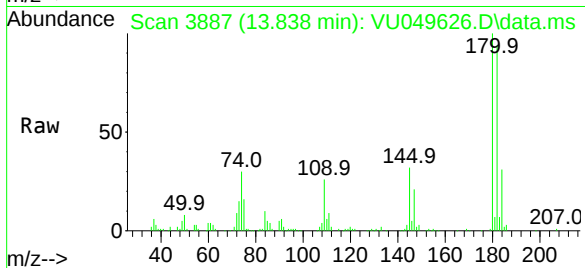
Tgt Ion:180 Resp: 67561

Ion Ratio Lower Upper

180 100

182 95.0 47.9 143.6

145 32.0 14.0 41.9



#94

Hexachlorobutadiene

Concen: 15.898 ug/l

RT: 14.021 min Scan# 3944

Delta R.T. 0.000 min

Lab File: VU049626.D

Acq: 05 Jul 2022 18:22

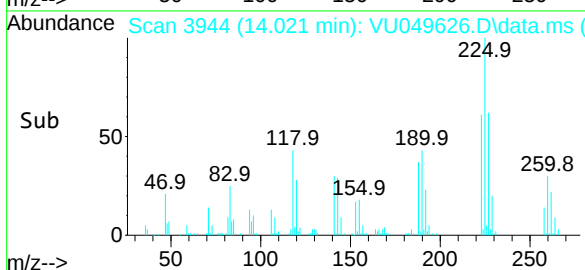
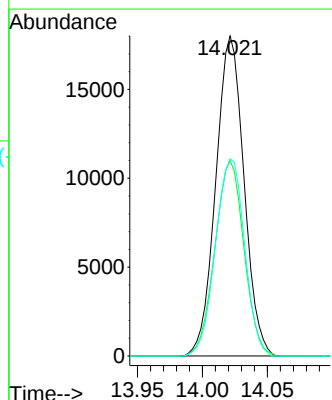
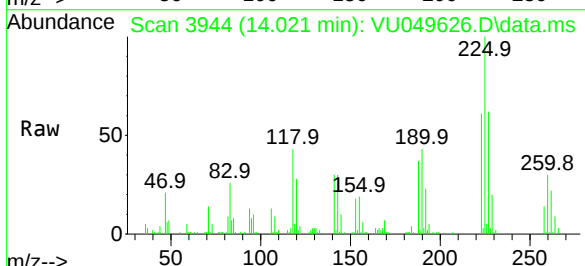
Tgt Ion:225 Resp: 27130

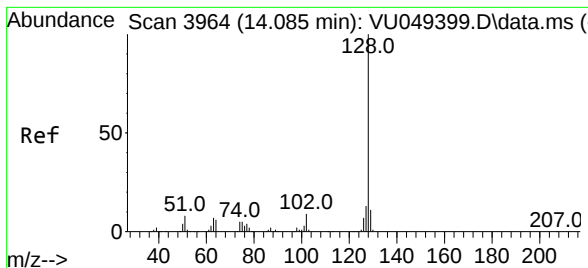
Ion Ratio Lower Upper

225 100

223 62.9 31.3 93.9

227 63.6 32.0 96.2

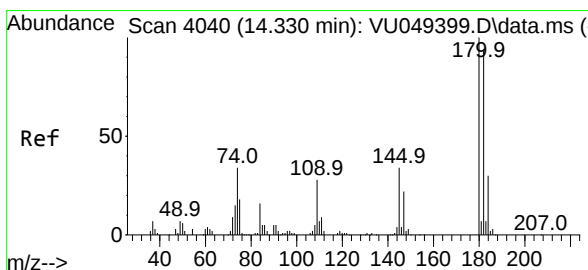
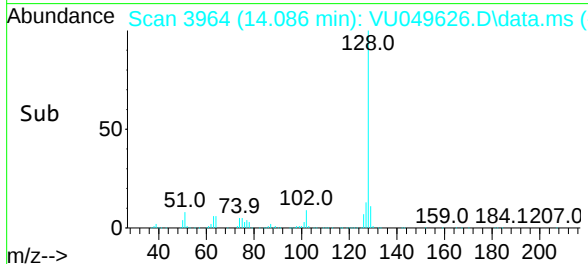
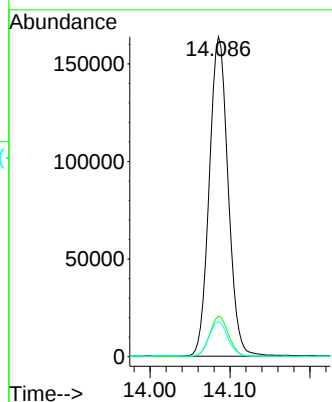
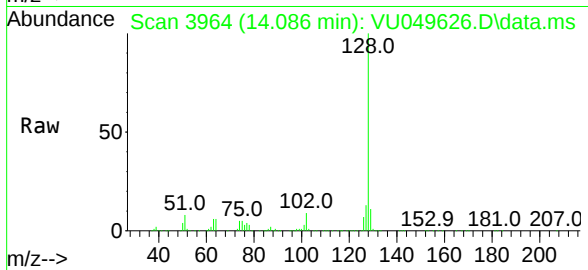




#95  
Naphthalene  
Concen: 21.809 ug/l  
RT: 14.086 min Scan# 3964  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Instrument :  
MSVOA\_U  
ClientSampleId :  
VU0705MBS01

Tgt Ion:128 Resp: 268141  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.3 15.5  
129 10.9 8.6 13.0



#96  
1,2,3-Trichlorobenzene  
Concen: 19.840 ug/l  
RT: 14.330 min Scan# 4040  
Delta R.T. 0.000 min  
Lab File: VU049626.D  
Acq: 05 Jul 2022 18:22

Tgt Ion:180 Resp: 72543  
Ion Ratio Lower Upper  
180 100  
182 94.1 48.4 145.0  
145 33.3 14.8 44.4

