

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU112221\  
 Data File : VU045929.D  
 Acq On : 22 Nov 2021 20:54  
 Operator : SY/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 23 05:20:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.378  | 168  | 102640   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.253  | 114  | 178460   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 9.417  | 117  | 178371   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 11.812 | 152  | 95238    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.706  | 65    | 71477    | 46.500   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 78 - 117 | Recovery | =    | 93.000% |
| 35) Dibromofluoromethane    | 5.292  | 113   | 56566    | 47.475   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.960% |
| 50) Toluene-d8              | 7.899  | 98    | 214433   | 48.399   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 92 - 112 | Recovery | =    | 96.800% |
| 62) 4-Bromofluorobenzene    | 10.635 | 95    | 82477    | 46.424   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 83 - 123 | Recovery | =    | 92.840% |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.388 | 85  | 70544  | 53.010  | ug/l   | 99  |
| 3) Chloromethane             | 1.523 | 50  | 70247  | 46.135  | ug/l   | 99  |
| 4) Vinyl Chloride            | 1.607 | 62  | 75453  | 50.870  | ug/l   | 99  |
| 5) Bromomethane              | 1.861 | 94  | 42569  | 51.455  | ug/l   | 99  |
| 6) Chloroethane              | 1.938 | 64  | 45052  | 46.542  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 2.144 | 101 | 101699 | 51.851  | ug/l   | 100 |
| 8) Diethyl Ether             | 2.382 | 74  | 40028  | 51.556  | ug/l   | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 2.587 | 101 | 58606  | 51.171  | ug/l   | 97  |
| 10) Methyl Iodide            | 2.729 | 142 | 60129  | 40.119  | ug/l   | 91  |
| 11) Tert butyl alcohol       | 3.279 | 59  | 59176  | 194.497 | ug/l # | 72  |
| 12) 1,1-Dichloroethene       | 2.584 | 96  | 58205  | 51.545  | ug/l   | 95  |
| 13) Acrolein                 | 2.497 | 56  | 10847  | 246.019 | ug/l   | 97  |
| 14) Allyl chloride           | 2.928 | 41  | 95915  | 47.570  | ug/l   | 98  |
| 15) Acrylonitrile            | 3.327 | 53  | 231342 | 284.792 | ug/l   | 98  |
| 16) Acetone                  | 2.655 | 43  | 187104 | 239.115 | ug/l   | 97  |
| 17) Carbon Disulfide         | 2.800 | 76  | 160280 | 50.674  | ug/l   | 99  |
| 18) Methyl Acetate           | 2.957 | 43  | 132135 | 49.579  | ug/l   | 96  |
| 19) Methyl tert-butyl Ether  | 3.369 | 73  | 207544 | 51.059  | ug/l   | 99  |
| 20) Methylene Chloride       | 3.051 | 84  | 68158  | 50.130  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 3.359 | 96  | 63227  | 53.820  | ug/l   | 92  |
| 22) Diisopropyl ether        | 3.996 | 45  | 192720 | 48.678  | ug/l   | 91  |
| 23) Vinyl Acetate            | 3.960 | 43  | 793724 | 260.669 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 3.874 | 63  | 120529 | 51.088  | ug/l   | 100 |
| 25) 2-Butanone               | 4.719 | 43  | 287887 | 265.266 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 4.671 | 77  | 92905  | 47.522  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 4.671 | 96  | 72955  | 52.873  | ug/l   | 97  |
| 28) Bromochloromethane       | 4.980 | 49  | 53302  | 47.390  | ug/l   | 92  |
| 29) Tetrahydrofuran          | 5.063 | 42  | 178123 | 268.320 | ug/l   | 95  |
| 30) Chloroform               | 5.092 | 83  | 120681 | 51.722  | ug/l   | 99  |
| 31) Cyclohexane              | 5.394 | 56  | 104274 | 46.491  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 5.321 | 97  | 105983 | 53.265  | ug/l   | 96  |
| 36) 1,1-Dichloropropene      | 5.529 | 75  | 88642  | 50.940  | ug/l   | 100 |
| 37) Ethyl Acetate            | 4.809 | 43  | 109473 | 54.767  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 5.529 | 117 | 90622  | 51.656  | ug/l   | 98  |
| 39) Methylcyclohexane        | 6.767 | 83  | 103260 | 48.370  | ug/l   | 94  |
| 40) Benzene                  | 5.777 | 78  | 260029 | 50.473  | ug/l   | 99  |

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 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_U/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: Nov 23 05:20:13 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 05 13:35:16 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.976  | 41   | 56054    | 53.064  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 5.800  | 62   | 96345    | 51.773  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 5.912  | 43   | 153119   | 50.082  | ug/l   | 98       |
| 44) Trichloroethene           | 6.546  | 130  | 67445    | 54.691  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 6.793  | 63   | 69961    | 51.322  | ug/l   | 97       |
| 46) Dibromomethane            | 6.922  | 93   | 49702    | 52.621  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.108  | 83   | 94647    | 52.811  | ug/l   | 96       |
| 48) Methyl methacrylate       | 6.960  | 41   | 68286    | 48.525  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 7.050  | 88   | 33583    | 927.987 | ug/l # | 39       |
| 51) 4-Methyl-2-Pentanone      | 7.793  | 43   | 537562   | 266.538 | ug/l   | 99       |
| 52) Toluene                   | 7.970  | 92   | 166987   | 52.943  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.211  | 75   | 107313   | 52.101  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 7.610  | 75   | 113536   | 51.897  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 8.401  | 97   | 68854    | 52.672  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 8.333  | 69   | 106947   | 45.825  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 8.578  | 76   | 120604   | 51.224  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 7.465  | 63   | 274850   | 228.382 | ug/l   | 98       |
| 59) 2-Hexanone                | 8.687  | 43   | 416276   | 237.592 | ug/l   | 99       |
| 60) Dibromochloromethane      | 8.812  | 129  | 73427    | 53.943  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 8.925  | 107  | 76058    | 54.249  | ug/l   | 99       |
| 64) Tetrachloroethene         | 8.555  | 164  | 62961    | 61.499  | ug/l   | 98       |
| 65) Chlorobenzene             | 9.449  | 112  | 175217   | 50.010  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 9.536  | 131  | 63198    | 50.575  | ug/l   | 99       |
| 67) Ethyl Benzene             | 9.571  | 91   | 322377   | 51.380  | ug/l   | 100      |
| 68) m/p-Xylenes               | 9.693  | 106  | 250893   | 106.028 | ug/l   | 99       |
| 69) o-Xylene                  | 10.102 | 106  | 121130   | 52.653  | ug/l   | 99       |
| 70) Styrene                   | 10.115 | 104  | 205893   | 52.902  | ug/l   | 98       |
| 71) Bromoform                 | 10.291 | 173  | 55754    | 47.317  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.488 | 105  | 320341   | 51.479  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.320 | 43   | 124114   | 44.212  | ug/l   | 96       |
| 75) 1,1,2,2-Tetrachloroethane | 10.783 | 83   | 119815   | 48.598  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 10.825 | 75   | 135198   | 46.811  | ug/l   | 94       |
| 77) Bromobenzene              | 10.783 | 156  | 75588    | 50.030  | ug/l   | 94       |
| 78) n-propylbenzene           | 10.909 | 91   | 391293   | 50.523  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 10.986 | 91   | 228325   | 49.899  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.089 | 105  | 277685   | 51.074  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 10.549 | 75   | 35058    | 40.377  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.098 | 91   | 268905   | 50.111  | ug/l   | 97       |
| 83) tert-Butylbenzene         | 11.423 | 119  | 254187   | 49.045  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.468 | 105  | 278409   | 51.523  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.645 | 105  | 345695   | 50.293  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 11.796 | 119  | 288130   | 50.163  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.748 | 146  | 148416   | 48.687  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 11.838 | 146  | 152385   | 49.426  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.211 | 91   | 262715   | 47.481  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.478 | 117  | 43324    | 41.811  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.214 | 146  | 148890   | 50.202  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.999 | 75   | 28672    | 49.286  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.841 | 180  | 100713   | 49.113  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 14.021 | 225  | 41404    | 46.774  | ug/l   | 99       |
| 95) Naphthalene               | 14.085 | 128  | 362903   | 47.134  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 14.330 | 180  | 100838   | 49.507  | ug/l   | 99       |

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Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_U/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
ClientSampleId :

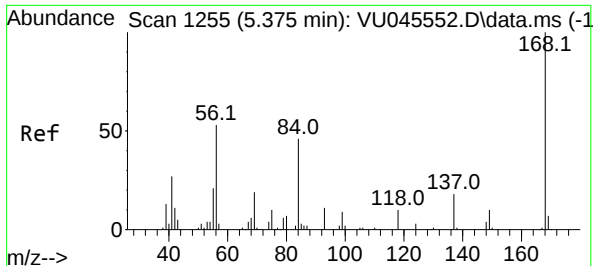
Quant Time: Nov 23 05:20:13 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 05 13:35:16 2021  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\82U110521W.M  
Quant Title : SW846 8260  
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Response via : Initial Calibration

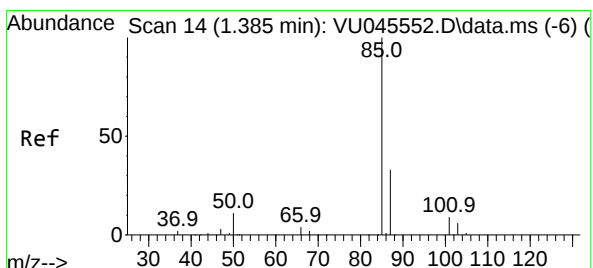
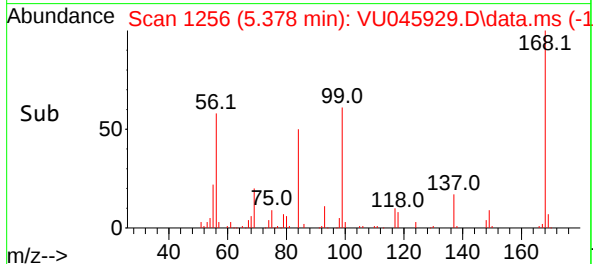
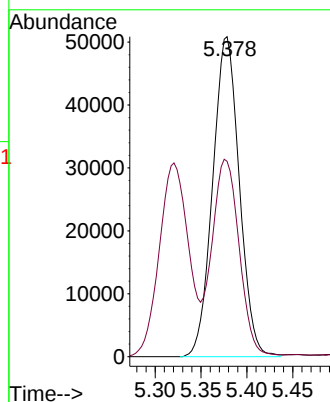
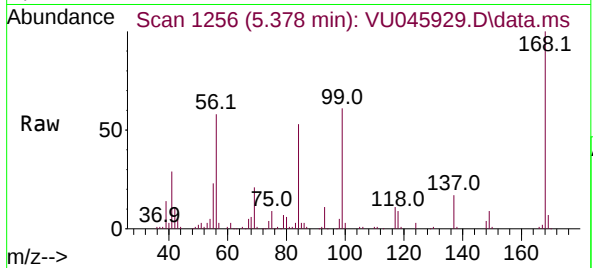




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.378 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

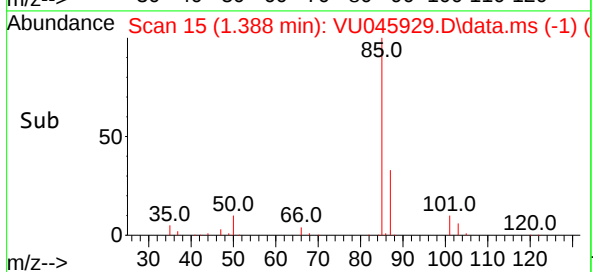
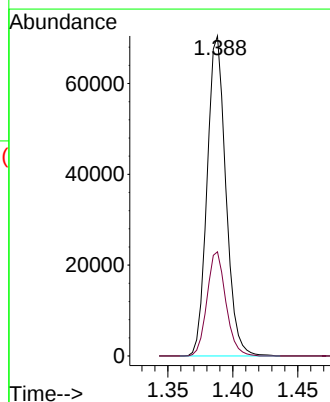
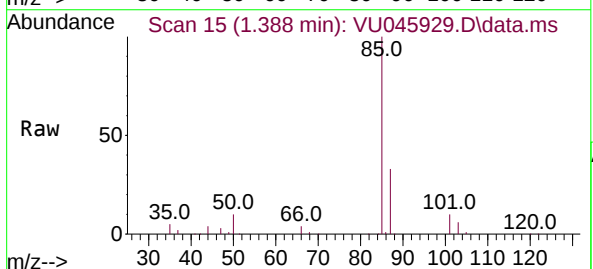
Instrument :  
MSVOA\_U  
ClientSampleId :

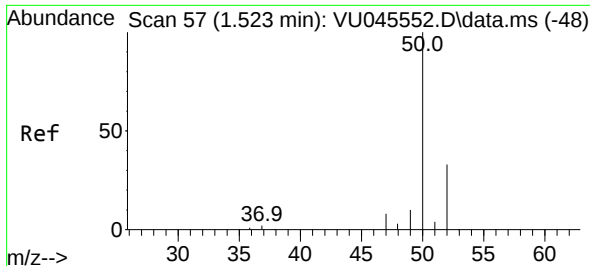
Tgt Ion:168 Resp: 102640  
Ion Ratio Lower Upper  
168 100  
99 60.5 51.0 76.6



#2  
Dichlorodifluoromethane  
Concen: 53.010 ug/l  
RT: 1.388 min Scan# 15  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

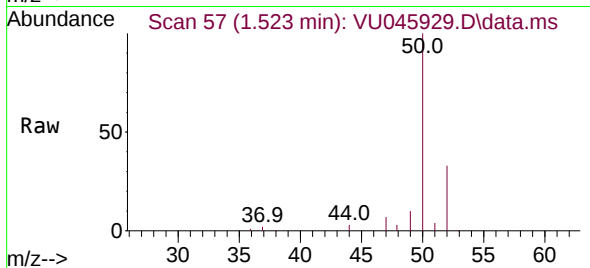
Tgt Ion: 85 Resp: 70544  
Ion Ratio Lower Upper  
85 100  
87 32.5 15.9 47.7



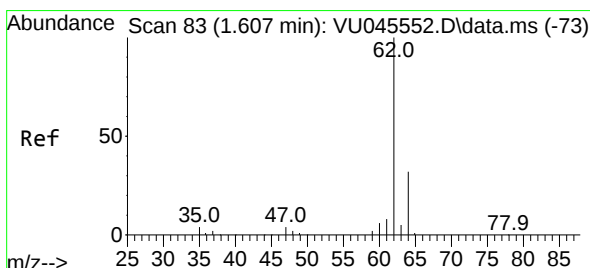
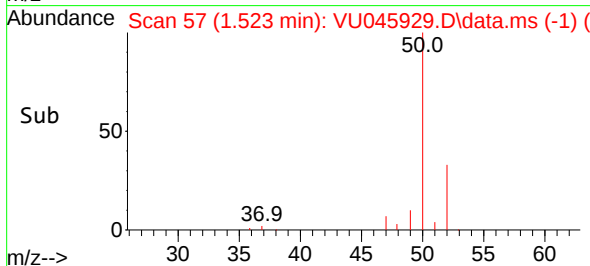
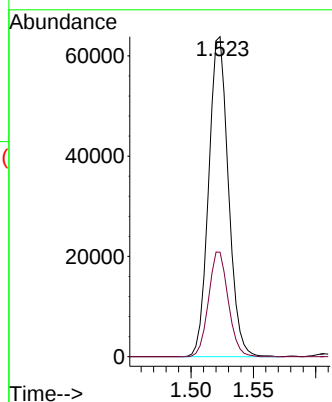


#3  
Chloromethane  
Concen: 46.135 ug/l  
RT: 1.523 min Scan# 51  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Instrument :  
MSVOA\_U  
ClientSampleId :

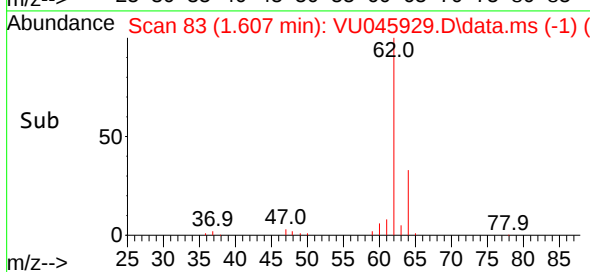
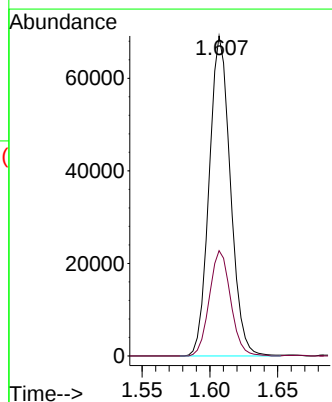
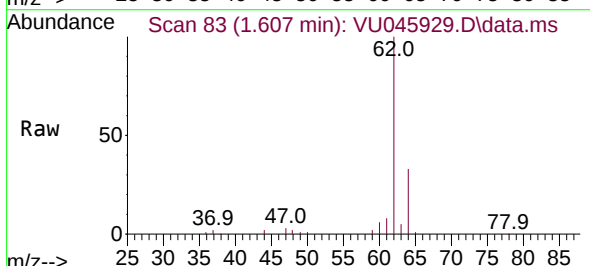


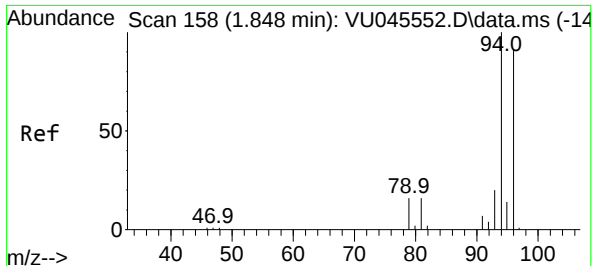
Tgt Ion: 50 Resp: 70247  
Ion Ratio Lower Upper  
50 100  
52 32.7 26.6 40.0



#4  
Vinyl Chloride  
Concen: 50.870 ug/l  
RT: 1.607 min Scan# 83  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

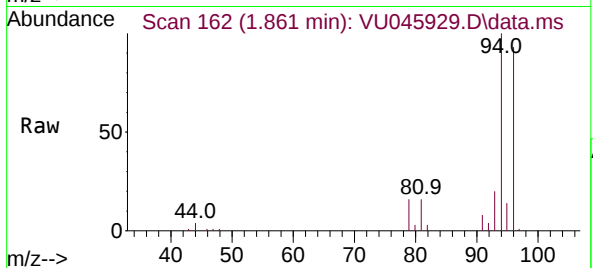
Tgt Ion: 62 Resp: 75453  
Ion Ratio Lower Upper  
62 100  
64 32.9 25.8 38.6



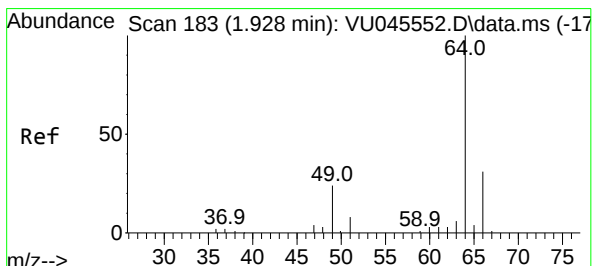
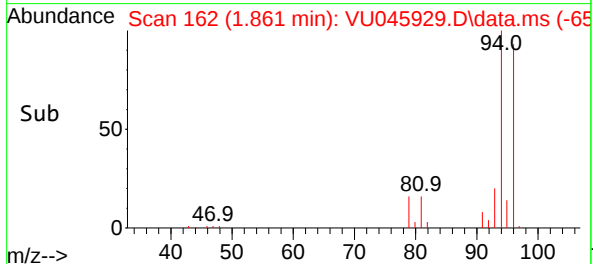
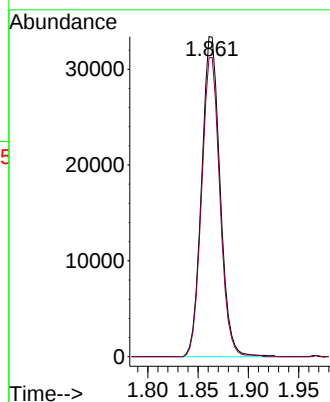


#5  
Bromomethane  
Concen: 51.455 ug/l  
RT: 1.861 min Scan# 1  
Delta R.T. 0.013 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Instrument :  
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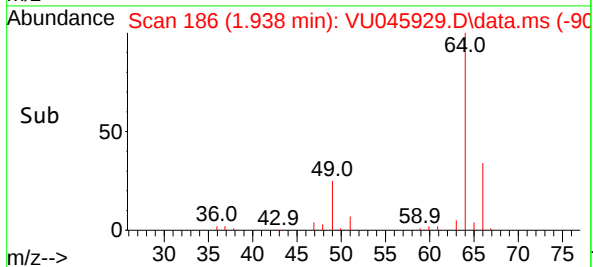
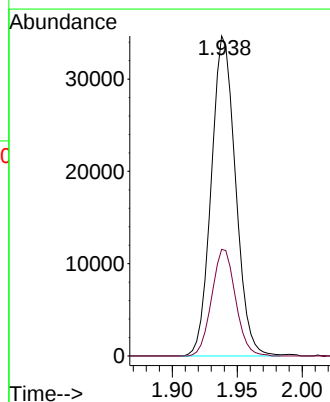
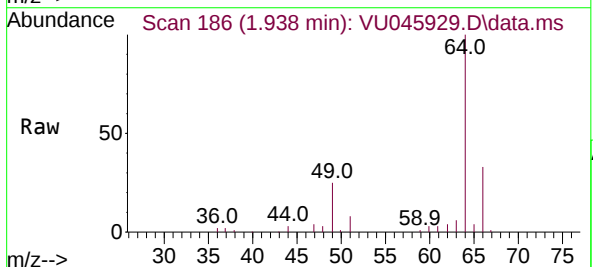


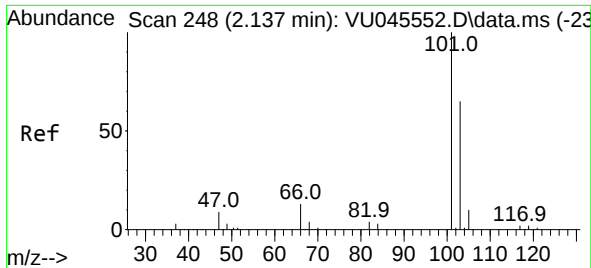
Tgt Ion: 94 Resp: 42569  
Ion Ratio Lower Upper  
94 100  
96 93.4 75.4 113.2



#6  
Chloroethane  
Concen: 46.542 ug/l  
RT: 1.938 min Scan# 186  
Delta R.T. 0.010 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 64 Resp: 45052  
Ion Ratio Lower Upper  
64 100  
66 33.3 26.7 40.1

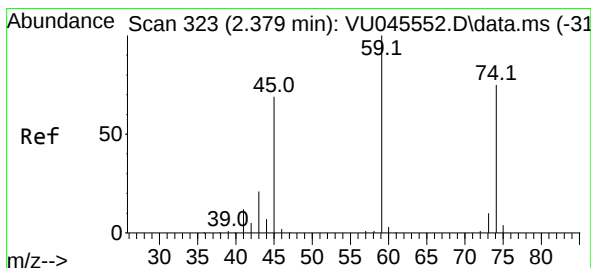
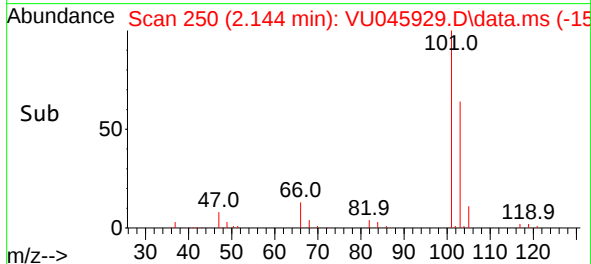
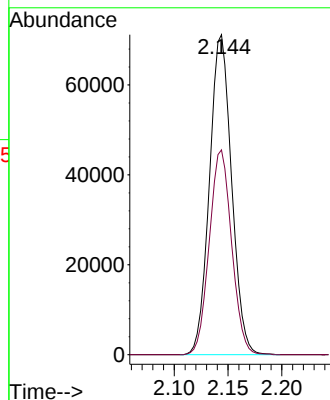
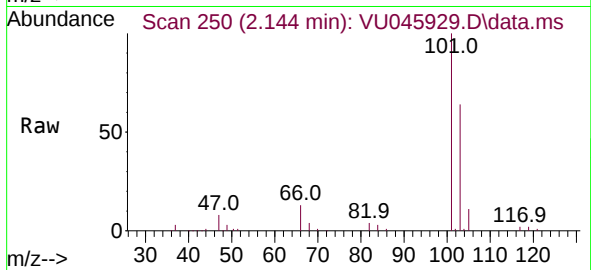




#7  
 Trichlorofluoromethane  
 Concen: 51.851 ug/l  
 RT: 2.144 min Scan# 210  
 Delta R.T. 0.006 min  
 Lab File: VU045929.D  
 Acq: 22 Nov 2021 20:54

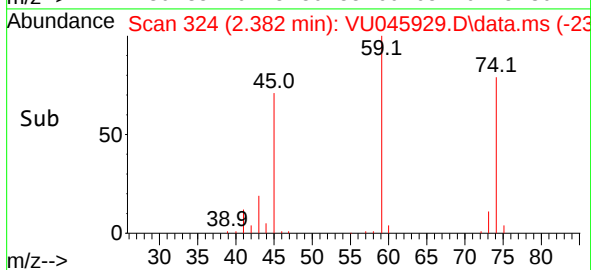
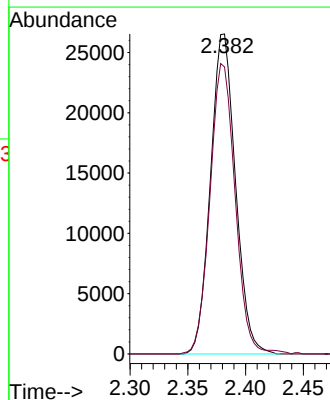
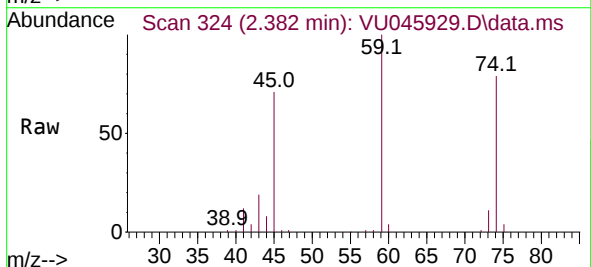
Instrument :  
 MSVOA\_U  
 ClientSampleId :

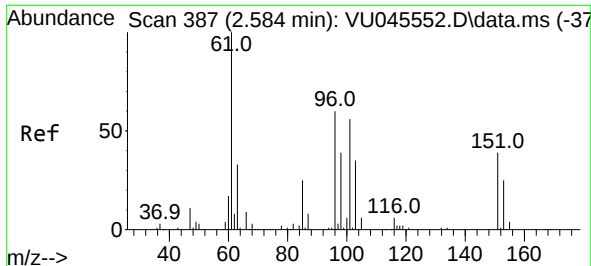
Tgt Ion:101 Resp: 101699  
 Ion Ratio Lower Upper  
 101 100  
 103 64.0 51.4 77.0



#8  
 Diethyl Ether  
 Concen: 51.556 ug/l  
 RT: 2.382 min Scan# 324  
 Delta R.T. 0.003 min  
 Lab File: VU045929.D  
 Acq: 22 Nov 2021 20:54

Tgt Ion: 74 Resp: 40028  
 Ion Ratio Lower Upper  
 74 100  
 45 91.2 47.3 141.8

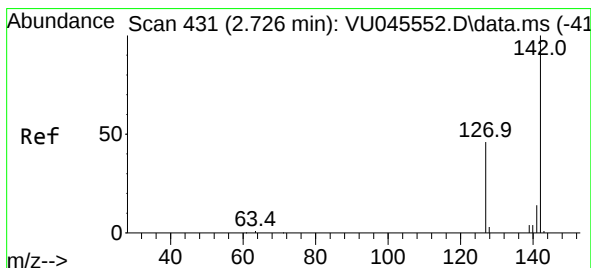
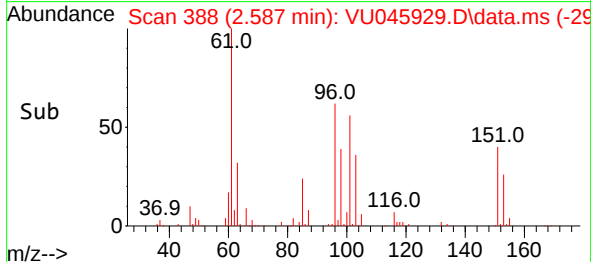
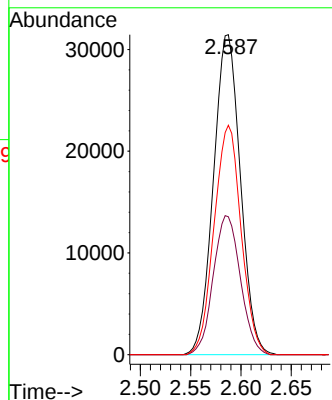
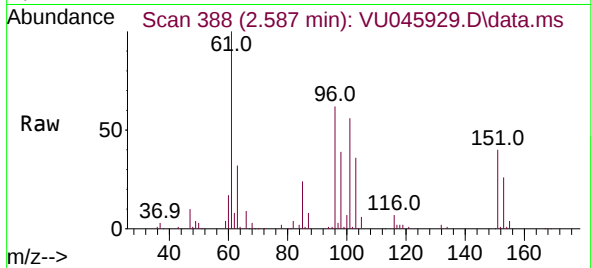




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 51.171 ug/l  
RT: 2.587 min Scan# 387  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

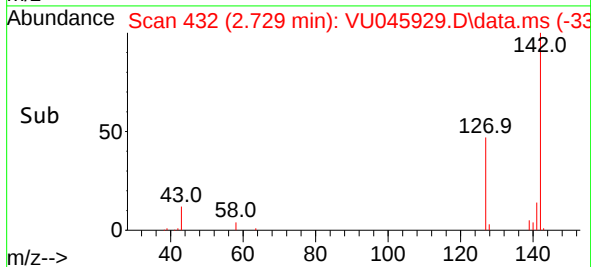
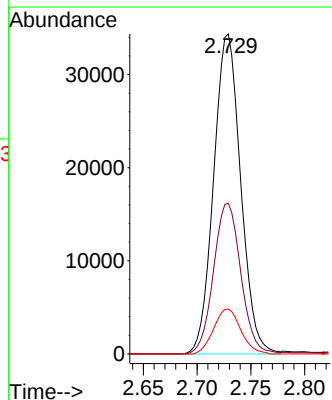
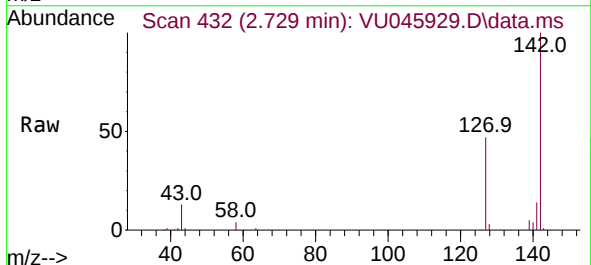
Instrument :  
MSVOA\_U  
ClientSampleId :

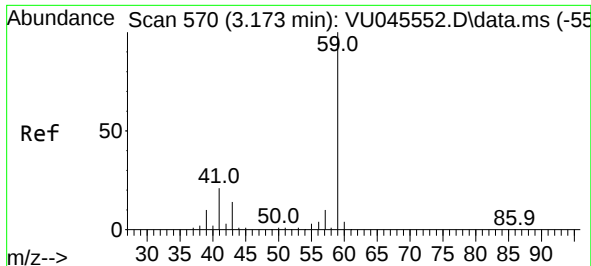
Tgt Ion:101 Resp: 58606  
Ion Ratio Lower Upper  
101 100  
85 43.7 35.0 52.4  
151 71.9 54.6 82.0



#10  
Methyl Iodide  
Concen: 40.119 ug/l  
RT: 2.729 min Scan# 432  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion:142 Resp: 60129  
Ion Ratio Lower Upper  
142 100  
127 47.5 32.2 48.2  
141 14.1 11.3 16.9

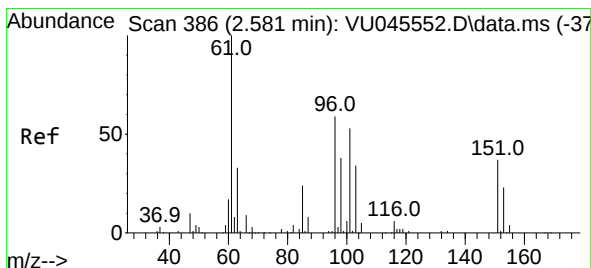
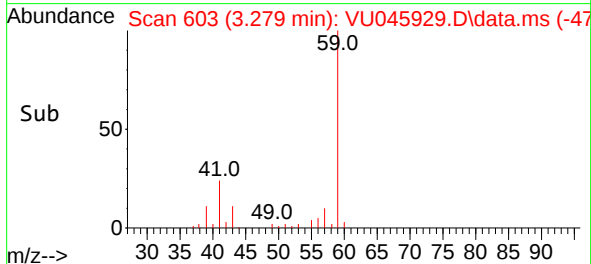
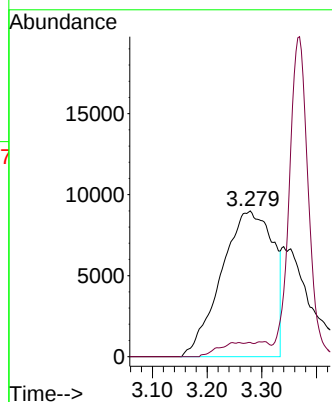
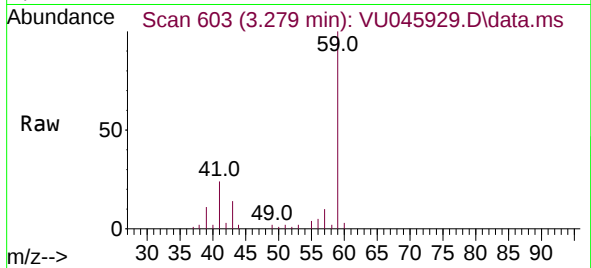




#11  
Tert butyl alcohol  
Concen: 194.497 ug/l  
RT: 3.279 min Scan# 60  
Delta R.T. 0.106 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

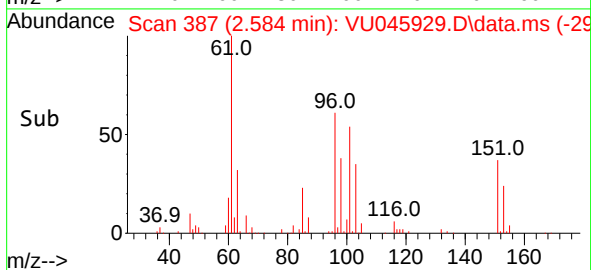
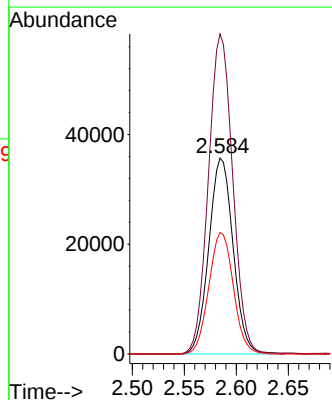
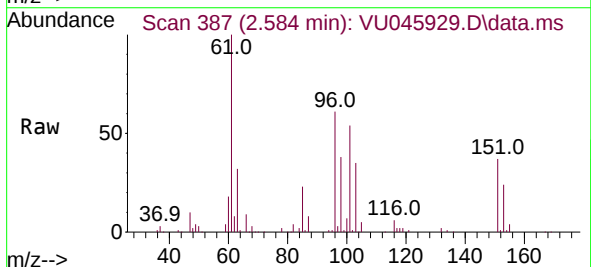
Instrument :  
MSVOA\_U  
ClientSampleId :

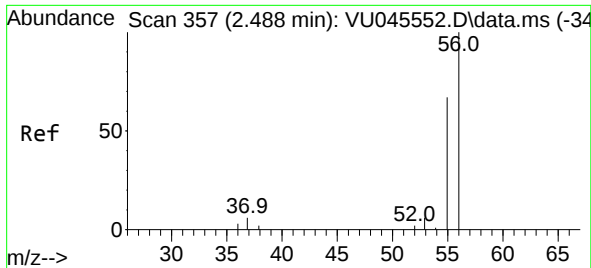
Tgt Ion: 59 Resp: 59176  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.3 12.5#



#12  
1,1-Dichloroethene  
Concen: 51.545 ug/l  
RT: 2.584 min Scan# 387  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 96 Resp: 58205  
Ion Ratio Lower Upper  
96 100  
61 163.5 137.1 205.7  
98 62.1 51.5 77.3

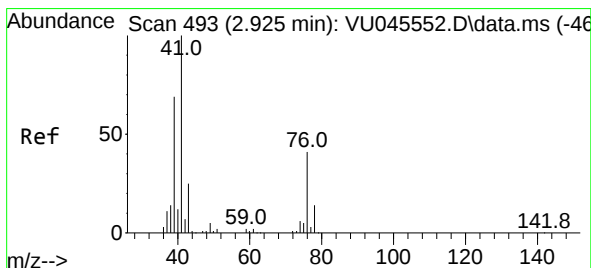
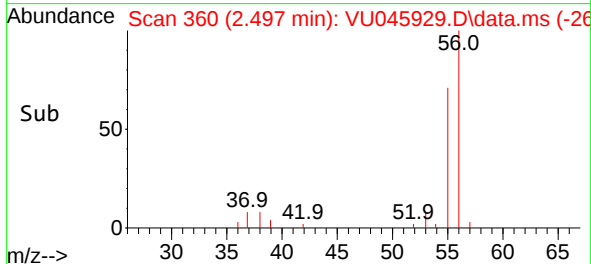
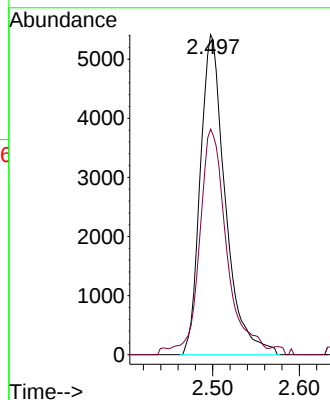
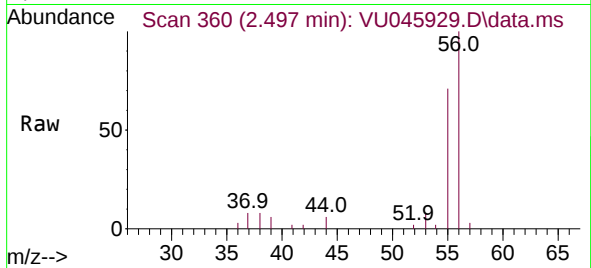




#13  
Acrolein  
Concen: 246.019 ug/l  
RT: 2.497 min Scan# 30  
Delta R.T. 0.010 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

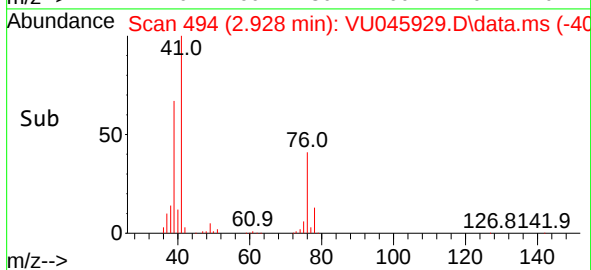
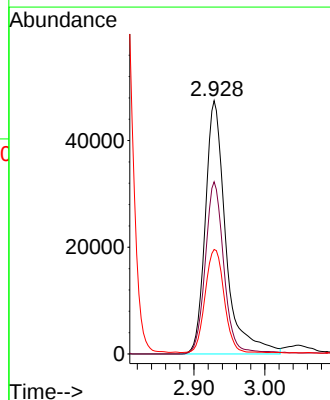
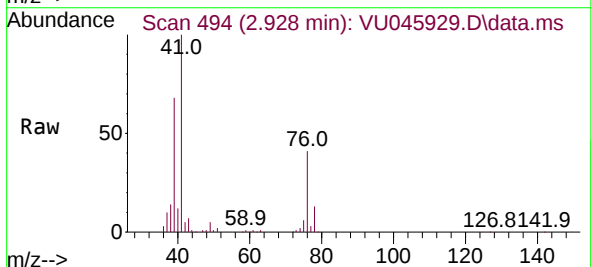
Instrument :  
MSVOA\_U  
ClientSampleId :

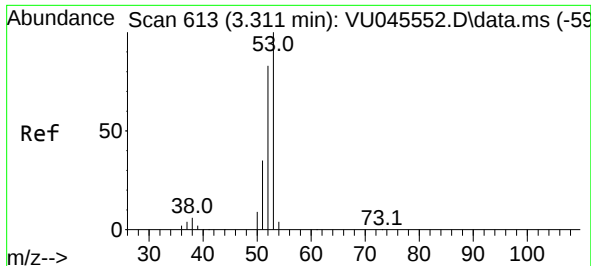
Tgt Ion: 56 Resp: 10847  
Ion Ratio Lower Upper  
56 100  
55 72.5 56.3 84.5



#14  
Allyl chloride  
Concen: 47.570 ug/l  
RT: 2.928 min Scan# 494  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

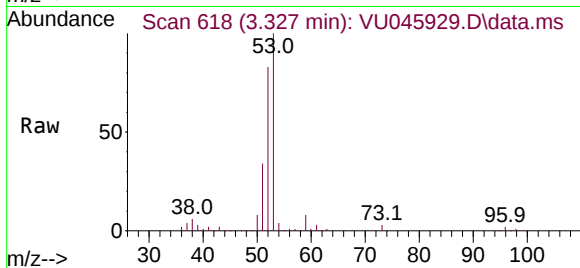
Tgt Ion: 41 Resp: 95915  
Ion Ratio Lower Upper  
41 100  
39 62.1 49.7 74.5  
76 37.4 27.7 41.5



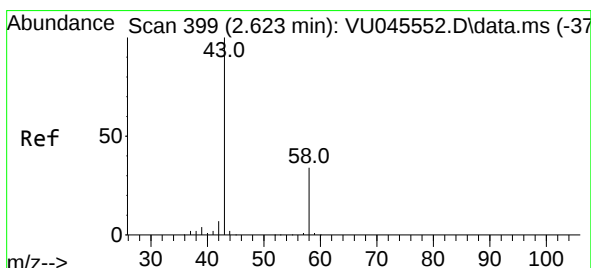
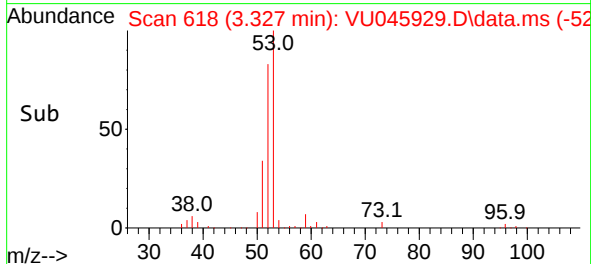
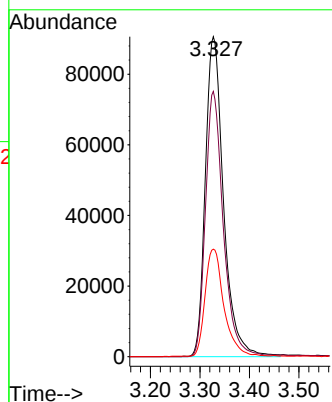


#15  
Acrylonitrile  
Concen: 284.792 ug/l  
RT: 3.327 min Scan# 61  
Delta R.T. 0.016 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Instrument :  
MSVOA\_U  
ClientSampleId :

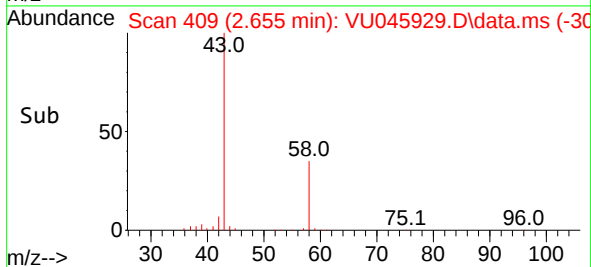
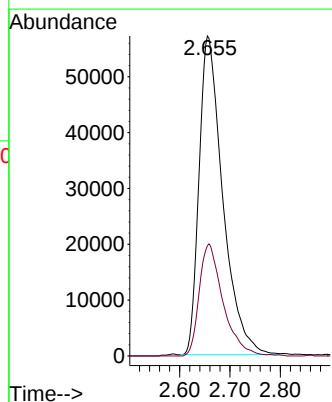
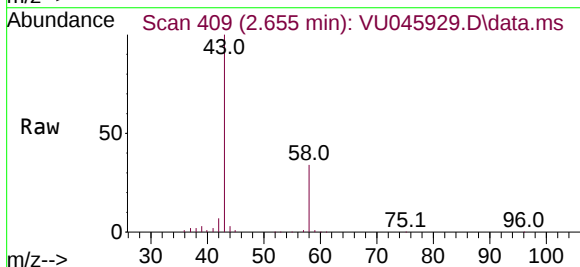


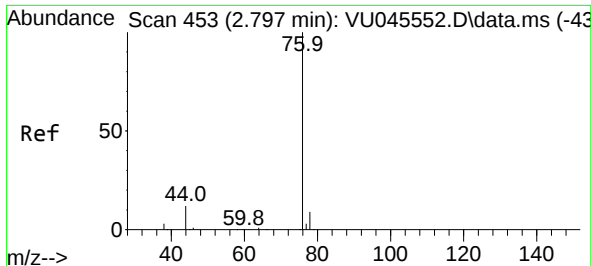
Tgt Ion: 53 Resp: 231342  
Ion Ratio Lower Upper  
53 100  
52 81.5 66.6 100.0  
51 34.5 28.4 42.6



#16  
Acetone  
Concen: 239.115 ug/l  
RT: 2.655 min Scan# 409  
Delta R.T. 0.032 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 43 Resp: 187104  
Ion Ratio Lower Upper  
43 100  
58 34.6 26.2 39.2

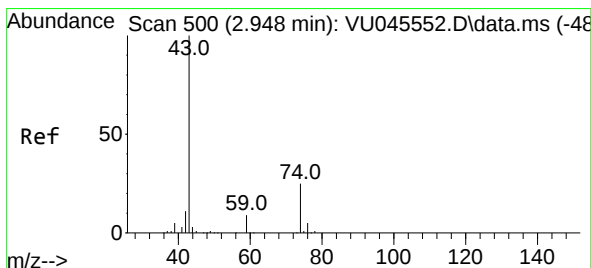
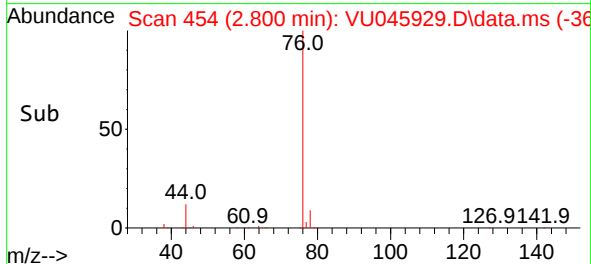
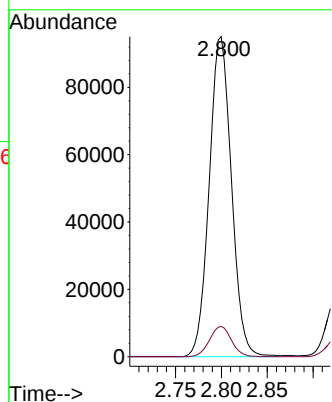
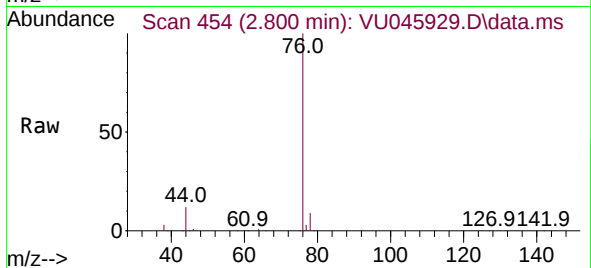




#17  
Carbon Disulfide  
Concen: 50.674 ug/l  
RT: 2.800 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

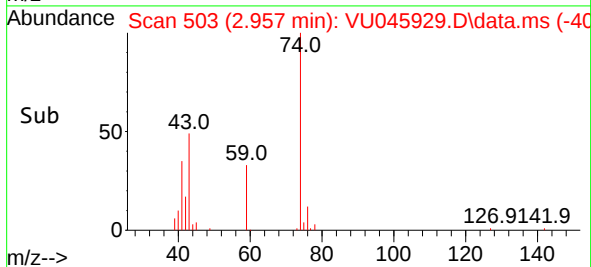
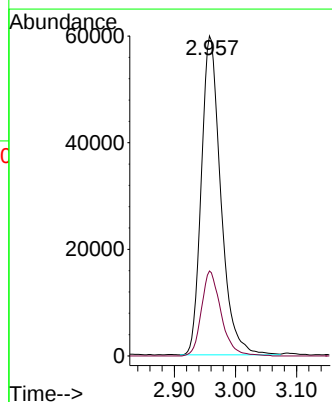
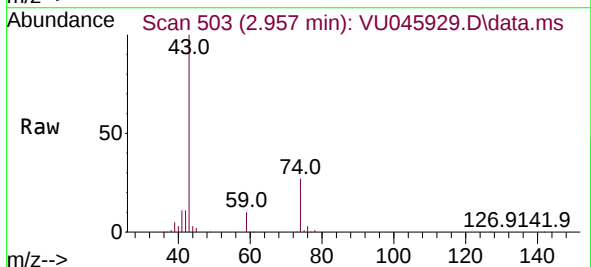
Instrument :  
MSVOA\_U  
ClientSampleId :

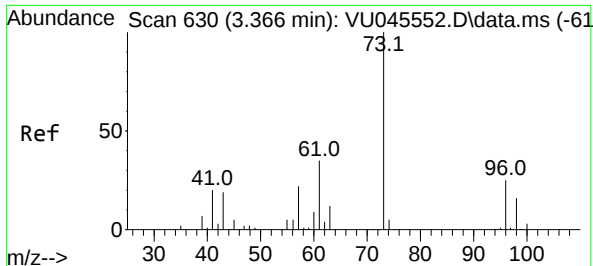
Tgt Ion: 76 Resp: 160280  
Ion Ratio Lower Upper  
76 100  
78 9.5 7.3 10.9



#18  
Methyl Acetate  
Concen: 49.579 ug/l  
RT: 2.957 min Scan# 503  
Delta R.T. 0.010 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 43 Resp: 132135  
Ion Ratio Lower Upper  
43 100  
74 27.0 20.2 30.2





#19

Methyl tert-butyl Ether

Concen: 51.059 ug/l

RT: 3.369 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

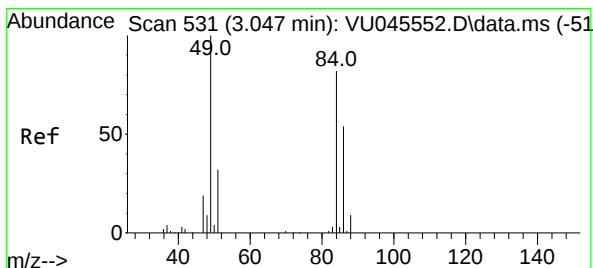
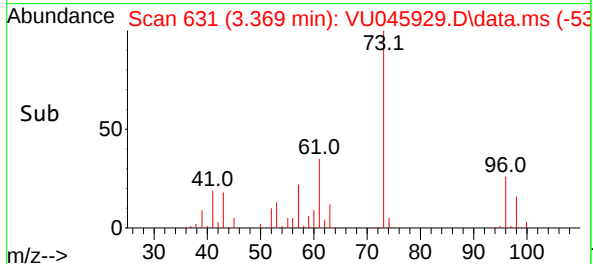
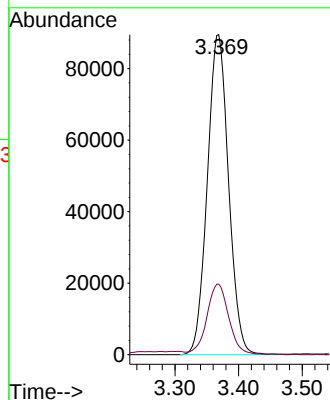
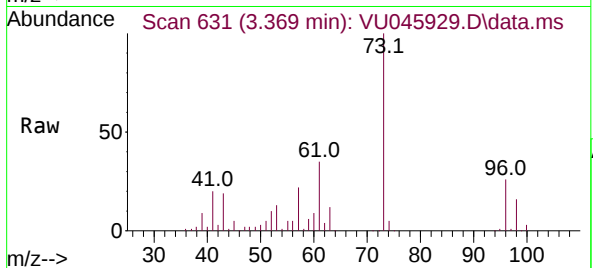
ClientSampleId :

Tgt Ion: 73 Resp: 207544

Ion Ratio Lower Upper

73 100

57 22.0 18.1 27.1



#20

Methylene Chloride

Concen: 50.130 ug/l

RT: 3.051 min Scan# 532

Delta R.T. 0.003 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Tgt Ion: 84 Resp: 68158

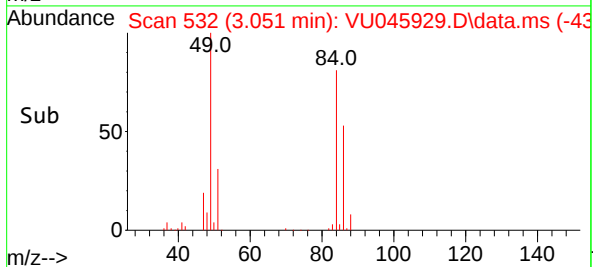
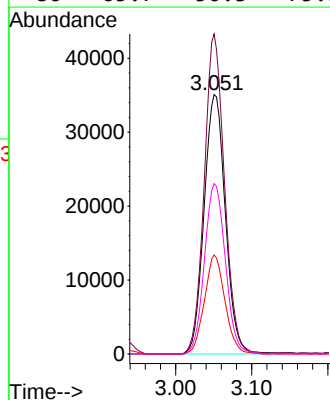
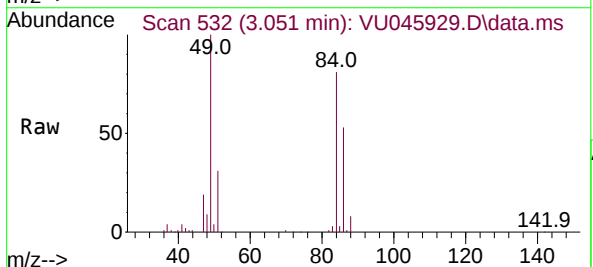
Ion Ratio Lower Upper

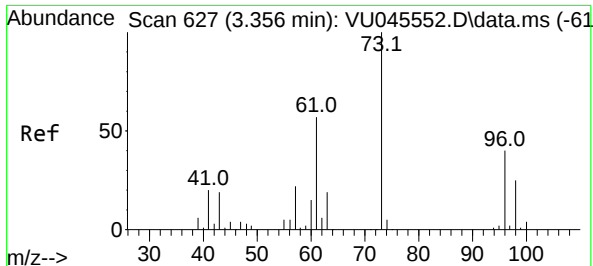
84 100

49 123.3 96.4 144.6

51 38.2 30.5 45.7

86 65.7 50.3 75.5

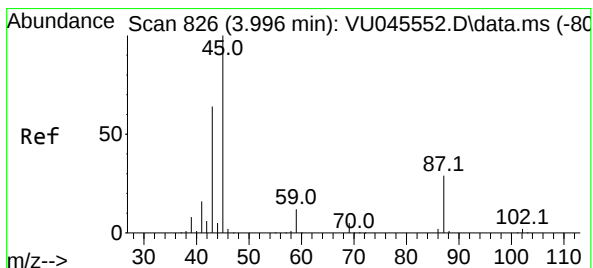
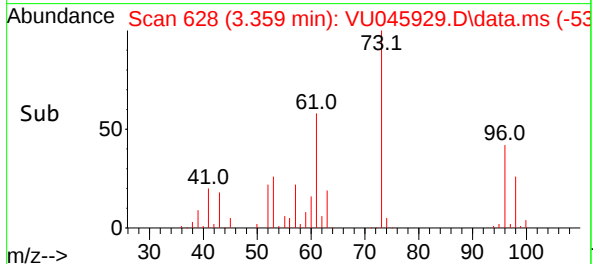
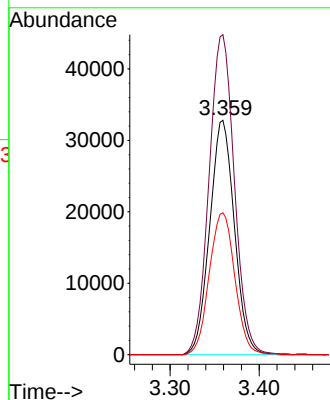
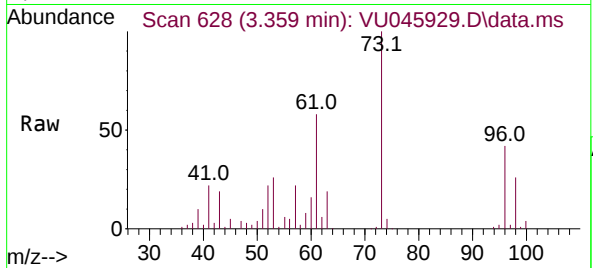




#21  
trans-1,2-Dichloroethene  
Concen: 53.820 ug/l  
RT: 3.359 min Scan# 61  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

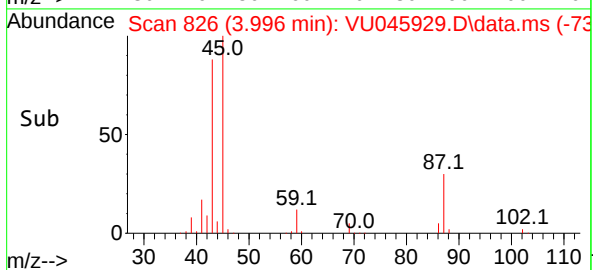
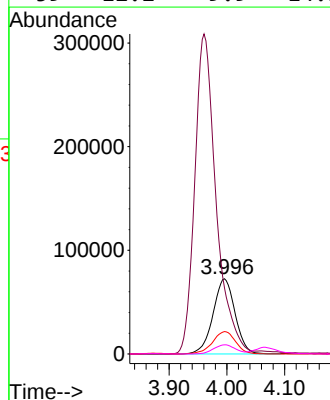
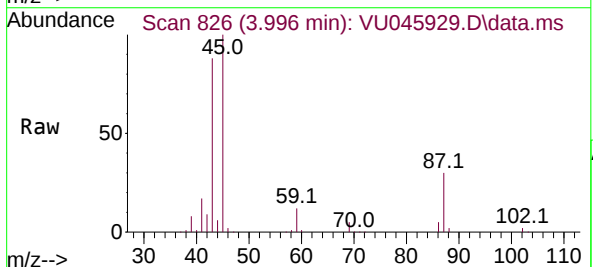
Instrument :  
MSVOA\_U  
ClientSampleId :

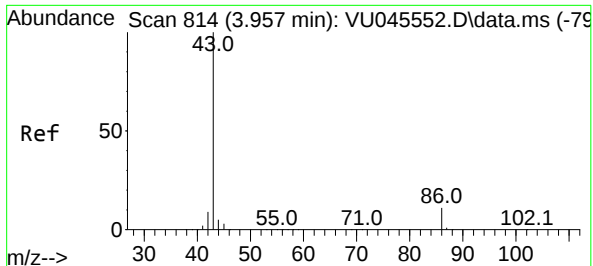
Tgt Ion: 96 Resp: 63227  
Ion Ratio Lower Upper  
96 100  
61 136.5 118.2 177.4  
98 60.5 52.1 78.1



#22  
Diisopropyl ether  
Concen: 48.678 ug/l  
RT: 3.996 min Scan# 826  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 45 Resp: 192720  
Ion Ratio Lower Upper  
45 100  
43 85.1 60.0 90.0  
87 29.7 22.3 33.5  
59 12.2 9.9 14.9

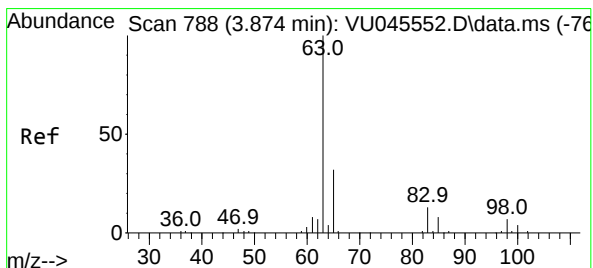
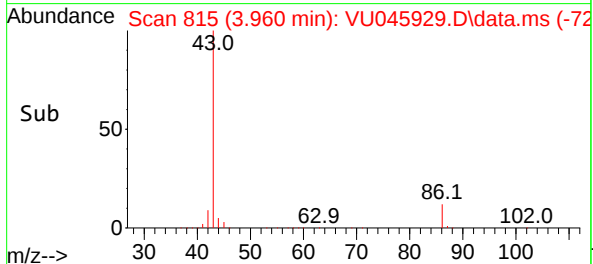
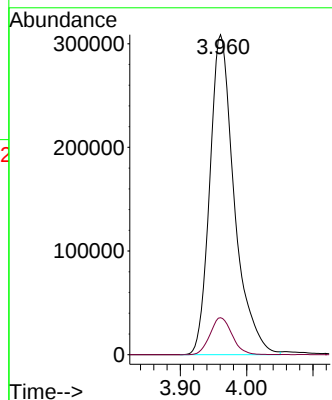
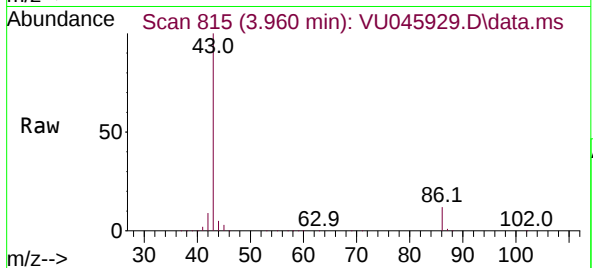




#23  
 Vinyl Acetate  
 Concen: 260.669 ug/l  
 RT: 3.960 min Scan# 814  
 Delta R.T. 0.003 min  
 Lab File: VU045929.D  
 Acq: 22 Nov 2021 20:54

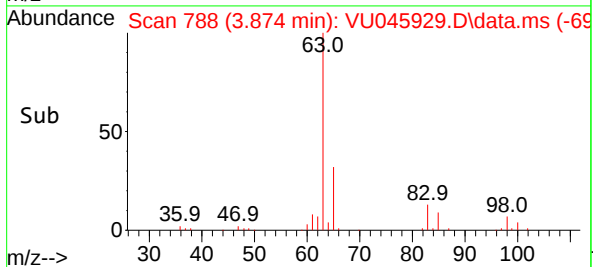
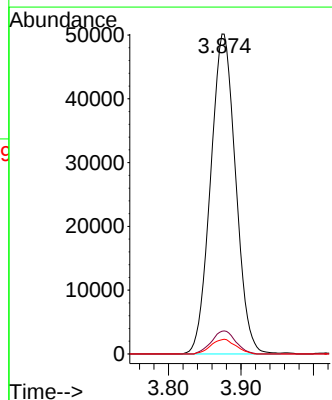
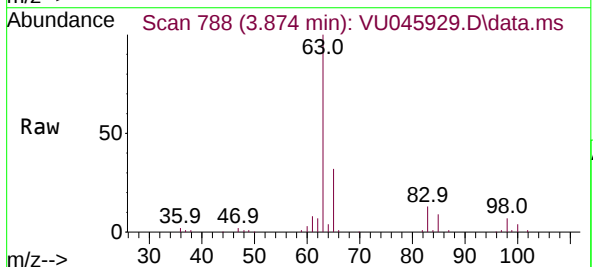
Instrument :  
 MSVOA\_U  
 ClientSampleId :

Tgt Ion: 43 Resp: 793724  
 Ion Ratio Lower Upper  
 43 100  
 86 11.6 8.9 13.3



#24  
 1,1-Dichloroethane  
 Concen: 51.088 ug/l  
 RT: 3.874 min Scan# 788  
 Delta R.T. -0.000 min  
 Lab File: VU045929.D  
 Acq: 22 Nov 2021 20:54

Tgt Ion: 63 Resp: 120529  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.5 10.6  
 100 4.4 2.4 7.2





#25

2-Butanone

Concen: 265.266 ug/l

RT: 4.719 min Scan# 1051

Delta R.T. 0.019 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

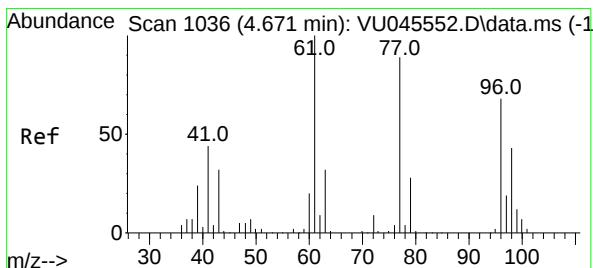
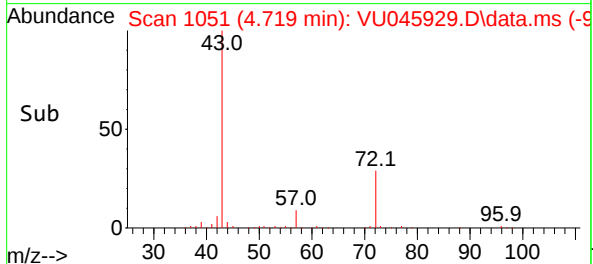
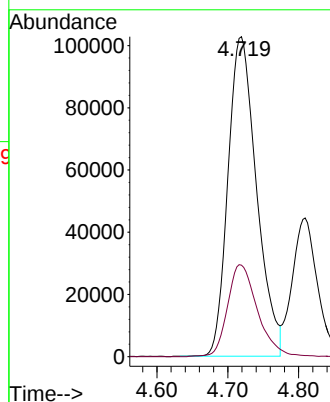
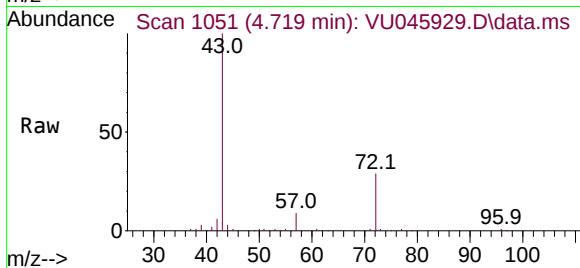
ClientSampleId :

Tgt Ion: 43 Resp: 287887

Ion Ratio Lower Upper

43 100

72 28.6 22.0 33.0



#26

2,2-Dichloropropane

Concen: 47.522 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU045929.D

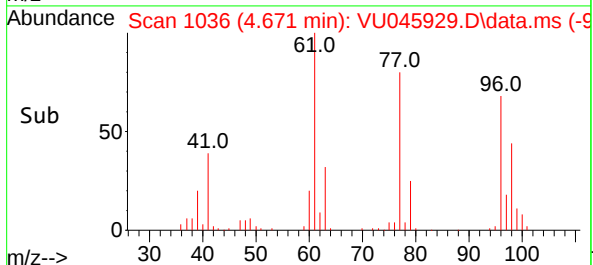
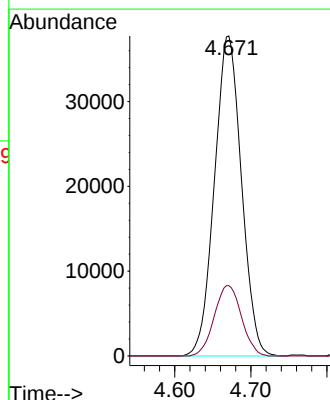
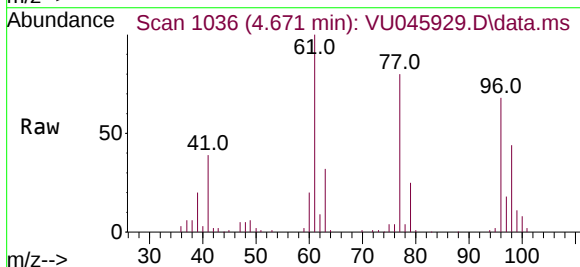
Acq: 22 Nov 2021 20:54

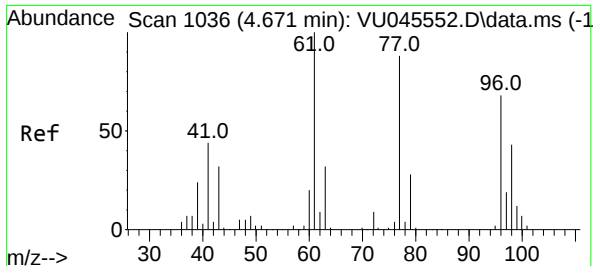
Tgt Ion: 77 Resp: 92905

Ion Ratio Lower Upper

77 100

97 22.2 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 52.873 ug/l

RT: 4.671 min Scan# 1036

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

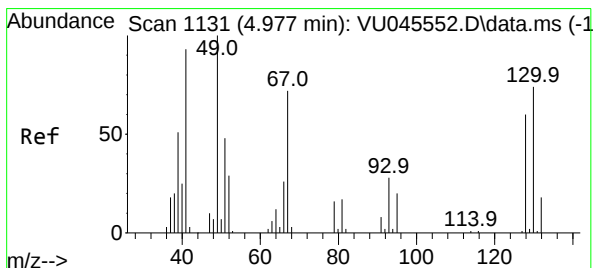
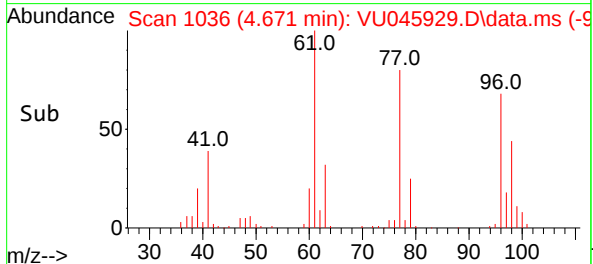
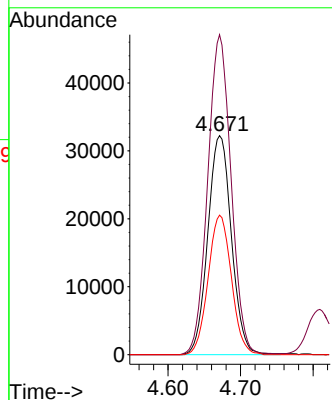
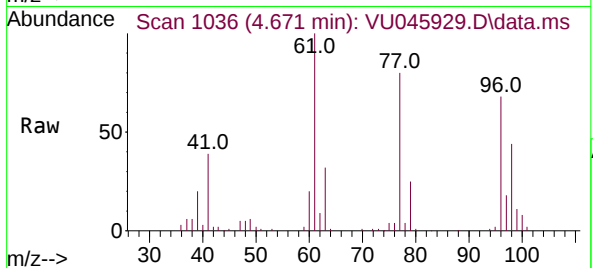
Tgt Ion: 96 Resp: 72955

Ion Ratio Lower Upper

96 100

61 144.5 0.0 299.2

98 62.7 0.0 127.6



#28

Bromochloromethane

Concen: 47.390 ug/l

RT: 4.980 min Scan# 1132

Delta R.T. 0.003 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

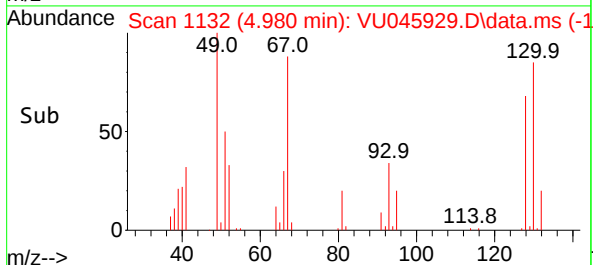
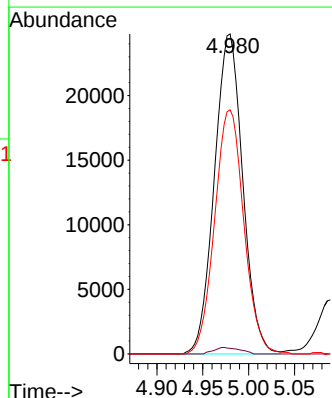
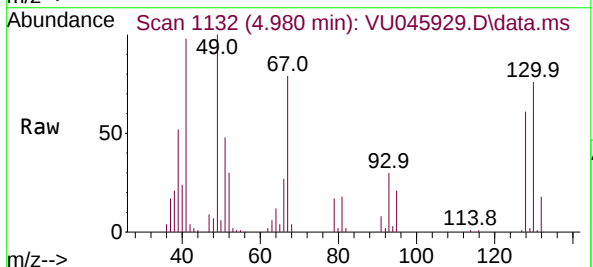
Tgt Ion: 49 Resp: 53302

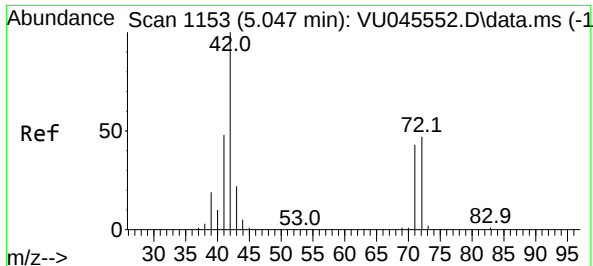
Ion Ratio Lower Upper

49 100

129 1.9 0.0 3.4

130 78.5 57.5 86.3





#29

Tetrahydrofuran

Concen: 268.320 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.016 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

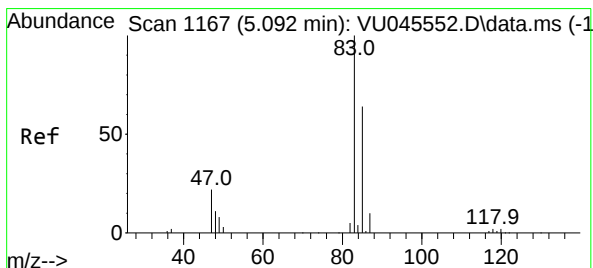
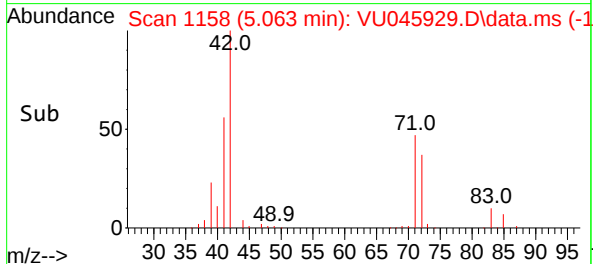
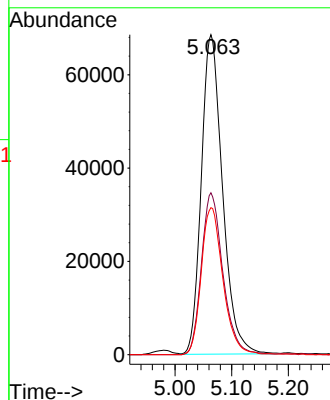
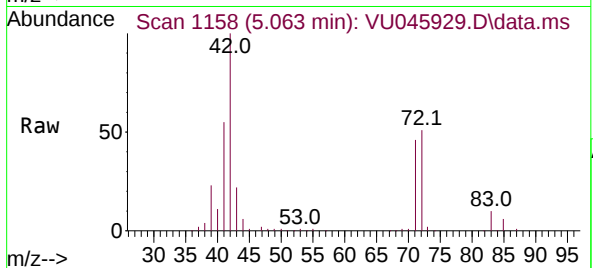
Tgt Ion: 42 Resp: 178123

Ion Ratio Lower Upper

42 100

72 51.3 38.2 57.4

71 47.0 35.4 53.2



#30

Chloroform

Concen: 51.722 ug/l

RT: 5.092 min Scan# 1167

Delta R.T. -0.000 min

Lab File: VU045929.D

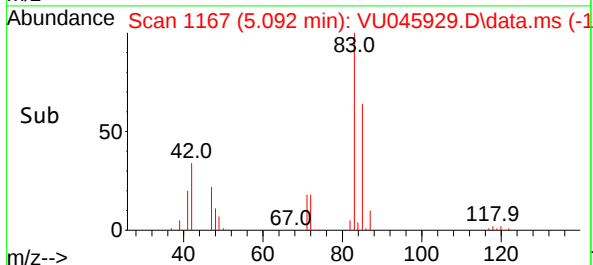
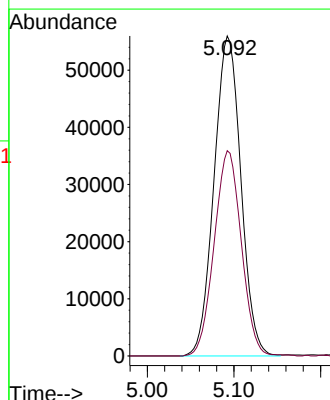
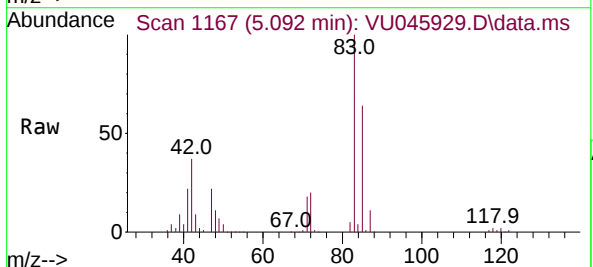
Acq: 22 Nov 2021 20:54

Tgt Ion: 83 Resp: 120681

Ion Ratio Lower Upper

83 100

85 64.2 52.0 78.0





#31

Cyclohexane

Concen: 46.491 ug/l

RT: 5.394 min Scan# 1260

Delta R.T. 0.003 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

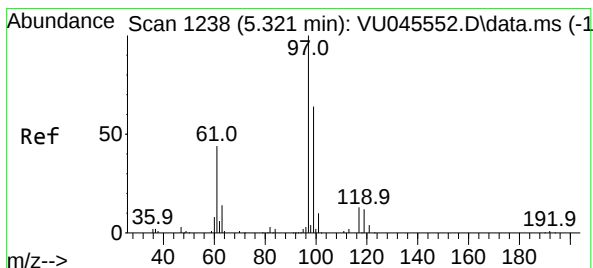
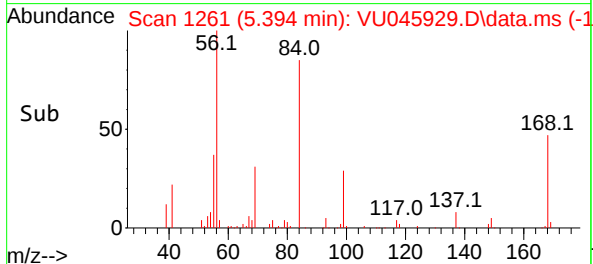
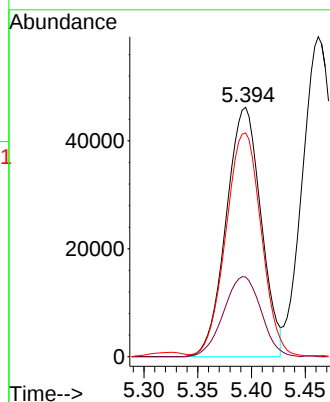
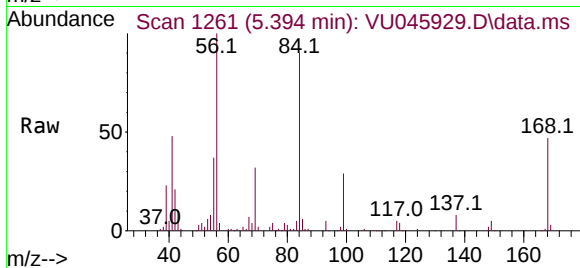
Tgt Ion: 56 Resp: 104274

Ion Ratio Lower Upper

56 100

69 31.9 26.4 39.6

84 88.4 68.4 102.6



#32

1,1,1-Trichloroethane

Concen: 53.265 ug/l

RT: 5.321 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

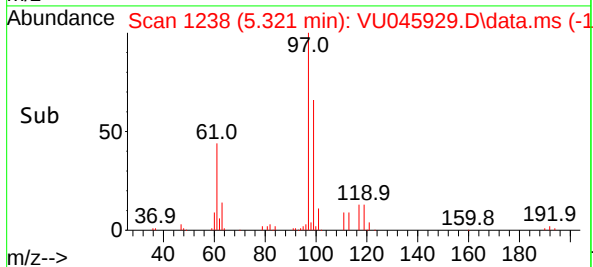
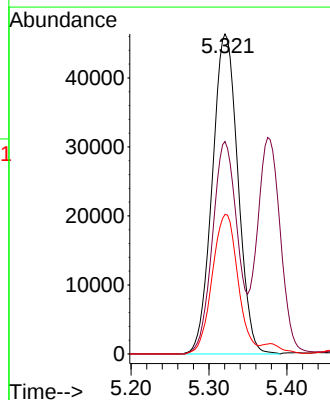
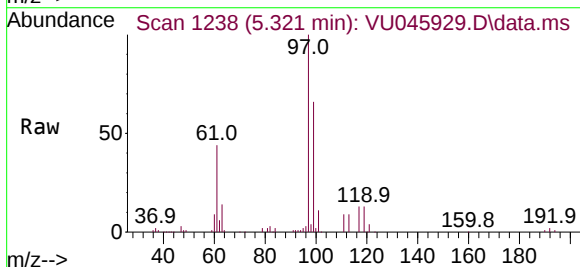
Tgt Ion: 97 Resp: 105983

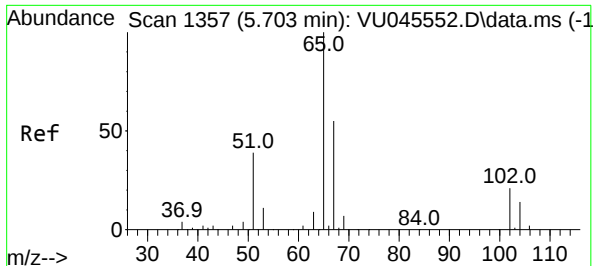
Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

61 43.9 38.3 57.5





#33

1,2-Dichloroethane-d4

Concen: 46.500 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

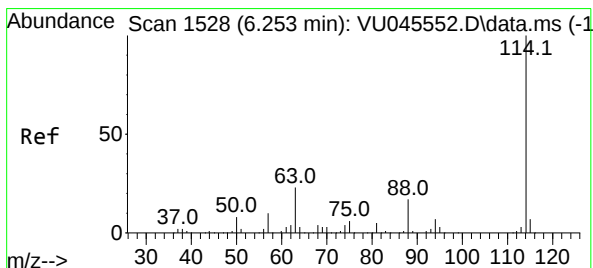
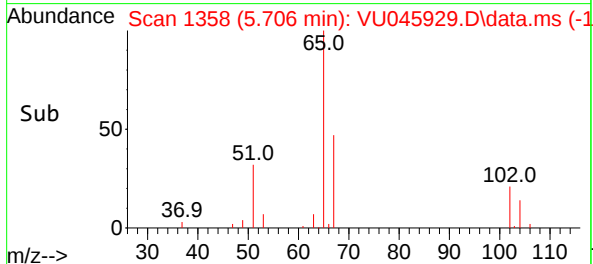
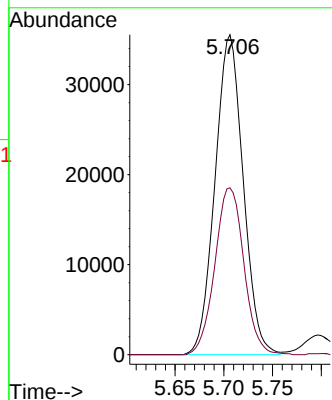
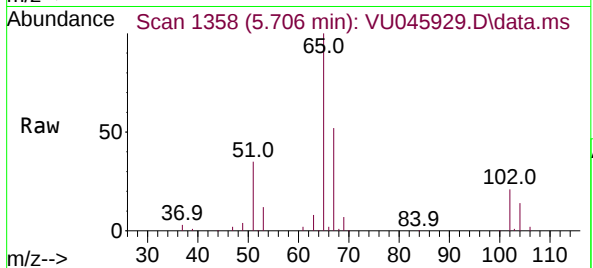
ClientSampleId :

Tgt Ion: 65 Resp: 71477

Ion Ratio Lower Upper

65 100

67 53.8 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

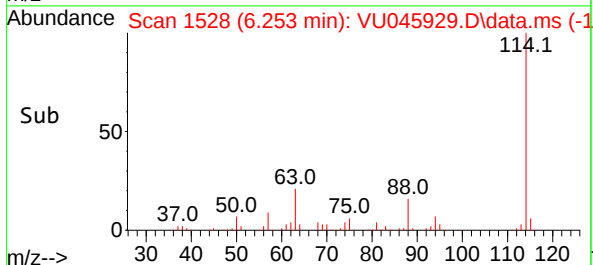
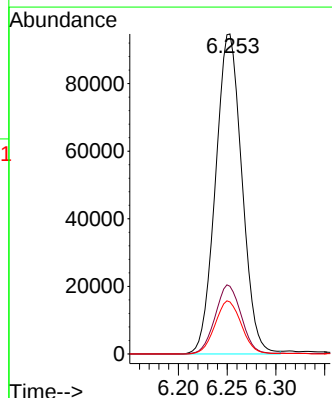
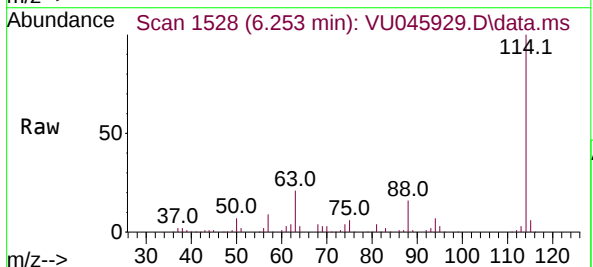
Tgt Ion: 114 Resp: 178460

Ion Ratio Lower Upper

114 100

63 21.1 0.0 45.6

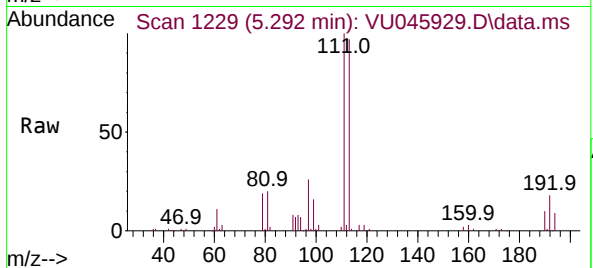
88 16.3 0.0 33.8



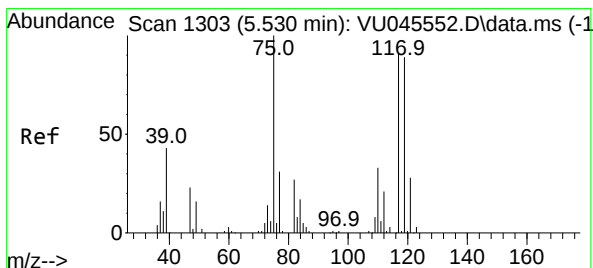
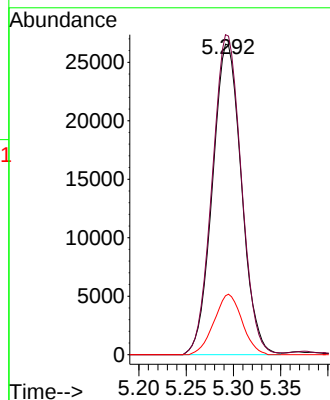
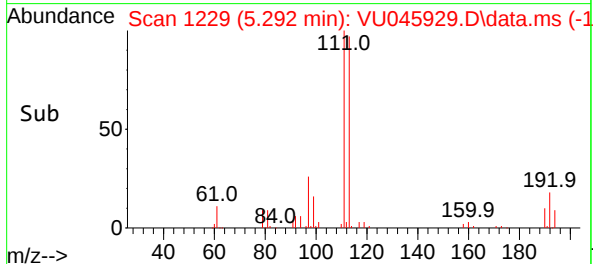


#35  
Dibromofluoromethane  
Concen: 47.475 ug/l  
RT: 5.292 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Instrument :  
MSVOA\_U  
ClientSampleId :

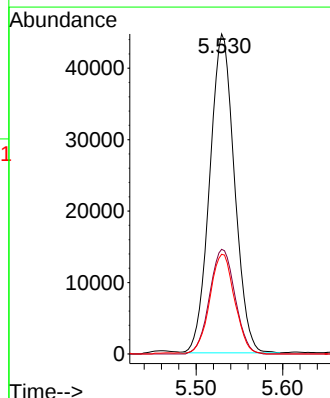
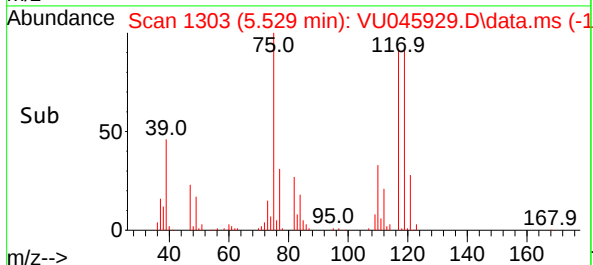
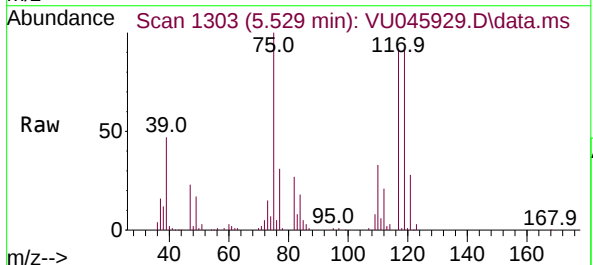


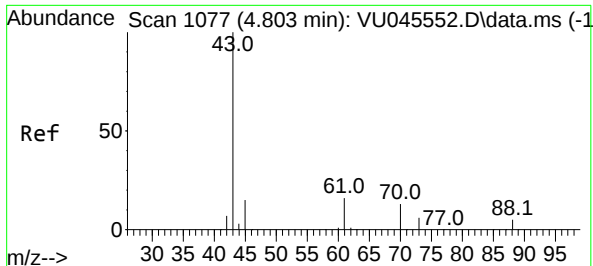
Tgt Ion:113 Resp: 56566  
Ion Ratio Lower Upper  
113 100  
111 103.3 82.8 124.2  
192 18.8 14.8 22.2



#36  
1,1-Dichloropropene  
Concen: 50.940 ug/l  
RT: 5.529 min Scan# 1303  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 75 Resp: 88642  
Ion Ratio Lower Upper  
75 100  
110 33.6 16.7 50.0  
77 31.5 25.0 37.4





#37

Ethyl Acetate

Concen: 54.767 ug/l

RT: 4.809 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

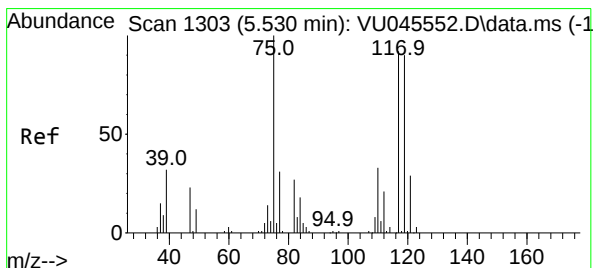
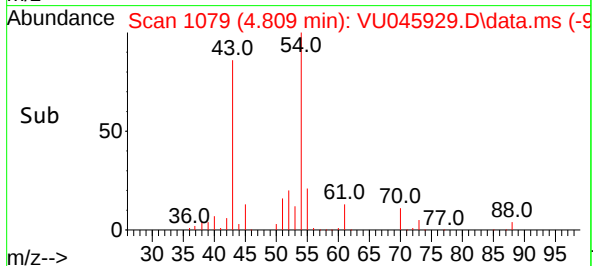
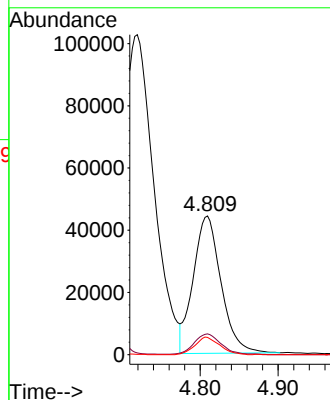
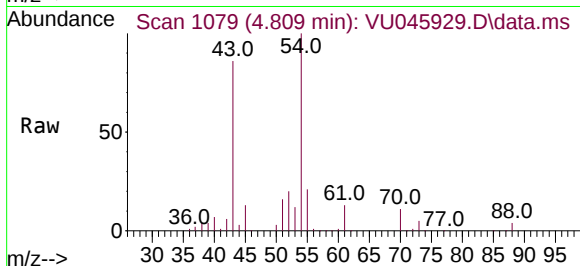
Tgt Ion: 43 Resp: 109473

Ion Ratio Lower Upper

43 100

61 15.0 11.6 17.4

70 11.3 9.1 13.7



#38

Carbon Tetrachloride

Concen: 51.656 ug/l

RT: 5.529 min Scan# 1303

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

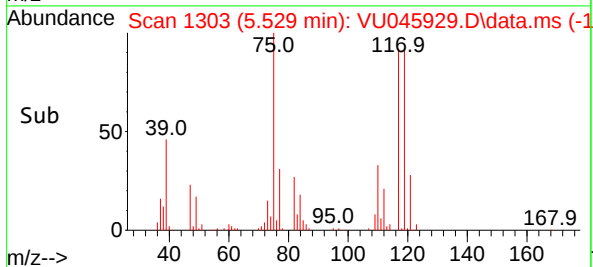
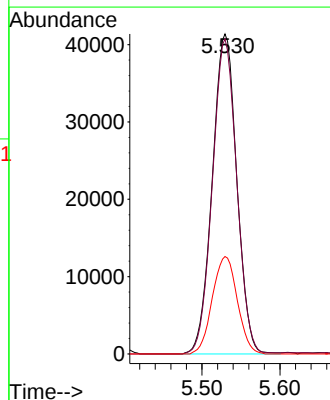
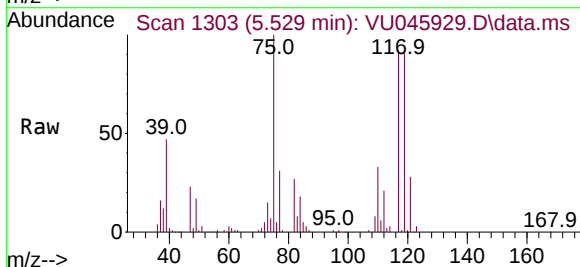
Tgt Ion: 117 Resp: 90622

Ion Ratio Lower Upper

117 100

119 98.5 77.4 116.0

121 30.5 24.8 37.2





#39

Methylcyclohexane

Concen: 48.370 ug/l

RT: 6.767 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

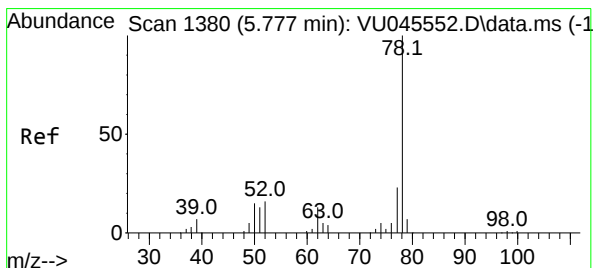
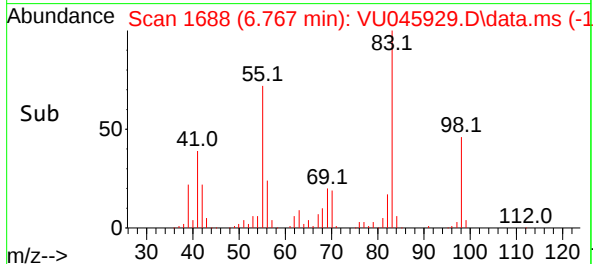
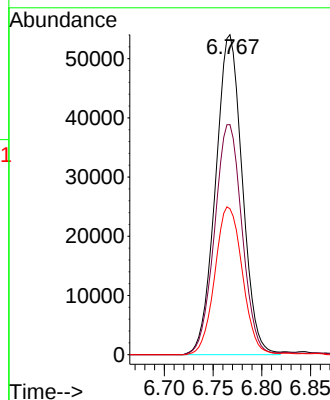
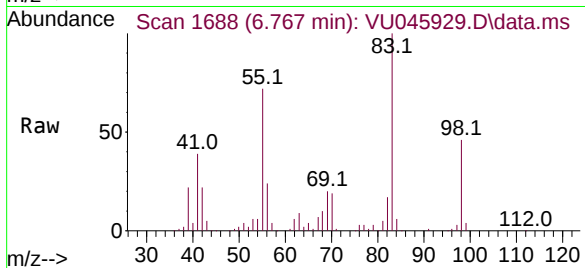
Tgt Ion: 83 Resp: 103260

Ion Ratio Lower Upper

83 100

55 71.9 63.6 95.4

98 45.6 37.1 55.7



#40

Benzene

Concen: 50.473 ug/l

RT: 5.777 min Scan# 1380

Delta R.T. -0.000 min

Lab File: VU045929.D

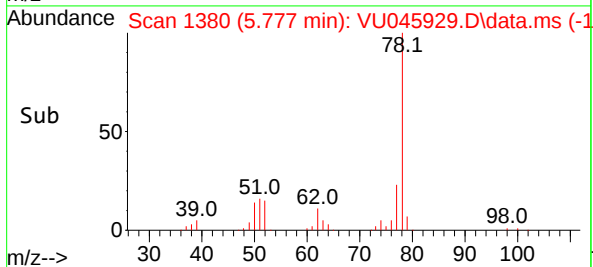
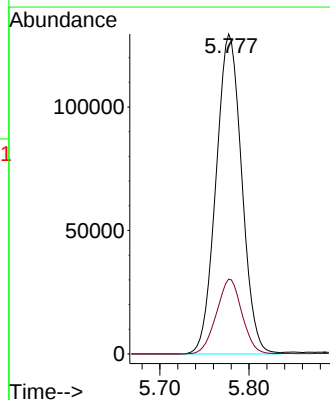
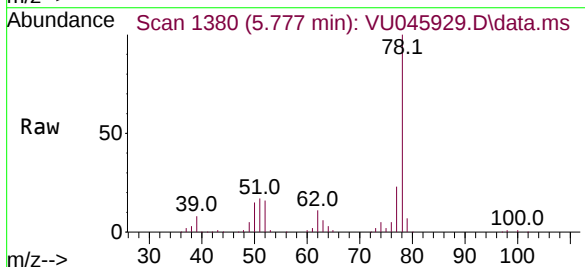
Acq: 22 Nov 2021 20:54

Tgt Ion: 78 Resp: 260029

Ion Ratio Lower Upper

78 100

77 23.4 19.0 28.4



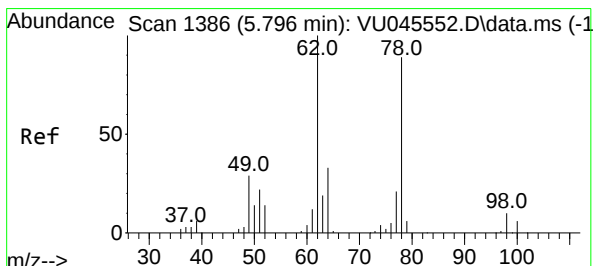
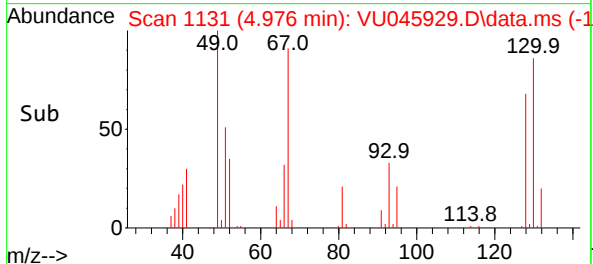
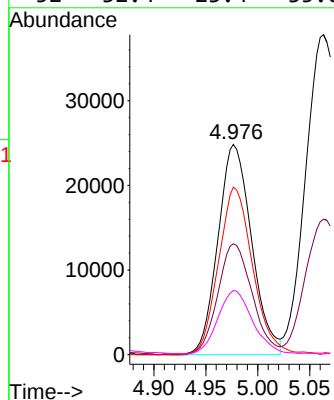
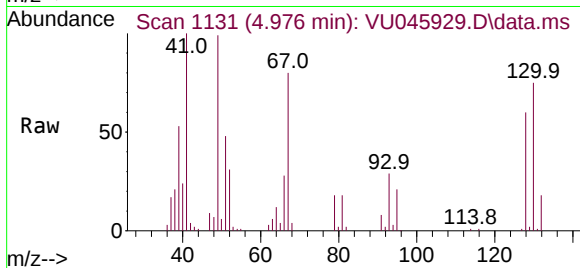


#41  
Methacrylonitrile  
Concen: 53.064 ug/l  
RT: 4.976 min Scan# 1129  
Delta R.T. 0.006 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Instrument :  
MSVOA\_U  
ClientSampleId :

Tgt Ion: 41 Resp: 56054

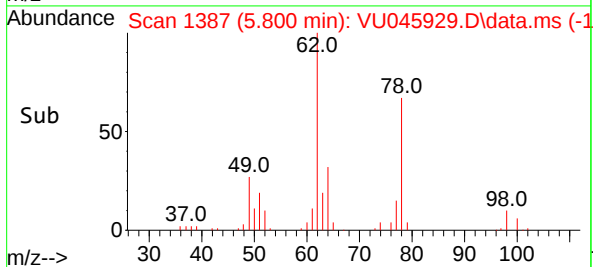
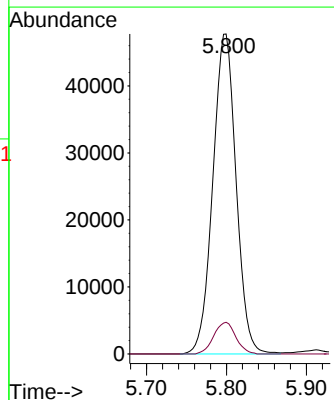
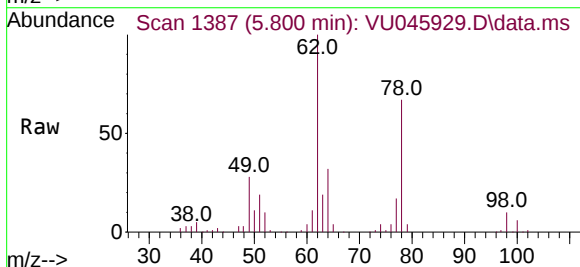
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 53.9  | 43.4  | 65.0  |
| 67  | 81.2  | 61.0  | 91.4  |
| 52  | 32.4  | 23.4  | 35.0  |

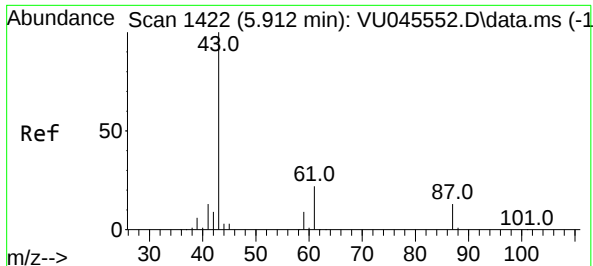


#42  
1,2-Dichloroethane  
Concen: 51.773 ug/l  
RT: 5.800 min Scan# 1387  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 62 Resp: 96345

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 9.4   | 0.0   | 18.4  |





#43

Isopropyl Acetate

Concen: 50.082 ug/l

RT: 5.912 min Scan# 1422

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

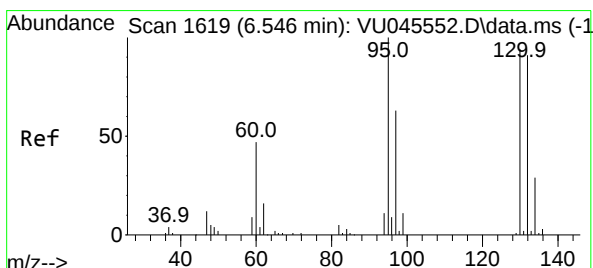
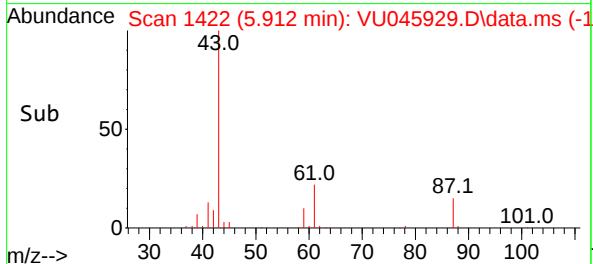
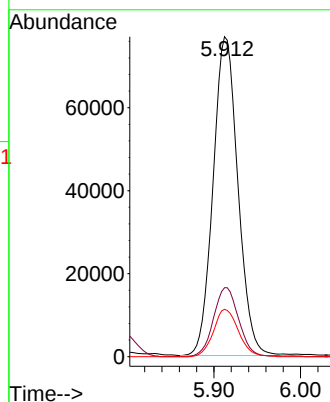
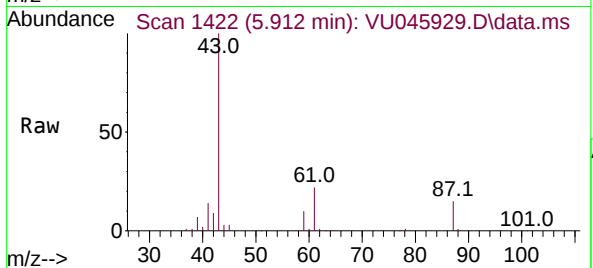
Tgt Ion: 43 Resp: 153119

Ion Ratio Lower Upper

43 100

61 21.9 16.9 25.3

87 15.0 11.0 16.4



#44

Trichloroethene

Concen: 54.691 ug/l

RT: 6.546 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VU045929.D

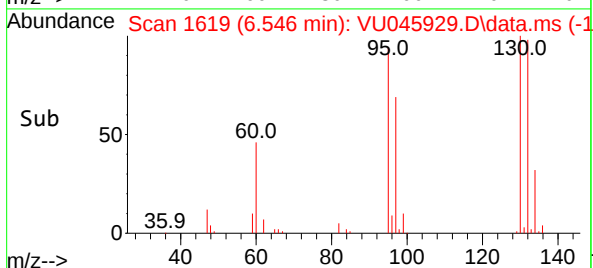
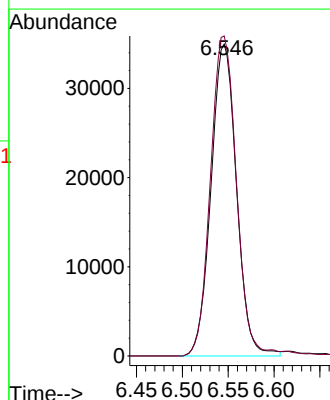
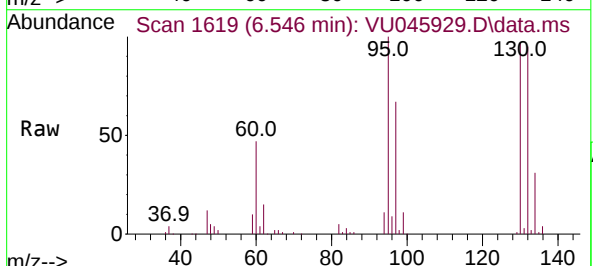
Acq: 22 Nov 2021 20:54

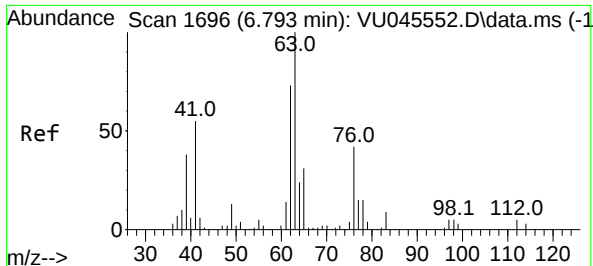
Tgt Ion:130 Resp: 67445

Ion Ratio Lower Upper

130 100

95 102.6 0.0 211.4





#45

1,2-Dichloropropane

Concen: 51.322 ug/l

RT: 6.793 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

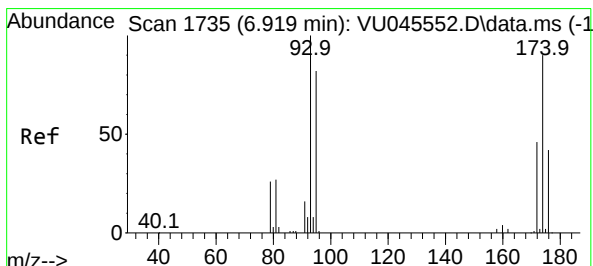
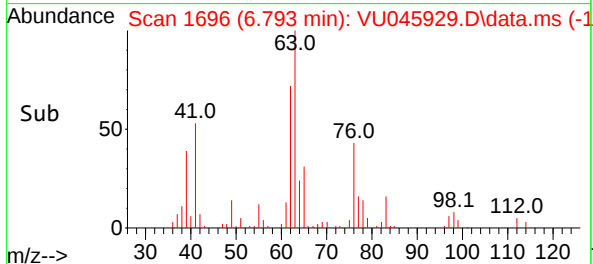
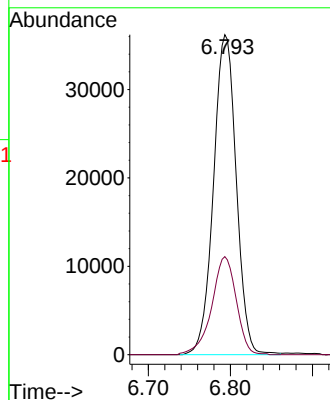
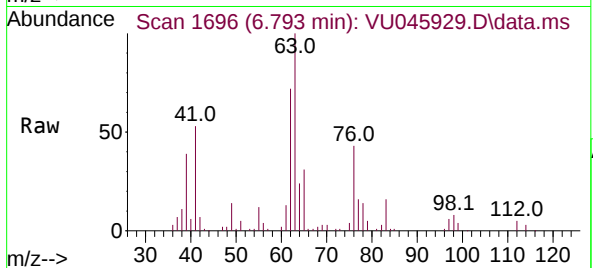
ClientSampleId :

Tgt Ion: 63 Resp: 69961

Ion Ratio Lower Upper

63 100

65 30.7 25.7 38.5



#46

Dibromomethane

Concen: 52.621 ug/l

RT: 6.922 min Scan# 1736

Delta R.T. 0.003 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

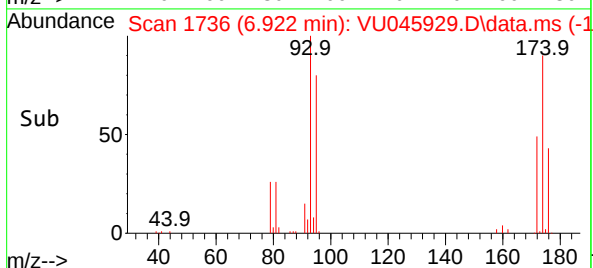
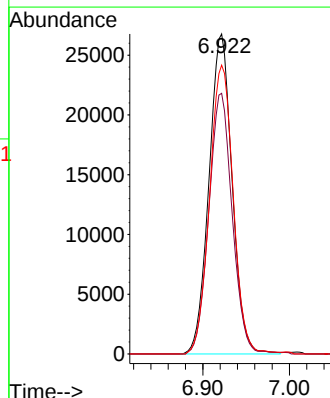
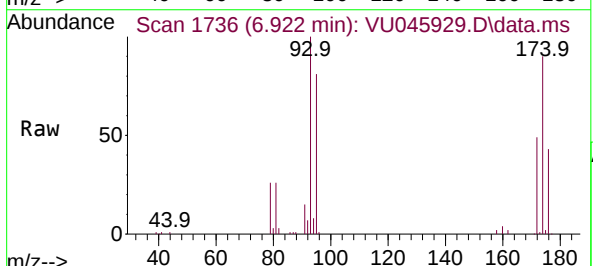
Tgt Ion: 93 Resp: 49702

Ion Ratio Lower Upper

93 100

95 82.4 66.2 99.2

174 92.3 71.0 106.6

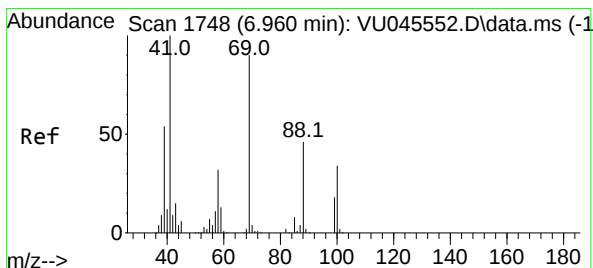
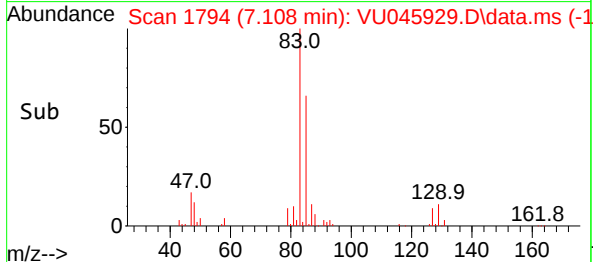
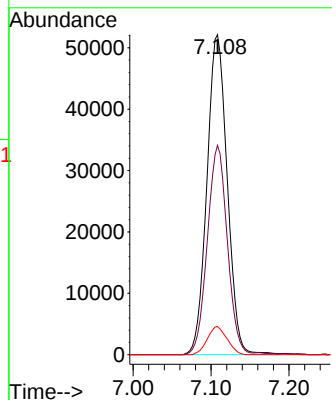
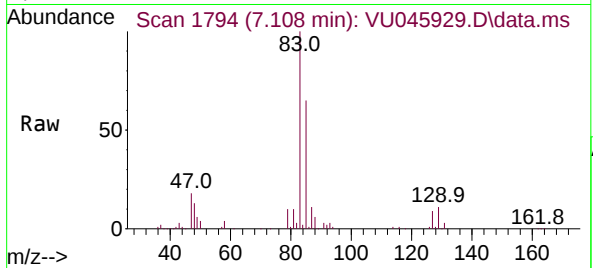




#47  
Bromodichloromethane  
Concen: 52.811 ug/l  
RT: 7.108 min Scan# 1794  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

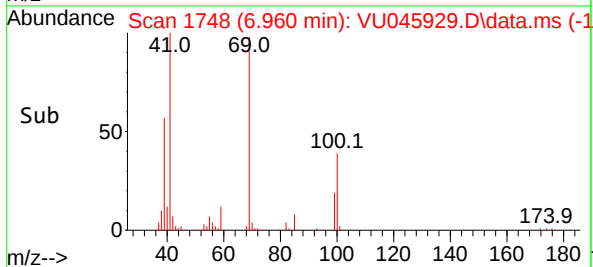
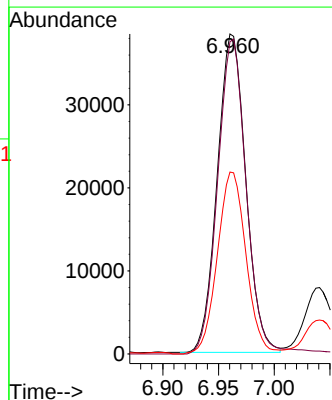
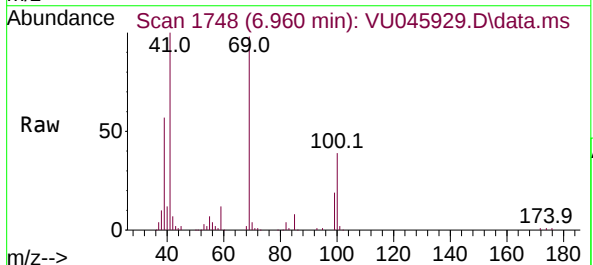
Instrument :  
MSVOA\_U  
ClientSampleId :

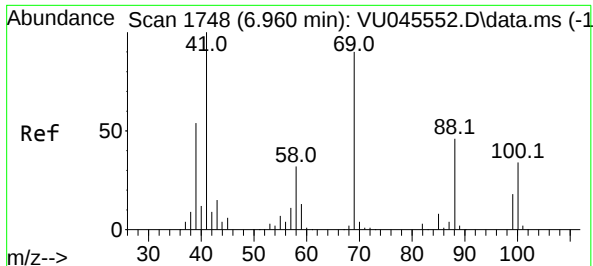
Tgt Ion: 83 Resp: 94647  
Ion Ratio Lower Upper  
83 100  
85 65.4 49.8 74.6  
127 8.8 6.2 9.2



#48  
Methyl methacrylate  
Concen: 48.525 ug/l  
RT: 6.960 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 41 Resp: 68286  
Ion Ratio Lower Upper  
41 100  
69 100.2 70.2 105.2  
39 57.3 43.9 65.9





#49

1,4-Dioxane

Concen: 927.987 ug/l

RT: 7.050 min Scan# 1

Delta R.T. 0.090 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

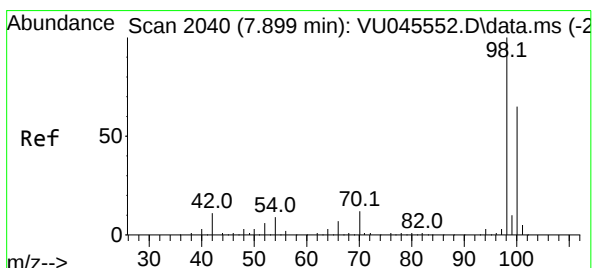
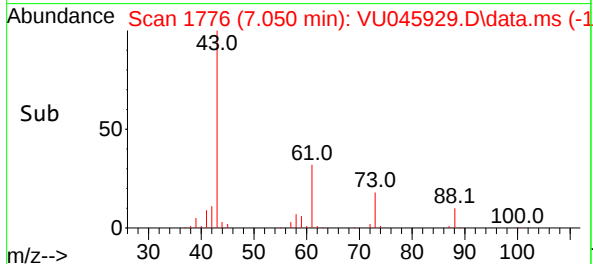
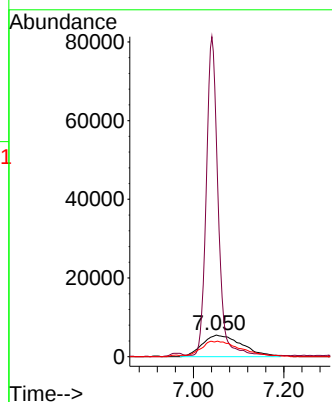
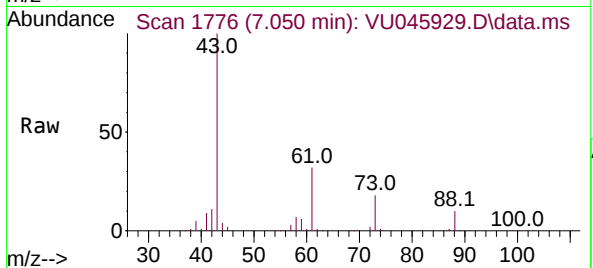
Tgt Ion: 88 Resp: 33583

Ion Ratio Lower Upper

88 100

43 435.9 0.0 0.0#

58 21.6 58.7 88.1#



#50

Toluene-d8

Concen: 48.399 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045929.D

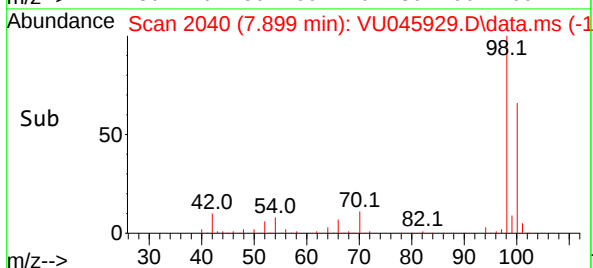
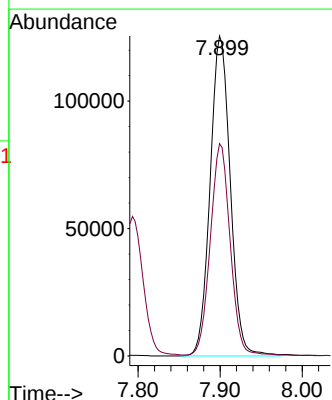
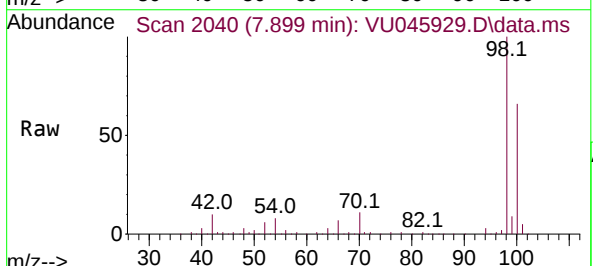
Acq: 22 Nov 2021 20:54

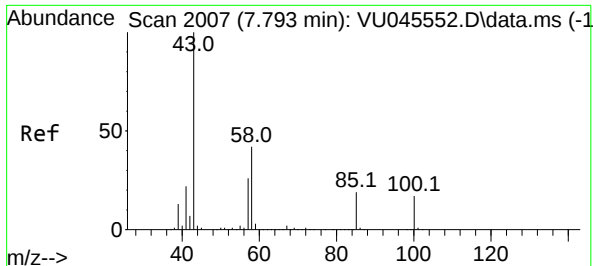
Tgt Ion: 98 Resp: 214433

Ion Ratio Lower Upper

98 100

100 64.9 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 266.538 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

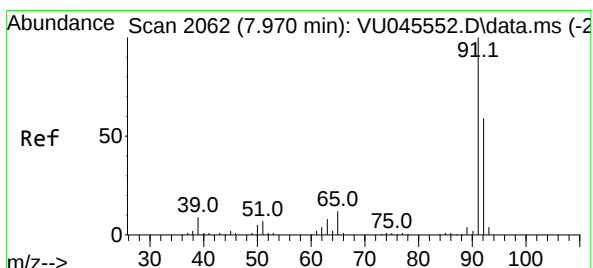
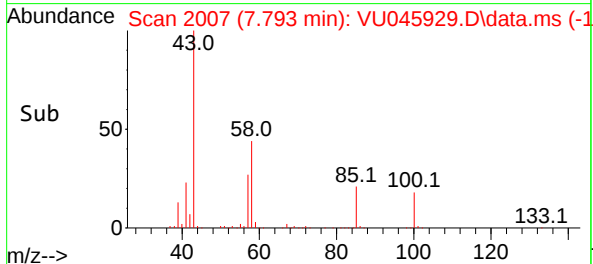
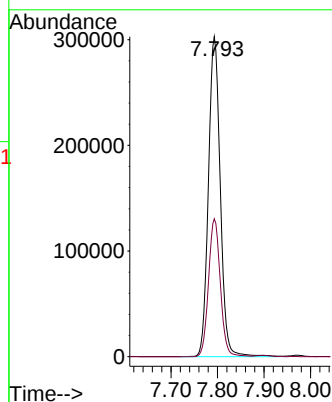
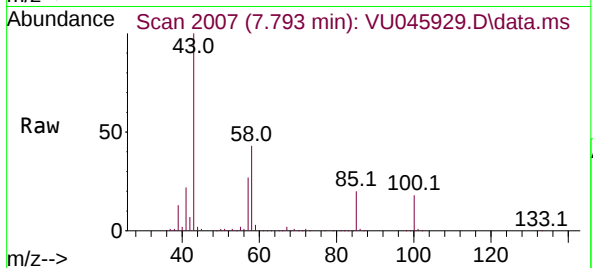
ClientSampleId :

Tgt Ion: 43 Resp: 537562

Ion Ratio Lower Upper

43 100

58 42.9 33.8 50.8



#52

Toluene

Concen: 52.943 ug/l

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU045929.D

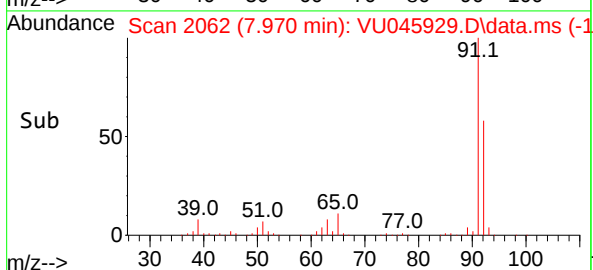
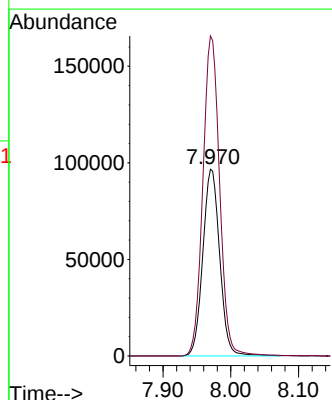
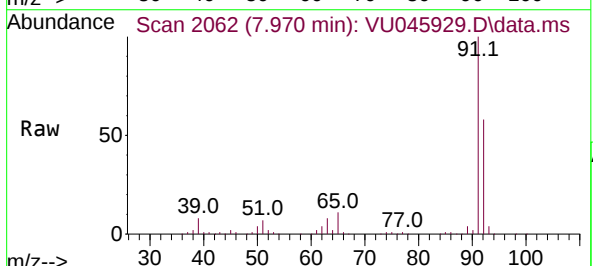
Acq: 22 Nov 2021 20:54

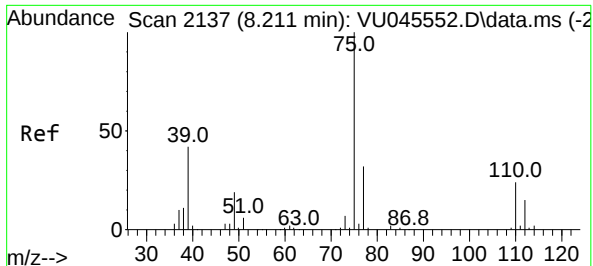
Tgt Ion: 92 Resp: 166987

Ion Ratio Lower Upper

92 100

91 170.6 135.6 203.4





#53

t-1,3-Dichloropropene

Concen: 52.101 ug/l

RT: 8.211 min Scan# 2137

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

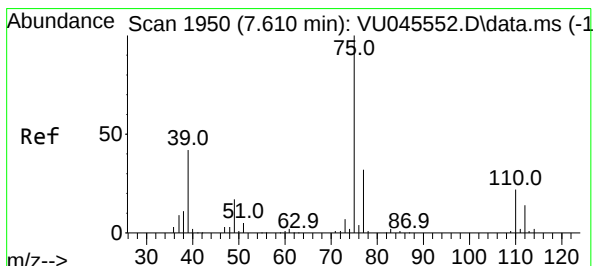
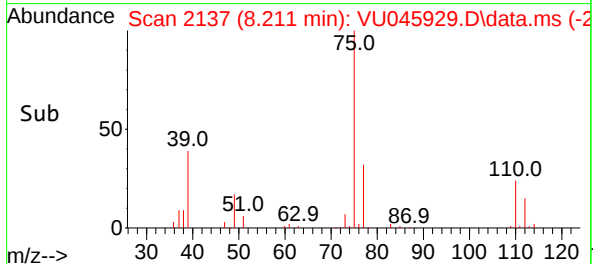
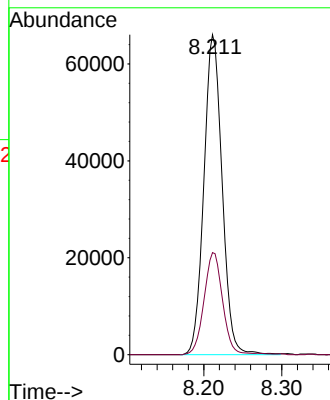
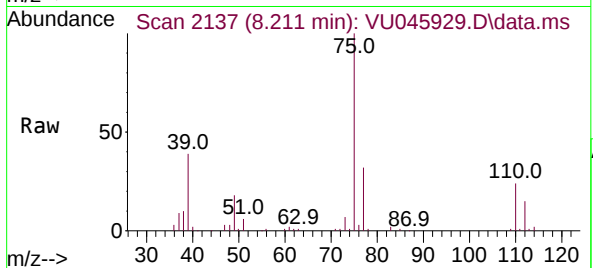
ClientSampleId :

Tgt Ion: 75 Resp: 107313

Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8



#54

cis-1,3-Dichloropropene

Concen: 51.897 ug/l

RT: 7.610 min Scan# 1950

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

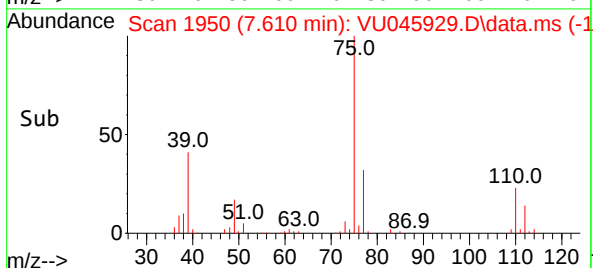
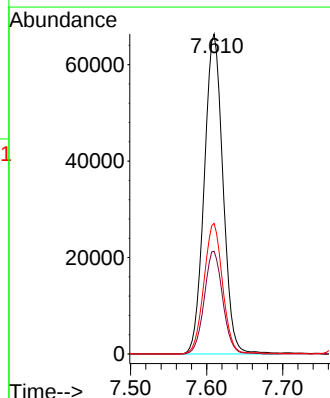
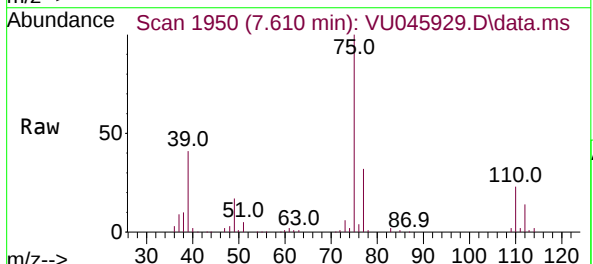
Tgt Ion: 75 Resp: 113536

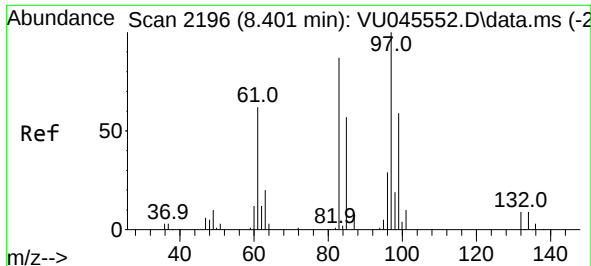
Ion Ratio Lower Upper

75 100

77 32.1 24.6 37.0

39 40.8 37.1 55.7

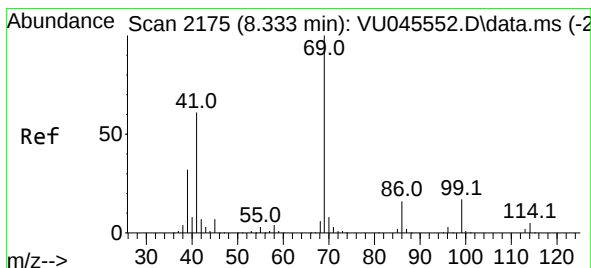
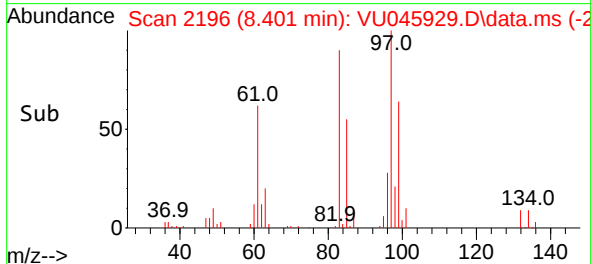
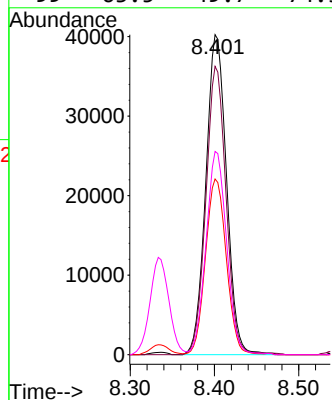
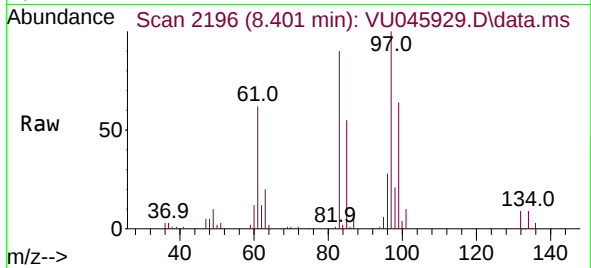




#55  
 1,1,2-Trichloroethane  
 Concen: 52.672 ug/l  
 RT: 8.401 min Scan# 2196  
 Delta R.T. -0.000 min  
 Lab File: VU045929.D  
 Acq: 22 Nov 2021 20:54

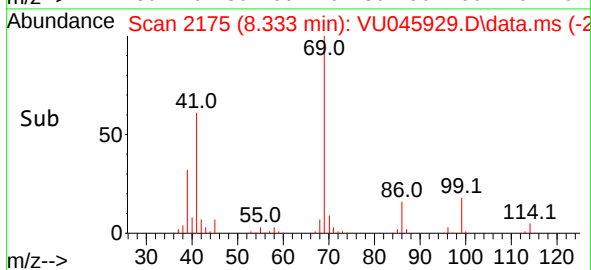
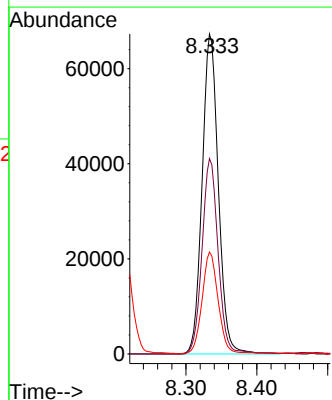
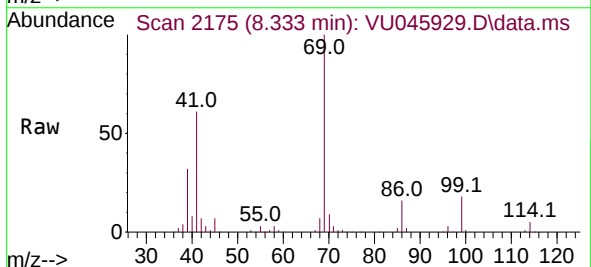
Instrument :  
 MSVOA\_U  
 ClientSampleId :

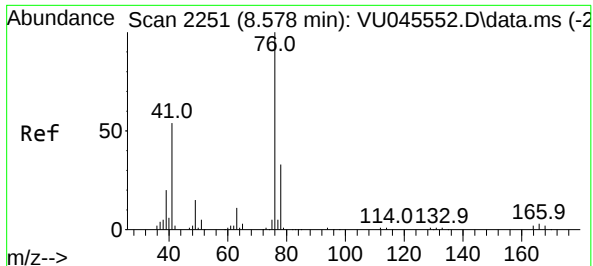
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 68854 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.1  | 70.3  | 105.5 |
| 85       | 54.9  | 45.5  | 68.3  |
| 99       | 63.5  | 49.7  | 74.5  |



#56  
 Ethyl methacrylate  
 Concen: 45.825 ug/l  
 RT: 8.333 min Scan# 2175  
 Delta R.T. 0.000 min  
 Lab File: VU045929.D  
 Acq: 22 Nov 2021 20:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 106947 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 60.3  | 51.0  | 76.4   |
| 39       | 31.7  | 26.6  | 39.8   |





#57

1,3-Dichloropropane

Concen: 51.224 ug/l

RT: 8.578 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

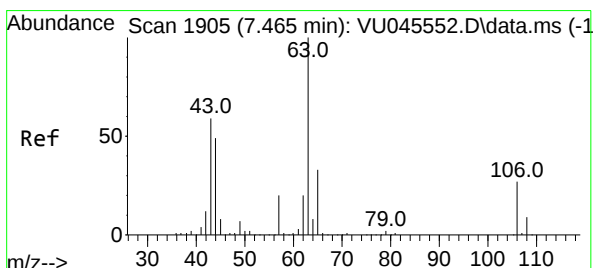
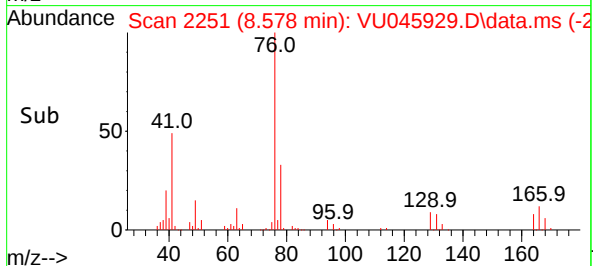
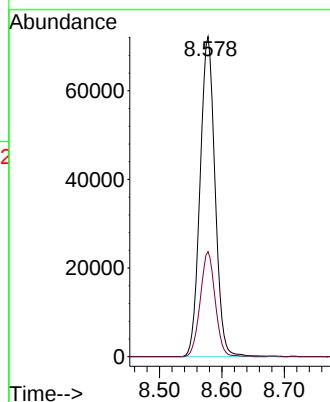
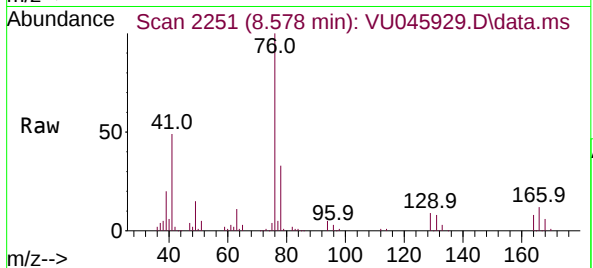
ClientSampleId :

Tgt Ion: 76 Resp: 120604

Ion Ratio Lower Upper

76 100

78 32.8 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 228.382 ug/l

RT: 7.465 min Scan# 1905

Delta R.T. -0.000 min

Lab File: VU045929.D

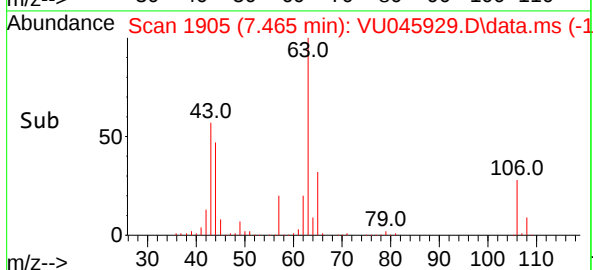
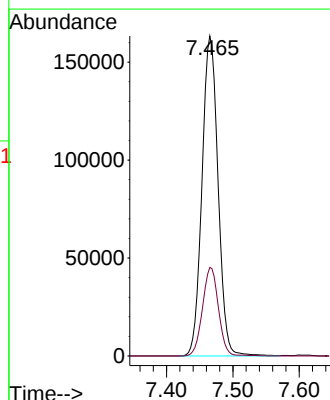
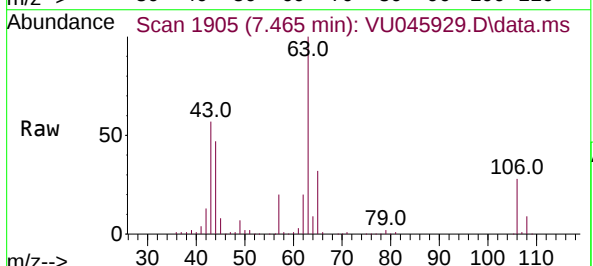
Acq: 22 Nov 2021 20:54

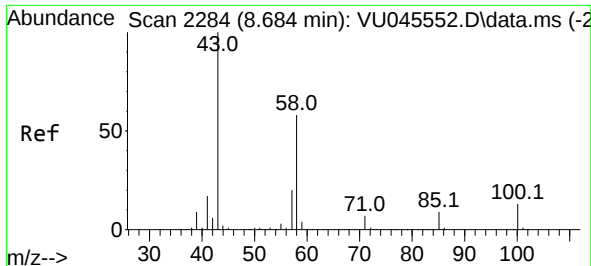
Tgt Ion: 63 Resp: 274850

Ion Ratio Lower Upper

63 100

106 27.4 21.0 31.4

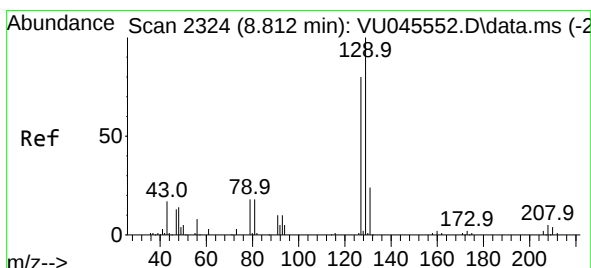
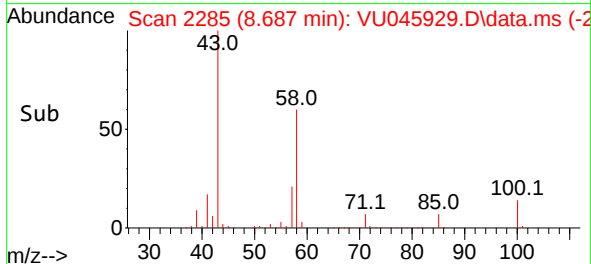
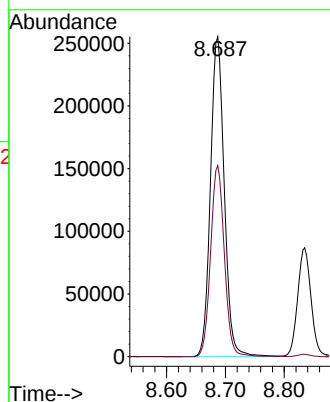
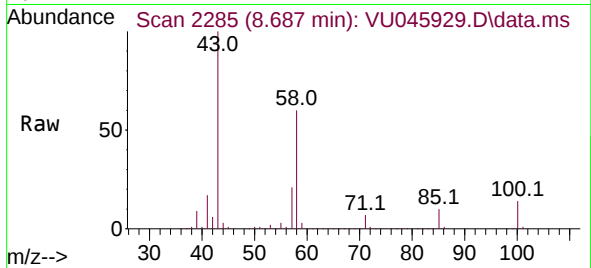




#59  
2-Hexanone  
Concen: 237.592 ug/l  
RT: 8.687 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

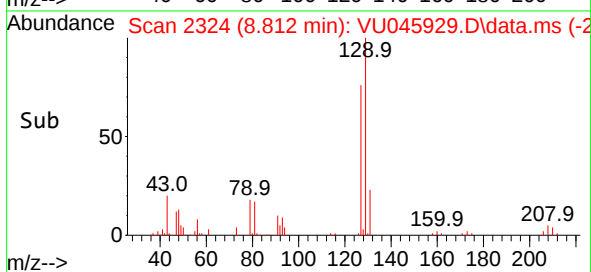
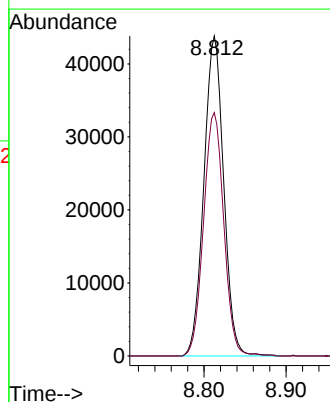
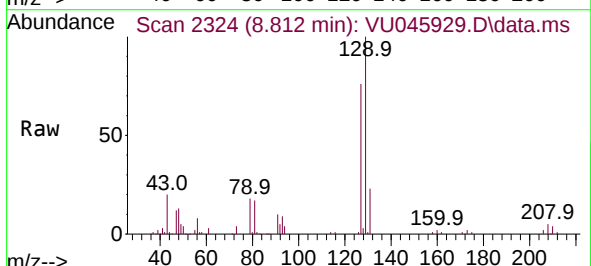
Instrument :  
MSVOA\_U  
ClientSampleId :

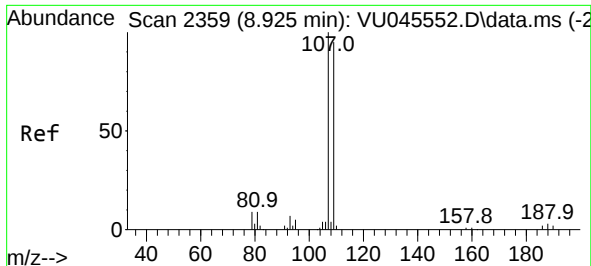
Tgt Ion: 43 Resp: 416276  
Ion Ratio Lower Upper  
43 100  
58 59.5 29.5 88.6



#60  
Dibromochloromethane  
Concen: 53.943 ug/l  
RT: 8.812 min Scan# 2324  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion:129 Resp: 73427  
Ion Ratio Lower Upper  
129 100  
127 77.7 38.5 115.3

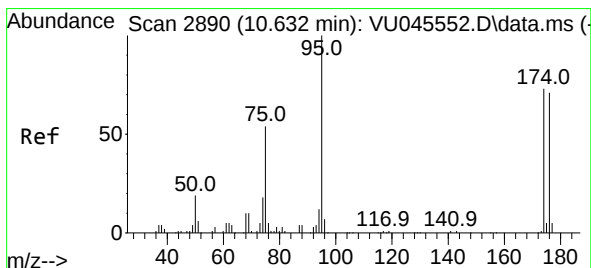
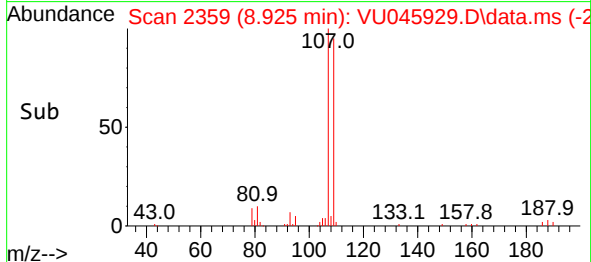
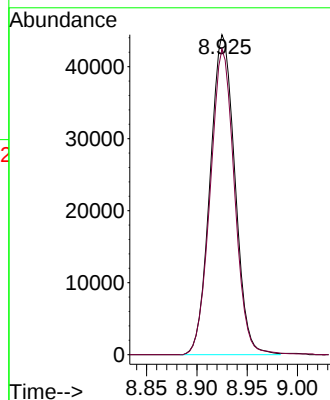
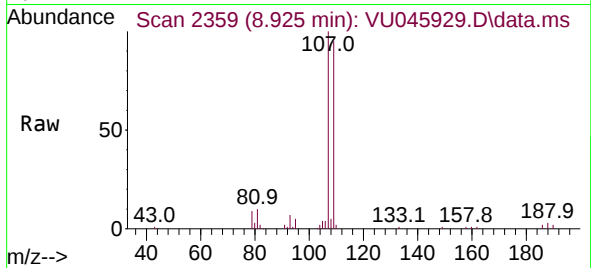




#61  
1,2-Dibromoethane  
Concen: 54.249 ug/l  
RT: 8.925 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

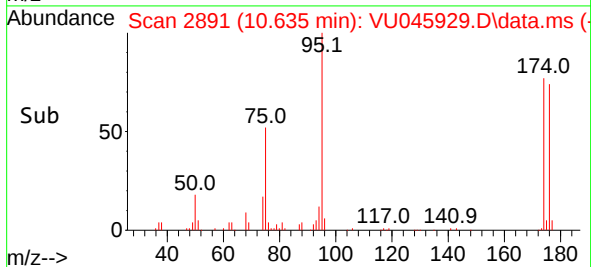
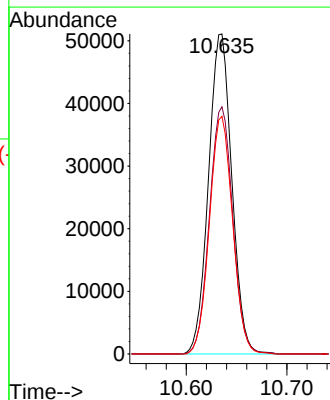
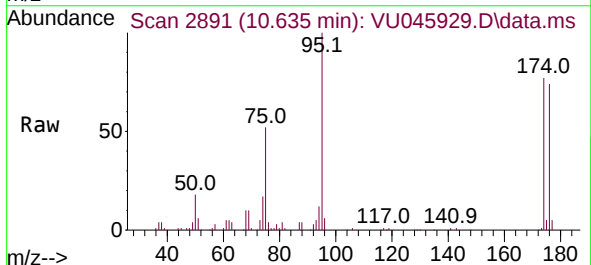
Instrument :  
MSVOA\_U  
ClientSampleId :

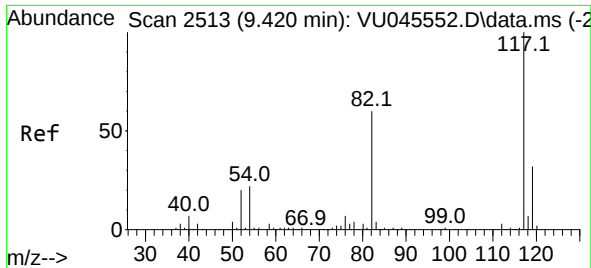
Tgt Ion:107 Resp: 76058  
Ion Ratio Lower Upper  
107 100  
109 93.4 75.8 113.8



#62  
4-Bromofluorobenzene  
Concen: 46.424 ug/l  
RT: 10.635 min Scan# 2891  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 95 Resp: 82477  
Ion Ratio Lower Upper  
95 100  
174 77.2 0.0 141.8  
176 73.9 0.0 138.2

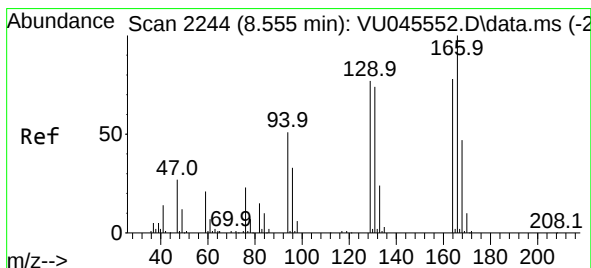
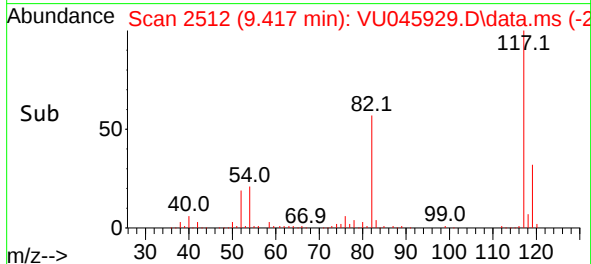
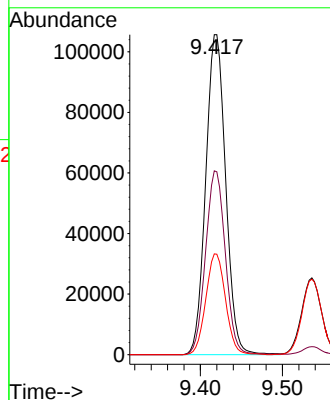
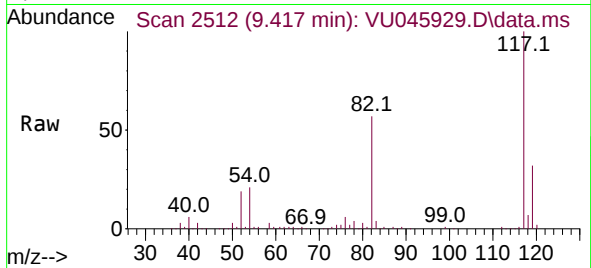




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 9.417 min Scan# 21  
Delta R.T. -0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

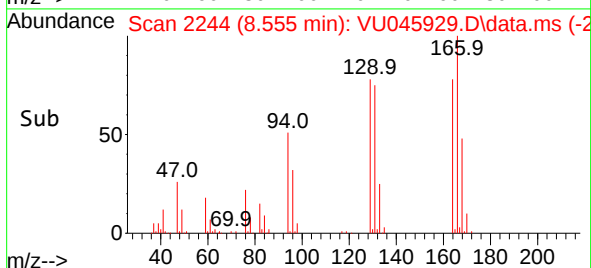
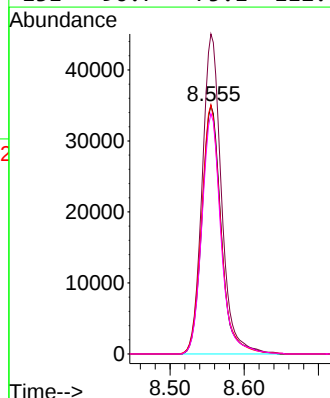
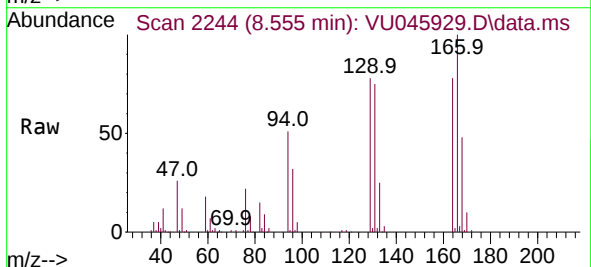
Instrument :  
MSVOA\_U  
ClientSampleId :

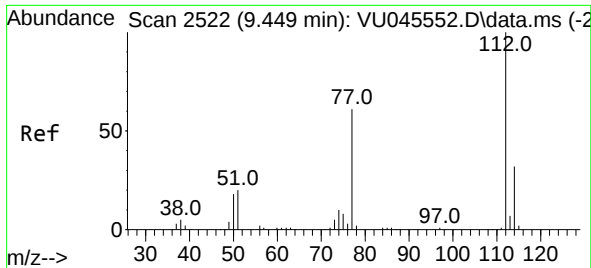
Tgt Ion:117 Resp: 178371  
Ion Ratio Lower Upper  
117 100  
82 57.5 47.8 71.8  
119 31.5 25.8 38.8



#64  
Tetrachloroethene  
Concen: 61.499 ug/l  
RT: 8.555 min Scan# 2244  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion:164 Resp: 62961  
Ion Ratio Lower Upper  
164 100  
166 128.8 102.2 153.4  
129 100.2 78.2 117.4  
131 96.7 75.1 112.7

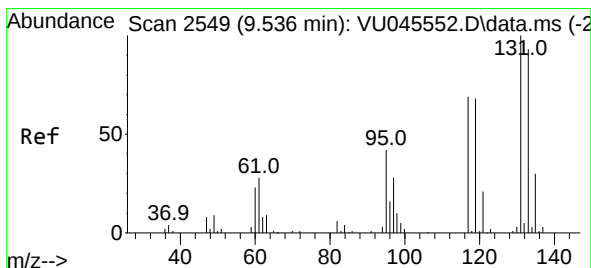
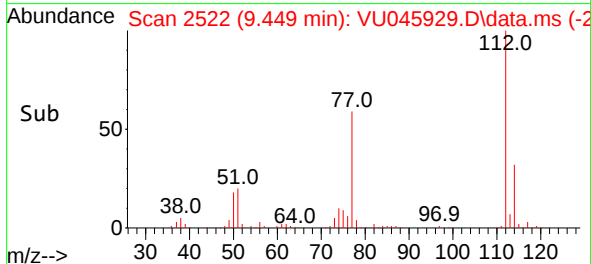
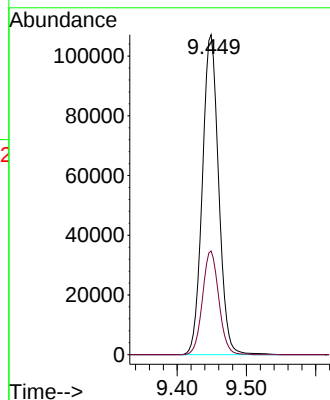
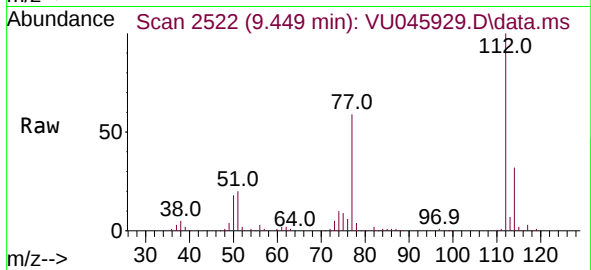




#65  
Chlorobenzene  
Concen: 50.010 ug/l  
RT: 9.449 min Scan# 2522  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

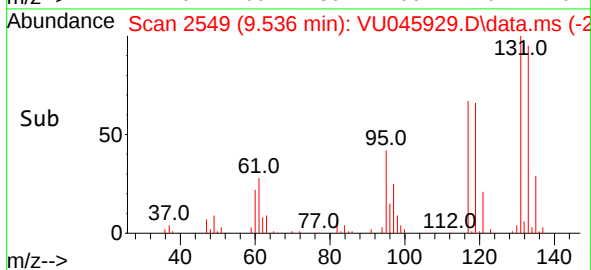
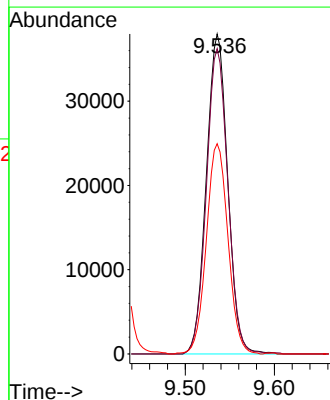
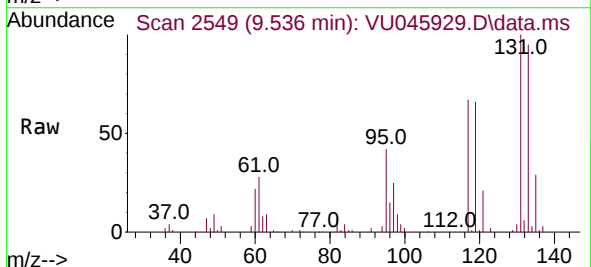
Instrument :  
MSVOA\_U  
ClientSampleId :

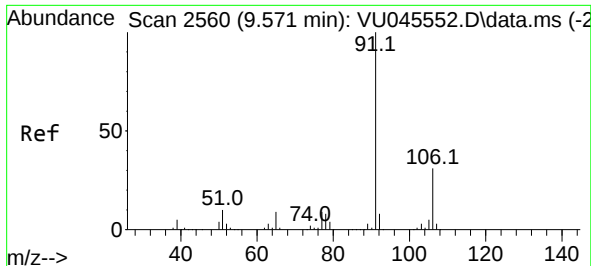
Tgt Ion:112 Resp: 175217  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.7 38.5



#66  
1,1,1,2-Tetrachloroethane  
Concen: 50.575 ug/l  
RT: 9.536 min Scan# 2549  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion:131 Resp: 63198  
Ion Ratio Lower Upper  
131 100  
133 95.8 47.9 143.6  
119 66.5 34.5 103.6





#67

Ethyl Benzene

Concen: 51.380 ug/l

RT: 9.571 min Scan# 2560

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

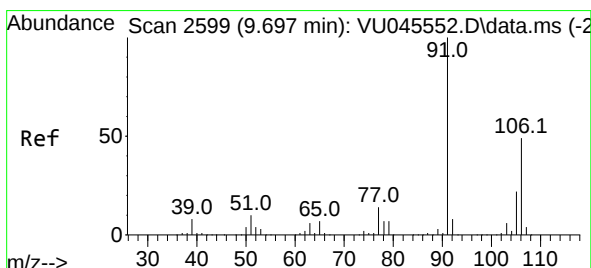
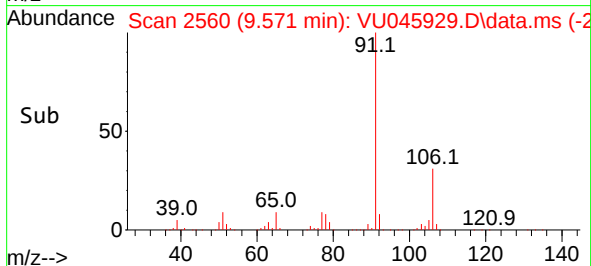
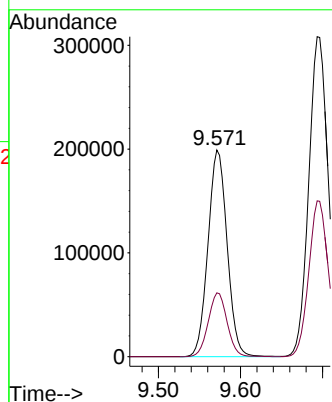
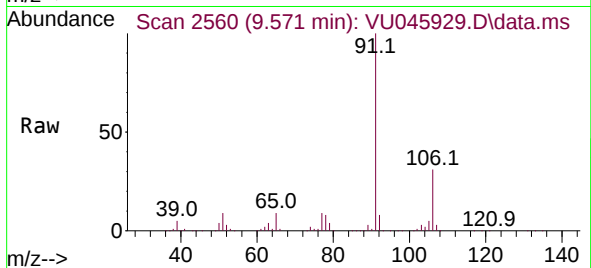
ClientSampleId :

Tgt Ion: 91 Resp: 322377

Ion Ratio Lower Upper

91 100

106 30.9 24.6 36.8



#68

m/p-Xylenes

Concen: 106.028 ug/l

RT: 9.693 min Scan# 2598

Delta R.T. -0.003 min

Lab File: VU045929.D

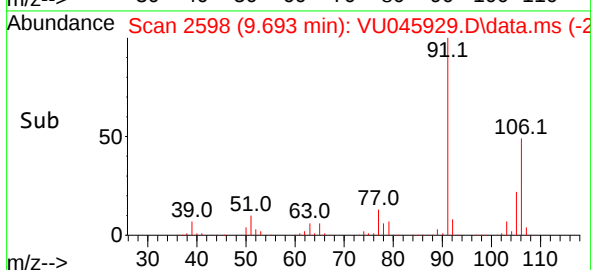
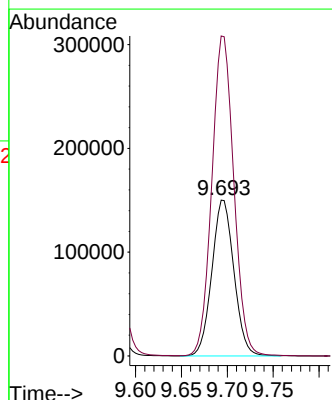
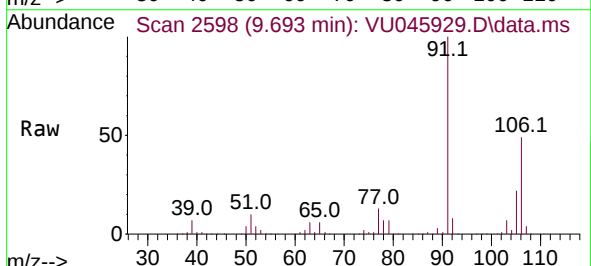
Acq: 22 Nov 2021 20:54

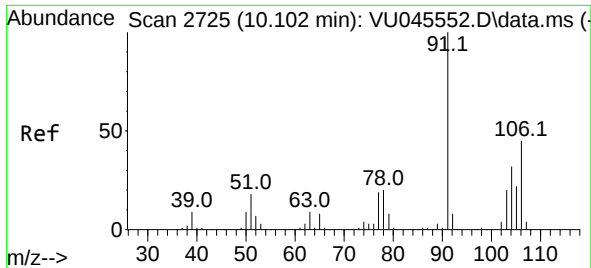
Tgt Ion:106 Resp: 250893

Ion Ratio Lower Upper

106 100

91 205.1 164.7 247.1

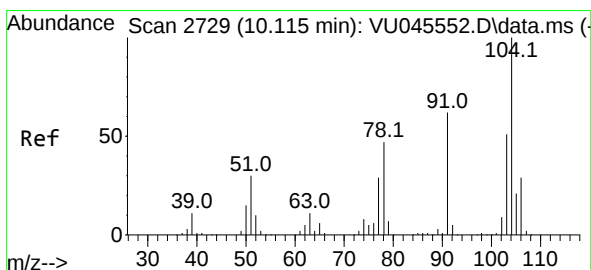
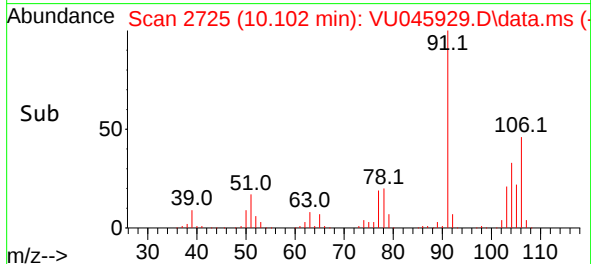
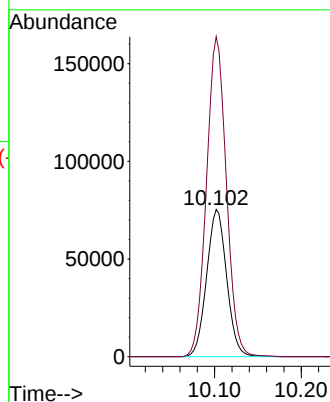
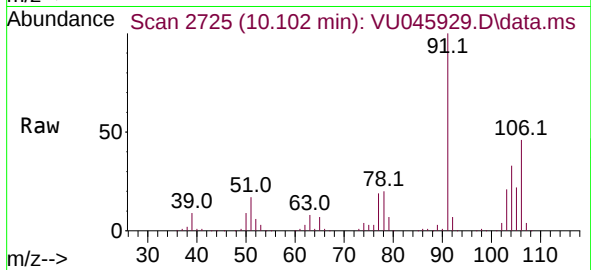




#69  
o-Xylene  
Concen: 52.653 ug/l  
RT: 10.102 min Scan# 2725  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

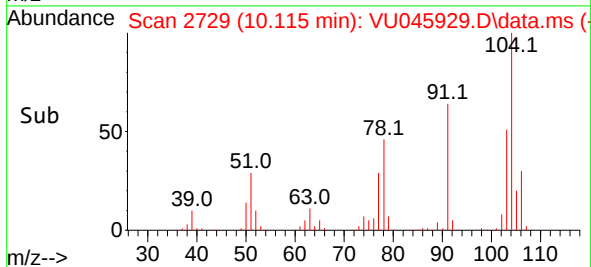
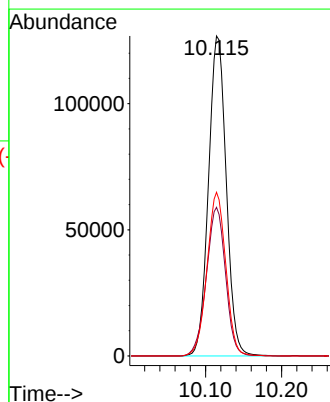
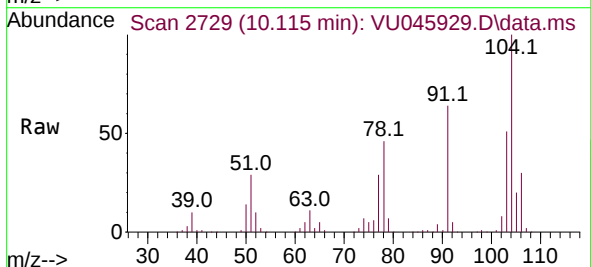
Instrument :  
MSVOA\_U  
ClientSampleId :

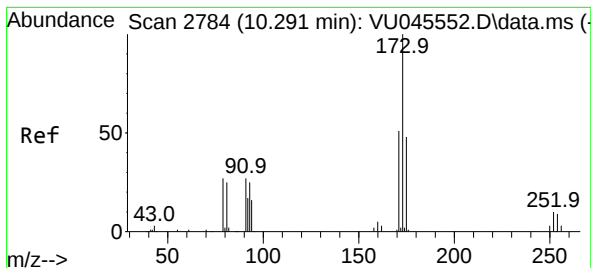
Tgt Ion:106 Resp: 121130  
Ion Ratio Lower Upper  
106 100  
91 215.8 108.7 326.3



#70  
Styrene  
Concen: 52.902 ug/l  
RT: 10.115 min Scan# 2729  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion:104 Resp: 205893  
Ion Ratio Lower Upper  
104 100  
78 50.1 41.8 62.6  
103 54.1 43.8 65.6





#71

Bromoform

Concen: 47.317 ug/l

RT: 10.291 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU045929.D

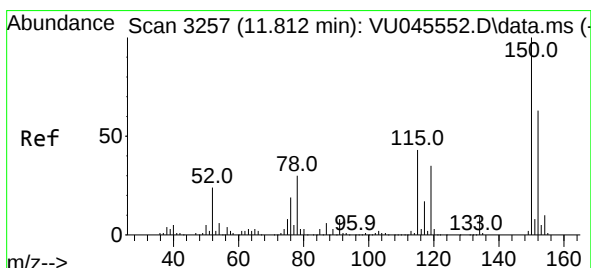
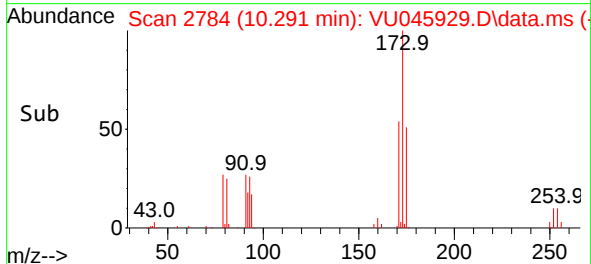
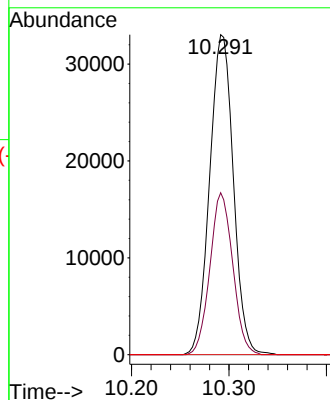
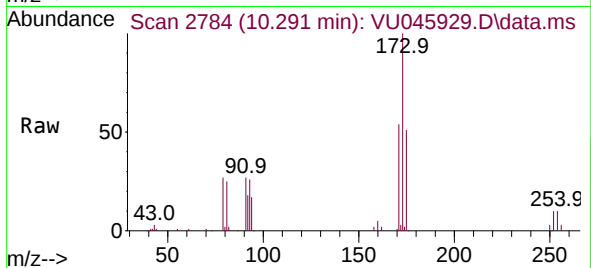
Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 55754     |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 48.7  | 24.1 72.2 |
| 254         | 0.0   | 0.0 0.0   |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

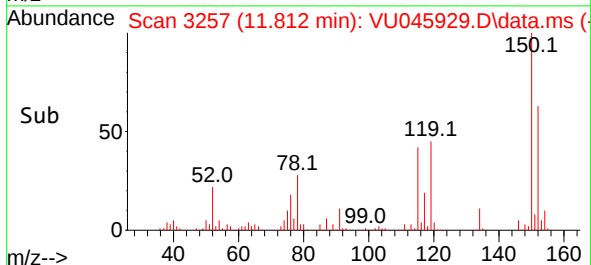
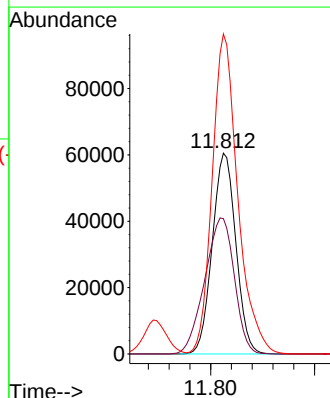
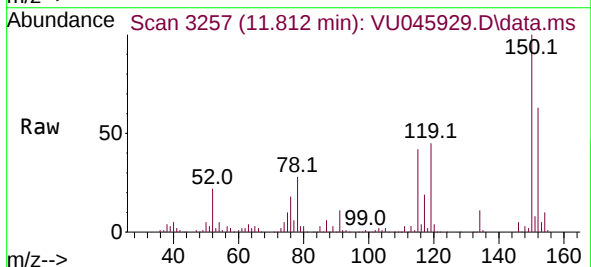
RT: 11.812 min Scan# 3257

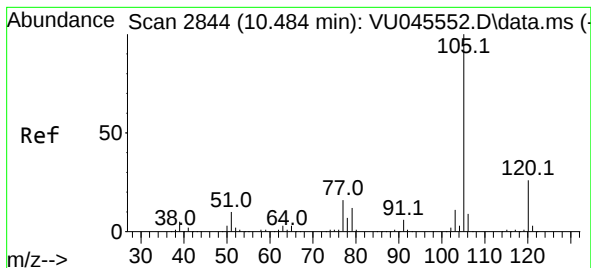
Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:152 | Resp: | 95238      |
| Ion Ratio   | Lower | Upper      |
| 152         | 100   |            |
| 115         | 85.0  | 42.7 128.1 |
| 150         | 172.9 | 0.0 346.8  |





#73

Isopropylbenzene

Concen: 51.479 ug/l

RT: 10.488 min Scan# 2844

Delta R.T. 0.003 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

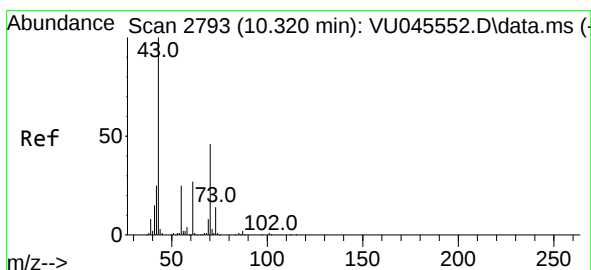
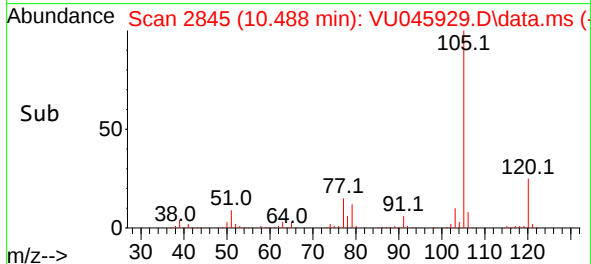
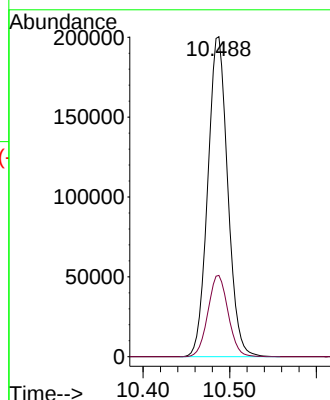
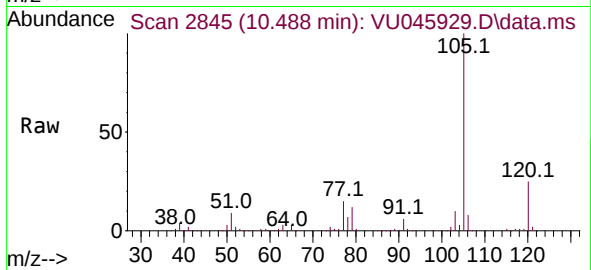
ClientSampleId :

Tgt Ion:105 Resp: 320341

Ion Ratio Lower Upper

105 100

120 25.7 12.9 38.6



#74

N-ethyl acetate

Concen: 44.212 ug/l

RT: 10.320 min Scan# 2793

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Tgt Ion: 43 Resp: 124114

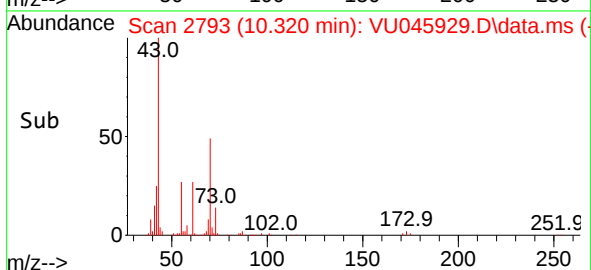
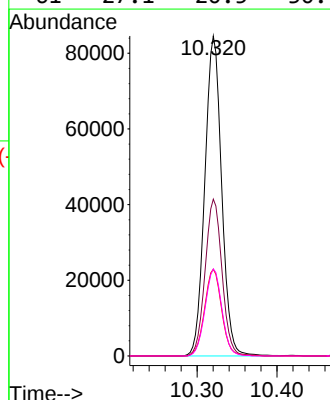
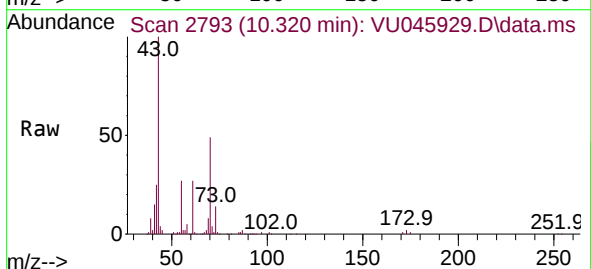
Ion Ratio Lower Upper

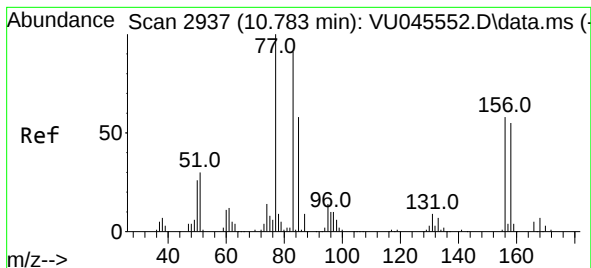
43 100

70 49.2 36.9 55.3

55 27.5 20.6 31.0

61 27.1 20.5 30.7

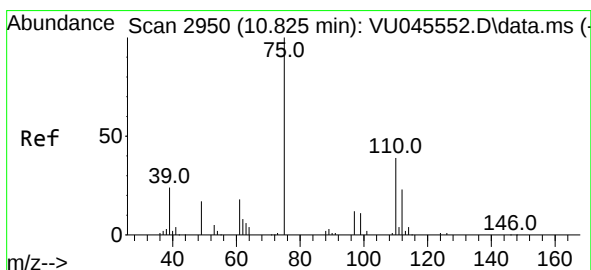
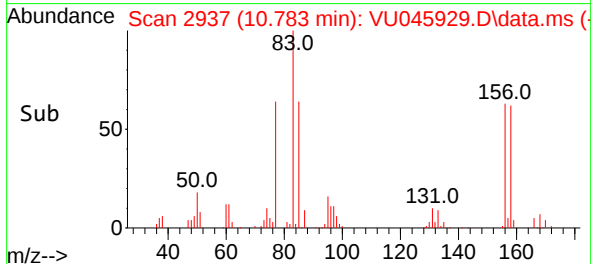
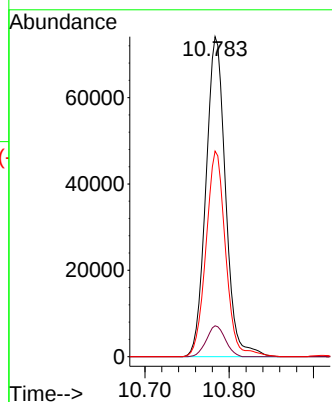
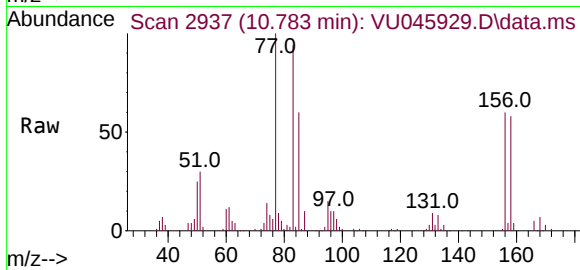




#75  
1,1,2,2-Tetrachloroethane  
Concen: 48.598 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

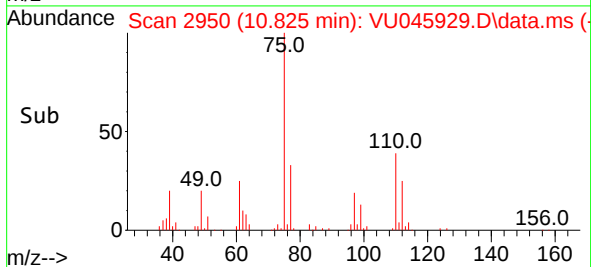
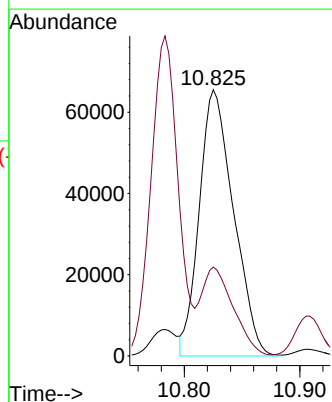
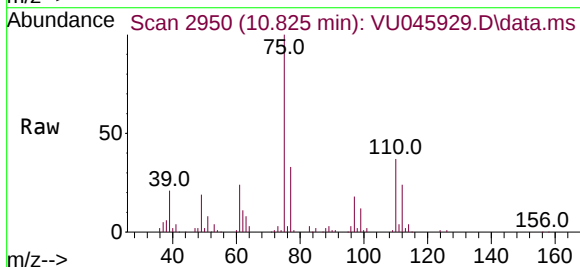
Instrument :  
MSVOA\_U  
ClientSampleId :

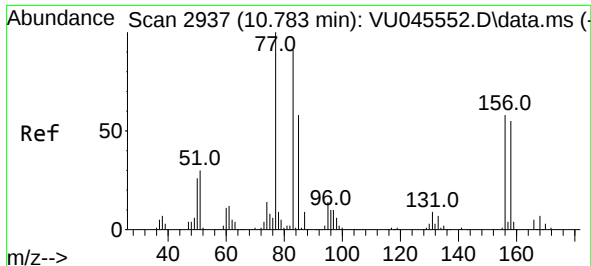
Tgt Ion: 83 Resp: 119815  
Ion Ratio Lower Upper  
83 100  
131 9.3 4.4 13.2  
85 64.4 31.9 95.9



#76  
1,2,3-Trichloropropane  
Concen: 46.811 ug/l  
RT: 10.825 min Scan# 2950  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 75 Resp: 135198  
Ion Ratio Lower Upper  
75 100  
77 31.0 17.1 51.3

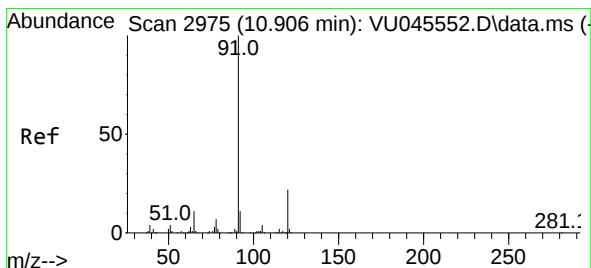
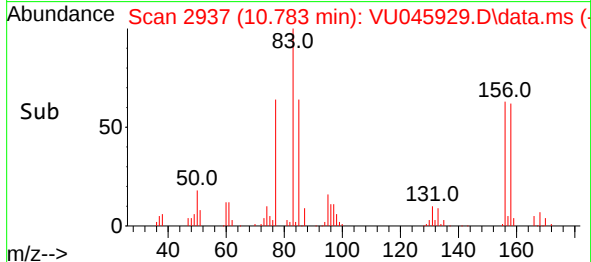
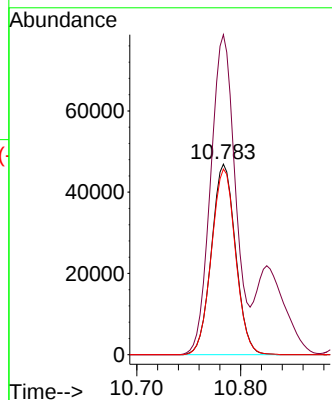
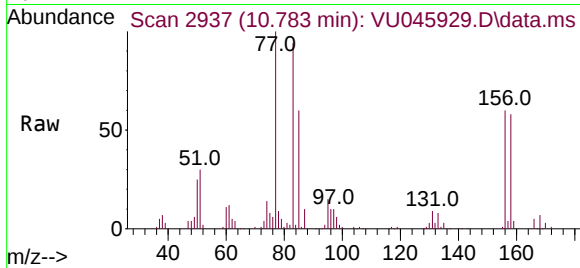




#77  
Bromobenzene  
Concen: 50.030 ug/l  
RT: 10.783 min Scan# 2937  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

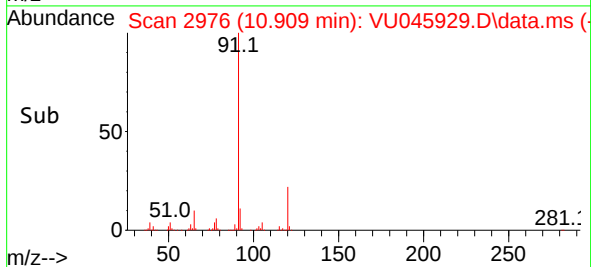
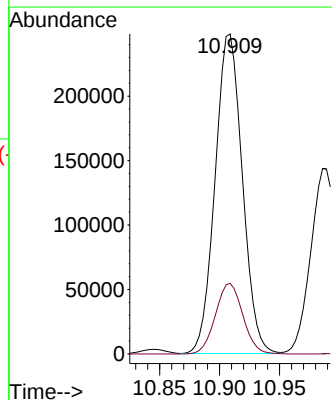
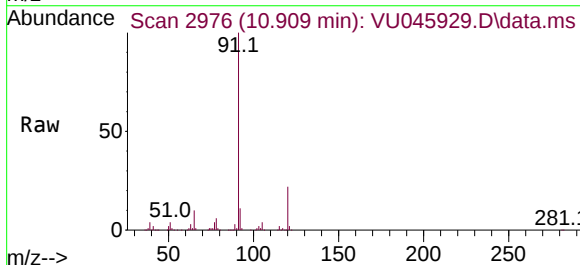
Instrument :  
MSVOA\_U  
ClientSampleId :

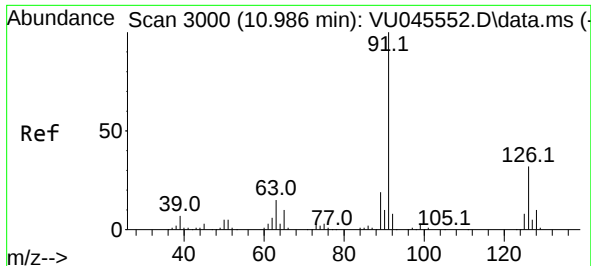
Tgt Ion:156 Resp: 75588  
Ion Ratio Lower Upper  
156 100  
77 171.9 91.1 273.4  
158 97.8 47.9 143.6



#78  
n-propylbenzene  
Concen: 50.523 ug/l  
RT: 10.909 min Scan# 2976  
Delta R.T. 0.003 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 91 Resp: 391293  
Ion Ratio Lower Upper  
91 100  
120 22.2 10.9 32.7





#79

2-Chlorotoluene

Concen: 49.899 ug/l

RT: 10.986 min Scan# 3000

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

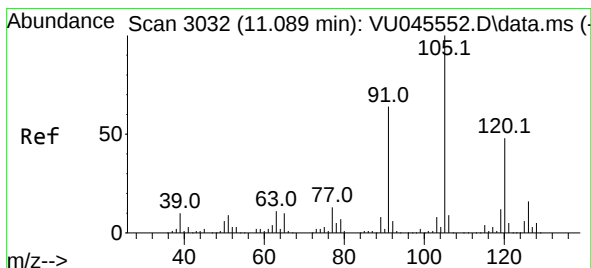
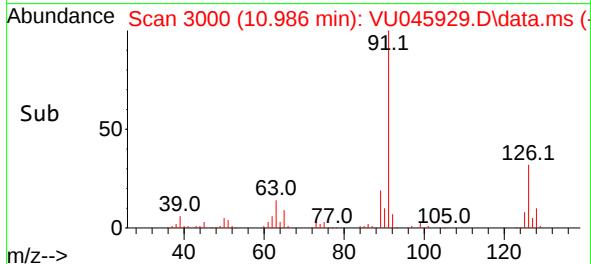
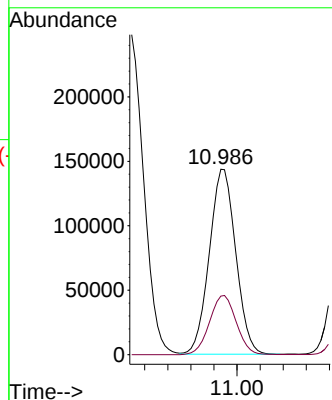
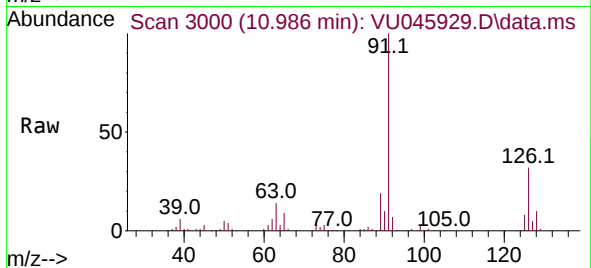
ClientSampleId :

Tgt Ion: 91 Resp: 228325

Ion Ratio Lower Upper

91 100

126 32.3 15.6 46.8



#80

1,3,5-Trimethylbenzene

Concen: 51.074 ug/l

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU045929.D

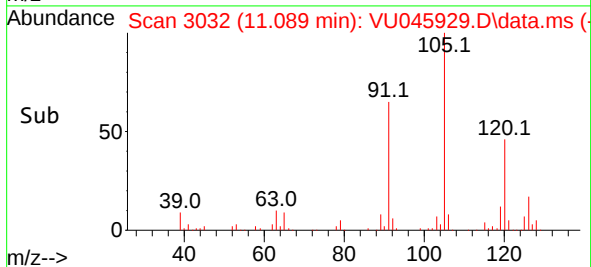
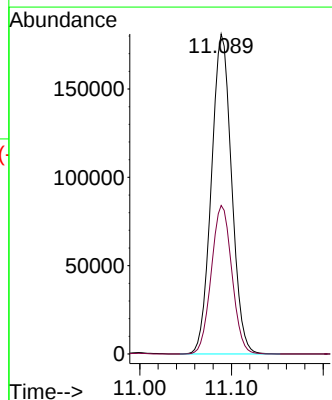
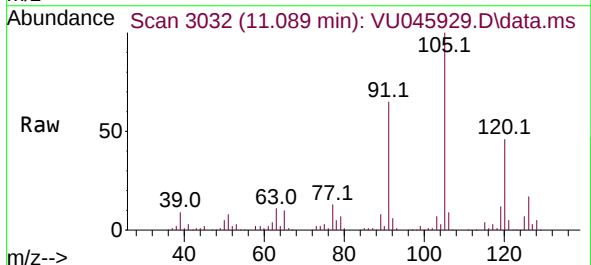
Acq: 22 Nov 2021 20:54

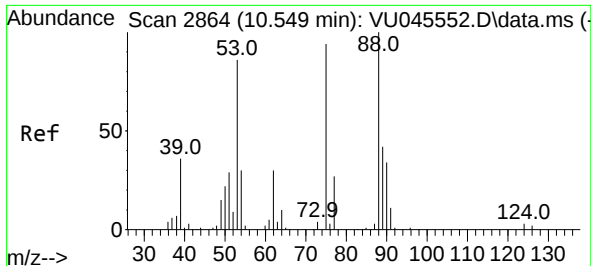
Tgt Ion:105 Resp: 277685

Ion Ratio Lower Upper

105 100

120 47.2 23.9 71.8

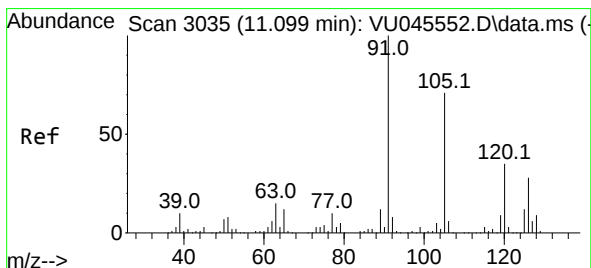
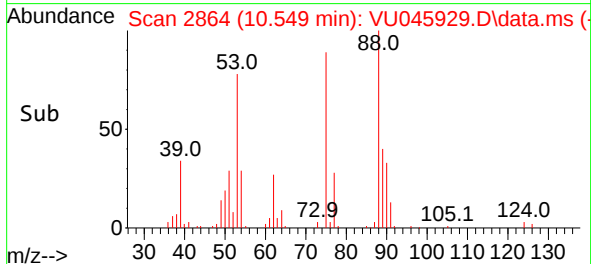
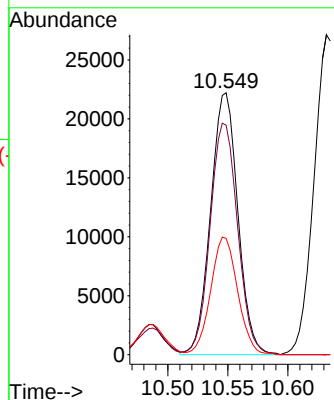
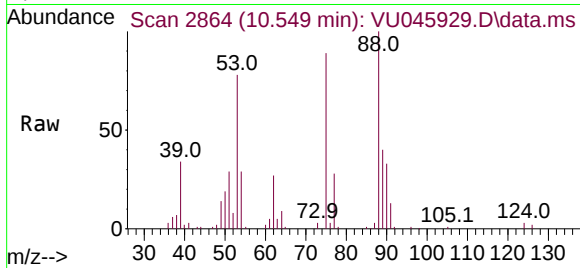




#81  
trans-1,4-Dichloro-2-butene  
Concen: 40.377 ug/l  
RT: 10.549 min Scan# 2864  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

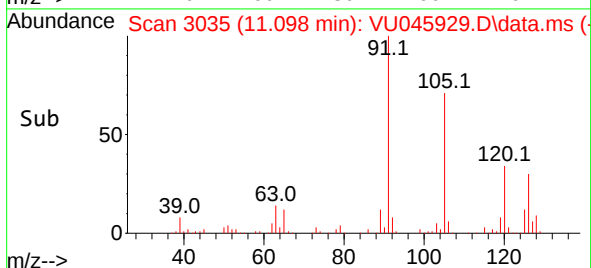
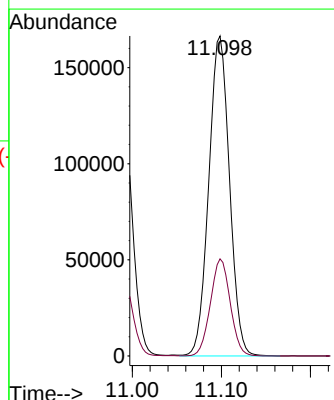
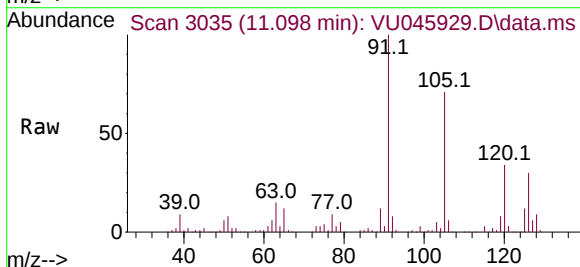
Instrument :  
MSVOA\_U  
ClientSampleId :

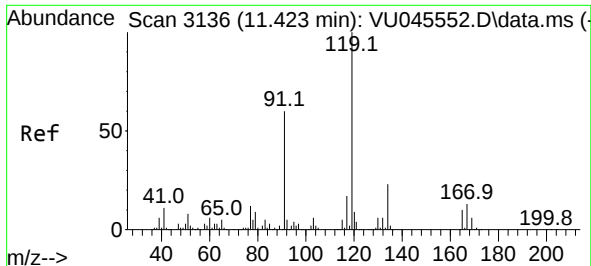
Tgt Ion: 75 Resp: 35058  
Ion Ratio Lower Upper  
75 100  
53 89.6 76.2 114.4  
89 44.6 34.0 51.0



#82  
4-Chlorotoluene  
Concen: 50.111 ug/l  
RT: 11.098 min Scan# 3035  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 91 Resp: 268905  
Ion Ratio Lower Upper  
91 100  
126 29.0 13.8 41.4

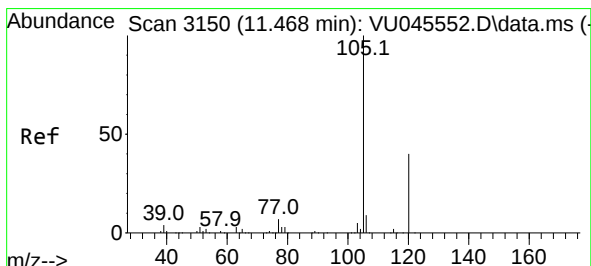
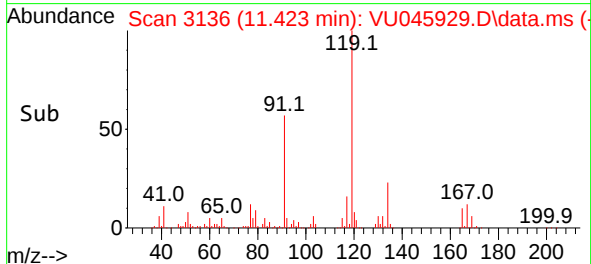
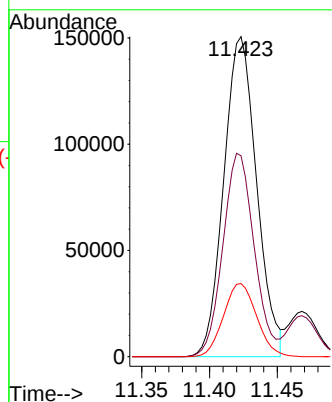
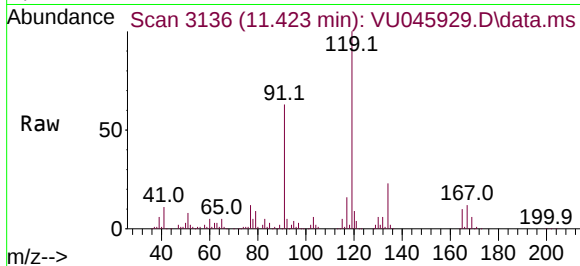




#83  
tert-Butylbenzene  
Concen: 49.045 ug/l  
RT: 11.423 min Scan# 3136  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

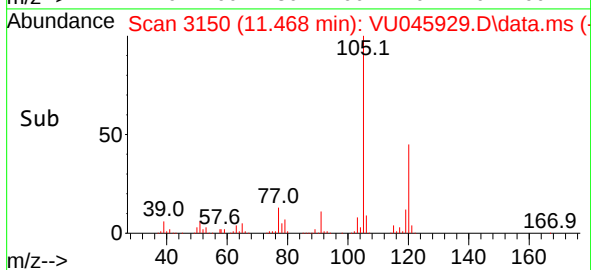
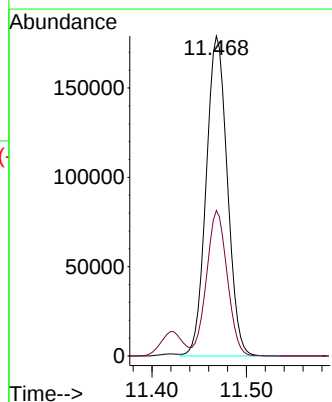
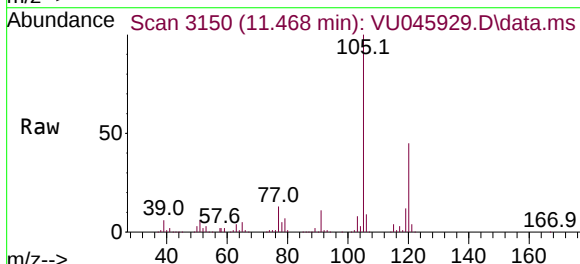
Instrument :  
MSVOA\_U  
ClientSampleId :

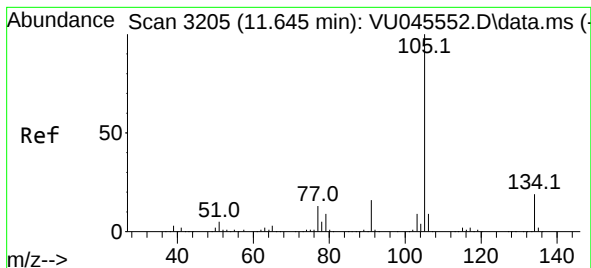
Tgt Ion:119 Resp: 254187  
Ion Ratio Lower Upper  
119 100  
91 60.4 30.5 91.5  
134 23.0 11.5 34.5



#84  
1,2,4-Trimethylbenzene  
Concen: 51.523 ug/l  
RT: 11.468 min Scan# 3150  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion:105 Resp: 278409  
Ion Ratio Lower Upper  
105 100  
120 44.8 22.2 66.6





#85

sec-Butylbenzene

Concen: 50.293 ug/l

RT: 11.645 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

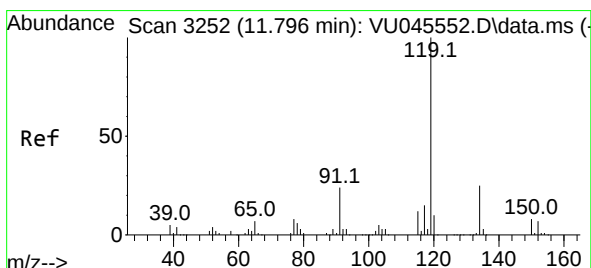
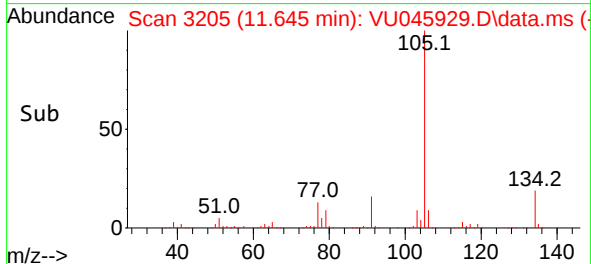
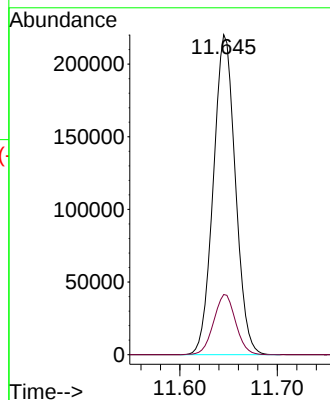
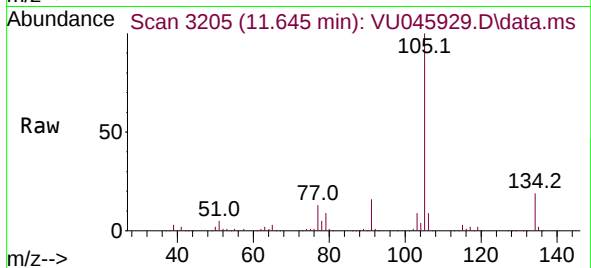
ClientSampleId :

Tgt Ion:105 Resp: 345695

Ion Ratio Lower Upper

105 100

134 18.8 9.4 28.3



#86

p-Isopropyltoluene

Concen: 50.163 ug/l

RT: 11.796 min Scan# 3252

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

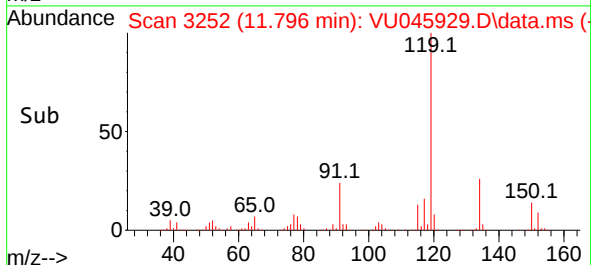
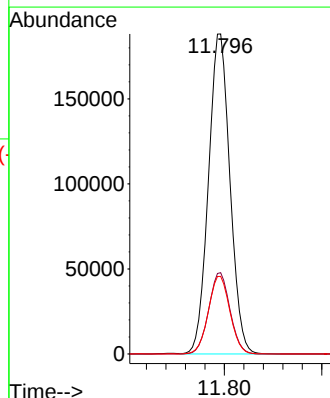
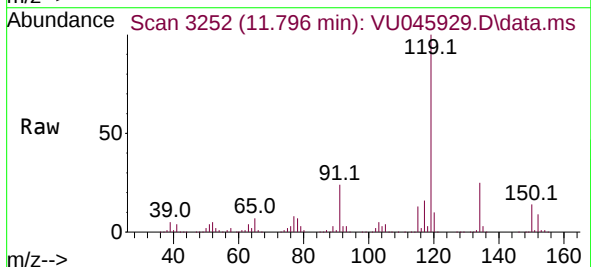
Tgt Ion:119 Resp: 288130

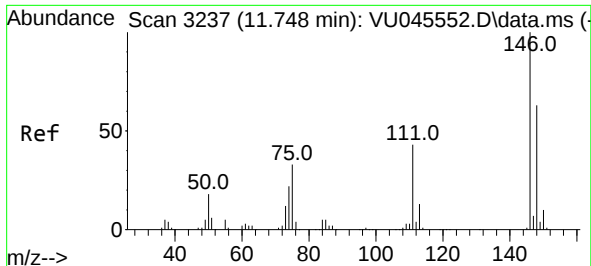
Ion Ratio Lower Upper

119 100

134 25.2 12.7 38.1

91 24.4 12.2 36.4





#87

1,3-Dichlorobenzene

Concen: 48.687 ug/l

RT: 11.748 min Scan# 3237

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

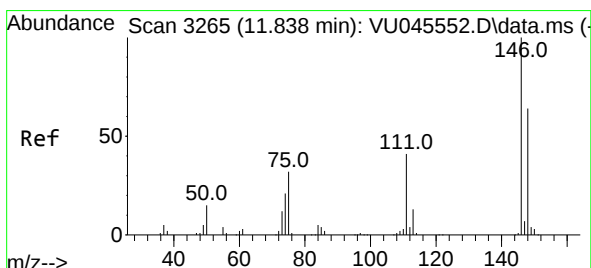
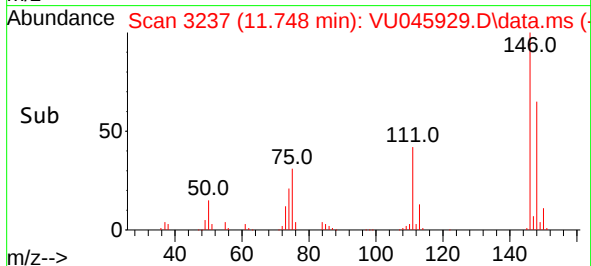
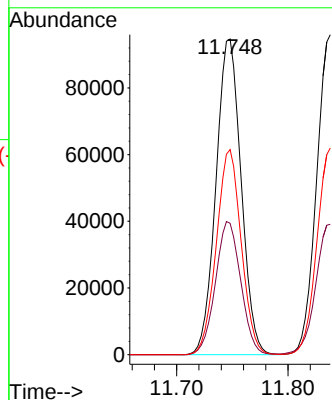
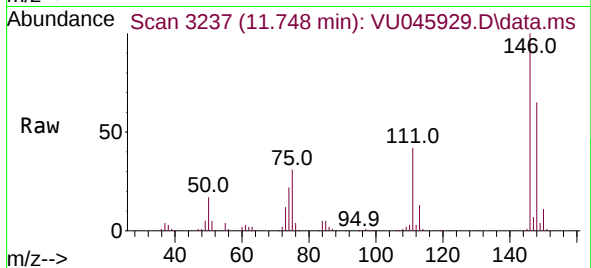
Tgt Ion:146 Resp: 148416

Ion Ratio Lower Upper

146 100

111 42.5 21.3 63.9

148 64.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 49.426 ug/l

RT: 11.838 min Scan# 3265

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

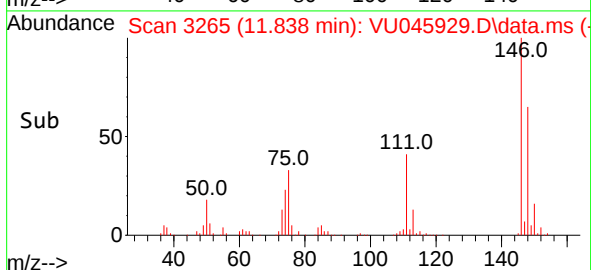
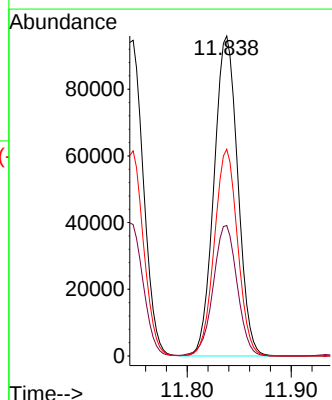
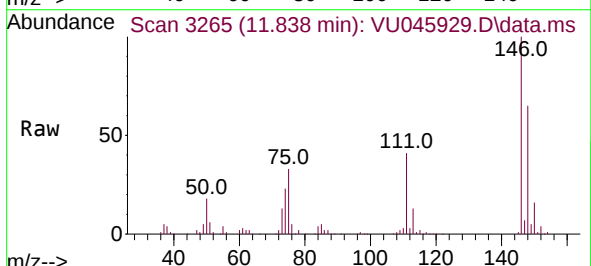
Tgt Ion:146 Resp: 152385

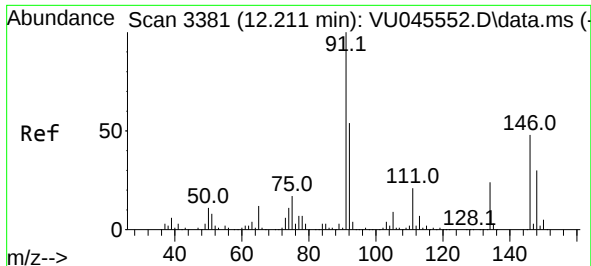
Ion Ratio Lower Upper

146 100

111 41.2 20.6 61.9

148 63.3 31.9 95.7

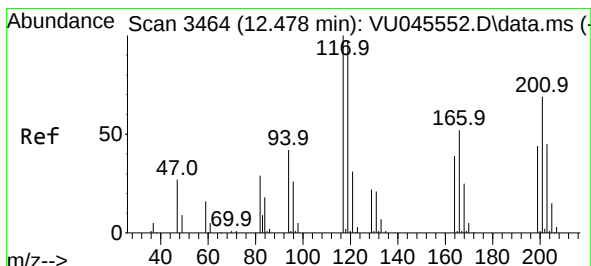
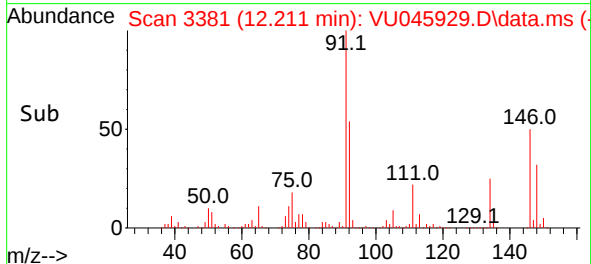
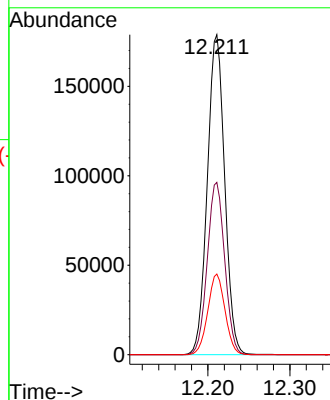
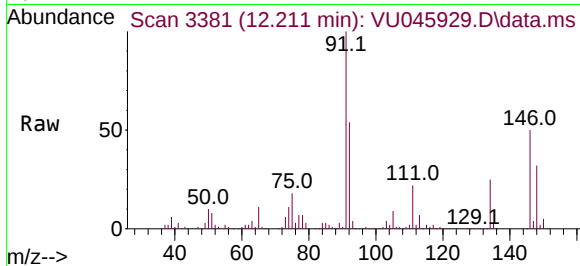




#89  
n-Butylbenzene  
Concen: 47.481 ug/l  
RT: 12.211 min Scan# 3381  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

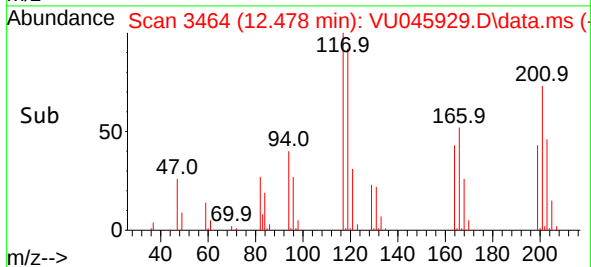
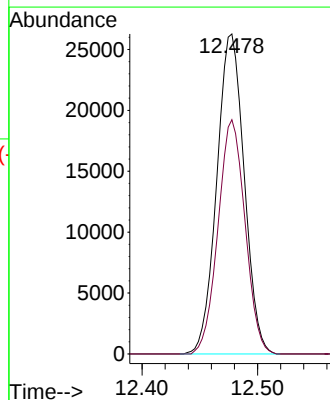
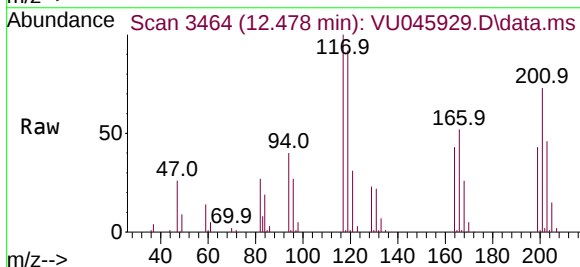
Instrument :  
MSVOA\_U  
ClientSampleId :

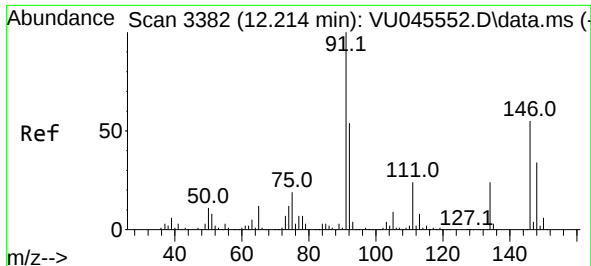
Tgt Ion: 91 Resp: 262715  
Ion Ratio Lower Upper  
91 100  
92 54.1 27.1 81.2  
134 25.0 11.8 35.4



#90  
Hexachloroethane  
Concen: 41.811 ug/l  
RT: 12.478 min Scan# 3464  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

Tgt Ion: 117 Resp: 43324  
Ion Ratio Lower Upper  
117 100  
201 72.0 33.8 101.4





#91

1,2-Dichlorobenzene

Concen: 50.202 ug/l

RT: 12.214 min Scan# 3382

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

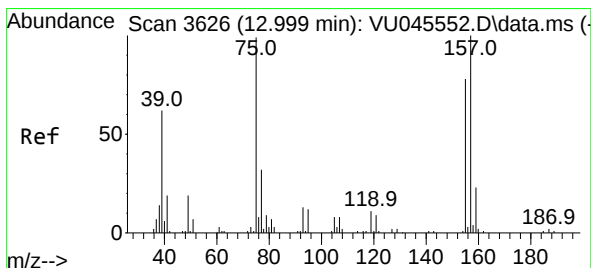
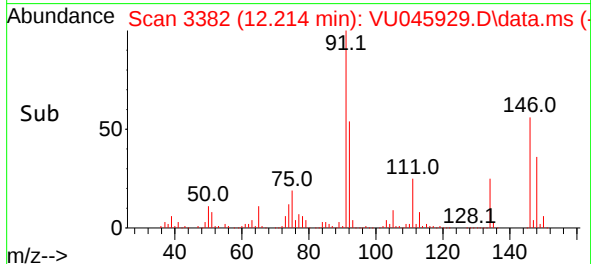
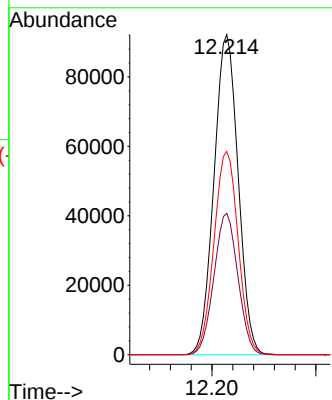
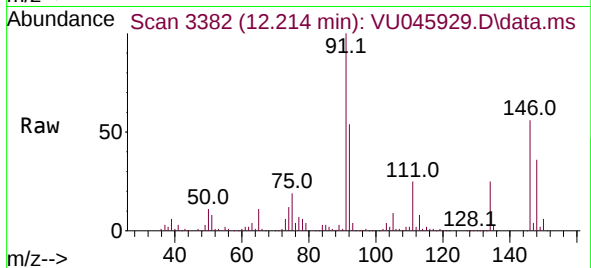
Tgt Ion:146 Resp: 148890

Ion Ratio Lower Upper

146 100

111 43.8 21.9 65.5

148 63.7 32.1 96.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.286 ug/l

RT: 12.999 min Scan# 3626

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

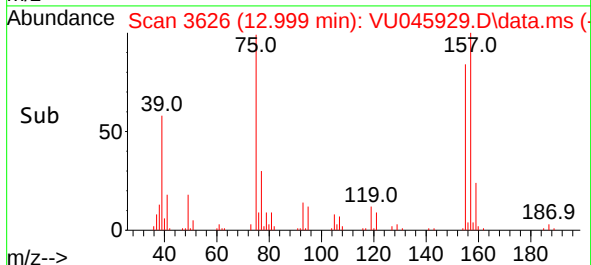
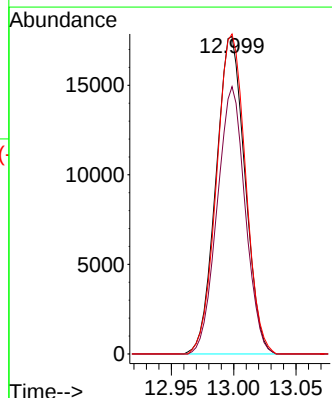
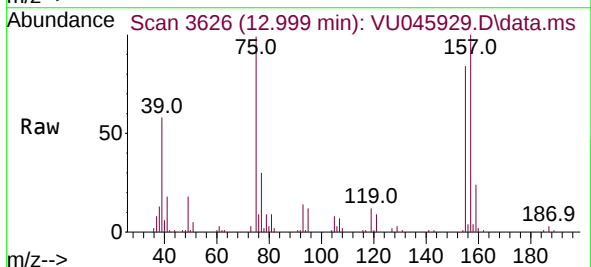
Tgt Ion: 75 Resp: 28672

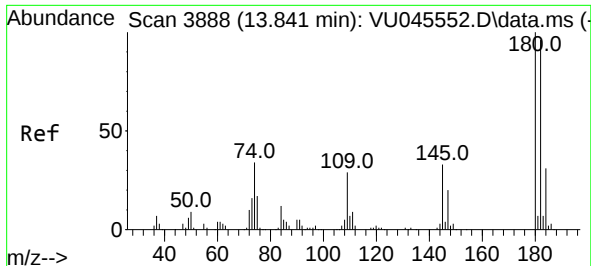
Ion Ratio Lower Upper

75 100

155 81.4 37.8 113.3

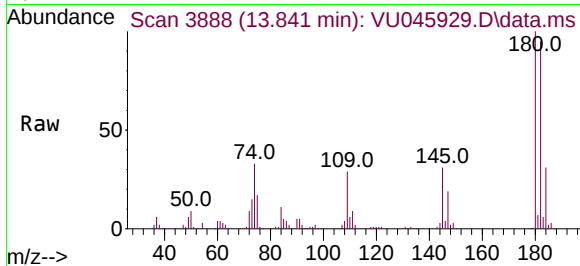
157 100.9 48.4 145.2



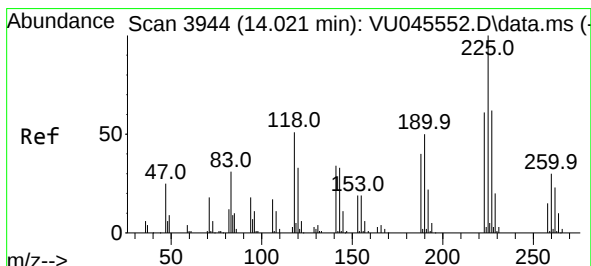
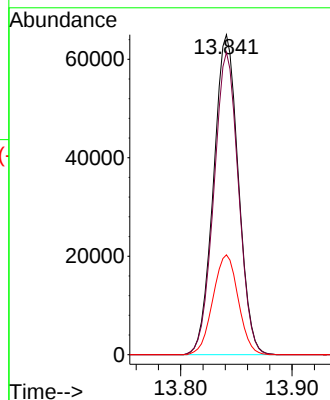
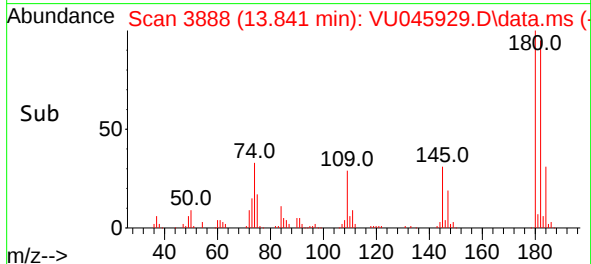


#93  
1,2,4-Trichlorobenzene  
Concen: 49.113 ug/l  
RT: 13.841 min Scan# 3888  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54

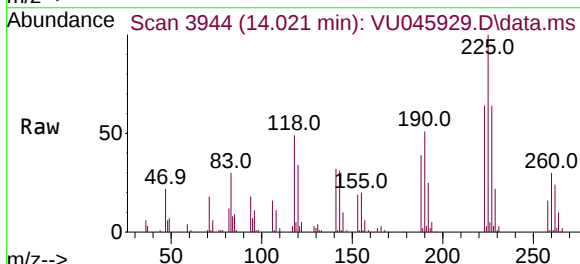
Instrument :  
MSVOA\_U  
ClientSampleId :



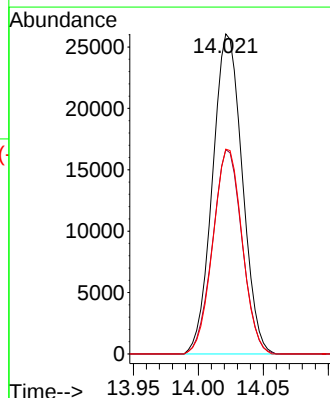
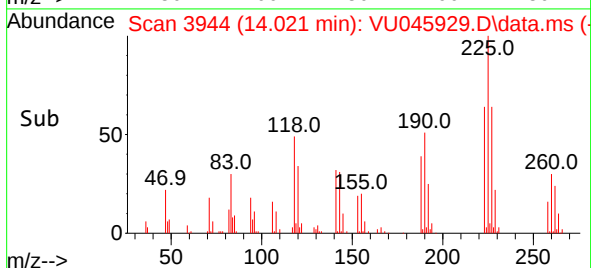
Tgt Ion:180 Resp: 100713  
Ion Ratio Lower Upper  
180 100  
182 93.8 47.0 141.2  
145 31.8 15.6 46.7

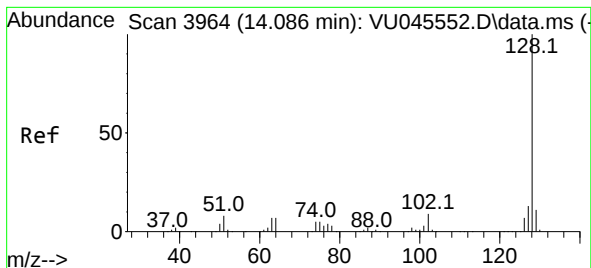


#94  
Hexachlorobutadiene  
Concen: 46.774 ug/l  
RT: 14.021 min Scan# 3944  
Delta R.T. -0.000 min  
Lab File: VU045929.D  
Acq: 22 Nov 2021 20:54



Tgt Ion:225 Resp: 41404  
Ion Ratio Lower Upper  
225 100  
223 63.3 32.0 96.2  
227 63.0 31.1 93.5





#95

Naphthalene

Concen: 47.134 ug/l

RT: 14.085 min Scan# 3964

Delta R.T. -0.001 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Instrument :

MSVOA\_U

ClientSampleId :

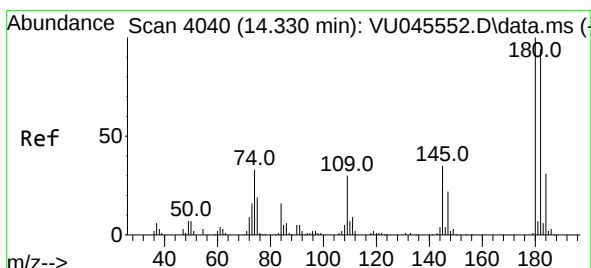
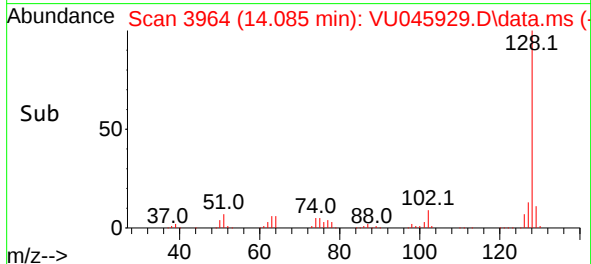
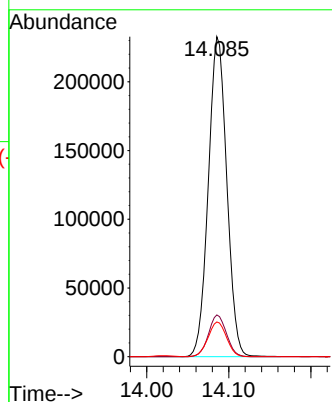
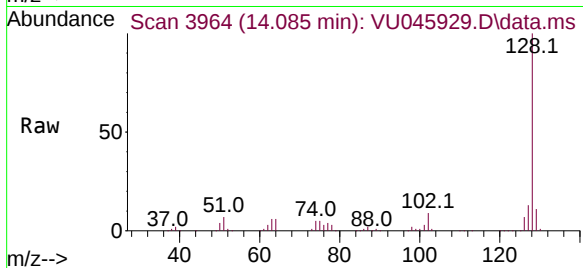
Tgt Ion:128 Resp: 362903

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 49.507 ug/l

RT: 14.330 min Scan# 4040

Delta R.T. -0.000 min

Lab File: VU045929.D

Acq: 22 Nov 2021 20:54

Tgt Ion:180 Resp: 100838

Ion Ratio Lower Upper

180 100

182 96.1 47.7 143.1

145 34.2 16.7 50.0

