

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD092023\  
 Data File : VD077160.D  
 Acq On : 20 Sep 2023 10:02  
 Operator : JC/SY  
 Sample : VSTDCCC050  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :

Quant Time: Sep 21 02:21:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D091823S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 19 04:46:37 2023  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.875  | 168   | 229341   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.775  | 114   | 365861   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.581 | 117   | 354334   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.516 | 152   | 182257   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.228  | 65    | 114225   | 49.351   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 98.700%  |
| 35) Dibromofluoromethane     | 7.804  | 113   | 133485   | 52.527   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 105.060% |
| 50) Toluene-d8               | 10.269 | 98    | 491953   | 54.387   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =      | 108.780% |
| 62) 4-Bromofluorobenzene     | 12.575 | 95    | 148881   | 53.104   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =      | 106.200% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.928  | 85    | 110655   | 46.689   | ug/l   | 95       |
| 3) Chloromethane             | 2.146  | 50    | 216442   | 49.404   | ug/l   | 99       |
| 4) Vinyl Chloride            | 2.281  | 62    | 239042   | 51.007   | ug/l   | 98       |
| 5) Bromomethane              | 2.687  | 94    | 184318   | 54.001   | ug/l   | 100      |
| 6) Chloroethane              | 2.834  | 64    | 163794   | 56.169   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 3.175  | 101   | 234820   | 55.436   | ug/l   | 98       |
| 8) Diethyl Ether             | 3.593  | 74    | 70338    | 51.449   | ug/l   | 93       |
| 9) 1,1,2-Trichlorotrifluo... | 3.963  | 101   | 137988   | 52.104   | ug/l   | 99       |
| 10) Methyl Iodide            | 4.157  | 142   | 188683   | 49.847   | ug/l   | 93       |
| 11) Tert butyl alcohol       | 5.046  | 59    | 36610    | 277.424  | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 3.934  | 96    | 133533   | 50.051   | ug/l   | 92       |
| 13) Acrolein                 | 3.793  | 56    | 22484    | 259.293  | ug/l   | 98       |
| 14) Allyl chloride           | 4.557  | 41    | 169065   | 51.941   | ug/l   | 93       |
| 15) Acrylonitrile            | 5.252  | 53    | 156836   | 273.579  | ug/l   | 99       |
| 16) Acetone                  | 4.016  | 43    | 156561   | 295.960  | ug/l # | 85       |
| 17) Carbon Disulfide         | 4.269  | 76    | 426715   | 48.586   | ug/l   | 98       |
| 18) Methyl Acetate           | 4.557  | 43    | 108559   | 54.271   | ug/l   | 92       |
| 19) Methyl tert-butyl Ether  | 5.310  | 73    | 316390   | 54.805   | ug/l   | 95       |
| 20) Methylene Chloride       | 4.799  | 84    | 181467   | 53.493   | ug/l   | 92       |
| 21) trans-1,2-Dichloroethene | 5.304  | 96    | 164393   | 50.975   | ug/l   | 95       |
| 22) Diisopropyl ether        | 6.210  | 45    | 387456   | 52.648   | ug/l   | 95       |
| 23) Vinyl Acetate            | 6.152  | 43    | 965718   | 328.237  | ug/l   | 95       |
| 24) 1,1-Dichloroethane       | 6.110  | 63    | 261580   | 49.523   | ug/l   | 98       |
| 25) 2-Butanone               | 7.075  | 43    | 201018   | 288.841  | ug/l   | 89       |
| 26) 2,2-Dichloropropane      | 7.075  | 77    | 238364   | 53.164   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 7.081  | 96    | 184190   | 50.805   | ug/l   | 97       |
| 28) Bromochloromethane       | 7.428  | 49    | 83185    | 51.287   | ug/l   | 89       |
| 29) Tetrahydrofuran          | 7.446  | 42    | 113944   | 280.069  | ug/l   | 90       |
| 30) Chloroform               | 7.593  | 83    | 287024   | 50.421   | ug/l   | 100      |
| 31) Cyclohexane              | 7.875  | 56    | 205130   | 50.659   | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 7.793  | 97    | 246617   | 51.901   | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 8.004  | 75    | 210626   | 55.035   | ug/l   | 98       |
| 37) Ethyl Acetate            | 7.169  | 43    | 82838    | 56.416   | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 7.993  | 117   | 211982   | 56.355   | ug/l   | 99       |
| 39) Methylcyclohexane        | 9.275  | 83    | 242774   | 55.132   | ug/l   | 91       |
| 40) Benzene                  | 8.251  | 78    | 635794   | 53.695   | ug/l   | 100      |

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 MSVOA\_D  
 ClientSampleId :

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 Quant Title : SW846 8260  
 QLast Update : Tue Sep 19 04:46:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 7.393  | 41   | 40581    | 51.780   | ug/l # | 87       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 158677   | 54.051   | ug/l   | 96       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 156370   | 57.840   | ug/l   | 92       |
| 44) Trichloroethene           | 9.028  | 130  | 173052   | 52.805   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 154360   | 53.672   | ug/l   | 97       |
| 46) Dibromomethane            | 9.393  | 93   | 91970    | 55.031   | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.587  | 83   | 219307   | 54.303   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.381  | 41   | 72057    | 58.657   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 19720    | 1307.231 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 413591   | 292.520  | ug/l   | 93       |
| 52) Toluene                   | 10.334 | 92   | 419807   | 55.420   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 208634   | 55.296   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 243664   | 53.902   | ug/l # | 93       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 127317   | 56.011   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 144852   | 59.316   | ug/l   | 93       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 206205   | 56.038   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 322182   | 254.750  | ug/l   | 98       |
| 59) 2-Hexanone                | 10.922 | 43   | 312923   | 308.462  | ug/l   | 90       |
| 60) Dibromochloromethane      | 11.075 | 129  | 154794   | 55.600   | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 121245   | 55.175   | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 145151   | 52.651   | ug/l   | 89       |
| 65) Chlorobenzene             | 11.610 | 112  | 437117   | 52.441   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 163297   | 53.549   | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.687 | 91   | 779398   | 54.399   | ug/l   | 97       |
| 68) m/p-Xylenes               | 11.792 | 106  | 632172   | 110.199  | ug/l   | 93       |
| 69) o-Xylene                  | 12.122 | 106  | 288970   | 54.881   | ug/l   | 92       |
| 70) Styrene                   | 12.134 | 104  | 511349   | 57.003   | ug/l   | 98       |
| 71) Bromoform                 | 12.298 | 173  | 91966    | 54.405   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 746414   | 55.425   | ug/l   | 96       |
| 74) N-amyl acetate            | 12.234 | 43   | 147497   | 58.306   | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 144237   | 56.754   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 167989   | 115.550  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 179437   | 53.511   | ug/l   | 93       |
| 78) n-propylbenzene           | 12.763 | 91   | 922644   | 56.050   | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 493318   | 54.346   | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 629054   | 55.931   | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 44411    | 57.821   | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 522489   | 54.766   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 536640   | 55.848   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 629614   | 55.207   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 799236   | 55.430   | ug/l   | 97       |
| 86) p-Isopropyltoluene        | 13.457 | 119  | 677784   | 55.411   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 368521   | 53.438   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 359733   | 53.018   | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 616791   | 54.661   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 128357   | 52.912   | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 316642   | 53.552   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 19895    | 58.627   | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 200656   | 55.006   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 96449    | 49.894   | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 382510   | 57.183   | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 174660   | 53.867   | ug/l   | 98       |

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Quant Title : SW846 8260  
QLast Update : Tue Sep 19 04:46:37 2023  
Response via : Initial Calibration

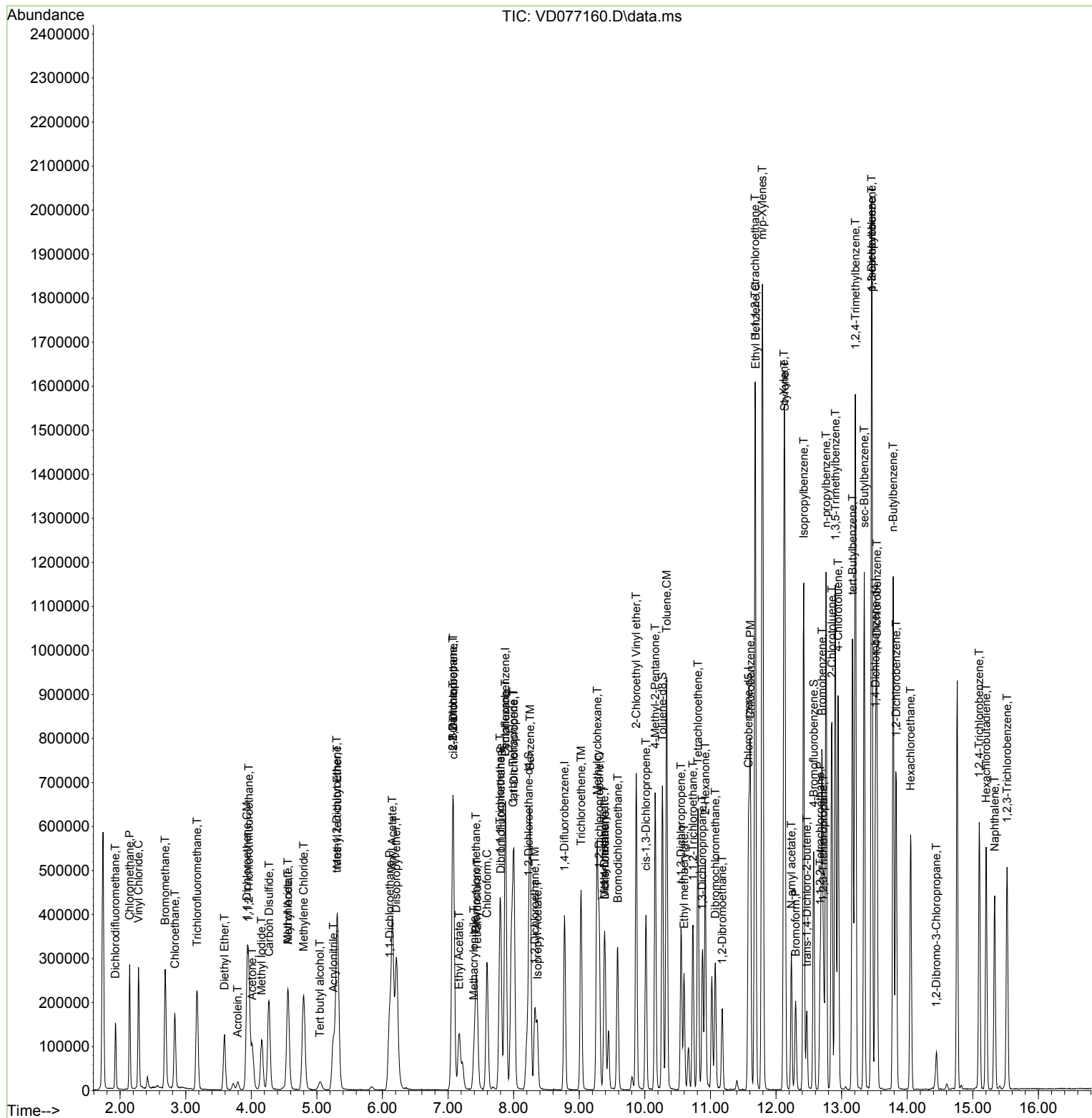
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

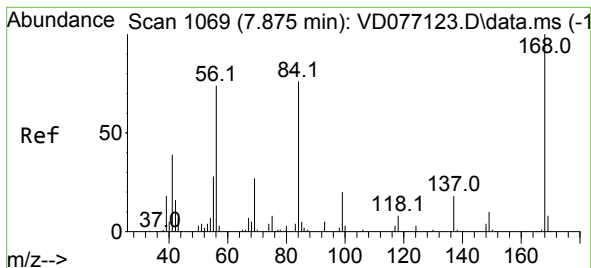
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

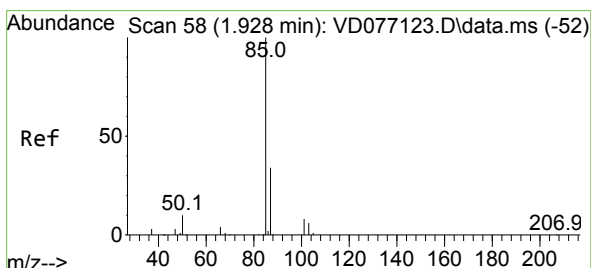
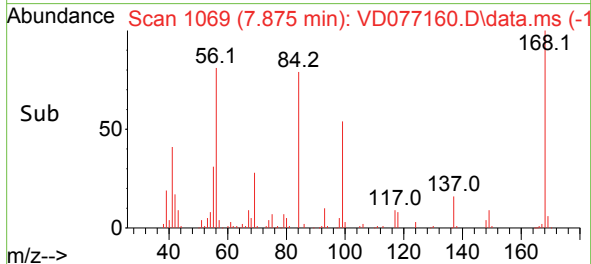
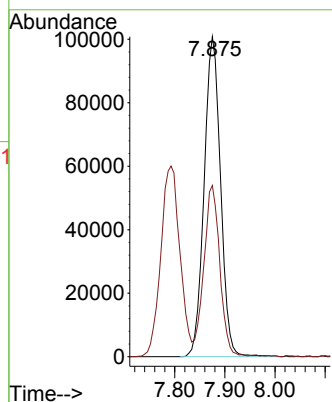
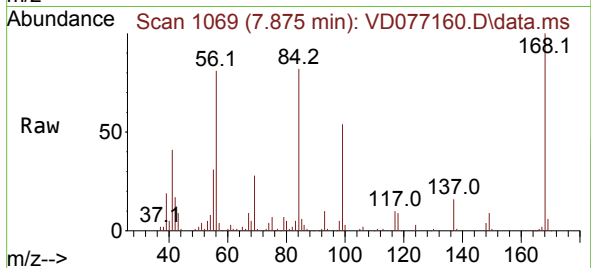
ClientSampleId :

Tgt Ion:168 Resp: 229341

Ion Ratio Lower Upper

168 100

99 53.5 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 46.689 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD077160.D

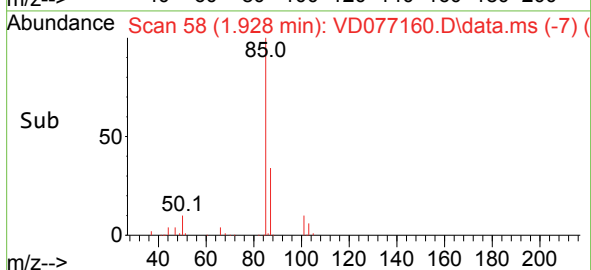
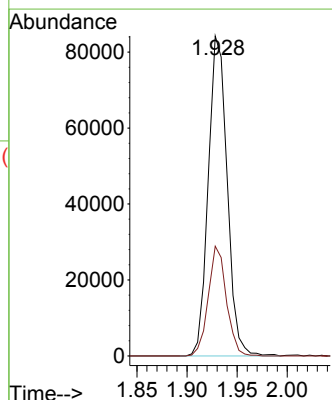
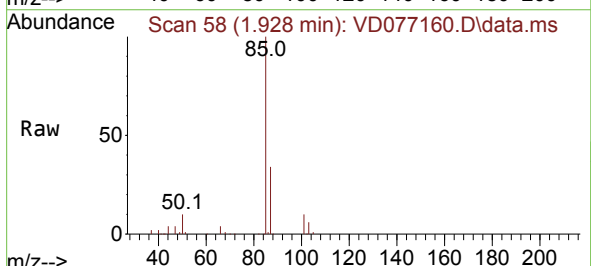
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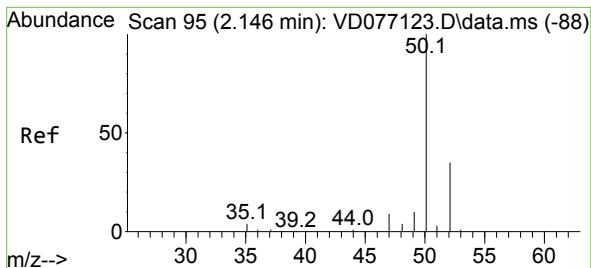
Tgt Ion: 85 Resp: 110655

Ion Ratio Lower Upper

85 100

87 34.3 15.7 47.0





#3

Chloromethane

Concen: 49.404 ug/l

RT: 2.146 min Scan# 95

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

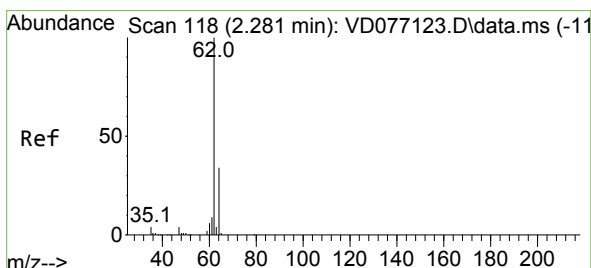
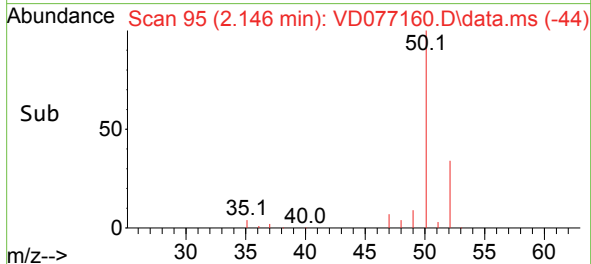
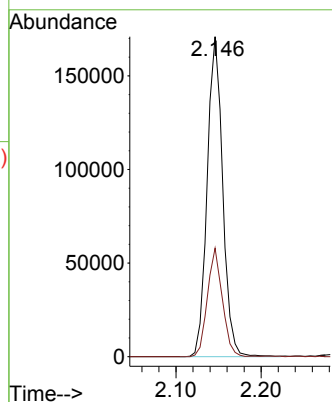
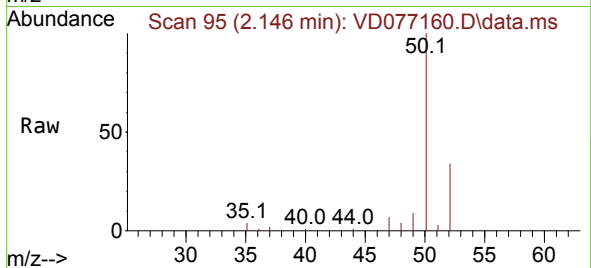
ClientSampleId :

Tgt Ion: 50 Resp: 216442

Ion Ratio Lower Upper

50 100

52 33.9 26.6 40.0



#4

Vinyl Chloride

Concen: 51.007 ug/l

RT: 2.281 min Scan# 118

Delta R.T. 0.000 min

Lab File: VD077160.D

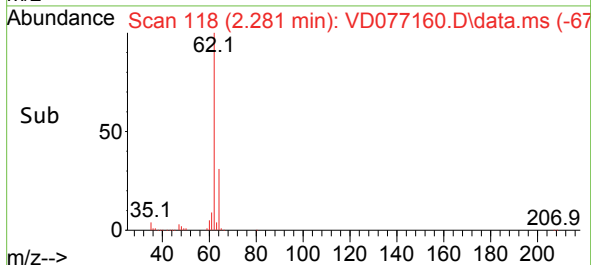
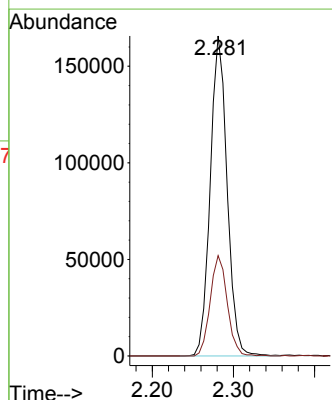
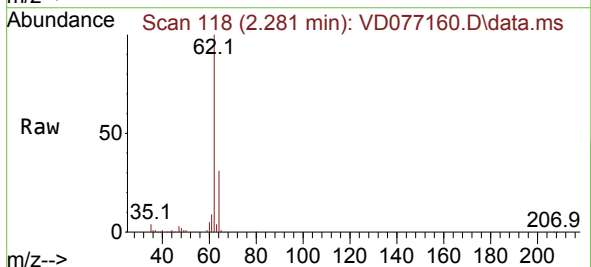
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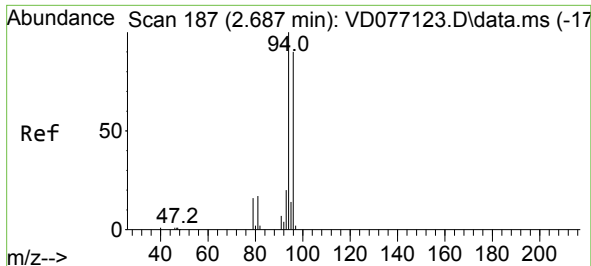
Tgt Ion: 62 Resp: 239042

Ion Ratio Lower Upper

62 100

64 31.3 26.0 39.0

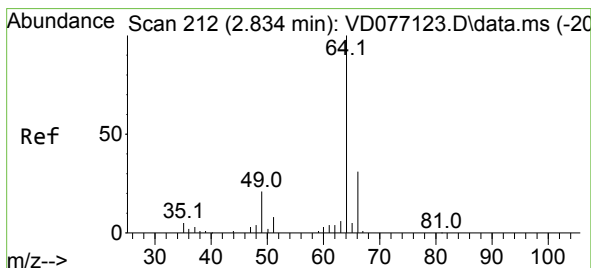
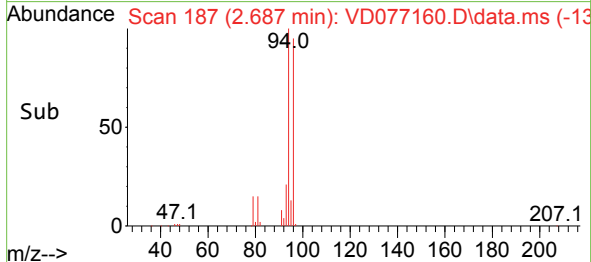
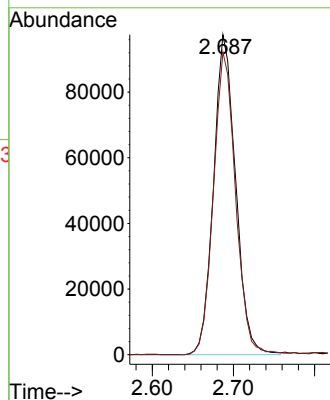
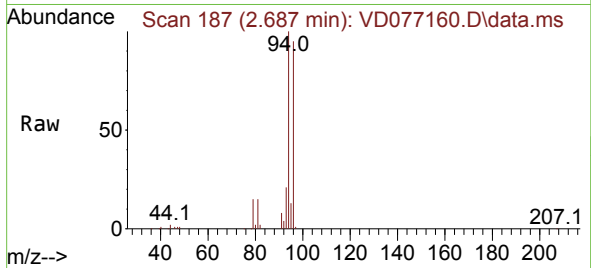




#5  
Bromomethane  
Concen: 54.001 ug/l  
RT: 2.687 min Scan# 187  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

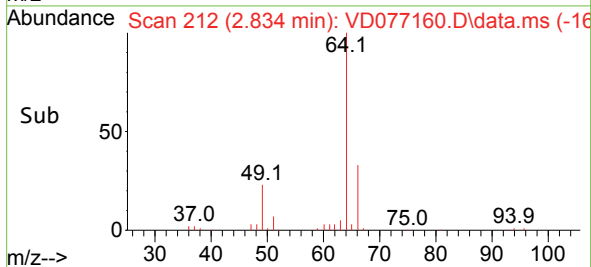
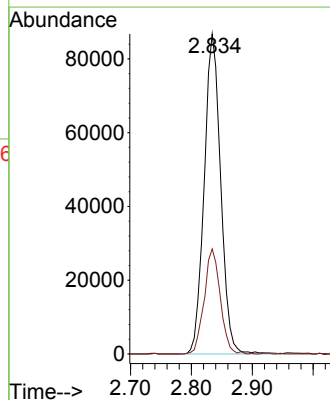
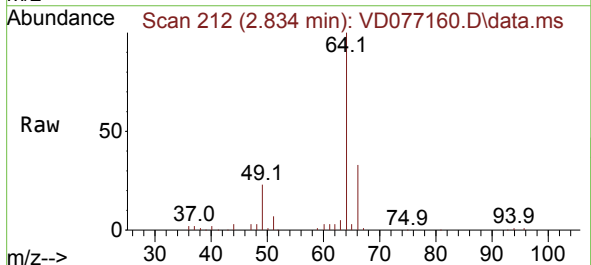
Instrument :  
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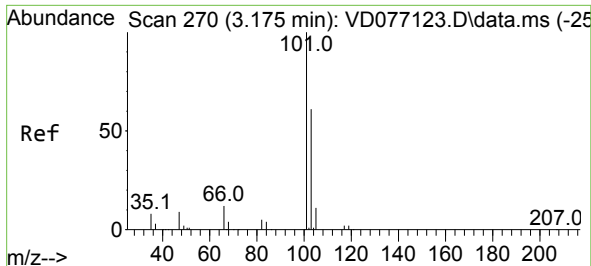
Tgt Ion: 94 Resp: 184318  
Ion Ratio Lower Upper  
94 100  
96 94.7 75.8 113.8



#6  
Chloroethane  
Concen: 56.169 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 64 Resp: 163794  
Ion Ratio Lower Upper  
64 100  
66 32.8 25.5 38.3

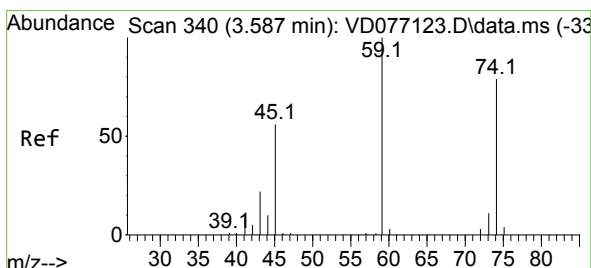
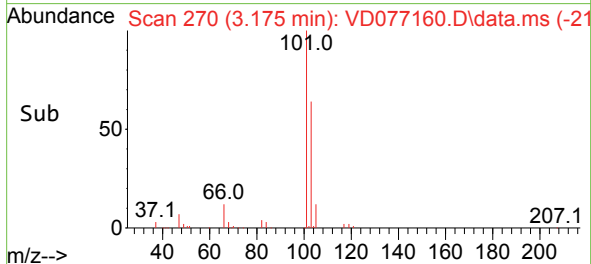
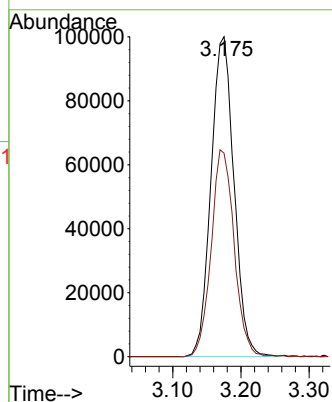
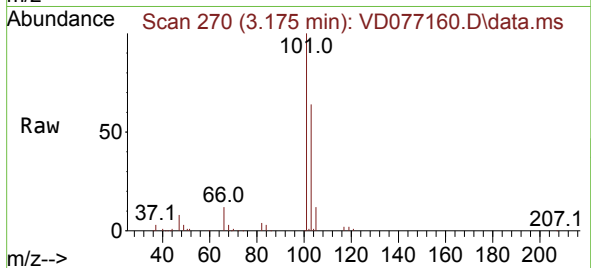




#7  
 Trichlorofluoromethane  
 Concen: 55.436 ug/l  
 RT: 3.175 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

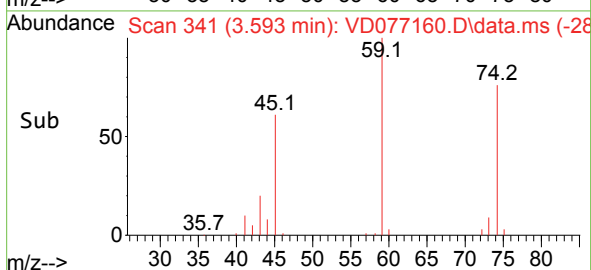
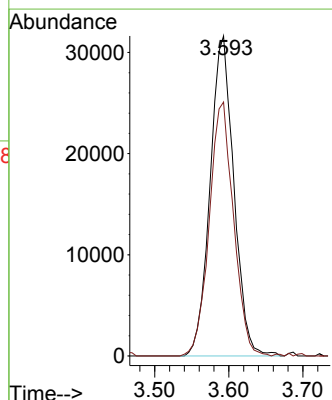
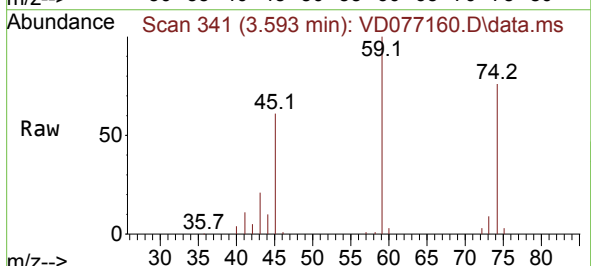
Instrument :  
 MSVOA\_D  
 ClientSampleId :

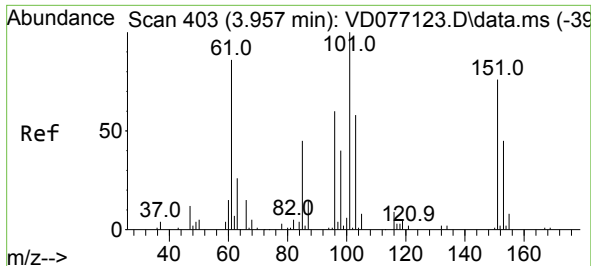
Tgt Ion:101 Resp: 234820  
 Ion Ratio Lower Upper  
 101 100  
 103 63.6 52.3 78.5



#8  
 Diethyl Ether  
 Concen: 51.449 ug/l  
 RT: 3.593 min Scan# 341  
 Delta R.T. 0.006 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

Tgt Ion: 74 Resp: 70338  
 Ion Ratio Lower Upper  
 74 100  
 45 81.1 37.5 112.7

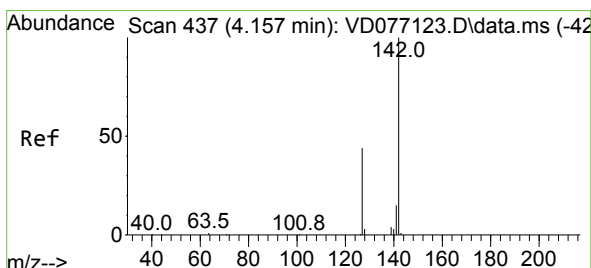
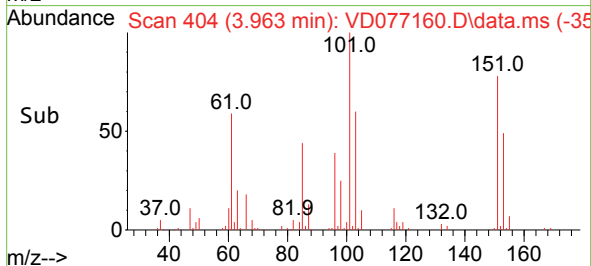
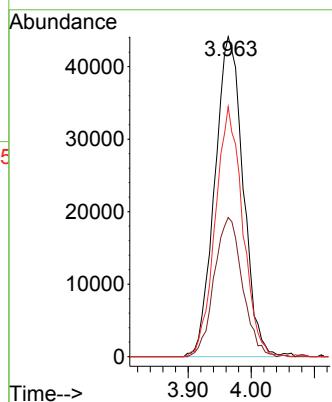
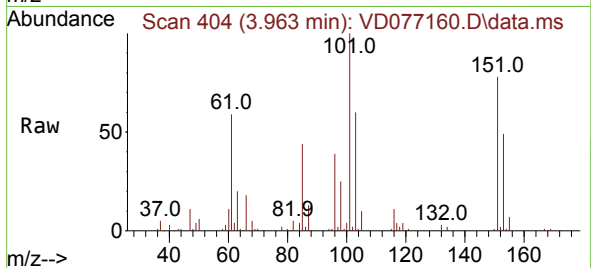




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 52.104 ug/l  
RT: 3.963 min Scan# 404  
Delta R.T. 0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

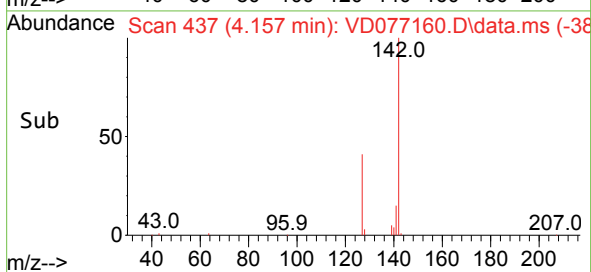
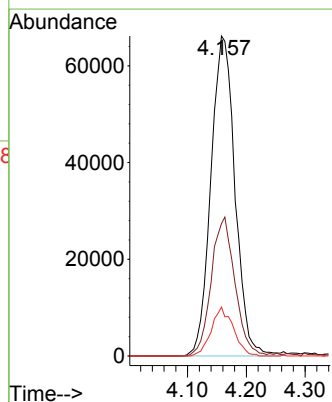
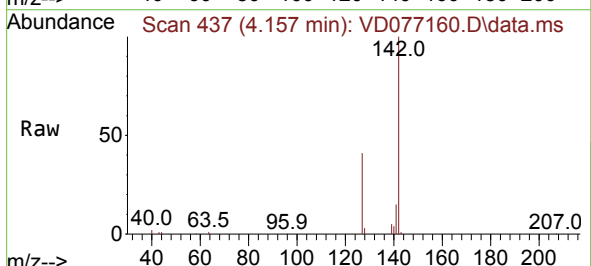
Instrument :  
MSVOA\_D  
ClientSampleId :

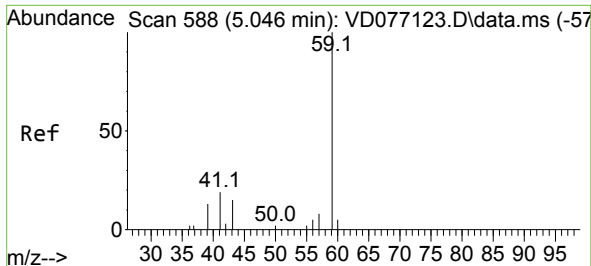
Tgt Ion:101 Resp: 137988  
Ion Ratio Lower Upper  
101 100  
85 43.3 33.8 50.6  
151 75.4 59.8 89.6



#10  
Methyl Iodide  
Concen: 49.847 ug/l  
RT: 4.157 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion:142 Resp: 188683  
Ion Ratio Lower Upper  
142 100  
127 42.6 29.4 44.0  
141 14.0 11.1 16.7





#11

Tert butyl alcohol

Concen: 277.424 ug/l

RT: 5.046 min Scan# 588

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

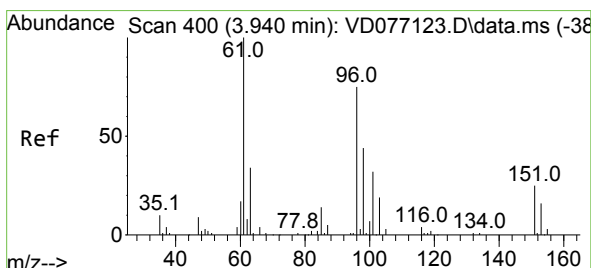
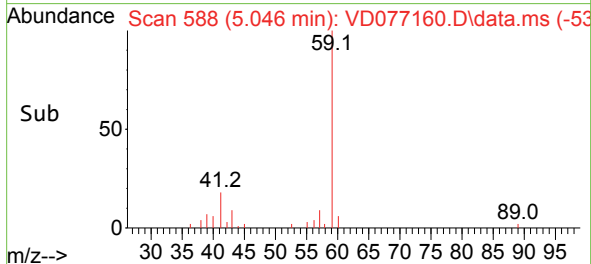
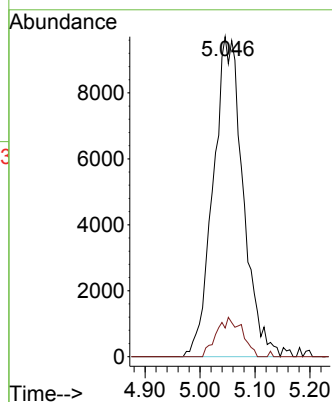
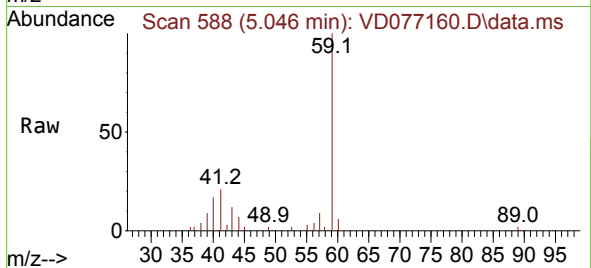
ClientSampleId :

Tgt Ion: 59 Resp: 36610

Ion Ratio Lower Upper

59 100

57 10.5 7.8 11.8



#12

1,1-Dichloroethene

Concen: 50.051 ug/l

RT: 3.934 min Scan# 399

Delta R.T. -0.006 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

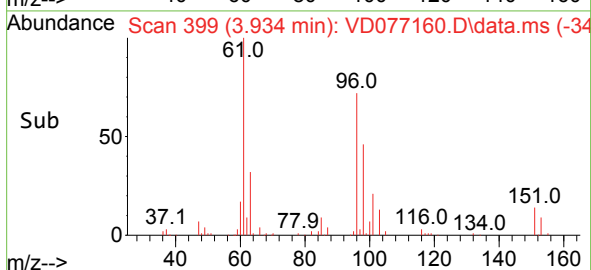
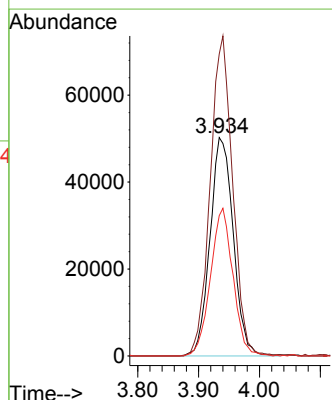
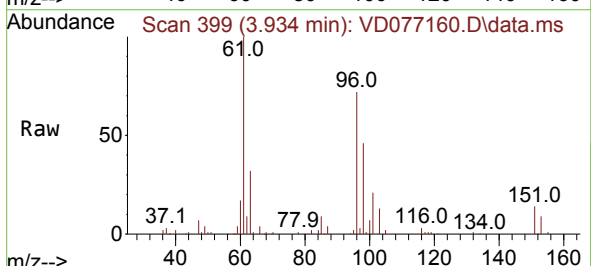
Tgt Ion: 96 Resp: 133533

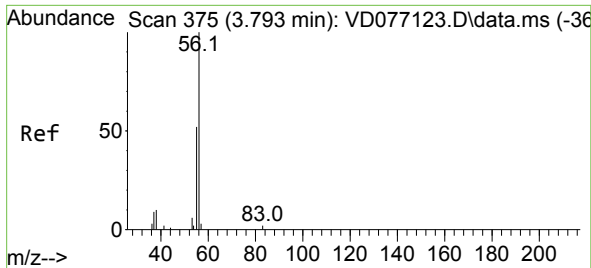
Ion Ratio Lower Upper

96 100

61 138.2 100.6 150.8

98 64.3 50.2 75.2

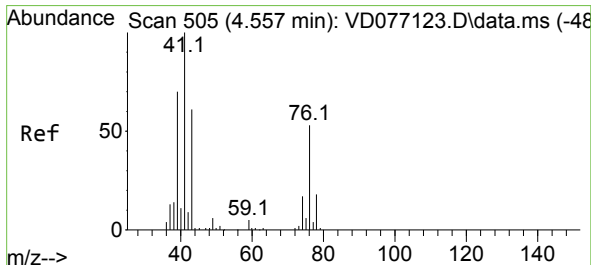
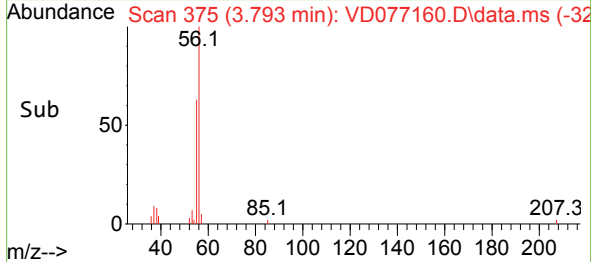
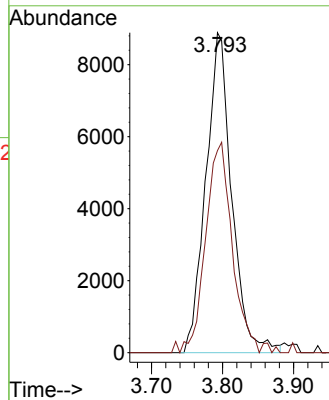
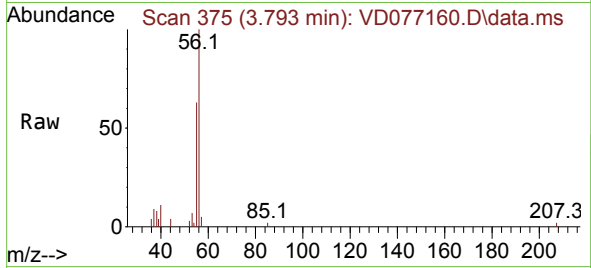




#13  
Acrolein  
Concen: 259.293 ug/l  
RT: 3.793 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

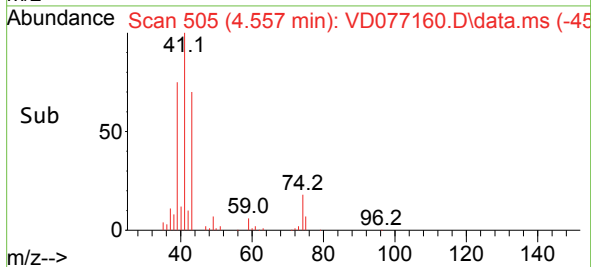
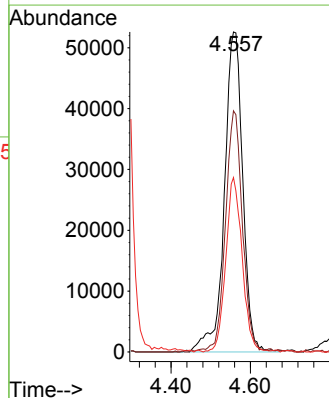
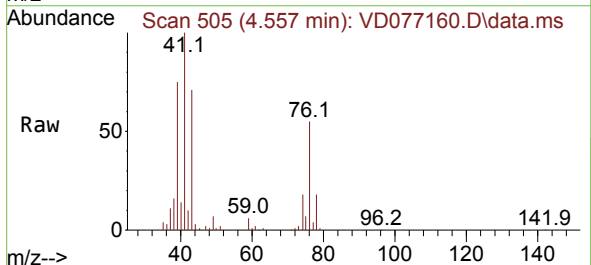
Instrument :  
MSVOA\_D  
ClientSampleId :

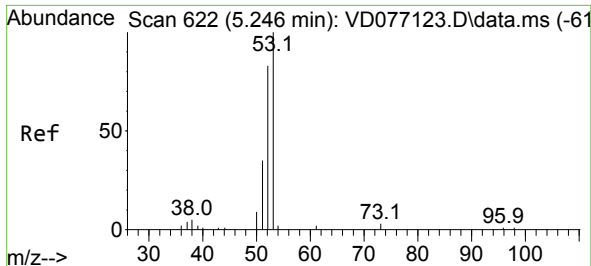
Tgt Ion: 56 Resp: 22484  
Ion Ratio Lower Upper  
56 100  
55 67.1 55.1 82.7



#14  
Allyl chloride  
Concen: 51.941 ug/l  
RT: 4.557 min Scan# 505  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 41 Resp: 169065  
Ion Ratio Lower Upper  
41 100  
39 69.7 53.8 80.6  
76 48.7 45.8 68.8

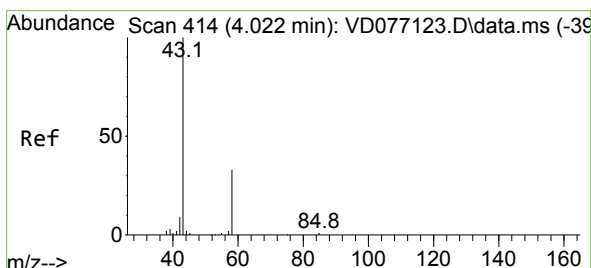
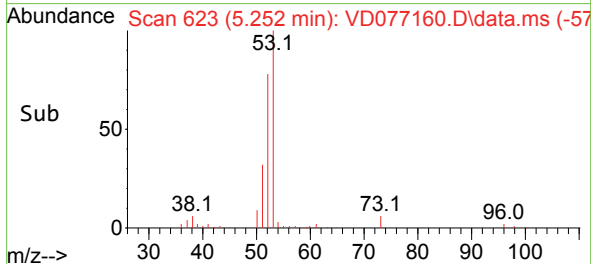
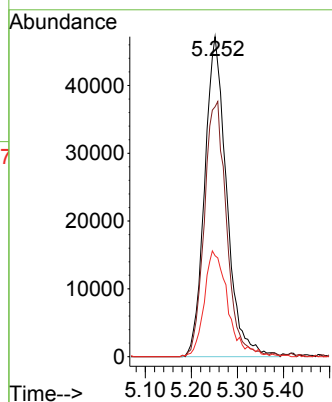
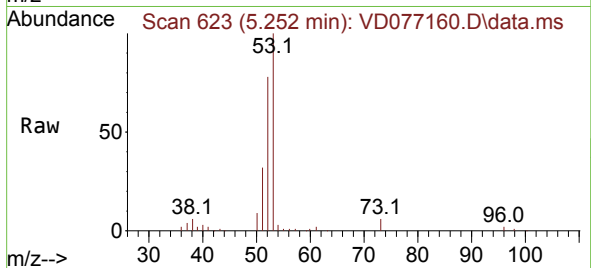




#15  
Acrylonitrile  
Concen: 273.579 ug/l  
RT: 5.252 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

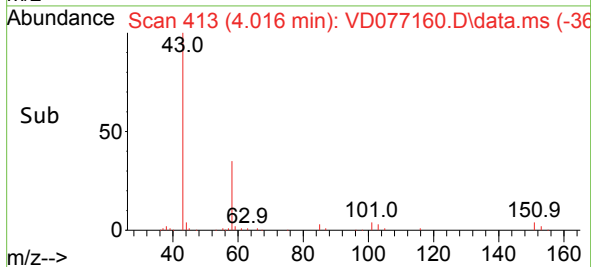
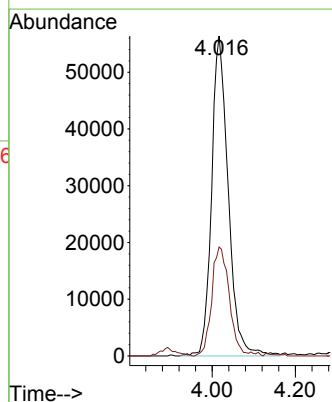
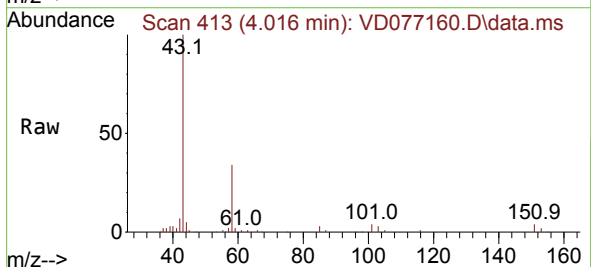
Instrument :  
MSVOA\_D  
ClientSampleId :

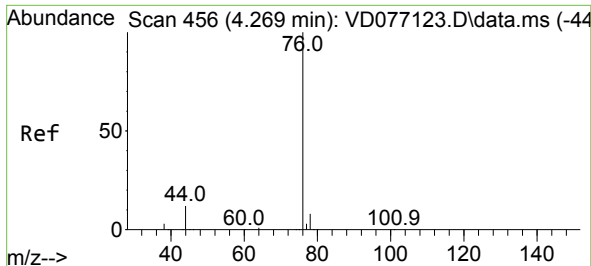
Tgt Ion: 53 Resp: 156836  
Ion Ratio Lower Upper  
53 100  
52 80.7 65.0 97.4  
51 35.7 28.3 42.5



#16  
Acetone  
Concen: 295.960 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

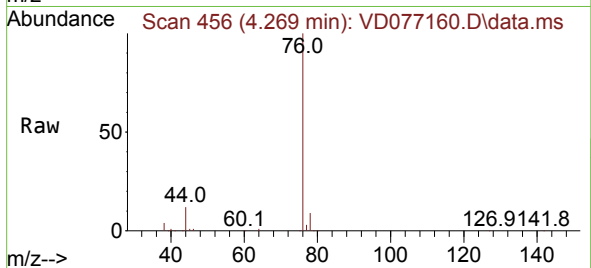
Tgt Ion: 43 Resp: 156561  
Ion Ratio Lower Upper  
43 100  
58 33.6 34.7 52.1#



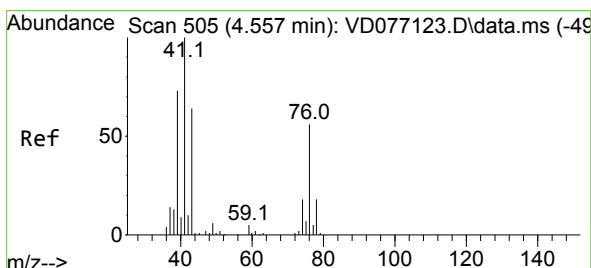
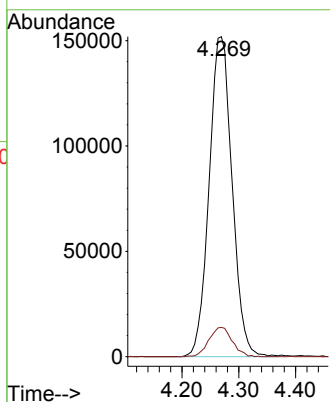
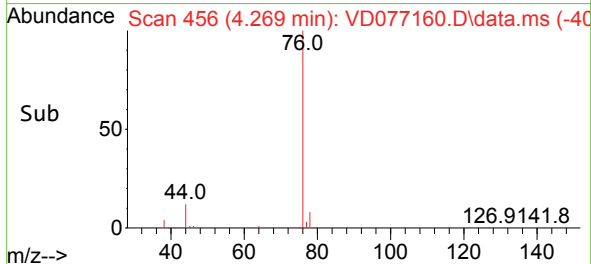


#17  
Carbon Disulfide  
Concen: 48.586 ug/l  
RT: 4.269 min Scan# 456  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

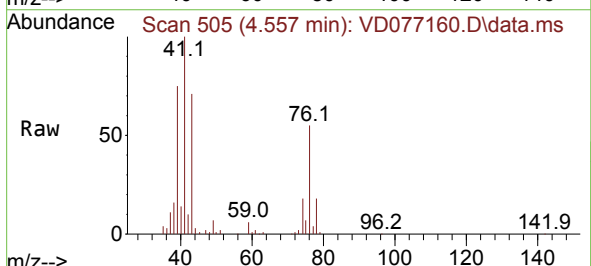
Instrument :  
MSVOA\_D  
ClientSampleId :



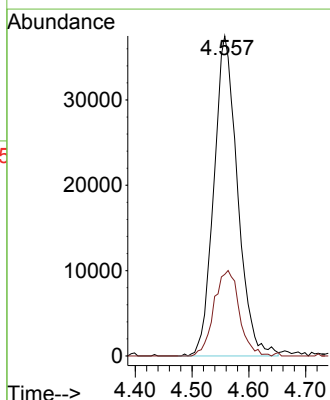
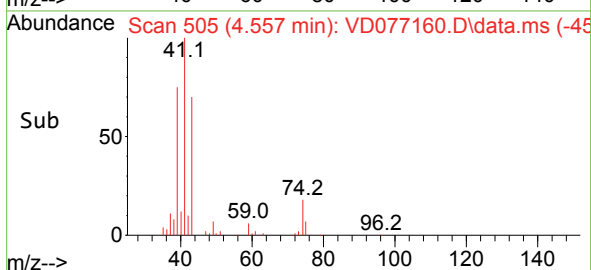
Tgt Ion: 76 Resp: 426715  
Ion Ratio Lower Upper  
76 100  
78 9.2 6.8 10.2

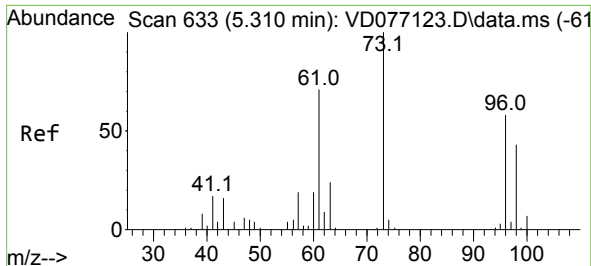


#18  
Methyl Acetate  
Concen: 54.271 ug/l  
RT: 4.557 min Scan# 505  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02



Tgt Ion: 43 Resp: 108559  
Ion Ratio Lower Upper  
43 100  
74 28.5 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 54.805 ug/l

RT: 5.310 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

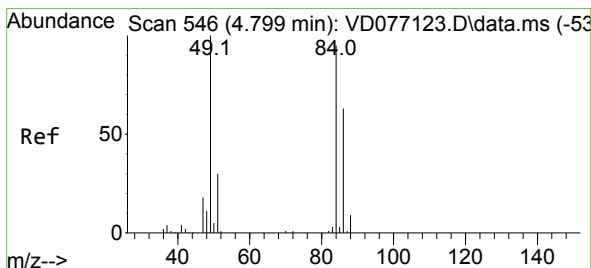
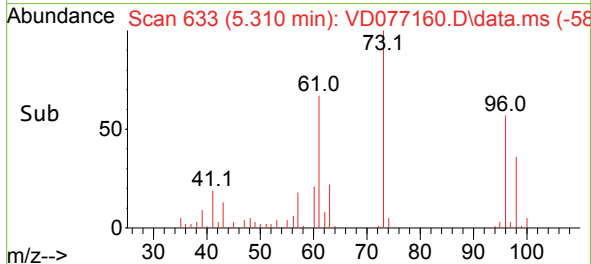
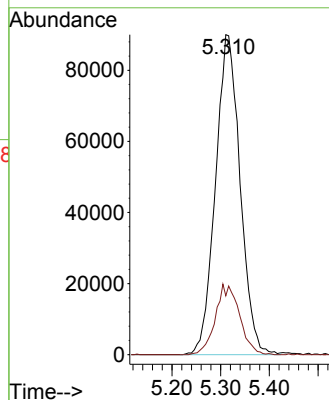
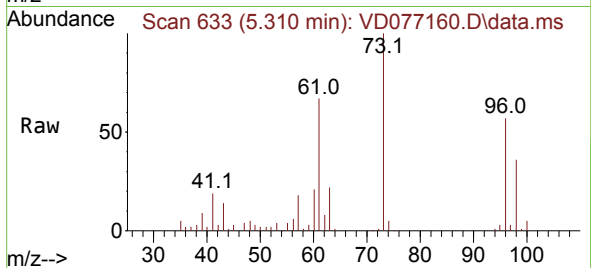
ClientSampleId :

Tgt Ion: 73 Resp: 316390

Ion Ratio Lower Upper

73 100

57 18.4 16.6 25.0



#20

Methylene Chloride

Concen: 53.493 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Tgt Ion: 84 Resp: 181467

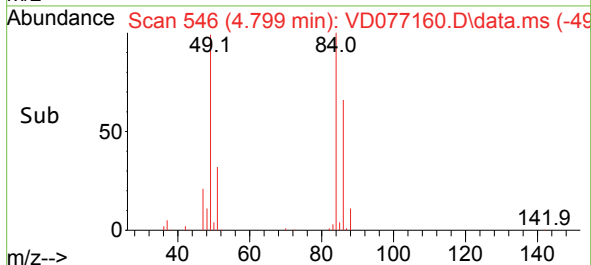
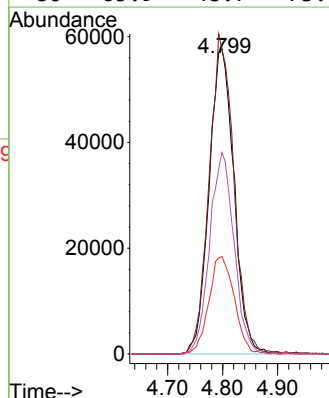
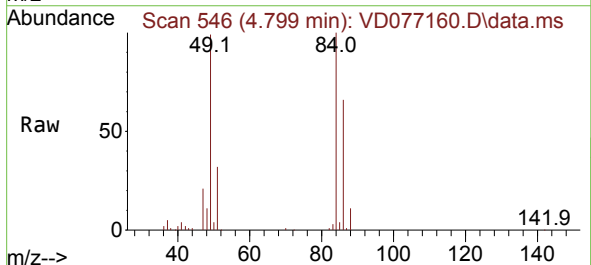
Ion Ratio Lower Upper

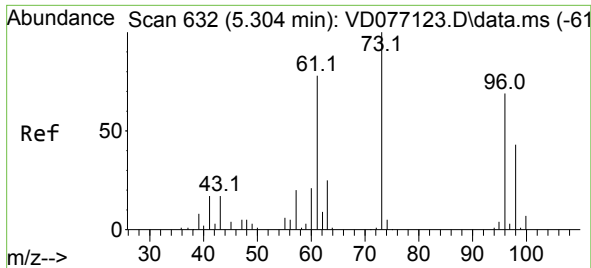
84 100

49 99.5 71.4 107.2

51 31.9 24.5 36.7

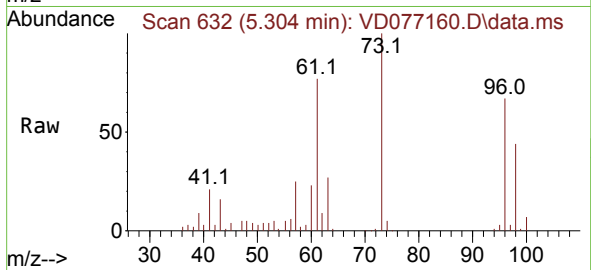
86 65.9 48.7 73.1



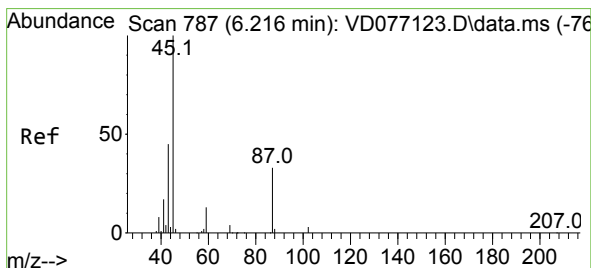
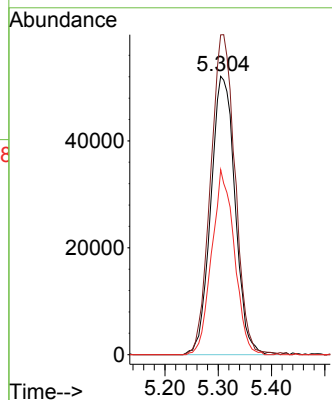
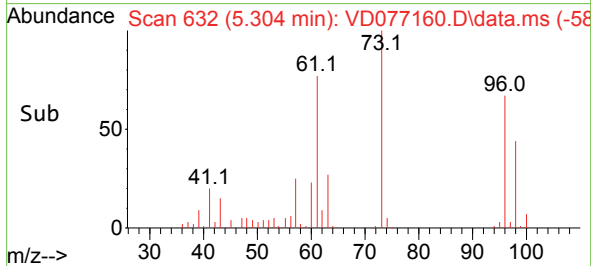


#21  
trans-1,2-Dichloroethene  
Concen: 50.975 ug/l  
RT: 5.304 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Instrument :  
MSVOA\_D  
ClientSampleId :

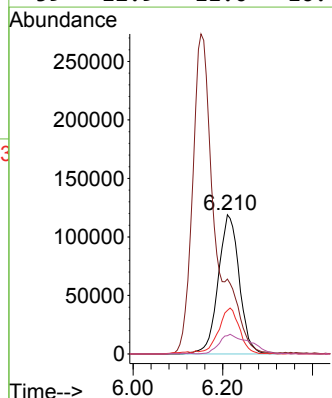
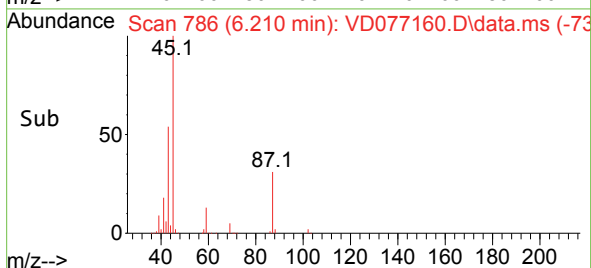
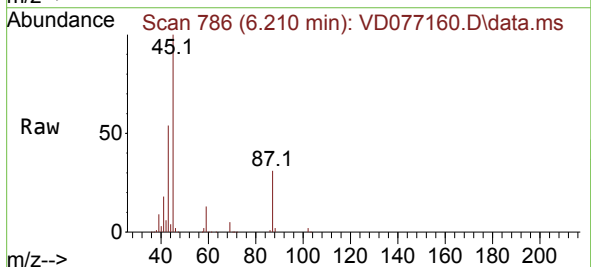


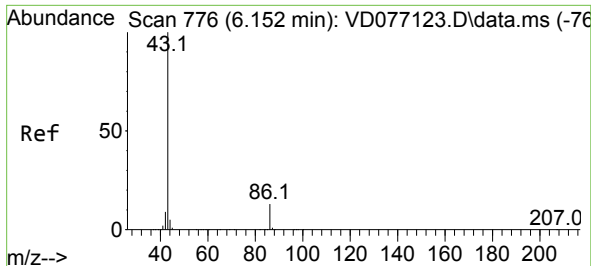
Tgt Ion: 96 Resp: 164393  
Ion Ratio Lower Upper  
96 100  
61 114.9 89.3 133.9  
98 66.5 48.6 73.0



#22  
Diisopropyl ether  
Concen: 52.648 ug/l  
RT: 6.210 min Scan# 786  
Delta R.T. -0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

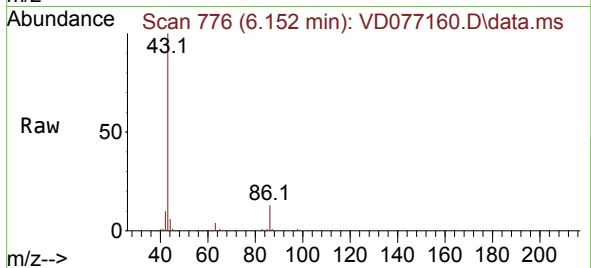
Tgt Ion: 45 Resp: 387456  
Ion Ratio Lower Upper  
45 100  
43 52.8 40.0 60.0  
87 31.1 28.2 42.4  
59 12.9 11.0 16.4



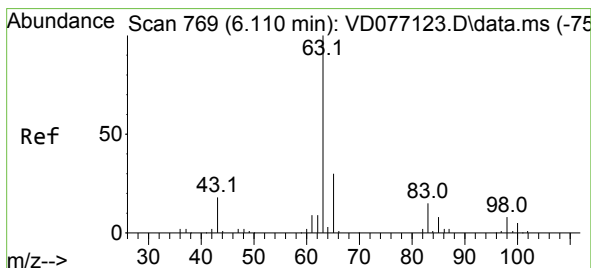
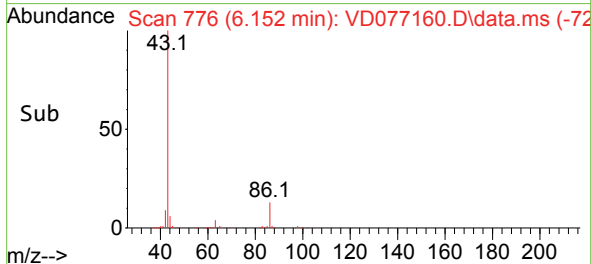
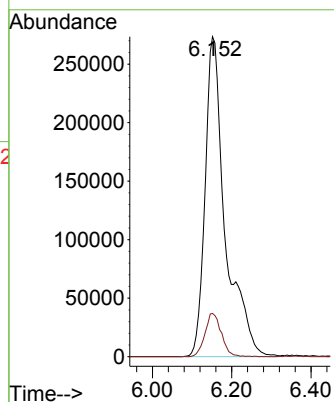


#23  
 Vinyl Acetate  
 Concen: 328.237 ug/l  
 RT: 6.152 min Scan# 776  
 Delta R.T. 0.000 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

Instrument :  
 MSVOA\_D  
 ClientSampleId :

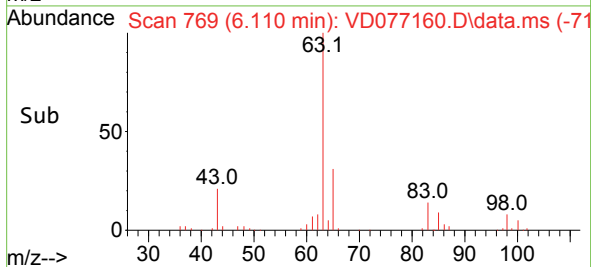
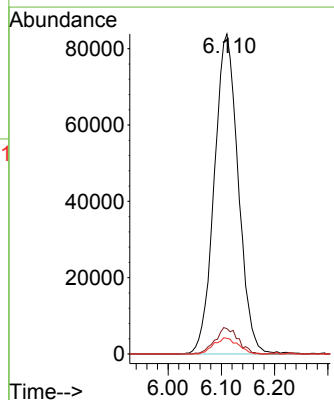
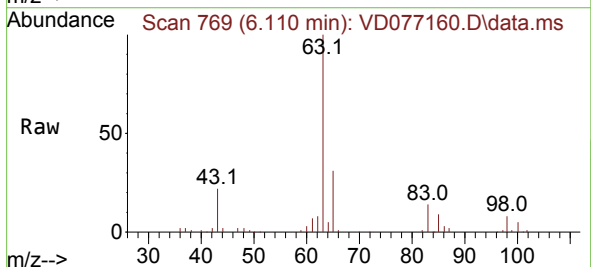


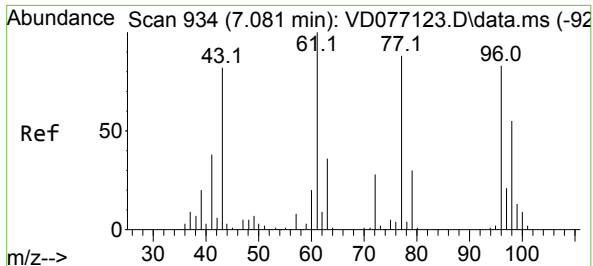
Tgt Ion: 43 Resp: 965718  
 Ion Ratio Lower Upper  
 43 100  
 86 13.5 12.5 18.7



#24  
 1,1-Dichloroethane  
 Concen: 49.523 ug/l  
 RT: 6.110 min Scan# 769  
 Delta R.T. 0.000 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

Tgt Ion: 63 Resp: 261580  
 Ion Ratio Lower Upper  
 63 100  
 98 7.9 4.5 13.7  
 100 4.9 2.5 7.5





#25

2-Butanone

Concen: 288.841 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

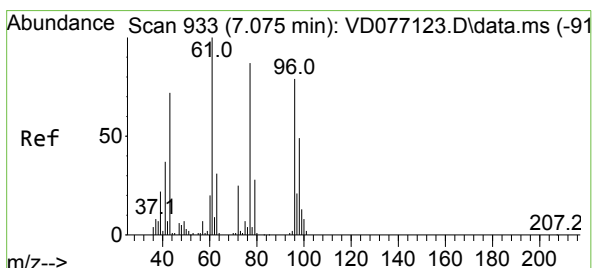
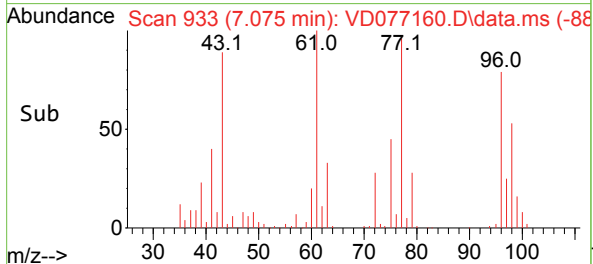
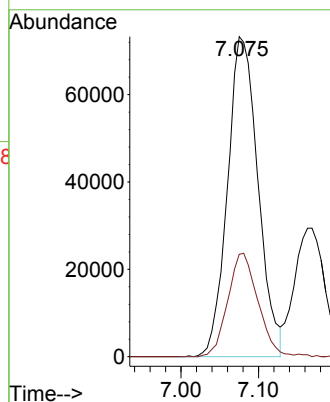
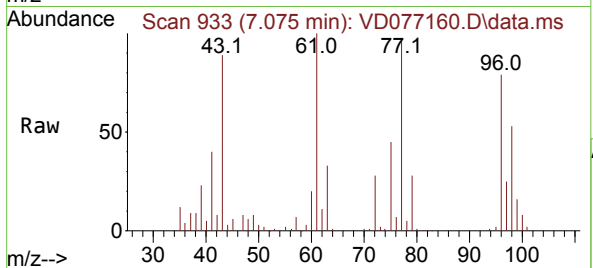
ClientSampleId :

Tgt Ion: 43 Resp: 201018

Ion Ratio Lower Upper

43 100

72 32.0 30.7 46.1



#26

2,2-Dichloropropane

Concen: 53.164 ug/l

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD077160.D

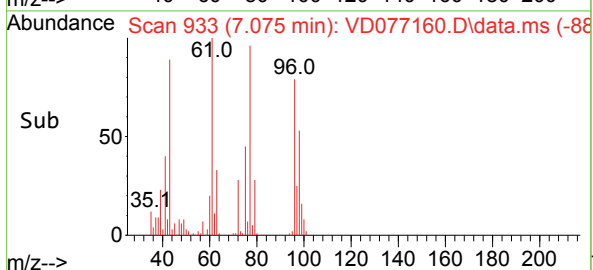
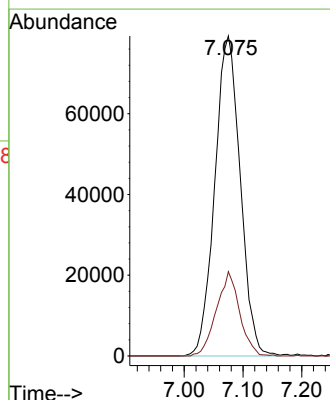
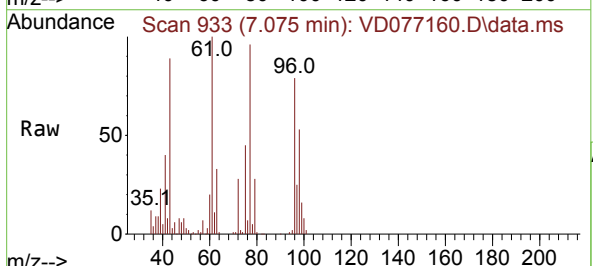
Acq: 20 Sep 2023 10:02

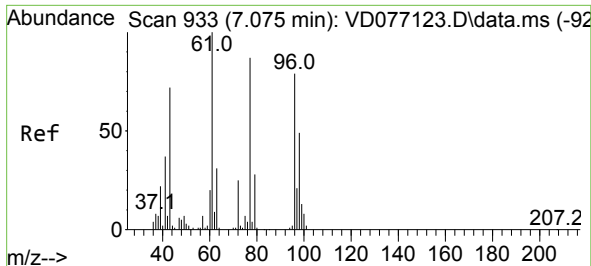
Tgt Ion: 77 Resp: 238364

Ion Ratio Lower Upper

77 100

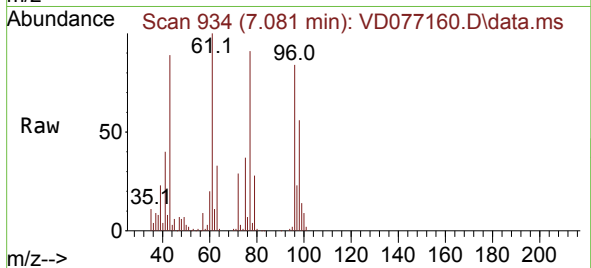
97 23.9 13.2 39.6



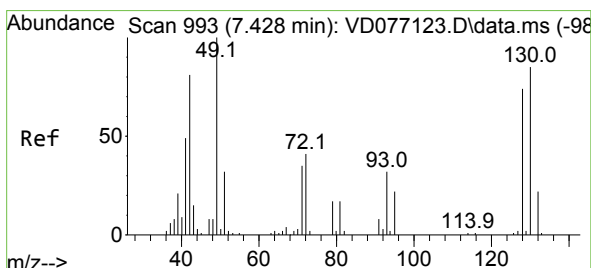
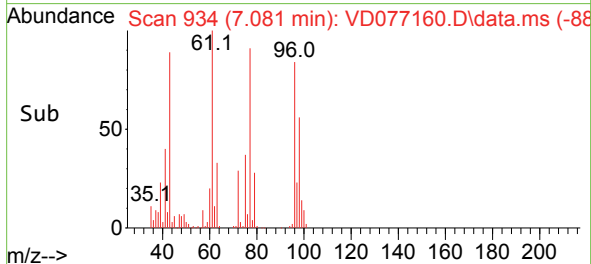
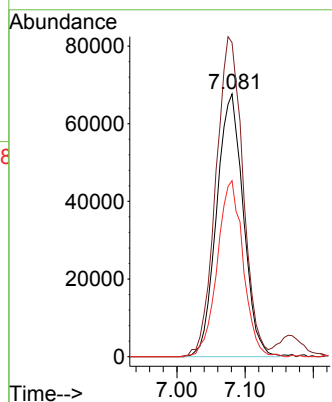


#27  
 cis-1,2-Dichloroethene  
 Concen: 50.805 ug/l  
 RT: 7.081 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

Instrument :  
 MSVOA\_D  
 ClientSampleId :

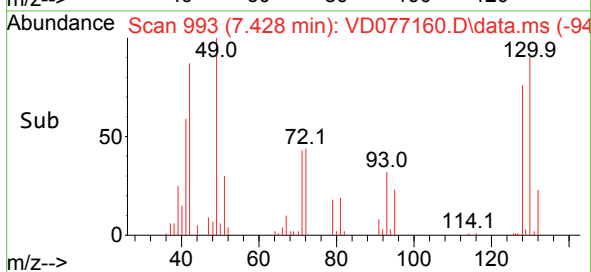
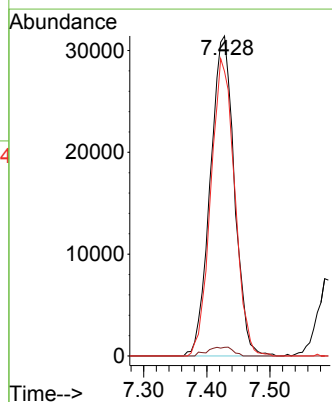
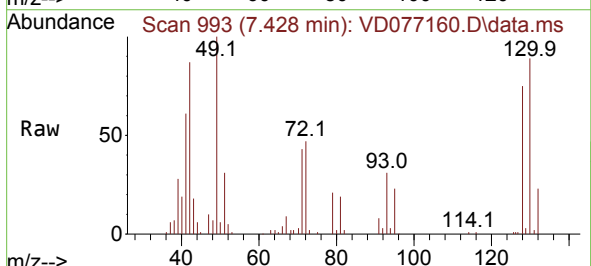


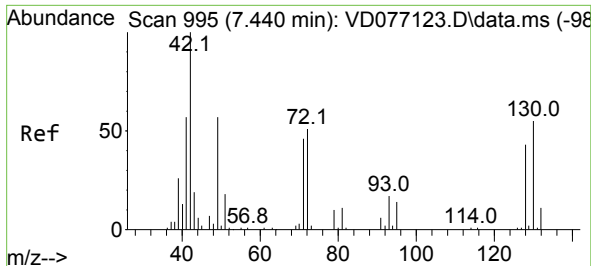
Tgt Ion: 96 Resp: 184190  
 Ion Ratio Lower Upper  
 96 100  
 61 123.7 0.0 239.2  
 98 65.0 0.0 128.6



#28  
 Bromochloromethane  
 Concen: 51.287 ug/l  
 RT: 7.428 min Scan# 993  
 Delta R.T. 0.000 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

Tgt Ion: 49 Resp: 83185  
 Ion Ratio Lower Upper  
 49 100  
 129 2.9 0.0 6.0  
 130 92.0 83.2 124.8





#29

Tetrahydrofuran

Concen: 280.069 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

ClientSampleId :

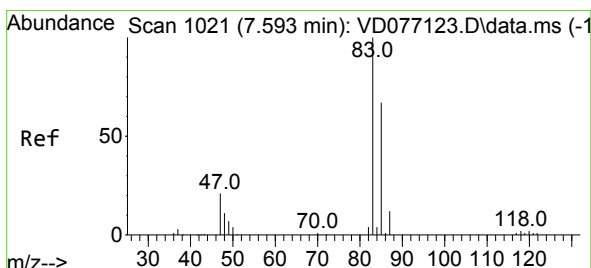
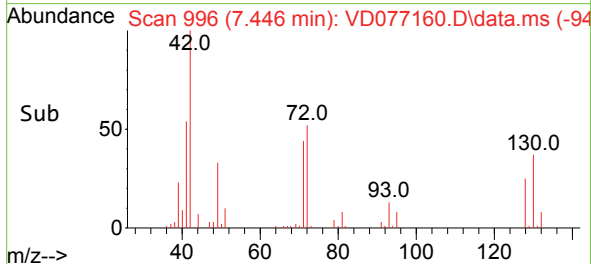
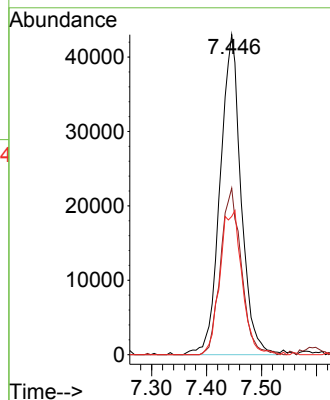
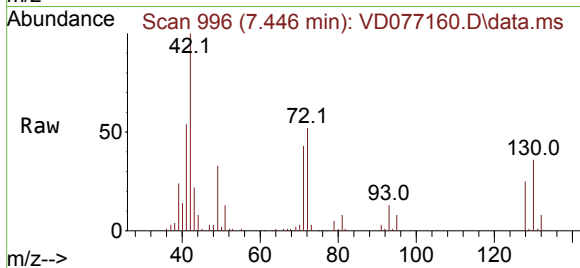
Tgt Ion: 42 Resp: 113944

Ion Ratio Lower Upper

42 100

72 51.3 46.5 69.7

71 47.8 44.5 66.7



#30

Chloroform

Concen: 50.421 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. 0.000 min

Lab File: VD077160.D

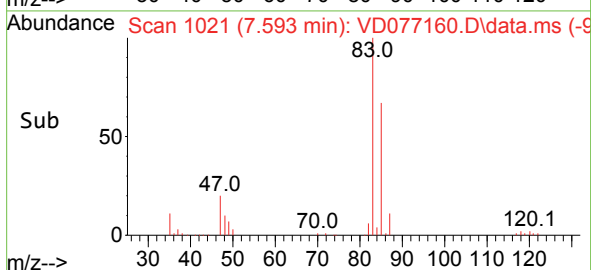
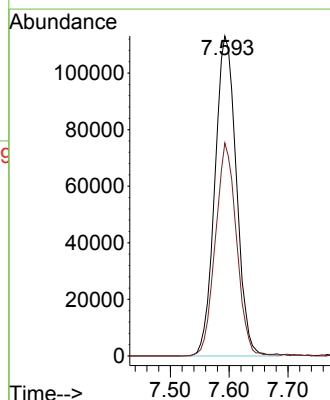
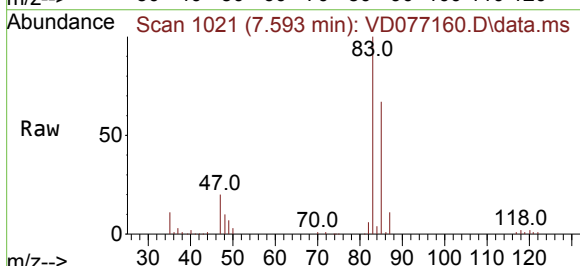
Acq: 20 Sep 2023 10:02

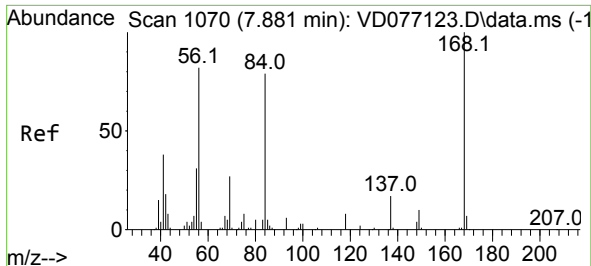
Tgt Ion: 83 Resp: 287024

Ion Ratio Lower Upper

83 100

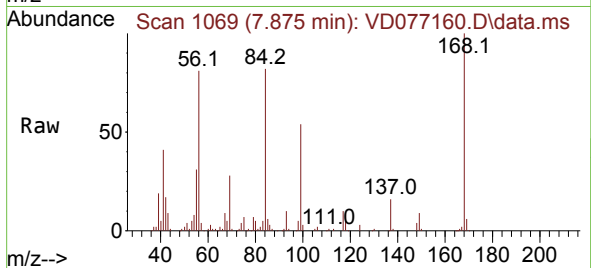
85 66.6 53.4 80.2



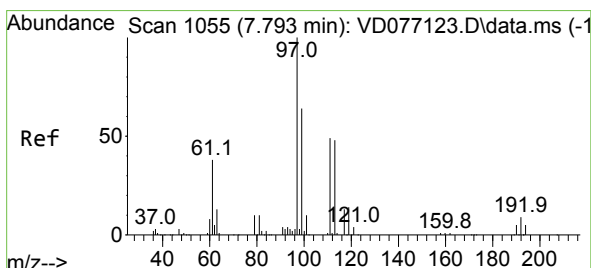
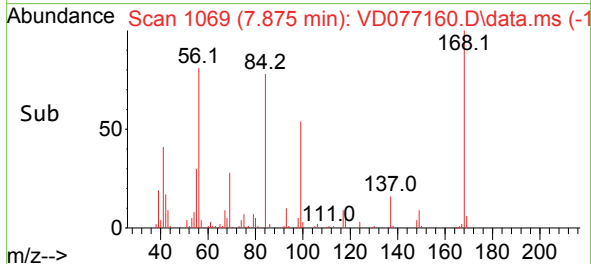
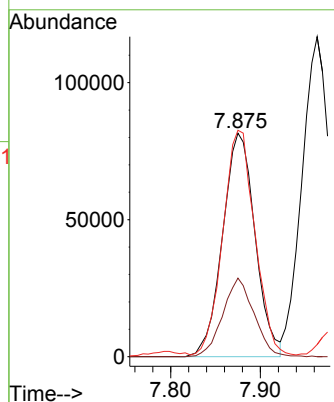


#31  
Cyclohexane  
Concen: 50.659 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Instrument :  
MSVOA\_D  
ClientSampleId :

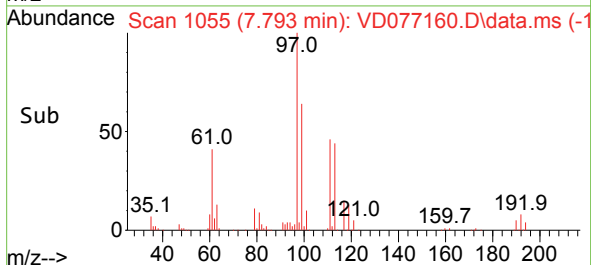
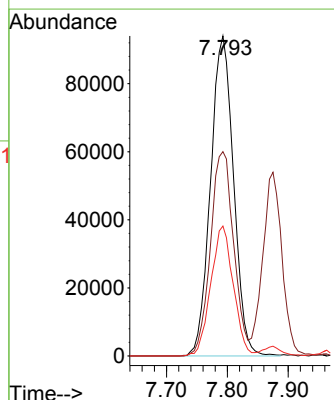
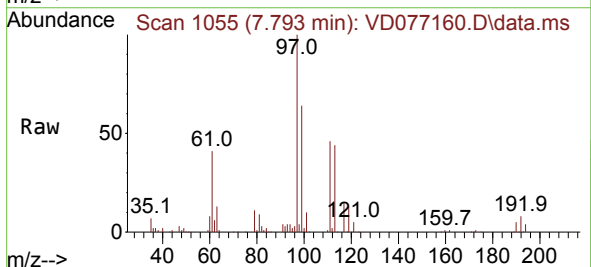


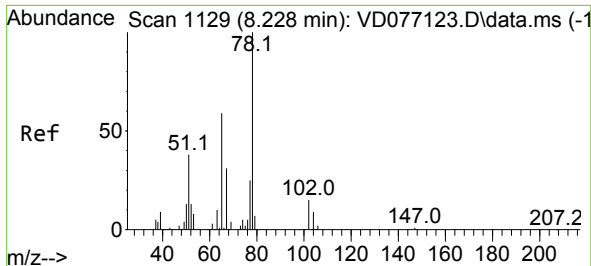
Tgt Ion: 56 Resp: 205130  
Ion Ratio Lower Upper  
56 100  
69 35.2 28.6 43.0  
84 99.9 84.8 127.2



#32  
1,1,1-Trichloroethane  
Concen: 51.901 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 97 Resp: 246617  
Ion Ratio Lower Upper  
97 100  
99 64.5 52.0 78.0  
61 39.7 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 49.351 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

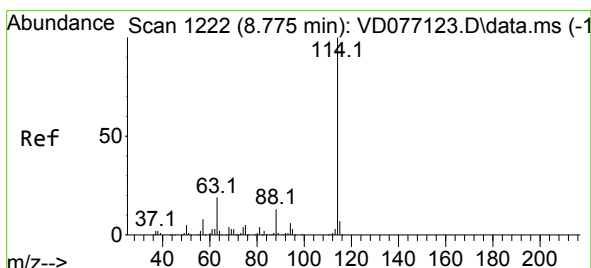
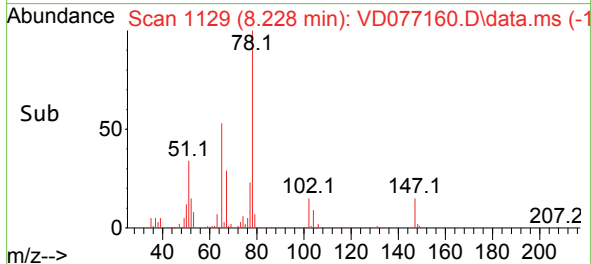
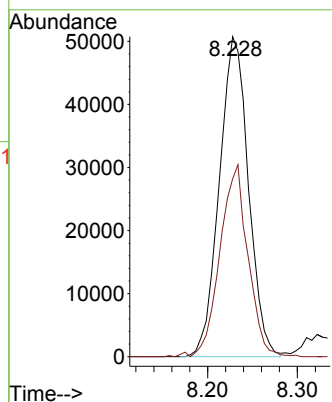
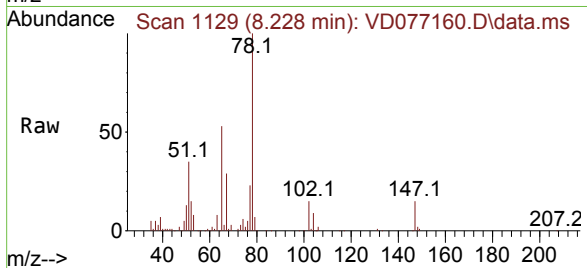
ClientSampleId :

Tgt Ion: 65 Resp: 114225

Ion Ratio Lower Upper

65 100

67 57.8 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

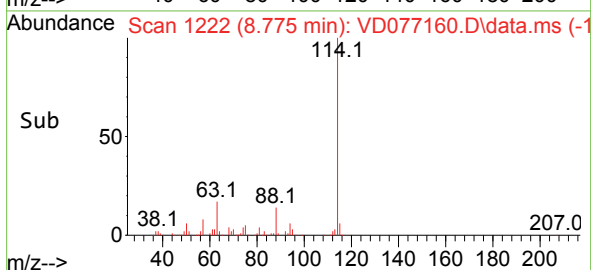
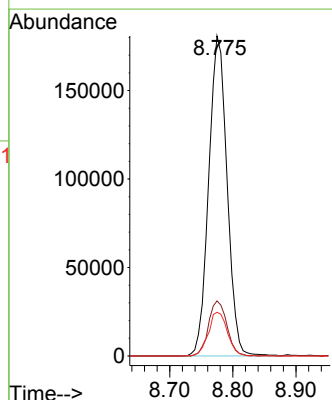
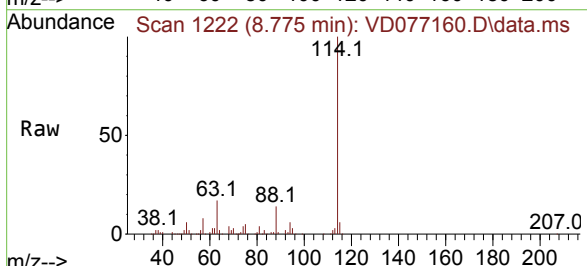
Tgt Ion: 114 Resp: 365861

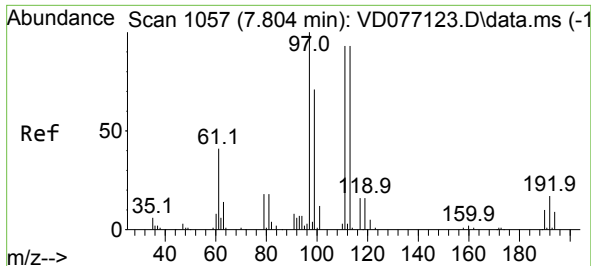
Ion Ratio Lower Upper

114 100

63 17.2 0.0 33.4

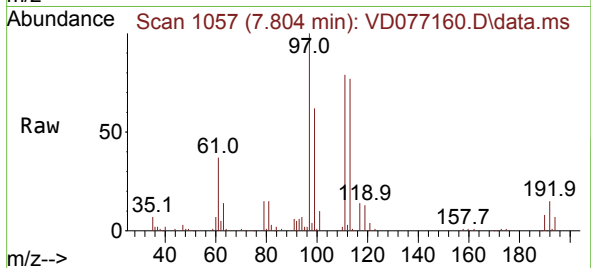
88 13.6 0.0 26.2



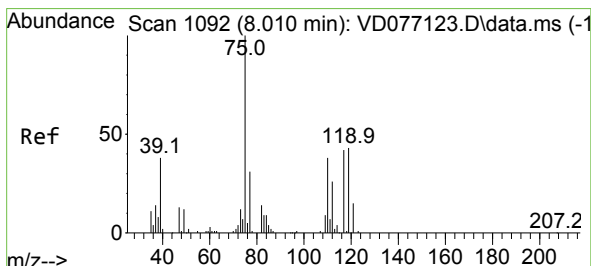
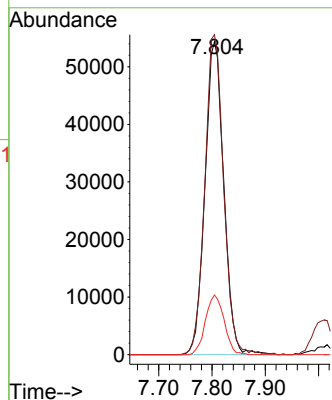
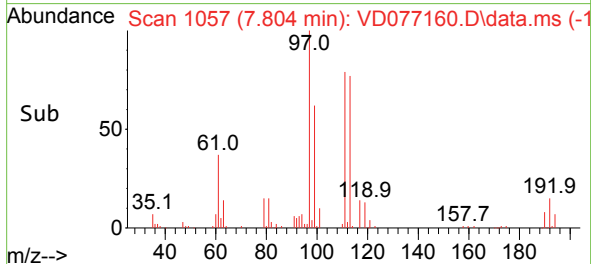


#35  
Dibromofluoromethane  
Concen: 52.527 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

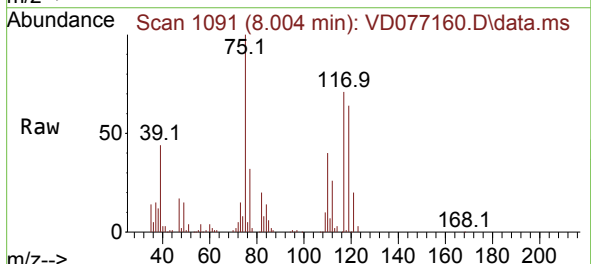
Instrument :  
MSVOA\_D  
ClientSampleId :



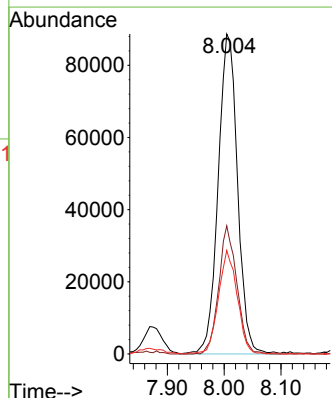
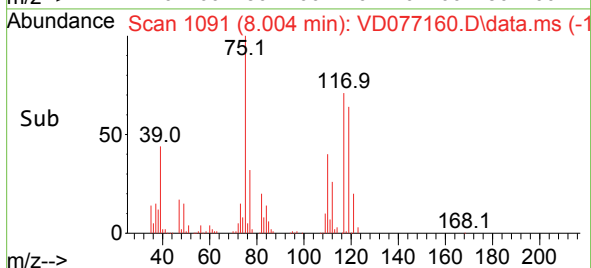
Tgt Ion:113 Resp: 133485  
Ion Ratio Lower Upper  
113 100  
111 102.2 84.7 127.1  
192 18.9 16.8 25.2

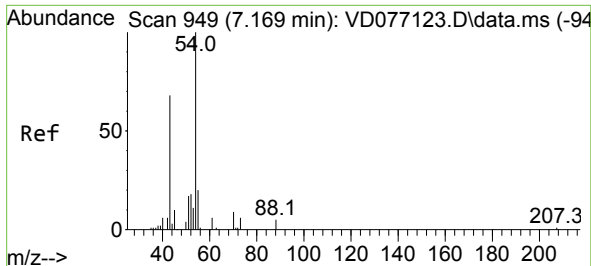


#36  
1,1-Dichloropropene  
Concen: 55.035 ug/l  
RT: 8.004 min Scan# 1091  
Delta R.T. -0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02



Tgt Ion: 75 Resp: 210626  
Ion Ratio Lower Upper  
75 100  
110 37.4 19.9 59.6  
77 31.3 24.7 37.1

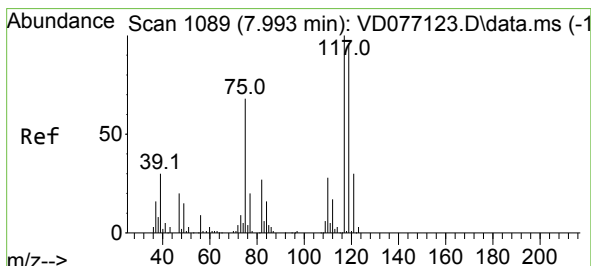
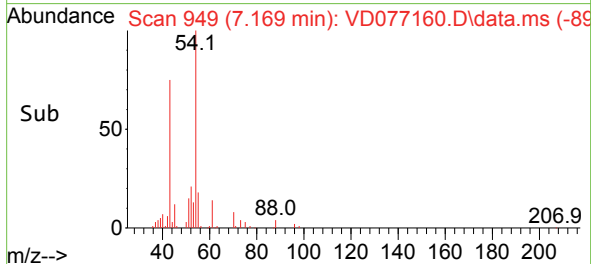
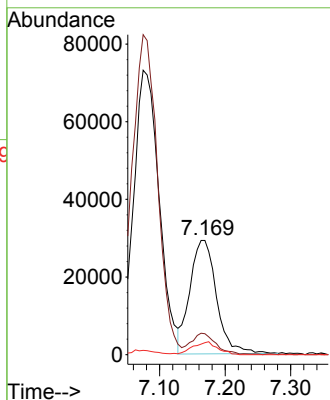
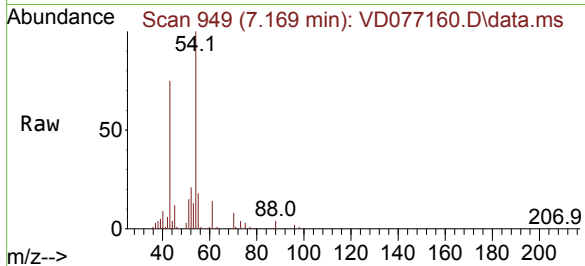




#37  
Ethyl Acetate  
Concen: 56.416 ug/l  
RT: 7.169 min Scan# 949  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

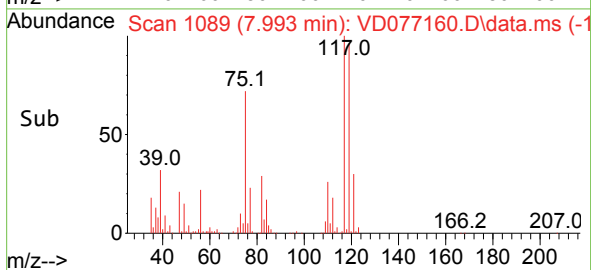
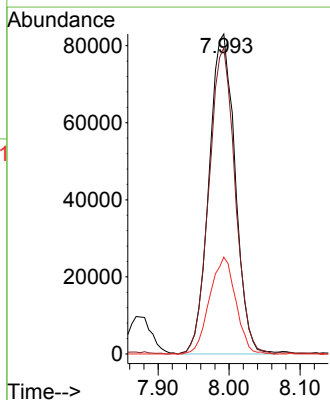
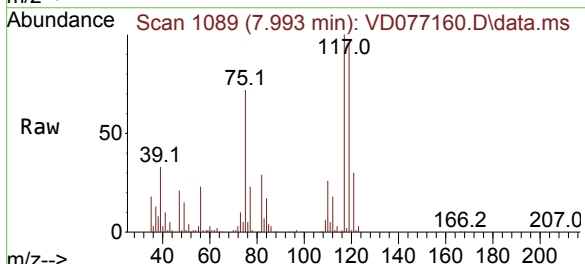
Instrument :  
MSVOA\_D  
ClientSampleId :

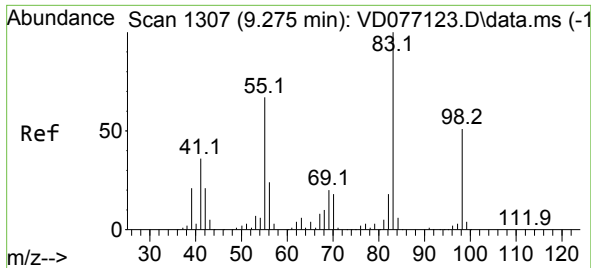
Tgt Ion: 43 Resp: 82838  
Ion Ratio Lower Upper  
43 100  
61 17.9 14.9 22.3  
70 10.7 10.0 15.0



#38  
Carbon Tetrachloride  
Concen: 56.355 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 117 Resp: 211982  
Ion Ratio Lower Upper  
117 100  
119 95.7 78.0 117.0  
121 30.2 24.2 36.2

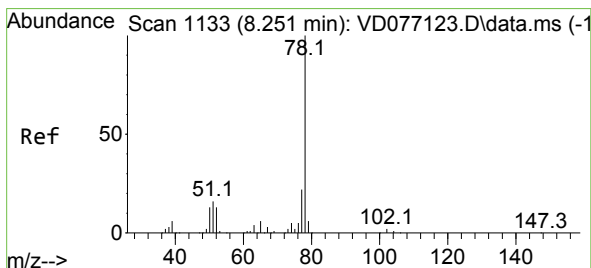
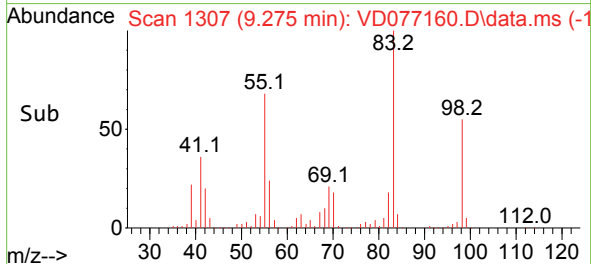
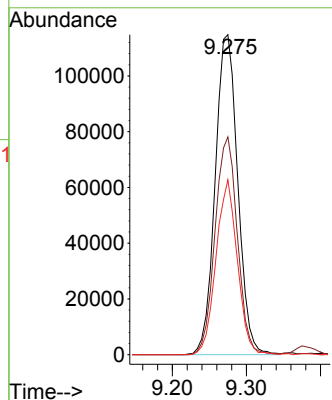
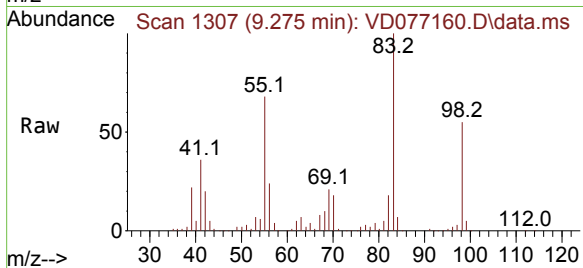




#39  
Methylcyclohexane  
Concen: 55.132 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

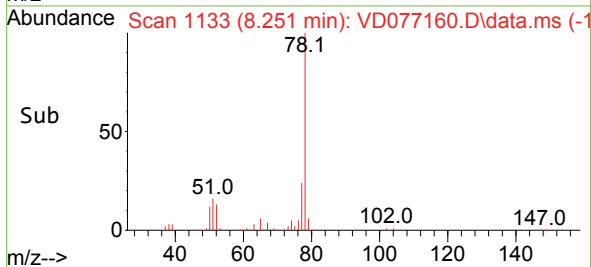
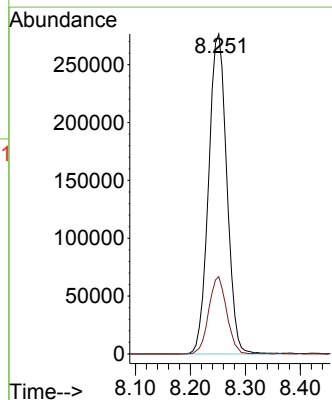
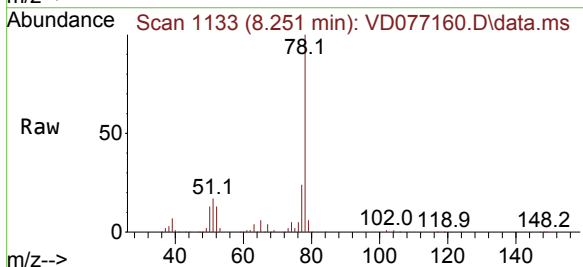
Instrument :  
MSVOA\_D  
ClientSampleId :

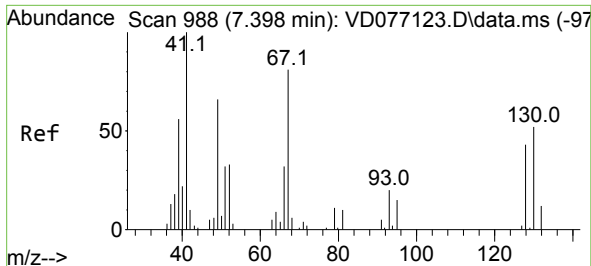
Tgt Ion: 83 Resp: 242774  
Ion Ratio Lower Upper  
83 100  
55 68.1 49.4 74.0  
98 54.7 38.4 57.6



#40  
Benzene  
Concen: 53.695 ug/l  
RT: 8.251 min Scan# 1133  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 78 Resp: 635794  
Ion Ratio Lower Upper  
78 100  
77 24.1 19.4 29.0

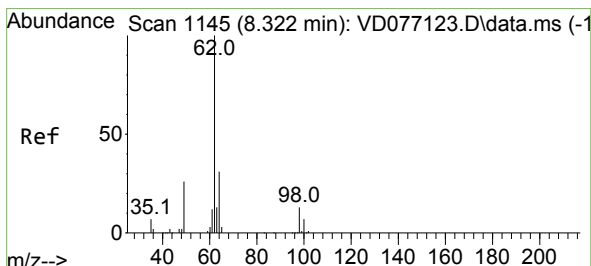
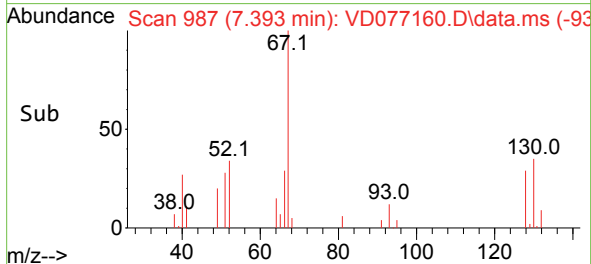
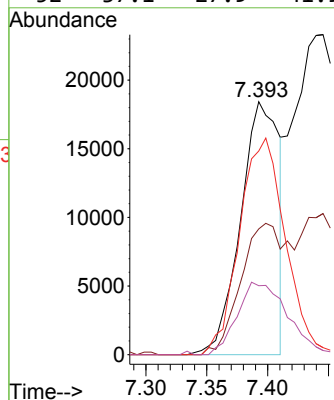
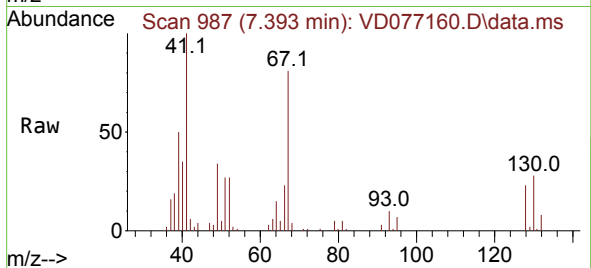




#41  
Methacrylonitrile  
Concen: 51.780 ug/l  
RT: 7.393 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

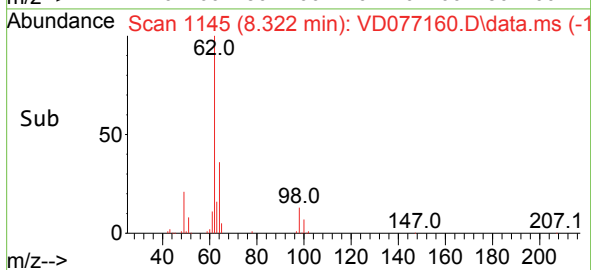
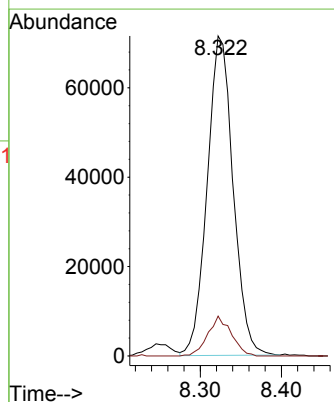
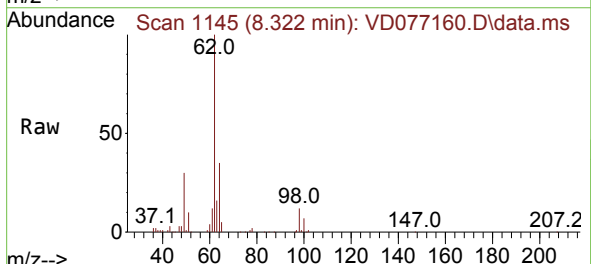
Instrument :  
MSVOA\_D  
ClientSampleId :

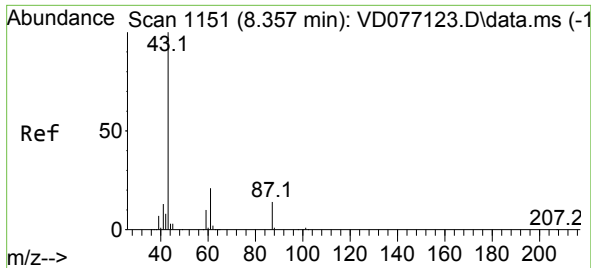
Tgt Ion: 41 Resp: 40581  
Ion Ratio Lower Upper  
41 100  
39 66.0 34.0 51.0#  
67 101.9 77.0 115.4  
52 37.1 27.9 41.9



#42  
1,2-Dichloroethane  
Concen: 54.051 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

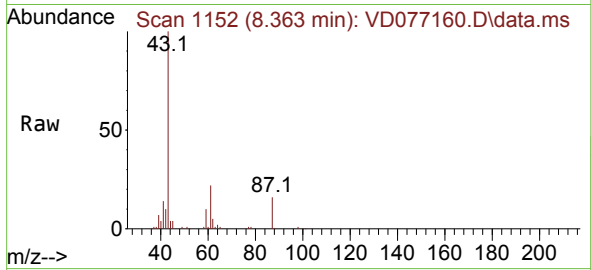
Tgt Ion: 62 Resp: 158677  
Ion Ratio Lower Upper  
62 100  
98 11.3 0.0 25.4



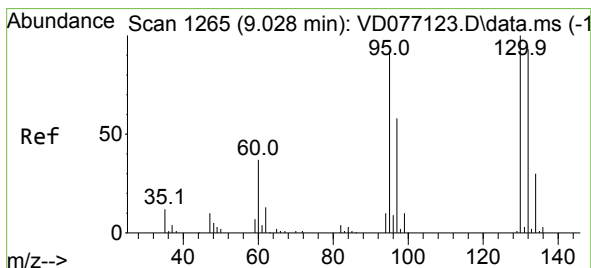
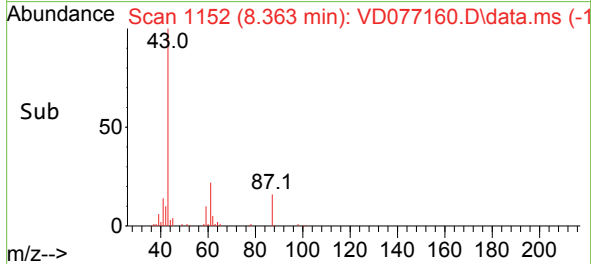
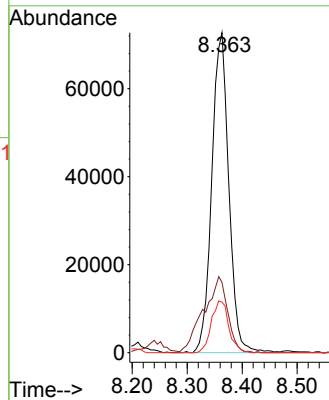


#43  
Isopropyl Acetate  
Concen: 57.840 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Instrument :  
MSVOA\_D  
ClientSampleId :

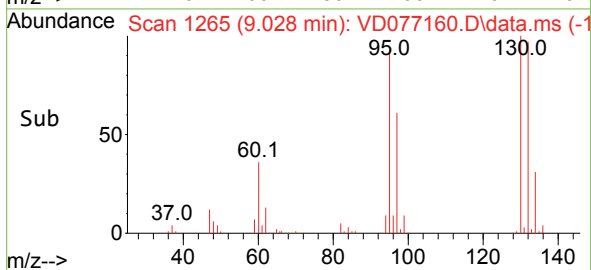
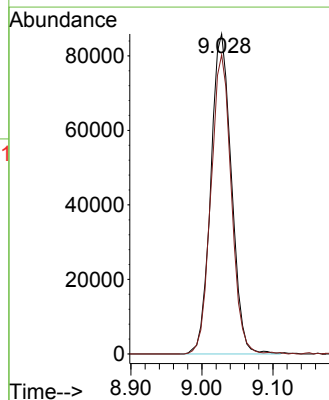
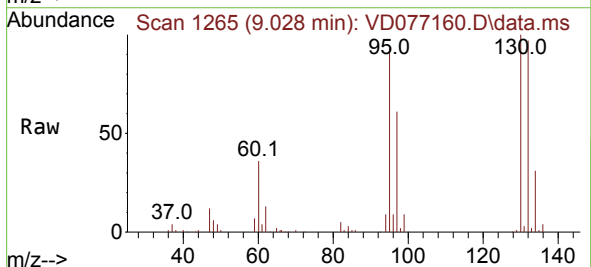


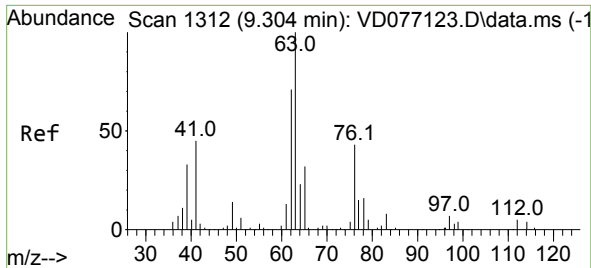
Tgt Ion: 43 Resp: 156370  
Ion Ratio Lower Upper  
43 100  
61 33.4 31.4 47.0  
87 16.6 14.9 22.3



#44  
Trichloroethene  
Concen: 52.805 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion:130 Resp: 173052  
Ion Ratio Lower Upper  
130 100  
95 93.4 0.0 179.2

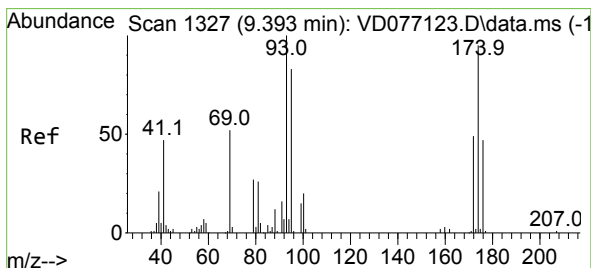
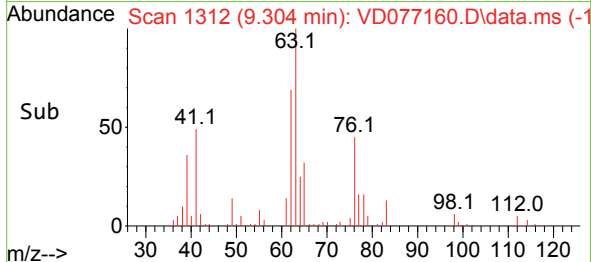
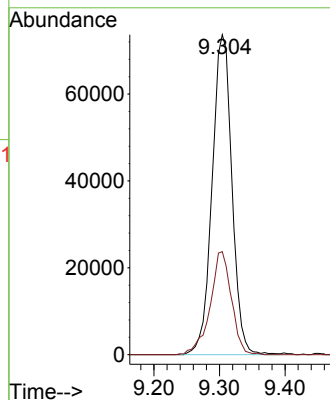
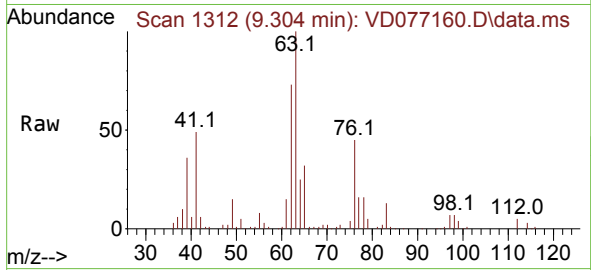




#45  
1,2-Dichloropropane  
Concen: 53.672 ug/l  
RT: 9.304 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

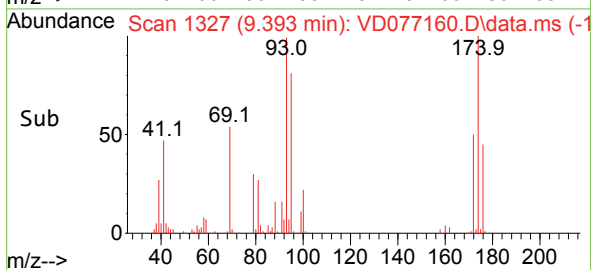
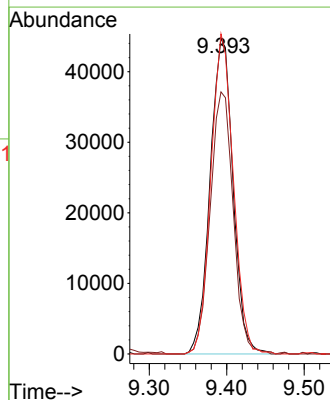
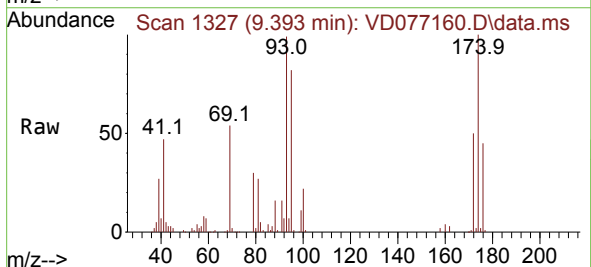
Instrument :  
MSVOA\_D  
ClientSampleId :

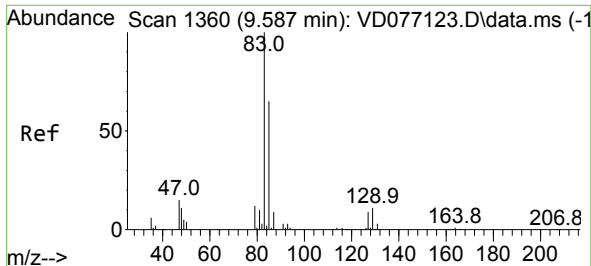
Tgt Ion: 63 Resp: 154360  
Ion Ratio Lower Upper  
63 100  
65 32.2 24.5 36.7



#46  
Dibromomethane  
Concen: 55.031 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

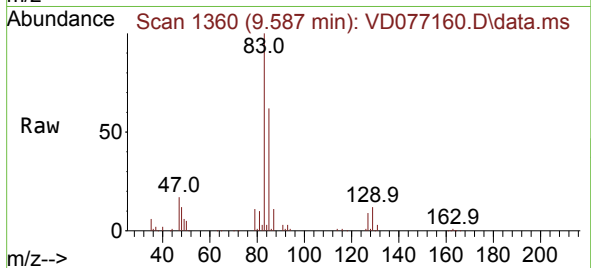
Tgt Ion: 93 Resp: 91970  
Ion Ratio Lower Upper  
93 100  
95 83.2 67.7 101.5  
174 99.1 85.4 128.2



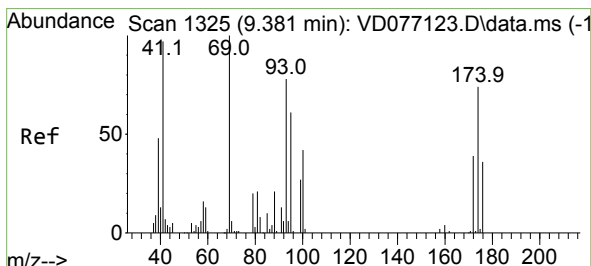
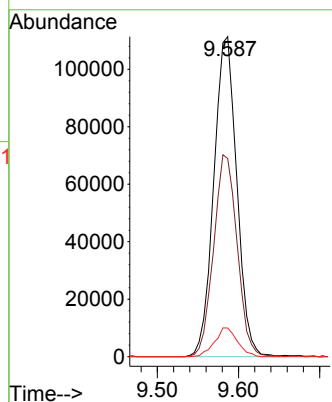
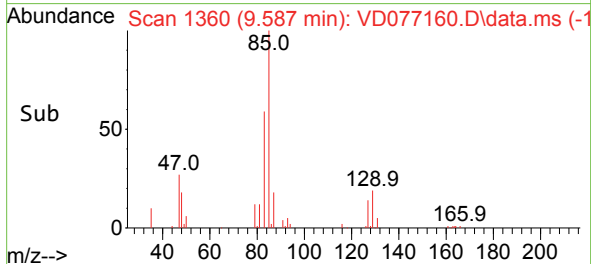


#47  
Bromodichloromethane  
Concen: 54.303 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Instrument :  
MSVOA\_D  
ClientSampleId :

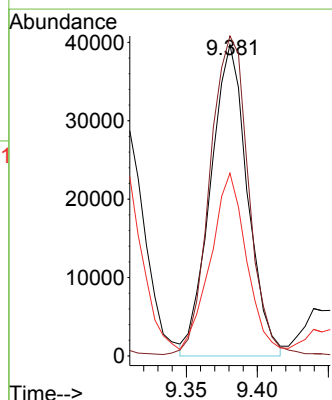
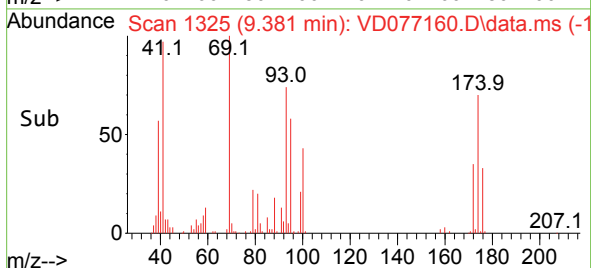
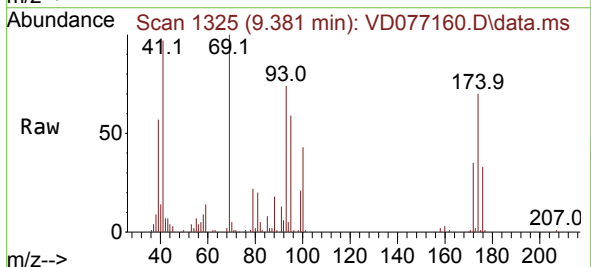


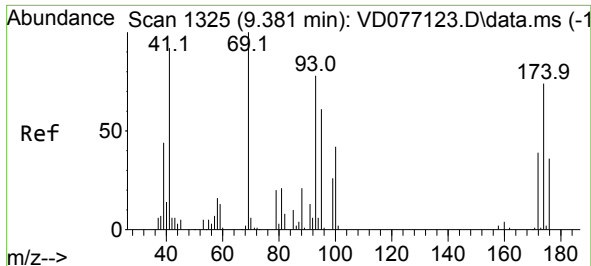
Tgt Ion: 83 Resp: 219307  
Ion Ratio Lower Upper  
83 100  
85 61.9 50.2 75.4  
127 8.9 6.3 9.5



#48  
Methyl methacrylate  
Concen: 58.657 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 41 Resp: 72057  
Ion Ratio Lower Upper  
41 100  
69 107.8 102.2 153.2  
39 54.5 41.4 62.2





#49

1,4-Dioxane

Concen: 1307.231 ug/l

RT: 9.387 min Scan# 11

Delta R.T. 0.006 min

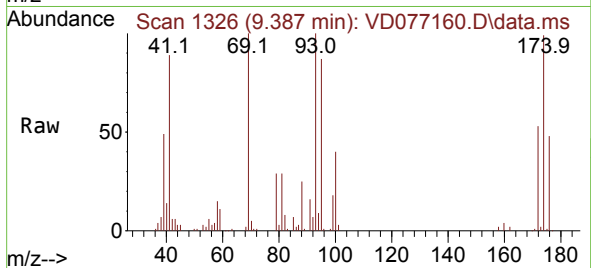
Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

ClientSampleId :



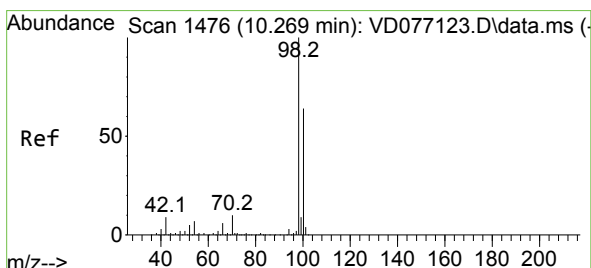
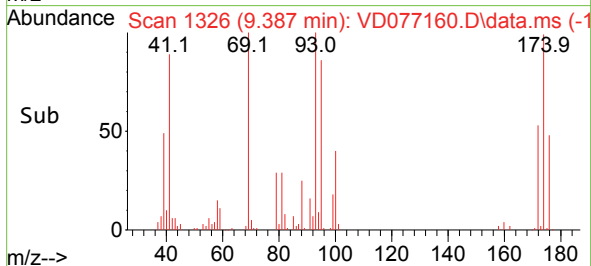
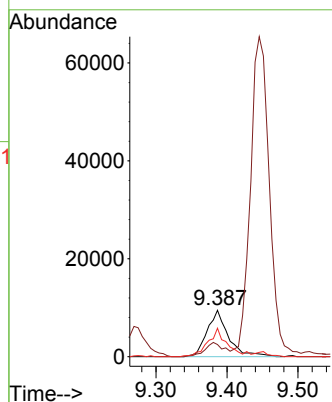
Tgt Ion: 88 Resp: 19720

Ion Ratio Lower Upper

88 100

43 27.3 19.0 28.6

58 53.0 43.5 65.3



#50

Toluene-d8

Concen: 54.387 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077160.D

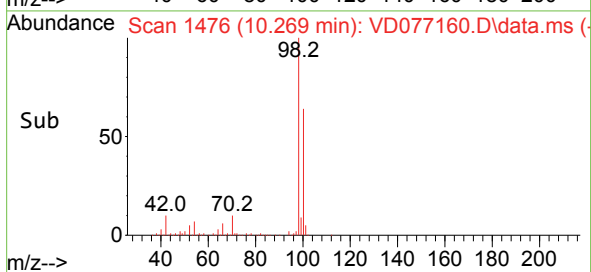
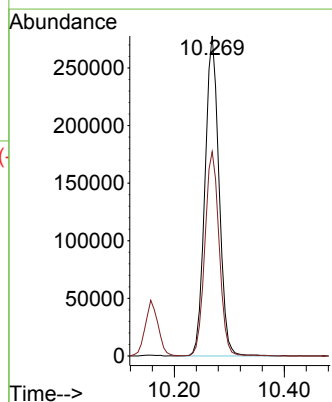
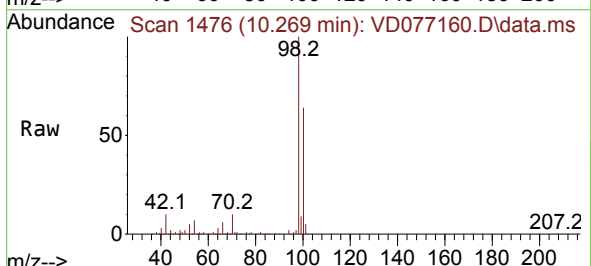
Acq: 20 Sep 2023 10:02

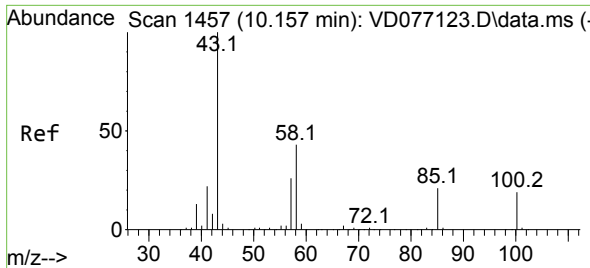
Tgt Ion: 98 Resp: 491953

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

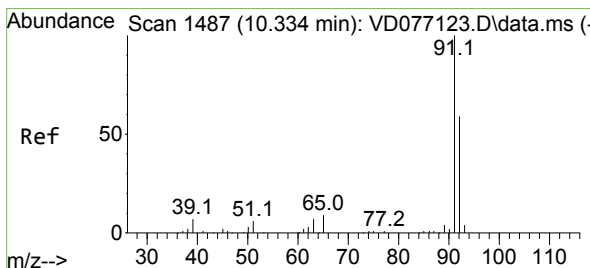
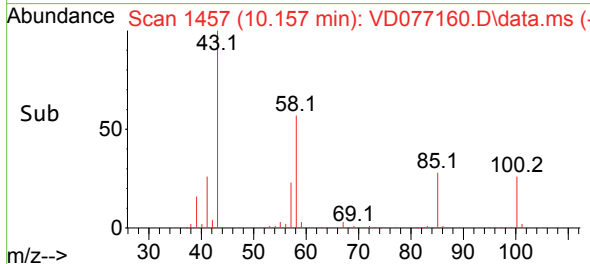
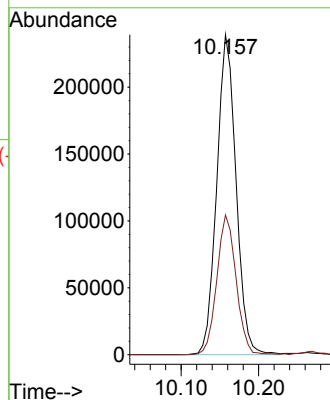
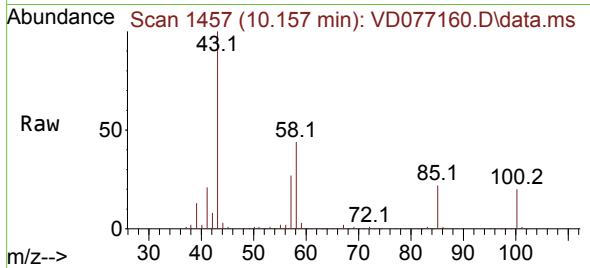




#51  
4-Methyl-2-Pentanone  
Concen: 292.520 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

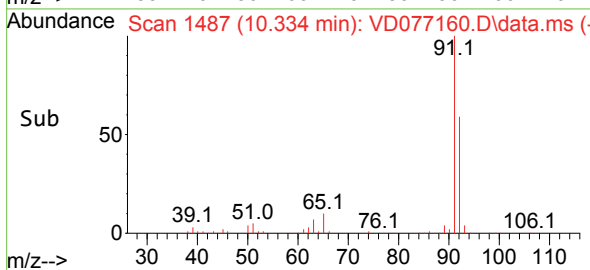
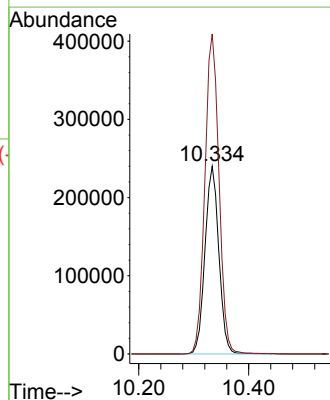
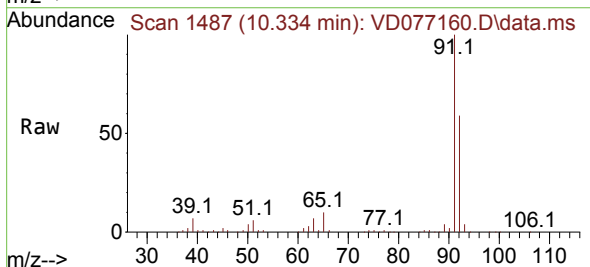
Instrument :  
MSVOA\_D  
ClientSampleId :

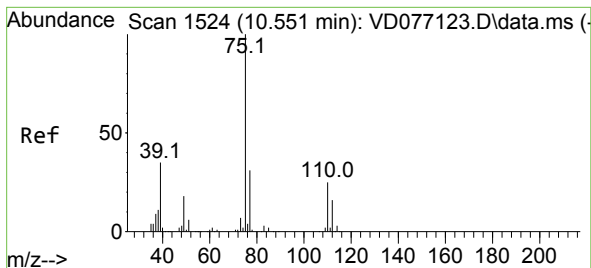
Tgt Ion: 43 Resp: 413591  
Ion Ratio Lower Upper  
43 100  
58 43.6 38.9 58.3



#52  
Toluene  
Concen: 55.420 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 92 Resp: 419807  
Ion Ratio Lower Upper  
92 100  
91 173.4 143.0 214.4





#53

t-1,3-Dichloropropene

Concen: 55.296 ug/l

RT: 10.551 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

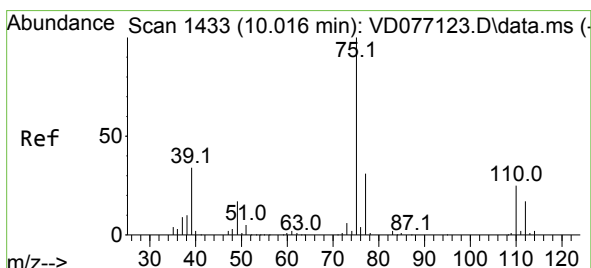
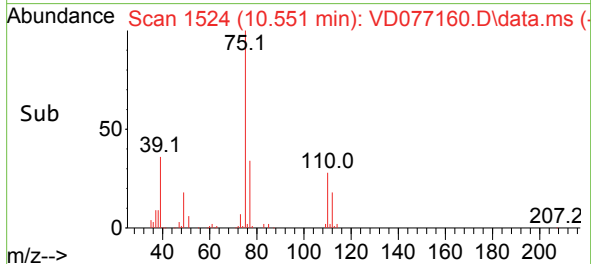
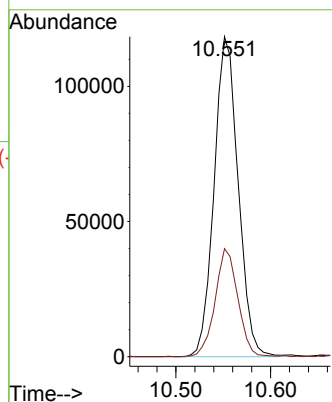
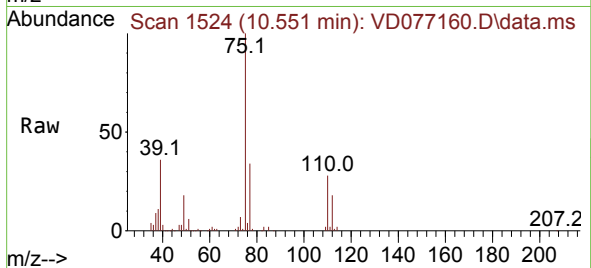
ClientSampleId :

Tgt Ion: 75 Resp: 208634

Ion Ratio Lower Upper

75 100

77 33.8 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 53.902 ug/l

RT: 10.016 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

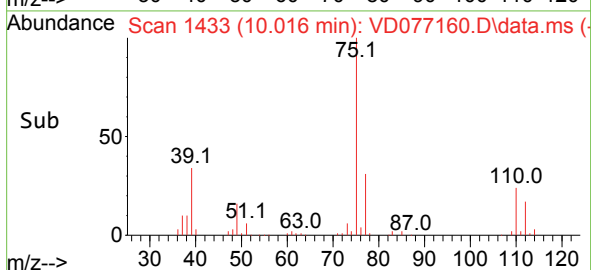
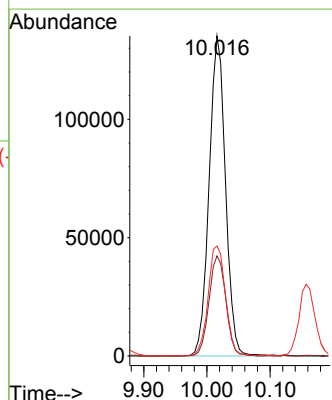
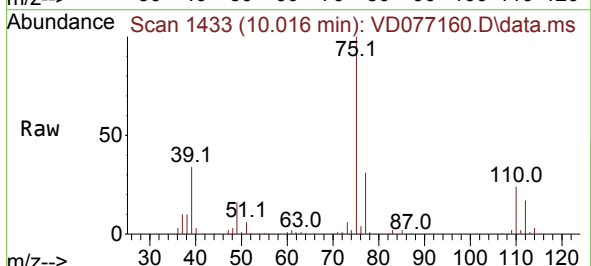
Tgt Ion: 75 Resp: 243664

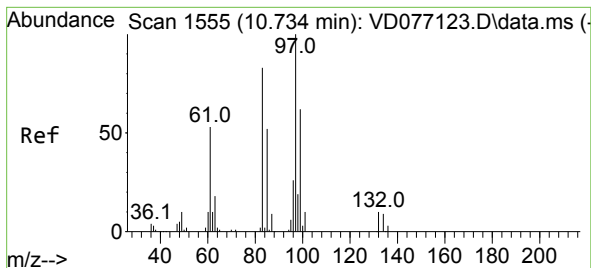
Ion Ratio Lower Upper

75 100

77 31.2 25.5 38.3

39 34.3 22.1 33.1#

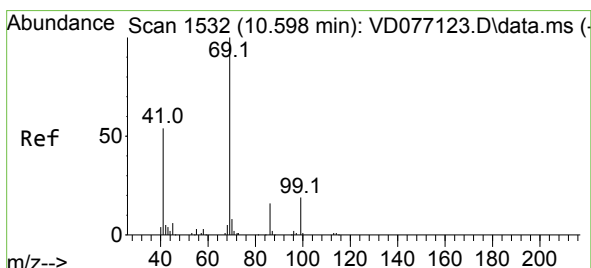
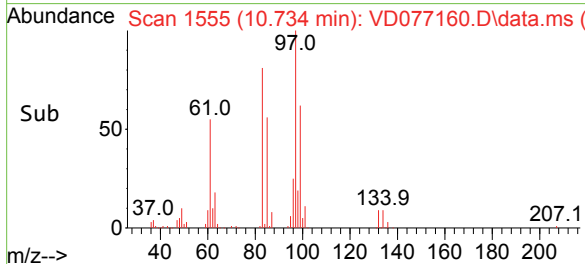
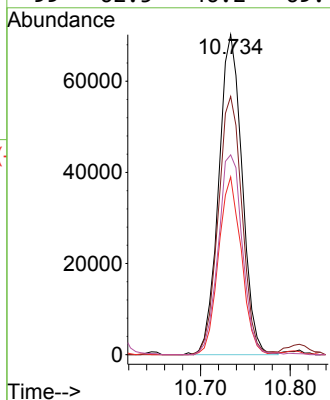
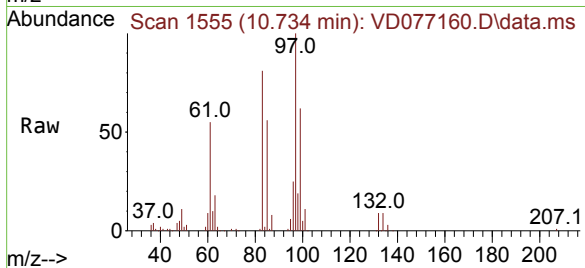




#55  
1,1,2-Trichloroethane  
Concen: 56.011 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

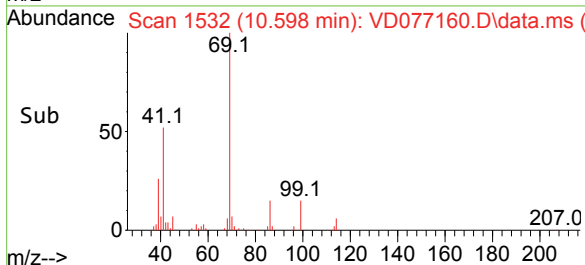
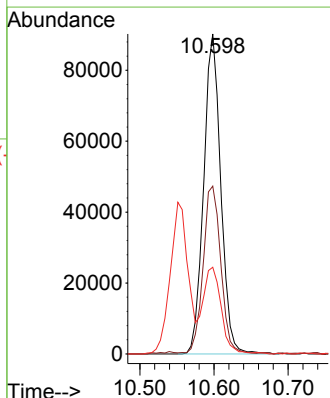
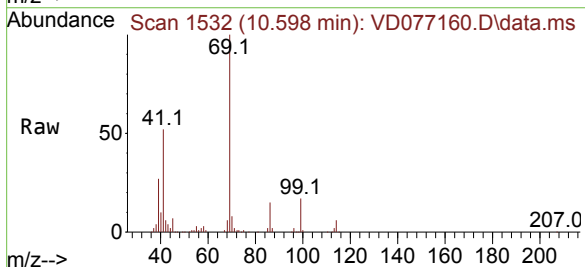
Instrument :  
MSVOA\_D  
ClientSampleId :

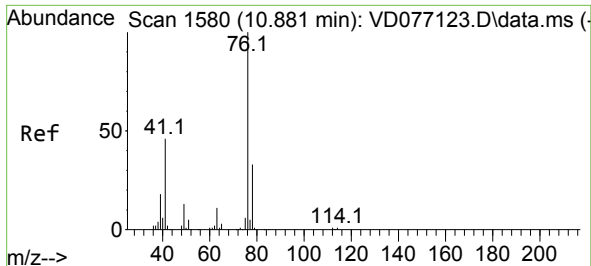
Tgt Ion: 97 Resp: 127317  
Ion Ratio Lower Upper  
97 100  
83 80.7 65.8 98.6  
85 55.5 45.7 68.5  
99 62.5 46.2 69.4



#56  
Ethyl methacrylate  
Concen: 59.316 ug/l  
RT: 10.598 min Scan# 1532  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 69 Resp: 144852  
Ion Ratio Lower Upper  
69 100  
41 53.6 39.1 58.7  
39 28.3 20.0 30.0





#57

1,3-Dichloropropane

Concen: 56.038 ug/l

RT: 10.875 min Scan# 1579

Delta R.T. -0.006 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

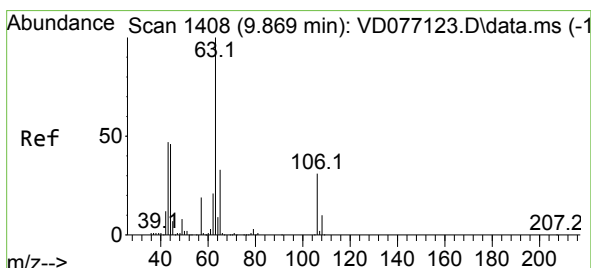
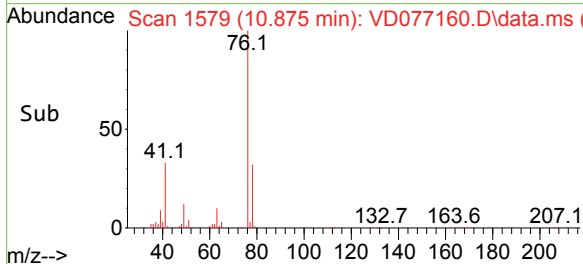
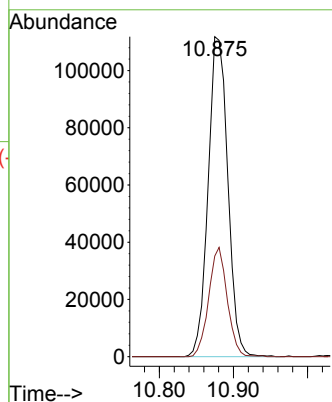
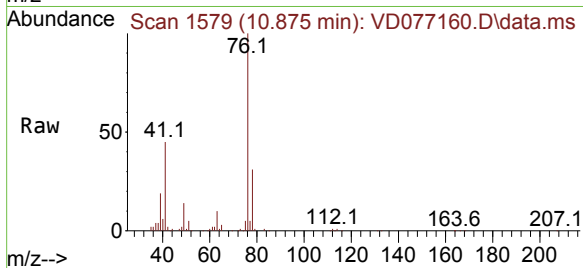
ClientSampleId :

Tgt Ion: 76 Resp: 206205

Ion Ratio Lower Upper

76 100

78 32.2 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 254.750 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD077160.D

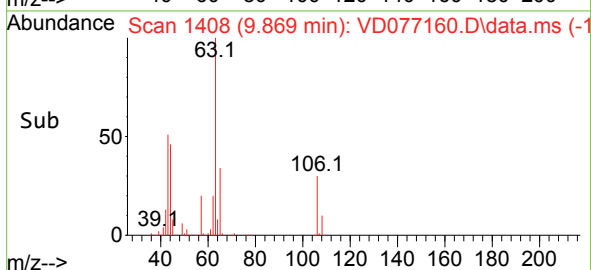
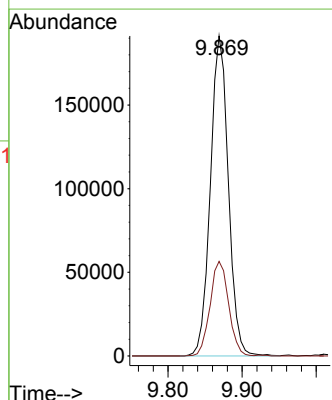
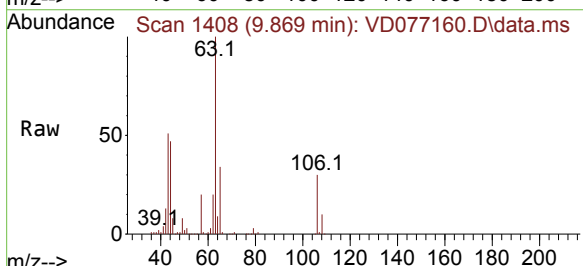
Acq: 20 Sep 2023 10:02

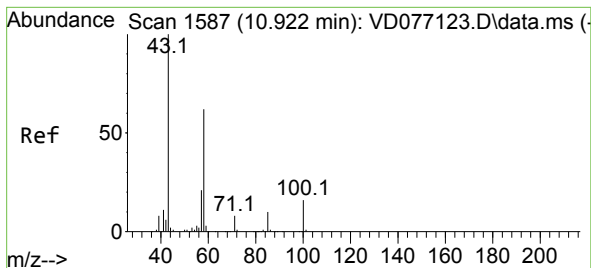
Tgt Ion: 63 Resp: 322182

Ion Ratio Lower Upper

63 100

106 30.5 25.3 37.9

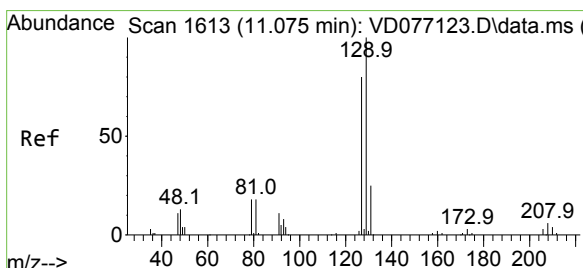
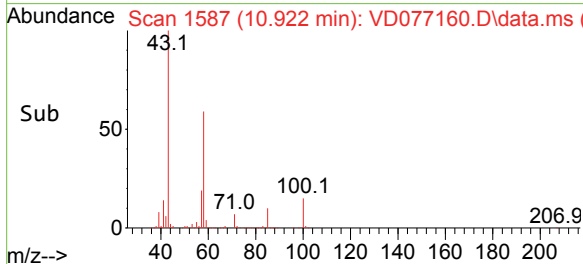
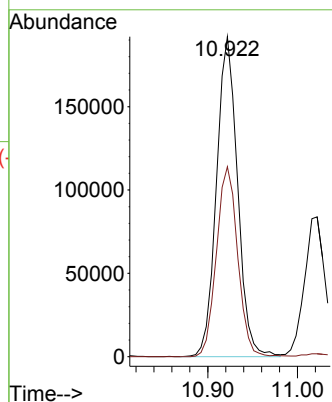
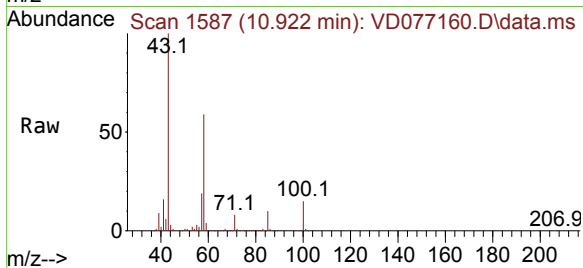




#59  
2-Hexanone  
Concen: 308.462 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

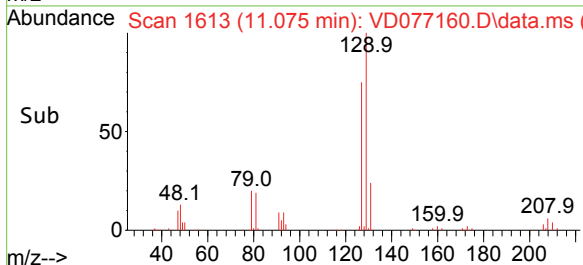
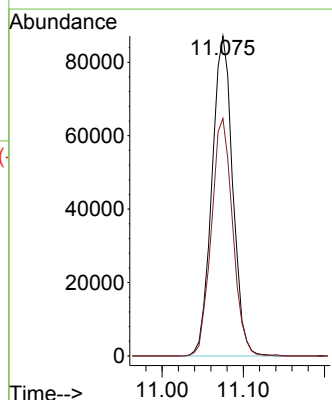
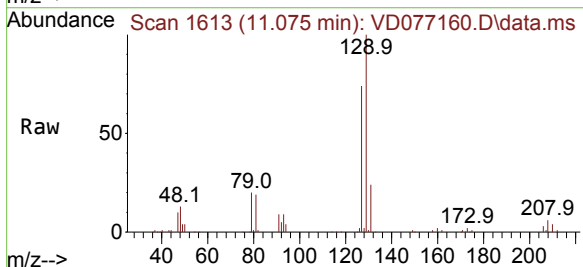
Instrument :  
MSVOA\_D  
ClientSampleId :

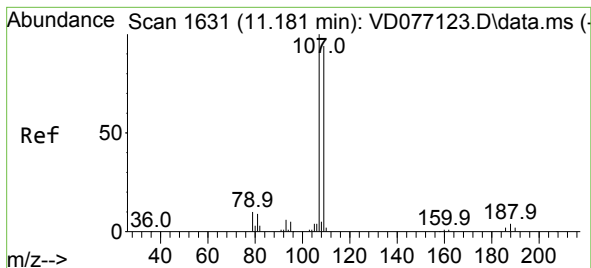
Tgt Ion: 43 Resp: 312923  
Ion Ratio Lower Upper  
43 100  
58 59.9 34.1 102.2



#60  
Dibromochloromethane  
Concen: 55.600 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion:129 Resp: 154794  
Ion Ratio Lower Upper  
129 100  
127 76.1 37.1 111.5

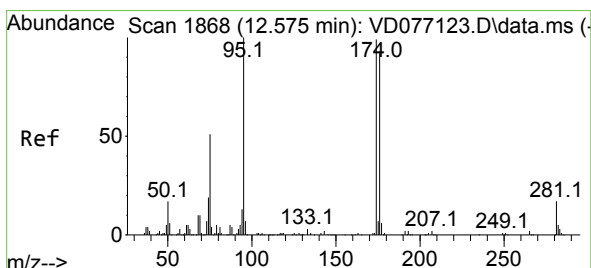
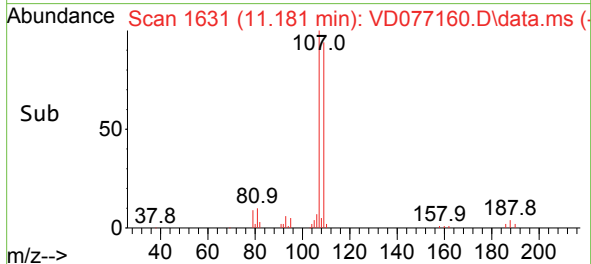
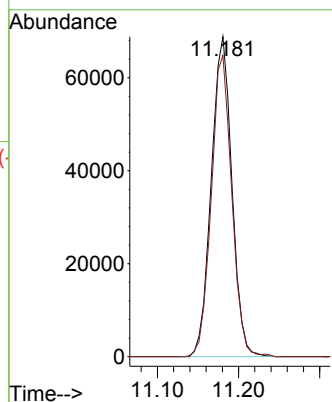
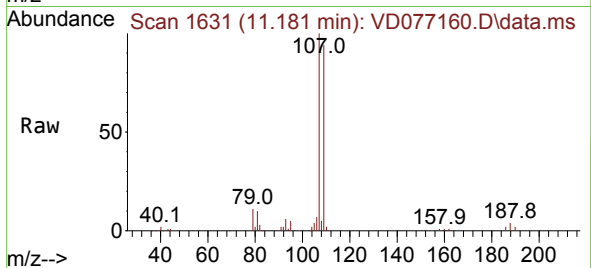




#61  
1,2-Dibromoethane  
Concen: 55.175 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

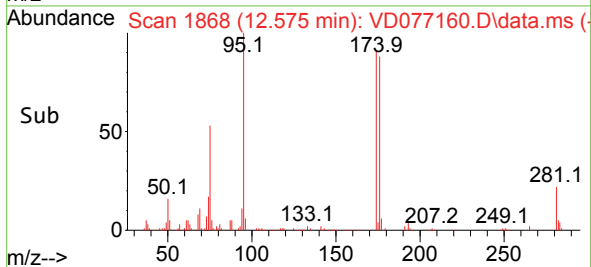
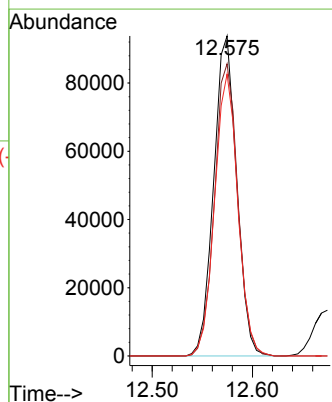
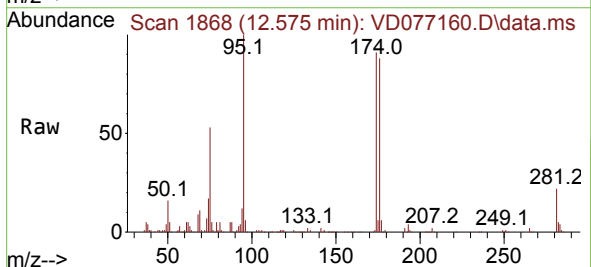
Instrument :  
MSVOA\_D  
ClientSampleId :

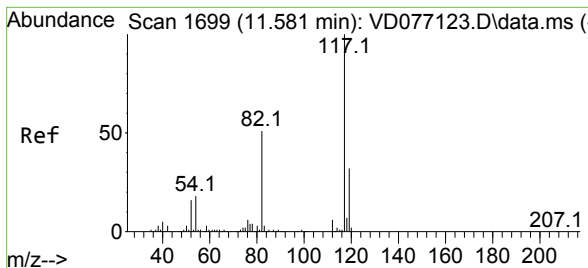
Tgt Ion:107 Resp: 121245  
Ion Ratio Lower Upper  
107 100  
109 93.3 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 53.104 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 95 Resp: 148881  
Ion Ratio Lower Upper  
95 100  
174 92.7 0.0 201.8  
176 89.0 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

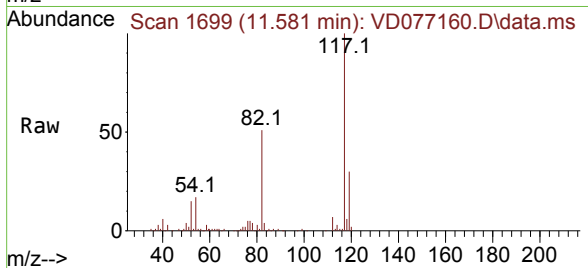
Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

ClientSampleId :



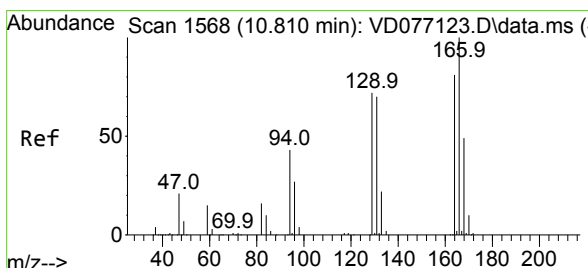
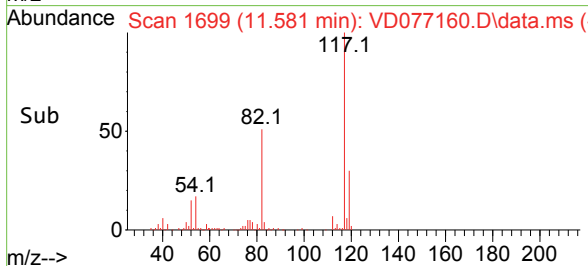
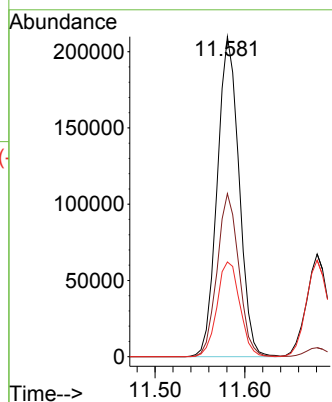
Tgt Ion:117 Resp: 354334

Ion Ratio Lower Upper

117 100

82 50.9 38.3 57.5

119 29.6 25.0 37.4



#64

Tetrachloroethene

Concen: 52.651 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Tgt Ion:164 Resp: 145151

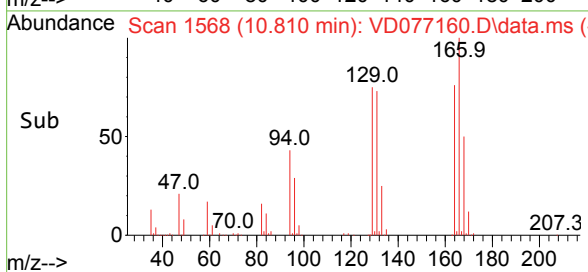
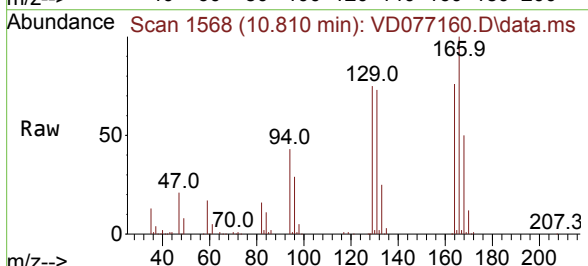
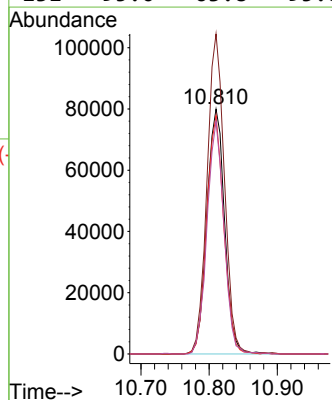
Ion Ratio Lower Upper

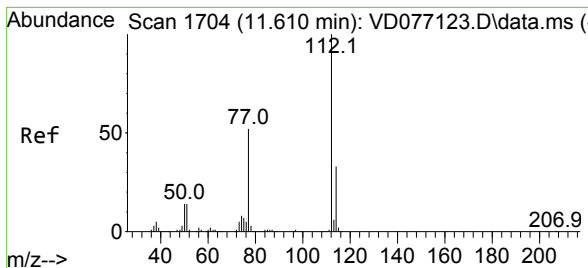
164 100

166 130.8 99.2 148.8

129 97.4 68.4 102.6

131 95.0 63.8 95.8





#65

Chlorobenzene

Concen: 52.441 ug/l

RT: 11.610 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

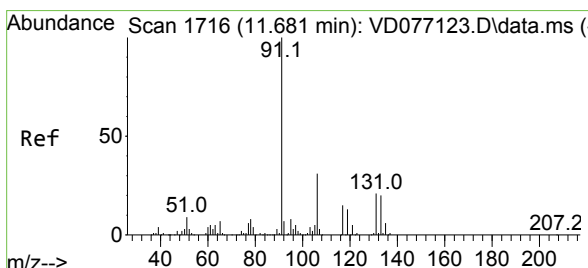
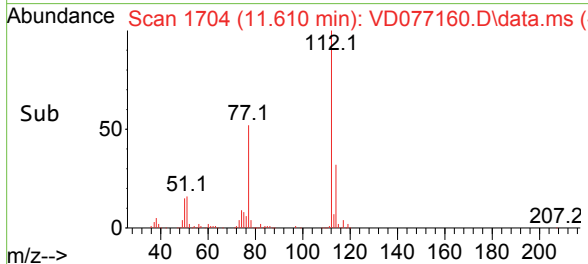
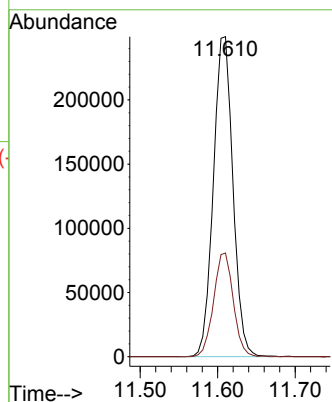
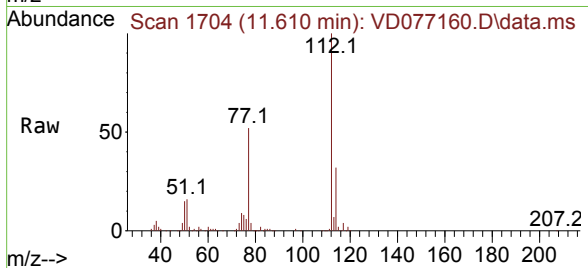
ClientSampleId :

Tgt Ion:112 Resp: 437117

Ion Ratio Lower Upper

112 100

114 32.4 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 53.549 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

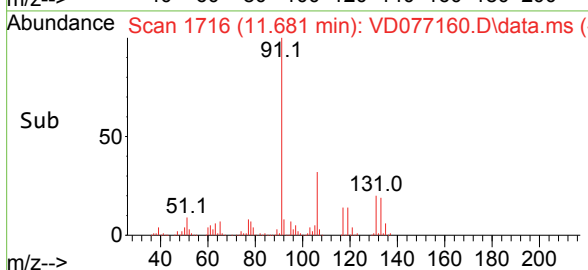
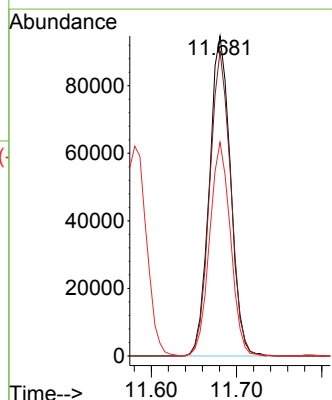
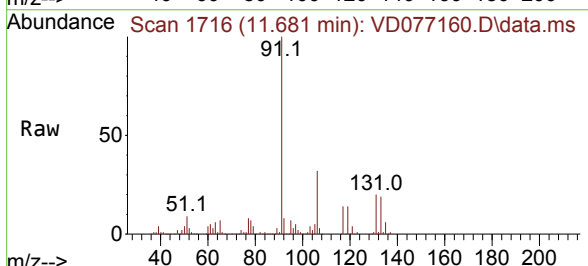
Tgt Ion:131 Resp: 163297

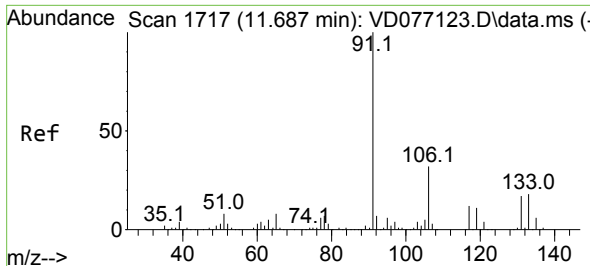
Ion Ratio Lower Upper

131 100

133 94.8 48.5 145.5

119 66.0 35.6 106.9

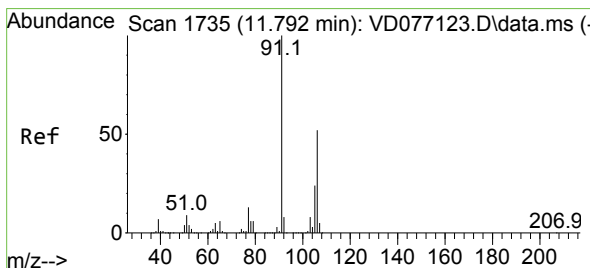
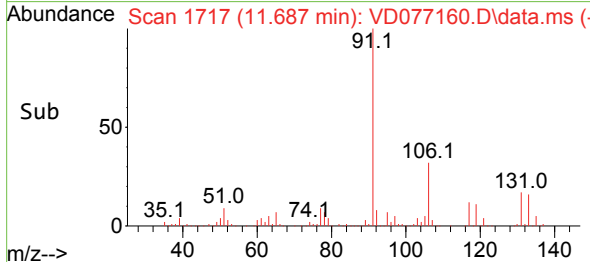
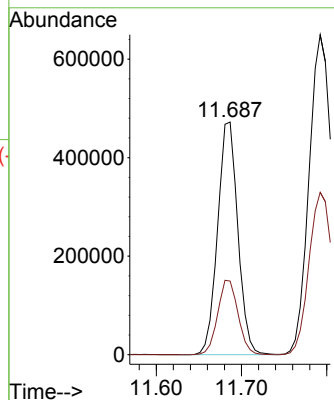
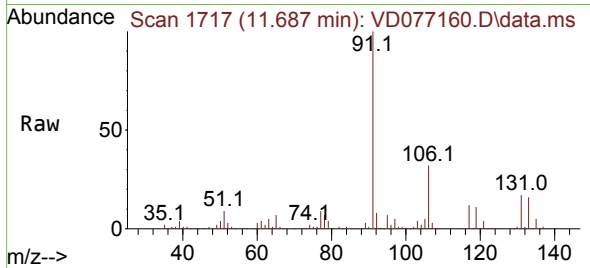




#67  
Ethyl Benzene  
Concen: 54.399 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

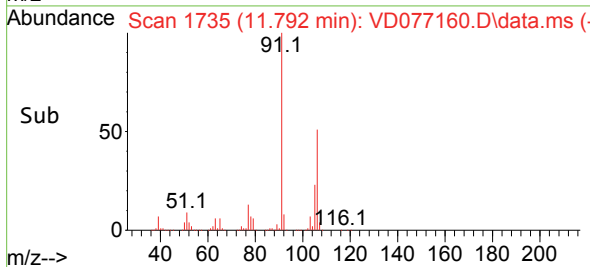
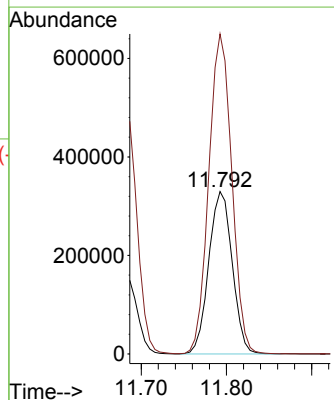
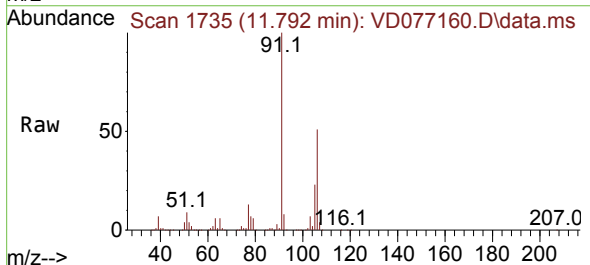
Instrument :  
MSVOA\_D  
ClientSampleId :

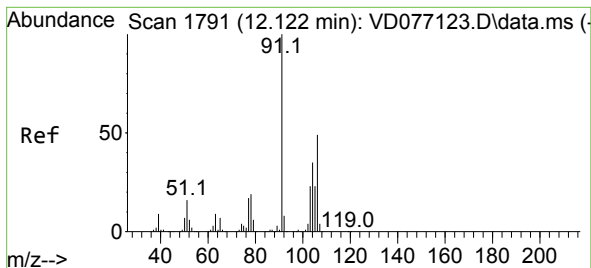
Tgt Ion: 91 Resp: 779398  
Ion Ratio Lower Upper  
91 100  
106 31.6 26.5 39.7



#68  
m/p-Xylenes  
Concen: 110.199 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion:106 Resp: 632172  
Ion Ratio Lower Upper  
106 100  
91 193.6 147.0 220.6





#69

o-Xylene

Concen: 54.881 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

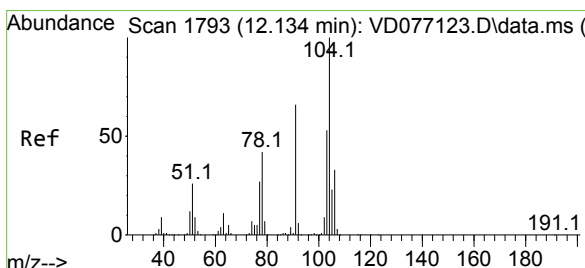
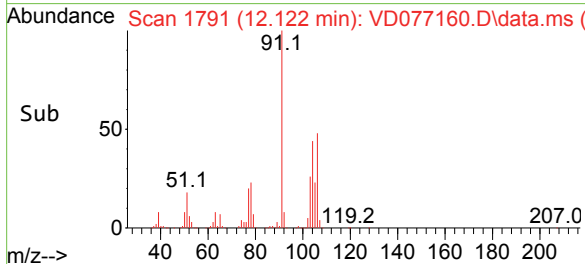
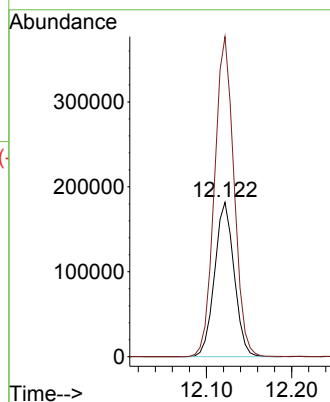
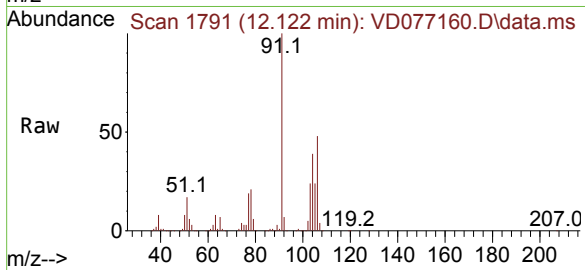
ClientSampleId :

Tgt Ion:106 Resp: 288970

Ion Ratio Lower Upper

106 100

91 207.6 97.9 293.6



#70

Styrene

Concen: 57.003 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

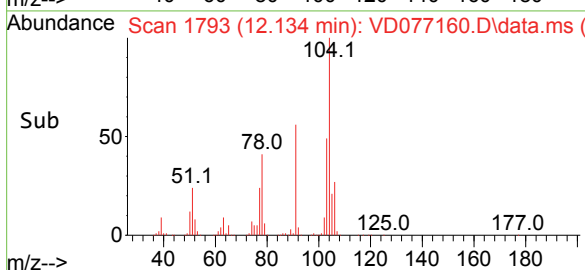
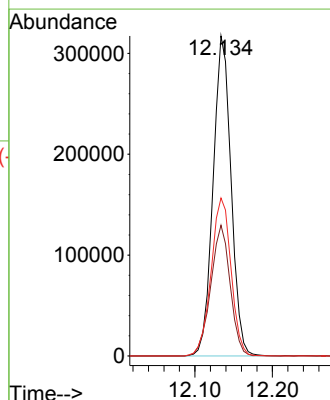
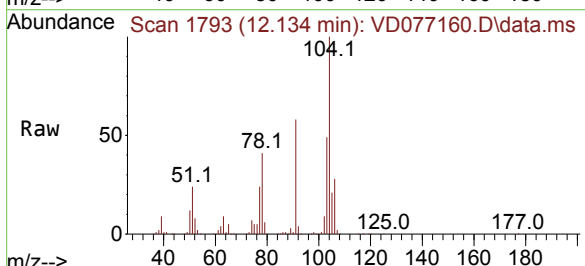
Tgt Ion:104 Resp: 511349

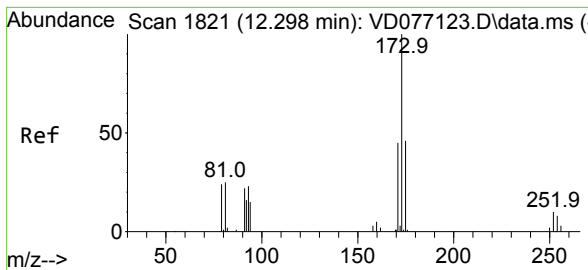
Ion Ratio Lower Upper

104 100

78 44.1 33.2 49.8

103 54.6 43.6 65.4

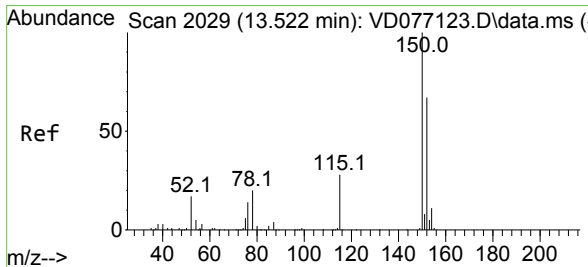
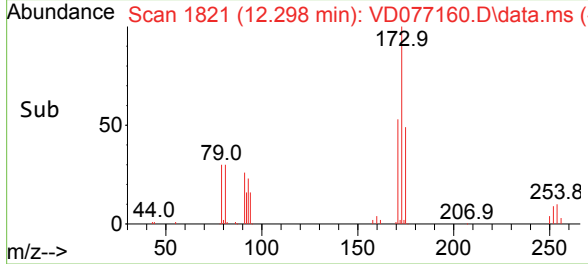
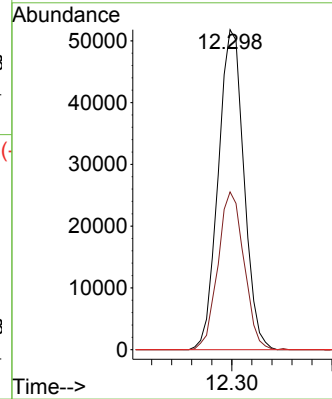
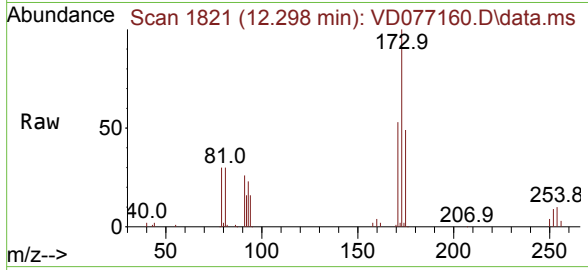




#71  
Bromoform  
Concen: 54.405 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

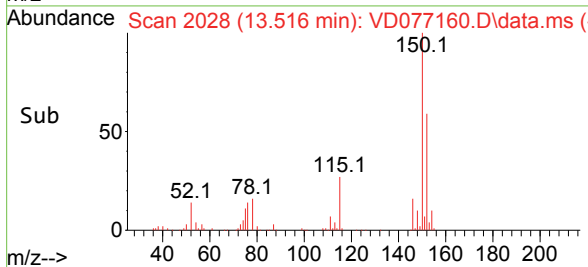
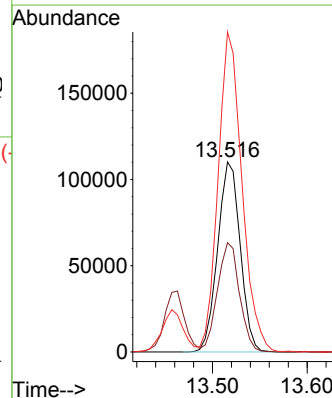
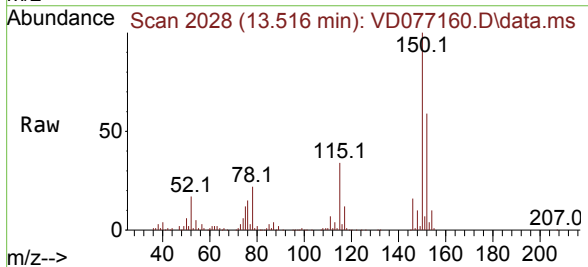
Instrument :  
MSVOA\_D  
ClientSampleId :

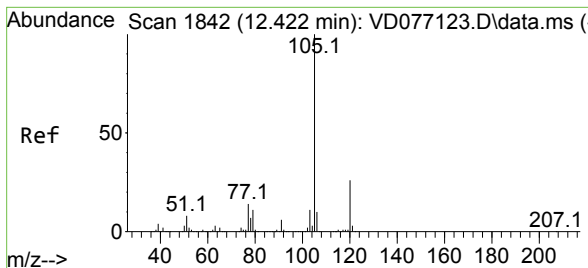
Tgt Ion:173 Resp: 91966  
Ion Ratio Lower Upper  
173 100  
175 50.1 24.6 73.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. -0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion:152 Resp: 182257  
Ion Ratio Lower Upper  
152 100  
115 56.3 27.1 81.3  
150 178.2 0.0 353.6





#73

Isopropylbenzene

Concen: 55.425 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

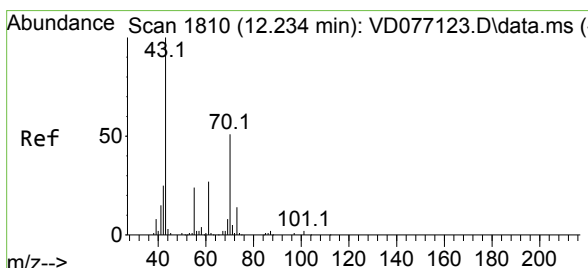
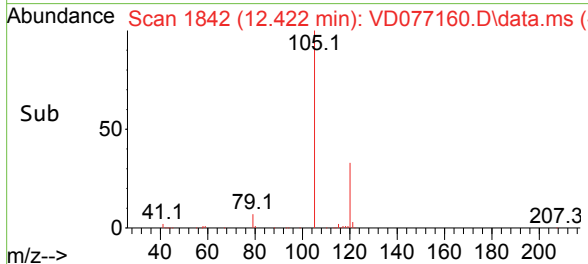
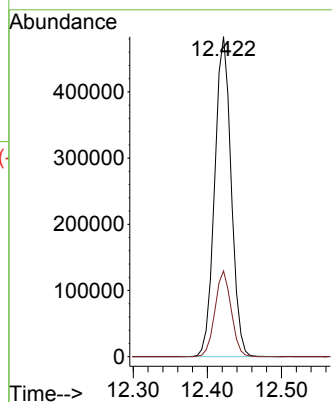
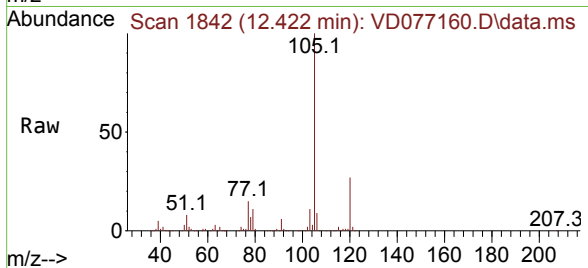
ClientSampleId :

Tgt Ion:105 Resp: 746414

Ion Ratio Lower Upper

105 100

120 26.3 14.3 42.9



#74

N-ethyl acetate

Concen: 58.306 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Tgt Ion: 43 Resp: 147497

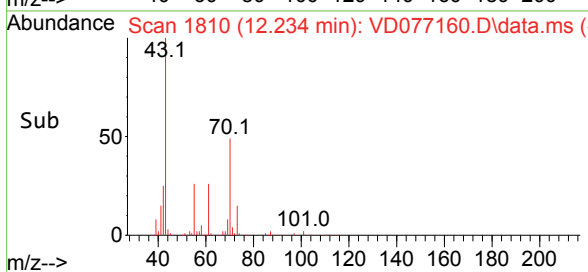
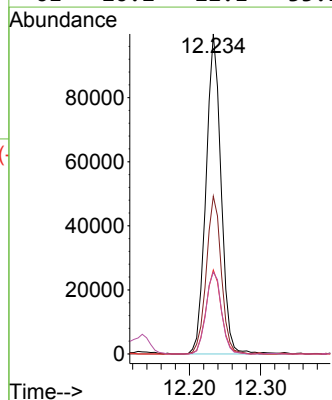
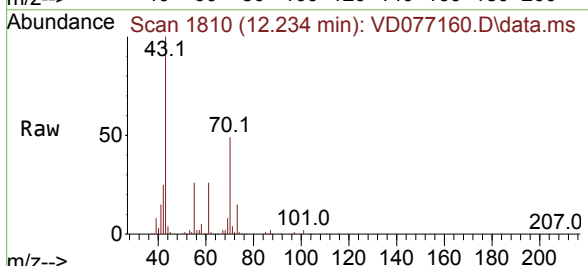
Ion Ratio Lower Upper

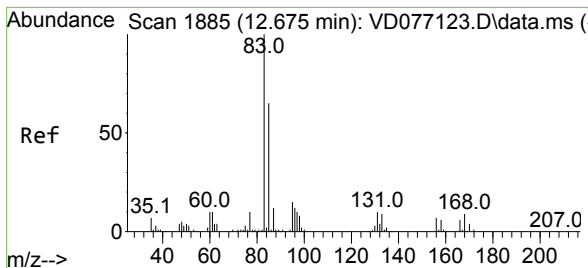
43 100

70 49.0 45.0 67.4

55 26.6 23.8 35.6

61 26.2 22.1 33.1

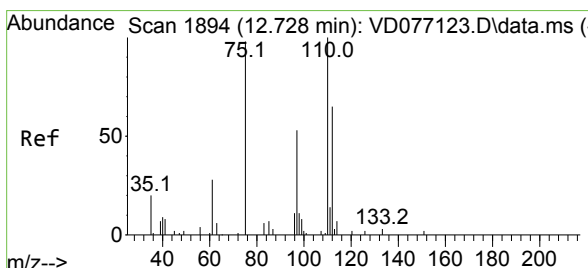
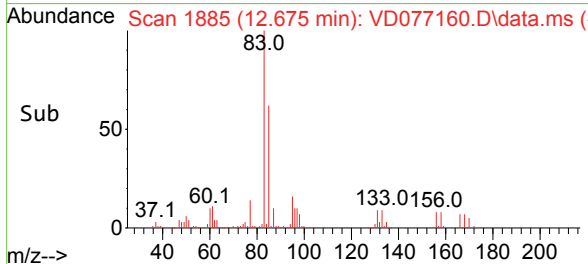
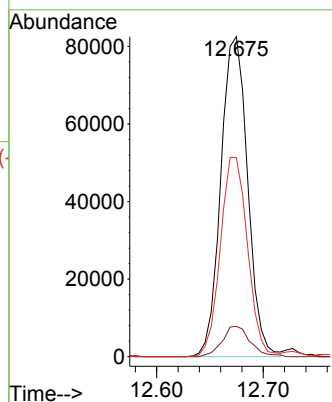
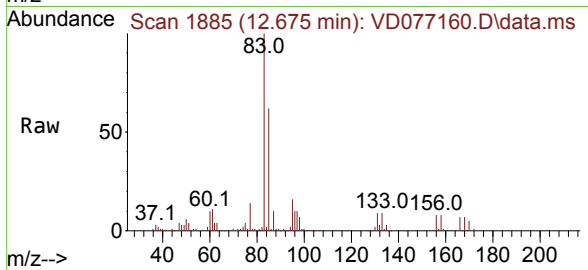




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 56.754 ug/l  
 RT: 12.675 min Scan# 1885  
 Delta R.T. 0.000 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

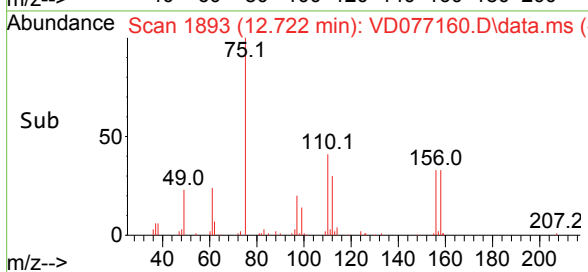
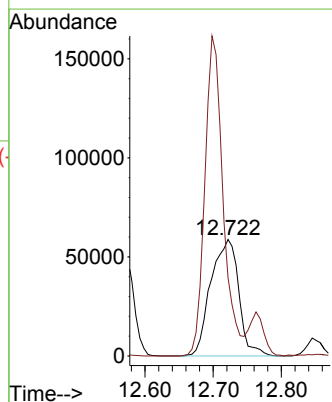
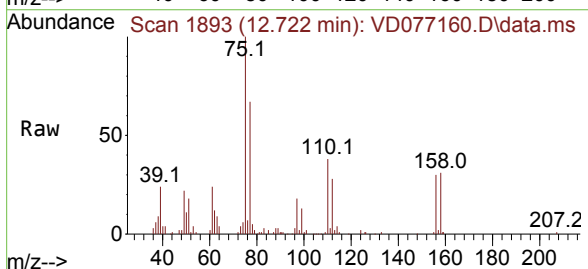
Instrument :  
 MSVOA\_D  
 ClientSampleId :

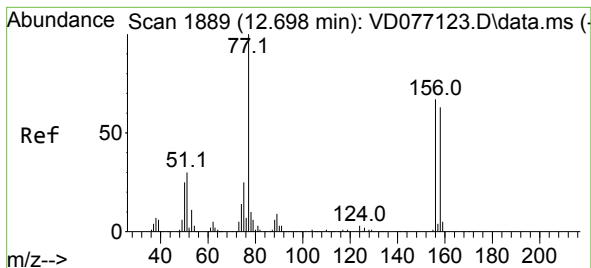
Tgt Ion: 83 Resp: 144237  
 Ion Ratio Lower Upper  
 83 100  
 131 10.0 5.1 15.3  
 85 63.2 32.6 97.8



#76  
 1,2,3-Trichloropropane  
 Concen: 115.550 ug/l  
 RT: 12.722 min Scan# 1893  
 Delta R.T. -0.006 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

Tgt Ion: 75 Resp: 167989  
 Ion Ratio Lower Upper  
 75 100  
 77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 53.511 ug/l

RT: 12.704 min Scan# 1889

Delta R.T. 0.006 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

ClientSampleId :

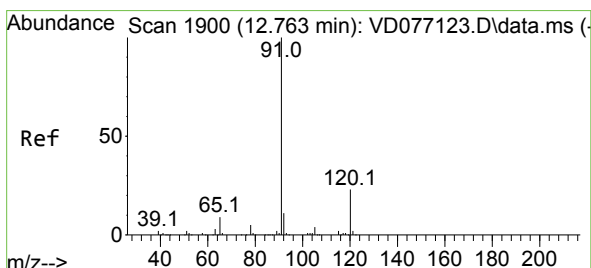
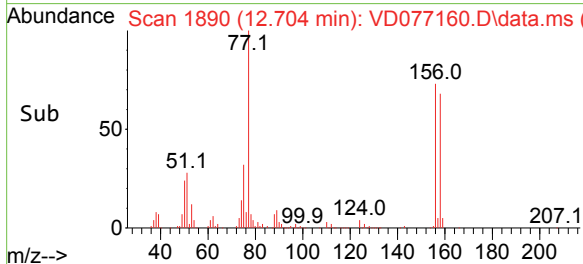
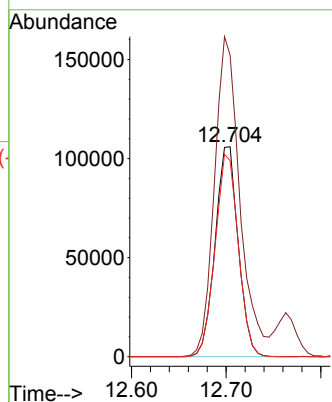
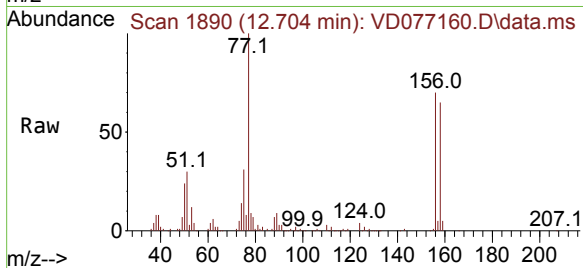
Tgt Ion:156 Resp: 179437

Ion Ratio Lower Upper

156 100

77 168.5 76.8 230.4

158 96.8 48.6 145.9



#78

n-propylbenzene

Concen: 56.050 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD077160.D

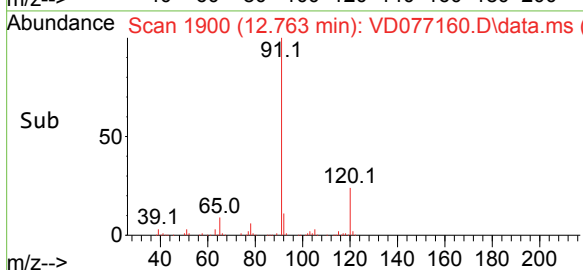
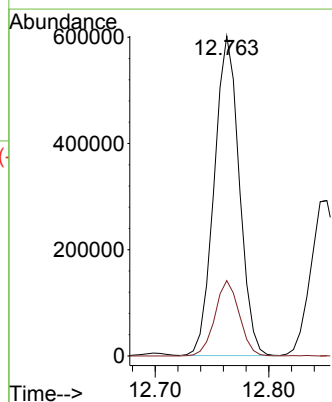
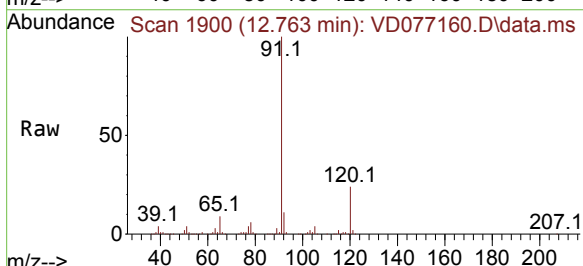
Acq: 20 Sep 2023 10:02

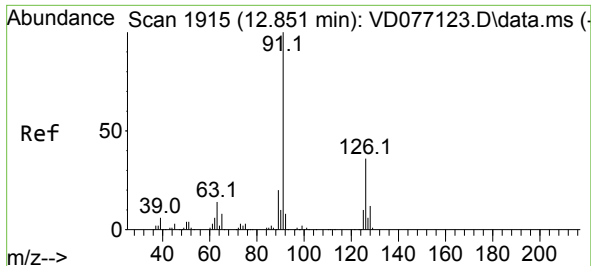
Tgt Ion: 91 Resp: 922644

Ion Ratio Lower Upper

91 100

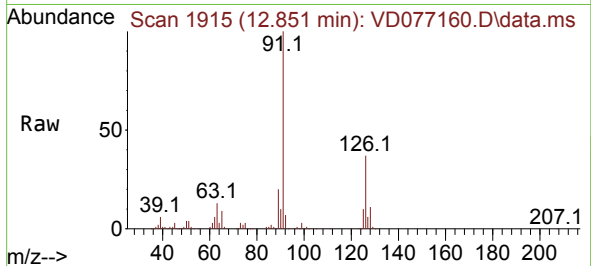
120 22.8 12.4 37.2



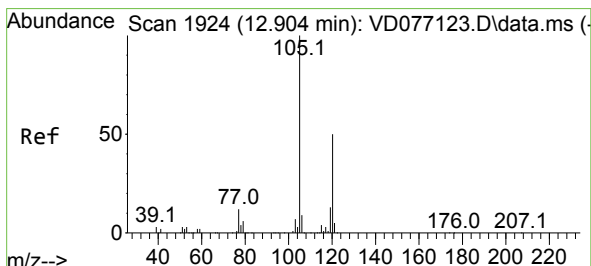
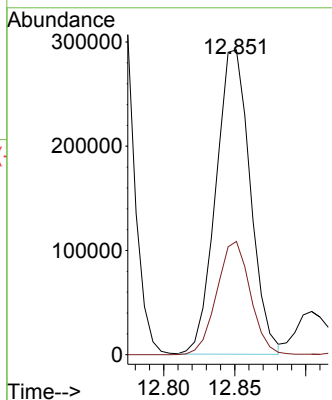
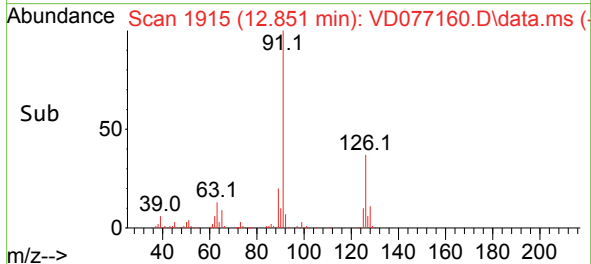


#79  
2-Chlorotoluene  
Concen: 54.346 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

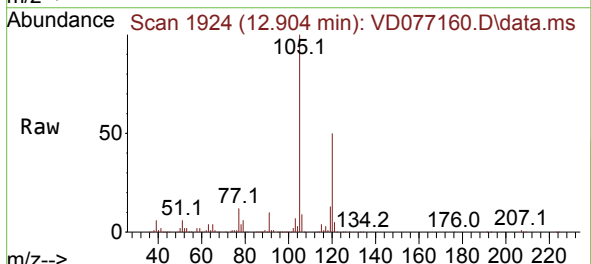
Instrument :  
MSVOA\_D  
ClientSampleId :



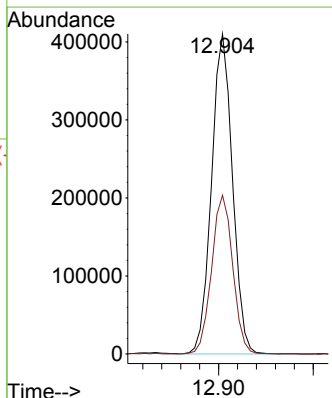
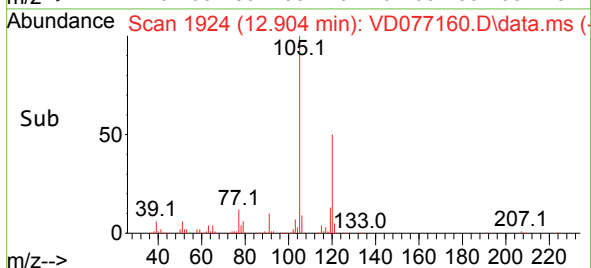
Tgt Ion: 91 Resp: 493318  
Ion Ratio Lower Upper  
91 100  
126 36.3 19.4 58.1

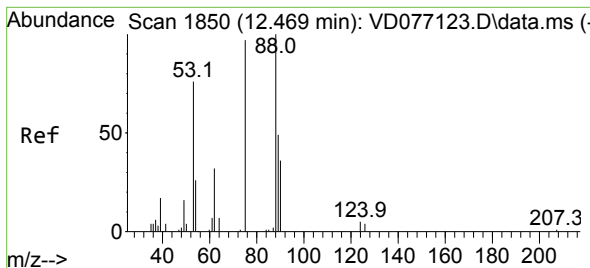


#80  
1,3,5-Trimethylbenzene  
Concen: 55.931 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02



Tgt Ion: 105 Resp: 629054  
Ion Ratio Lower Upper  
105 100  
120 50.1 26.4 79.2

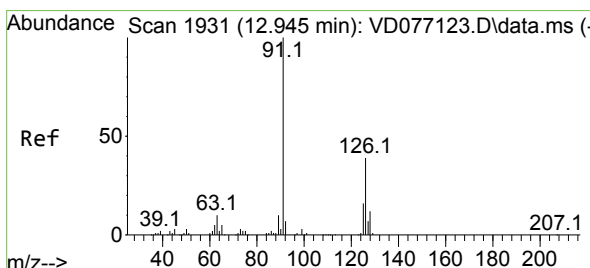
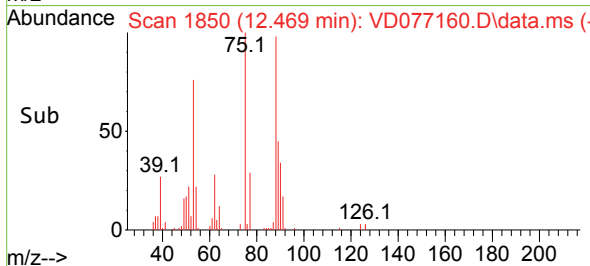
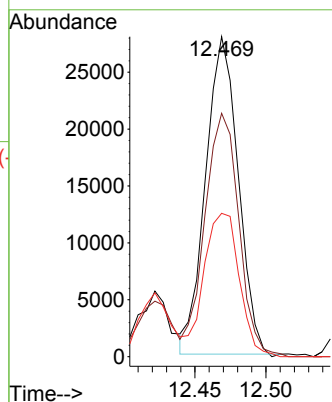
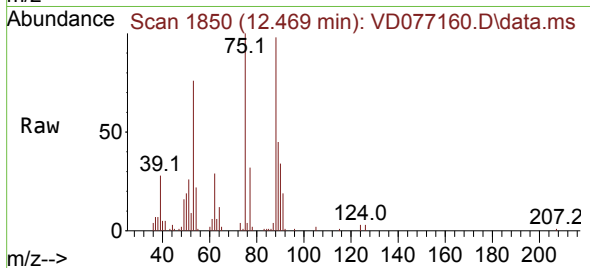




#81  
trans-1,4-Dichloro-2-butene  
Concen: 57.821 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

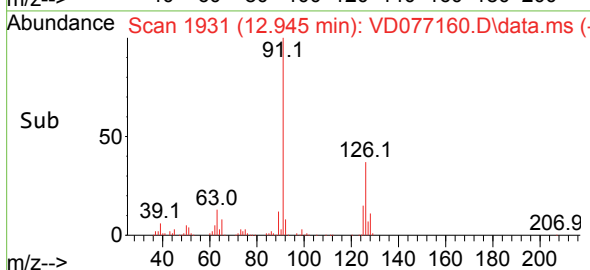
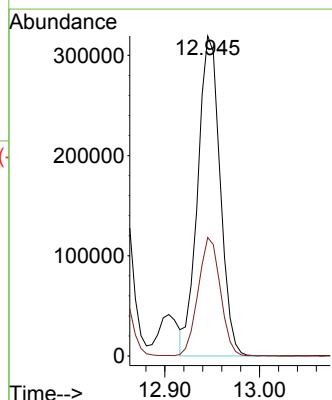
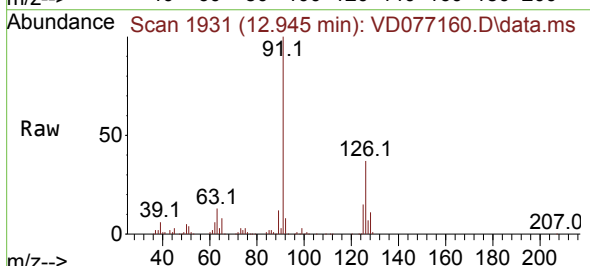
Instrument :  
MSVOA\_D  
ClientSampleId :

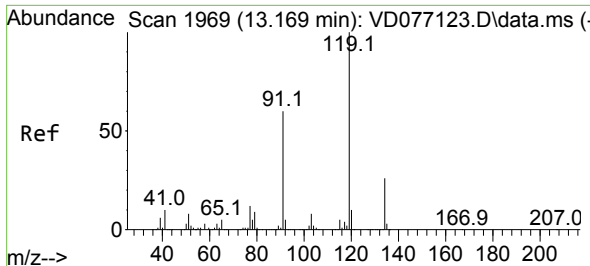
Tgt Ion: 75 Resp: 44411  
Ion Ratio Lower Upper  
75 100  
53 80.5 63.0 94.4  
89 49.7 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 54.766 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion: 91 Resp: 522489  
Ion Ratio Lower Upper  
91 100  
126 36.9 19.4 58.4

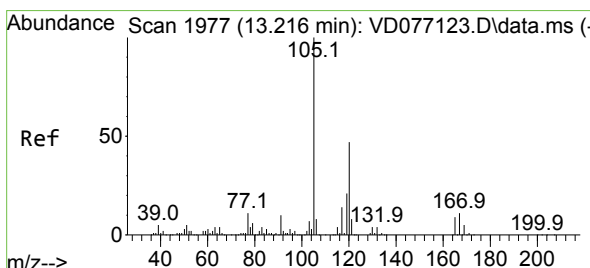
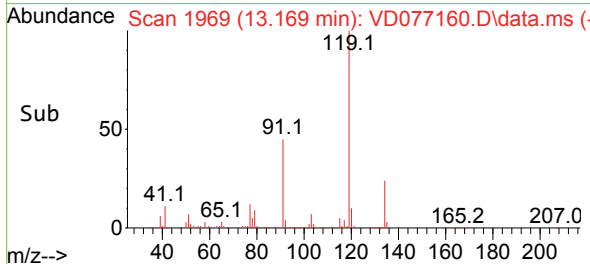
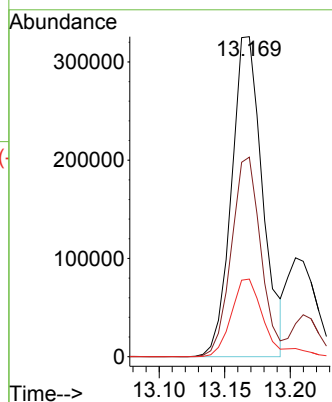
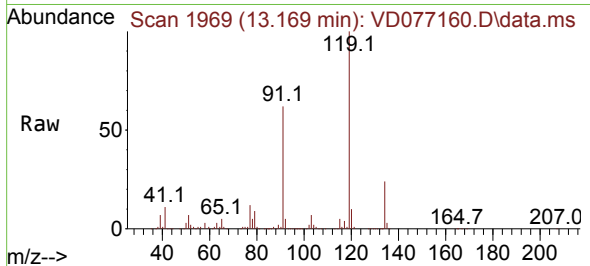




#83  
tert-Butylbenzene  
Concen: 55.848 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. 0.000 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

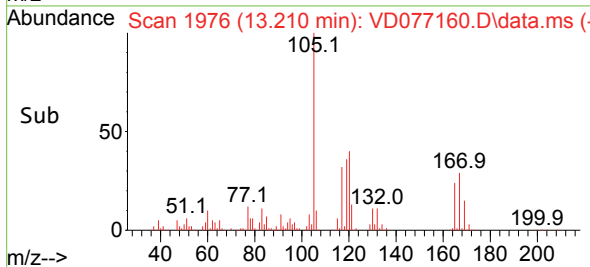
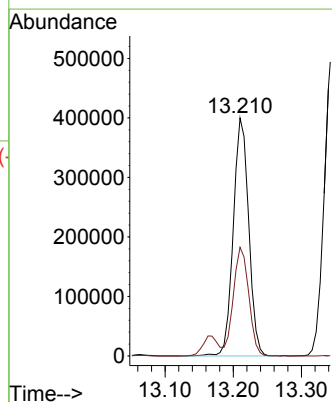
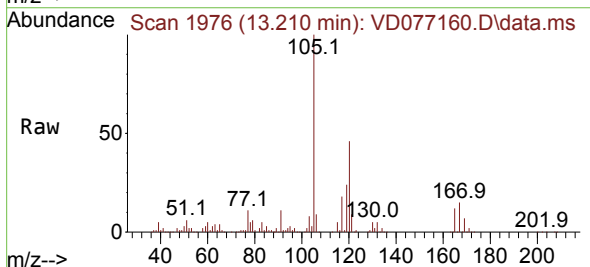
Instrument :  
MSVOA\_D  
ClientSampleId :

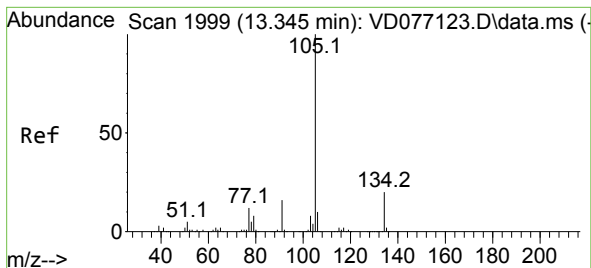
Tgt Ion:119 Resp: 536640  
Ion Ratio Lower Upper  
119 100  
91 59.2 29.3 87.8  
134 25.9 14.1 42.3



#84  
1,2,4-Trimethylbenzene  
Concen: 55.207 ug/l  
RT: 13.210 min Scan# 1976  
Delta R.T. -0.006 min  
Lab File: VD077160.D  
Acq: 20 Sep 2023 10:02

Tgt Ion:105 Resp: 629614  
Ion Ratio Lower Upper  
105 100  
120 46.0 24.3 72.9





#85

sec-Butylbenzene

Concen: 55.430 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

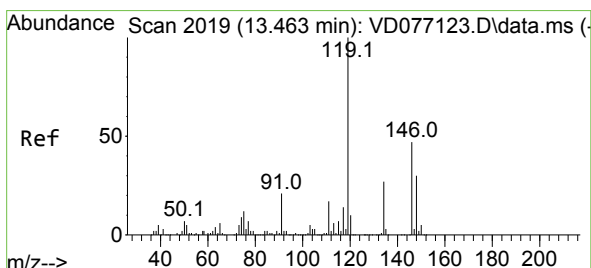
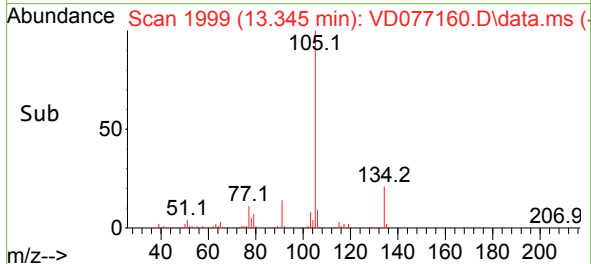
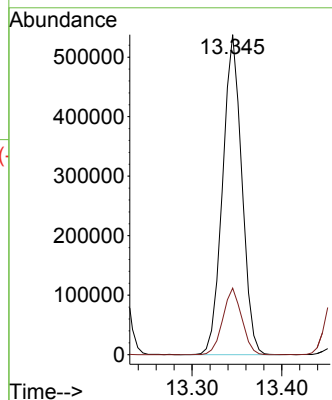
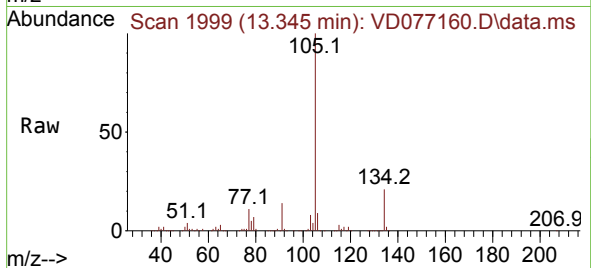
ClientSampleId :

Tgt Ion:105 Resp: 799236

Ion Ratio Lower Upper

105 100

134 20.5 10.9 32.9



#86

p-Isopropyltoluene

Concen: 55.411 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

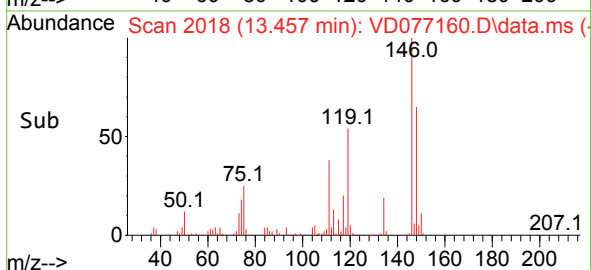
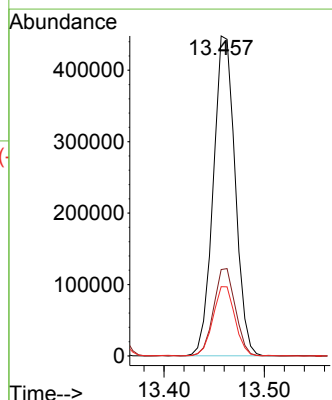
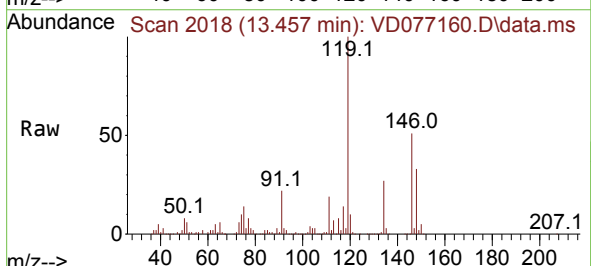
Tgt Ion:119 Resp: 677784

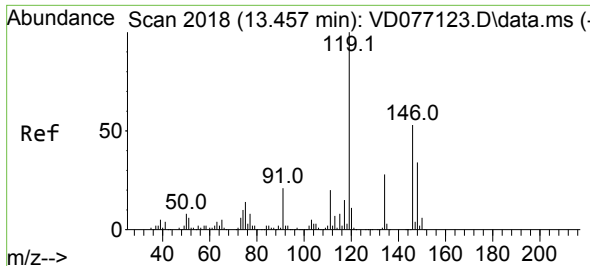
Ion Ratio Lower Upper

119 100

134 27.2 14.2 42.6

91 21.7 10.5 31.5

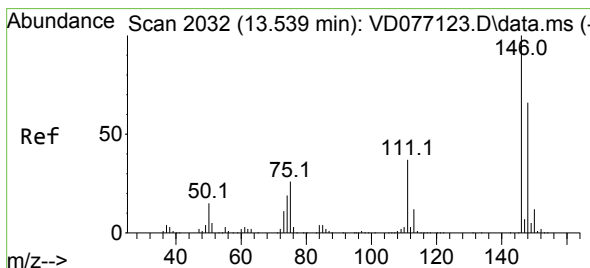
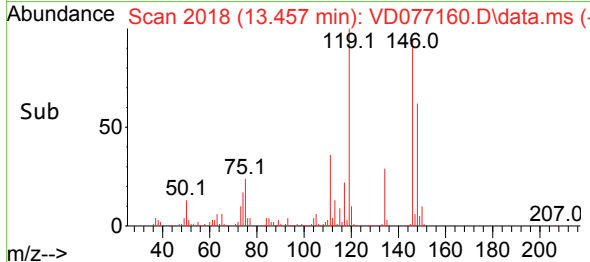
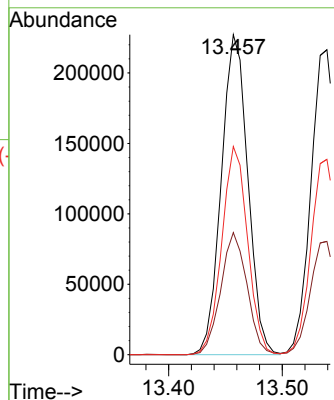
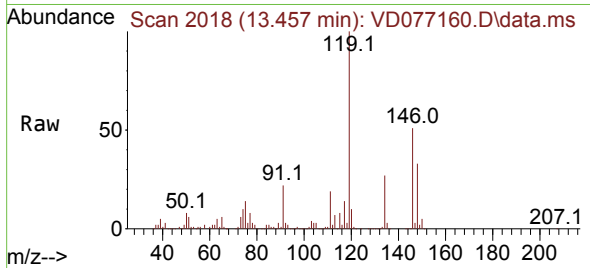




#87  
 1,3-Dichlorobenzene  
 Concen: 53.438 ug/l  
 RT: 13.457 min Scan# 2018  
 Delta R.T. 0.000 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

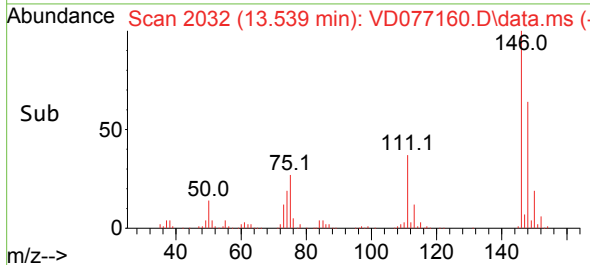
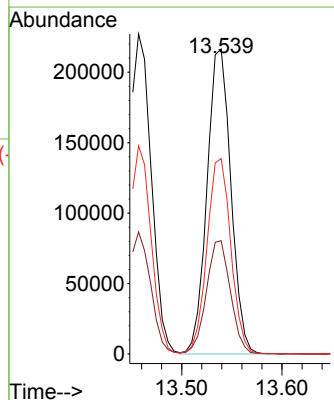
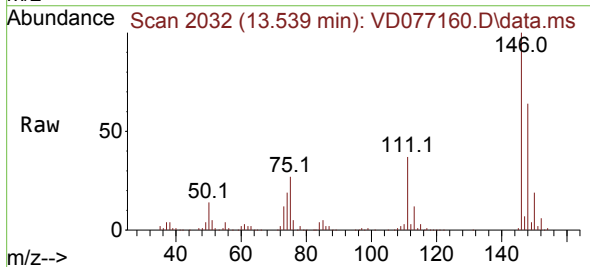
Instrument :  
 MSVOA\_D  
 ClientSampleId :

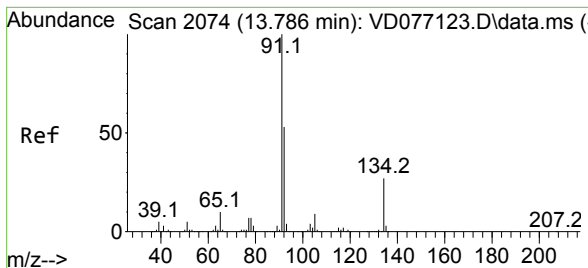
Tgt Ion:146 Resp: 368521  
 Ion Ratio Lower Upper  
 146 100  
 111 37.8 17.9 53.8  
 148 63.3 32.3 96.8



#88  
 1,4-Dichlorobenzene  
 Concen: 53.018 ug/l  
 RT: 13.539 min Scan# 2032  
 Delta R.T. 0.000 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

Tgt Ion:146 Resp: 359733  
 Ion Ratio Lower Upper  
 146 100  
 111 37.4 17.4 52.3  
 148 64.0 31.7 95.1





#89

n-Butylbenzene

Concen: 54.661 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

ClientSampleId :

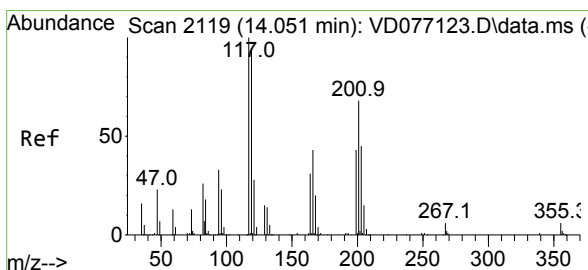
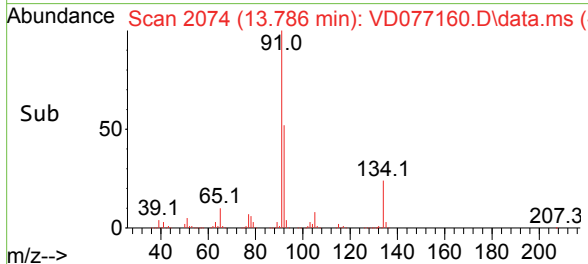
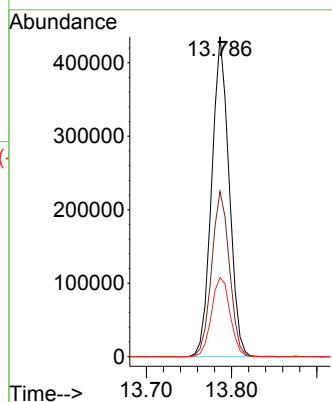
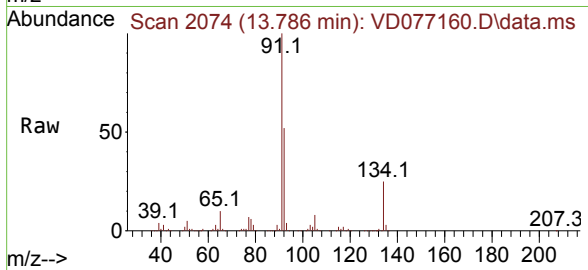
Tgt Ion: 91 Resp: 616791

Ion Ratio Lower Upper

91 100

92 52.7 26.5 79.5

134 26.4 13.8 41.3



#90

Hexachloroethane

Concen: 52.912 ug/l

RT: 14.051 min Scan# 2119

Delta R.T. 0.000 min

Lab File: VD077160.D

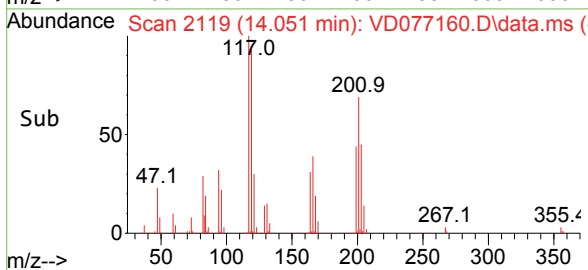
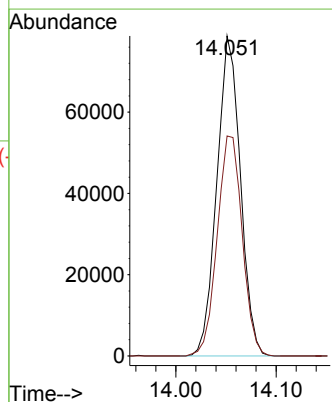
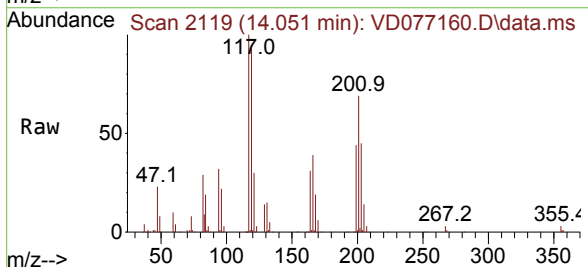
Acq: 20 Sep 2023 10:02

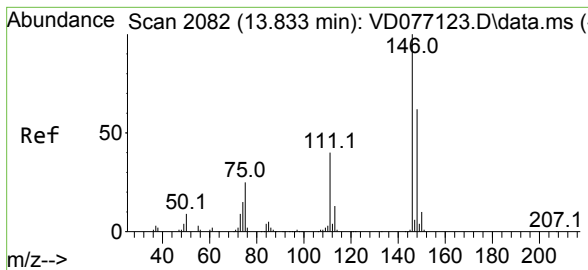
Tgt Ion: 117 Resp: 128357

Ion Ratio Lower Upper

117 100

201 73.0 38.5 115.5

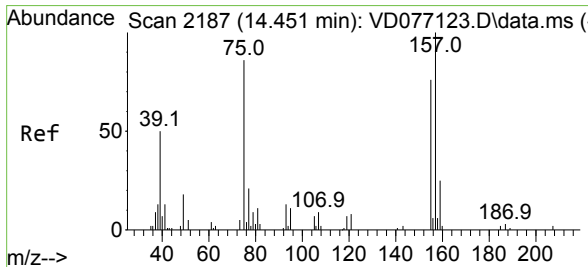
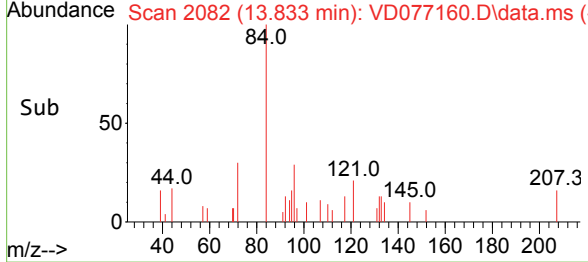
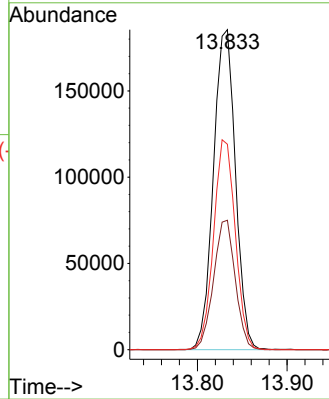
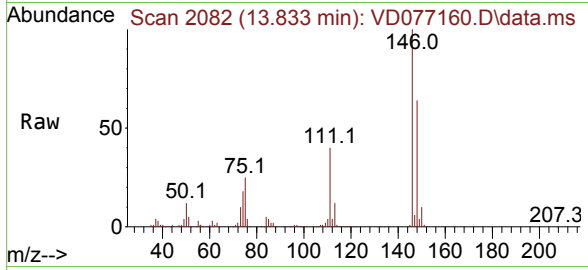




#91  
 1,2-Dichlorobenzene  
 Concen: 53.552 ug/l  
 RT: 13.833 min Scan# 2082  
 Delta R.T. 0.000 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

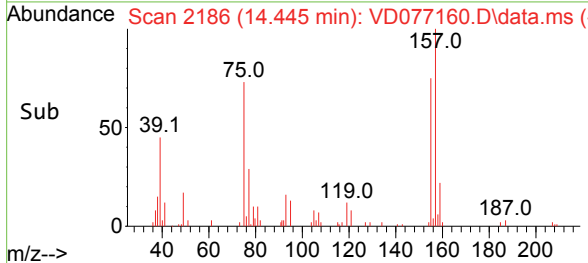
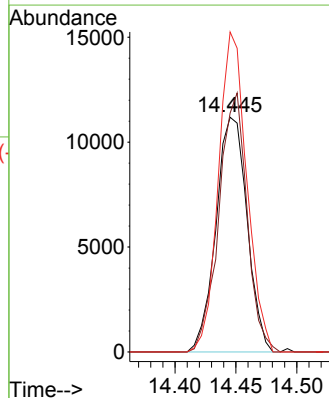
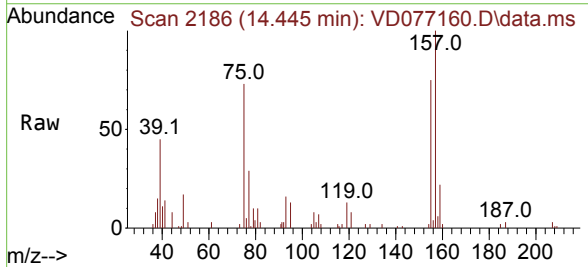
Instrument :  
 MSVOA\_D  
 ClientSampleId :

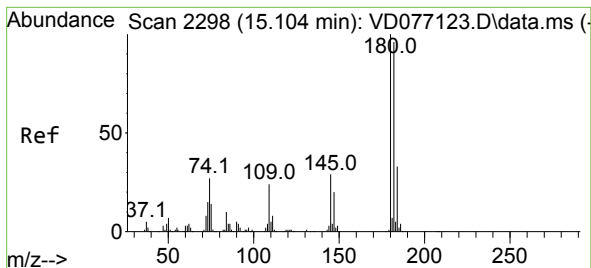
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 146   | Resp: | 316642 |
| Ion      | Ratio | Lower | Upper  |
| 146      | 100   |       |        |
| 111      | 39.9  | 18.3  | 54.8   |
| 148      | 64.7  | 31.6  | 94.7   |



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 58.627 ug/l  
 RT: 14.445 min Scan# 2186  
 Delta R.T. -0.006 min  
 Lab File: VD077160.D  
 Acq: 20 Sep 2023 10:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 19895 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 99.7  | 47.9  | 143.8 |
| 157      | 124.2 | 59.9  | 179.7 |





#93

1,2,4-Trichlorobenzene

Concen: 55.006 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. -0.006 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

ClientSampleId :

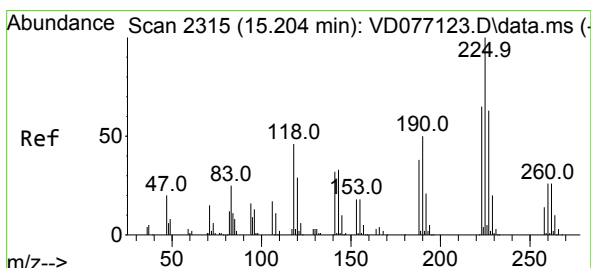
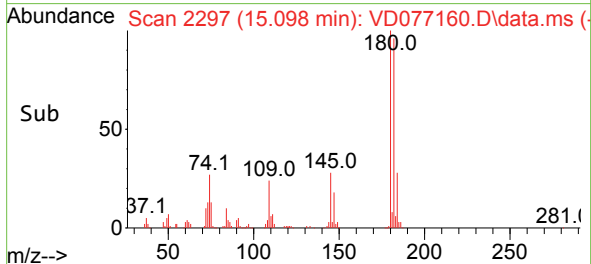
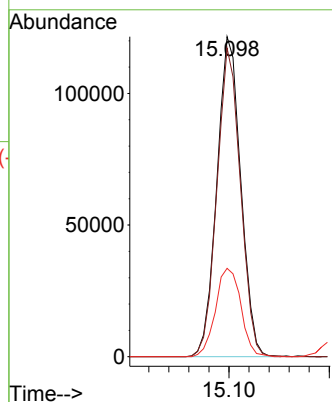
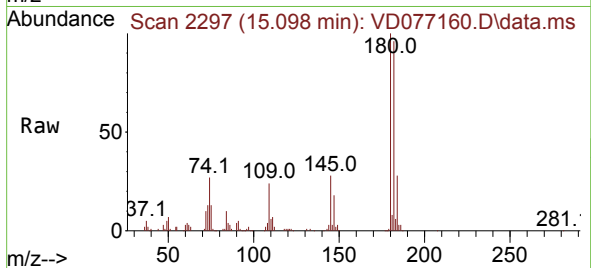
Tgt Ion:180 Resp: 200656

Ion Ratio Lower Upper

180 100

182 94.8 48.5 145.6

145 29.3 14.2 42.6



#94

Hexachlorobutadiene

Concen: 49.894 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

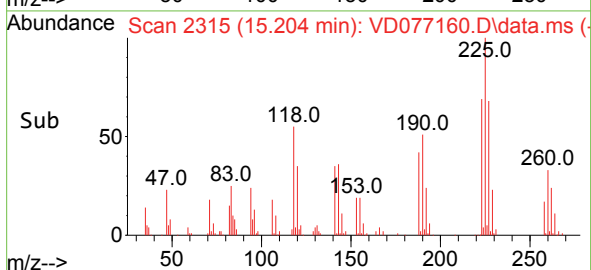
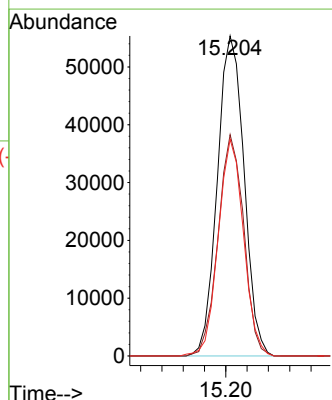
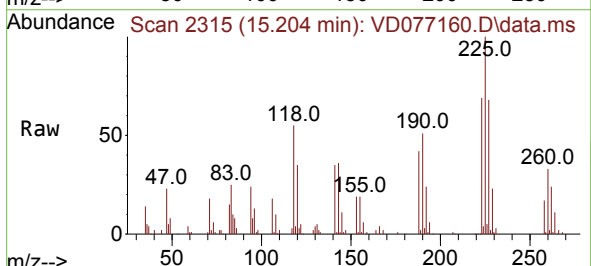
Tgt Ion:225 Resp: 96449

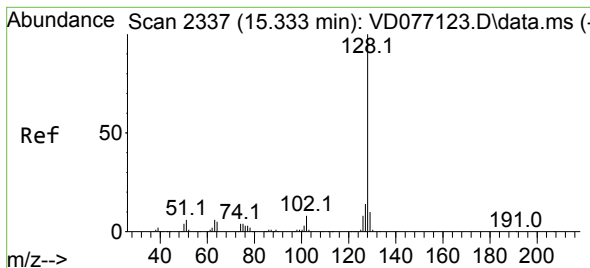
Ion Ratio Lower Upper

225 100

223 66.1 31.6 94.8

227 64.1 31.7 95.1





#95

Naphthalene

Concen: 57.183 ug/l

RT: 15.333 min Scan# 2337

Delta R.T. 0.000 min

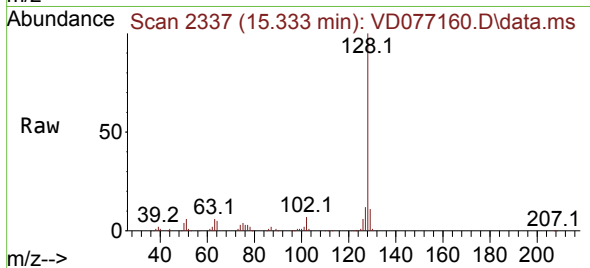
Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Instrument :

MSVOA\_D

ClientSampleId :



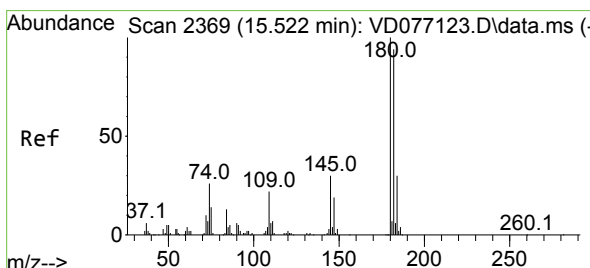
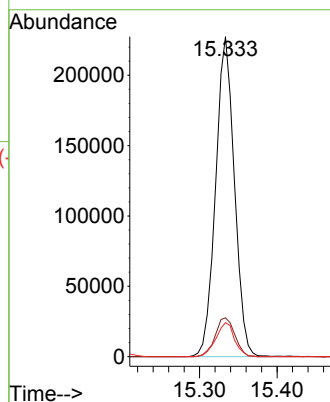
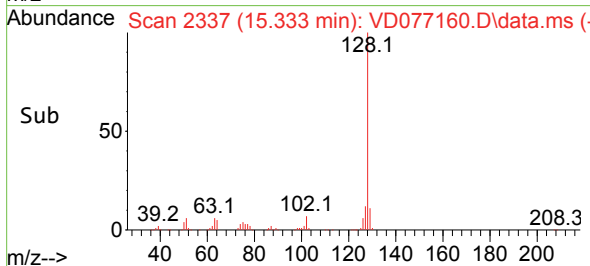
Tgt Ion:128 Resp: 382510

Ion Ratio Lower Upper

128 100

127 12.1 10.5 15.7

129 10.6 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 53.867 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD077160.D

Acq: 20 Sep 2023 10:02

Tgt Ion:180 Resp: 174660

Ion Ratio Lower Upper

180 100

182 96.1 47.3 141.9

145 32.4 15.1 45.3

