

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062123\  
 Data File : VD076508.D  
 Acq On : 21 Jun 2023 12:53  
 Operator : KP/SY  
 Sample : VD0621SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0621SBS01

Quant Time: Jun 22 01:56:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 122205   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 201794   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 180483   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 91443    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 53297    | 43.529   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 87.060% |
| 35) Dibromofluoromethane    | 7.805  | 113   | 55362    | 46.181   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 92.360% |
| 50) Toluene-d8              | 10.269 | 98    | 206395   | 45.398   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 90.800% |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 69082    | 46.820   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 93.640% |

|                              |       |     |        |         |        |    |
|------------------------------|-------|-----|--------|---------|--------|----|
| Target Compounds             |       |     |        |         | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.928 | 85  | 20242  | 21.799  | ug/l   | 96 |
| 3) Chloromethane             | 2.146 | 50  | 37298  | 19.313  | ug/l   | 98 |
| 4) Vinyl Chloride            | 2.276 | 62  | 44490  | 20.652  | ug/l   | 96 |
| 5) Bromomethane              | 2.681 | 94  | 29069  | 20.752  | ug/l   | 96 |
| 6) Chloroethane              | 2.823 | 64  | 31512  | 21.342  | ug/l   | 98 |
| 7) Trichlorofluoromethane    | 3.170 | 101 | 41130  | 23.199  | ug/l   | 98 |
| 8) Diethyl Ether             | 3.593 | 74  | 12298  | 18.432  | ug/l   | 63 |
| 9) 1,1,2-Trichlorotrifluo... | 3.964 | 101 | 25511  | 22.343  | ug/l   | 96 |
| 10) Methyl Iodide            | 4.158 | 142 | 27613  | 20.399  | ug/l   | 93 |
| 11) Tert butyl alcohol       | 5.069 | 59  | 10554  | 99.835  | ug/l   | 98 |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 23663  | 21.161  | ug/l   | 88 |
| 13) Acrolein                 | 3.793 | 56  | 11445  | 100.514 | ug/l   | 97 |
| 14) Allyl chloride           | 4.558 | 41  | 38333  | 18.745  | ug/l # | 84 |
| 15) Acrylonitrile            | 5.246 | 53  | 32747  | 95.445  | ug/l   | 94 |
| 16) Acetone                  | 4.017 | 43  | 30039  | 103.100 | ug/l # | 74 |
| 17) Carbon Disulfide         | 4.264 | 76  | 57999  | 18.983  | ug/l   | 99 |
| 18) Methyl Acetate           | 4.558 | 43  | 28038  | 20.881  | ug/l # | 85 |
| 19) Methyl tert-butyl Ether  | 5.317 | 73  | 58781  | 19.217  | ug/l   | 98 |
| 20) Methylene Chloride       | 4.793 | 84  | 41528  | 20.909  | ug/l # | 72 |
| 21) trans-1,2-Dichloroethene | 5.299 | 96  | 25676  | 19.866  | ug/l   | 93 |
| 22) Diisopropyl ether        | 6.211 | 45  | 83081  | 18.788  | ug/l # | 89 |
| 23) Vinyl Acetate            | 6.158 | 43  | 164209 | 74.918  | ug/l # | 88 |
| 24) 1,1-Dichloroethane       | 6.105 | 63  | 49624  | 20.097  | ug/l   | 97 |
| 25) 2-Butanone               | 7.081 | 43  | 44273  | 98.244  | ug/l # | 77 |
| 26) 2,2-Dichloropropane      | 7.069 | 77  | 41128  | 19.319  | ug/l   | 97 |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 31266  | 19.989  | ug/l   | 84 |
| 28) Bromochloromethane       | 7.428 | 49  | 15859  | 21.117  | ug/l # | 70 |
| 29) Tetrahydrofuran          | 7.440 | 42  | 27424  | 94.694  | ug/l # | 78 |
| 30) Chloroform               | 7.599 | 83  | 49548  | 20.265  | ug/l   | 89 |
| 31) Cyclohexane              | 7.875 | 56  | 40096  | 20.320  | ug/l # | 84 |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 41090  | 20.790  | ug/l   | 96 |
| 36) 1,1-Dichloropropene      | 8.005 | 75  | 35784  | 21.316  | ug/l   | 95 |
| 37) Ethyl Acetate            | 7.163 | 43  | 21087  | 21.677  | ug/l # | 89 |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 32638  | 21.752  | ug/l   | 89 |
| 39) Methylcyclohexane        | 9.269 | 83  | 42716  | 21.683  | ug/l # | 89 |
| 40) Benzene                  | 8.252 | 78  | 106837 | 20.869  | ug/l   | 99 |

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 Sample : VD0621SBS01  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0621SBS01

Quant Time: Jun 22 01:56:56 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Jun 19 04:51:45 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 11620    | 21.154  | ug/l # | 74       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 30105    | 21.763  | ug/l   | 94       |
| 43) Isopropyl Acetate         | 8.358  | 43   | 37054    | 20.120  | ug/l # | 84       |
| 44) Trichloroethene           | 9.028  | 130  | 30417    | 22.025  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 28177    | 20.300  | ug/l   | 96       |
| 46) Dibromomethane            | 9.393  | 93   | 15519    | 20.871  | ug/l   | 95       |
| 47) Bromodichloromethane      | 9.581  | 83   | 37248    | 20.933  | ug/l # | 93       |
| 48) Methyl methacrylate       | 9.381  | 41   | 18475    | 21.887  | ug/l # | 66       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 3883     | 435.846 | ug/l # | 78       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 100452   | 106.703 | ug/l # | 85       |
| 52) Toluene                   | 10.334 | 92   | 68781    | 21.410  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 36091    | 19.988  | ug/l   | 92       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 44872    | 20.961  | ug/l # | 80       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 21996    | 21.148  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.599 | 69   | 27288    | 20.093  | ug/l # | 64       |
| 57) 1,3-Dichloropropane       | 10.875 | 76   | 36884    | 20.712  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 60280    | 104.695 | ug/l   | 92       |
| 59) 2-Hexanone                | 10.922 | 43   | 69339    | 105.885 | ug/l   | 83       |
| 60) Dibromochloromethane      | 11.075 | 129  | 26765    | 22.112  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 11.175 | 107  | 20736    | 21.237  | ug/l   | 95       |
| 64) Tetrachloroethene         | 10.810 | 164  | 25124    | 23.191  | ug/l   | 91       |
| 65) Chlorobenzene             | 11.610 | 112  | 73378    | 21.400  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 27224    | 22.201  | ug/l   | 98       |
| 67) Ethyl Benzene             | 11.687 | 91   | 130989   | 21.560  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.793 | 106  | 105670   | 44.555  | ug/l   | 95       |
| 69) o-Xylene                  | 12.122 | 106  | 48165    | 21.334  | ug/l   | 89       |
| 70) Styrene                   | 12.134 | 104  | 83242    | 21.345  | ug/l   | 96       |
| 71) Bromoform                 | 12.304 | 173  | 17825    | 24.210  | ug/l # | 92       |
| 73) Isopropylbenzene          | 12.422 | 105  | 129293   | 21.001  | ug/l   | 98       |
| 74) N-amyl acetate            | 12.234 | 43   | 33593    | 18.638  | ug/l # | 86       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 27853    | 21.924  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.728 | 75   | 33378    | 36.778  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 31006    | 20.413  | ug/l   | 91       |
| 78) n-propylbenzene           | 12.763 | 91   | 161161   | 21.200  | ug/l   | 96       |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 86277    | 20.668  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 103734   | 20.632  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 8448     | 20.397  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 12.946 | 91   | 90669    | 20.914  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 95374    | 21.349  | ug/l   | 94       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 106645   | 21.048  | ug/l   | 95       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 143605   | 21.661  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 118303   | 21.356  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 63744    | 21.365  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.540 | 146  | 64428    | 21.652  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.787 | 91   | 117216   | 21.694  | ug/l   | 97       |
| 90) Hexachloroethane          | 14.057 | 117  | 21978    | 21.499  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 13.828 | 146  | 53443    | 20.499  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 4065     | 21.258  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 15.104 | 180  | 35141    | 20.225  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 19897    | 23.554  | ug/l   | 98       |
| 95) Naphthalene               | 15.328 | 128  | 69293    | 19.943  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 32962    | 21.774  | ug/l   | 99       |

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Operator : KP/SY  
Sample : VD0621SBSD01  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

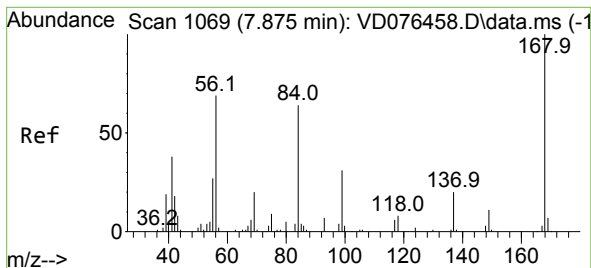
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

Quant Time: Jun 22 01:56:56 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D061623S.M  
Quant Title : SW846 8260  
QLast Update : Mon Jun 19 04:51:45 2023  
Response via : Initial Calibration

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

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

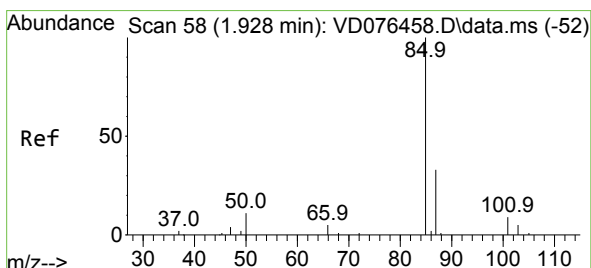
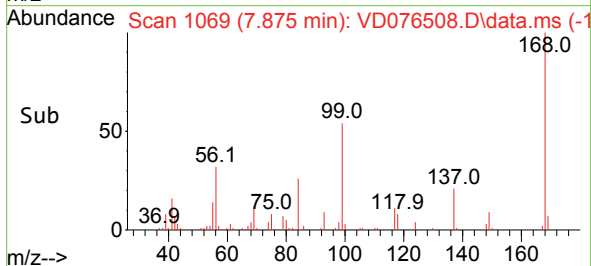
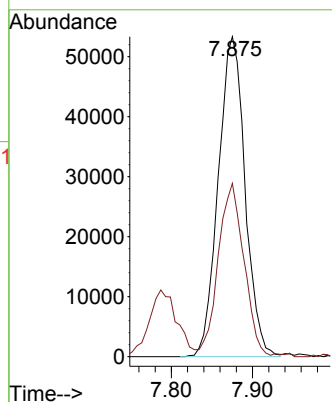
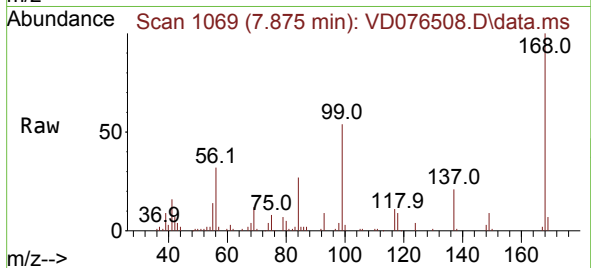
VD0621SBSD01

Tgt Ion:168 Resp: 122205

Ion Ratio Lower Upper

168 100

99 53.4 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 21.799 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD076508.D

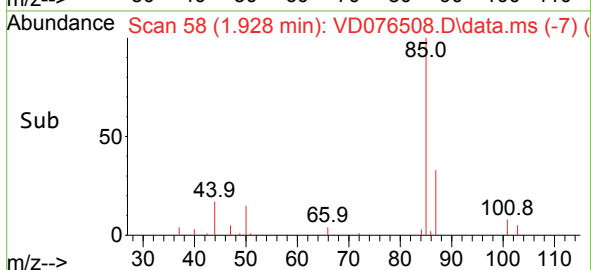
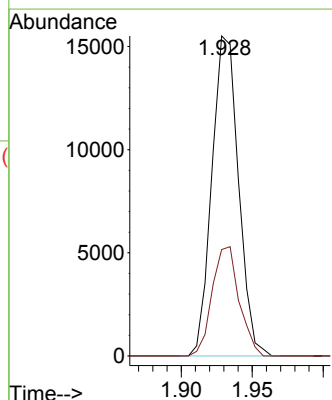
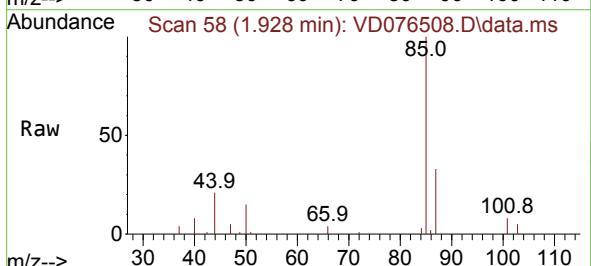
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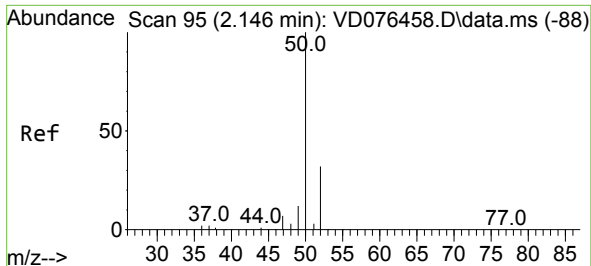
Tgt Ion: 85 Resp: 20242

Ion Ratio Lower Upper

85 100

87 33.2 15.7 47.0

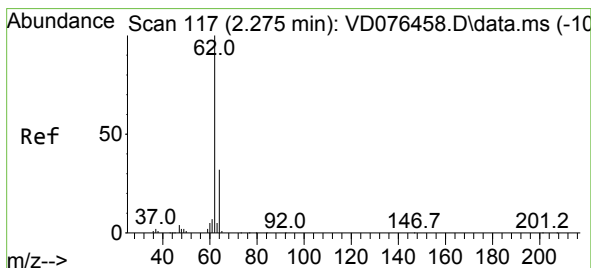
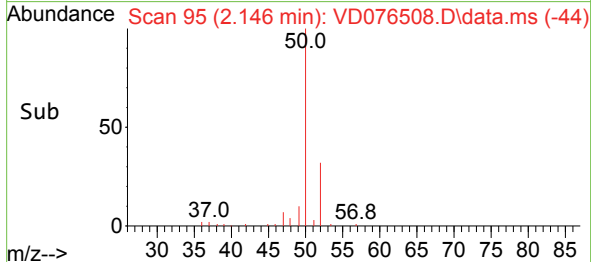
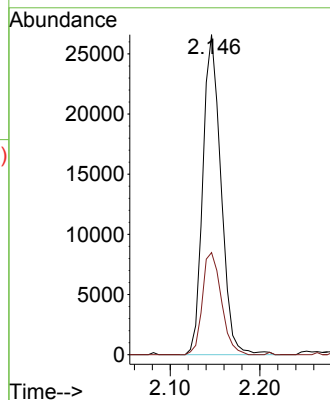
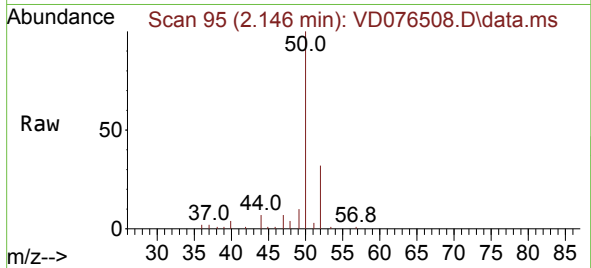




#3  
Chloromethane  
Concen: 19.313 ug/l  
RT: 2.146 min Scan# 95  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

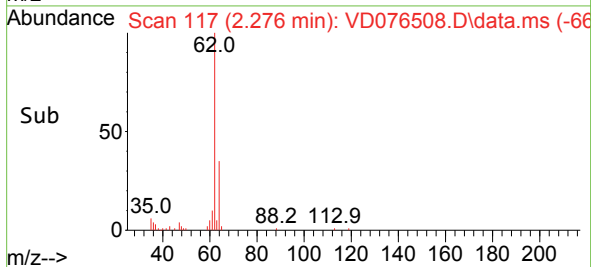
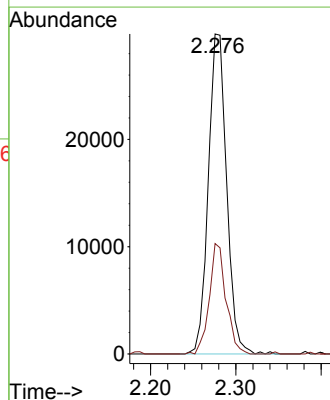
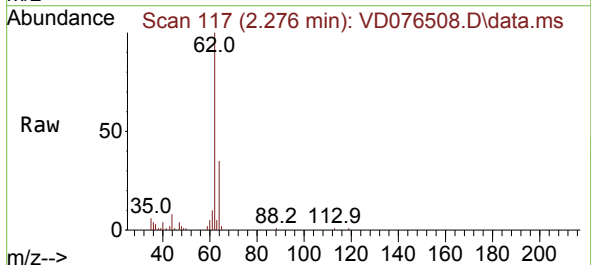
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

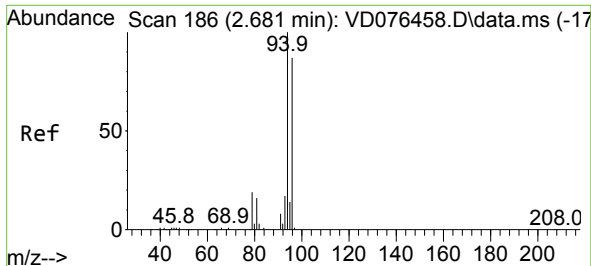
Tgt Ion: 50 Resp: 37298  
Ion Ratio Lower Upper  
50 100  
52 31.9 26.6 40.0



#4  
Vinyl Chloride  
Concen: 20.652 ug/l  
RT: 2.276 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 62 Resp: 44490  
Ion Ratio Lower Upper  
62 100  
64 34.5 26.0 39.0

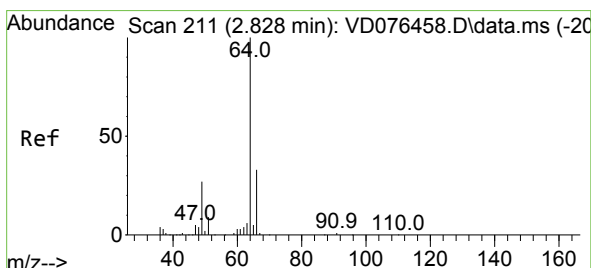
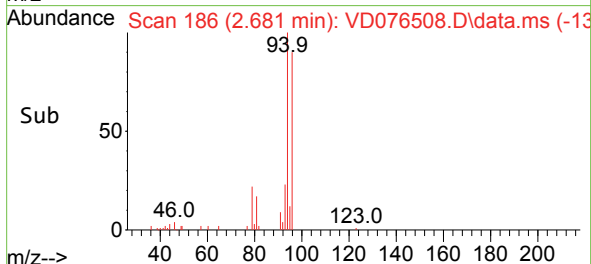
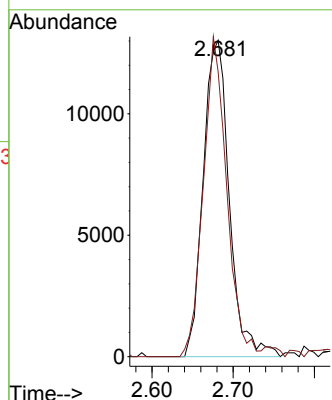
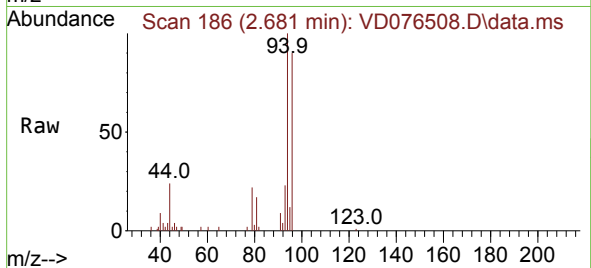




#5  
Bromomethane  
Concen: 20.752 ug/l  
RT: 2.681 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

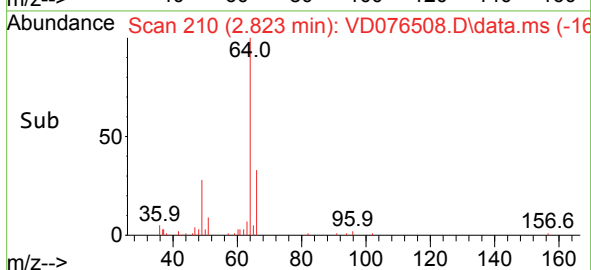
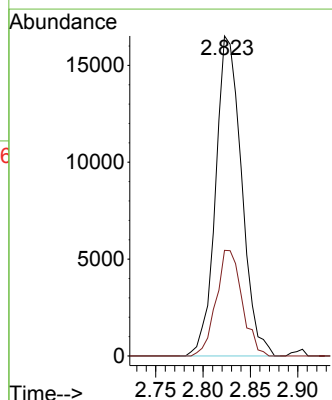
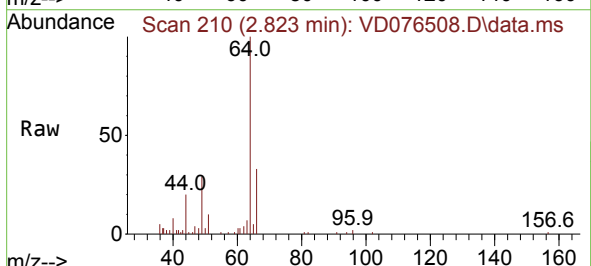
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

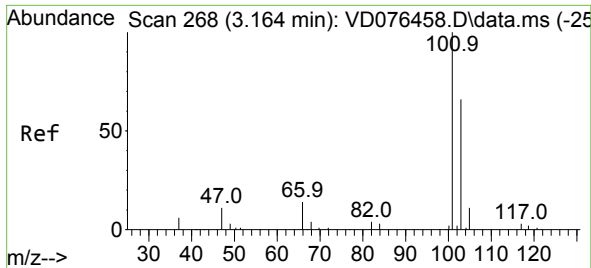
Tgt Ion: 94 Resp: 29069  
Ion Ratio Lower Upper  
94 100  
96 90.8 75.8 113.8



#6  
Chloroethane  
Concen: 21.342 ug/l  
RT: 2.823 min Scan# 210  
Delta R.T. -0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 64 Resp: 31512  
Ion Ratio Lower Upper  
64 100  
66 33.0 25.5 38.3

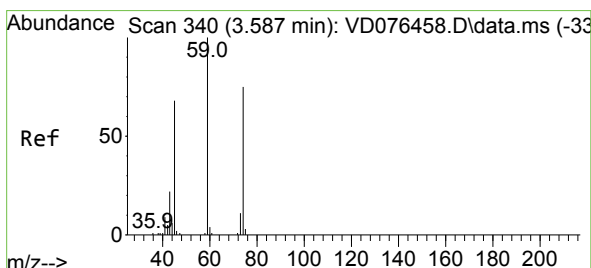
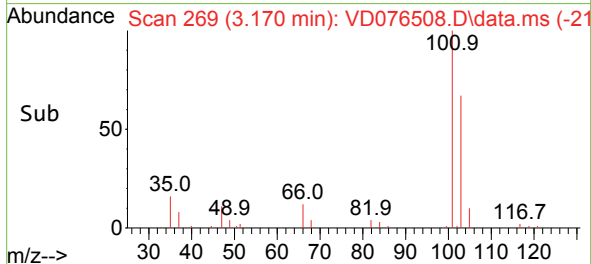
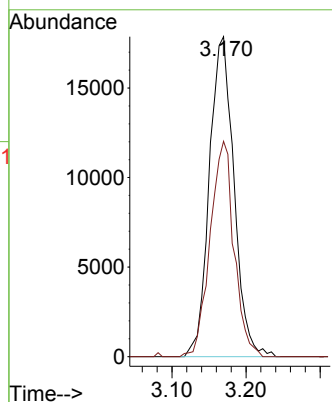
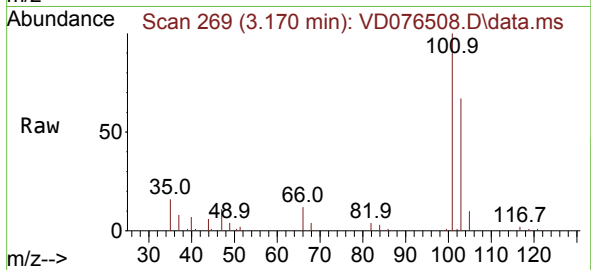




#7  
Trichlorofluoromethane  
Concen: 23.199 ug/l  
RT: 3.170 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

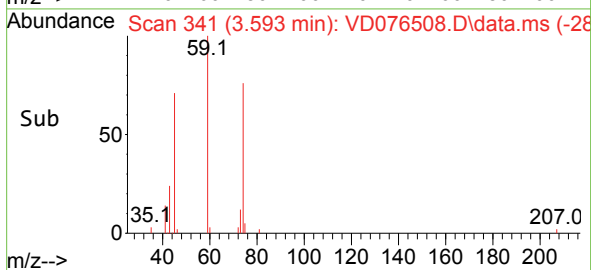
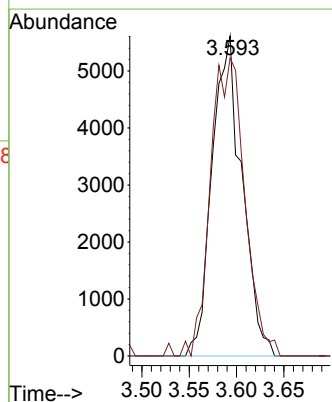
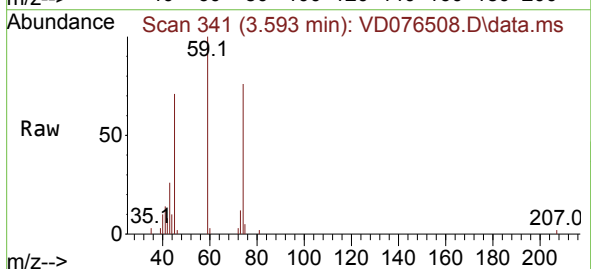
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

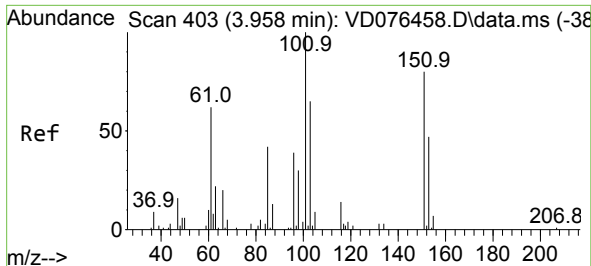
Tgt Ion:101 Resp: 41130  
Ion Ratio Lower Upper  
101 100  
103 67.3 52.3 78.5



#8  
Diethyl Ether  
Concen: 18.432 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 74 Resp: 12298  
Ion Ratio Lower Upper  
74 100  
45 107.0 37.5 112.7

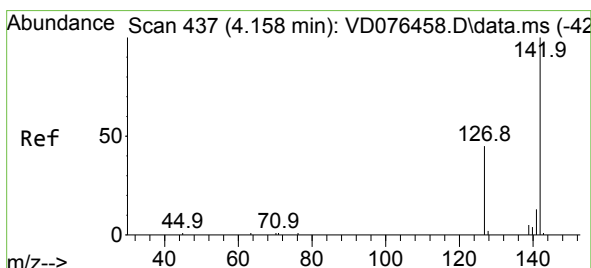
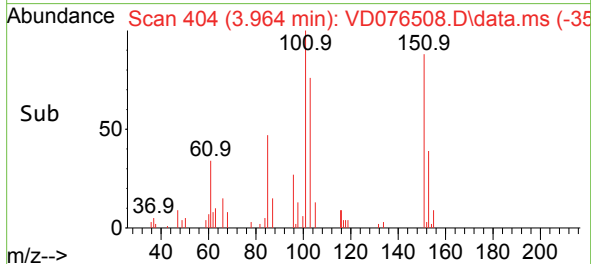
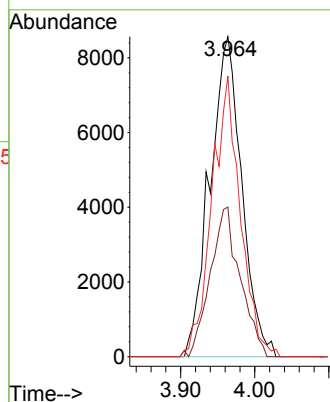
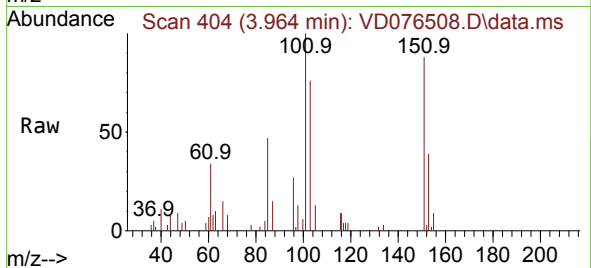




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 22.343 ug/l  
RT: 3.964 min Scan# 403  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

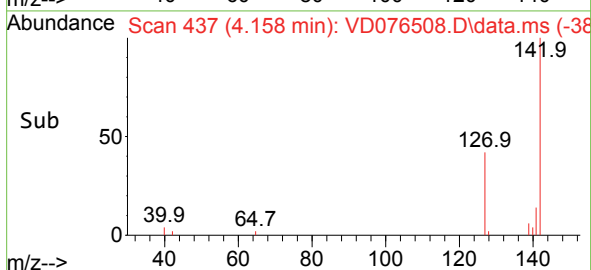
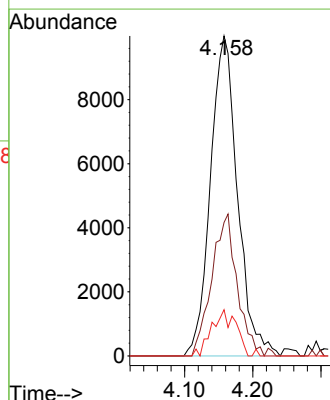
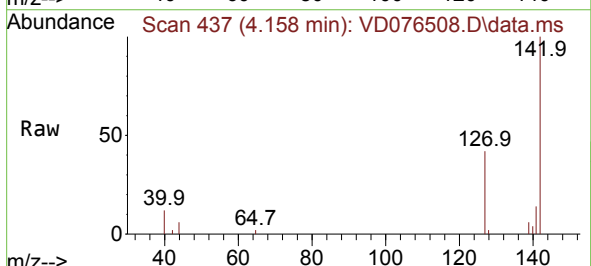
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBS01

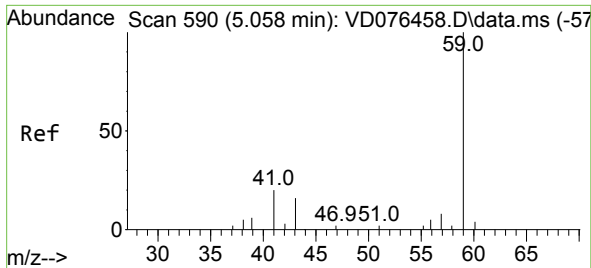
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:101 | Resp: | 25511     |
| Ion Ratio   | Lower | Upper     |
| 101         | 100   |           |
| 85          | 44.1  | 33.8 50.6 |
| 151         | 78.5  | 59.8 89.6 |



#10  
Methyl Iodide  
Concen: 20.399 ug/l  
RT: 4.158 min Scan# 437  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:142 | Resp: | 27613     |
| Ion Ratio   | Lower | Upper     |
| 142         | 100   |           |
| 127         | 41.7  | 29.4 44.0 |
| 141         | 12.9  | 11.1 16.7 |





#11

Tert butyl alcohol

Concen: 99.835 ug/l

RT: 5.069 min Scan# 51

Delta R.T. 0.012 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

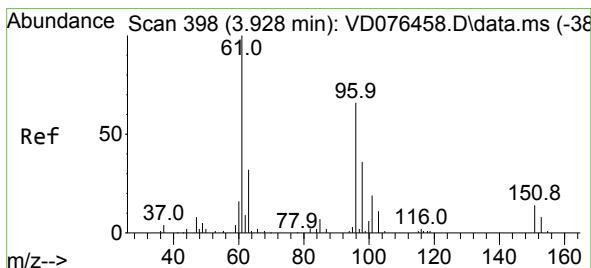
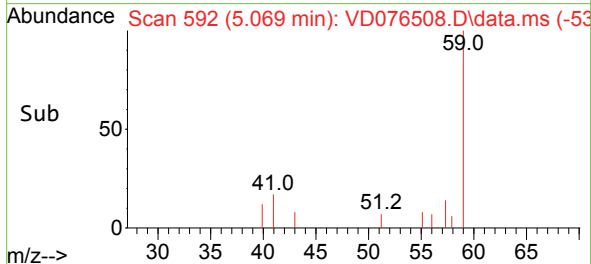
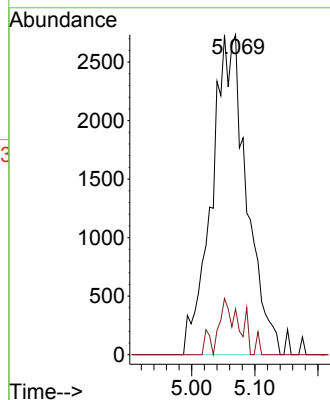
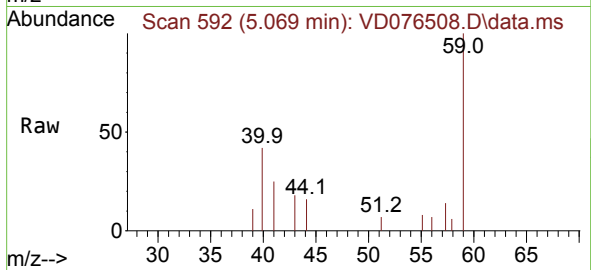
VD0621SBSD01

Tgt Ion: 59 Resp: 10554

Ion Ratio Lower Upper

59 100

57 9.2 7.8 11.8



#12

1,1-Dichloroethene

Concen: 21.161 ug/l

RT: 3.940 min Scan# 400

Delta R.T. 0.012 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

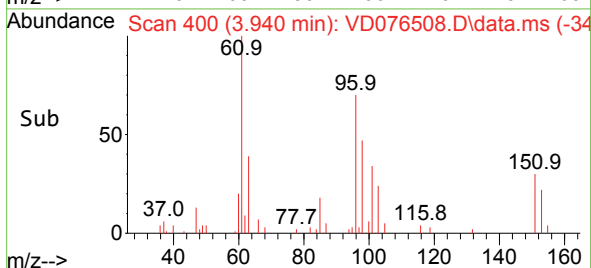
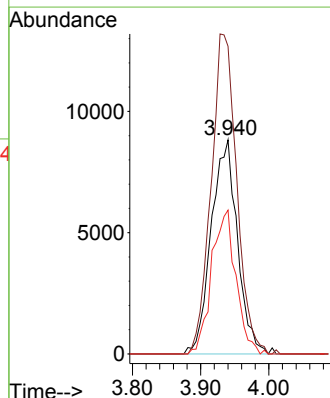
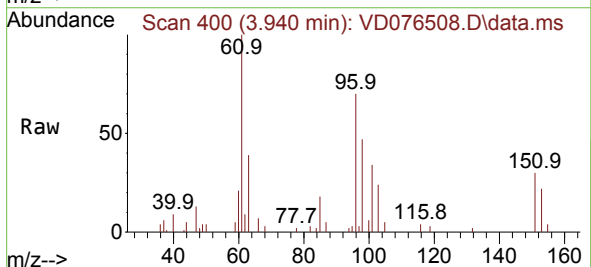
Tgt Ion: 96 Resp: 23663

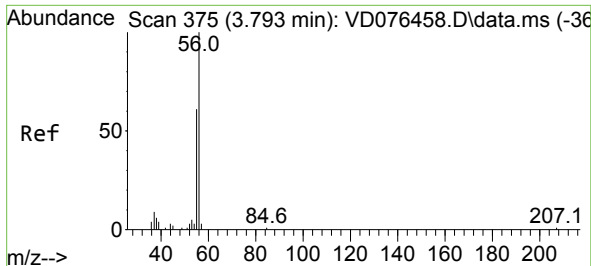
Ion Ratio Lower Upper

96 100

61 143.7 100.6 150.8

98 67.2 50.2 75.2

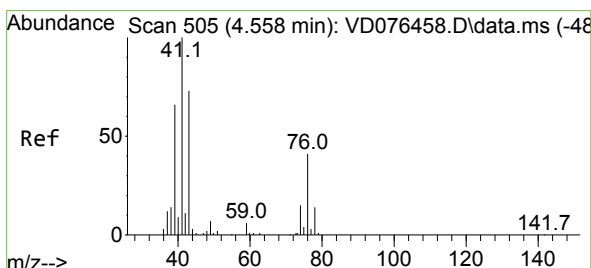
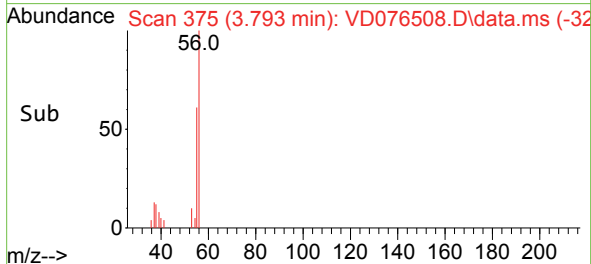
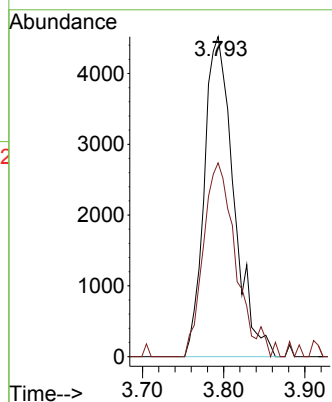
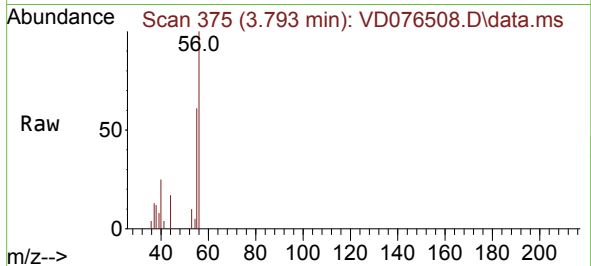




#13  
Acrolein  
Concen: 100.514 ug/l  
RT: 3.793 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

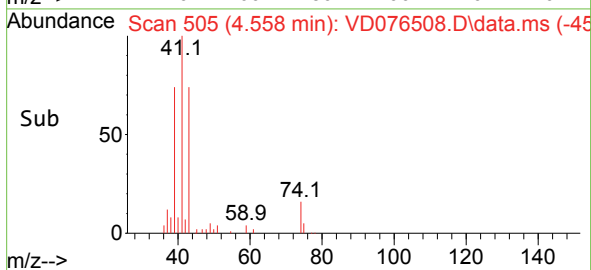
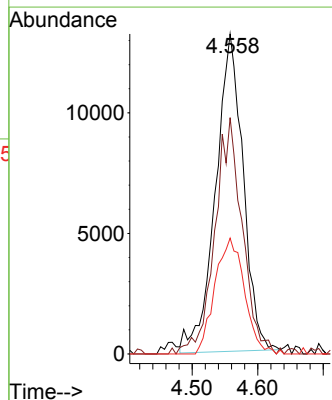
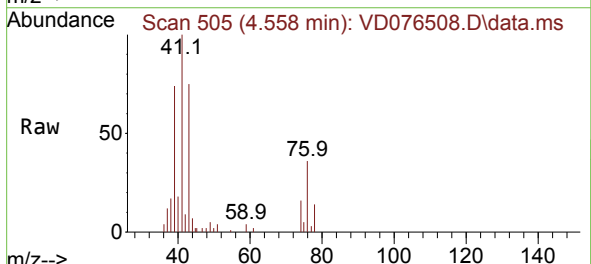
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

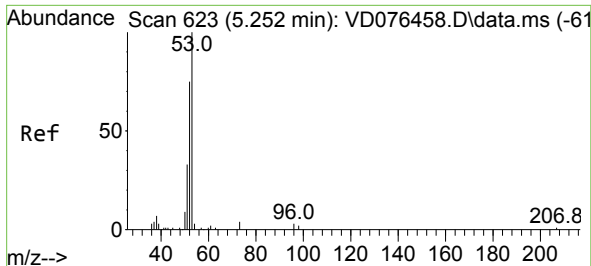
Tgt Ion: 56 Resp: 11445  
Ion Ratio Lower Upper  
56 100  
55 66.5 55.1 82.7



#14  
Allyl chloride  
Concen: 18.745 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 41 Resp: 38333  
Ion Ratio Lower Upper  
41 100  
39 74.2 53.8 80.6  
76 39.2 45.8 68.8#

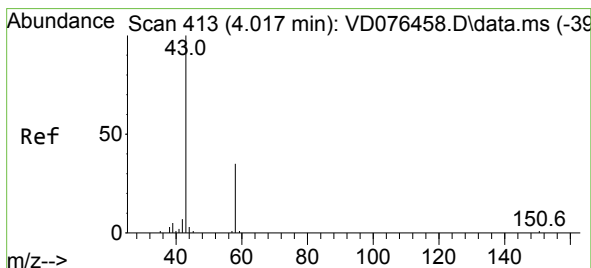
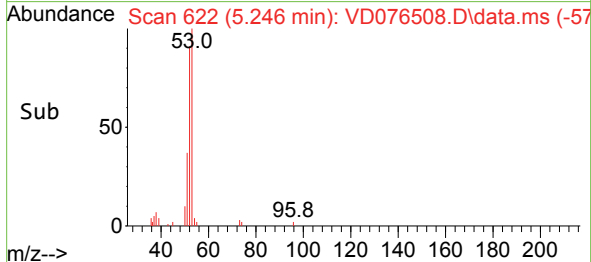
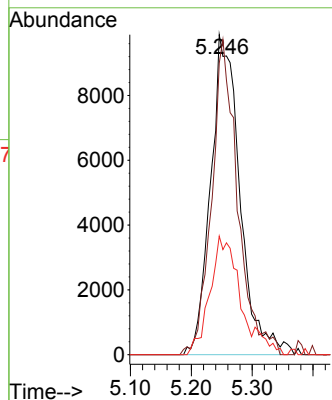
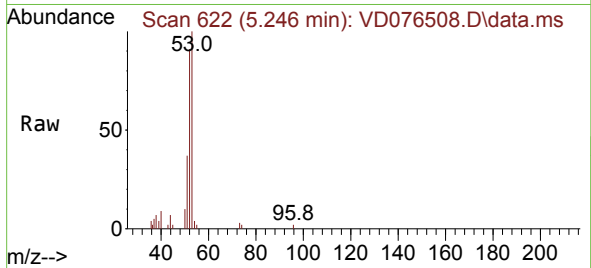




#15  
Acrylonitrile  
Concen: 95.445 ug/l  
RT: 5.246 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

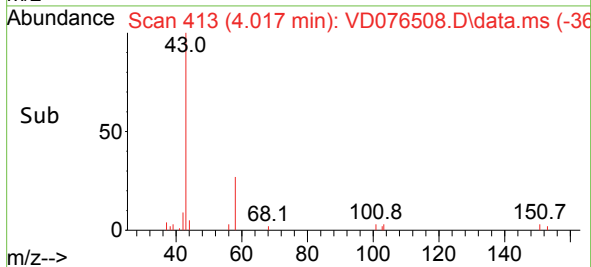
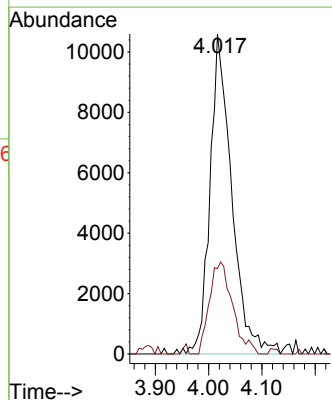
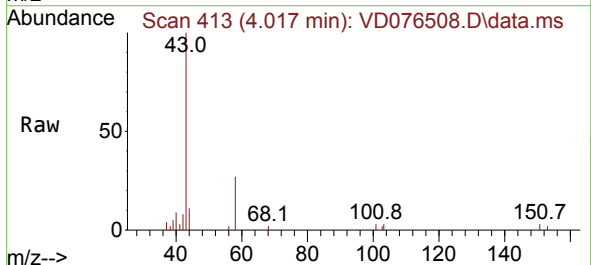
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

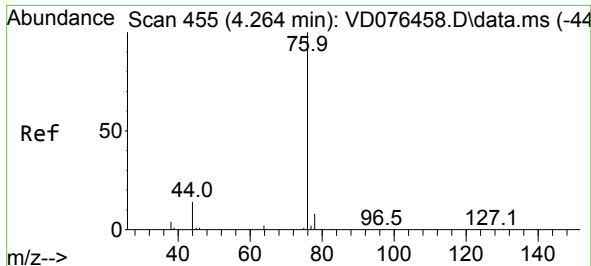
Tgt Ion: 53 Resp: 32747  
Ion Ratio Lower Upper  
53 100  
52 88.4 65.0 97.4  
51 35.4 28.3 42.5



#16  
Acetone  
Concen: 103.100 ug/l  
RT: 4.017 min Scan# 413  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 43 Resp: 30039  
Ion Ratio Lower Upper  
43 100  
58 26.7 34.7 52.1#

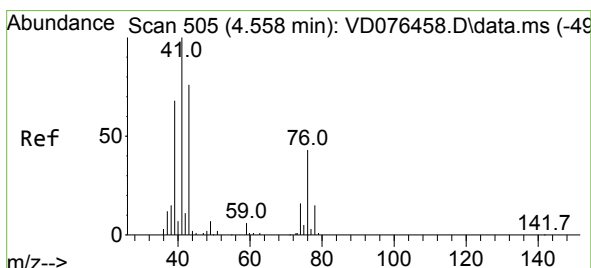
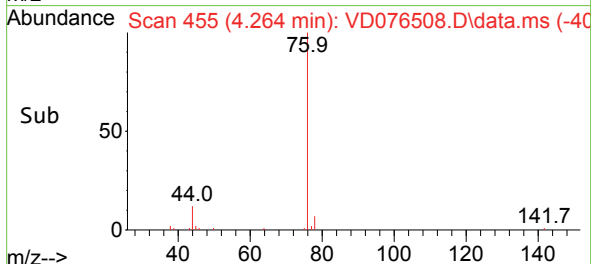
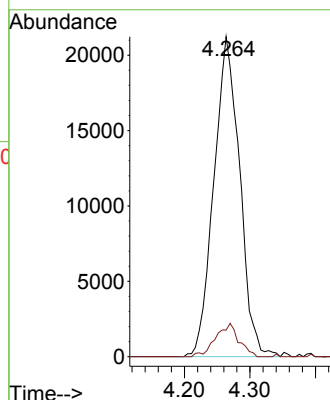
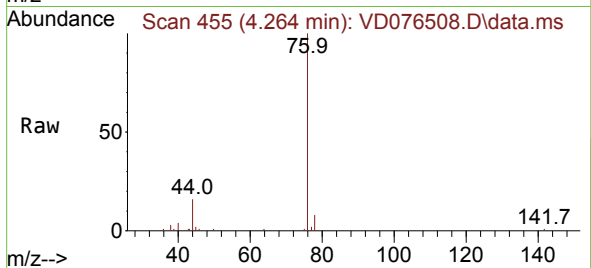




#17  
Carbon Disulfide  
Concen: 18.983 ug/l  
RT: 4.264 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

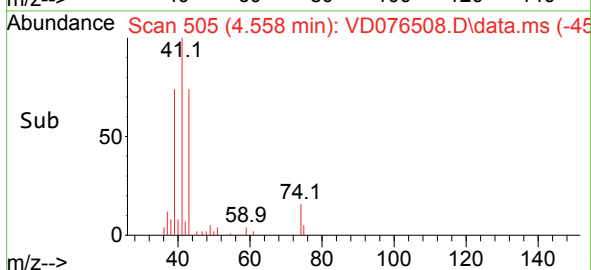
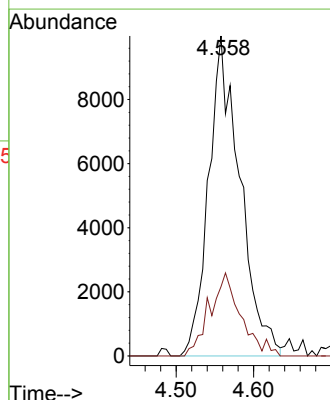
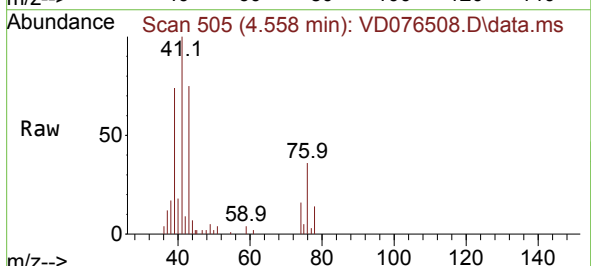
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

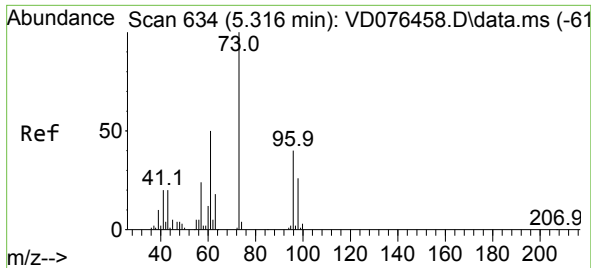
Tgt Ion: 76 Resp: 57999  
Ion Ratio Lower Upper  
76 100  
78 8.3 6.8 10.2



#18  
Methyl Acetate  
Concen: 20.881 ug/l  
RT: 4.558 min Scan# 505  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 43 Resp: 28038  
Ion Ratio Lower Upper  
43 100  
74 24.7 26.4 39.6#





#19

Methyl tert-butyl Ether

Concen: 19.217 ug/l

RT: 5.317 min Scan# 61

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

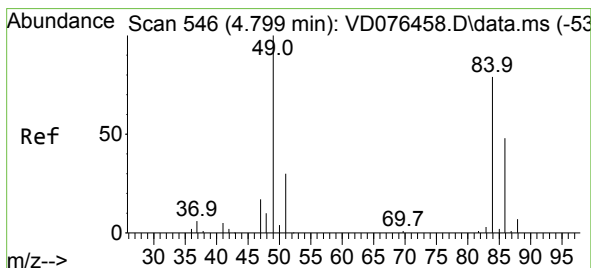
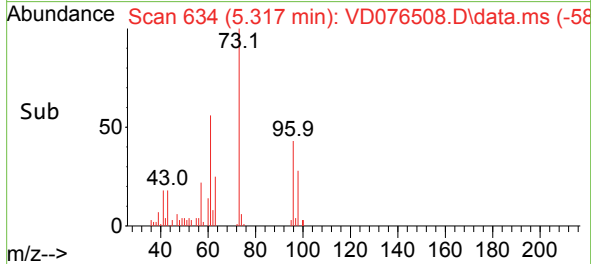
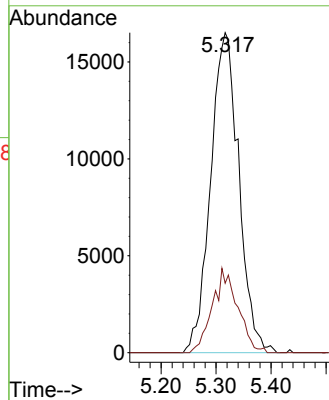
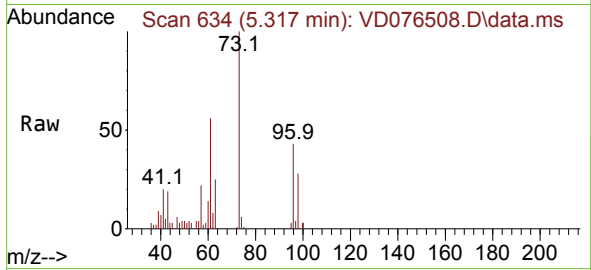
VD0621SBSD01

Tgt Ion: 73 Resp: 58781

Ion Ratio Lower Upper

73 100

57 21.7 16.6 25.0



#20

Methylene Chloride

Concen: 20.909 ug/l

RT: 4.793 min Scan# 545

Delta R.T. -0.006 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Tgt Ion: 84 Resp: 41528

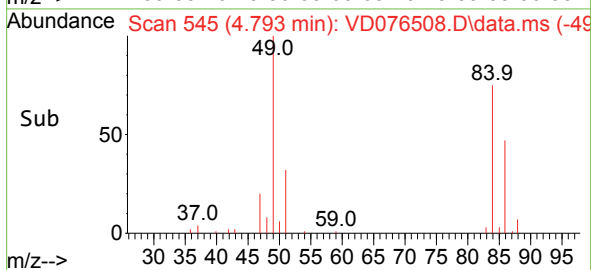
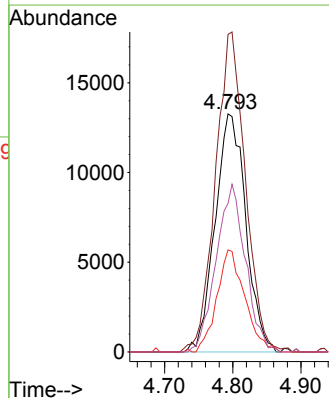
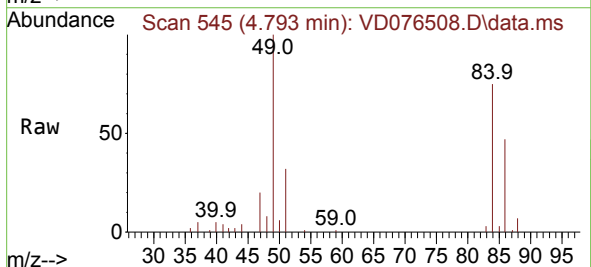
Ion Ratio Lower Upper

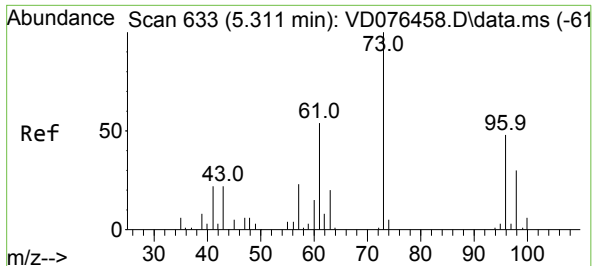
84 100

49 133.4 71.4 107.2#

51 42.9 24.5 36.7#

86 62.5 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 19.866 ug/l

RT: 5.299 min Scan# 61

Delta R.T. -0.012 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

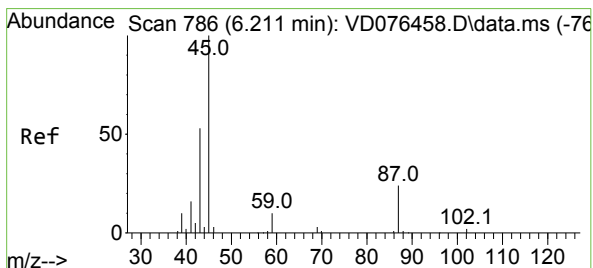
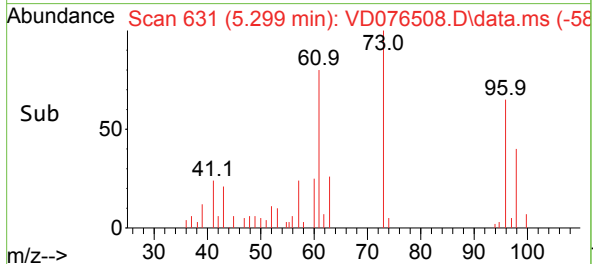
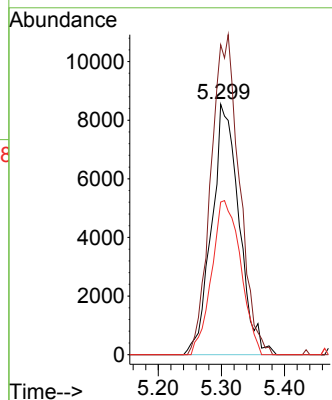
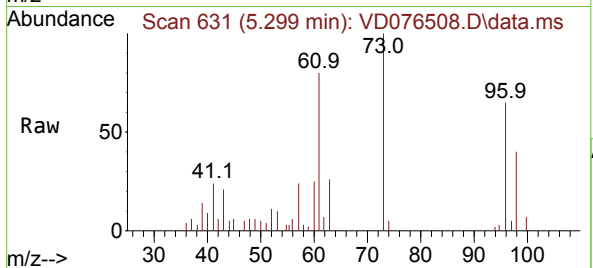
Tgt Ion: 96 Resp: 25676

Ion Ratio Lower Upper

96 100

61 123.7 89.3 133.9

98 61.0 48.6 73.0



#22

Diisopropyl ether

Concen: 18.788 ug/l

RT: 6.211 min Scan# 786

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Tgt Ion: 45 Resp: 83081

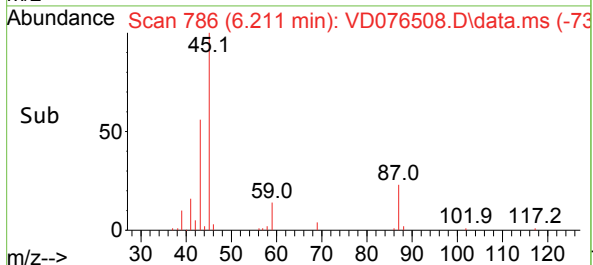
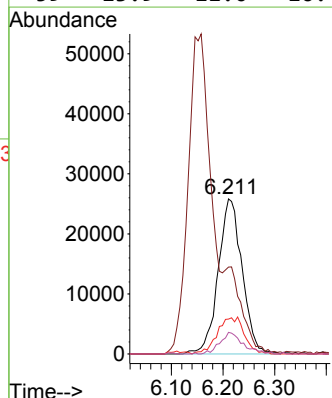
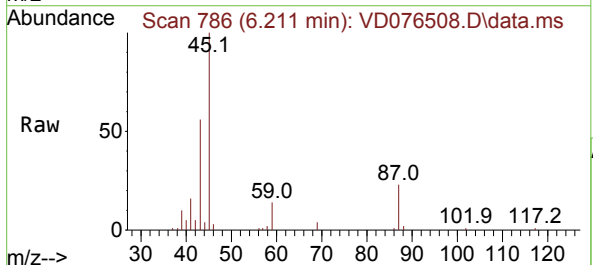
Ion Ratio Lower Upper

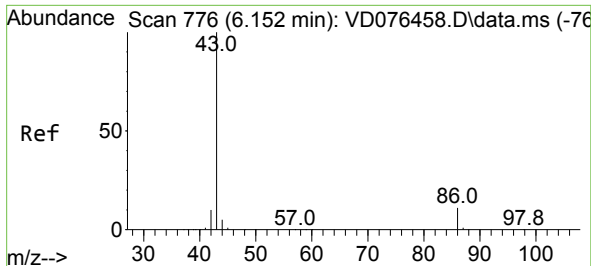
45 100

43 54.7 40.0 60.0

87 22.5 28.2 42.4#

59 13.9 11.0 16.4

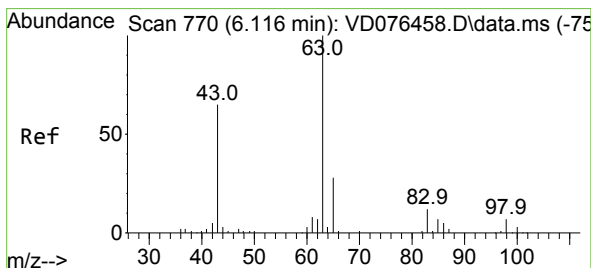
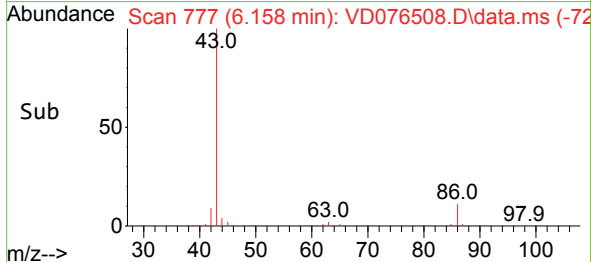
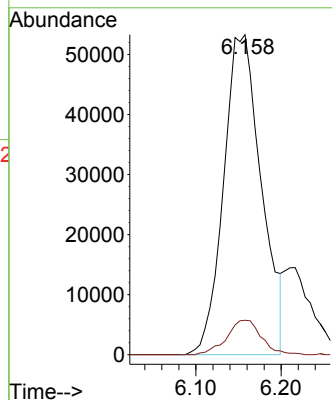
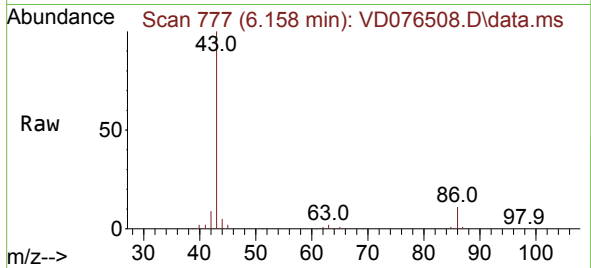




#23  
 Vinyl Acetate  
 Concen: 74.918 ug/l  
 RT: 6.158 min Scan# 71  
 Delta R.T. 0.006 min  
 Lab File: VD076508.D  
 Acq: 21 Jun 2023 12:53

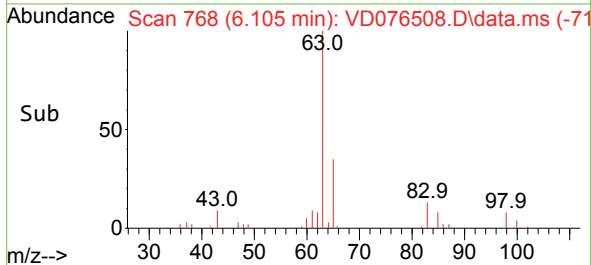
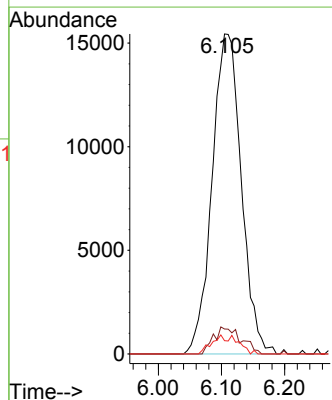
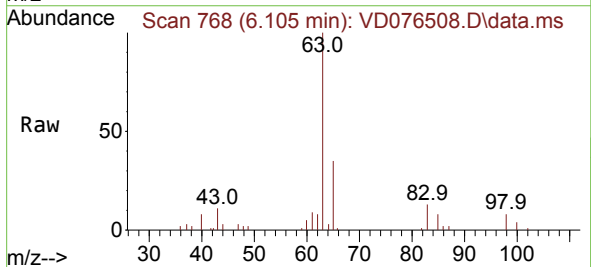
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0621SBS01

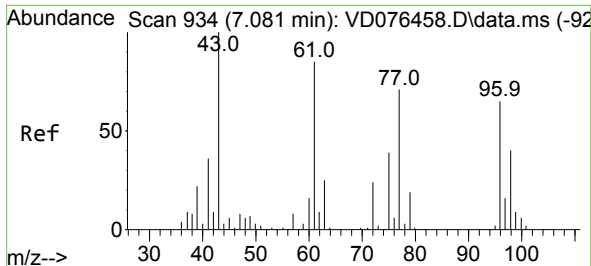
Tgt Ion: 43 Resp: 164209  
 Ion Ratio Lower Upper  
 43 100  
 86 10.7 12.5 18.7#



#24  
 1,1-Dichloroethane  
 Concen: 20.097 ug/l  
 RT: 6.105 min Scan# 768  
 Delta R.T. -0.011 min  
 Lab File: VD076508.D  
 Acq: 21 Jun 2023 12:53

Tgt Ion: 63 Resp: 49624  
 Ion Ratio Lower Upper  
 63 100  
 98 7.8 4.5 13.7  
 100 4.2 2.5 7.5

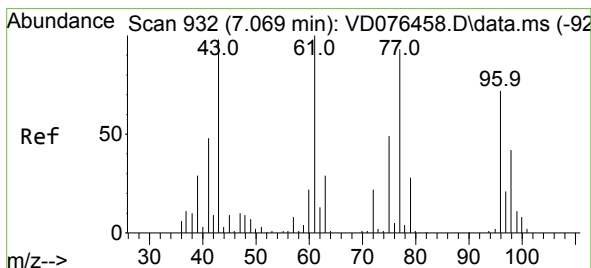
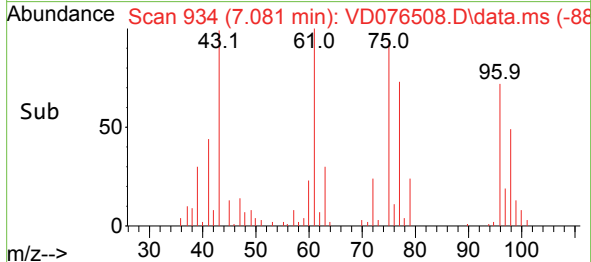
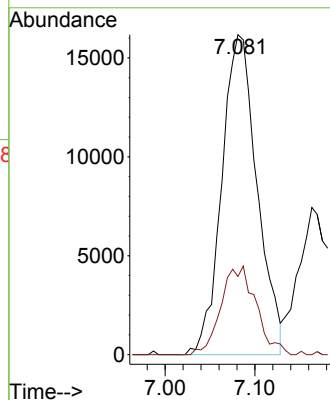
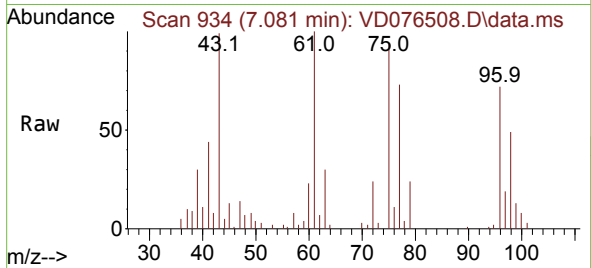




#25  
2-Butanone  
Concen: 98.244 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

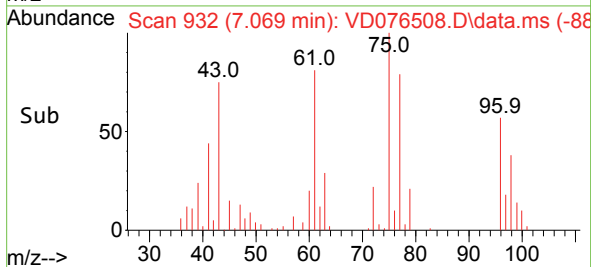
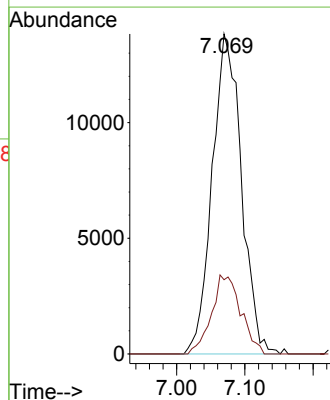
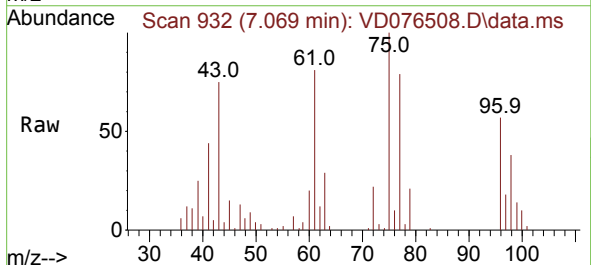
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

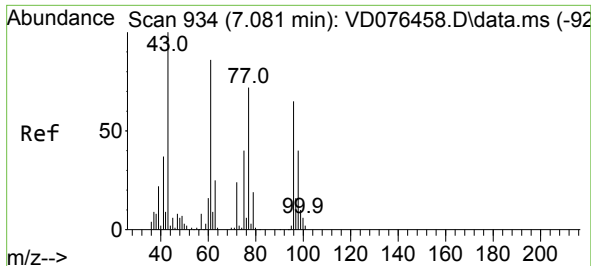
Tgt Ion: 43 Resp: 44273  
Ion Ratio Lower Upper  
43 100  
72 24.5 30.7 46.1#



#26  
2,2-Dichloropropane  
Concen: 19.319 ug/l  
RT: 7.069 min Scan# 932  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 77 Resp: 41128  
Ion Ratio Lower Upper  
77 100  
97 24.7 13.2 39.6

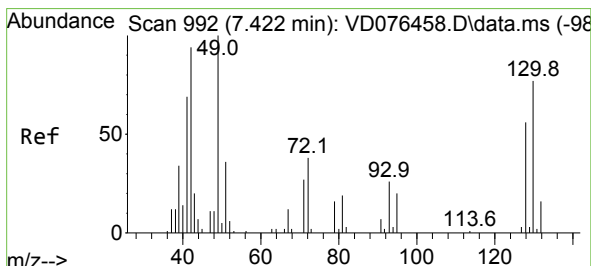
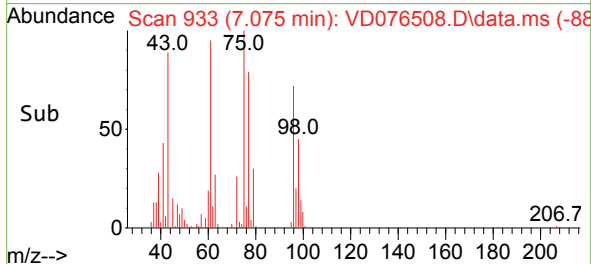
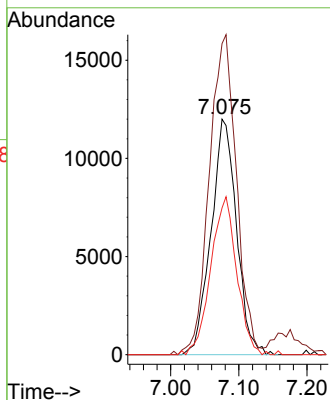
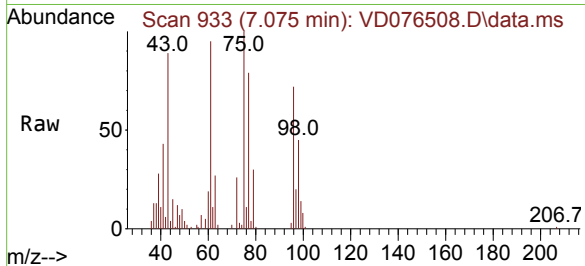




#27  
 cis-1,2-Dichloroethene  
 Concen: 19.989 ug/l  
 RT: 7.075 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VD076508.D  
 Acq: 21 Jun 2023 12:53

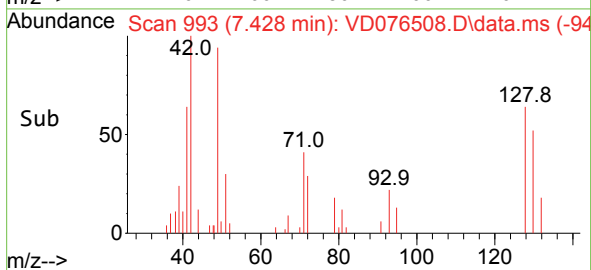
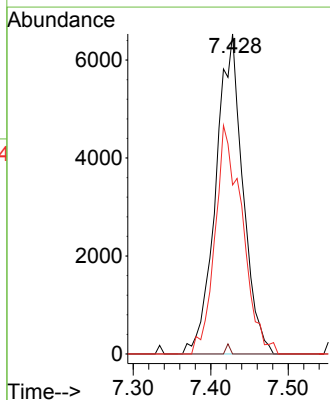
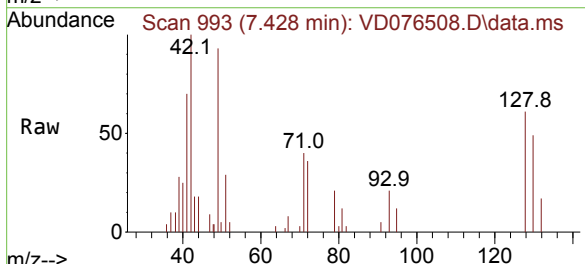
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0621SBSD01

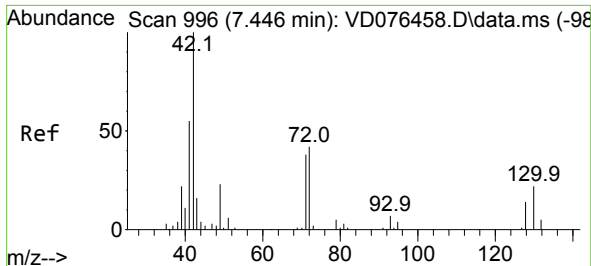
Tgt Ion: 96 Resp: 31266  
 Ion Ratio Lower Upper  
 96 100  
 61 144.3 0.0 239.2  
 98 68.3 0.0 128.6



#28  
 Bromochloromethane  
 Concen: 21.117 ug/l  
 RT: 7.428 min Scan# 993  
 Delta R.T. 0.006 min  
 Lab File: VD076508.D  
 Acq: 21 Jun 2023 12:53

Tgt Ion: 49 Resp: 15859  
 Ion Ratio Lower Upper  
 49 100  
 129 0.5 0.0 6.0  
 130 72.1 83.2 124.8#





#29

Tetrahydrofuran

Concen: 94.694 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.006 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

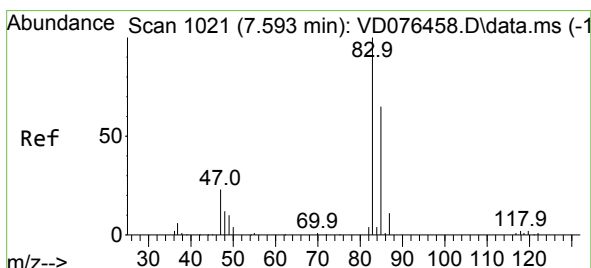
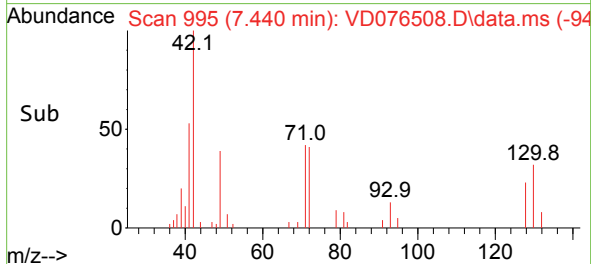
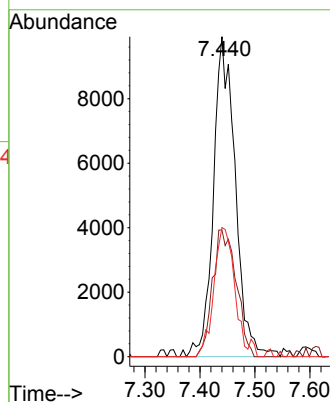
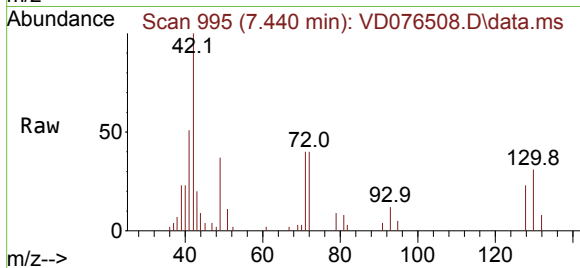
Tgt Ion: 42 Resp: 27424

Ion Ratio Lower Upper

42 100

72 42.7 46.5 69.7#

71 37.9 44.5 66.7#



#30

Chloroform

Concen: 20.265 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD076508.D

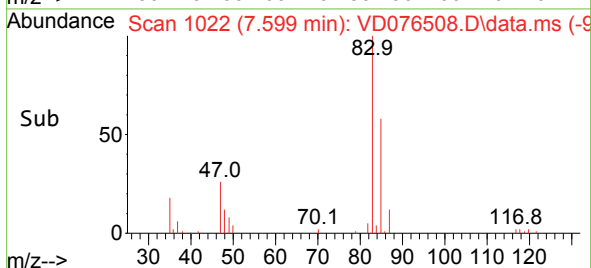
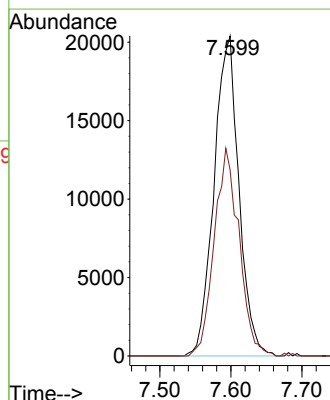
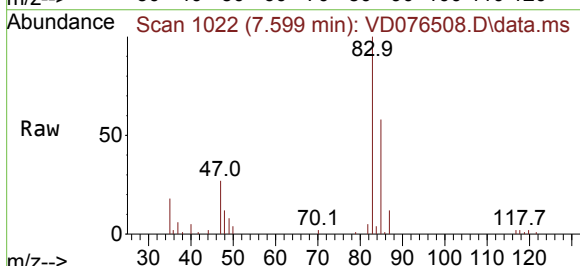
Acq: 21 Jun 2023 12:53

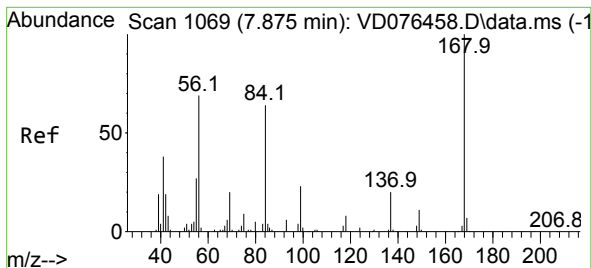
Tgt Ion: 83 Resp: 49548

Ion Ratio Lower Upper

83 100

85 58.1 53.4 80.2





#31

Cyclohexane

Concen: 20.320 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

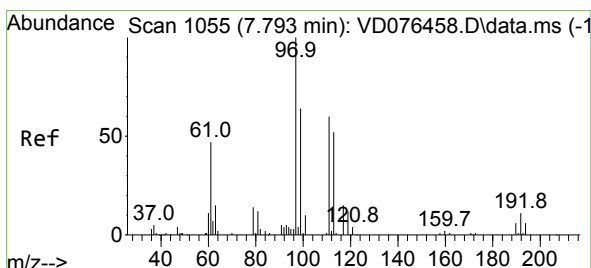
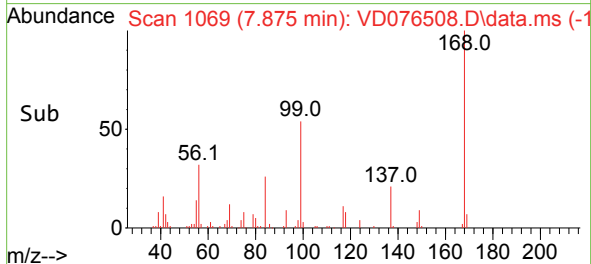
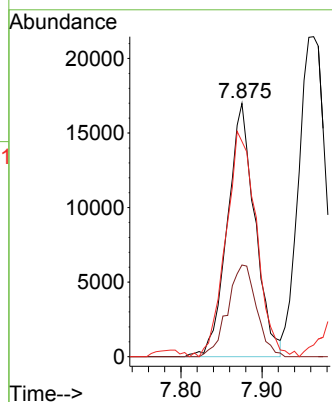
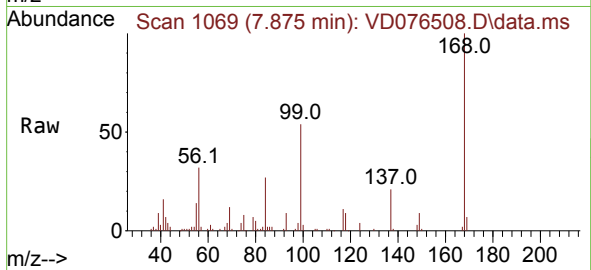
Tgt Ion: 56 Resp: 40096

Ion Ratio Lower Upper

56 100

69 36.2 28.6 43.0

84 83.9 84.8 127.2#



#32

1,1,1-Trichloroethane

Concen: 20.790 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

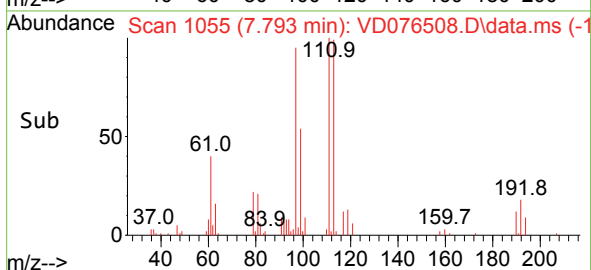
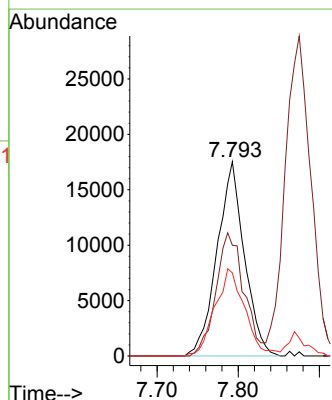
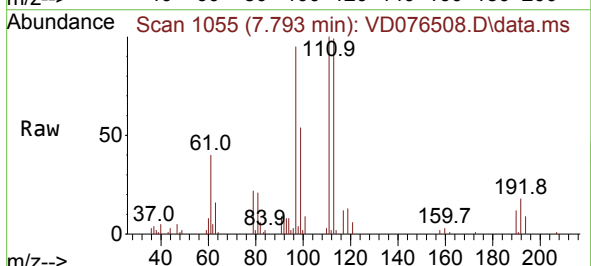
Tgt Ion: 97 Resp: 41090

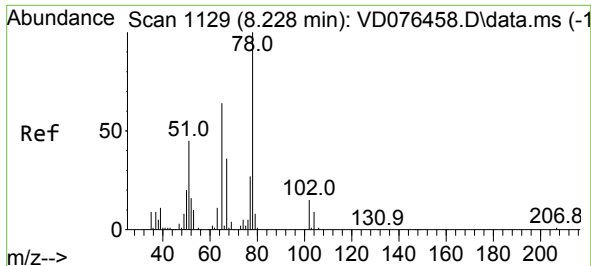
Ion Ratio Lower Upper

97 100

99 65.7 52.0 78.0

61 48.5 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 43.529 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

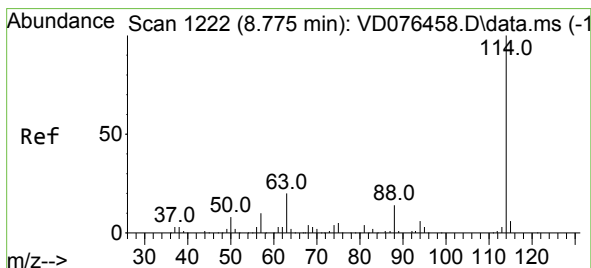
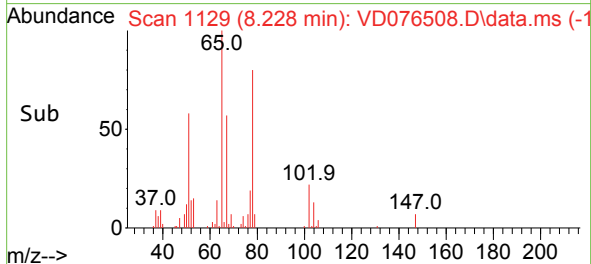
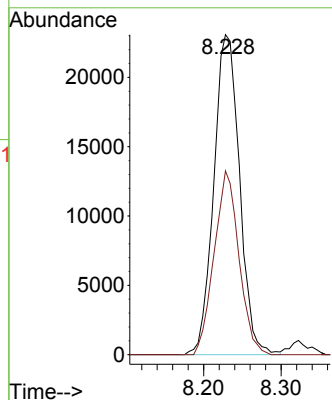
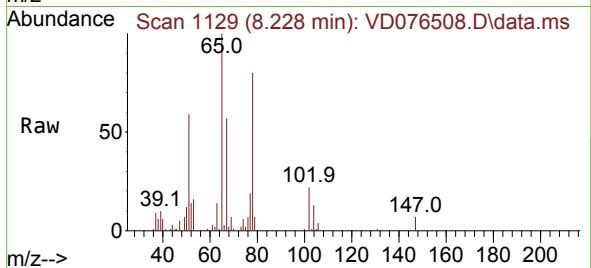
VD0621SBSD01

Tgt Ion: 65 Resp: 53297

Ion Ratio Lower Upper

65 100

67 55.3 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: VD076508.D

Acq: 21 Jun 2023 12:53

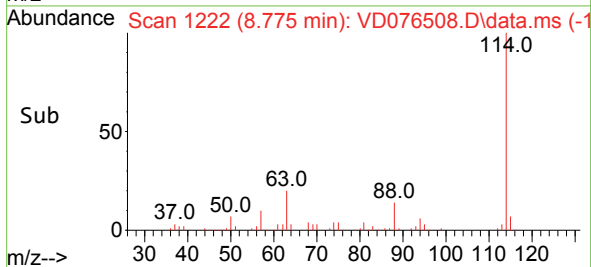
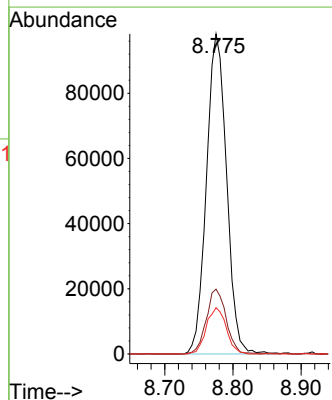
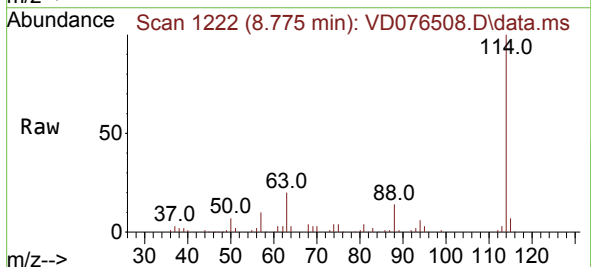
Tgt Ion: 114 Resp: 201794

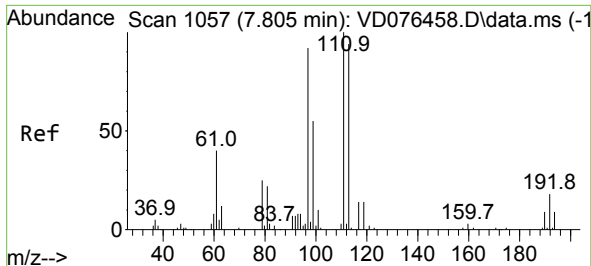
Ion Ratio Lower Upper

114 100

63 20.2 0.0 33.4

88 14.4 0.0 26.2





#35

Dibromofluoromethane

Concen: 46.181 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

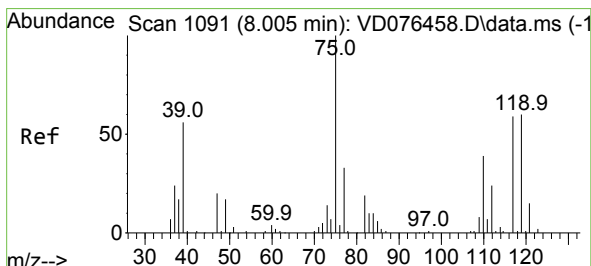
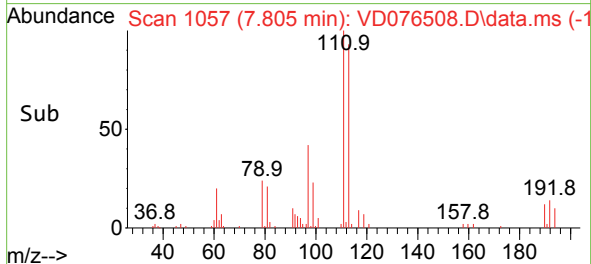
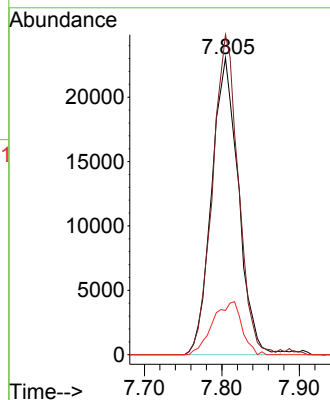
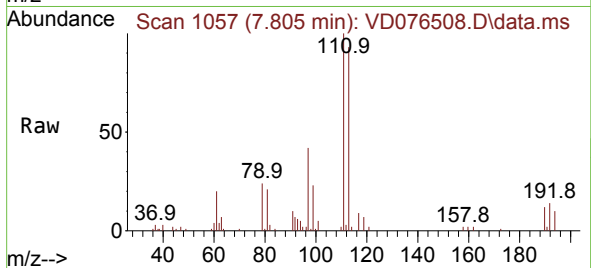
Tgt Ion:113 Resp: 55362

Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 19.4 16.8 25.2



#36

1,1-Dichloropropene

Concen: 21.316 ug/l

RT: 8.005 min Scan# 1091

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

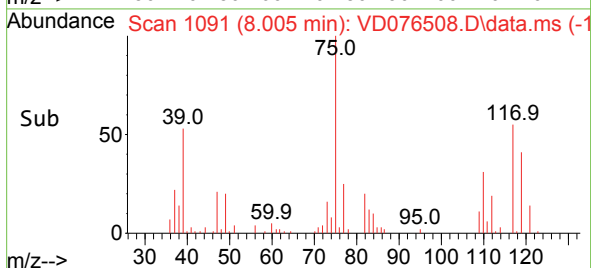
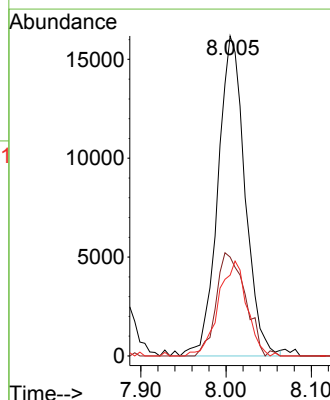
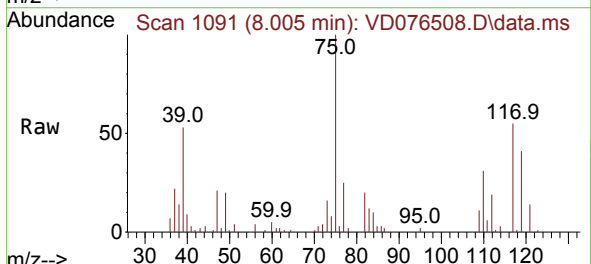
Tgt Ion: 75 Resp: 35784

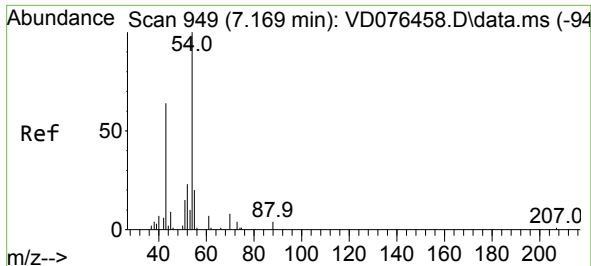
Ion Ratio Lower Upper

75 100

110 34.7 19.9 59.6

77 31.0 24.7 37.1

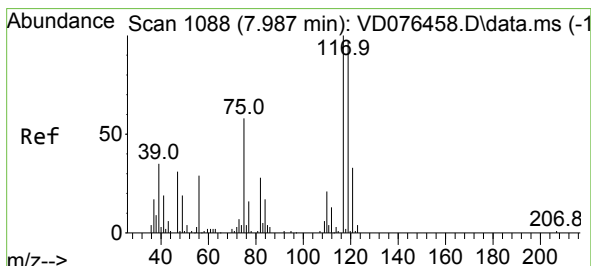
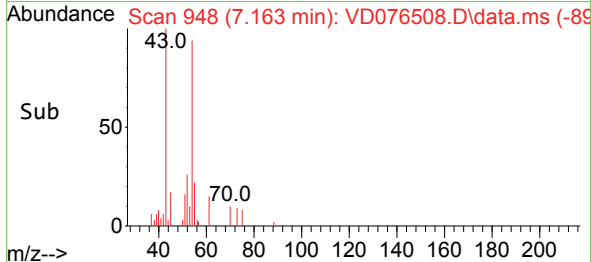
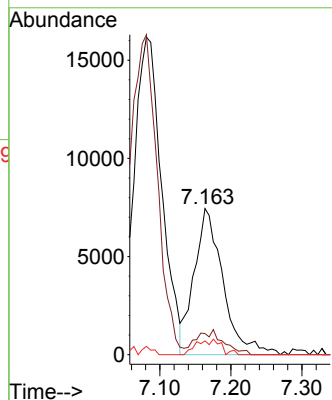
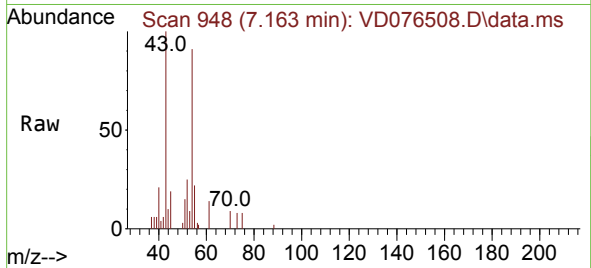




#37  
Ethyl Acetate  
Concen: 21.677 ug/l  
RT: 7.163 min Scan# 949  
Delta R.T. -0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

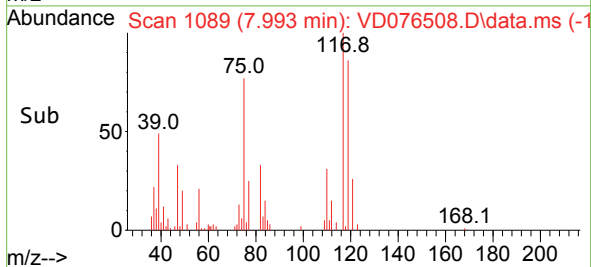
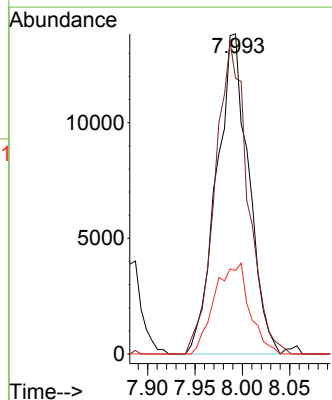
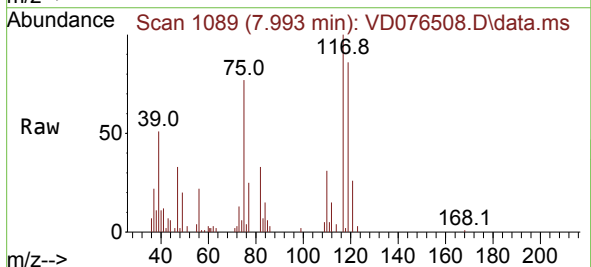
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

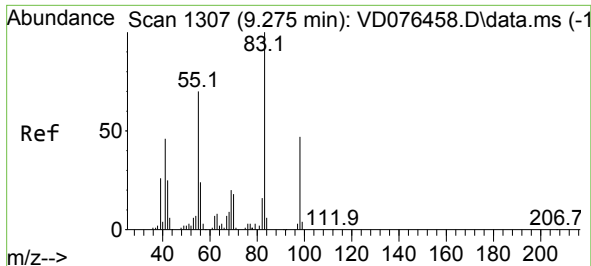
Tgt Ion: 43 Resp: 21087  
Ion Ratio Lower Upper  
43 100  
61 16.1 14.9 22.3  
70 5.0 10.0 15.0#



#38  
Carbon Tetrachloride  
Concen: 21.752 ug/l  
RT: 7.993 min Scan# 1089  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 117 Resp: 32638  
Ion Ratio Lower Upper  
117 100  
119 86.1 78.0 117.0  
121 26.1 24.2 36.2





#39

Methylcyclohexane

Concen: 21.683 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

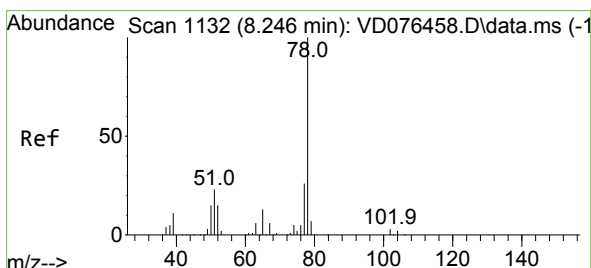
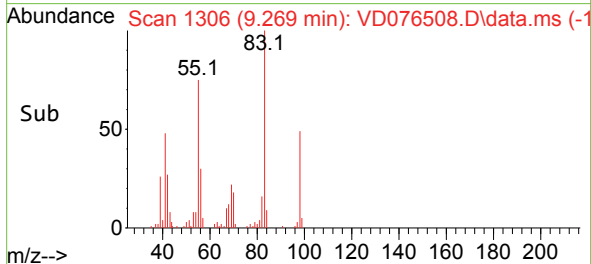
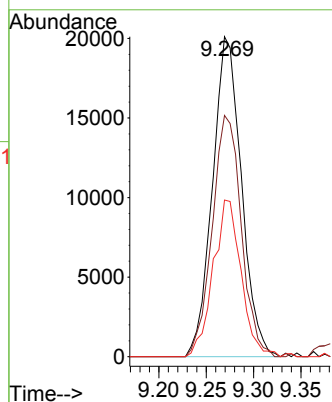
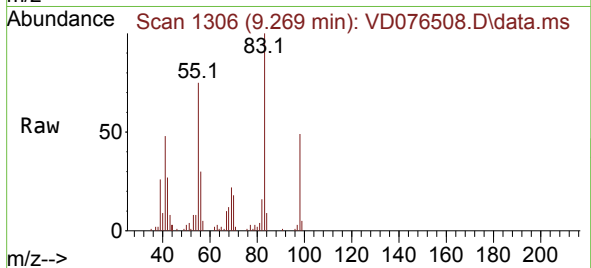
Tgt Ion: 83 Resp: 42716

Ion Ratio Lower Upper

83 100

55 75.4 49.4 74.0#

98 49.0 38.4 57.6



#40

Benzene

Concen: 20.869 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VD076508.D

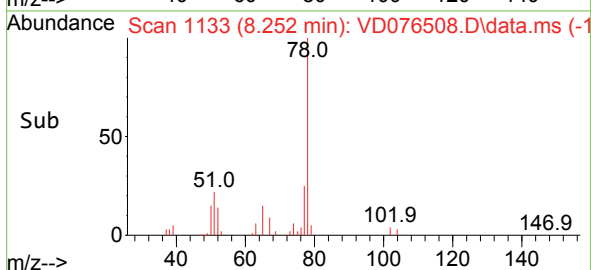
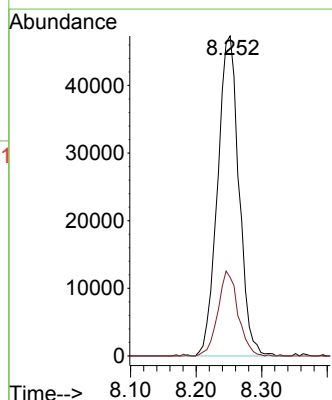
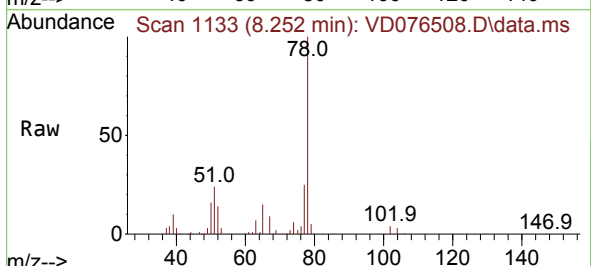
Acq: 21 Jun 2023 12:53

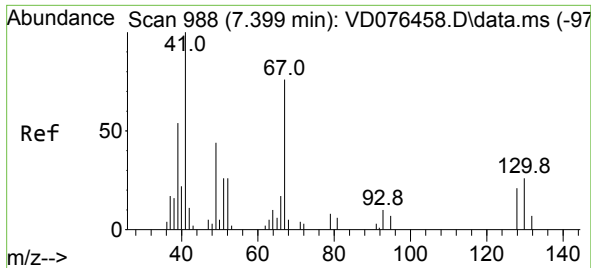
Tgt Ion: 78 Resp: 106837

Ion Ratio Lower Upper

78 100

77 24.5 19.4 29.0

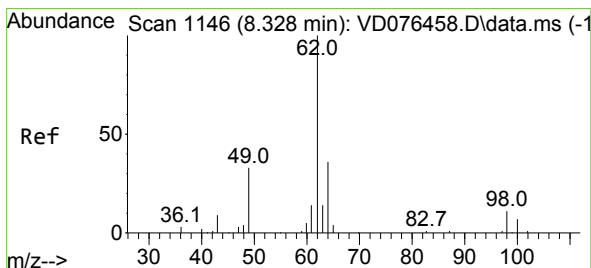
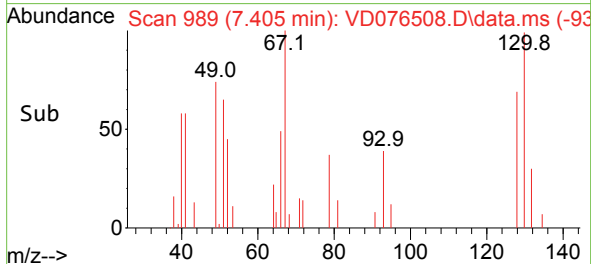
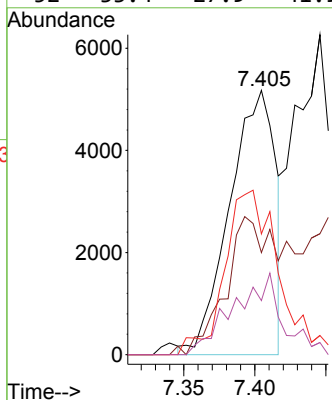
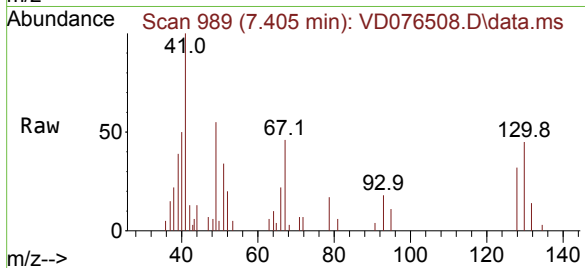




#41  
Methacrylonitrile  
Concen: 21.154 ug/l  
RT: 7.405 min Scan# 911  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

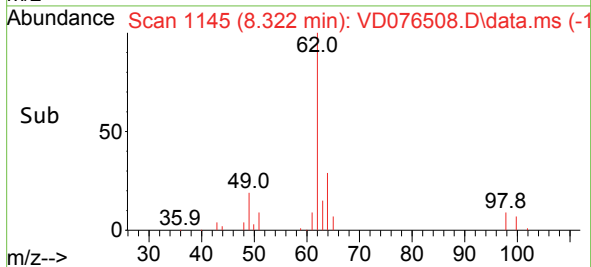
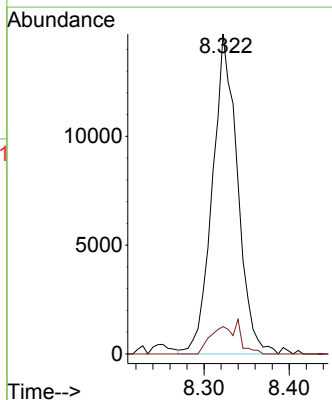
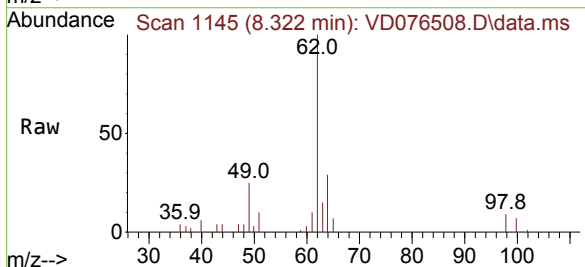
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MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

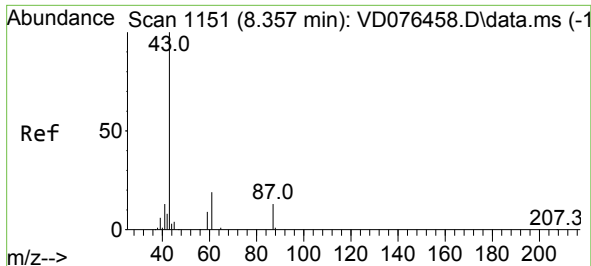
|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 11620 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 39 72.6     | 34.0 51.0#  |
| 67 72.4     | 77.0 115.4# |
| 52 33.4     | 27.9 41.9   |



#42  
1,2-Dichloroethane  
Concen: 21.763 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

|             |             |
|-------------|-------------|
| Tgt Ion: 62 | Resp: 30105 |
| Ion Ratio   | Lower Upper |
| 62 100      |             |
| 98 10.4     | 0.0 25.4    |

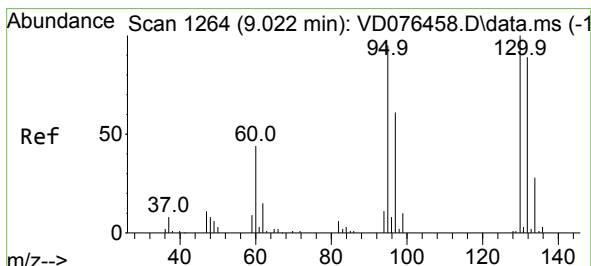
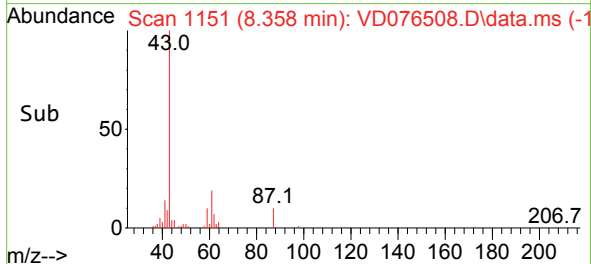
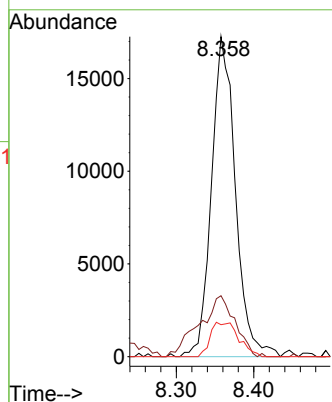
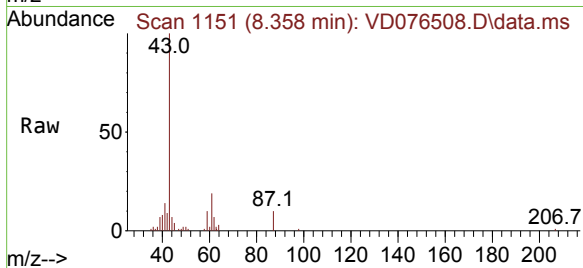




#43  
Isopropyl Acetate  
Concen: 20.120 ug/l  
RT: 8.358 min Scan# 1151  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

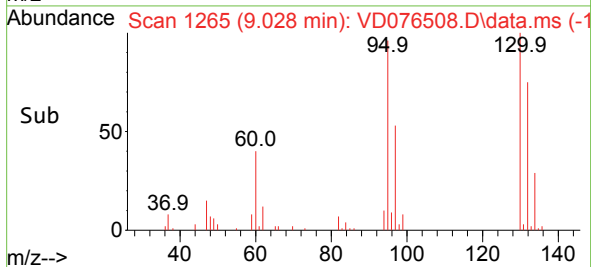
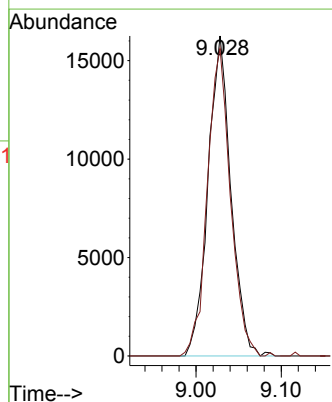
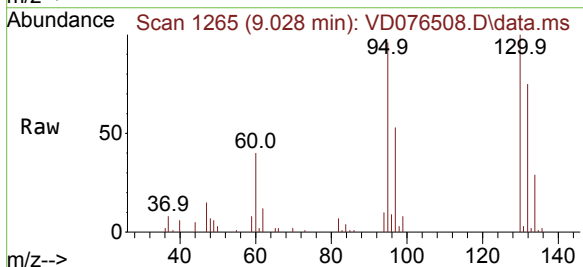
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

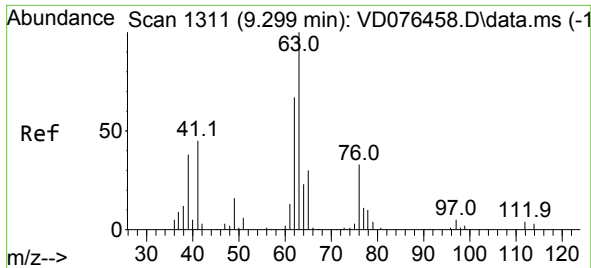
Tgt Ion: 43 Resp: 37054  
Ion Ratio Lower Upper  
43 100  
61 28.5 31.4 47.0#  
87 12.7 14.9 22.3#



#44  
Trichloroethene  
Concen: 22.025 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 130 Resp: 30417  
Ion Ratio Lower Upper  
130 100  
95 96.1 0.0 179.2





#45

1,2-Dichloropropane

Concen: 20.300 ug/l

RT: 9.305 min Scan# 1312

Delta R.T. 0.006 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

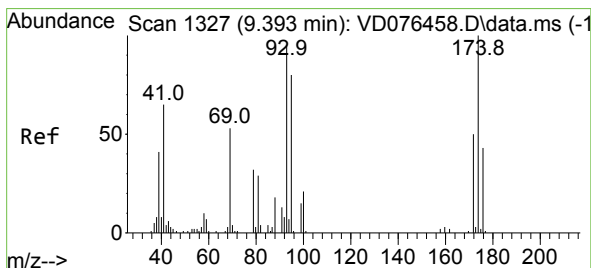
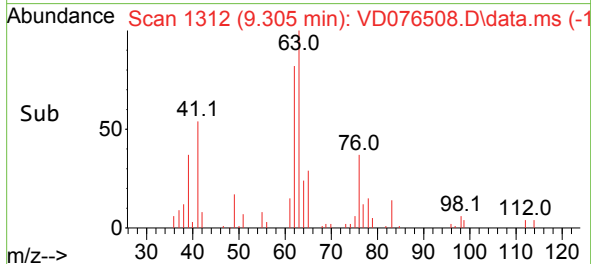
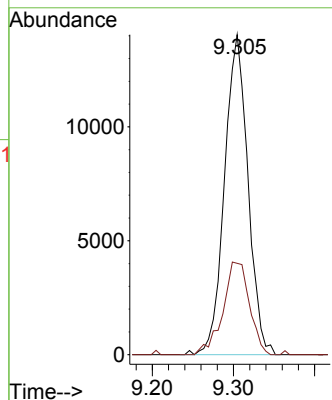
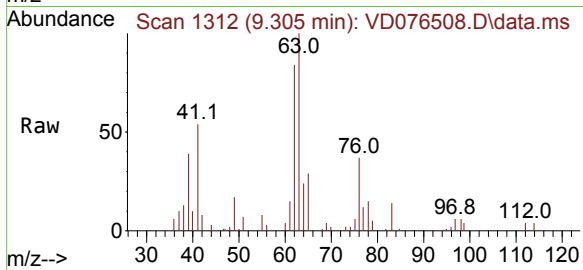
VD0621SBSD01

Tgt Ion: 63 Resp: 28177

Ion Ratio Lower Upper

63 100

65 28.6 24.5 36.7



#46

Dibromomethane

Concen: 20.871 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

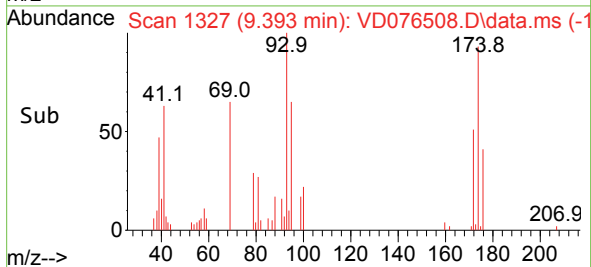
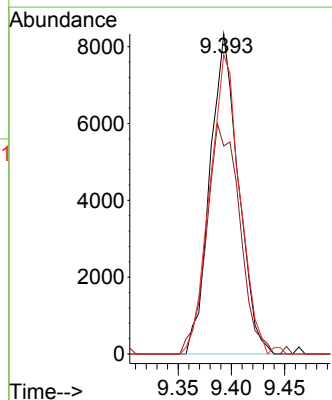
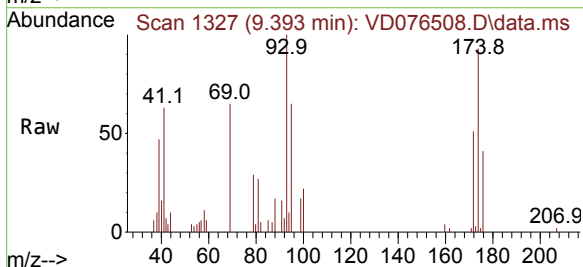
Tgt Ion: 93 Resp: 15519

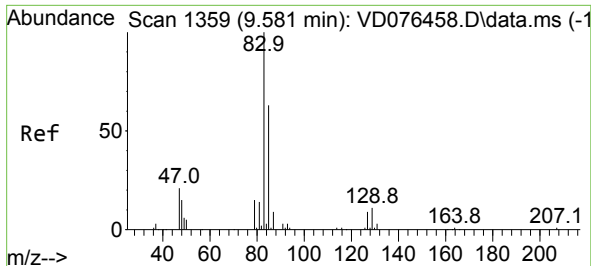
Ion Ratio Lower Upper

93 100

95 82.9 67.7 101.5

174 99.2 85.4 128.2

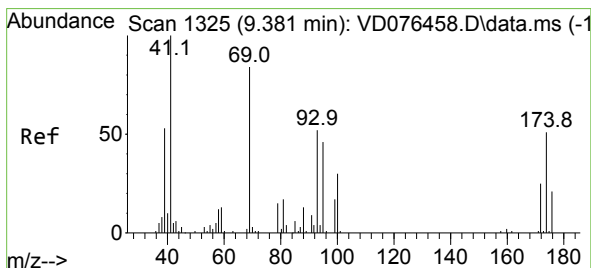
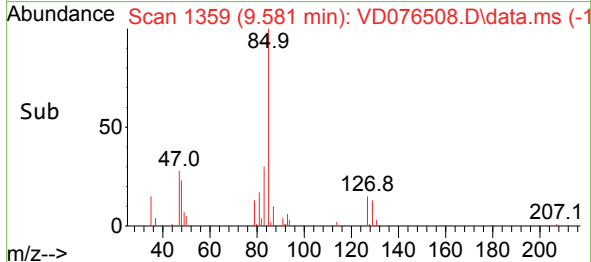
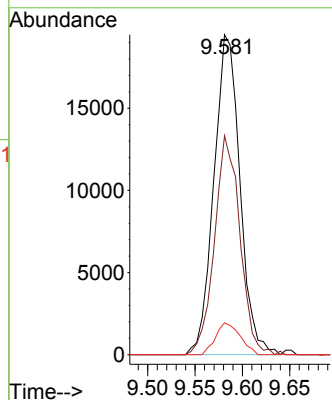
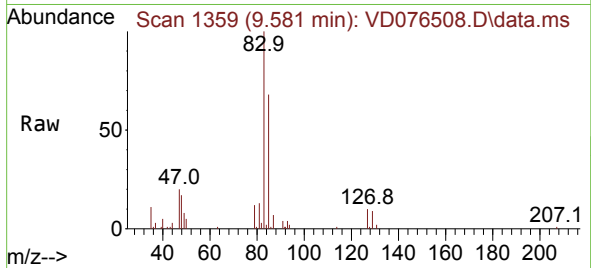




#47  
Bromodichloromethane  
Concen: 20.933 ug/l  
RT: 9.581 min Scan# 1359  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

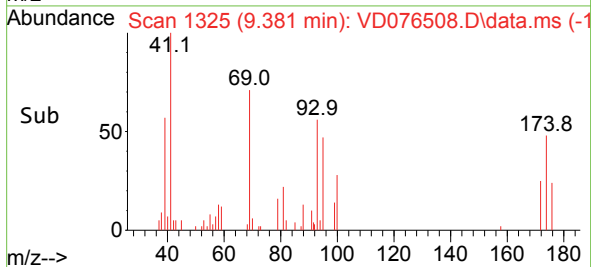
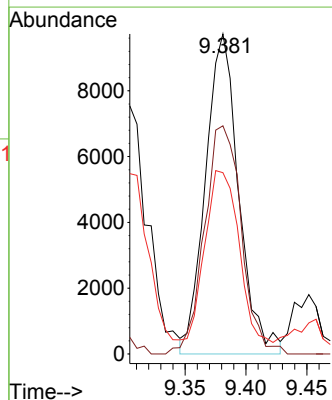
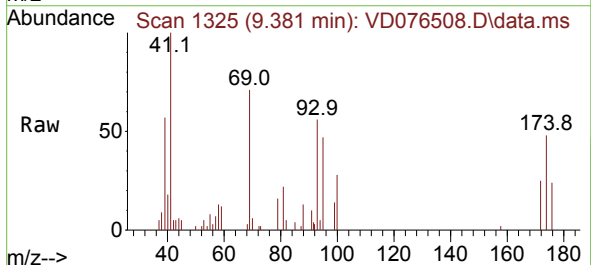
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

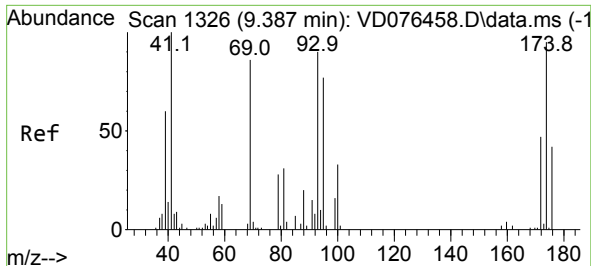
Tgt Ion: 83 Resp: 37248  
Ion Ratio Lower Upper  
83 100  
85 68.4 50.2 75.4  
127 10.0 6.3 9.5#



#48  
Methyl methacrylate  
Concen: 21.887 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 41 Resp: 18475  
Ion Ratio Lower Upper  
41 100  
69 79.1 102.2 153.2#  
39 62.6 41.4 62.2#





#49

1,4-Dioxane

Concen: 435.846 ug/l

RT: 9.387 min Scan# 1326

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

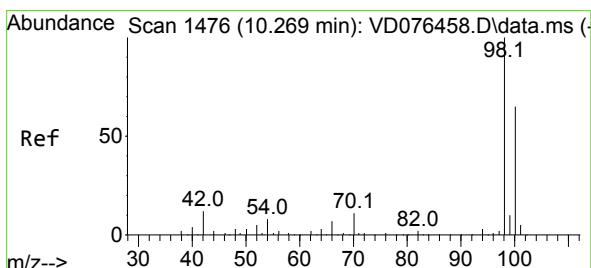
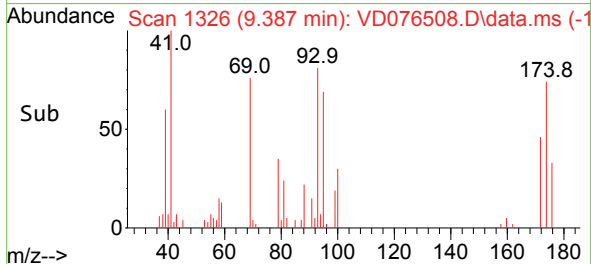
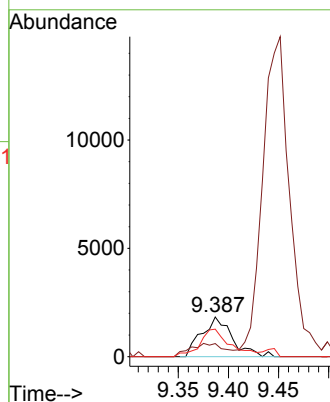
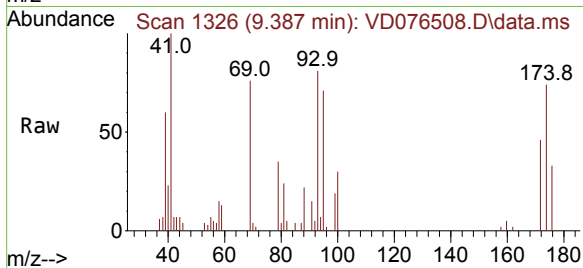
Tgt Ion: 88 Resp: 3883

Ion Ratio Lower Upper

88 100

43 37.5 19.0 28.6#

58 68.0 43.5 65.3#



#50

Toluene-d8

Concen: 45.398 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076508.D

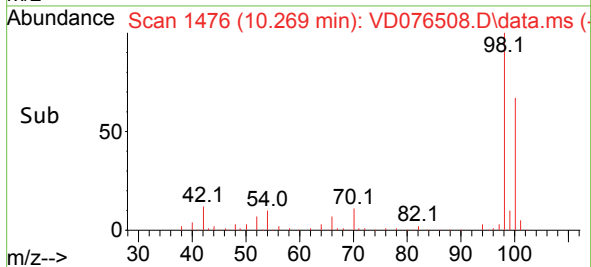
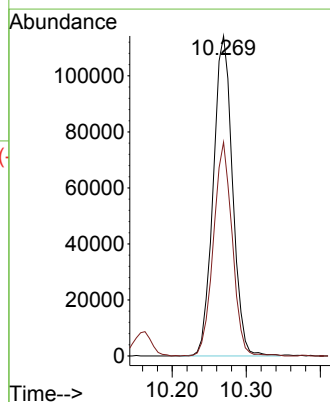
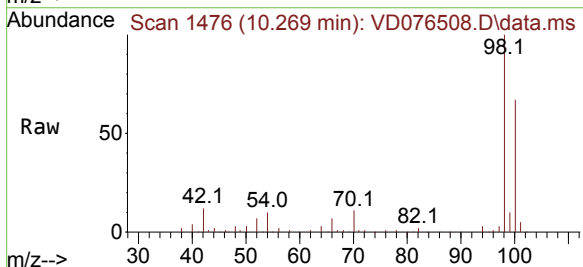
Acq: 21 Jun 2023 12:53

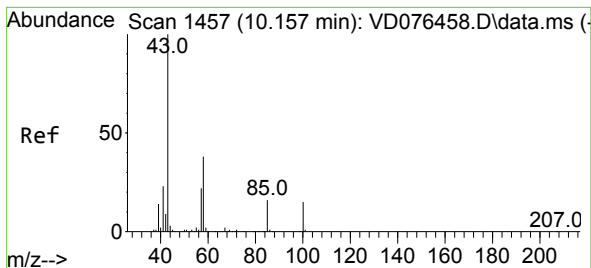
Tgt Ion: 98 Resp: 206395

Ion Ratio Lower Upper

98 100

100 65.0 50.3 75.5

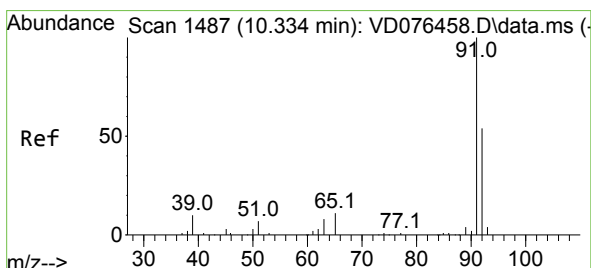
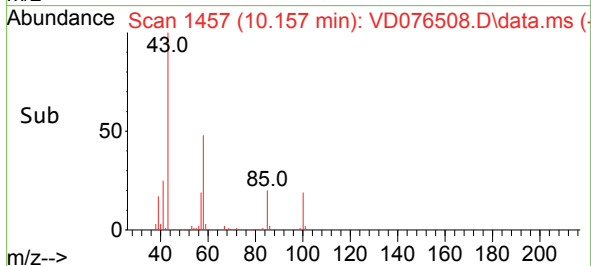
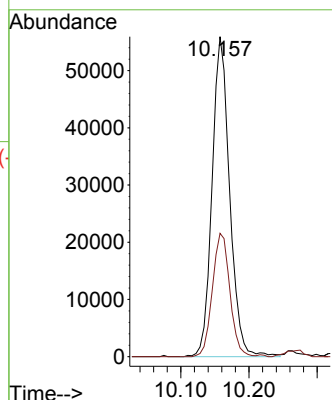
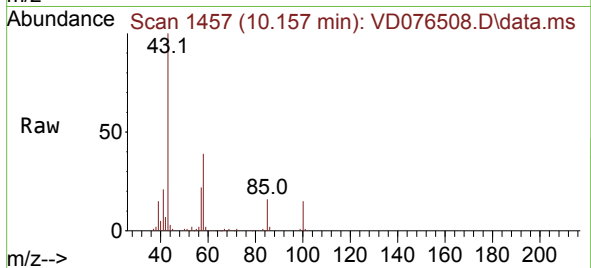




#51  
4-Methyl-2-Pentanone  
Concen: 106.703 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

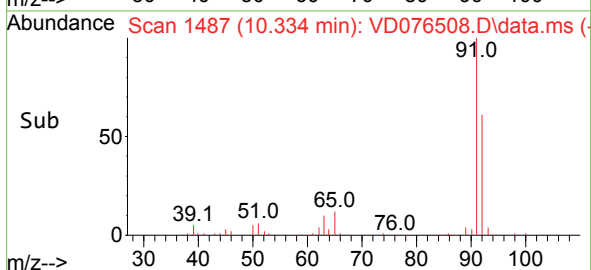
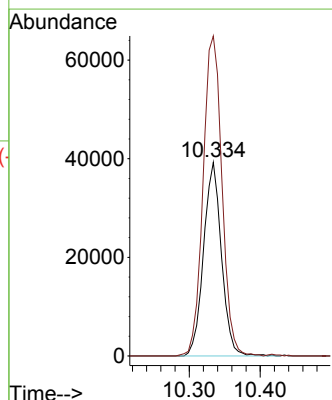
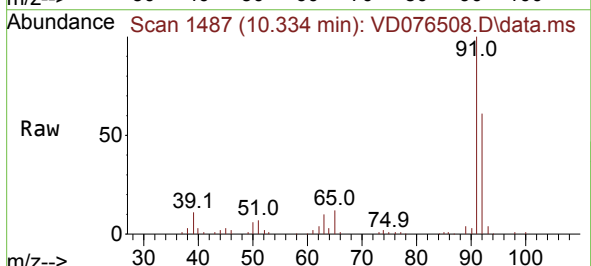
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MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

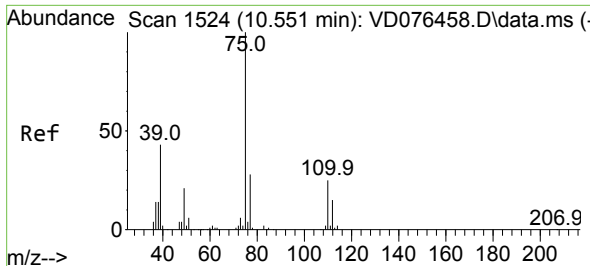
Tgt Ion: 43 Resp: 100452  
Ion Ratio Lower Upper  
43 100  
58 38.3 38.9 58.3#



#52  
Toluene  
Concen: 21.410 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 92 Resp: 68781  
Ion Ratio Lower Upper  
92 100  
91 174.7 143.0 214.4

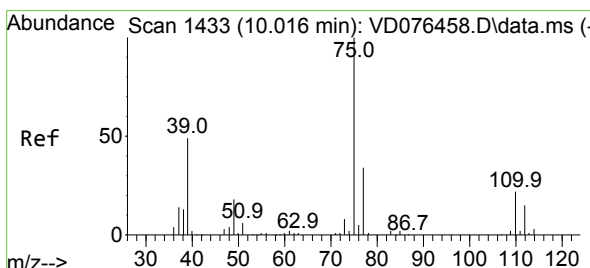
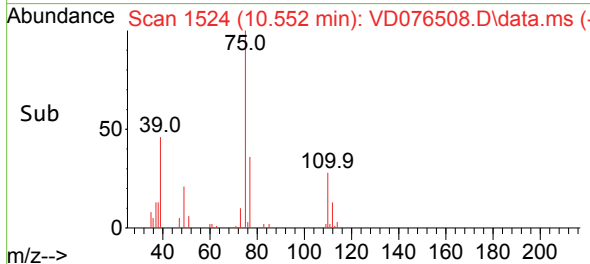
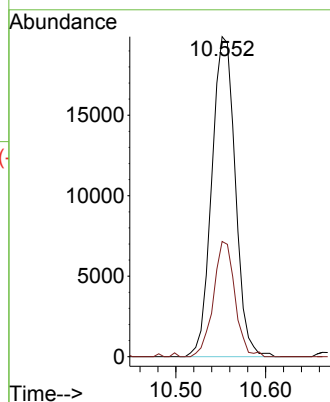
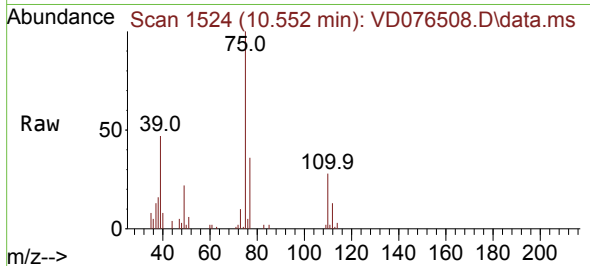




#53  
t-1,3-Dichloropropene  
Concen: 19.988 ug/l  
RT: 10.552 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

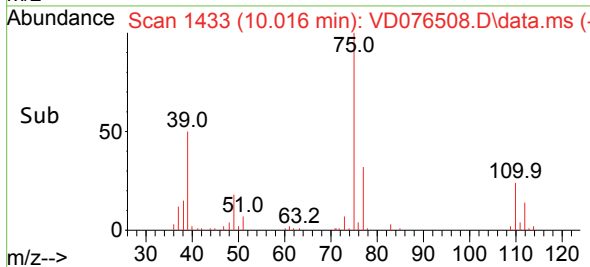
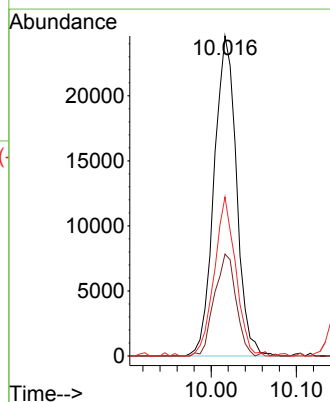
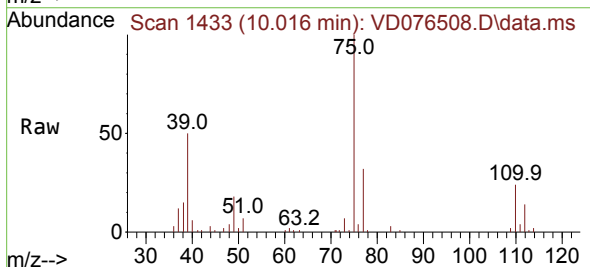
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MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

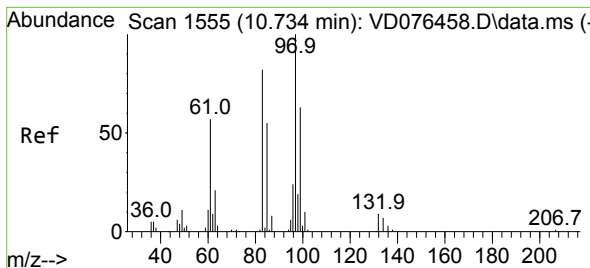
Tgt Ion: 75 Resp: 36091  
Ion Ratio Lower Upper  
75 100  
77 36.0 25.3 37.9



#54  
cis-1,3-Dichloropropene  
Concen: 20.961 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 75 Resp: 44872  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.5 38.3  
39 49.7 22.1 33.1#

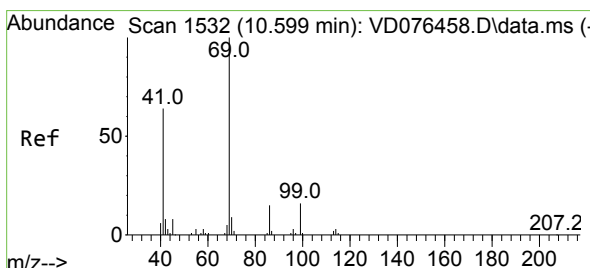
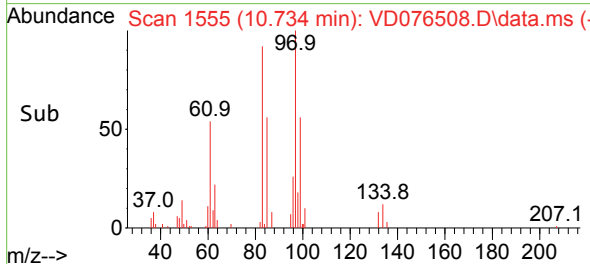
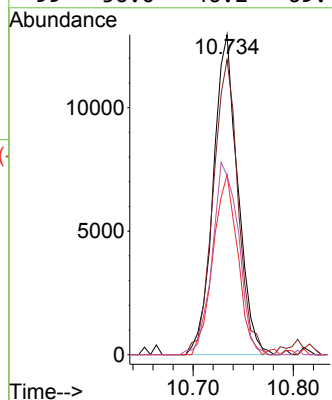
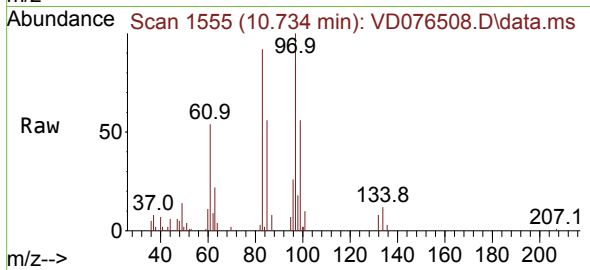




#55  
1,1,2-Trichloroethane  
Concen: 21.148 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

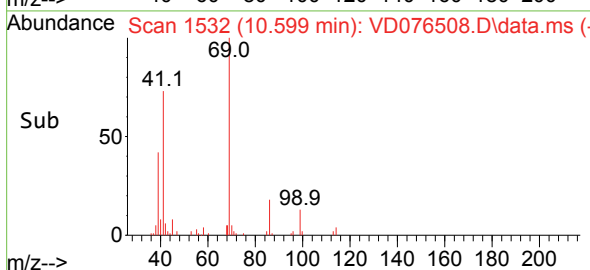
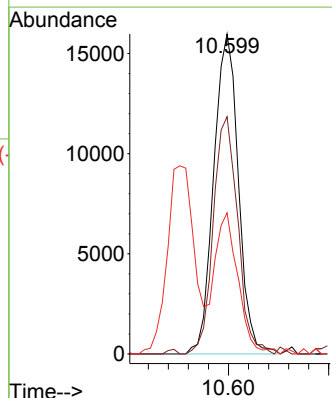
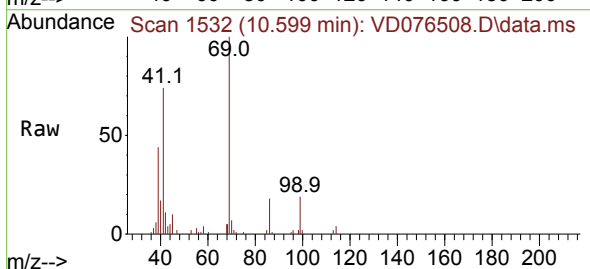
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MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

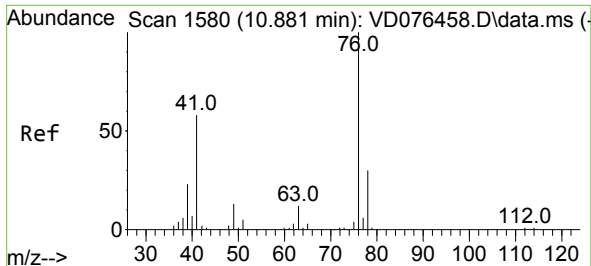
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 21996 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 92.2  | 65.8  | 98.6  |
| 85       | 56.3  | 45.7  | 68.5  |
| 99       | 56.0  | 46.2  | 69.4  |



#56  
Ethyl methacrylate  
Concen: 20.093 ug/l  
RT: 10.599 min Scan# 1532  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 27288 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 73.4  | 39.1  | 58.7# |
| 39       | 42.7  | 20.0  | 30.0# |





#57

1,3-Dichloropropane

Concen: 20.712 ug/l

RT: 10.875 min Scan# 1579

Delta R.T. -0.006 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

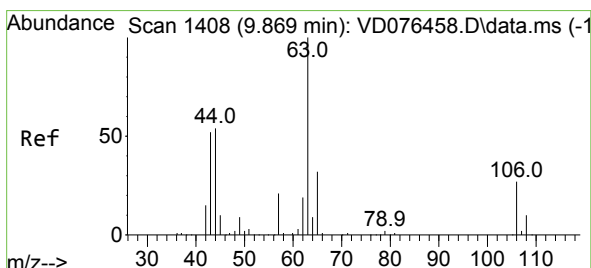
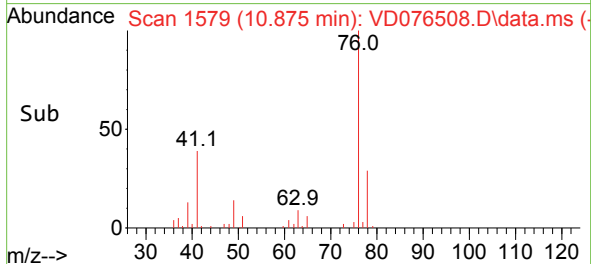
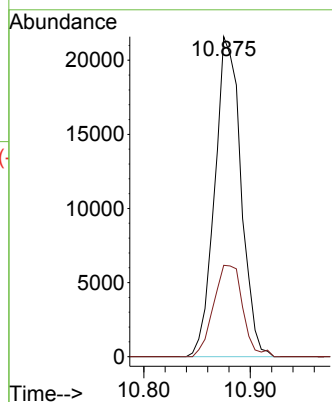
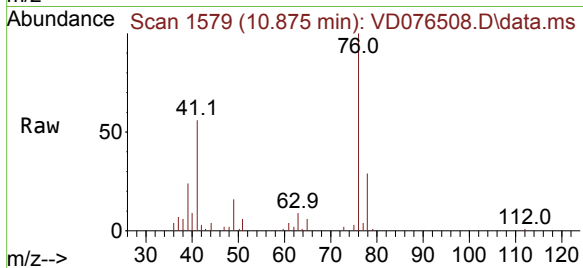
VD0621SBSD01

Tgt Ion: 76 Resp: 36884

Ion Ratio Lower Upper

76 100

78 31.8 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 104.695 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076508.D

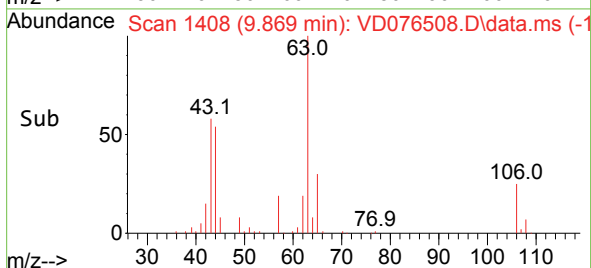
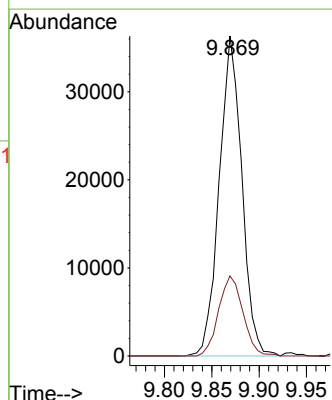
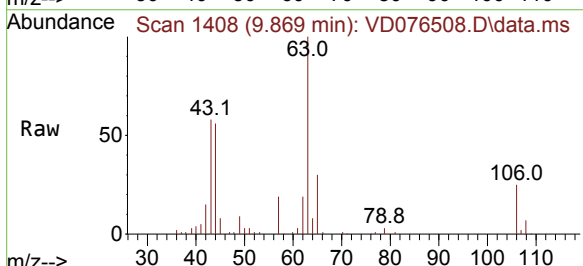
Acq: 21 Jun 2023 12:53

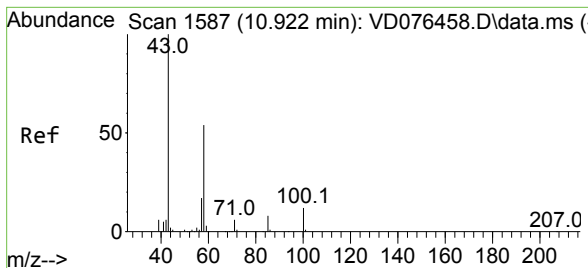
Tgt Ion: 63 Resp: 60280

Ion Ratio Lower Upper

63 100

106 26.9 25.3 37.9

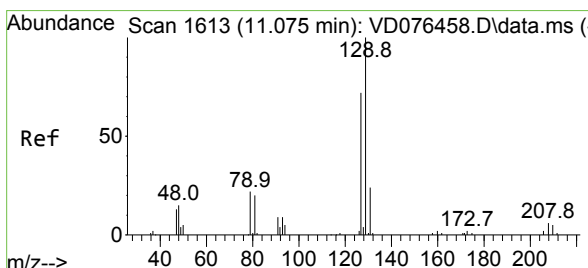
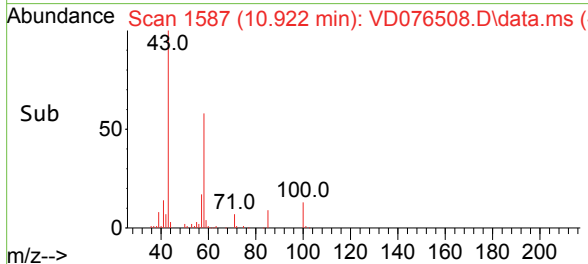
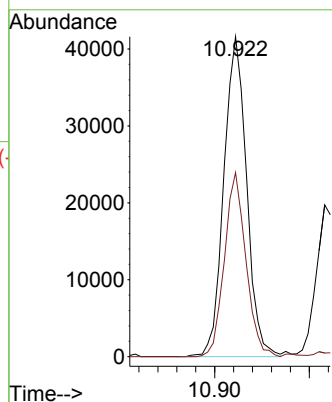
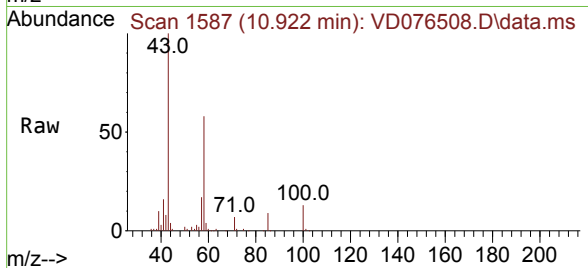




#59  
2-Hexanone  
Concen: 105.885 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

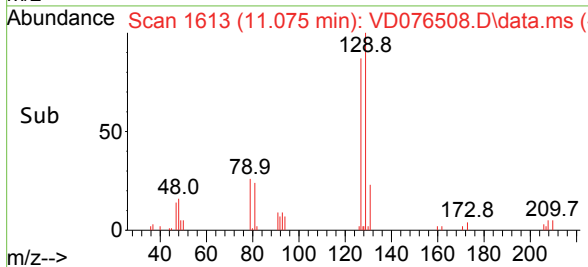
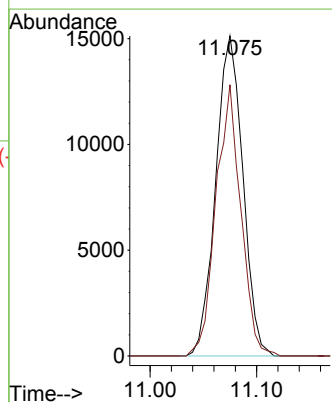
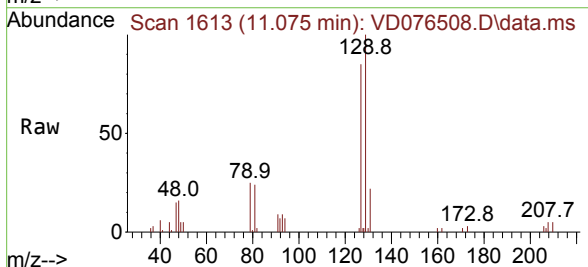
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

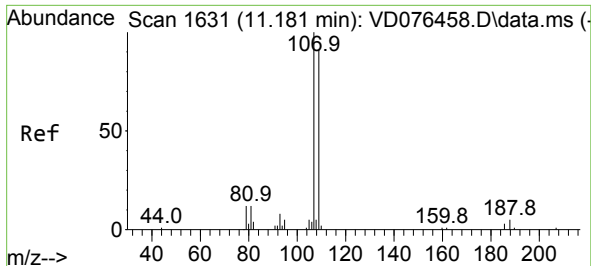
Tgt Ion: 43 Resp: 69339  
Ion Ratio Lower Upper  
43 100  
58 54.3 34.1 102.2



#60  
Dibromochloromethane  
Concen: 22.112 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 129 Resp: 26765  
Ion Ratio Lower Upper  
129 100  
127 77.9 37.1 111.5

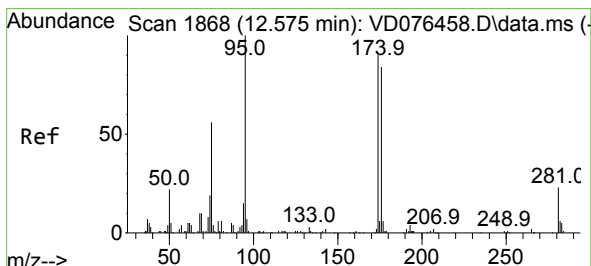
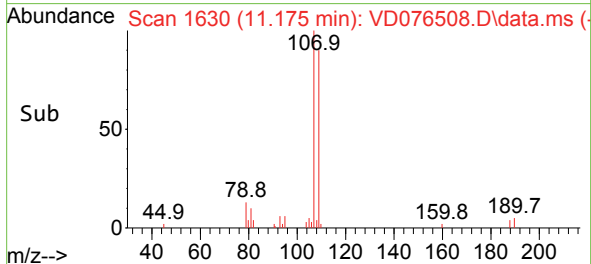
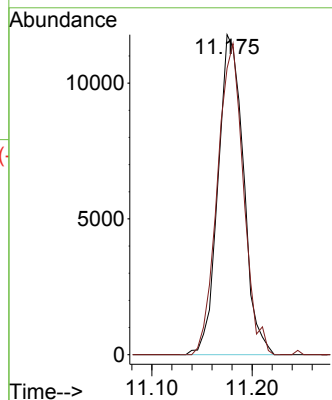
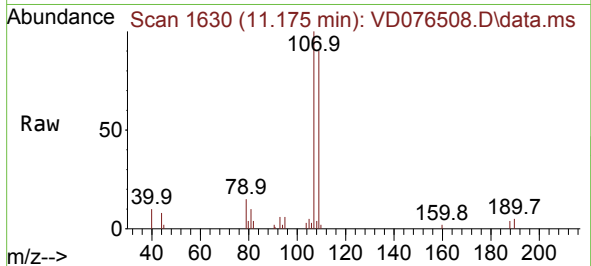




#61  
1,2-Dibromoethane  
Concen: 21.237 ug/l  
RT: 11.175 min Scan# 1630  
Delta R.T. -0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

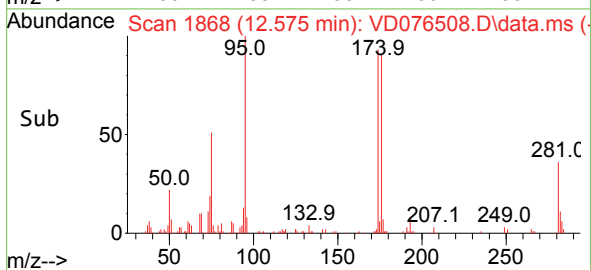
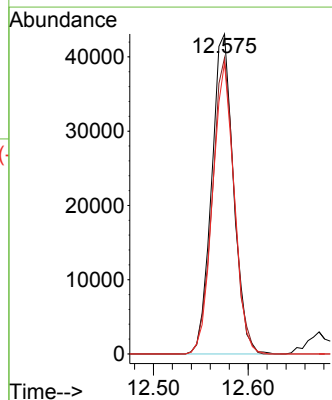
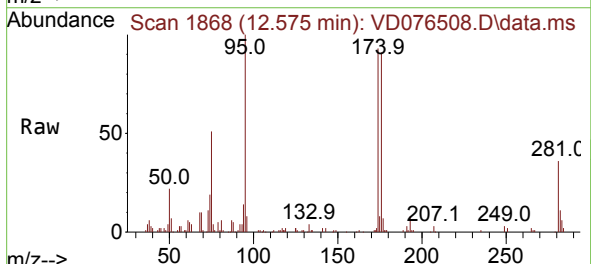
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

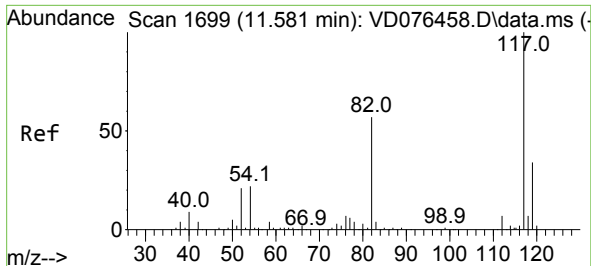
Tgt Ion:107 Resp: 20736  
Ion Ratio Lower Upper  
107 100  
109 99.5 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 46.820 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 95 Resp: 69082  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 201.8  
176 89.4 0.0 191.8

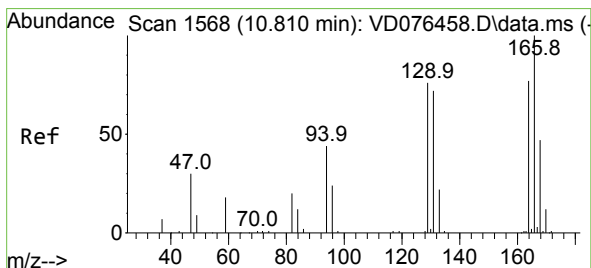
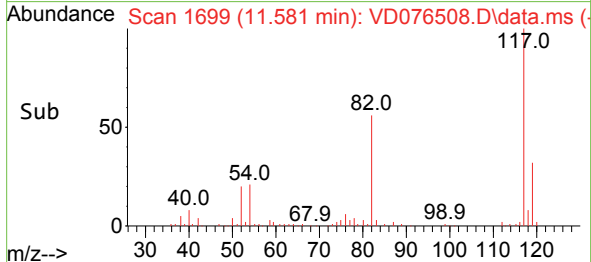
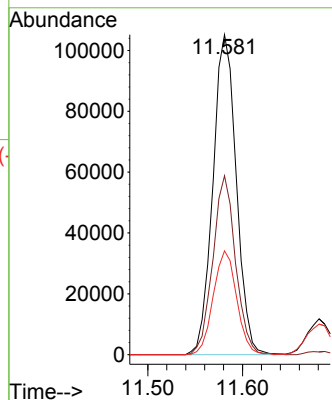
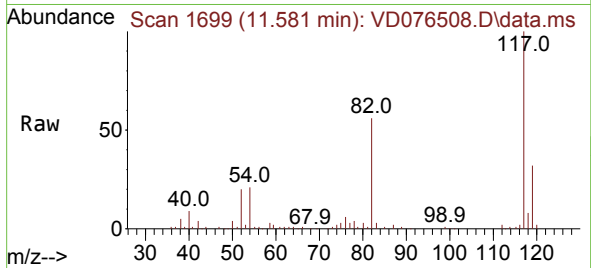




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

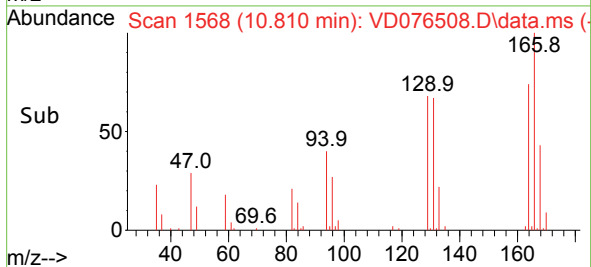
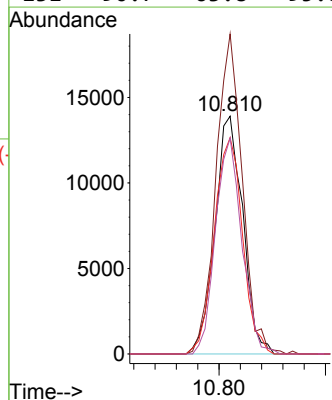
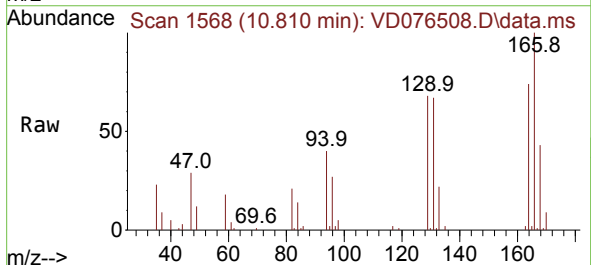
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

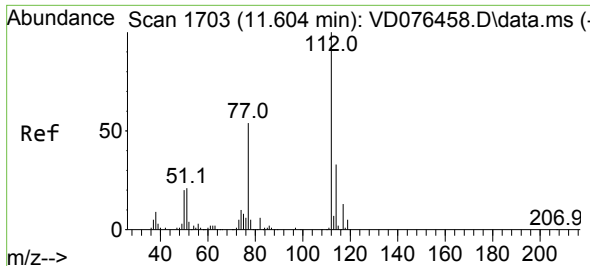
Tgt Ion:117 Resp: 180483  
Ion Ratio Lower Upper  
117 100  
82 55.9 38.3 57.5  
119 32.5 25.0 37.4



#64  
Tetrachloroethene  
Concen: 23.191 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion:164 Resp: 25124  
Ion Ratio Lower Upper  
164 100  
166 134.5 99.2 148.8  
129 91.0 68.4 102.6  
131 90.7 63.8 95.8

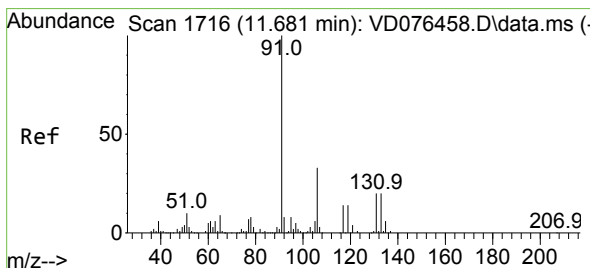
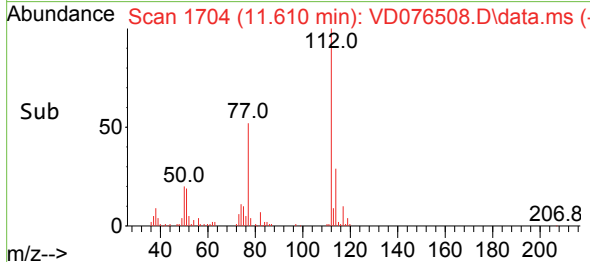
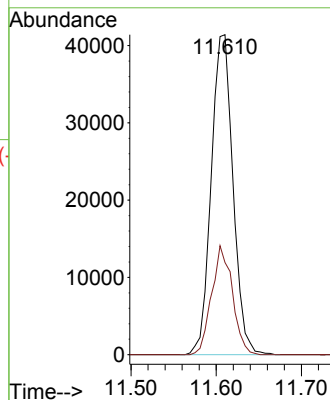
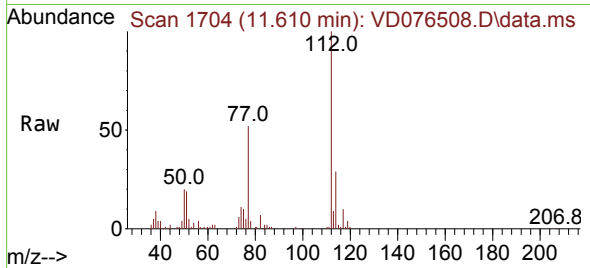




#65  
Chlorobenzene  
Concen: 21.400 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

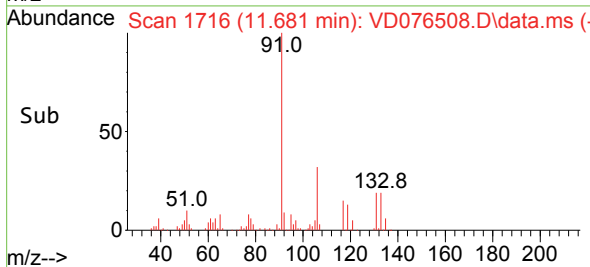
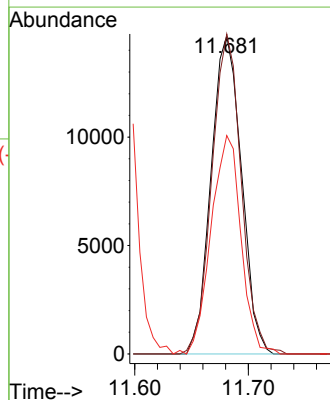
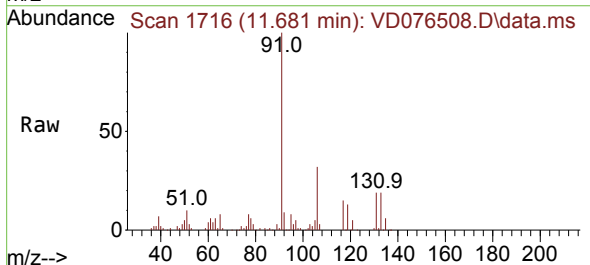
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

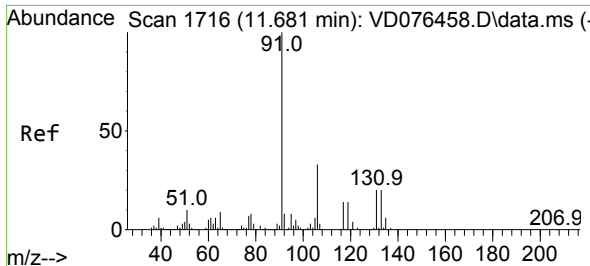
Tgt Ion:112 Resp: 73378  
Ion Ratio Lower Upper  
112 100  
114 28.8 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 22.201 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion:131 Resp: 27224  
Ion Ratio Lower Upper  
131 100  
133 97.3 48.5 145.5  
119 67.5 35.6 106.9

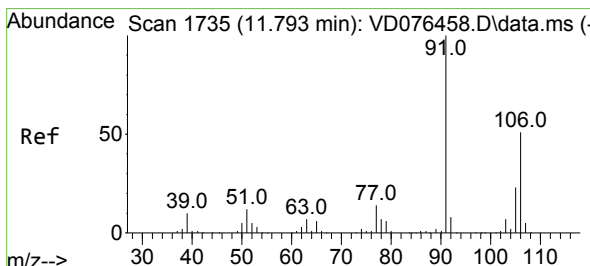
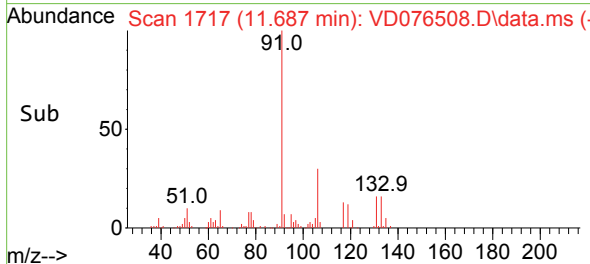
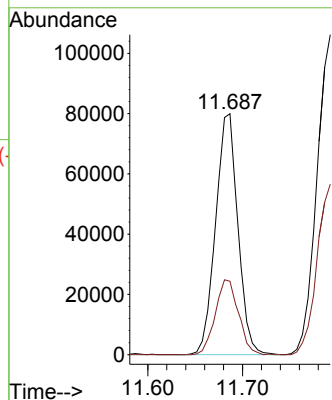
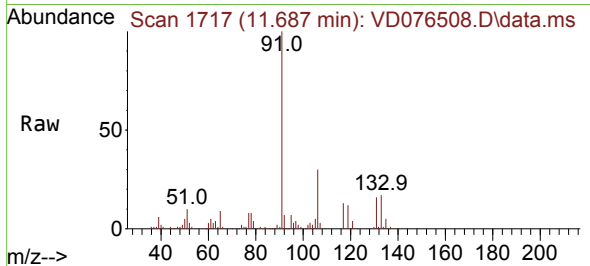




#67  
Ethyl Benzene  
Concen: 21.560 ug/l  
RT: 11.687 min Scan# 1716  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

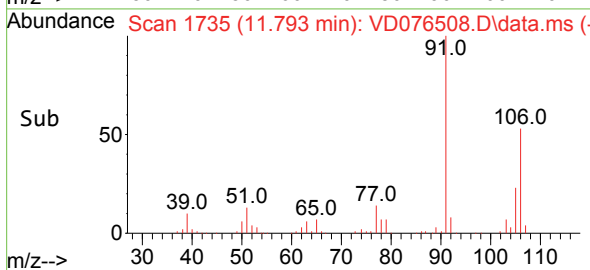
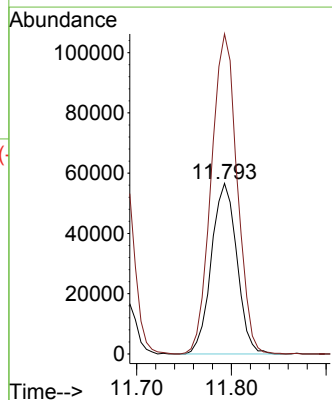
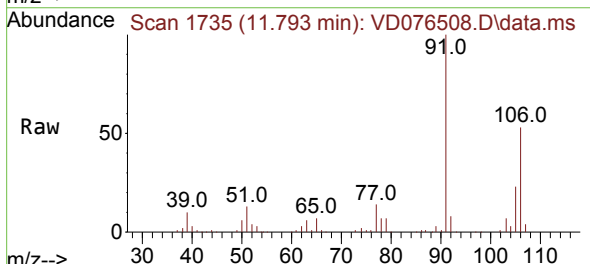
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

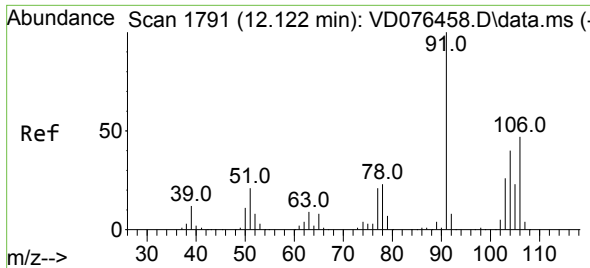
Tgt Ion: 91 Resp: 130989  
Ion Ratio Lower Upper  
91 100  
106 30.5 26.5 39.7



#68  
m/p-Xylenes  
Concen: 44.555 ug/l  
RT: 11.793 min Scan# 1735  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion:106 Resp: 105670  
Ion Ratio Lower Upper  
106 100  
91 190.6 147.0 220.6

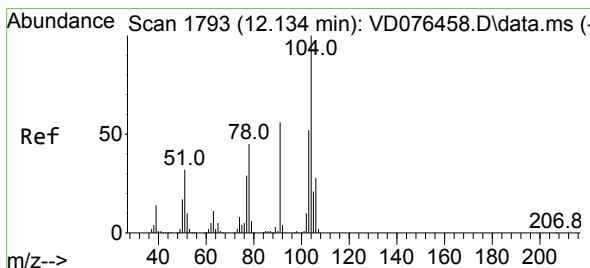
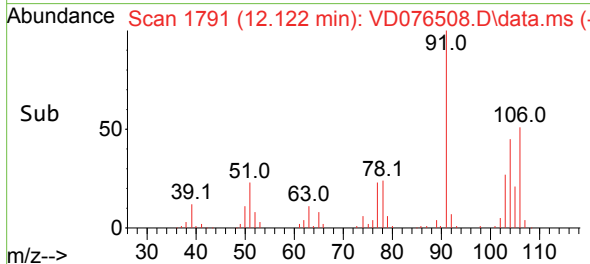
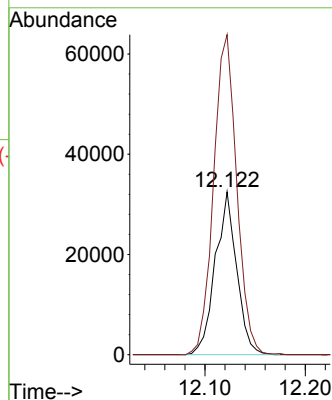
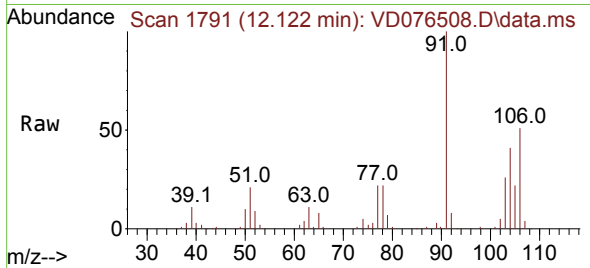




#69  
o-Xylene  
Concen: 21.334 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

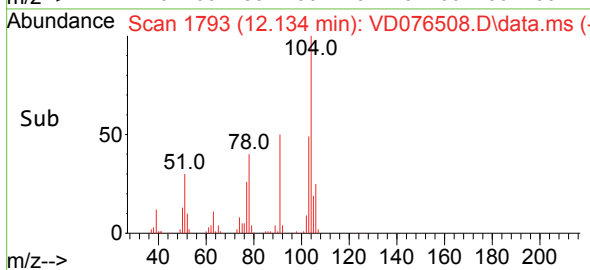
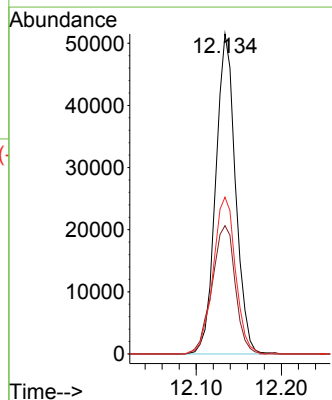
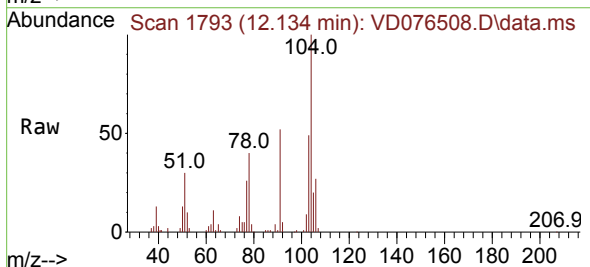
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

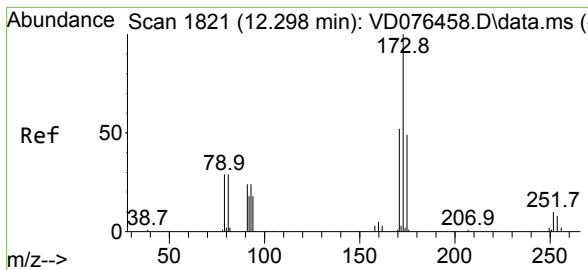
Tgt Ion:106 Resp: 48165  
Ion Ratio Lower Upper  
106 100  
91 212.3 97.9 293.6



#70  
Styrene  
Concen: 21.345 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion:104 Resp: 83242  
Ion Ratio Lower Upper  
104 100  
78 47.1 33.2 49.8  
103 55.3 43.6 65.4

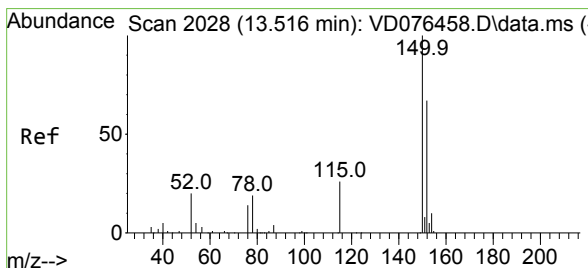
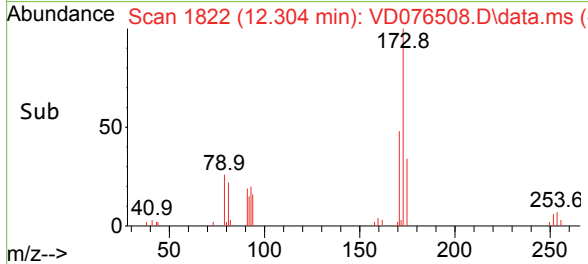
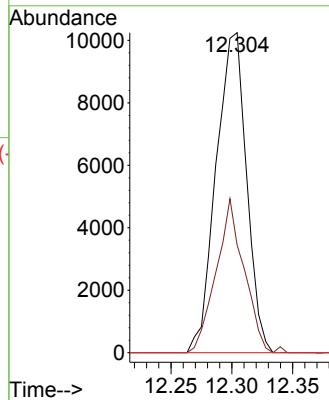
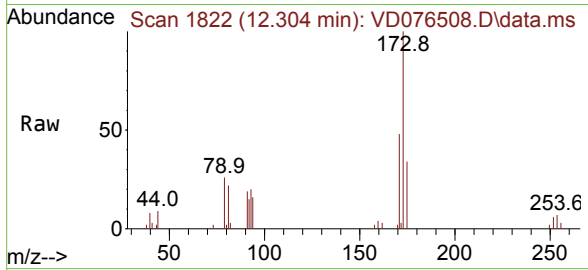




#71  
Bromoform  
Concen: 24.210 ug/l  
RT: 12.304 min Scan# 1822  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

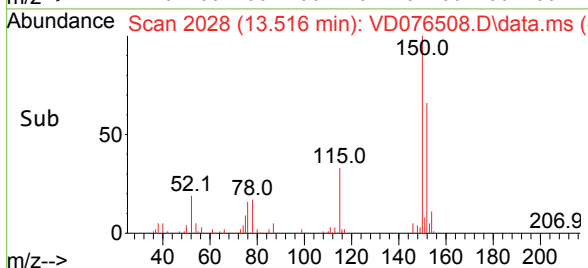
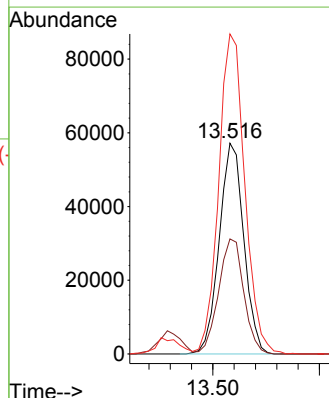
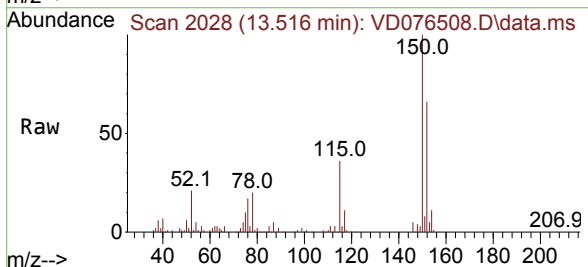
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

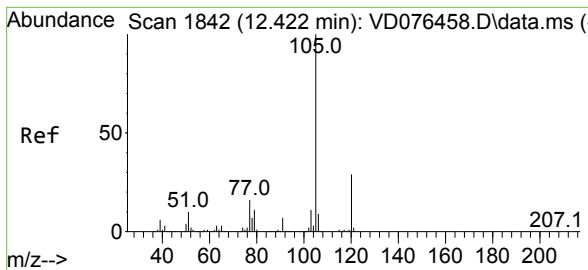
Tgt Ion:173 Resp: 17825  
Ion Ratio Lower Upper  
173 100  
175 44.0 24.6 73.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion:152 Resp: 91443  
Ion Ratio Lower Upper  
152 100  
115 56.0 27.1 81.3  
150 161.3 0.0 353.6





#73

Isopropylbenzene

Concen: 21.001 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

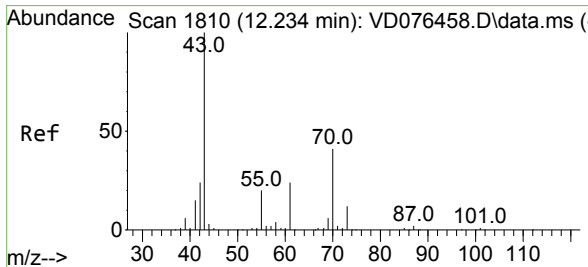
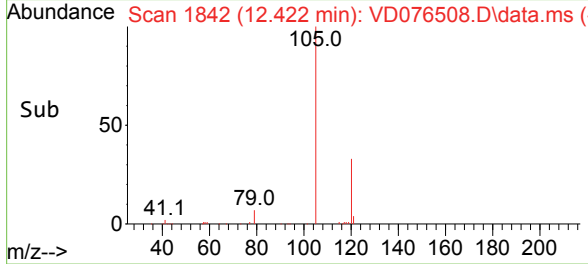
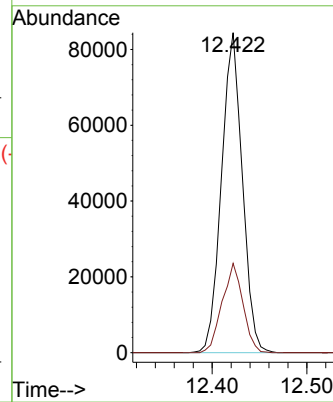
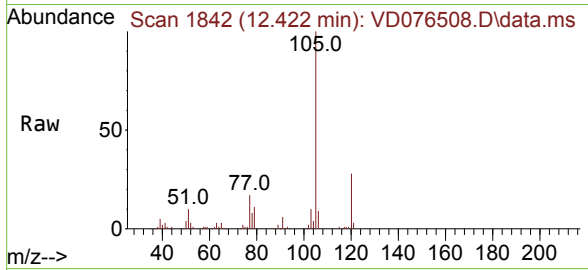
VD0621SBSD01

Tgt Ion:105 Resp: 129293

Ion Ratio Lower Upper

105 100

120 27.8 14.3 42.9



#74

N-ethyl acetate

Concen: 18.638 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Tgt Ion: 43 Resp: 33593

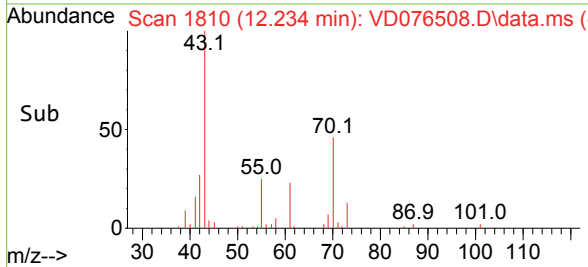
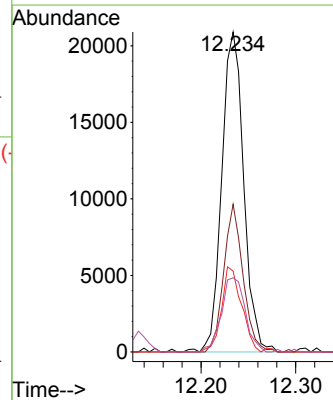
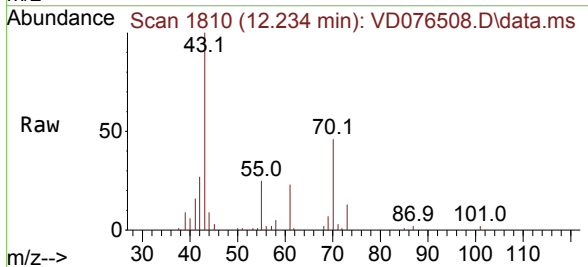
Ion Ratio Lower Upper

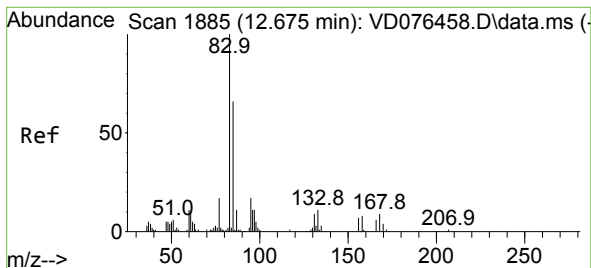
43 100

70 40.7 45.0 67.4

55 24.2 23.8 35.6

61 25.4 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 21.924 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

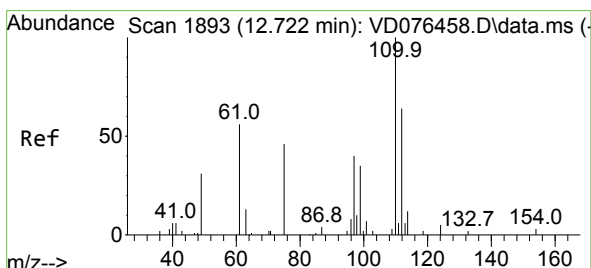
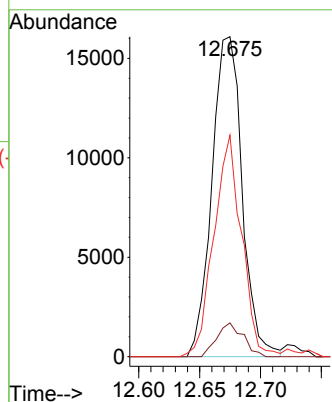
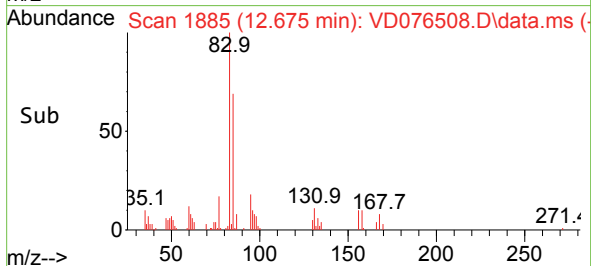
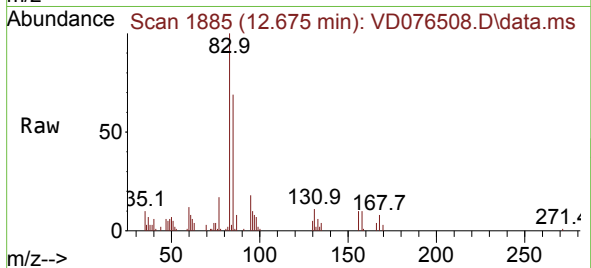
Tgt Ion: 83 Resp: 27853

Ion Ratio Lower Upper

83 100

131 9.1 5.1 15.3

85 63.4 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 36.778 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VD076508.D

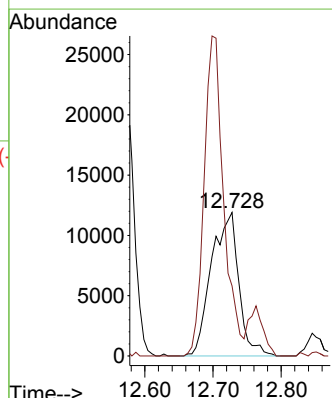
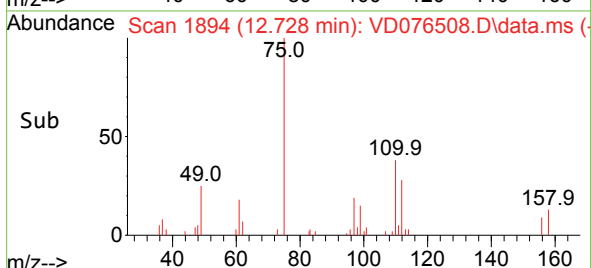
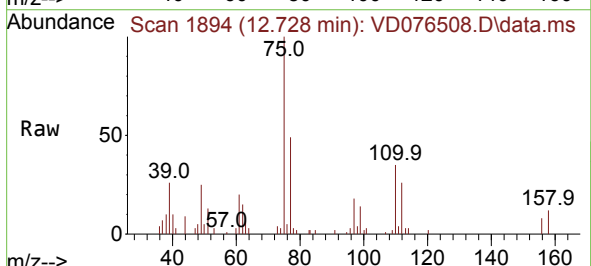
Acq: 21 Jun 2023 12:53

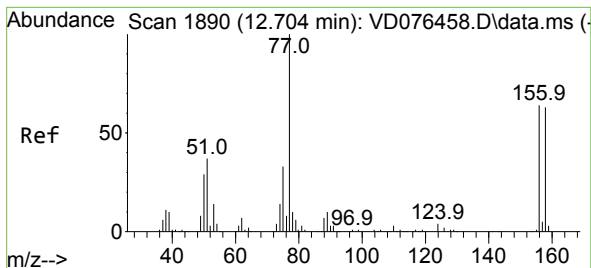
Tgt Ion: 75 Resp: 33378

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.413 ug/l

RT: 12.704 min Scan# 1890

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

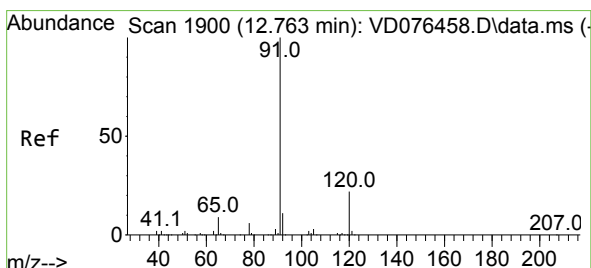
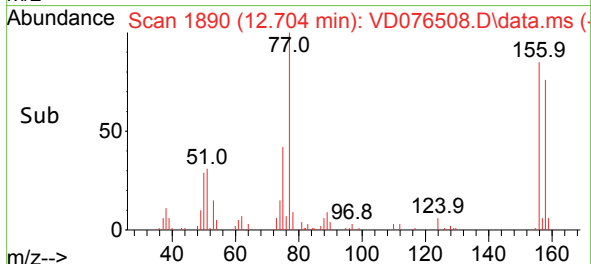
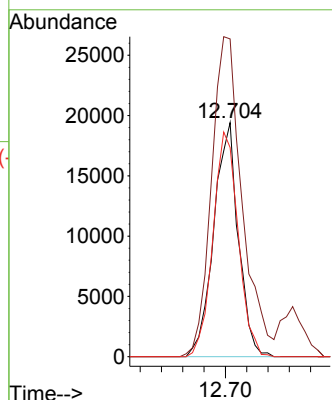
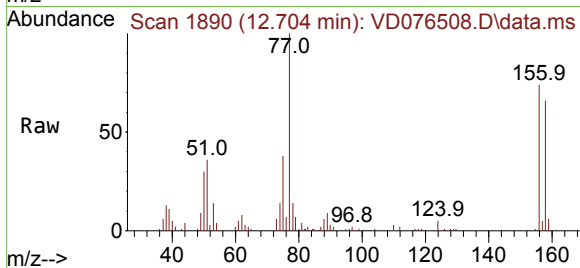
Tgt Ion:156 Resp: 31006

Ion Ratio Lower Upper

156 100

77 171.1 76.8 230.4

158 99.1 48.6 145.9



#78

n-propylbenzene

Concen: 21.200 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VD076508.D

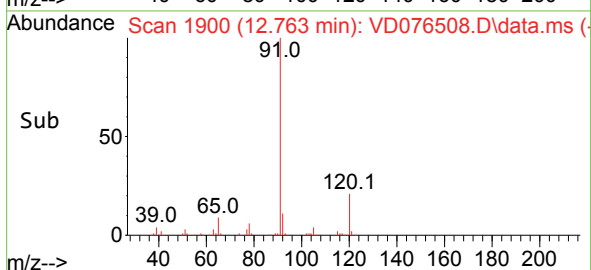
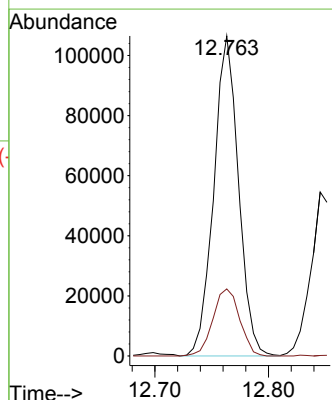
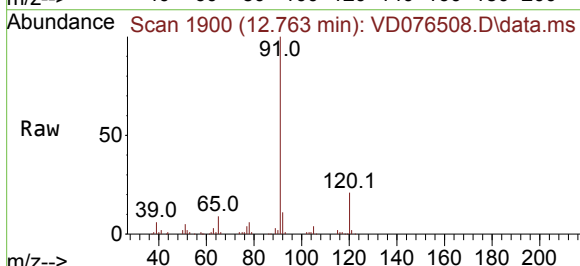
Acq: 21 Jun 2023 12:53

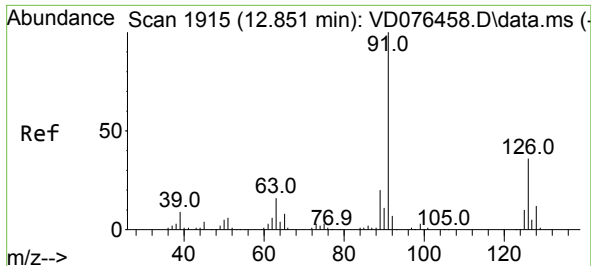
Tgt Ion: 91 Resp: 161161

Ion Ratio Lower Upper

91 100

120 22.6 12.4 37.2

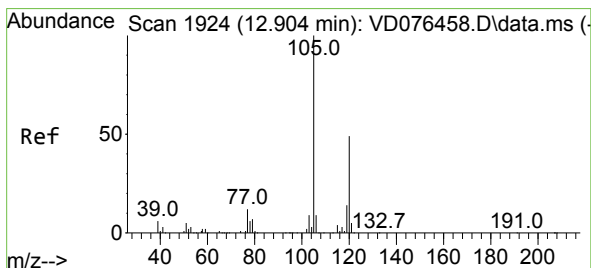
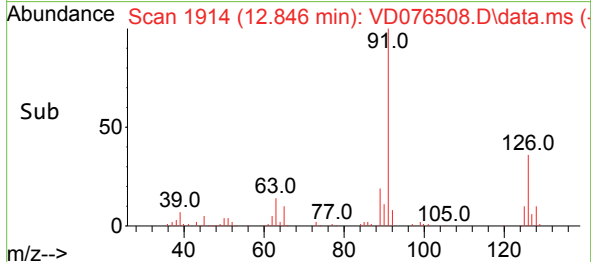
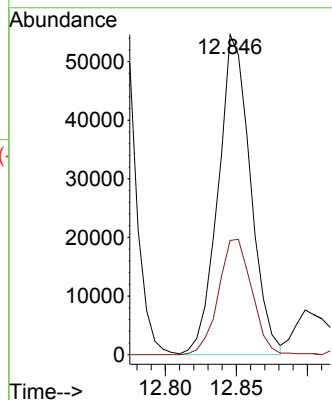
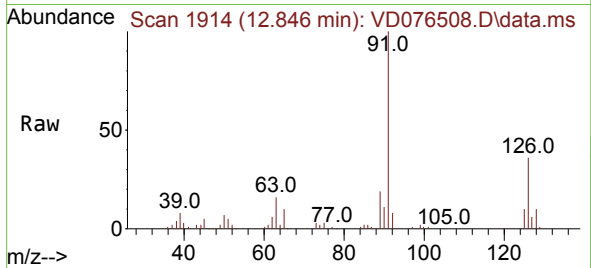




#79  
2-Chlorotoluene  
Concen: 20.668 ug/l  
RT: 12.846 min Scan# 1915  
Delta R.T. -0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

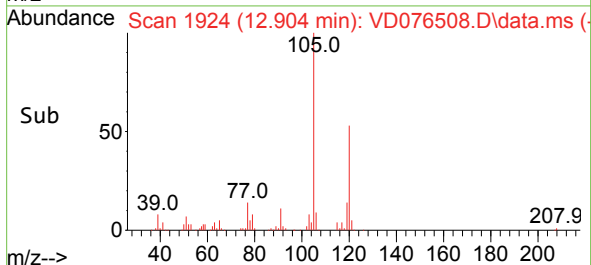
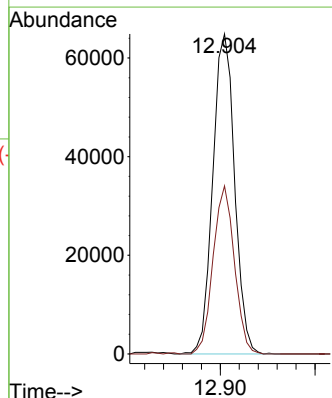
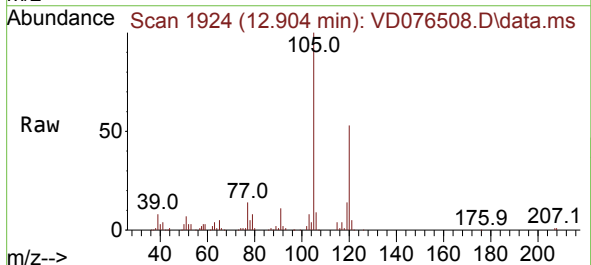
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

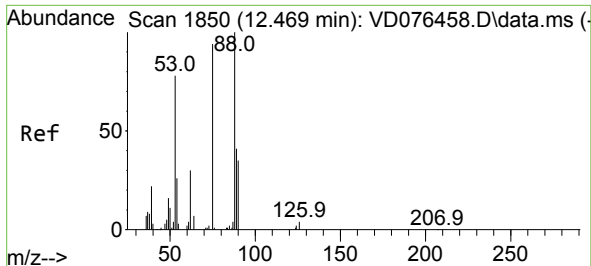
Tgt Ion: 91 Resp: 86277  
Ion Ratio Lower Upper  
91 100  
126 37.5 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 20.632 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 105 Resp: 103734  
Ion Ratio Lower Upper  
105 100  
120 51.3 26.4 79.2

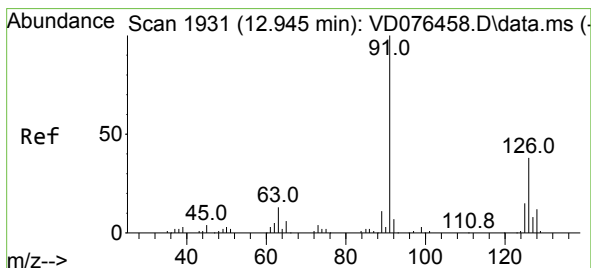
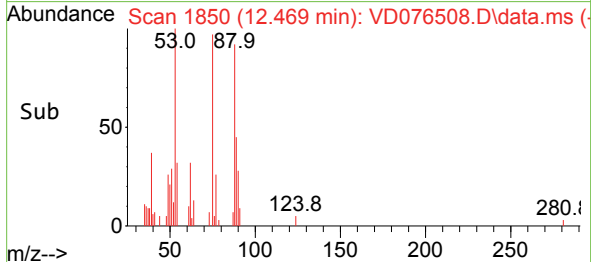
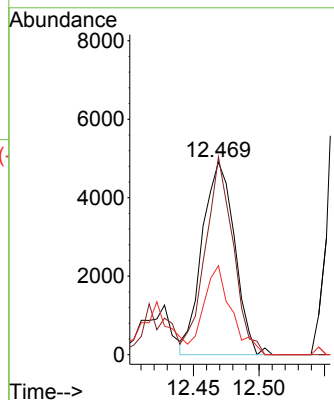
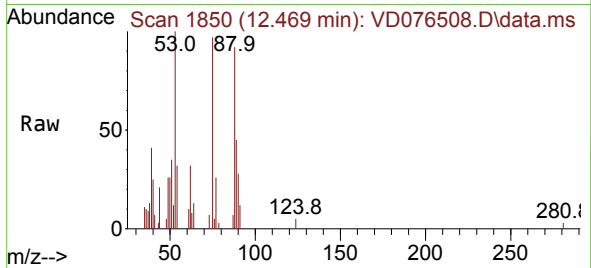




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.397 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

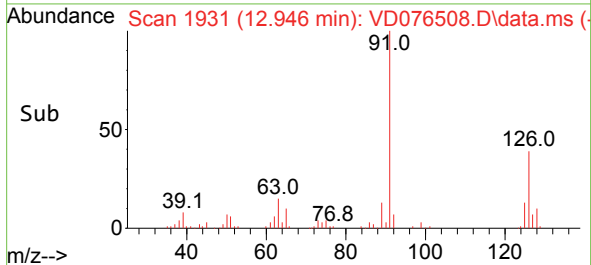
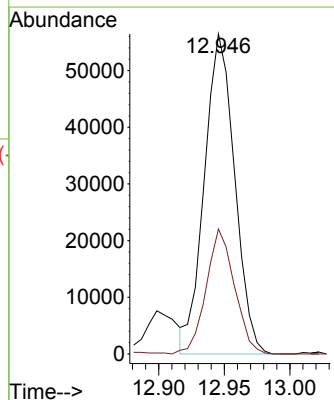
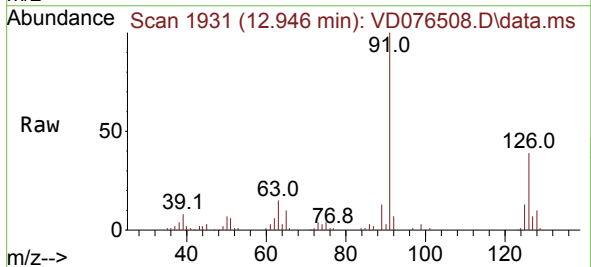
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

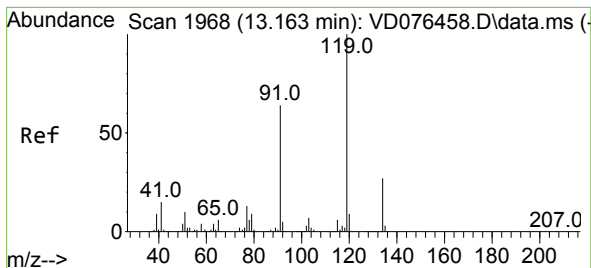
Tgt Ion: 75 Resp: 8448  
Ion Ratio Lower Upper  
75 100  
53 88.4 63.0 94.4  
89 39.2 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 20.914 ug/l  
RT: 12.946 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 91 Resp: 90669  
Ion Ratio Lower Upper  
91 100  
126 36.5 19.4 58.4





#83

tert-Butylbenzene

Concen: 21.349 ug/l

RT: 13.169 min Scan# 1968

Delta R.T. 0.006 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

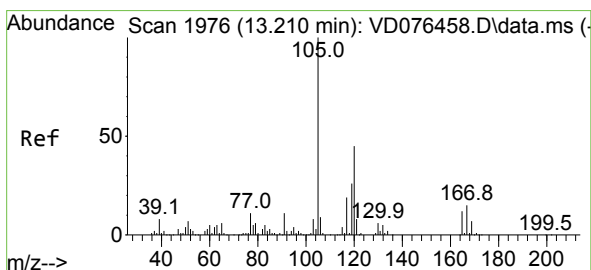
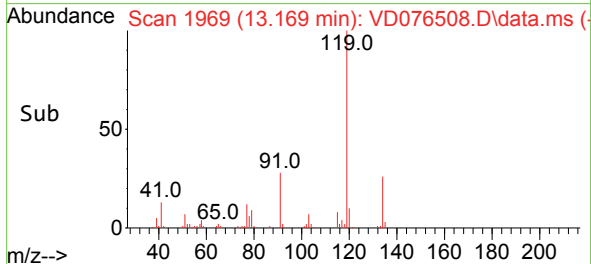
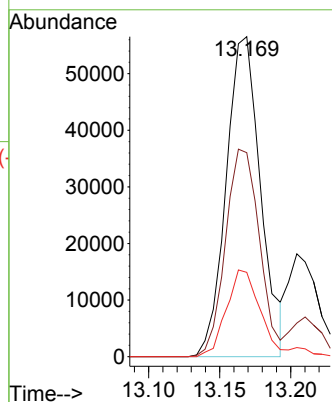
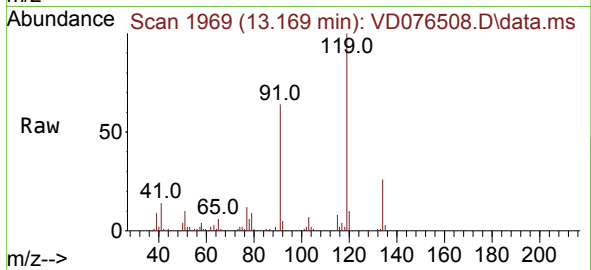
Tgt Ion:119 Resp: 95374

Ion Ratio Lower Upper

119 100

91 63.9 29.3 87.8

134 26.5 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 21.048 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD076508.D

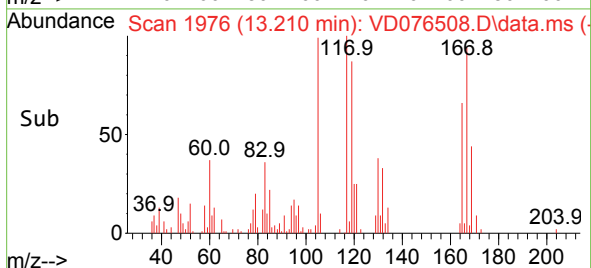
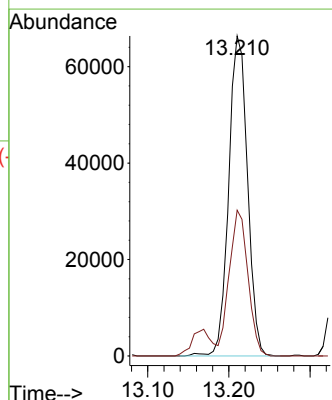
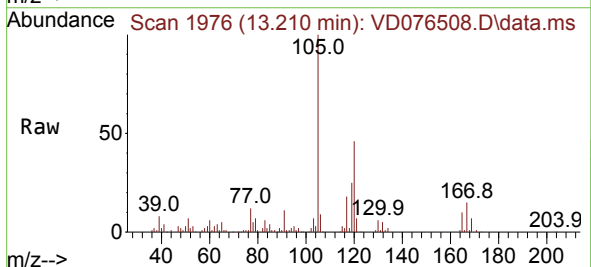
Acq: 21 Jun 2023 12:53

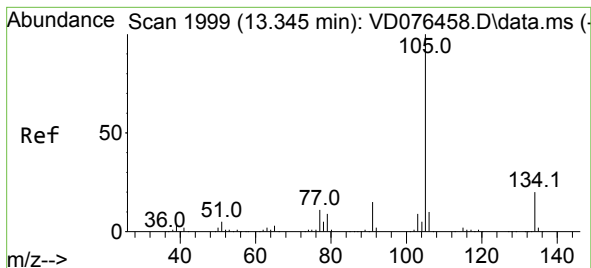
Tgt Ion:105 Resp: 106645

Ion Ratio Lower Upper

105 100

120 45.2 24.3 72.9





#85

sec-Butylbenzene

Concen: 21.661 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

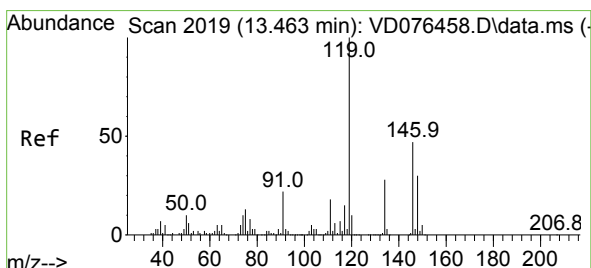
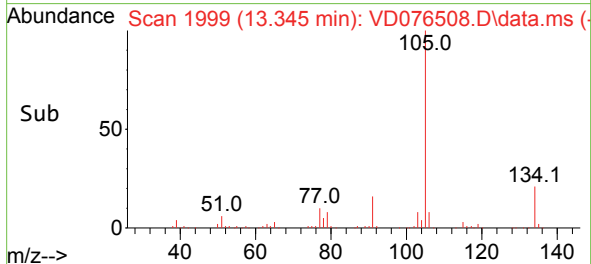
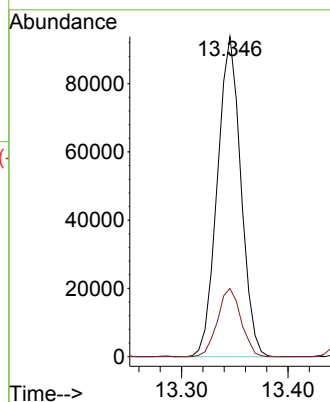
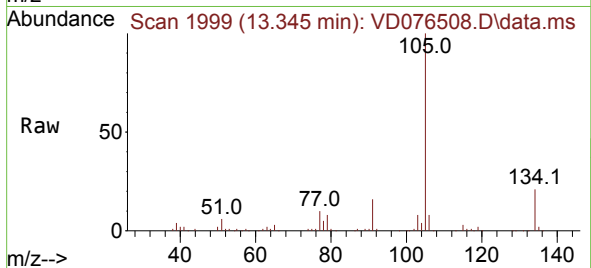
VD0621SBSD01

Tgt Ion:105 Resp: 143605

Ion Ratio Lower Upper

105 100

134 21.3 10.9 32.9



#86

p-Isopropyltoluene

Concen: 21.356 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

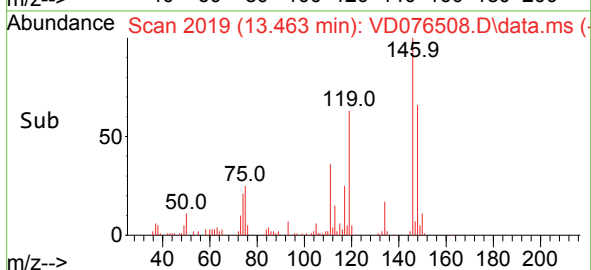
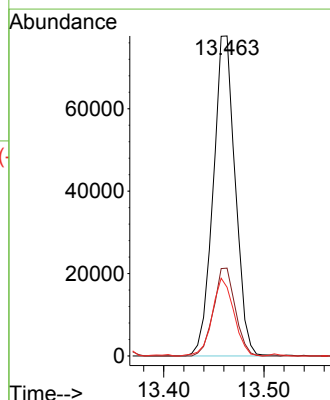
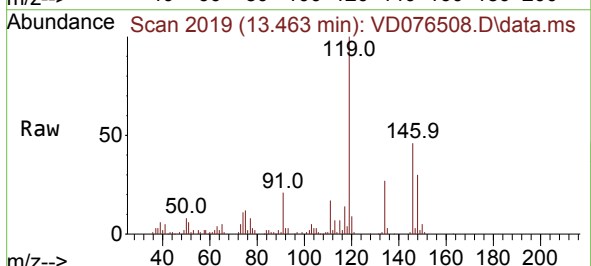
Tgt Ion:119 Resp: 118303

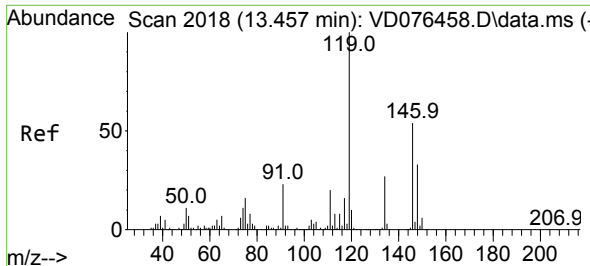
Ion Ratio Lower Upper

119 100

134 27.2 14.2 42.6

91 23.9 10.5 31.5

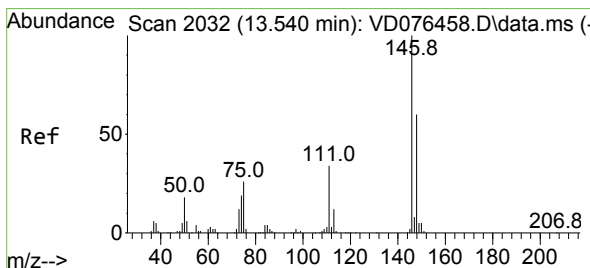
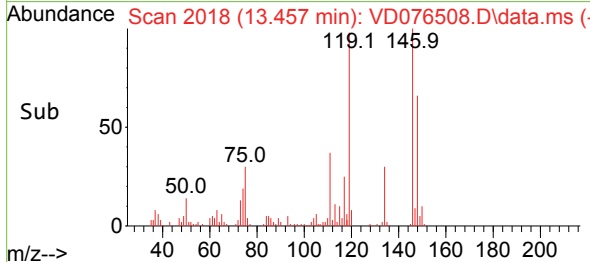
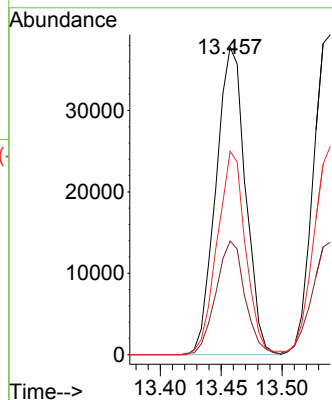
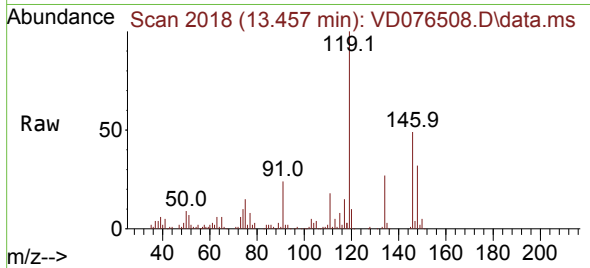




#87  
1,3-Dichlorobenzene  
Concen: 21.365 ug/l  
RT: 13.457 min Scan# 2018  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

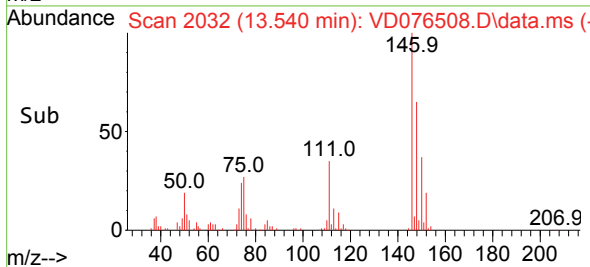
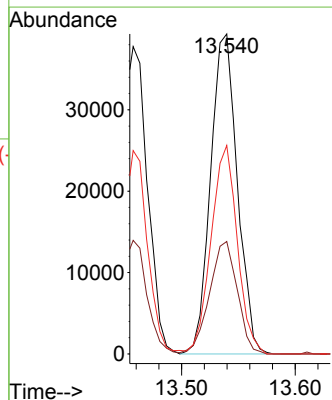
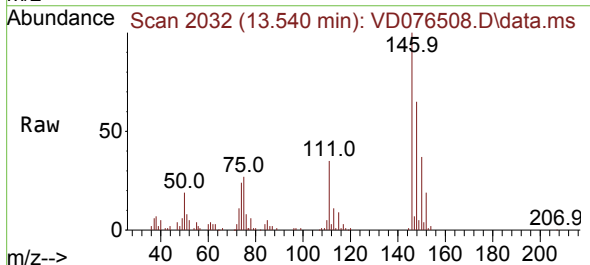
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

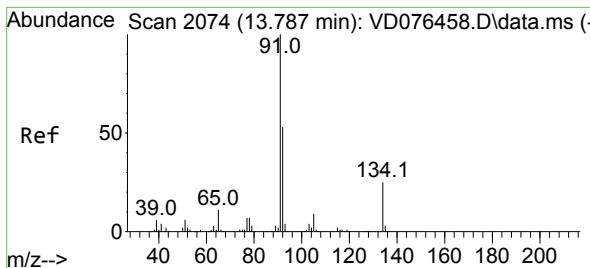
Tgt Ion:146 Resp: 63744  
Ion Ratio Lower Upper  
146 100  
111 36.3 17.9 53.8  
148 63.3 32.3 96.8



#88  
1,4-Dichlorobenzene  
Concen: 21.652 ug/l  
RT: 13.540 min Scan# 2032  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion:146 Resp: 64428  
Ion Ratio Lower Upper  
146 100  
111 36.5 17.4 52.3  
148 63.8 31.7 95.1





#89

n-Butylbenzene

Concen: 21.694 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBS01

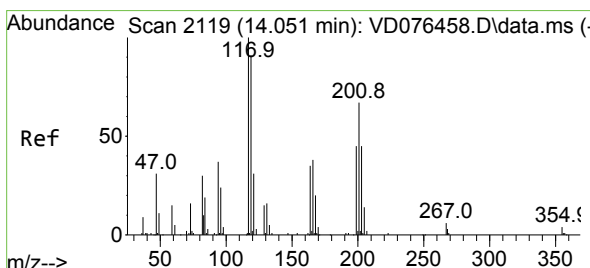
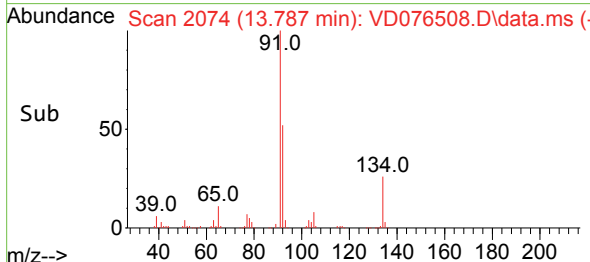
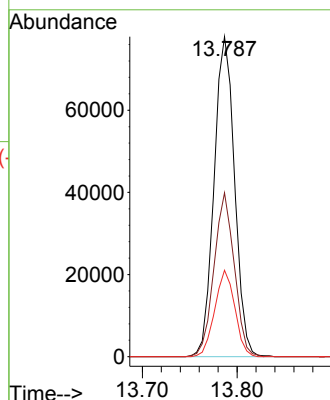
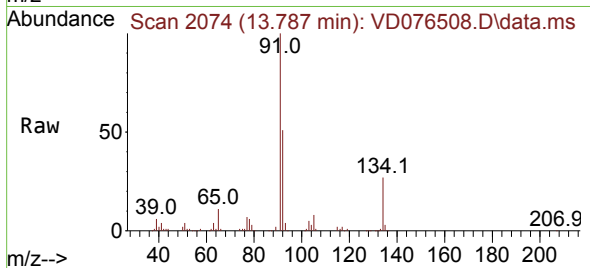
Tgt Ion: 91 Resp: 117216

Ion Ratio Lower Upper

91 100

92 50.8 26.5 79.5

134 26.5 13.8 41.3



#90

Hexachloroethane

Concen: 21.499 ug/l

RT: 14.057 min Scan# 2120

Delta R.T. 0.006 min

Lab File: VD076508.D

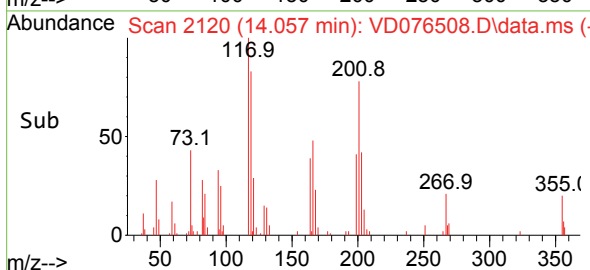
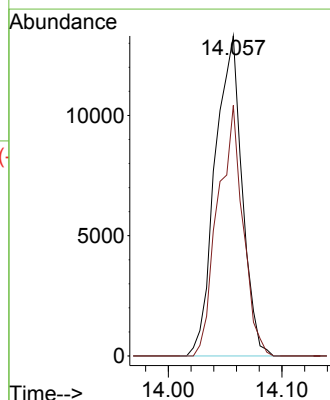
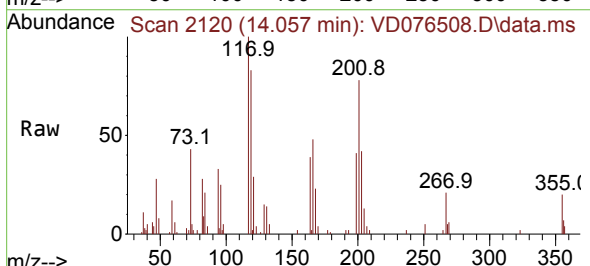
Acq: 21 Jun 2023 12:53

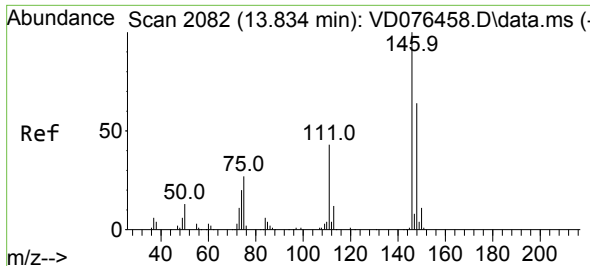
Tgt Ion: 117 Resp: 21978

Ion Ratio Lower Upper

117 100

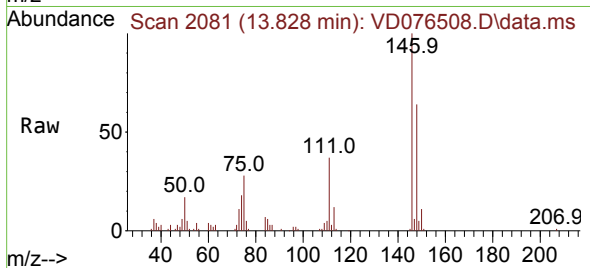
201 73.1 38.5 115.5



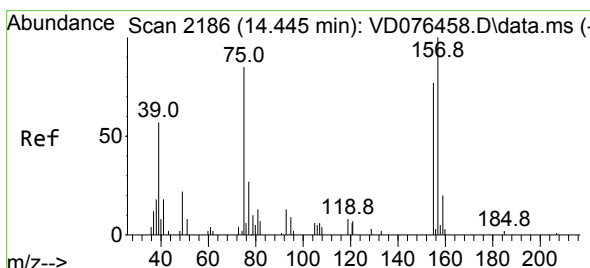
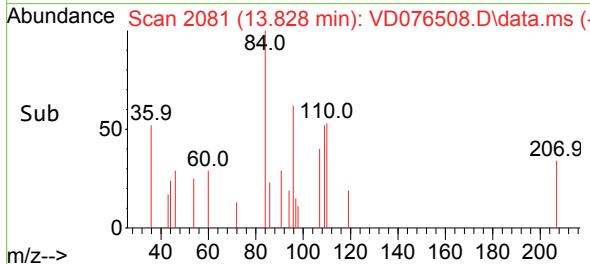
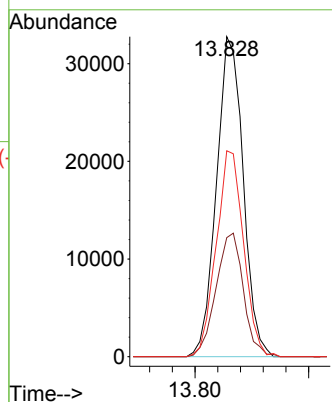


#91  
1,2-Dichlorobenzene  
Concen: 20.499 ug/l  
RT: 13.828 min Scan# 2081  
Delta R.T. -0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

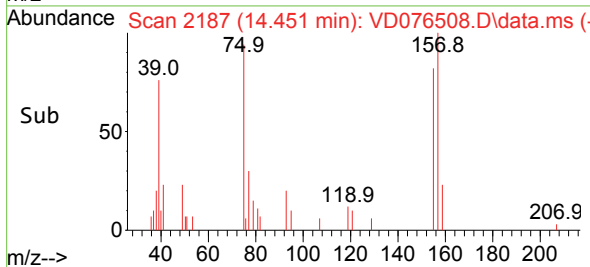
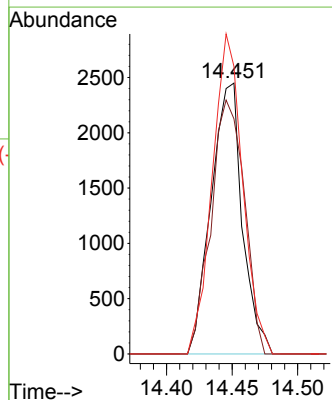
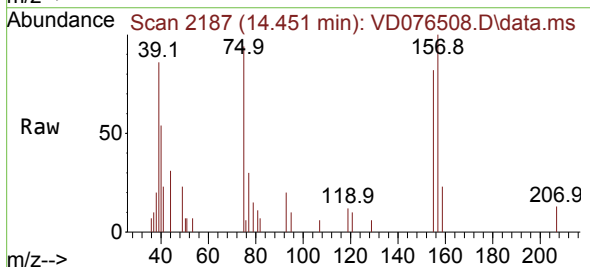


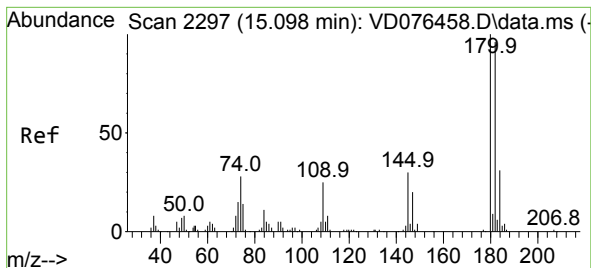
Tgt Ion:146 Resp: 53443  
Ion Ratio Lower Upper  
146 100  
111 39.6 18.3 54.8  
148 65.8 31.6 94.7



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 21.258 ug/l  
RT: 14.451 min Scan# 2187  
Delta R.T. 0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Tgt Ion: 75 Resp: 4065  
Ion Ratio Lower Upper  
75 100  
155 100.0 47.9 143.8  
157 114.4 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 20.225 ug/l

RT: 15.104 min Scan# 2297

Delta R.T. 0.006 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

Instrument :

MSVOA\_D

ClientSampleId :

VD0621SBSD01

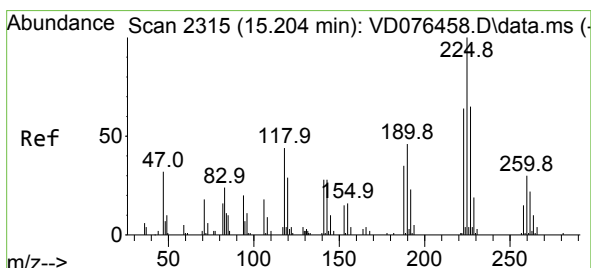
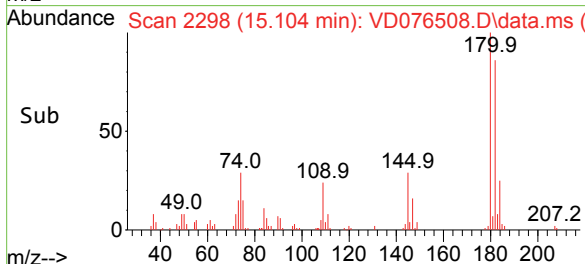
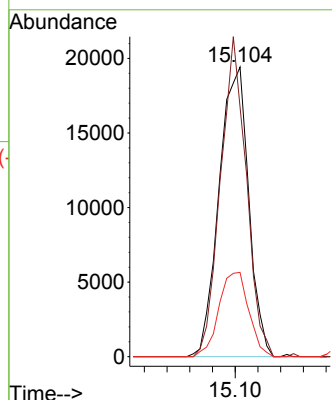
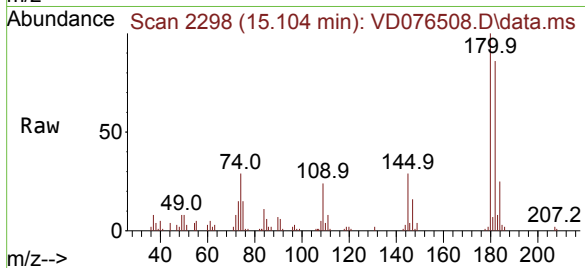
Tgt Ion:180 Resp: 35141

Ion Ratio Lower Upper

180 100

182 96.0 48.5 145.6

145 29.4 14.2 42.6



#94

Hexachlorobutadiene

Concen: 23.554 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD076508.D

Acq: 21 Jun 2023 12:53

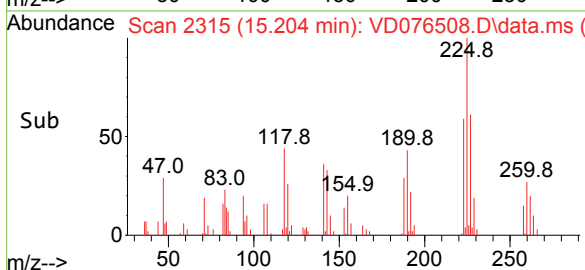
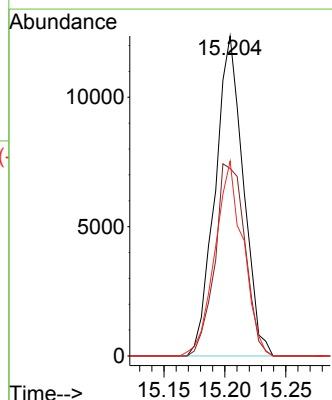
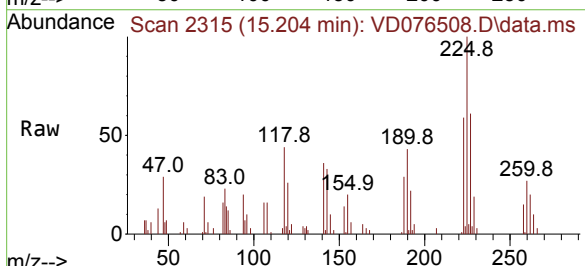
Tgt Ion:225 Resp: 19897

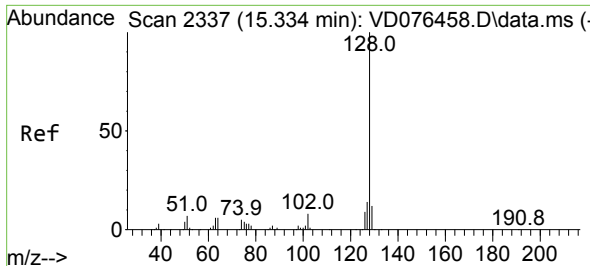
Ion Ratio Lower Upper

225 100

223 63.9 31.6 94.8

227 61.0 31.7 95.1

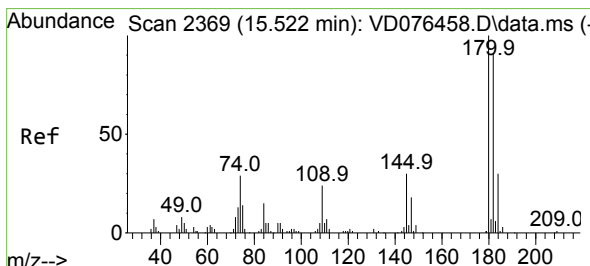
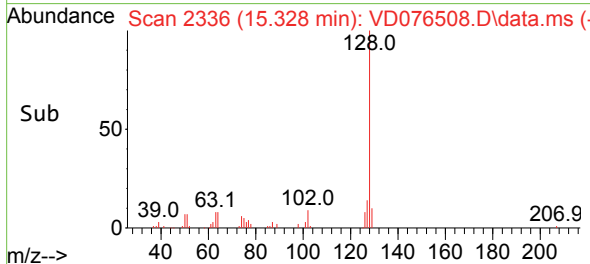
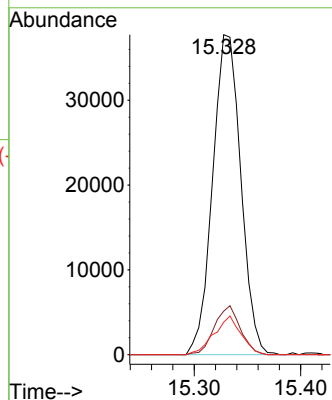
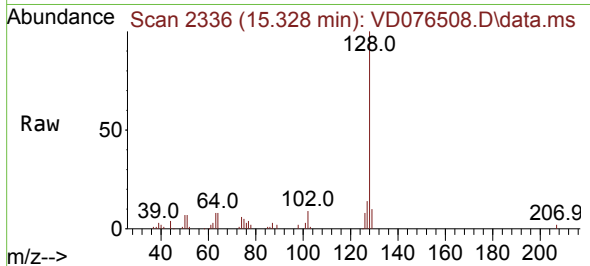




#95  
Naphthalene  
Concen: 19.943 ug/l  
RT: 15.328 min Scan# 2137  
Delta R.T. -0.006 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0621SBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 69293 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.6  | 10.5  | 15.7  |
| 129       | 10.1  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 21.774 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. 0.000 min  
Lab File: VD076508.D  
Acq: 21 Jun 2023 12:53

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 32962 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.7  | 47.3  | 141.9 |
| 145       | 28.8  | 15.1  | 45.3  |

