

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD040723\  
 Data File : VD075599.D  
 Acq On : 07 Apr 2023 14:21  
 Operator : KP/SY  
 Sample : VD0407SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0407SBS01

Quant Time: Apr 10 02:04:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 23:52:37 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 168046   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 295229   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.587 | 117  | 270804   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 135543   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 90608    | 59.422   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 118.840% |      |
| 35) Dibromofluoromethane    | 7.804  | 113   | 112955   | 55.862   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 111.720% |      |
| 50) Toluene-d8              | 10.269 | 98    | 448357   | 56.130   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | = 112.260% |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 125887   | 54.516   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | = 109.040% |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.934 | 85  | 35595  | 21.241  | ug/l   | 97  |
| 3) Chloromethane             | 2.152 | 50  | 61637  | 22.172  | ug/l   | 100 |
| 4) Vinyl Chloride            | 2.287 | 62  | 84998  | 21.076  | ug/l   | 97  |
| 5) Bromomethane              | 2.687 | 94  | 68654  | 21.730  | ug/l   | 96  |
| 6) Chloroethane              | 2.834 | 64  | 59631  | 22.075  | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 3.175 | 101 | 68504  | 21.075  | ug/l   | 91  |
| 8) Diethyl Ether             | 3.593 | 74  | 19480  | 22.450  | ug/l   | 64  |
| 9) 1,1,2-Trichlorotrifluo... | 3.975 | 101 | 42314  | 20.007  | ug/l   | 95  |
| 10) Methyl Iodide            | 4.163 | 142 | 52614  | 20.853  | ug/l   | 90  |
| 11) Tert butyl alcohol       | 5.046 | 59  | 4052   | 57.547  | ug/l # | 100 |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 42017  | 20.117  | ug/l   | 87  |
| 13) Acrolein                 | 3.793 | 56  | 14546  | 103.821 | ug/l   | 97  |
| 14) Allyl chloride           | 4.558 | 41  | 36937  | 20.554  | ug/l # | 81  |
| 15) Acrylonitrile            | 5.246 | 53  | 36283  | 114.033 | ug/l   | 94  |
| 16) Acetone                  | 4.022 | 43  | 32206  | 115.607 | ug/l # | 87  |
| 17) Carbon Disulfide         | 4.269 | 76  | 128758 | 20.432  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.563 | 43  | 18646  | 23.098  | ug/l # | 70  |
| 19) Methyl tert-butyl Ether  | 5.316 | 73  | 80678  | 22.274  | ug/l   | 100 |
| 20) Methylene Chloride       | 4.805 | 84  | 60646  | 25.085  | ug/l # | 71  |
| 21) trans-1,2-Dichloroethene | 5.316 | 96  | 48643  | 20.487  | ug/l # | 80  |
| 22) Diisopropyl ether        | 6.222 | 45  | 88003  | 22.593  | ug/l # | 89  |
| 23) Vinyl Acetate            | 6.157 | 43  | 205026 | 108.462 | ug/l # | 82  |
| 24) 1,1-Dichloroethane       | 6.116 | 63  | 73919  | 21.910  | ug/l   | 97  |
| 25) 2-Butanone               | 7.081 | 43  | 39559  | 111.260 | ug/l # | 80  |
| 26) 2,2-Dichloropropane      | 7.081 | 77  | 67701  | 21.817  | ug/l   | 92  |
| 27) cis-1,2-Dichloroethene   | 7.081 | 96  | 54186  | 21.297  | ug/l   | 83  |
| 28) Bromochloromethane       | 7.422 | 49  | 25737  | 23.662  | ug/l # | 47  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 20726  | 107.104 | ug/l # | 52  |
| 30) Chloroform               | 7.599 | 83  | 84266  | 22.489  | ug/l   | 100 |
| 31) Cyclohexane              | 7.875 | 56  | 52193  | 19.217  | ug/l # | 71  |
| 32) 1,1,1-Trichloroethane    | 7.799 | 97  | 69322  | 21.099  | ug/l   | 94  |
| 36) 1,1-Dichloropropene      | 8.004 | 75  | 58641  | 19.570  | ug/l   | 93  |
| 37) Ethyl Acetate            | 7.175 | 43  | 17439  | 22.336  | ug/l # | 80  |
| 38) Carbon Tetrachloride     | 7.993 | 117 | 54944  | 19.136  | ug/l   | 96  |
| 39) Methylcyclohexane        | 9.275 | 83  | 66931  | 17.716  | ug/l   | 92  |
| 40) Benzene                  | 8.246 | 78  | 193065 | 21.499  | ug/l   | 100 |

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 Operator : KP/SY  
 Sample : VD0407SBS01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0407SBS01

Quant Time: Apr 10 02:04:50 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031023S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 10 23:52:37 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.404  | 41   | 8591     | 20.881  | ug/l # | 57       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 44160    | 22.340  | ug/l   | 91       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 32013    | 22.159  | ug/l # | 76       |
| 44) Trichloroethene           | 9.028  | 130  | 52619    | 19.937  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.310  | 63   | 41278    | 21.382  | ug/l   | 99       |
| 46) Dibromomethane            | 9.398  | 93   | 26029    | 21.876  | ug/l   | 92       |
| 47) Bromodichloromethane      | 9.581  | 83   | 63744    | 22.124  | ug/l   | 97       |
| 48) Methyl methacrylate       | 9.381  | 41   | 13770    | 20.289  | ug/l # | 58       |
| 49) 1,4-Dioxane               | 9.387  | 88   | 4693     | 434.794 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 10.157 | 43   | 82491    | 109.792 | ug/l # | 80       |
| 52) Toluene                   | 10.334 | 92   | 121971   | 20.960  | ug/l   | 93       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 56536    | 21.813  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 68309    | 21.460  | ug/l # | 79       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 37035    | 21.987  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 34091    | 21.257  | ug/l # | 67       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 55921    | 21.573  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 85375    | 108.773 | ug/l # | 84       |
| 59) 2-Hexanone                | 10.922 | 43   | 57106    | 107.477 | ug/l   | 74       |
| 60) Dibromochloromethane      | 11.075 | 129  | 43228    | 21.722  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 34835    | 21.959  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 42801    | 20.027  | ug/l   | 93       |
| 65) Chlorobenzene             | 11.610 | 112  | 131886   | 20.535  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 11.681 | 131  | 46974    | 21.349  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.687 | 91   | 215471   | 19.481  | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.792 | 106  | 177901   | 40.018  | ug/l   | 93       |
| 69) o-Xylene                  | 12.122 | 106  | 78720    | 19.067  | ug/l   | 97       |
| 70) Styrene                   | 12.134 | 104  | 140983   | 20.529  | ug/l   | 94       |
| 71) Bromoform                 | 12.304 | 173  | 24284    | 21.615  | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.422 | 105  | 203802   | 18.776  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.234 | 43   | 28242    | 21.004  | ug/l # | 73       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 39894    | 21.671  | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 44769    | 40.273  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 51552    | 19.977  | ug/l   | 92       |
| 78) n-propylbenzene           | 12.763 | 91   | 255081   | 19.340  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 142024   | 19.872  | ug/l   | 93       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 173571   | 19.500  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 10981    | 20.778  | ug/l # | 71       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 153230   | 20.778  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 141939   | 18.348  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 174115   | 20.240  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 224689   | 18.761  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 184871   | 18.891  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 107467   | 20.147  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 107174   | 20.311  | ug/l   | 99       |
| 89) n-Butylbenzene            | 13.786 | 91   | 170044   | 18.946  | ug/l   | 98       |
| 90) Hexachloroethane          | 14.051 | 117  | 37502    | 19.845  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 92296    | 20.447  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 4792     | 20.685  | ug/l   | 78       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 49789    | 18.914  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 23096    | 18.396  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 88245    | 18.261  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 43451    | 19.129  | ug/l   | 98       |

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Data File : VD075599.D  
Acq On : 07 Apr 2023 14:21  
Operator : KP/SY  
Sample : VD0407SBSD01  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 6 Sample Multiplier: 1

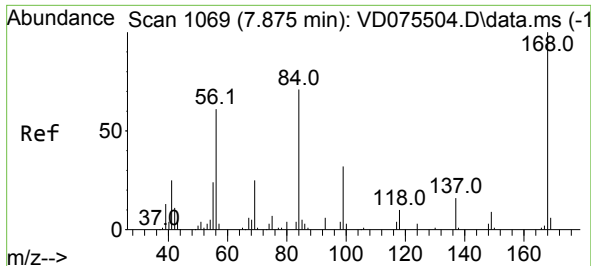
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

Quant Time: Apr 10 02:04:50 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D031023S.M  
Quant Title : SW846 8260  
QLast Update : Fri Mar 10 23:52:37 2023  
Response via : Initial Calibration

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

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

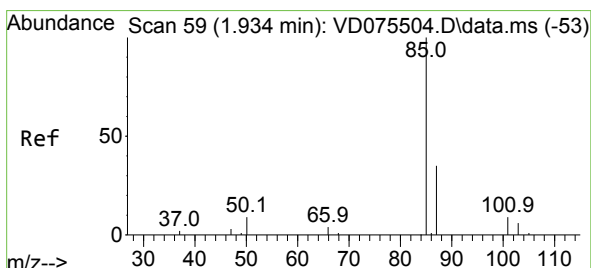
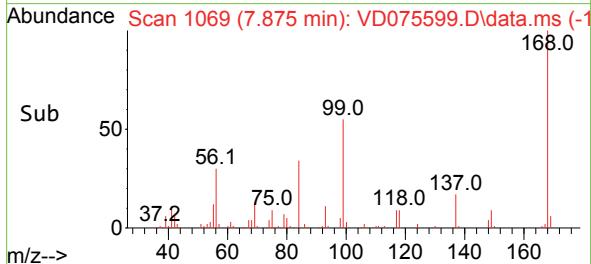
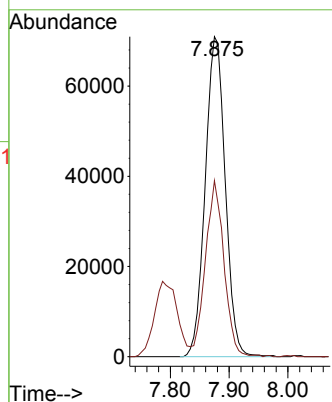
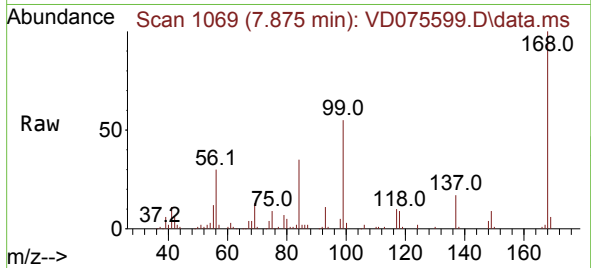




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. 0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

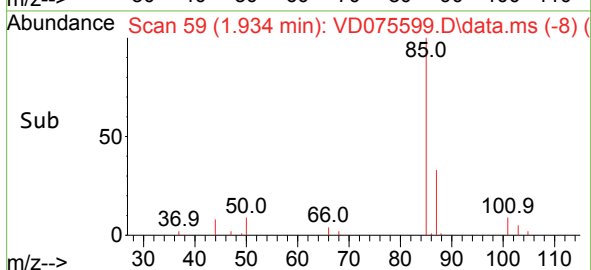
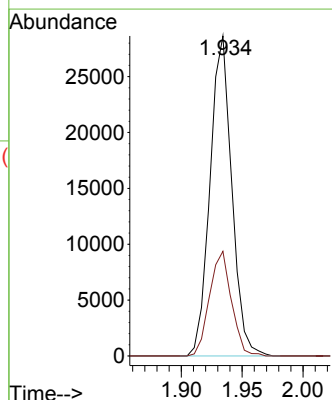
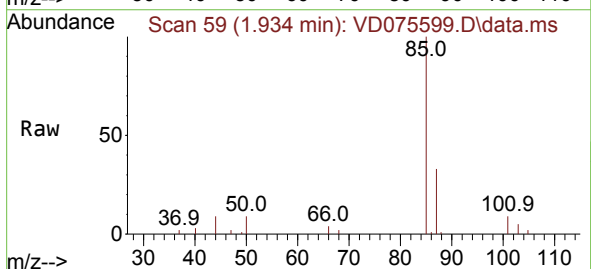
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

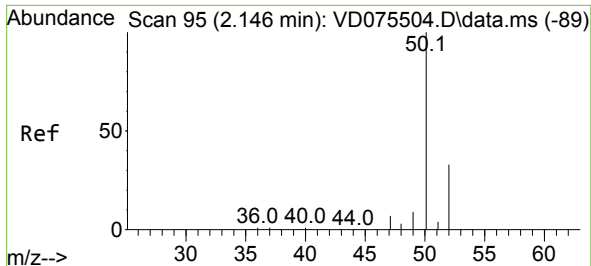
Tgt Ion:168 Resp: 168046  
Ion Ratio Lower Upper  
168 100  
99 55.0 43.8 65.6



#2  
Dichlorodifluoromethane  
Concen: 21.241 ug/l  
RT: 1.934 min Scan# 59  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 85 Resp: 35595  
Ion Ratio Lower Upper  
85 100  
87 32.7 17.3 51.7

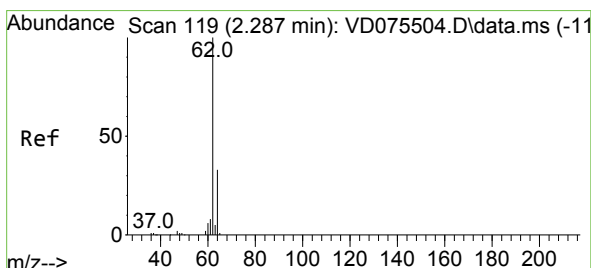
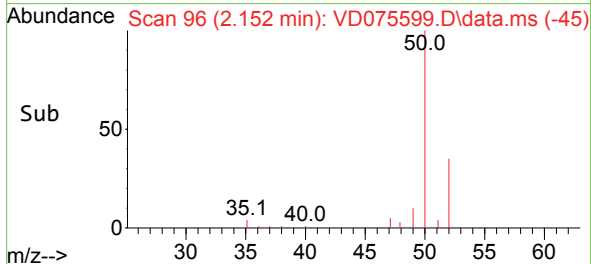
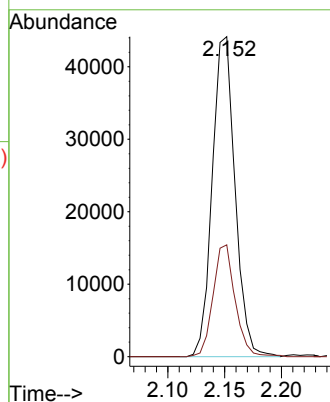
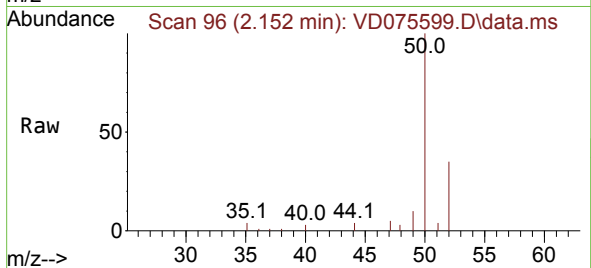




#3  
Chloromethane  
Concen: 22.172 ug/l  
RT: 2.152 min Scan# 90  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

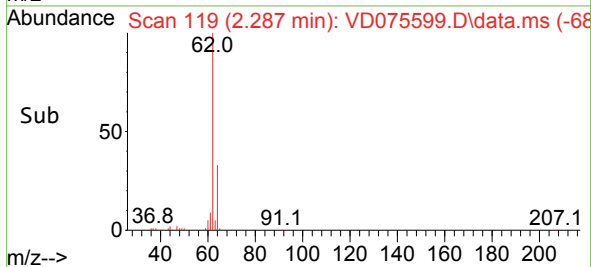
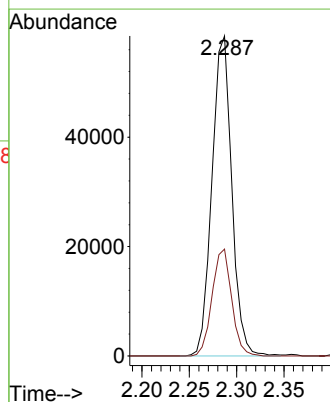
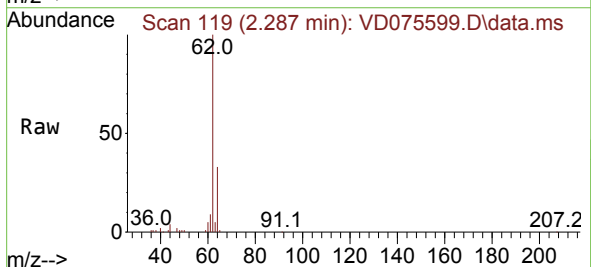
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

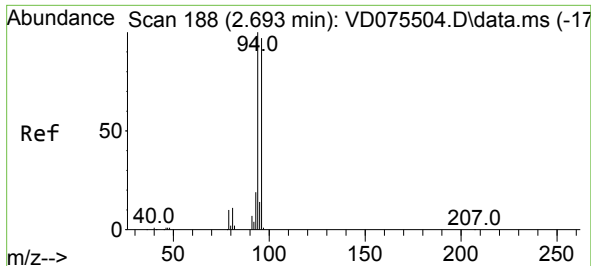
Tgt Ion: 50 Resp: 61637  
Ion Ratio Lower Upper  
50 100  
52 35.0 27.8 41.8



#4  
Vinyl Chloride  
Concen: 21.076 ug/l  
RT: 2.287 min Scan# 119  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 62 Resp: 84998  
Ion Ratio Lower Upper  
62 100  
64 33.4 25.4 38.0

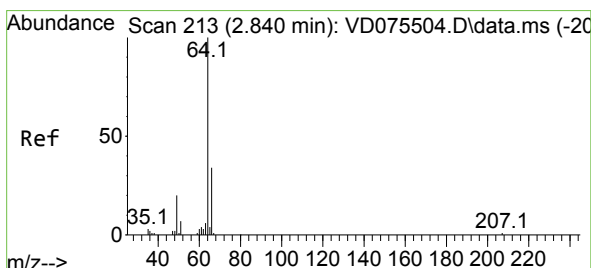
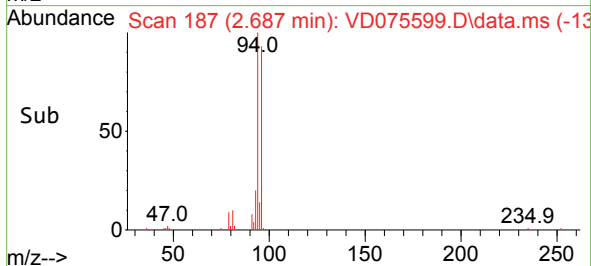
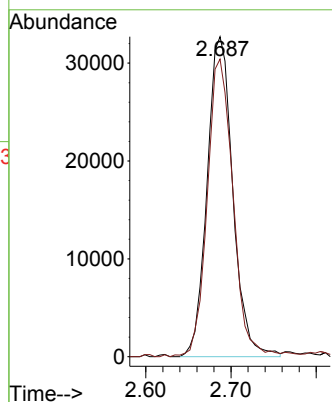
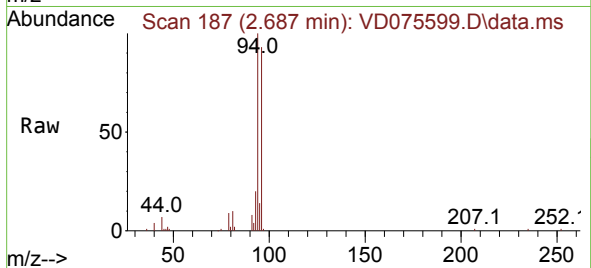




#5  
Bromomethane  
Concen: 21.730 ug/l  
RT: 2.687 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

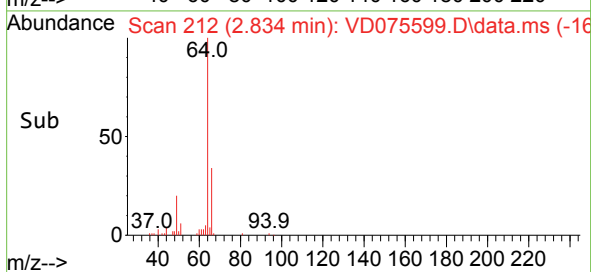
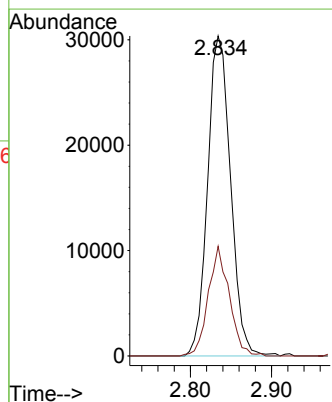
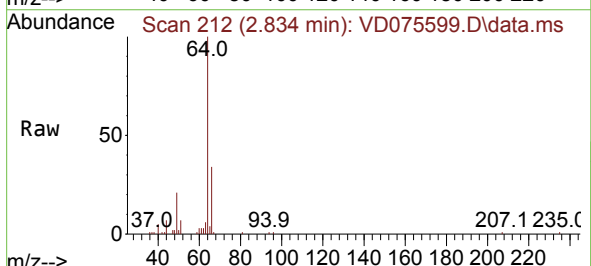
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

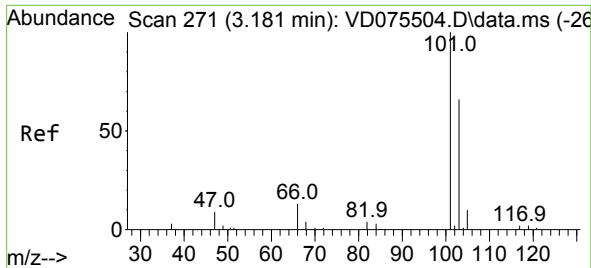
Tgt Ion: 94 Resp: 68654  
Ion Ratio Lower Upper  
94 100  
96 92.9 77.5 116.3



#6  
Chloroethane  
Concen: 22.075 ug/l  
RT: 2.834 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 64 Resp: 59631  
Ion Ratio Lower Upper  
64 100  
66 34.3 27.7 41.5

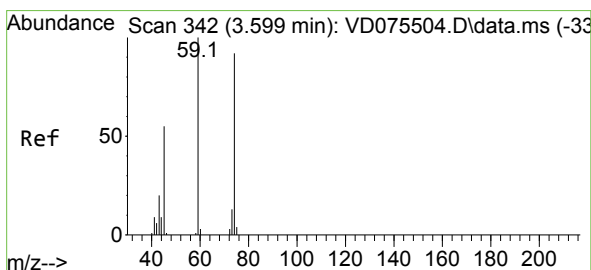
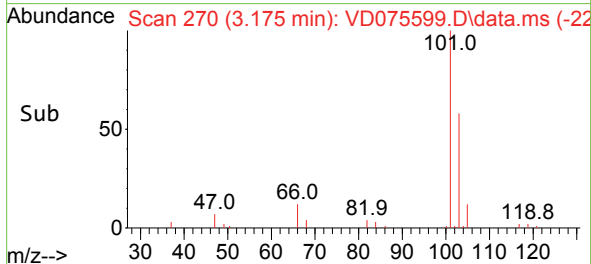
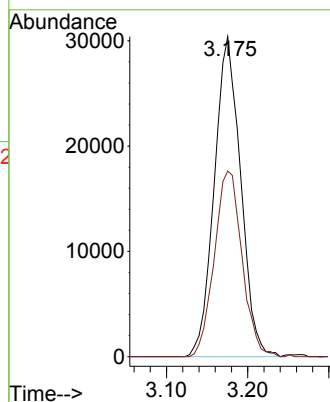
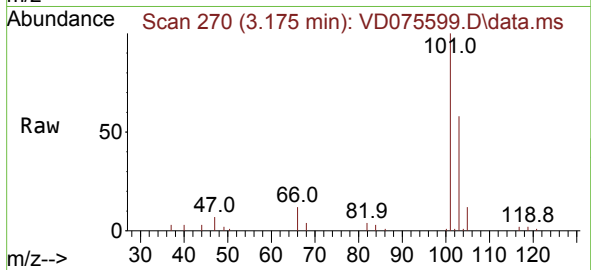




#7  
Trichlorofluoromethane  
Concen: 21.075 ug/l  
RT: 3.175 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

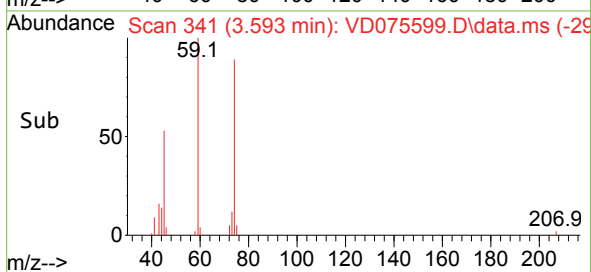
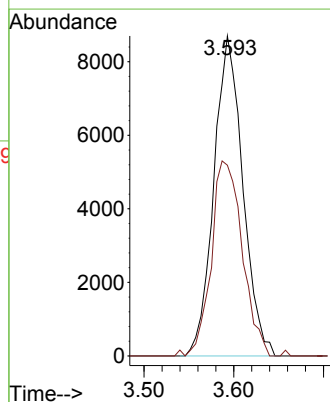
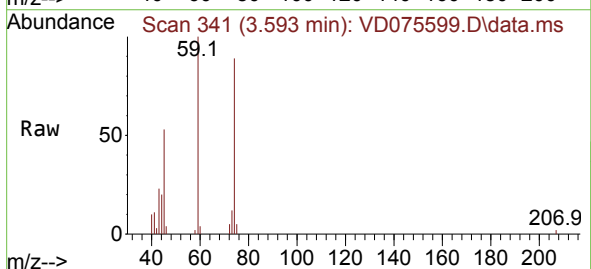
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

Tgt Ion:101 Resp: 68504  
Ion Ratio Lower Upper  
101 100  
103 58.0 51.9 77.9

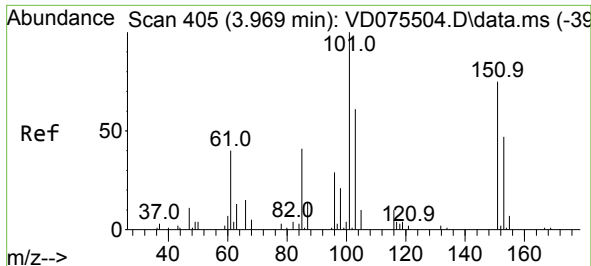


#8  
Diethyl Ether  
Concen: 22.450 ug/l  
RT: 3.593 min Scan# 341  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 74 Resp: 19480  
Ion Ratio Lower Upper  
74 100  
45 65.1 50.9 152.7



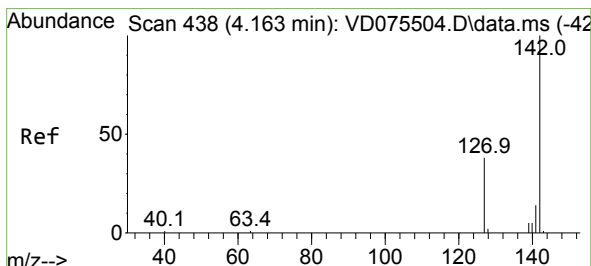
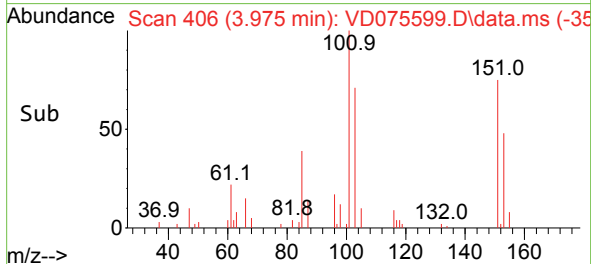
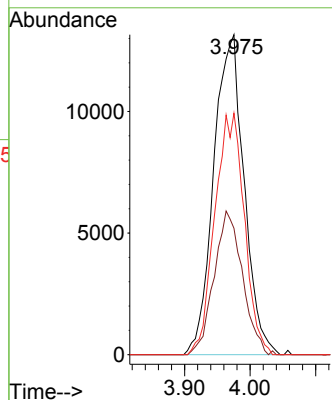
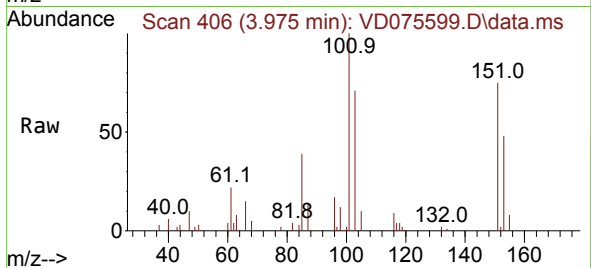




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.007 ug/l  
RT: 3.975 min Scan# 405  
Delta R.T. 0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

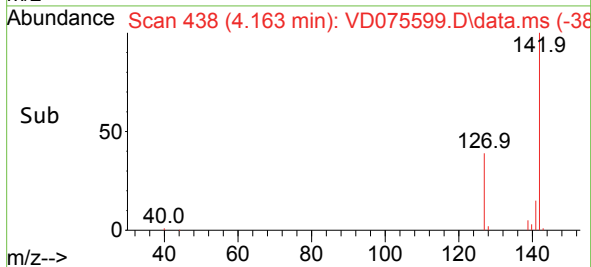
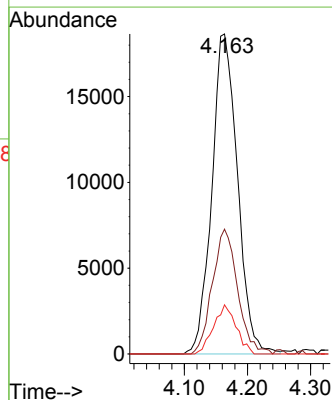
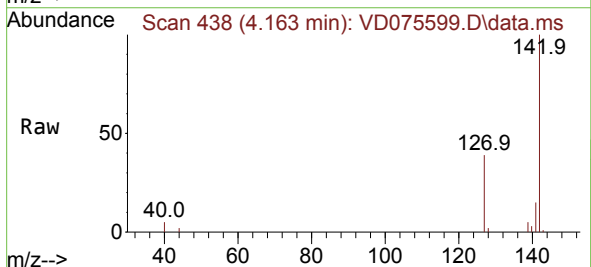
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBS01

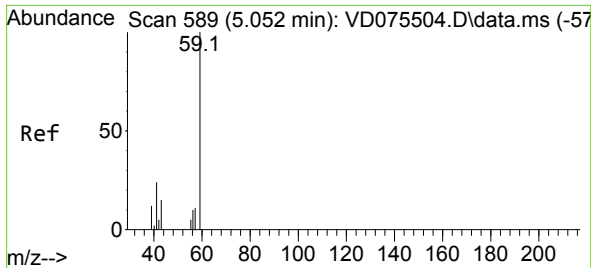
Tgt Ion:101 Resp: 42314  
Ion Ratio Lower Upper  
101 100  
85 42.1 38.3 57.5  
151 73.4 60.4 90.6



#10  
Methyl Iodide  
Concen: 20.853 ug/l  
RT: 4.163 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion:142 Resp: 52614  
Ion Ratio Lower Upper  
142 100  
127 38.3 37.1 55.7  
141 13.5 11.3 16.9

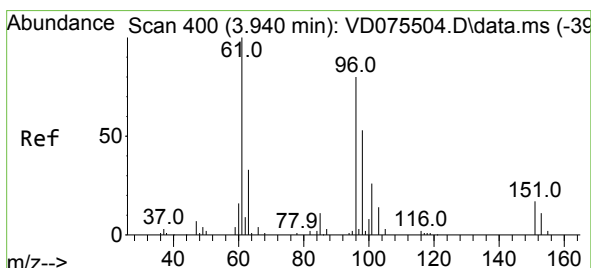
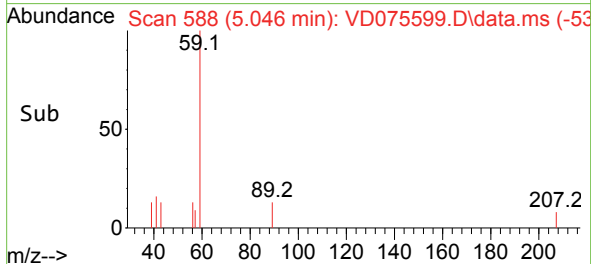
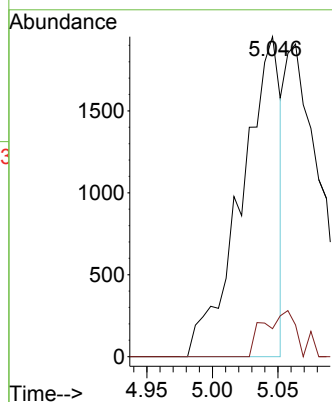
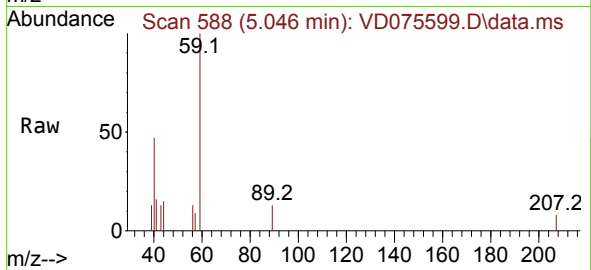




#11  
Tert butyl alcohol  
Concen: 57.547 ug/l  
RT: 5.046 min Scan# 51  
Delta R.T. -0.012 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

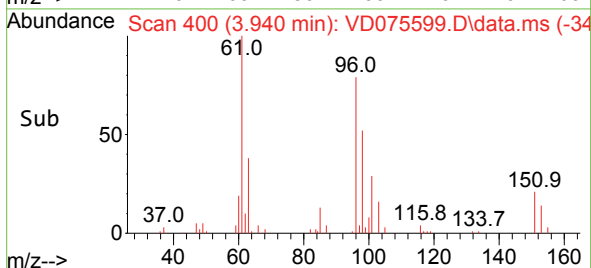
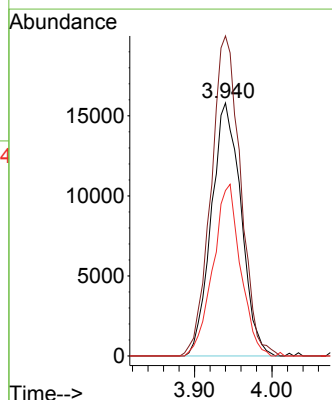
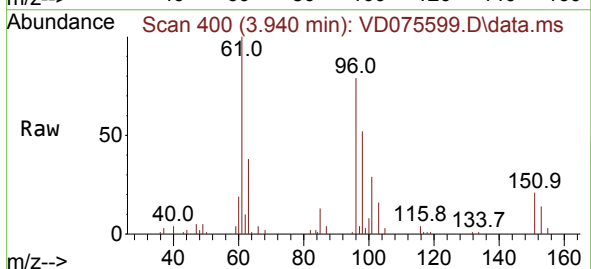
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBS01

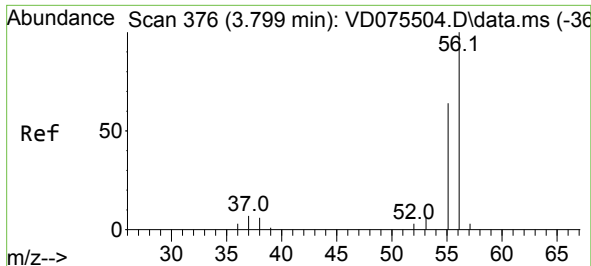
Tgt Ion: 59 Resp: 4052  
Ion Ratio Lower Upper  
59 100  
57 12.7 0.0 0.0#



#12  
1,1-Dichloroethene  
Concen: 20.117 ug/l  
RT: 3.940 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 96 Resp: 42017  
Ion Ratio Lower Upper  
96 100  
61 126.5 118.6 177.8  
98 65.4 49.7 74.5





#13

Acrolein

Concen: 103.821 ug/l

RT: 3.793 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

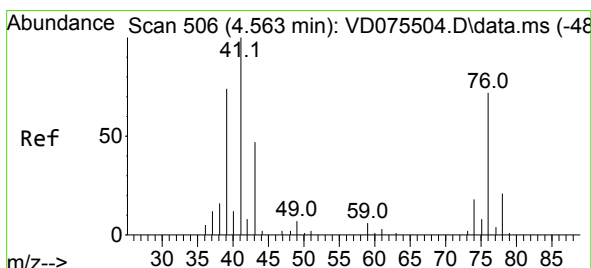
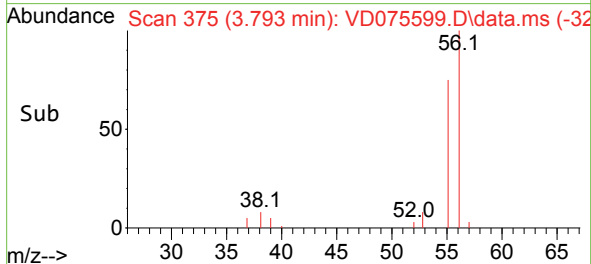
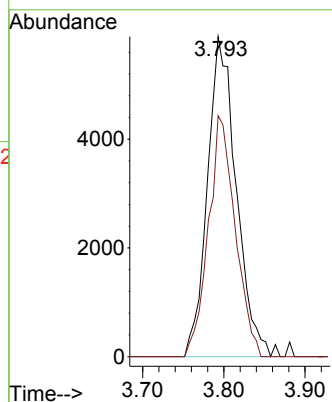
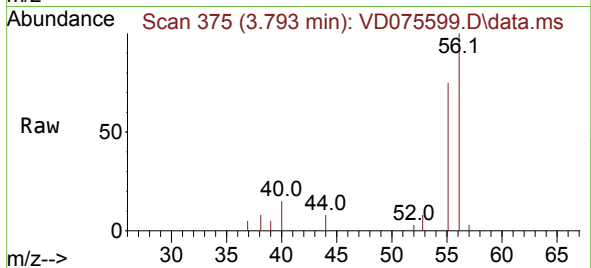
VD0407SBS01

Tgt Ion: 56 Resp: 14546

Ion Ratio Lower Upper

56 100

55 70.0 53.9 80.9



#14

Allyl chloride

Concen: 20.554 ug/l

RT: 4.558 min Scan# 505

Delta R.T. -0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

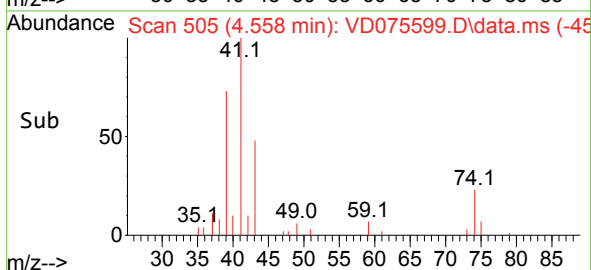
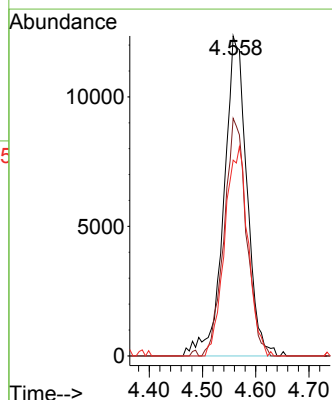
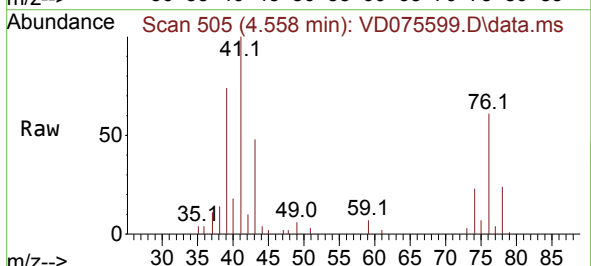
Tgt Ion: 41 Resp: 36937

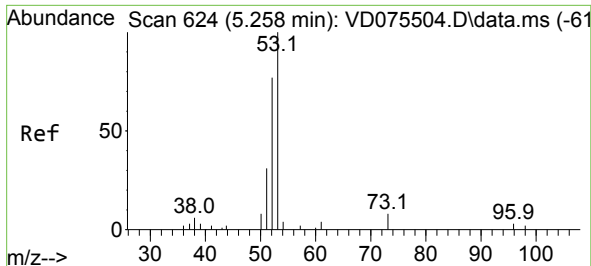
Ion Ratio Lower Upper

41 100

39 72.5 60.6 90.8

76 66.4 28.6 43.0#

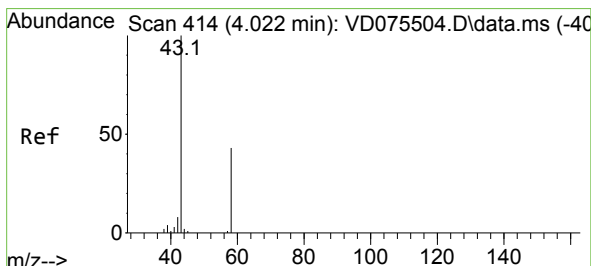
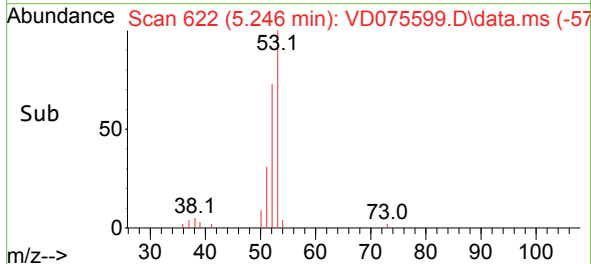
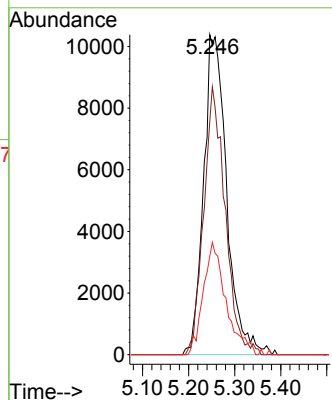
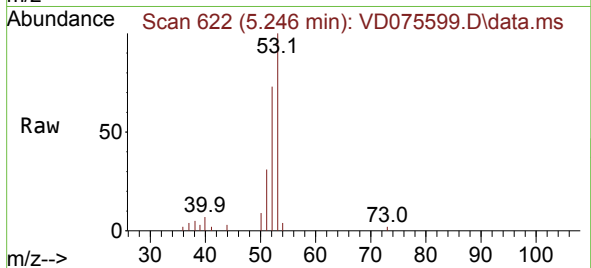




#15  
Acrylonitrile  
Concen: 114.033 ug/l  
RT: 5.246 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

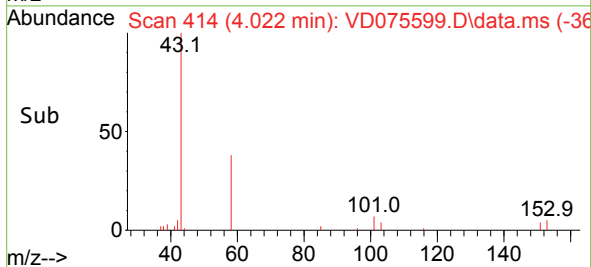
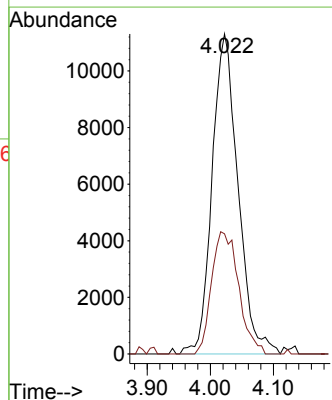
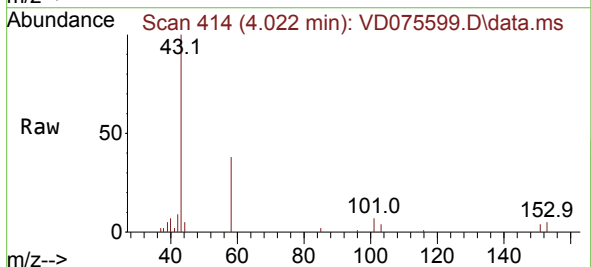
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

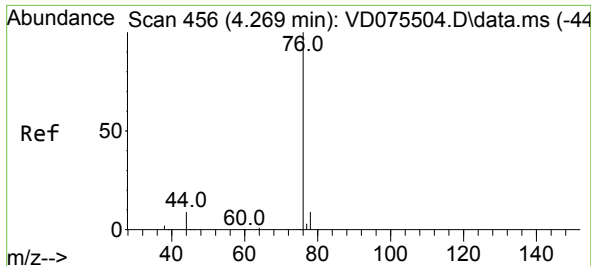
Tgt Ion: 53 Resp: 36283  
Ion Ratio Lower Upper  
53 100  
52 77.8 66.2 99.4  
51 34.4 30.7 46.1



#16  
Acetone  
Concen: 115.607 ug/l  
RT: 4.022 min Scan# 414  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 43 Resp: 32206  
Ion Ratio Lower Upper  
43 100  
58 37.5 24.4 36.6#

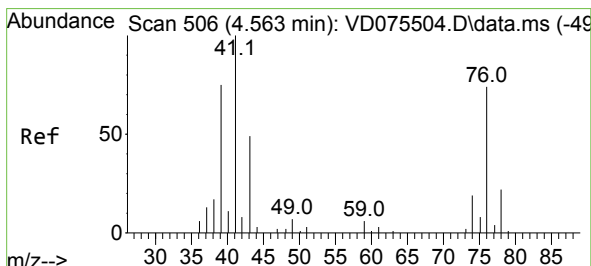
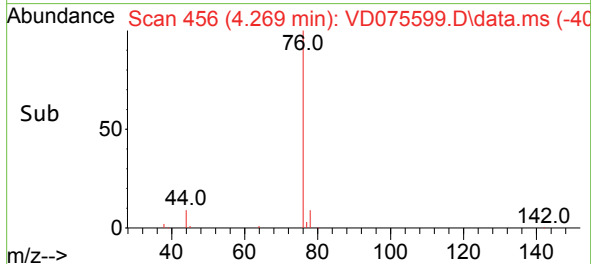
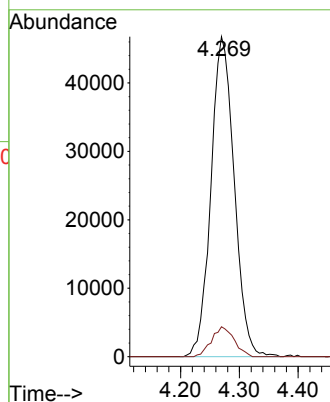
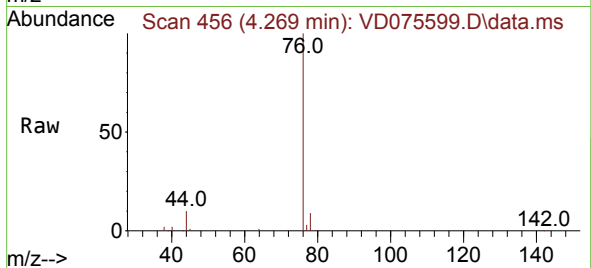




#17  
Carbon Disulfide  
Concen: 20.432 ug/l  
RT: 4.269 min Scan# 456  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

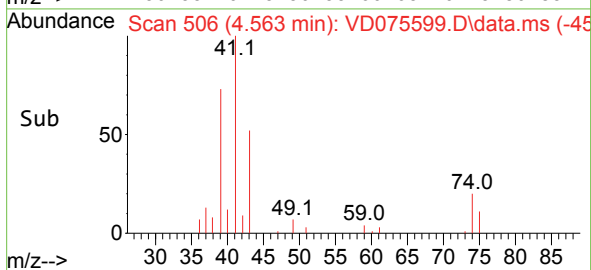
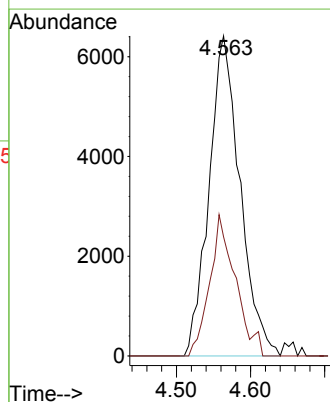
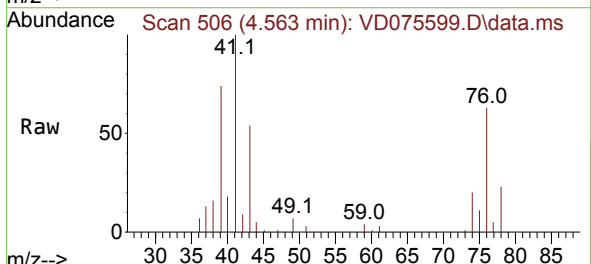
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

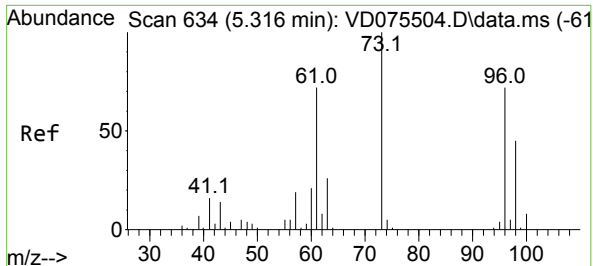
Tgt Ion: 76 Resp: 128758  
Ion Ratio Lower Upper  
76 100  
78 9.3 8.0 12.0



#18  
Methyl Acetate  
Concen: 23.098 ug/l  
RT: 4.563 min Scan# 506  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 43 Resp: 18646  
Ion Ratio Lower Upper  
43 100  
74 36.7 17.8 26.6#





#19

Methyl tert-butyl Ether

Concen: 22.274 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

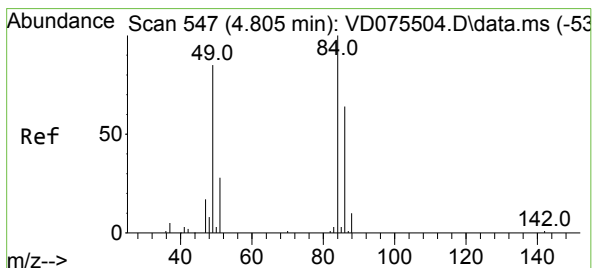
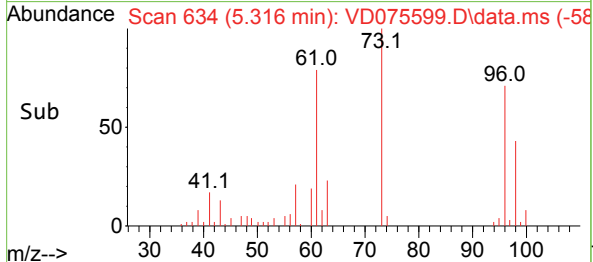
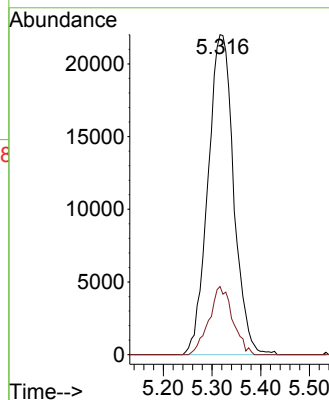
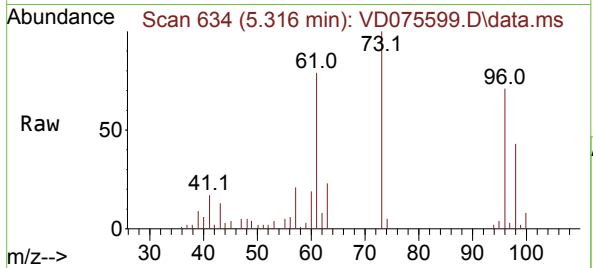
VD0407SBS01

Tgt Ion: 73 Resp: 80678

Ion Ratio Lower Upper

73 100

57 21.3 17.2 25.8



#20

Methylene Chloride

Concen: 25.085 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Tgt Ion: 84 Resp: 60646

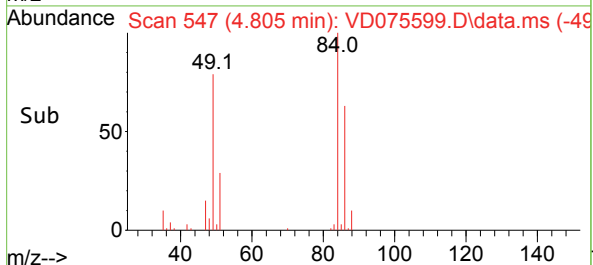
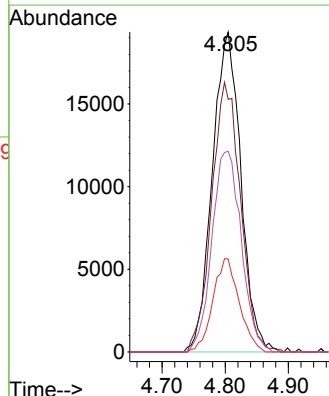
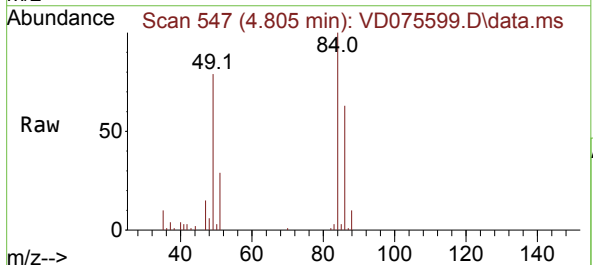
Ion Ratio Lower Upper

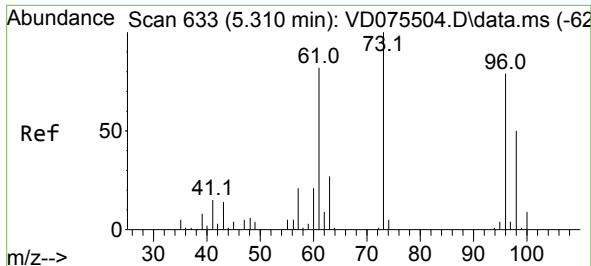
84 100

49 78.9 106.4 159.6#

51 29.0 32.4 48.6#

86 62.7 50.9 76.3

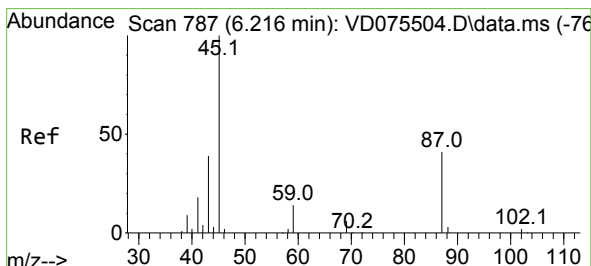
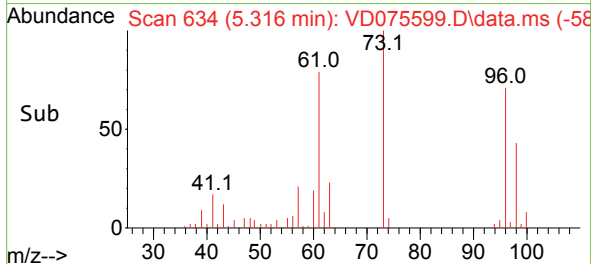
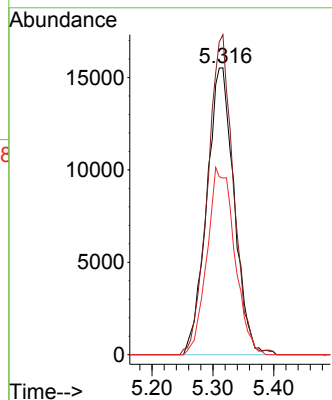
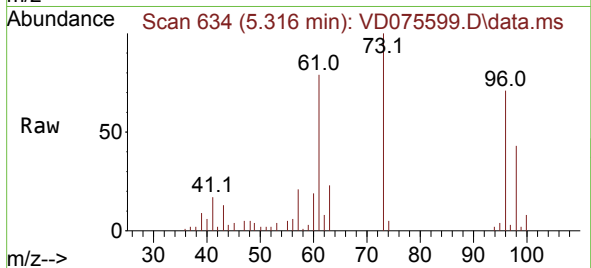




#21  
trans-1,2-Dichloroethene  
Concen: 20.487 ug/l  
RT: 5.316 min Scan# 611  
Delta R.T. 0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

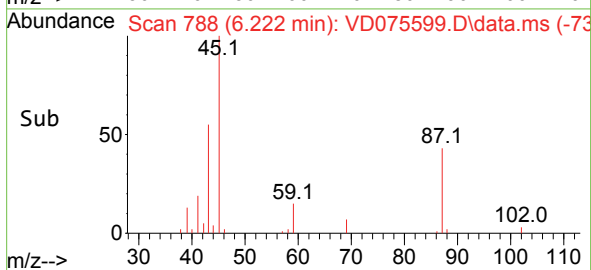
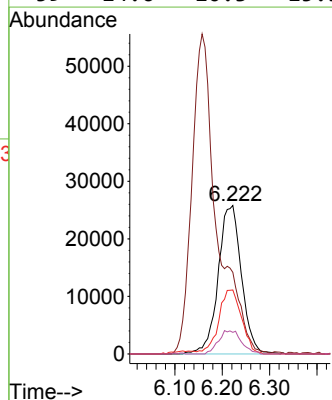
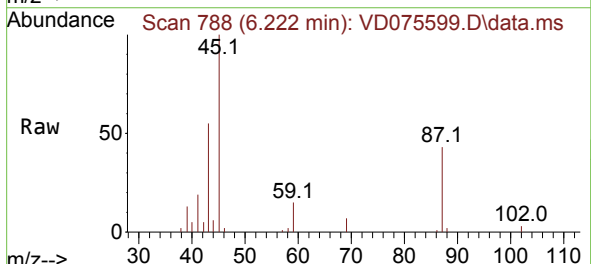
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

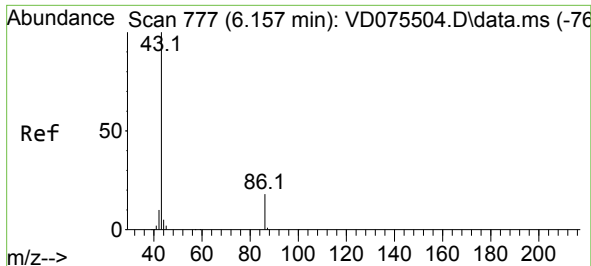
Tgt Ion: 96 Resp: 48643  
Ion Ratio Lower Upper  
96 100  
61 111.5 117.2 175.8#  
98 61.6 50.6 76.0



#22  
Diisopropyl ether  
Concen: 22.593 ug/l  
RT: 6.222 min Scan# 788  
Delta R.T. 0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 45 Resp: 88003  
Ion Ratio Lower Upper  
45 100  
43 53.8 44.4 66.6  
87 43.1 20.9 31.3#  
59 14.6 10.3 15.5

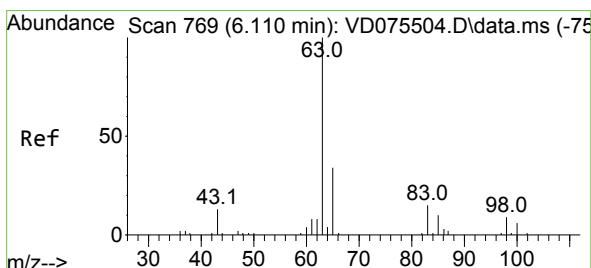
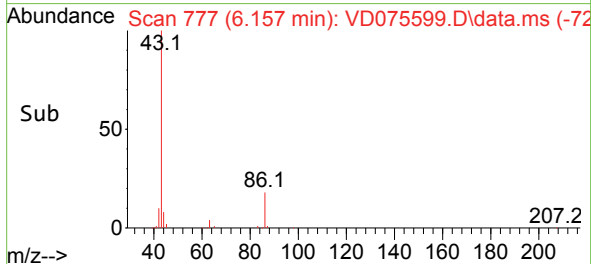
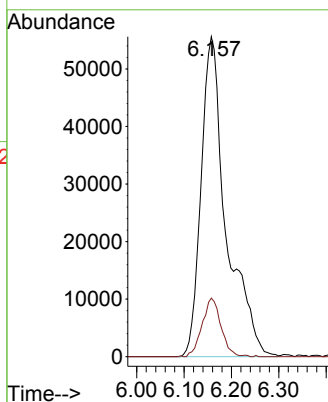
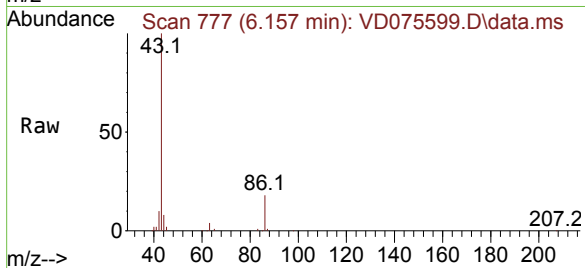




#23  
 Vinyl Acetate  
 Concen: 108.462 ug/l  
 RT: 6.157 min Scan# 777  
 Delta R.T. -0.000 min  
 Lab File: VD075599.D  
 Acq: 07 Apr 2023 14:21

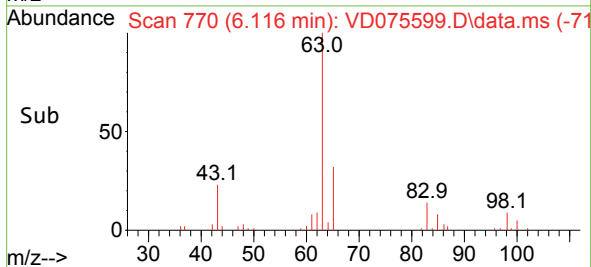
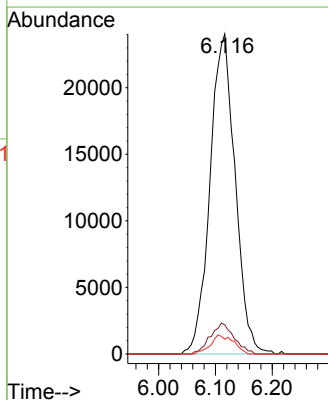
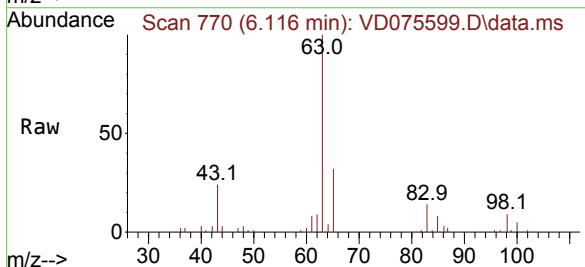
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0407SBS01

Tgt Ion: 43 Resp: 205026  
 Ion Ratio Lower Upper  
 43 100  
 86 18.3 9.0 13.6#

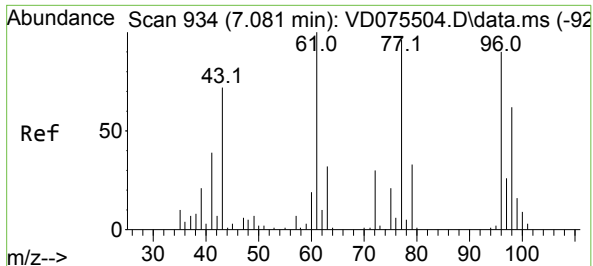


#24  
 1,1-Dichloroethane  
 Concen: 21.910 ug/l  
 RT: 6.116 min Scan# 770  
 Delta R.T. 0.006 min  
 Lab File: VD075599.D  
 Acq: 07 Apr 2023 14:21

Tgt Ion: 63 Resp: 73919  
 Ion Ratio Lower Upper  
 63 100  
 98 9.1 3.9 11.7  
 100 4.6 2.0 6.0



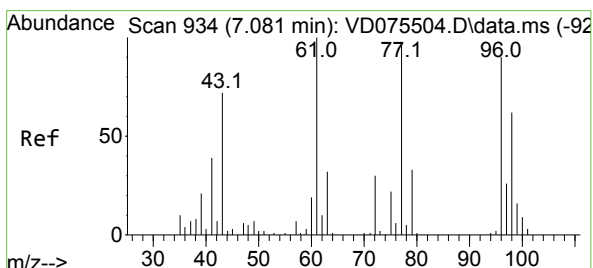
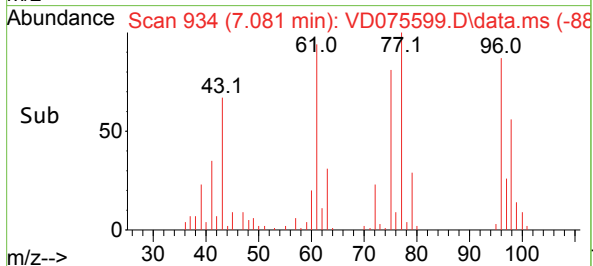
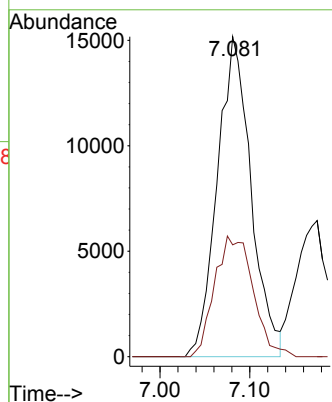
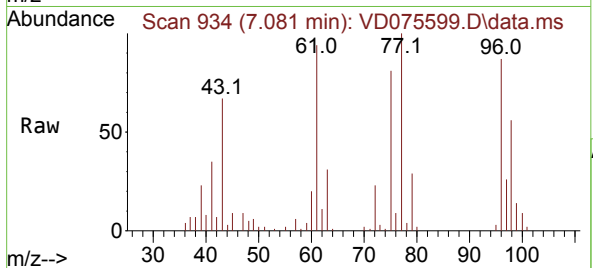




#25  
2-Butanone  
Concen: 111.260 ug/l  
RT: 7.081 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

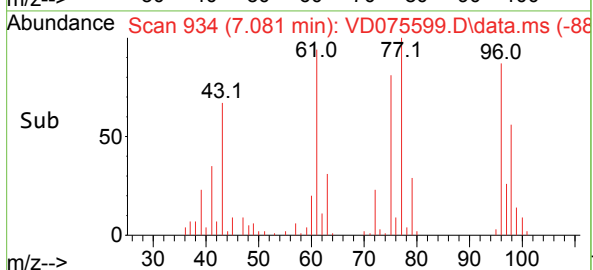
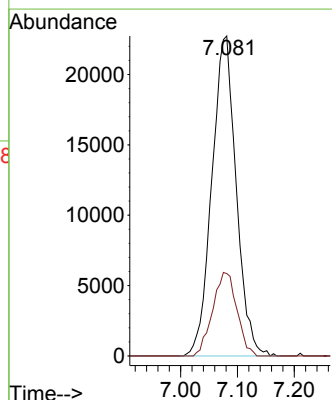
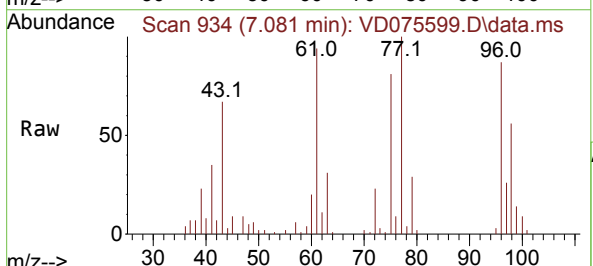
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

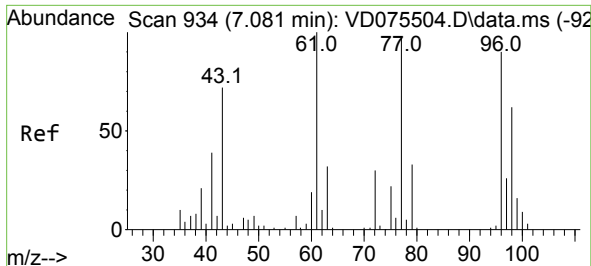
Tgt Ion: 43 Resp: 39559  
Ion Ratio Lower Upper  
43 100  
72 35.0 19.8 29.8#



#26  
2,2-Dichloropropane  
Concen: 21.817 ug/l  
RT: 7.081 min Scan# 934  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 77 Resp: 67701  
Ion Ratio Lower Upper  
77 100  
97 25.9 11.1 33.1





#27

cis-1,2-Dichloroethene

Concen: 21.297 ug/l

RT: 7.081 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBS01

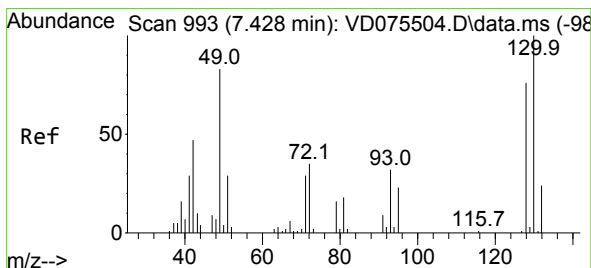
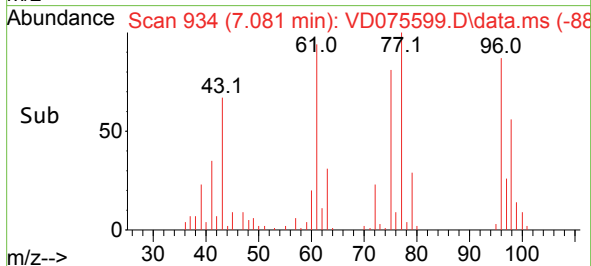
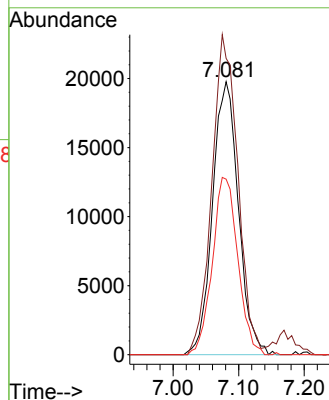
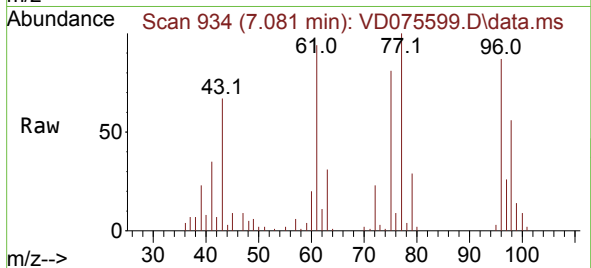
Tgt Ion: 96 Resp: 54186

Ion Ratio Lower Upper

96 100

61 117.7 0.0 295.2

98 63.8 0.0 129.2



#28

Bromochloromethane

Concen: 23.662 ug/l

RT: 7.422 min Scan# 992

Delta R.T. -0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

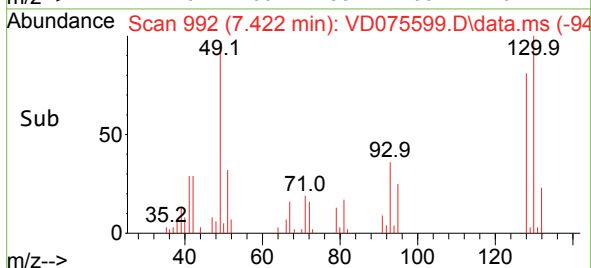
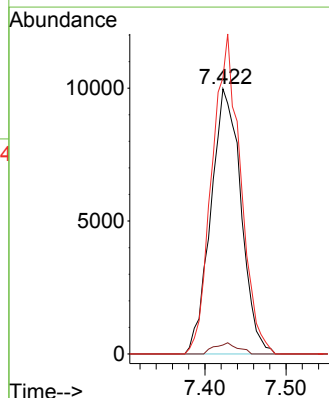
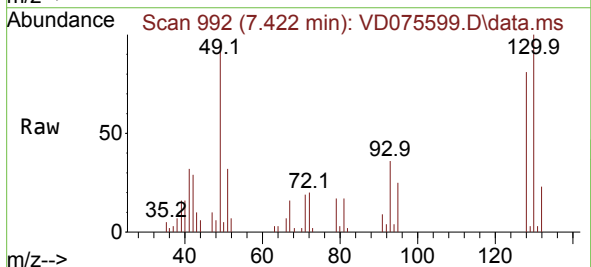
Tgt Ion: 49 Resp: 25737

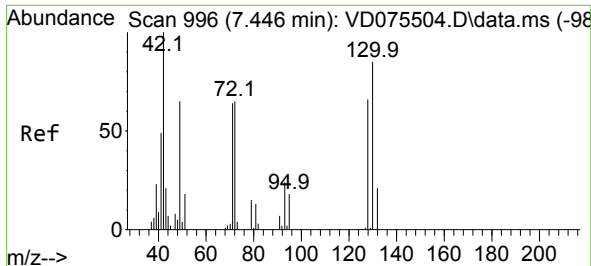
Ion Ratio Lower Upper

49 100

129 3.2 0.0 2.2#

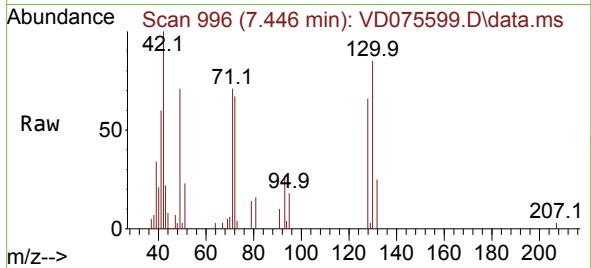
130 114.0 56.0 84.0#



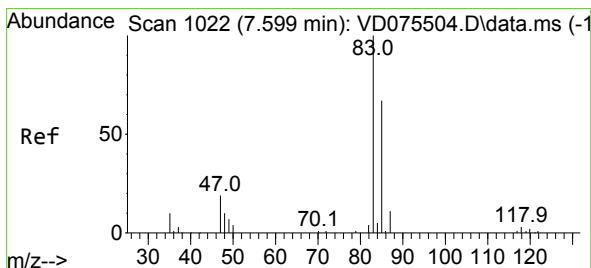
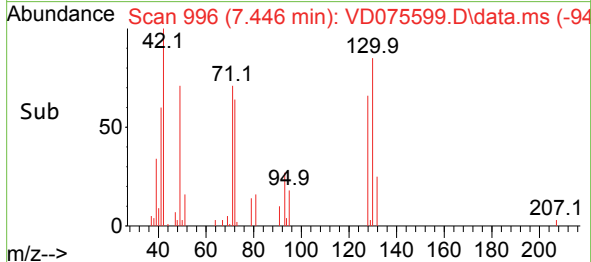
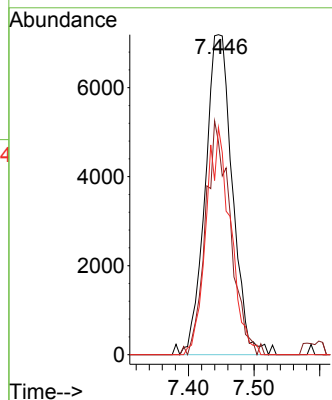


#29  
Tetrahydrofuran  
Concen: 107.104 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

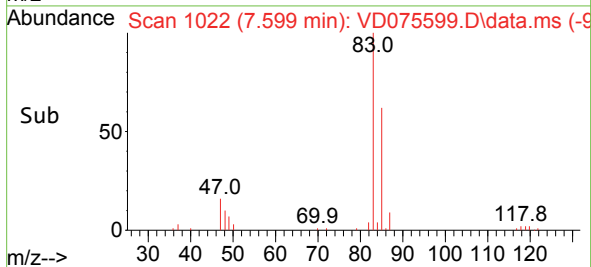
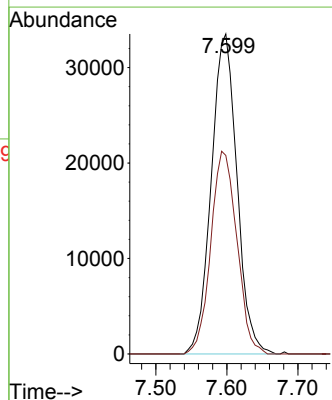
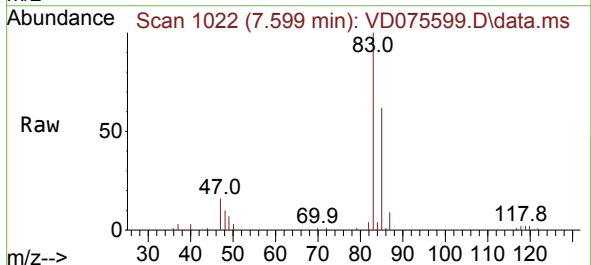


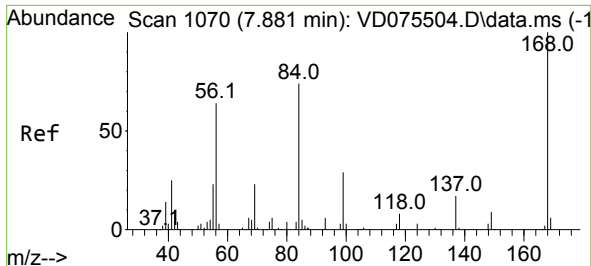
Tgt Ion: 42 Resp: 20726  
Ion Ratio Lower Upper  
42 100  
72 67.0 31.8 47.6#  
71 64.0 27.6 41.4#



#30  
Chloroform  
Concen: 22.489 ug/l  
RT: 7.599 min Scan# 1022  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

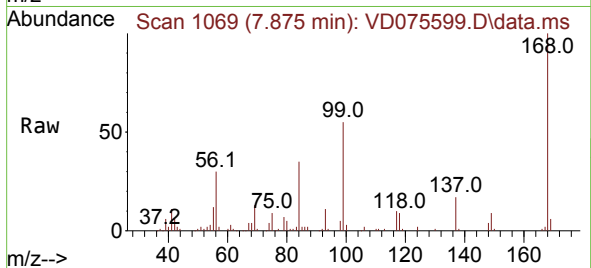
Tgt Ion: 83 Resp: 84266  
Ion Ratio Lower Upper  
83 100  
85 62.0 49.4 74.2



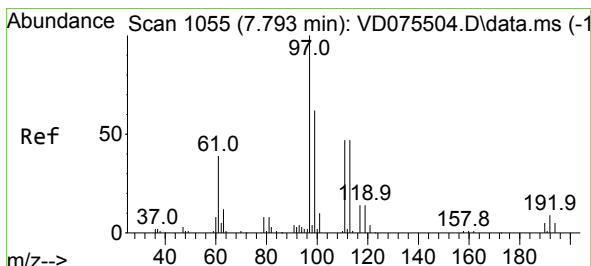
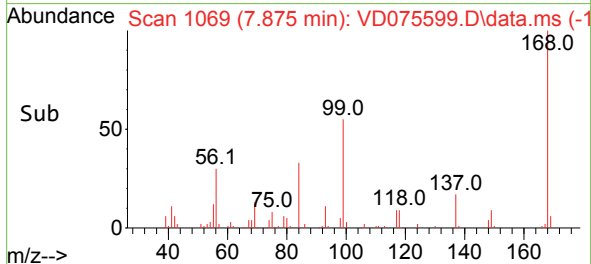
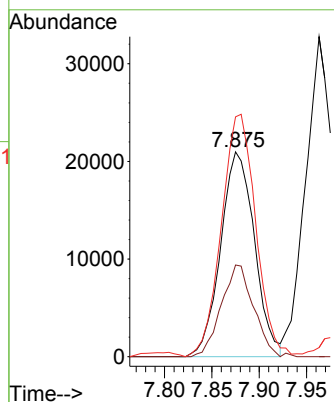


#31  
Cyclohexane  
Concen: 19.217 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

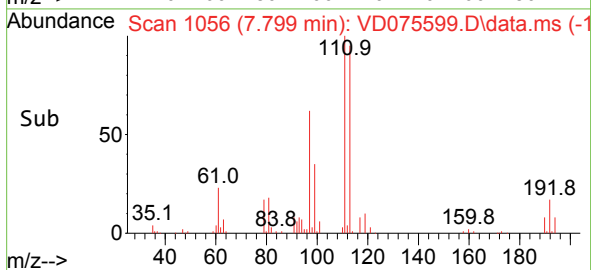
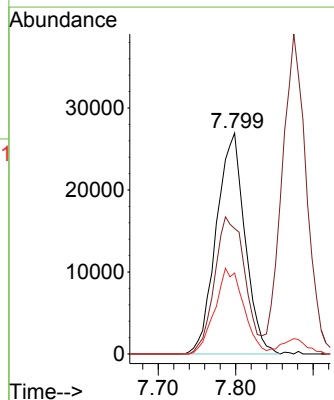
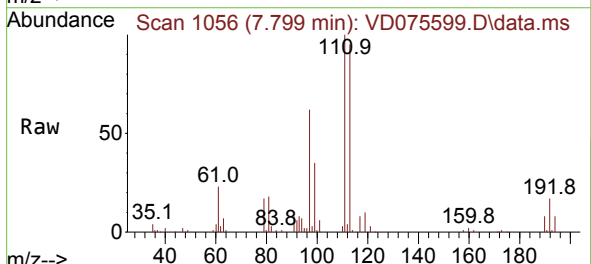


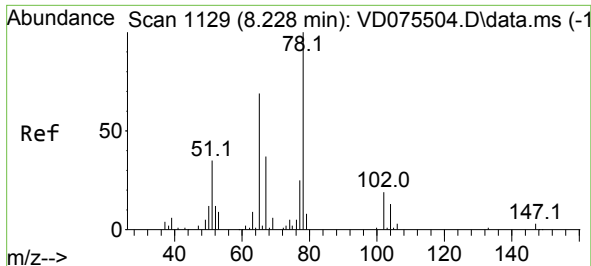
Tgt Ion: 56 Resp: 52193  
Ion Ratio Lower Upper  
56 100  
69 44.7 25.5 38.3#  
84 116.2 69.6 104.4#



#32  
1,1,1-Trichloroethane  
Concen: 21.099 ug/l  
RT: 7.799 min Scan# 1056  
Delta R.T. 0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 97 Resp: 69322  
Ion Ratio Lower Upper  
97 100  
99 65.9 50.5 75.7  
61 38.9 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 59.422 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

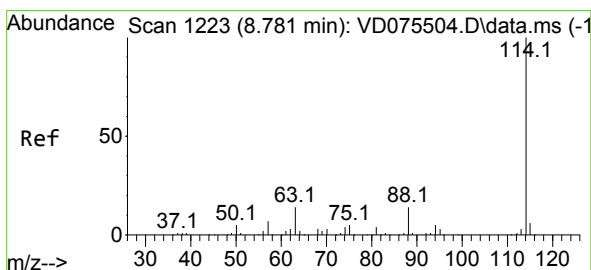
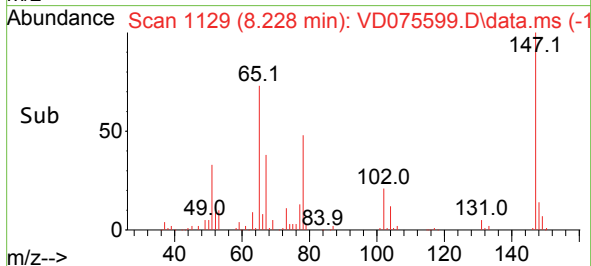
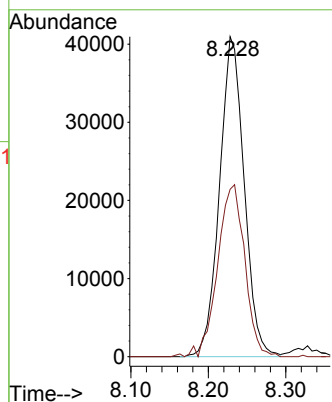
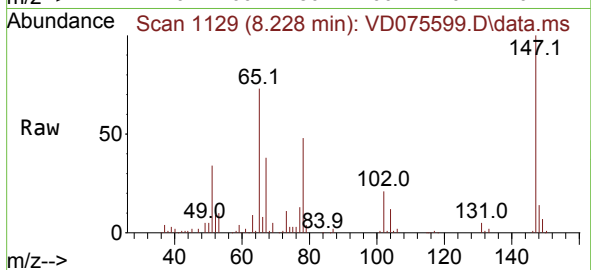
VD0407SBSD01

Tgt Ion: 65 Resp: 90608

Ion Ratio Lower Upper

65 100

67 59.3 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

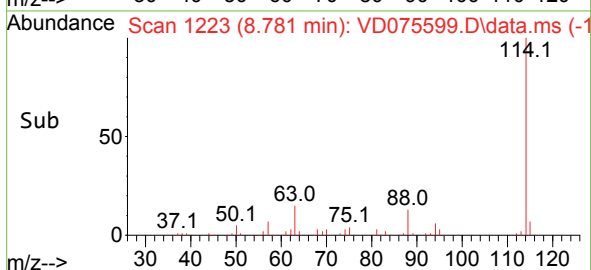
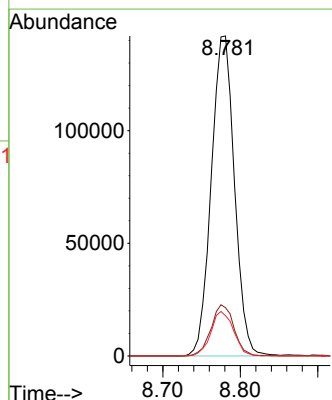
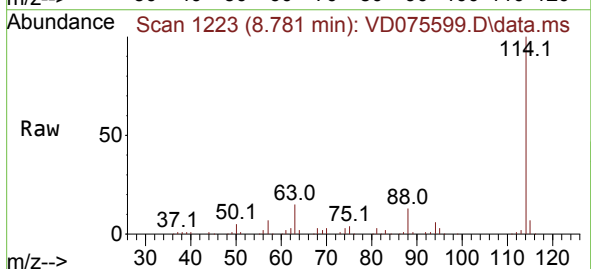
Tgt Ion: 114 Resp: 295229

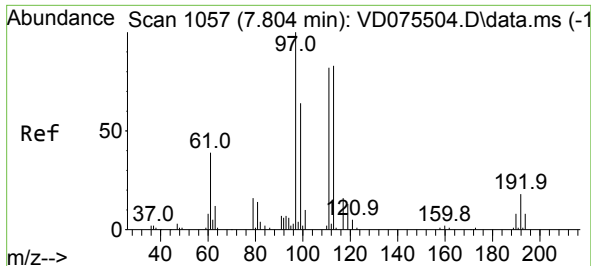
Ion Ratio Lower Upper

114 100

63 15.1 0.0 41.6

88 12.6 0.0 30.6

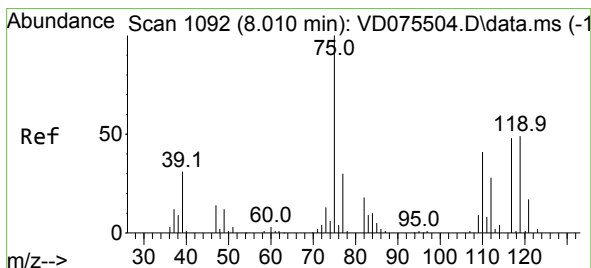
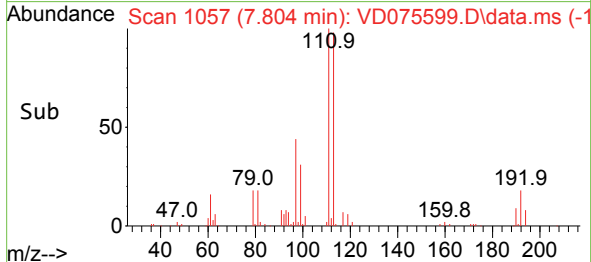
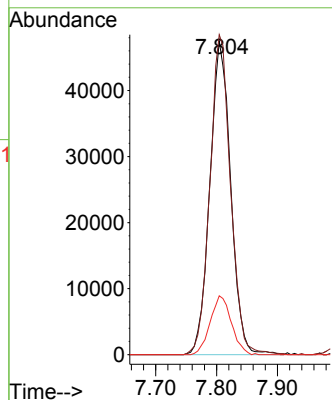
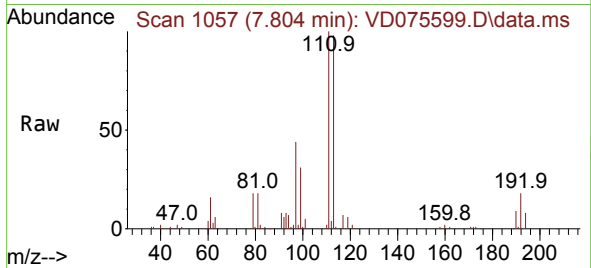




#35  
Dibromofluoromethane  
Concen: 55.862 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

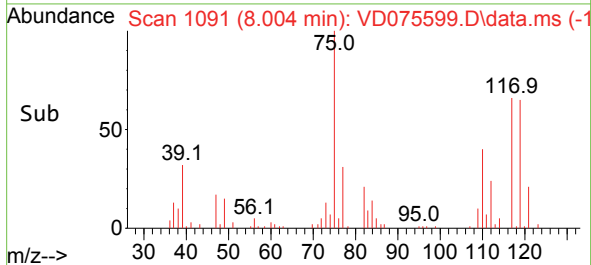
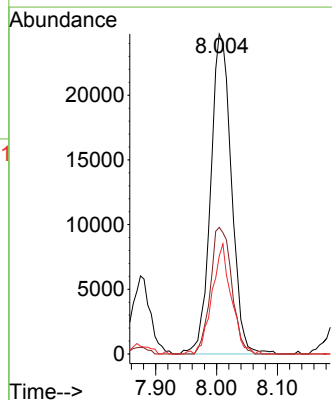
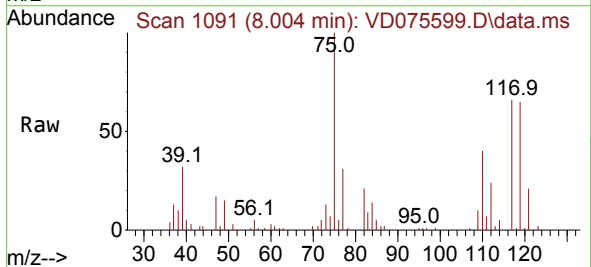
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

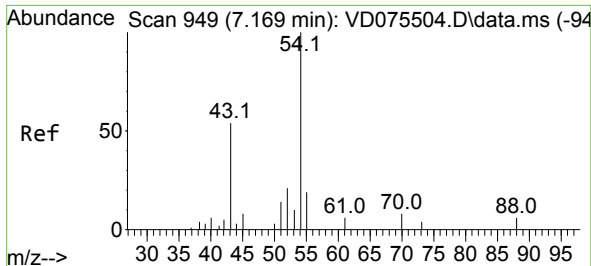
Tgt Ion:113 Resp: 112955  
Ion Ratio Lower Upper  
113 100  
111 101.4 81.4 122.0  
192 19.1 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 19.570 ug/l  
RT: 8.004 min Scan# 1091  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 75 Resp: 58641  
Ion Ratio Lower Upper  
75 100  
110 40.6 17.1 51.2  
77 32.0 24.6 36.8





#37

Ethyl Acetate

Concen: 22.336 ug/l

RT: 7.175 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBS01

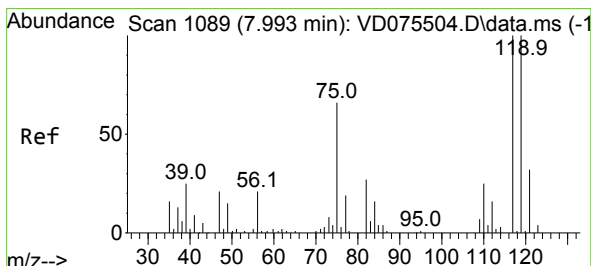
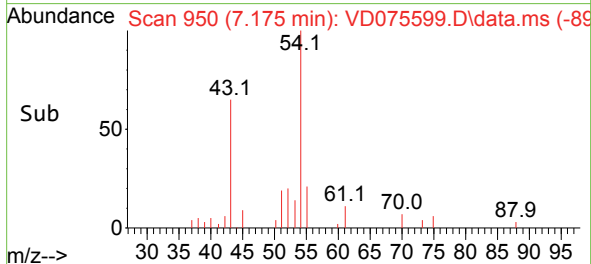
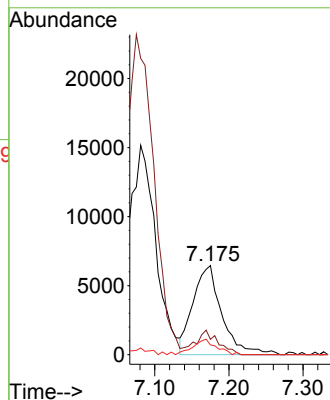
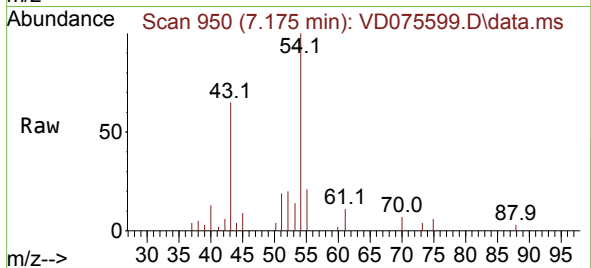
Tgt Ion: 43 Resp: 17439

Ion Ratio Lower Upper

43 100

61 20.9 0.0 0.0#

70 14.0 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 19.136 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

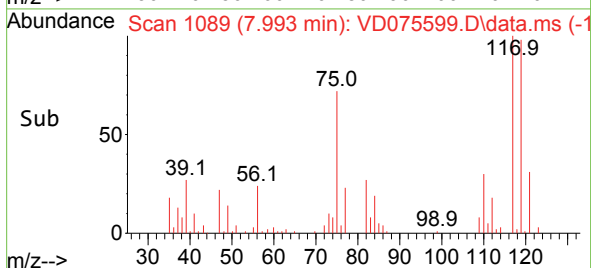
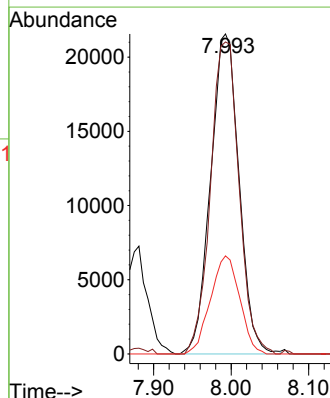
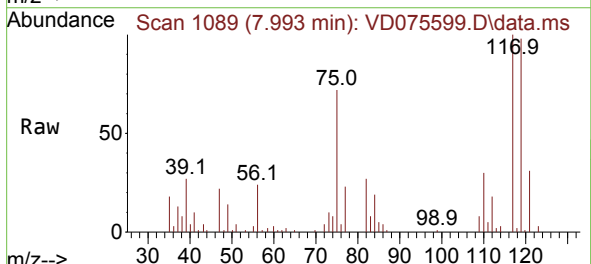
Tgt Ion: 117 Resp: 54944

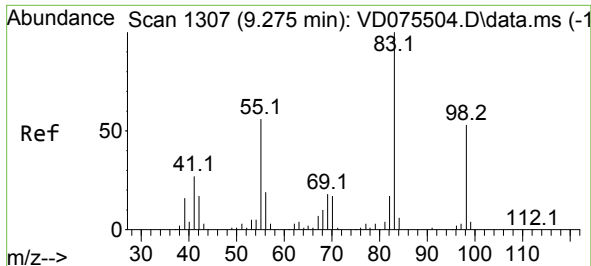
Ion Ratio Lower Upper

117 100

119 97.5 74.7 112.1

121 30.6 25.9 38.9





#39

Methylcyclohexane

Concen: 17.716 ug/l

RT: 9.275 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBSD01

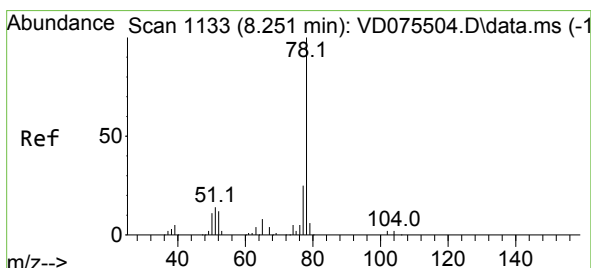
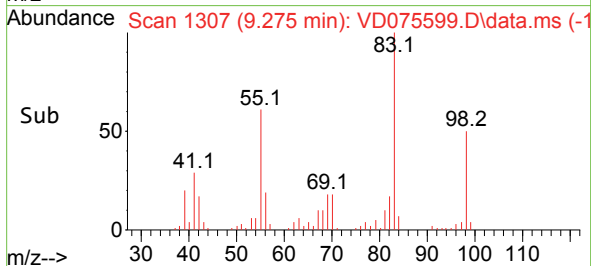
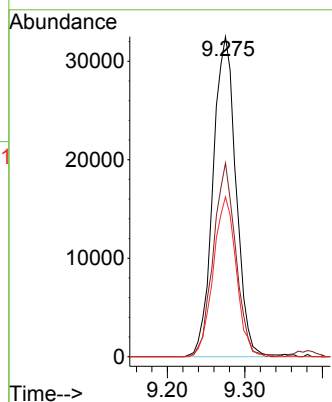
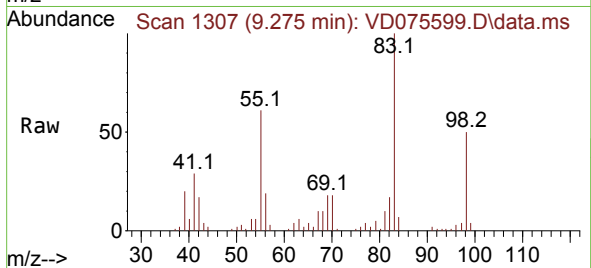
Tgt Ion: 83 Resp: 66931

Ion Ratio Lower Upper

83 100

55 60.5 56.8 85.2

98 50.0 38.9 58.3



#40

Benzene

Concen: 21.499 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VD075599.D

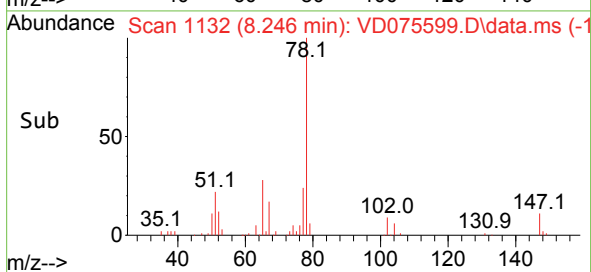
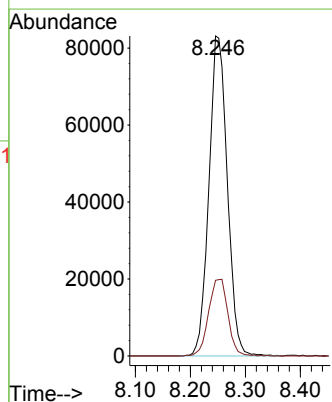
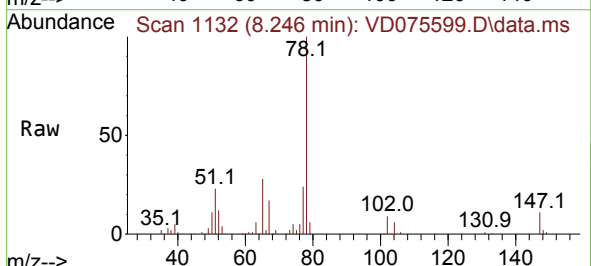
Acq: 07 Apr 2023 14:21

Tgt Ion: 78 Resp: 193065

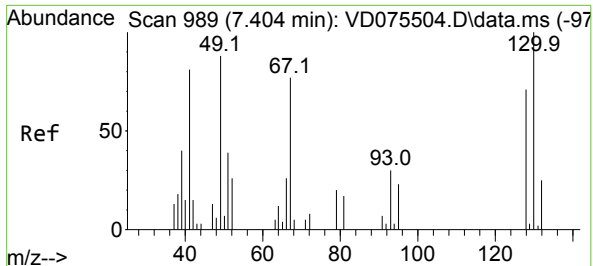
Ion Ratio Lower Upper

78 100

77 23.7 19.1 28.7

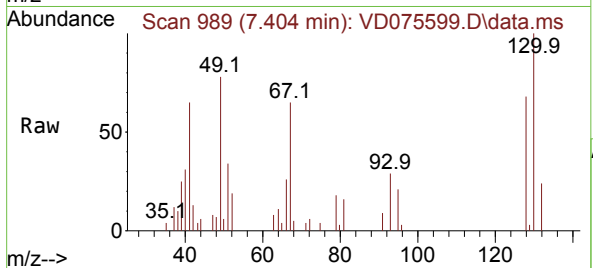




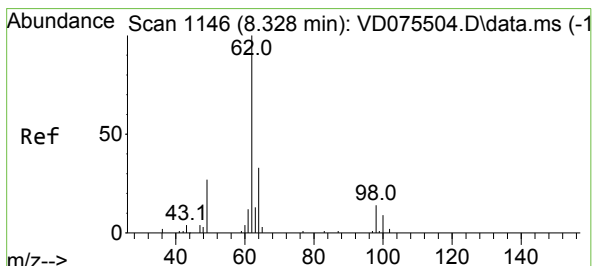
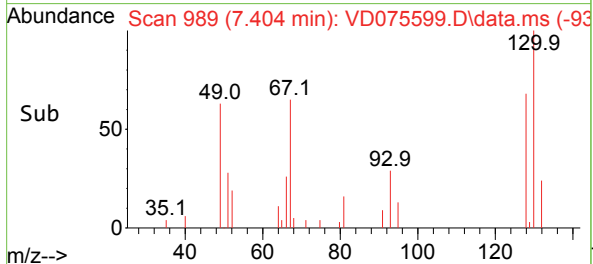
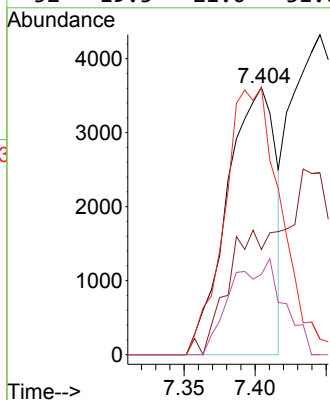


#41  
Methacrylonitrile  
Concen: 20.881 ug/l  
RT: 7.404 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

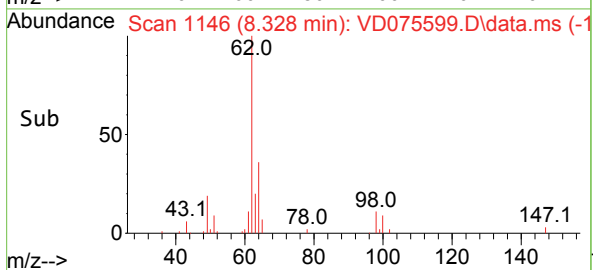
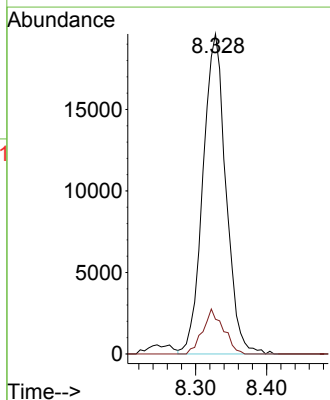
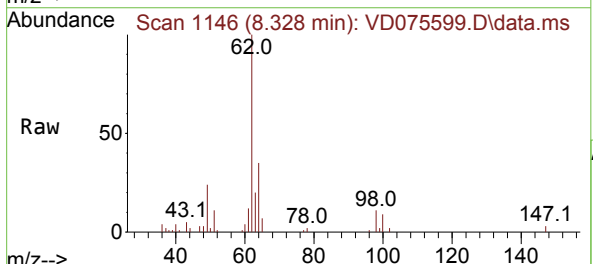


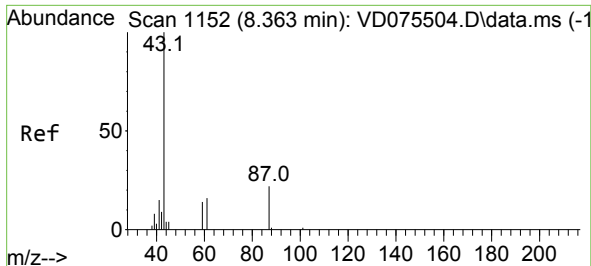
| Tgt Ion: | 41    | Resp: | 8591  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 34.1  | 45.3  | 67.9# |
| 67       | 115.6 | 50.5  | 75.7# |
| 52       | 19.5  | 21.0  | 31.6# |



#42  
1,2-Dichloroethane  
Concen: 22.340 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

| Tgt Ion: | 62    | Resp: | 44160 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 12.6  | 0.0   | 18.8  |

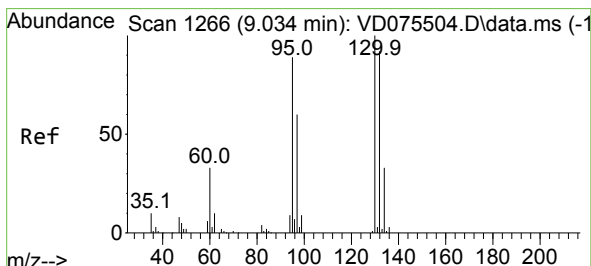
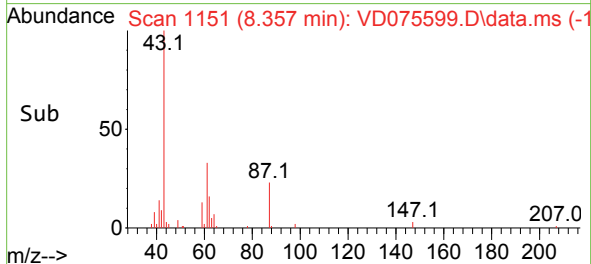
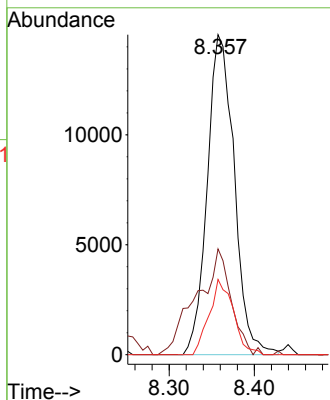
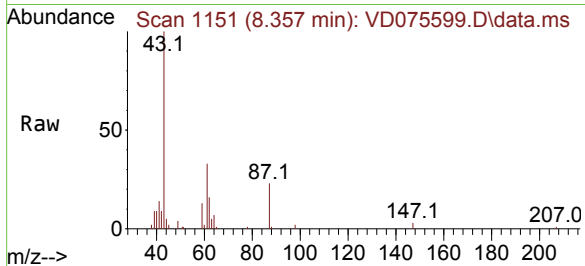




#43  
Isopropyl Acetate  
Concen: 22.159 ug/l  
RT: 8.357 min Scan# 1151  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

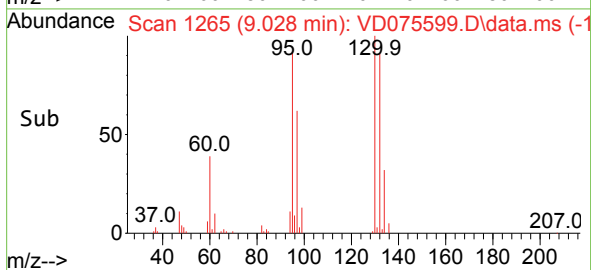
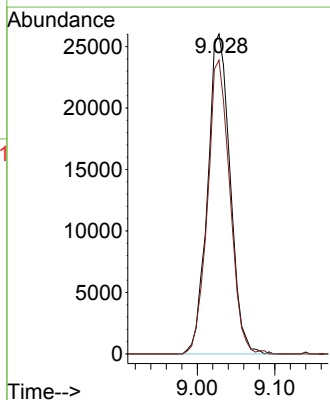
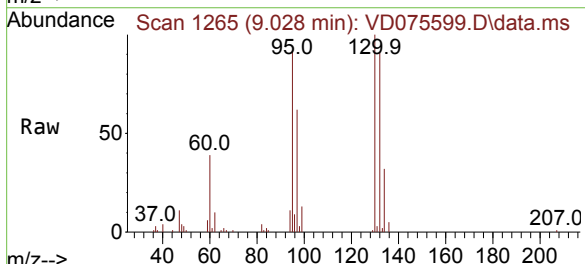
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

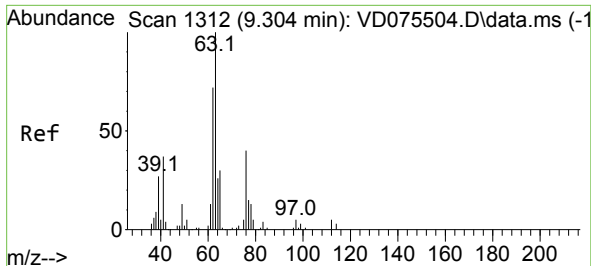
Tgt Ion: 43 Resp: 32013  
Ion Ratio Lower Upper  
43 100  
61 42.4 23.4 35.0#  
87 21.1 9.5 14.3#



#44  
Trichloroethene  
Concen: 19.937 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion:130 Resp: 52619  
Ion Ratio Lower Upper  
130 100  
95 91.8 0.0 197.6





#45

1,2-Dichloropropane

Concen: 21.382 ug/l

RT: 9.310 min Scan# 1313

Delta R.T. 0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

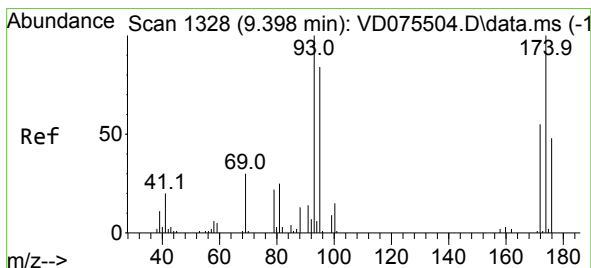
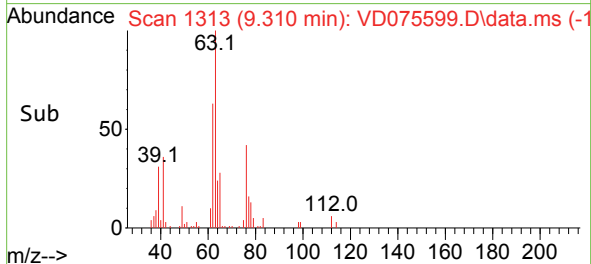
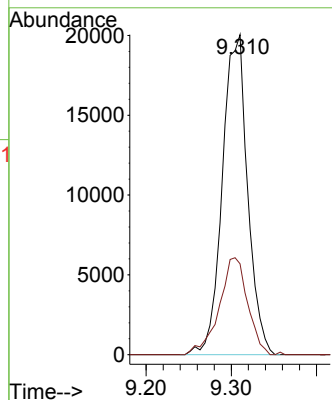
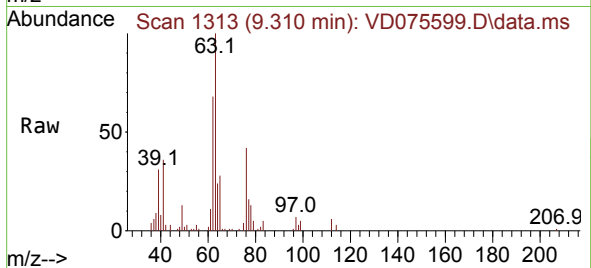
VD0407SBS01

Tgt Ion: 63 Resp: 41278

Ion Ratio Lower Upper

63 100

65 28.4 23.0 34.4



#46

Dibromomethane

Concen: 21.876 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

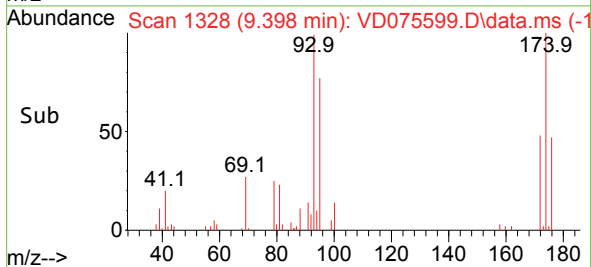
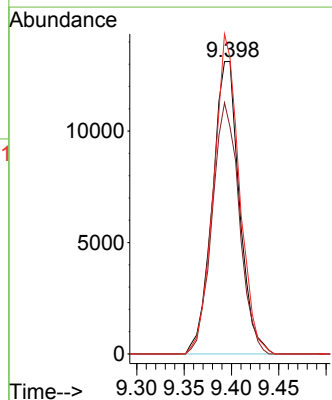
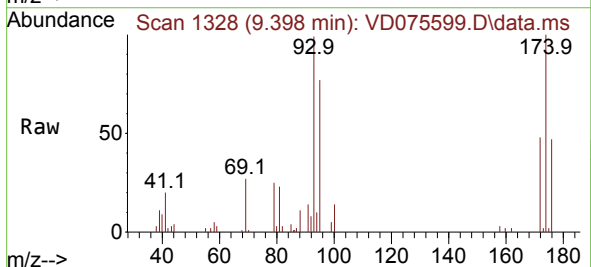
Tgt Ion: 93 Resp: 26029

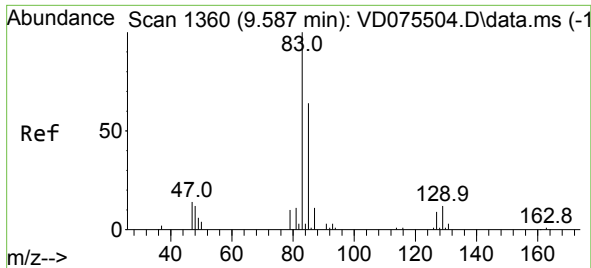
Ion Ratio Lower Upper

93 100

95 86.1 64.5 96.7

174 104.0 76.2 114.4

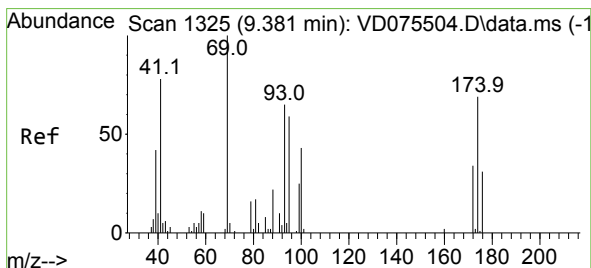
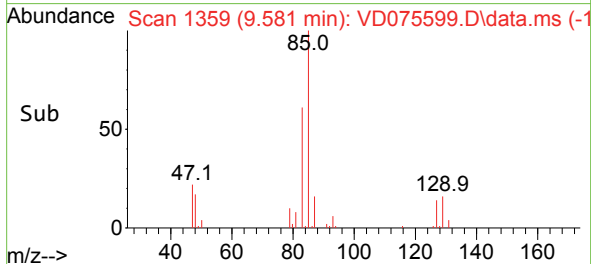
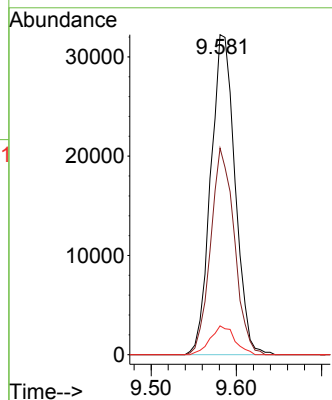
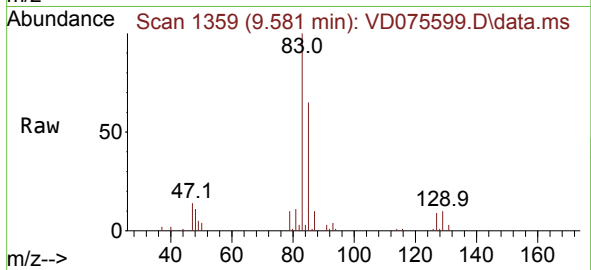




#47  
Bromodichloromethane  
Concen: 22.124 ug/l  
RT: 9.581 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

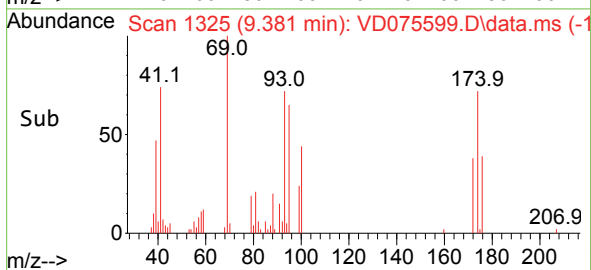
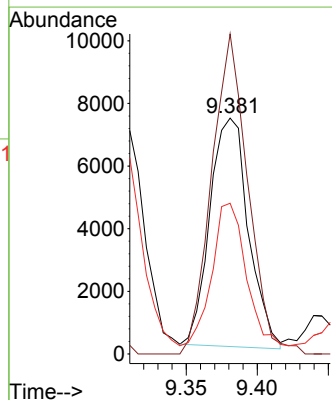
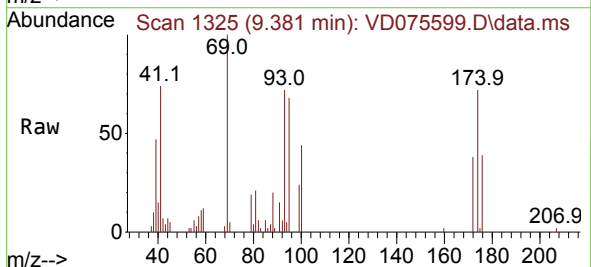
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

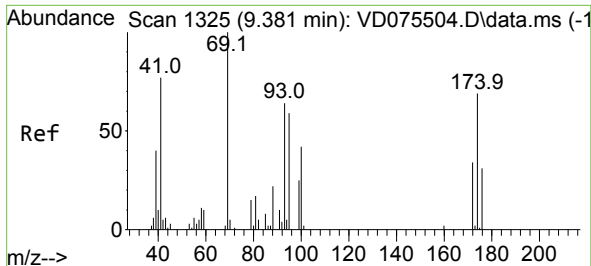
|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 63744 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 64.5     | 53.7 80.5   |
| 127 9.0     | 7.0 10.6    |



#48  
Methyl methacrylate  
Concen: 20.289 ug/l  
RT: 9.381 min Scan# 1325  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 13770 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 131.8    | 58.6 88.0#  |
| 39 56.9     | 53.4 80.0   |





#49

1,4-Dioxane

Concen: 434.794 ug/l

RT: 9.387 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBSD01

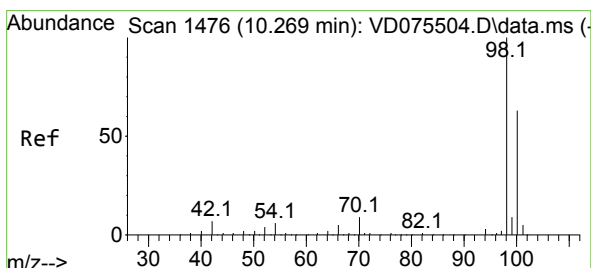
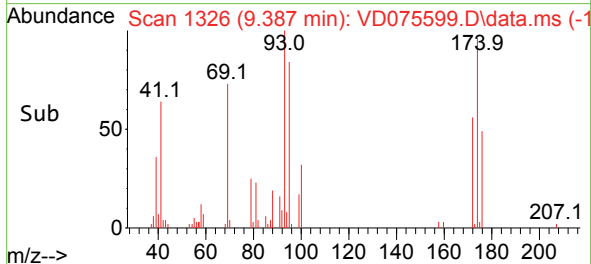
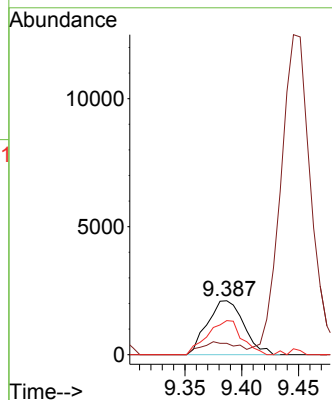
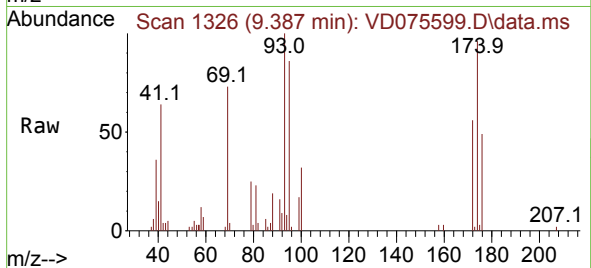
Tgt Ion: 88 Resp: 4693

Ion Ratio Lower Upper

88 100

43 24.1 34.6 51.8#

58 59.7 58.0 87.0



#50

Toluene-d8

Concen: 56.130 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075599.D

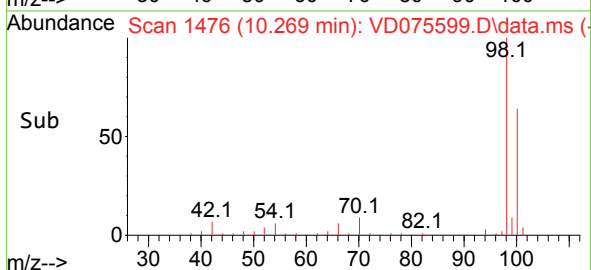
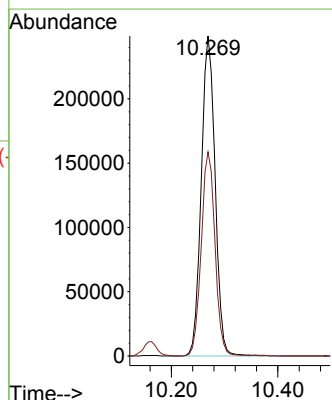
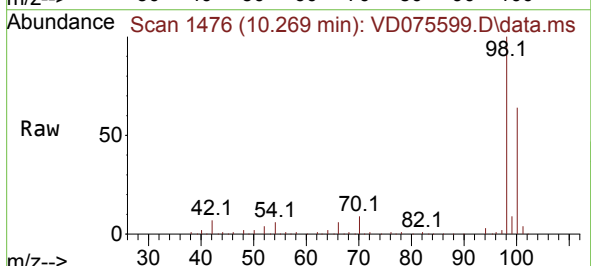
Acq: 07 Apr 2023 14:21

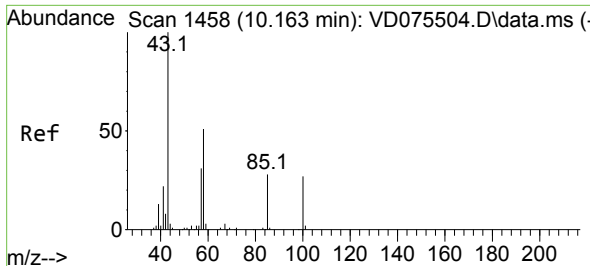
Tgt Ion: 98 Resp: 448357

Ion Ratio Lower Upper

98 100

100 63.5 52.1 78.1

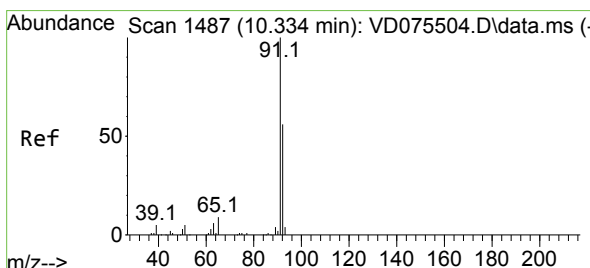
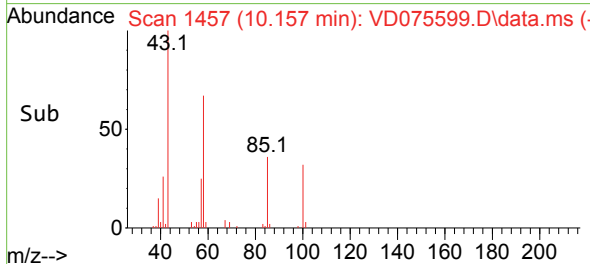
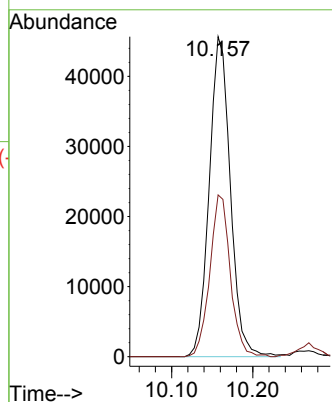
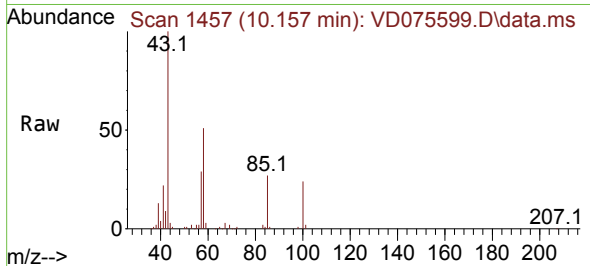




#51  
4-Methyl-2-Pentanone  
Concen: 109.792 ug/l  
RT: 10.157 min Scan# 1457  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

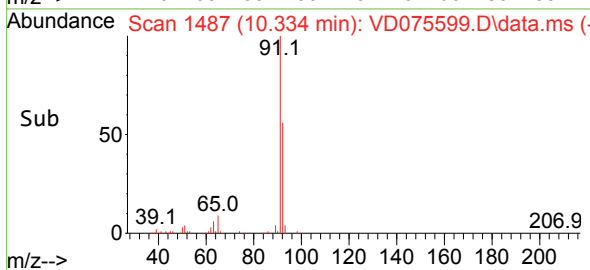
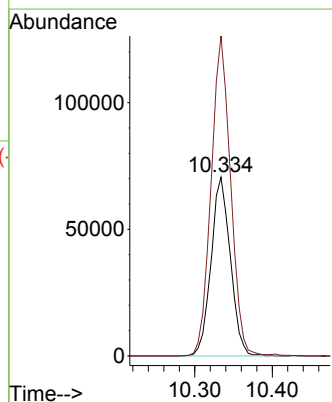
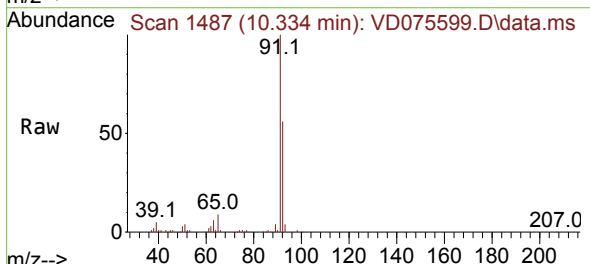
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

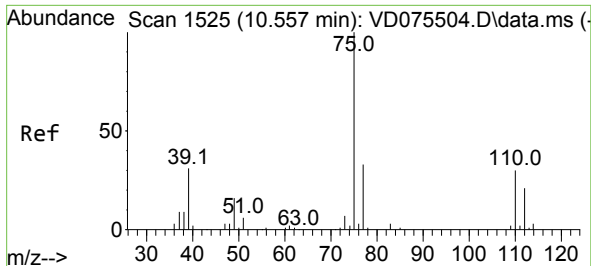
Tgt Ion: 43 Resp: 82491  
Ion Ratio Lower Upper  
43 100  
58 49.1 29.5 44.3#



#52  
Toluene  
Concen: 20.960 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 92 Resp: 121971  
Ion Ratio Lower Upper  
92 100  
91 180.8 136.5 204.7

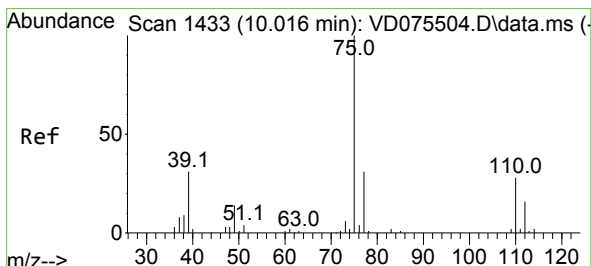
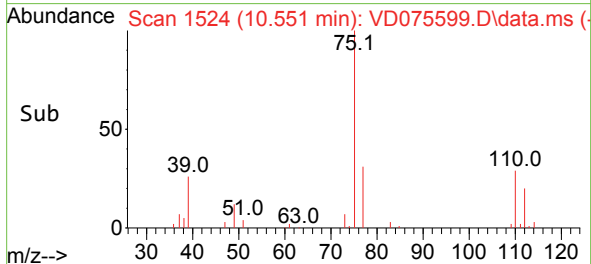
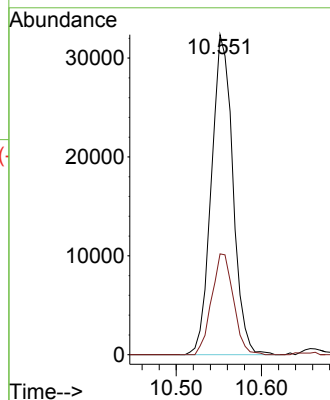
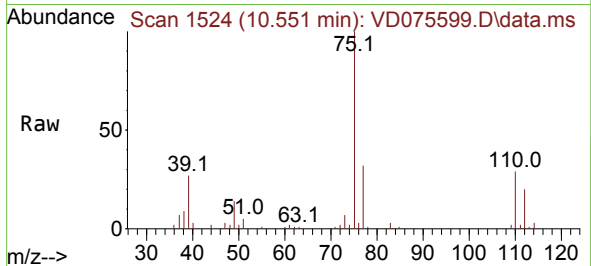




#53  
 t-1,3-Dichloropropene  
 Concen: 21.813 ug/l  
 RT: 10.551 min Scan# 11  
 Delta R.T. -0.006 min  
 Lab File: VD075599.D  
 Acq: 07 Apr 2023 14:21

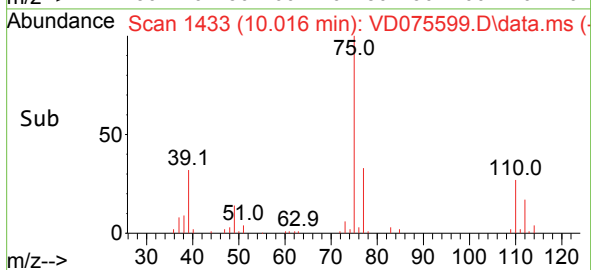
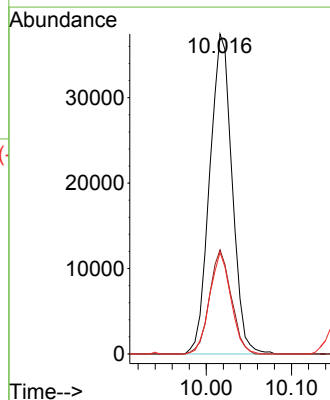
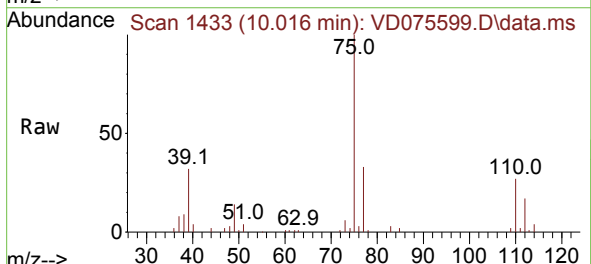
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0407SBS01

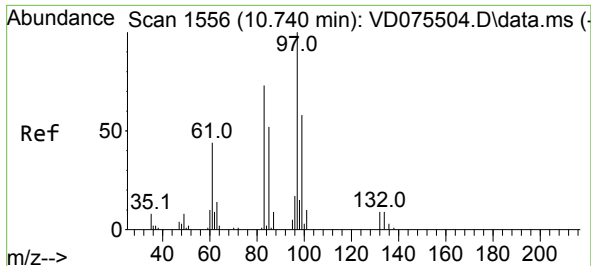
Tgt Ion: 75 Resp: 56536  
 Ion Ratio Lower Upper  
 75 100  
 77 31.5 26.3 39.5



#54  
 cis-1,3-Dichloropropene  
 Concen: 21.460 ug/l  
 RT: 10.016 min Scan# 1433  
 Delta R.T. -0.000 min  
 Lab File: VD075599.D  
 Acq: 07 Apr 2023 14:21

Tgt Ion: 75 Resp: 68309  
 Ion Ratio Lower Upper  
 75 100  
 77 32.5 25.6 38.4  
 39 31.8 44.8 67.2#

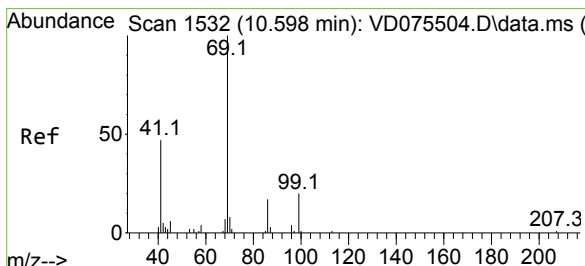
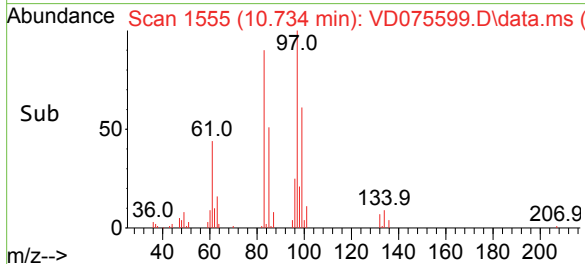
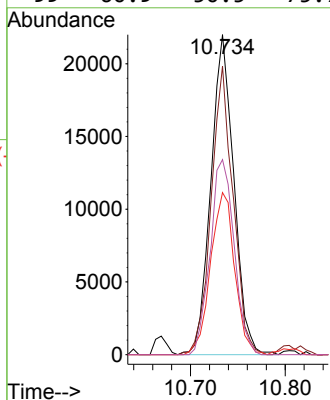
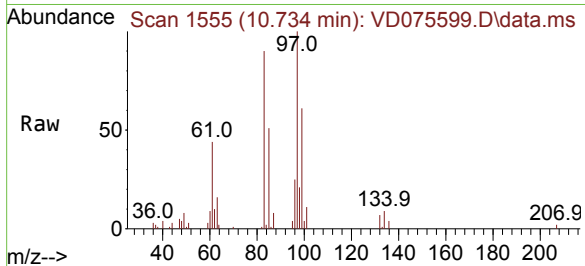




#55  
1,1,2-Trichloroethane  
Concen: 21.987 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

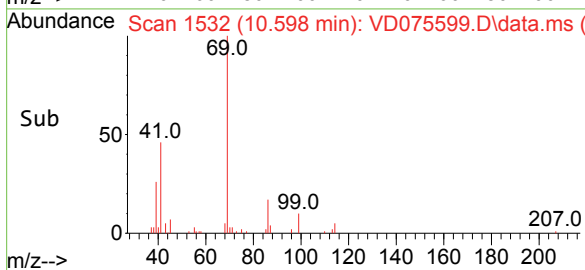
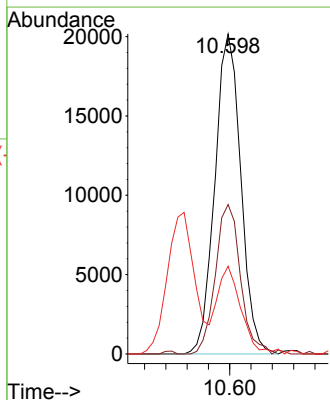
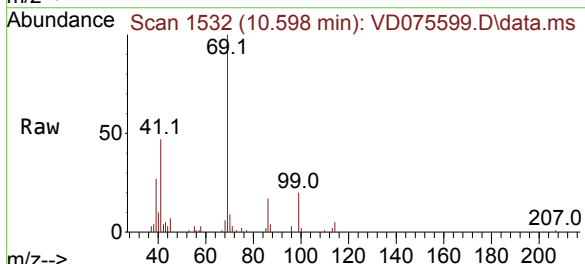
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 37035 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.2  | 74.2  | 111.4 |
| 85       | 50.7  | 45.4  | 68.0  |
| 99       | 60.9  | 50.5  | 75.7  |

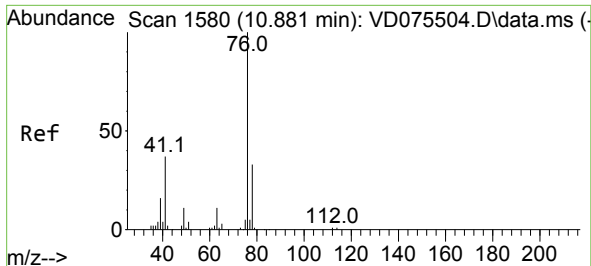


#56  
Ethyl methacrylate  
Concen: 21.257 ug/l  
RT: 10.598 min Scan# 1532  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 34091 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 45.5  | 59.3  | 88.9# |
| 39       | 25.1  | 36.0  | 54.0# |







#57

1,3-Dichloropropane

Concen: 21.573 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

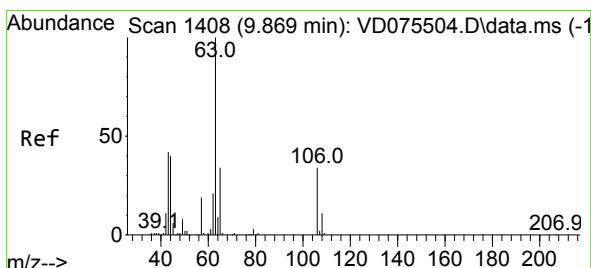
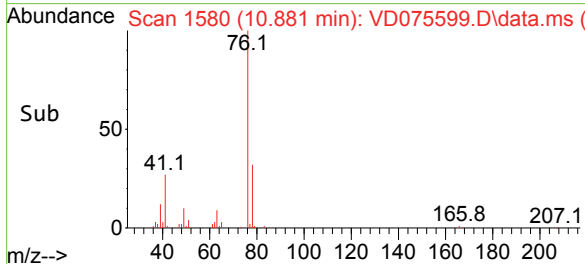
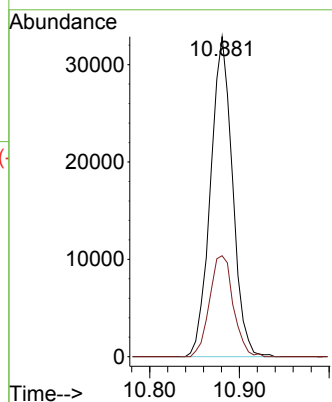
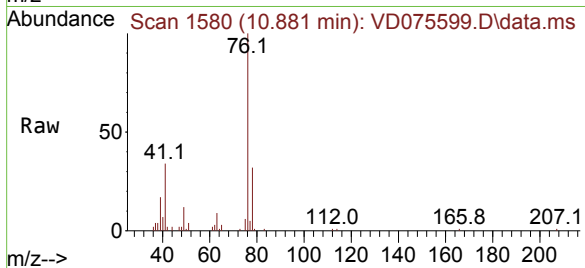
VD0407SBSD01

Tgt Ion: 76 Resp: 55921

Ion Ratio Lower Upper

76 100

78 34.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 108.773 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD075599.D

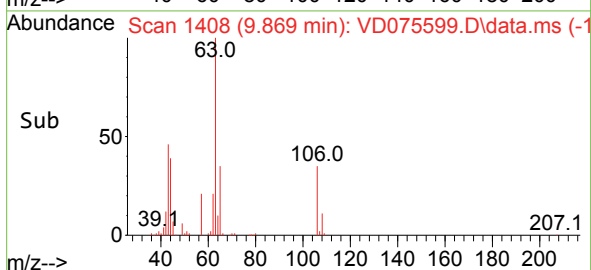
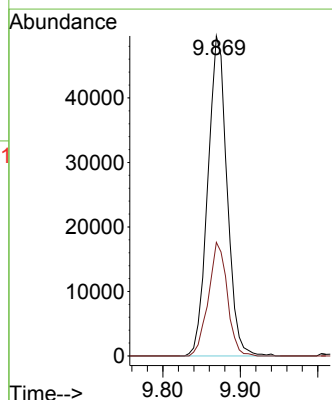
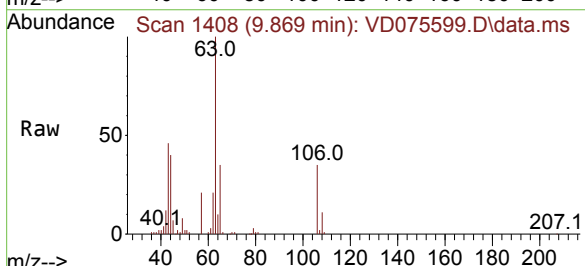
Acq: 07 Apr 2023 14:21

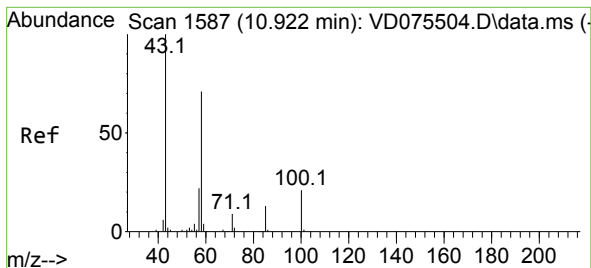
Tgt Ion: 63 Resp: 85375

Ion Ratio Lower Upper

63 100

106 34.8 21.4 32.2#

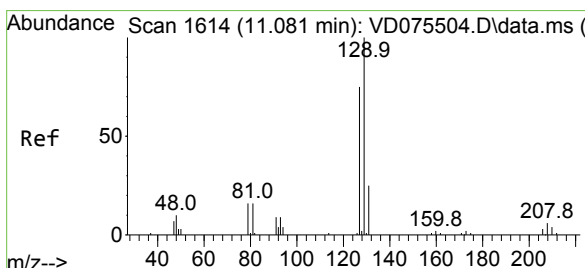
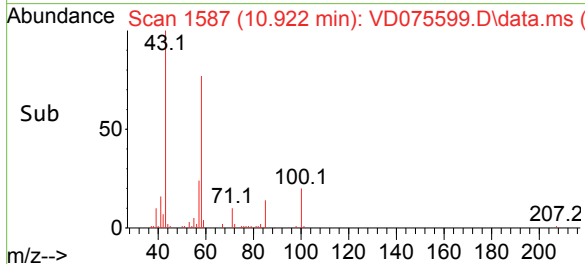
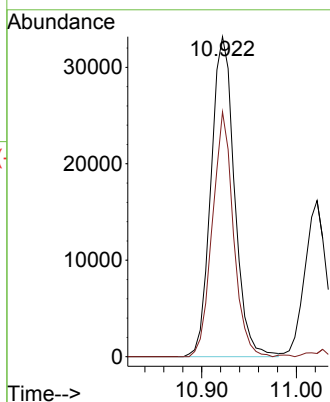
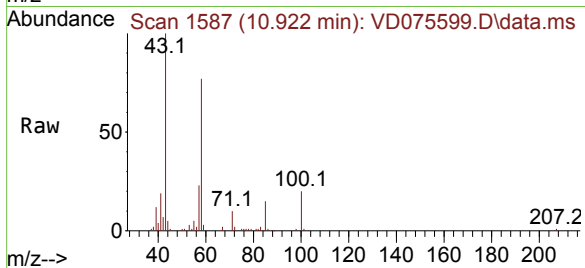




#59  
2-Hexanone  
Concen: 107.477 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

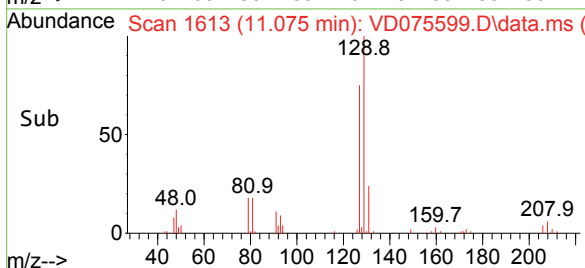
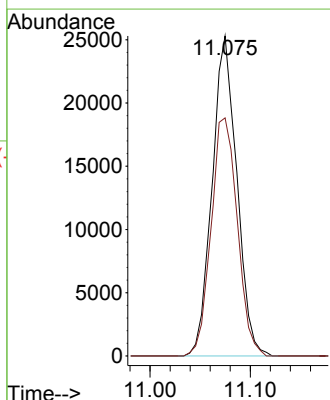
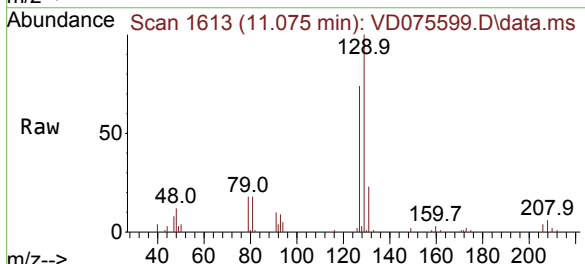
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

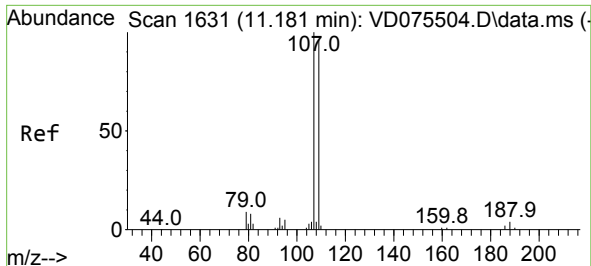
Tgt Ion: 43 Resp: 57106  
Ion Ratio Lower Upper  
43 100  
58 68.4 25.3 75.8



#60  
Dibromochloromethane  
Concen: 21.722 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 129 Resp: 43228  
Ion Ratio Lower Upper  
129 100  
127 78.9 38.1 114.5

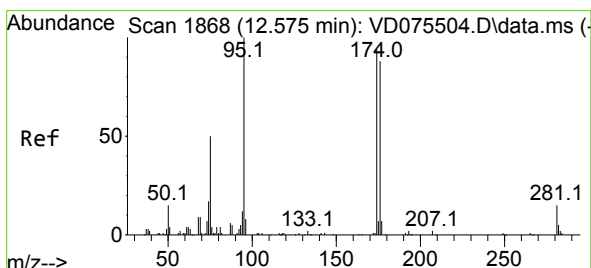
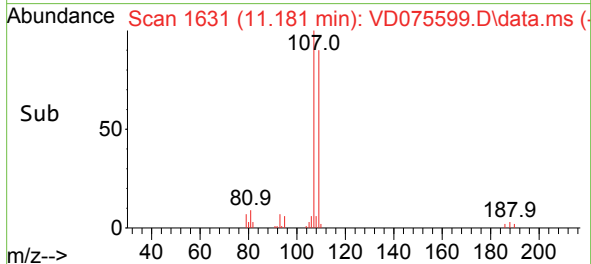
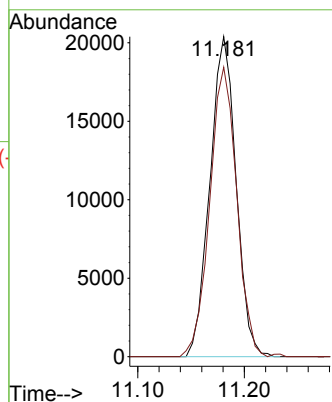
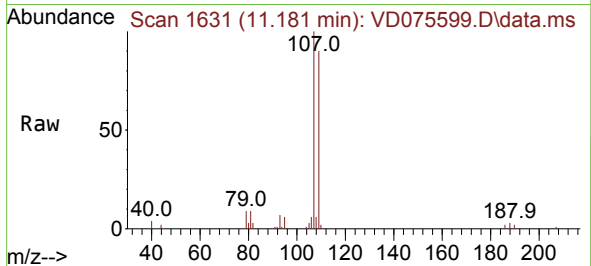




#61  
1,2-Dibromoethane  
Concen: 21.959 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

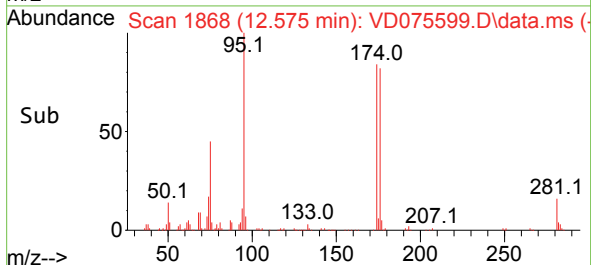
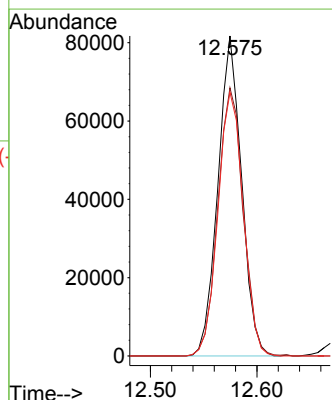
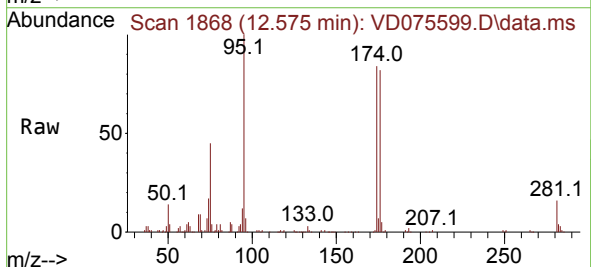
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

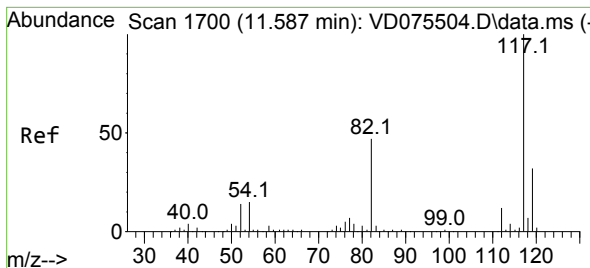
Tgt Ion:107 Resp: 34835  
Ion Ratio Lower Upper  
107 100  
109 92.8 73.6 110.4



#62  
4-Bromofluorobenzene  
Concen: 54.516 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 95 Resp: 125887  
Ion Ratio Lower Upper  
95 100  
174 89.8 0.0 164.0  
176 88.2 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.587 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBSD01

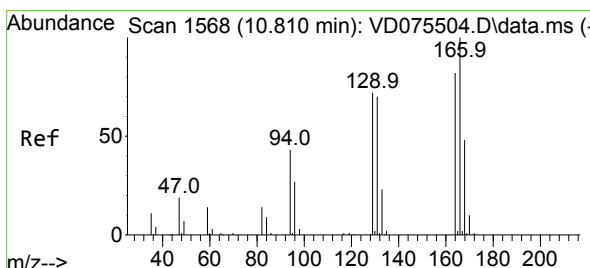
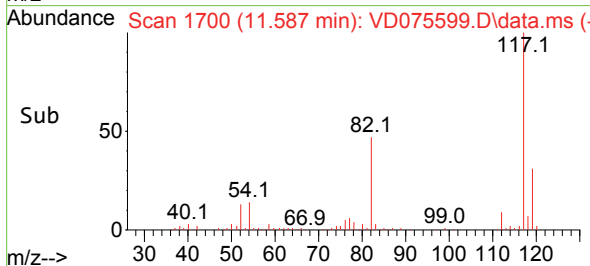
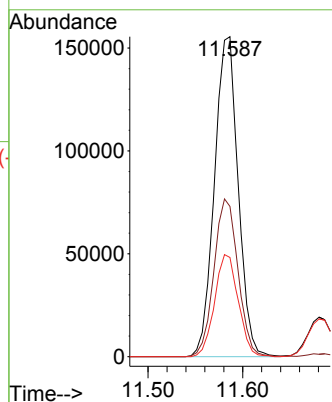
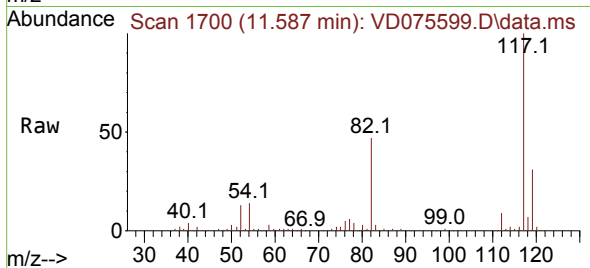
Tgt Ion:117 Resp: 270804

Ion Ratio Lower Upper

117 100

82 47.0 44.0 66.0

119 31.0 25.1 37.7



#64

Tetrachloroethene

Concen: 20.027 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Tgt Ion:164 Resp: 42801

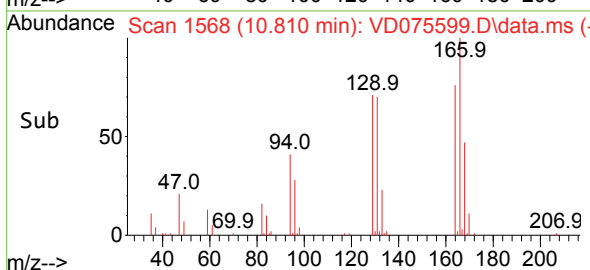
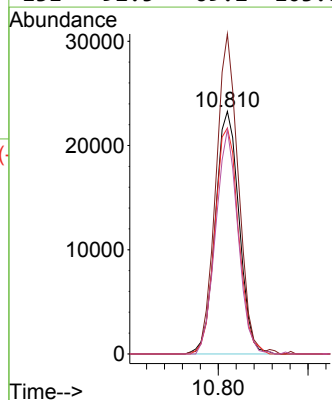
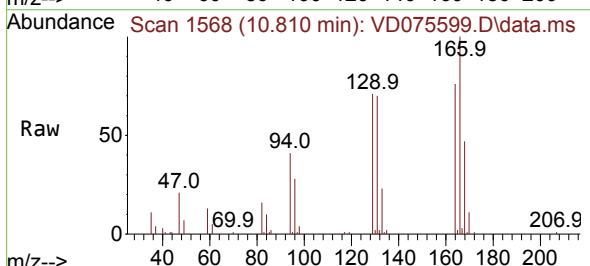
Ion Ratio Lower Upper

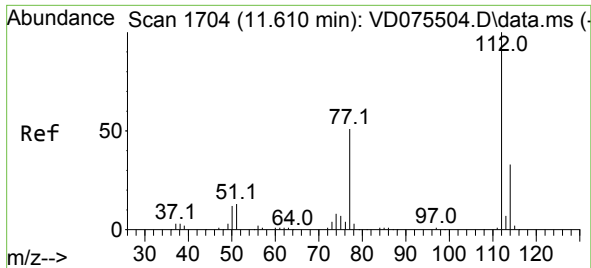
164 100

166 131.9 94.9 142.3

129 93.1 73.0 109.6

131 92.5 69.2 103.8

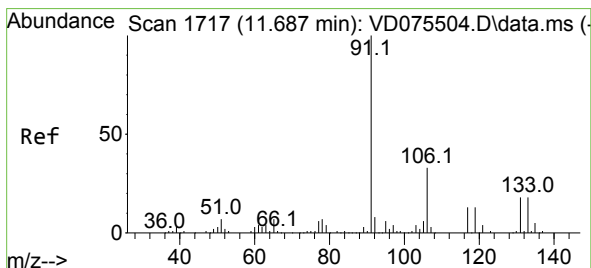
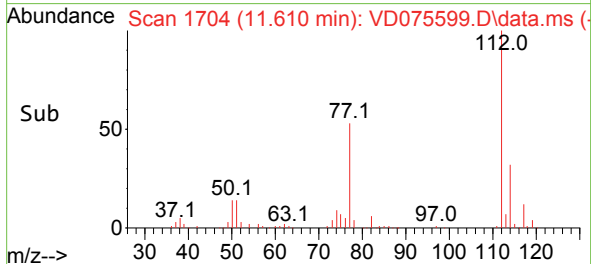
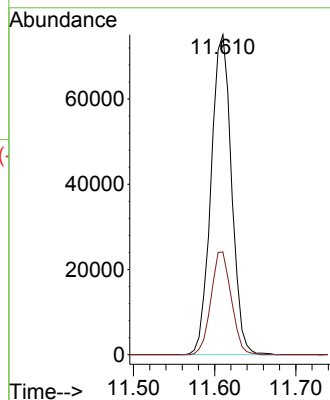
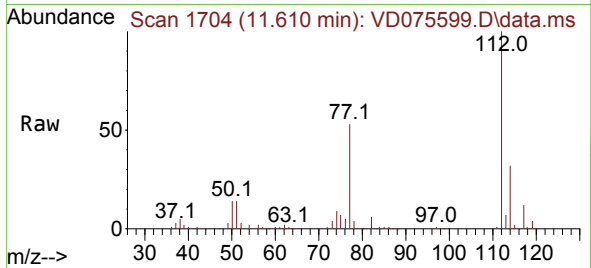




#65  
Chlorobenzene  
Concen: 20.535 ug/l  
RT: 11.610 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

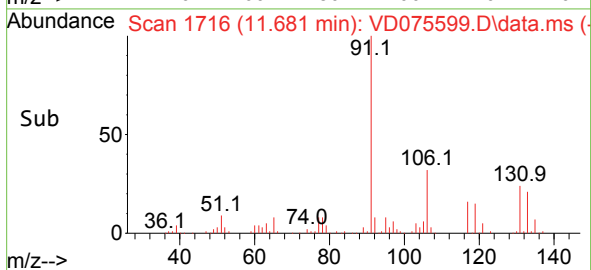
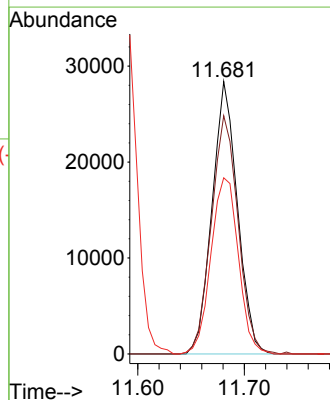
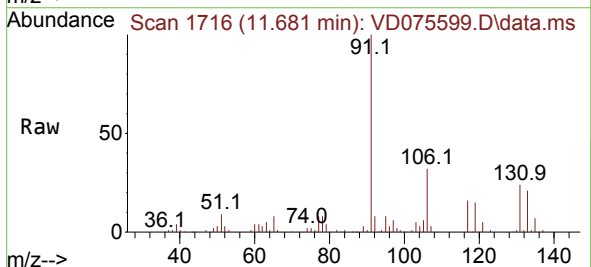
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

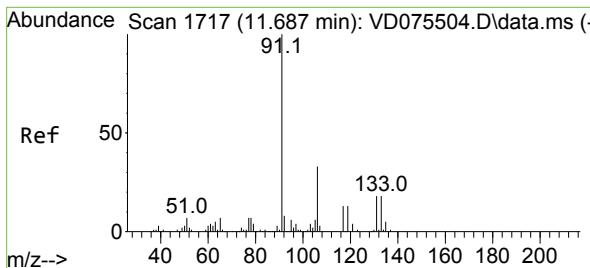
Tgt Ion:112 Resp: 131886  
Ion Ratio Lower Upper  
112 100  
114 32.1 25.8 38.8



#66  
1,1,1,2-Tetrachloroethane  
Concen: 21.349 ug/l  
RT: 11.681 min Scan# 1716  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion:131 Resp: 46974  
Ion Ratio Lower Upper  
131 100  
133 92.4 46.7 140.0  
119 69.9 31.9 95.9

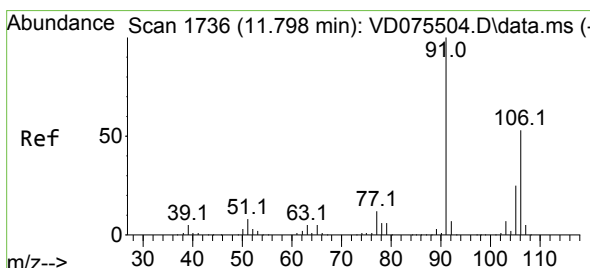
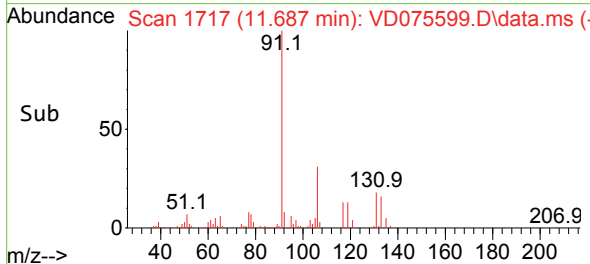
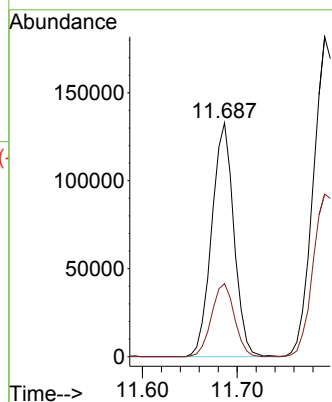
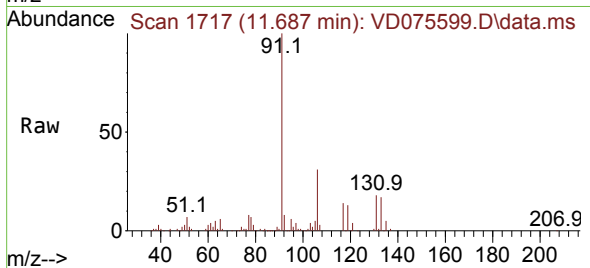




#67  
Ethyl Benzene  
Concen: 19.481 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

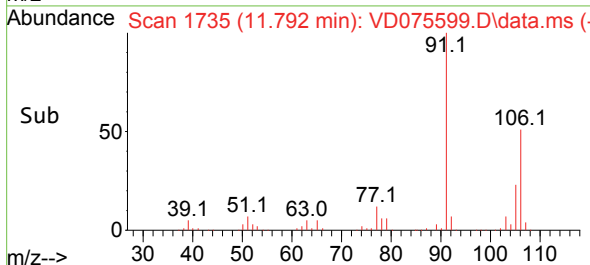
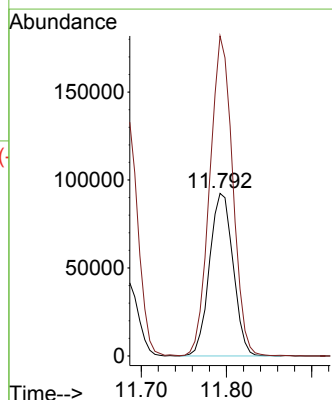
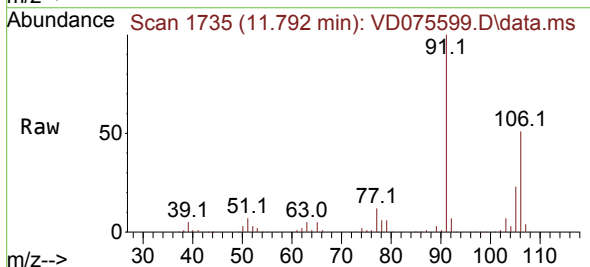
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

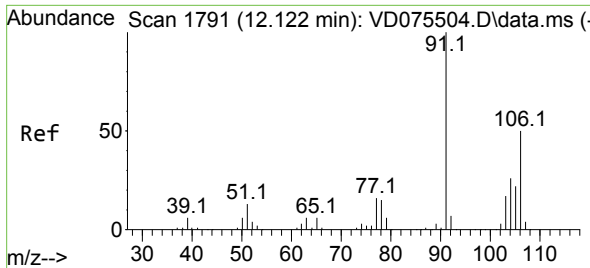
Tgt Ion: 91 Resp: 215471  
Ion Ratio Lower Upper  
91 100  
106 31.3 24.5 36.7



#68  
m/p-Xylenes  
Concen: 40.018 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 106 Resp: 177901  
Ion Ratio Lower Upper  
106 100  
91 191.4 161.5 242.3

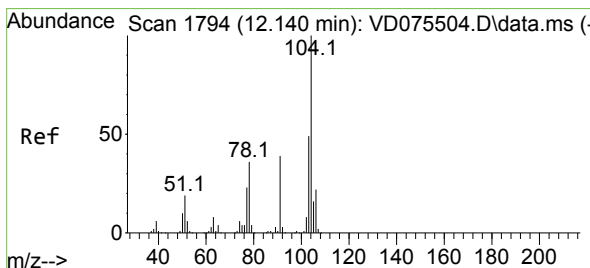
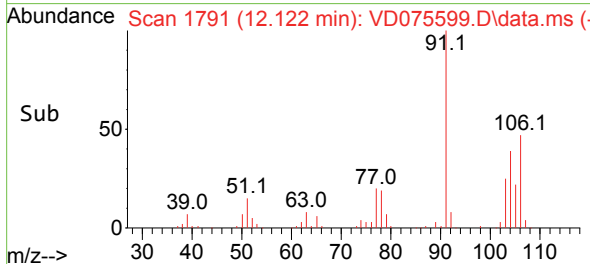
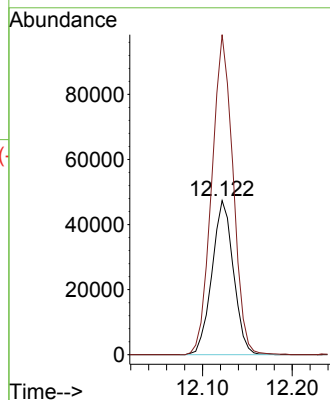
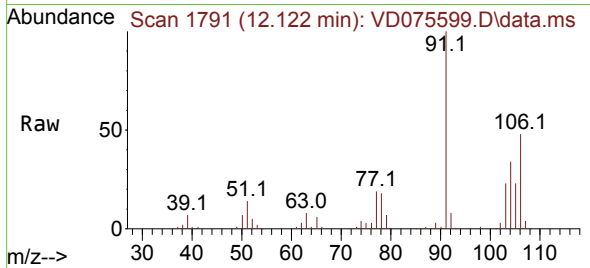




#69  
o-Xylene  
Concen: 19.067 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

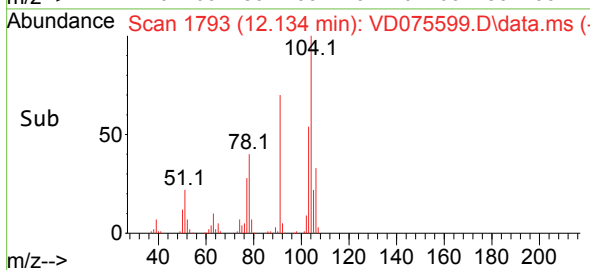
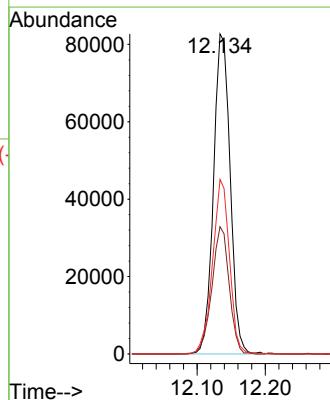
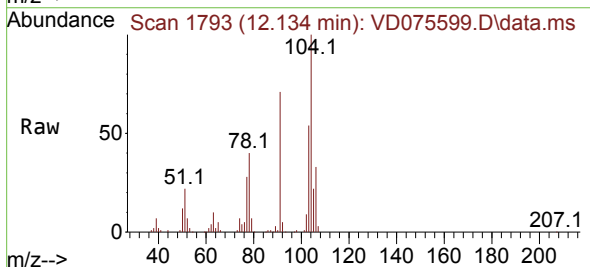
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

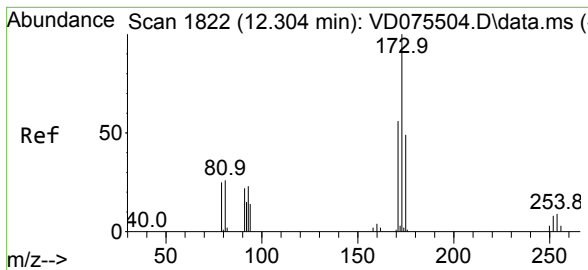
Tgt Ion:106 Resp: 78720  
Ion Ratio Lower Upper  
106 100  
91 206.0 105.7 317.1



#70  
Styrene  
Concen: 20.529 ug/l  
RT: 12.134 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion:104 Resp: 140983  
Ion Ratio Lower Upper  
104 100  
78 41.0 40.2 60.4  
103 55.1 44.2 66.2





#71

Bromoform

Concen: 21.615 ug/l

RT: 12.304 min Scan# 1822

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBSD01

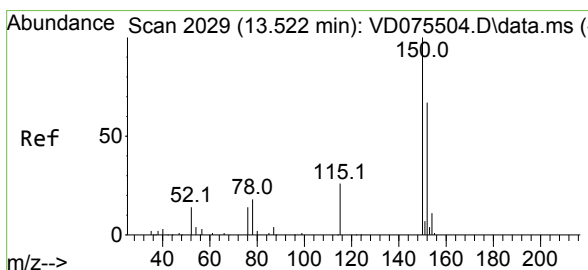
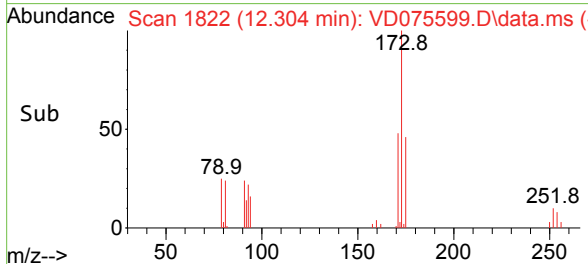
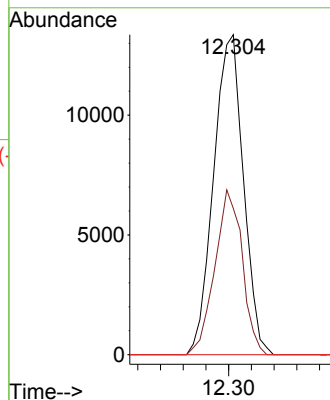
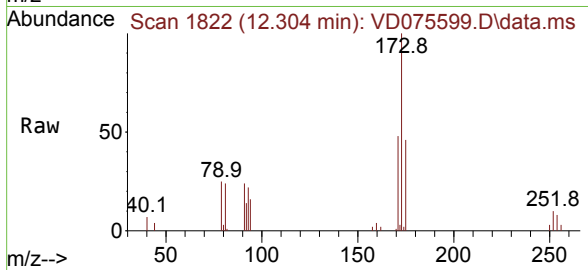
Tgt Ion:173 Resp: 24284

Ion Ratio Lower Upper

173 100

175 47.4 23.5 70.5

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

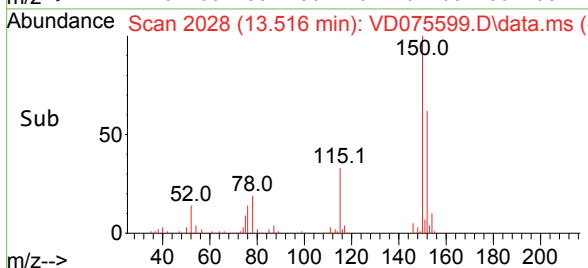
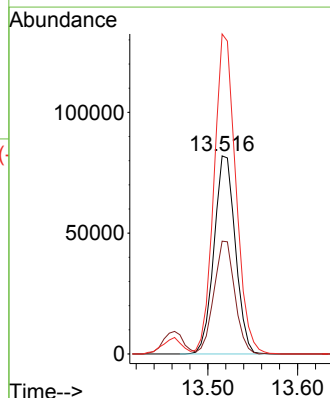
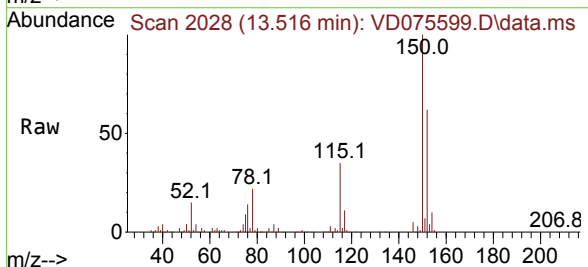
Tgt Ion:152 Resp: 135543

Ion Ratio Lower Upper

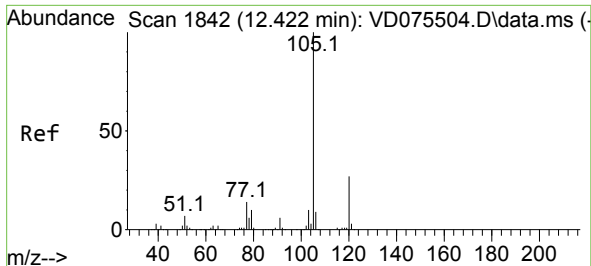
152 100

115 55.6 30.1 90.3

150 164.9 0.0 364.8



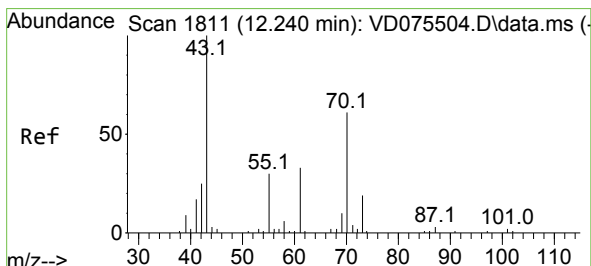
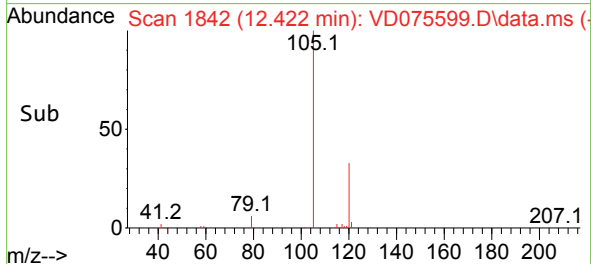
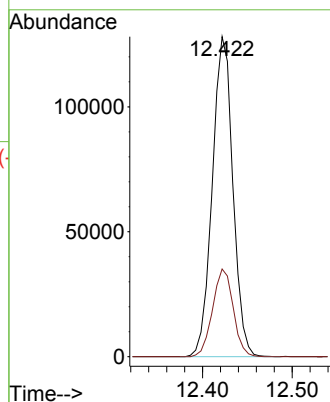
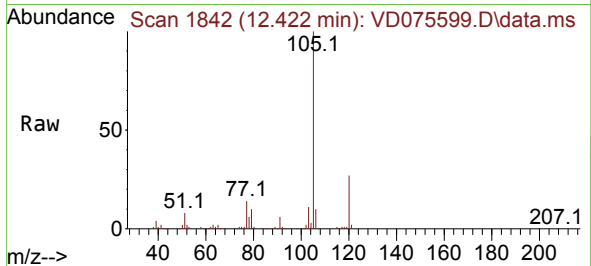




#73  
Isopropylbenzene  
Concen: 18.776 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

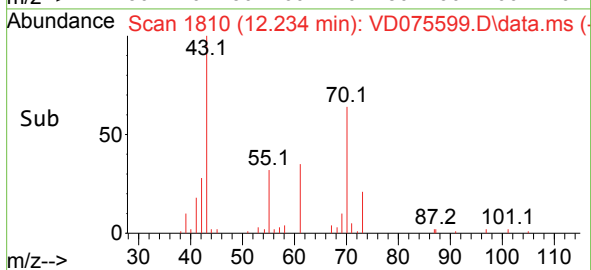
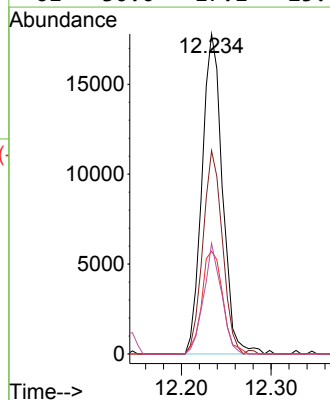
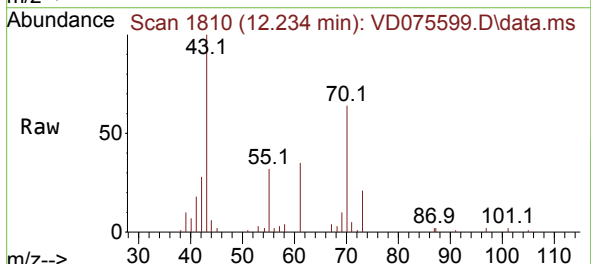
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

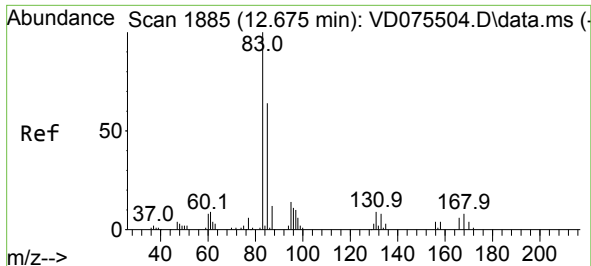
Tgt Ion:105 Resp: 203802  
Ion Ratio Lower Upper  
105 100  
120 27.4 13.4 40.1



#74  
N-ethyl acetate  
Concen: 21.004 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 43 Resp: 28242  
Ion Ratio Lower Upper  
43 100  
70 60.9 31.0 46.4#  
55 32.9 18.6 28.0#  
61 30.0 17.1 25.7#

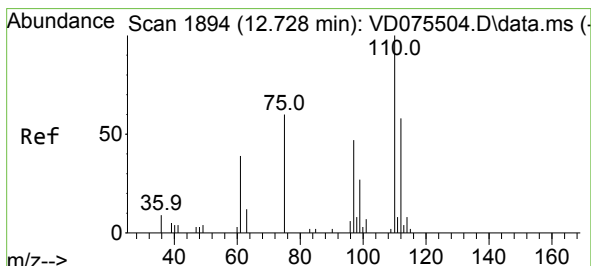
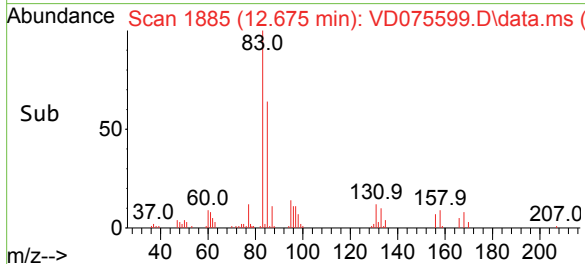
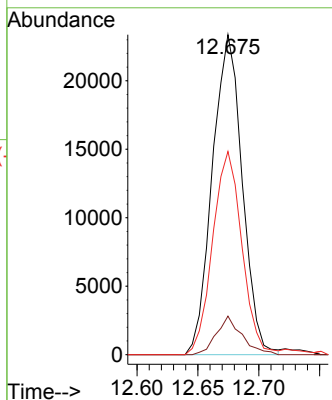
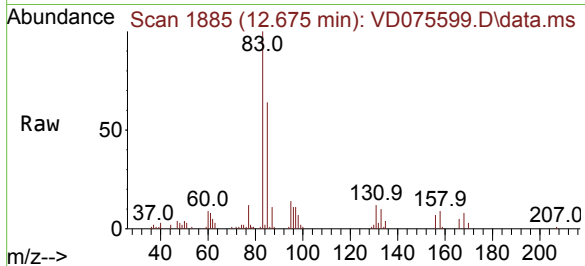




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.671 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

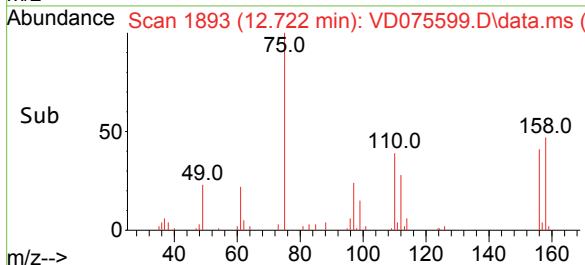
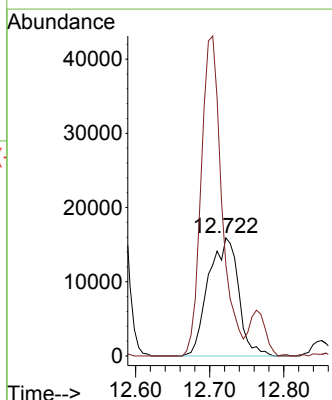
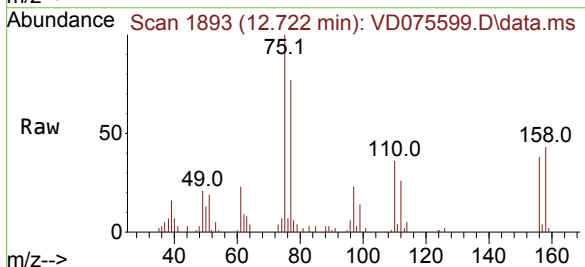
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

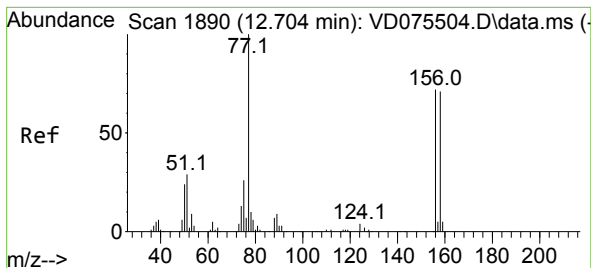
Tgt Ion: 83 Resp: 39894  
Ion Ratio Lower Upper  
83 100  
131 10.3 5.1 15.2  
85 62.1 33.6 100.6



#76  
1,2,3-Trichloropropane  
Concen: 40.273 ug/l  
RT: 12.722 min Scan# 1893  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 75 Resp: 44769  
Ion Ratio Lower Upper  
75 100  
77 186.8 0.0 0.0#





#77

Bromobenzene

Concen: 19.977 ug/l

RT: 12.704 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBSD01

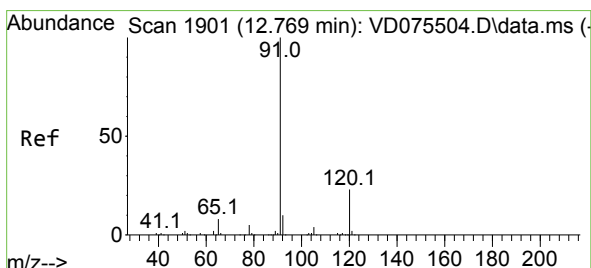
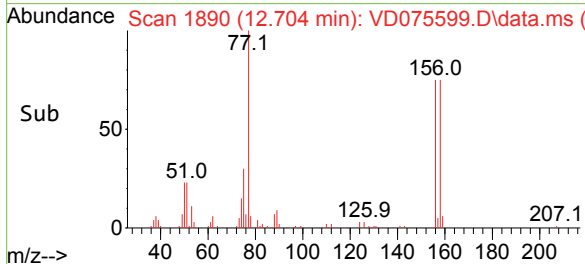
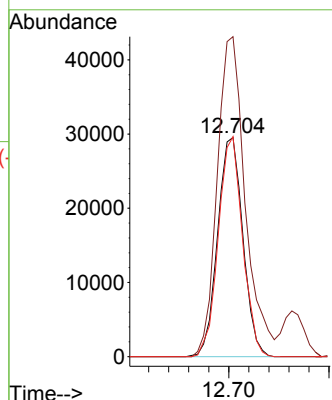
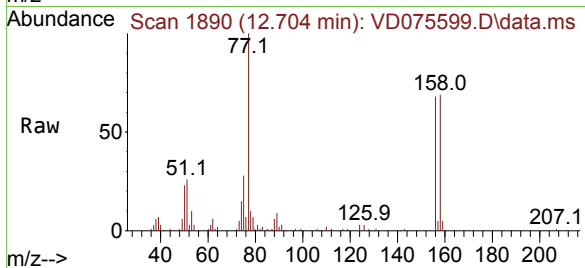
Tgt Ion:156 Resp: 51552

Ion Ratio Lower Upper

156 100

77 162.2 89.5 268.6

158 96.3 47.8 143.4



#78

n-propylbenzene

Concen: 19.340 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.006 min

Lab File: VD075599.D

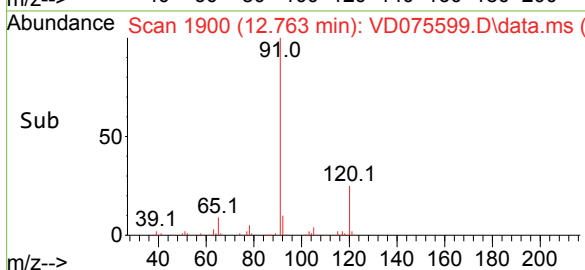
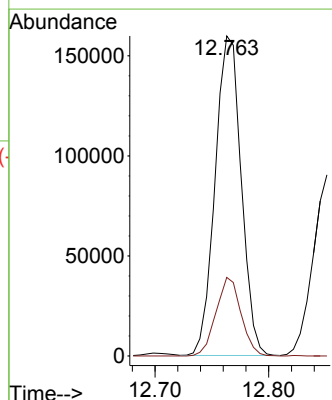
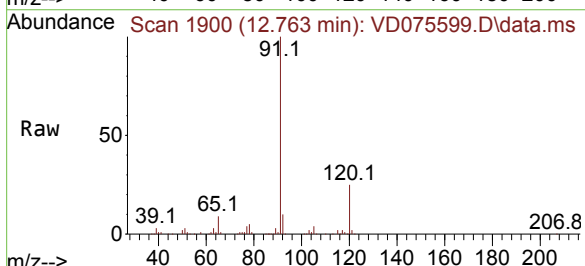
Acq: 07 Apr 2023 14:21

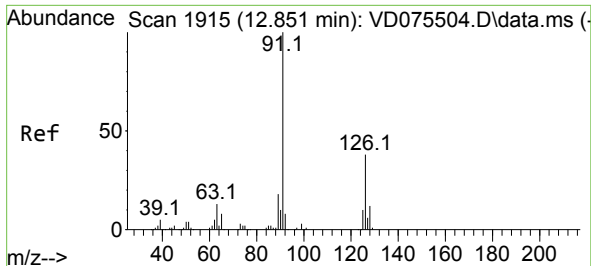
Tgt Ion: 91 Resp: 255081

Ion Ratio Lower Upper

91 100

120 23.6 11.4 34.2

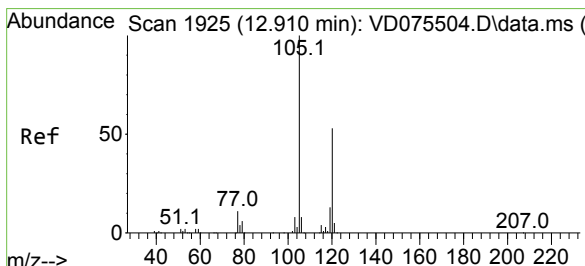
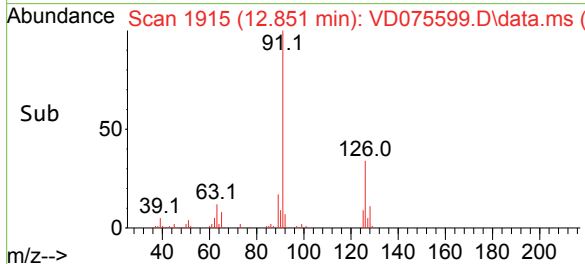
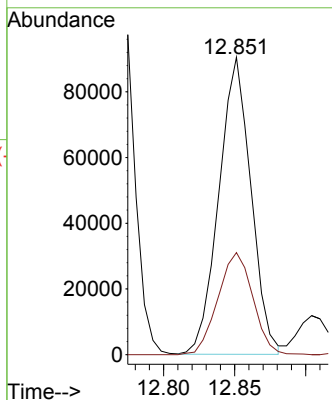
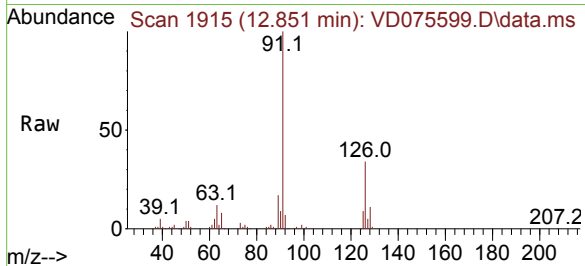




#79  
2-Chlorotoluene  
Concen: 19.872 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

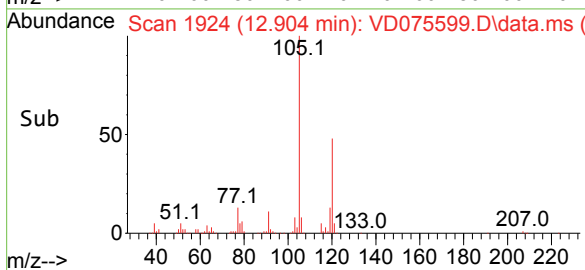
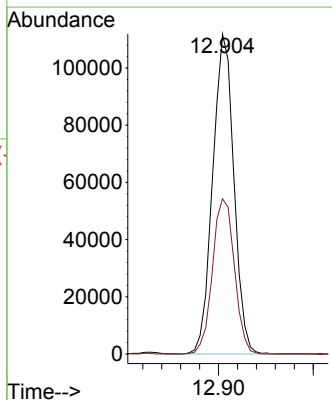
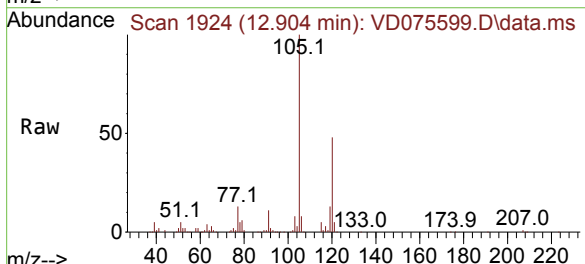
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

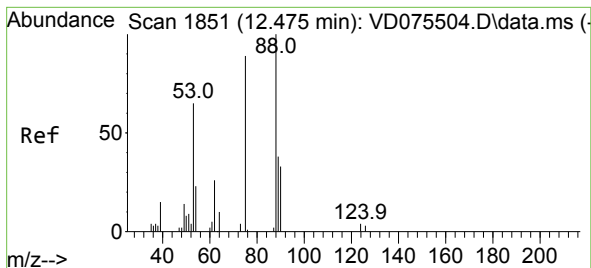
Tgt Ion: 91 Resp: 142024  
Ion Ratio Lower Upper  
91 100  
126 37.3 16.8 50.3



#80  
1,3,5-Trimethylbenzene  
Concen: 19.500 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 105 Resp: 173571  
Ion Ratio Lower Upper  
105 100  
120 50.2 24.3 72.8

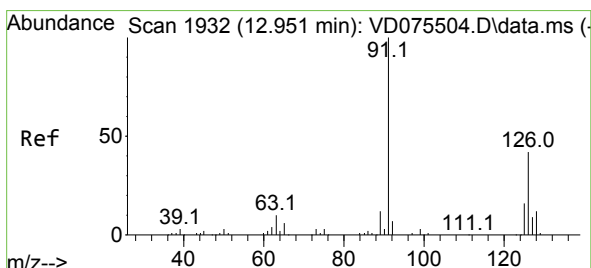
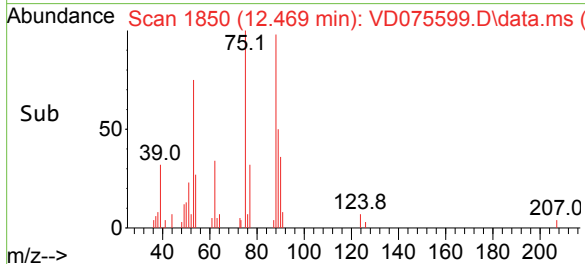
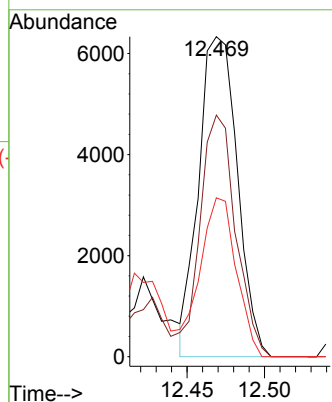
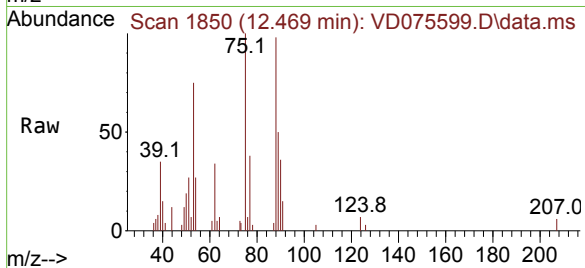




#81  
trans-1,4-Dichloro-2-butene  
Concen: 20.778 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.000 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

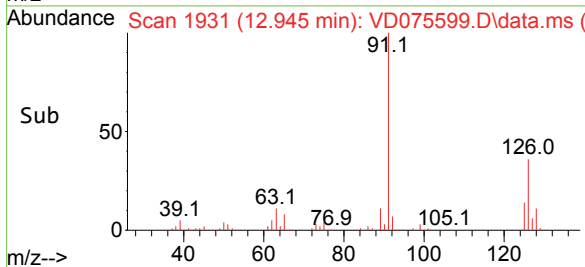
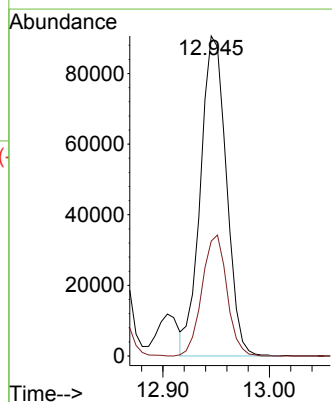
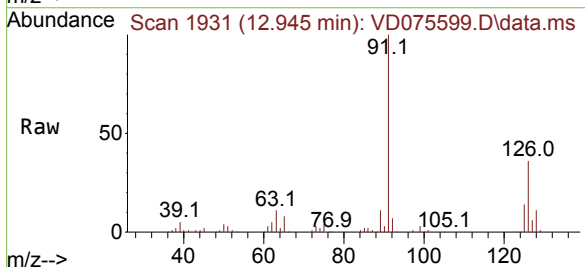
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

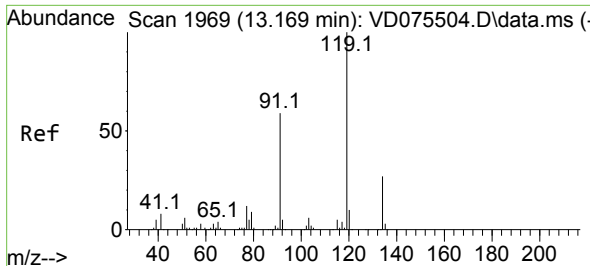
Tgt Ion: 75 Resp: 10981  
Ion Ratio Lower Upper  
75 100  
53 70.3 90.5 135.7#  
89 47.9 40.2 60.4



#82  
4-Chlorotoluene  
Concen: 20.778 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Tgt Ion: 91 Resp: 153230  
Ion Ratio Lower Upper  
91 100  
126 36.4 17.1 51.2

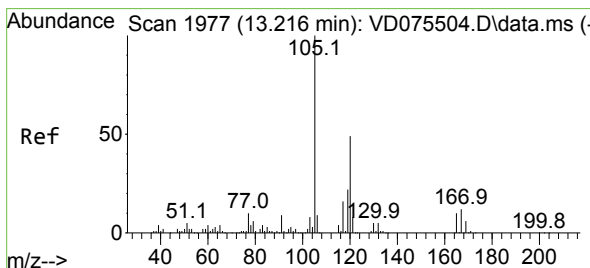
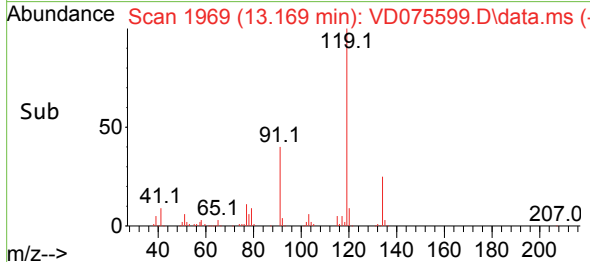
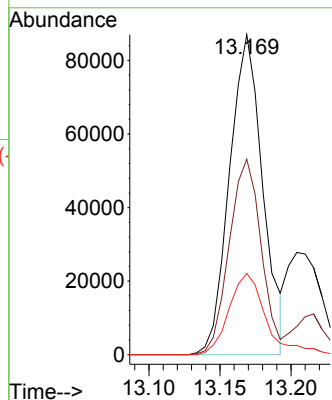
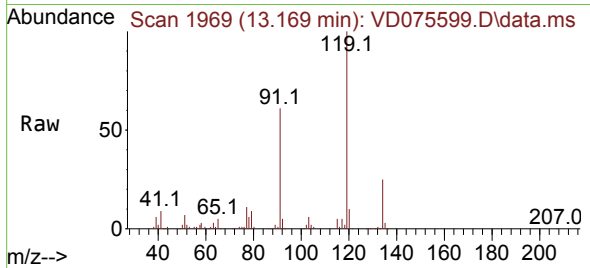




#83  
 tert-Butylbenzene  
 Concen: 18.348 ug/l  
 RT: 13.169 min Scan# 1969  
 Delta R.T. -0.000 min  
 Lab File: VD075599.D  
 Acq: 07 Apr 2023 14:21

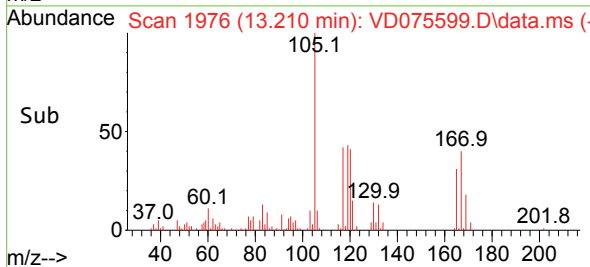
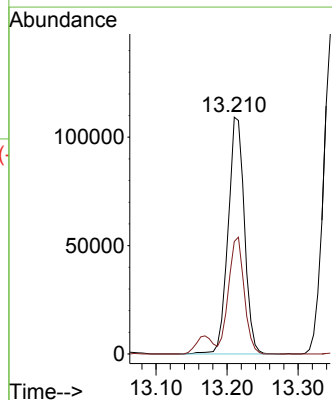
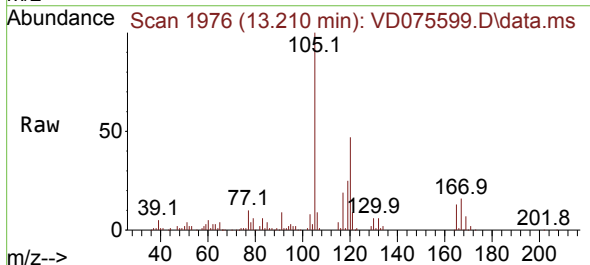
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0407SBSD01

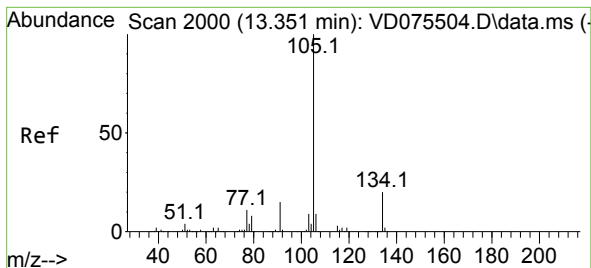
Tgt Ion:119 Resp: 141939  
 Ion Ratio Lower Upper  
 119 100  
 91 58.7 32.4 97.0  
 134 28.0 13.0 39.0



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.240 ug/l  
 RT: 13.210 min Scan# 1976  
 Delta R.T. -0.006 min  
 Lab File: VD075599.D  
 Acq: 07 Apr 2023 14:21

Tgt Ion:105 Resp: 174115  
 Ion Ratio Lower Upper  
 105 100  
 120 47.4 22.3 66.9





#85

sec-Butylbenzene

Concen: 18.761 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. -0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

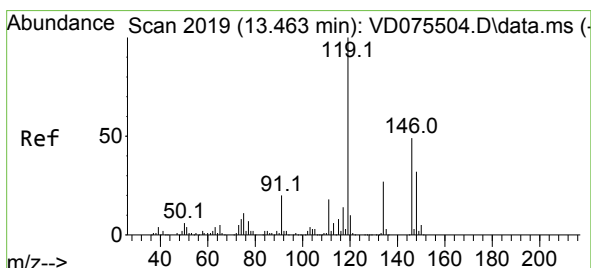
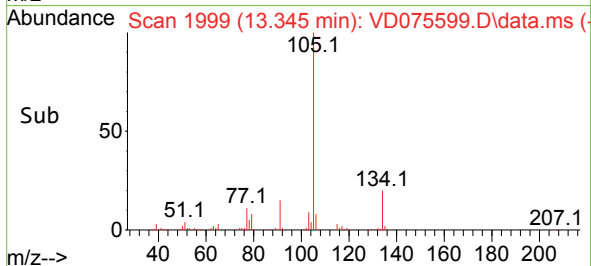
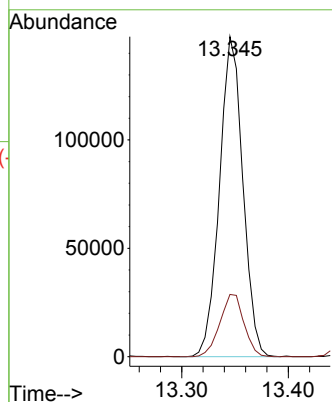
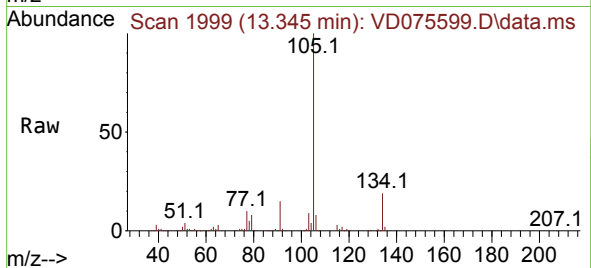
VD0407SBSD01

Tgt Ion:105 Resp: 224689

Ion Ratio Lower Upper

105 100

134 20.1 9.9 29.7



#86

p-Isopropyltoluene

Concen: 18.891 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

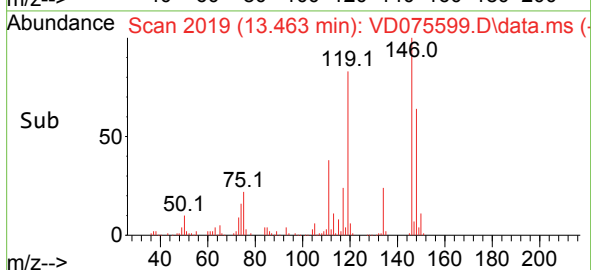
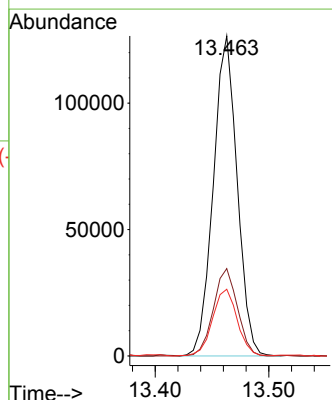
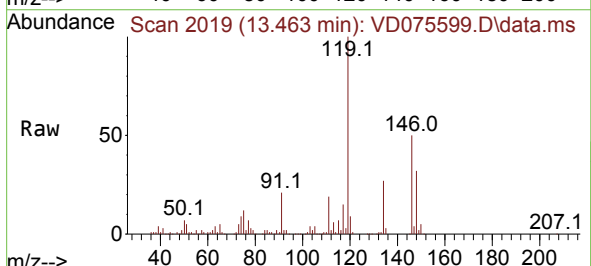
Tgt Ion:119 Resp: 184871

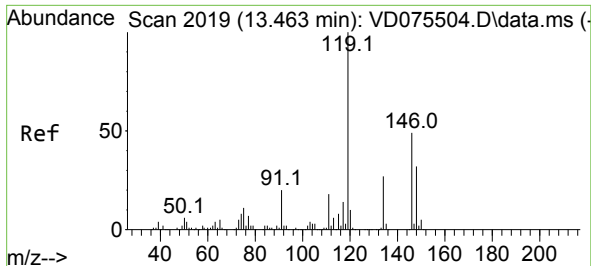
Ion Ratio Lower Upper

119 100

134 27.5 13.1 39.3

91 21.7 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 20.147 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBS01

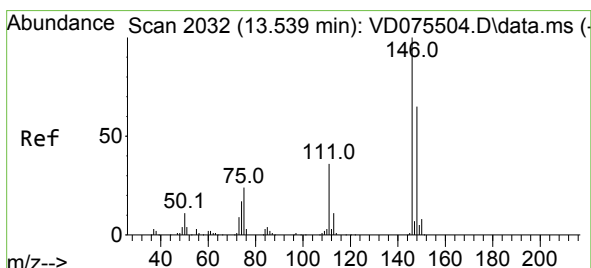
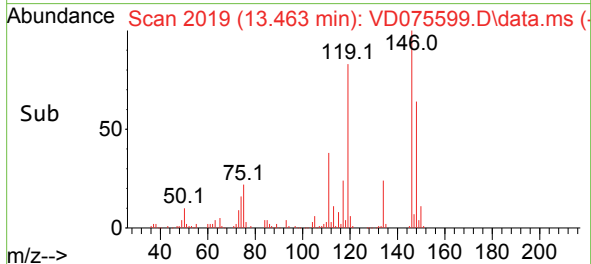
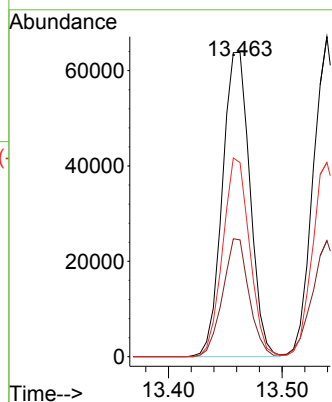
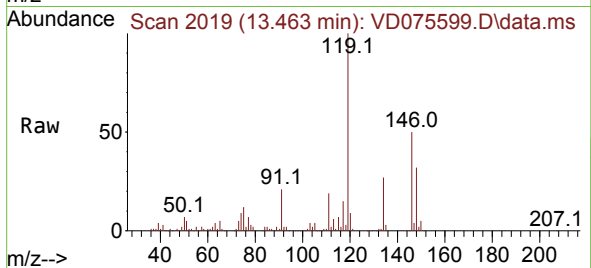
Tgt Ion:146 Resp: 107467

Ion Ratio Lower Upper

146 100

111 37.3 19.8 59.3

148 63.8 31.0 93.0



#88

1,4-Dichlorobenzene

Concen: 20.311 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. -0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

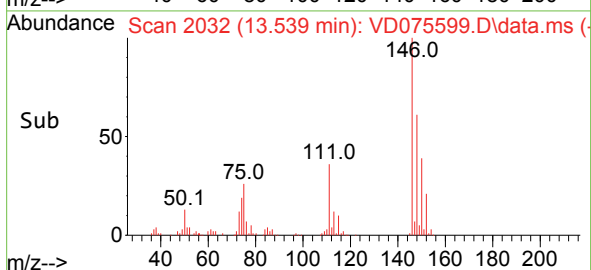
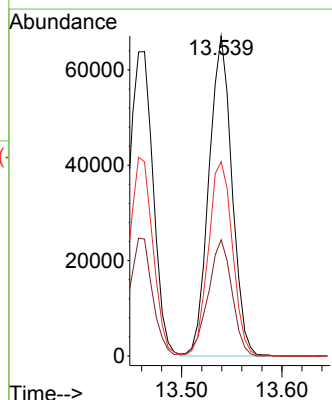
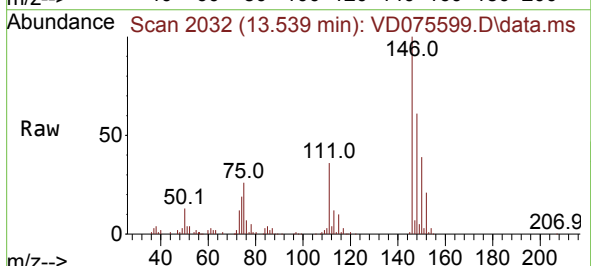
Tgt Ion:146 Resp: 107174

Ion Ratio Lower Upper

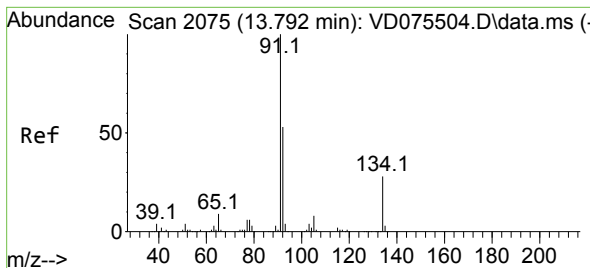
146 100

111 37.6 19.6 58.8

148 63.7 31.7 95.1







#89

n-Butylbenzene

Concen: 18.946 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBSD01

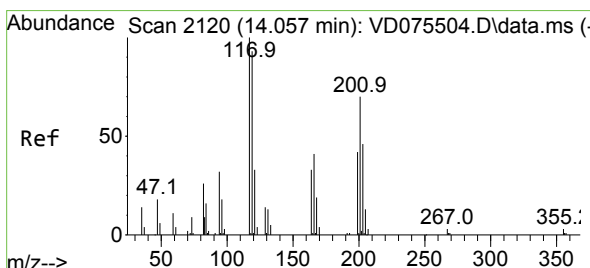
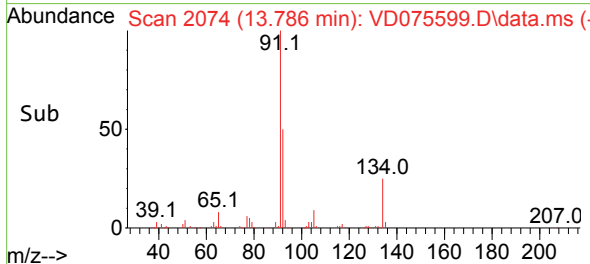
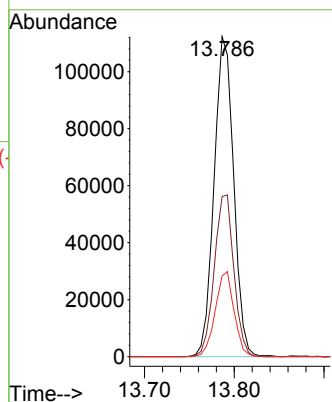
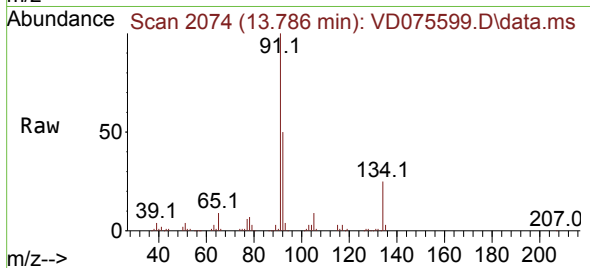
Tgt Ion: 91 Resp: 170044

Ion Ratio Lower Upper

91 100

92 50.7 26.2 78.5

134 25.6 12.7 38.0



#90

Hexachloroethane

Concen: 19.845 ug/l

RT: 14.051 min Scan# 2119

Delta R.T. -0.006 min

Lab File: VD075599.D

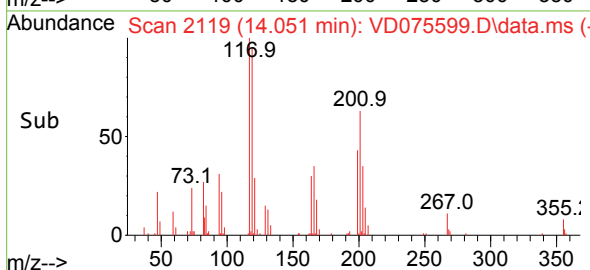
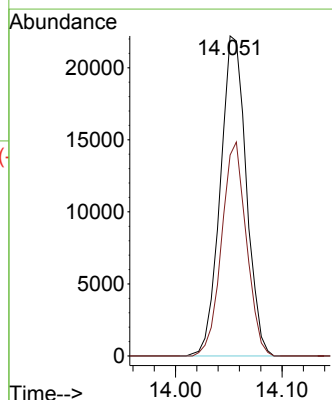
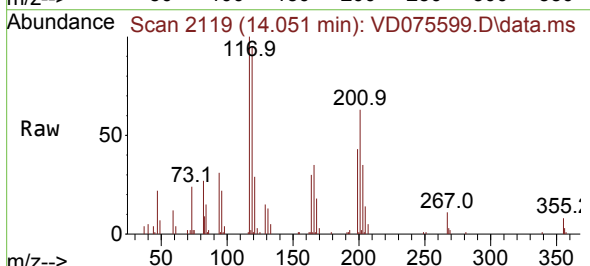
Acq: 07 Apr 2023 14:21

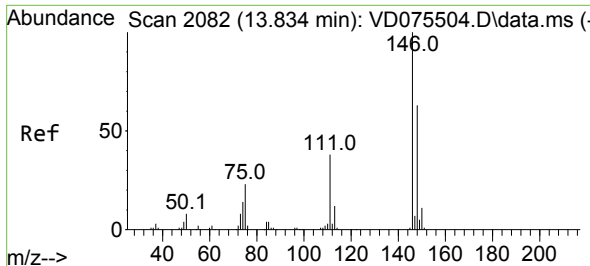
Tgt Ion: 117 Resp: 37502

Ion Ratio Lower Upper

117 100

201 63.9 34.5 103.6





#91

1,2-Dichlorobenzene

Concen: 20.447 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBSD01

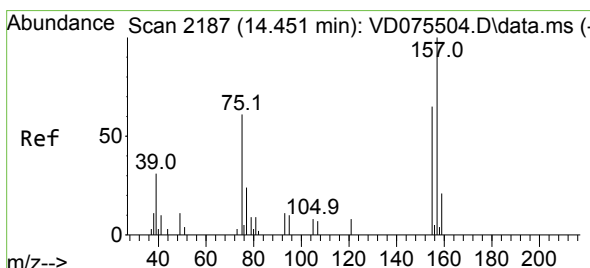
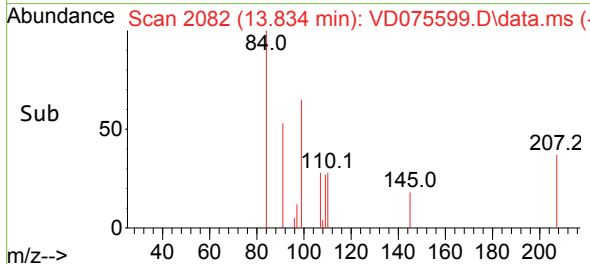
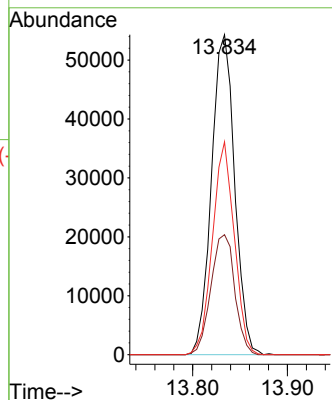
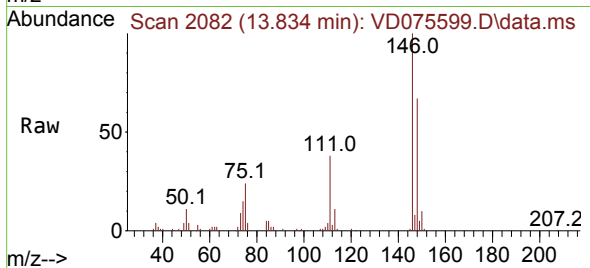
Tgt Ion:146 Resp: 92296

Ion Ratio Lower Upper

146 100

111 38.6 20.6 61.8

148 62.6 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.685 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. -0.000 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

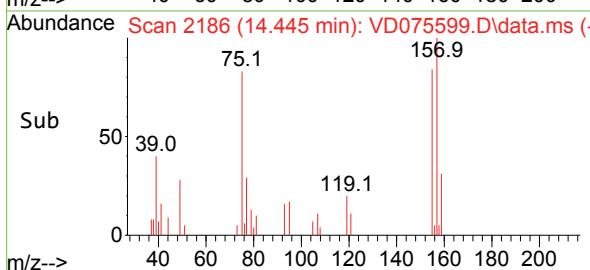
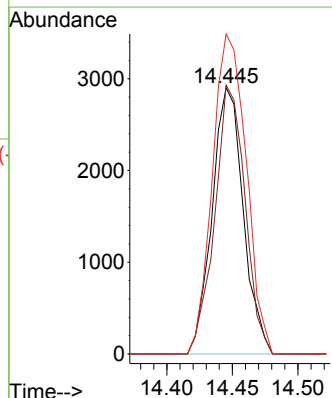
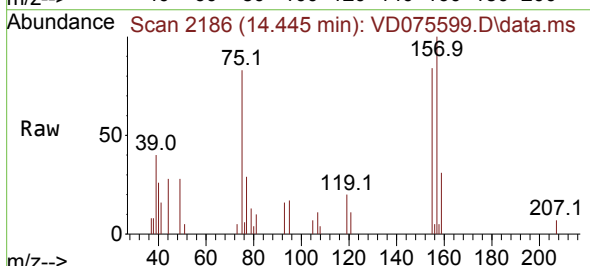
Tgt Ion: 75 Resp: 4792

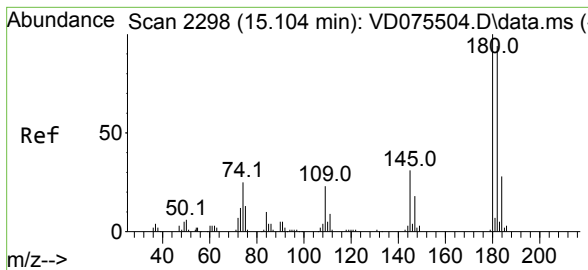
Ion Ratio Lower Upper

75 100

155 98.4 39.5 118.5

157 130.4 53.5 160.7





#93

1,2,4-Trichlorobenzene

Concen: 18.914 ug/l

RT: 15.098 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

Instrument :

MSVOA\_D

ClientSampleId :

VD0407SBSD01

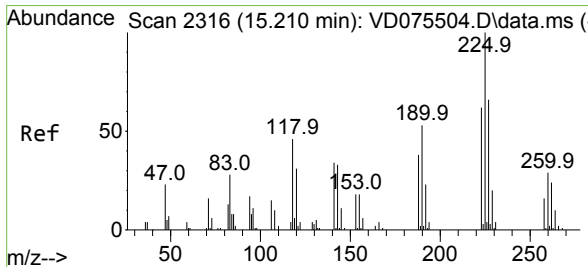
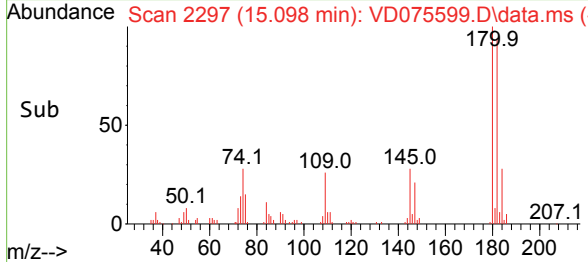
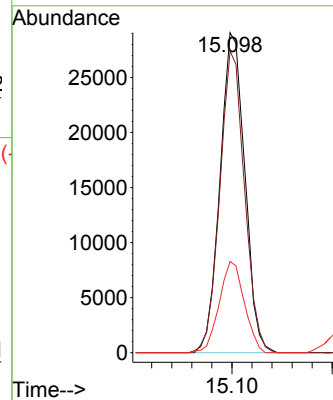
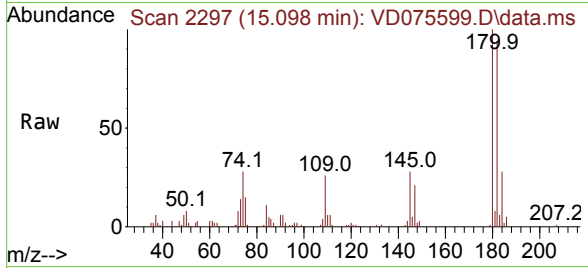
Tgt Ion:180 Resp: 49789

Ion Ratio Lower Upper

180 100

182 93.6 47.9 143.7

145 28.9 15.9 47.7



#94

Hexachlorobutadiene

Concen: 18.396 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.006 min

Lab File: VD075599.D

Acq: 07 Apr 2023 14:21

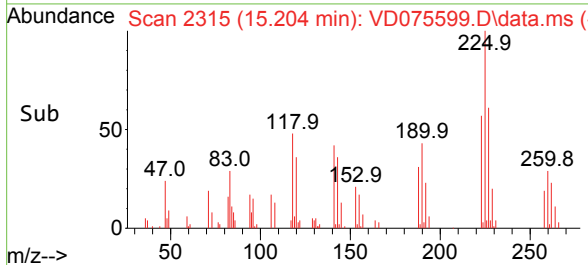
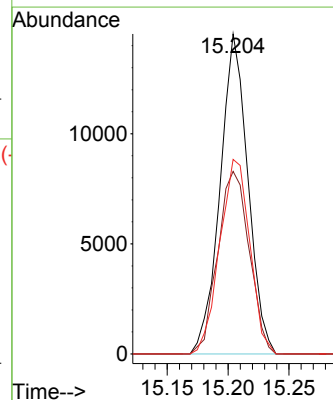
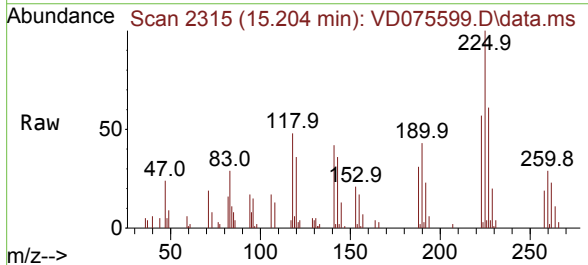
Tgt Ion:225 Resp: 23096

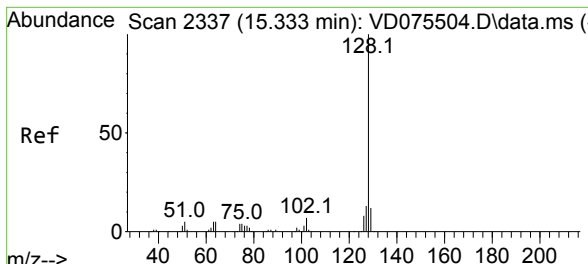
Ion Ratio Lower Upper

225 100

223 64.5 33.1 99.2

227 65.6 31.9 95.9

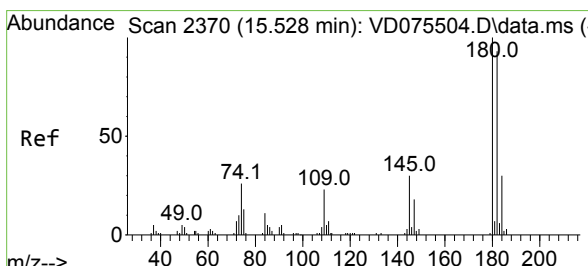
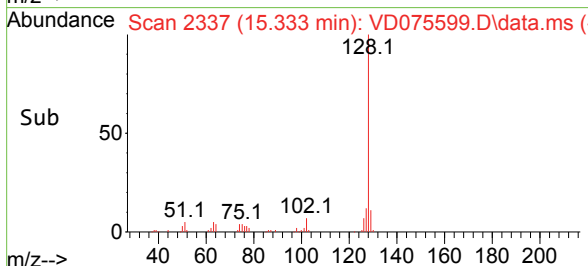
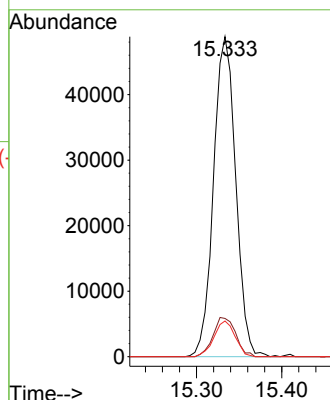
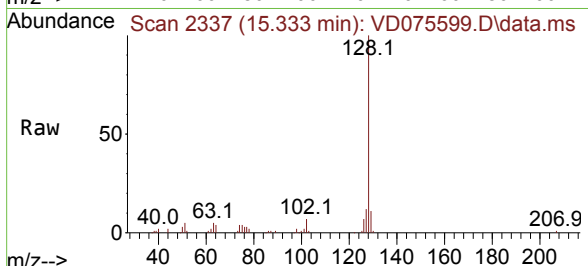




#95  
Naphthalene  
Concen: 18.261 ug/l  
RT: 15.333 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0407SBSD01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:128 | Resp: | 88245     |
| Ion Ratio   | Lower | Upper     |
| 128         | 100   |           |
| 127         | 12.5  | 10.4 15.6 |
| 129         | 10.7  | 8.8 13.2  |



#96  
1,2,3-Trichlorobenzene  
Concen: 19.129 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.006 min  
Lab File: VD075599.D  
Acq: 07 Apr 2023 14:21

|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 43451      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 93.5  | 47.7 143.1 |
| 145         | 31.7  | 16.4 49.4  |

