

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051923\  
 Data File : VD076155.D  
 Acq On : 19 May 2023 14:13  
 Operator : KP/SY  
 Sample : VD0519SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0519SBS02

Quant Time: May 22 01:28:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 186761   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.775  | 114  | 337171   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 314987   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 157342   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 94668    | 52.448   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 104.900% |      |
| 35) Dibromofluoromethane    | 7.804  | 113   | 108350   | 46.490   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 92.980%  |      |
| 50) Toluene-d8              | 10.269 | 98    | 424198   | 46.691   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 93.380%  |      |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 115760   | 45.868   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 91.740%  |      |

|                              |       |     |        |         |        |     |
|------------------------------|-------|-----|--------|---------|--------|-----|
| Target Compounds             |       |     |        |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.928 | 85  | 38815  | 23.044  | ug/l   | 91  |
| 3) Chloromethane             | 2.146 | 50  | 73856  | 24.428  | ug/l   | 99  |
| 4) Vinyl Chloride            | 2.281 | 62  | 91200  | 25.106  | ug/l   | 97  |
| 5) Bromomethane              | 2.675 | 94  | 58293  | 23.835  | ug/l   | 98  |
| 6) Chloroethane              | 2.828 | 64  | 60758  | 24.861  | ug/l   | 94  |
| 7) Trichlorofluoromethane    | 3.163 | 101 | 70040  | 22.748  | ug/l   | 95  |
| 8) Diethyl Ether             | 3.587 | 74  | 21953  | 21.681  | ug/l   | 74  |
| 9) 1,1,2-Trichlorotrifluo... | 3.963 | 101 | 47353  | 23.348  | ug/l   | 90  |
| 10) Methyl Iodide            | 4.157 | 142 | 45994  | 21.811  | ug/l   | 91  |
| 11) Tert butyl alcohol       | 5.051 | 59  | 11664  | 122.160 | ug/l # | 100 |
| 12) 1,1-Dichloroethene       | 3.934 | 96  | 44039  | 21.818  | ug/l   | 95  |
| 13) Acrolein                 | 3.793 | 56  | 21953  | 93.944  | ug/l   | 97  |
| 14) Allyl chloride           | 4.557 | 41  | 45588  | 22.254  | ug/l # | 81  |
| 15) Acrylonitrile            | 5.257 | 53  | 47179  | 112.533 | ug/l   | 97  |
| 16) Acetone                  | 4.016 | 43  | 44582  | 124.140 | ug/l   | 91  |
| 17) Carbon Disulfide         | 4.263 | 76  | 130704 | 22.381  | ug/l   | 98  |
| 18) Methyl Acetate           | 4.569 | 43  | 28562  | 22.295  | ug/l # | 80  |
| 19) Methyl tert-butyl Ether  | 5.310 | 73  | 85166  | 21.557  | ug/l   | 99  |
| 20) Methylene Chloride       | 4.799 | 84  | 69443  | 18.417  | ug/l # | 78  |
| 21) trans-1,2-Dichloroethene | 5.304 | 96  | 51034  | 21.937  | ug/l # | 79  |
| 22) Diisopropyl ether        | 6.216 | 45  | 109221 | 22.970  | ug/l # | 91  |
| 23) Vinyl Acetate            | 6.157 | 43  | 247264 | 132.253 | ug/l # | 88  |
| 24) 1,1-Dichloroethane       | 6.116 | 63  | 85867  | 22.898  | ug/l   | 98  |
| 25) 2-Butanone               | 7.075 | 43  | 54794  | 121.345 | ug/l # | 84  |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 72135  | 23.591  | ug/l   | 94  |
| 27) cis-1,2-Dichloroethene   | 7.075 | 96  | 56541  | 21.902  | ug/l   | 86  |
| 28) Bromochloromethane       | 7.422 | 49  | 28081  | 22.458  | ug/l # | 68  |
| 29) Tetrahydrofuran          | 7.440 | 42  | 29886  | 113.552 | ug/l # | 69  |
| 30) Chloroform               | 7.593 | 83  | 91842  | 22.902  | ug/l   | 95  |
| 31) Cyclohexane              | 7.875 | 56  | 62408  | 22.576  | ug/l # | 83  |
| 32) 1,1,1-Trichloroethane    | 7.793 | 97  | 72638  | 22.729  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 8.004 | 75  | 62875  | 19.976  | ug/l   | 94  |
| 37) Ethyl Acetate            | 7.169 | 43  | 22048  | 20.229  | ug/l # | 85  |
| 38) Carbon Tetrachloride     | 7.987 | 117 | 54894  | 19.308  | ug/l   | 94  |
| 39) Methylcyclohexane        | 9.275 | 83  | 70077  | 19.338  | ug/l   | 96  |
| 40) Benzene                  | 8.251 | 78  | 204148 | 20.174  | ug/l   | 97  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051923\  
 Data File : VD076155.D  
 Acq On : 19 May 2023 14:13  
 Operator : KP/SY  
 Sample : VD0519SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0519SBS02

Quant Time: May 22 01:28:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.387  | 41   | 11398    | 19.072  | ug/l # | 72       |
| 42) 1,2-Dichloroethane        | 8.322  | 62   | 49939    | 20.864  | ug/l   | 95       |
| 43) Isopropyl Acetate         | 8.357  | 43   | 40436    | 19.860  | ug/l # | 82       |
| 44) Trichloroethene           | 9.028  | 130  | 53299    | 18.689  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 49379    | 19.783  | ug/l   | 93       |
| 46) Dibromomethane            | 9.392  | 93   | 28280    | 20.213  | ug/l   | 98       |
| 47) Bromodichloromethane      | 9.581  | 83   | 67644    | 20.117  | ug/l   | 92       |
| 48) Methyl methacrylate       | 9.381  | 41   | 18029    | 20.007  | ug/l # | 64       |
| 49) 1,4-Dioxane               | 9.381  | 88   | 5439     | 363.530 | ug/l # | 90       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 107938   | 99.678  | ug/l # | 80       |
| 52) Toluene                   | 10.334 | 92   | 129967   | 20.563  | ug/l   | 95       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 59838    | 19.744  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 74292    | 20.087  | ug/l # | 76       |
| 55) 1,1,2-Trichloroethane     | 10.734 | 97   | 40913    | 20.391  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 37747    | 18.717  | ug/l # | 71       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 62078    | 19.721  | ug/l   | 96       |
| 58) 2-Chloroethyl Vinyl ether | 9.869  | 63   | 93114    | 96.230  | ug/l   | 92       |
| 59) 2-Hexanone                | 10.922 | 43   | 78550    | 102.859 | ug/l   | 78       |
| 60) Dibromochloromethane      | 11.075 | 129  | 44553    | 19.749  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 36759    | 20.596  | ug/l   | 99       |
| 64) Tetrachloroethene         | 10.810 | 164  | 42222    | 17.432  | ug/l   | 95       |
| 65) Chlorobenzene             | 11.610 | 112  | 137291   | 19.146  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.686 | 131  | 46798    | 18.964  | ug/l   | 95       |
| 67) Ethyl Benzene             | 11.686 | 91   | 216637   | 18.906  | ug/l   | 95       |
| 68) m/p-Xylenes               | 11.792 | 106  | 184821   | 39.465  | ug/l   | 91       |
| 69) o-Xylene                  | 12.122 | 106  | 80622    | 18.867  | ug/l   | 93       |
| 70) Styrene                   | 12.139 | 104  | 146454   | 19.768  | ug/l   | 94       |
| 71) Bromoform                 | 12.298 | 173  | 25014    | 18.020  | ug/l # | 95       |
| 73) Isopropylbenzene          | 12.422 | 105  | 206590   | 19.848  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.233 | 43   | 35549    | 19.175  | ug/l # | 74       |
| 75) 1,1,2,2-Tetrachloroethane | 12.675 | 83   | 46296    | 20.695  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.722 | 75   | 52201    | 37.913  | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 53768    | 19.273  | ug/l   | 93       |
| 78) n-propylbenzene           | 12.763 | 91   | 265349   | 20.482  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 143172   | 19.968  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 174802   | 20.259  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 12.469 | 75   | 12981    | 19.778  | ug/l # | 74       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 157469   | 20.647  | ug/l   | 95       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 142099   | 19.487  | ug/l   | 93       |
| 84) 1,2,4-Trimethylbenzene    | 13.210 | 105  | 172765   | 20.105  | ug/l   | 94       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 229321   | 20.179  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 186648   | 20.072  | ug/l   | 96       |
| 87) 1,3-Dichlorobenzene       | 13.457 | 146  | 108309   | 19.202  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 13.539 | 146  | 109568   | 19.618  | ug/l   | 98       |
| 89) n-Butylbenzene            | 13.786 | 91   | 173504   | 19.799  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.051 | 117  | 37782    | 19.753  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 13.833 | 146  | 97247    | 19.646  | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.445 | 75   | 5734     | 19.741  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 49909    | 17.334  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 23474    | 15.990  | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 97064    | 18.143  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 15.522 | 180  | 43299    | 16.535  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051923\  
Data File : VD076155.D  
Acq On : 19 May 2023 14:13  
Operator : KP/SY  
Sample : VD0519SBS02  
Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

Quant Time: May 22 01:28:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 16 10:08:53 2023  
Response via : Initial Calibration

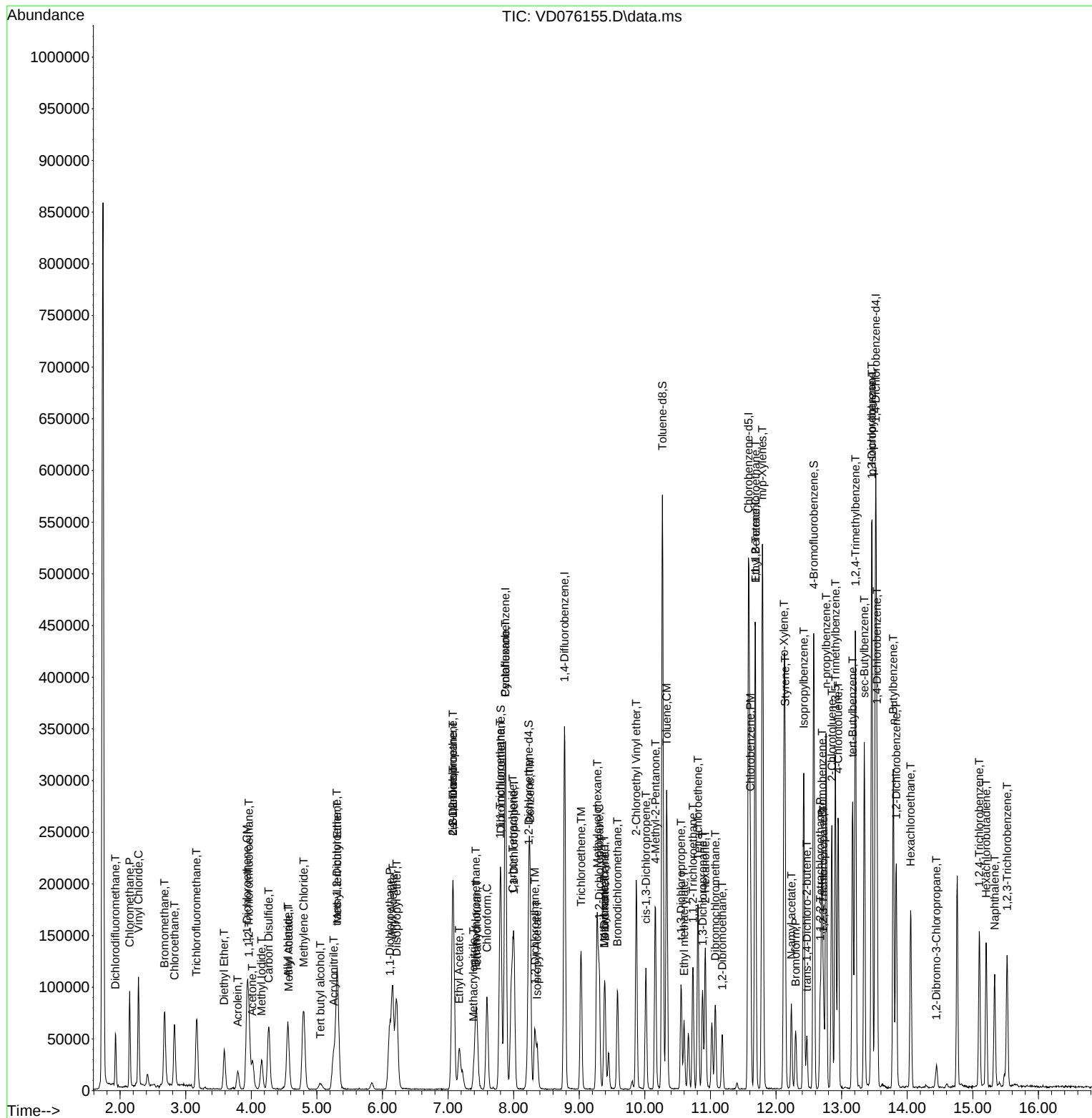
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

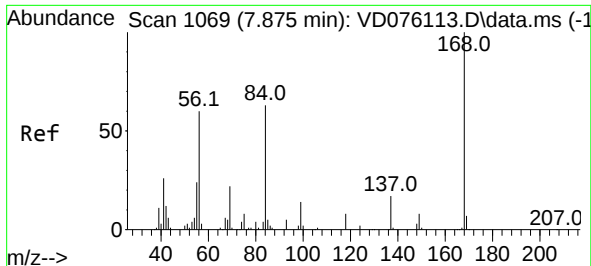
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD051923\  
 Data File : VD076155.D  
 Acq On : 19 May 2023 14:13  
 Operator : KP/SY  
 Sample : VD0519SBS02  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0519SBS02

Quant Time: May 22 01:28:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D051523S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 16 10:08:53 2023  
 Response via : Initial Calibration

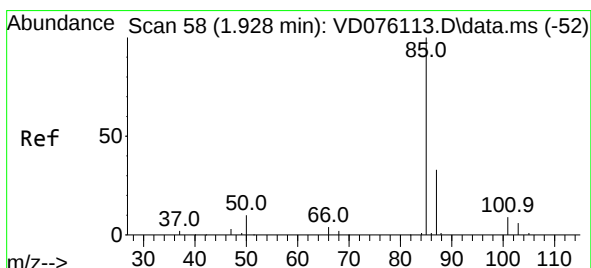
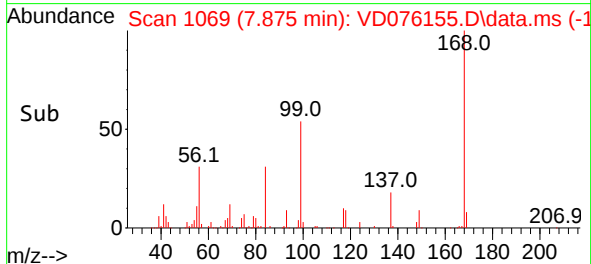
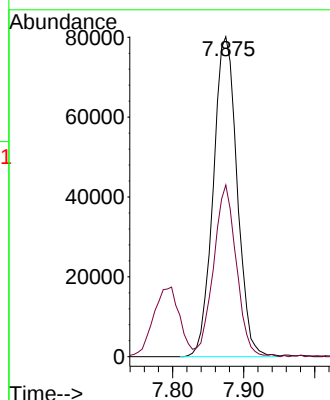
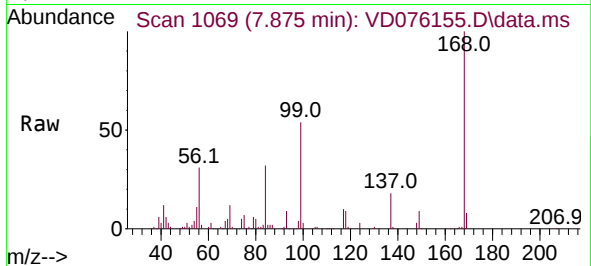




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

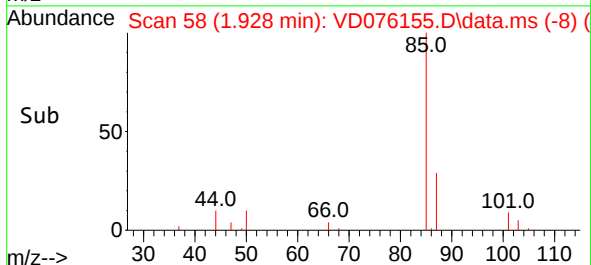
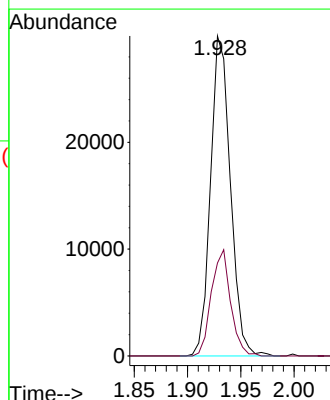
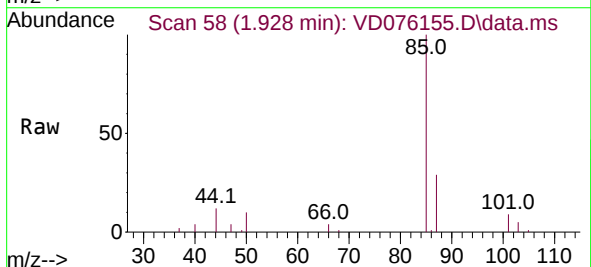
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

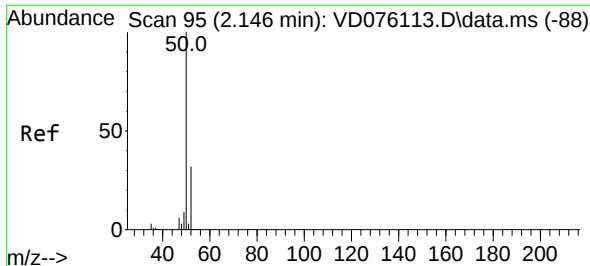
Tgt Ion:168 Resp: 186761  
Ion Ratio Lower Upper  
168 100  
99 53.7 43.8 65.6



#2  
Dichlorodifluoromethane  
Concen: 23.044 ug/l  
RT: 1.928 min Scan# 58  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 85 Resp: 38815  
Ion Ratio Lower Upper  
85 100  
87 29.1 17.3 51.7

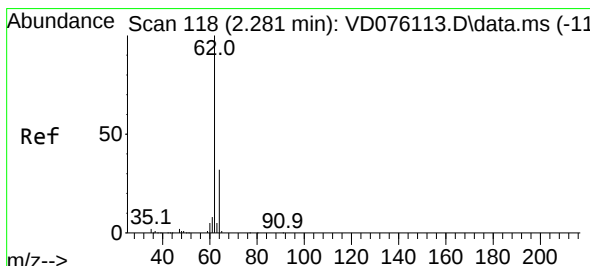
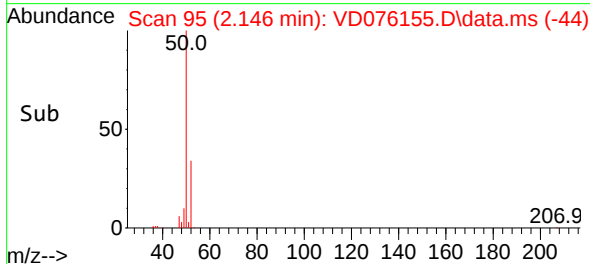
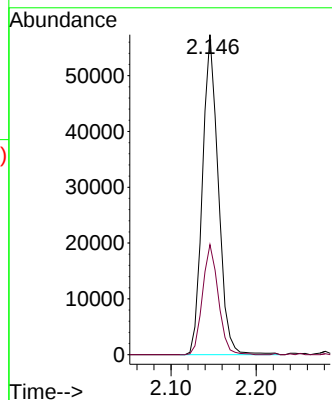
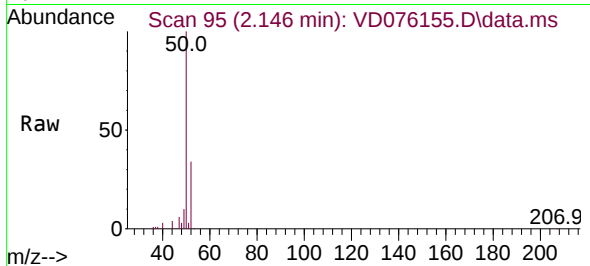




#3  
Chloromethane  
Concen: 24.428 ug/l  
RT: 2.146 min Scan# 95  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

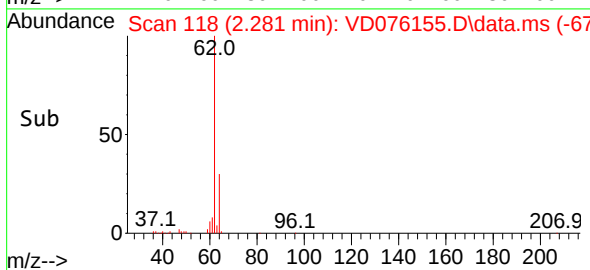
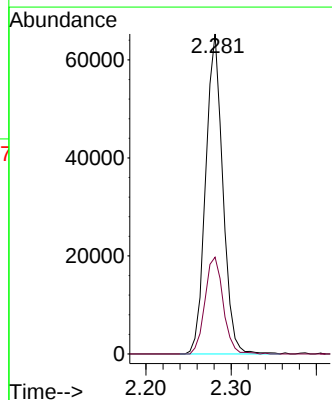
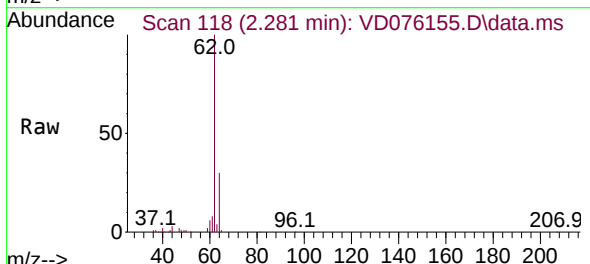
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

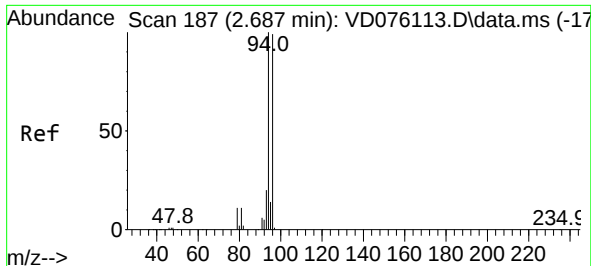
Tgt Ion: 50 Resp: 73856  
Ion Ratio Lower Upper  
50 100  
52 34.4 27.8 41.8



#4  
Vinyl Chloride  
Concen: 25.106 ug/l  
RT: 2.281 min Scan# 118  
Delta R.T. 0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 62 Resp: 91200  
Ion Ratio Lower Upper  
62 100  
64 30.3 25.4 38.0

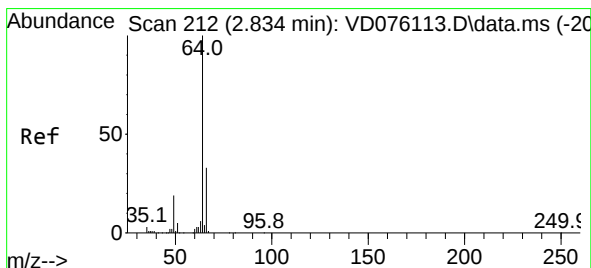
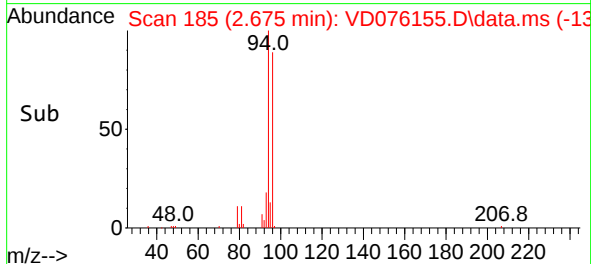
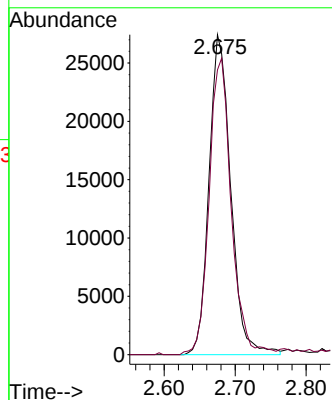
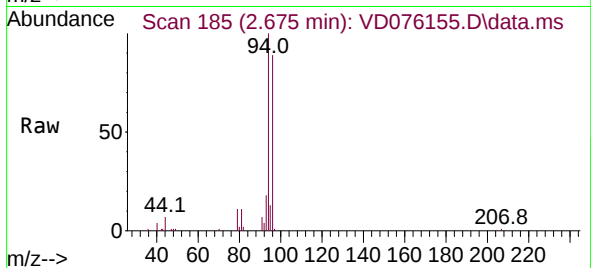




#5  
Bromomethane  
Concen: 23.835 ug/l  
RT: 2.675 min Scan# 11  
Delta R.T. -0.012 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

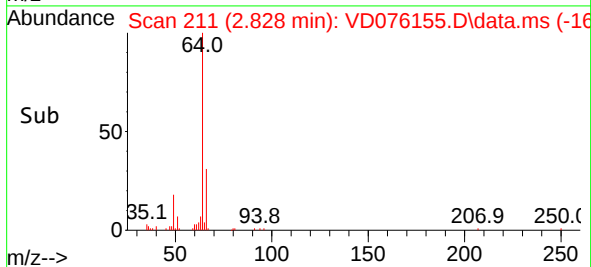
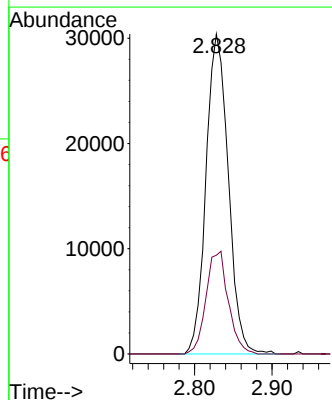
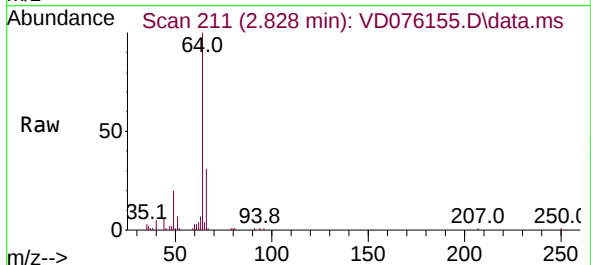
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

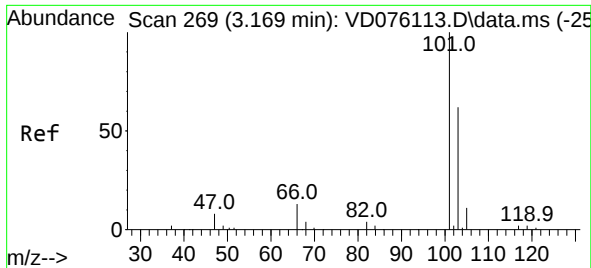
Tgt Ion: 94 Resp: 58293  
Ion Ratio Lower Upper  
94 100  
96 94.5 77.5 116.3



#6  
Chloroethane  
Concen: 24.861 ug/l  
RT: 2.828 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 64 Resp: 60758  
Ion Ratio Lower Upper  
64 100  
66 30.9 27.7 41.5

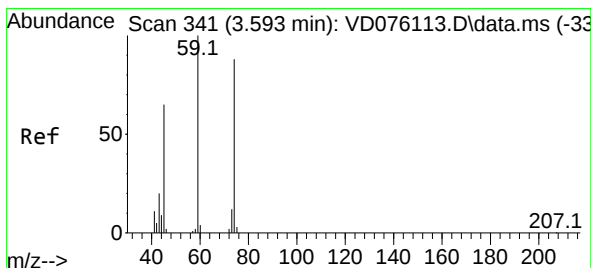
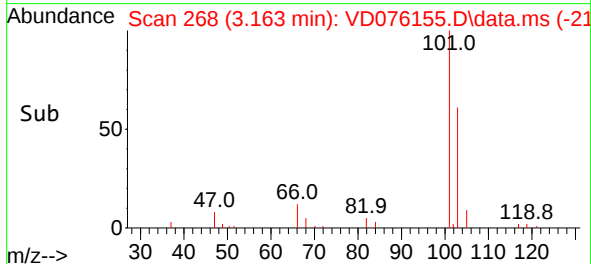
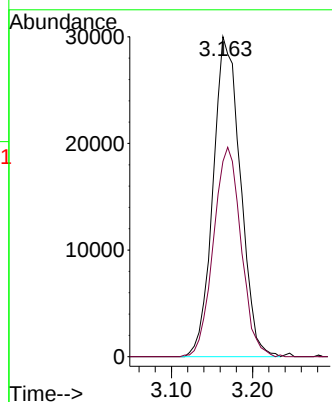
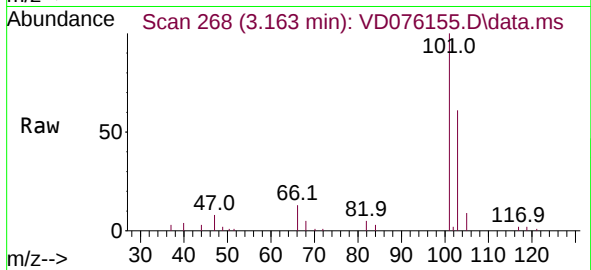




#7  
 Trichlorofluoromethane  
 Concen: 22.748 ug/l  
 RT: 3.163 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VD076155.D  
 Acq: 19 May 2023 14:13

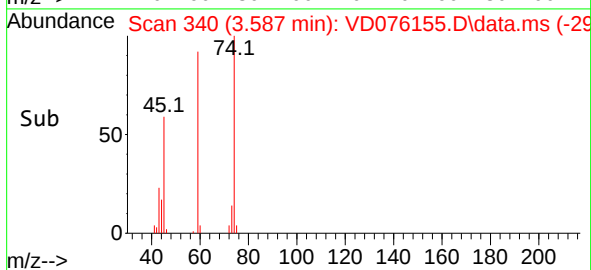
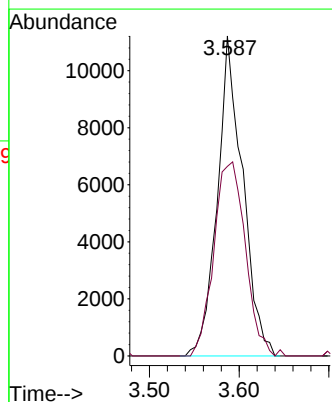
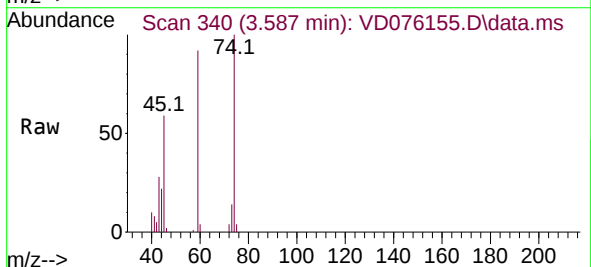
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0519SBS02

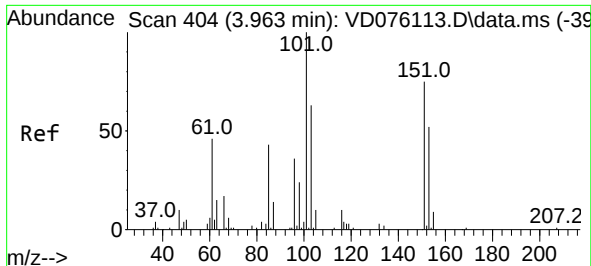
Tgt Ion:101 Resp: 70040  
 Ion Ratio Lower Upper  
 101 100  
 103 61.0 51.9 77.9



#8  
 Diethyl Ether  
 Concen: 21.681 ug/l  
 RT: 3.587 min Scan# 340  
 Delta R.T. -0.006 min  
 Lab File: VD076155.D  
 Acq: 19 May 2023 14:13

Tgt Ion: 74 Resp: 21953  
 Ion Ratio Lower Upper  
 74 100  
 45 75.4 50.9 152.7

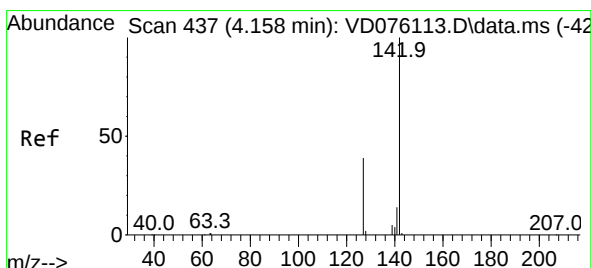
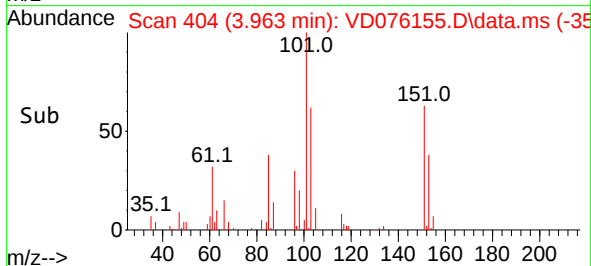
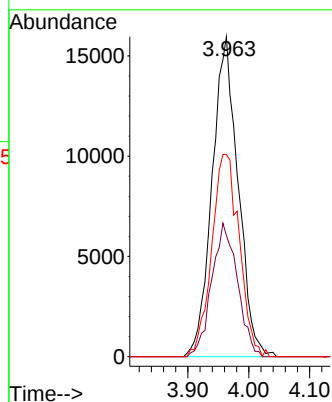
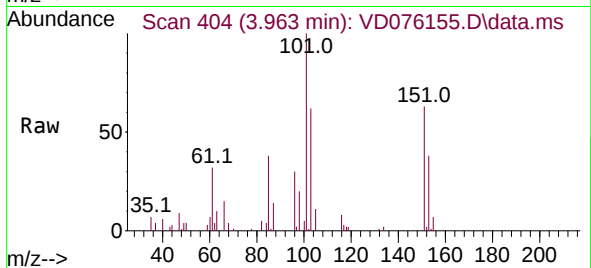




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 23.348 ug/l  
RT: 3.963 min Scan# 404  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

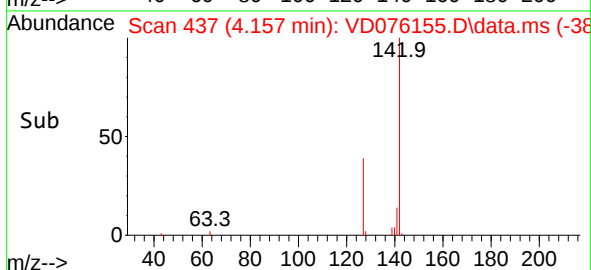
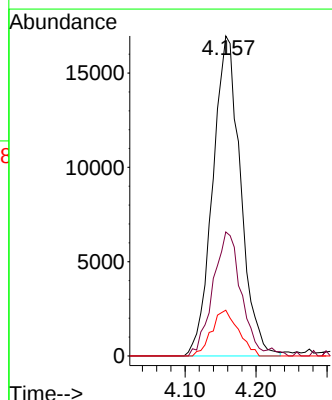
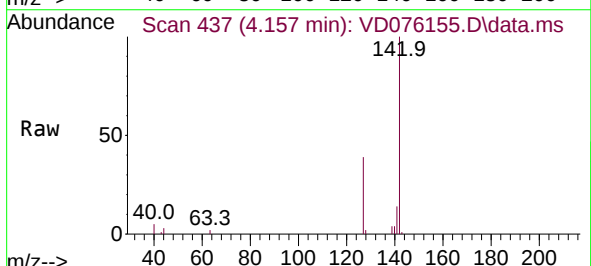
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

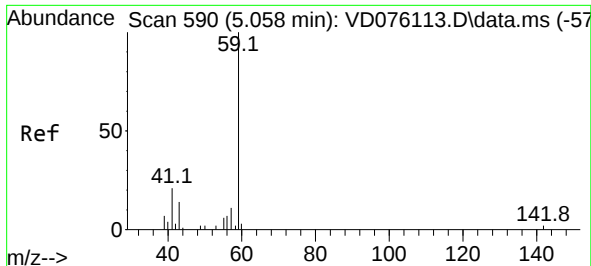
Tgt Ion:101 Resp: 47353  
Ion Ratio Lower Upper  
101 100  
85 41.3 38.3 57.5  
151 67.0 60.4 90.6



#10  
Methyl Iodide  
Concen: 21.811 ug/l  
RT: 4.157 min Scan# 437  
Delta R.T. -0.007 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion:142 Resp: 45994  
Ion Ratio Lower Upper  
142 100  
127 39.1 37.1 55.7  
141 13.9 11.3 16.9

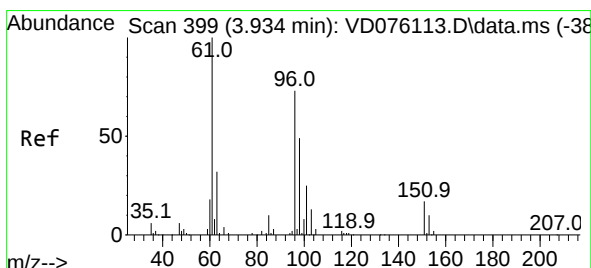
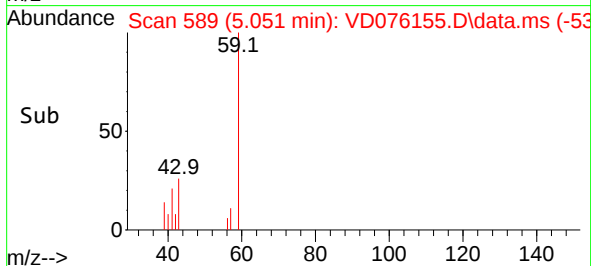
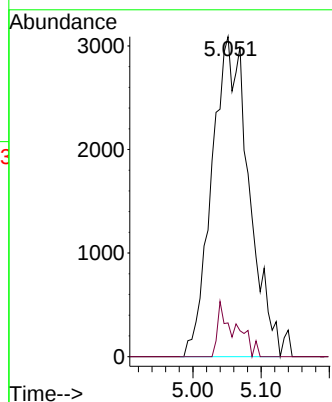
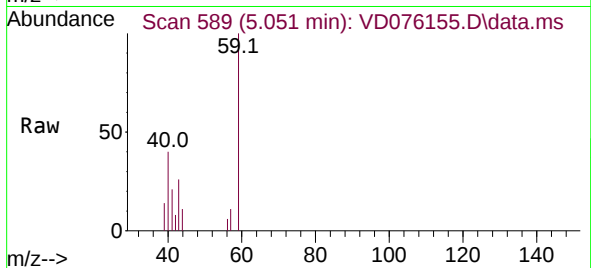




#11  
Tert butyl alcohol  
Concen: 122.160 ug/l  
RT: 5.051 min Scan# 51  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

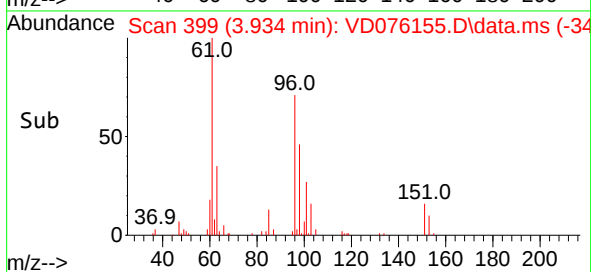
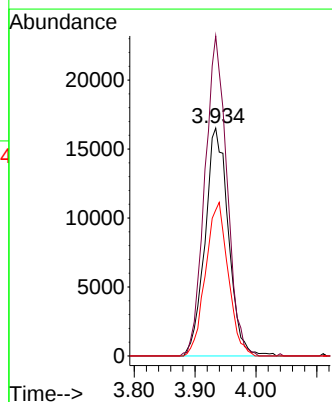
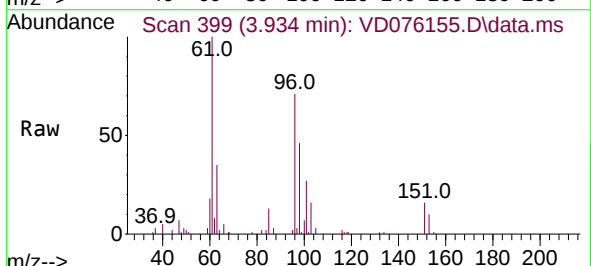
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

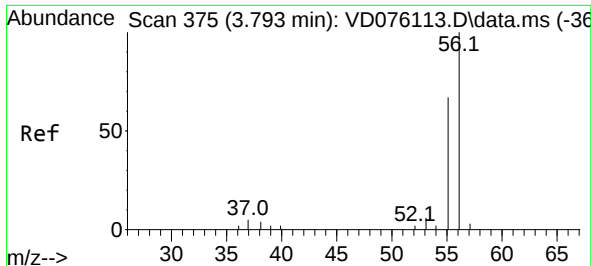
Tgt Ion: 59 Resp: 11664  
Ion Ratio Lower Upper  
59 100  
57 4.6 0.0 0.0#



#12  
1,1-Dichloroethene  
Concen: 21.818 ug/l  
RT: 3.934 min Scan# 399  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 96 Resp: 44039  
Ion Ratio Lower Upper  
96 100  
61 140.4 118.6 177.8  
98 64.1 49.7 74.5





#13

Acrolein

Concen: 93.944 ug/l

RT: 3.793 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

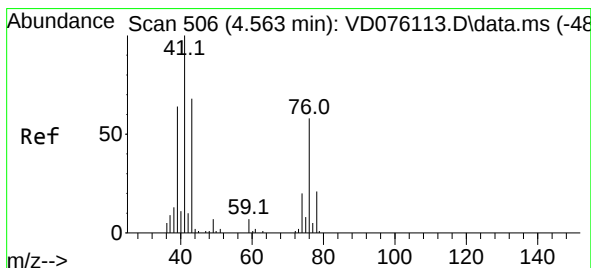
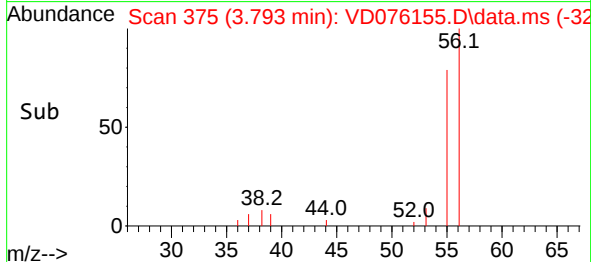
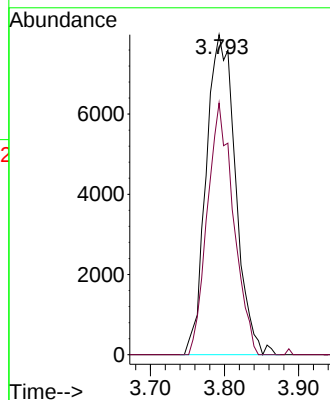
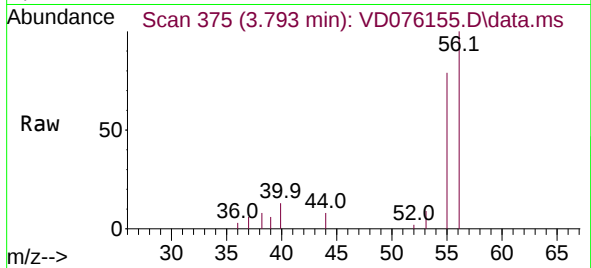
VD0519SBS02

Tgt Ion: 56 Resp: 21953

Ion Ratio Lower Upper

56 100

55 70.2 53.9 80.9



#14

Allyl chloride

Concen: 22.254 ug/l

RT: 4.557 min Scan# 505

Delta R.T. -0.006 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

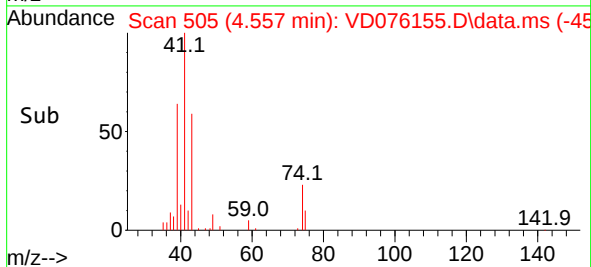
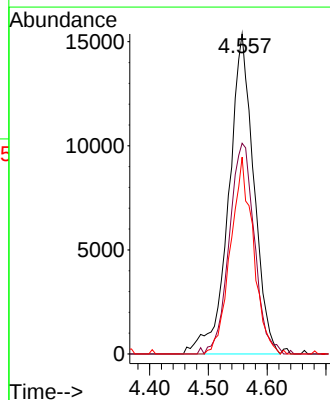
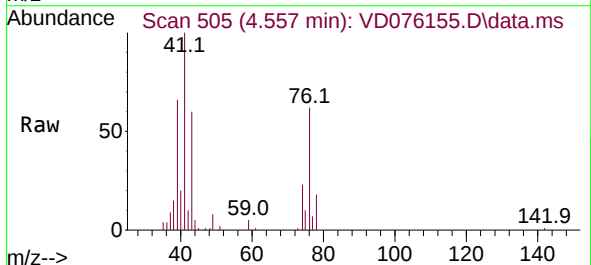
Tgt Ion: 41 Resp: 45588

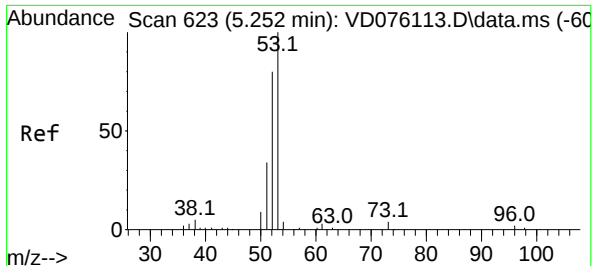
Ion Ratio Lower Upper

41 100

39 66.2 60.6 90.8

76 55.9 28.6 43.0#

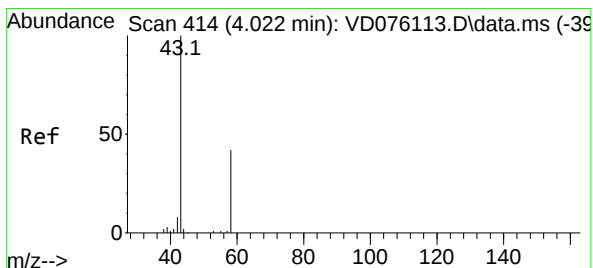
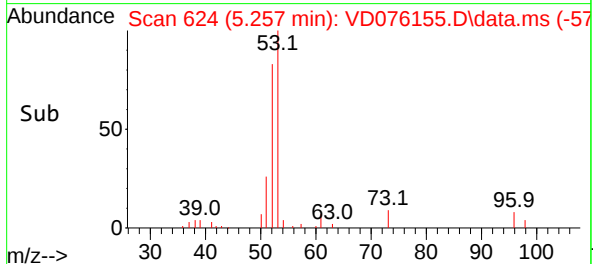
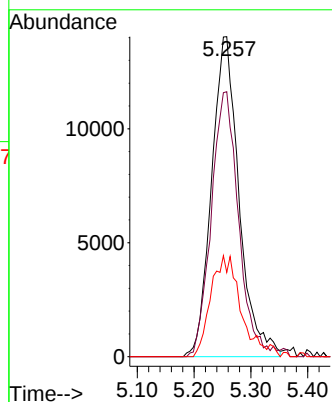
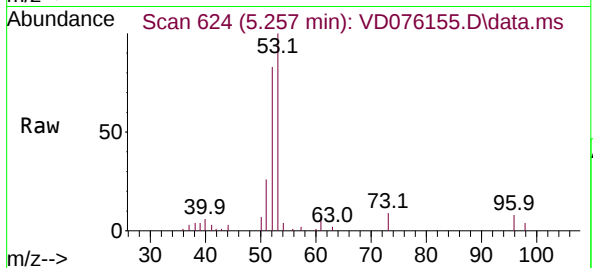




#15  
Acrylonitrile  
Concen: 112.533 ug/l  
RT: 5.257 min Scan# 61  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

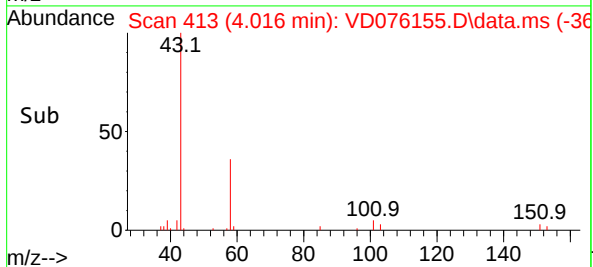
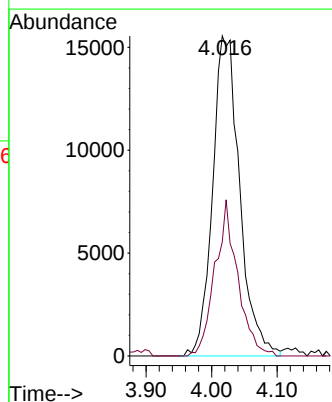
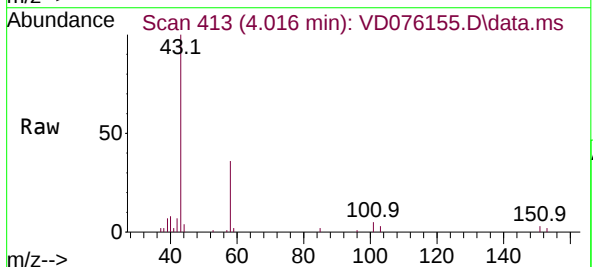
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

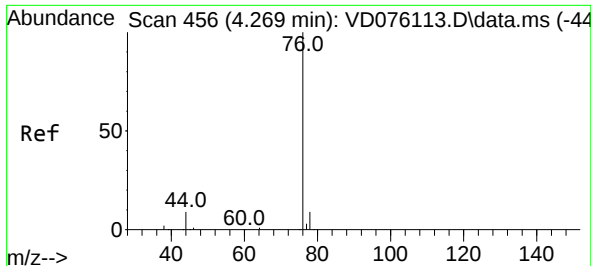
Tgt Ion: 53 Resp: 47179  
Ion Ratio Lower Upper  
53 100  
52 82.9 66.2 99.4  
51 33.7 30.7 46.1



#16  
Acetone  
Concen: 124.140 ug/l  
RT: 4.016 min Scan# 413  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 43 Resp: 44582  
Ion Ratio Lower Upper  
43 100  
58 35.7 24.4 36.6

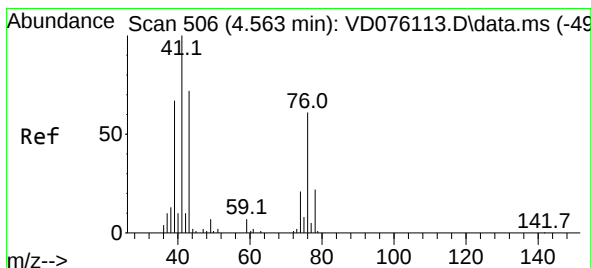
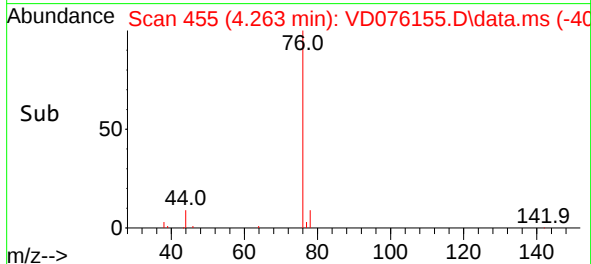
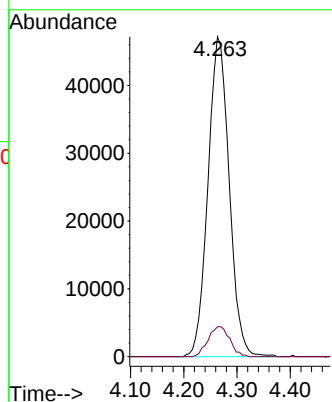
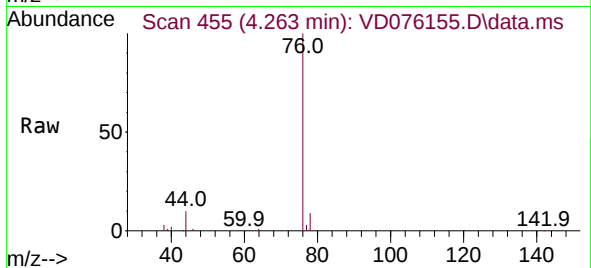




#17  
Carbon Disulfide  
Concen: 22.381 ug/l  
RT: 4.263 min Scan# 411  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

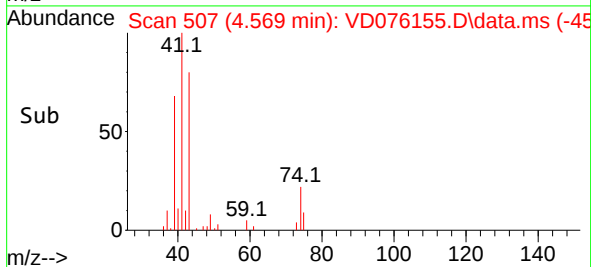
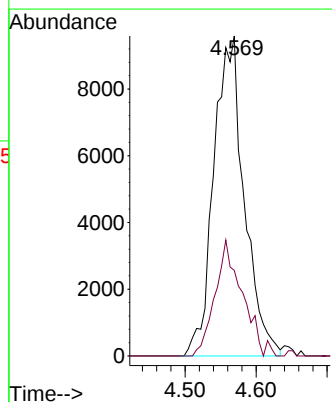
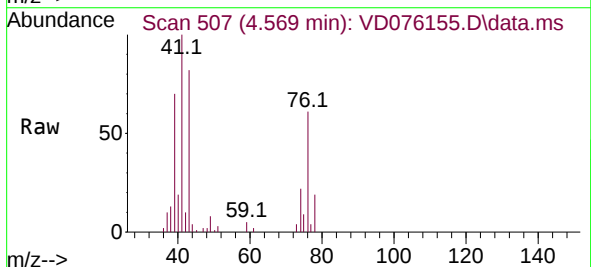
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

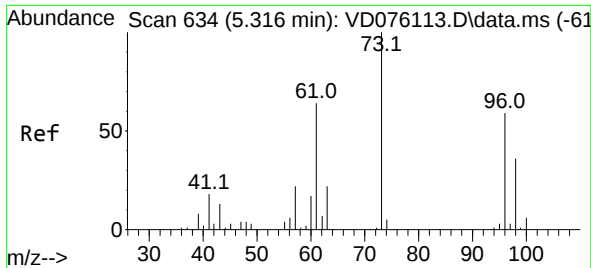
Tgt Ion: 76 Resp: 130704  
Ion Ratio Lower Upper  
76 100  
78 9.3 8.0 12.0



#18  
Methyl Acetate  
Concen: 22.295 ug/l  
RT: 4.569 min Scan# 507  
Delta R.T. 0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 43 Resp: 28562  
Ion Ratio Lower Upper  
43 100  
74 31.6 17.8 26.6#

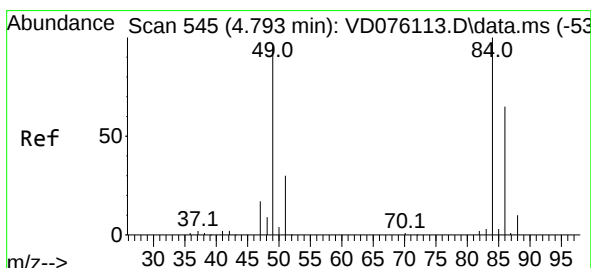
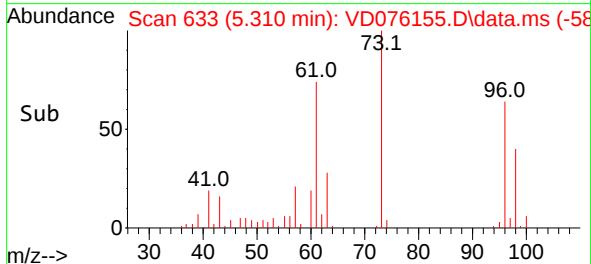
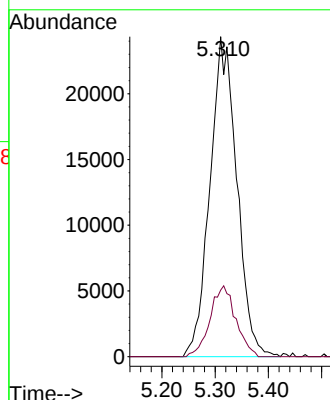
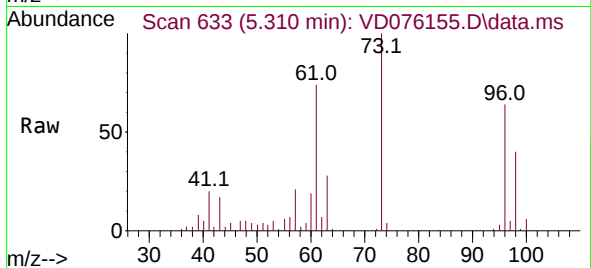




#19  
Methyl tert-butyl Ether  
Concen: 21.557 ug/l  
RT: 5.310 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

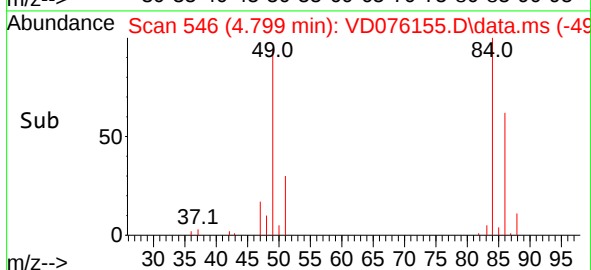
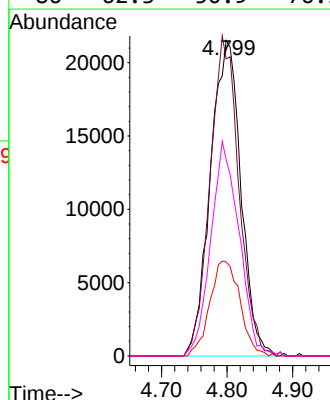
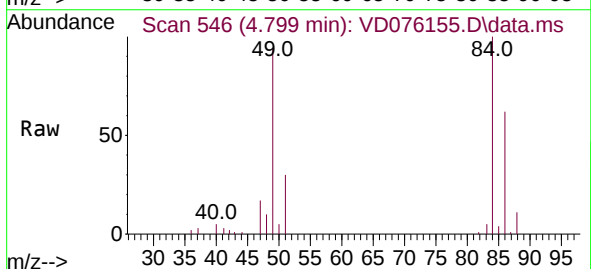
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

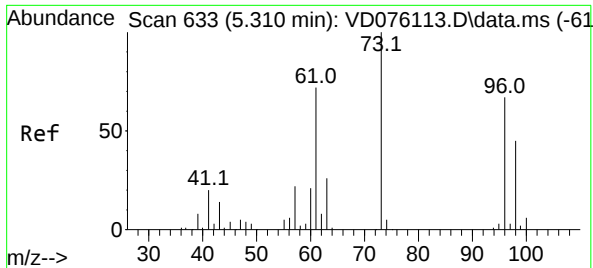
Tgt Ion: 73 Resp: 85166  
Ion Ratio Lower Upper  
73 100  
57 20.8 17.2 25.8



#20  
Methylene Chloride  
Concen: 18.417 ug/l  
RT: 4.799 min Scan# 546  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 84 Resp: 69443  
Ion Ratio Lower Upper  
84 100  
49 94.2 106.4 159.6#  
51 29.8 32.4 48.6#  
86 62.3 50.9 76.3

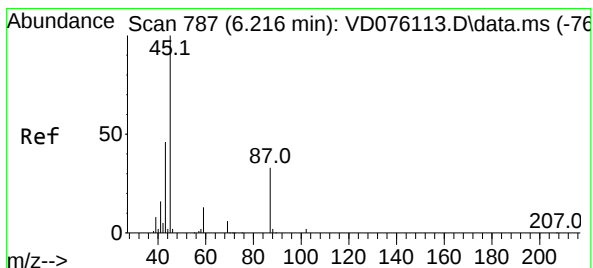
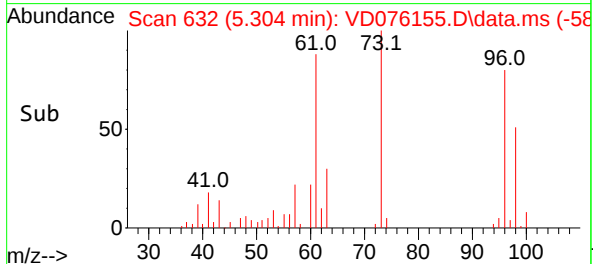
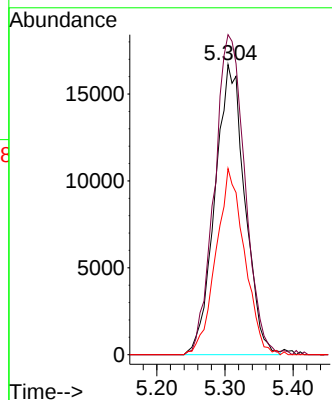
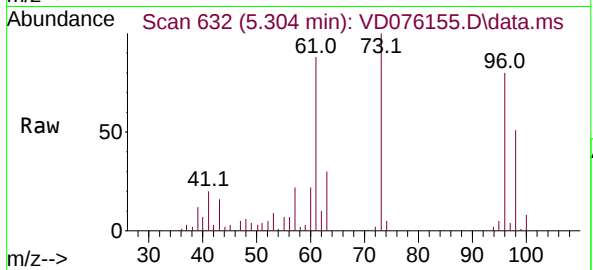




#21  
trans-1,2-Dichloroethene  
Concen: 21.937 ug/l  
RT: 5.304 min Scan# 61  
Delta R.T. -0.012 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

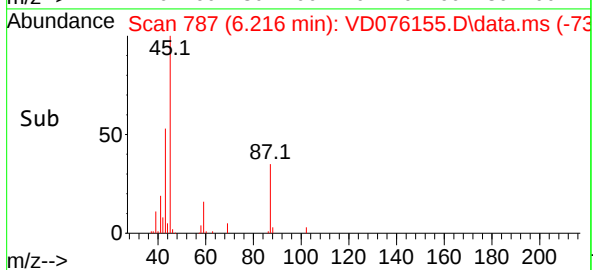
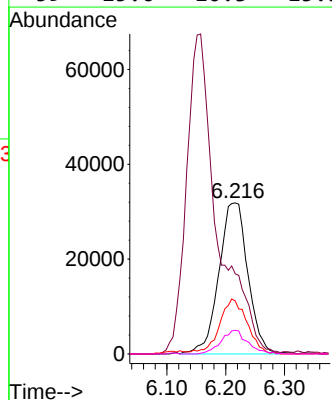
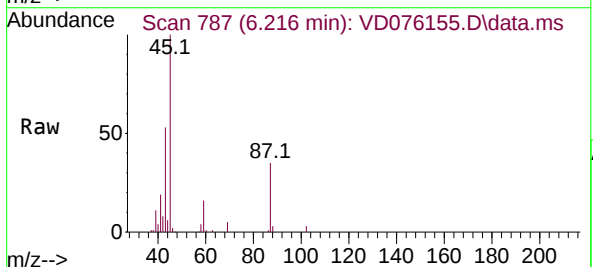
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

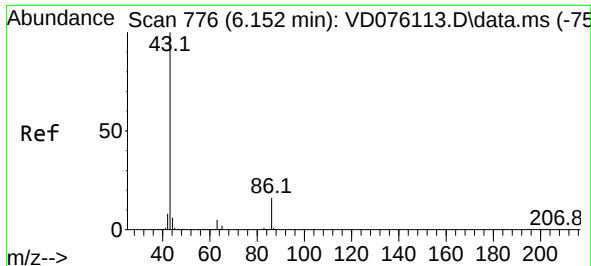
Tgt Ion: 96 Resp: 51034  
Ion Ratio Lower Upper  
96 100  
61 110.3 117.2 175.8#  
98 64.1 50.6 76.0



#22  
Diisopropyl ether  
Concen: 22.970 ug/l  
RT: 6.216 min Scan# 787  
Delta R.T. 0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 45 Resp: 109221  
Ion Ratio Lower Upper  
45 100  
43 52.1 44.4 66.6  
87 35.1 20.9 31.3#  
59 15.6 10.3 15.5#

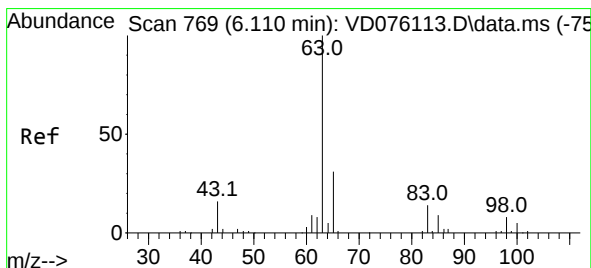
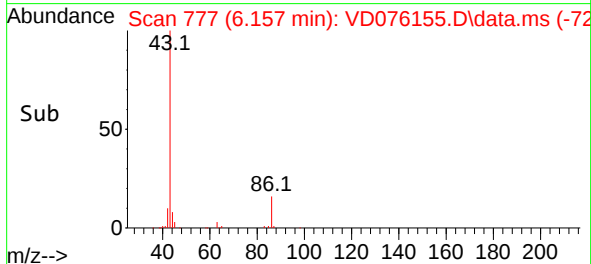
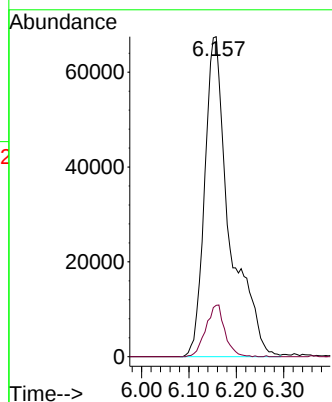
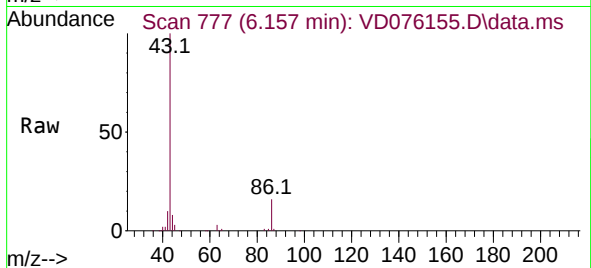




#23  
 Vinyl Acetate  
 Concen: 132.253 ug/l  
 RT: 6.157 min Scan# 71  
 Delta R.T. 0.005 min  
 Lab File: VD076155.D  
 Acq: 19 May 2023 14:13

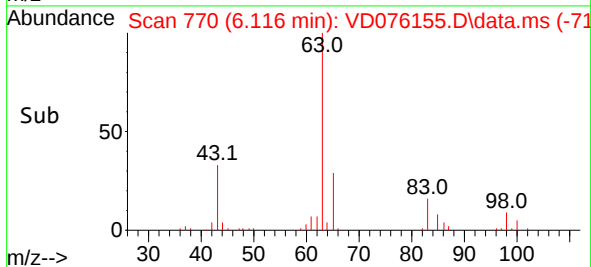
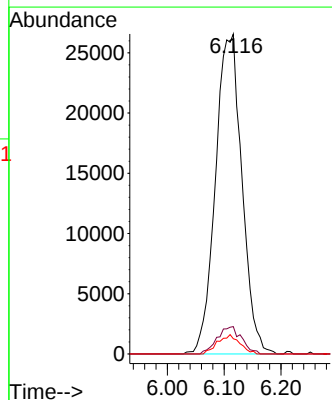
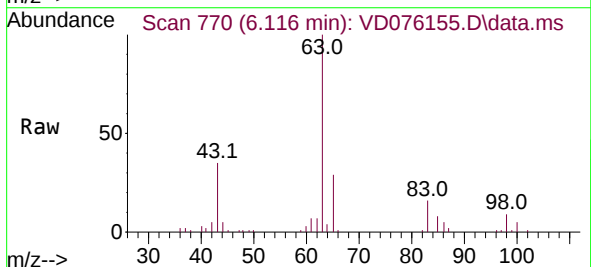
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0519SBS02

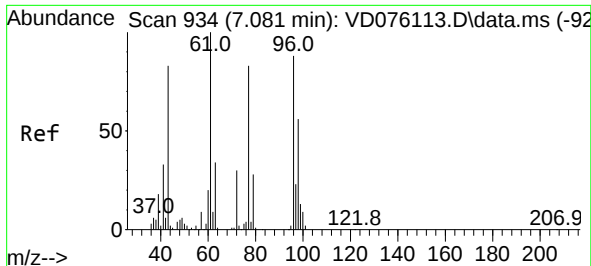
Tgt Ion: 43 Resp: 247264  
 Ion Ratio Lower Upper  
 43 100  
 86 16.1 9.0 13.6#



#24  
 1,1-Dichloroethane  
 Concen: 22.898 ug/l  
 RT: 6.116 min Scan# 770  
 Delta R.T. 0.006 min  
 Lab File: VD076155.D  
 Acq: 19 May 2023 14:13

Tgt Ion: 63 Resp: 85867  
 Ion Ratio Lower Upper  
 63 100  
 98 8.6 3.9 11.7  
 100 4.8 2.0 6.0

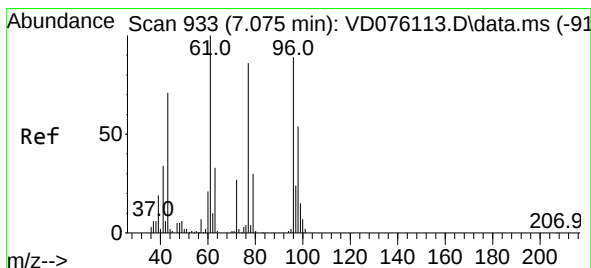
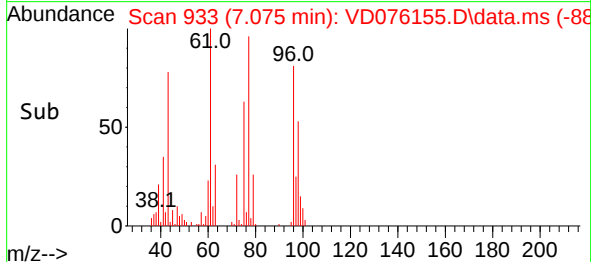
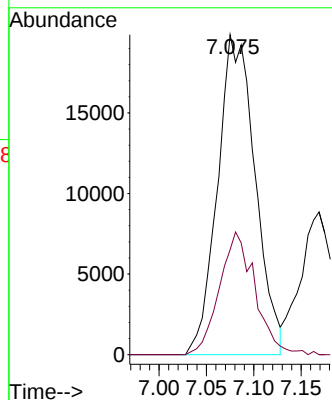
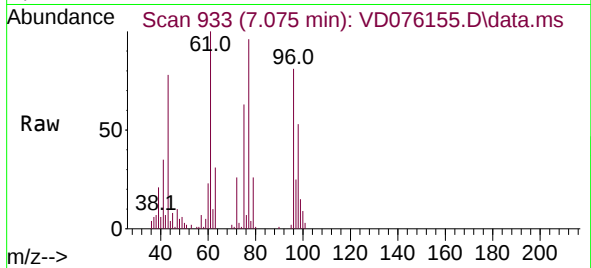




#25  
2-Butanone  
Concen: 121.345 ug/l  
RT: 7.075 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

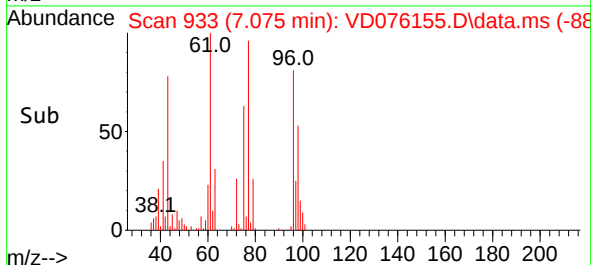
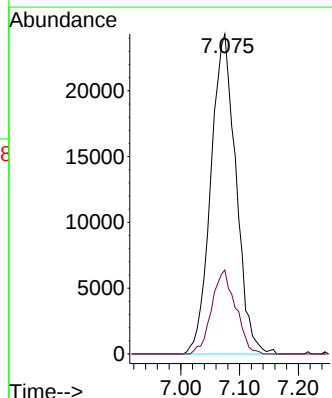
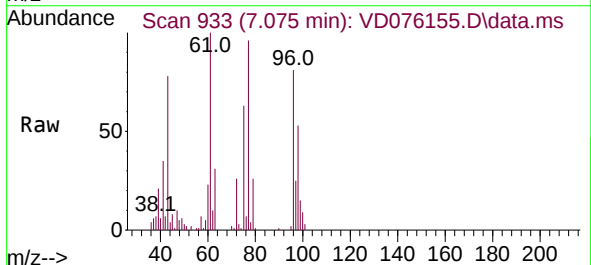
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

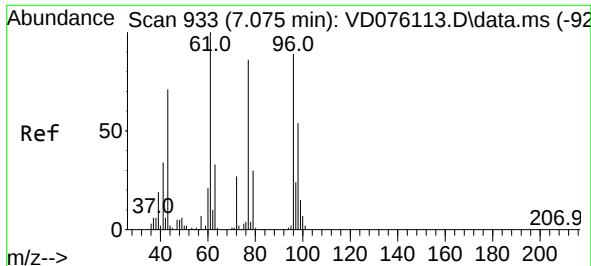
Tgt Ion: 43 Resp: 54794  
Ion Ratio Lower Upper  
43 100  
72 32.8 19.8 29.8#



#26  
2,2-Dichloropropane  
Concen: 23.591 ug/l  
RT: 7.075 min Scan# 933  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 77 Resp: 72135  
Ion Ratio Lower Upper  
77 100  
97 25.1 11.1 33.1



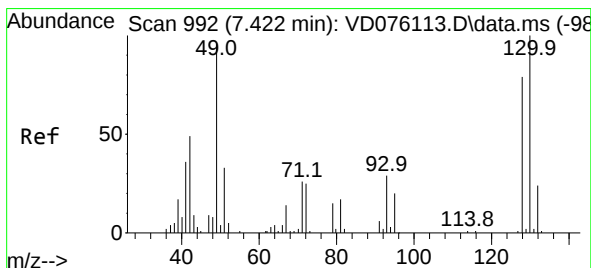
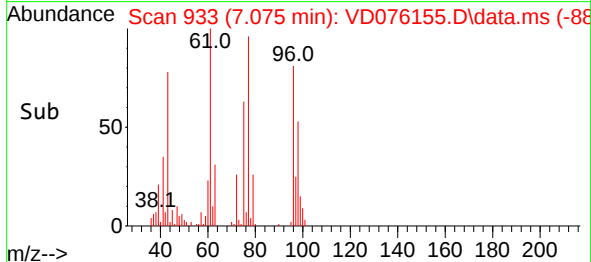
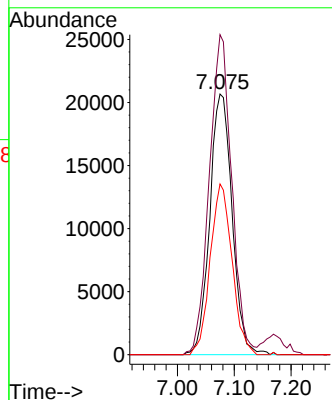
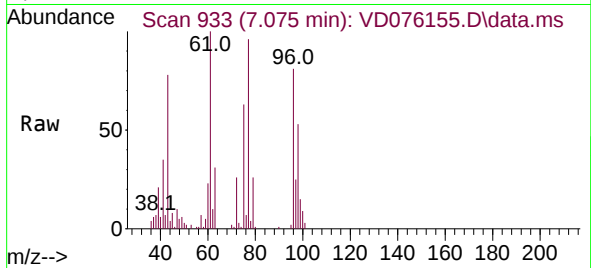


#27  
 cis-1,2-Dichloroethene  
 Concen: 21.902 ug/l  
 RT: 7.075 min Scan# 91  
 Delta R.T. -0.006 min  
 Lab File: VD076155.D  
 Acq: 19 May 2023 14:13

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0519SBS02

Tgt Ion: 96 Resp: 56541  

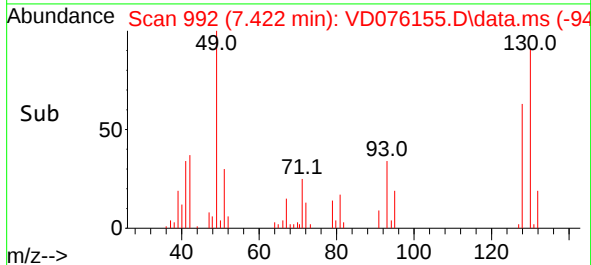
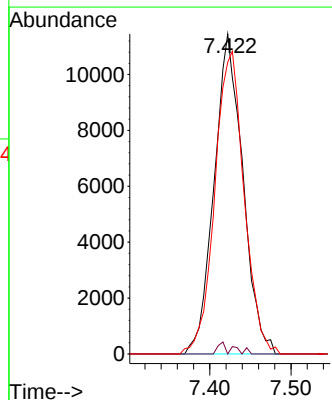
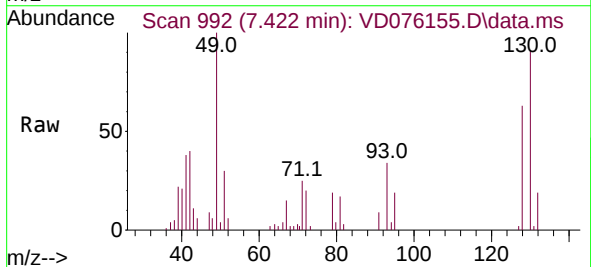
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 123.0 | 0.0   | 295.2 |
| 98  | 63.9  | 0.0   | 129.2 |

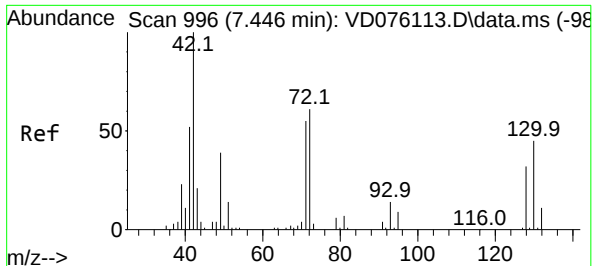


#28  
 Bromochloromethane  
 Concen: 22.458 ug/l  
 RT: 7.422 min Scan# 992  
 Delta R.T. -0.000 min  
 Lab File: VD076155.D  
 Acq: 19 May 2023 14:13

Tgt Ion: 49 Resp: 28081  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 0.9   | 0.0   | 2.2   |
| 130 | 96.7  | 56.0  | 84.0  |





#29

Tetrahydrofuran

Concen: 113.552 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBS02

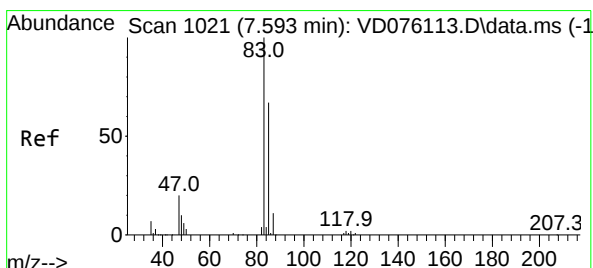
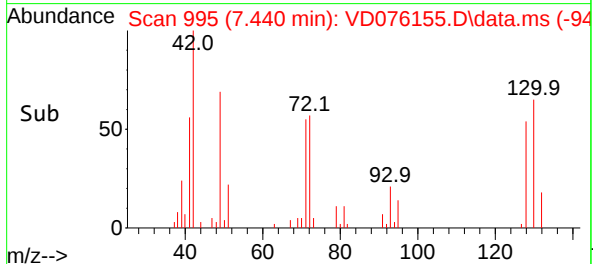
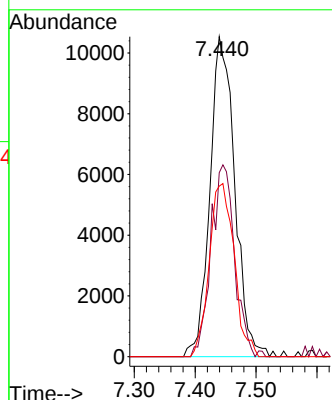
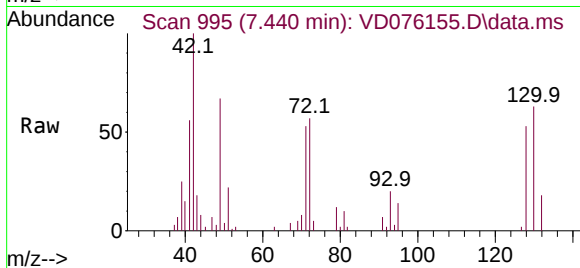
Tgt Ion: 42 Resp: 29886

Ion Ratio Lower Upper

42 100

72 56.7 31.8 47.6#

71 54.2 27.6 41.4#



#30

Chloroform

Concen: 22.902 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD076155.D

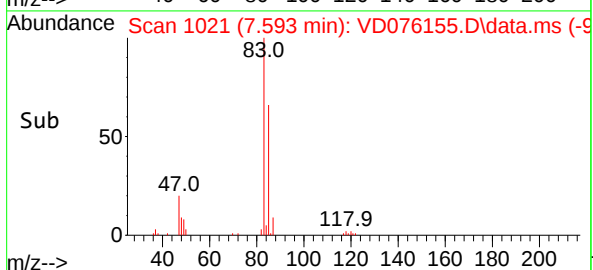
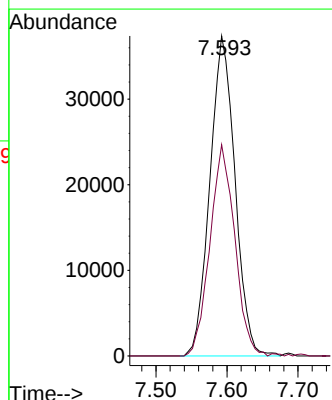
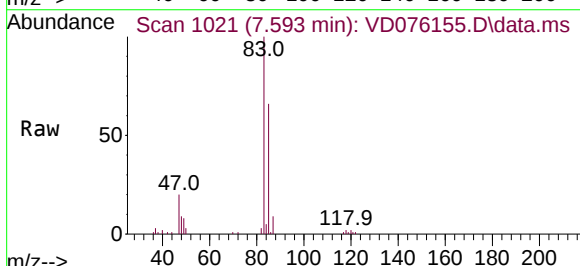
Acq: 19 May 2023 14:13

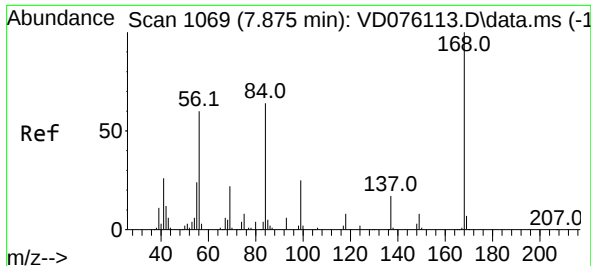
Tgt Ion: 83 Resp: 91842

Ion Ratio Lower Upper

83 100

85 66.0 49.4 74.2

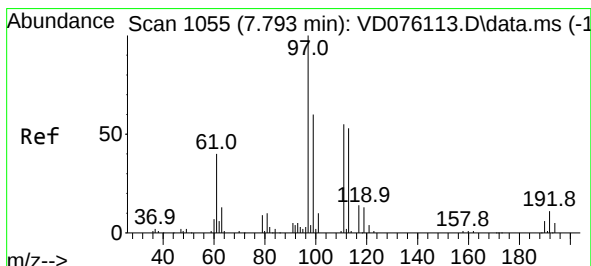
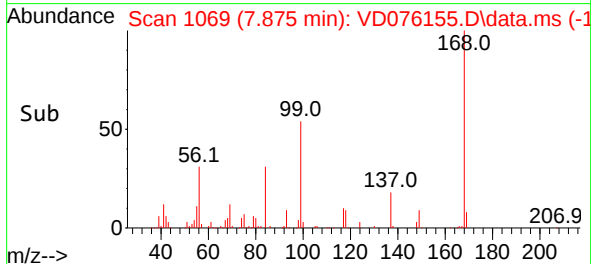
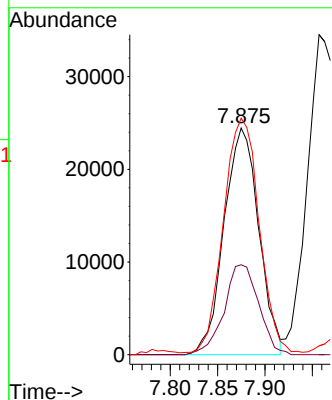
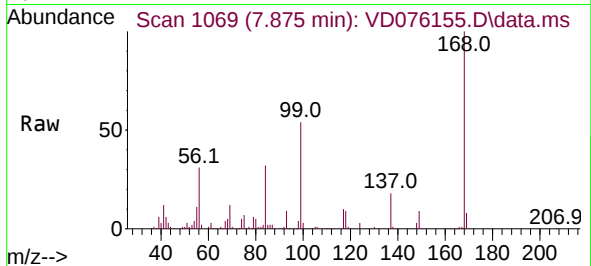




#31  
Cyclohexane  
Concen: 22.576 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

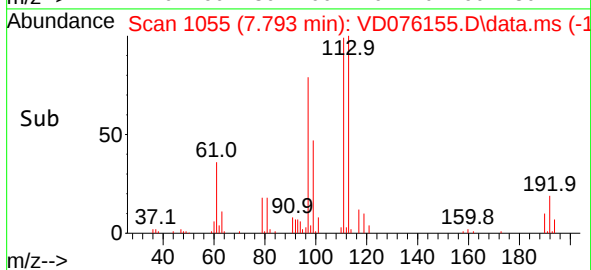
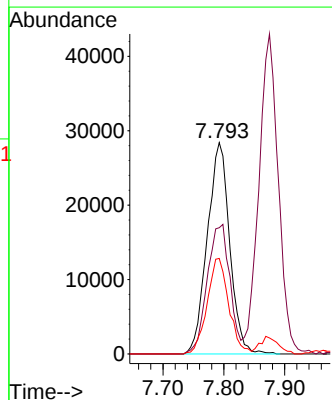
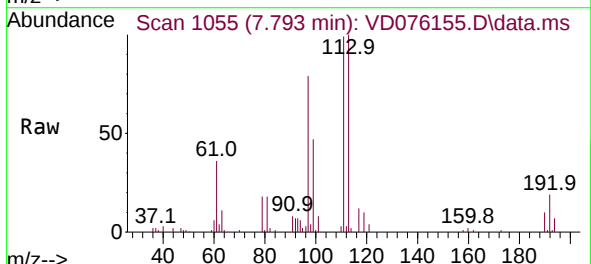
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

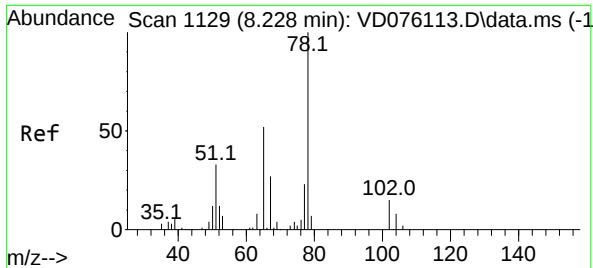
Tgt Ion: 56 Resp: 62408  
Ion Ratio Lower Upper  
56 100  
69 39.7 25.5 38.3#  
84 103.4 69.6 104.4



#32  
1,1,1-Trichloroethane  
Concen: 22.729 ug/l  
RT: 7.793 min Scan# 1055  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 97 Resp: 72638  
Ion Ratio Lower Upper  
97 100  
99 61.8 50.5 75.7  
61 43.6 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 52.448 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

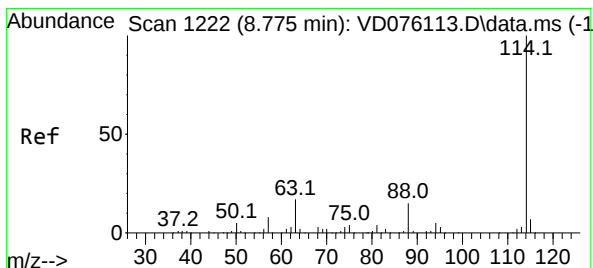
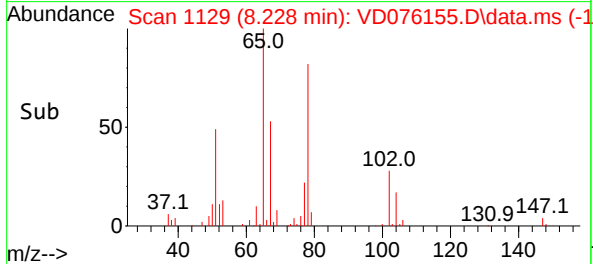
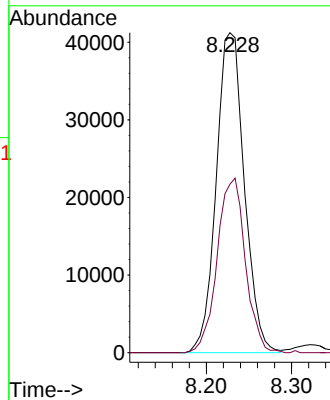
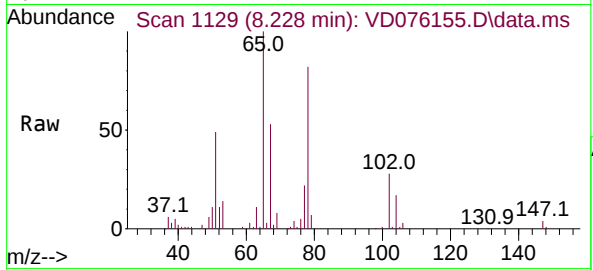
VD0519SBS02

Tgt Ion: 65 Resp: 94668

Ion Ratio Lower Upper

65 100

67 54.6 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

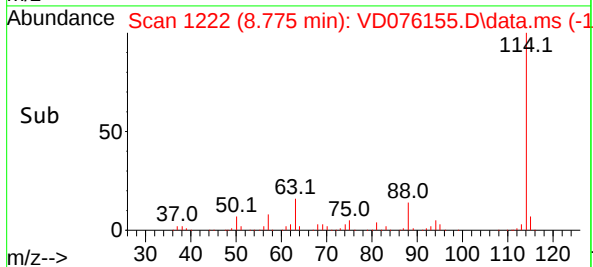
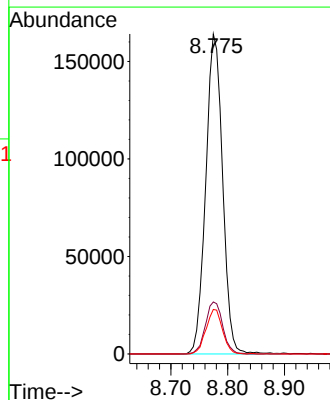
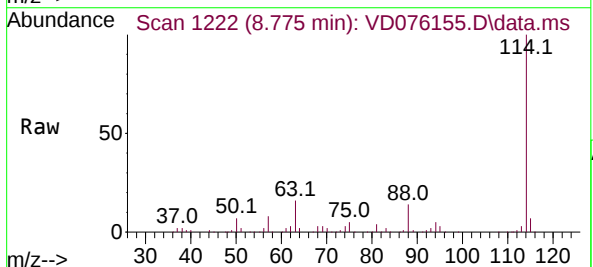
Tgt Ion: 114 Resp: 337171

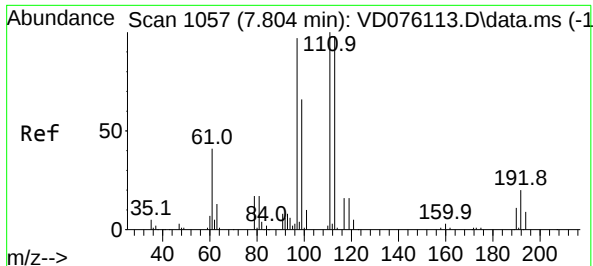
Ion Ratio Lower Upper

114 100

63 16.2 0.0 41.6

88 13.9 0.0 30.6

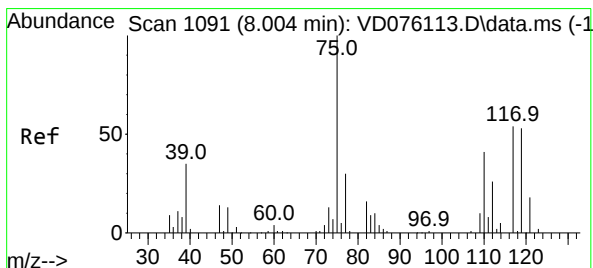
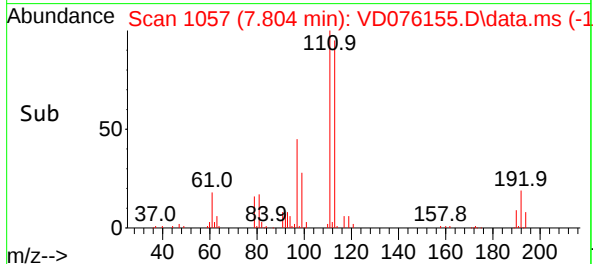
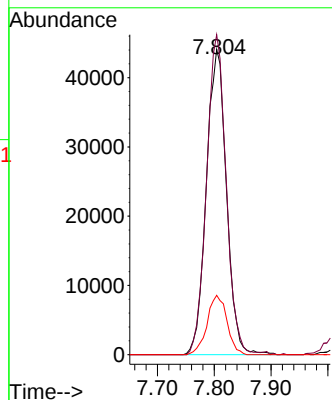
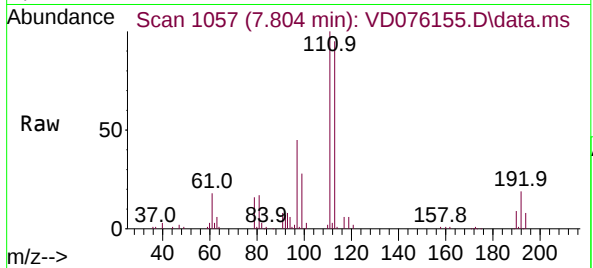




#35  
Dibromofluoromethane  
Concen: 46.490 ug/l  
RT: 7.804 min Scan# 1057  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

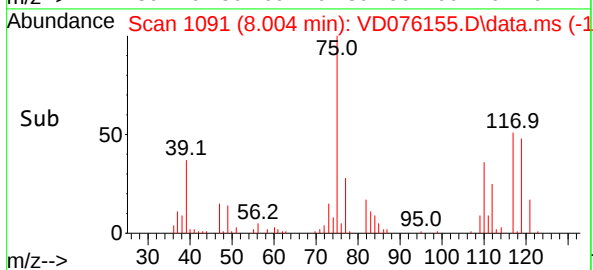
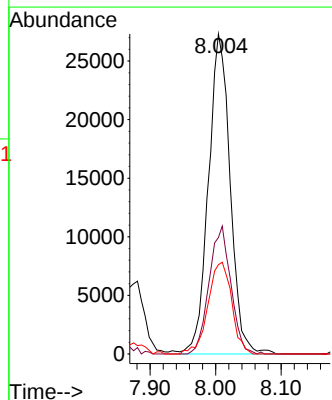
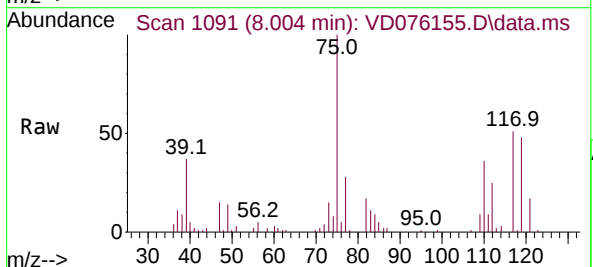
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

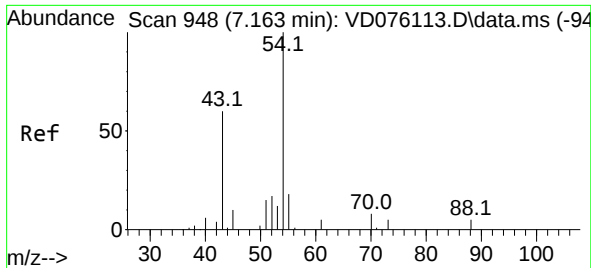
Tgt Ion:113 Resp: 108350  
Ion Ratio Lower Upper  
113 100  
111 102.0 81.4 122.0  
192 19.2 15.2 22.8



#36  
1,1-Dichloropropene  
Concen: 19.976 ug/l  
RT: 8.004 min Scan# 1091  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 75 Resp: 62875  
Ion Ratio Lower Upper  
75 100  
110 39.9 17.1 51.2  
77 31.2 24.6 36.8

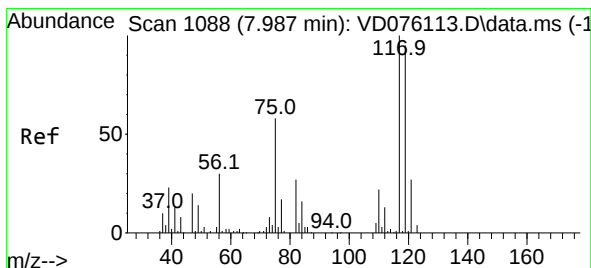
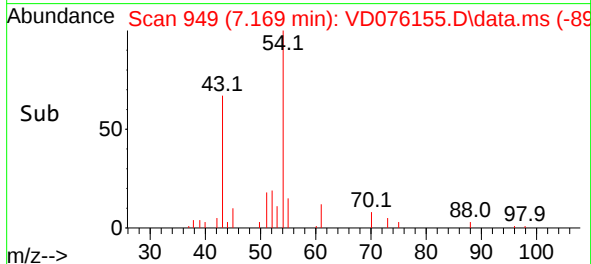
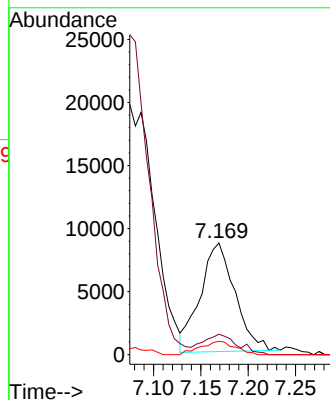
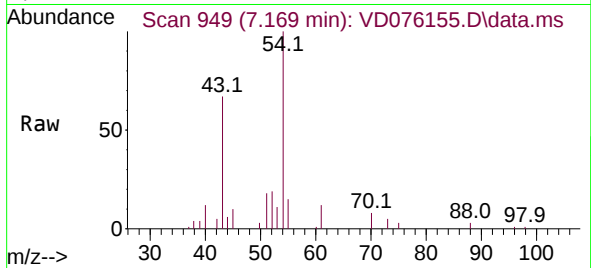




#37  
Ethyl Acetate  
Concen: 20.229 ug/l  
RT: 7.169 min Scan# 948  
Delta R.T. 0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

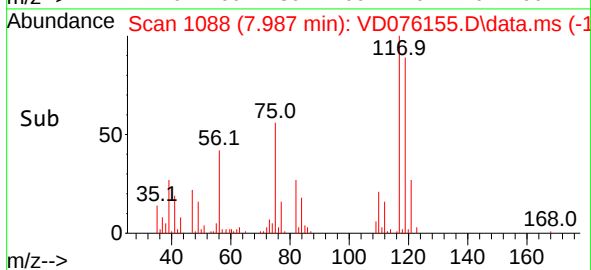
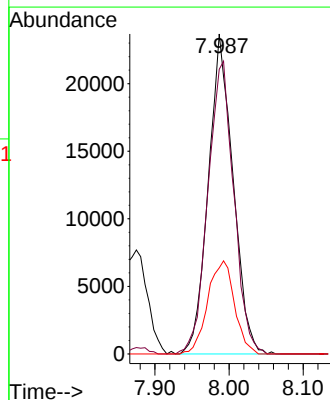
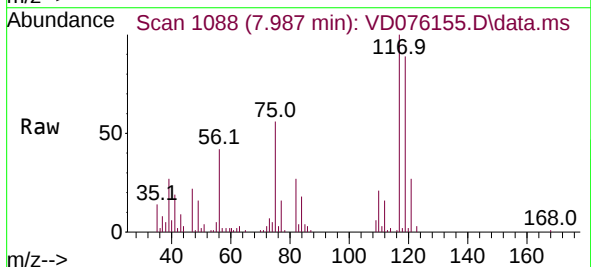
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

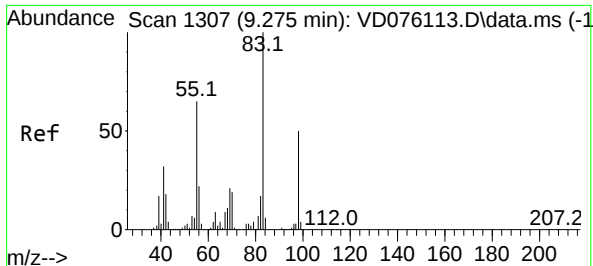
Tgt Ion: 43 Resp: 22048  
Ion Ratio Lower Upper  
43 100  
61 18.6 0.0 0.0#  
70 12.3 5.6 8.4#



#38  
Carbon Tetrachloride  
Concen: 19.308 ug/l  
RT: 7.987 min Scan# 1088  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 117 Resp: 54894  
Ion Ratio Lower Upper  
117 100  
119 89.0 74.7 112.1  
121 26.9 25.9 38.9





#39

Methylcyclohexane

Concen: 19.338 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBS02

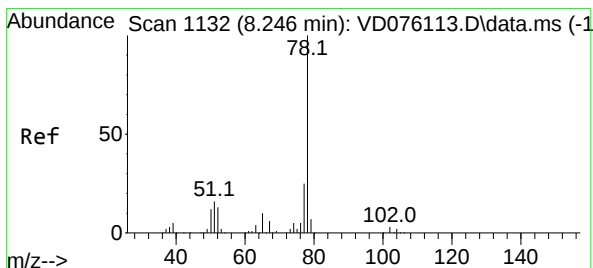
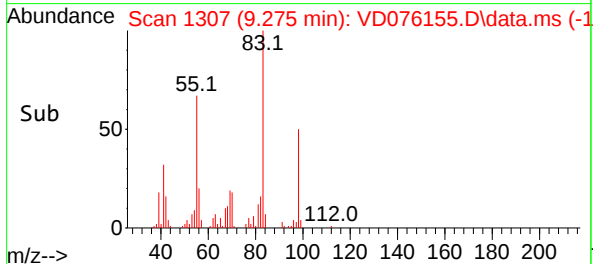
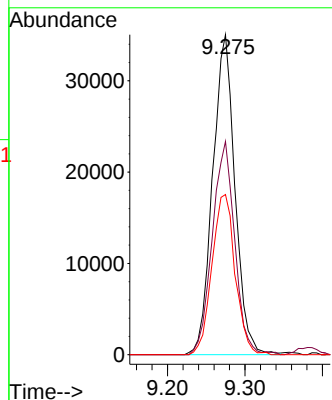
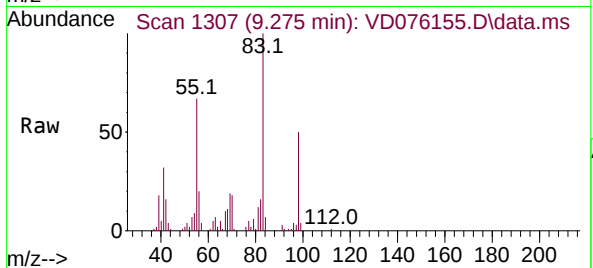
Tgt Ion: 83 Resp: 70077

Ion Ratio Lower Upper

83 100

55 66.6 56.8 85.2

98 50.1 38.9 58.3



#40

Benzene

Concen: 20.174 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.001 min

Lab File: VD076155.D

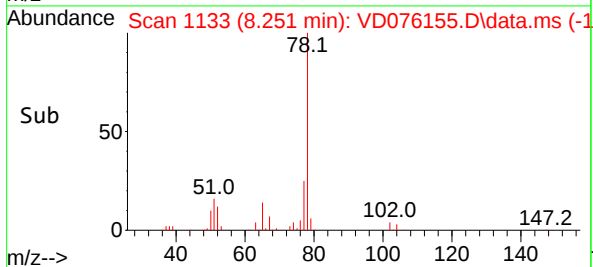
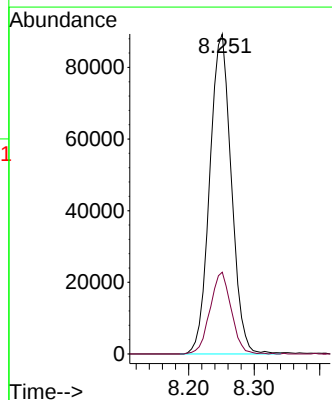
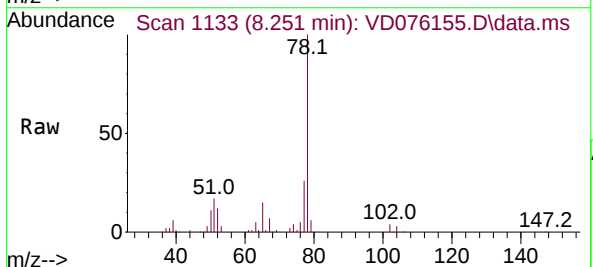
Acq: 19 May 2023 14:13

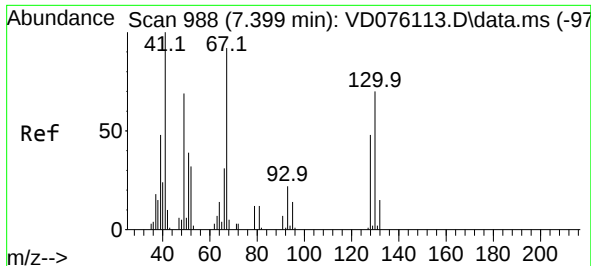
Tgt Ion: 78 Resp: 204148

Ion Ratio Lower Upper

78 100

77 25.5 19.1 28.7

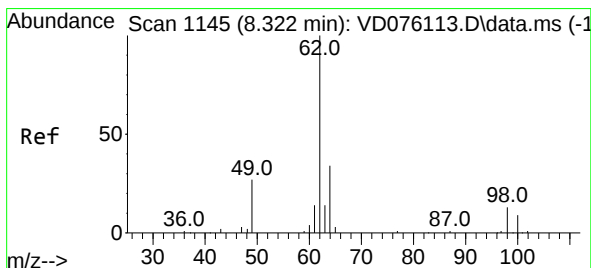
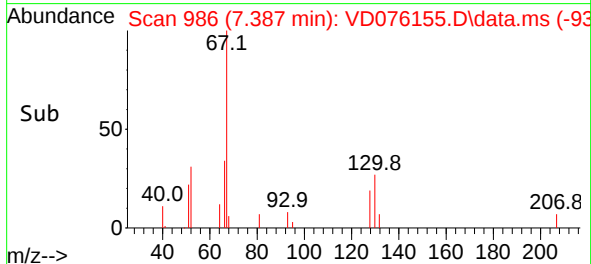
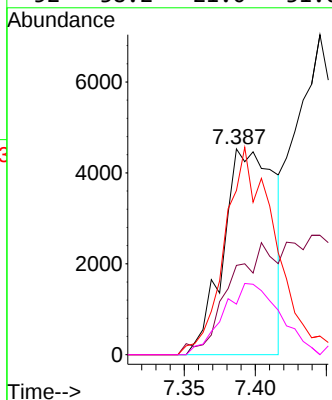
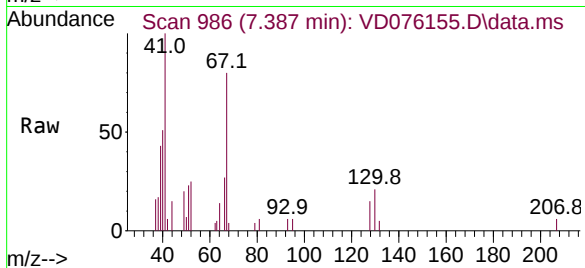




#41  
Methacrylonitrile  
Concen: 19.072 ug/l  
RT: 7.387 min Scan# 911  
Delta R.T. -0.012 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

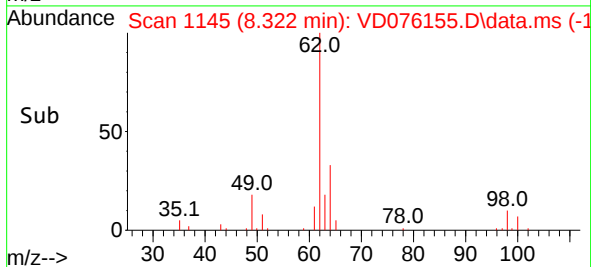
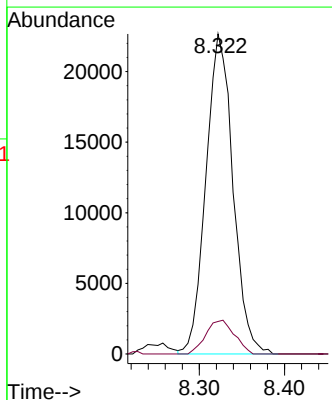
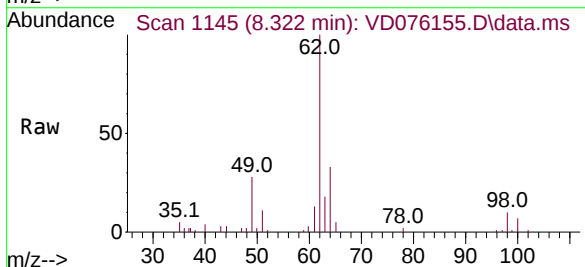
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

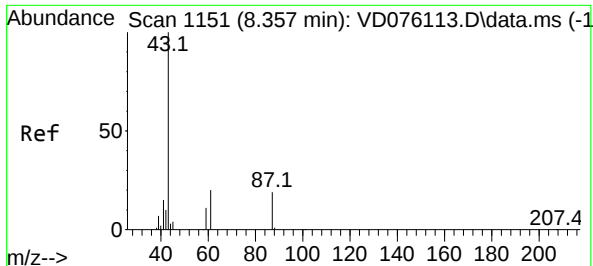
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 11398 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 49.8  | 45.3  | 67.9  |
| 67       | 99.9  | 50.5  | 75.7# |
| 52       | 38.2  | 21.0  | 31.6# |



#42  
1,2-Dichloroethane  
Concen: 20.864 ug/l  
RT: 8.322 min Scan# 1145  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 49939 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 11.1  | 0.0   | 18.8  |





#43

Isopropyl Acetate

Concen: 19.860 ug/l

RT: 8.357 min Scan# 1151

Delta R.T. 0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBS02

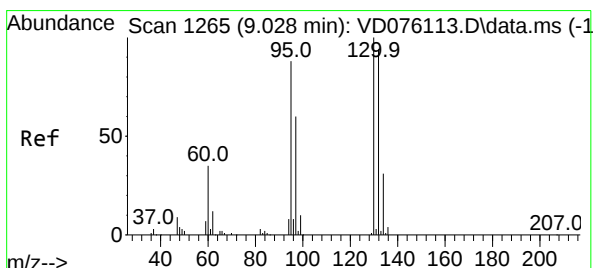
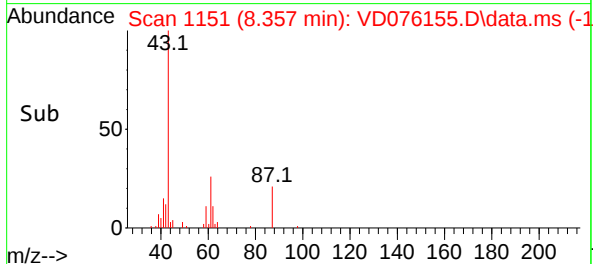
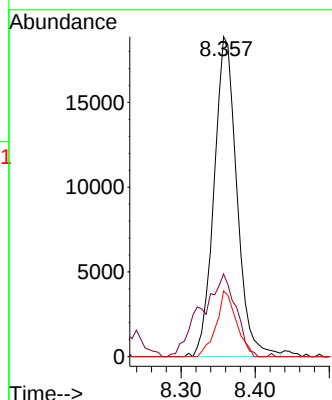
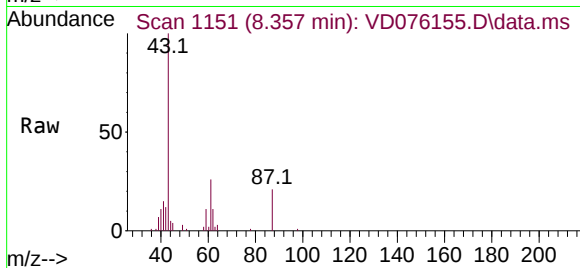
Tgt Ion: 43 Resp: 40436

Ion Ratio Lower Upper

43 100

61 39.0 23.4 35.0#

87 18.2 9.5 14.3#



#44

Trichloroethene

Concen: 18.689 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. -0.000 min

Lab File: VD076155.D

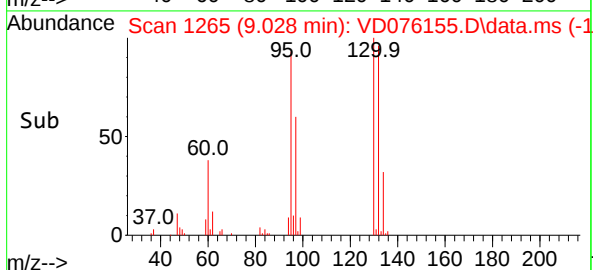
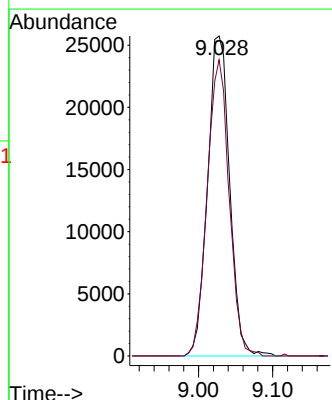
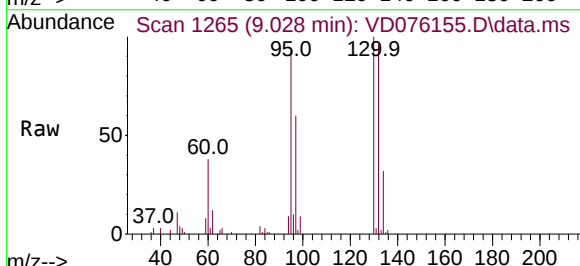
Acq: 19 May 2023 14:13

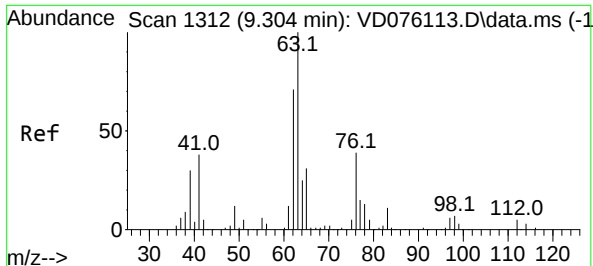
Tgt Ion:130 Resp: 53299

Ion Ratio Lower Upper

130 100

95 92.5 0.0 197.6





#45

1,2-Dichloropropane

Concen: 19.783 ug/l

RT: 9.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

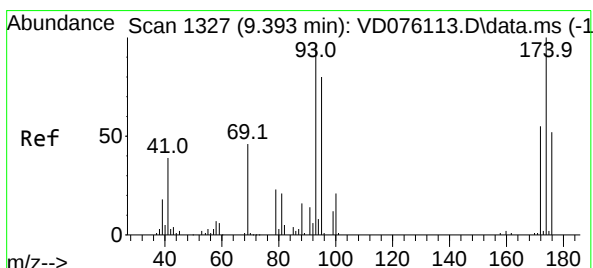
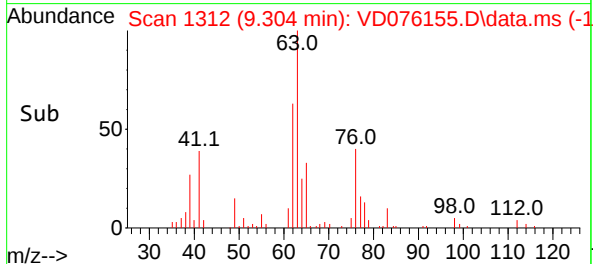
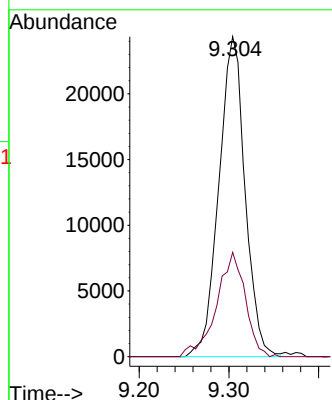
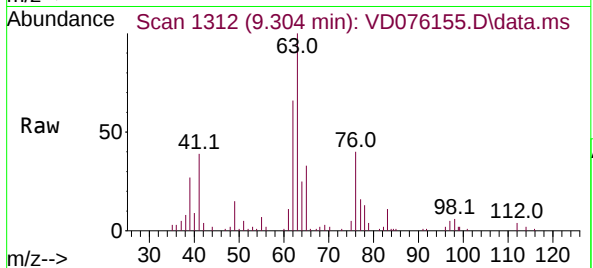
VD0519SBS02

Tgt Ion: 63 Resp: 49379

Ion Ratio Lower Upper

63 100

65 32.6 23.0 34.4



#46

Dibromomethane

Concen: 20.213 ug/l

RT: 9.392 min Scan# 1327

Delta R.T. -0.001 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

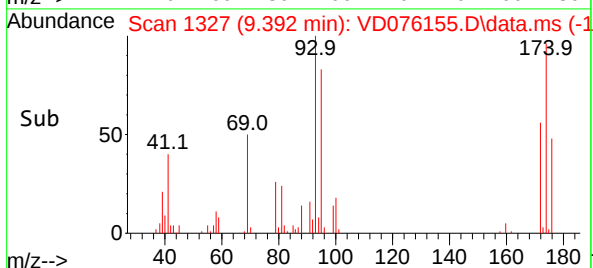
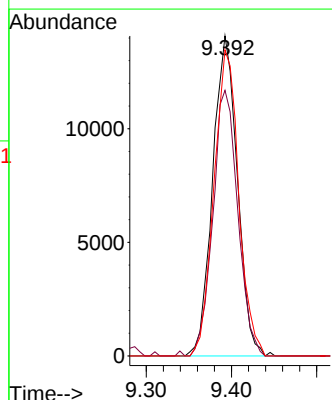
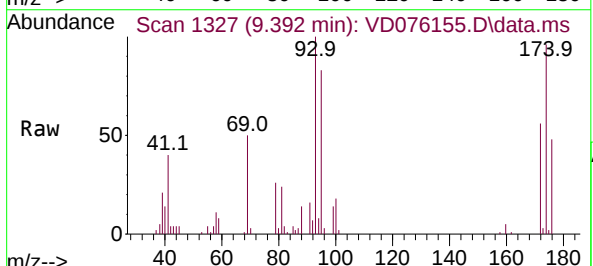
Tgt Ion: 93 Resp: 28280

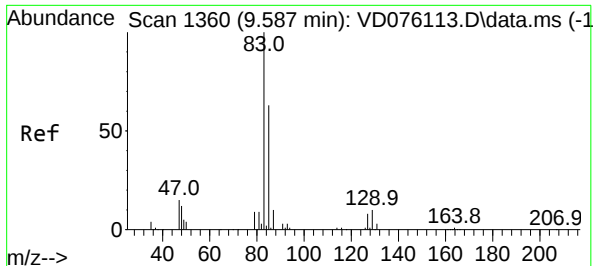
Ion Ratio Lower Upper

93 100

95 84.0 64.5 96.7

174 96.1 76.2 114.4





#47

Bromodichloromethane

Concen: 20.117 ug/l

RT: 9.581 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBS02

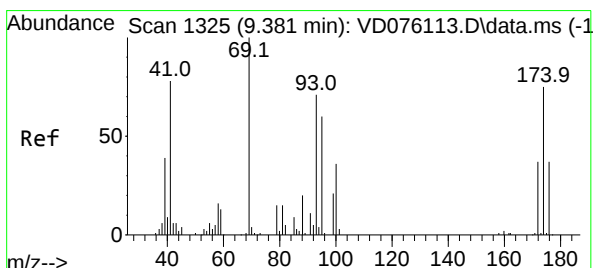
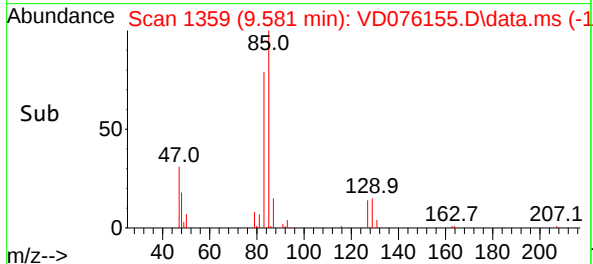
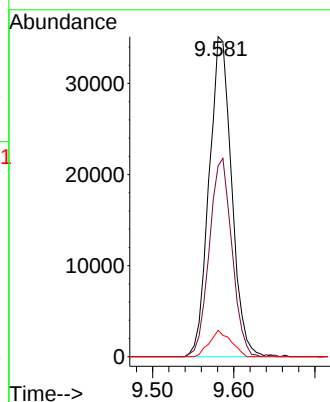
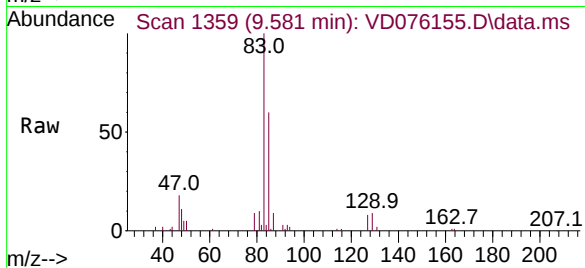
Tgt Ion: 83 Resp: 67644

Ion Ratio Lower Upper

83 100

85 59.7 53.7 80.5

127 8.3 7.0 10.6



#48

Methyl methacrylate

Concen: 20.007 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

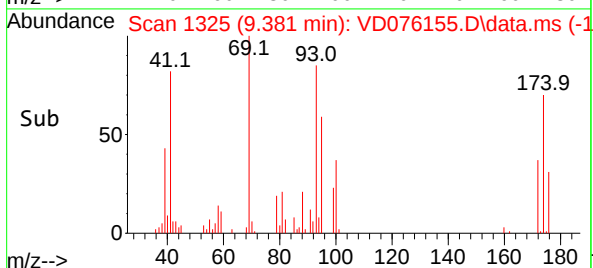
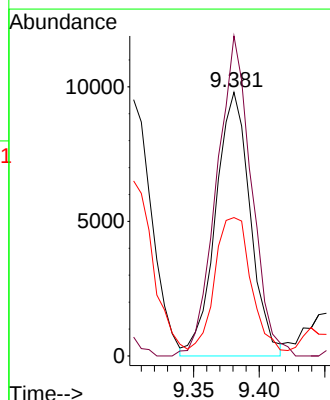
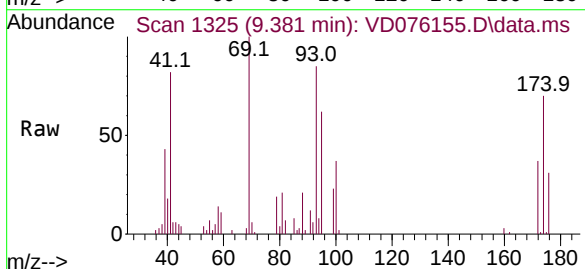
Tgt Ion: 41 Resp: 18029

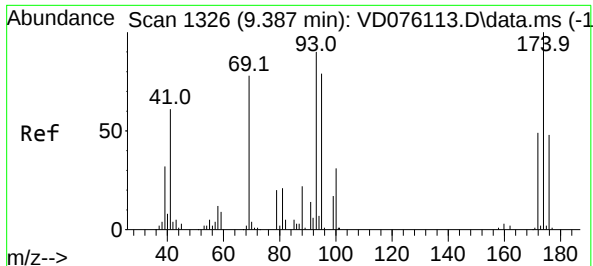
Ion Ratio Lower Upper

41 100

69 121.7 58.6 88.0#

39 56.8 53.4 80.0





#49

1,4-Dioxane

Concen: 363.530 ug/l

RT: 9.381 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBS02

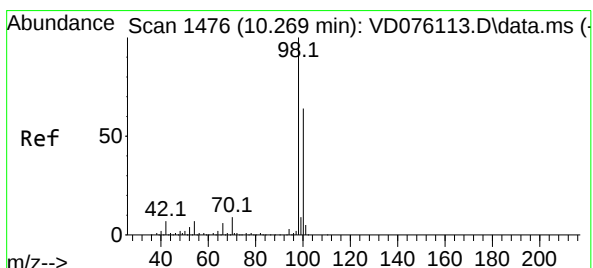
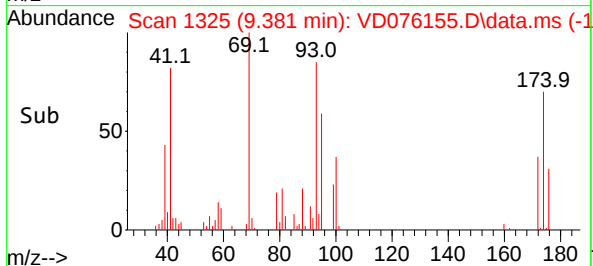
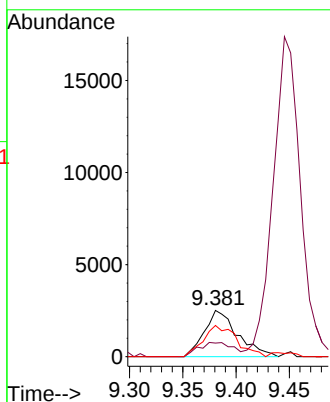
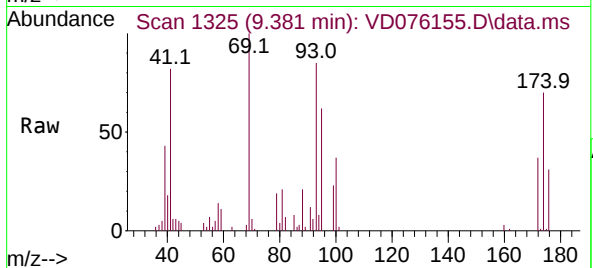
Tgt Ion: 88 Resp: 5439

Ion Ratio Lower Upper

88 100

43 31.5 34.6 51.8#

58 67.8 58.0 87.0



#50

Toluene-d8

Concen: 46.691 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076155.D

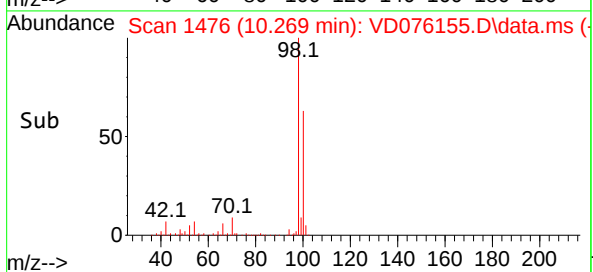
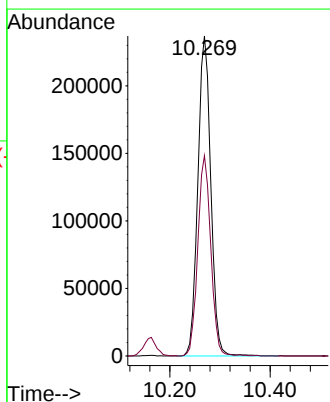
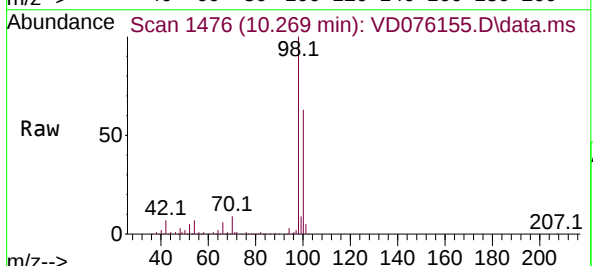
Acq: 19 May 2023 14:13

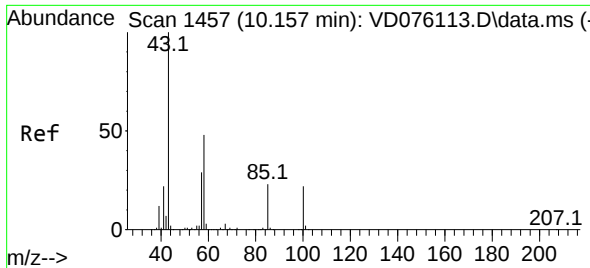
Tgt Ion: 98 Resp: 424198

Ion Ratio Lower Upper

98 100

100 62.6 52.1 78.1

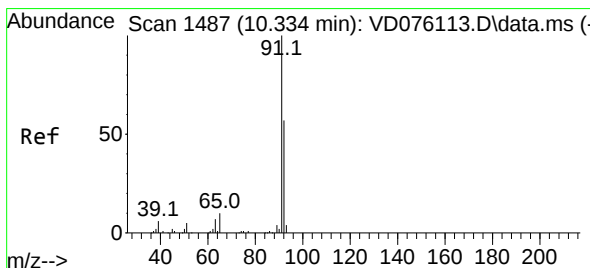
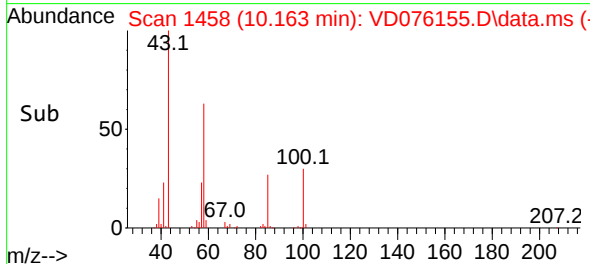
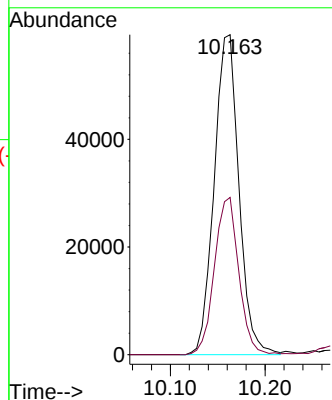
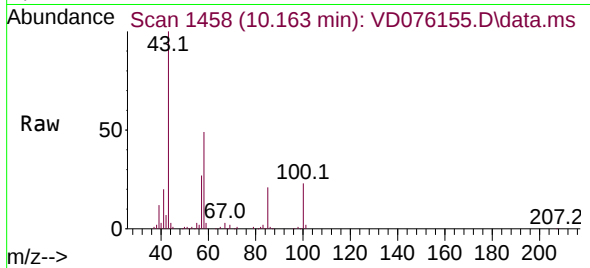




#51  
4-Methyl-2-Pentanone  
Concen: 99.678 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

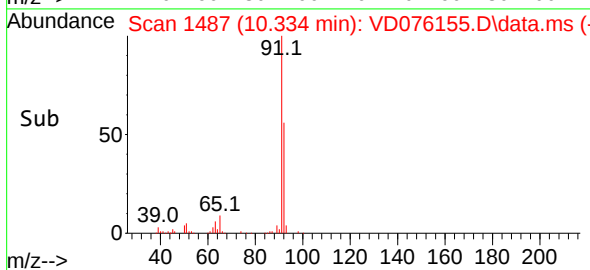
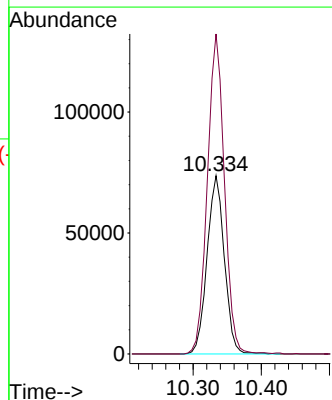
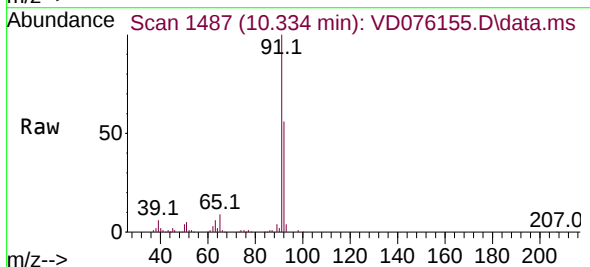
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

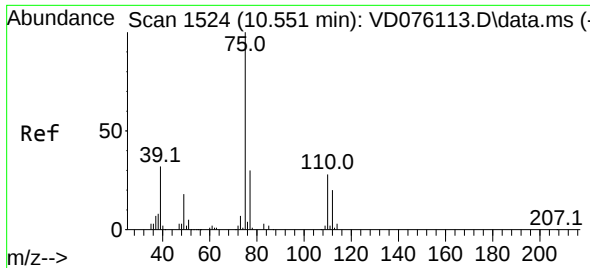
Tgt Ion: 43 Resp: 107938  
Ion Ratio Lower Upper  
43 100  
58 48.5 29.5 44.3#



#52  
Toluene  
Concen: 20.563 ug/l  
RT: 10.334 min Scan# 1487  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 92 Resp: 129967  
Ion Ratio Lower Upper  
92 100  
91 177.1 136.5 204.7

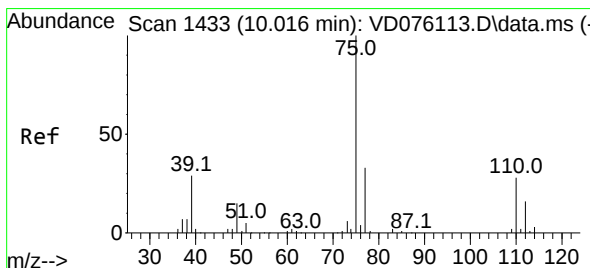
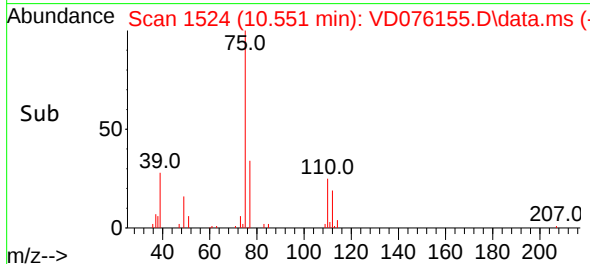
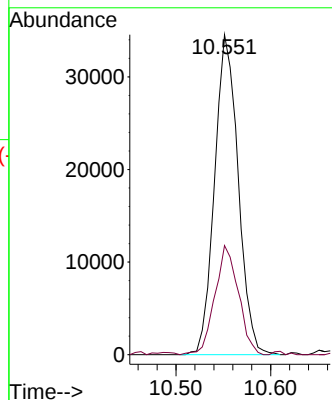
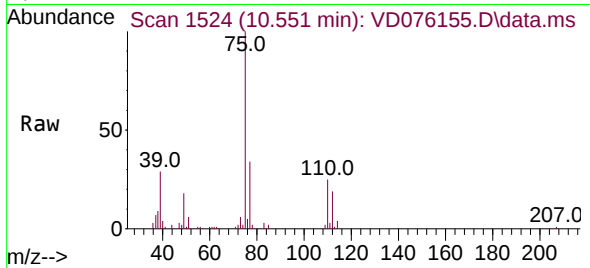




#53  
t-1,3-Dichloropropene  
Concen: 19.744 ug/l  
RT: 10.551 min Scan# 1524  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

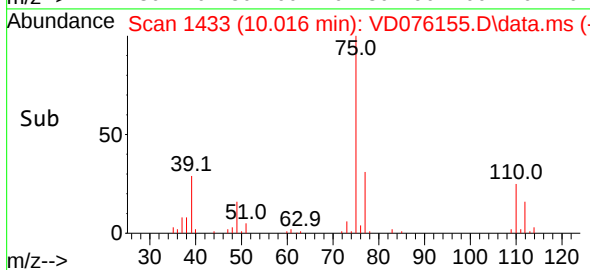
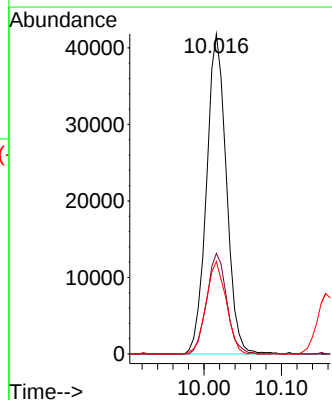
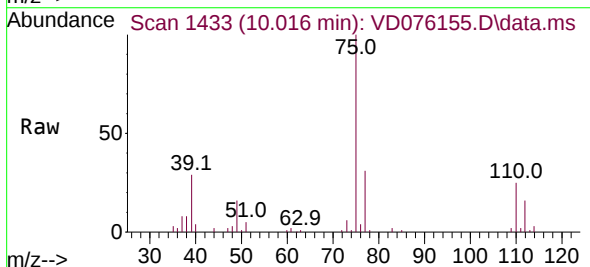
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

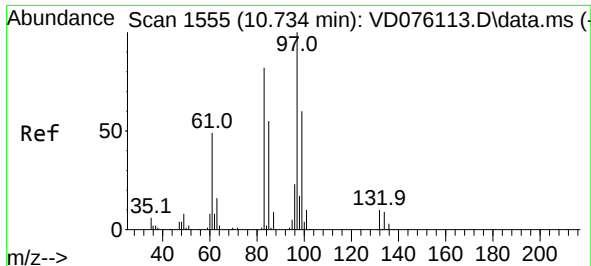
Tgt Ion: 75 Resp: 59838  
Ion Ratio Lower Upper  
75 100  
77 34.1 26.3 39.5



#54  
cis-1,3-Dichloropropene  
Concen: 20.087 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 75 Resp: 74292  
Ion Ratio Lower Upper  
75 100  
77 31.4 25.6 38.4  
39 28.9 44.8 67.2#

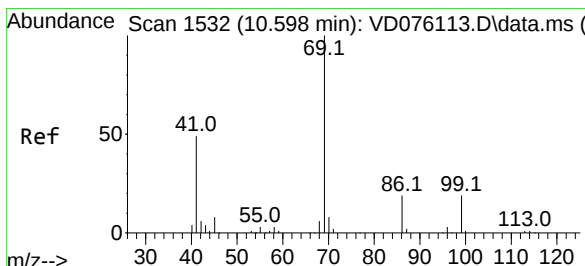
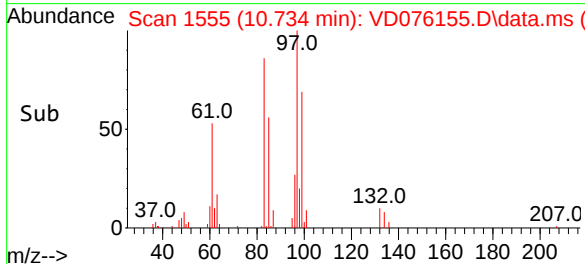
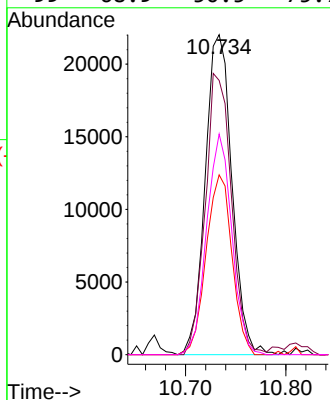
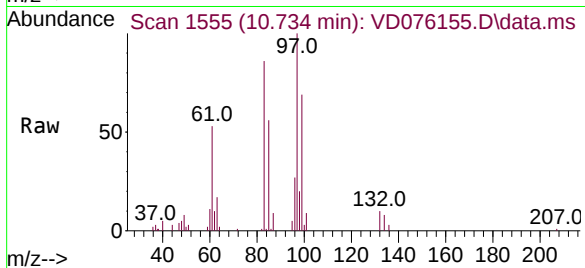




#55  
1,1,2-Trichloroethane  
Concen: 20.391 ug/l  
RT: 10.734 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

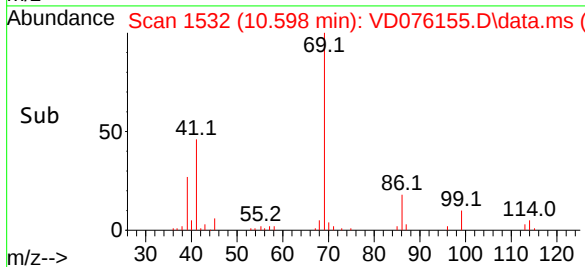
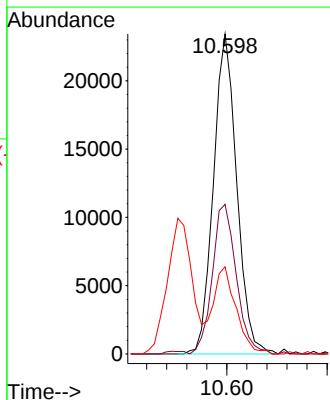
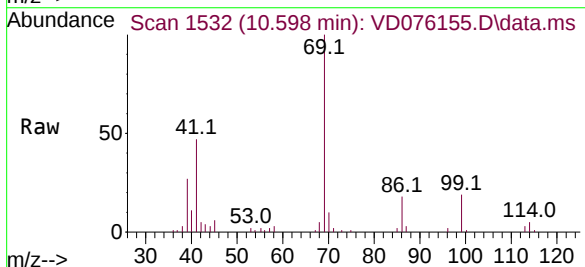
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

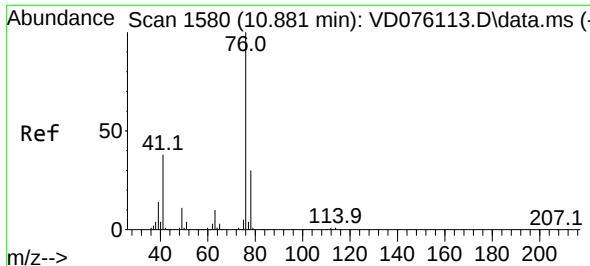
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 40913 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 85.7  | 74.2  | 111.4 |
| 85       | 56.2  | 45.4  | 68.0  |
| 99       | 68.9  | 50.5  | 75.7  |



#56  
Ethyl methacrylate  
Concen: 18.717 ug/l  
RT: 10.598 min Scan# 1532  
Delta R.T. 0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 37747 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 48.1  | 59.3  | 88.9# |
| 39       | 27.5  | 36.0  | 54.0# |





#57

1,3-Dichloropropane

Concen: 19.721 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

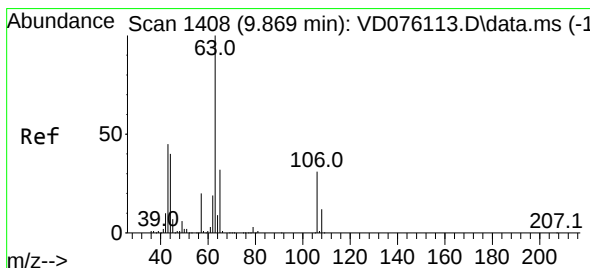
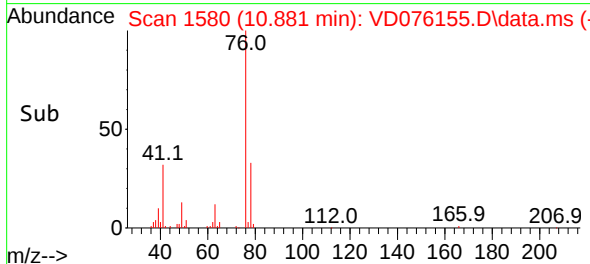
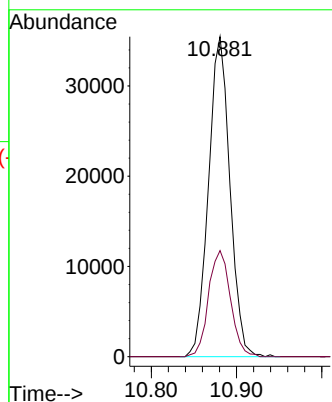
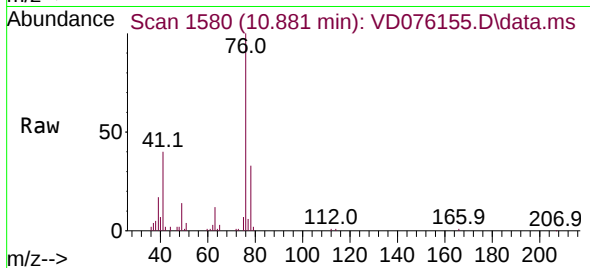
VD0519SBS02

Tgt Ion: 76 Resp: 62078

Ion Ratio Lower Upper

76 100

78 34.0 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 96.230 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD076155.D

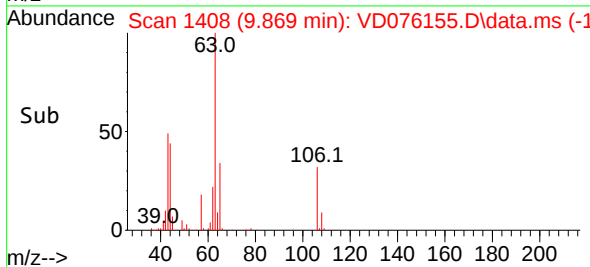
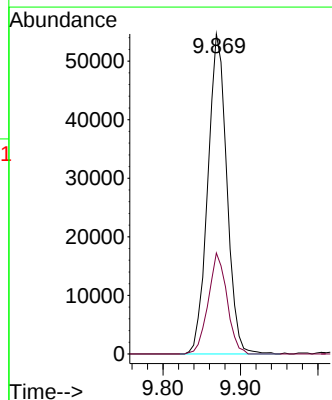
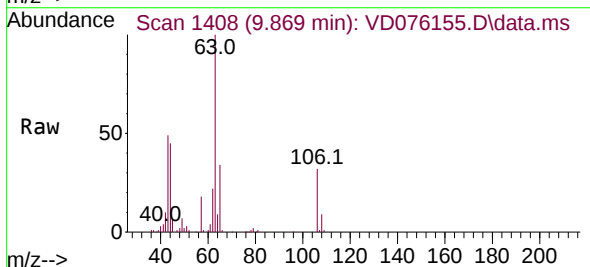
Acq: 19 May 2023 14:13

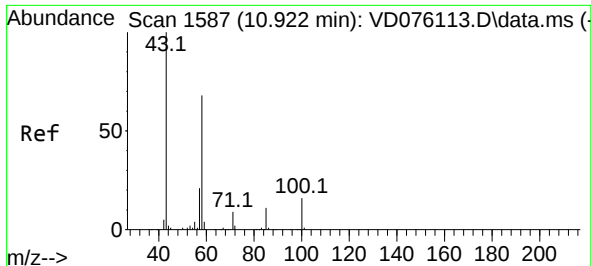
Tgt Ion: 63 Resp: 93114

Ion Ratio Lower Upper

63 100

106 31.0 21.4 32.2

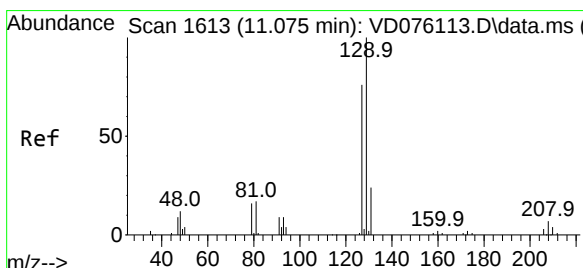
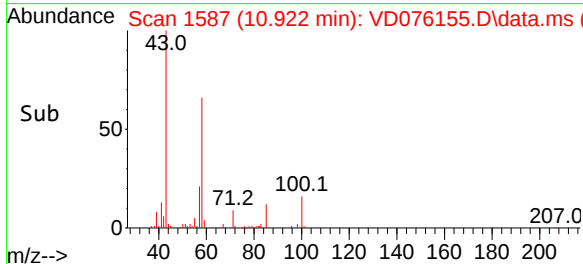
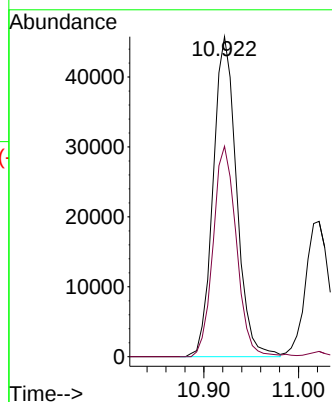
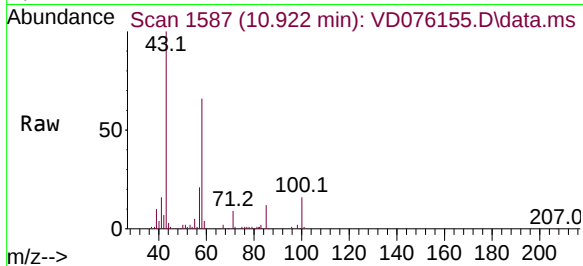




#59  
2-Hexanone  
Concen: 102.859 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

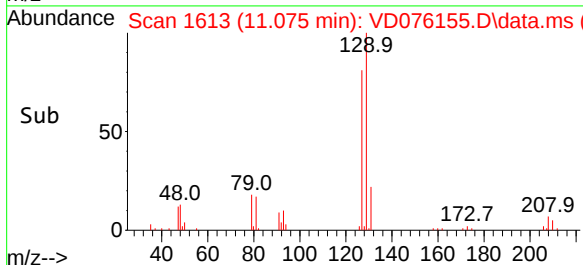
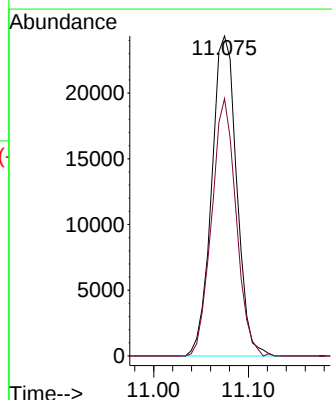
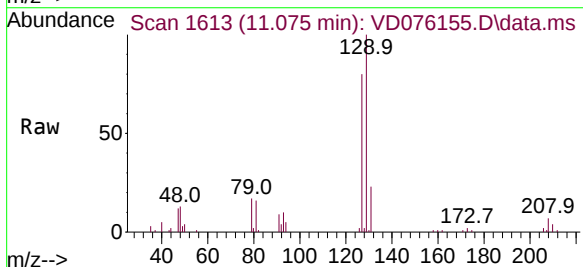
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

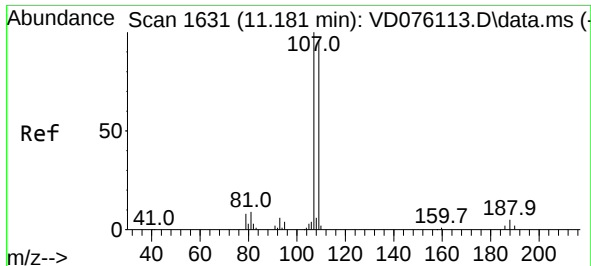
Tgt Ion: 43 Resp: 78550  
Ion Ratio Lower Upper  
43 100  
58 65.6 25.3 75.8



#60  
Dibromochloromethane  
Concen: 19.749 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 129 Resp: 44553  
Ion Ratio Lower Upper  
129 100  
127 78.7 38.1 114.5

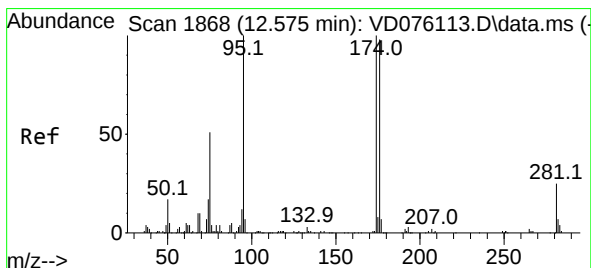
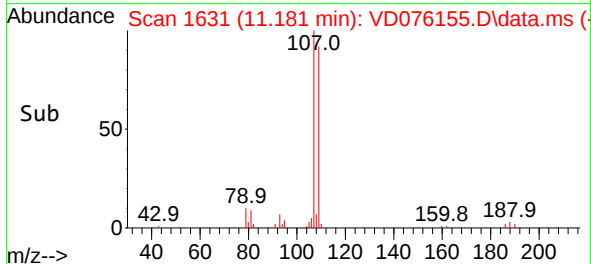
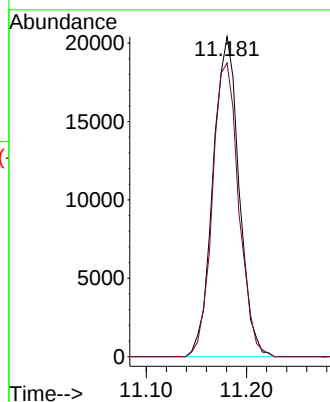
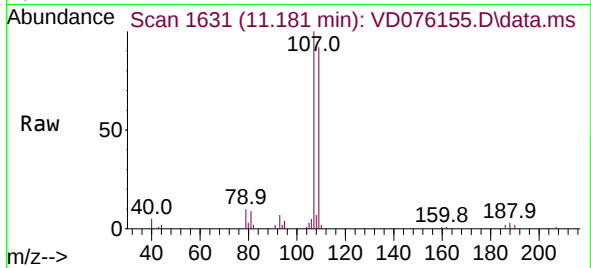




#61  
1,2-Dibromoethane  
Concen: 20.596 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

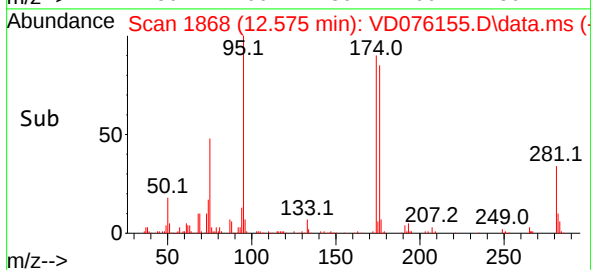
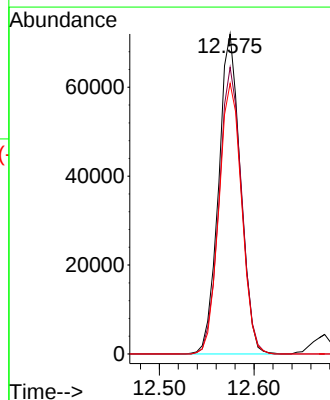
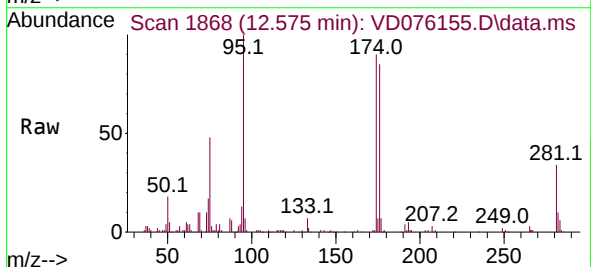
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

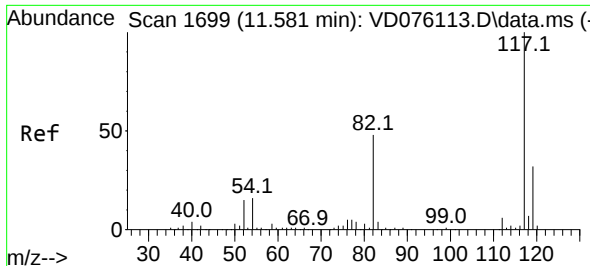
Tgt Ion:107 Resp: 36759  
Ion Ratio Lower Upper  
107 100  
109 93.0 73.6 110.4



#62  
4-Bromofluorobenzene  
Concen: 45.868 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 95 Resp: 115760  
Ion Ratio Lower Upper  
95 100  
174 91.7 0.0 164.0  
176 87.5 0.0 156.8

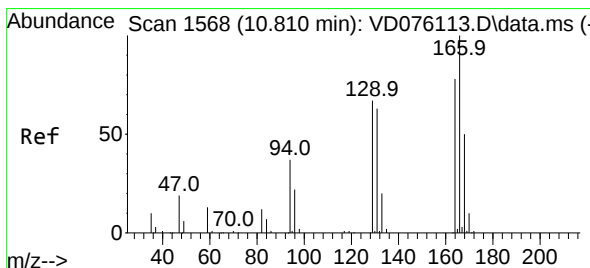
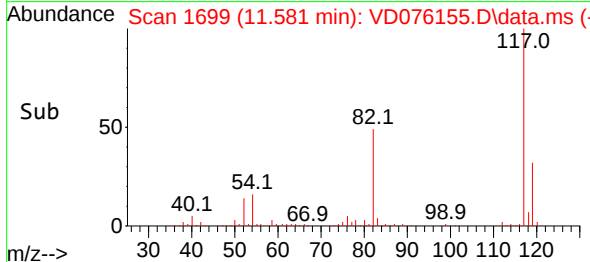
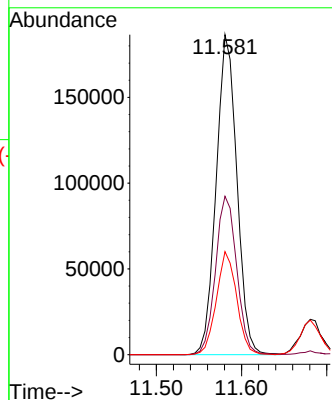
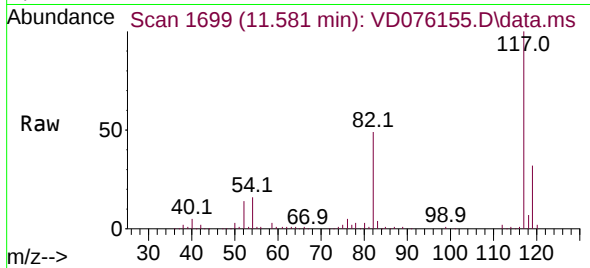




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

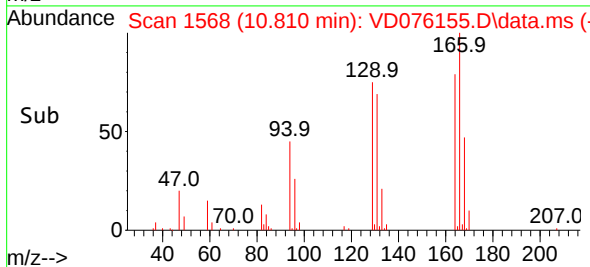
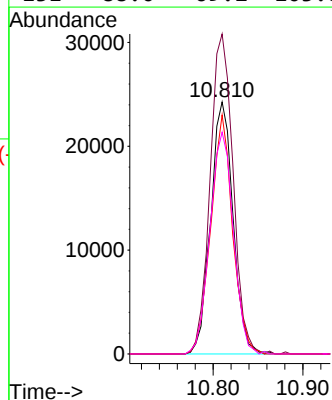
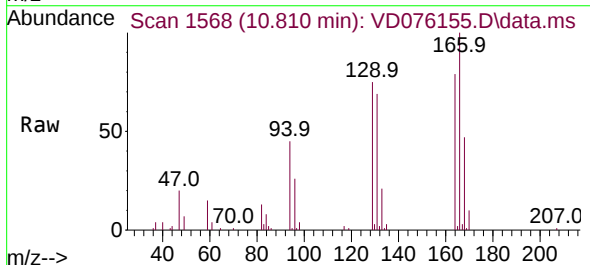
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

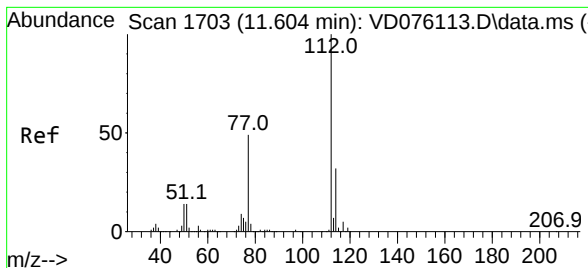
Tgt Ion:117 Resp: 314987  
Ion Ratio Lower Upper  
117 100  
82 49.5 44.0 66.0  
119 32.2 25.1 37.7



#64  
Tetrachloroethene  
Concen: 17.432 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion:164 Resp: 42222  
Ion Ratio Lower Upper  
164 100  
166 127.0 94.9 142.3  
129 94.8 73.0 109.6  
131 88.0 69.2 103.8





#65

Chlorobenzene

Concen: 19.146 ug/l

RT: 11.610 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

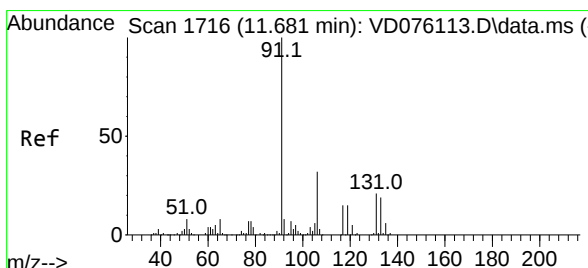
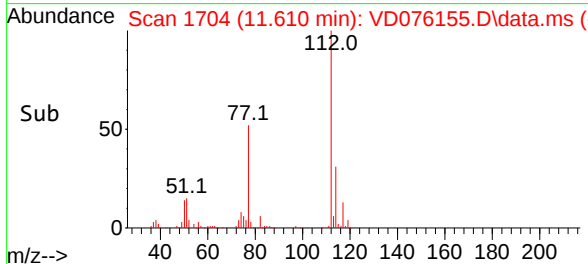
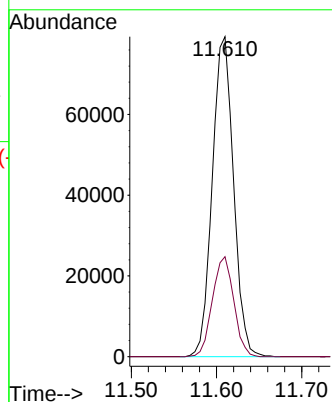
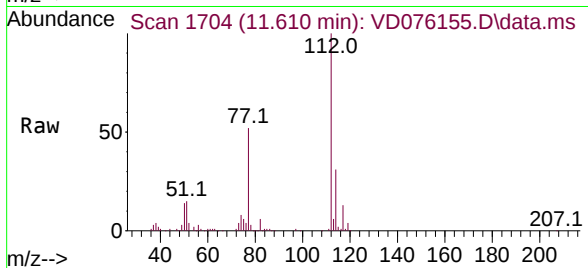
VD0519SBS02

Tgt Ion:112 Resp: 137291

Ion Ratio Lower Upper

112 100

114 31.2 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 18.964 ug/l

RT: 11.686 min Scan# 1717

Delta R.T. 0.005 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

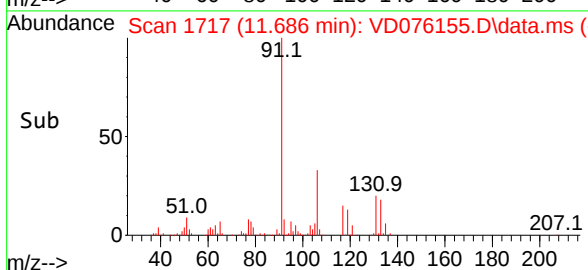
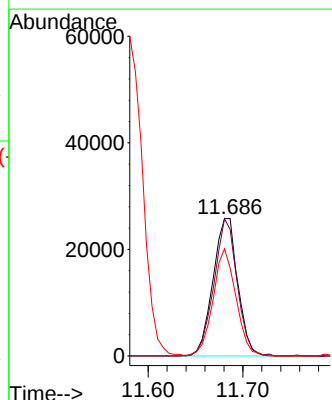
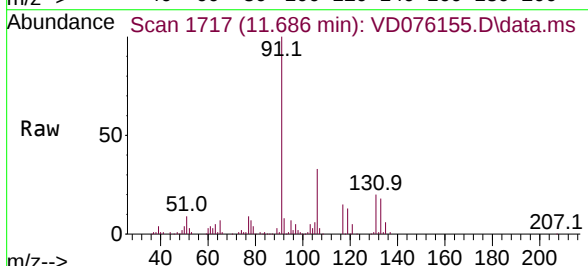
Tgt Ion:131 Resp: 46798

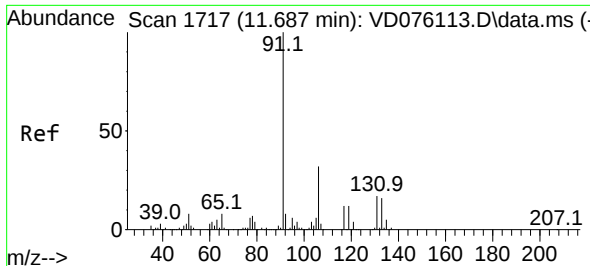
Ion Ratio Lower Upper

131 100

133 93.6 46.7 140.0

119 72.3 31.9 95.9

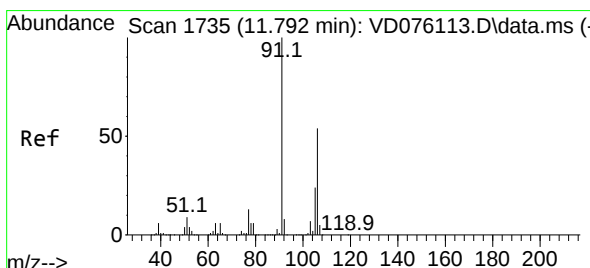
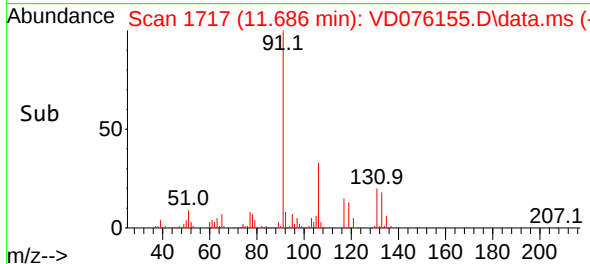
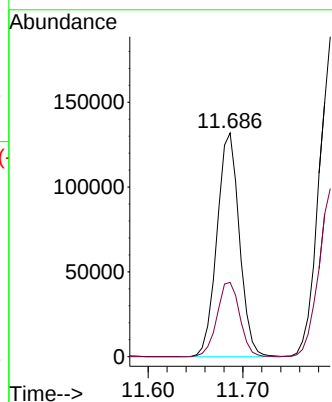
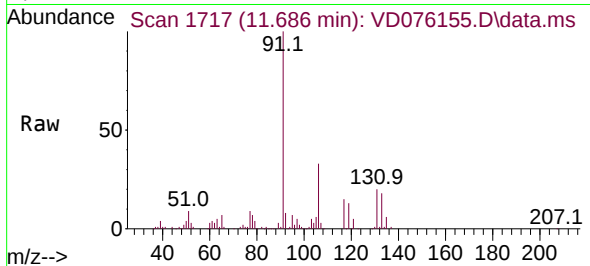




#67  
Ethyl Benzene  
Concen: 18.906 ug/l  
RT: 11.686 min Scan# 1717  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

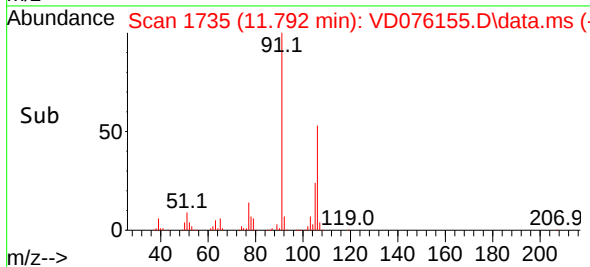
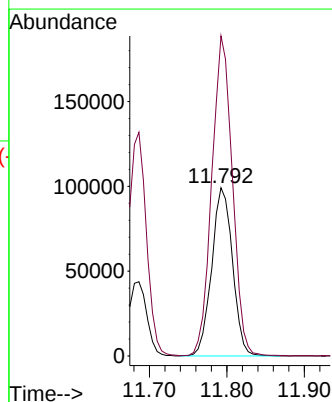
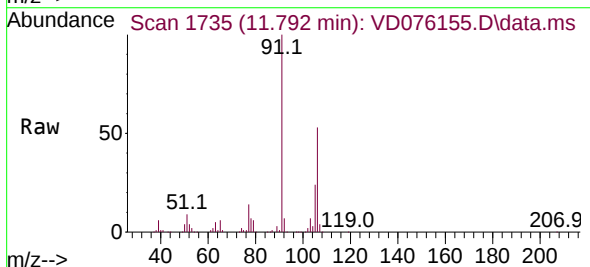
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

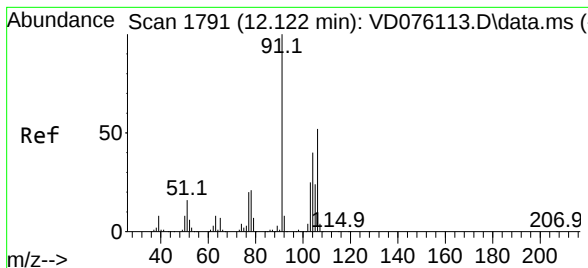
Tgt Ion: 91 Resp: 216637  
Ion Ratio Lower Upper  
91 100  
106 33.2 24.5 36.7



#68  
m/p-Xylenes  
Concen: 39.465 ug/l  
RT: 11.792 min Scan# 1735  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 106 Resp: 184821  
Ion Ratio Lower Upper  
106 100  
91 188.6 161.5 242.3

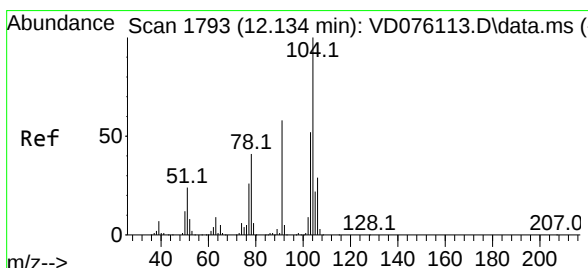
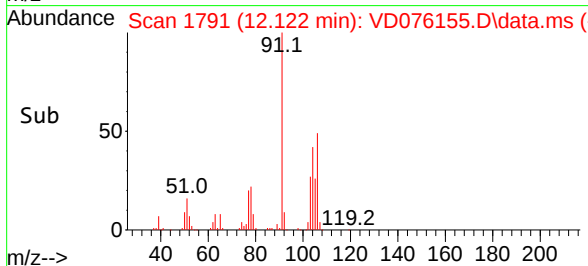
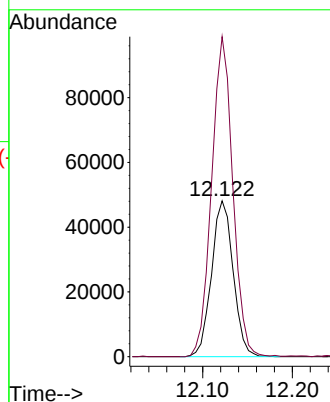
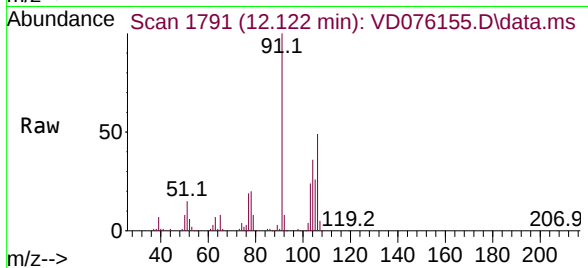




#69  
o-Xylene  
Concen: 18.867 ug/l  
RT: 12.122 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

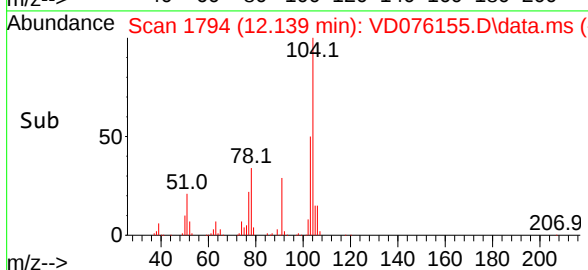
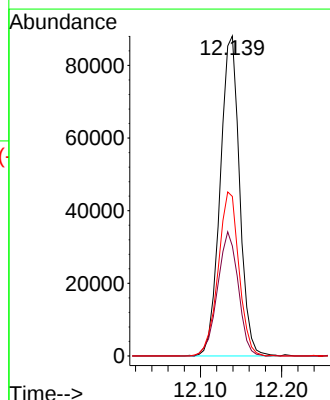
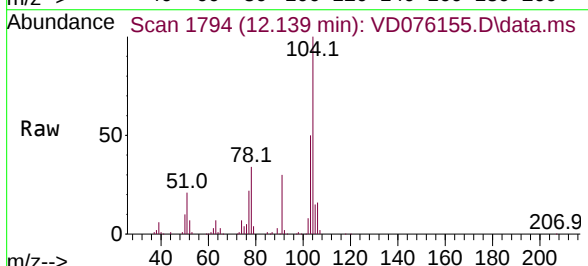
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

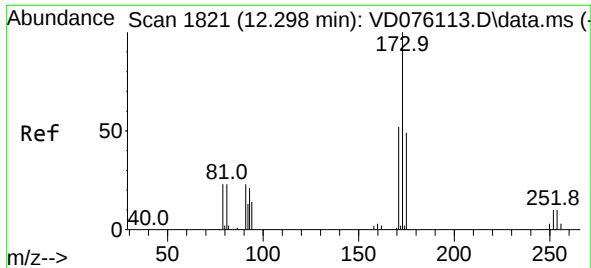
Tgt Ion:106 Resp: 80622  
Ion Ratio Lower Upper  
106 100  
91 201.1 105.7 317.1



#70  
Styrene  
Concen: 19.768 ug/l  
RT: 12.139 min Scan# 1794  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion:104 Resp: 146454  
Ion Ratio Lower Upper  
104 100  
78 41.4 40.2 60.4  
103 54.9 44.2 66.2

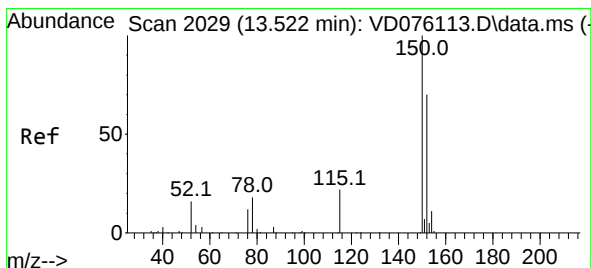
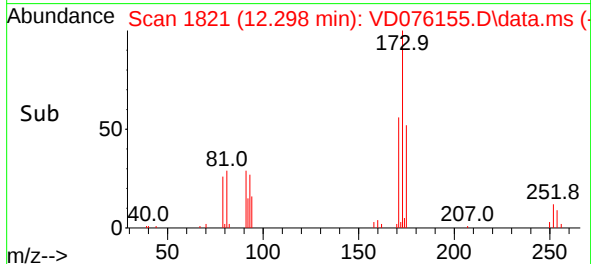
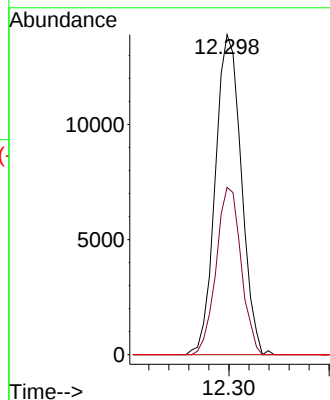
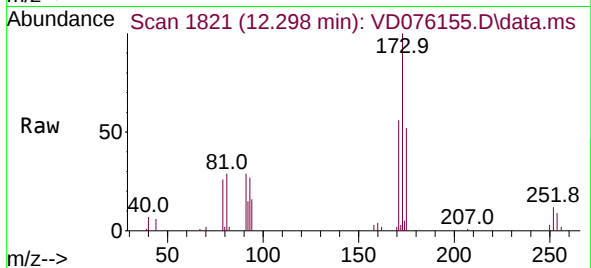




#71  
Bromoform  
Concen: 18.020 ug/l  
RT: 12.298 min Scan# 1821  
Delta R.T. 0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

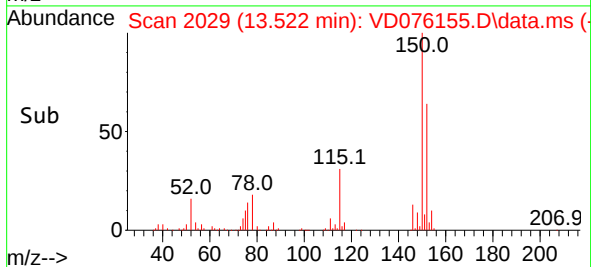
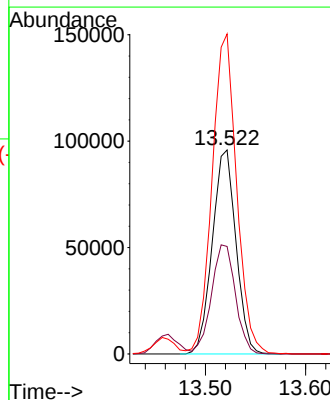
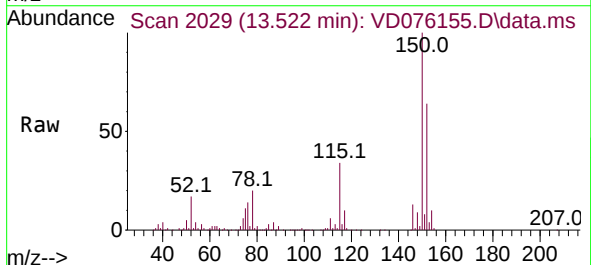
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

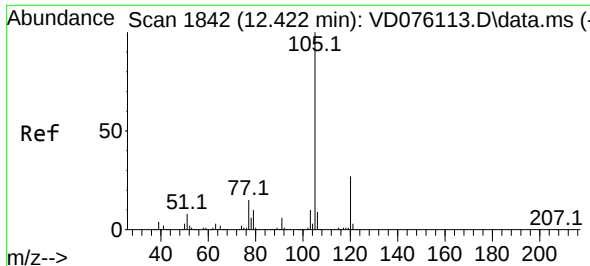
Tgt Ion:173 Resp: 25014  
Ion Ratio Lower Upper  
173 100  
175 50.1 23.5 70.5  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion:152 Resp: 157342  
Ion Ratio Lower Upper  
152 100  
115 54.3 30.1 90.3  
150 162.4 0.0 364.8

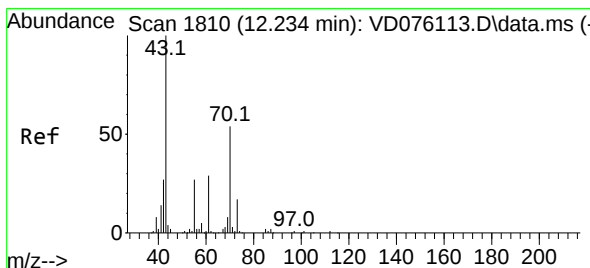
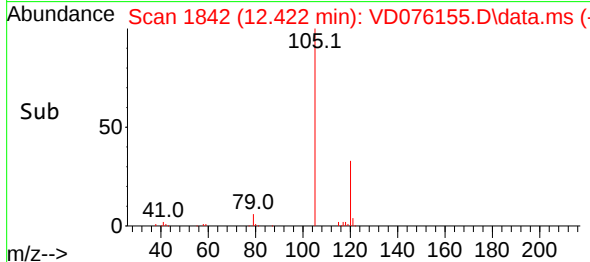
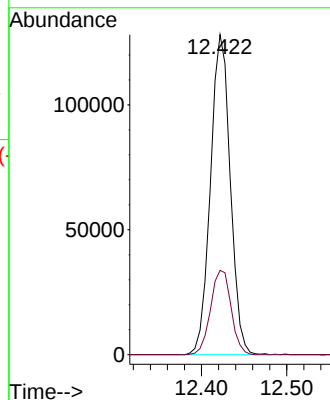
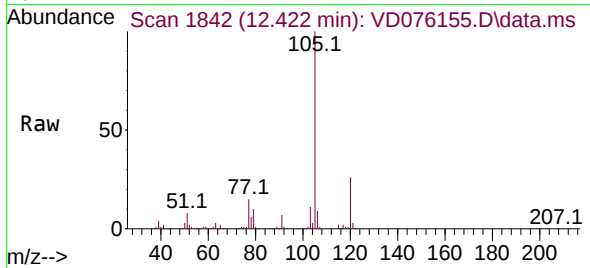




#73  
Isopropylbenzene  
Concen: 19.848 ug/l  
RT: 12.422 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

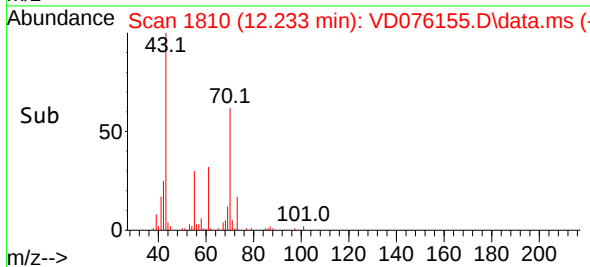
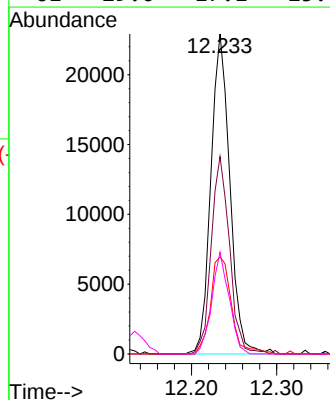
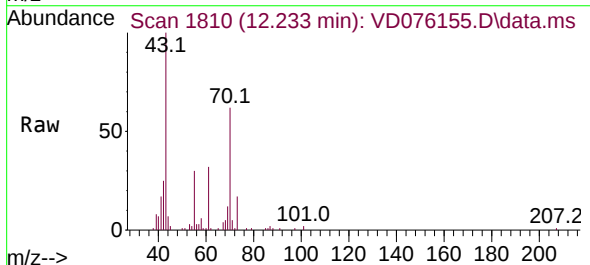
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

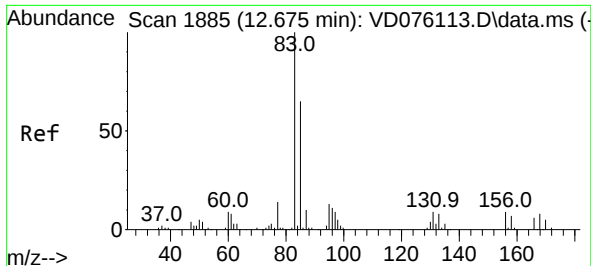
Tgt Ion:105 Resp: 206590  
Ion Ratio Lower Upper  
105 100  
120 27.3 13.4 40.1



#74  
N-ethyl acetate  
Concen: 19.175 ug/l  
RT: 12.233 min Scan# 1810  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 43 Resp: 35549  
Ion Ratio Lower Upper  
43 100  
70 59.4 31.0 46.4#  
55 33.4 18.6 28.0#  
61 29.0 17.1 25.7#

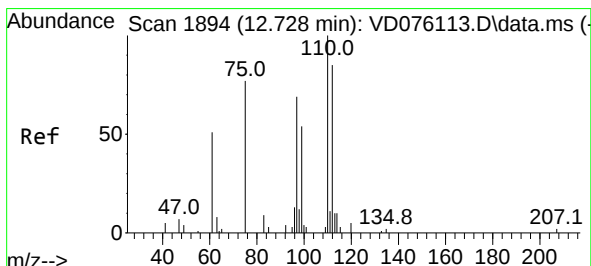
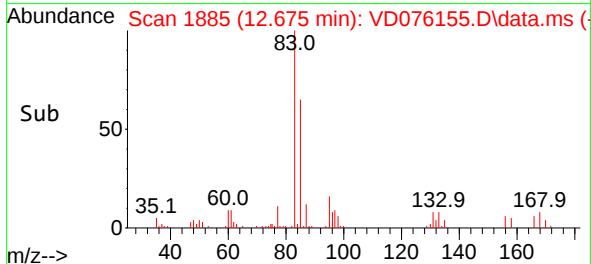
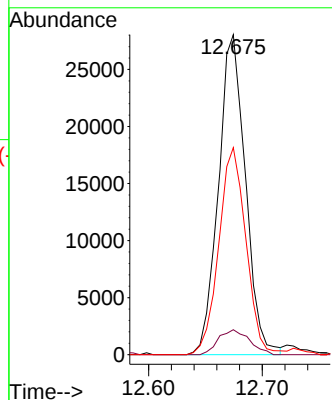
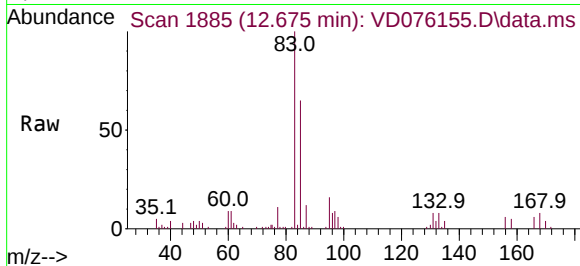




#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.695 ug/l  
RT: 12.675 min Scan# 1885  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

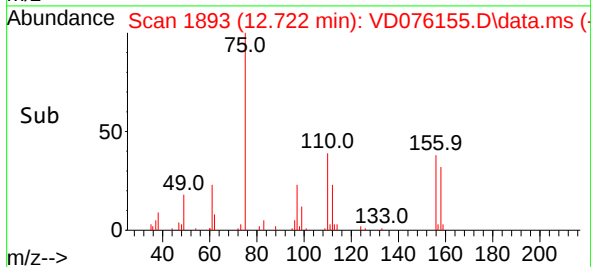
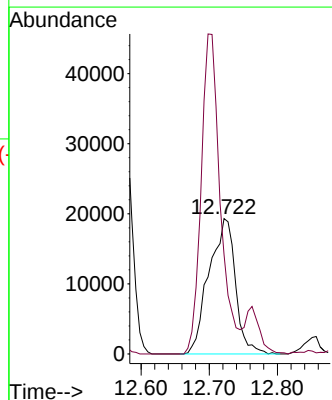
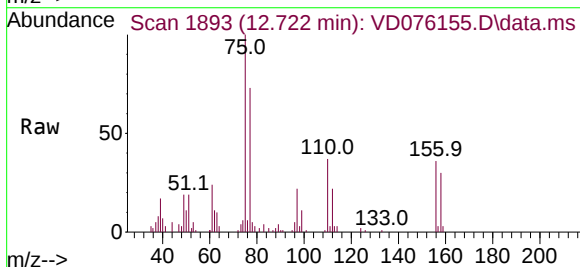
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

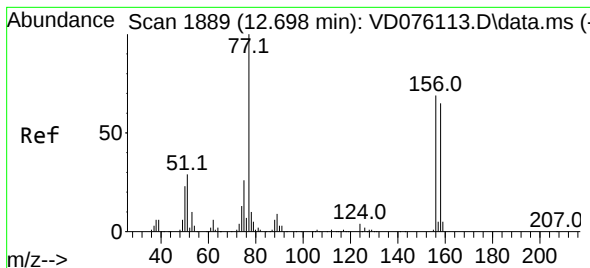
Tgt Ion: 83 Resp: 46296  
Ion Ratio Lower Upper  
83 100  
131 9.0 5.1 15.2  
85 65.2 33.6 100.6



#76  
1,2,3-Trichloropropane  
Concen: 37.913 ug/l  
RT: 12.722 min Scan# 1893  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 75 Resp: 52201  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.273 ug/l

RT: 12.704 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBS02

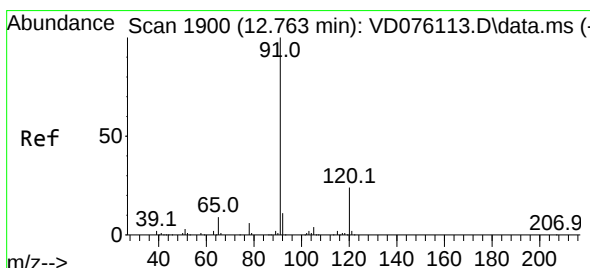
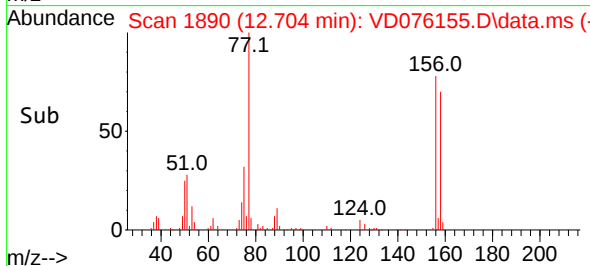
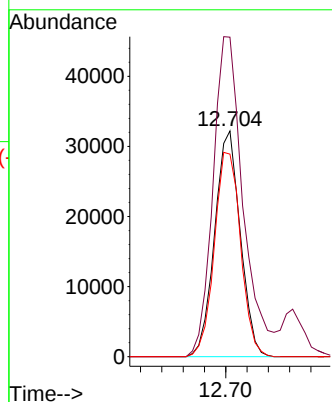
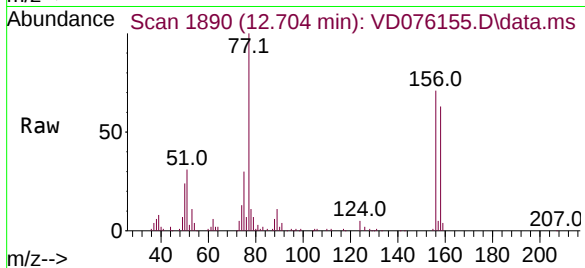
Tgt Ion:156 Resp: 53768

Ion Ratio Lower Upper

156 100

77 166.3 89.5 268.6

158 92.8 47.8 143.4



#78

n-propylbenzene

Concen: 20.482 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VD076155.D

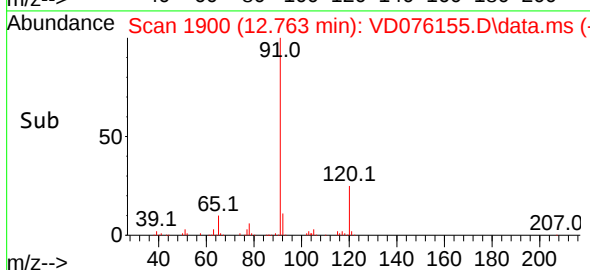
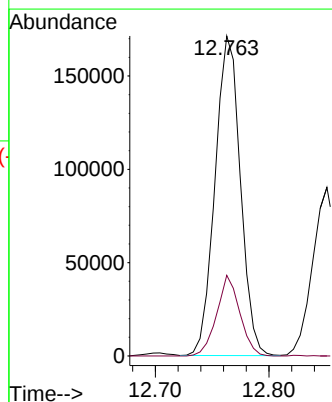
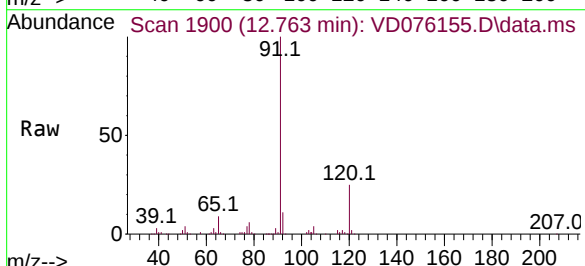
Acq: 19 May 2023 14:13

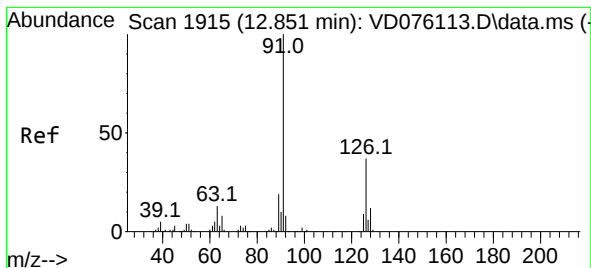
Tgt Ion: 91 Resp: 265349

Ion Ratio Lower Upper

91 100

120 23.0 11.4 34.2





#79

2-Chlorotoluene

Concen: 19.968 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

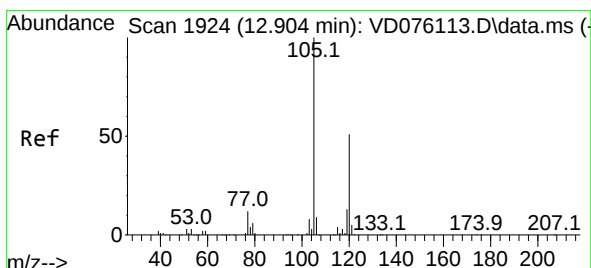
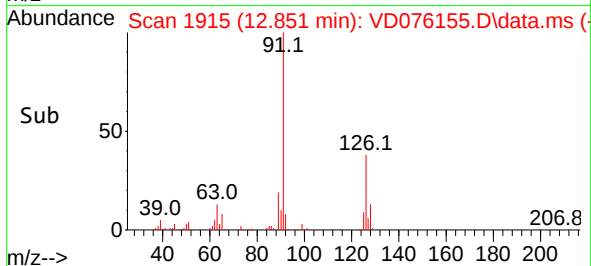
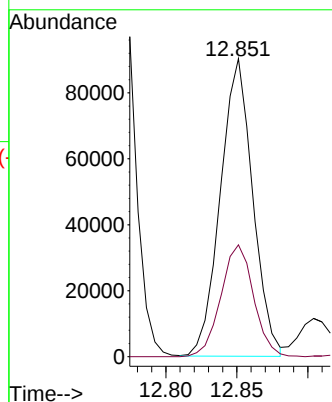
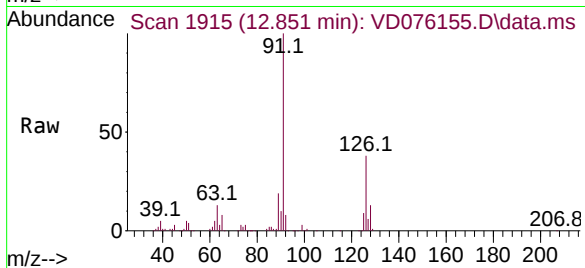
VD0519SBS02

Tgt Ion: 91 Resp: 143172

Ion Ratio Lower Upper

91 100

126 37.9 16.8 50.3



#80

1,3,5-Trimethylbenzene

Concen: 20.259 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD076155.D

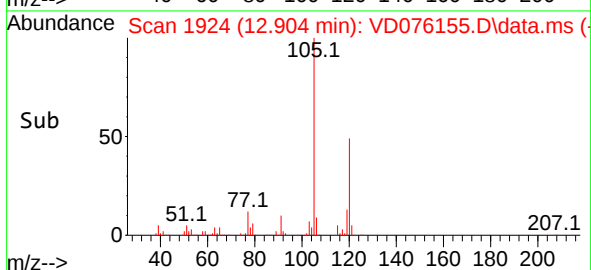
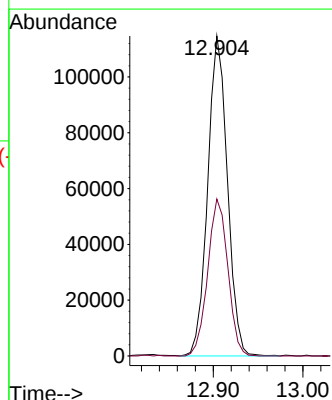
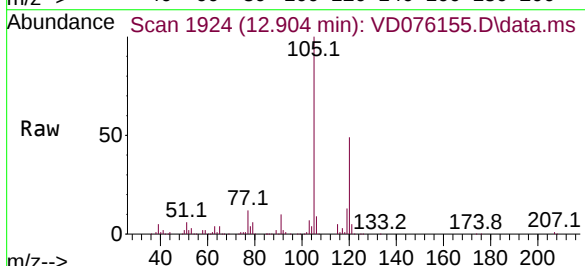
Acq: 19 May 2023 14:13

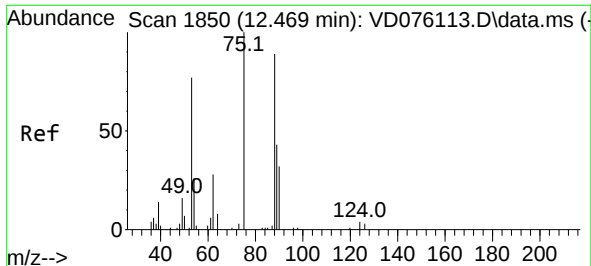
Tgt Ion: 105 Resp: 174802

Ion Ratio Lower Upper

105 100

120 50.2 24.3 72.8

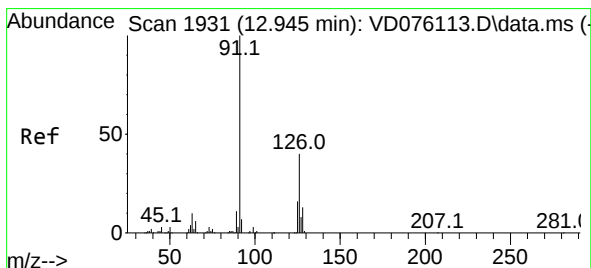
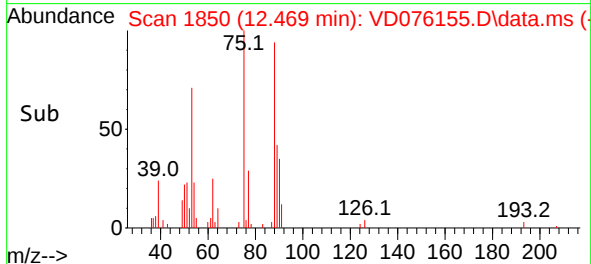
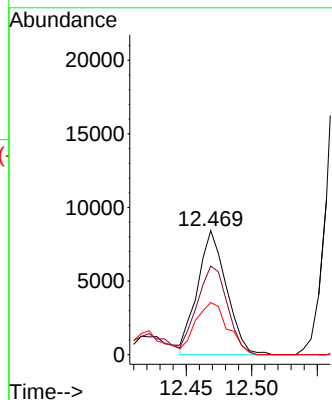
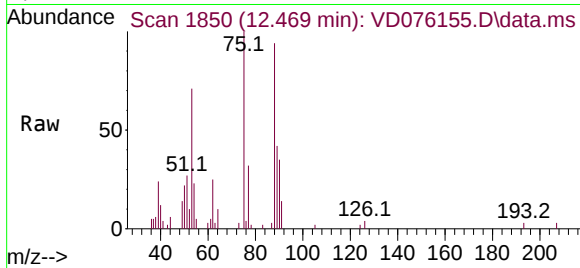




#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.778 ug/l  
RT: 12.469 min Scan# 1850  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

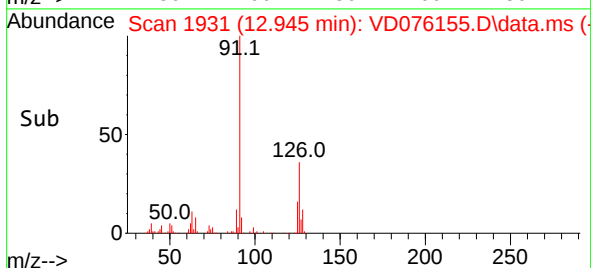
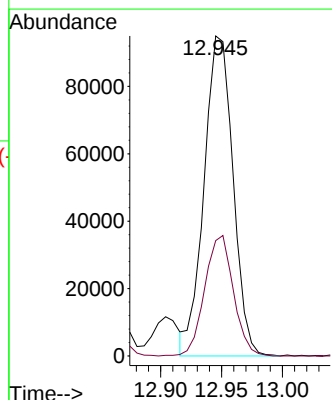
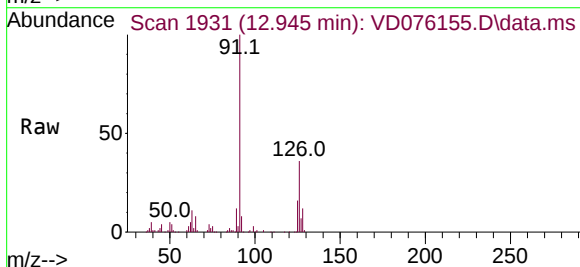
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

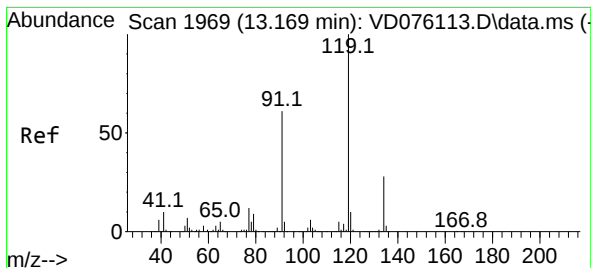
Tgt Ion: 75 Resp: 12981  
Ion Ratio Lower Upper  
75 100  
53 74.7 90.5 135.7#  
89 46.8 40.2 60.4



#82  
4-Chlorotoluene  
Concen: 20.647 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 91 Resp: 157469  
Ion Ratio Lower Upper  
91 100  
126 37.2 17.1 51.2





#83

tert-Butylbenzene

Concen: 19.487 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBS02

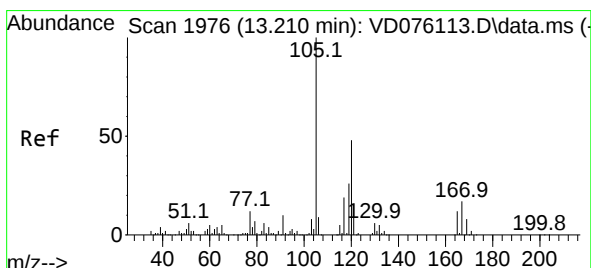
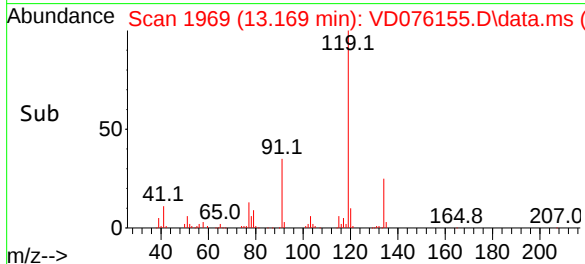
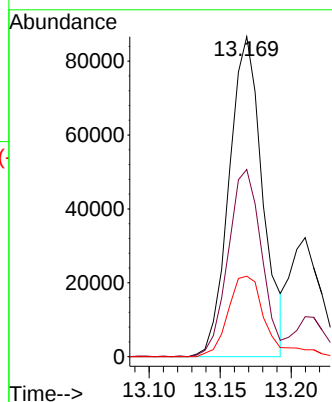
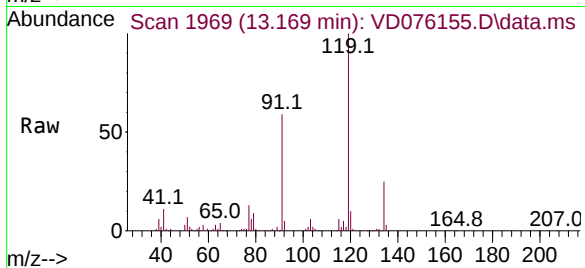
Tgt Ion:119 Resp: 142099

Ion Ratio Lower Upper

119 100

91 58.4 32.4 97.0

134 28.5 13.0 39.0



#84

1,2,4-Trimethylbenzene

Concen: 20.105 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.006 min

Lab File: VD076155.D

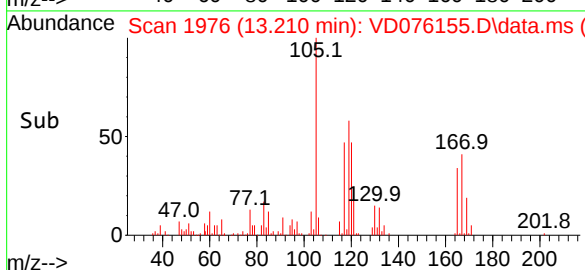
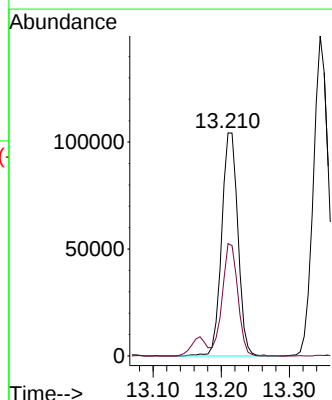
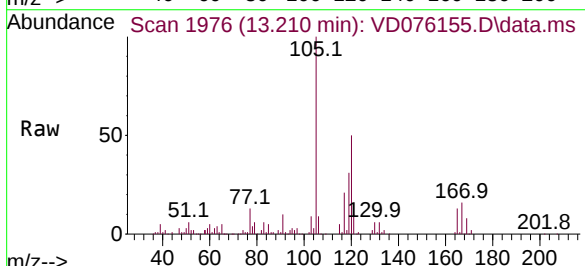
Acq: 19 May 2023 14:13

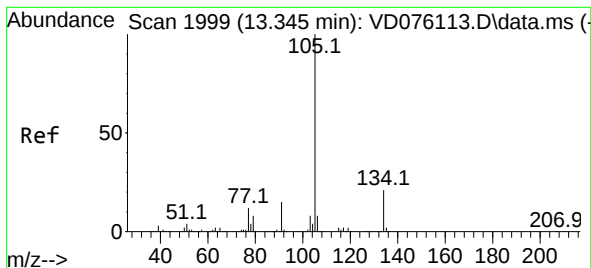
Tgt Ion:105 Resp: 172765

Ion Ratio Lower Upper

105 100

120 48.5 22.3 66.9

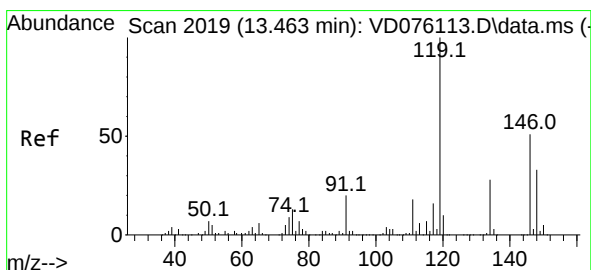
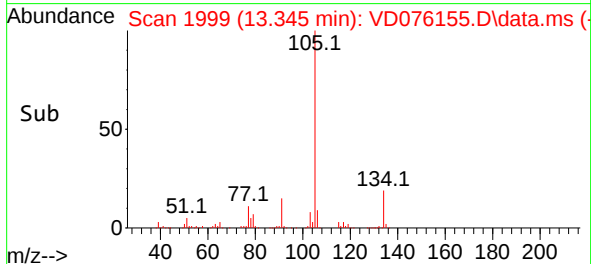
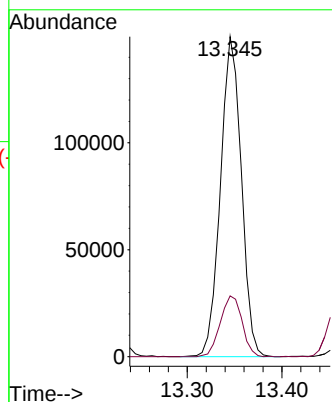
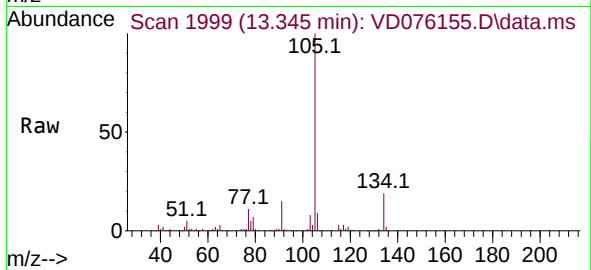




#85  
 sec-Butylbenzene  
 Concen: 20.179 ug/l  
 RT: 13.345 min Scan# 1999  
 Delta R.T. 0.000 min  
 Lab File: VD076155.D  
 Acq: 19 May 2023 14:13

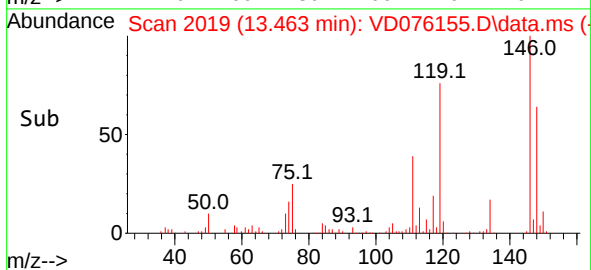
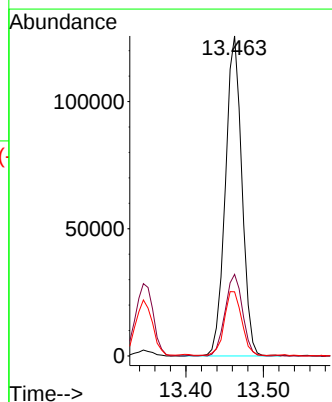
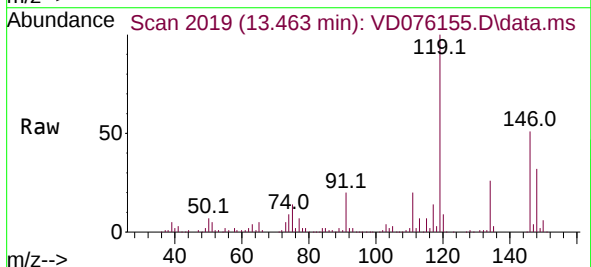
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD0519SBS02

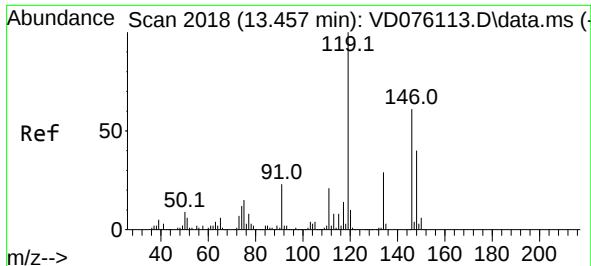
Tgt Ion:105 Resp: 229321  
 Ion Ratio Lower Upper  
 105 100  
 134 19.8 9.9 29.7



#86  
 p-Isopropyltoluene  
 Concen: 20.072 ug/l  
 RT: 13.463 min Scan# 2019  
 Delta R.T. -0.000 min  
 Lab File: VD076155.D  
 Acq: 19 May 2023 14:13

Tgt Ion:119 Resp: 186648  
 Ion Ratio Lower Upper  
 119 100  
 134 26.9 13.1 39.3  
 91 21.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 19.202 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBS02

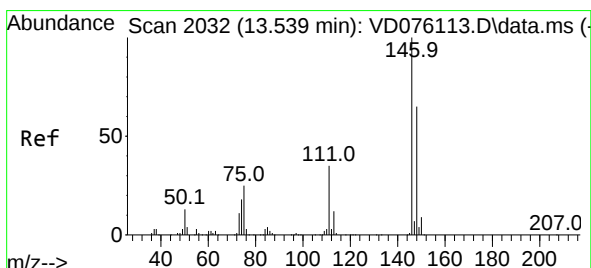
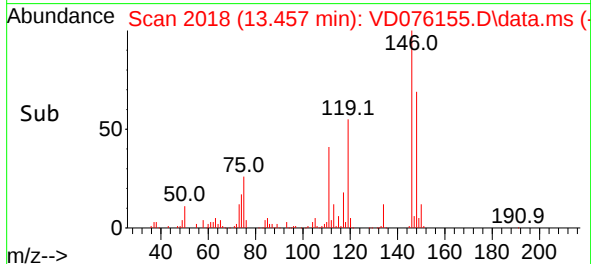
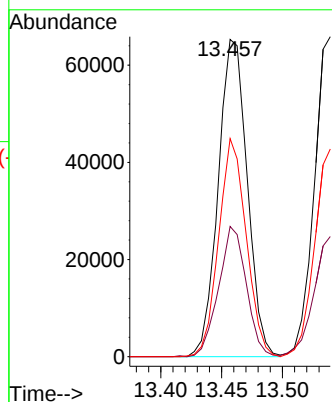
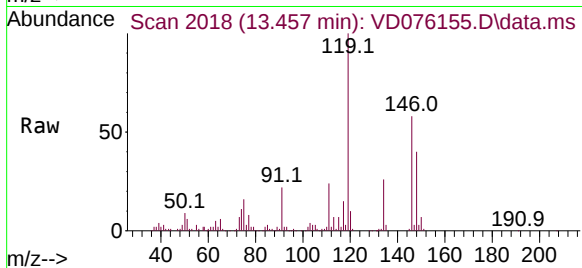
Tgt Ion:146 Resp: 108309

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.3

148 65.2 31.0 93.0



#88

1,4-Dichlorobenzene

Concen: 19.618 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

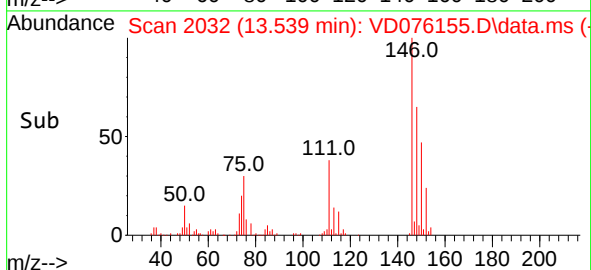
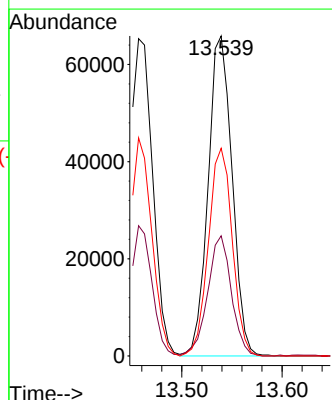
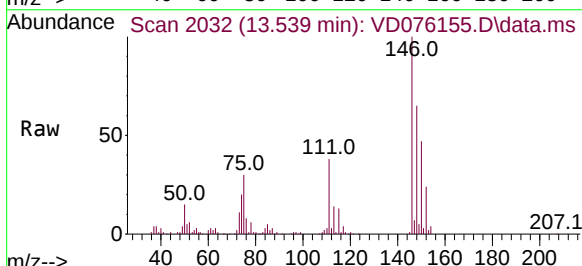
Tgt Ion:146 Resp: 109568

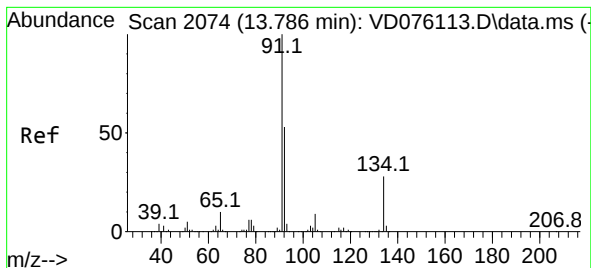
Ion Ratio Lower Upper

146 100

111 37.2 19.6 58.8

148 64.7 31.7 95.1





#89

n-Butylbenzene

Concen: 19.799 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.006 min

Lab File: VD076155.D

Acq: 19 May 2023 14:13

Instrument :

MSVOA\_D

ClientSampleId :

VD0519SBS02

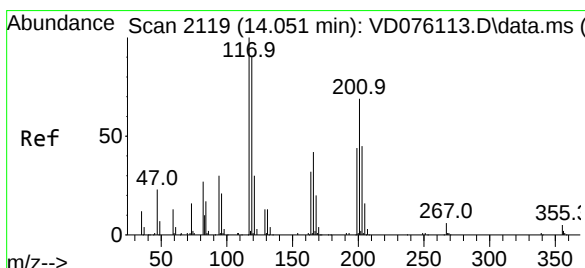
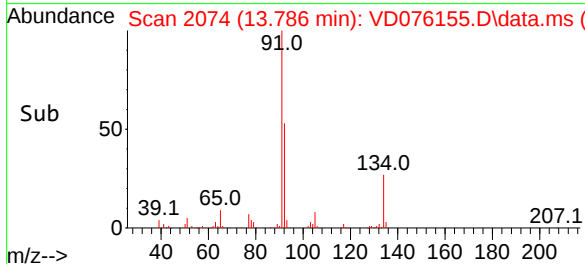
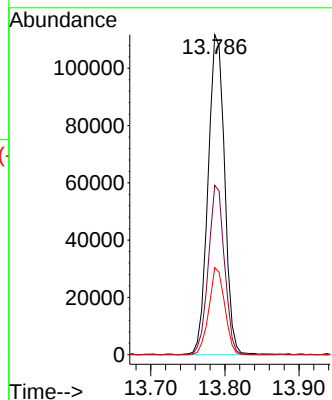
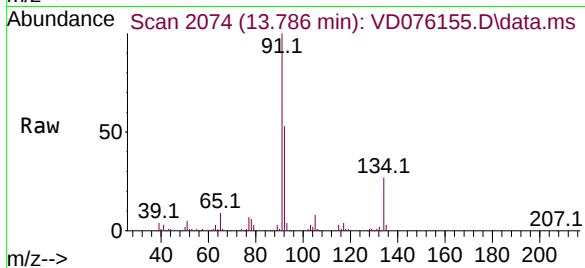
Tgt Ion: 91 Resp: 173504

Ion Ratio Lower Upper

91 100

92 51.4 26.2 78.5

134 25.9 12.7 38.0



#90

Hexachloroethane

Concen: 19.753 ug/l

RT: 14.051 min Scan# 2119

Delta R.T. -0.006 min

Lab File: VD076155.D

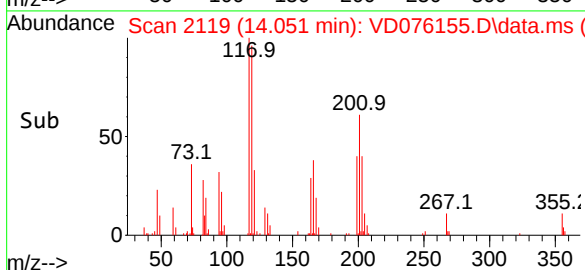
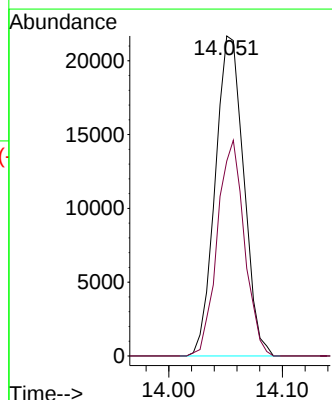
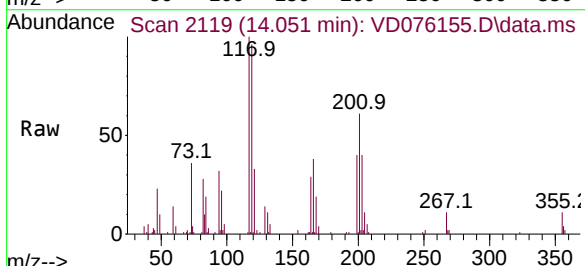
Acq: 19 May 2023 14:13

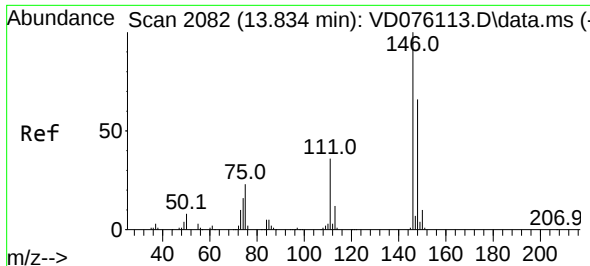
Tgt Ion: 117 Resp: 37782

Ion Ratio Lower Upper

117 100

201 64.0 34.5 103.6

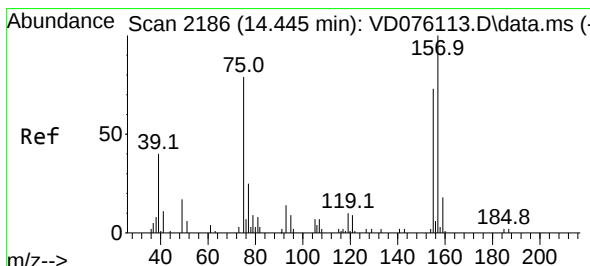
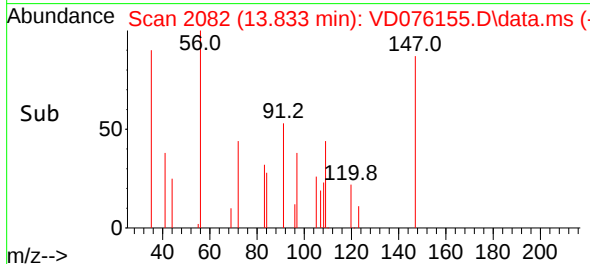
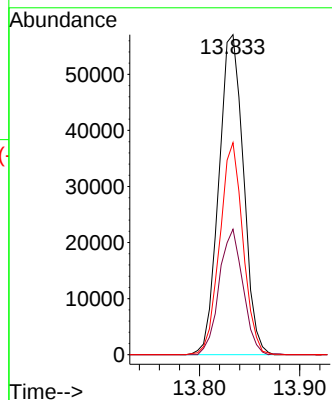
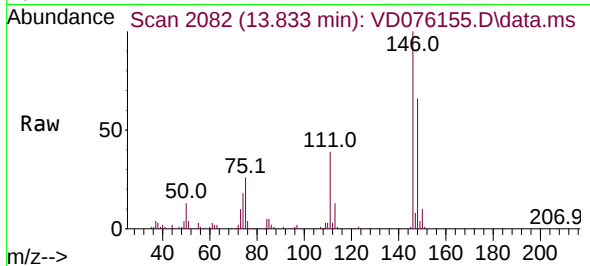




#91  
1,2-Dichlorobenzene  
Concen: 19.646 ug/l  
RT: 13.833 min Scan# 2082  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

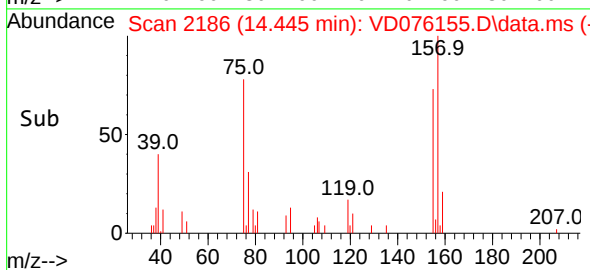
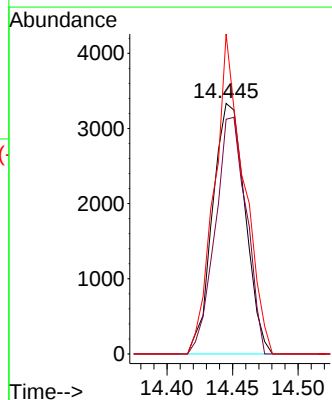
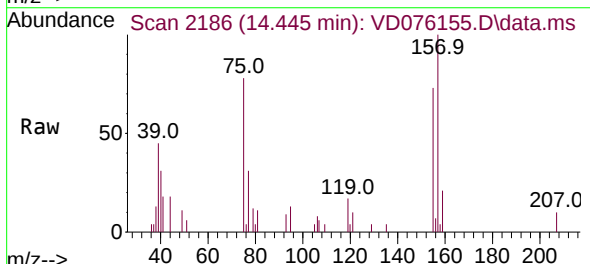
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

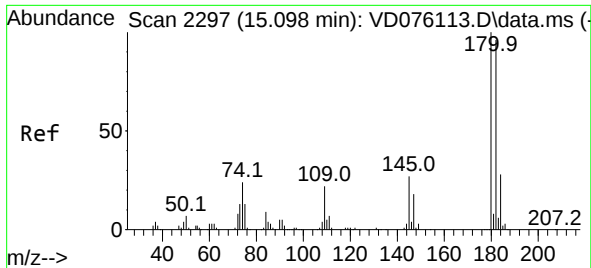
Tgt Ion:146 Resp: 97247  
Ion Ratio Lower Upper  
146 100  
111 37.8 20.6 61.8  
148 62.5 32.0 96.2



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 19.741 ug/l  
RT: 14.445 min Scan# 2186  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion: 75 Resp: 5734  
Ion Ratio Lower Upper  
75 100  
155 90.7 39.5 118.5  
157 115.5 53.5 160.7

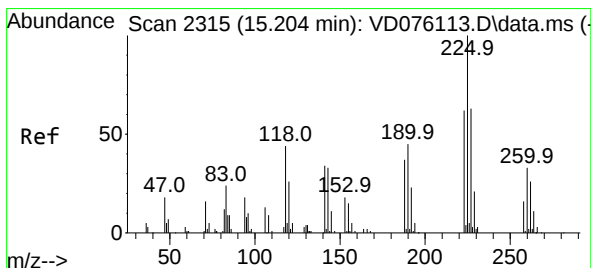
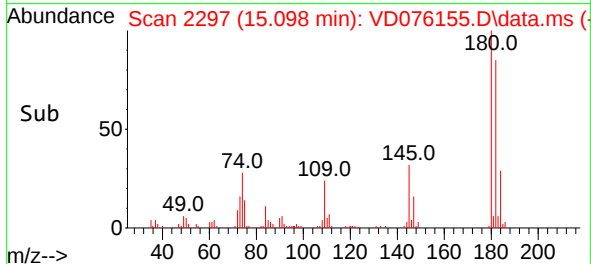
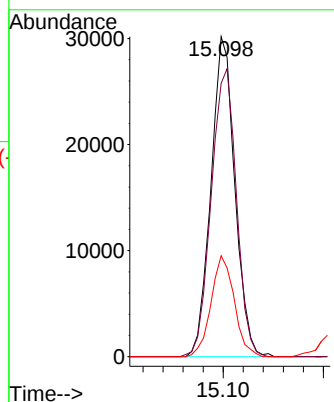
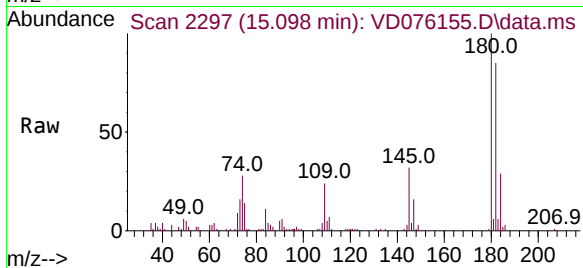




#93  
1,2,4-Trichlorobenzene  
Concen: 17.334 ug/l  
RT: 15.098 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

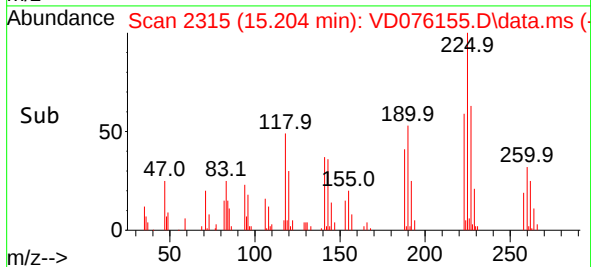
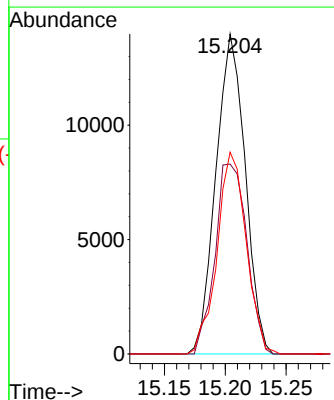
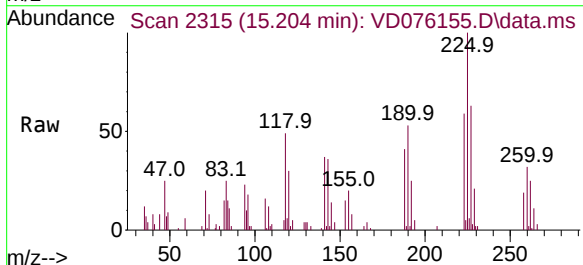
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

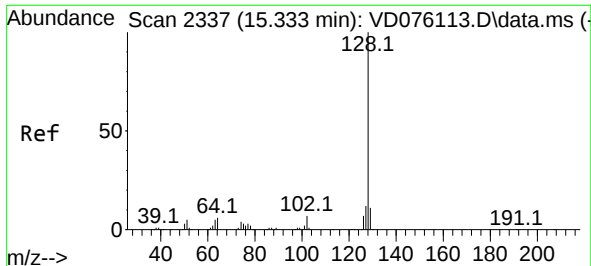
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 94.6  | 47.9  | 143.7 |
| 145     | 30.7  | 15.9  | 47.7  |



#94  
Hexachlorobutadiene  
Concen: 15.990 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. -0.000 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 225     | 100   |       |       |
| 223     | 64.5  | 33.1  | 99.2  |
| 227     | 62.5  | 31.9  | 95.9  |

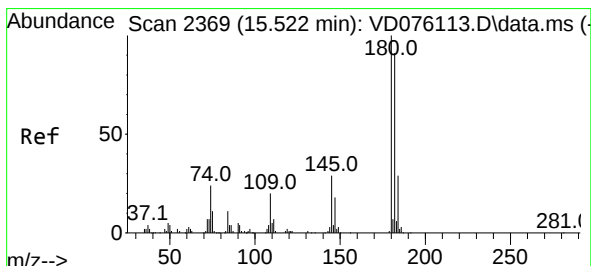
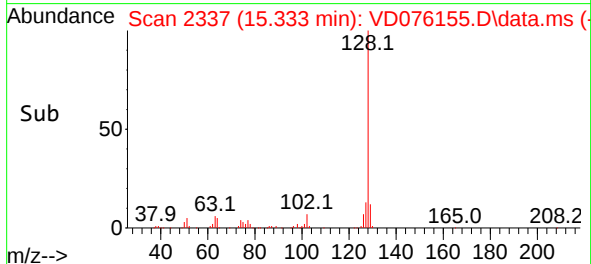
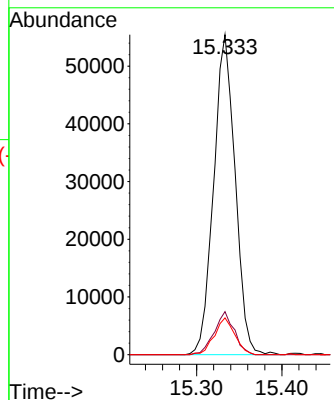
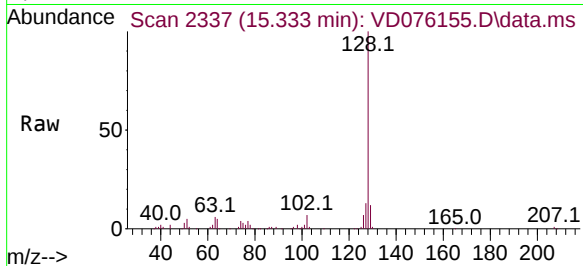




#95  
Naphthalene  
Concen: 18.143 ug/l  
RT: 15.333 min Scan# 2337  
Delta R.T. -0.001 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD0519SBS02

Tgt Ion:128 Resp: 97064  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.4 15.6  
129 10.9 8.8 13.2



#96  
1,2,3-Trichlorobenzene  
Concen: 16.535 ug/l  
RT: 15.522 min Scan# 2369  
Delta R.T. -0.007 min  
Lab File: VD076155.D  
Acq: 19 May 2023 14:13

Tgt Ion:180 Resp: 43299  
Ion Ratio Lower Upper  
180 100  
182 97.5 47.7 143.1  
145 29.5 16.4 49.4

