

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD120823\  
 Data File : VD077782.D  
 Acq On : 08 Dec 2023 09:15  
 Operator : JC/SY  
 Sample : VSTDICC005  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC005

Quant Time: Dec 08 12:25:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 08 12:22:17 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.881  | 168  | 138695   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 241437   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.587 | 117  | 220041   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.522 | 152  | 102728   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.228  | 65    | 8355     | 5.037    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 10.080%# |
| 35) Dibromofluoromethane    | 7.804  | 113   | 8310     | 4.821    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 9.640%#  |
| 50) Toluene-d8              | 10.269 | 98    | 30743    | 4.473    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 8.940%#  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 9828     | 4.796    | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 9.600%#  |

|                              |       |     |       |           |        |     |
|------------------------------|-------|-----|-------|-----------|--------|-----|
| Target Compounds             |       |     |       | Qvalue    |        |     |
| 2) Dichlorodifluoromethane   | 1.940 | 85  | 10548 | 5.992     | ug/l   | 94  |
| 3) Chloromethane             | 2.158 | 50  | 13278 | 5.648     | ug/l   | 91  |
| 4) Vinyl Chloride            | 2.293 | 62  | 17863 | 5.446     | ug/l   | 97  |
| 5) Bromomethane              | 2.705 | 94  | 8313  | 4.574     | ug/l   | 91  |
| 6) Chloroethane              | 2.852 | 64  | 12258 | 5.520     | ug/l # | 88  |
| 7) Trichlorofluoromethane    | 3.187 | 101 | 16355 | 5.502     | ug/l   | 100 |
| 8) Diethyl Ether             | 3.599 | 74  | 4137  | 4.977     | ug/l   | 85  |
| 9) 1,1,2-Trichlorotrifluo... | 3.975 | 101 | 9494  | 5.551     | ug/l # | 76  |
| 10) Methyl Iodide            | 4.187 | 142 | 1812  | 7.299     | ug/l # | 46  |
| 11) Tert butyl alcohol       | 5.046 | 59  | 1561  | 5.955     | ug/l # | 73  |
| 12) 1,1-Dichloroethene       | 3.940 | 96  | 8864  | 5.240     | ug/l # | 81  |
| 13) Acrolein                 | 3.816 | 56  | 4305  | 23.964    | ug/l   | 84  |
| 14) Allyl chloride           | 4.569 | 41  | 12032 | 5.208     | ug/l # | 88  |
| 15) Acrylonitrile            | 5.258 | 53  | 9201  | 25.402    | ug/l   | 98  |
| 16) Acetone                  | 4.028 | 43  | 15907 | Below Cal | #      | 80  |
| 17) Carbon Disulfide         | 4.281 | 76  | 32090 | 5.630     | ug/l # | 94  |
| 18) Methyl Acetate           | 4.569 | 43  | 6736  | 5.130     | ug/l # | 80  |
| 19) Methyl tert-butyl Ether  | 5.322 | 73  | 18197 | 5.046     | ug/l   | 92  |
| 20) Methylene Chloride       | 4.816 | 84  | 16955 | 4.357     | ug/l # | 87  |
| 21) trans-1,2-Dichloroethene | 5.316 | 96  | 9380  | 4.927     | ug/l   | 89  |
| 22) Diisopropyl ether        | 6.222 | 45  | 23688 | 4.896     | ug/l # | 88  |
| 23) Vinyl Acetate            | 6.163 | 43  | 44302 | 19.261    | ug/l # | 89  |
| 24) 1,1-Dichloroethane       | 6.116 | 63  | 17494 | 5.347     | ug/l   | 94  |
| 25) 2-Butanone               | 7.087 | 43  | 16264 | 15.898    | ug/l # | 76  |
| 26) 2,2-Dichloropropane      | 7.075 | 77  | 14688 | 5.344     | ug/l   | 92  |
| 27) cis-1,2-Dichloroethene   | 7.087 | 96  | 10077 | 4.896     | ug/l   | 73  |
| 28) Bromochloromethane       | 7.434 | 49  | 6458  | 4.877     | ug/l # | 76  |
| 29) Tetrahydrofuran          | 7.446 | 42  | 6790  | 25.518    | ug/l # | 85  |
| 30) Chloroform               | 7.599 | 83  | 17891 | 5.400     | ug/l # | 81  |
| 31) Cyclohexane              | 7.881 | 56  | 17324 | 5.916     | ug/l # | 94  |
| 32) 1,1,1-Trichloroethane    | 7.799 | 97  | 15394 | 5.337     | ug/l   | 94  |
| 36) 1,1-Dichloropropene      | 8.004 | 75  | 13707 | 5.031     | ug/l   | 93  |
| 37) Ethyl Acetate            | 7.169 | 43  | 1217  | Below Cal | #      | 47  |
| 38) Carbon Tetrachloride     | 7.999 | 117 | 14358 | 5.254     | ug/l # | 88  |
| 39) Methylcyclohexane        | 9.281 | 83  | 15656 | 4.833     | ug/l   | 90  |
| 40) Benzene                  | 8.257 | 78  | 38988 | 5.018     | ug/l   | 98  |

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 Sample : VSTDICC005  
 Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VSTDICC005

Quant Time: Dec 08 12:25:40 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Dec 08 12:22:17 2023  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.416  | 41   | 3051     | 5.490   | ug/l # | 75       |
| 42) 1,2-Dichloroethane        | 8.328  | 62   | 10411    | 5.159   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.363  | 43   | 9866     | 5.184   | ug/l   | 93       |
| 44) Trichloroethene           | 9.028  | 130  | 10086    | 4.971   | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 9.304  | 63   | 9772     | 5.129   | ug/l   | 96       |
| 46) Dibromomethane            | 9.393  | 93   | 4925     | 4.921   | ug/l   | 89       |
| 47) Bromodichloromethane      | 9.587  | 83   | 12557    | 4.942   | ug/l   | 92       |
| 48) Methyl methacrylate       | 9.387  | 41   | 4988     | 4.591   | ug/l # | 78       |
| 49) 1,4-Dioxane               | 9.393  | 88   | 1179     | 117.544 | ug/l # | 62       |
| 51) 4-Methyl-2-Pentanone      | 10.163 | 43   | 23501    | 24.121  | ug/l # | 84       |
| 52) Toluene                   | 10.340 | 92   | 22841    | 4.735   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 10.551 | 75   | 11348    | 4.655   | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 10.016 | 75   | 14317    | 4.854   | ug/l   | 95       |
| 55) 1,1,2-Trichloroethane     | 10.740 | 97   | 6764     | 4.910   | ug/l   | 91       |
| 56) Ethyl methacrylate        | 10.598 | 69   | 5777     | 4.766   | ug/l # | 81       |
| 57) 1,3-Dichloropropane       | 10.881 | 76   | 11329    | 4.789   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.875  | 63   | 15178    | 22.072  | ug/l   | 94       |
| 59) 2-Hexanone                | 10.922 | 43   | 22917    | 16.785  | ug/l   | 89       |
| 60) Dibromochloromethane      | 11.075 | 129  | 8195     | 4.923   | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 11.181 | 107  | 6119     | 4.697   | ug/l   | 90       |
| 64) Tetrachloroethene         | 10.810 | 164  | 8015     | 4.907   | ug/l # | 84       |
| 65) Chlorobenzene             | 11.610 | 112  | 41083    | 5.812   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.687 | 131  | 8901     | 4.802   | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.687 | 91   | 43283    | 4.694   | ug/l   | 100      |
| 68) m/p-Xylenes               | 11.792 | 106  | 31710    | 8.962   | ug/l   | 92       |
| 69) o-Xylene                  | 12.128 | 106  | 14713    | 4.508   | ug/l   | 96       |
| 70) Styrene                   | 12.140 | 104  | 21696    | 4.484   | ug/l   | 94       |
| 71) Bromoform                 | 12.304 | 173  | 4965     | 5.141   | ug/l # | 96       |
| 73) Isopropylbenzene          | 12.422 | 105  | 39969    | 5.096   | ug/l   | 92       |
| 74) N-amyl acetate            | 12.234 | 43   | 7474     | 4.832   | ug/l   | 89       |
| 75) 1,1,2,2-Tetrachloroethane | 12.681 | 83   | 6741     | 4.893   | ug/l   | 95       |
| 76) 1,2,3-Trichloropropane    | 12.710 | 75   | 4834     | 5.450   | ug/l # | 100      |
| 77) Bromobenzene              | 12.704 | 156  | 9779     | 5.297   | ug/l   | 94       |
| 78) n-propylbenzene           | 12.763 | 91   | 47706    | 5.026   | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 12.851 | 91   | 26572    | 5.208   | ug/l   | 95       |
| 80) 1,3,5-Trimethylbenzene    | 12.904 | 105  | 33304    | 5.087   | ug/l   | 91       |
| 81) trans-1,4-Dichloro-2-b... | 12.475 | 75   | 2248     | 5.129   | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 12.945 | 91   | 26559    | 4.998   | ug/l   | 98       |
| 83) tert-Butylbenzene         | 13.169 | 119  | 26092    | 4.734   | ug/l   | 92       |
| 84) 1,2,4-Trimethylbenzene    | 13.216 | 105  | 30516    | 4.682   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.345 | 105  | 40077    | 4.927   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 13.463 | 119  | 34252    | 4.707   | ug/l   | 97       |
| 87) 1,3-Dichlorobenzene       | 13.463 | 146  | 18816    | 4.980   | ug/l   | 94       |
| 88) 1,4-Dichlorobenzene       | 13.545 | 146  | 26681    | 5.415   | ug/l   | 93       |
| 89) n-Butylbenzene            | 13.792 | 91   | 33322    | 4.868   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.057 | 117  | 6703     | 4.981   | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 13.834 | 146  | 17166    | 5.355   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.451 | 75   | 1378     | 6.388   | ug/l   | 63       |
| 93) 1,2,4-Trichlorobenzene    | 15.098 | 180  | 12786    | 5.873   | ug/l   | 89       |
| 94) Hexachlorobutadiene       | 15.204 | 225  | 5831     | 4.987   | ug/l   | 98       |
| 95) Naphthalene               | 15.333 | 128  | 16774    | 4.645   | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.528 | 180  | 9045     | 5.088   | ug/l   | 98       |

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Data File : VD077782.D  
Acq On : 08 Dec 2023 09:15  
Operator : JC/SY  
Sample : VSTDICC005  
Misc : 5.00G/5.0ml/MSVOA\_D/SOIL  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

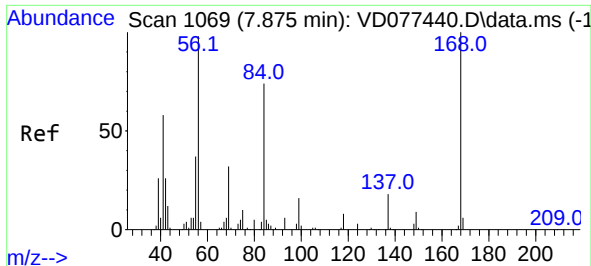
Quant Time: Dec 08 12:25:40 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 08 12:22:17 2023  
Response via : Initial Calibration

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

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D120823S.M  
Quant Title : SW846 8260  
QLast Update : Fri Dec 08 12:22:17 2023  
Response via : Initial Calibration

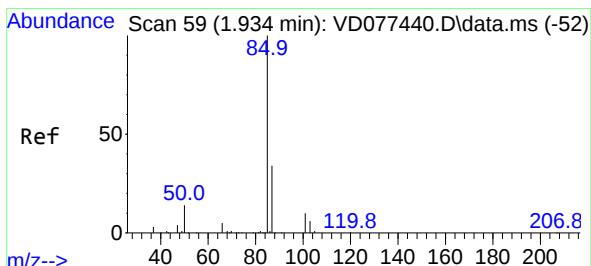
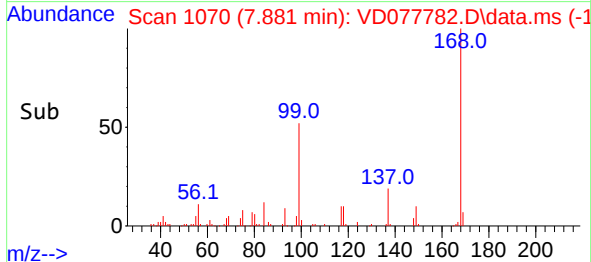
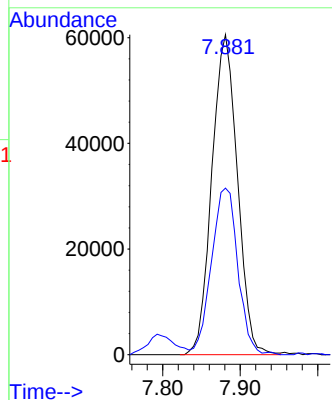
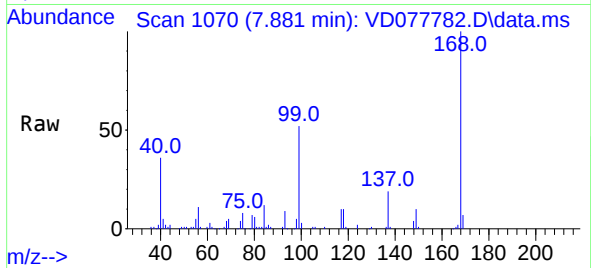




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.881 min Scan# 10  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

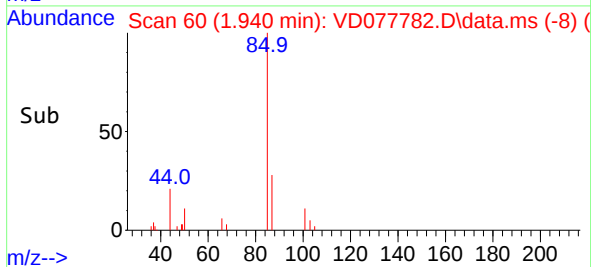
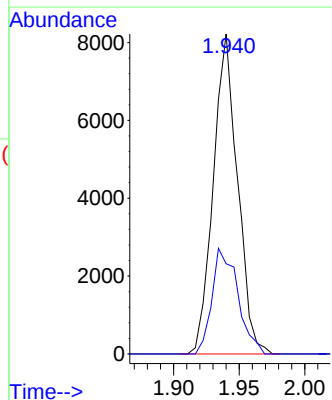
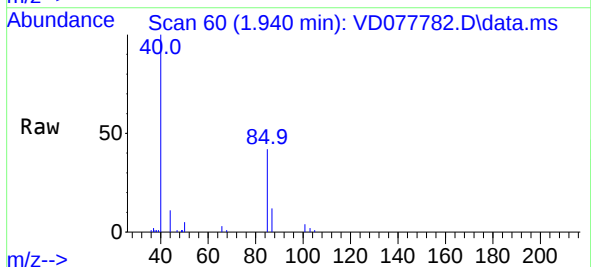
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

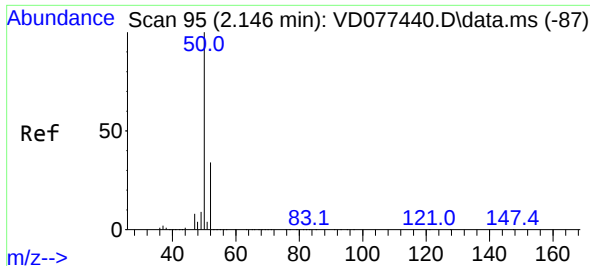
Tgt Ion:168 Resp: 138695  
Ion Ratio Lower Upper  
168 100  
99 52.1 36.7 55.1



#2  
Dichlorodifluoromethane  
Concen: 5.992 ug/l  
RT: 1.940 min Scan# 60  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 85 Resp: 10548  
Ion Ratio Lower Upper  
85 100  
87 28.2 15.7 47.0

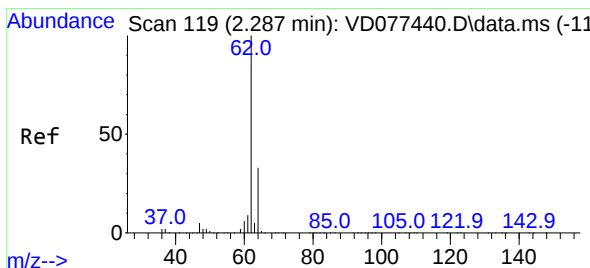
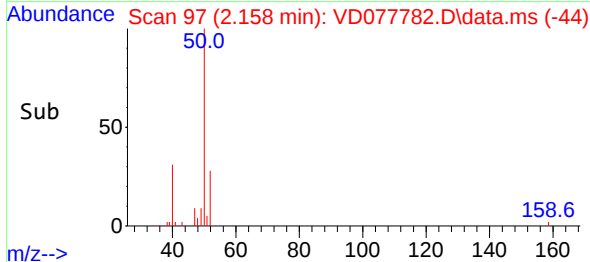
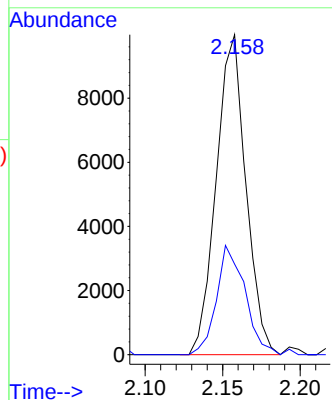
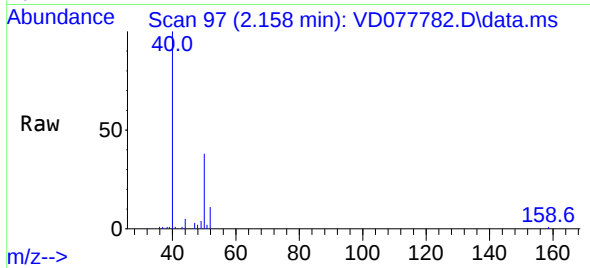




#3  
Chloromethane  
Concen: 5.648 ug/l  
RT: 2.158 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

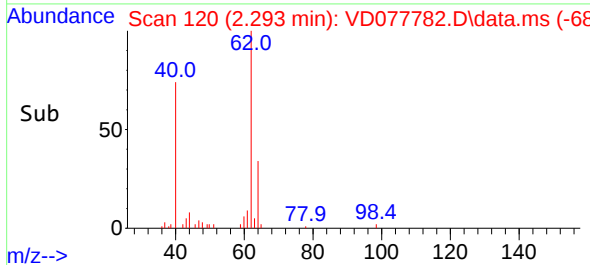
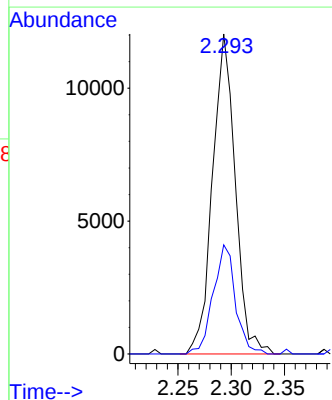
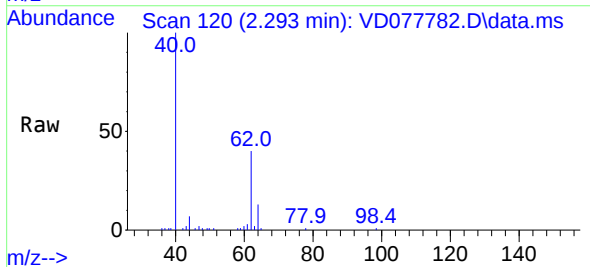
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

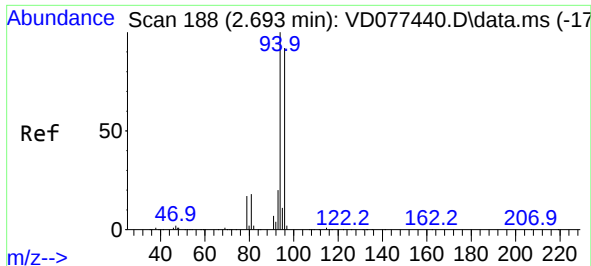
Tgt Ion: 50 Resp: 13278  
Ion Ratio Lower Upper  
50 100  
52 28.3 26.6 40.0



#4  
Vinyl Chloride  
Concen: 5.446 ug/l  
RT: 2.293 min Scan# 120  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 62 Resp: 17863  
Ion Ratio Lower Upper  
62 100  
64 34.1 26.0 39.0

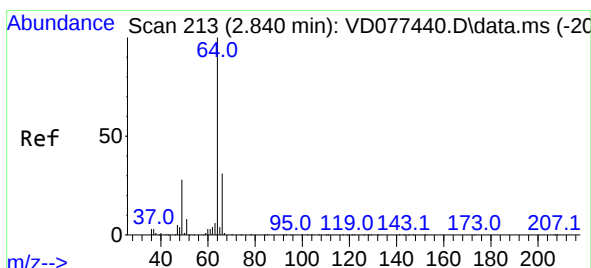
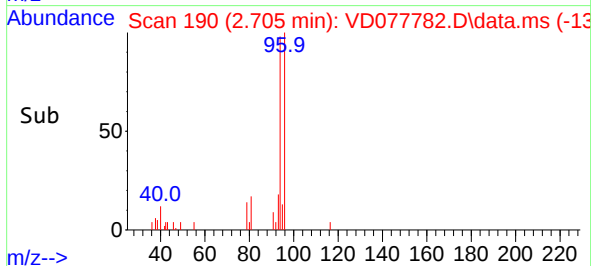
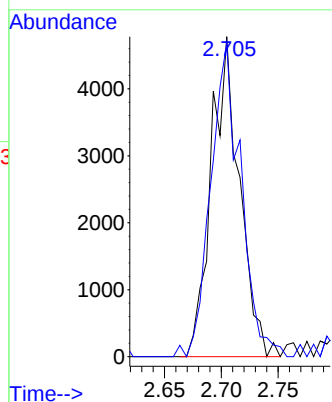
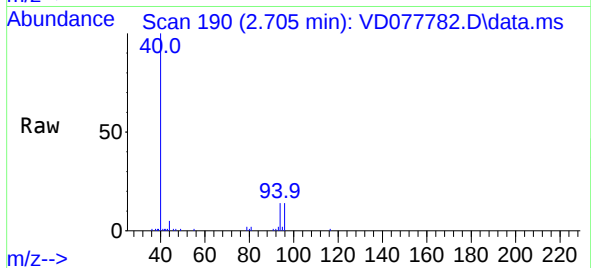




#5  
Bromomethane  
Concen: 4.574 ug/l  
RT: 2.705 min Scan# 190  
Delta R.T. 0.012 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

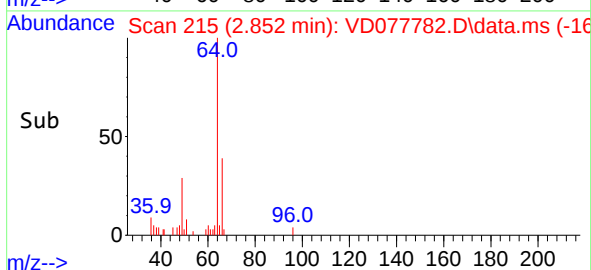
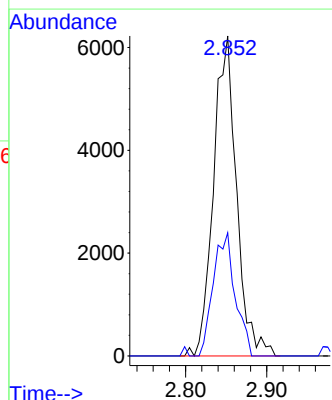
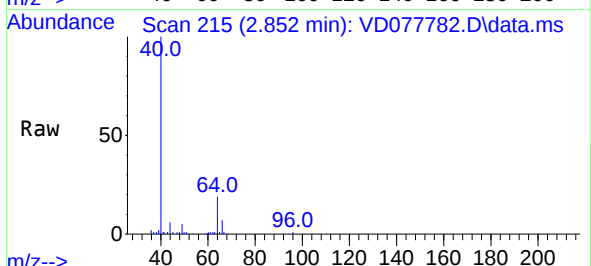
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

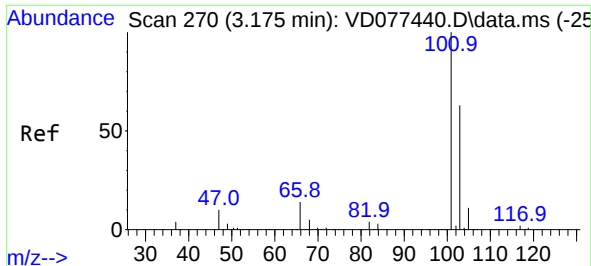
Tgt Ion: 94 Resp: 8313  
Ion Ratio Lower Upper  
94 100  
96 103.9 75.8 113.8



#6  
Chloroethane  
Concen: 5.520 ug/l  
RT: 2.852 min Scan# 215  
Delta R.T. 0.012 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 64 Resp: 12258  
Ion Ratio Lower Upper  
64 100  
66 38.5 25.5 38.3#

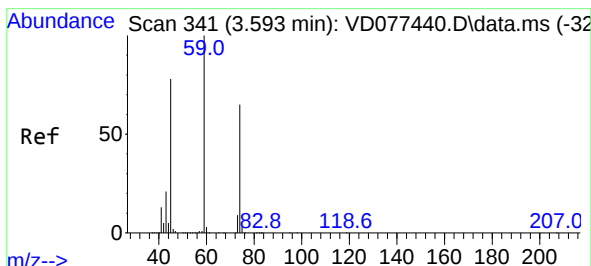
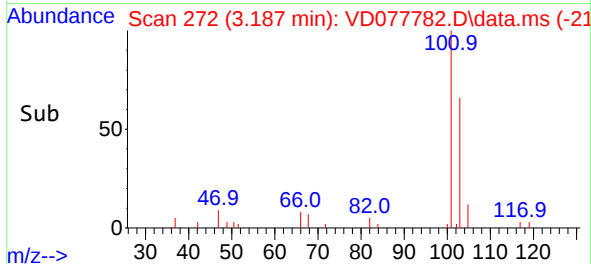
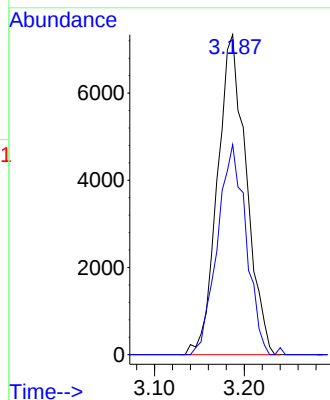
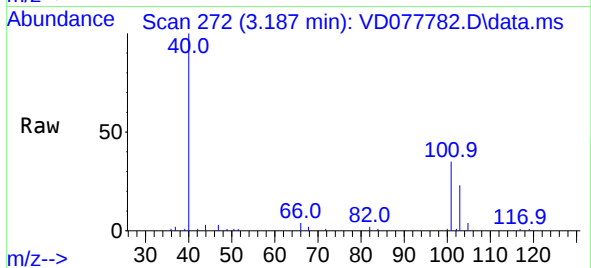




#7  
Trichlorofluoromethane  
Concen: 5.502 ug/l  
RT: 3.187 min Scan# 21  
Delta R.T. 0.012 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

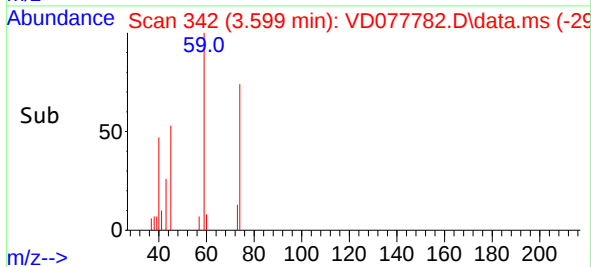
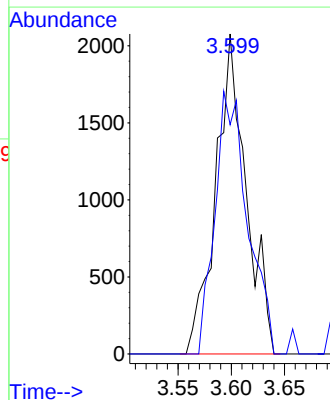
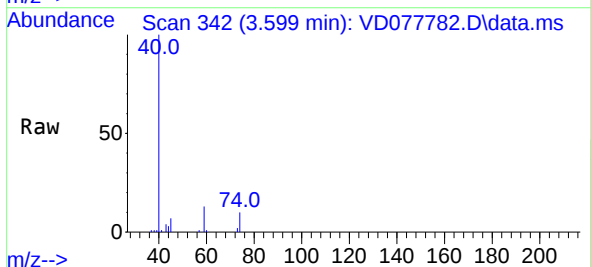
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

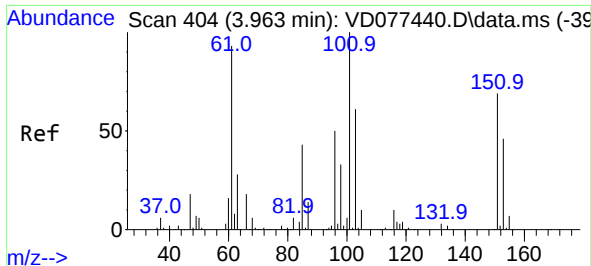
Tgt Ion:101 Resp: 16355  
Ion Ratio Lower Upper  
101 100  
103 65.7 52.3 78.5



#8  
Diethyl Ether  
Concen: 4.977 ug/l  
RT: 3.599 min Scan# 342  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 74 Resp: 4137  
Ion Ratio Lower Upper  
74 100  
45 87.9 37.5 112.7

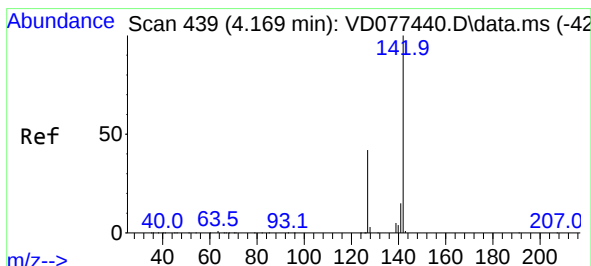
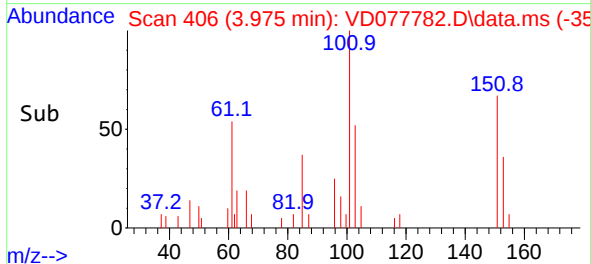
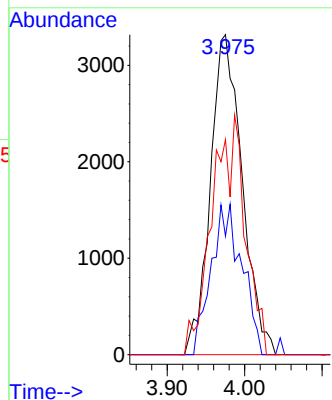
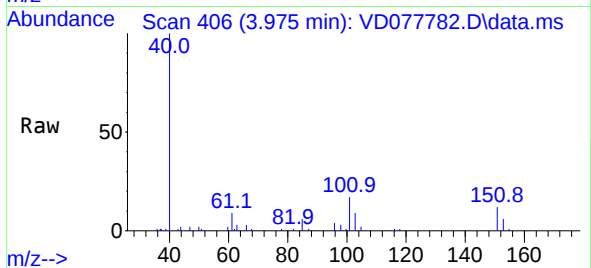




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 5.551 ug/l  
RT: 3.975 min Scan# 406  
Delta R.T. 0.012 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

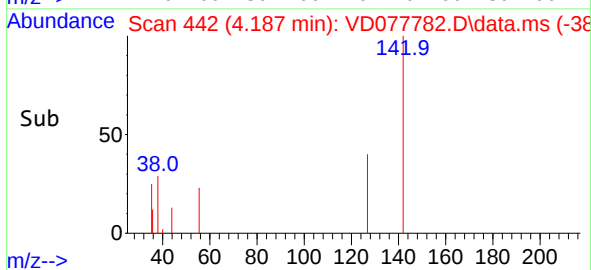
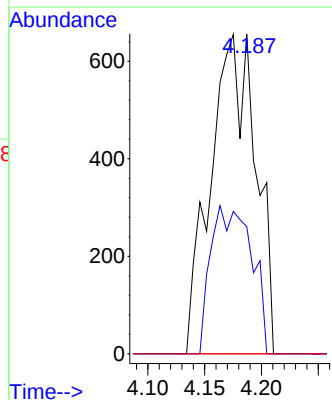
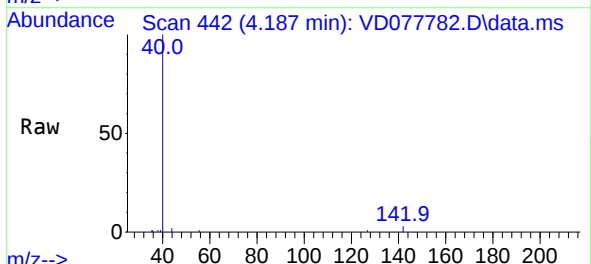
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

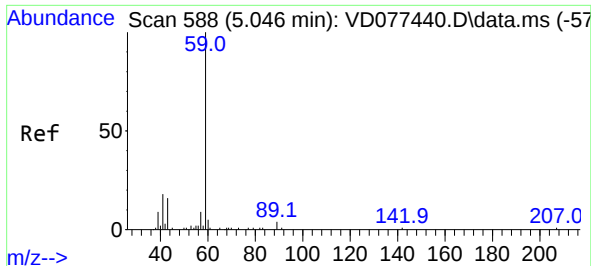
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 9494  |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 45.2  | 33.8  | 50.6  |
| 151      | 45.4  | 59.8  | 89.6  |



#10  
Methyl Iodide  
Concen: 7.299 ug/l  
RT: 4.187 min Scan# 442  
Delta R.T. 0.018 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 1812  |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 0.0   | 29.4  | 44.0  |
| 141      | 0.0   | 11.1  | 16.7  |

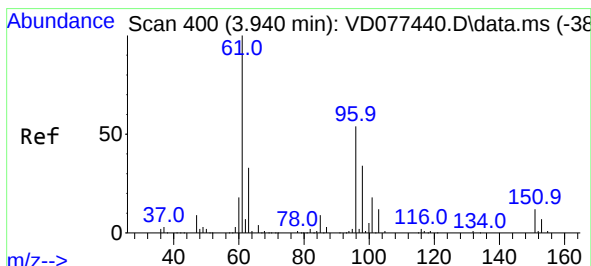
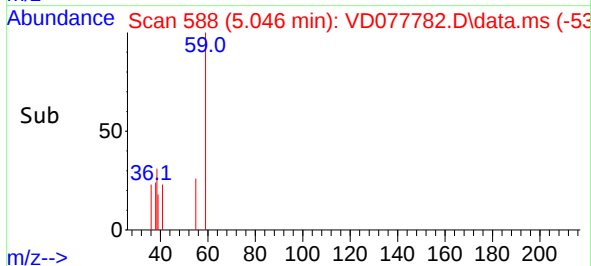
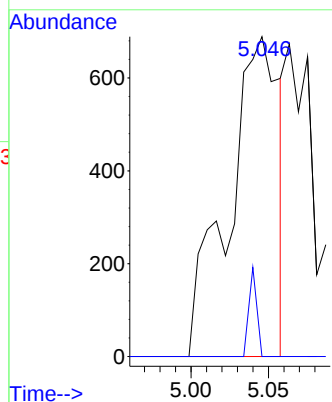
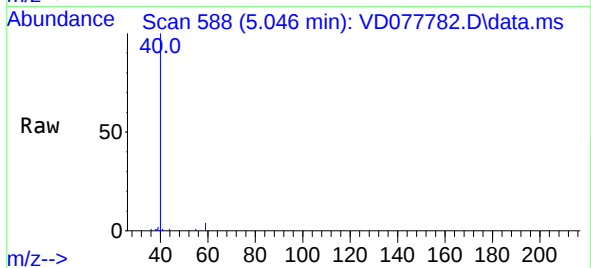




#11  
Tert butyl alcohol  
Concen: 5.955 ug/l  
RT: 5.046 min Scan# 588  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

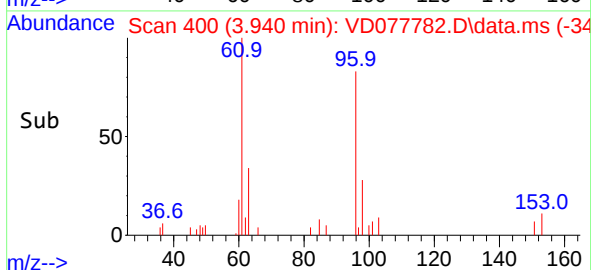
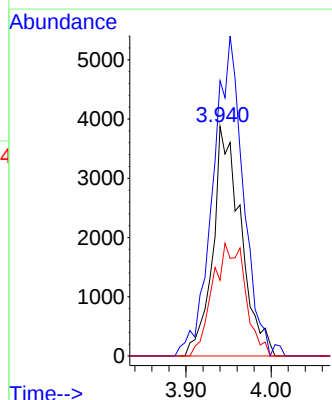
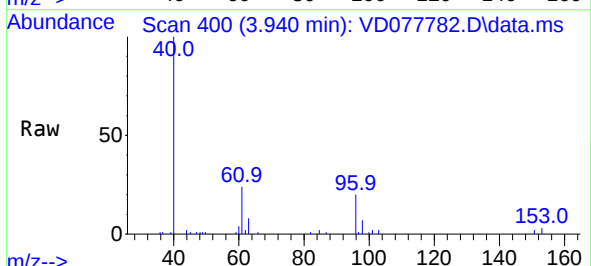
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

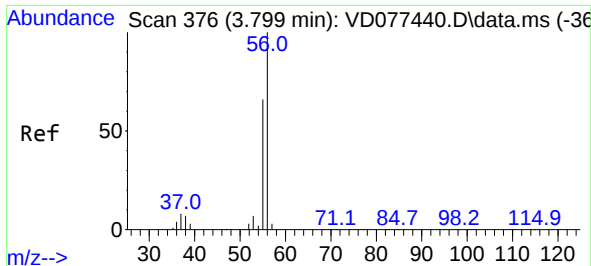
Tgt Ion: 59 Resp: 1561  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.8 11.8#



#12  
1,1-Dichloroethene  
Concen: 5.240 ug/l  
RT: 3.940 min Scan# 400  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 96 Resp: 8864  
Ion Ratio Lower Upper  
96 100  
61 115.9 100.6 150.8  
98 33.0 50.2 75.2#

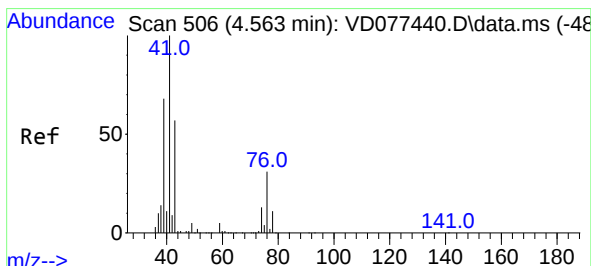
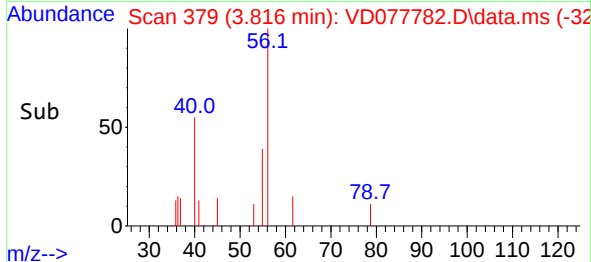
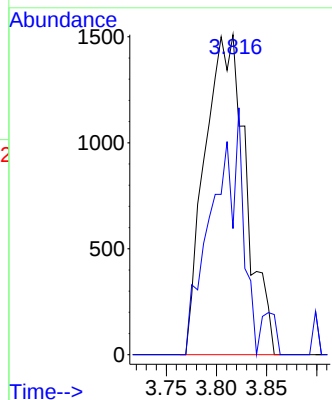
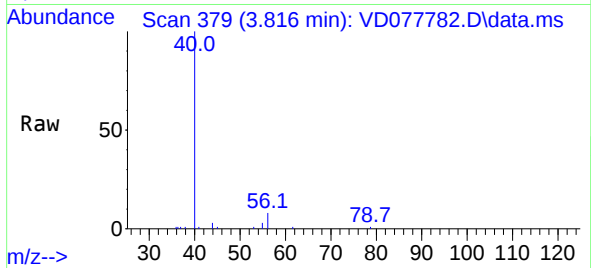




#13  
Acrolein  
Concen: 23.964 ug/l  
RT: 3.816 min Scan# 31  
Delta R.T. 0.017 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

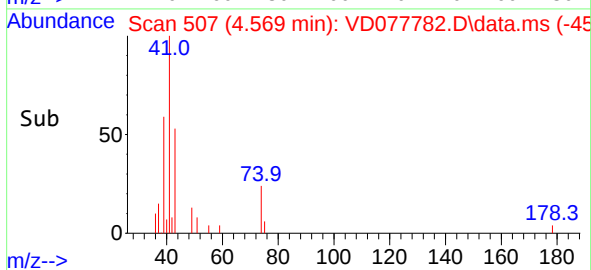
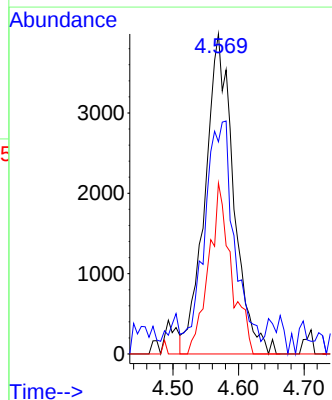
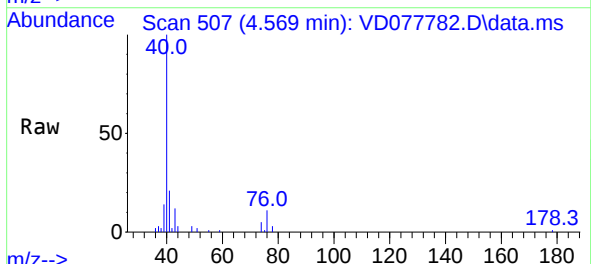
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

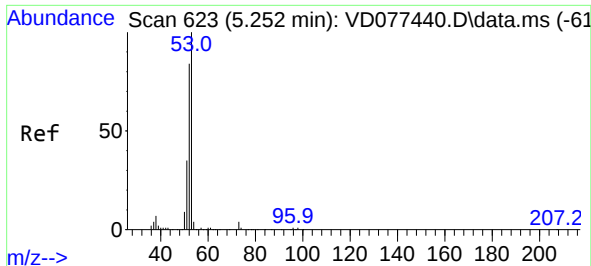
Tgt Ion: 56 Resp: 4305  
Ion Ratio Lower Upper  
56 100  
55 56.1 55.1 82.7



#14  
Allyl chloride  
Concen: 5.208 ug/l  
RT: 4.569 min Scan# 507  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 41 Resp: 12032  
Ion Ratio Lower Upper  
41 100  
39 71.4 53.8 80.6  
76 42.2 45.8 68.8#

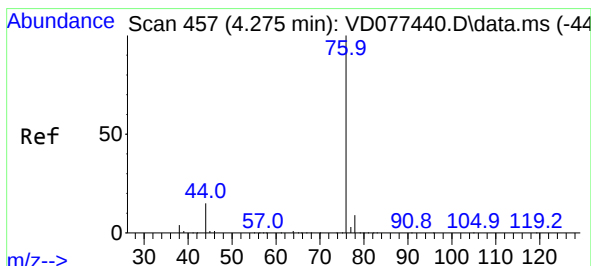
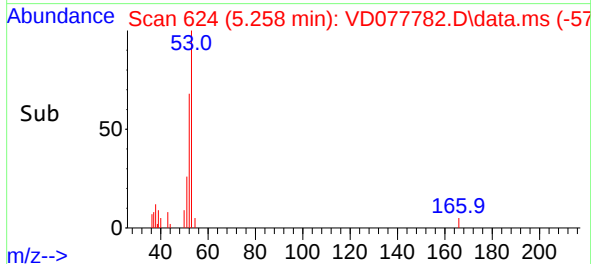
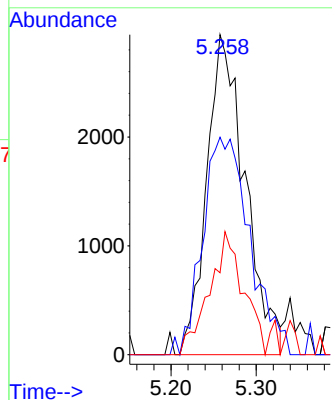
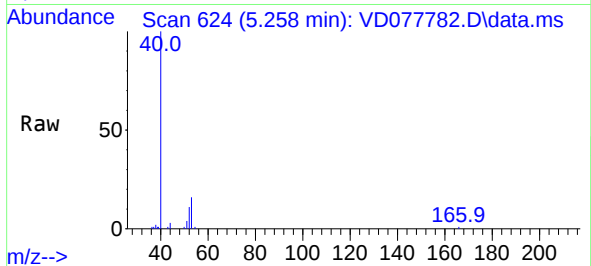




#15  
Acrylonitrile  
Concen: 25.402 ug/l  
RT: 5.258 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

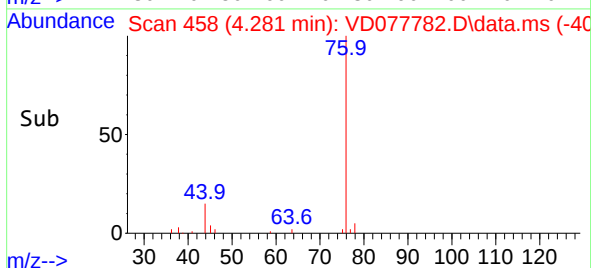
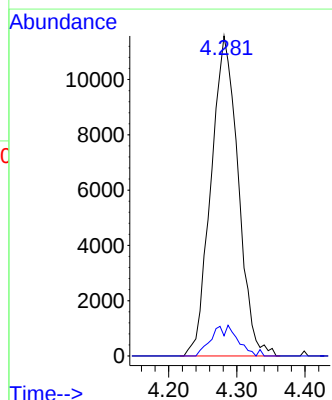
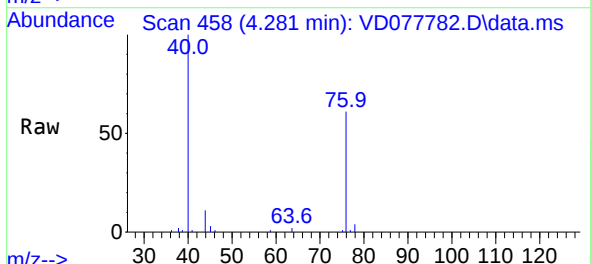
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

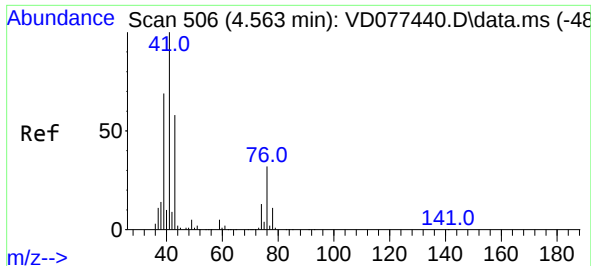
Tgt Ion: 53 Resp: 9201  
Ion Ratio Lower Upper  
53 100  
52 83.4 65.0 97.4  
51 34.2 28.3 42.5



#17  
Carbon Disulfide  
Concen: 5.630 ug/l  
RT: 4.281 min Scan# 458  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 76 Resp: 32090  
Ion Ratio Lower Upper  
76 100  
78 6.3 6.8 10.2#

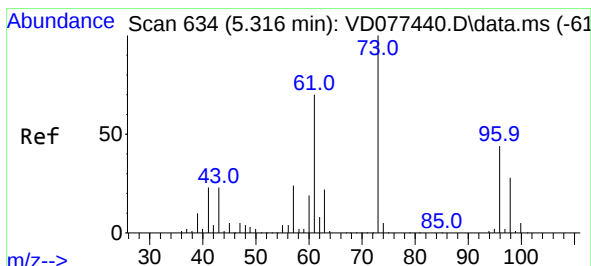
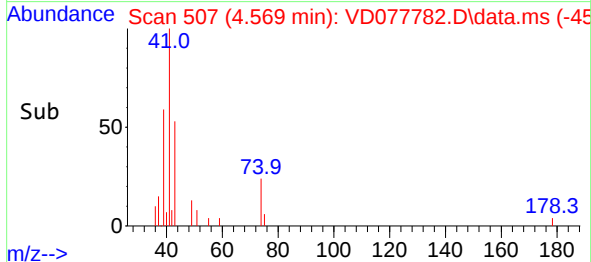
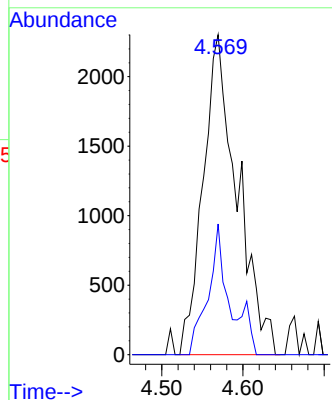
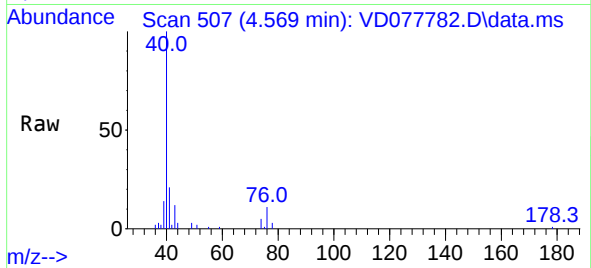




#18  
Methyl Acetate  
Concen: 5.130 ug/l  
RT: 4.569 min Scan# 506  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

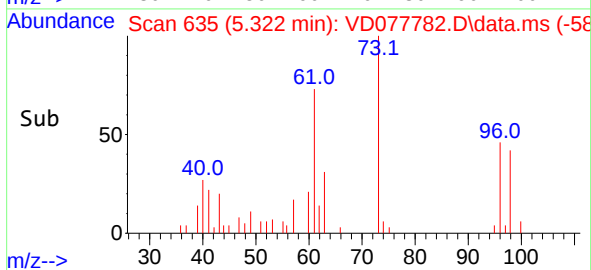
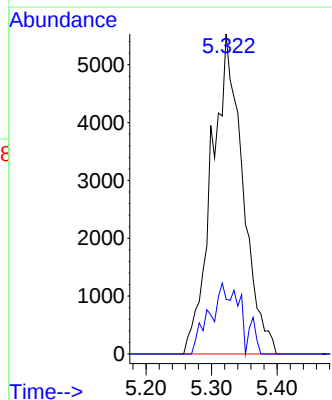
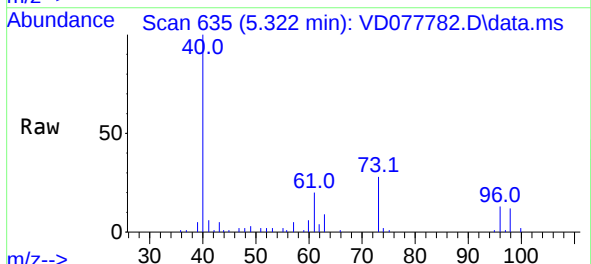
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

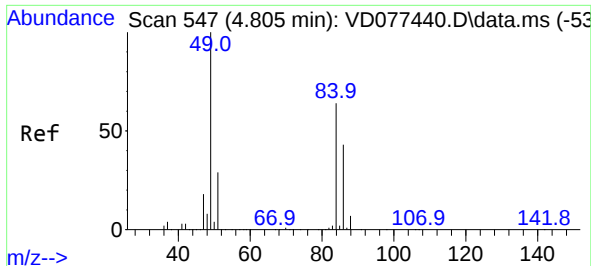
Tgt Ion: 43 Resp: 6736  
Ion Ratio Lower Upper  
43 100  
74 21.8 26.4 39.6#



#19  
Methyl tert-butyl Ether  
Concen: 5.046 ug/l  
RT: 5.322 min Scan# 635  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 73 Resp: 18197  
Ion Ratio Lower Upper  
73 100  
57 17.1 16.6 25.0



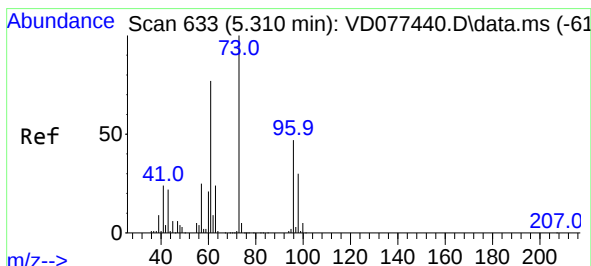
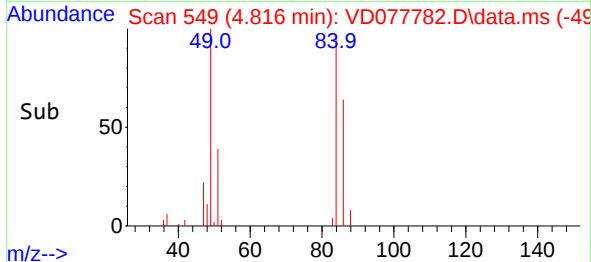
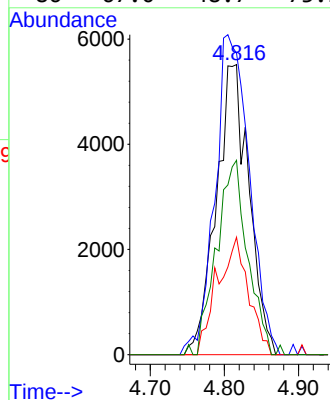
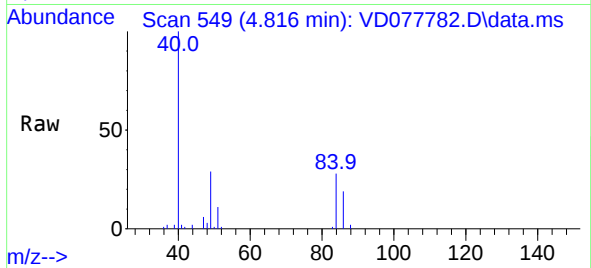


#20  
Methylene Chloride  
Concen: 4.357 ug/l  
RT: 4.816 min Scan# 547  
Delta R.T. 0.011 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

Tgt Ion: 84 Resp: 16955

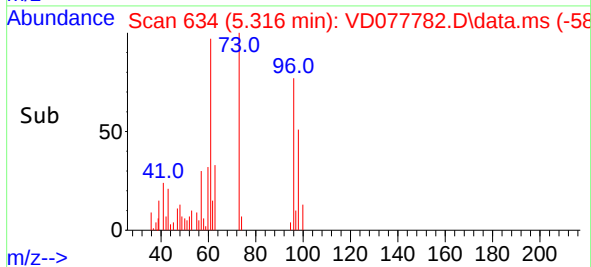
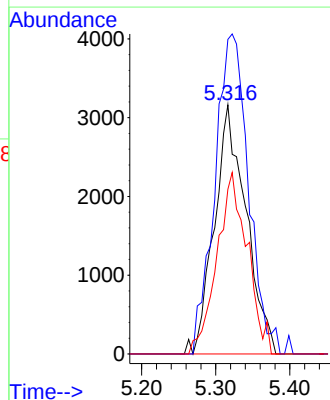
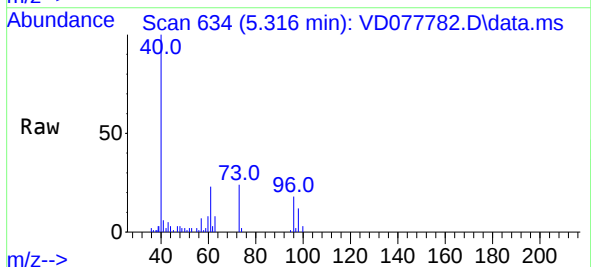
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 104.0 | 71.4  | 107.2 |
| 51  | 40.5  | 24.5  | 36.7# |
| 86  | 67.0  | 48.7  | 73.1  |

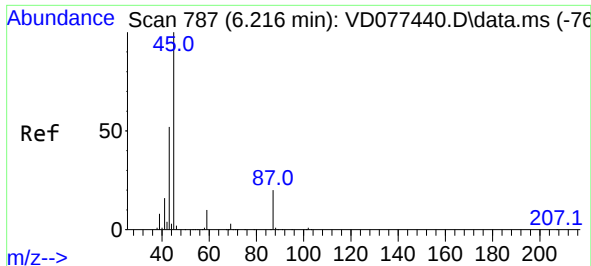


#21  
trans-1,2-Dichloroethene  
Concen: 4.927 ug/l  
RT: 5.316 min Scan# 634  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 96 Resp: 9380

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 126.2 | 89.3  | 133.9 |
| 98  | 66.1  | 48.6  | 73.0  |

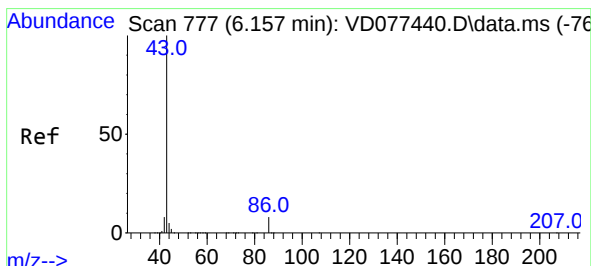
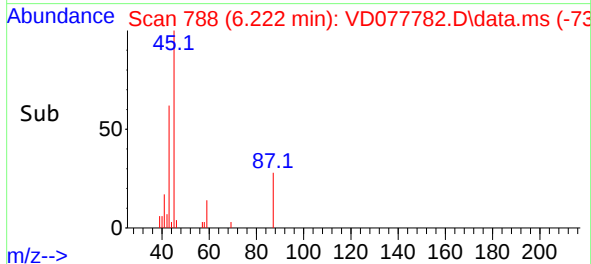
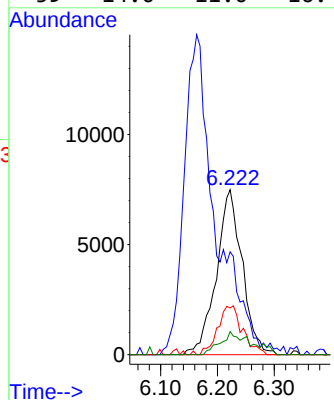
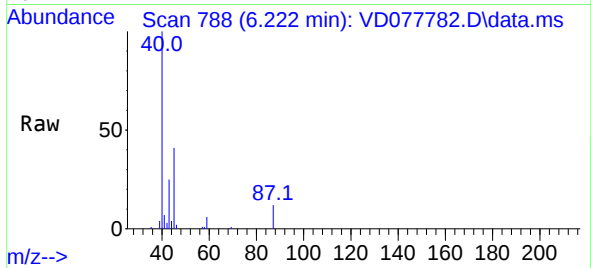




#22  
Diisopropyl ether  
Concen: 4.896 ug/l  
RT: 6.222 min Scan# 788  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

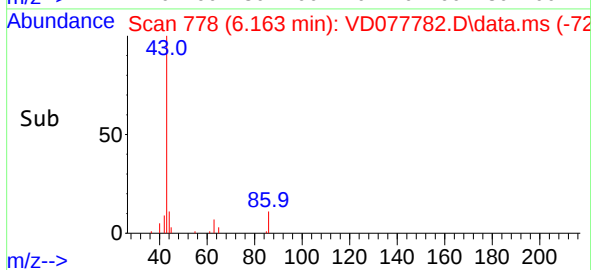
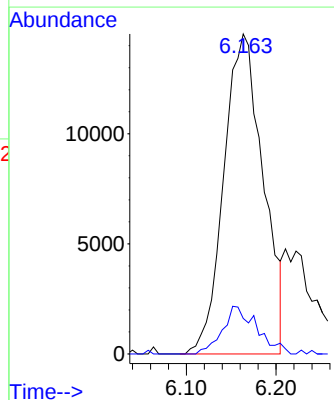
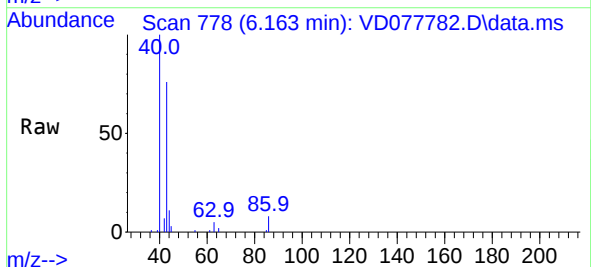
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

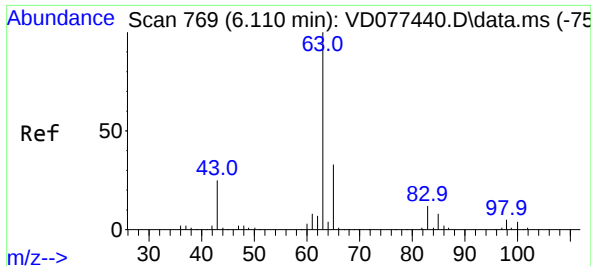
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 23688 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 60.0  | 40.0  | 60.0# |
| 87       | 28.3  | 28.2  | 42.4  |
| 59       | 14.0  | 11.0  | 16.4  |



#23  
Vinyl Acetate  
Concen: 19.261 ug/l  
RT: 6.163 min Scan# 778  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 44302 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 86       | 11.1  | 12.5  | 18.7# |

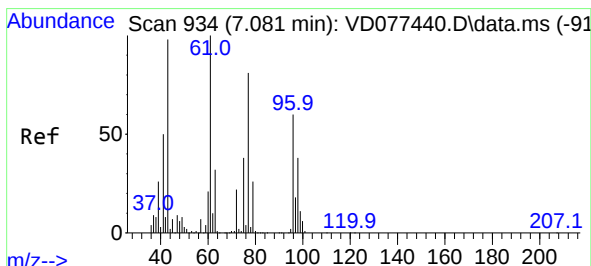
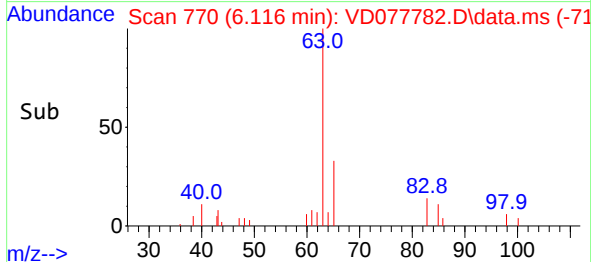
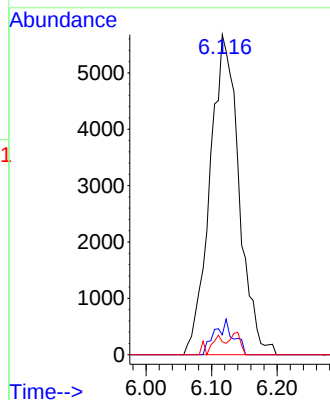
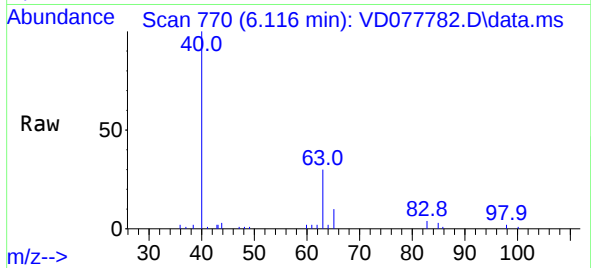




#24  
1,1-Dichloroethane  
Concen: 5.347 ug/l  
RT: 6.116 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

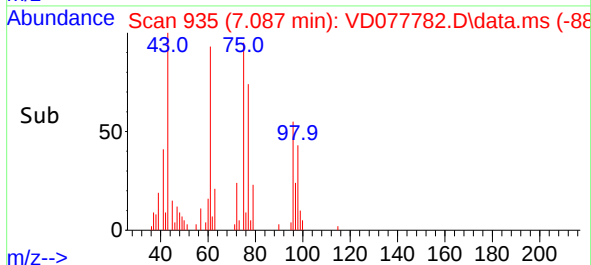
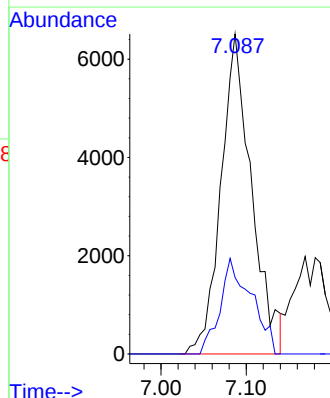
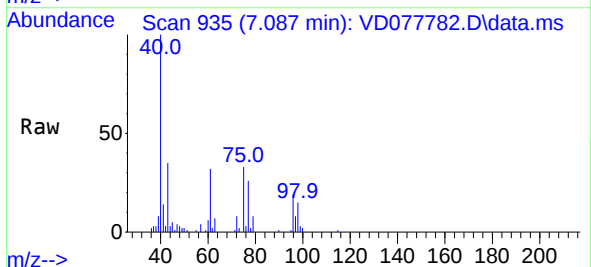
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

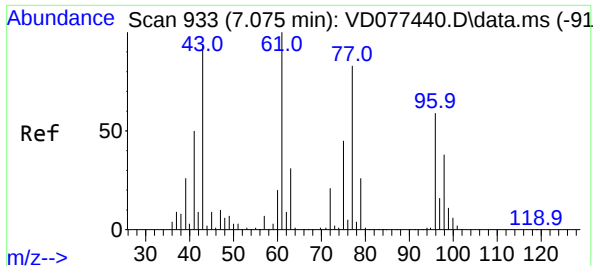
Tgt Ion: 63 Resp: 17494  
Ion Ratio Lower Upper  
63 100  
98 6.2 4.5 13.7  
100 4.1 2.5 7.5



#25  
2-Butanone  
Concen: 15.898 ug/l  
RT: 7.087 min Scan# 935  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 43 Resp: 16264  
Ion Ratio Lower Upper  
43 100  
72 23.9 30.7 46.1#





#26

2,2-Dichloropropane

Concen: 5.344 ug/l

RT: 7.075 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

Instrument :

MSVOA\_D

ClientSampleId :

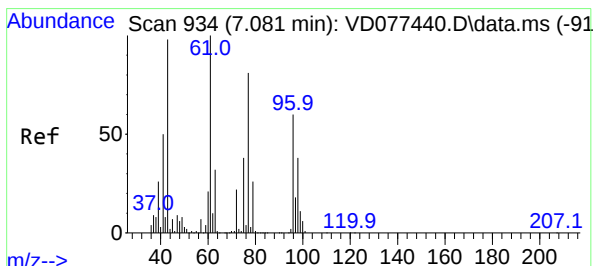
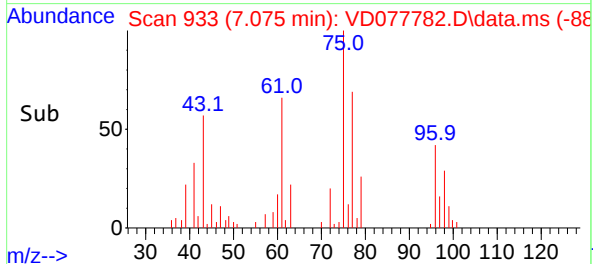
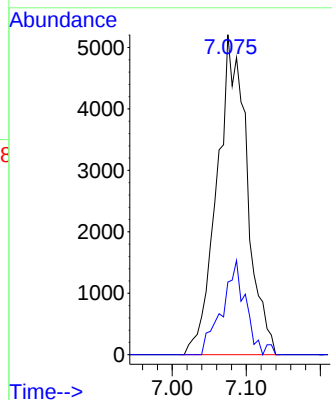
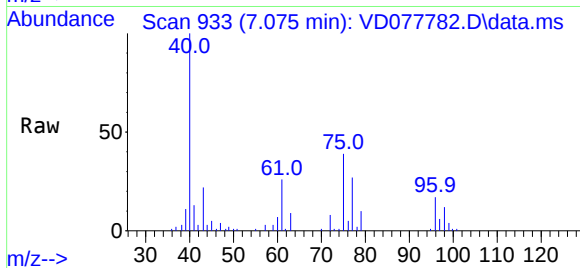
VSTDIC005

Tgt Ion: 77 Resp: 14688

Ion Ratio Lower Upper

77 100

97 22.5 13.2 39.6



#27

cis-1,2-Dichloroethene

Concen: 4.896 ug/l

RT: 7.087 min Scan# 935

Delta R.T. 0.006 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

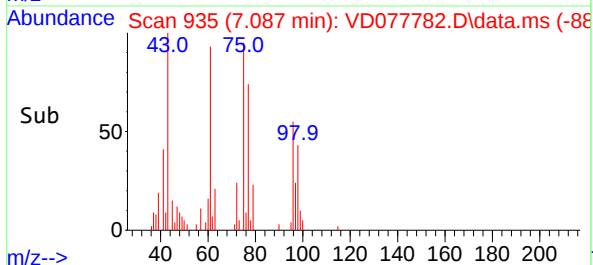
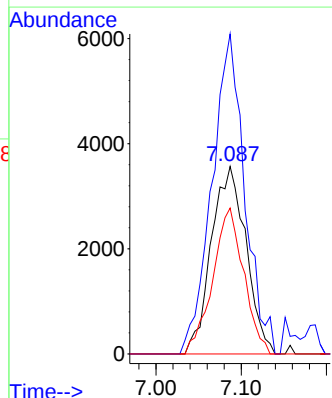
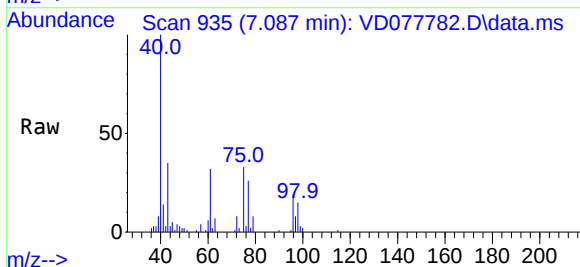
Tgt Ion: 96 Resp: 10077

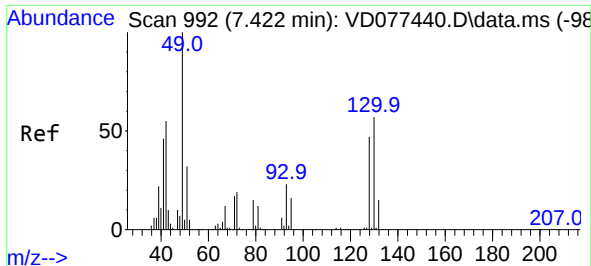
Ion Ratio Lower Upper

96 100

61 161.7 0.0 239.2

98 69.7 0.0 128.6

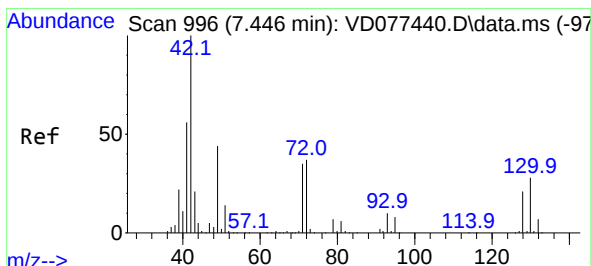
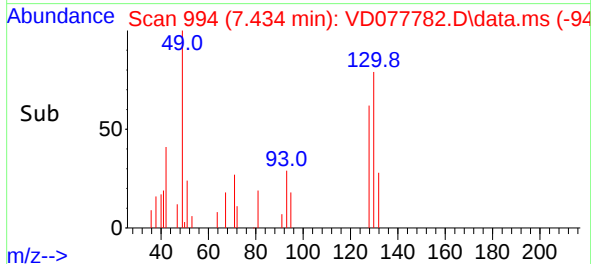
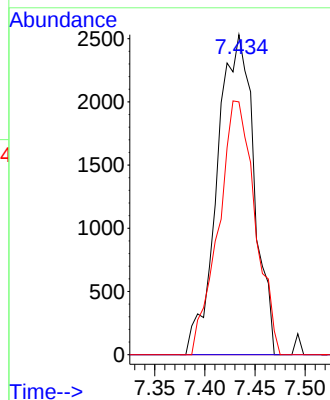
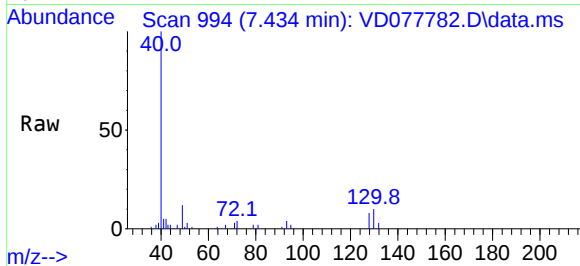




#28  
Bromochloromethane  
Concen: 4.877 ug/l  
RT: 7.434 min Scan# 994  
Delta R.T. 0.012 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

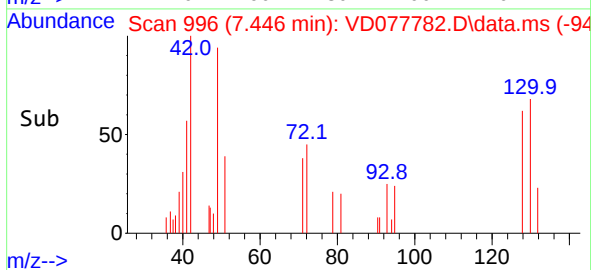
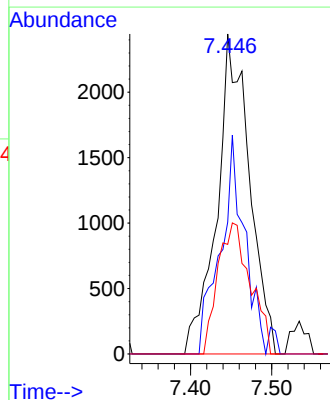
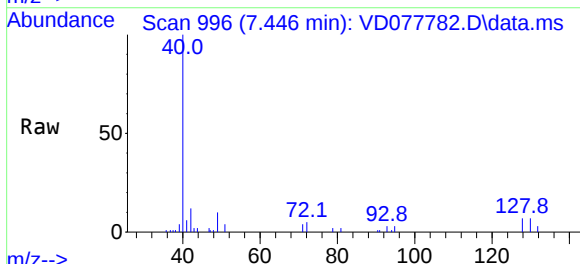
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

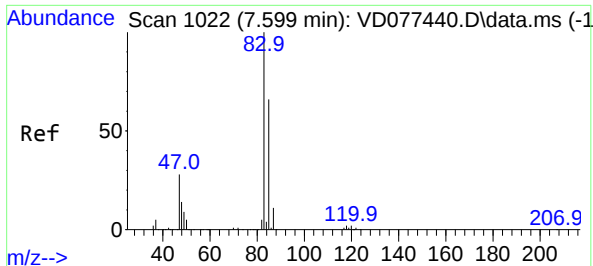
Tgt Ion: 49 Resp: 6458  
Ion Ratio Lower Upper  
49 100  
129 0.0 0.0 6.0  
130 78.9 83.2 124.8#



#29  
Tetrahydrofuran  
Concen: 25.518 ug/l  
RT: 7.446 min Scan# 996  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 42 Resp: 6790  
Ion Ratio Lower Upper  
42 100  
72 50.8 46.5 69.7  
71 41.0 44.5 66.7#





#30

Chloroform

Concen: 5.400 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. -0.000 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

Instrument :

MSVOA\_D

ClientSampleId :

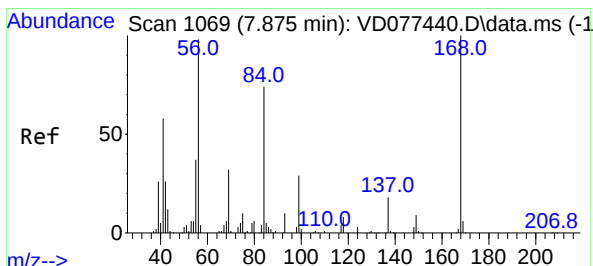
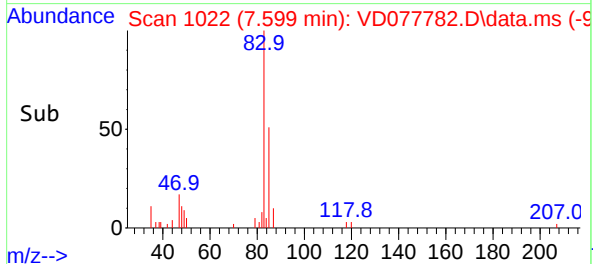
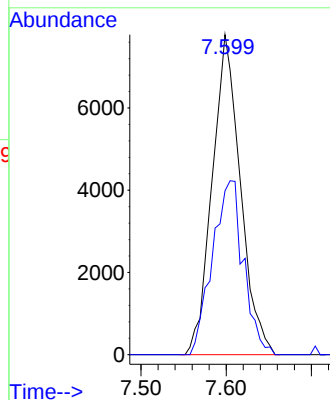
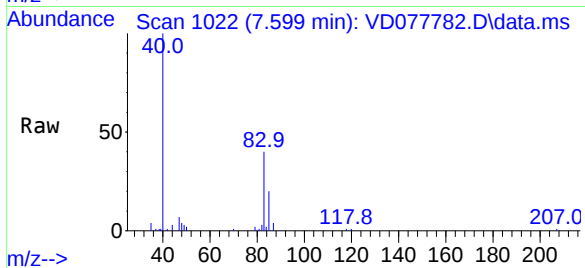
VSTDIC005

Tgt Ion: 83 Resp: 17891

Ion Ratio Lower Upper

83 100

85 51.2 53.4 80.2#



#31

Cyclohexane

Concen: 5.916 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

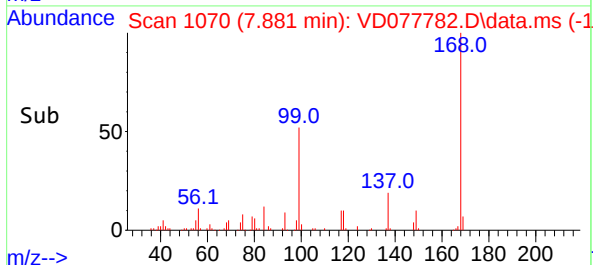
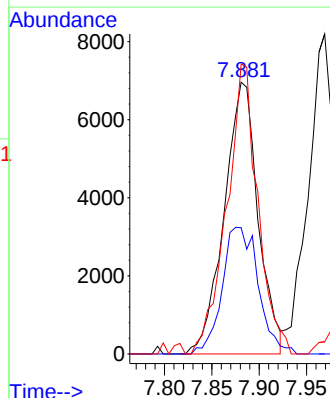
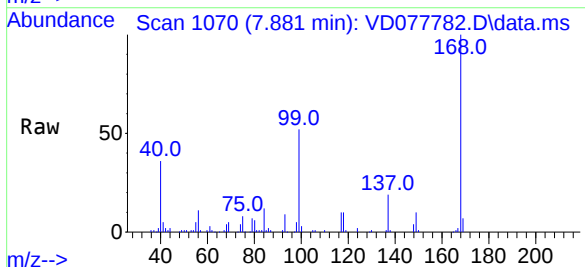
Tgt Ion: 56 Resp: 17324

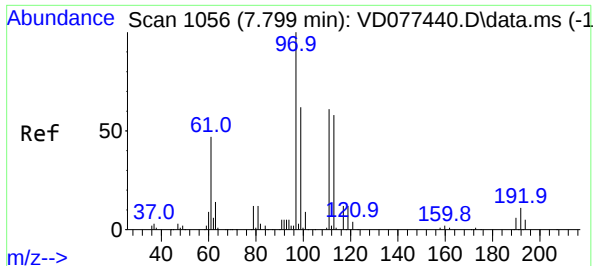
Ion Ratio Lower Upper

56 100

69 43.5 28.6 43.0#

84 102.9 84.8 127.2



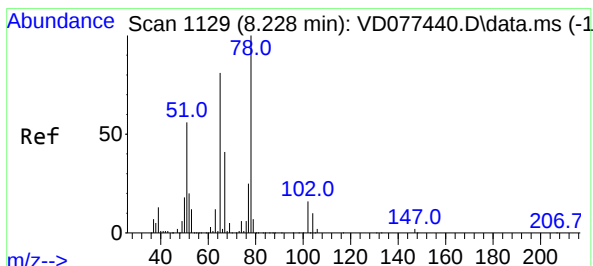
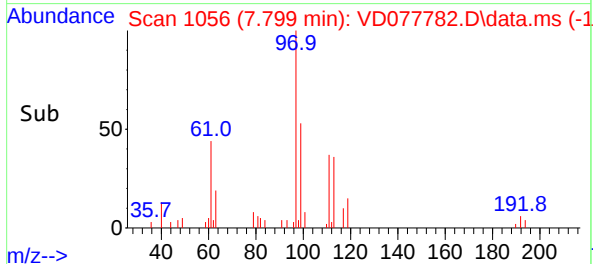
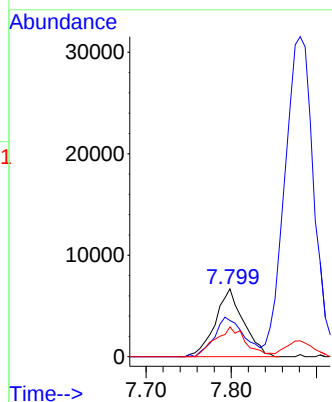
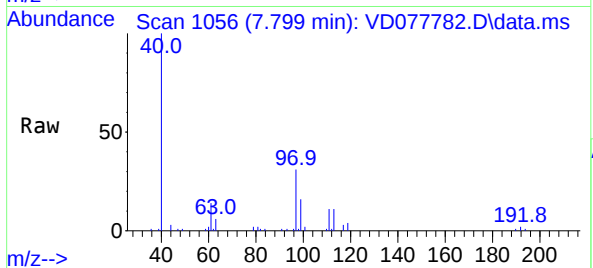


#32  
1,1,1-Trichloroethane  
Concen: 5.337 ug/l  
RT: 7.799 min Scan# 1056  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

Tgt Ion: 97 Resp: 15394

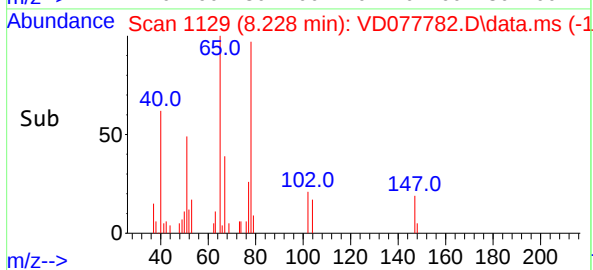
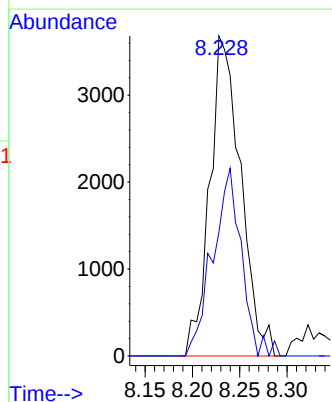
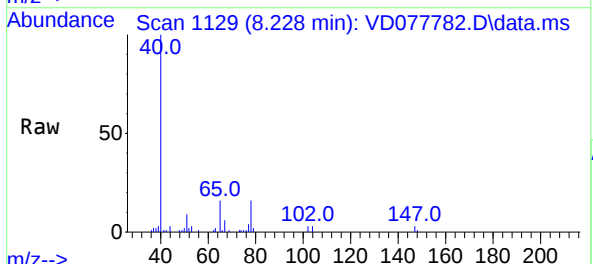
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.6  | 52.0  | 78.0  |
| 61  | 48.3  | 33.8  | 50.8  |

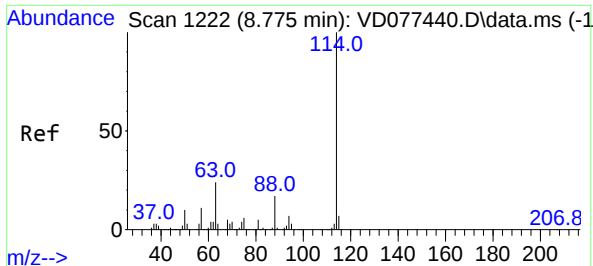


#33  
1,2-Dichloroethane-d4  
Concen: 5.037 ug/l  
RT: 8.228 min Scan# 1129  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 65 Resp: 8355

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 65  | 100   |       |       |
| 67  | 54.5  | 0.0   | 115.0 |





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

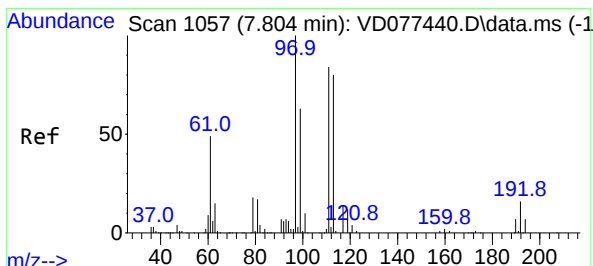
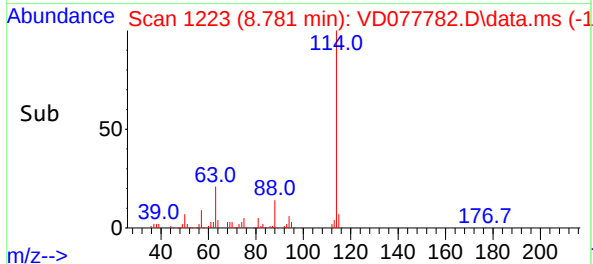
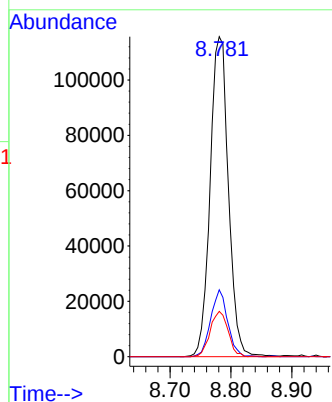
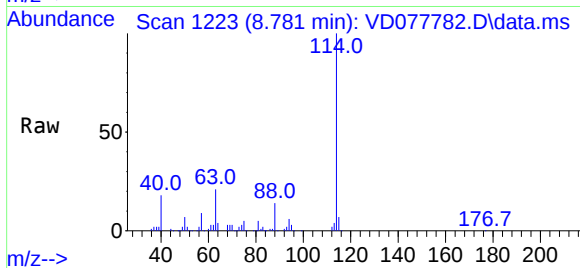
Tgt Ion:114 Resp: 241437

Ion Ratio Lower Upper

114 100

63 20.9 0.0 33.4

88 14.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 4.821 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

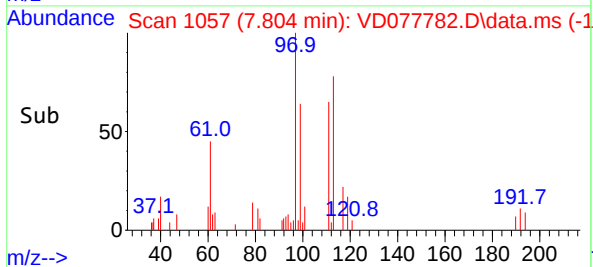
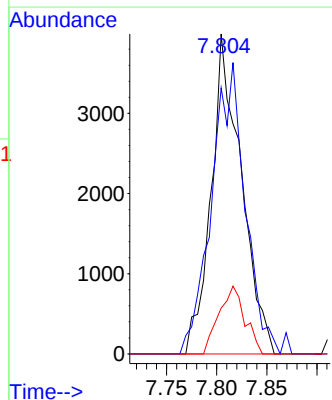
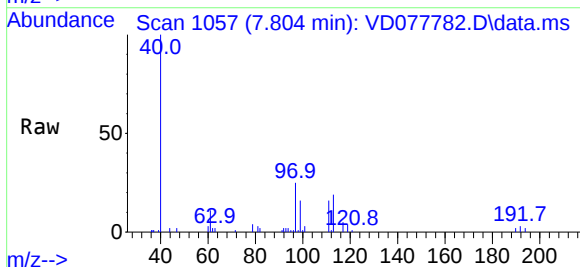
Tgt Ion:113 Resp: 8310

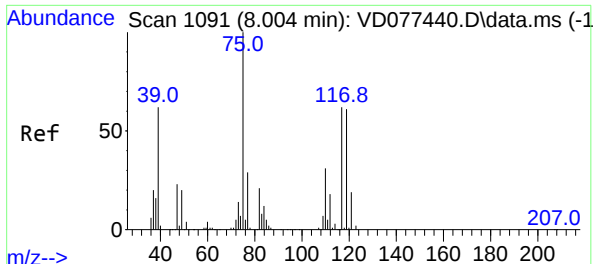
Ion Ratio Lower Upper

113 100

111 101.1 84.7 127.1

192 18.2 16.8 25.2

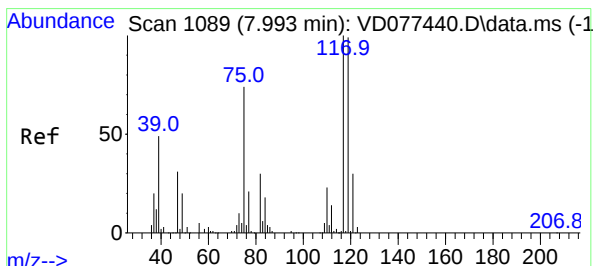
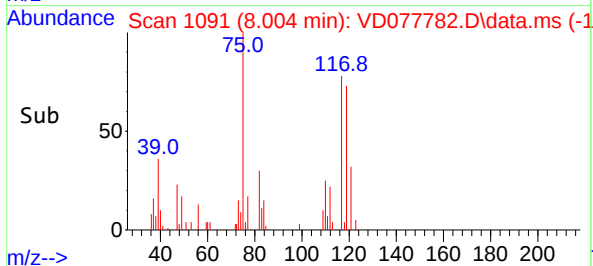
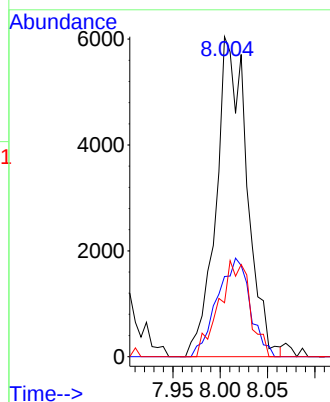
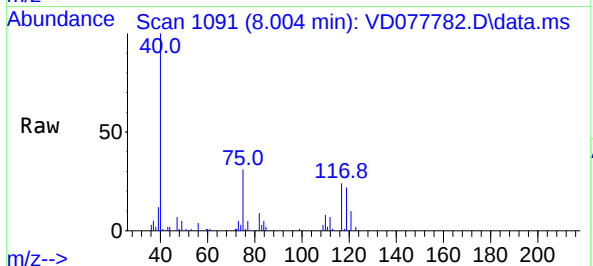




#36  
1,1-Dichloropropene  
Concen: 5.031 ug/l  
RT: 8.004 min Scan# 1091  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

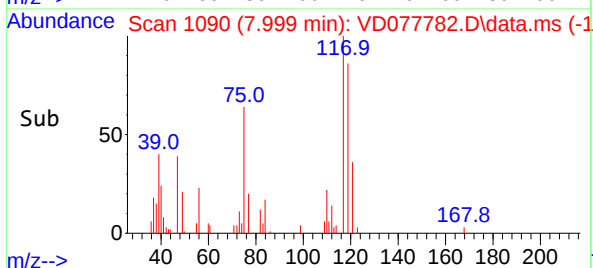
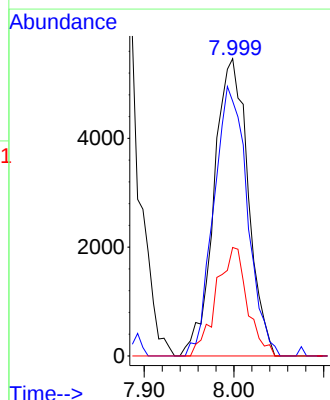
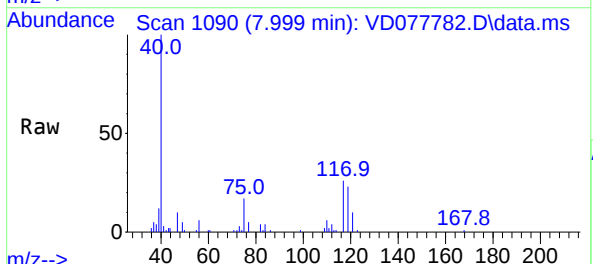
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

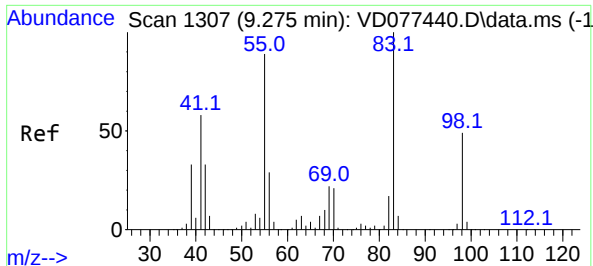
Tgt Ion: 75 Resp: 13707  
Ion Ratio Lower Upper  
75 100  
110 32.8 19.9 59.6  
77 29.8 24.7 37.1



#38  
Carbon Tetrachloride  
Concen: 5.254 ug/l  
RT: 7.999 min Scan# 1090  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 117 Resp: 14358  
Ion Ratio Lower Upper  
117 100  
119 85.7 78.0 117.0  
121 36.5 24.2 36.2#





#39

Methylcyclohexane

Concen: 4.833 ug/l

RT: 9.281 min Scan# 11308

Delta R.T. 0.006 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDICC005

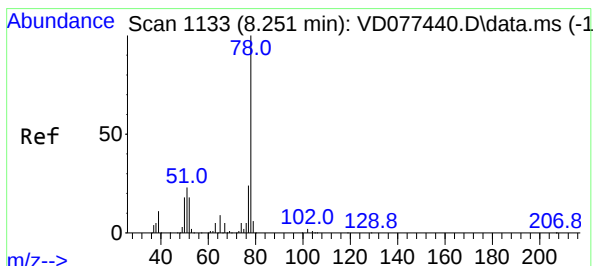
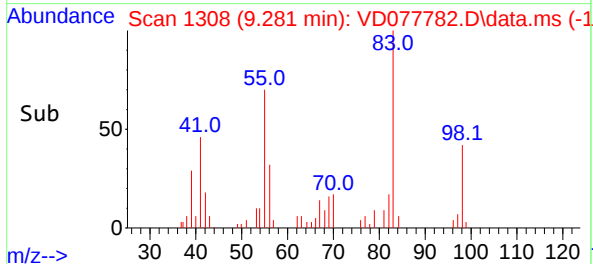
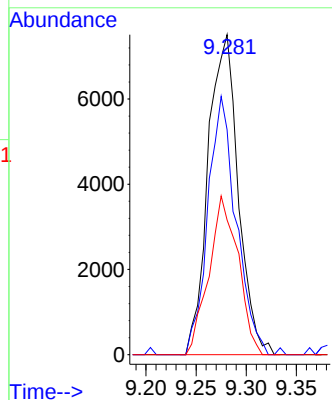
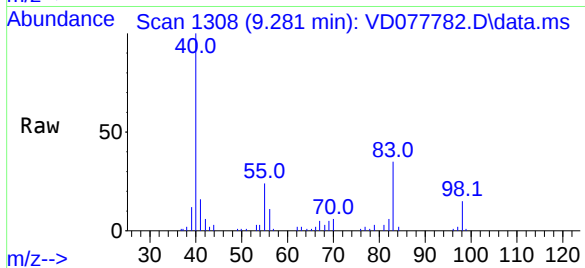
Tgt Ion: 83 Resp: 15656

Ion Ratio Lower Upper

83 100

55 70.3 49.4 74.0

98 42.1 38.4 57.6



#40

Benzene

Concen: 5.018 ug/l

RT: 8.257 min Scan# 1134

Delta R.T. 0.006 min

Lab File: VD077782.D

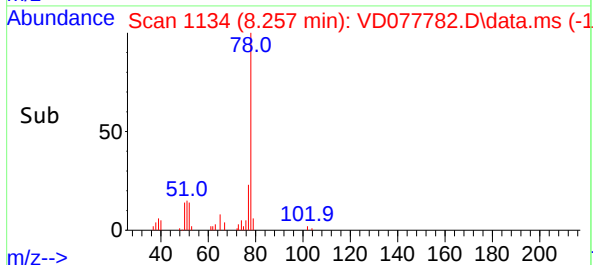
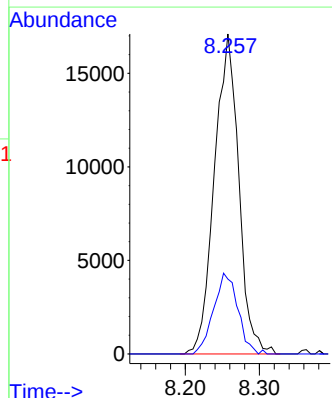
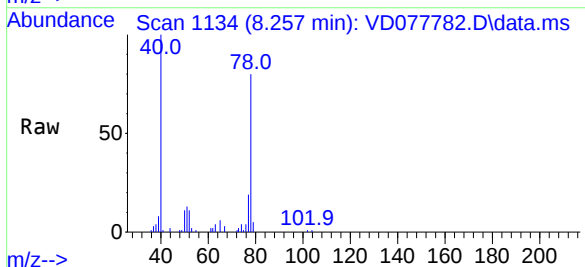
Acq: 08 Dec 2023 09:15

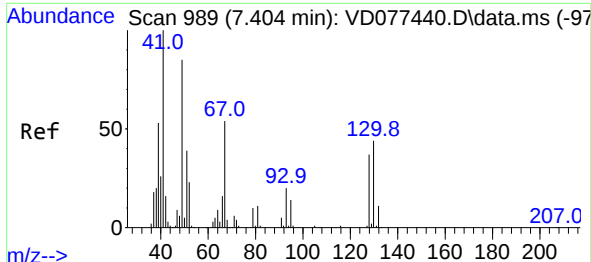
Tgt Ion: 78 Resp: 38988

Ion Ratio Lower Upper

78 100

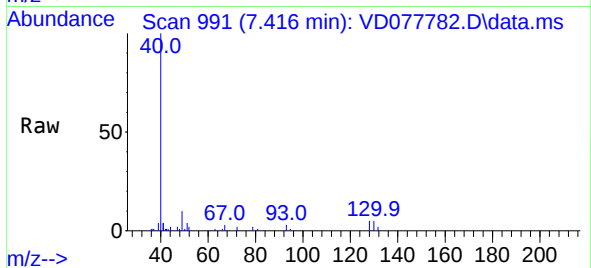
77 23.4 19.4 29.0



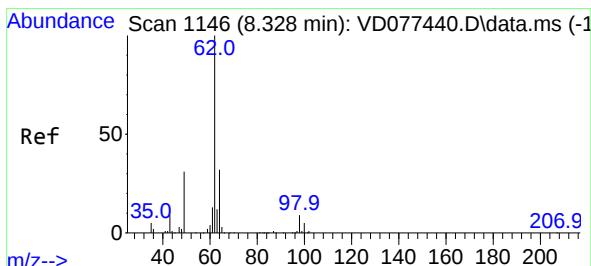
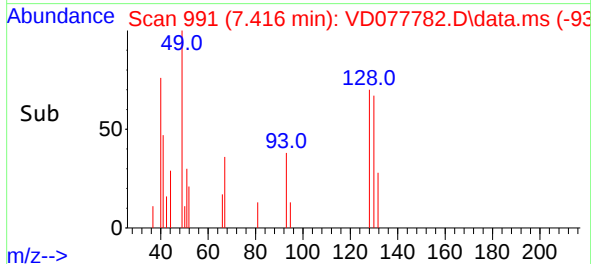
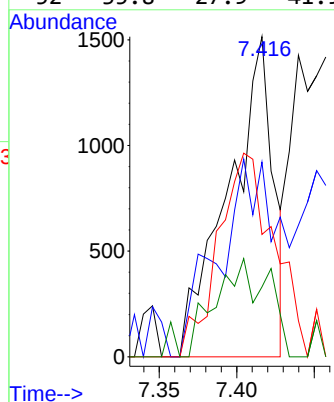


#41  
Methacrylonitrile  
Concen: 5.490 ug/l  
RT: 7.416 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

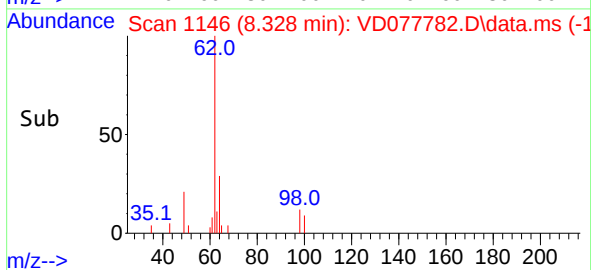
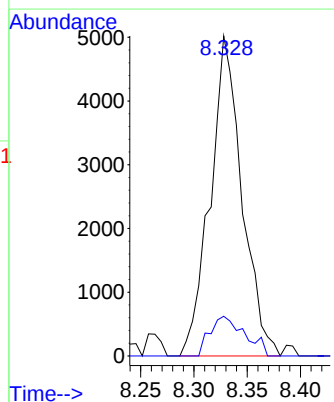
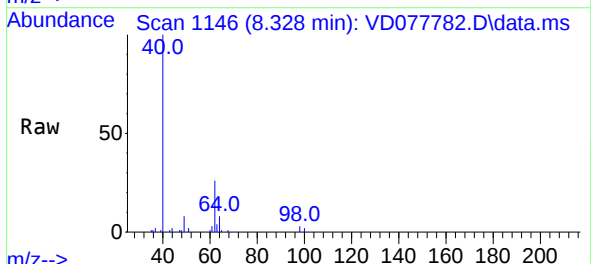


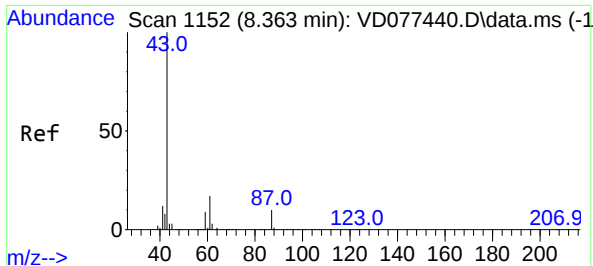
Tgt Ion: 41 Resp: 3051  
Ion Ratio Lower Upper  
41 100  
39 80.4 34.0 51.0#  
67 78.3 77.0 115.4  
52 35.8 27.9 41.9



#42  
1,2-Dichloroethane  
Concen: 5.159 ug/l  
RT: 8.328 min Scan# 1146  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 62 Resp: 10411  
Ion Ratio Lower Upper  
62 100  
98 13.5 0.0 25.4

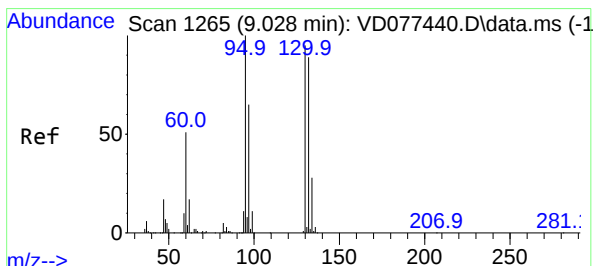
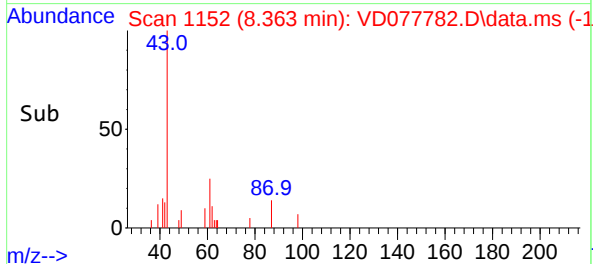
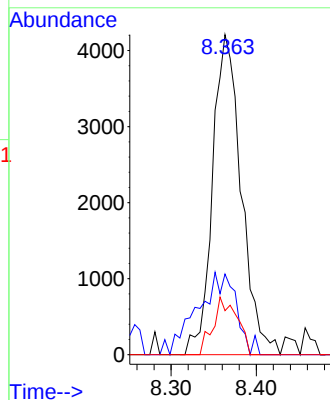
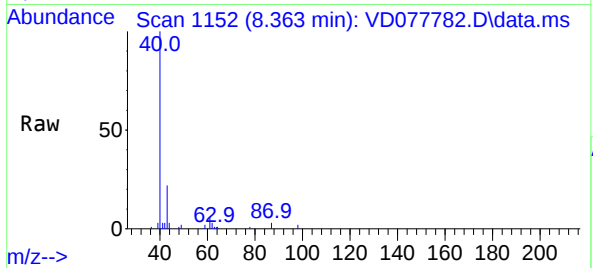




#43  
Isopropyl Acetate  
Concen: 5.184 ug/l  
RT: 8.363 min Scan# 1152  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

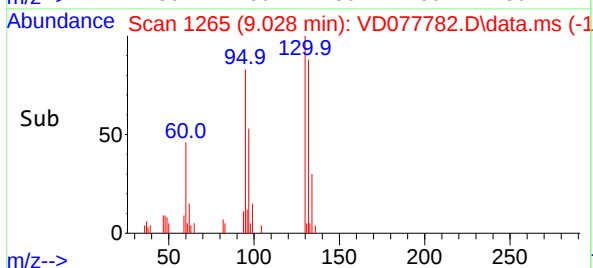
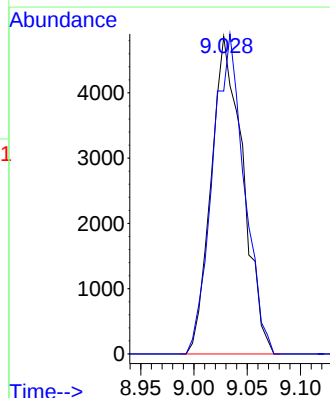
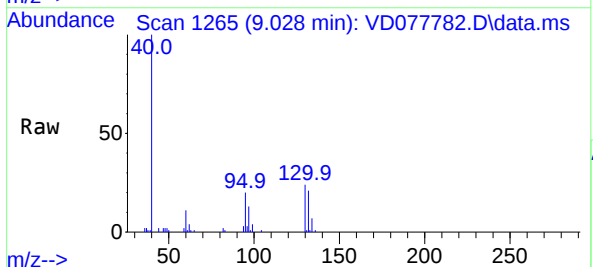
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

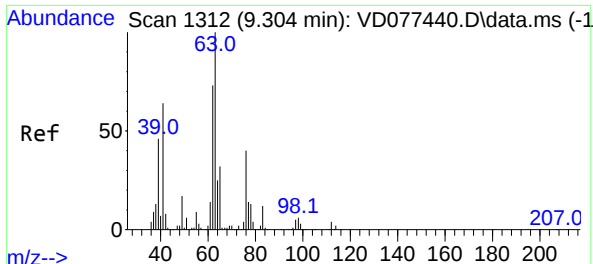
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 9866  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 35.1  | 31.4  | 47.0  |
| 87       | 15.0  | 14.9  | 22.3  |



#44  
Trichloroethene  
Concen: 4.971 ug/l  
RT: 9.028 min Scan# 1265  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 10086 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 82.8  | 0.0   | 179.2 |

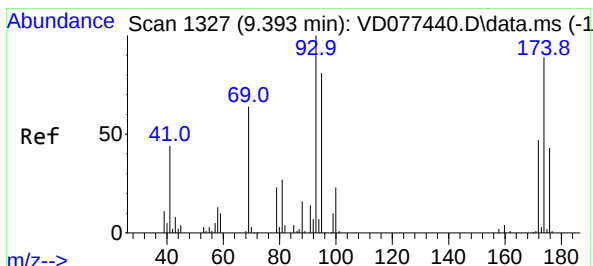
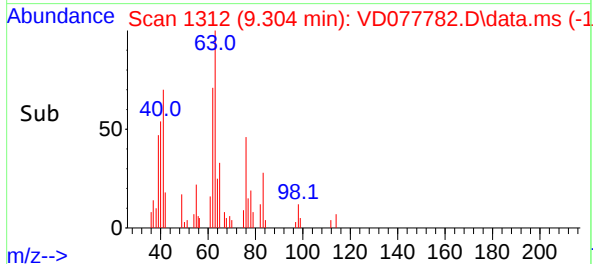
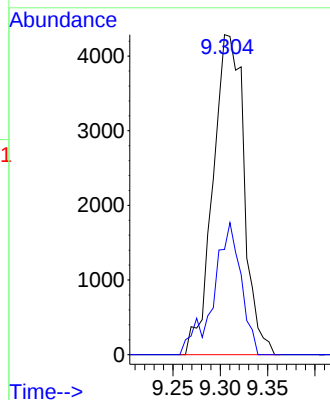
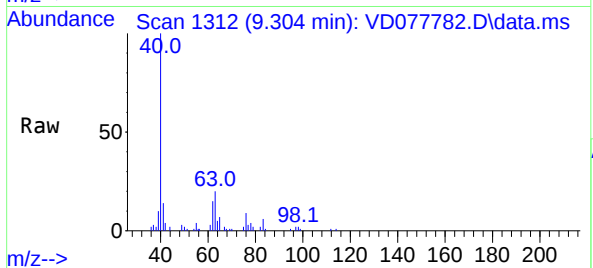




#45  
1,2-Dichloropropane  
Concen: 5.129 ug/l  
RT: 9.304 min Scan# 1312  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

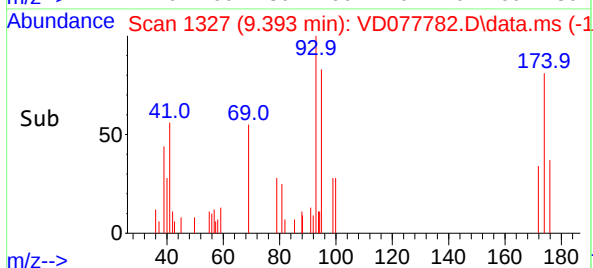
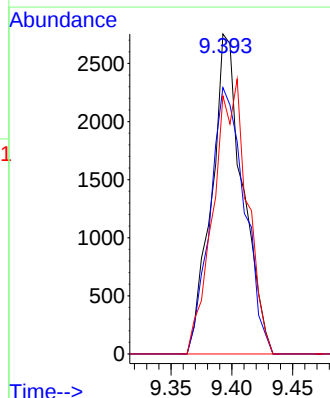
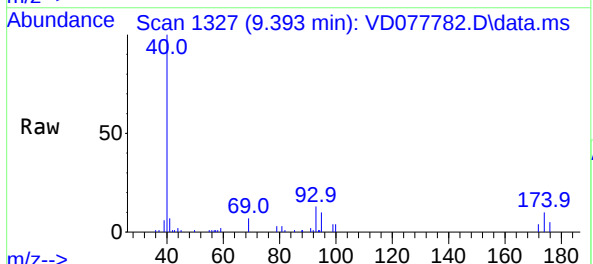
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

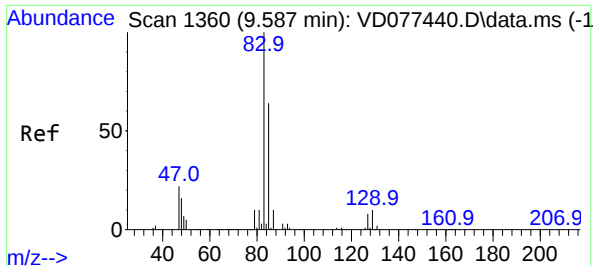
Tgt Ion: 63 Resp: 9772  
Ion Ratio Lower Upper  
63 100  
65 32.9 24.5 36.7



#46  
Dibromomethane  
Concen: 4.921 ug/l  
RT: 9.393 min Scan# 1327  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 93 Resp: 4925  
Ion Ratio Lower Upper  
93 100  
95 91.6 67.7 101.5  
174 92.7 85.4 128.2

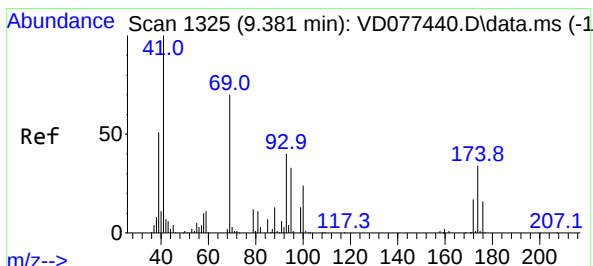
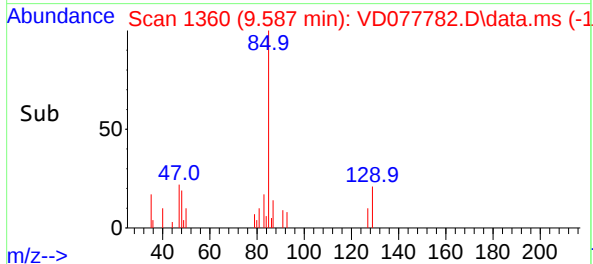
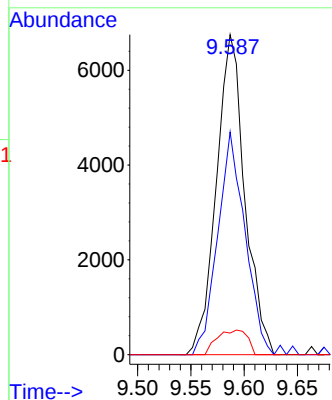
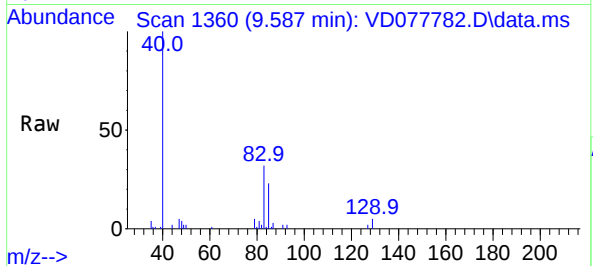




#47  
Bromodichloromethane  
Concen: 4.942 ug/l  
RT: 9.587 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

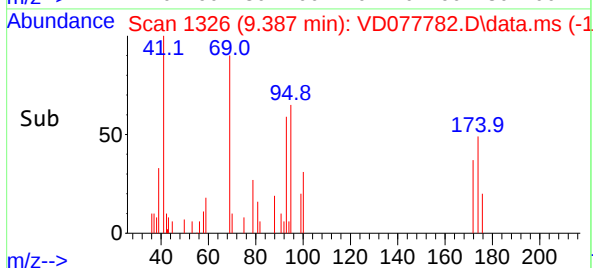
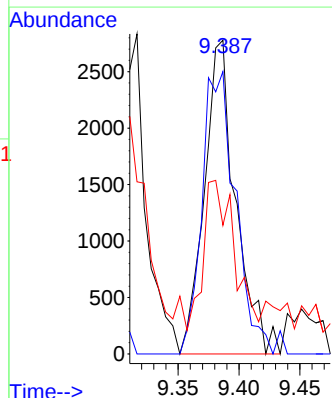
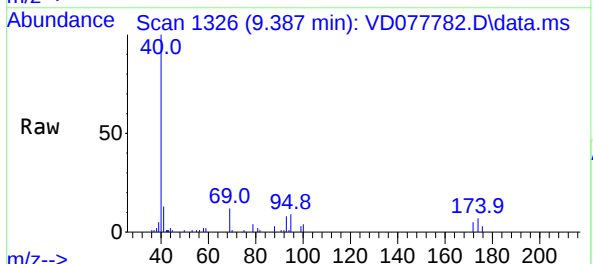
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

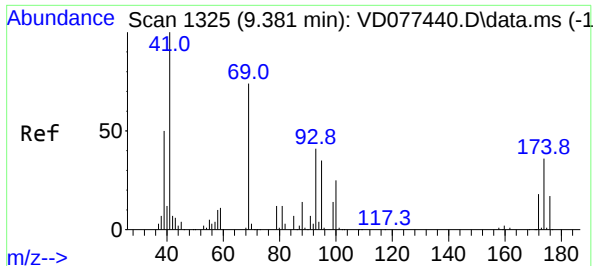
Tgt Ion: 83 Resp: 12557  
Ion Ratio Lower Upper  
83 100  
85 69.6 50.2 75.4  
127 6.7 6.3 9.5



#48  
Methyl methacrylate  
Concen: 4.591 ug/l  
RT: 9.387 min Scan# 1326  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 41 Resp: 4988  
Ion Ratio Lower Upper  
41 100  
69 95.8 102.2 153.2#  
39 46.1 41.4 62.2

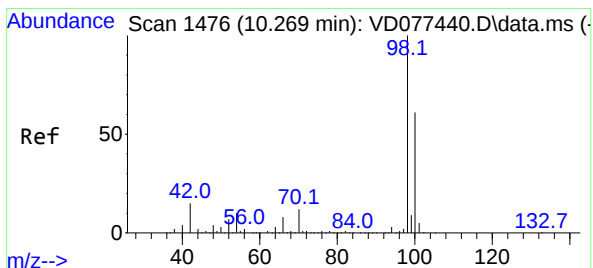
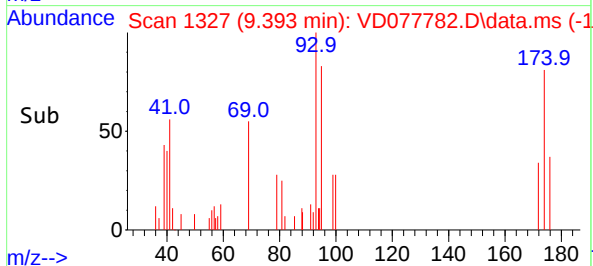
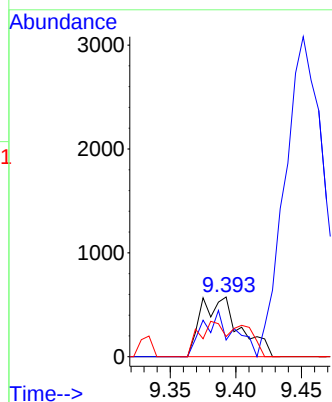
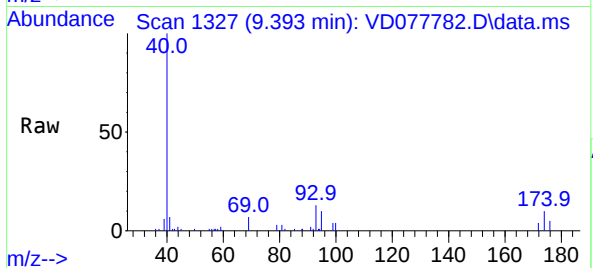




#49  
1,4-Dioxane  
Concen: 117.544 ug/l  
RT: 9.393 min Scan# 1179  
Delta R.T. 0.012 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

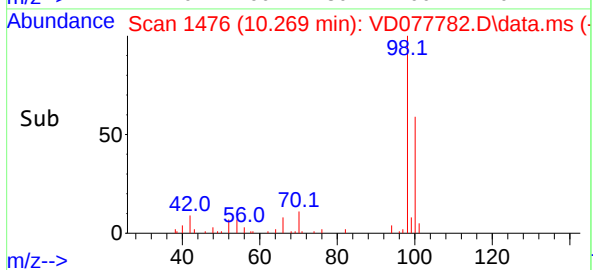
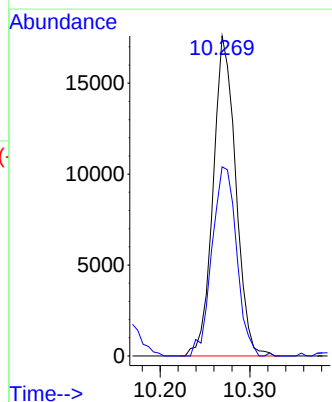
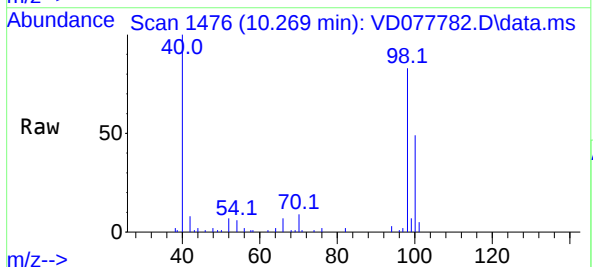
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

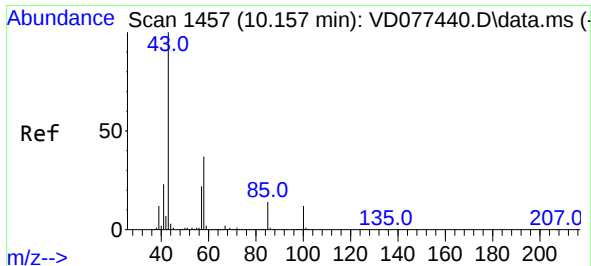
Tgt Ion: 88 Resp: 1179  
Ion Ratio Lower Upper  
88 100  
43 60.6 19.0 28.6#  
58 38.6 43.5 65.3#



#50  
Toluene-d8  
Concen: 4.473 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 98 Resp: 30743  
Ion Ratio Lower Upper  
98 100  
100 64.3 50.3 75.5

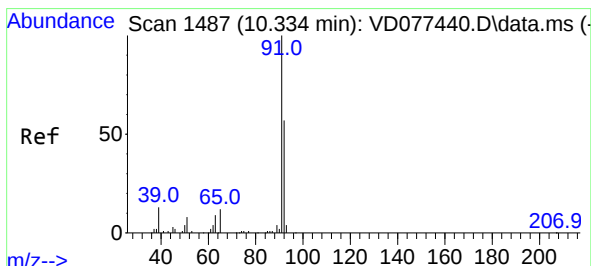
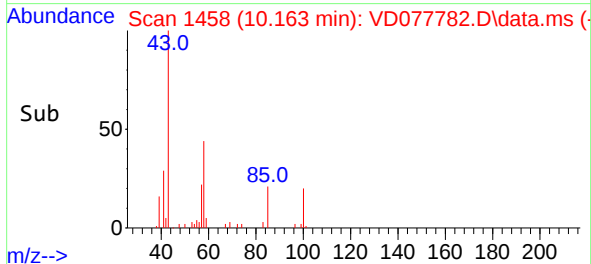
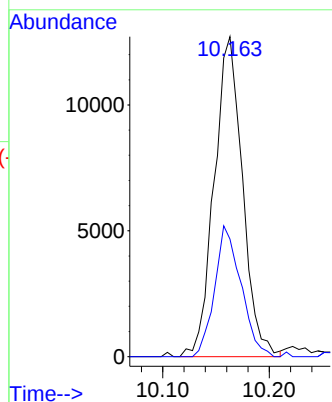
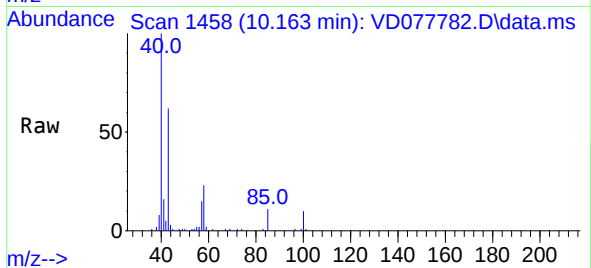




#51  
4-Methyl-2-Pentanone  
Concen: 24.121 ug/l  
RT: 10.163 min Scan# 1458  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

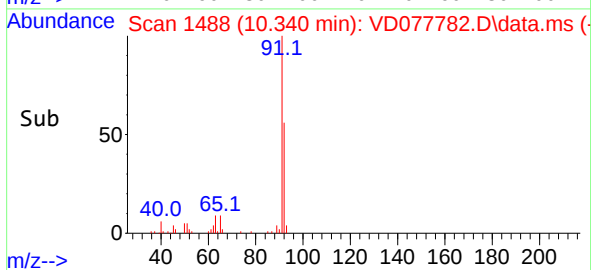
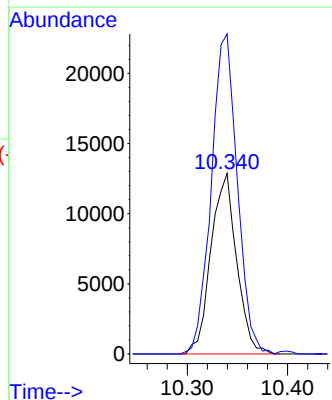
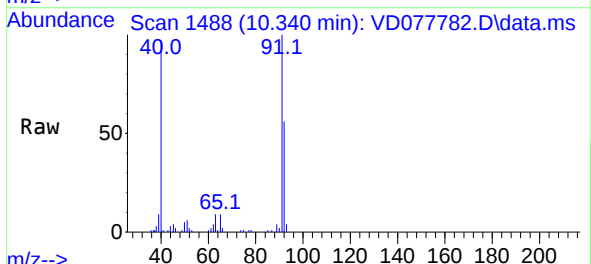
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

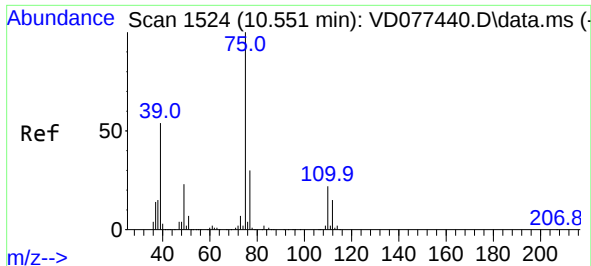
Tgt Ion: 43 Resp: 23501  
Ion Ratio Lower Upper  
43 100  
58 38.0 38.9 58.3#



#52  
Toluene  
Concen: 4.735 ug/l  
RT: 10.340 min Scan# 1488  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 92 Resp: 22841  
Ion Ratio Lower Upper  
92 100  
91 179.6 143.0 214.4

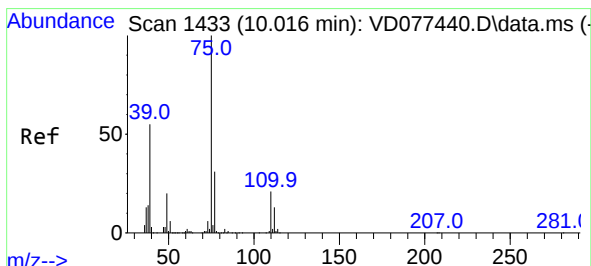
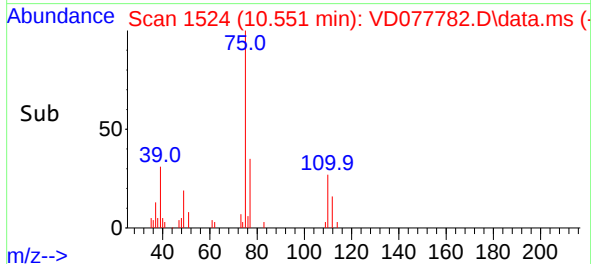
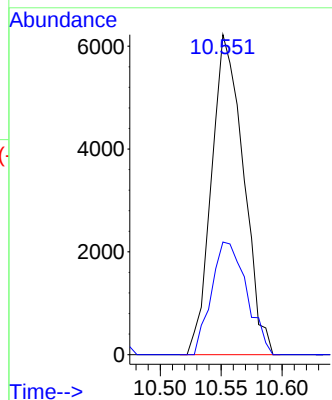
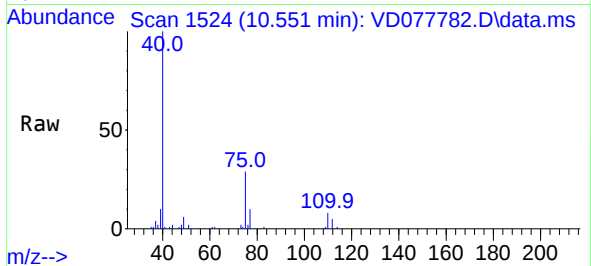




#53  
t-1,3-Dichloropropene  
Concen: 4.655 ug/l  
RT: 10.551 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

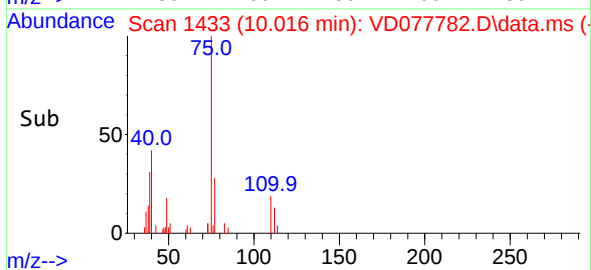
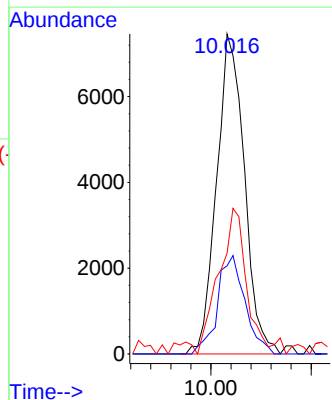
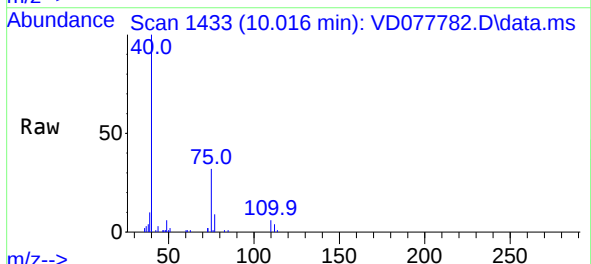
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

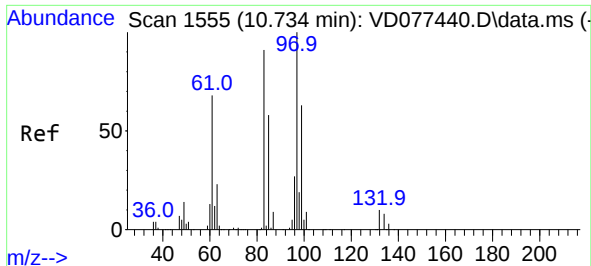
Tgt Ion: 75 Resp: 11348  
Ion Ratio Lower Upper  
75 100  
77 35.2 25.3 37.9



#54  
cis-1,3-Dichloropropene  
Concen: 4.854 ug/l  
RT: 10.016 min Scan# 1433  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 75 Resp: 14317  
Ion Ratio Lower Upper  
75 100  
77 27.6 25.5 38.3  
39 28.7 22.1 33.1



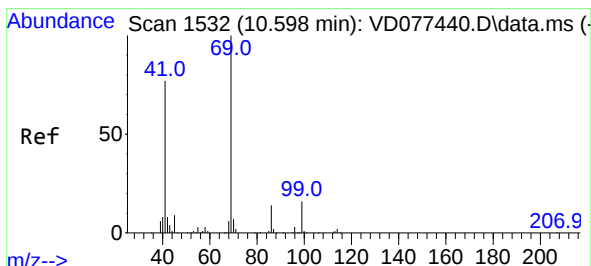
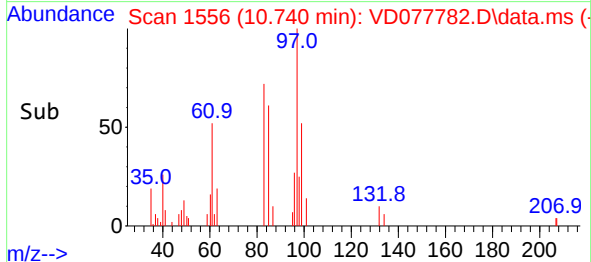
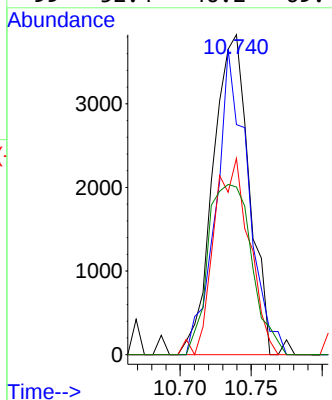
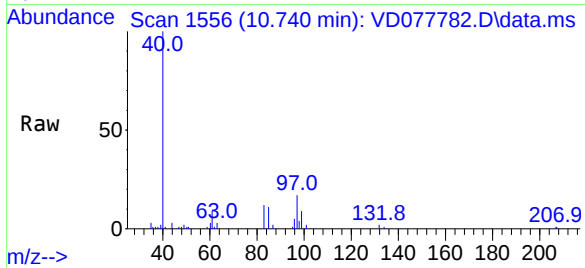


#55  
1,1,2-Trichloroethane  
Concen: 4.910 ug/l  
RT: 10.740 min Scan# 1555  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

Tgt Ion: 97 Resp: 6764

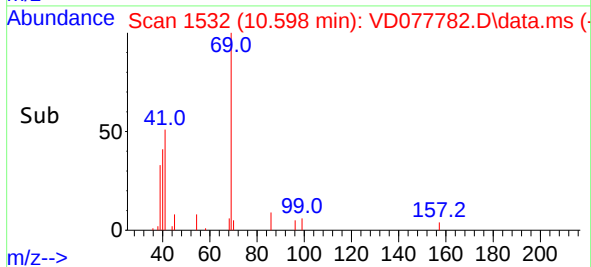
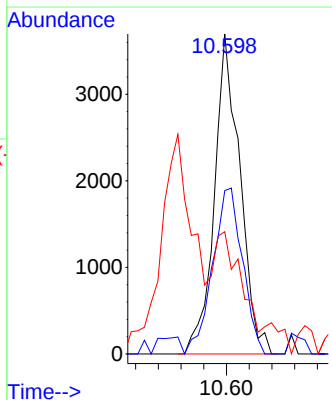
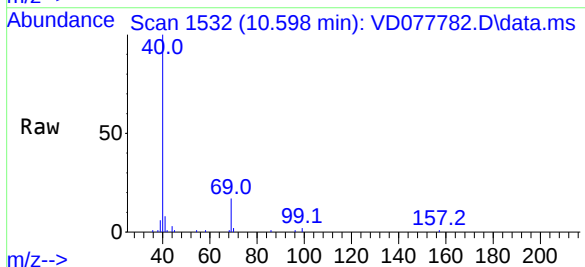
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 71.9  | 65.8  | 98.6  |
| 85  | 61.3  | 45.7  | 68.5  |
| 99  | 52.4  | 46.2  | 69.4  |

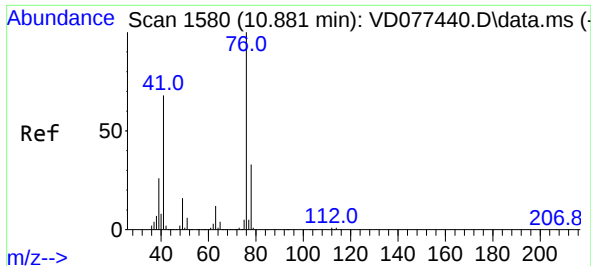


#56  
Ethyl methacrylate  
Concen: 4.766 ug/l  
RT: 10.598 min Scan# 1532  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 69 Resp: 5777

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 60.4  | 39.1  | 58.7# |
| 39  | 37.1  | 20.0  | 30.0# |





#57

1,3-Dichloropropane

Concen: 4.789 ug/l

RT: 10.881 min Scan# 11329

Delta R.T. -0.000 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

Instrument :

MSVOA\_D

ClientSampleId :

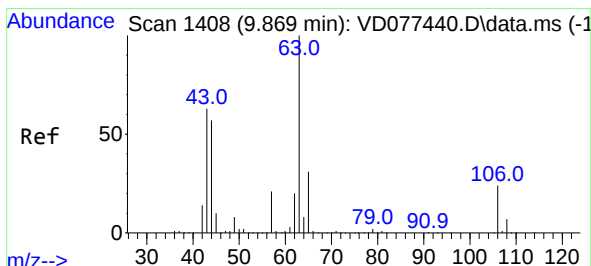
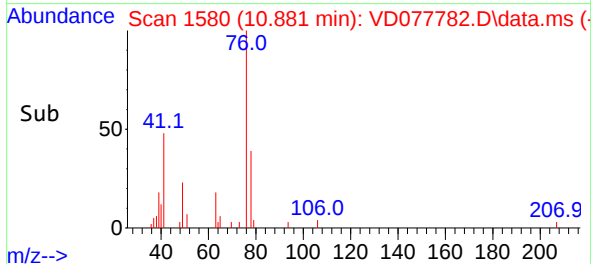
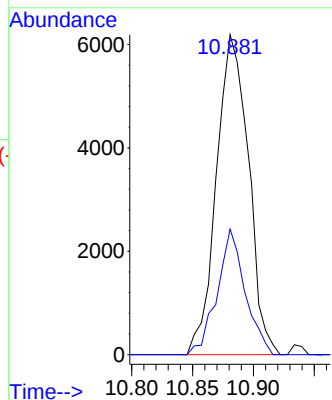
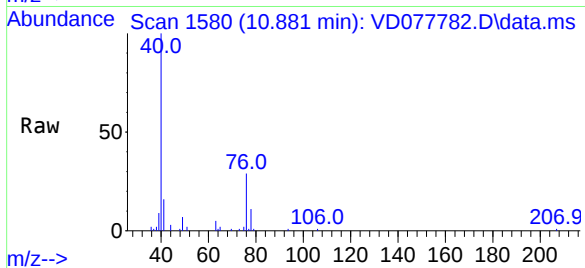
VSTDIC005

Tgt Ion: 76 Resp: 11329

Ion Ratio Lower Upper

76 100

78 34.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 22.072 ug/l

RT: 9.875 min Scan# 1409

Delta R.T. 0.006 min

Lab File: VD077782.D

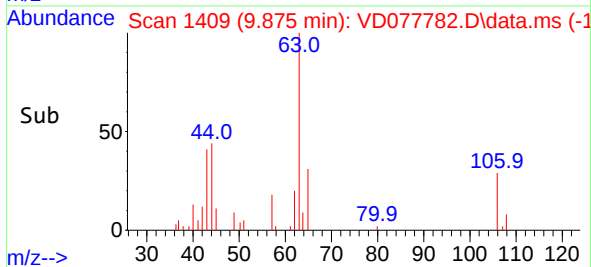
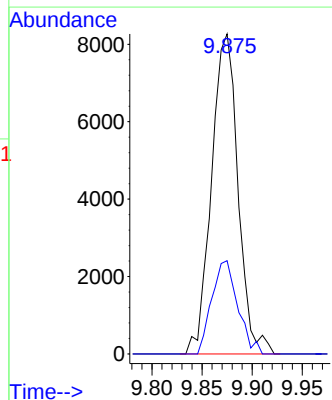
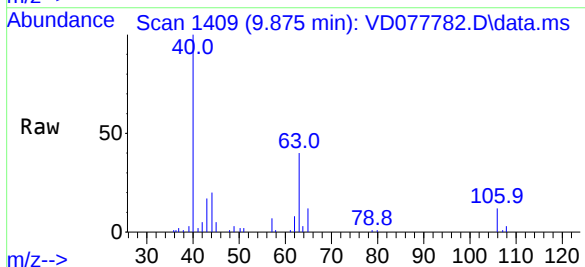
Acq: 08 Dec 2023 09:15

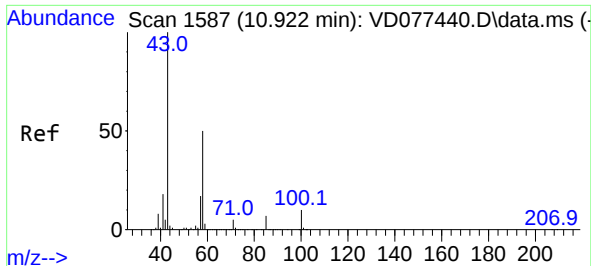
Tgt Ion: 63 Resp: 15178

Ion Ratio Lower Upper

63 100

106 28.5 25.3 37.9

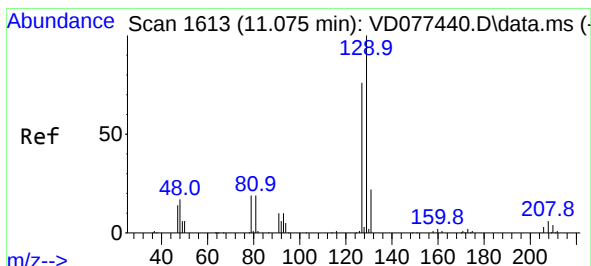
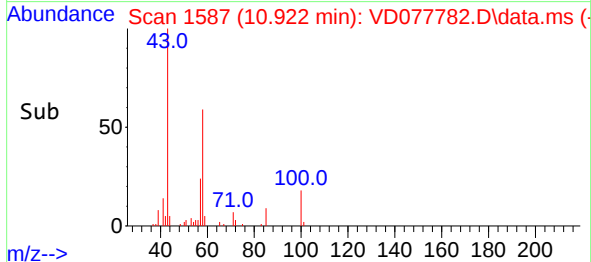
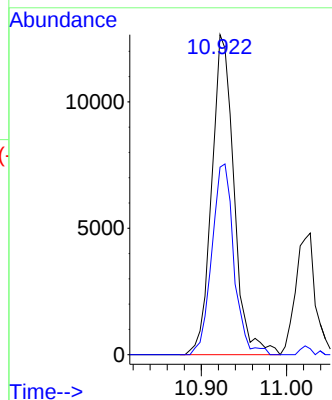
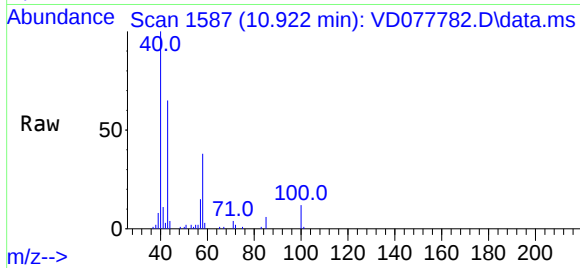




#59  
2-Hexanone  
Concen: 16.785 ug/l  
RT: 10.922 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

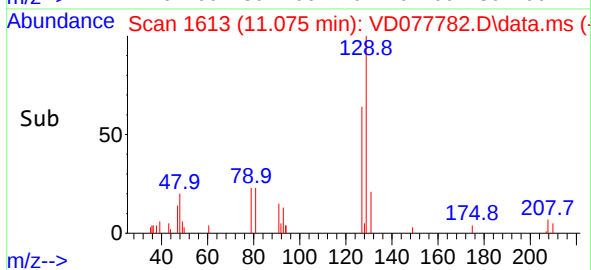
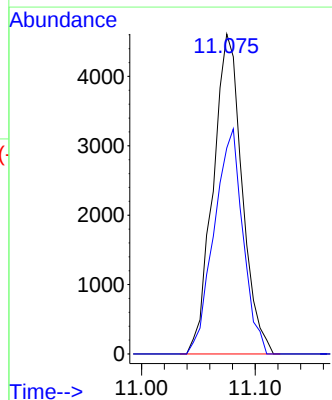
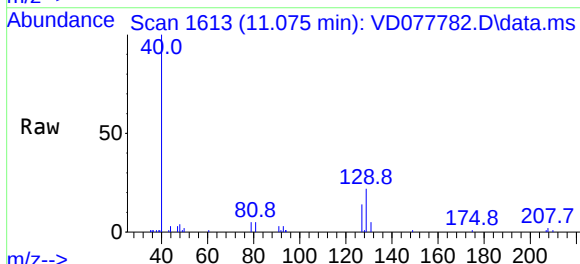
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

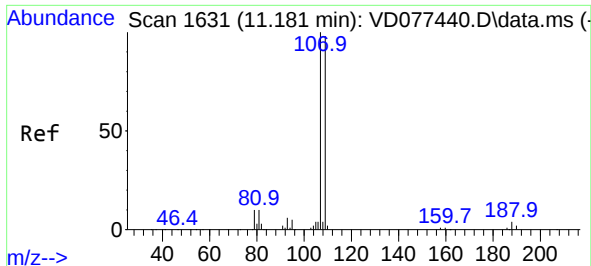
Tgt Ion: 43 Resp: 22917  
Ion Ratio Lower Upper  
43 100  
58 59.2 34.1 102.2



#60  
Dibromochloromethane  
Concen: 4.923 ug/l  
RT: 11.075 min Scan# 1613  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 129 Resp: 8195  
Ion Ratio Lower Upper  
129 100  
127 69.8 37.1 111.5

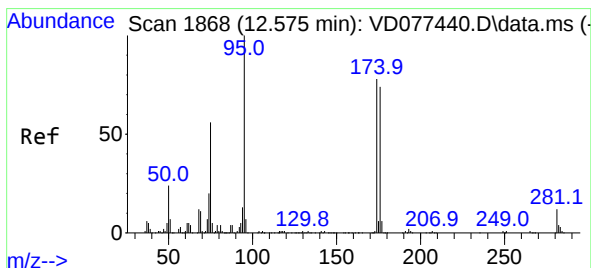
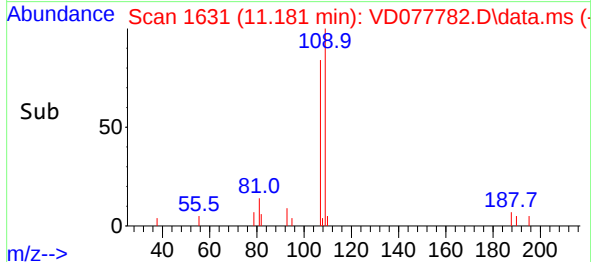
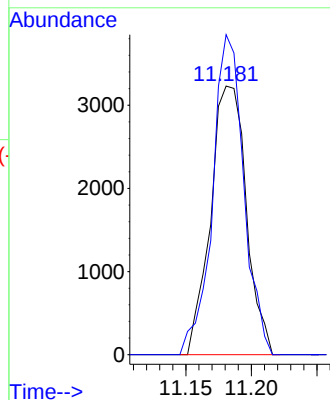
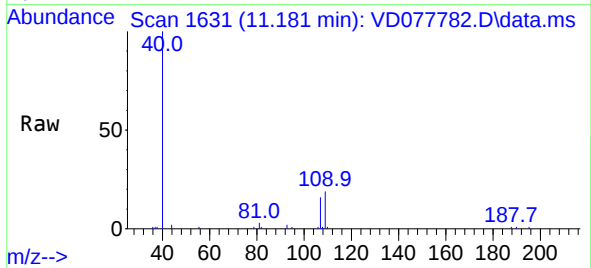




#61  
1,2-Dibromoethane  
Concen: 4.697 ug/l  
RT: 11.181 min Scan# 1631  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

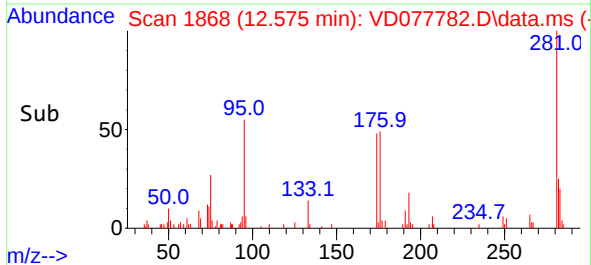
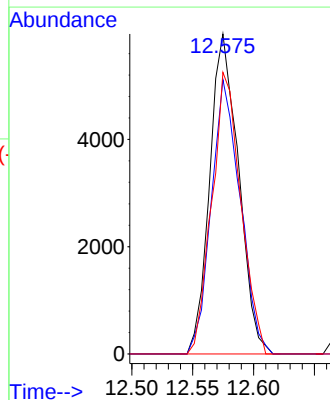
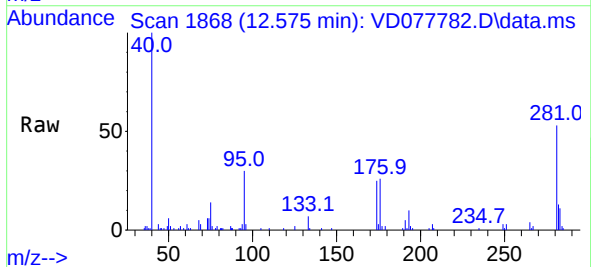
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

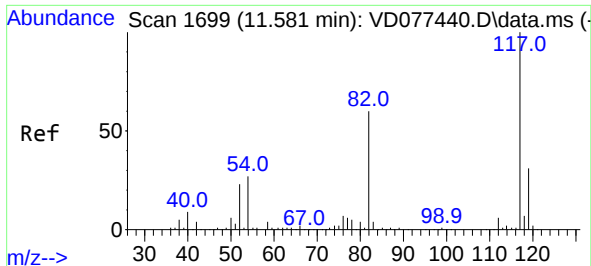
Tgt Ion:107 Resp: 6119  
Ion Ratio Lower Upper  
107 100  
109 104.0 75.6 113.4



#62  
4-Bromofluorobenzene  
Concen: 4.796 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 95 Resp: 9828  
Ion Ratio Lower Upper  
95 100  
174 86.2 0.0 201.8  
176 88.4 0.0 191.8

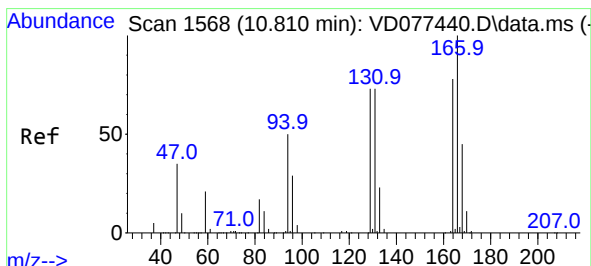
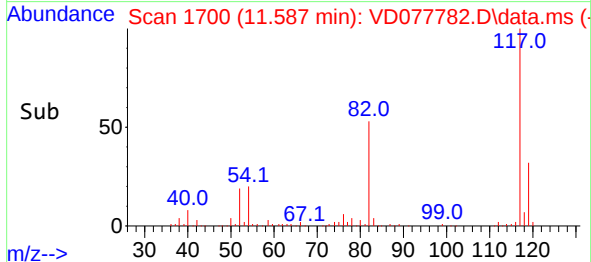
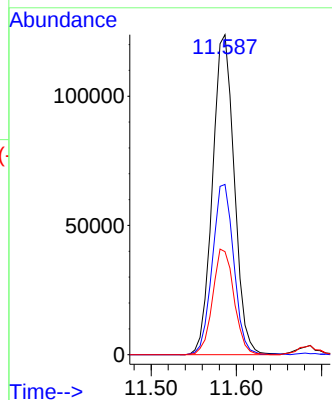
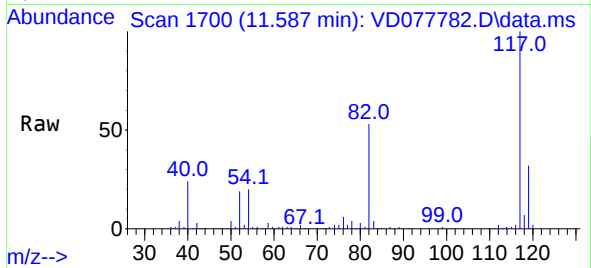




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.587 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

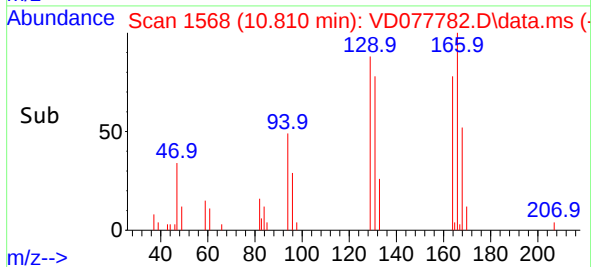
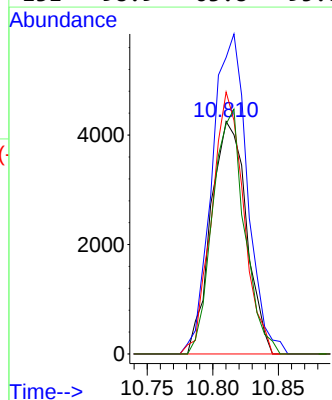
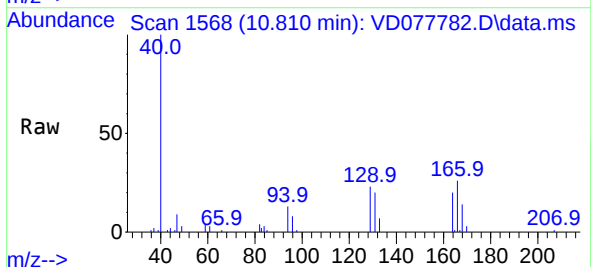
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

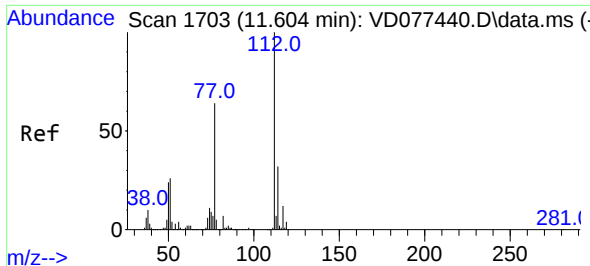
Tgt Ion:117 Resp: 220041  
Ion Ratio Lower Upper  
117 100  
82 53.2 38.3 57.5  
119 32.2 25.0 37.4



#64  
Tetrachloroethene  
Concen: 4.907 ug/l  
RT: 10.810 min Scan# 1568  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion:164 Resp: 8015  
Ion Ratio Lower Upper  
164 100  
166 127.5 99.2 148.8  
129 112.6 68.4 102.6#  
131 98.9 63.8 95.8#

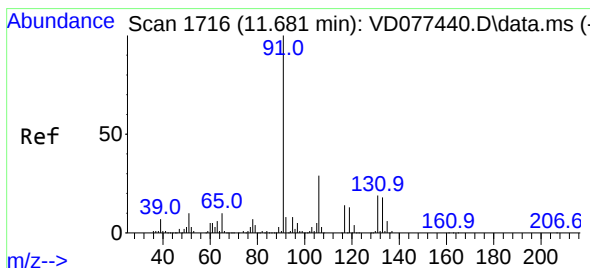
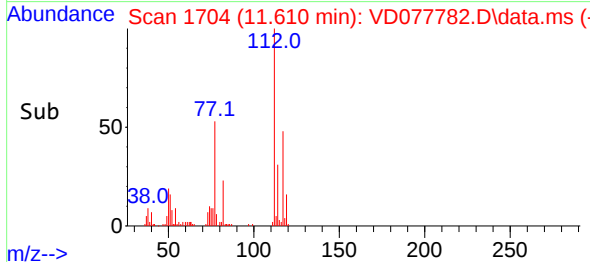
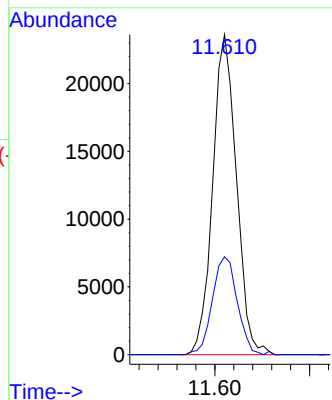
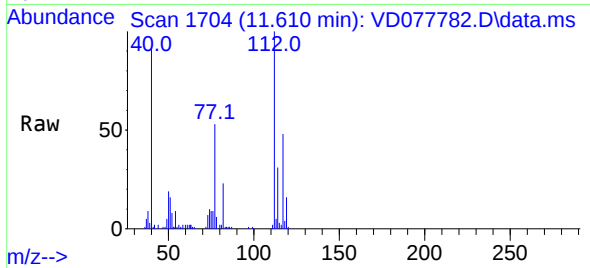




#65  
Chlorobenzene  
Concen: 5.812 ug/l  
RT: 11.610 min Scan# 1704  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

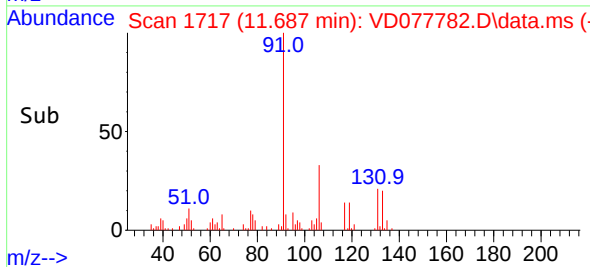
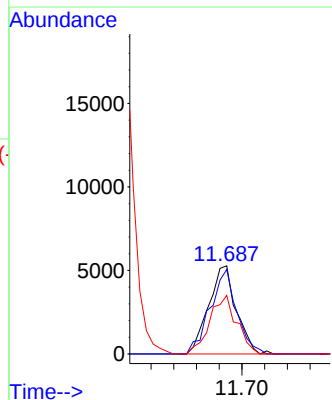
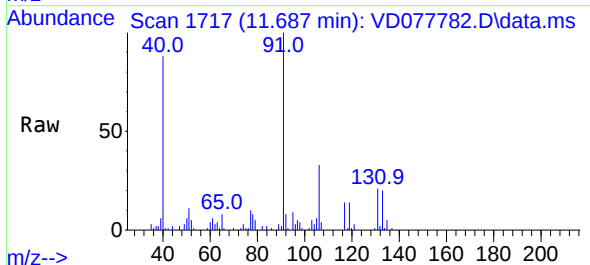
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

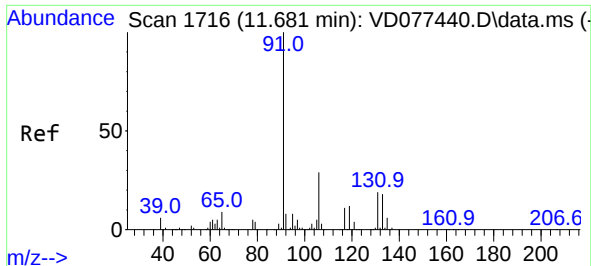
Tgt Ion:112 Resp: 41083  
Ion Ratio Lower Upper  
112 100  
114 30.6 25.1 37.7



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.802 ug/l  
RT: 11.687 min Scan# 1717  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion:131 Resp: 8901  
Ion Ratio Lower Upper  
131 100  
133 92.6 48.5 145.5  
119 64.9 35.6 106.9





#67

Ethyl Benzene

Concen: 4.694 ug/l

RT: 11.687 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

Instrument :

MSVOA\_D

ClientSampleId :

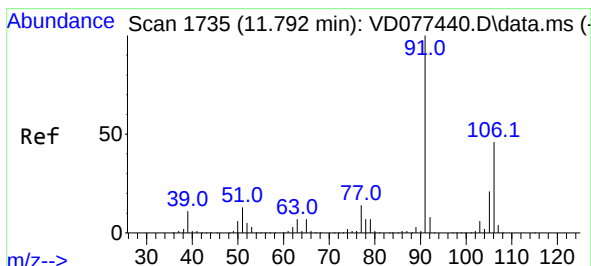
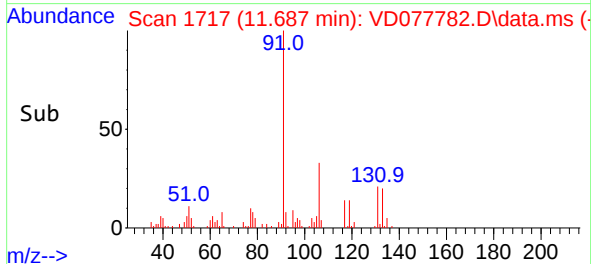
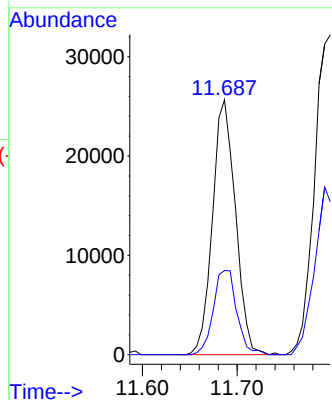
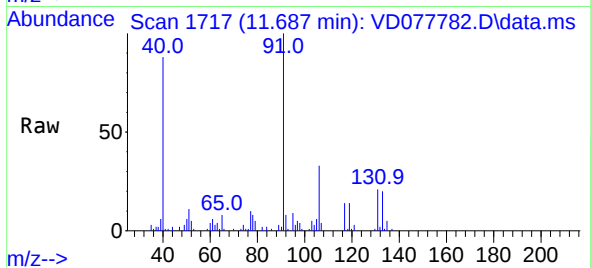
VSTDIC005

Tgt Ion: 91 Resp: 43283

Ion Ratio Lower Upper

91 100

106 33.0 26.5 39.7



#68

m/p-Xylenes

Concen: 8.962 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD077782.D

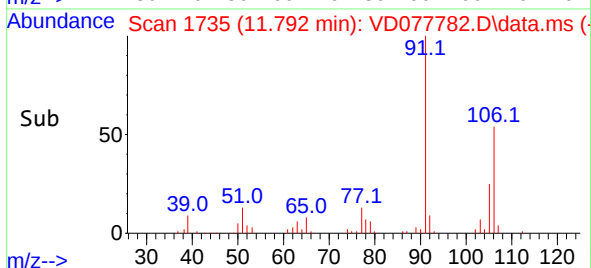
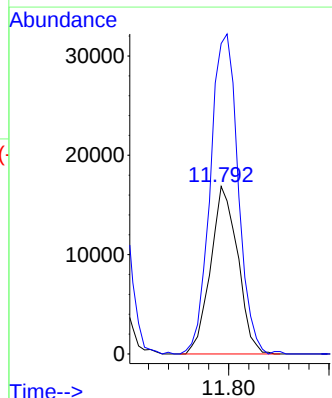
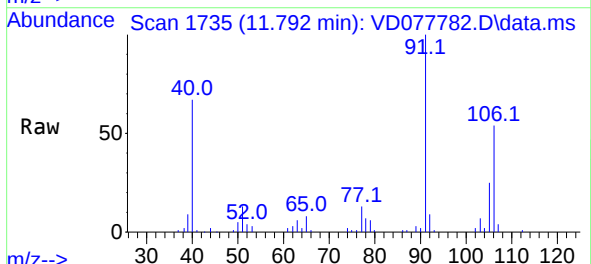
Acq: 08 Dec 2023 09:15

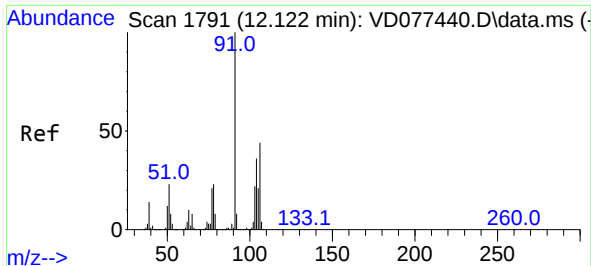
Tgt Ion:106 Resp: 31710

Ion Ratio Lower Upper

106 100

91 196.0 147.0 220.6

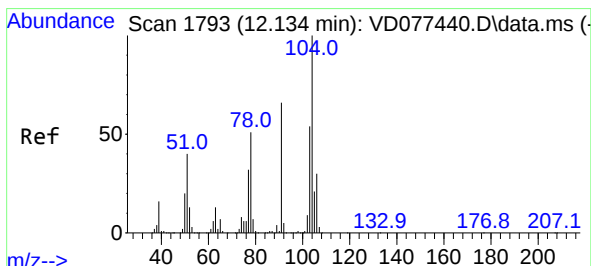
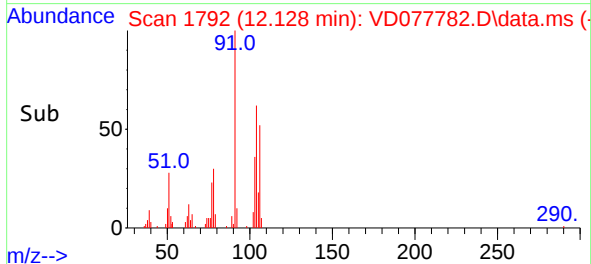
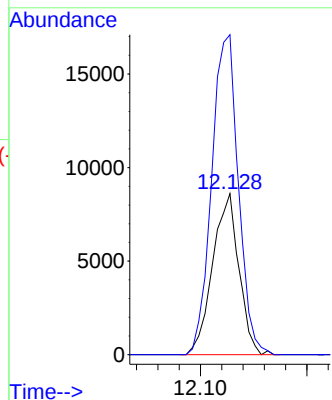
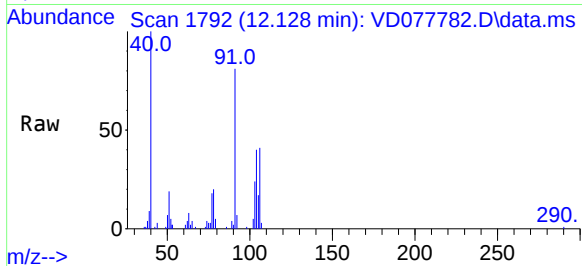




#69  
o-Xylene  
Concen: 4.508 ug/l  
RT: 12.128 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

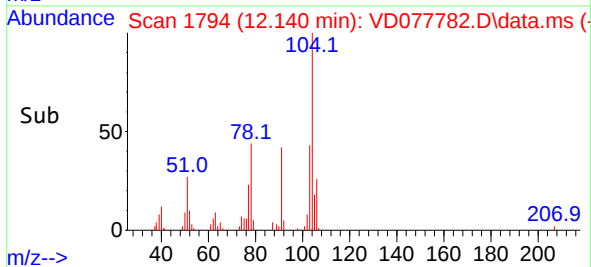
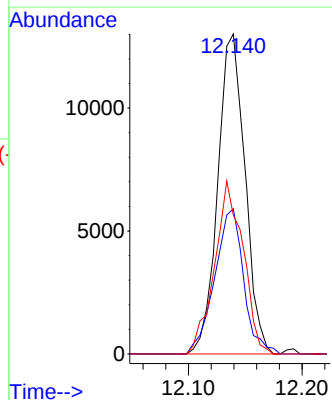
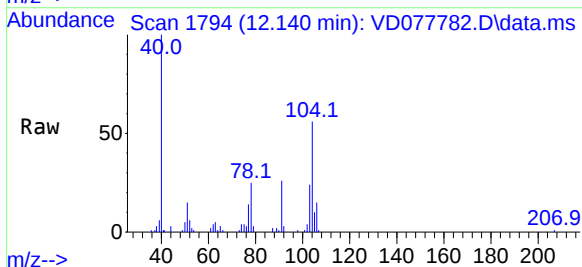
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

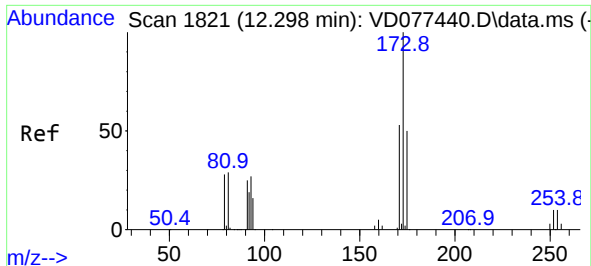
Tgt Ion:106 Resp: 14713  
Ion Ratio Lower Upper  
106 100  
91 202.2 97.9 293.6



#70  
Styrene  
Concen: 4.484 ug/l  
RT: 12.140 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion:104 Resp: 21696  
Ion Ratio Lower Upper  
104 100  
78 48.1 33.2 49.8  
103 56.6 43.6 65.4

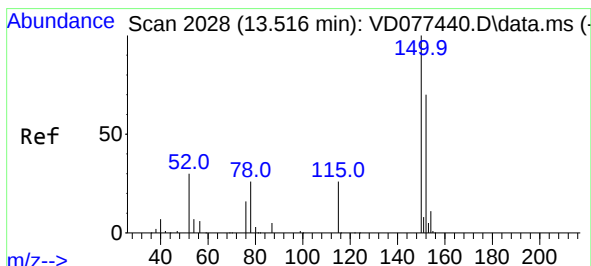
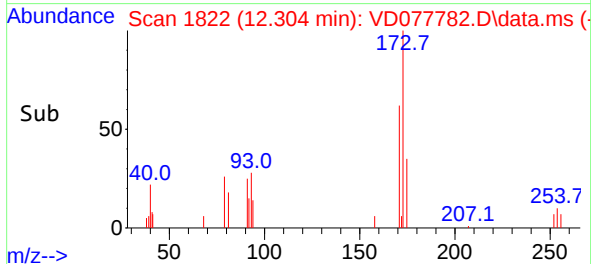
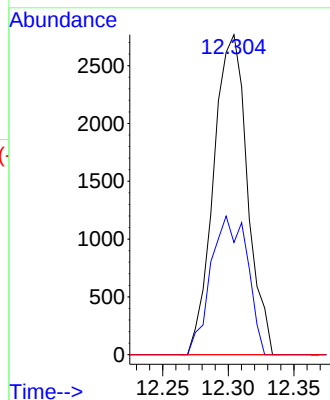
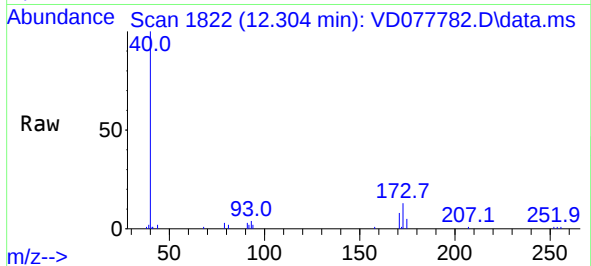




#71  
Bromoform  
Concen: 5.141 ug/l  
RT: 12.304 min Scan# 1821  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

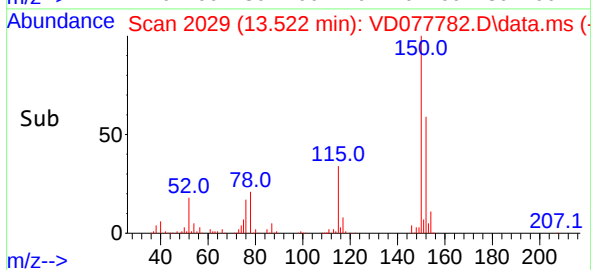
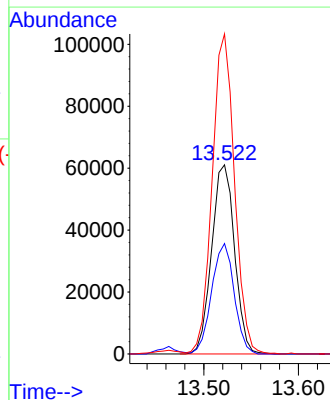
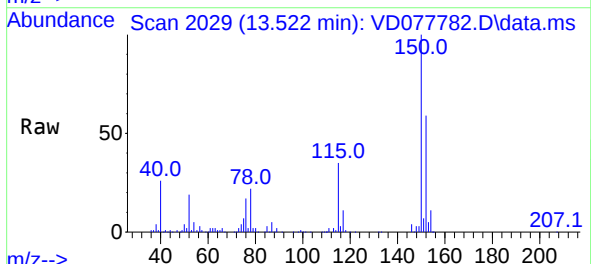
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

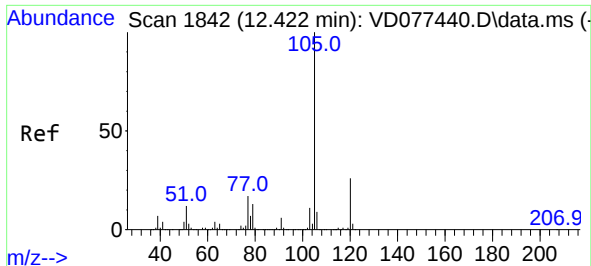
Tgt Ion:173 Resp: 4965  
Ion Ratio Lower Upper  
173 100  
175 46.7 24.6 73.8  
254 0.0 0.0 0.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.522 min Scan# 2029  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion:152 Resp: 102728  
Ion Ratio Lower Upper  
152 100  
115 57.4 27.1 81.3  
150 164.7 0.0 353.6

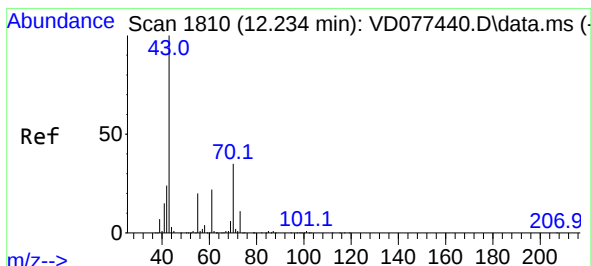
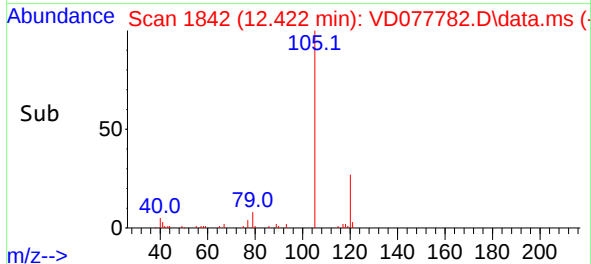
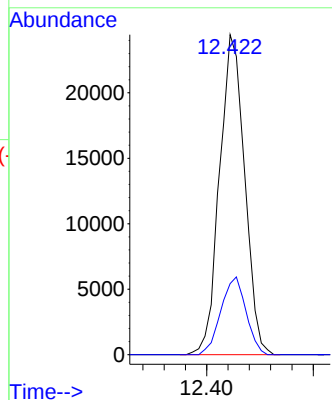
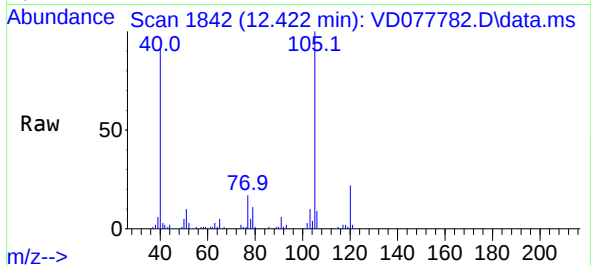




#73  
Isopropylbenzene  
Concen: 5.096 ug/l  
RT: 12.422 min Scan# 1842  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

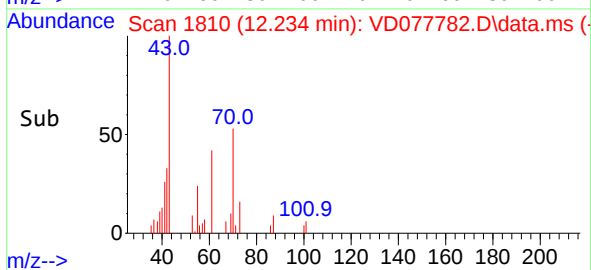
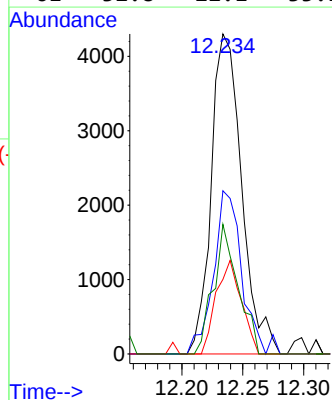
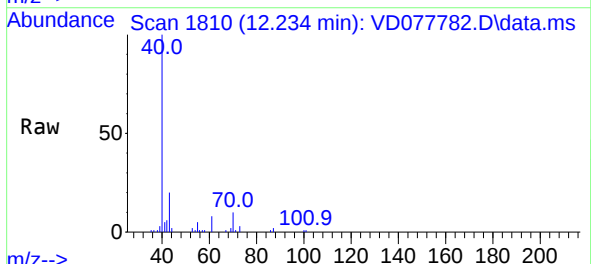
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

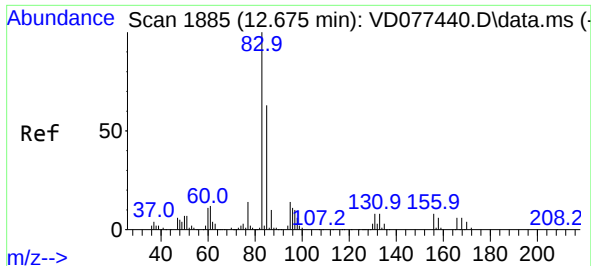
Tgt Ion:105 Resp: 39969  
Ion Ratio Lower Upper  
105 100  
120 24.3 14.3 42.9



#74  
N-ethyl acetate  
Concen: 4.832 ug/l  
RT: 12.234 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 43 Resp: 7474  
Ion Ratio Lower Upper  
43 100  
70 47.8 45.0 67.4  
55 24.2 23.8 35.6  
61 32.8 22.1 33.1

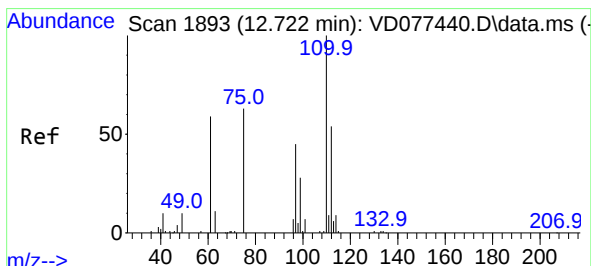
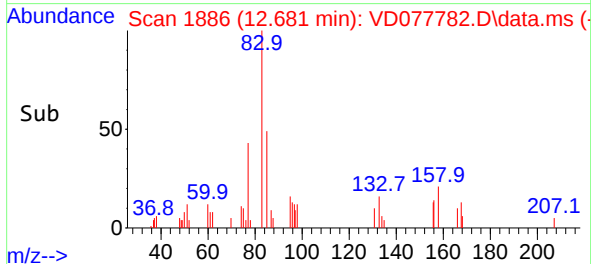
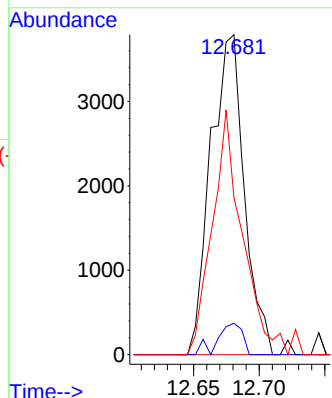
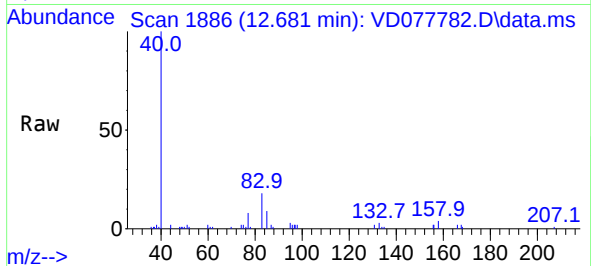




#75  
1,1,2,2-Tetrachloroethane  
Concen: 4.893 ug/l  
RT: 12.681 min Scan# 1886  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

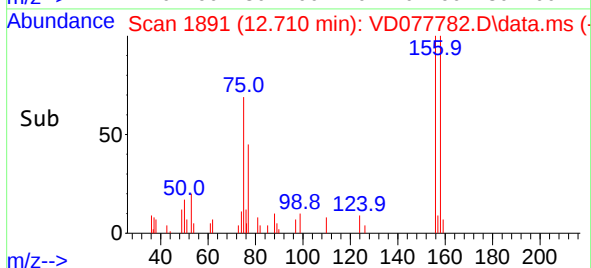
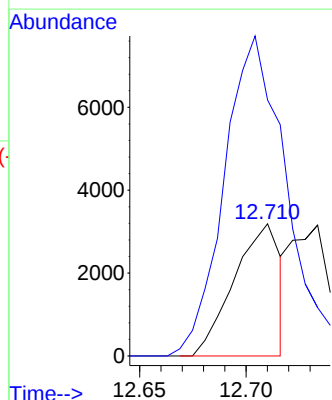
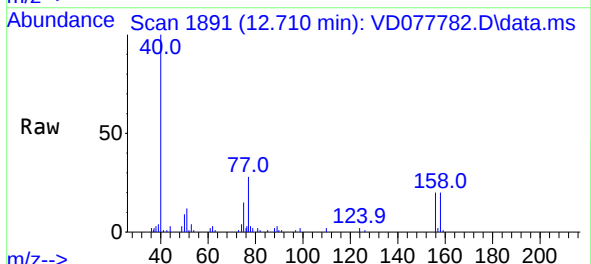
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

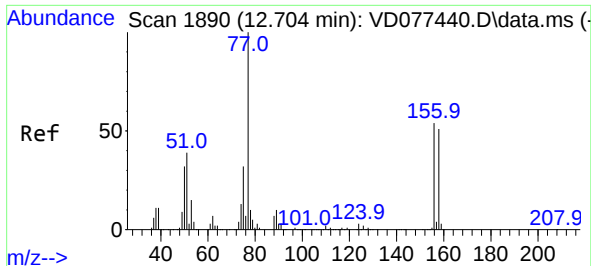
Tgt Ion: 83 Resp: 6741  
Ion Ratio Lower Upper  
83 100  
131 7.2 5.1 15.3  
85 68.3 32.6 97.8



#76  
1,2,3-Trichloropropane  
Concen: 5.450 ug/l  
RT: 12.710 min Scan# 1891  
Delta R.T. -0.012 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 75 Resp: 4834  
Ion Ratio Lower Upper  
75 100  
77 325.0 0.0 0.0#

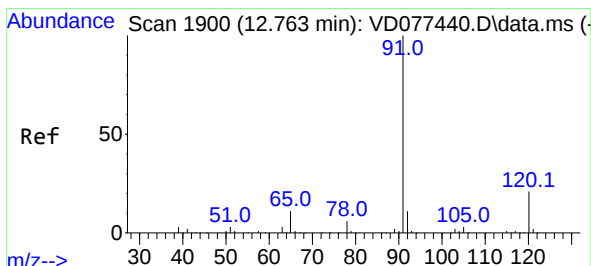
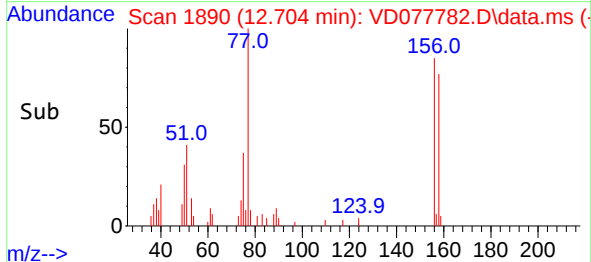
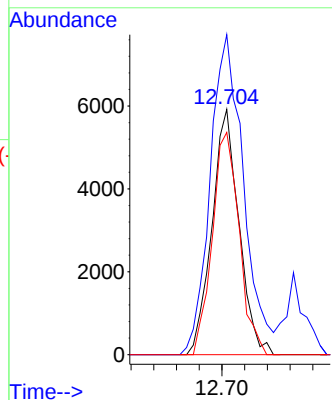
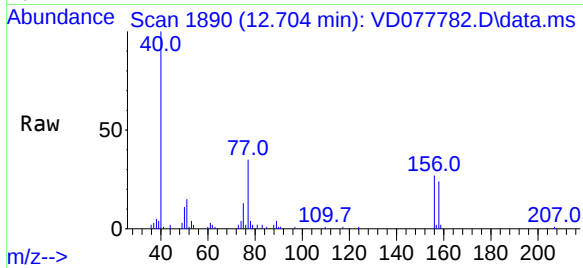




#77  
Bromobenzene  
Concen: 5.297 ug/l  
RT: 12.704 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

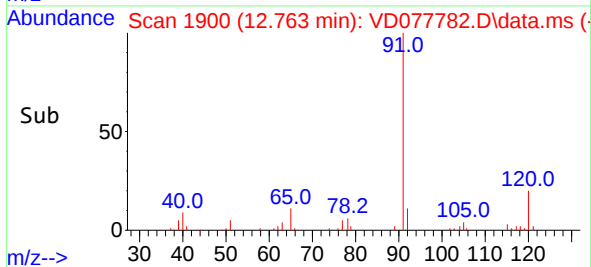
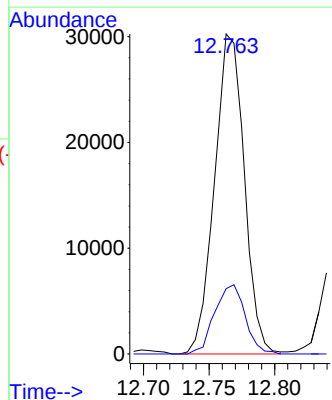
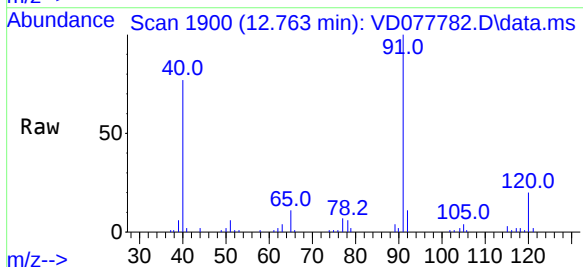
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

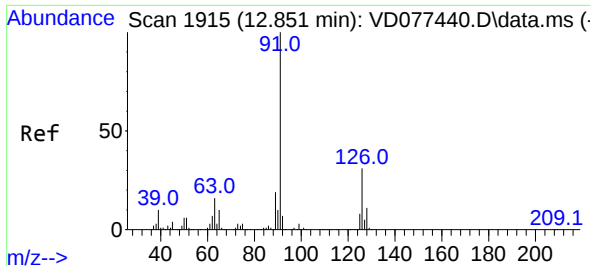
Tgt Ion:156 Resp: 9779  
Ion Ratio Lower Upper  
156 100  
77 160.7 76.8 230.4  
158 90.1 48.6 145.9



#78  
n-propylbenzene  
Concen: 5.026 ug/l  
RT: 12.763 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 91 Resp: 47706  
Ion Ratio Lower Upper  
91 100  
120 22.2 12.4 37.2

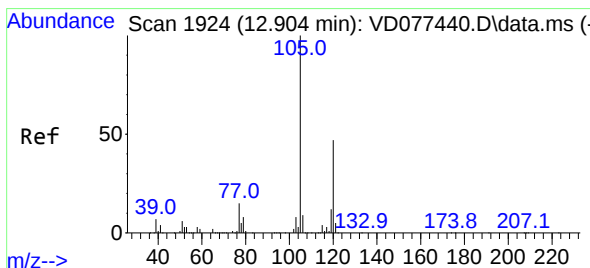
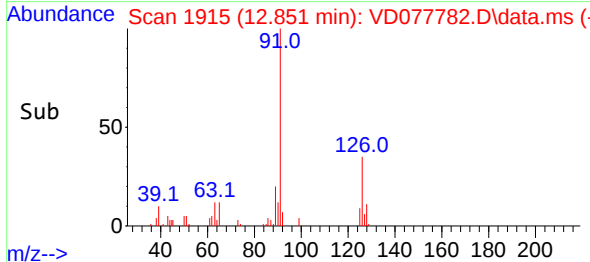
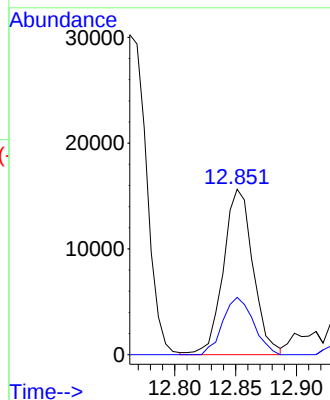
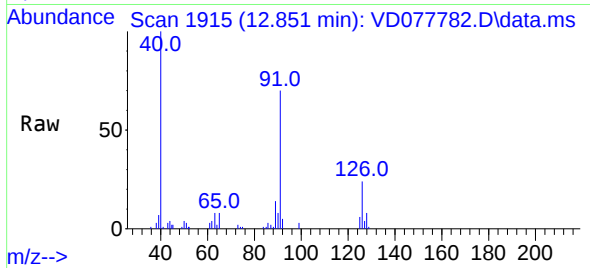




#79  
2-Chlorotoluene  
Concen: 5.208 ug/l  
RT: 12.851 min Scan# 1915  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

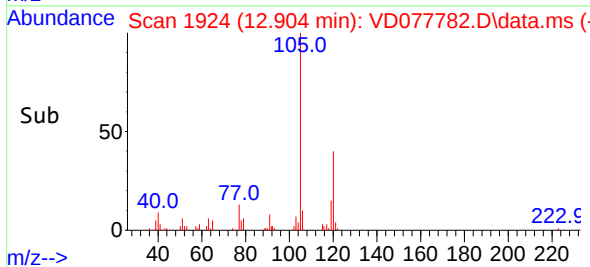
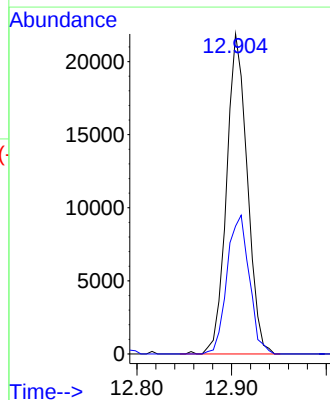
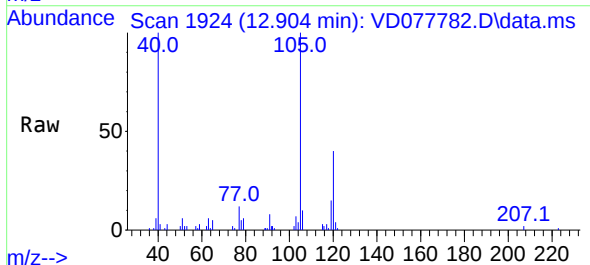
Instrument : MSVOA\_D  
ClientSampleId : VSTDIC005

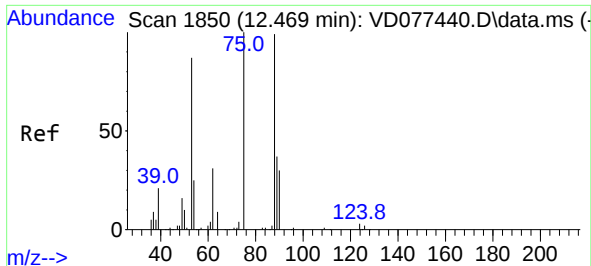
Tgt Ion: 91 Resp: 26572  
Ion Ratio Lower Upper  
91 100  
126 35.7 19.4 58.1



#80  
1,3,5-Trimethylbenzene  
Concen: 5.087 ug/l  
RT: 12.904 min Scan# 1924  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 105 Resp: 33304  
Ion Ratio Lower Upper  
105 100  
120 46.5 26.4 79.2

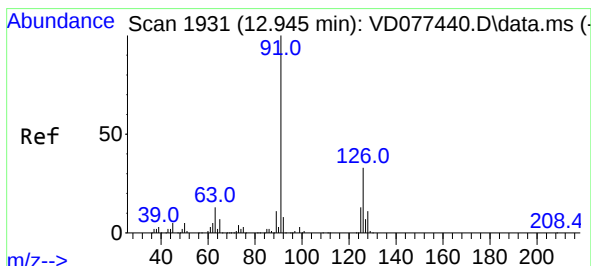
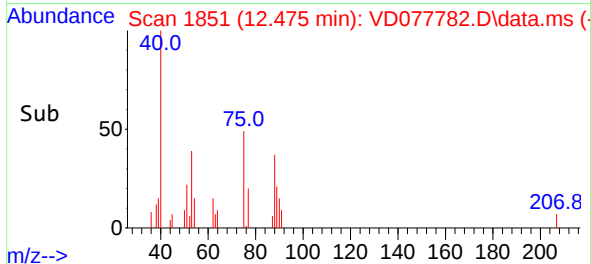
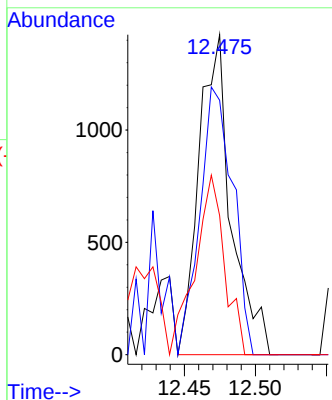
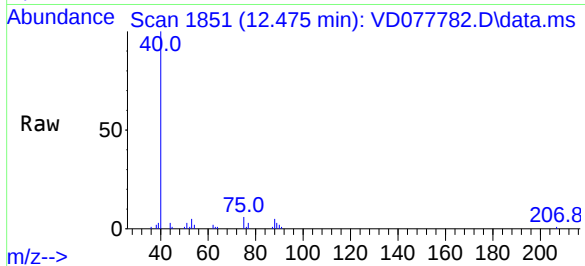




#81  
trans-1,4-Dichloro-2-butene  
Concen: 5.129 ug/l  
RT: 12.475 min Scan# 1851  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

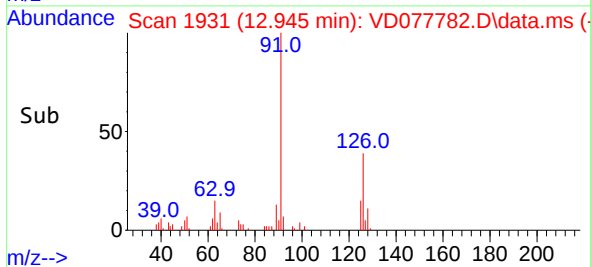
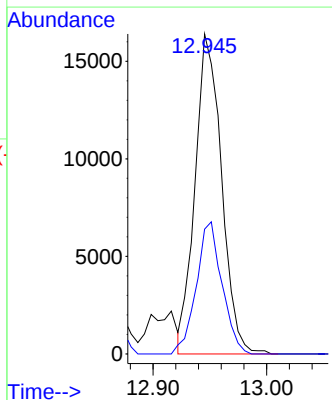
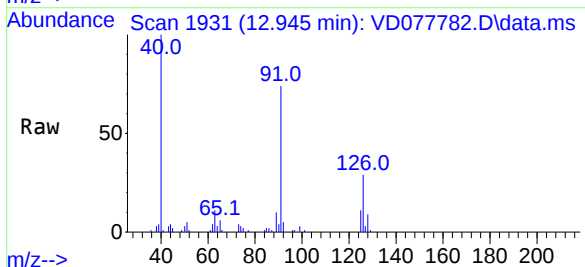
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

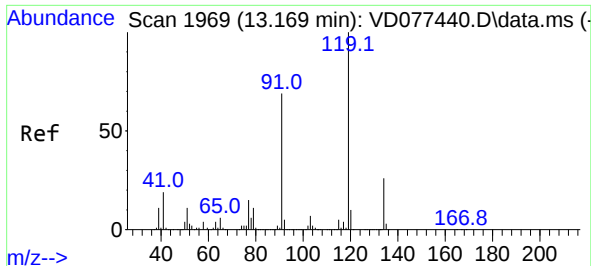
Tgt Ion: 75 Resp: 2248  
Ion Ratio Lower Upper  
75 100  
53 85.5 63.0 94.4  
89 51.1 37.9 56.9



#82  
4-Chlorotoluene  
Concen: 4.998 ug/l  
RT: 12.945 min Scan# 1931  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 91 Resp: 26559  
Ion Ratio Lower Upper  
91 100  
126 40.1 19.4 58.4

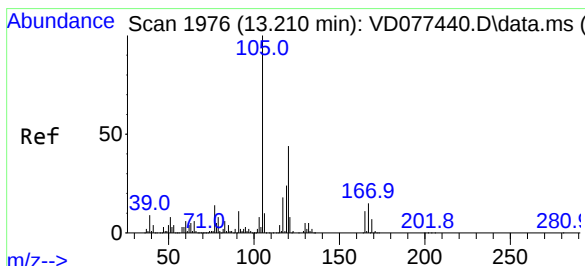
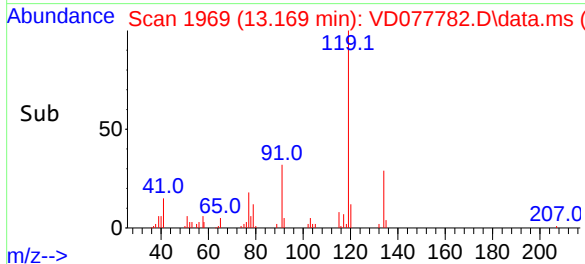
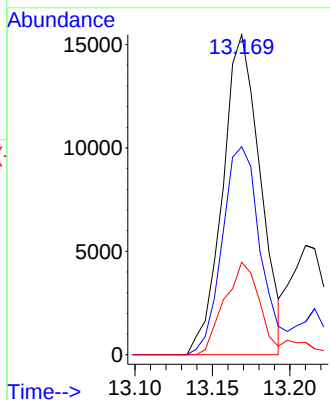
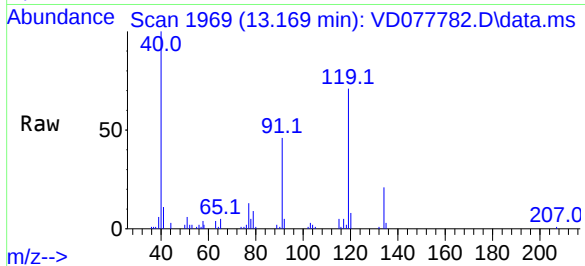




#83  
tert-Butylbenzene  
Concen: 4.734 ug/l  
RT: 13.169 min Scan# 1969  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

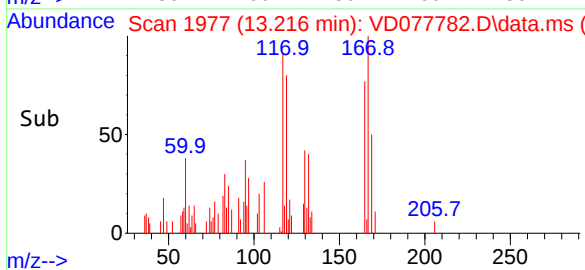
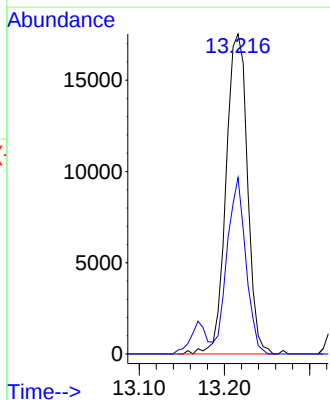
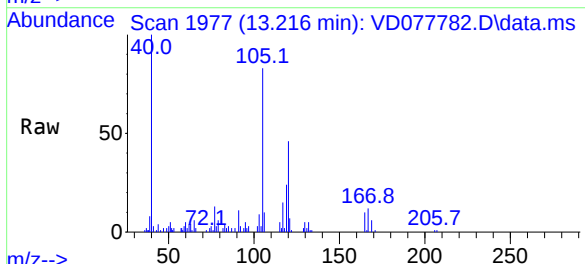
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

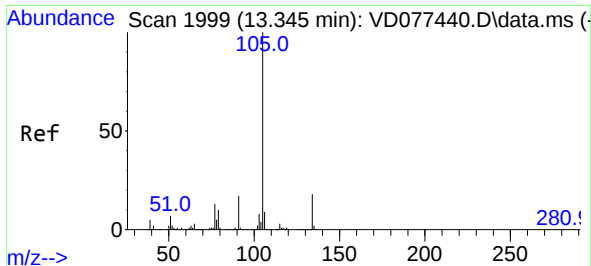
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 26092 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 66.3  | 29.3  | 87.8  |
| 134      | 26.8  | 14.1  | 42.3  |



#84  
1,2,4-Trimethylbenzene  
Concen: 4.682 ug/l  
RT: 13.216 min Scan# 1977  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 30516 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 48.2  | 24.3  | 72.9  |

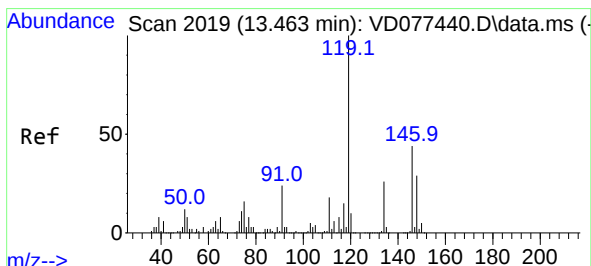
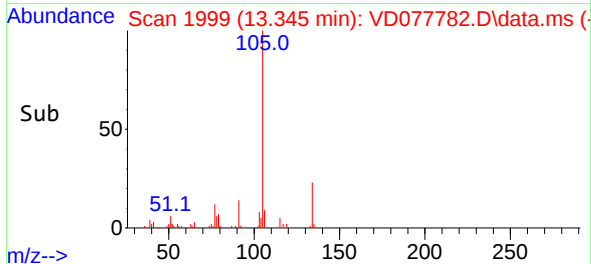
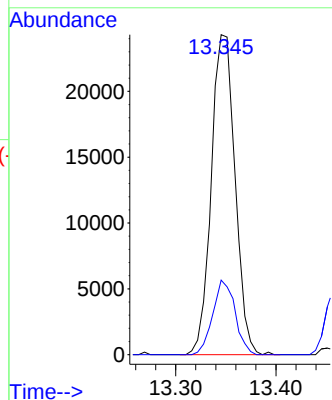
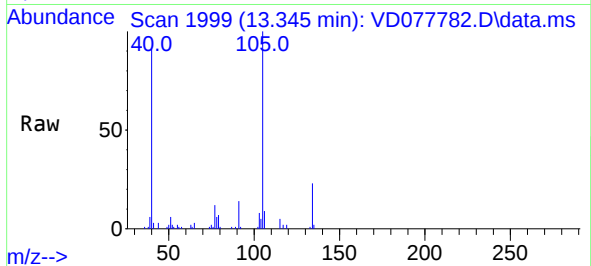




#85  
sec-Butylbenzene  
Concen: 4.927 ug/l  
RT: 13.345 min Scan# 1999  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

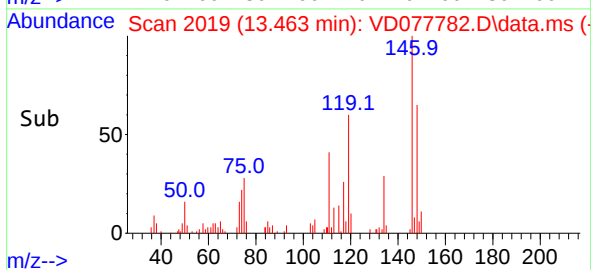
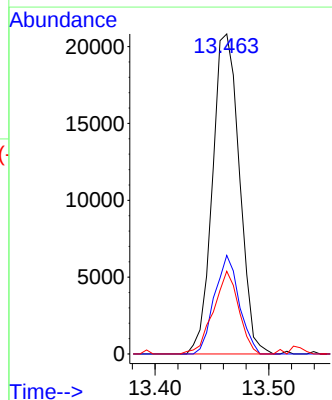
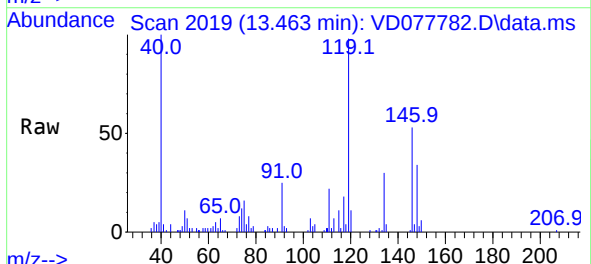
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

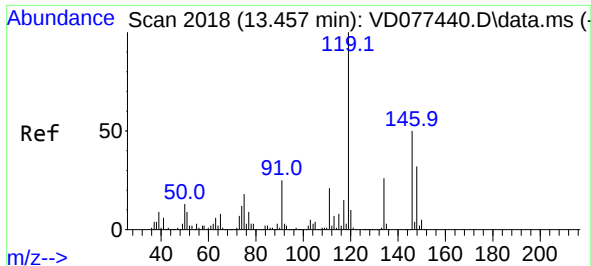
Tgt Ion:105 Resp: 40077  
Ion Ratio Lower Upper  
105 100  
134 21.8 10.9 32.9



#86  
p-Isopropyltoluene  
Concen: 4.707 ug/l  
RT: 13.463 min Scan# 2019  
Delta R.T. -0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion:119 Resp: 34252  
Ion Ratio Lower Upper  
119 100  
134 28.3 14.2 42.6  
91 24.3 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 4.980 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

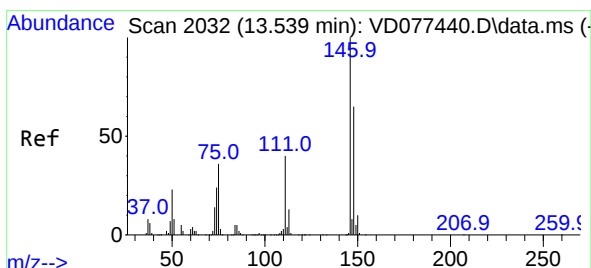
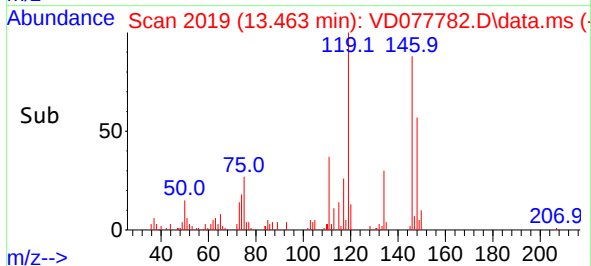
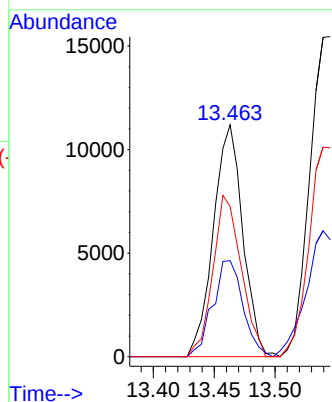
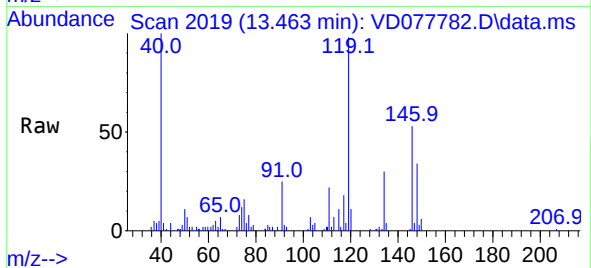
Tgt Ion:146 Resp: 18816

Ion Ratio Lower Upper

146 100

111 42.6 17.9 53.8

148 67.0 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 5.415 ug/l

RT: 13.545 min Scan# 2033

Delta R.T. 0.006 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

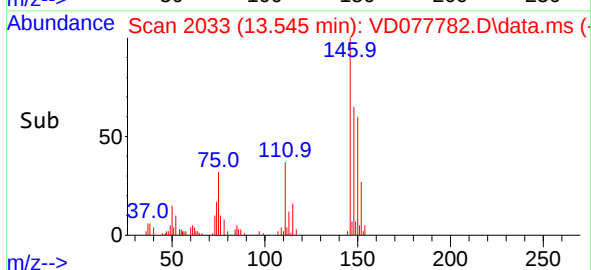
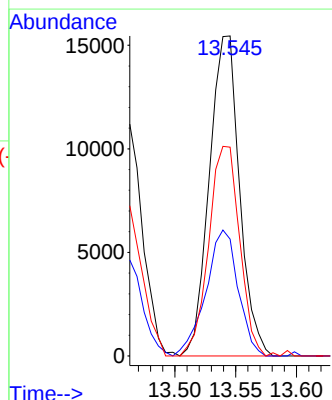
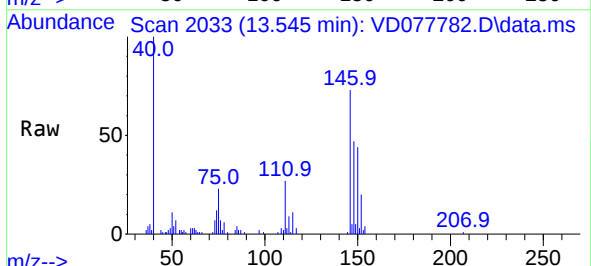
Tgt Ion:146 Resp: 26681

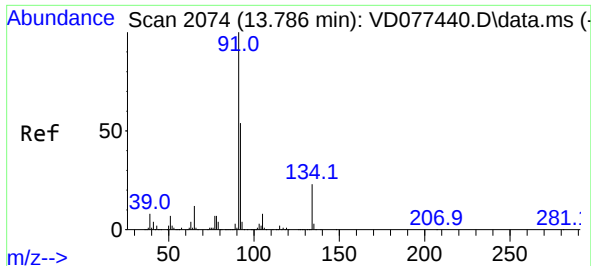
Ion Ratio Lower Upper

146 100

111 41.9 17.4 52.3

148 67.1 31.7 95.1



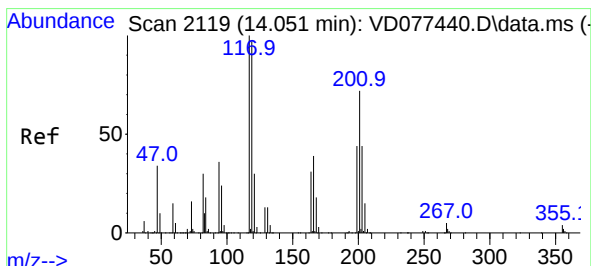
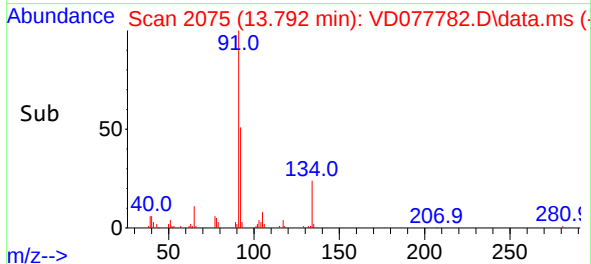
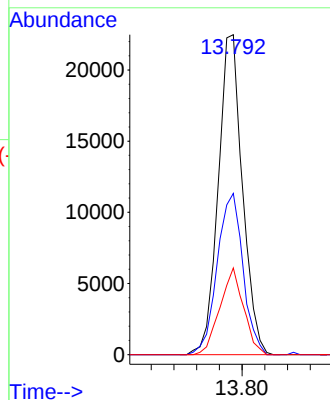
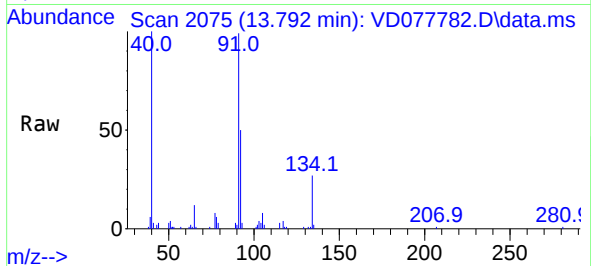


#89  
n-Butylbenzene  
Concen: 4.868 ug/l  
RT: 13.792 min Scan# 2075  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

Tgt Ion: 91 Resp: 33322

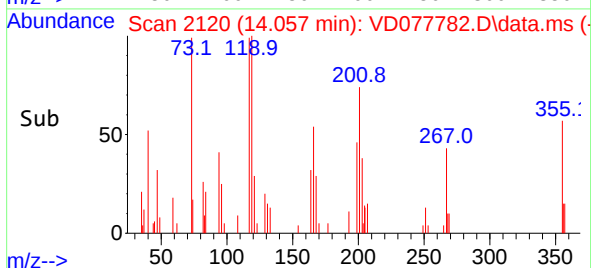
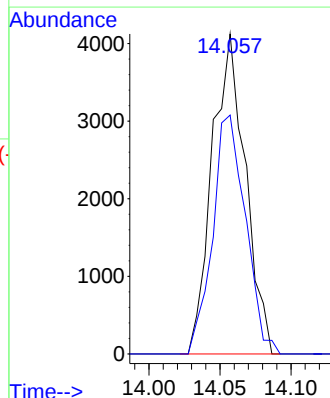
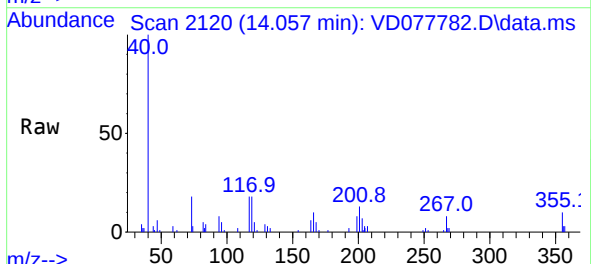
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 91  | 100   |       |       |
| 92  | 53.6  | 26.5  | 79.5  |
| 134 | 26.5  | 13.8  | 41.3  |

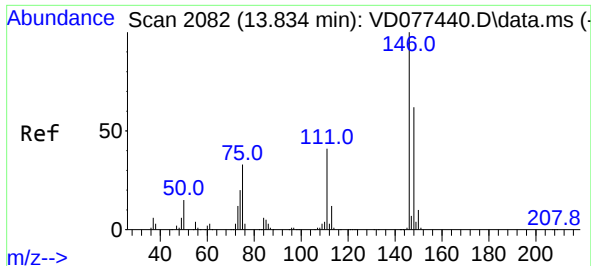


#90  
Hexachloroethane  
Concen: 4.981 ug/l  
RT: 14.057 min Scan# 2120  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion: 117 Resp: 6703

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 201 | 73.8  | 38.5  | 115.5 |





#91

1,2-Dichlorobenzene

Concen: 5.355 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

Instrument :

MSVOA\_D

ClientSampleId :

VSTDIC005

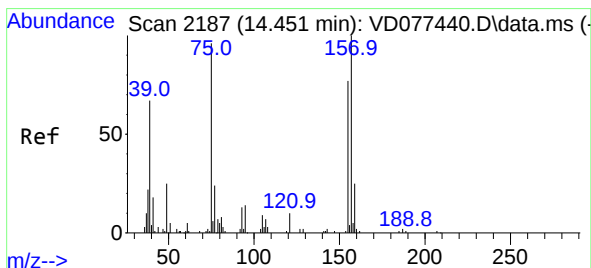
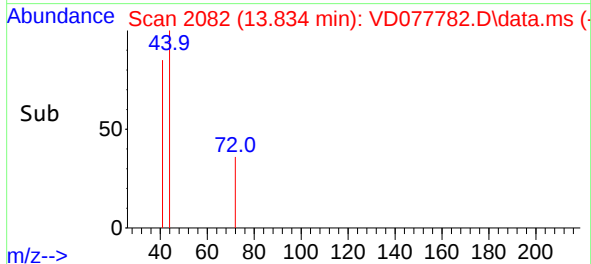
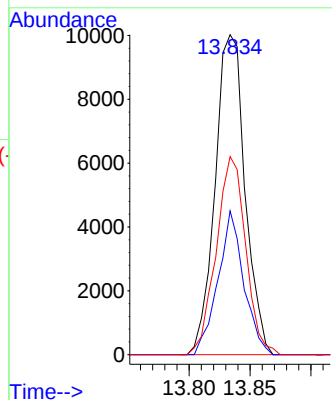
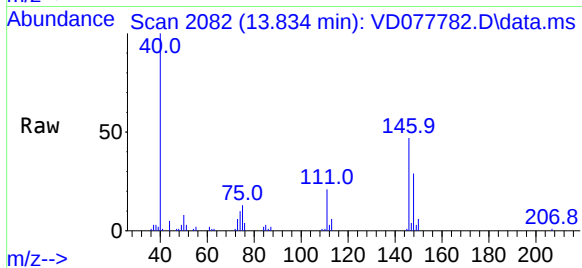
Tgt Ion:146 Resp: 17166

Ion Ratio Lower Upper

146 100

111 38.7 18.3 54.8

148 60.9 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.388 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD077782.D

Acq: 08 Dec 2023 09:15

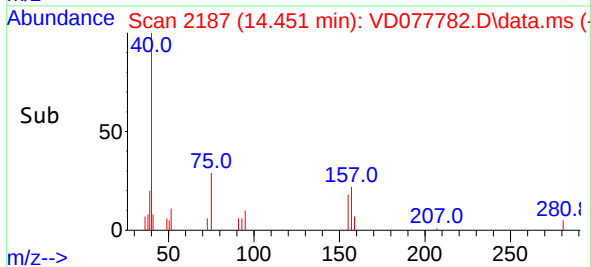
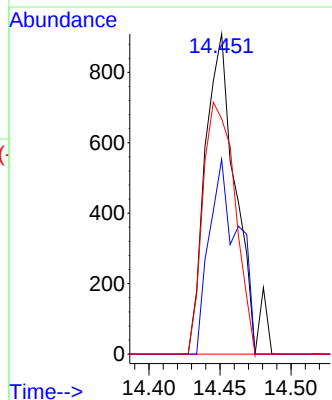
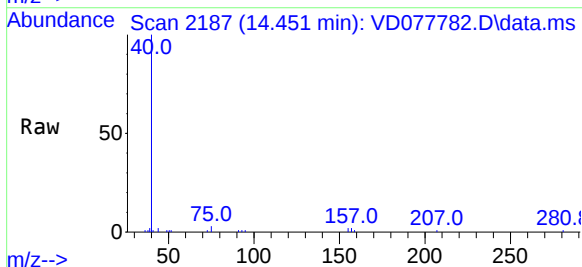
Tgt Ion: 75 Resp: 1378

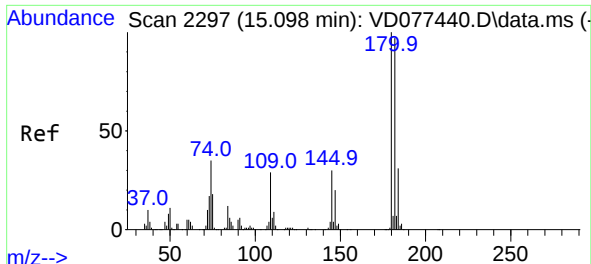
Ion Ratio Lower Upper

75 100

155 57.4 47.9 143.8

157 81.7 59.9 179.7

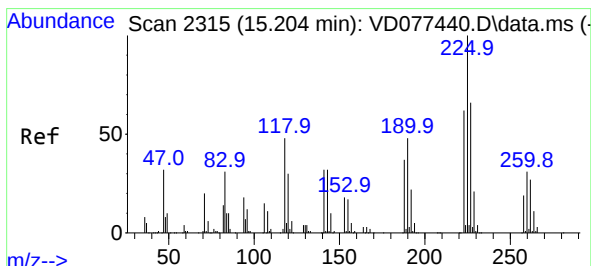
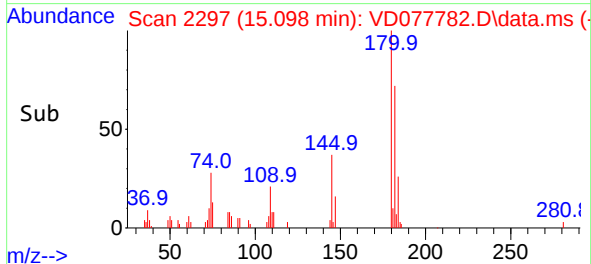
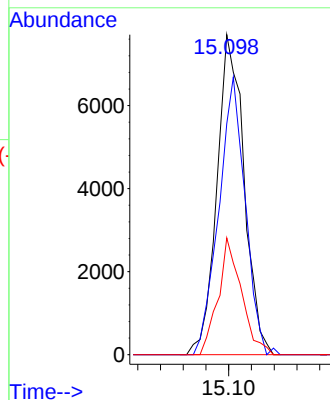
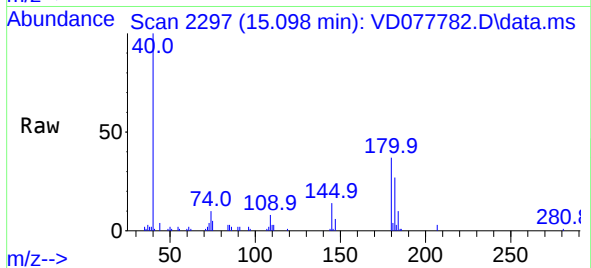




#93  
1,2,4-Trichlorobenzene  
Concen: 5.873 ug/l  
RT: 15.098 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

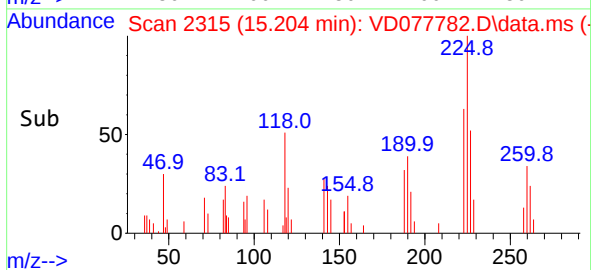
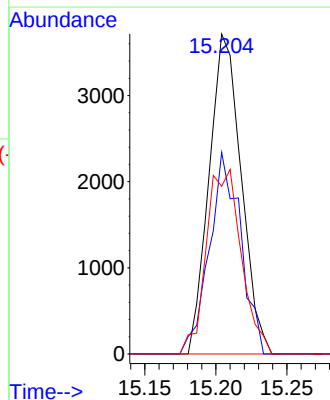
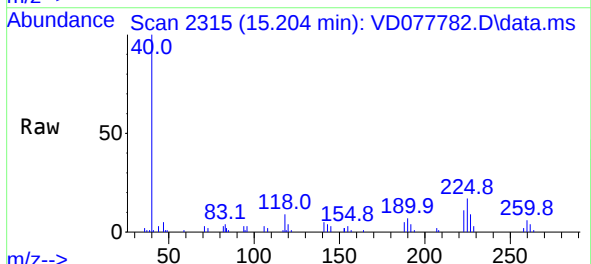
Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDICC005

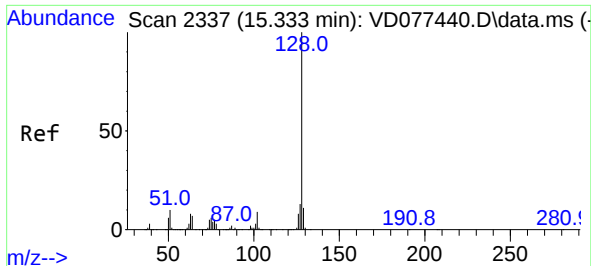
Tgt Ion:180 Resp: 12786  
Ion Ratio Lower Upper  
180 100  
182 84.4 48.5 145.6  
145 31.5 14.2 42.6



#94  
Hexachlorobutadiene  
Concen: 4.987 ug/l  
RT: 15.204 min Scan# 2315  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Tgt Ion:225 Resp: 5831  
Ion Ratio Lower Upper  
225 100  
223 61.1 31.6 94.8  
227 62.9 31.7 95.1

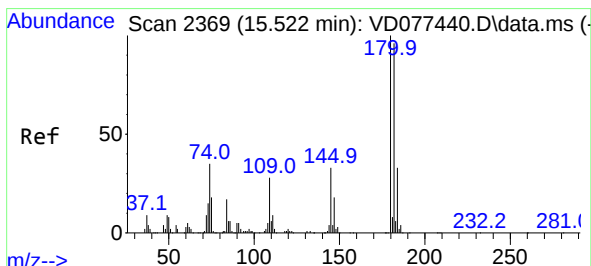
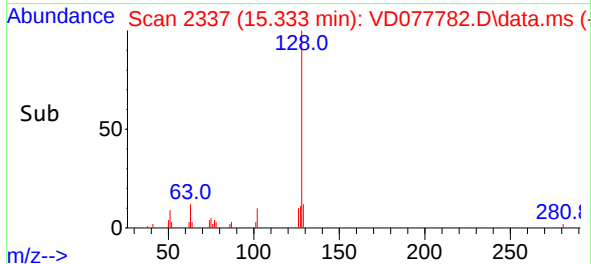
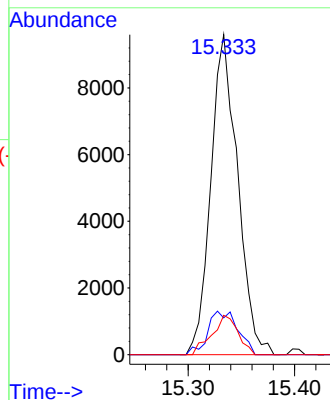
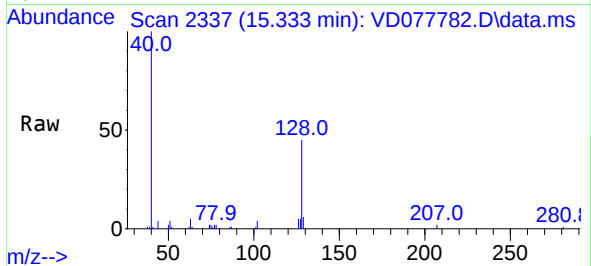




#95  
Naphthalene  
Concen: 4.645 ug/l  
RT: 15.333 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

Instrument :  
MSVOA\_D  
ClientSampleId :  
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 16774 |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 127      | 11.5  | 10.5  | 15.7  |
| 129      | 12.3  | 8.7   | 13.1  |



#96  
1,2,3-Trichlorobenzene  
Concen: 5.088 ug/l  
RT: 15.528 min Scan# 2370  
Delta R.T. 0.006 min  
Lab File: VD077782.D  
Acq: 08 Dec 2023 09:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 9045  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 92.7  | 47.3  | 141.9 |
| 145      | 30.9  | 15.1  | 45.3  |

