

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD090425\  
 Data File : VD080510.D  
 Acq On : 04 Sep 2025 12:17  
 Operator : RP/MD  
 Sample : Q2893-01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 05 03:52:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 05 03:51:03 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 7.876  | 168   | 378750   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 8.776  | 114   | 697232   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 11.582 | 117   | 659445   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 13.517 | 152   | 335973   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 8.229  | 65    | 209800   | 49.098   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 50 - 163 | Recovery | =      | 98.200%  |
| 35) Dibromofluoromethane     | 7.805  | 113   | 211926   | 45.932   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 54 - 147 | Recovery | =      | 91.860%  |
| 50) Toluene-d8               | 10.270 | 98    | 817376   | 44.878   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 58 - 134 | Recovery | =      | 89.760%  |
| 62) 4-Bromofluorobenzene     | 12.570 | 95    | 288542   | 48.644   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 30 - 143 | Recovery | =      | 97.280%  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.935  | 85    | 12277    | 3.807    | ug/l   | 97       |
| 3) Chloromethane             | 2.153  | 50    | 19651    | 3.860    | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.288  | 62    | 19027    | 3.622    | ug/l   | 93       |
| 5) Bromomethane              | 2.694  | 94    | 14014    | 4.747    | ug/l   | 98       |
| 6) Chloroethane              | 2.841  | 64    | 15549    | 4.534    | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 3.170  | 101   | 23073    | 3.771    | ug/l   | 97       |
| 8) Diethyl Ether             | 3.600  | 74    | 8933     | 3.684    | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 3.976  | 101   | 15788    | 3.977    | ug/l   | 98       |
| 10) Methyl Iodide            | 4.164  | 142   | 12940    | 2.823    | ug/l   | 98       |
| 11) Tert butyl alcohol       | 5.059  | 59    | 7364m    | 23.814   | ug/l   |          |
| 12) 1,1-Dichloroethene       | 3.941  | 96    | 15484    | 3.744    | ug/l   | 92       |
| 13) Acrolein                 | 3.794  | 56    | 509m     | 1.549    | ug/l   |          |
| 14) Allyl chloride           | 4.564  | 41    | 24721    | 3.444    | ug/l   | 99       |
| 15) Acrylonitrile            | 5.258  | 53    | 19924    | 18.452   | ug/l   | 97       |
| 16) Acetone                  | 4.029  | 43    | 27251    | 27.241   | ug/l   | 99       |
| 17) Carbon Disulfide         | 4.270  | 76    | 43275    | 3.094    | ug/l   | 99       |
| 18) Methyl Acetate           | 4.564  | 43    | 14882    | 5.286    | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 5.317  | 73    | 39460    | 3.636    | ug/l   | 92       |
| 20) Methylene Chloride       | 4.806  | 84    | 26932    | 4.901    | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 5.311  | 96    | 16289    | 3.440    | ug/l   | 96       |
| 22) Diisopropyl ether        | 6.223  | 45    | 53458    | 3.619    | ug/l   | 98       |
| 23) Vinyl Acetate            | 6.153  | 43    | 135502   | 16.118   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 6.111  | 63    | 30698    | 3.590    | ug/l   | 98       |
| 25) 2-Butanone               | 7.088  | 43    | 32034    | 22.615   | ug/l   | 93       |
| 26) 2,2-Dichloropropane      | 7.082  | 77    | 25988    | 3.838    | ug/l   | 96       |
| 27) cis-1,2-Dichloroethene   | 7.088  | 96    | 20485    | 3.625    | ug/l   | 96       |
| 28) Bromochloromethane       | 7.429  | 49    | 12996    | 3.729    | ug/l # | 97       |
| 29) Tetrahydrofuran          | 7.452  | 42    | 17369    | 19.404   | ug/l   | 99       |
| 30) Chloroform               | 7.600  | 83    | 30780    | 3.764    | ug/l   | 94       |
| 31) Cyclohexane              | 7.876  | 56    | 34907    | 4.361    | ug/l # | 76       |
| 32) 1,1,1-Trichloroethane    | 7.794  | 97    | 25559    | 3.754    | ug/l   | 97       |
| 36) 1,1-Dichloropropene      | 8.011  | 75    | 21287    | 3.484    | ug/l   | 97       |
| 37) Ethyl Acetate            | 7.170  | 43    | 10680    | 3.635    | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 7.994  | 117   | 21632    | 3.720    | ug/l # | 80       |
| 39) Methylcyclohexane        | 9.276  | 83    | 29856    | 3.671    | ug/l   | 87       |
| 40) Benzene                  | 8.252  | 78    | 70258    | 3.613    | ug/l   | 96       |

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 Sample : Q2893-01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 05 03:52:17 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082725S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 05 03:51:03 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 7.405  | 41   | 7009     | 4.018  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 8.329  | 62   | 17392    | 3.693  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 8.358  | 43   | 21820    | 3.650  | ug/l   | 97       |
| 44) Trichloroethene           | 9.029  | 130  | 16887    | 3.580  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 9.305  | 63   | 16624    | 3.447  | ug/l   | 93       |
| 46) Dibromomethane            | 9.394  | 93   | 9104     | 3.524  | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.582  | 83   | 23095    | 3.667  | ug/l # | 98       |
| 48) Methyl methacrylate       | 9.382  | 41   | 10549    | 3.560  | ug/l   | 96       |
| 49) 1,4-Dioxane               | 9.382  | 88   | 2786     | 87.224 | ug/l # | 88       |
| 51) 4-Methyl-2-Pentanone      | 10.158 | 43   | 56612    | 18.989 | ug/l   | 100      |
| 52) Toluene                   | 10.335 | 92   | 43512    | 3.588  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 10.552 | 75   | 22512    | 3.507  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.017 | 75   | 27128    | 3.534  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 10.729 | 97   | 13391    | 3.866  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 10.594 | 69   | 18050    | 3.740  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 10.876 | 76   | 22220    | 3.655  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 9.870  | 63   | 33841    | 18.119 | ug/l   | 99       |
| 59) 2-Hexanone                | 10.917 | 43   | 41769    | 19.718 | ug/l   | 96       |
| 60) Dibromochloromethane      | 11.076 | 129  | 15977    | 3.660  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 11.176 | 107  | 12491    | 3.790  | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.811 | 164  | 14406    | 3.537  | ug/l   | 96       |
| 65) Chlorobenzene             | 11.605 | 112  | 49326    | 3.510  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 11.676 | 131  | 16060    | 3.583  | ug/l   | 96       |
| 67) Ethyl Benzene             | 11.682 | 91   | 83077    | 3.416  | ug/l   | 98       |
| 68) m/p-Xylenes               | 11.788 | 106  | 62841    | 6.710  | ug/l   | 99       |
| 69) o-Xylene                  | 12.117 | 106  | 30222    | 3.382  | ug/l   | 99       |
| 70) Styrene                   | 12.135 | 104  | 51079    | 3.360  | ug/l   | 99       |
| 71) Bromoform                 | 12.299 | 173  | 9208     | 3.615  | ug/l # | 93       |
| 73) Isopropylbenzene          | 12.417 | 105  | 76642    | 3.114  | ug/l   | 99       |
| 74) N-amyl acetate            | 12.229 | 43   | 21289    | 3.259  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 12.670 | 83   | 15936    | 3.482  | ug/l   | 96       |
| 76) 1,2,3-Trichloropropane    | 12.723 | 75   | 9224m    | 3.364  | ug/l   |          |
| 77) Bromobenzene              | 12.699 | 156  | 18346    | 3.221  | ug/l   | 97       |
| 78) n-propylbenzene           | 12.758 | 91   | 93587    | 3.131  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.846 | 91   | 53777    | 3.157  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.899 | 105  | 61840    | 3.092  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 12.464 | 75   | 5535     | 3.064  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 12.940 | 91   | 56499    | 3.225  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 13.164 | 119  | 53581    | 3.087  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.211 | 105  | 62608    | 3.109  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 13.340 | 105  | 82672    | 3.192  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 13.458 | 119  | 67584    | 3.119  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.458 | 146  | 35215    | 3.207  | ug/l   | 96       |
| 88) 1,4-Dichlorobenzene       | 13.535 | 146  | 37343    | 3.387  | ug/l   | 94       |
| 89) n-Butylbenzene            | 13.782 | 91   | 65358    | 3.167  | ug/l   | 99       |
| 90) Hexachloroethane          | 14.052 | 117  | 12840    | 3.064  | ug/l   | 92       |
| 91) 1,2-Dichlorobenzene       | 13.829 | 146  | 30477    | 3.119  | ug/l   | 95       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.446 | 75   | 2461     | 3.583  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 15.093 | 180  | 20881    | 3.411  | ug/l   | 96       |
| 94) Hexachlorobutadiene       | 15.199 | 225  | 9223     | 3.314  | ug/l   | 99       |
| 95) Naphthalene               | 15.329 | 128  | 42978    | 3.300  | ug/l   | 96       |
| 96) 1,2,3-Trichlorobenzene    | 15.517 | 180  | 17214    | 3.284  | ug/l   | 97       |

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Sample : Q2893-01  
Misc : 5.00G/5ml/MSVOA\_D/SOIL/A  
ALS Vial : 7 Sample Multiplier: 1

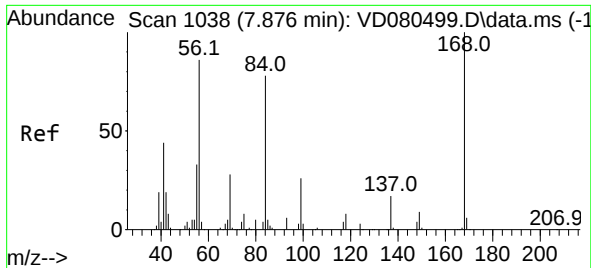
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

Quant Time: Sep 05 03:52:17 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D082725S.M  
Quant Title : SW846 8260  
QLast Update : Fri Sep 05 03:51:03 2025  
Response via : Initial Calibration

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

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

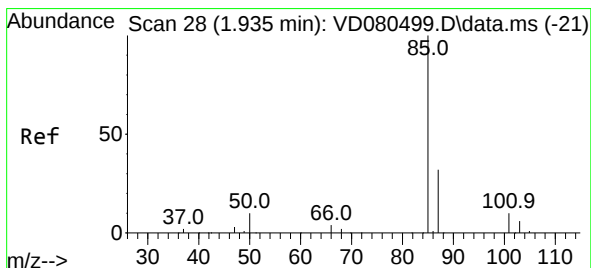
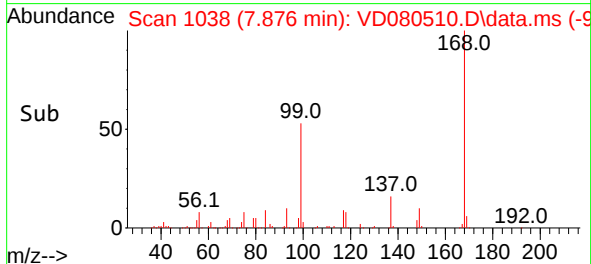
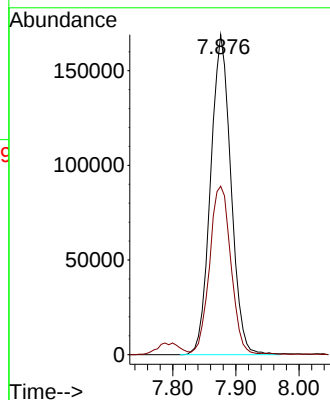
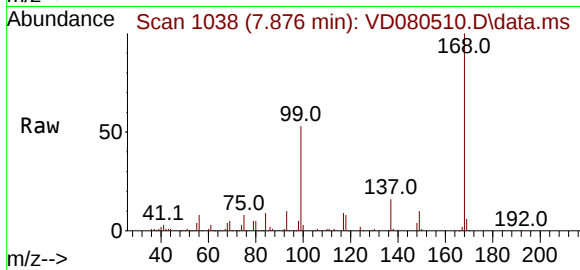




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.876 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

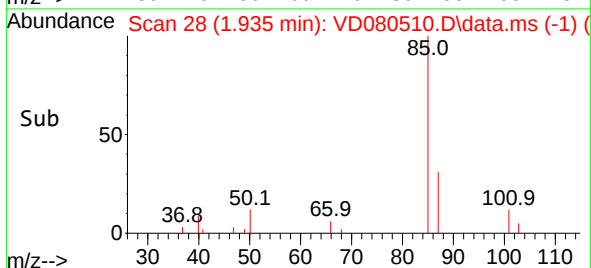
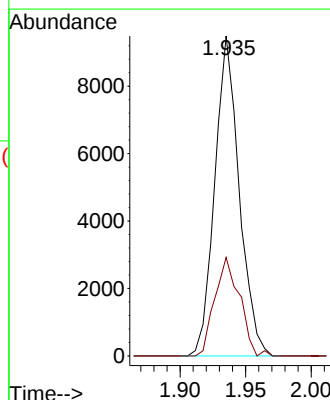
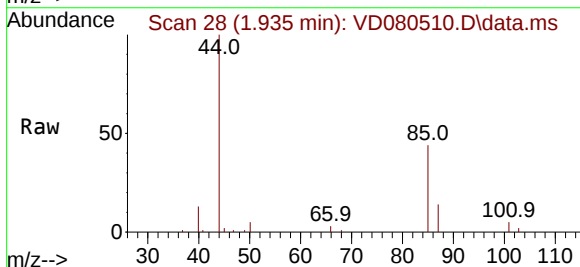
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

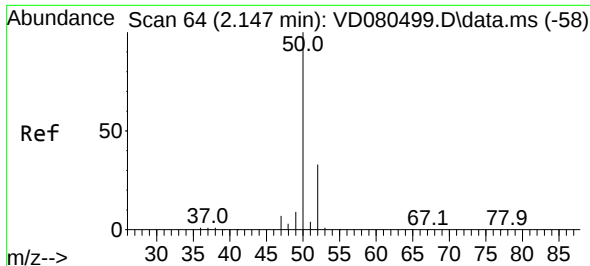
Tgt Ion:168 Resp: 378750  
Ion Ratio Lower Upper  
168 100  
99 52.5 44.1 66.1



#2  
Dichlorodifluoromethane  
Concen: 3.807 ug/l  
RT: 1.935 min Scan# 28  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 85 Resp: 12277  
Ion Ratio Lower Upper  
85 100  
87 30.8 16.2 48.5

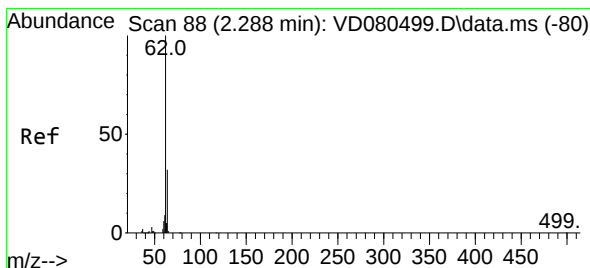
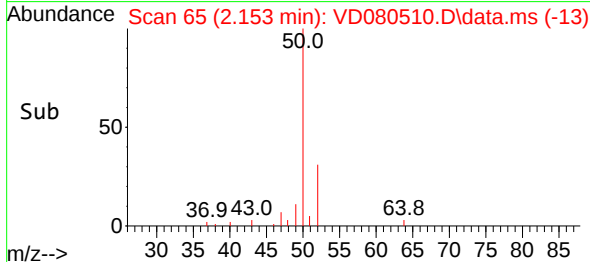
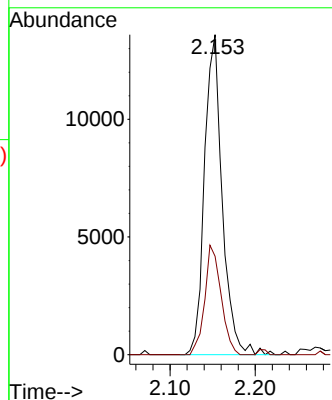
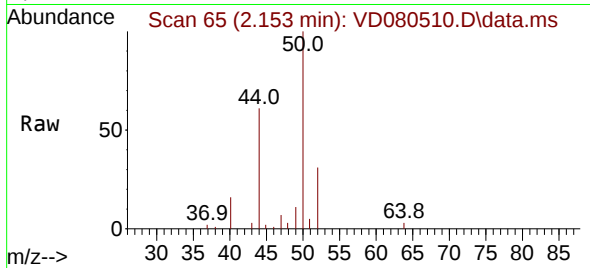




#3  
Chloromethane  
Concen: 3.860 ug/l  
RT: 2.153 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

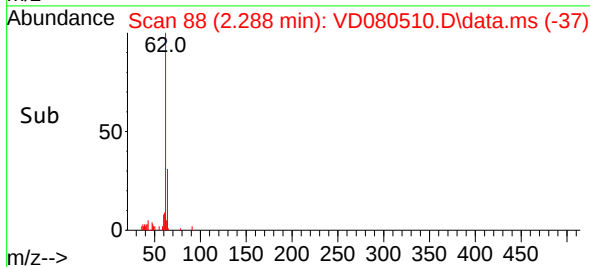
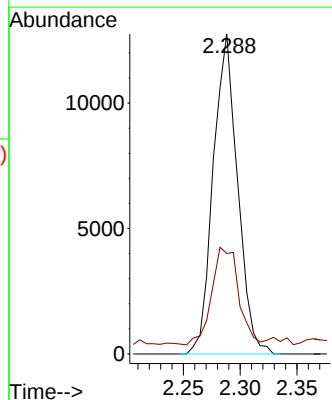
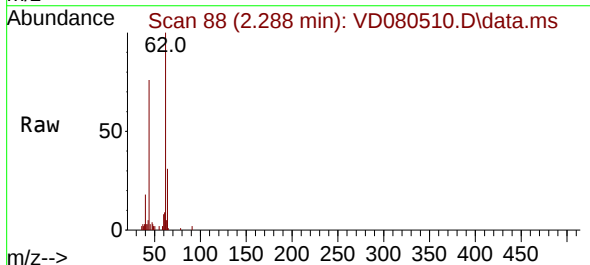
Instrument :  
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ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

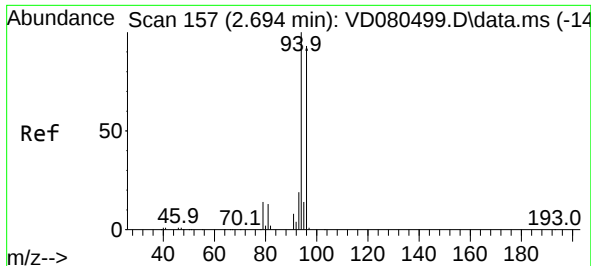
Tgt Ion: 50 Resp: 19651  
Ion Ratio Lower Upper  
50 100  
52 30.7 26.2 39.4



#4  
Vinyl Chloride  
Concen: 3.622 ug/l  
RT: 2.288 min Scan# 88  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 62 Resp: 19027  
Ion Ratio Lower Upper  
62 100  
64 28.3 25.6 38.4

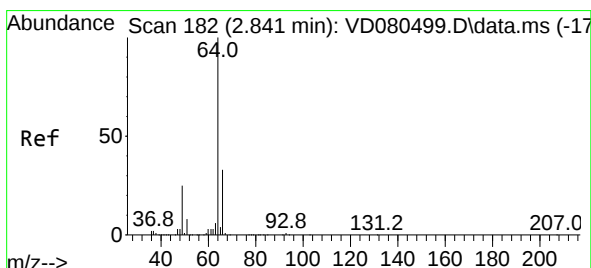
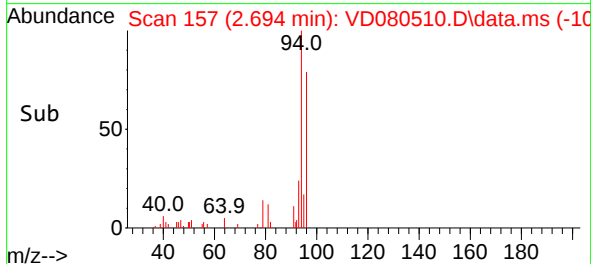
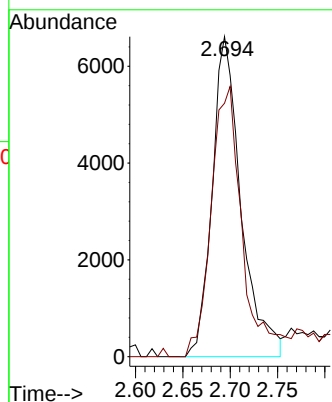
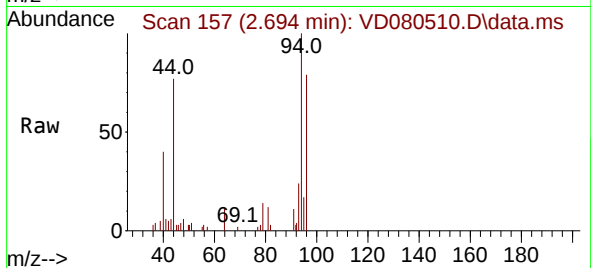




#5  
Bromomethane  
Concen: 4.747 ug/l  
RT: 2.694 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

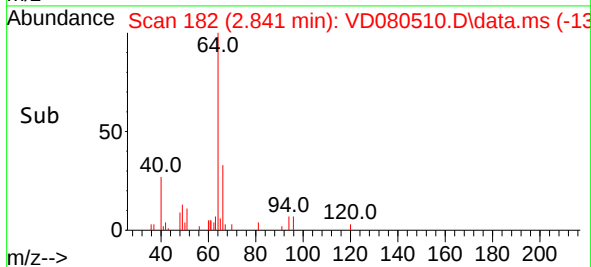
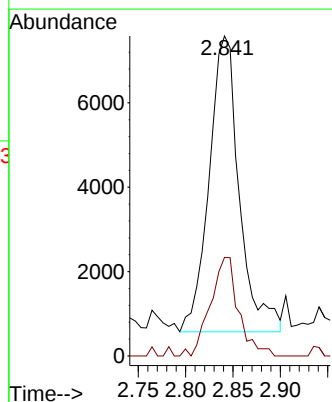
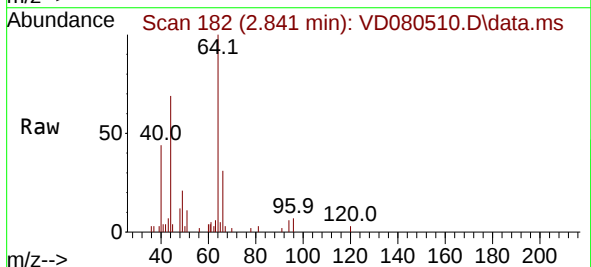
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

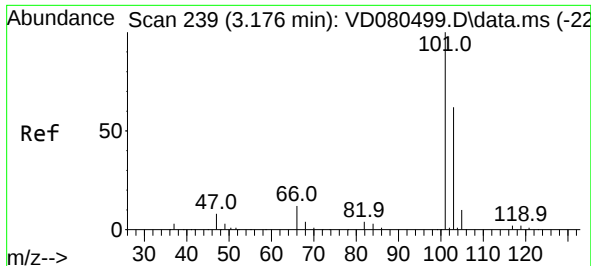
Tgt Ion: 94 Resp: 14014  
Ion Ratio Lower Upper  
94 100  
96 91.2 74.6 111.8



#6  
Chloroethane  
Concen: 4.534 ug/l  
RT: 2.841 min Scan# 182  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 64 Resp: 15549  
Ion Ratio Lower Upper  
64 100  
66 33.3 26.5 39.7

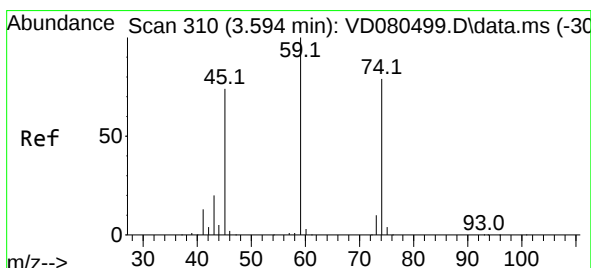
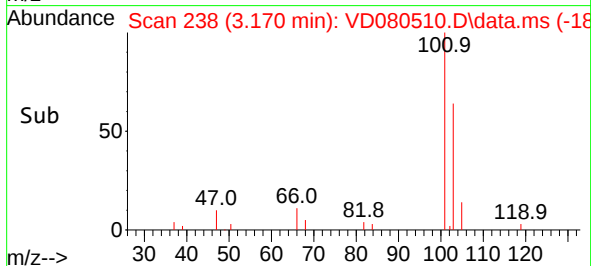
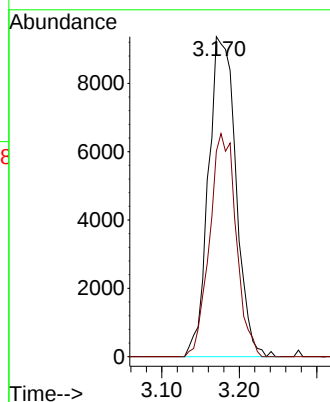
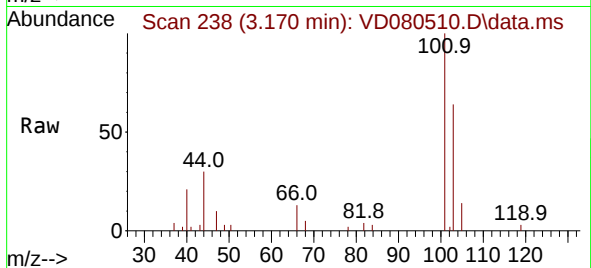




#7  
 Trichlorofluoromethane  
 Concen: 3.771 ug/l  
 RT: 3.170 min Scan# 21  
 Delta R.T. -0.006 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

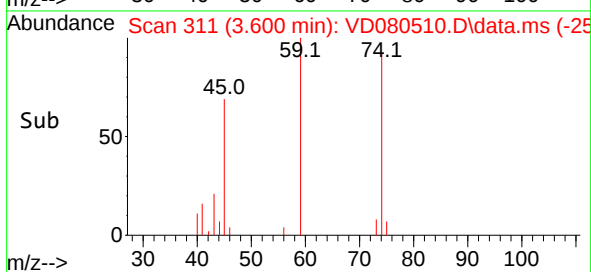
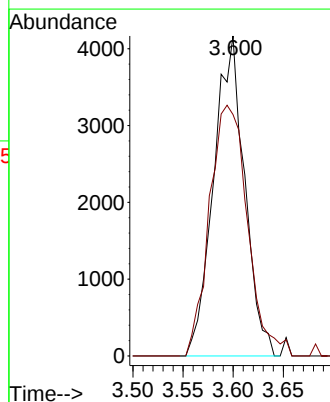
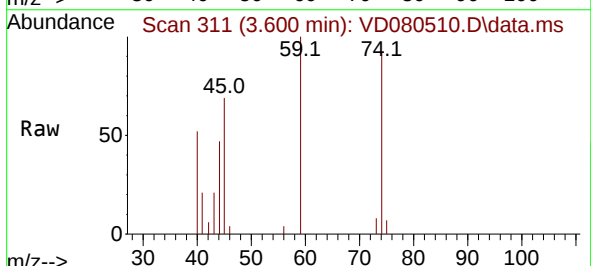
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 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

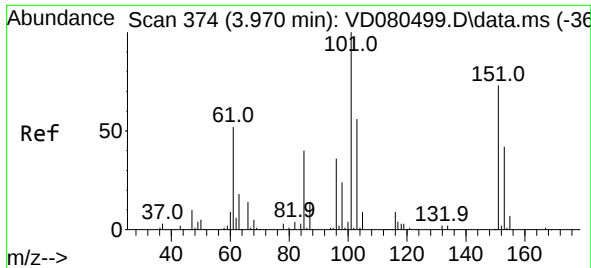
Tgt Ion:101 Resp: 23073  
 Ion Ratio Lower Upper  
 101 100  
 103 64.2 49.6 74.4



#8  
 Diethyl Ether  
 Concen: 3.684 ug/l  
 RT: 3.600 min Scan# 311  
 Delta R.T. 0.006 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

Tgt Ion: 74 Resp: 8933  
 Ion Ratio Lower Upper  
 74 100  
 45 96.2 48.2 144.6

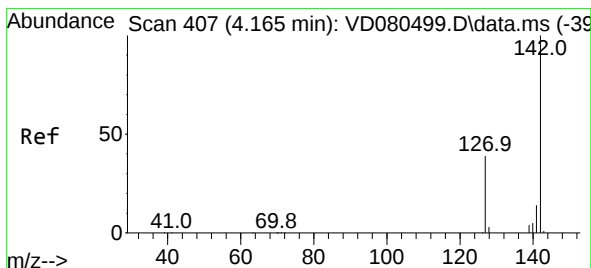
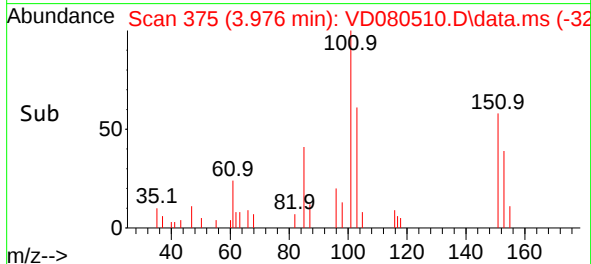
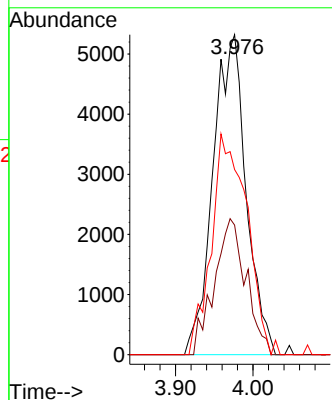
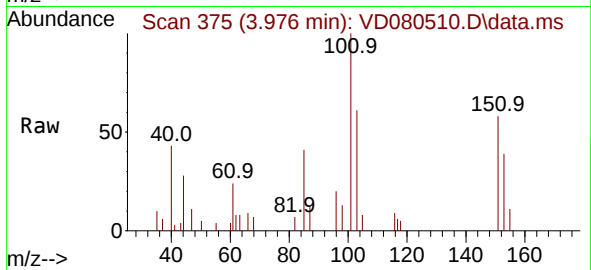




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 3.977 ug/l  
RT: 3.976 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

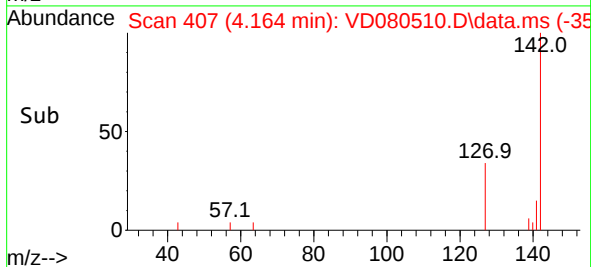
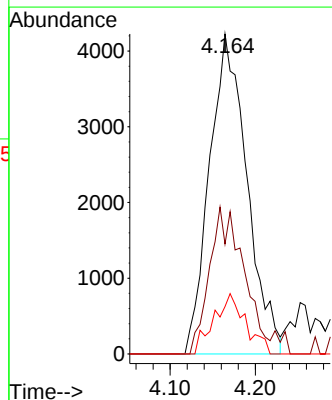
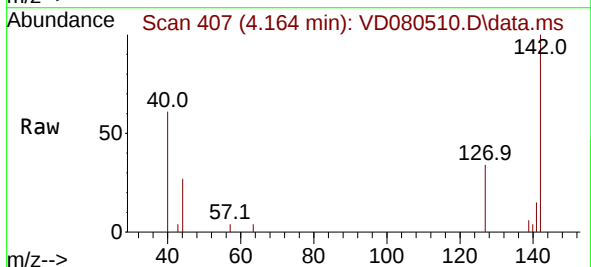
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

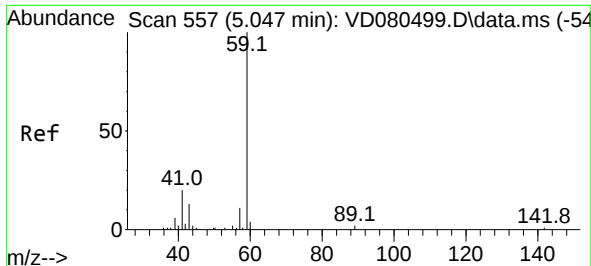
Tgt Ion:101 Resp: 15788  
Ion Ratio Lower Upper  
101 100  
85 40.8 33.8 50.6  
151 74.5 58.0 87.0



#10  
Methyl Iodide  
Concen: 2.823 ug/l  
RT: 4.164 min Scan# 407  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion:142 Resp: 12940  
Ion Ratio Lower Upper  
142 100  
127 41.9 33.1 49.7  
141 16.0 11.7 17.5

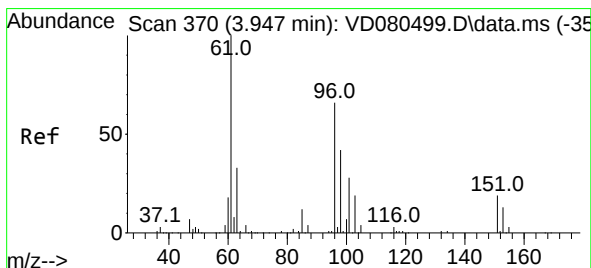
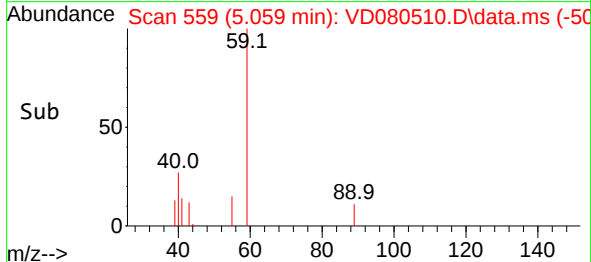
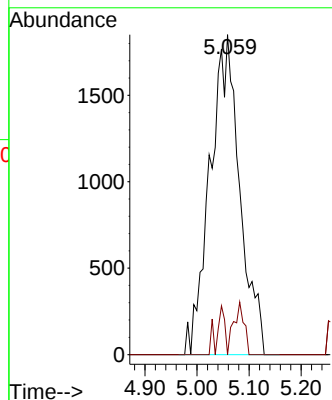
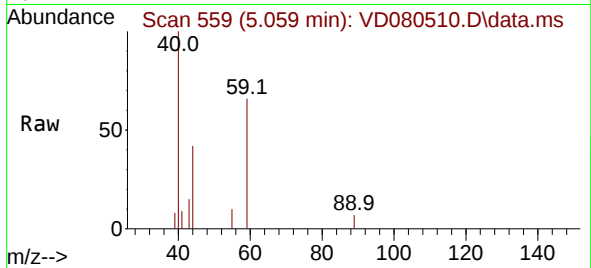




#11  
Tert butyl alcohol  
Concen: 23.814 ug/l m  
RT: 5.059 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

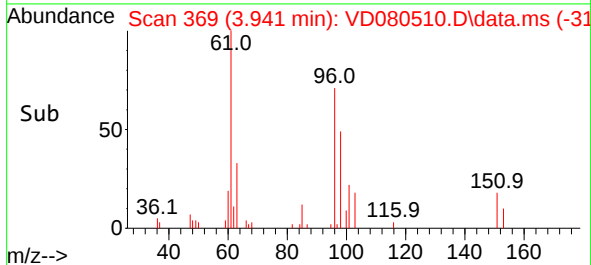
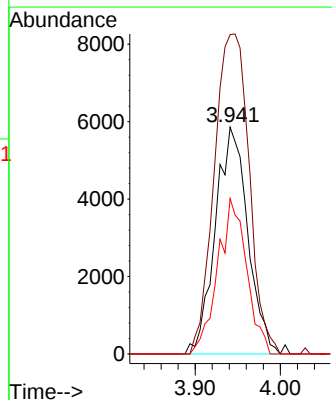
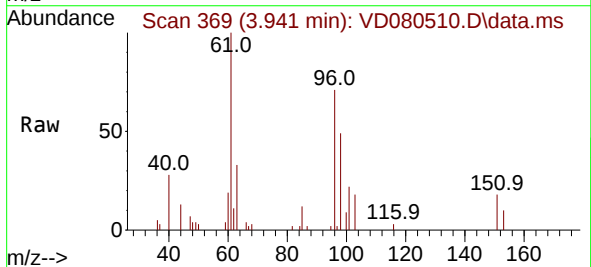
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

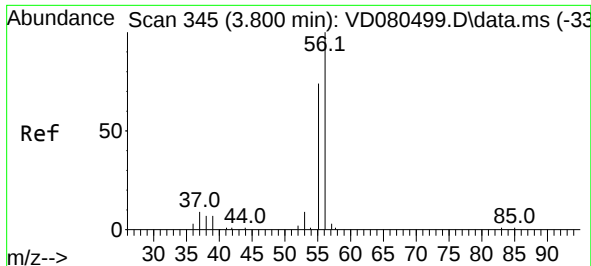
Tgt Ion: 59 Resp: 7364  
Ion Ratio Lower Upper  
59 100  
57 4.0 8.1 12.1#



#12  
1,1-Dichloroethene  
Concen: 3.744 ug/l  
RT: 3.941 min Scan# 369  
Delta R.T. -0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 96 Resp: 15484  
Ion Ratio Lower Upper  
96 100  
61 140.9 120.9 181.3  
98 68.5 50.7 76.1

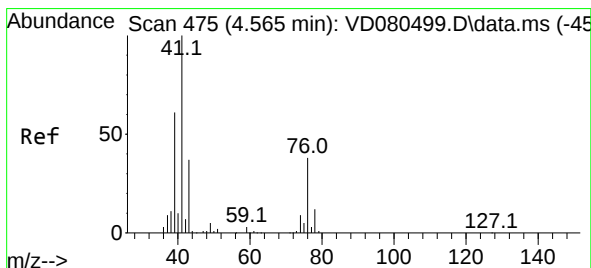
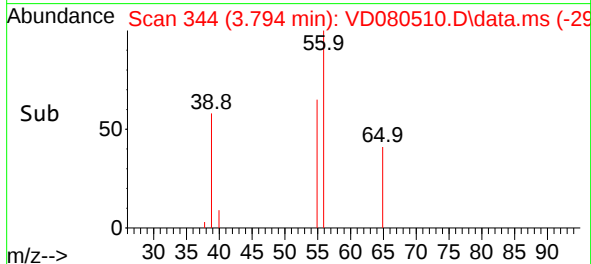
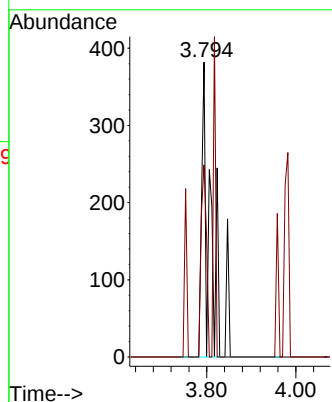
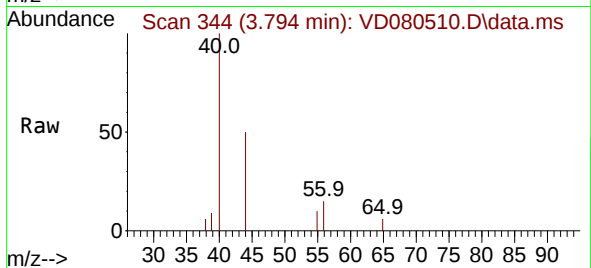




#13  
Acrolein  
Concen: 1.549 ug/l m  
RT: 3.794 min Scan# 345  
Delta R.T. -0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

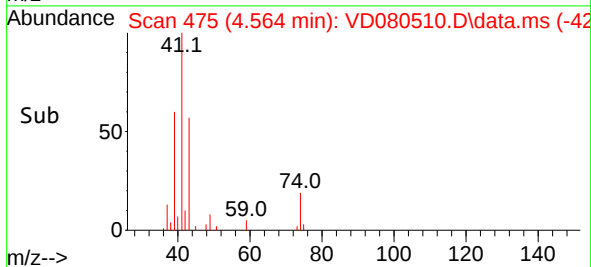
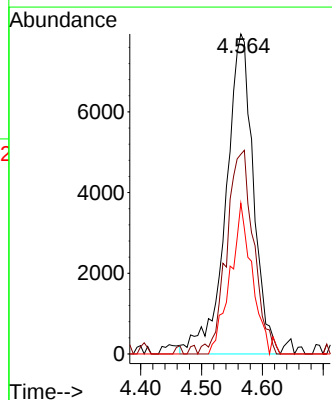
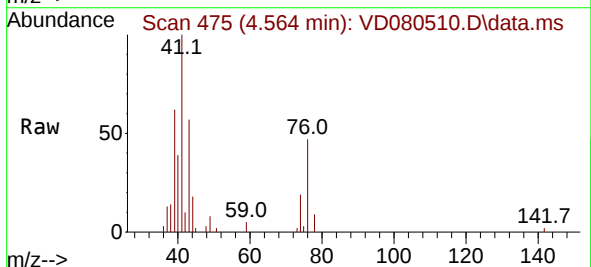
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

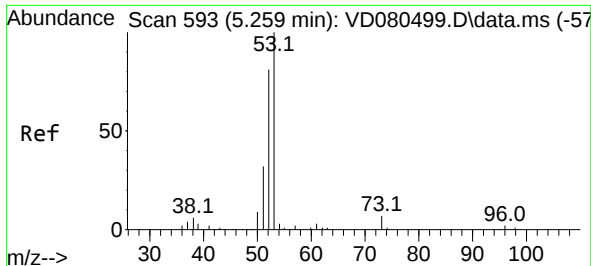
Tgt Ion: 56 Resp: 509  
Ion Ratio Lower Upper  
56 100  
55 41.1 56.6 85.0#



#14  
Allyl chloride  
Concen: 3.444 ug/l  
RT: 4.564 min Scan# 475  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 41 Resp: 24721  
Ion Ratio Lower Upper  
41 100  
39 62.6 50.1 75.1  
76 37.5 30.7 46.1

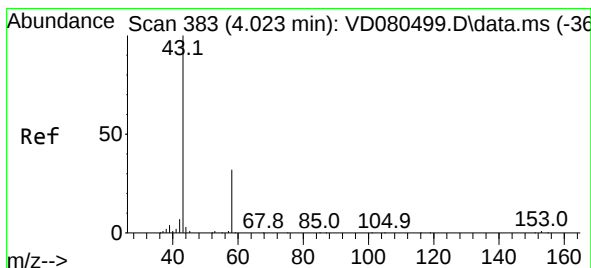
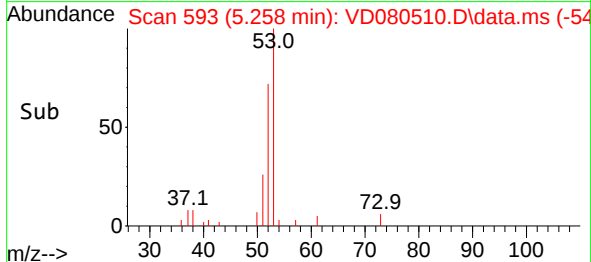
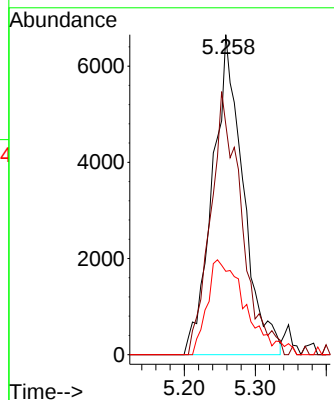
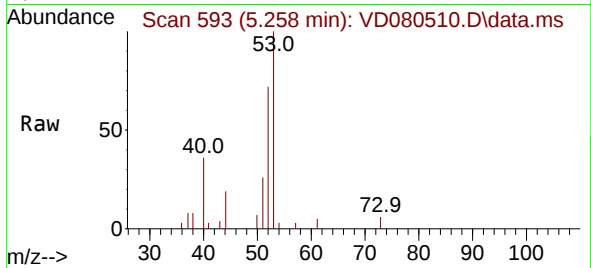




#15  
Acrylonitrile  
Concen: 18.452 ug/l  
RT: 5.258 min Scan# 593  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

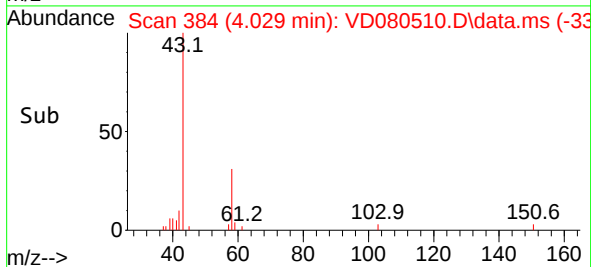
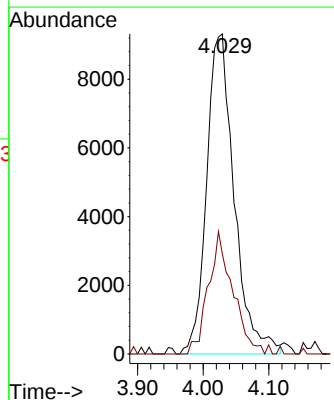
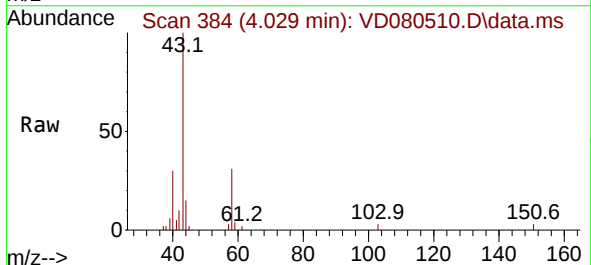
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MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

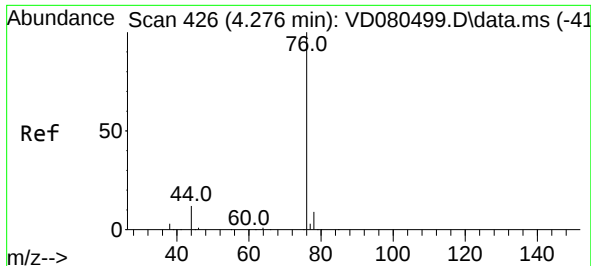
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 19924 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.0  | 64.6  | 97.0  |
| 51       | 37.6  | 28.0  | 42.0  |



#16  
Acetone  
Concen: 27.241 ug/l  
RT: 4.029 min Scan# 384  
Delta R.T. 0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 27251 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 31.4  | 25.4  | 38.0  |

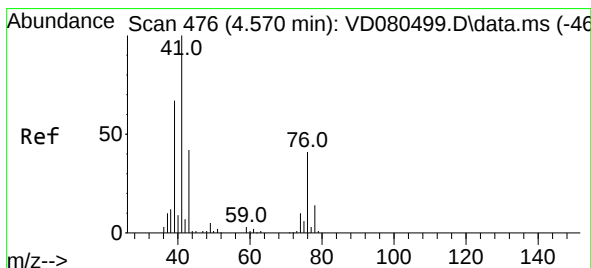
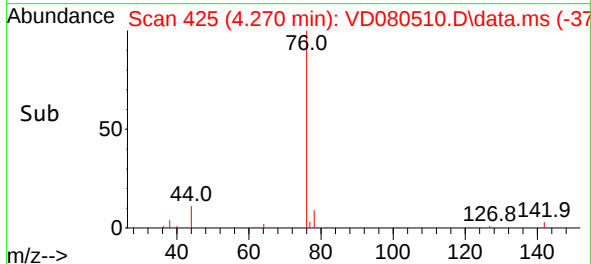
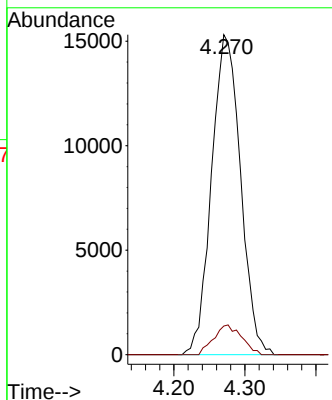
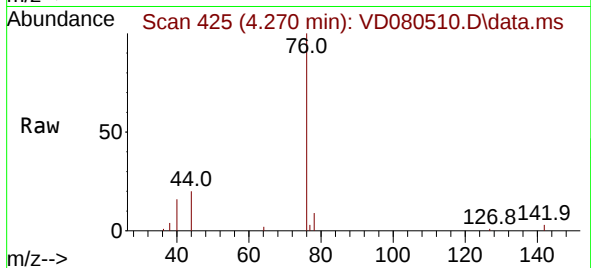




#17  
Carbon Disulfide  
Concen: 3.094 ug/l  
RT: 4.270 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

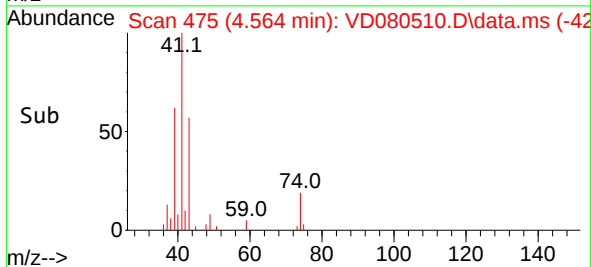
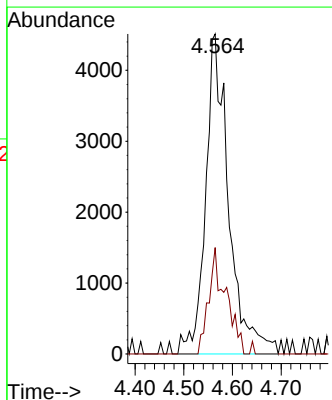
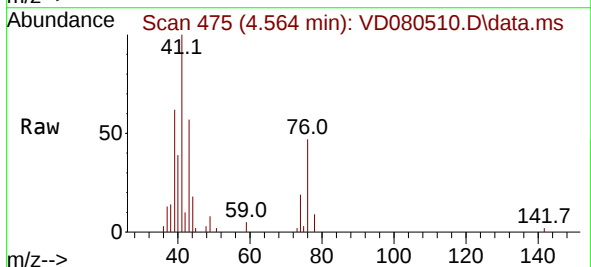
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

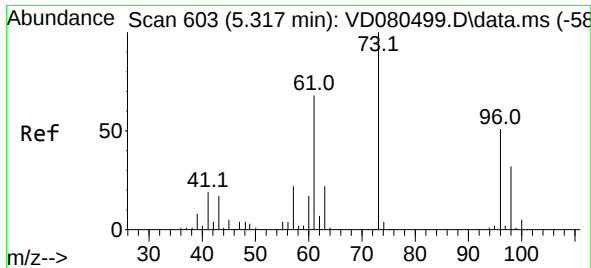
Tgt Ion: 76 Resp: 43275  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.4 11.0



#18  
Methyl Acetate  
Concen: 5.286 ug/l  
RT: 4.564 min Scan# 475  
Delta R.T. -0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 43 Resp: 14882  
Ion Ratio Lower Upper  
43 100  
74 24.9 20.2 30.2

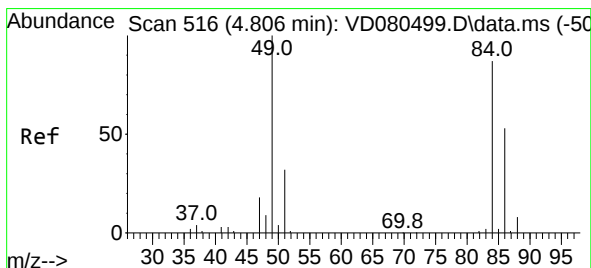
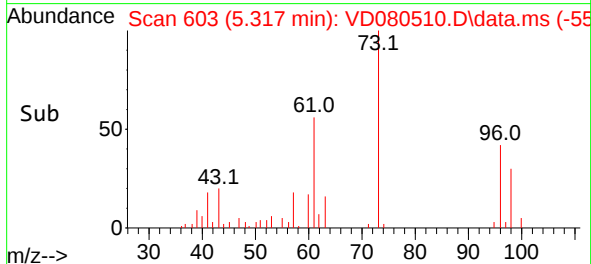
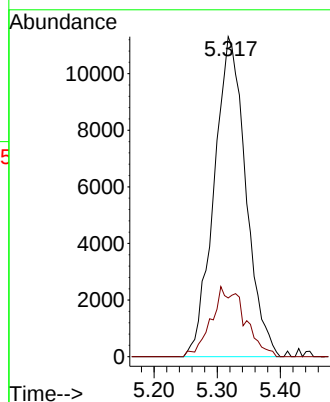
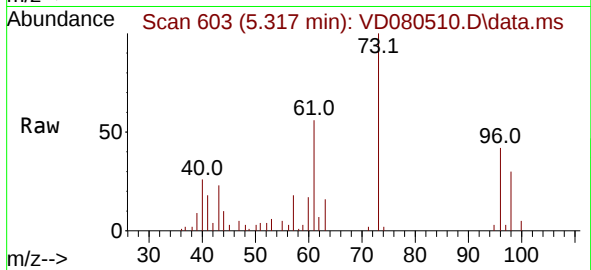




#19  
Methyl tert-butyl Ether  
Concen: 3.636 ug/l  
RT: 5.317 min Scan# 603  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

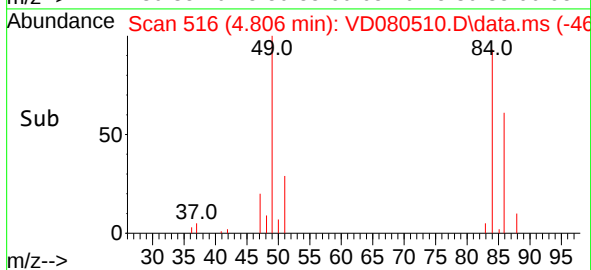
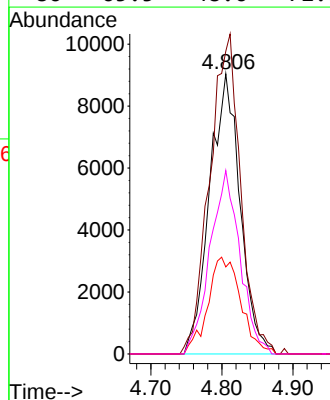
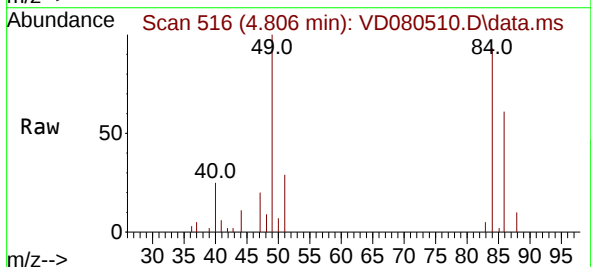
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

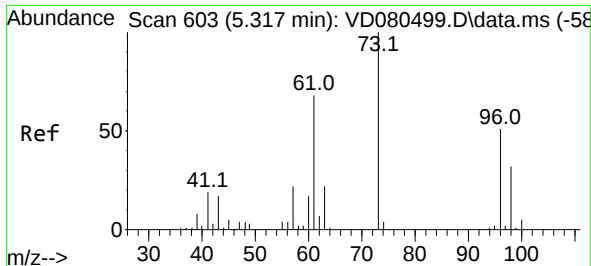
Tgt Ion: 73 Resp: 39460  
Ion Ratio Lower Upper  
73 100  
57 18.4 17.8 26.8



#20  
Methylene Chloride  
Concen: 4.901 ug/l  
RT: 4.806 min Scan# 516  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 84 Resp: 26932  
Ion Ratio Lower Upper  
84 100  
49 108.0 91.8 137.6  
51 31.0 29.0 43.4  
86 65.5 48.6 72.8

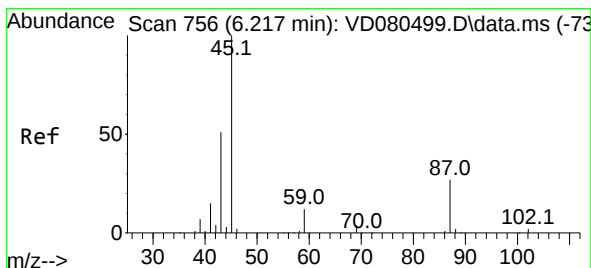
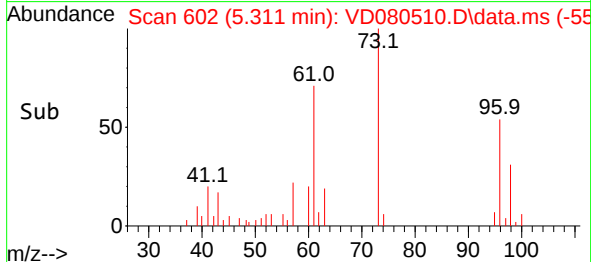
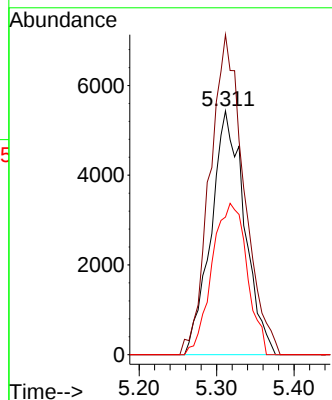
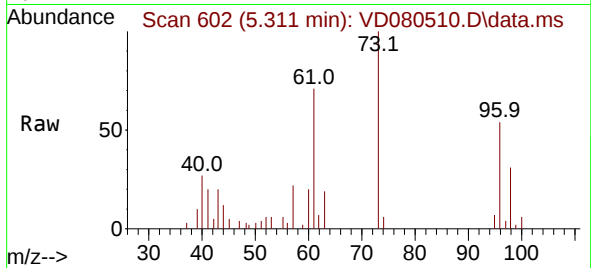




#21  
trans-1,2-Dichloroethene  
Concen: 3.440 ug/l  
RT: 5.311 min Scan# 603  
Delta R.T. -0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

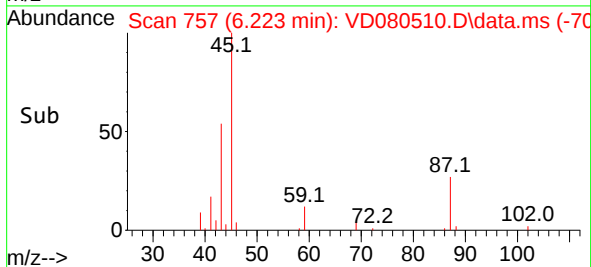
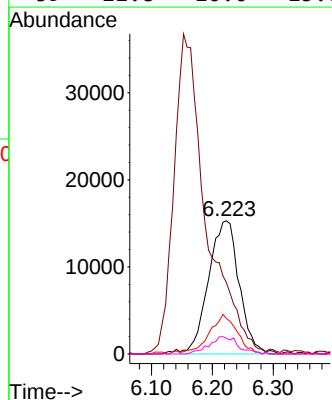
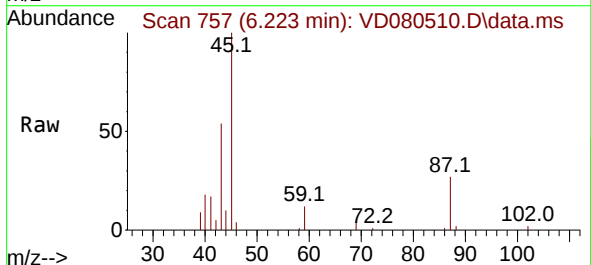
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

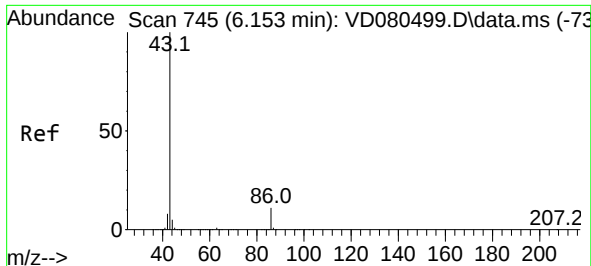
Tgt Ion: 96 Resp: 16289  
Ion Ratio Lower Upper  
96 100  
61 131.3 107.4 161.0  
98 56.5 49.9 74.9



#22  
Diisopropyl ether  
Concen: 3.619 ug/l  
RT: 6.223 min Scan# 757  
Delta R.T. 0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 45 Resp: 53458  
Ion Ratio Lower Upper  
45 100  
43 52.4 40.6 60.8  
87 26.7 21.6 32.4  
59 11.8 10.0 15.0

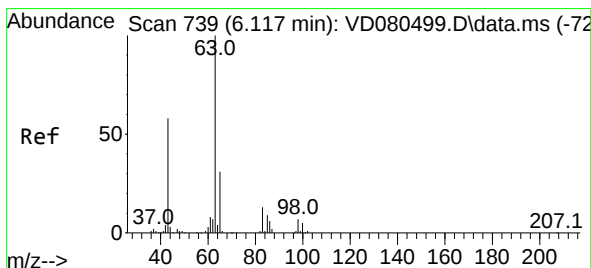
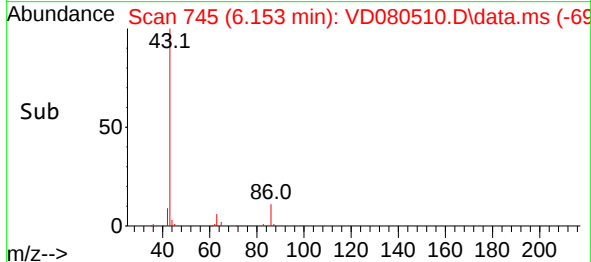
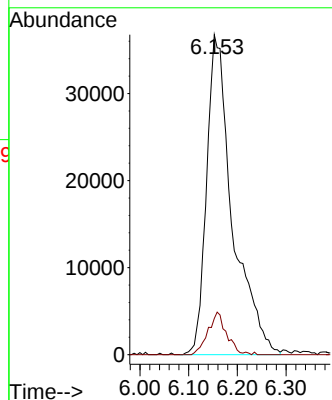
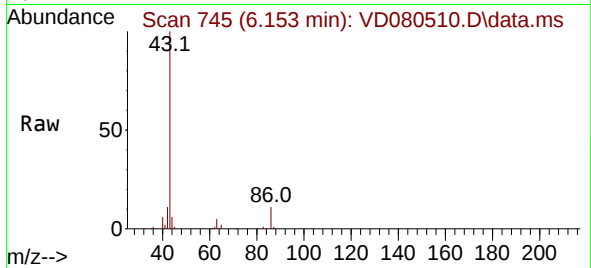




#23  
 Vinyl Acetate  
 Concen: 16.118 ug/l  
 RT: 6.153 min Scan# 745  
 Delta R.T. -0.000 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

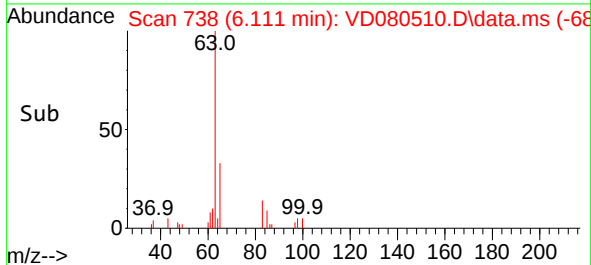
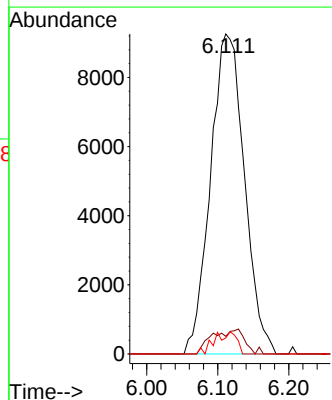
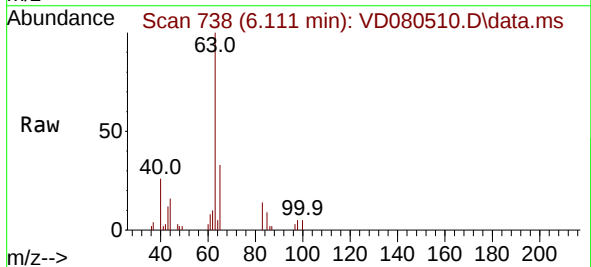
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

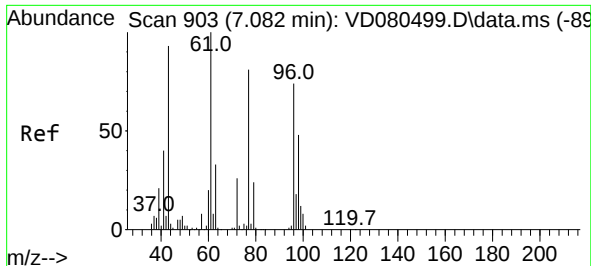
Tgt Ion: 43 Resp: 135502  
 Ion Ratio Lower Upper  
 43 100  
 86 11.3 8.4 12.6



#24  
 1,1-Dichloroethane  
 Concen: 3.590 ug/l  
 RT: 6.111 min Scan# 738  
 Delta R.T. -0.006 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

Tgt Ion: 63 Resp: 30698  
 Ion Ratio Lower Upper  
 63 100  
 98 5.5 3.3 9.9  
 100 5.0 2.4 7.1

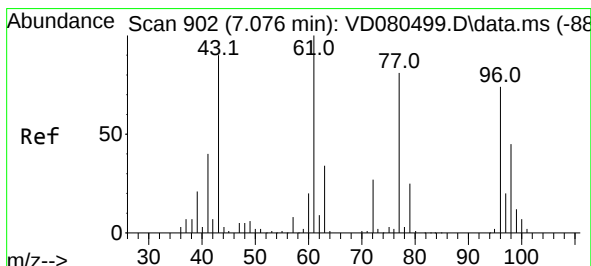
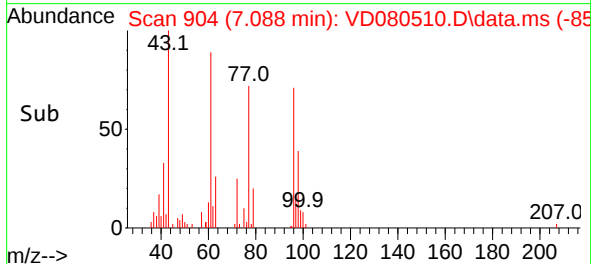
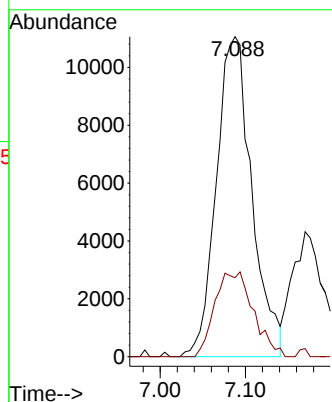
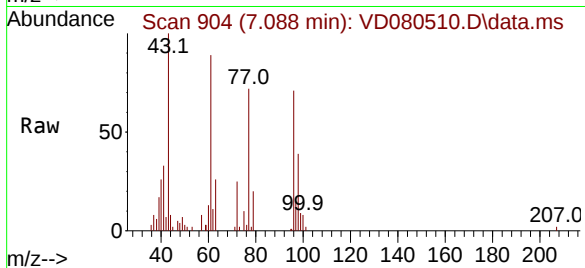




#25  
2-Butanone  
Concen: 22.615 ug/l  
RT: 7.088 min Scan# 904  
Delta R.T. 0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

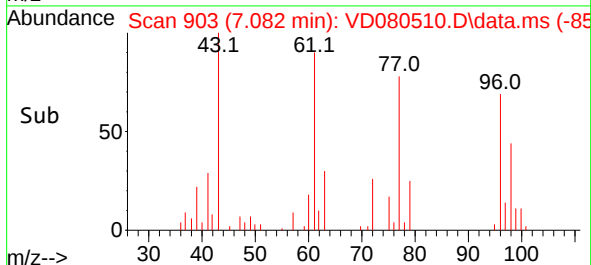
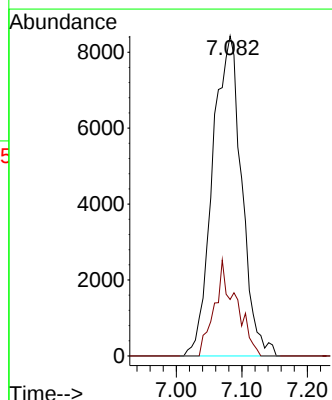
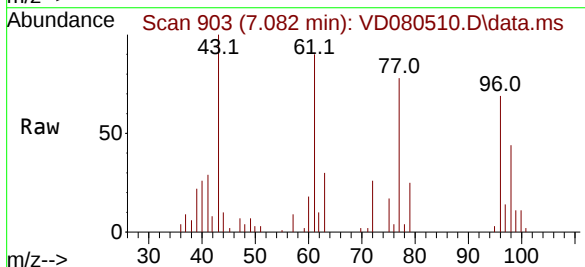
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

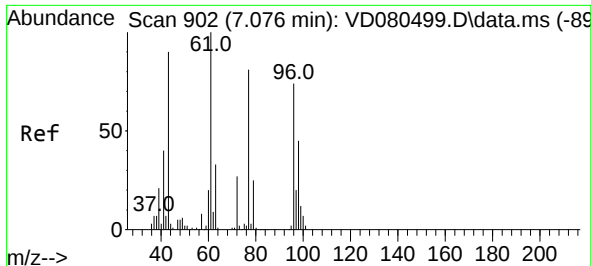
Tgt Ion: 43 Resp: 32034  
Ion Ratio Lower Upper  
43 100  
72 24.7 22.8 34.2



#26  
2,2-Dichloropropane  
Concen: 3.838 ug/l  
RT: 7.082 min Scan# 903  
Delta R.T. 0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 77 Resp: 25988  
Ion Ratio Lower Upper  
77 100  
97 22.5 12.4 37.0

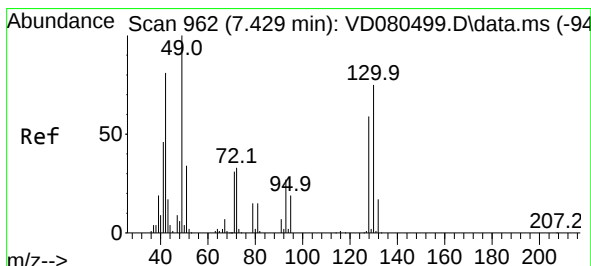
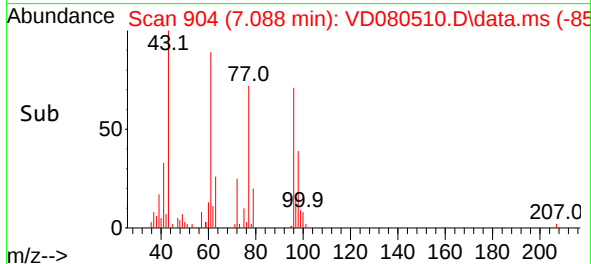
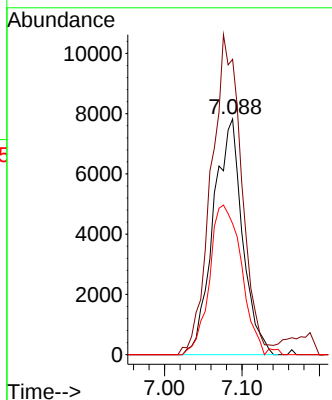
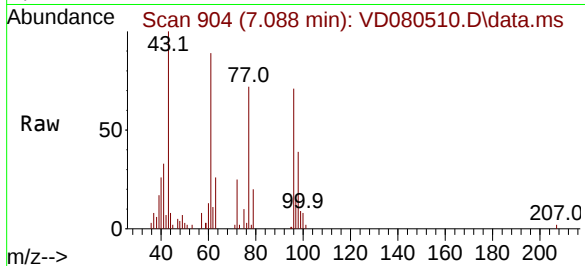




#27  
 cis-1,2-Dichloroethene  
 Concen: 3.625 ug/l  
 RT: 7.088 min Scan# 904  
 Delta R.T. 0.012 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

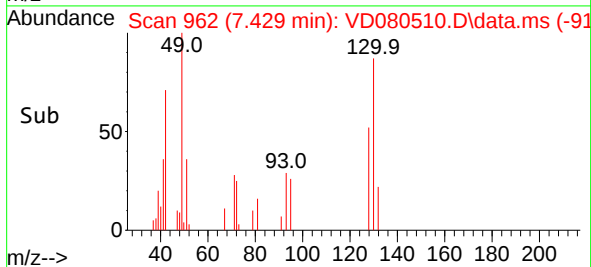
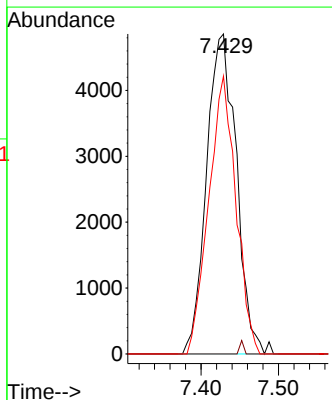
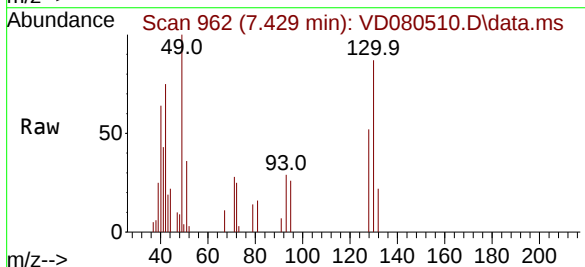
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT3-2025

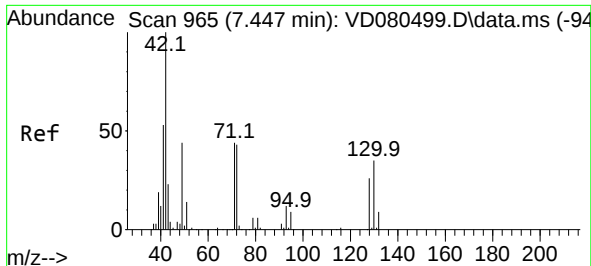
Tgt Ion: 96 Resp: 20485  
 Ion Ratio Lower Upper  
 96 100  
 61 141.2 0.0 275.2  
 98 69.8 0.0 128.8



#28  
 Bromochloromethane  
 Concen: 3.729 ug/l  
 RT: 7.429 min Scan# 962  
 Delta R.T. -0.000 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

Tgt Ion: 49 Resp: 12996  
 Ion Ratio Lower Upper  
 49 100  
 129 0.0 0.0 4.0  
 130 79.4 61.1 91.7





#29

Tetrahydrofuran

Concen: 19.404 ug/l

RT: 7.452 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

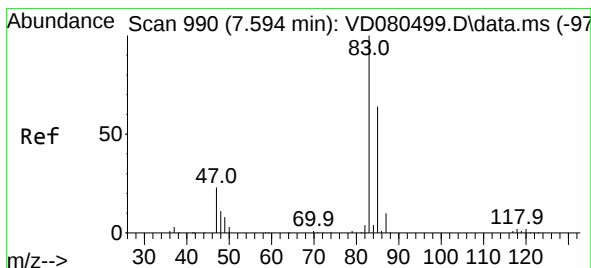
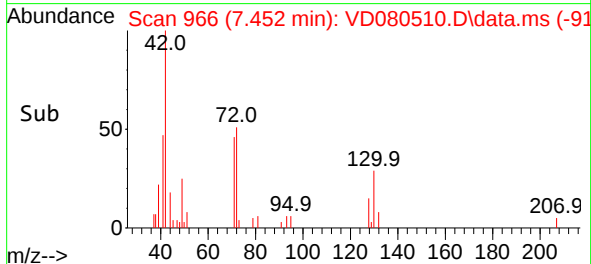
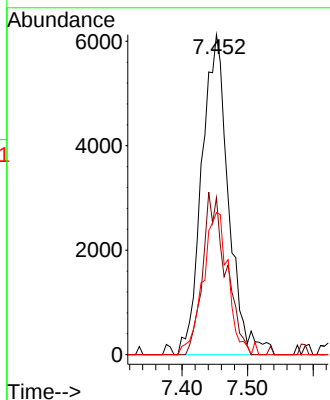
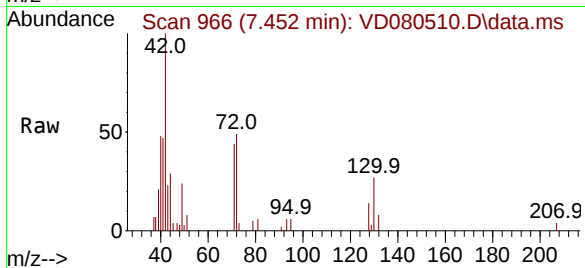
Tgt Ion: 42 Resp: 17369

Ion Ratio Lower Upper

42 100

72 44.3 34.7 52.1

71 41.9 32.9 49.3



#30

Chloroform

Concen: 3.764 ug/l

RT: 7.600 min Scan# 991

Delta R.T. 0.006 min

Lab File: VD080510.D

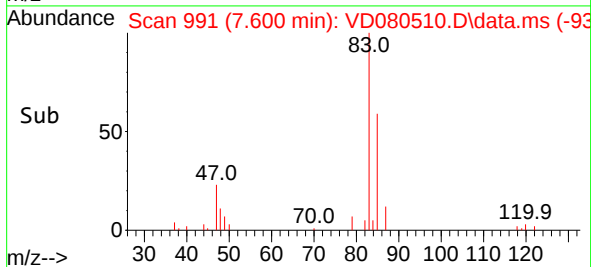
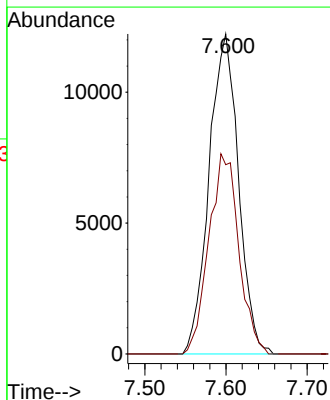
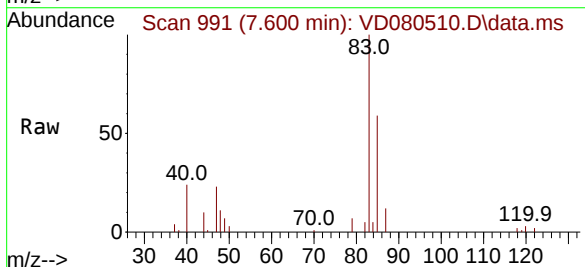
Acq: 04 Sep 2025 12:17

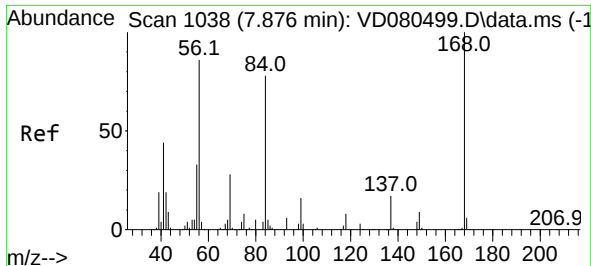
Tgt Ion: 83 Resp: 30780

Ion Ratio Lower Upper

83 100

85 59.1 51.2 76.8

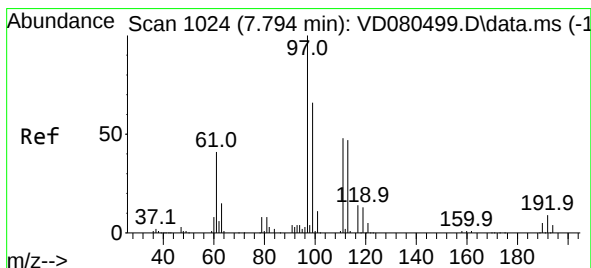
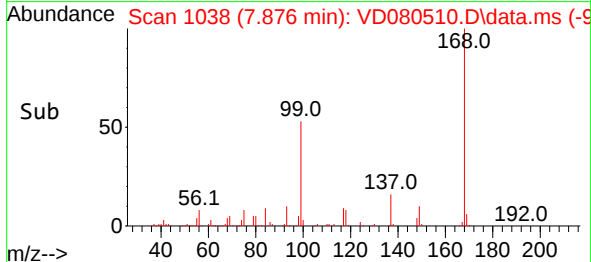
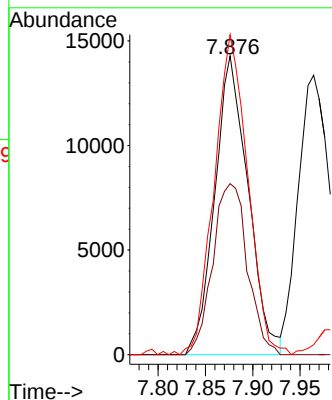
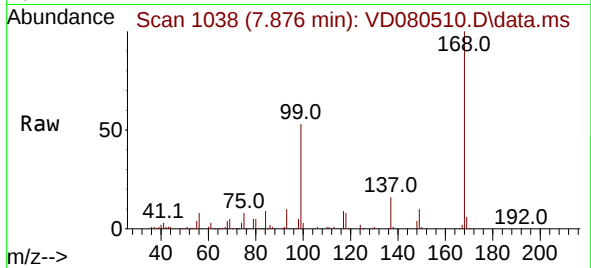




#31  
Cyclohexane  
Concen: 4.361 ug/l  
RT: 7.876 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

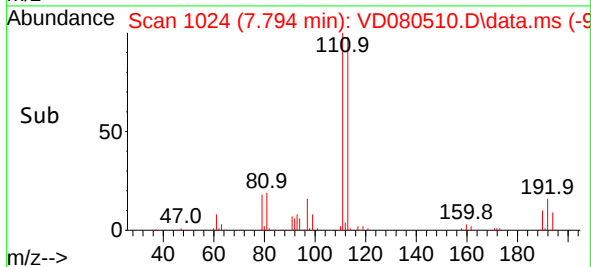
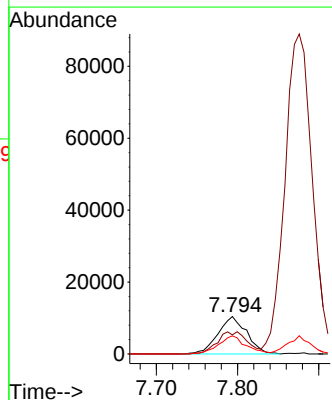
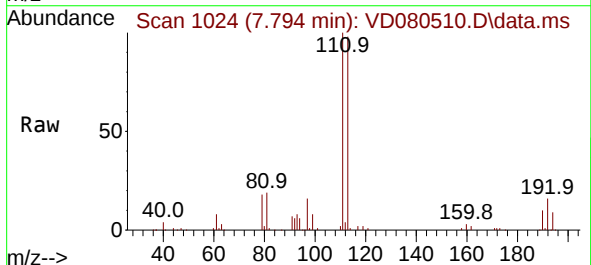
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

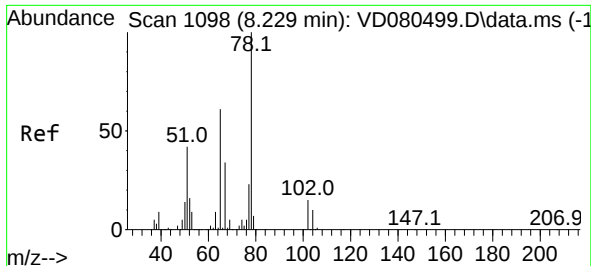
Tgt Ion: 56 Resp: 34907  
Ion Ratio Lower Upper  
56 100  
69 57.3 26.0 39.0#  
84 107.1 72.6 108.8



#32  
1,1,1-Trichloroethane  
Concen: 3.754 ug/l  
RT: 7.794 min Scan# 1024  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 97 Resp: 25559  
Ion Ratio Lower Upper  
97 100  
99 62.7 51.0 76.4  
61 45.8 33.6 50.4





#33

1,2-Dichloroethane-d4

Concen: 49.098 ug/l

RT: 8.229 min Scan# 1109

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

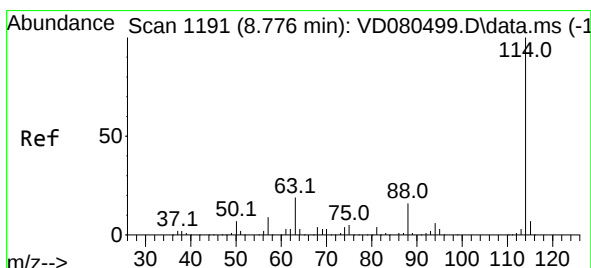
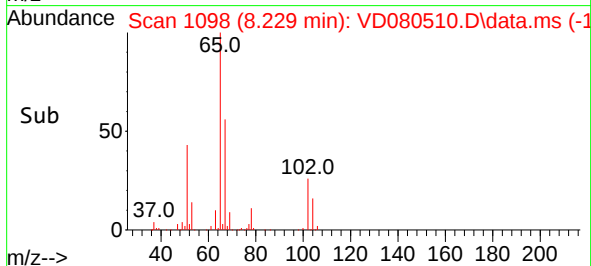
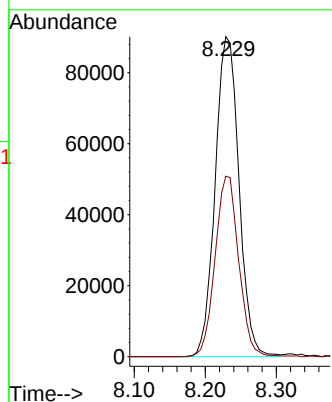
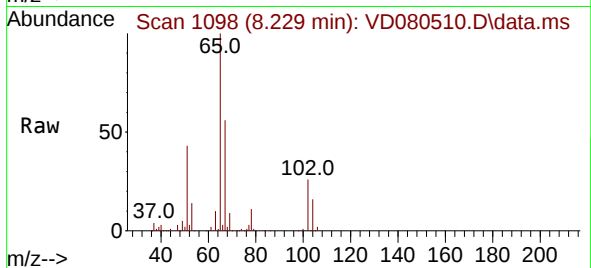
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 65 Resp: 209800

Ion Ratio Lower Upper

65 100

67 55.8 0.0 113.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

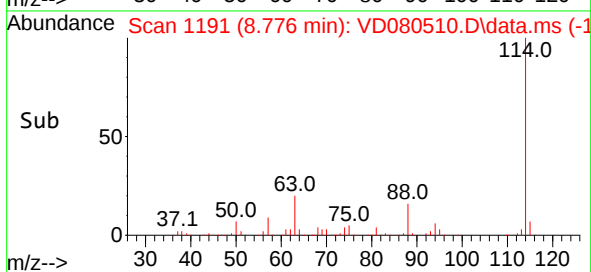
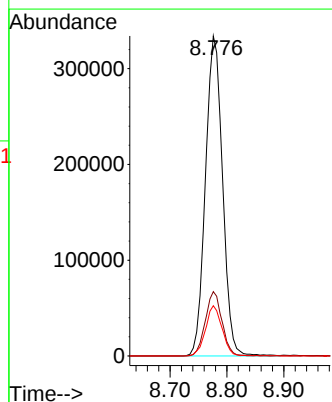
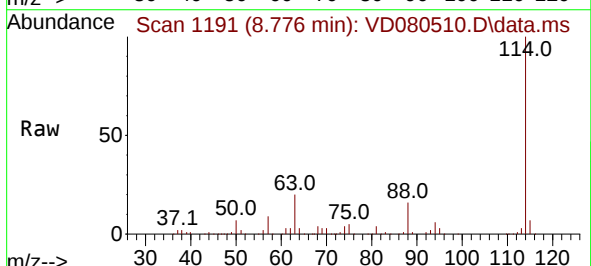
Tgt Ion: 114 Resp: 697232

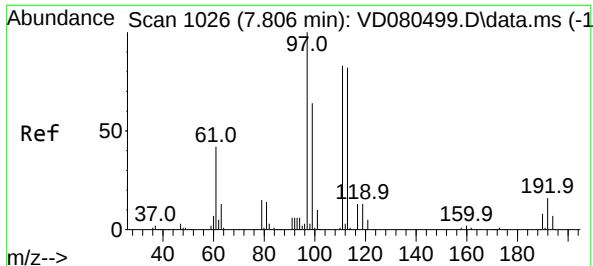
Ion Ratio Lower Upper

114 100

63 20.1 0.0 38.6

88 15.7 0.0 32.6





#35

Dibromofluoromethane

Concen: 45.932 ug/l

RT: 7.805 min Scan# 1026

Delta R.T. -0.001 min

Lab File: VD080510.D

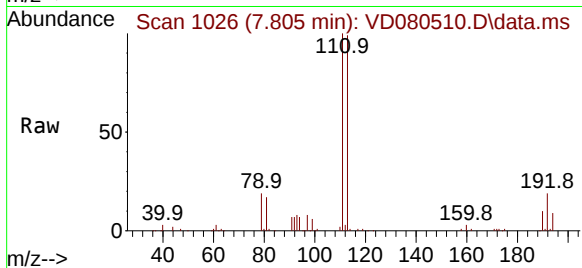
Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



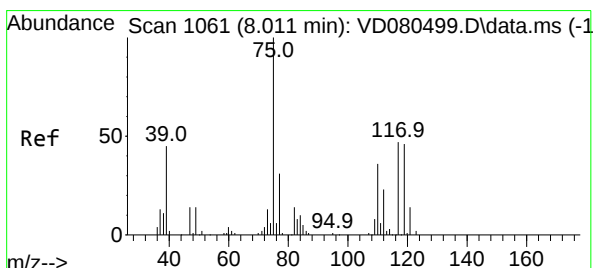
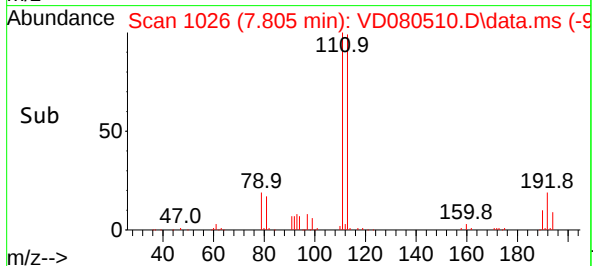
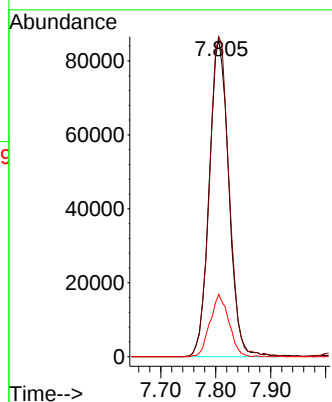
Tgt Ion:113 Resp: 211926

Ion Ratio Lower Upper

113 100

111 101.8 82.0 123.0

192 18.9 14.9 22.3



#36

1,1-Dichloropropene

Concen: 3.484 ug/l

RT: 8.011 min Scan# 1061

Delta R.T. 0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

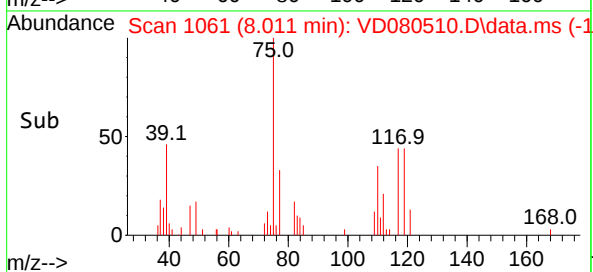
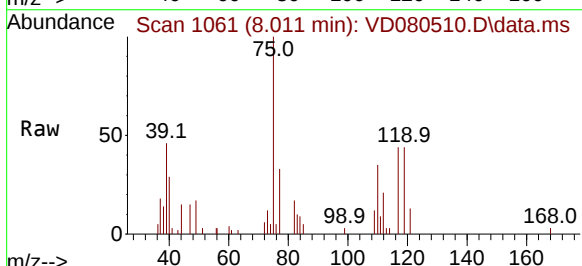
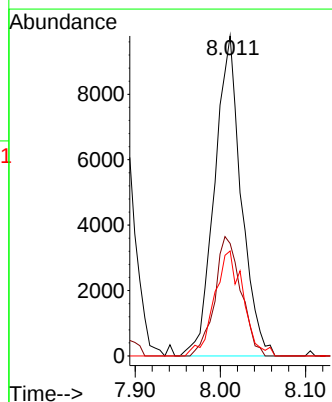
Tgt Ion: 75 Resp: 21287

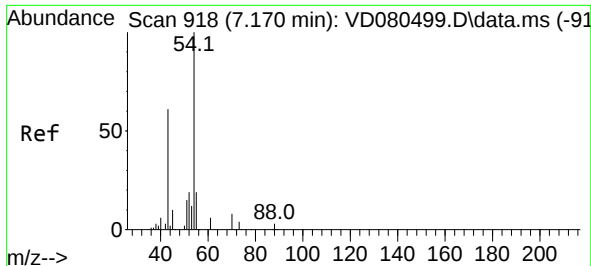
Ion Ratio Lower Upper

75 100

110 36.8 18.1 54.1

77 35.4 25.7 38.5

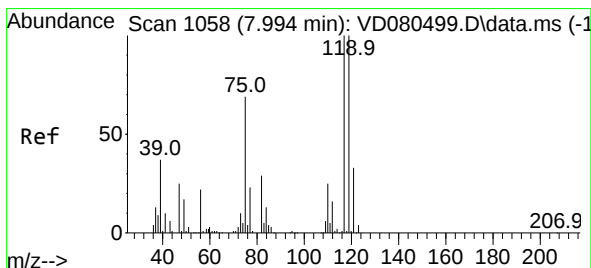
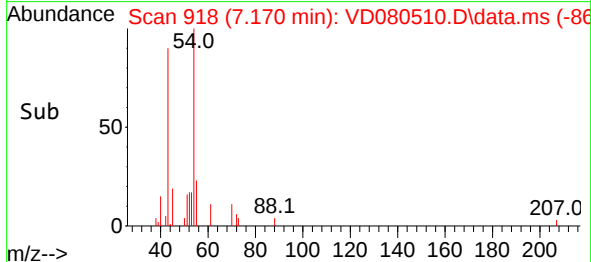
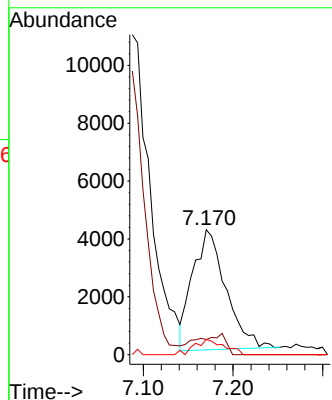
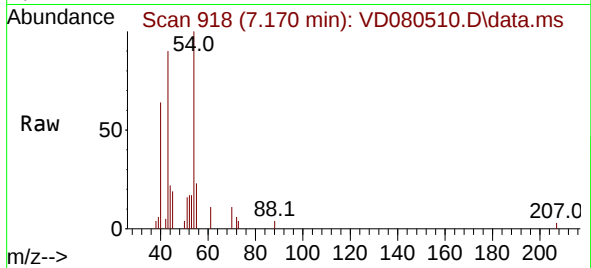




#37  
Ethyl Acetate  
Concen: 3.635 ug/l  
RT: 7.170 min Scan# 918  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

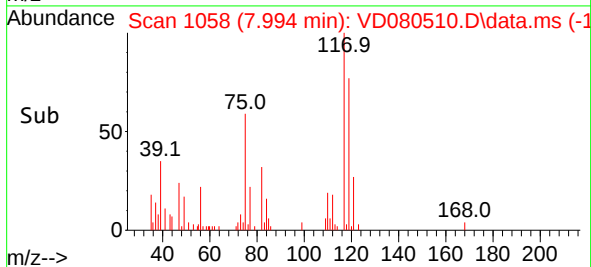
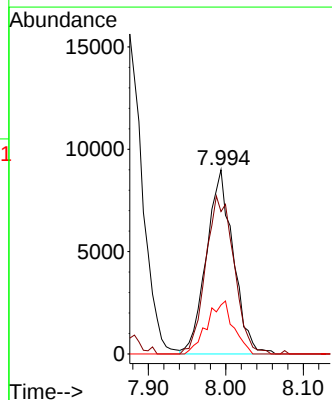
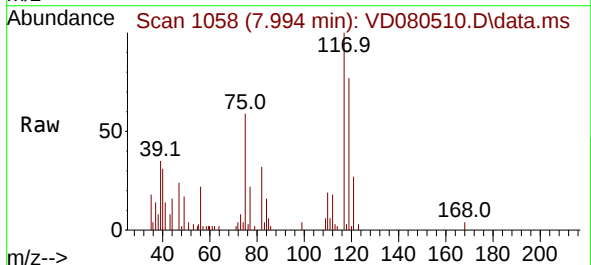
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

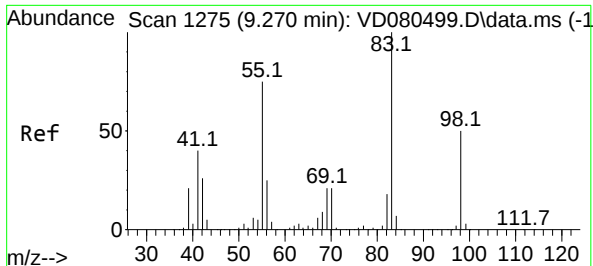
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 10680 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 15.6  | 11.8  | 17.8  |
| 70       | 11.3  | 9.0   | 13.4  |



#38  
Carbon Tetrachloride  
Concen: 3.720 ug/l  
RT: 7.994 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 21632  |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 77.3  | 80.2  | 120.2# |
| 121      | 26.6  | 26.8  | 40.2#  |





#39

Methylcyclohexane

Concen: 3.671 ug/l

RT: 9.276 min Scan# 1102

Delta R.T. 0.006 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

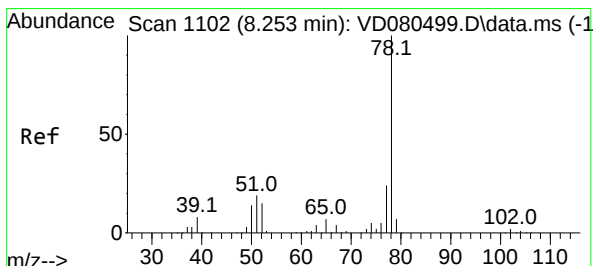
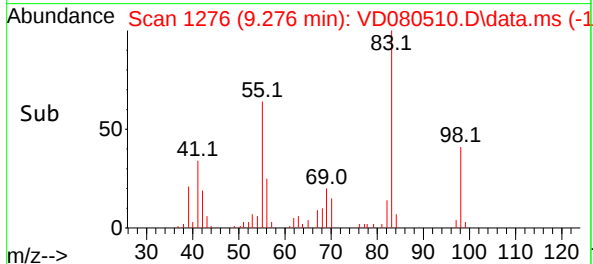
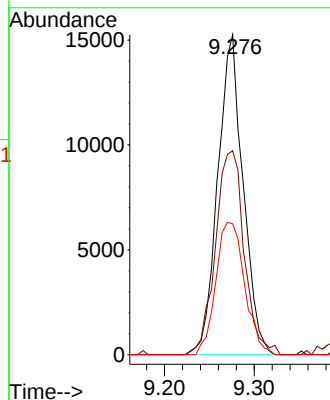
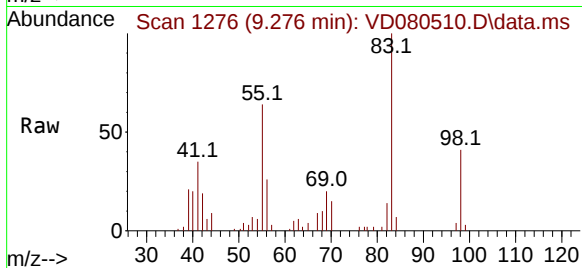
Tgt Ion: 83 Resp: 29856

Ion Ratio Lower Upper

83 100

55 63.7 60.4 90.6

98 40.9 39.8 59.6



#40

Benzene

Concen: 3.613 ug/l

RT: 8.252 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VD080510.D

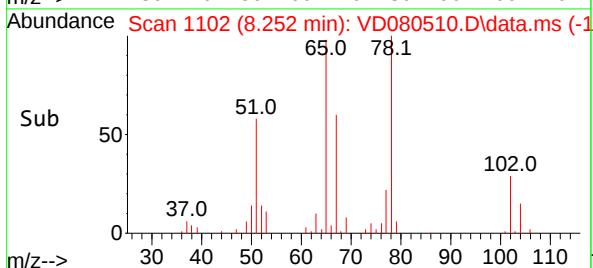
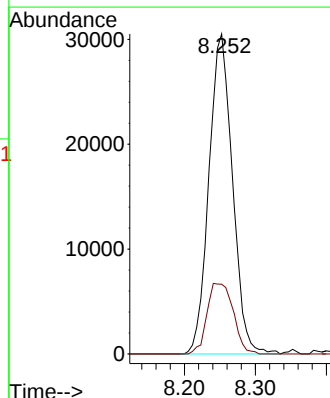
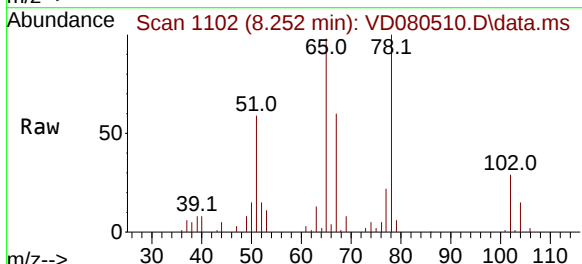
Acq: 04 Sep 2025 12:17

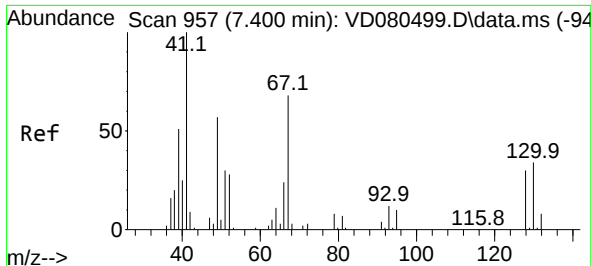
Tgt Ion: 78 Resp: 70258

Ion Ratio Lower Upper

78 100

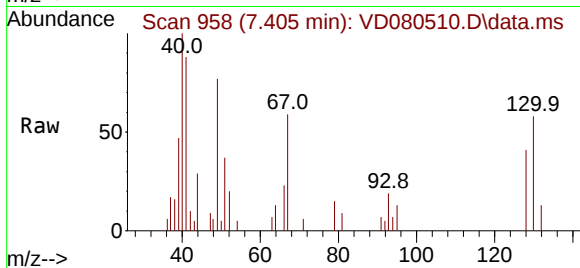
77 21.8 19.0 28.6



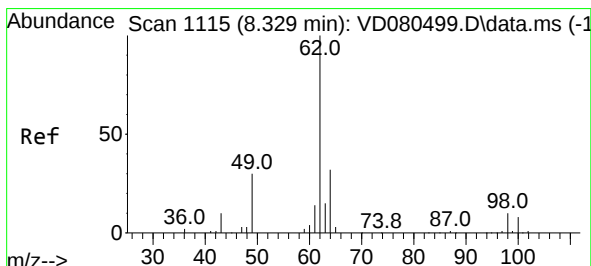
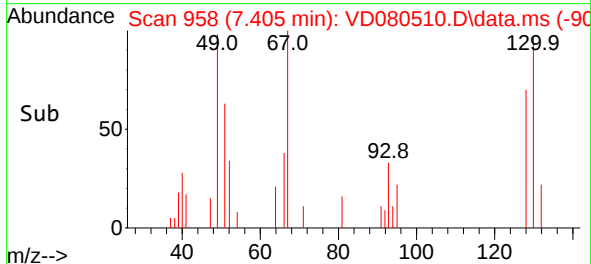
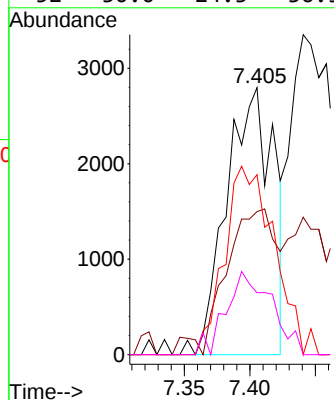


#41  
Methacrylonitrile  
Concen: 4.018 ug/l  
RT: 7.405 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

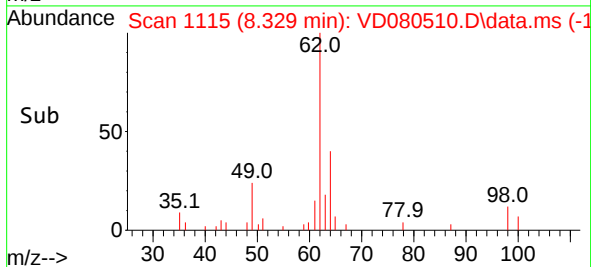
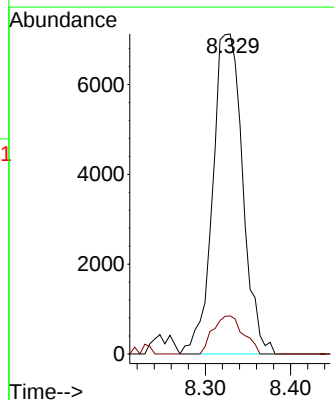
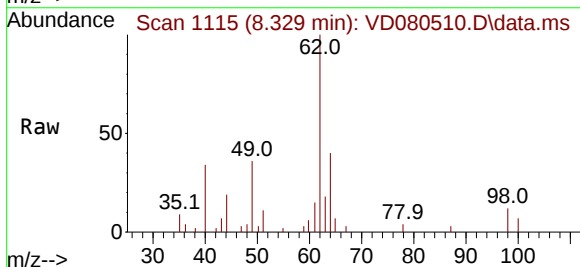


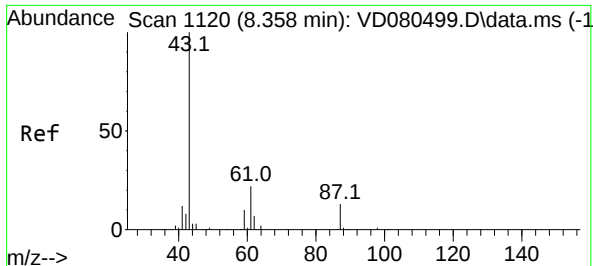
| Tgt Ion: | 41    | Resp: | 7009  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.8  | 50.1  | 75.1  |
| 67       | 74.5  | 60.8  | 91.2  |
| 52       | 30.0  | 24.3  | 36.5  |



#42  
1,2-Dichloroethane  
Concen: 3.693 ug/l  
RT: 8.329 min Scan# 1115  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

| Tgt Ion: | 62    | Resp: | 17392 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 12.0  | 0.0   | 22.0  |

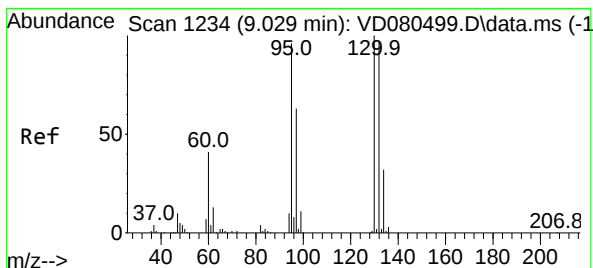
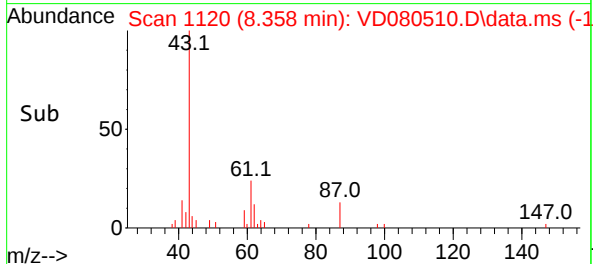
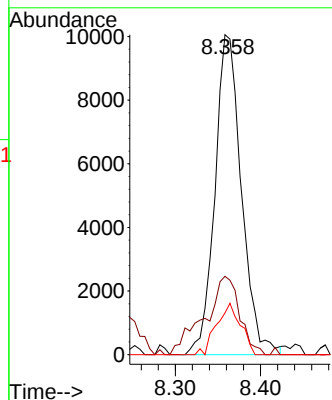
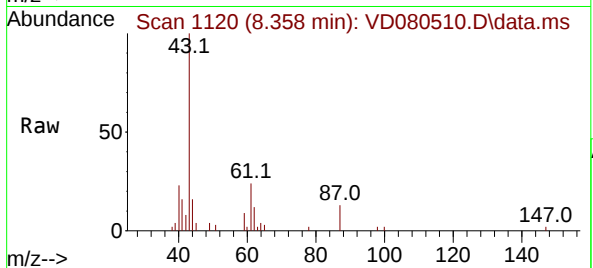




#43  
Isopropyl Acetate  
Concen: 3.650 ug/l  
RT: 8.358 min Scan# 1120  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

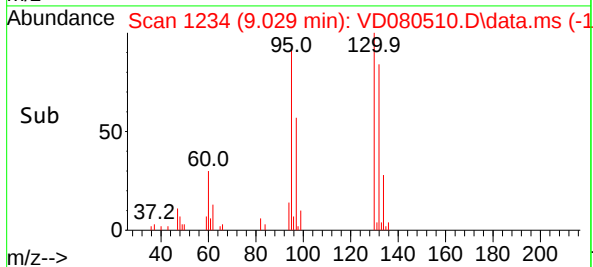
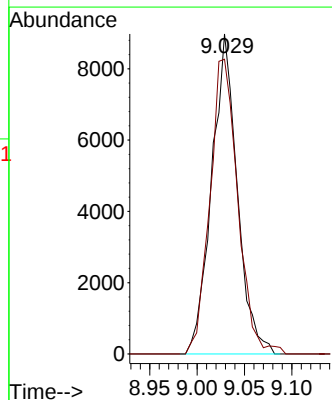
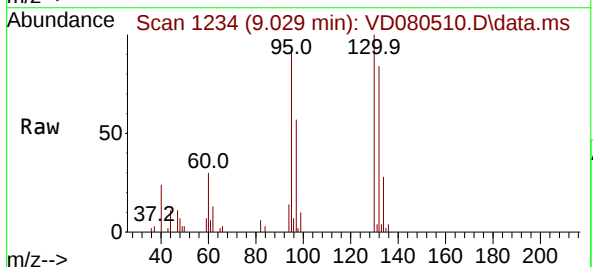
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

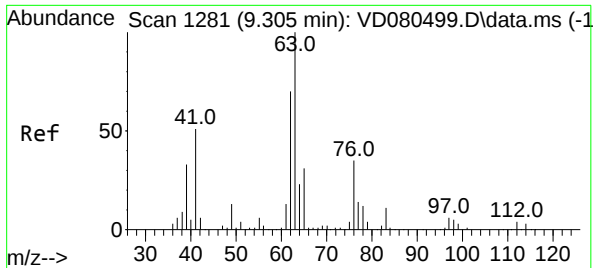
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 21820 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 32.3  | 24.3  | 36.5  |
| 87       | 14.5  | 10.9  | 16.3  |



#44  
Trichloroethene  
Concen: 3.580 ug/l  
RT: 9.029 min Scan# 1234  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 16887 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 92.1  | 0.0   | 191.8 |

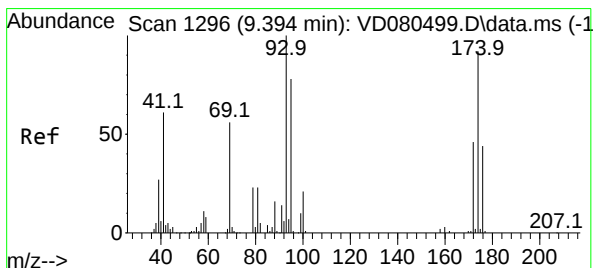
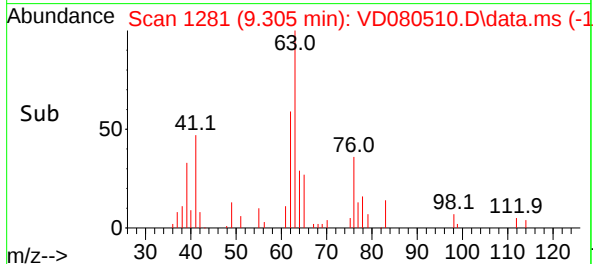
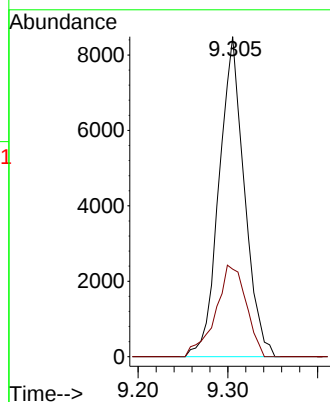
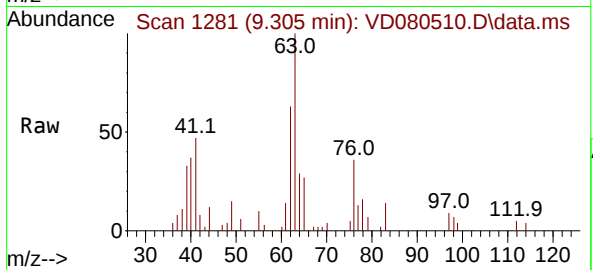




#45  
1,2-Dichloropropane  
Concen: 3.447 ug/l  
RT: 9.305 min Scan# 1281  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

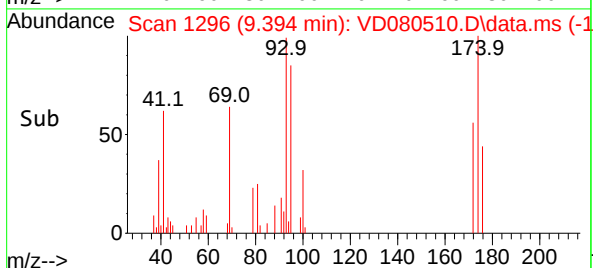
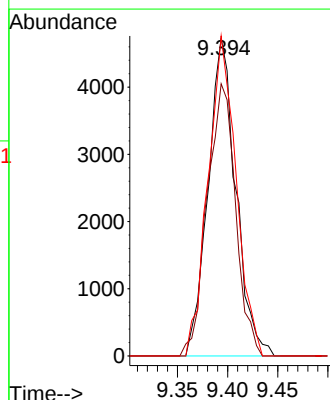
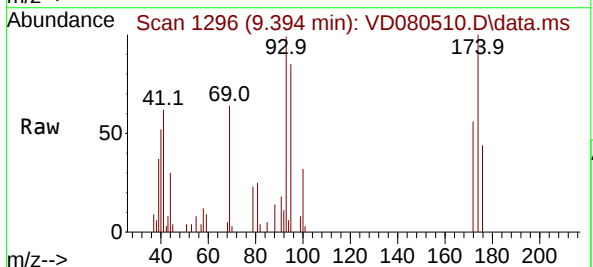
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

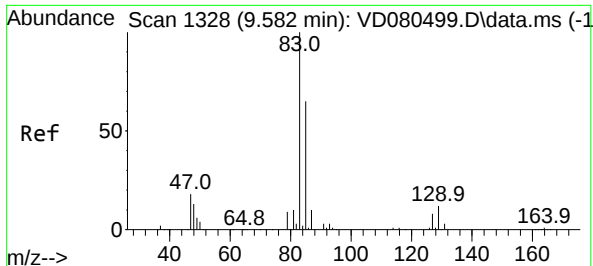
Tgt Ion: 63 Resp: 16624  
Ion Ratio Lower Upper  
63 100  
65 27.4 24.9 37.3



#46  
Dibromomethane  
Concen: 3.524 ug/l  
RT: 9.394 min Scan# 1296  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 93 Resp: 9104  
Ion Ratio Lower Upper  
93 100  
95 87.7 66.3 99.5  
174 101.6 74.8 112.2

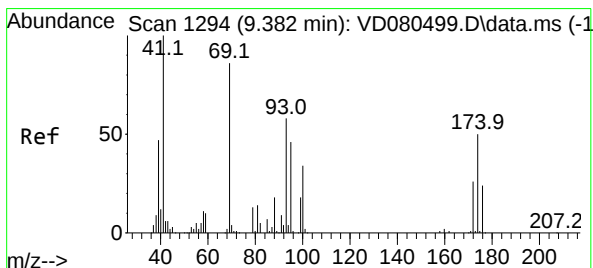
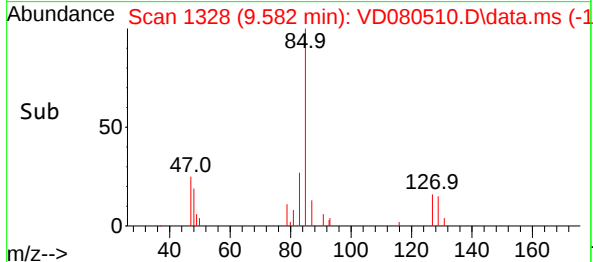
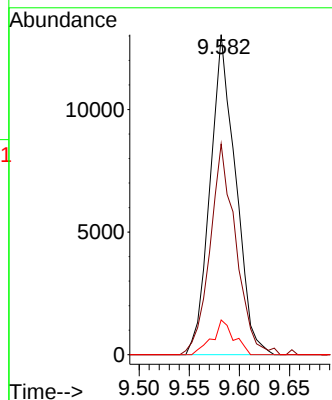
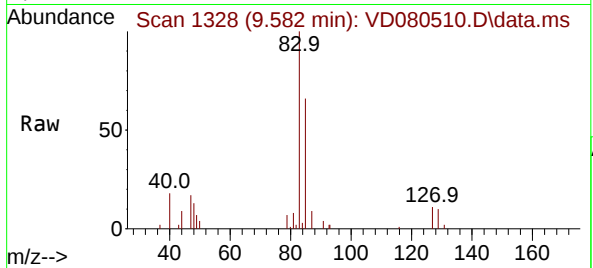




#47  
Bromodichloromethane  
Concen: 3.667 ug/l  
RT: 9.582 min Scan# 1328  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

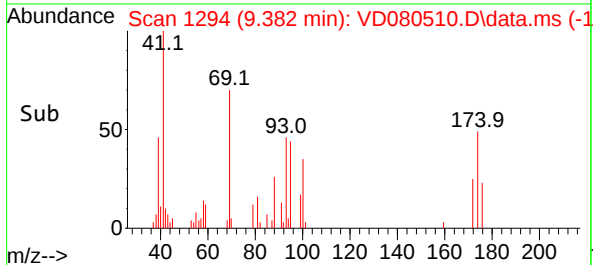
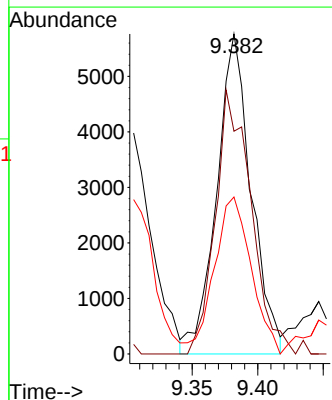
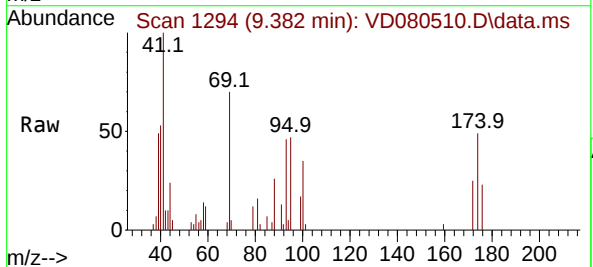
Instrument : MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

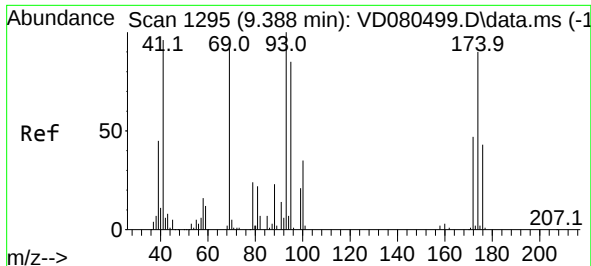
Tgt Ion: 83 Resp: 23095  
Ion Ratio Lower Upper  
83 100  
85 65.8 52.2 78.2  
127 10.8 6.6 9.8



#48  
Methyl methacrylate  
Concen: 3.560 ug/l  
RT: 9.382 min Scan# 1294  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 41 Resp: 10549  
Ion Ratio Lower Upper  
41 100  
69 85.3 68.7 103.1  
39 52.8 36.5 54.7





#49

1,4-Dioxane

Concen: 87.224 ug/l

RT: 9.382 min Scan# 1295

Delta R.T. -0.006 min

Lab File: VD080510.D

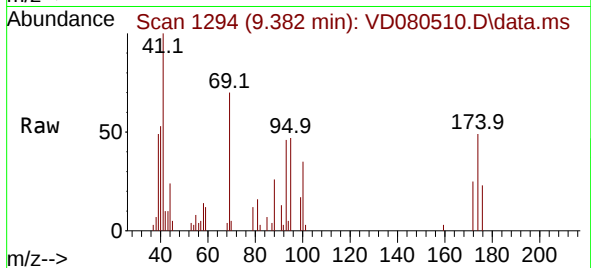
Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



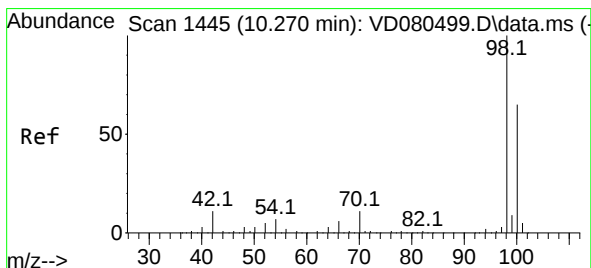
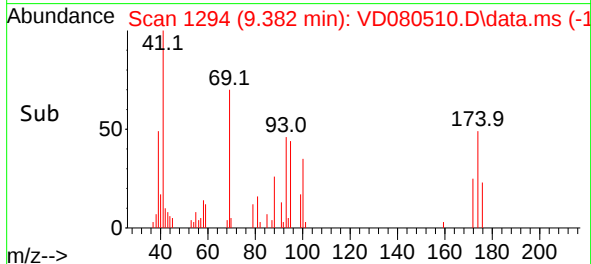
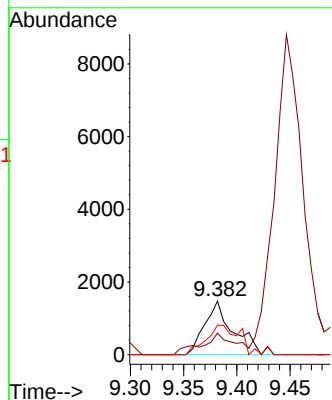
Tgt Ion: 88 Resp: 2786

Ion Ratio Lower Upper

88 100

43 45.9 26.1 39.1#

58 62.9 54.2 81.2



#50

Toluene-d8

Concen: 44.878 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. -0.000 min

Lab File: VD080510.D

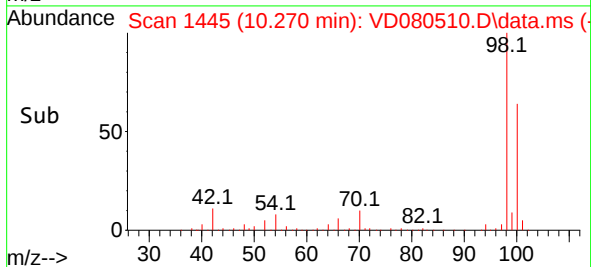
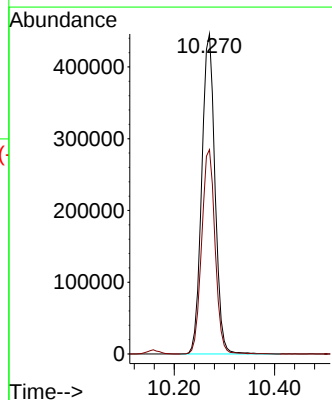
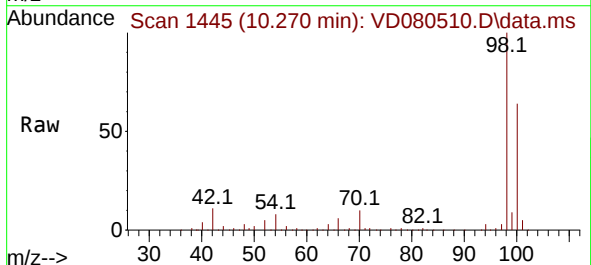
Acq: 04 Sep 2025 12:17

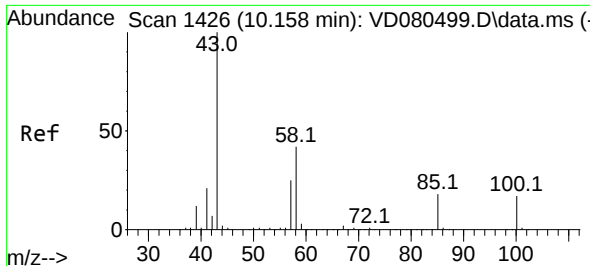
Tgt Ion: 98 Resp: 817376

Ion Ratio Lower Upper

98 100

100 64.7 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 18.989 ug/l

RT: 10.158 min Scan# 1426

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

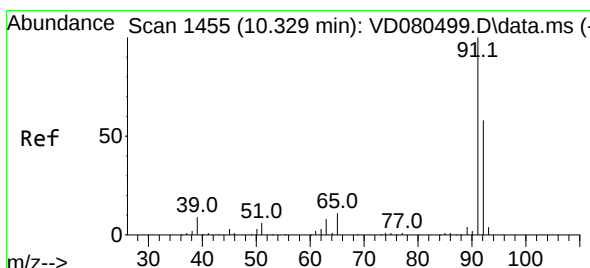
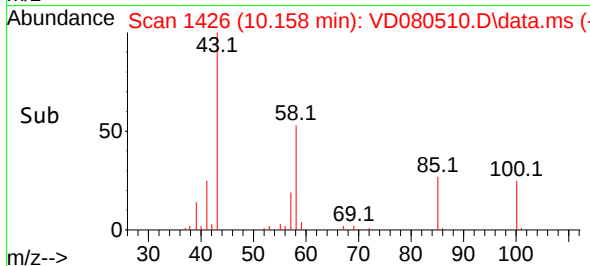
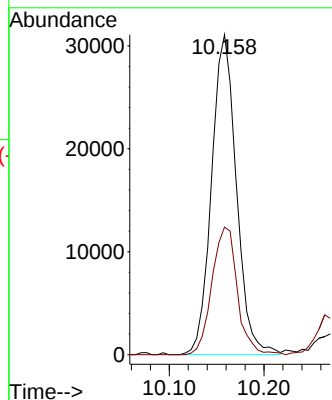
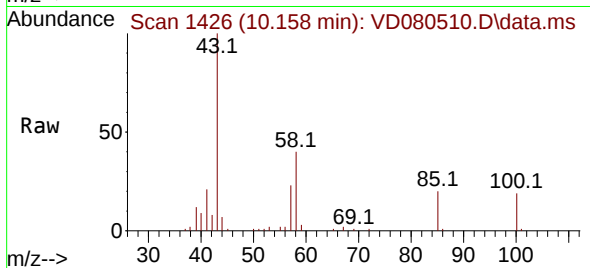
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 43 Resp: 56612

Ion Ratio Lower Upper

43 100

58 40.7 32.8 49.2



#52

Toluene

Concen: 3.588 ug/l

RT: 10.335 min Scan# 1456

Delta R.T. 0.006 min

Lab File: VD080510.D

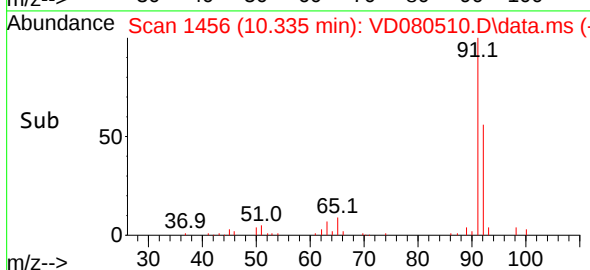
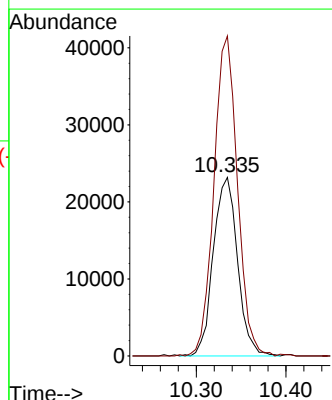
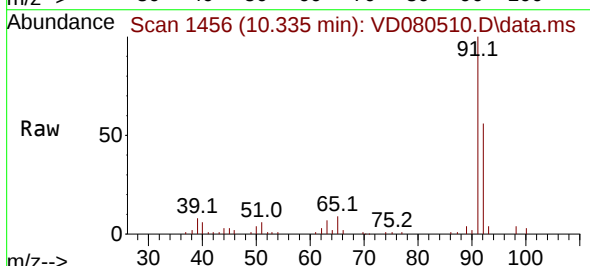
Acq: 04 Sep 2025 12:17

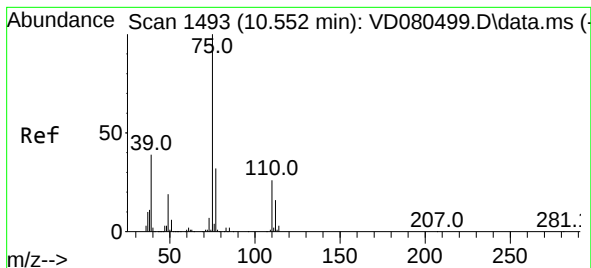
Tgt Ion: 92 Resp: 43512

Ion Ratio Lower Upper

92 100

91 174.1 138.8 208.2

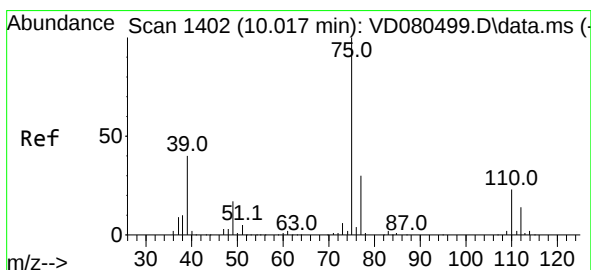
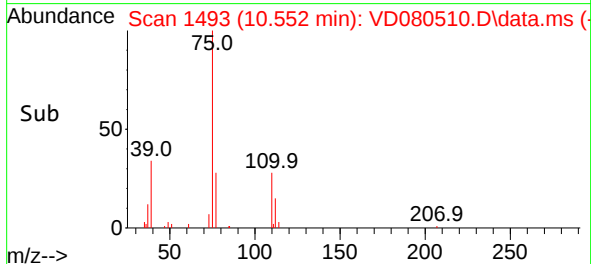
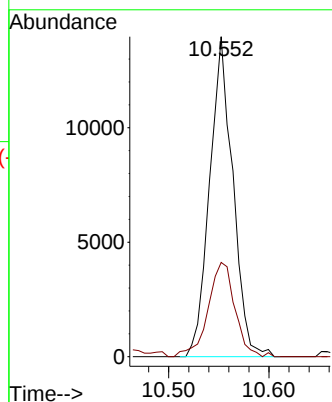
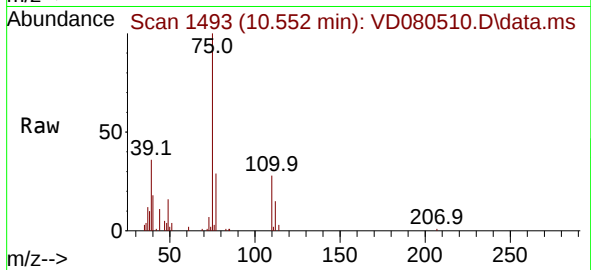




#53  
t-1,3-Dichloropropene  
Concen: 3.507 ug/l  
RT: 10.552 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

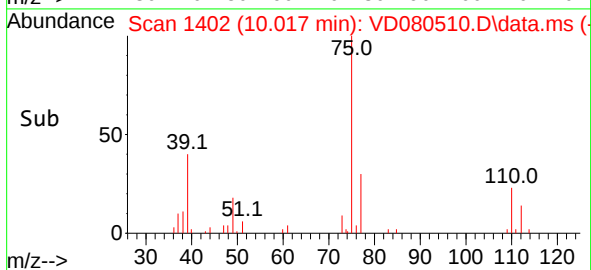
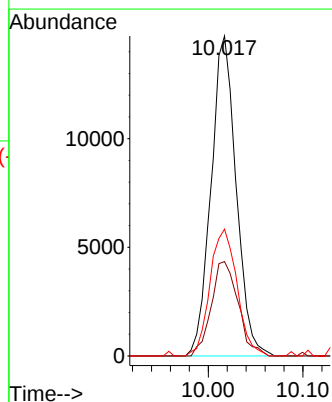
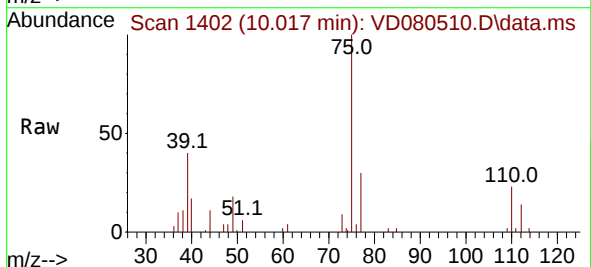
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

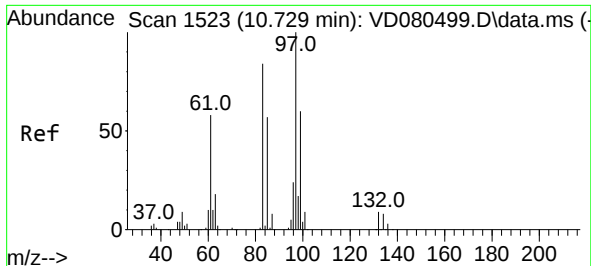
Tgt Ion: 75 Resp: 22512  
Ion Ratio Lower Upper  
75 100  
77 29.5 25.9 38.9



#54  
cis-1,3-Dichloropropene  
Concen: 3.534 ug/l  
RT: 10.017 min Scan# 1402  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 75 Resp: 27128  
Ion Ratio Lower Upper  
75 100  
77 29.5 24.2 36.4  
39 39.6 31.8 47.6

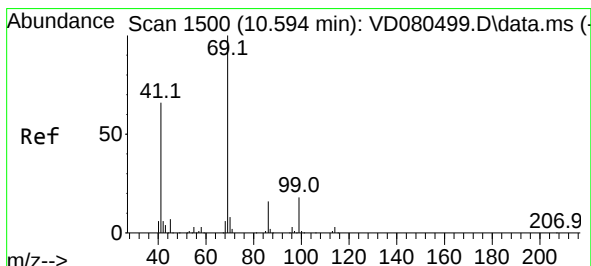
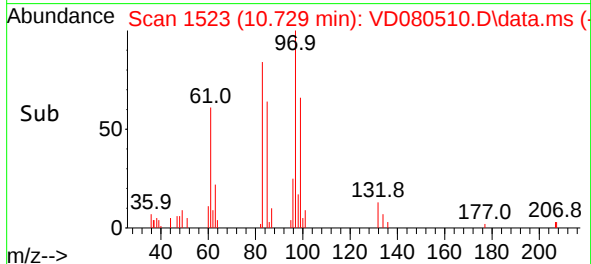
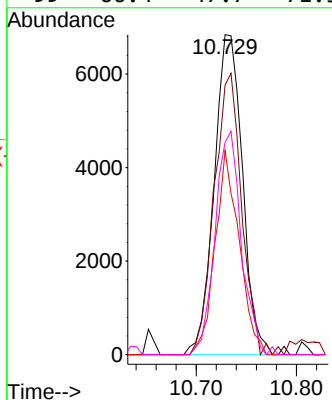
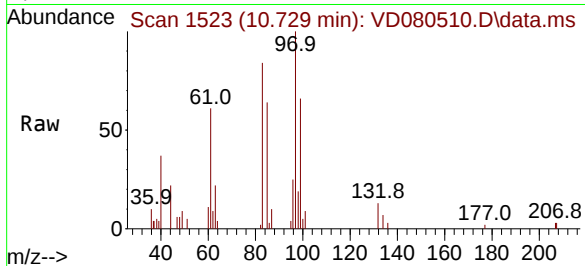




#55  
1,1,2-Trichloroethane  
Concen: 3.866 ug/l  
RT: 10.729 min Scan# 1523  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

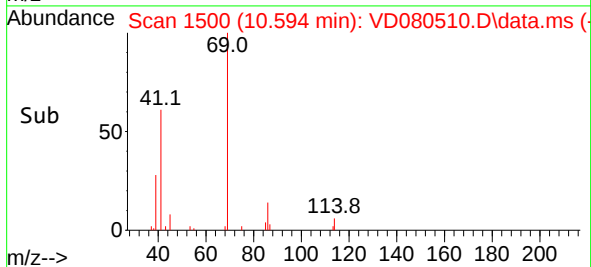
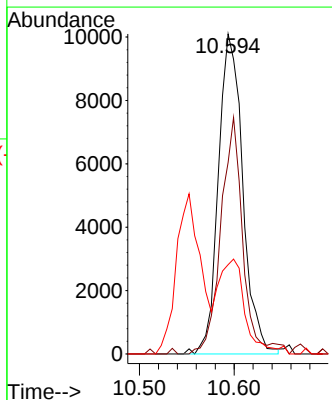
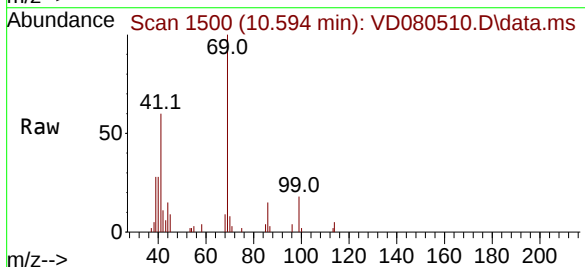
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

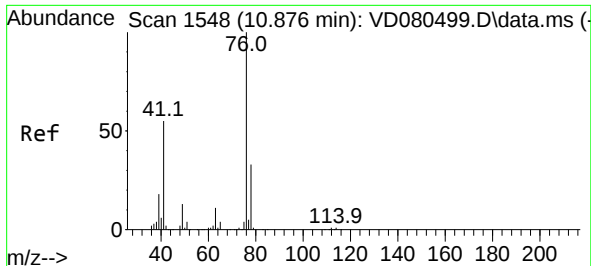
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 13391 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 84.3  | 67.0  | 100.6 |
| 85       | 63.8  | 45.6  | 68.4  |
| 99       | 66.4  | 47.7  | 71.5  |



#56  
Ethyl methacrylate  
Concen: 3.740 ug/l  
RT: 10.594 min Scan# 1500  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 18050 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 64.8  | 51.9  | 77.9  |
| 39       | 32.5  | 23.6  | 35.4  |





#57

1,3-Dichloropropane

Concen: 3.655 ug/l

RT: 10.876 min Scan# 1548

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

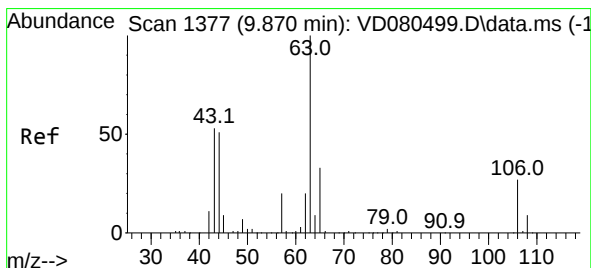
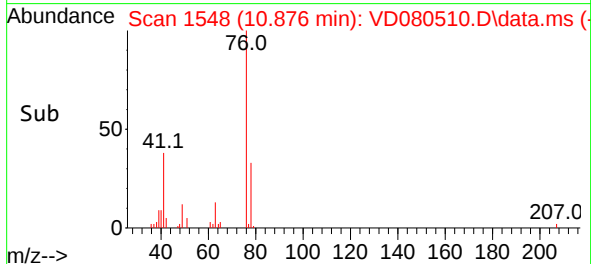
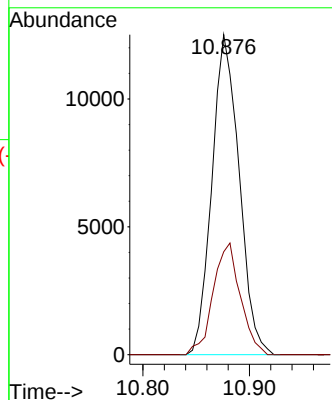
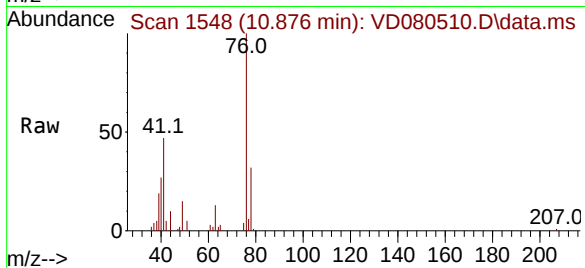
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion: 76 Resp: 22220

Ion Ratio Lower Upper

76 100

78 34.8 26.9 40.3



#58

2-Chloroethyl Vinyl ether

Concen: 18.119 ug/l

RT: 9.870 min Scan# 1377

Delta R.T. -0.000 min

Lab File: VD080510.D

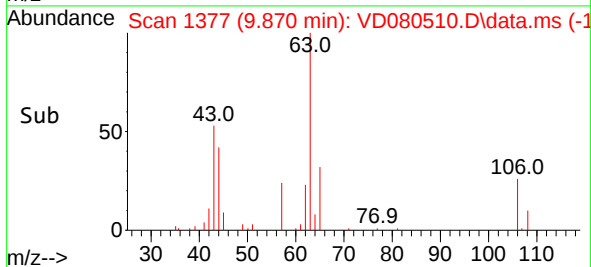
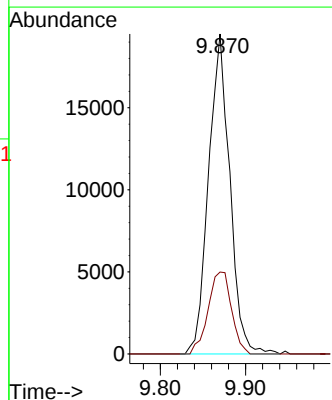
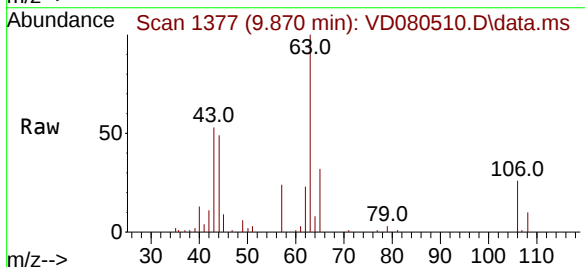
Acq: 04 Sep 2025 12:17

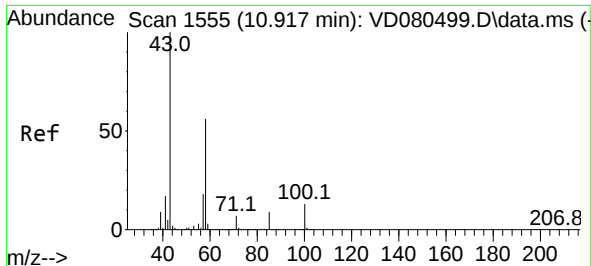
Tgt Ion: 63 Resp: 33841

Ion Ratio Lower Upper

63 100

106 28.1 22.1 33.1

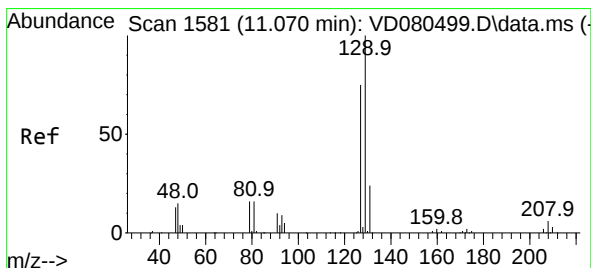
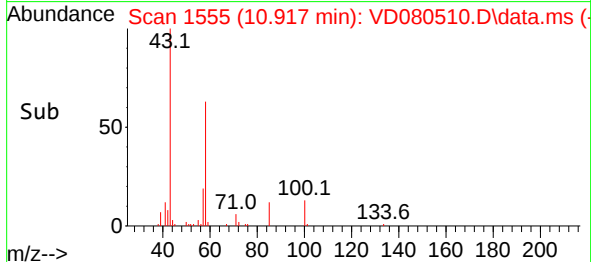
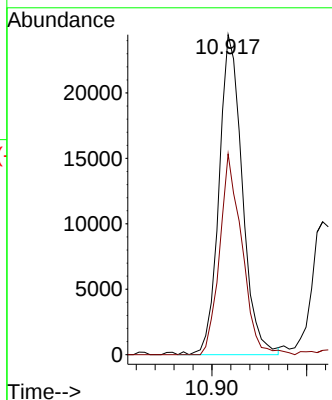
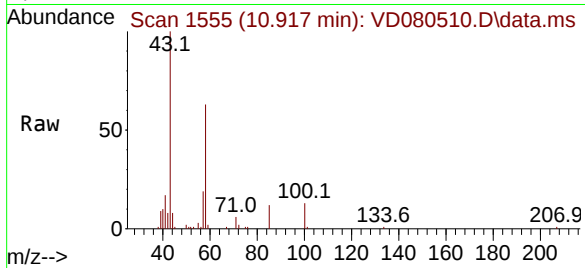




#59  
2-Hexanone  
Concen: 19.718 ug/l  
RT: 10.917 min Scan# 1555  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

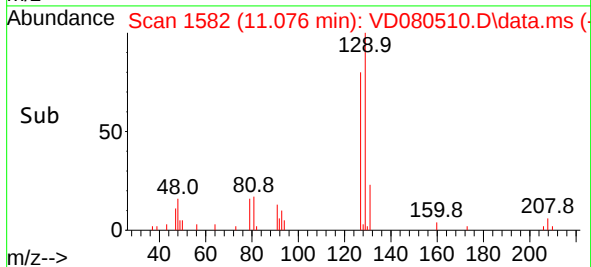
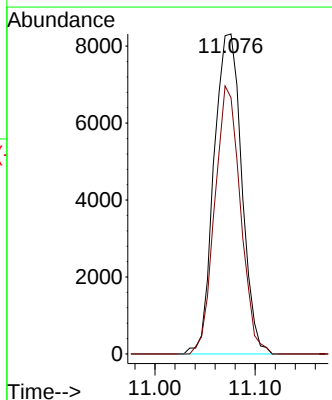
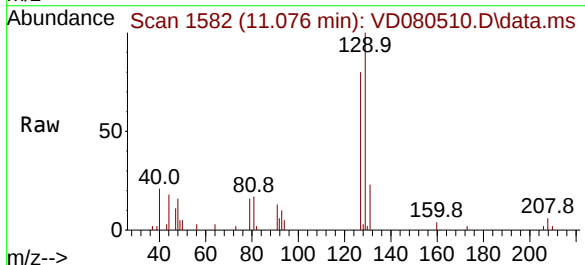
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

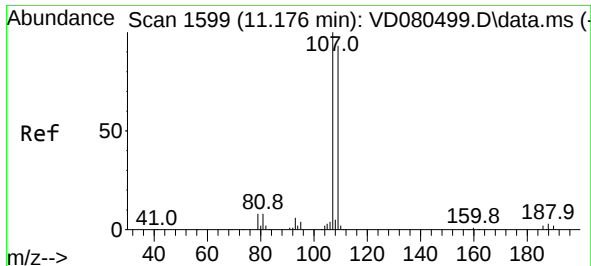
Tgt Ion: 43 Resp: 41769  
Ion Ratio Lower Upper  
43 100  
58 60.0 28.3 85.0



#60  
Dibromochloromethane  
Concen: 3.660 ug/l  
RT: 11.076 min Scan# 1582  
Delta R.T. 0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 129 Resp: 15977  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.6 115.7

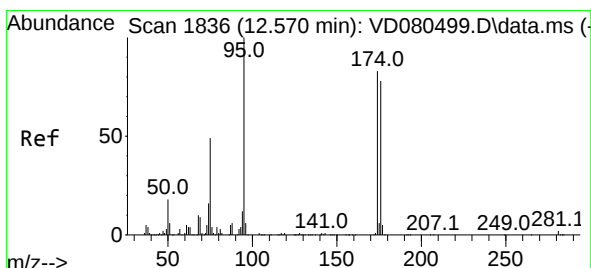
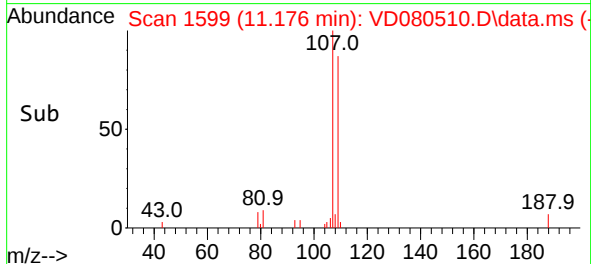
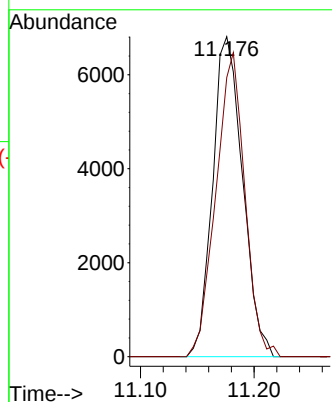
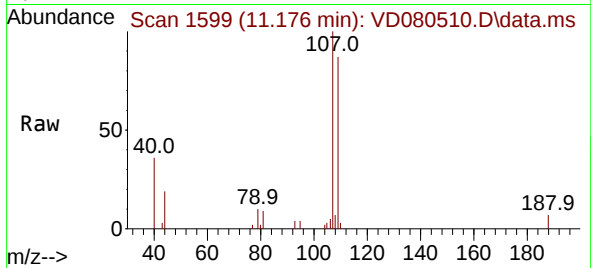




#61  
1,2-Dibromoethane  
Concen: 3.790 ug/l  
RT: 11.176 min Scan# 1599  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

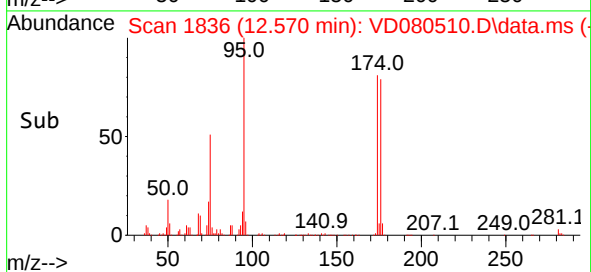
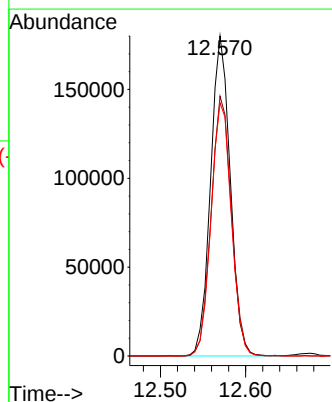
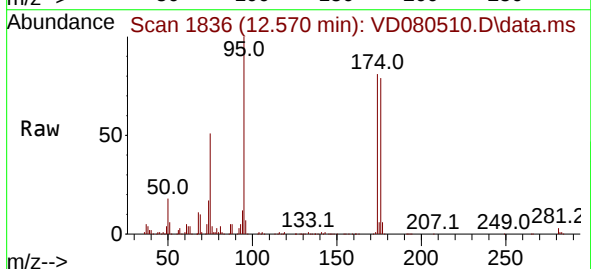
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

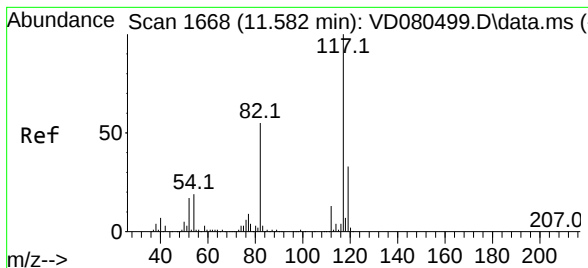
Tgt Ion:107 Resp: 12491  
Ion Ratio Lower Upper  
107 100  
109 91.7 74.9 112.3



#62  
4-Bromofluorobenzene  
Concen: 48.644 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 95 Resp: 288542  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 162.6  
176 81.5 0.0 156.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.582 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD080510.D

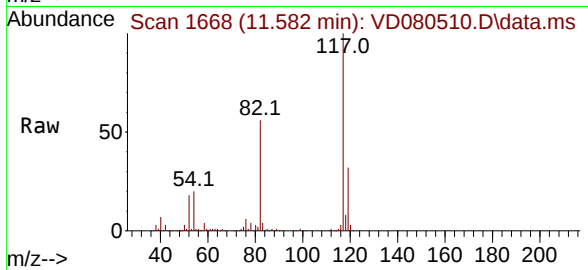
Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



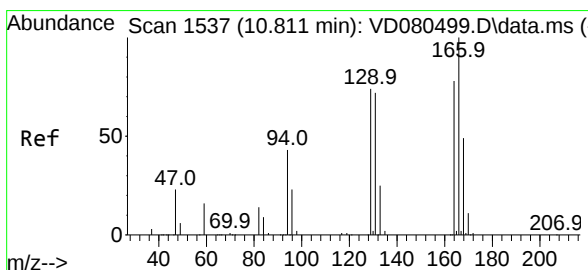
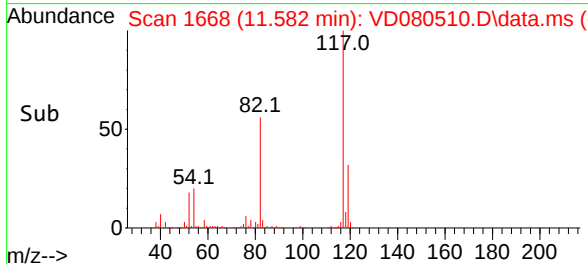
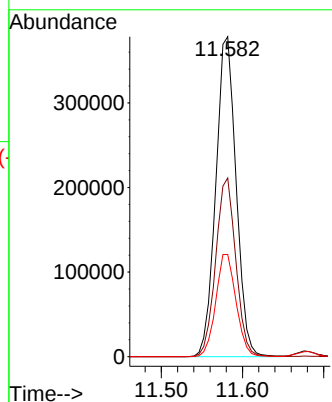
Tgt Ion:117 Resp: 659445

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.6

119 31.9 26.1 39.1



#64

Tetrachloroethene

Concen: 3.537 ug/l

RT: 10.811 min Scan# 1537

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Tgt Ion:164 Resp: 14406

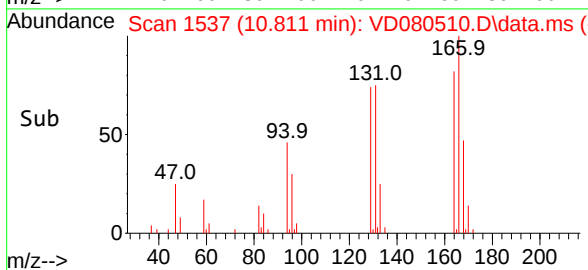
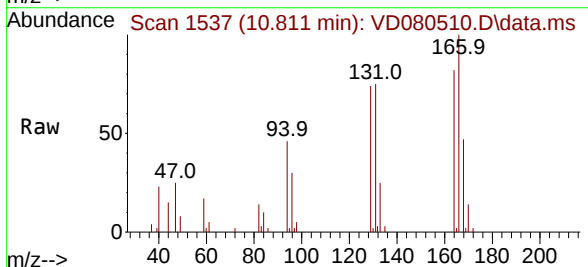
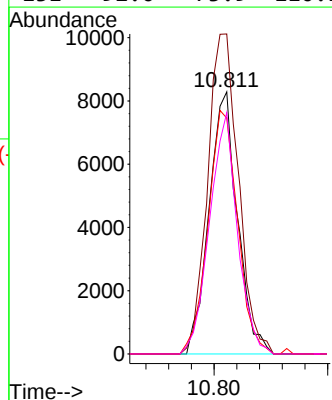
Ion Ratio Lower Upper

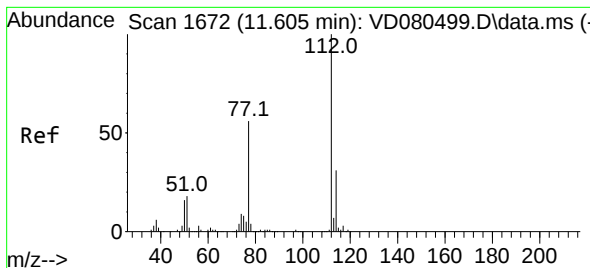
164 100

166 122.1 103.1 154.7

129 90.0 76.2 114.2

131 92.0 73.9 110.9





#65

Chlorobenzene

Concen: 3.510 ug/l

RT: 11.605 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

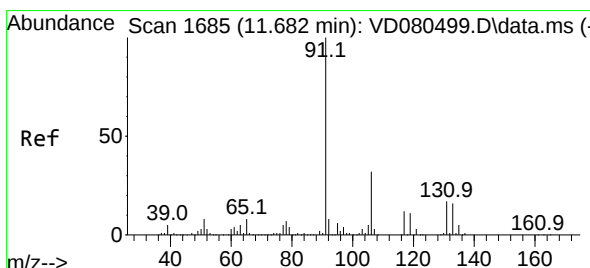
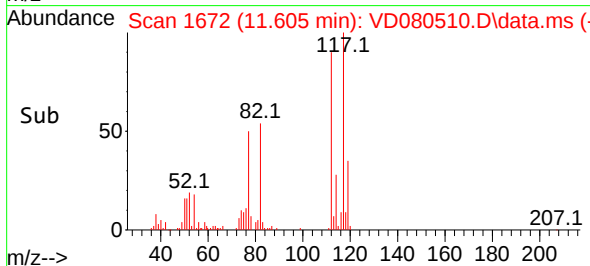
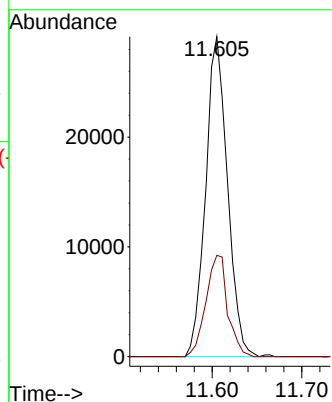
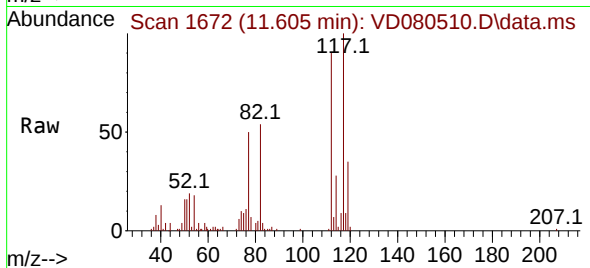
LOD-MDL-SOIL-01-QT3-2025

Tgt Ion:112 Resp: 49326

Ion Ratio Lower Upper

112 100

114 31.6 24.9 37.3



#66

1,1,1,2-Tetrachloroethane

Concen: 3.583 ug/l

RT: 11.676 min Scan# 1684

Delta R.T. -0.006 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

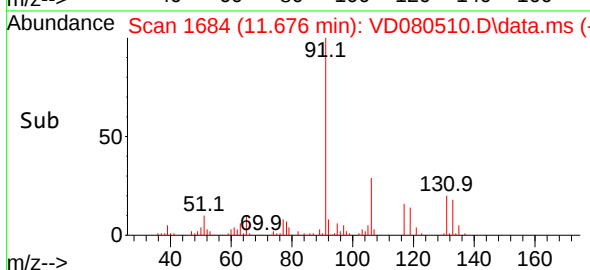
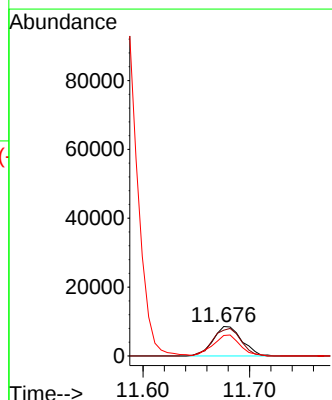
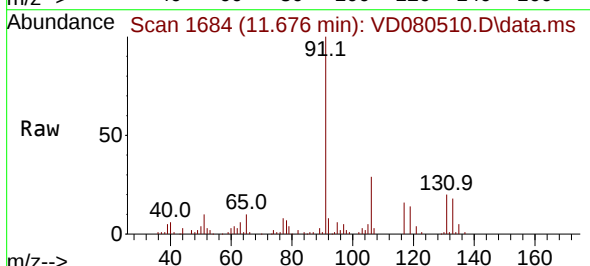
Tgt Ion:131 Resp: 16060

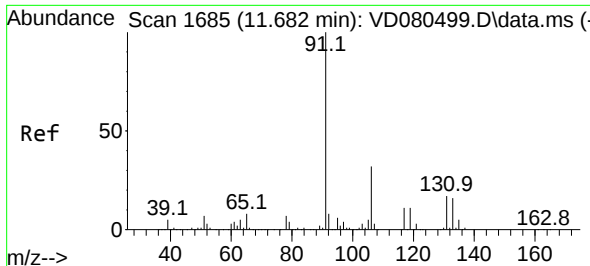
Ion Ratio Lower Upper

131 100

133 91.5 47.8 143.3

119 66.5 34.6 103.9

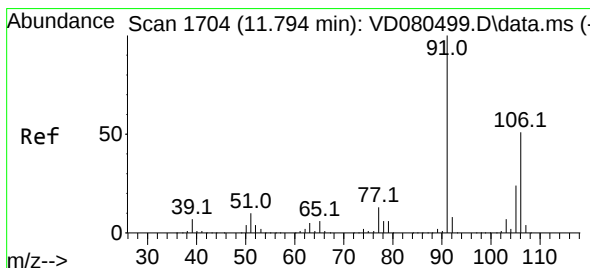
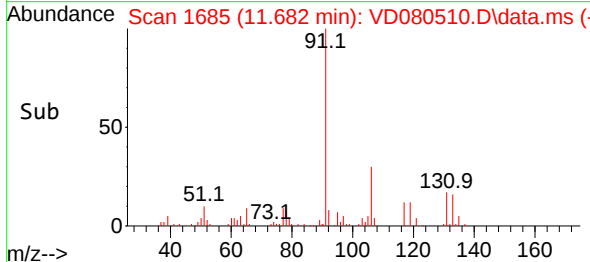
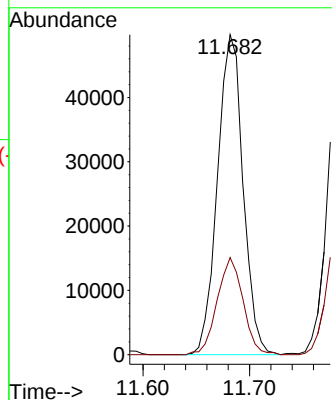
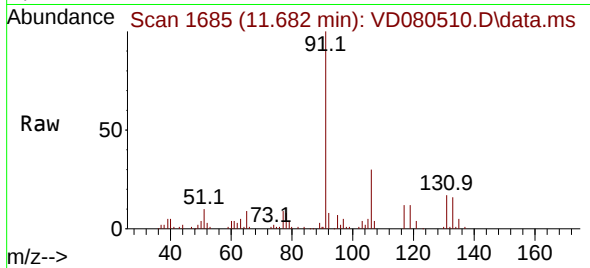




#67  
Ethyl Benzene  
Concen: 3.416 ug/l  
RT: 11.682 min Scan# 1703  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

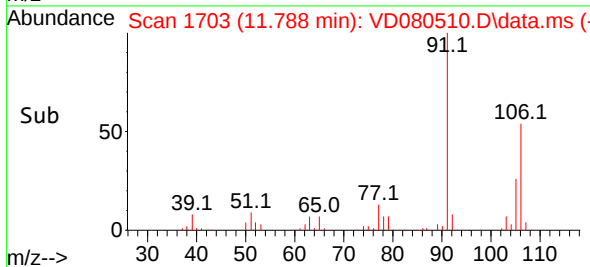
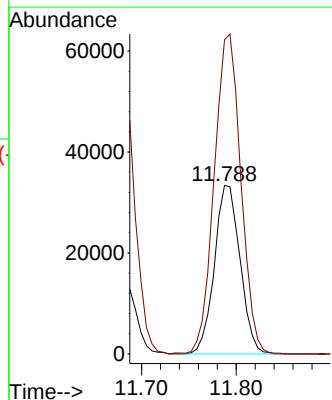
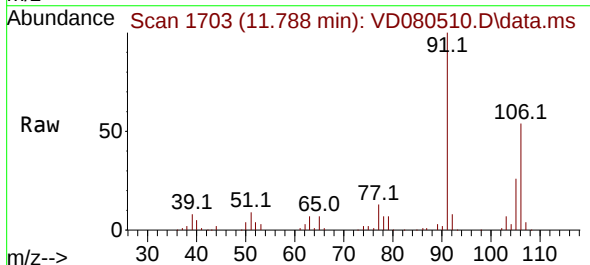
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

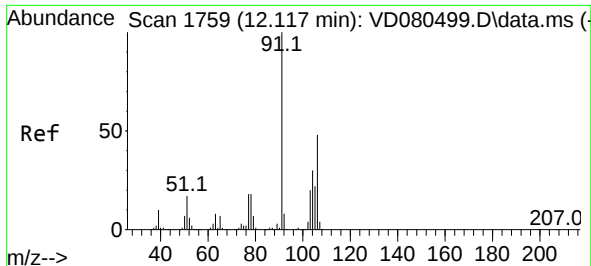
Tgt Ion: 91 Resp: 83077  
Ion Ratio Lower Upper  
91 100  
106 30.3 25.4 38.0



#68  
m/p-Xylenes  
Concen: 6.710 ug/l  
RT: 11.788 min Scan# 1703  
Delta R.T. -0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 106 Resp: 62841  
Ion Ratio Lower Upper  
106 100  
91 197.2 158.5 237.7

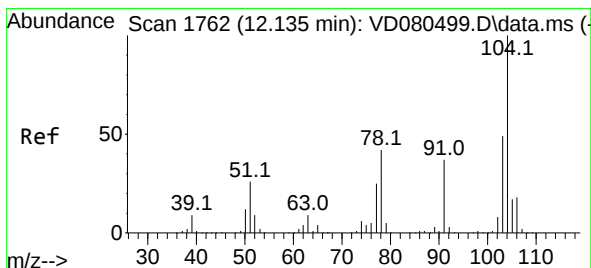
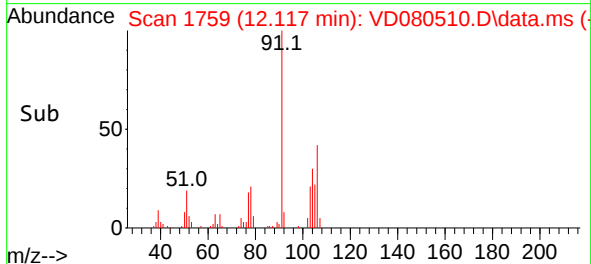
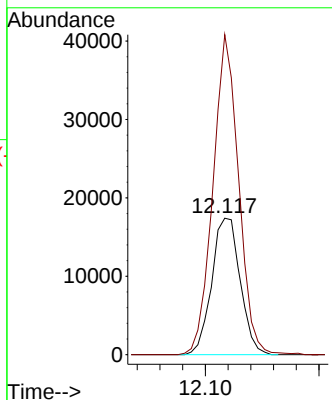
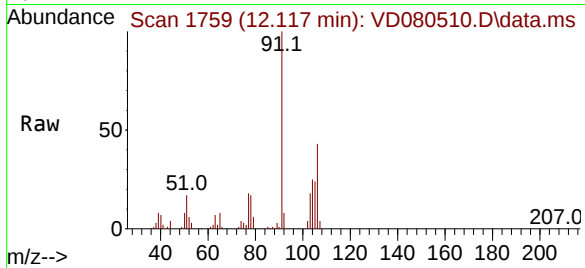




#69  
o-Xylene  
Concen: 3.382 ug/l  
RT: 12.117 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

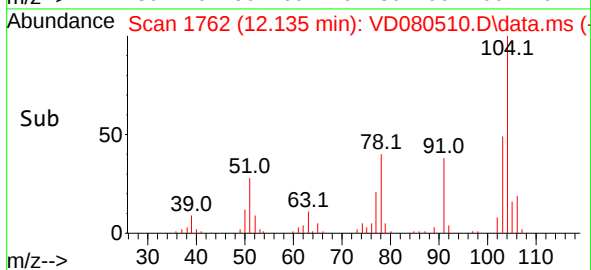
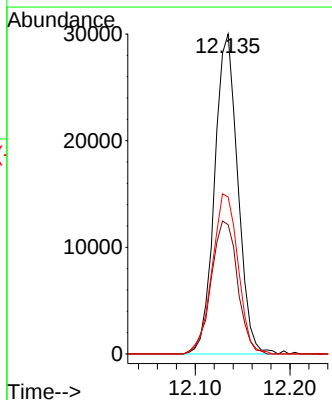
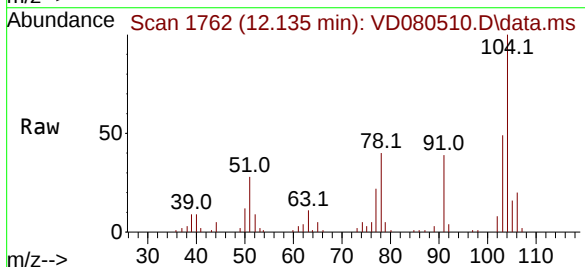
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

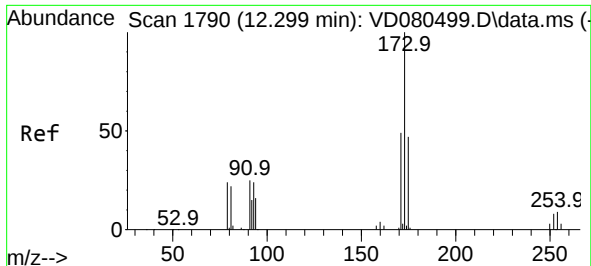
Tgt Ion:106 Resp: 30222  
Ion Ratio Lower Upper  
106 100  
91 212.1 105.3 315.8



#70  
Styrene  
Concen: 3.360 ug/l  
RT: 12.135 min Scan# 1762  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion:104 Resp: 51079  
Ion Ratio Lower Upper  
104 100  
78 47.2 37.9 56.9  
103 55.6 43.5 65.3

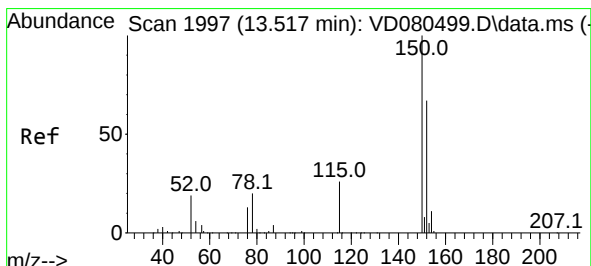
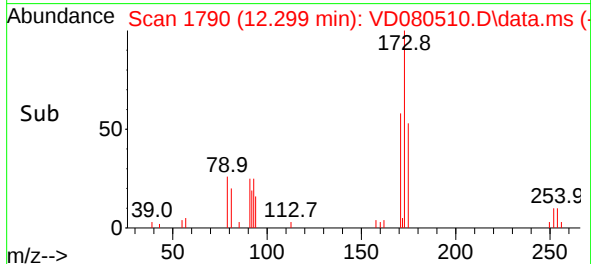
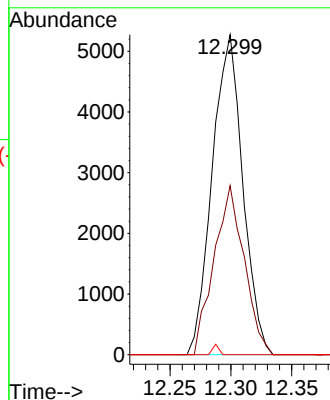
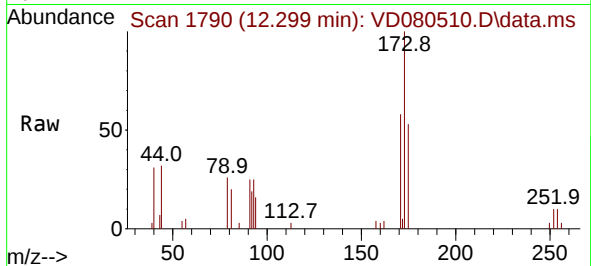




#71  
Bromoform  
Concen: 3.615 ug/l  
RT: 12.299 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

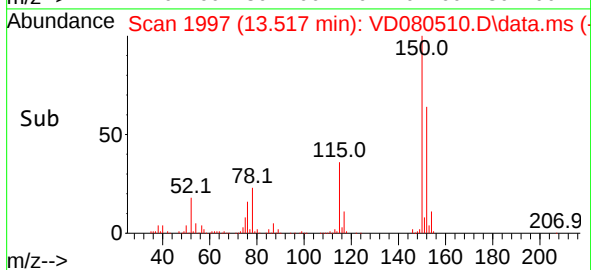
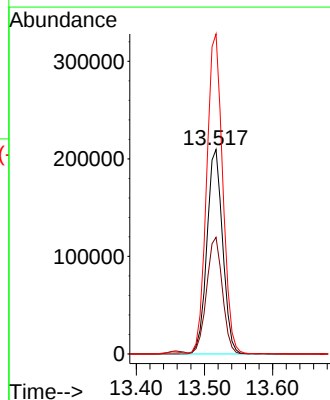
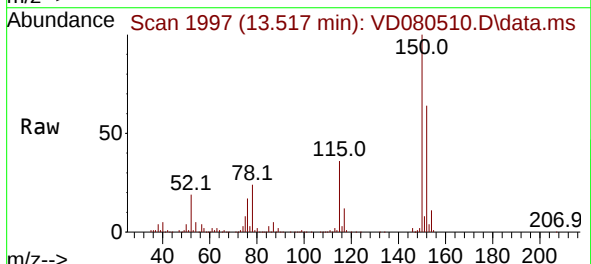
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

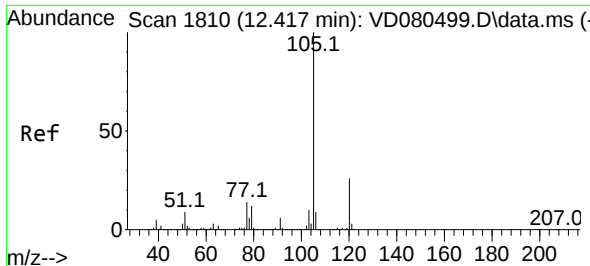
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 173     | 100   |       |       |
| 175     | 52.2  | 23.9  | 71.7  |
| 254     | 0.7   | 0.0   | 0.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.517 min Scan# 1997  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 57.7  | 29.0  | 87.0  |
| 150     | 159.8 | 0.0   | 345.0 |

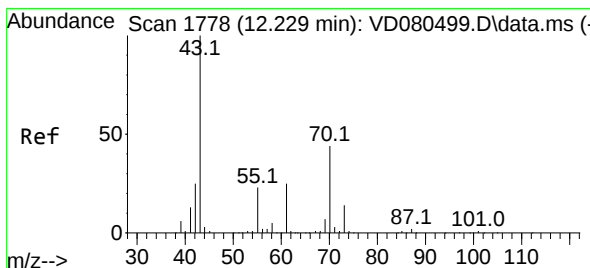
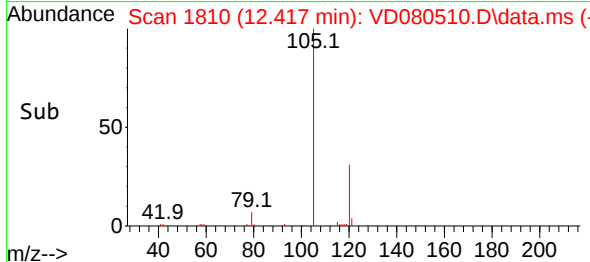
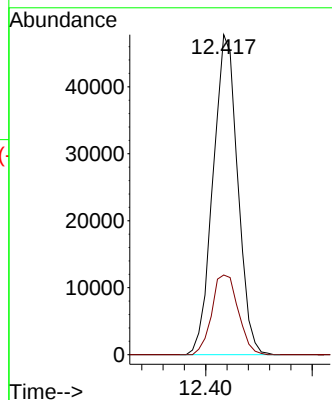
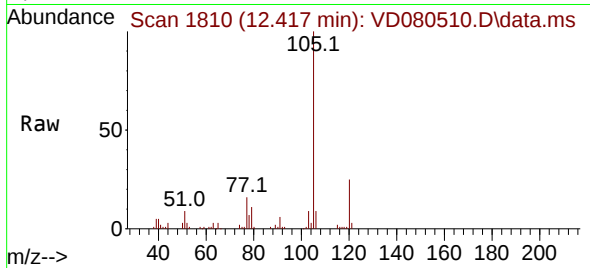




#73  
Isopropylbenzene  
Concen: 3.114 ug/l  
RT: 12.417 min Scan# 1810  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

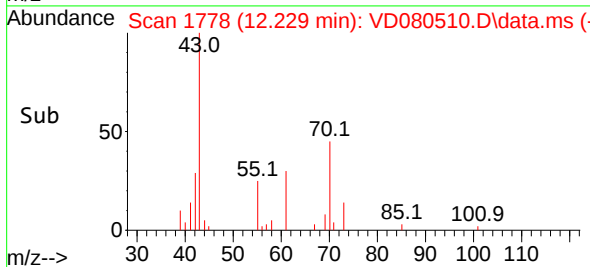
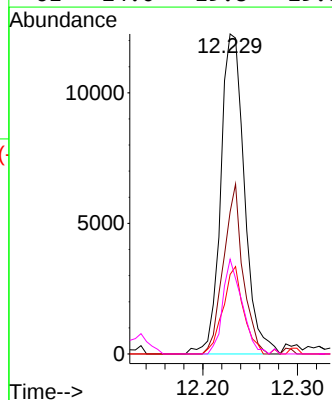
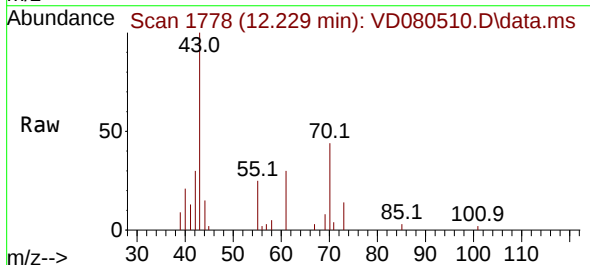
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

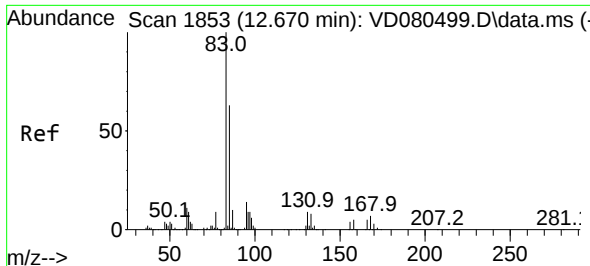
Tgt Ion:105 Resp: 76642  
Ion Ratio Lower Upper  
105 100  
120 26.6 13.5 40.4



#74  
N-ethyl acetate  
Concen: 3.259 ug/l  
RT: 12.229 min Scan# 1778  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 43 Resp: 21289  
Ion Ratio Lower Upper  
43 100  
70 43.7 35.4 53.0  
55 23.7 18.6 28.0  
61 24.0 19.8 29.8

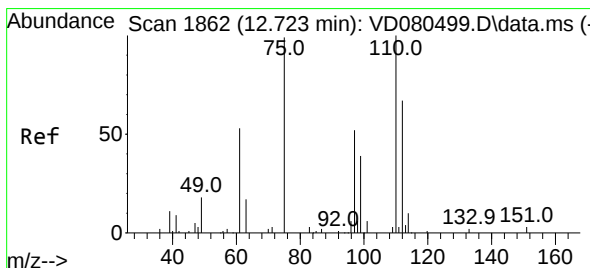
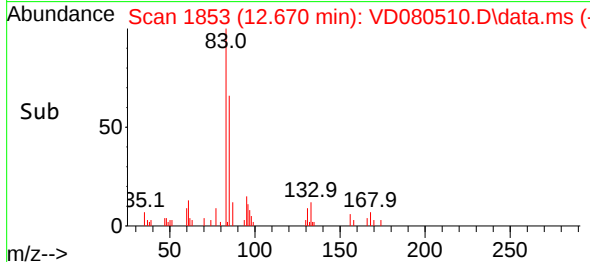
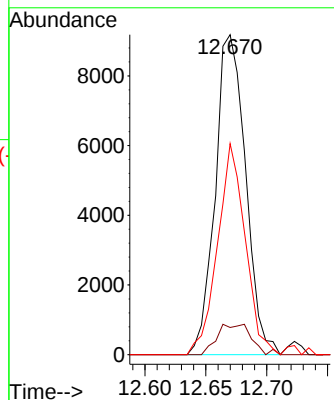
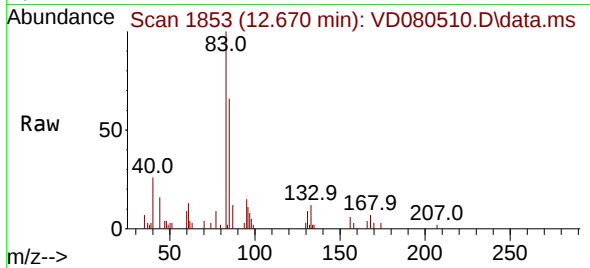




#75  
 1,1,2,2-Tetrachloroethane  
 Concen: 3.482 ug/l  
 RT: 12.670 min Scan# 1853  
 Delta R.T. -0.000 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

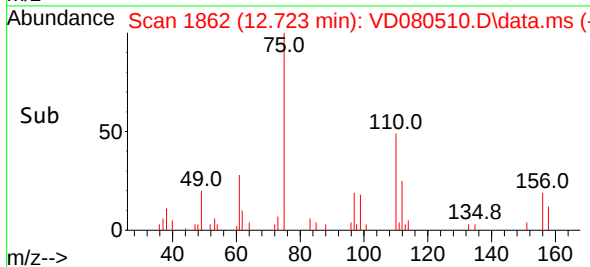
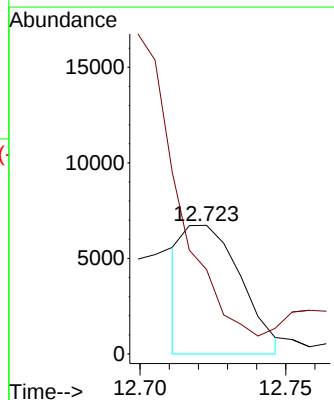
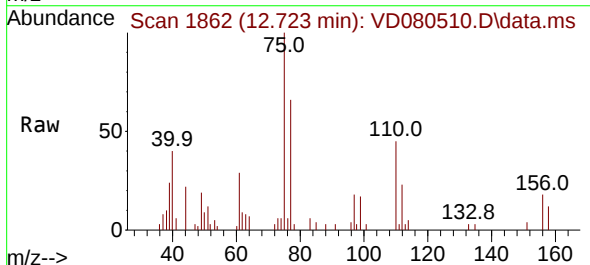
Instrument : MSVOA\_D  
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

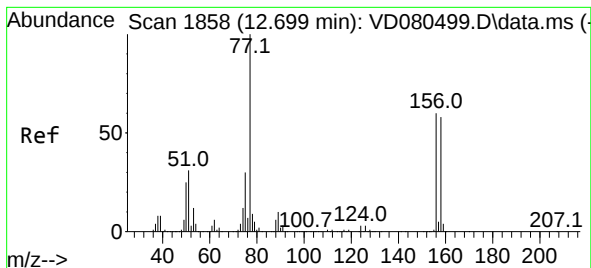
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 15936 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.7  | 5.0   | 15.0  |
| 85       | 60.2  | 31.9  | 95.9  |



#76  
 1,2,3-Trichloropropane  
 Concen: 3.364 ug/l m  
 RT: 12.723 min Scan# 1862  
 Delta R.T. -0.000 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 9224  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |





#77

Bromobenzene

Concen: 3.221 ug/l

RT: 12.699 min Scan# 1858

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

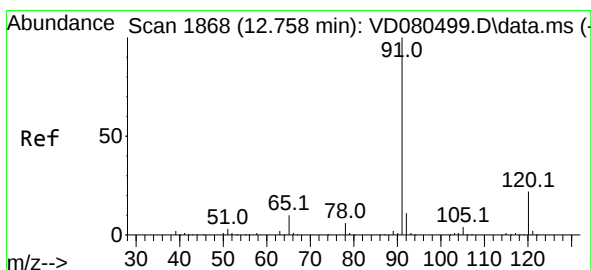
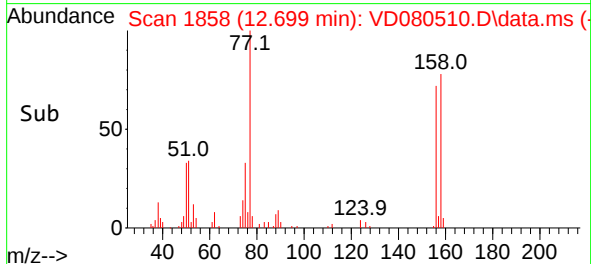
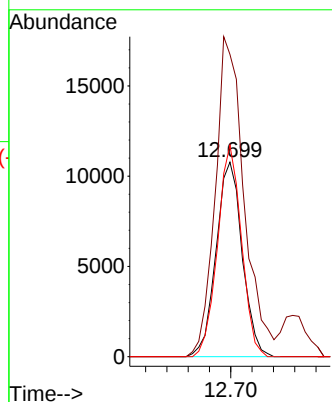
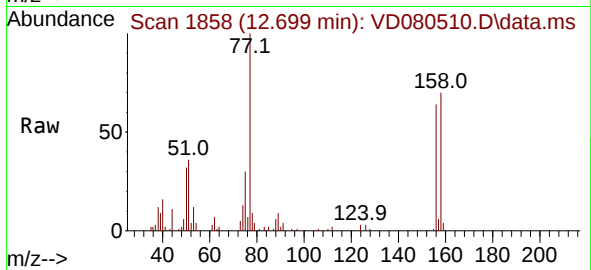
Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 18346 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 181.8 | 92.5  | 277.3 |
| 158       | 99.3  | 47.9  | 143.6 |



#78

n-propylbenzene

Concen: 3.131 ug/l

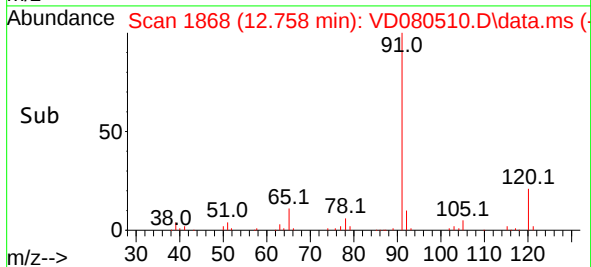
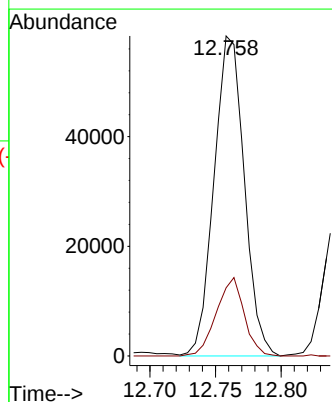
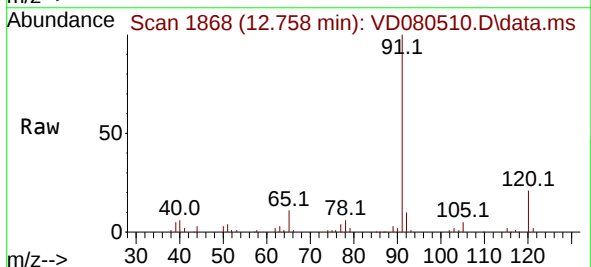
RT: 12.758 min Scan# 1868

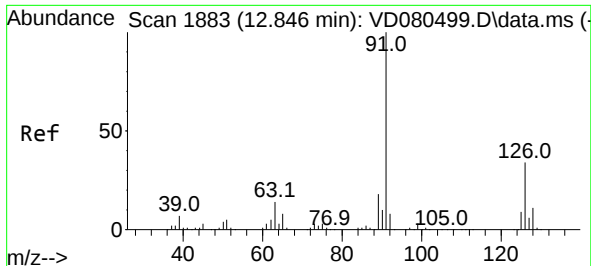
Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 91    | Resp: | 93587 |
| Ion Ratio | Lower | Upper |       |
| 91        | 100   |       |       |
| 120       | 22.4  | 11.3  | 33.9  |

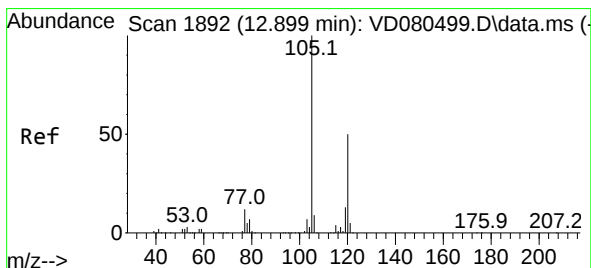
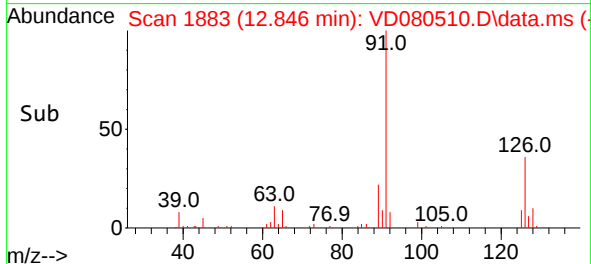
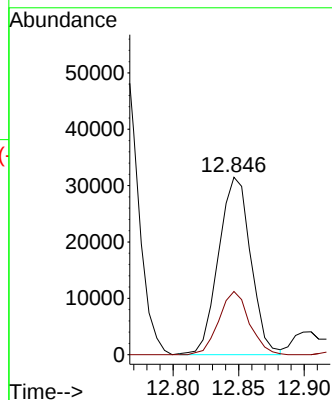
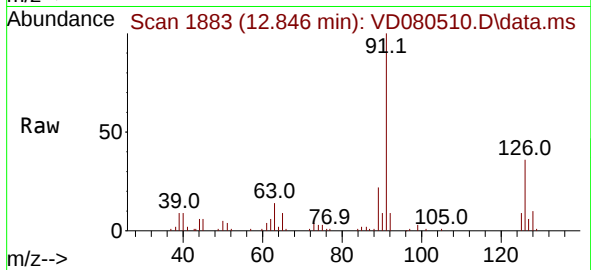




#79  
2-Chlorotoluene  
Concen: 3.157 ug/l  
RT: 12.846 min Scan# 1883  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

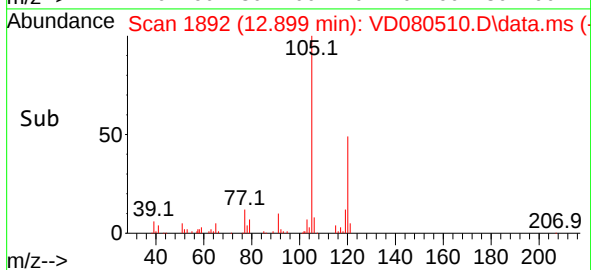
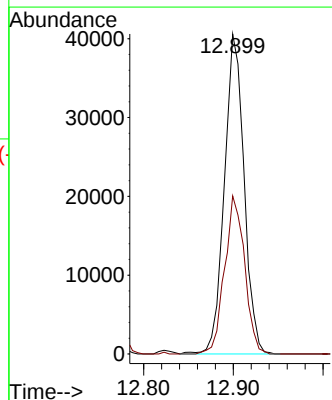
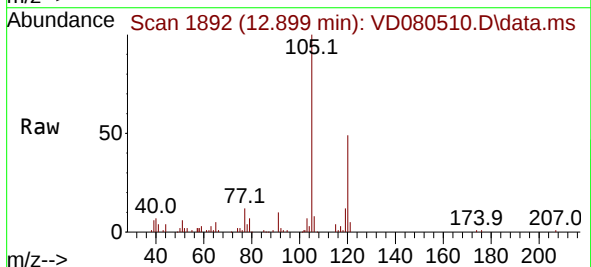
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

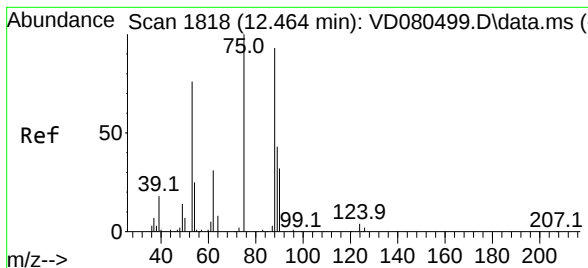
Tgt Ion: 91 Resp: 53777  
Ion Ratio Lower Upper  
91 100  
126 33.6 17.1 51.2



#80  
1,3,5-Trimethylbenzene  
Concen: 3.092 ug/l  
RT: 12.899 min Scan# 1892  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 105 Resp: 61840  
Ion Ratio Lower Upper  
105 100  
120 50.3 24.7 74.1

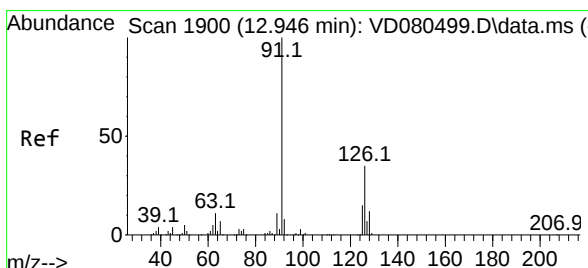
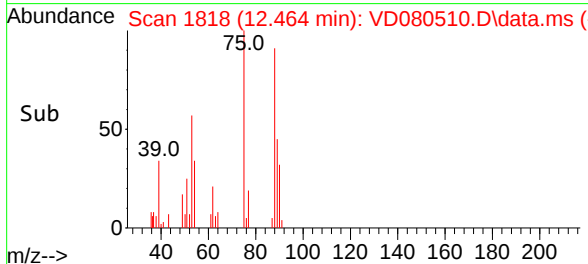
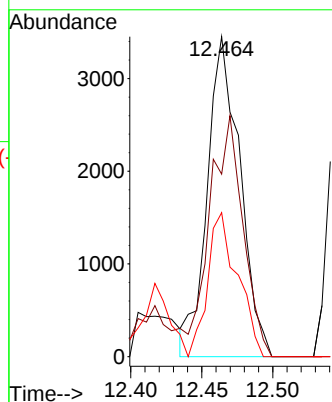
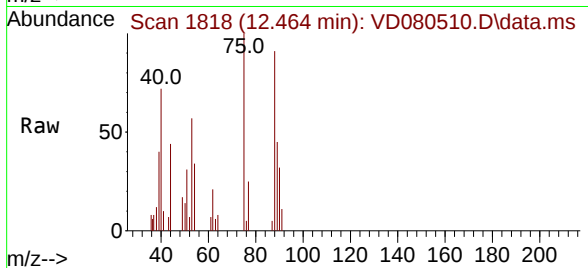




#81  
trans-1,4-Dichloro-2-butene  
Concen: 3.064 ug/l  
RT: 12.464 min Scan# 1818  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

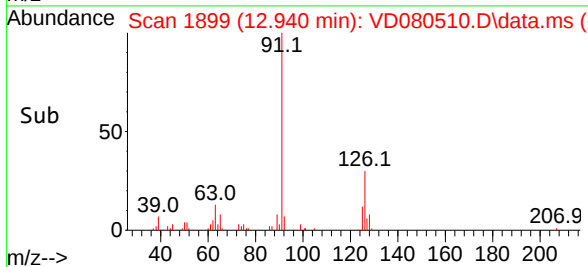
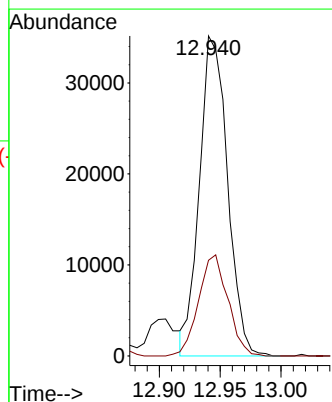
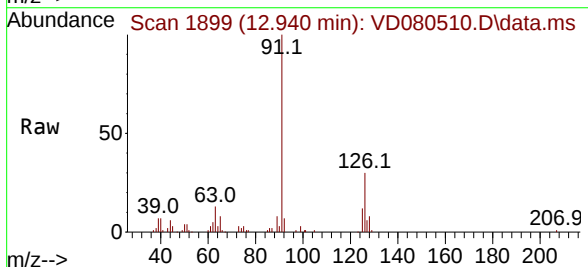
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

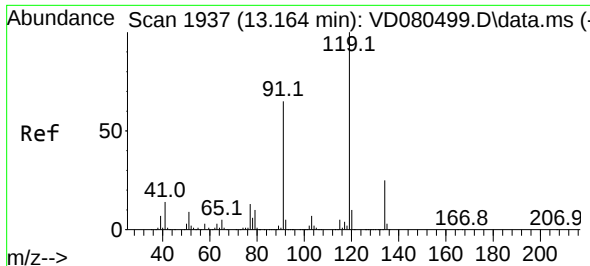
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 5535  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 75.6  | 61.9  | 92.9  |
| 89       | 41.2  | 34.6  | 52.0  |



#82  
4-Chlorotoluene  
Concen: 3.225 ug/l  
RT: 12.940 min Scan# 1899  
Delta R.T. -0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 56499 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 126      | 33.0  | 16.9  | 50.7  |

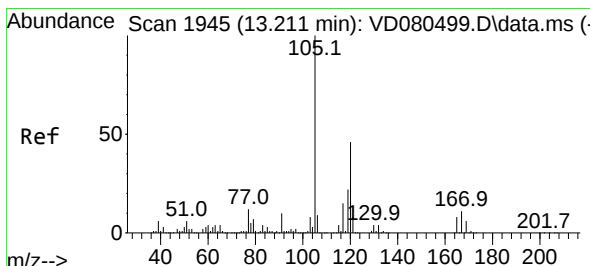
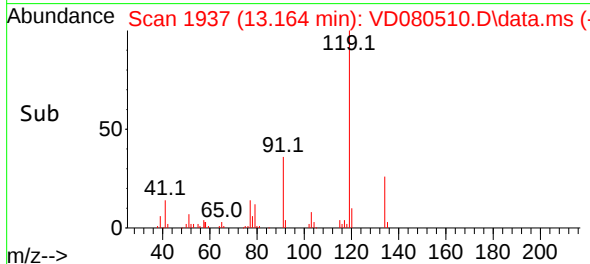
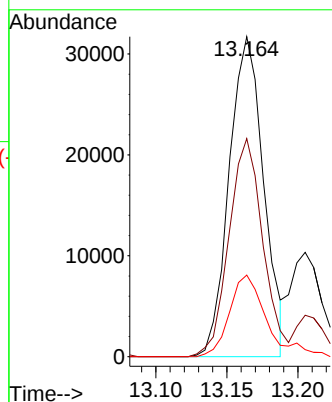
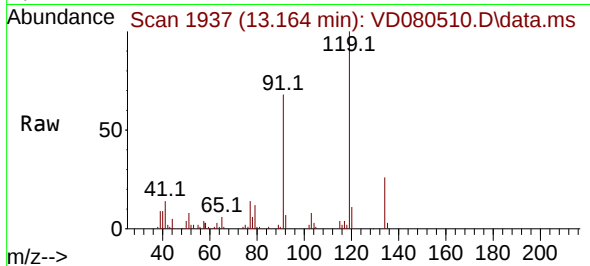




#83  
tert-Butylbenzene  
Concen: 3.087 ug/l  
RT: 13.164 min Scan# 1937  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

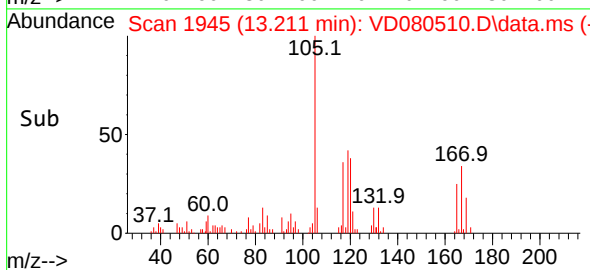
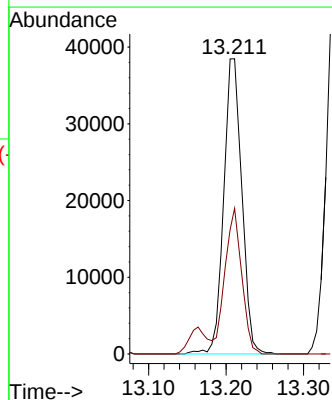
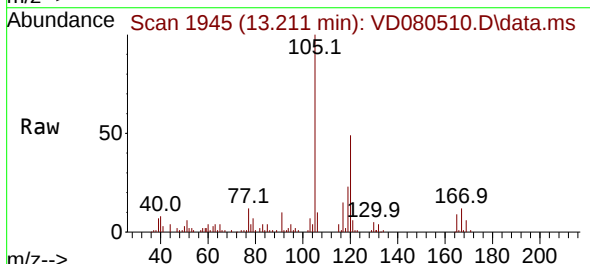
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

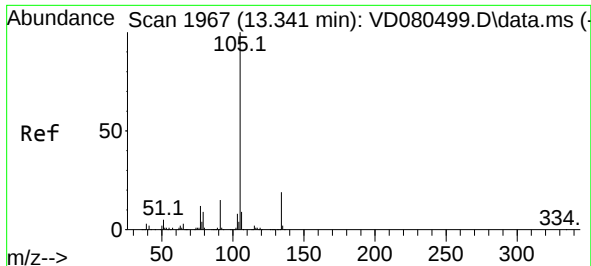
|             |             |
|-------------|-------------|
| Tgt Ion:119 | Resp: 53581 |
| Ion Ratio   | Lower Upper |
| 119 100     |             |
| 91 67.0     | 32.0 96.0   |
| 134 27.3    | 13.5 40.5   |



#84  
1,2,4-Trimethylbenzene  
Concen: 3.109 ug/l  
RT: 13.211 min Scan# 1945  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

|             |             |
|-------------|-------------|
| Tgt Ion:105 | Resp: 62608 |
| Ion Ratio   | Lower Upper |
| 105 100     |             |
| 120 45.8    | 22.5 67.5   |

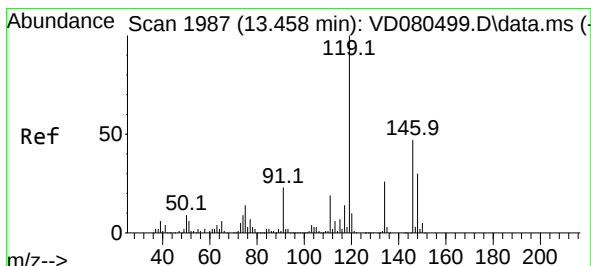
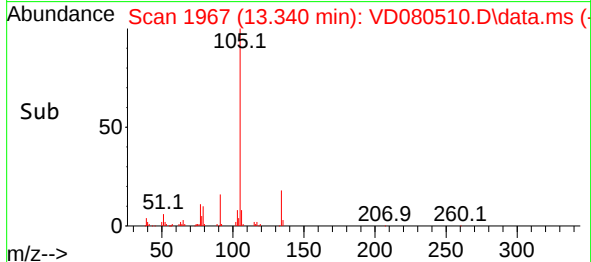
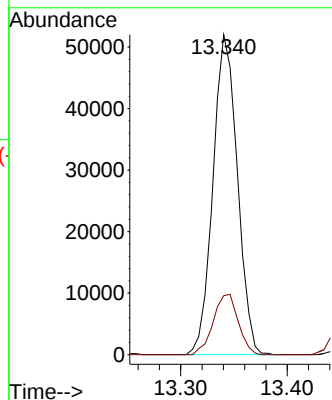
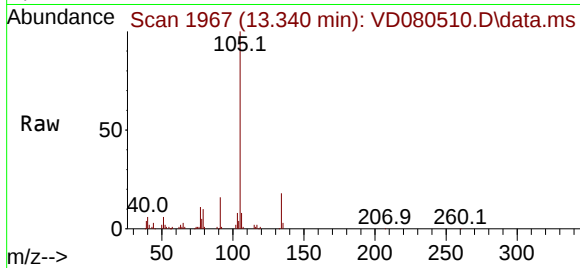




#85  
 sec-Butylbenzene  
 Concen: 3.192 ug/l  
 RT: 13.340 min Scan# 1967  
 Delta R.T. -0.000 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

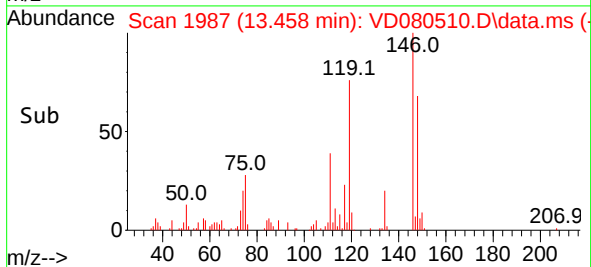
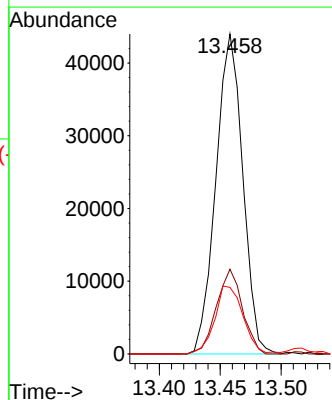
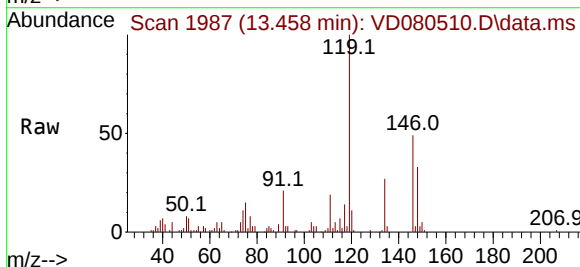
Instrument : MSVOA\_D  
 ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

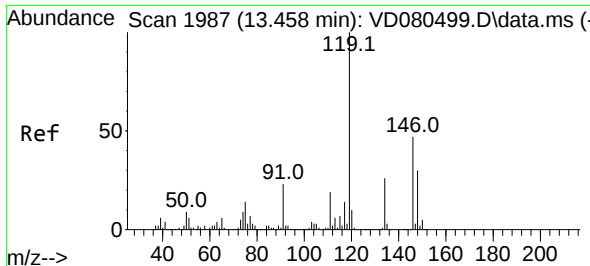
Tgt Ion:105 Resp: 82672  
 Ion Ratio Lower Upper  
 105 100  
 134 19.3 9.8 29.4



#86  
 p-Isopropyltoluene  
 Concen: 3.119 ug/l  
 RT: 13.458 min Scan# 1987  
 Delta R.T. -0.000 min  
 Lab File: VD080510.D  
 Acq: 04 Sep 2025 12:17

Tgt Ion:119 Resp: 67584  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 13.0 39.0  
 91 22.5 11.2 33.5

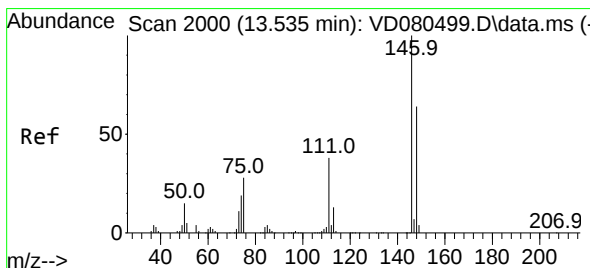
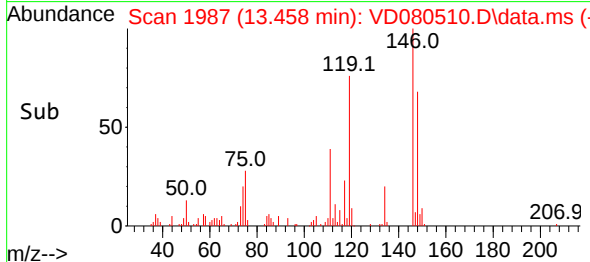
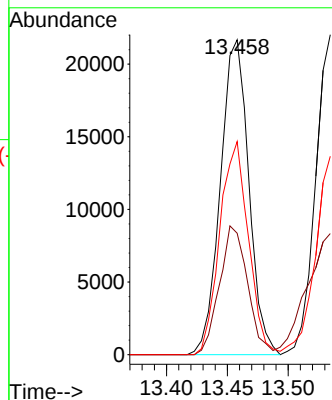
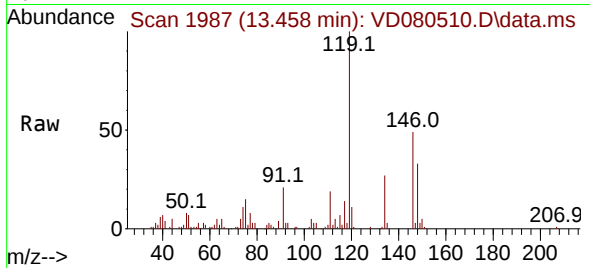




#87  
1,3-Dichlorobenzene  
Concen: 3.207 ug/l  
RT: 13.458 min Scan# 1987  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

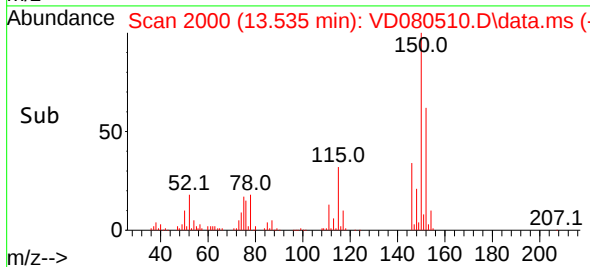
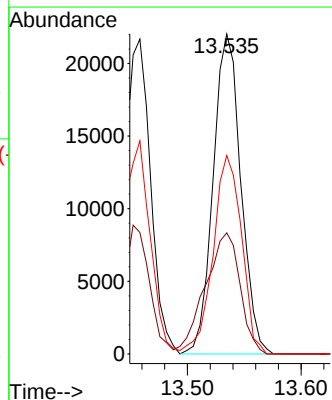
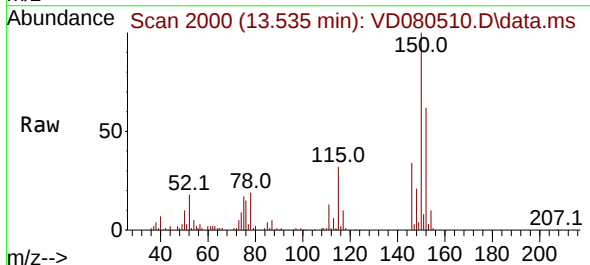
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT3-2025

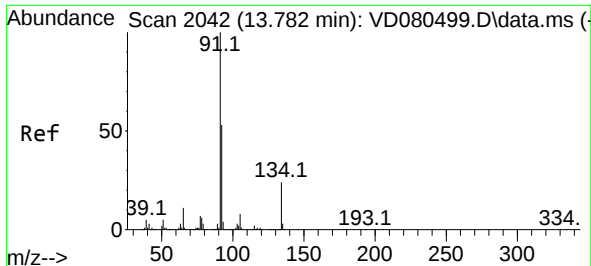
Tgt Ion:146 Resp: 35215  
Ion Ratio Lower Upper  
146 100  
111 40.5 19.9 59.6  
148 68.2 31.8 95.4



#88  
1,4-Dichlorobenzene  
Concen: 3.387 ug/l  
RT: 13.535 min Scan# 2000  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion:146 Resp: 37343  
Ion Ratio Lower Upper  
146 100  
111 47.6 19.4 58.1  
148 63.9 32.1 96.5





#89

n-Butylbenzene

Concen: 3.167 ug/l

RT: 13.782 min Scan# 2042

Delta R.T. -0.000 min

Lab File: VD080510.D

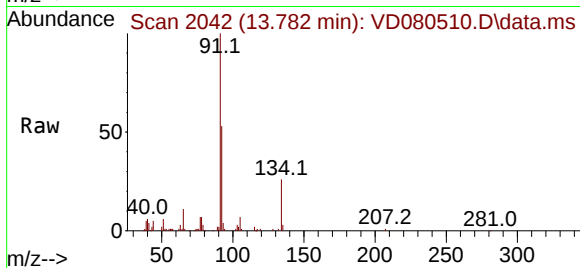
Acq: 04 Sep 2025 12:17

Instrument :

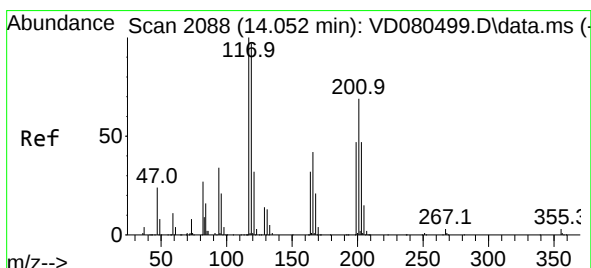
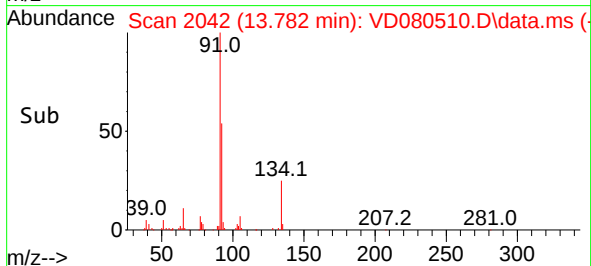
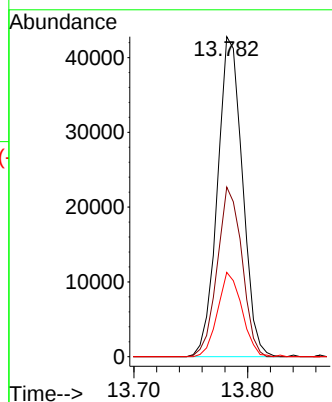
MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 65358 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.5  | 26.6  | 79.8  |
| 134      | 25.7  | 12.4  | 37.2  |



#90

Hexachloroethane

Concen: 3.064 ug/l

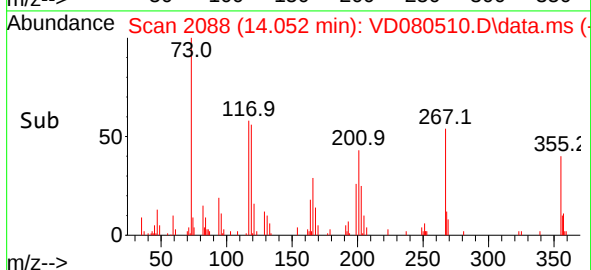
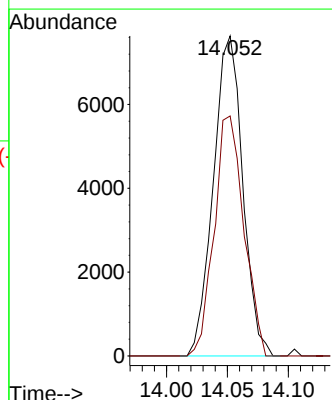
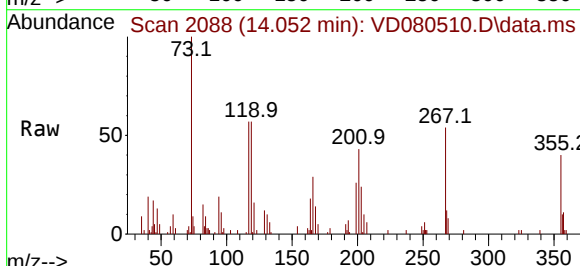
RT: 14.052 min Scan# 2088

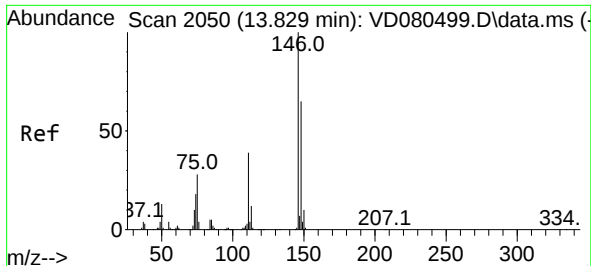
Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 12840 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 75.5  | 34.6  | 103.8 |

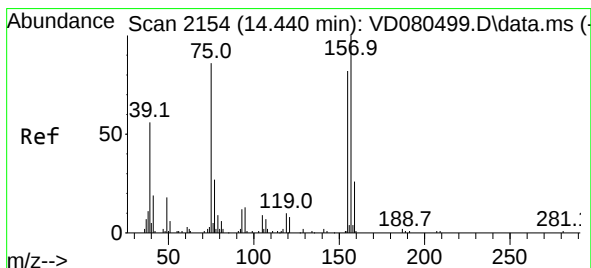
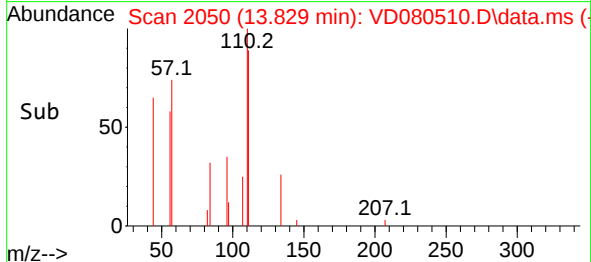
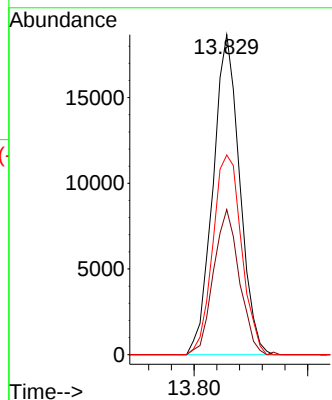
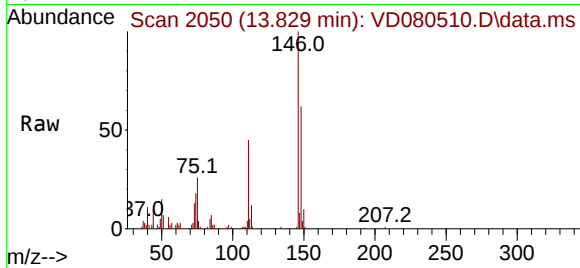




#91  
1,2-Dichlorobenzene  
Concen: 3.119 ug/l  
RT: 13.829 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

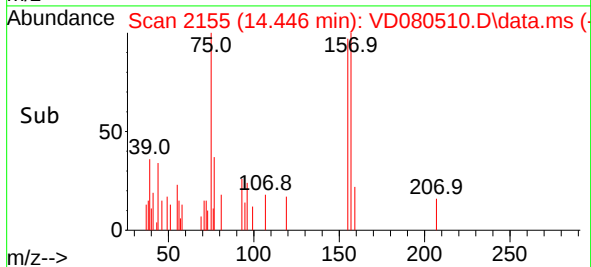
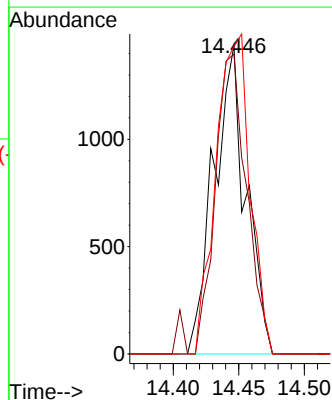
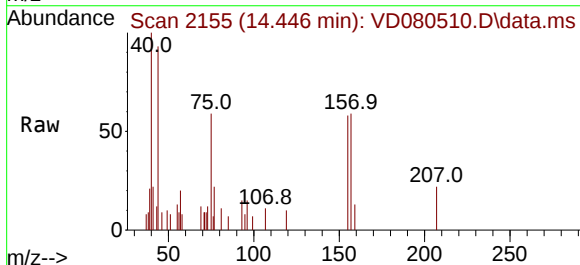
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT3-2025

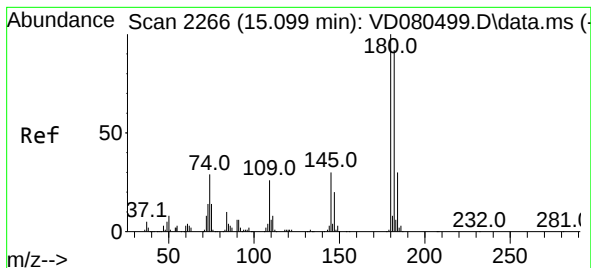
Tgt Ion:146 Resp: 30477  
Ion Ratio Lower Upper  
146 100  
111 44.1 20.7 62.1  
148 66.9 31.5 94.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 3.583 ug/l  
RT: 14.446 min Scan# 2155  
Delta R.T. 0.006 min  
Lab File: VD080510.D  
Acq: 04 Sep 2025 12:17

Tgt Ion: 75 Resp: 2461  
Ion Ratio Lower Upper  
75 100  
155 94.5 47.5 142.6  
157 109.6 56.8 170.3





#93

1,2,4-Trichlorobenzene

Concen: 3.411 ug/l

RT: 15.093 min Scan# 2266

Delta R.T. -0.006 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

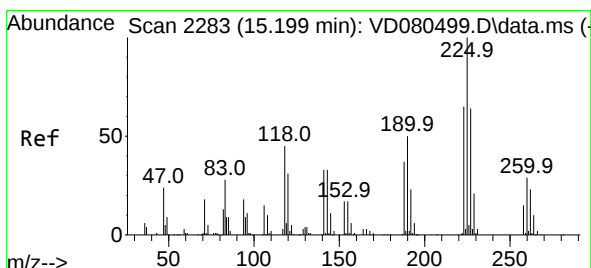
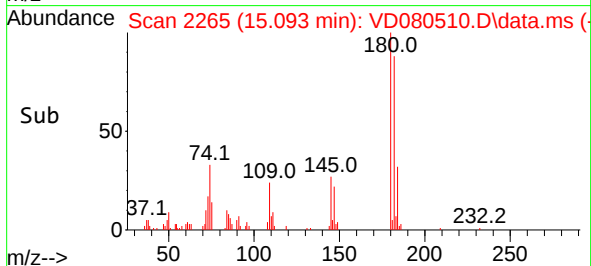
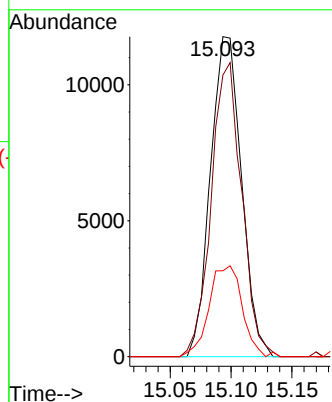
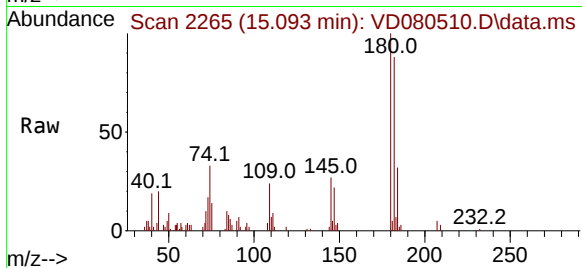
Tgt Ion:180 Resp: 20881

Ion Ratio Lower Upper

180 100

182 90.0 47.5 142.5

145 30.4 15.7 47.0



#94

Hexachlorobutadiene

Concen: 3.314 ug/l

RT: 15.199 min Scan# 2283

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

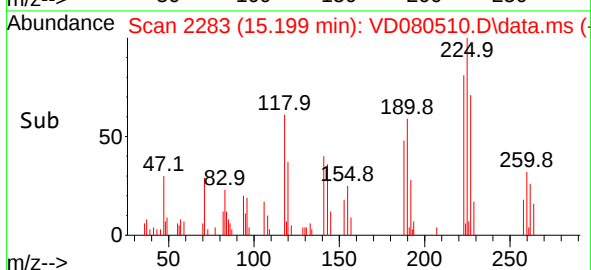
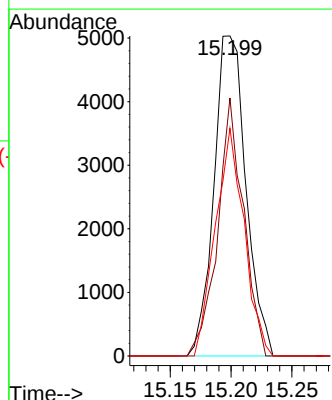
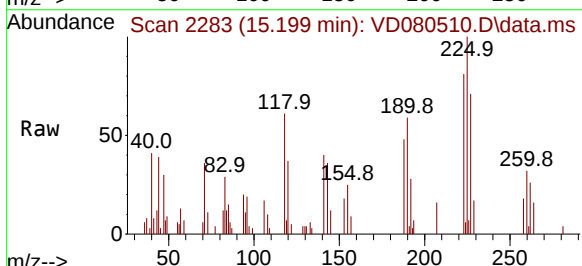
Tgt Ion:225 Resp: 9223

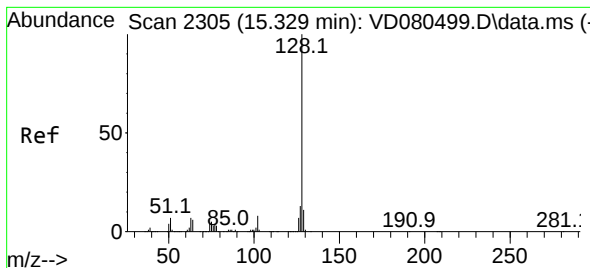
Ion Ratio Lower Upper

225 100

223 64.9 31.9 95.7

227 63.9 32.0 96.2





#95

Naphthalene

Concen: 3.300 ug/l

RT: 15.329 min Scan# 2305

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2025

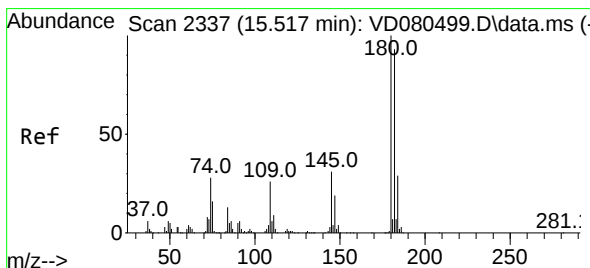
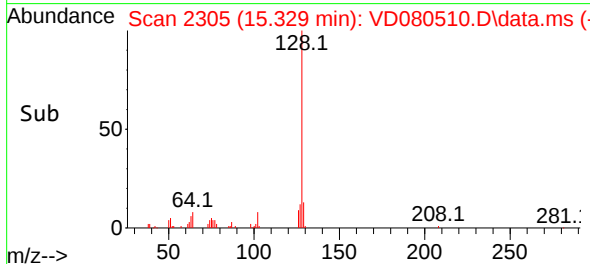
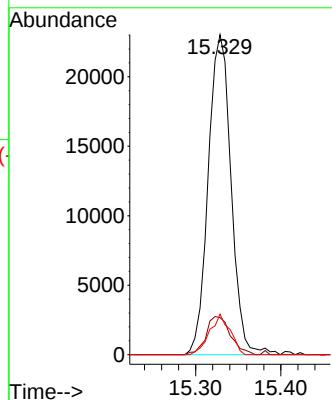
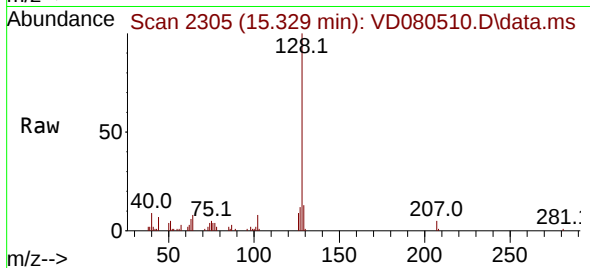
Tgt Ion:128 Resp: 42978

Ion Ratio Lower Upper

128 100

127 11.6 10.6 16.0

129 12.6 9.0 13.6



#96

1,2,3-Trichlorobenzene

Concen: 3.284 ug/l

RT: 15.517 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VD080510.D

Acq: 04 Sep 2025 12:17

Tgt Ion:180 Resp: 17214

Ion Ratio Lower Upper

180 100

182 98.7 47.5 142.5

145 33.5 16.2 48.5

