

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD111825\  
 Data File : VD080535.D  
 Acq On : 18 Nov 2025 12:07  
 Operator : RP/MD  
 Sample : Q3530-01  
 Misc : 5.00G/5ml/MSVOA\_D/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2025

Quant Time: Nov 19 08:23:41 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D111725S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 18 00:45:54 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.876  | 168  | 287149   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.776  | 114  | 477596   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.582 | 117  | 404000   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.517 | 152  | 178039   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 8.229  | 65    | 112884   | 46.820   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 93.640% |
| 35) Dibromofluoromethane    | 7.806  | 113   | 136972   | 48.715   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 97.420% |
| 50) Toluene-d8              | 10.270 | 98    | 555444   | 48.832   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | =    | 97.660% |
| 62) 4-Bromofluorobenzene    | 12.570 | 95    | 158912   | 48.596   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | =    | 97.200% |

|                              |       |     |       |        |        |    |
|------------------------------|-------|-----|-------|--------|--------|----|
| Target Compounds             |       |     |       |        | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.935 | 85  | 5168  | 2.415  | ug/l   | 89 |
| 3) Chloromethane             | 2.147 | 50  | 9608  | 2.781  | ug/l   | 95 |
| 4) Vinyl Chloride            | 2.288 | 62  | 10179 | 2.487  | ug/l   | 95 |
| 5) Bromomethane              | 2.700 | 94  | 8872  | 2.923  | ug/l   | 96 |
| 6) Chloroethane              | 2.841 | 64  | 7831  | 2.787  | ug/l   | 96 |
| 7) Trichlorofluoromethane    | 3.182 | 101 | 12441 | 2.671  | ug/l   | 85 |
| 8) Diethyl Ether             | 3.600 | 74  | 3613  | 2.814  | ug/l   | 87 |
| 9) 1,1,2-Trichlorotrifluo... | 3.971 | 101 | 8229  | 2.795  | ug/l   | 93 |
| 10) Methyl Iodide            | 4.165 | 142 | 8027  | 2.121  | ug/l   | 99 |
| 11) Tert butyl alcohol       | 5.018 | 59  | 1119  | 9.965  | ug/l # | 83 |
| 12) 1,1-Dichloroethene       | 3.953 | 96  | 7770  | 2.508  | ug/l   | 93 |
| 13) Acrolein                 | 3.794 | 56  | 1222  | 6.256  | ug/l # | 11 |
| 14) Allyl chloride           | 4.570 | 41  | 11589 | 2.395  | ug/l   | 94 |
| 15) Acrylonitrile            | 5.265 | 53  | 5891  | 11.368 | ug/l   | 99 |
| 16) Acetone                  | 4.029 | 43  | 4626  | 13.124 | ug/l   | 89 |
| 17) Carbon Disulfide         | 4.271 | 76  | 23963 | 2.403  | ug/l   | 97 |
| 18) Methyl Acetate           | 4.565 | 43  | 2966  | 2.736  | ug/l # | 62 |
| 19) Methyl tert-butyl Ether  | 5.323 | 73  | 13176 | 2.399  | ug/l   | 99 |
| 20) Methylene Chloride       | 4.812 | 84  | 21759 | 6.115  | ug/l   | 98 |
| 21) trans-1,2-Dichloroethene | 5.312 | 96  | 8855  | 2.563  | ug/l   | 88 |
| 22) Diisopropyl ether        | 6.212 | 45  | 20179 | 2.308  | ug/l # | 94 |
| 23) Vinyl Acetate            | 6.165 | 43  | 50779 | 11.152 | ug/l   | 94 |
| 24) 1,1-Dichloroethane       | 6.117 | 63  | 15101 | 2.526  | ug/l # | 94 |
| 25) 2-Butanone               | 7.076 | 43  | 3802  | 6.879  | ug/l # | 86 |
| 26) 2,2-Dichloropropane      | 7.076 | 77  | 15395 | 2.994  | ug/l   | 91 |
| 27) cis-1,2-Dichloroethene   | 7.076 | 96  | 10323 | 2.564  | ug/l   | 95 |
| 28) Bromochloromethane       | 7.429 | 49  | 5785  | 2.644  | ug/l # | 96 |
| 29) Tetrahydrofuran          | 7.447 | 42  | 4637  | 12.593 | ug/l # | 88 |
| 30) Chloroform               | 7.594 | 83  | 13996 | 2.387  | ug/l   | 91 |
| 31) Cyclohexane              | 7.876 | 56  | 18752 | 3.275  | ug/l # | 70 |
| 32) 1,1,1-Trichloroethane    | 7.794 | 97  | 13002 | 2.525  | ug/l   | 92 |
| 36) 1,1-Dichloropropene      | 8.006 | 75  | 11679 | 2.687  | ug/l   | 96 |
| 37) Ethyl Acetate            | 7.170 | 43  | 3415  | 2.597  | ug/l # | 71 |
| 38) Carbon Tetrachloride     | 7.994 | 117 | 11597 | 2.655  | ug/l   | 89 |
| 39) Methylcyclohexane        | 9.276 | 83  | 15677 | 2.734  | ug/l # | 88 |
| 40) Benzene                  | 8.253 | 78  | 33397 | 2.481  | ug/l   | 96 |

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 ALS Vial : 7 Sample Multiplier: 1

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 ClientSampleId :  
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 QLast Update : Tue Nov 18 00:45:54 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 7.429  | 41   | 2524     | 2.939   | ug/l # | 23       |
| 42) 1,2-Dichloroethane        | 8.329  | 62   | 7088     | 2.523   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 8.359  | 43   | 6026     | 2.337   | ug/l # | 59       |
| 44) Trichloroethene           | 9.029  | 130  | 9189     | 2.701   | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 9.311  | 63   | 7520     | 2.440   | ug/l # | 86       |
| 46) Dibromomethane            | 9.394  | 93   | 3694     | 2.430   | ug/l   | 93       |
| 47) Bromodichloromethane      | 9.588  | 83   | 10066    | 2.452   | ug/l   | 99       |
| 48) Methyl methacrylate       | 9.382  | 41   | 3227     | 2.521   | ug/l   | 87       |
| 49) 1,4-Dioxane               | 9.382  | 88   | 300      | 21.174  | ug/l # | 28       |
| 51) 4-Methyl-2-Pentanone      | 10.158 | 43   | 13680    | 11.433  | ug/l   | 94       |
| 52) Toluene                   | 10.329 | 92   | 21653    | 2.544   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 10.553 | 75   | 8542     | 2.348   | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 10.011 | 75   | 11840    | 2.524   | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 10.735 | 97   | 4914     | 2.527   | ug/l   | 88       |
| 56) Ethyl methacrylate        | 10.594 | 69   | 5265     | 2.347   | ug/l # | 92       |
| 57) 1,3-Dichloropropane       | 10.882 | 76   | 8270     | 2.439   | ug/l   | 92       |
| 58) 2-Chloroethyl Vinyl ether | 9.870  | 63   | 13749    | 10.922  | ug/l   | 100      |
| 59) 2-Hexanone                | 10.917 | 43   | 8883     | 10.619  | ug/l   | 91       |
| 60) Dibromochloromethane      | 11.076 | 129  | 6804     | 2.633   | ug/l   | 94       |
| 61) 1,2-Dibromoethane         | 11.176 | 107  | 4734     | 2.531   | ug/l   | 98       |
| 64) Tetrachloroethene         | 10.811 | 164  | 7860     | 2.705   | ug/l   | 95       |
| 65) Chlorobenzene             | 11.605 | 112  | 22628    | 2.515   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 11.682 | 131  | 6955     | 2.472   | ug/l   | 94       |
| 67) Ethyl Benzene             | 11.682 | 91   | 40784    | 2.501   | ug/l   | 99       |
| 68) m/p-Xylenes               | 11.788 | 106  | 30727    | 4.927   | ug/l   | 93       |
| 69) o-Xylene                  | 12.123 | 106  | 15273    | 2.649   | ug/l   | 92       |
| 70) Styrene                   | 12.135 | 104  | 22910    | 2.408   | ug/l   | 98       |
| 71) Bromoform                 | 12.299 | 173  | 3569     | 2.715   | ug/l # | 99       |
| 73) Isopropylbenzene          | 12.423 | 105  | 39794    | 2.633   | ug/l   | 99       |
| 74) N-amyl acetate            | 12.235 | 43   | 6387     | 2.726   | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 12.676 | 83   | 4502     | 2.375   | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 12.729 | 75   | 6312     | 4.552   | ug/l # | 100      |
| 77) Bromobenzene              | 12.699 | 156  | 8474     | 2.642   | ug/l   | 97       |
| 78) n-propylbenzene           | 12.758 | 91   | 49177    | 2.712   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 12.852 | 91   | 25776    | 2.584   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 12.905 | 105  | 31022    | 2.597   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.570 | 75   | 79874    | 109.997 | ug/l # | 18       |
| 82) 4-Chlorotoluene           | 12.947 | 91   | 26700    | 2.633   | ug/l   | 97       |
| 83) tert-Butylbenzene         | 13.164 | 119  | 27817    | 2.589   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 13.211 | 105  | 31034    | 2.640   | ug/l   | 96       |
| 85) sec-Butylbenzene          | 13.341 | 105  | 42163    | 2.651   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 13.458 | 119  | 34145    | 2.589   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 13.458 | 146  | 17315    | 2.717   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 13.535 | 146  | 16987    | 2.726   | ug/l   | 87       |
| 89) n-Butylbenzene            | 13.788 | 91   | 33894    | 2.695   | ug/l   | 99       |
| 90) Hexachloroethane          | 14.058 | 117  | 6446     | 2.505   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 13.829 | 146  | 13799    | 2.620   | ug/l   | 97       |
| 92) 1,2-Dibromo-3-Chloropr... | 14.441 | 75   | 590      | 2.261   | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 15.099 | 180  | 9799     | 3.012   | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 15.205 | 225  | 5143     | 2.839   | ug/l   | 98       |
| 95) Naphthalene               | 15.329 | 128  | 15178    | 2.867   | ug/l   | 97       |
| 96) 1,2,3-Trichlorobenzene    | 15.523 | 180  | 7705     | 2.924   | ug/l   | 96       |

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Quant Title : SW846 8260  
QLast Update : Tue Nov 18 00:45:54 2025  
Response via : Initial Calibration

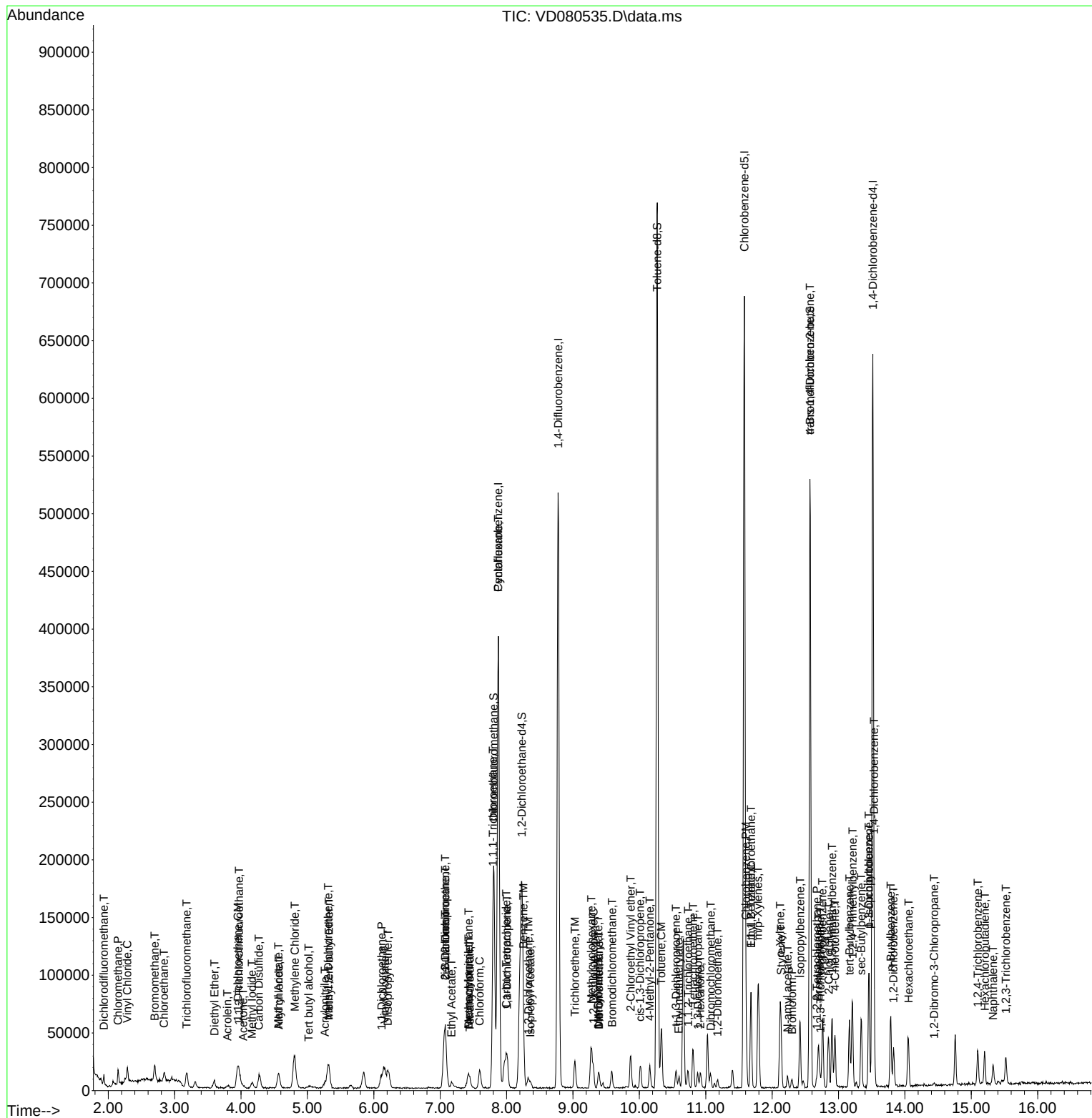
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

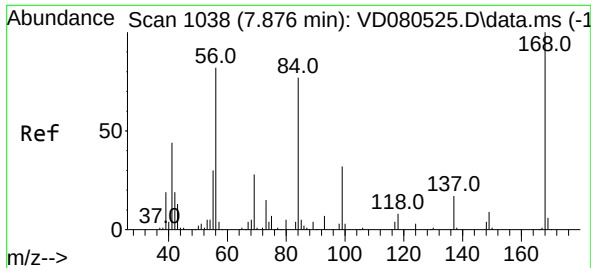
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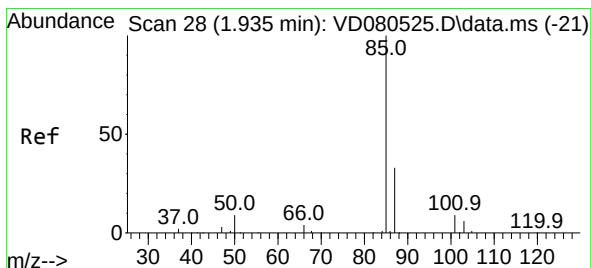
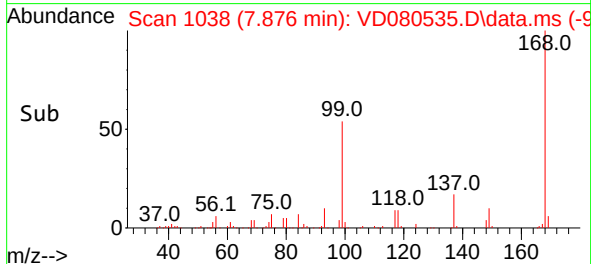
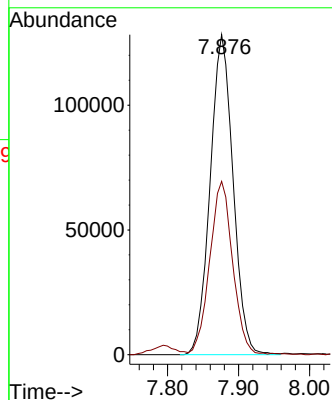
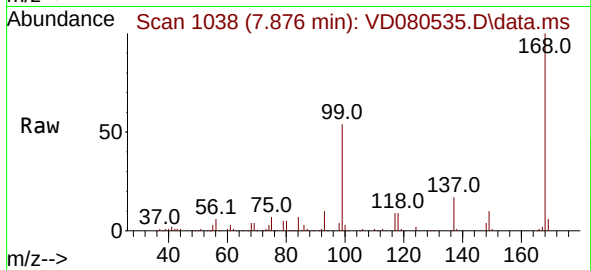




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.876 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

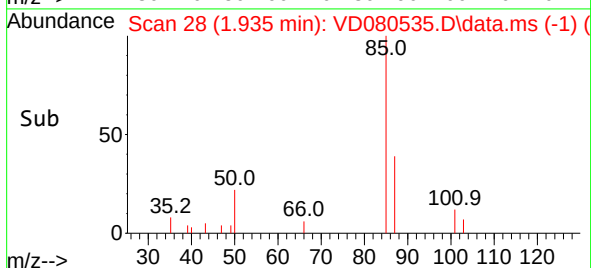
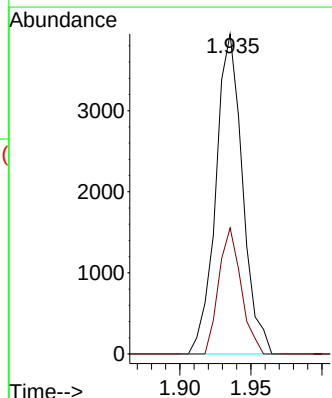
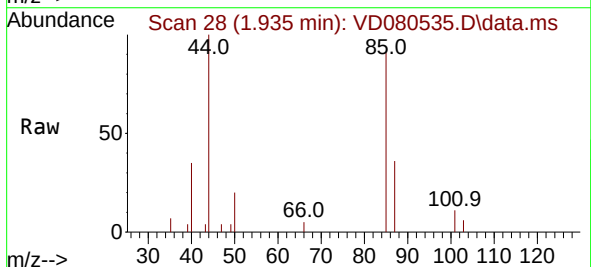
Instrument :  
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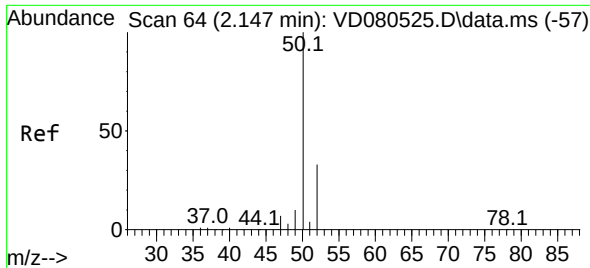
Tgt Ion:168 Resp: 287149  
Ion Ratio Lower Upper  
168 100  
99 53.9 42.5 63.7



#2  
Dichlorodifluoromethane  
Concen: 2.415 ug/l  
RT: 1.935 min Scan# 28  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 85 Resp: 5168  
Ion Ratio Lower Upper  
85 100  
87 39.4 16.5 49.5

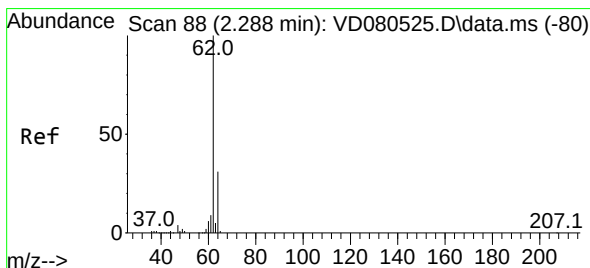
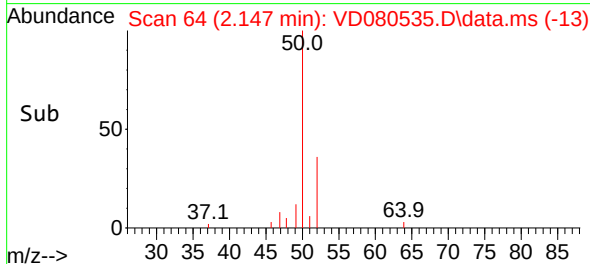
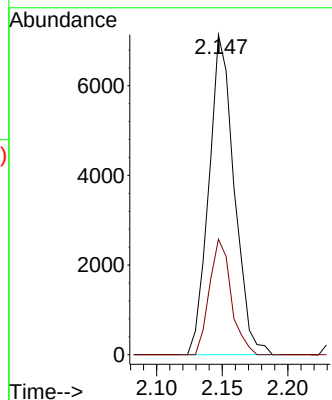
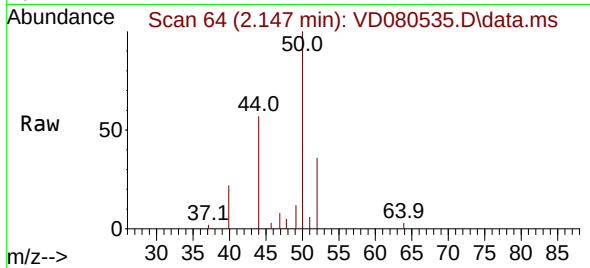




#3  
Chloromethane  
Concen: 2.781 ug/l  
RT: 2.147 min Scan# 64  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

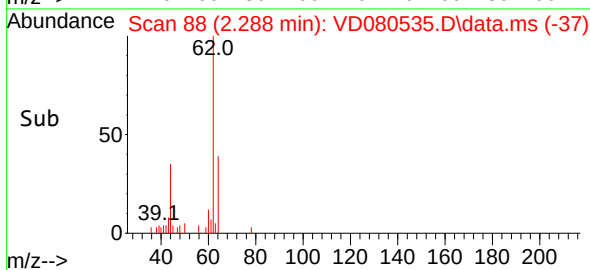
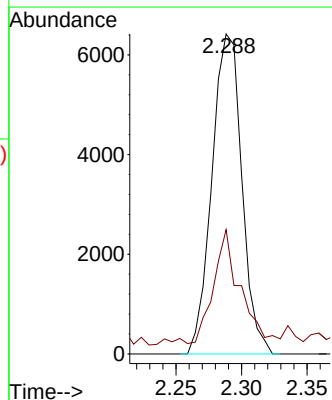
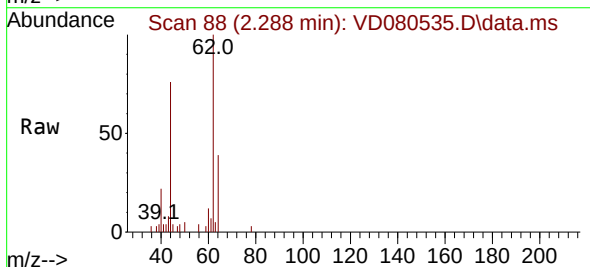
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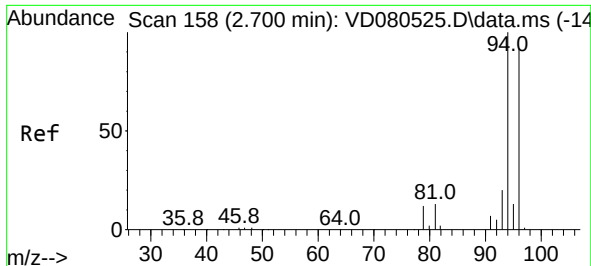
Tgt Ion: 50 Resp: 9608  
Ion Ratio Lower Upper  
50 100  
52 36.1 26.5 39.7



#4  
Vinyl Chloride  
Concen: 2.487 ug/l  
RT: 2.288 min Scan# 88  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 62 Resp: 10179  
Ion Ratio Lower Upper  
62 100  
64 34.2 25.0 37.6

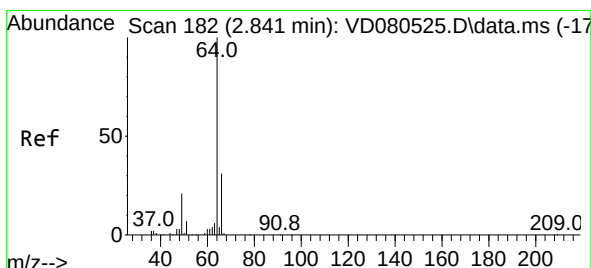
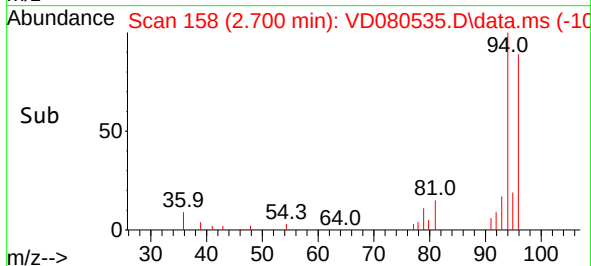
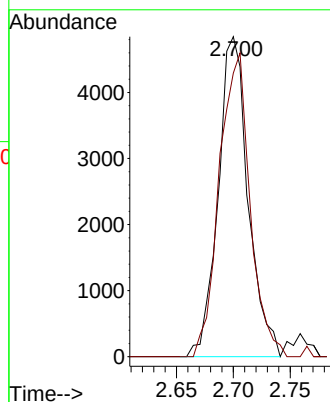
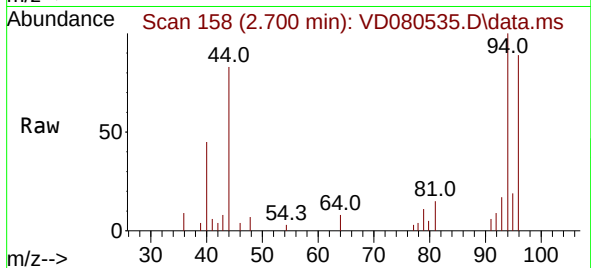




#5  
Bromomethane  
Concen: 2.923 ug/l  
RT: 2.700 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

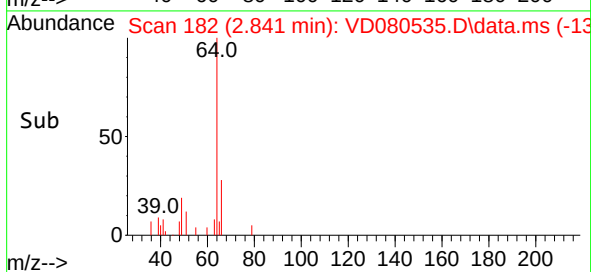
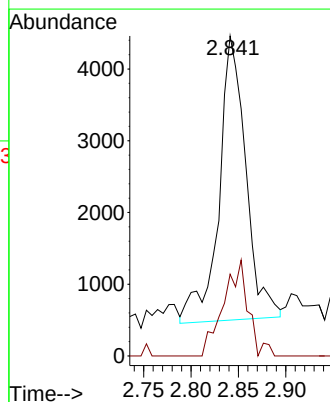
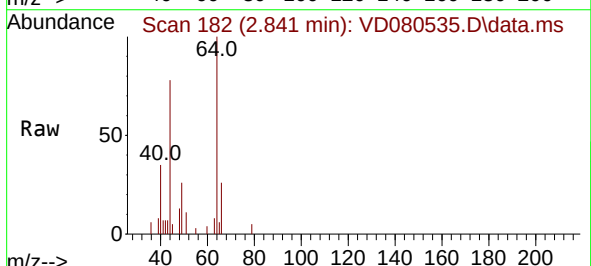
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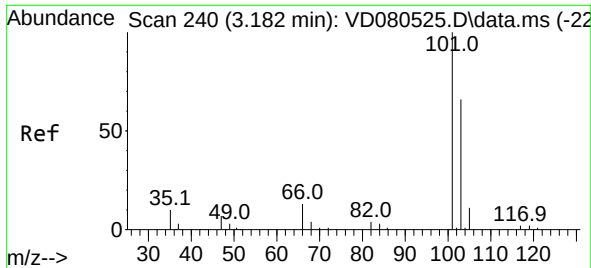
Tgt Ion: 94 Resp: 8872  
Ion Ratio Lower Upper  
94 100  
96 97.5 74.6 112.0



#6  
Chloroethane  
Concen: 2.787 ug/l  
RT: 2.841 min Scan# 182  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 64 Resp: 7831  
Ion Ratio Lower Upper  
64 100  
66 29.1 25.0 37.6

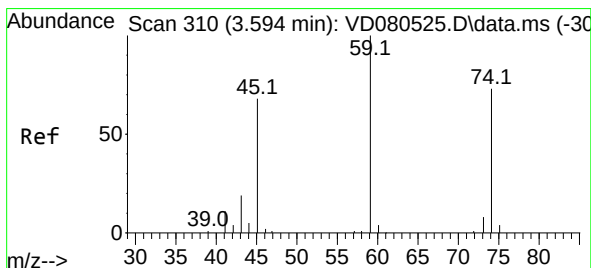
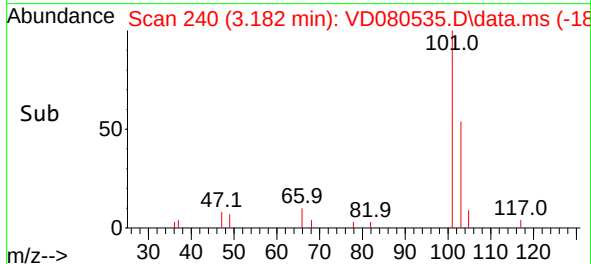
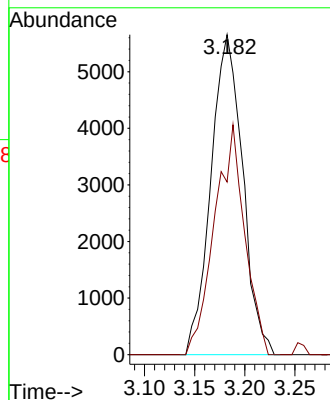
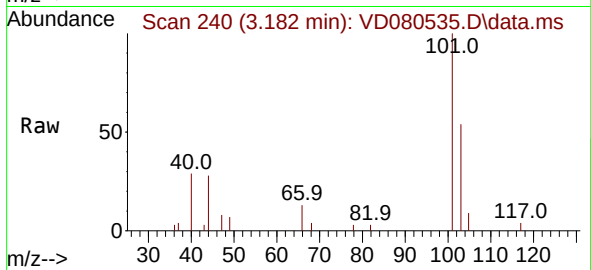




#7  
 Trichlorofluoromethane  
 Concen: 2.671 ug/l  
 RT: 3.182 min Scan# 240  
 Delta R.T. 0.000 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

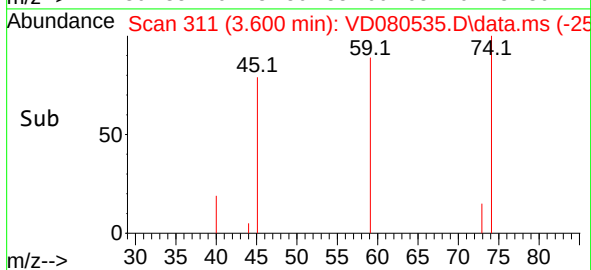
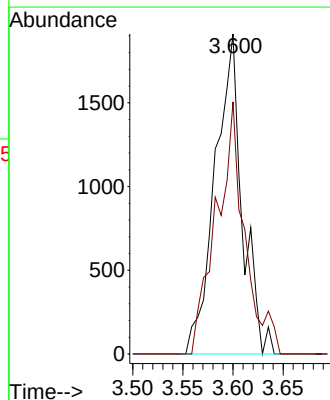
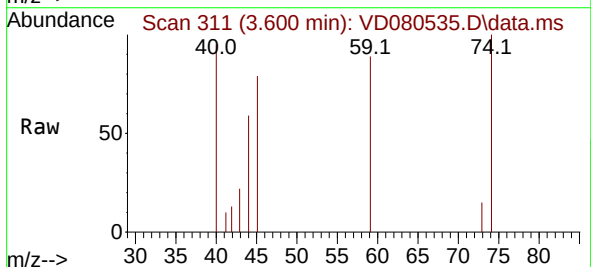
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:101 Resp: 12441  
 Ion Ratio Lower Upper  
 101 100  
 103 54.0 52.6 78.8

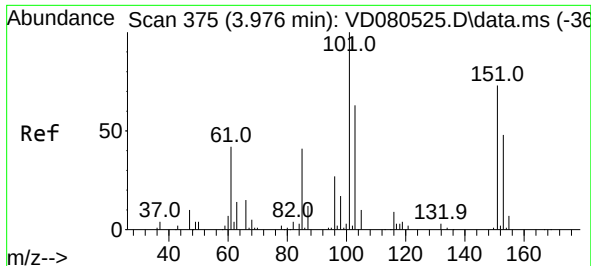


#8  
 Diethyl Ether  
 Concen: 2.814 ug/l  
 RT: 3.600 min Scan# 311  
 Delta R.T. 0.006 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

Tgt Ion: 74 Resp: 3613  
 Ion Ratio Lower Upper  
 74 100  
 45 81.7 46.9 140.7



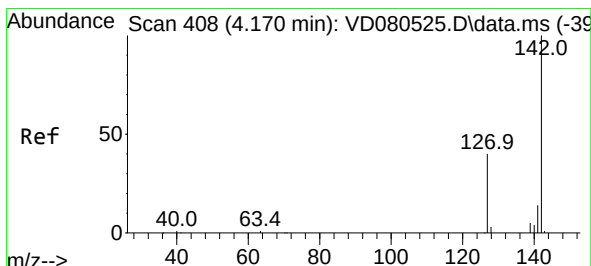
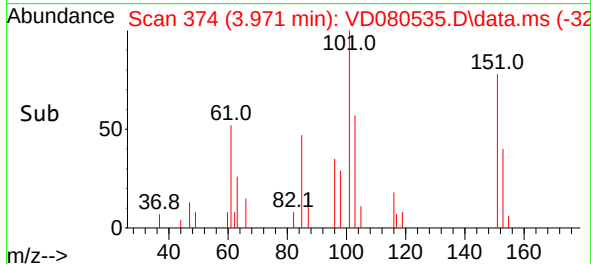
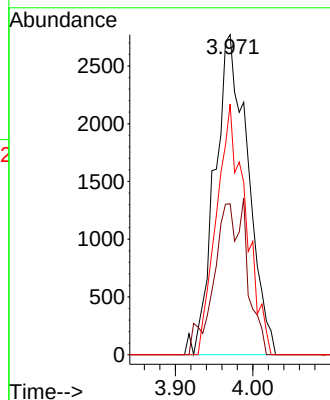
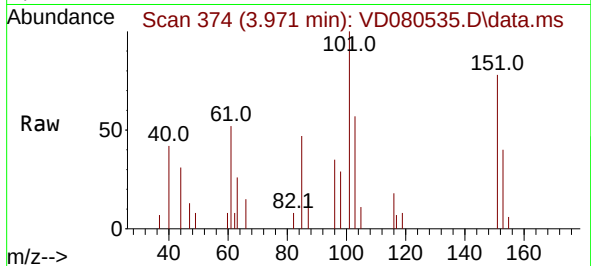




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.795 ug/l  
RT: 3.971 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

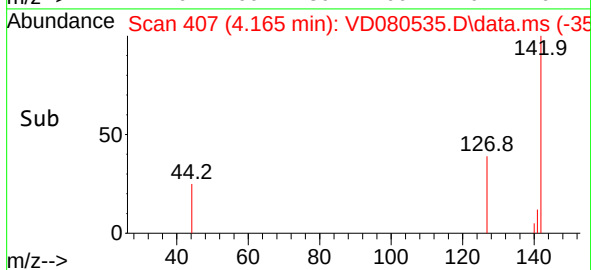
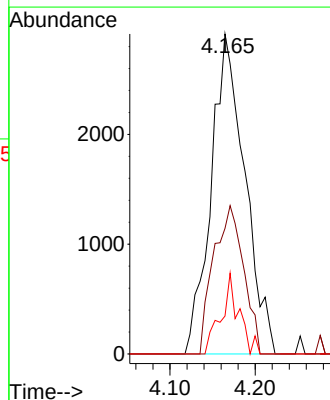
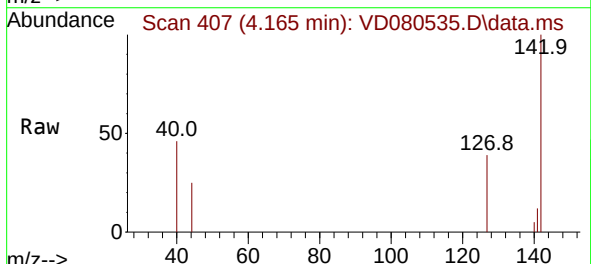
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

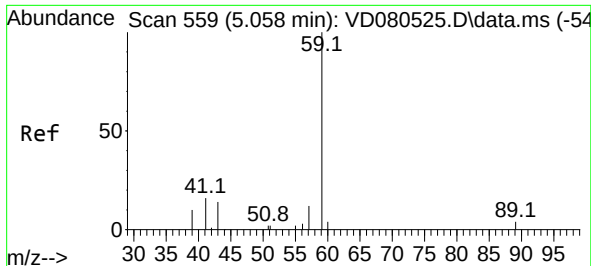
Tgt Ion:101 Resp: 8229  
Ion Ratio Lower Upper  
101 100  
85 47.1 33.8 50.6  
151 69.1 59.6 89.4



#10  
Methyl Iodide  
Concen: 2.121 ug/l  
RT: 4.165 min Scan# 407  
Delta R.T. -0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion:142 Resp: 8027  
Ion Ratio Lower Upper  
142 100  
127 41.2 32.6 49.0  
141 13.4 11.4 17.2

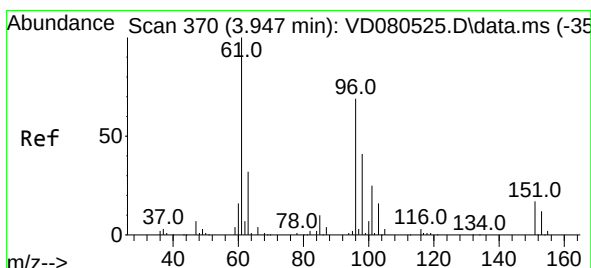
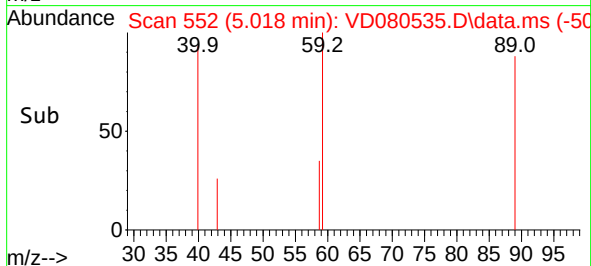
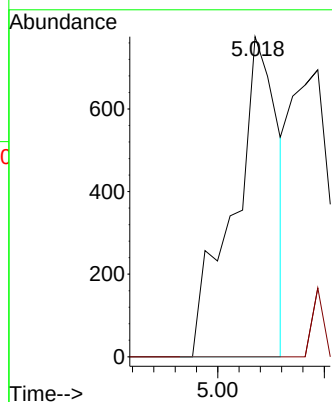
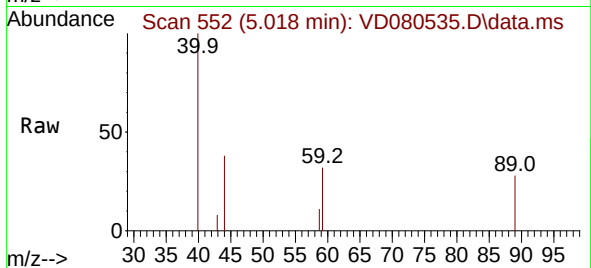




#11  
Tert butyl alcohol  
Concen: 9.965 ug/l  
RT: 5.018 min Scan# 511  
Delta R.T. -0.041 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

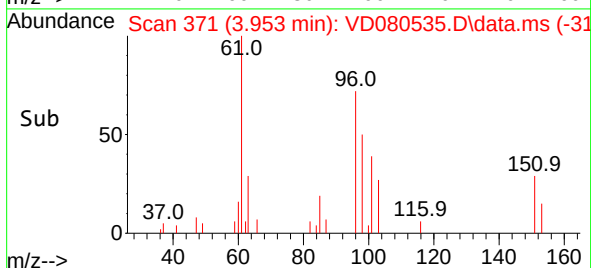
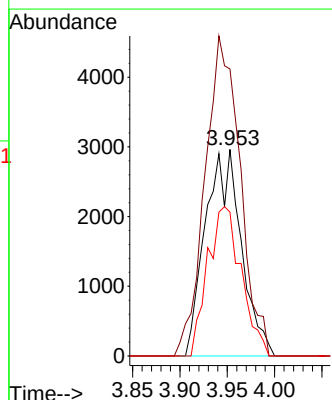
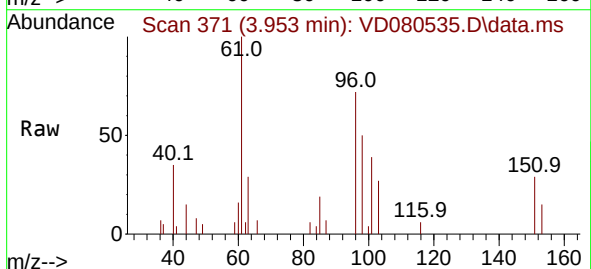
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

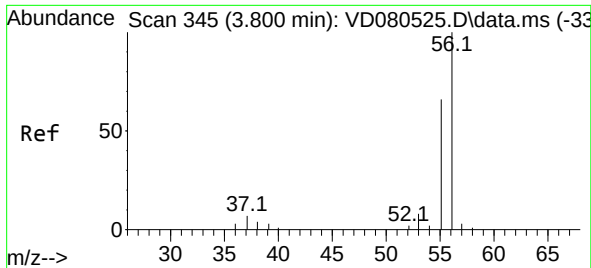
Tgt Ion: 59 Resp: 1119  
Ion Ratio Lower Upper  
59 100  
57 0.0 4.5 6.7#



#12  
1,1-Dichloroethene  
Concen: 2.508 ug/l  
RT: 3.953 min Scan# 371  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 96 Resp: 7770  
Ion Ratio Lower Upper  
96 100  
61 139.0 116.2 174.2  
98 69.6 47.6 71.4





#13

Acrolein

Concen: 6.256 ug/l

RT: 3.794 min Scan# 34

Delta R.T. -0.006 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

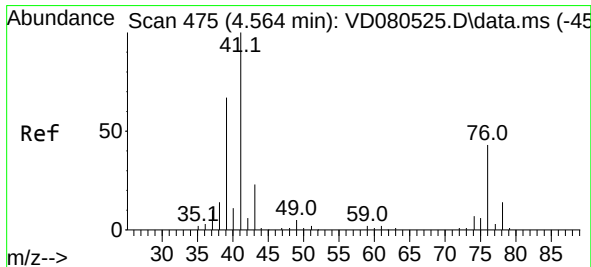
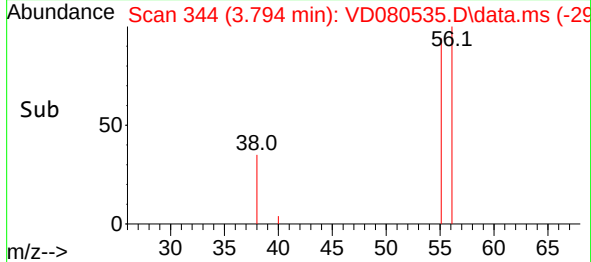
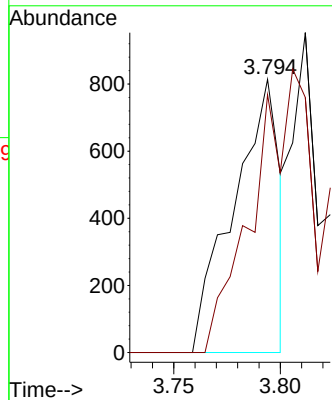
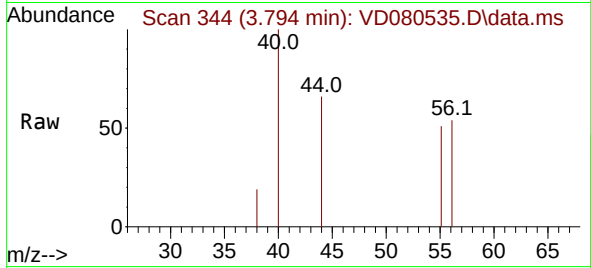
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 56 Resp: 1222

Ion Ratio Lower Upper

56 100

55 145.3 57.2 85.8#



#14

Allyl chloride

Concen: 2.395 ug/l

RT: 4.570 min Scan# 476

Delta R.T. 0.006 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

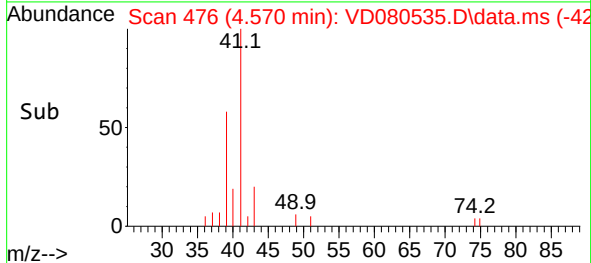
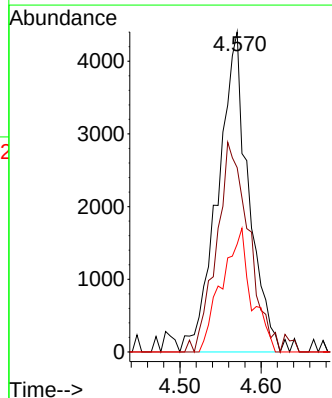
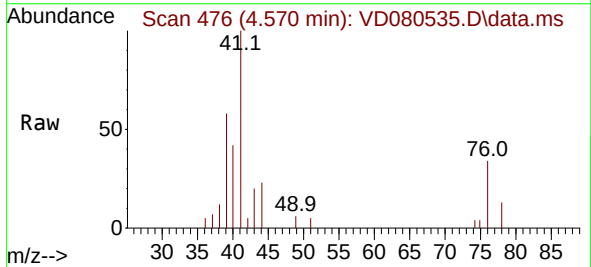
Tgt Ion: 41 Resp: 11589

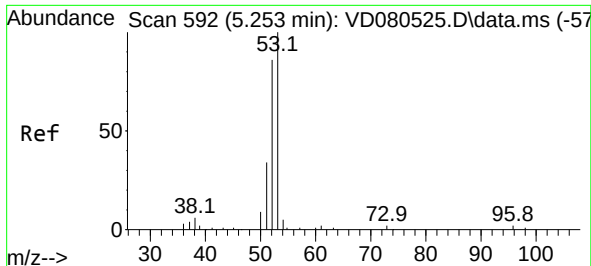
Ion Ratio Lower Upper

41 100

39 68.8 51.4 77.2

76 37.3 32.6 48.8

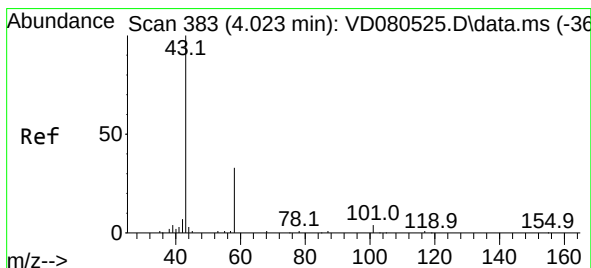
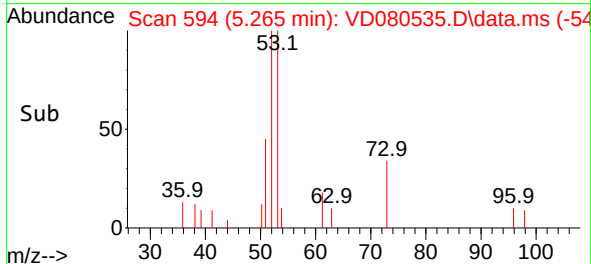
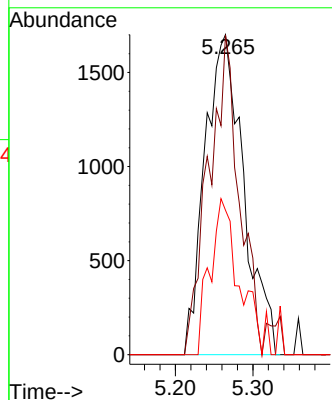
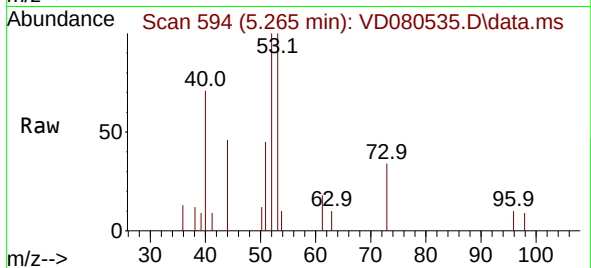




#15  
Acrylonitrile  
Concen: 11.368 ug/l  
RT: 5.265 min Scan# 594  
Delta R.T. 0.012 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

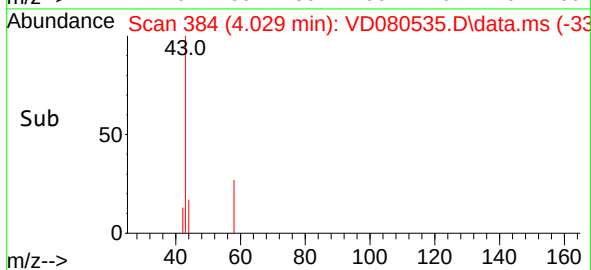
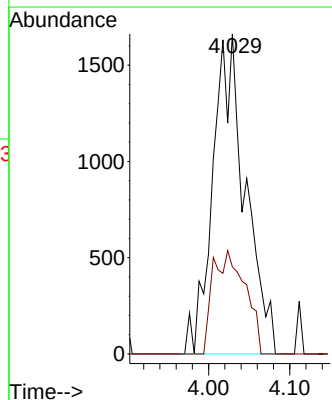
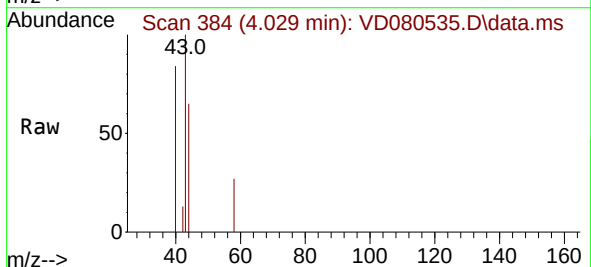
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

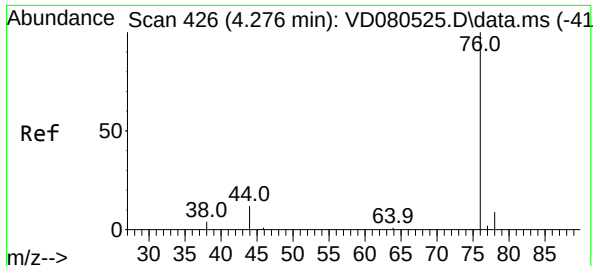
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 5891  |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 79.4  | 64.9  | 97.3  |
| 51       | 36.3  | 28.8  | 43.2  |



#16  
Acetone  
Concen: 13.124 ug/l  
RT: 4.029 min Scan# 384  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 4626  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.3  | 26.6  | 40.0  |





#17

Carbon Disulfide

Concen: 2.403 ug/l

RT: 4.271 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

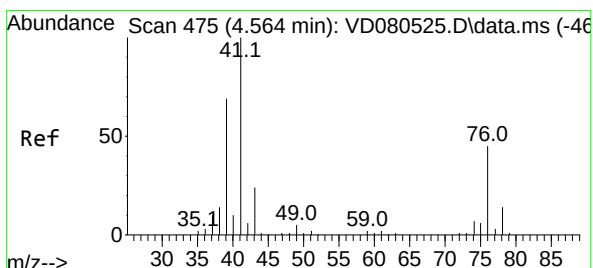
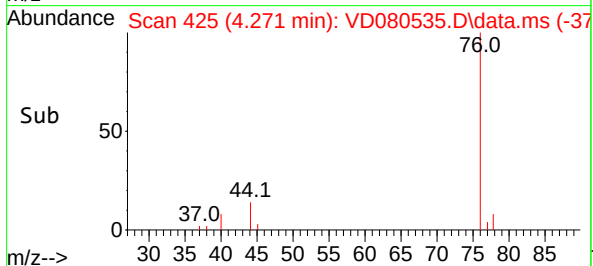
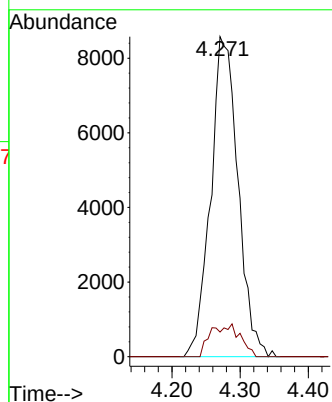
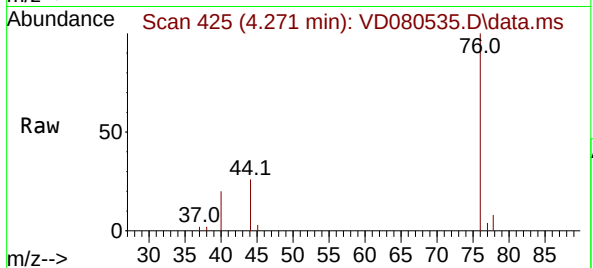
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 76 Resp: 23963

Ion Ratio Lower Upper

76 100

78 7.7 7.0 10.6



#18

Methyl Acetate

Concen: 2.736 ug/l

RT: 4.565 min Scan# 475

Delta R.T. 0.000 min

Lab File: VD080535.D

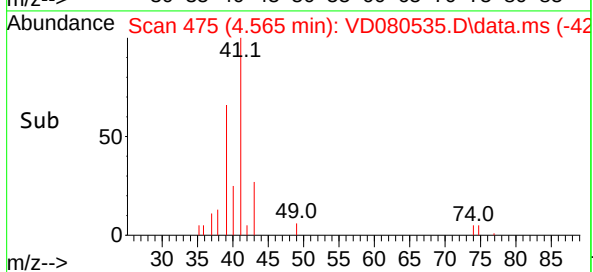
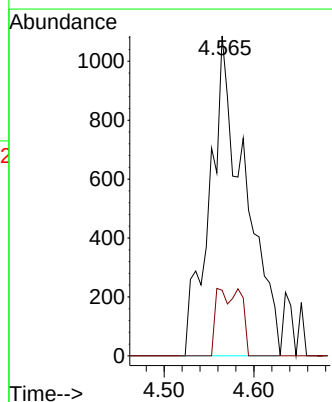
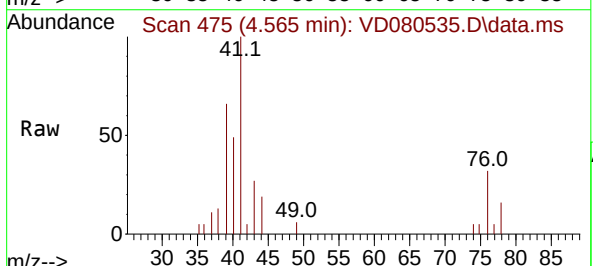
Acq: 18 Nov 2025 12:07

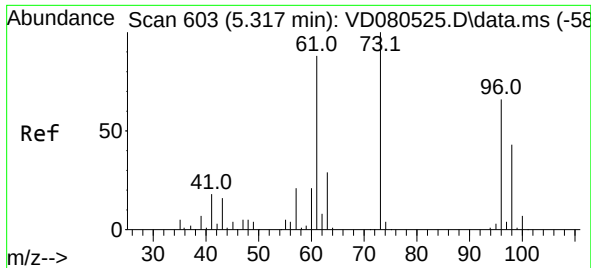
Tgt Ion: 43 Resp: 2966

Ion Ratio Lower Upper

43 100

74 7.5 21.7 32.5#

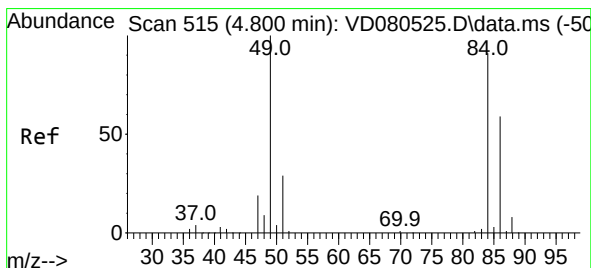
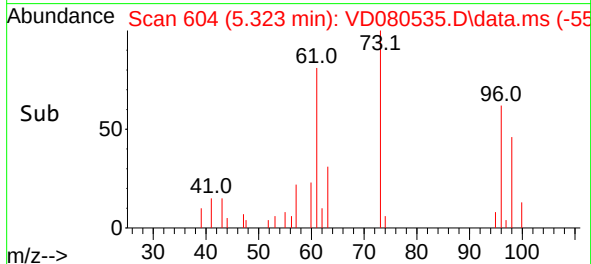
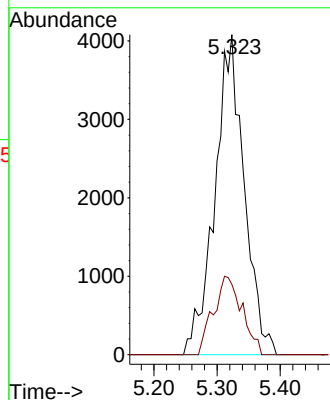
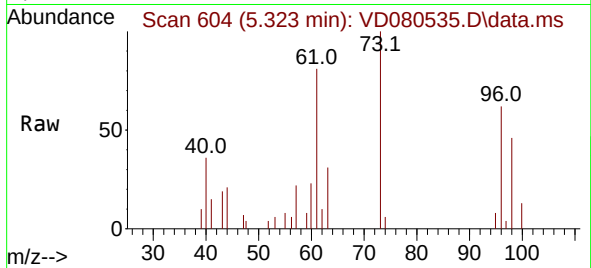




#19  
Methyl tert-butyl Ether  
Concen: 2.399 ug/l  
RT: 5.323 min Scan# 603  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

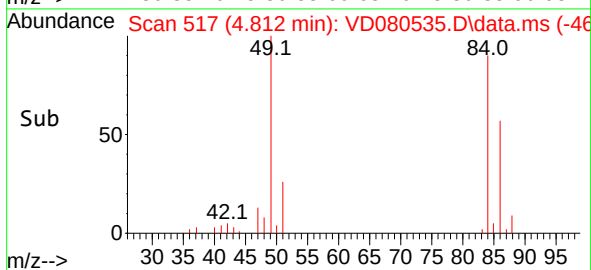
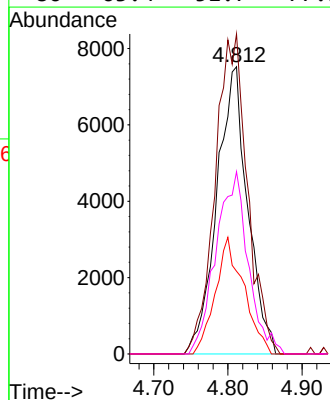
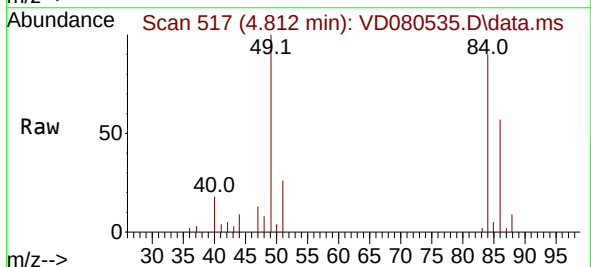
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

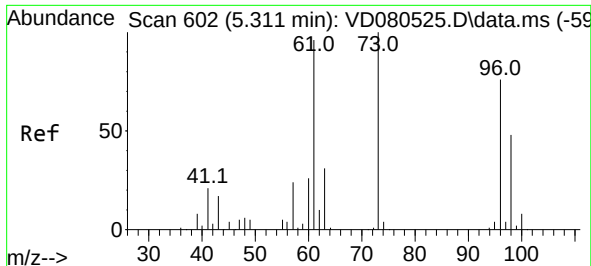
Tgt Ion: 73 Resp: 13176  
Ion Ratio Lower Upper  
73 100  
57 22.0 17.1 25.7



#20  
Methylene Chloride  
Concen: 6.115 ug/l  
RT: 4.812 min Scan# 517  
Delta R.T. 0.012 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

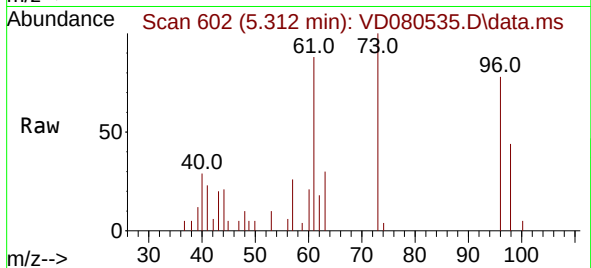
Tgt Ion: 84 Resp: 21759  
Ion Ratio Lower Upper  
84 100  
49 111.4 87.9 131.9  
51 28.8 25.4 38.2  
86 63.4 51.7 77.5



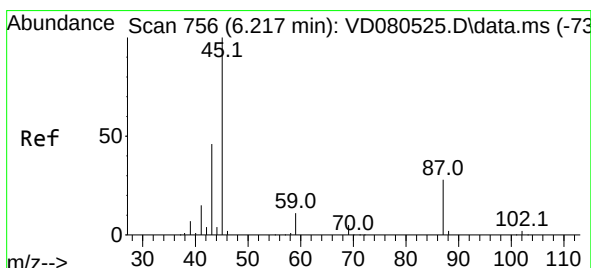
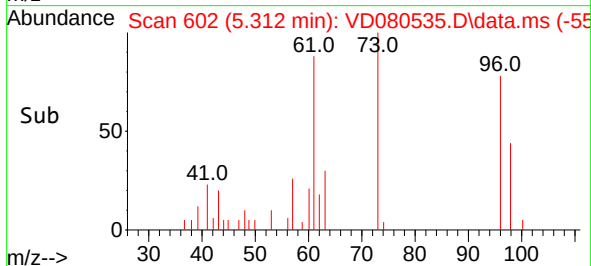
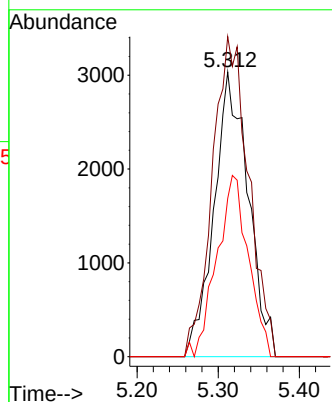


#21  
trans-1,2-Dichloroethene  
Concen: 2.563 ug/l  
RT: 5.312 min Scan# 602  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

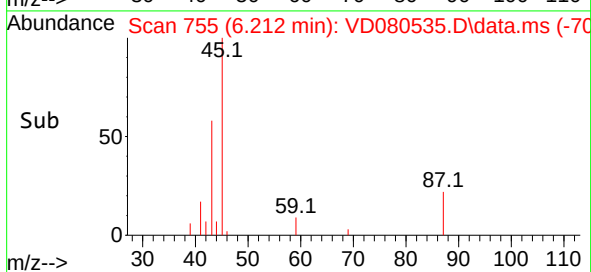
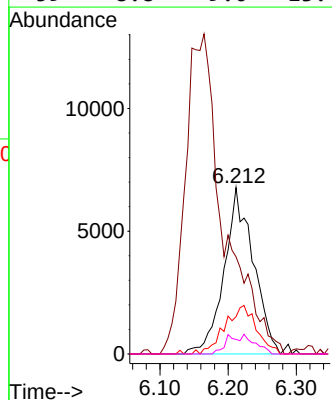
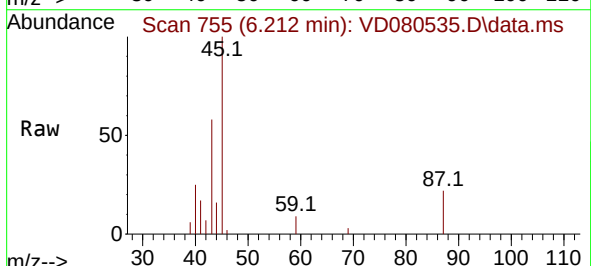


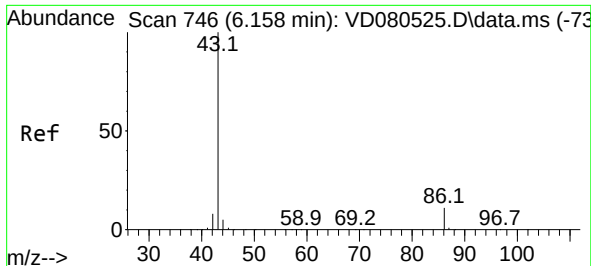
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 8855  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 112.4 | 102.0 | 153.0 |
| 98       | 55.6  | 50.5  | 75.7  |



#22  
Diisopropyl ether  
Concen: 2.308 ug/l  
RT: 6.212 min Scan# 755  
Delta R.T. -0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 45    | Resp: | 20179 |
| Ion      | Ratio | Lower | Upper |
| 45       | 100   |       |       |
| 43       | 52.2  | 40.6  | 60.8  |
| 87       | 22.4  | 23.0  | 34.6# |
| 59       | 8.8   | 9.0   | 13.4# |

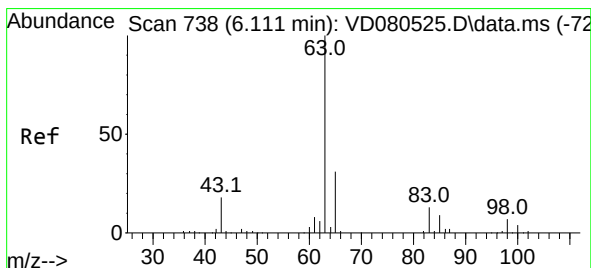
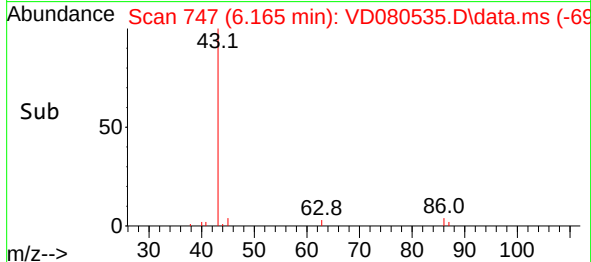
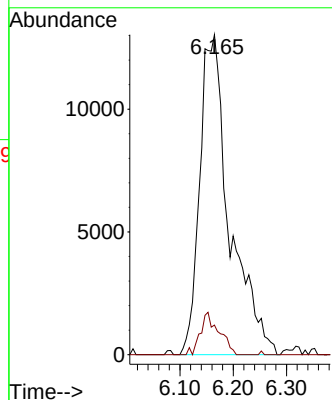
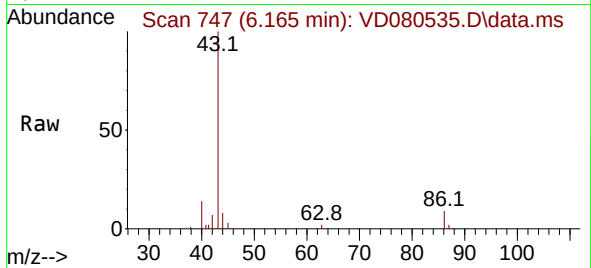




#23  
 Vinyl Acetate  
 Concen: 11.152 ug/l  
 RT: 6.165 min Scan# 746  
 Delta R.T. 0.006 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

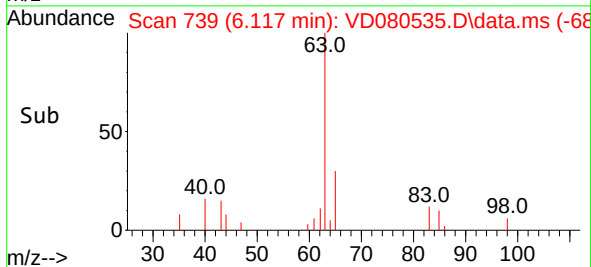
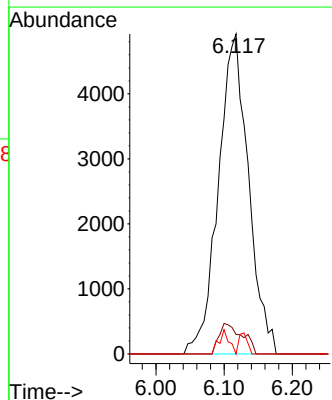
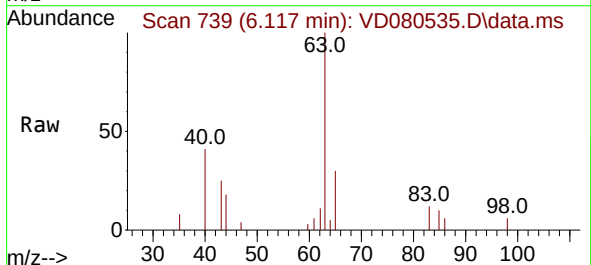
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 43 Resp: 50779  
 Ion Ratio Lower Upper  
 43 100  
 86 9.3 9.1 13.7

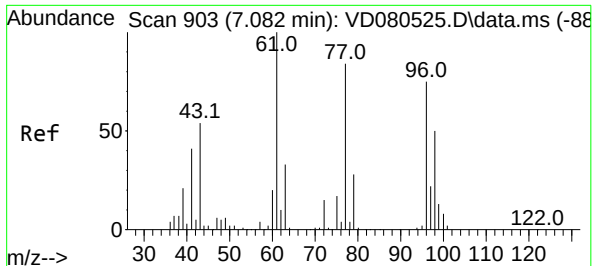


#24  
 1,1-Dichloroethane  
 Concen: 2.526 ug/l  
 RT: 6.117 min Scan# 739  
 Delta R.T. 0.006 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

Tgt Ion: 63 Resp: 15101  
 Ion Ratio Lower Upper  
 63 100  
 98 6.1 3.5 10.4  
 100 0.0 2.0 6.0#







#25

2-Butanone

Concen: 6.879 ug/l

RT: 7.076 min Scan# 902

Delta R.T. -0.006 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

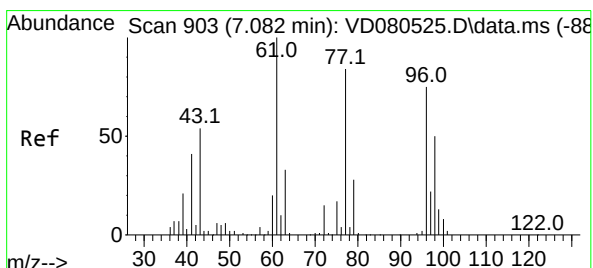
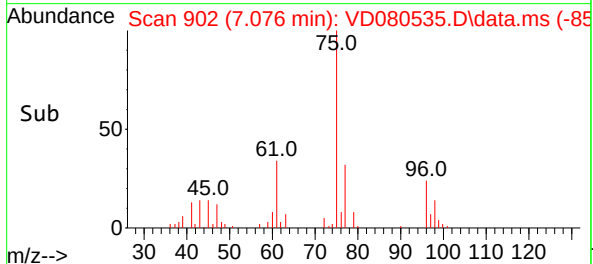
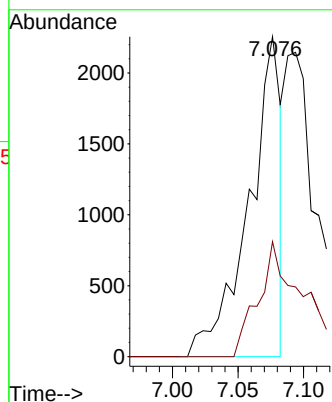
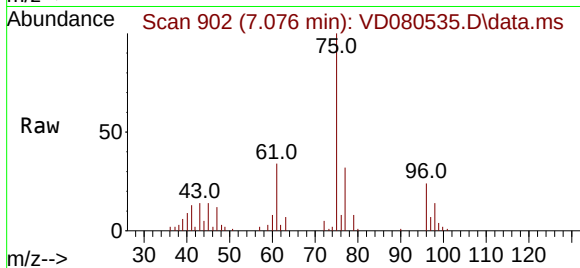
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 43 Resp: 3802

Ion Ratio Lower Upper

43 100

72 35.9 22.6 34.0#



#26

2,2-Dichloropropane

Concen: 2.994 ug/l

RT: 7.076 min Scan# 902

Delta R.T. -0.006 min

Lab File: VD080535.D

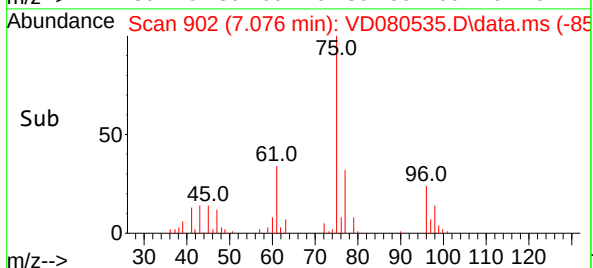
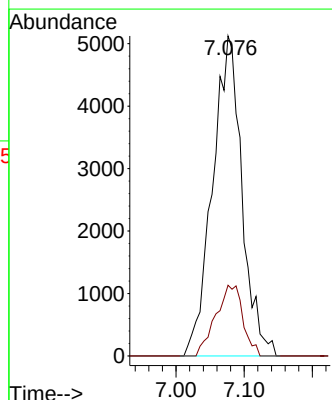
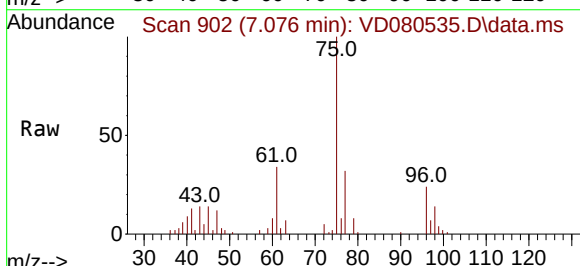
Acq: 18 Nov 2025 12:07

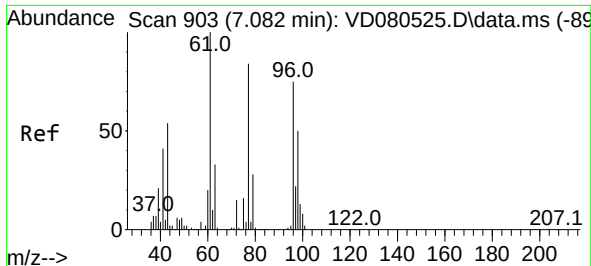
Tgt Ion: 77 Resp: 15395

Ion Ratio Lower Upper

77 100

97 20.4 12.4 37.4

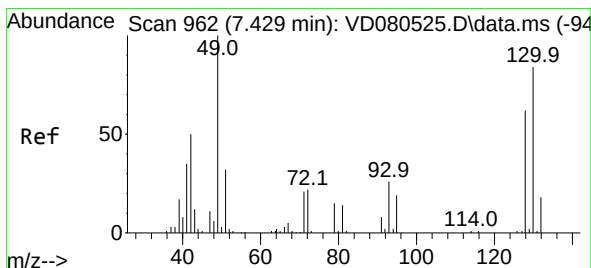
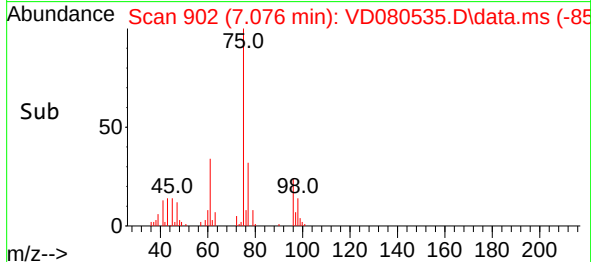
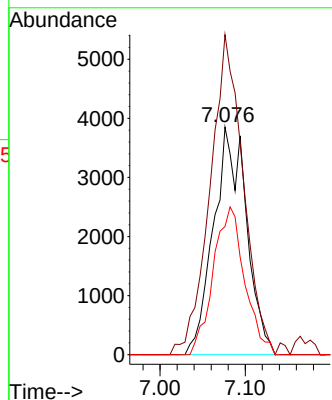
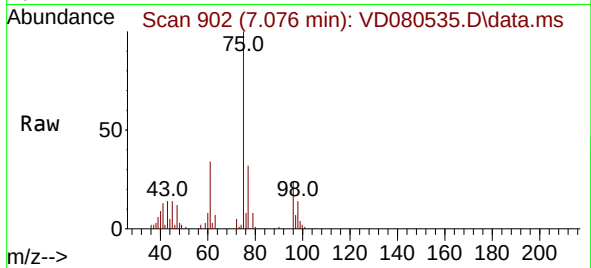




#27  
 cis-1,2-Dichloroethene  
 Concen: 2.564 ug/l  
 RT: 7.076 min Scan# 903  
 Delta R.T. -0.006 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

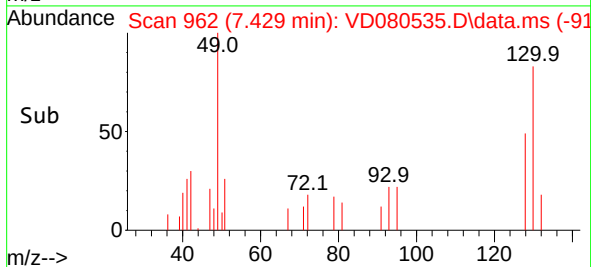
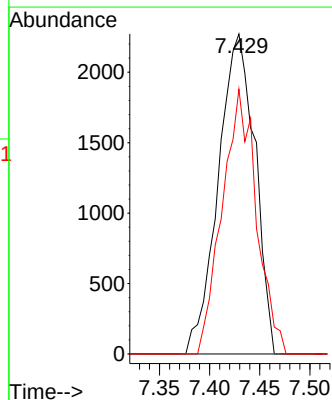
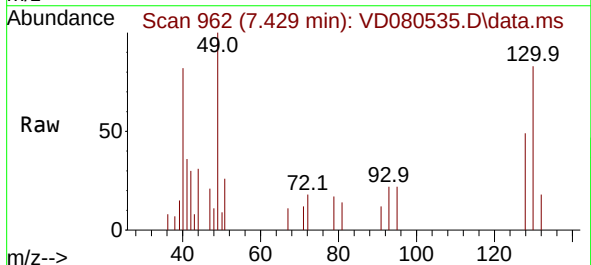
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2025

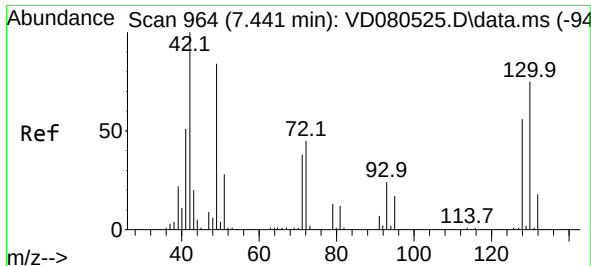
|             |             |       |       |
|-------------|-------------|-------|-------|
| Tgt Ion: 96 | Resp: 10323 |       |       |
| Ion Ratio   | Lower       | Upper |       |
| 96          | 100         |       |       |
| 61          | 141.9       | 0.0   | 271.8 |
| 98          | 62.0        | 0.0   | 130.6 |



#28  
 Bromochloromethane  
 Concen: 2.644 ug/l  
 RT: 7.429 min Scan# 962  
 Delta R.T. 0.000 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

|             |             |
|-------------|-------------|
| Tgt Ion: 49 | Resp: 5785  |
| Ion Ratio   | Lower Upper |
| 49 100      |             |
| 129 0.0     | 0.0 4.4     |
| 130 77.1    | 64.3 96.5   |





#29

Tetrahydrofuran

Concen: 12.593 ug/l

RT: 7.447 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

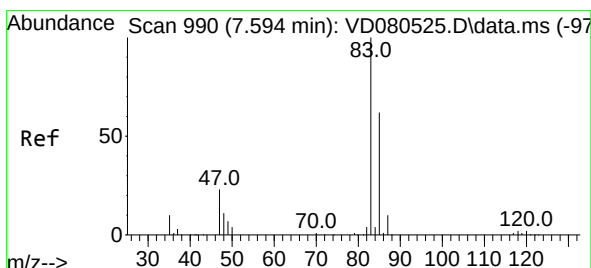
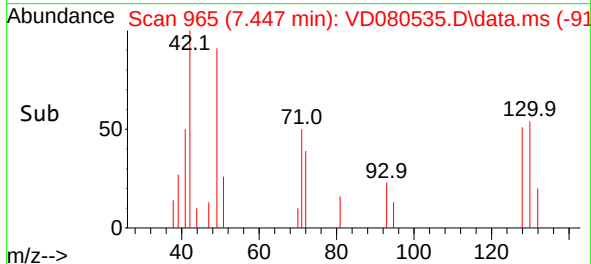
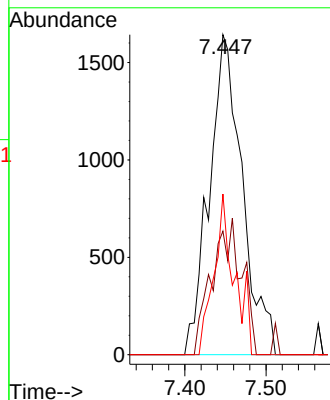
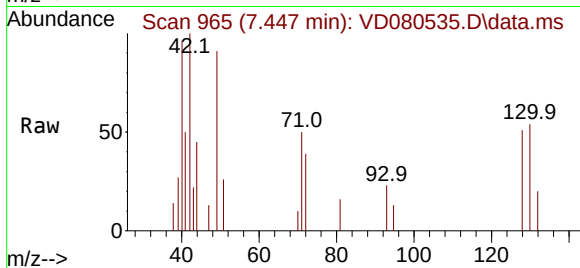
Tgt Ion: 42 Resp: 4637

Ion Ratio Lower Upper

42 100

72 38.5 35.4 53.2

71 31.0 32.2 48.4#



#30

Chloroform

Concen: 2.387 ug/l

RT: 7.594 min Scan# 990

Delta R.T. 0.000 min

Lab File: VD080535.D

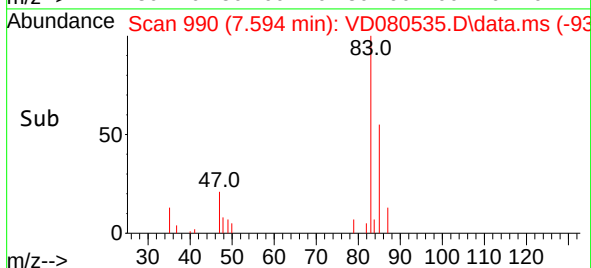
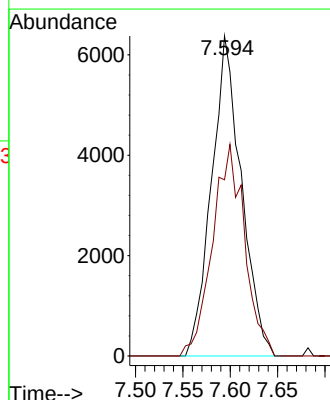
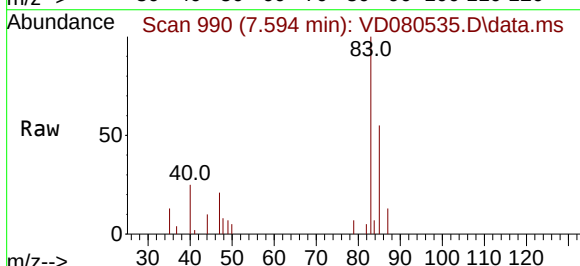
Acq: 18 Nov 2025 12:07

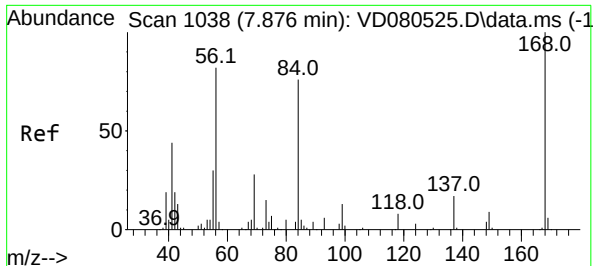
Tgt Ion: 83 Resp: 13996

Ion Ratio Lower Upper

83 100

85 55.0 49.8 74.8

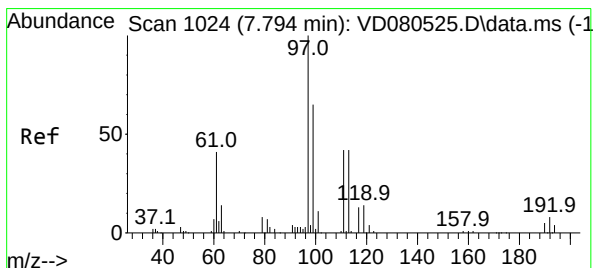
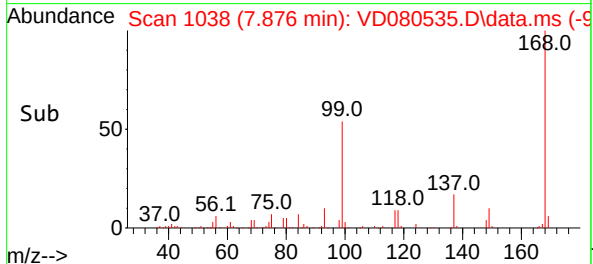
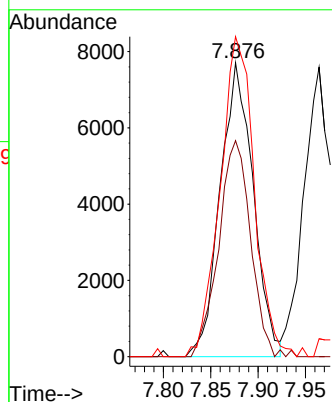
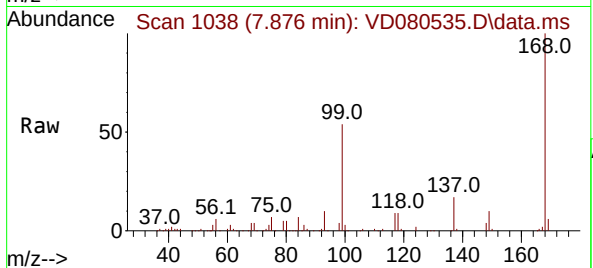




#31  
Cyclohexane  
Concen: 3.275 ug/l  
RT: 7.876 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

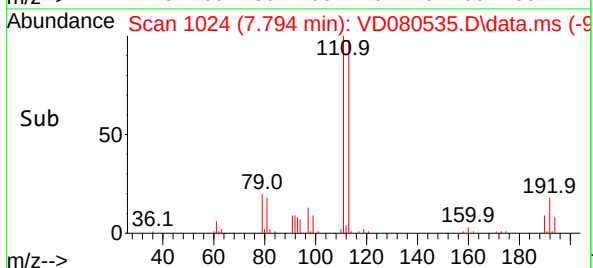
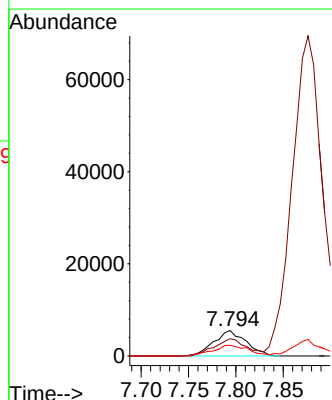
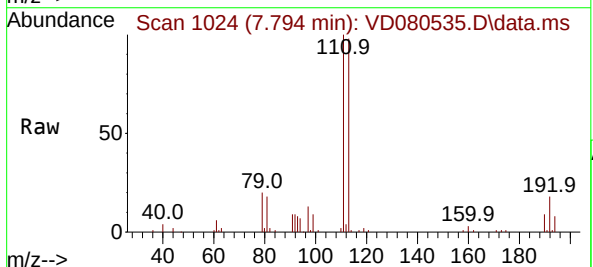
Instrument : MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

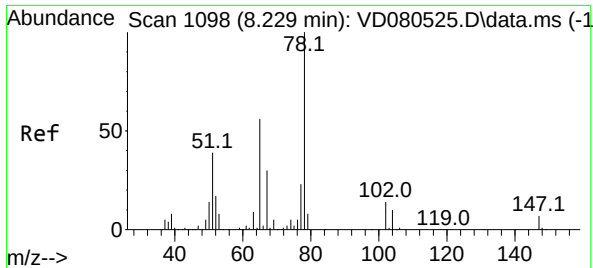
Tgt Ion: 56 Resp: 18752  
Ion Ratio Lower Upper  
56 100  
69 73.5 27.6 41.4#  
84 108.9 74.6 111.8



#32  
1,1,1-Trichloroethane  
Concen: 2.525 ug/l  
RT: 7.794 min Scan# 1024  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 97 Resp: 13002  
Ion Ratio Lower Upper  
97 100  
99 68.6 50.4 75.6  
61 46.6 32.8 49.2





#33

1,2-Dichloroethane-d4

Concen: 46.820 ug/l

RT: 8.229 min Scan# 1109

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

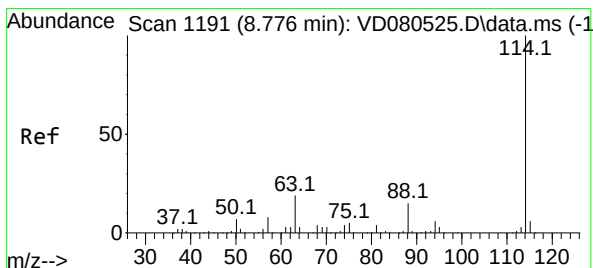
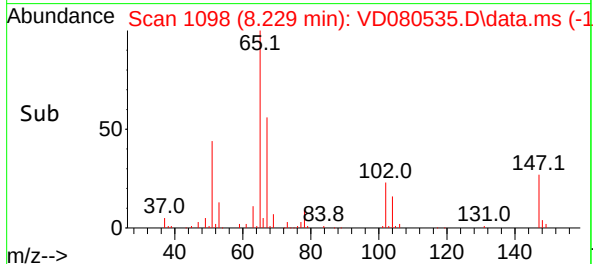
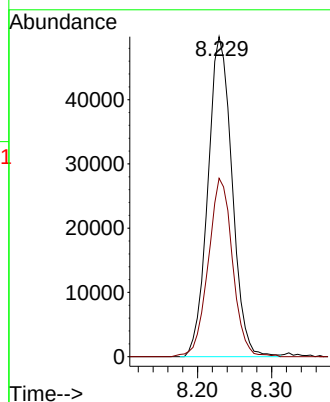
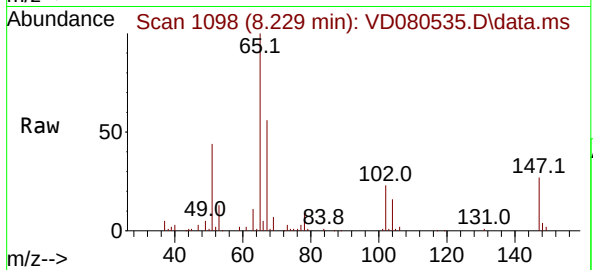
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 65 Resp: 112884

Ion Ratio Lower Upper

65 100

67 56.0 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.776 min Scan# 1191

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

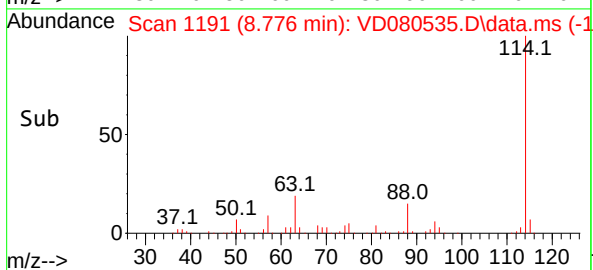
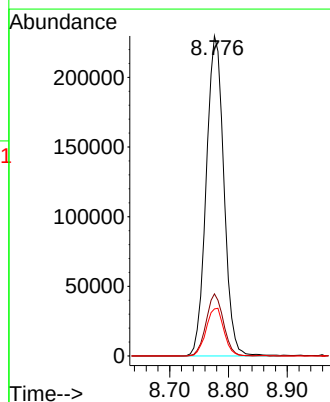
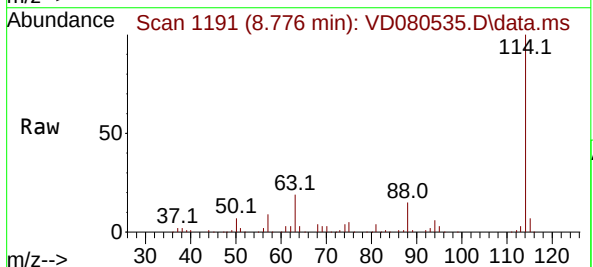
Tgt Ion: 114 Resp: 477596

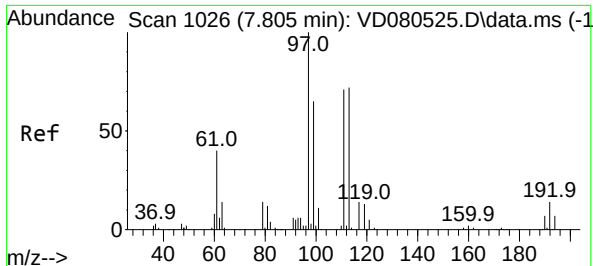
Ion Ratio Lower Upper

114 100

63 19.4 0.0 38.2

88 14.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.715 ug/l

RT: 7.806 min Scan# 1060

Delta R.T. 0.000 min

Lab File: VD080535.D

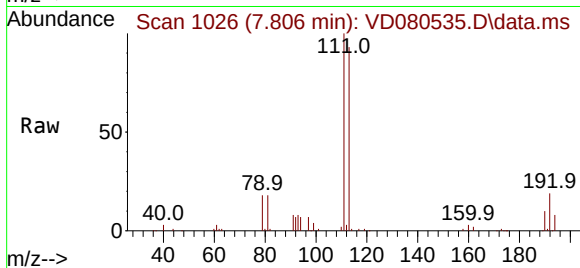
Acq: 18 Nov 2025 12:07

Instrument :

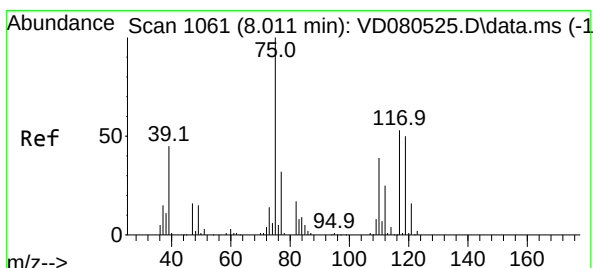
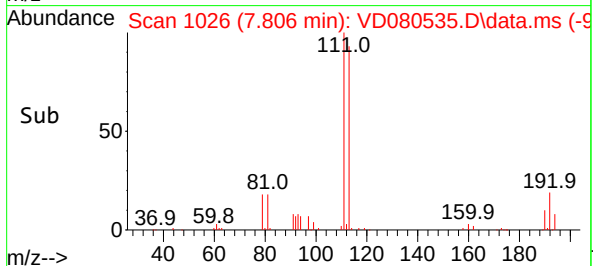
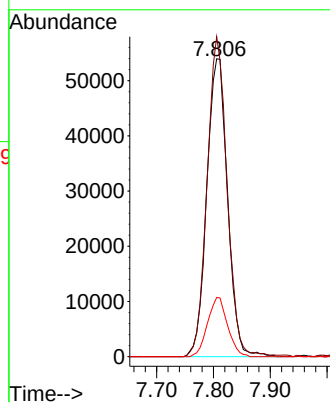
MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 113   | Resp: | 136972 |
| Ion      | Ratio | Lower | Upper  |
| 113      | 100   |       |        |
| 111      | 103.3 | 82.2  | 123.2  |
| 192      | 19.1  | 16.0  | 24.0   |



#36

1,1-Dichloropropene

Concen: 2.687 ug/l

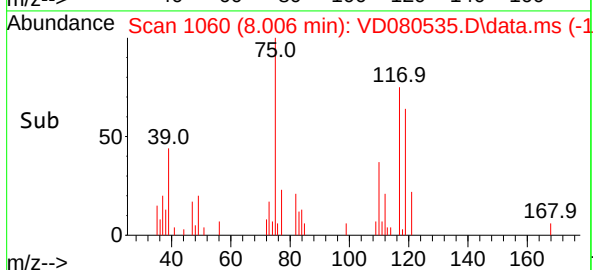
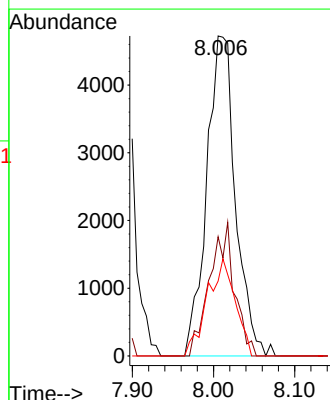
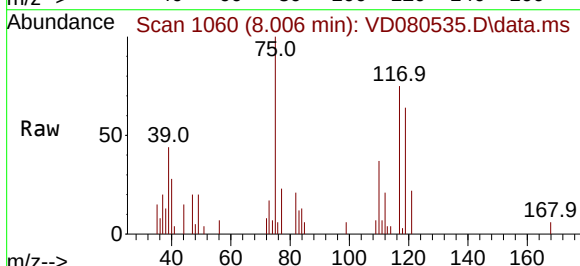
RT: 8.006 min Scan# 1060

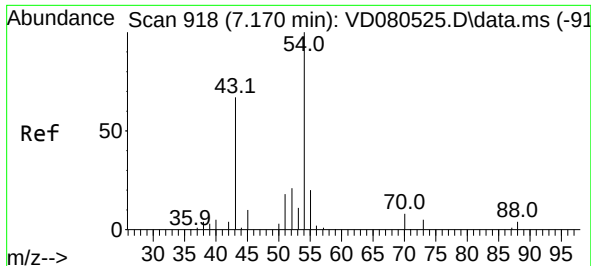
Delta R.T. -0.006 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11679 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 35.8  | 18.9  | 56.5  |
| 77       | 29.4  | 25.8  | 38.8  |

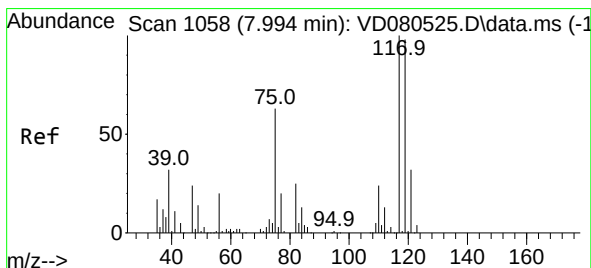
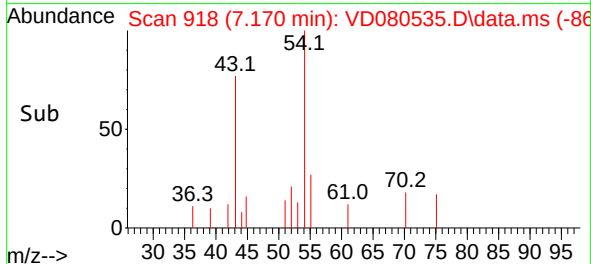
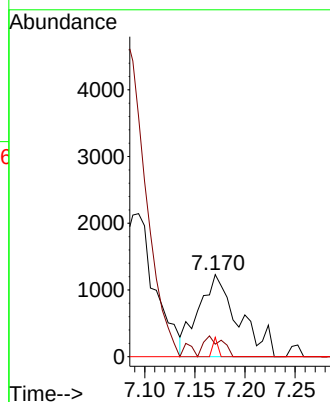
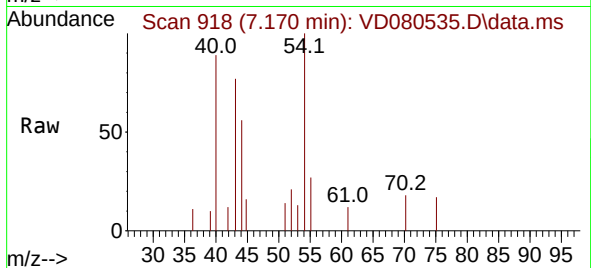




#37  
Ethyl Acetate  
Concen: 2.597 ug/l  
RT: 7.170 min Scan# 918  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

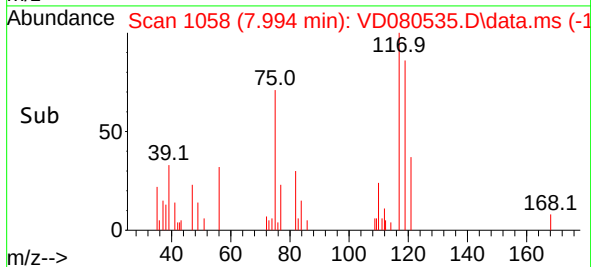
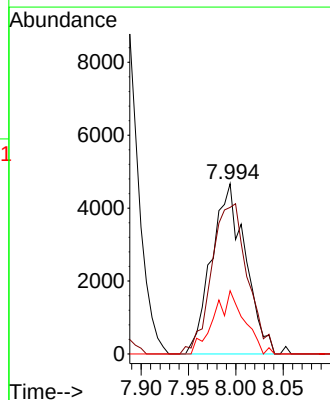
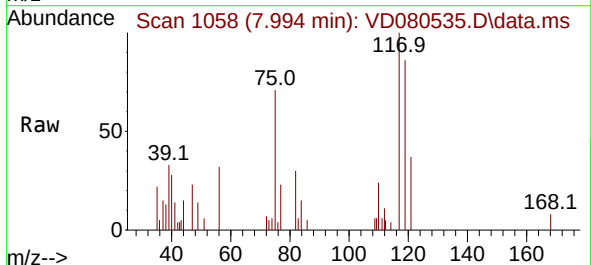
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

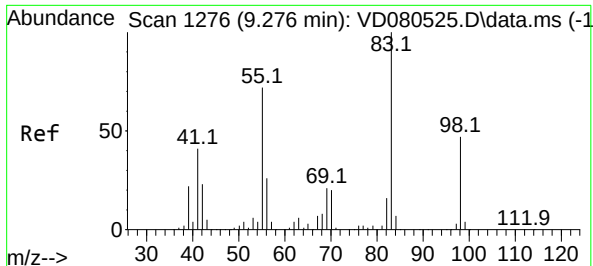
Tgt Ion: 43 Resp: 3415  
Ion Ratio Lower Upper  
43 100  
61 0.0 11.9 17.9#  
70 3.0 8.2 12.2#



#38  
Carbon Tetrachloride  
Concen: 2.655 ug/l  
RT: 7.994 min Scan# 1058  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 117 Resp: 11597  
Ion Ratio Lower Upper  
117 100  
119 86.1 78.2 117.4  
121 37.1 25.8 38.6





#39

Methylcyclohexane

Concen: 2.734 ug/l

RT: 9.276 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

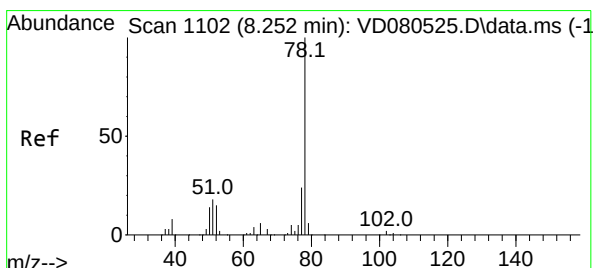
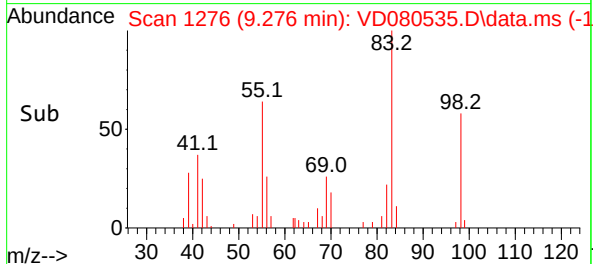
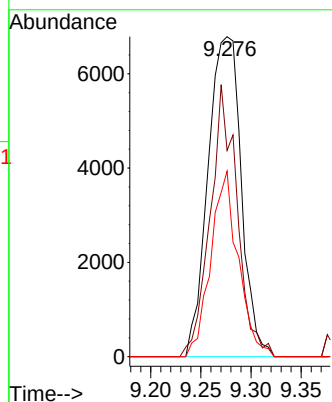
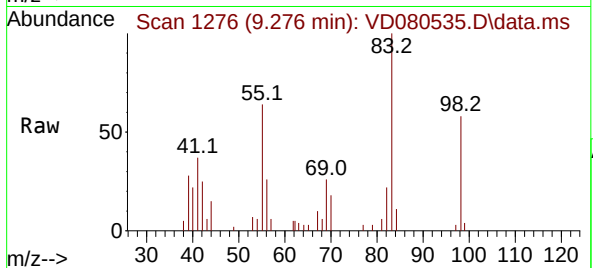
Tgt Ion: 83 Resp: 15677

Ion Ratio Lower Upper

83 100

55 64.4 57.8 86.8

98 57.9 37.8 56.8#



#40

Benzene

Concen: 2.481 ug/l

RT: 8.253 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VD080535.D

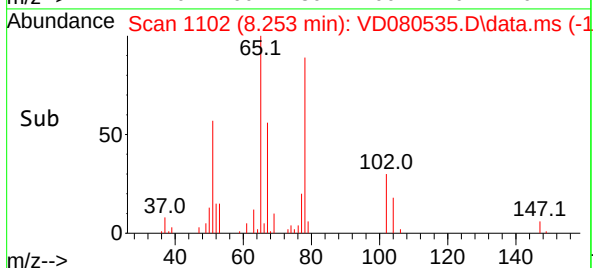
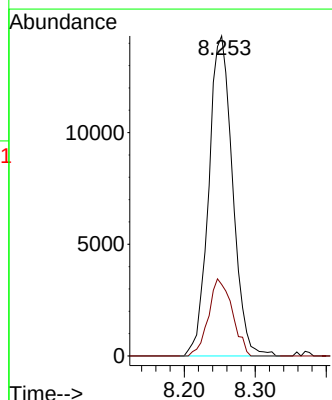
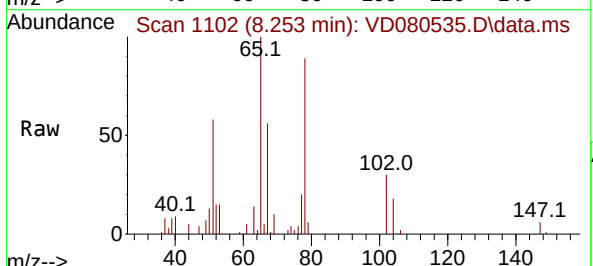
Acq: 18 Nov 2025 12:07

Tgt Ion: 78 Resp: 33397

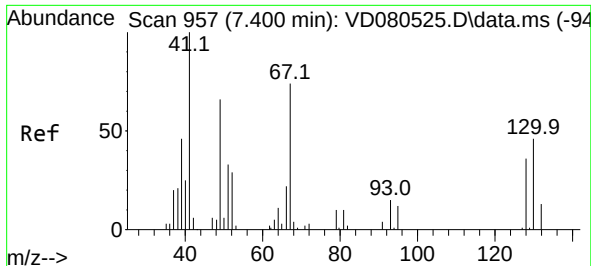
Ion Ratio Lower Upper

78 100

77 22.3 19.3 28.9



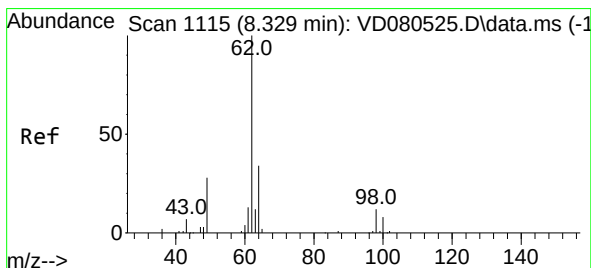
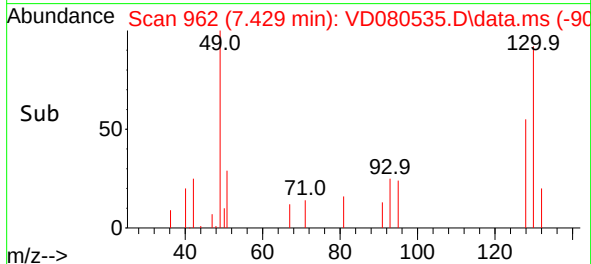
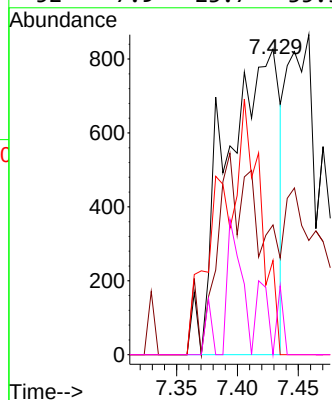
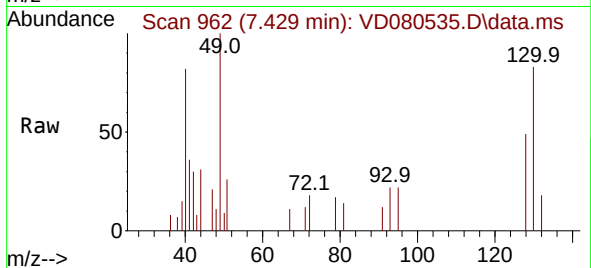




#41  
Methacrylonitrile  
Concen: 2.939 ug/l  
RT: 7.429 min Scan# 912  
Delta R.T. 0.030 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

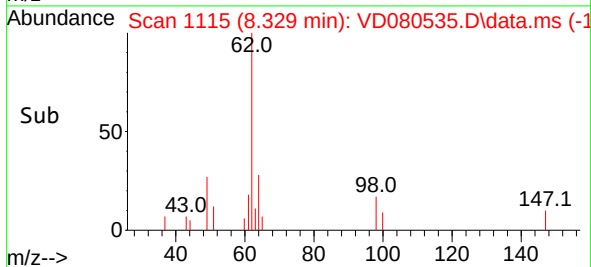
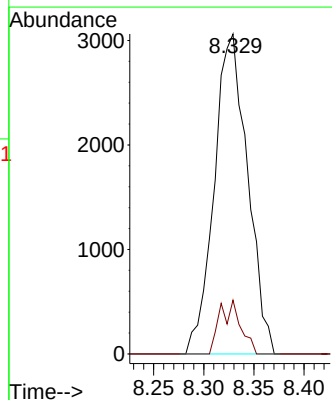
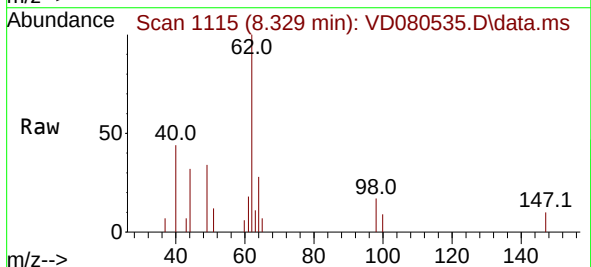
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

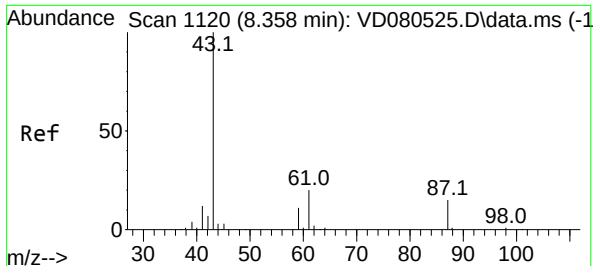
Tgt Ion: 41 Resp: 2524  
Ion Ratio Lower Upper  
41 100  
39 0.0 44.3 66.5#  
67 0.0 64.0 96.0#  
52 7.9 23.7 35.5#



#42  
1,2-Dichloroethane  
Concen: 2.523 ug/l  
RT: 8.329 min Scan# 1115  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 62 Resp: 7088  
Ion Ratio Lower Upper  
62 100  
98 10.5 0.0 22.8





#43

Isopropyl Acetate

Concen: 2.337 ug/l

RT: 8.359 min Scan# 1120

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

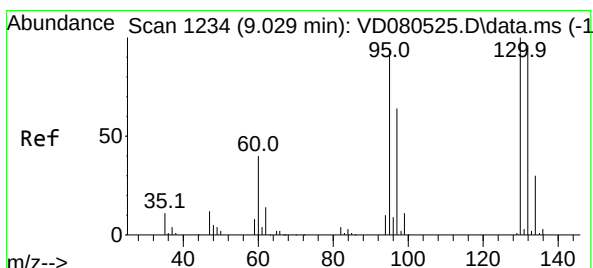
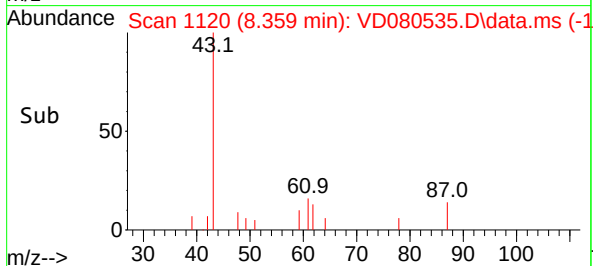
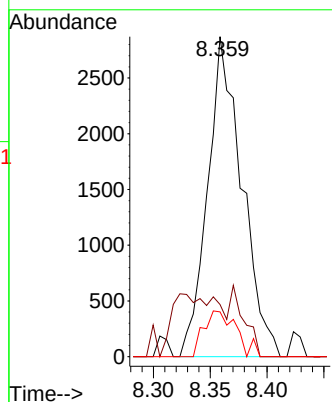
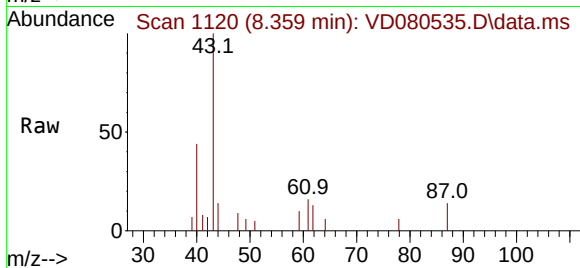
Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 6026     |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 0.0 26.3 39.5# |
| 87          | 13.6 11.1 16.7 |



#44

Trichloroethene

Concen: 2.701 ug/l

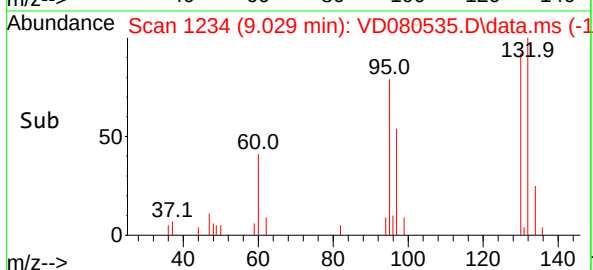
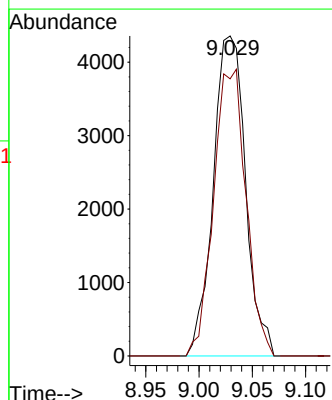
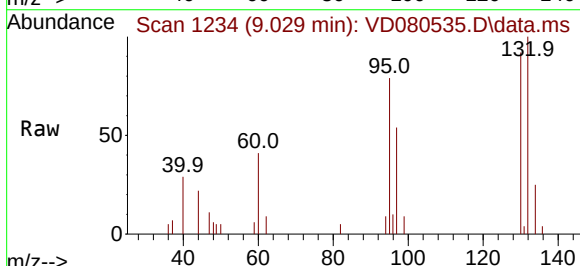
RT: 9.029 min Scan# 1234

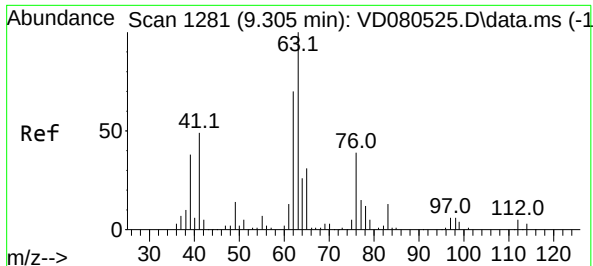
Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

|              |                |
|--------------|----------------|
| Tgt Ion: 130 | Resp: 9189     |
| Ion Ratio    | Lower Upper    |
| 130          | 100            |
| 95           | 86.6 0.0 188.2 |





#45

1,2-Dichloropropane

Concen: 2.440 ug/l

RT: 9.311 min Scan# 1282

Delta R.T. 0.006 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

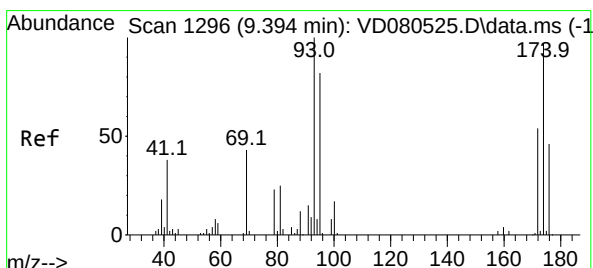
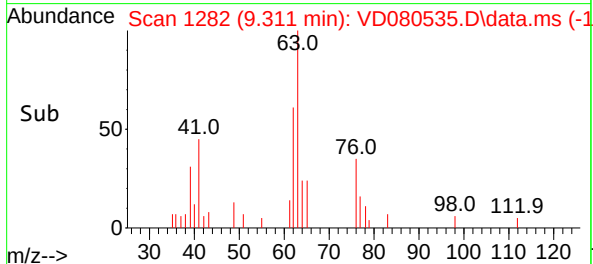
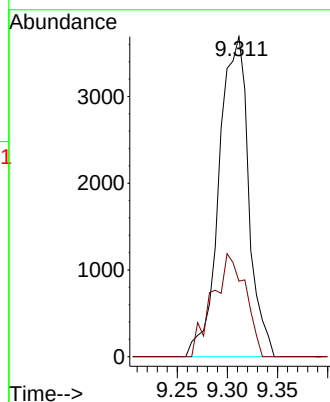
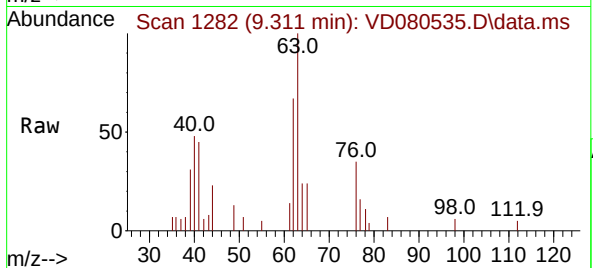
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 63 Resp: 7520

Ion Ratio Lower Upper

63 100

65 23.6 24.9 37.3#



#46

Dibromomethane

Concen: 2.430 ug/l

RT: 9.394 min Scan# 1296

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

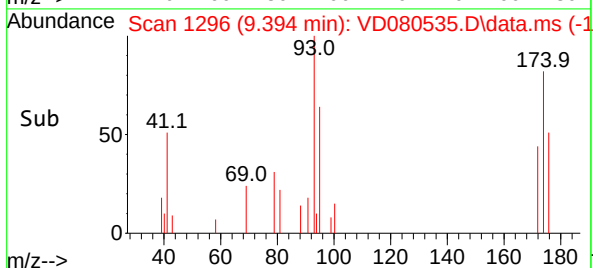
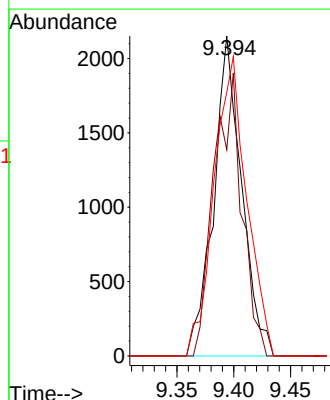
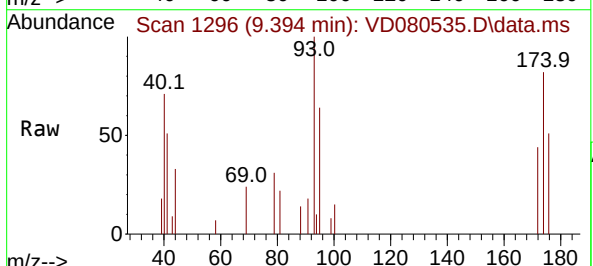
Tgt Ion: 93 Resp: 3694

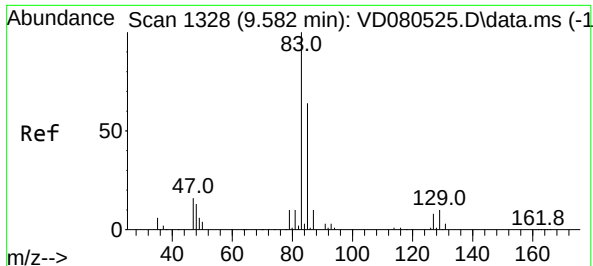
Ion Ratio Lower Upper

93 100

95 88.7 68.2 102.2

174 108.9 79.5 119.3

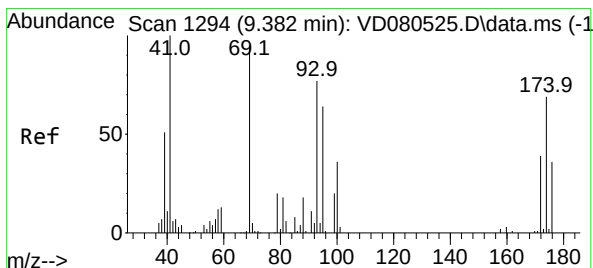
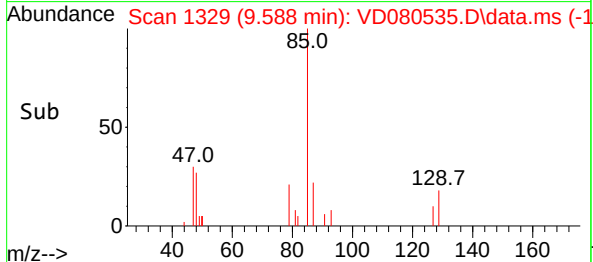
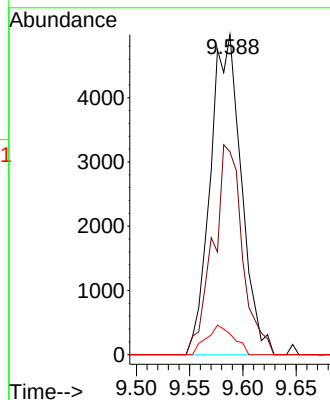
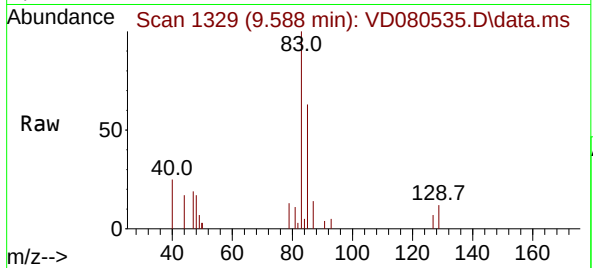




#47  
Bromodichloromethane  
Concen: 2.452 ug/l  
RT: 9.588 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

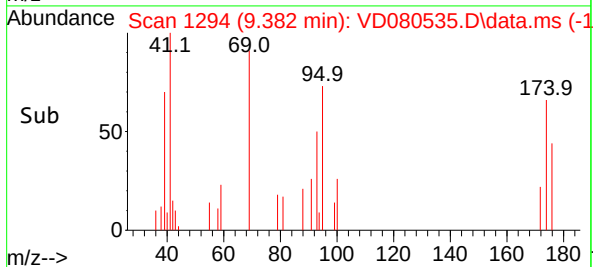
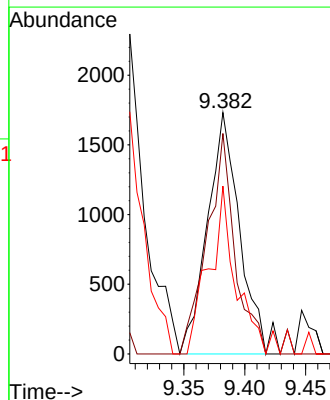
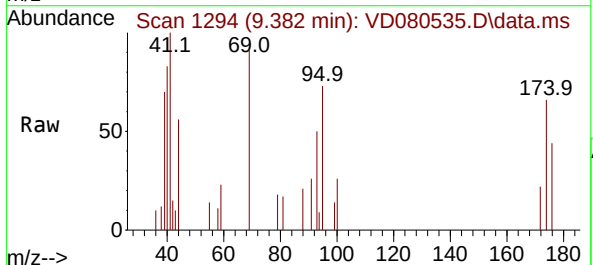
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

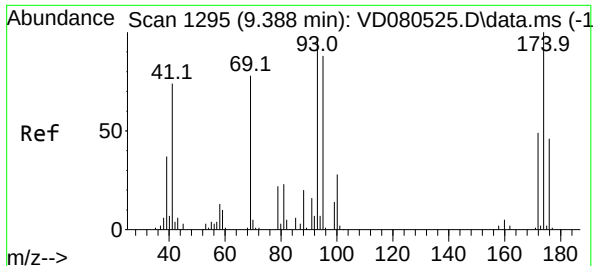
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 83 | Resp: | 10066       |
| Ion         | Ratio | Lower Upper |
| 83          | 100   |             |
| 85          | 63.4  | 51.0 76.6   |
| 127         | 6.5   | 6.5 9.7     |



#48  
Methyl methacrylate  
Concen: 2.521 ug/l  
RT: 9.382 min Scan# 1294  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 41 | Resp: | 3227        |
| Ion         | Ratio | Lower Upper |
| 41          | 100   |             |
| 69          | 78.4  | 74.5 111.7  |
| 39          | 56.6  | 40.6 61.0   |





#49

1,4-Dioxane

Concen: 21.174 ug/l

RT: 9.382 min Scan# 1294

Delta R.T. -0.006 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

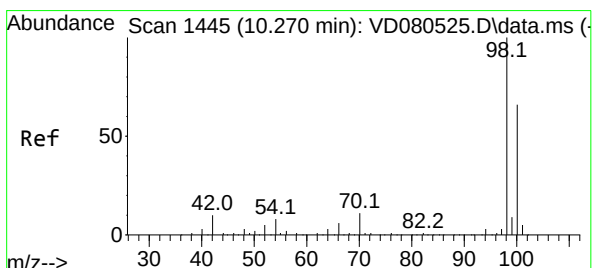
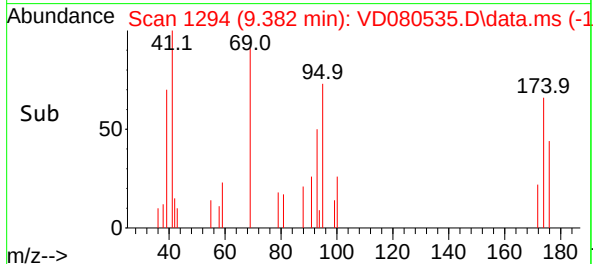
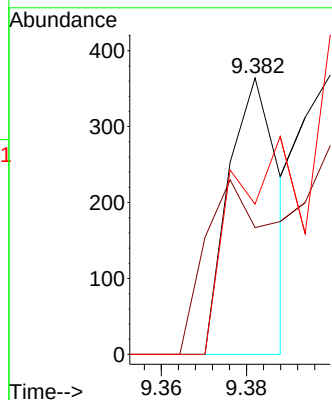
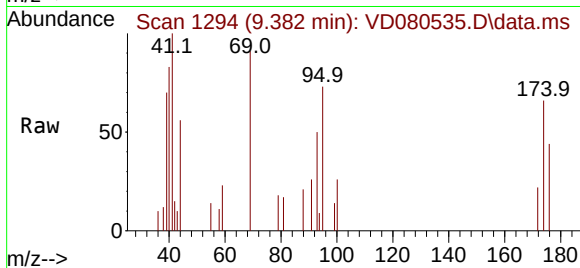
Tgt Ion: 88 Resp: 300

Ion Ratio Lower Upper

88 100

43 65.0 28.0 42.0#

58 0.0 52.7 79.1#



#50

Toluene-d8

Concen: 48.832 ug/l

RT: 10.270 min Scan# 1445

Delta R.T. 0.000 min

Lab File: VD080535.D

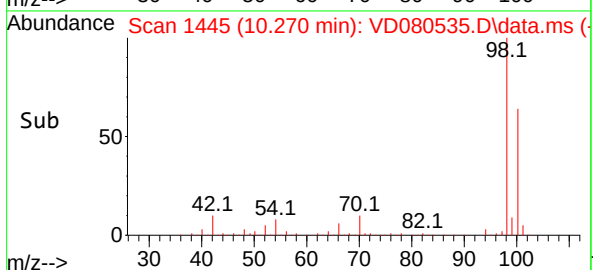
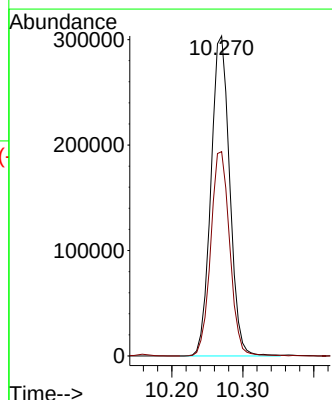
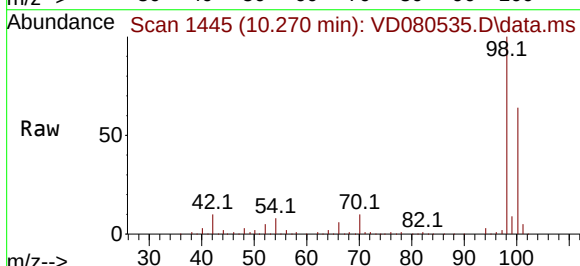
Acq: 18 Nov 2025 12:07

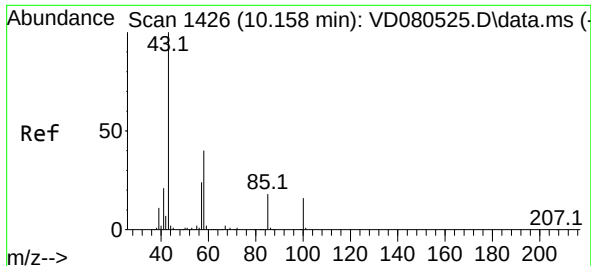
Tgt Ion: 98 Resp: 555444

Ion Ratio Lower Upper

98 100

100 64.7 52.0 78.0

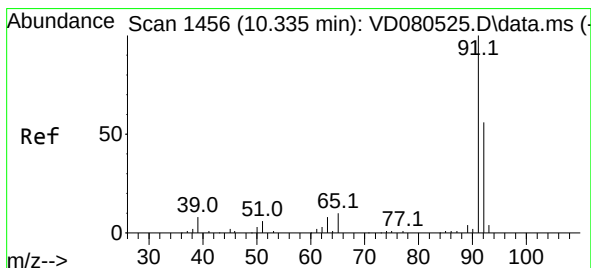
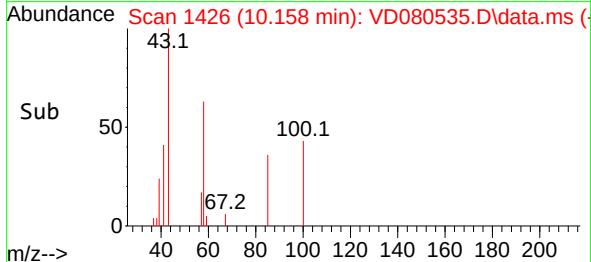
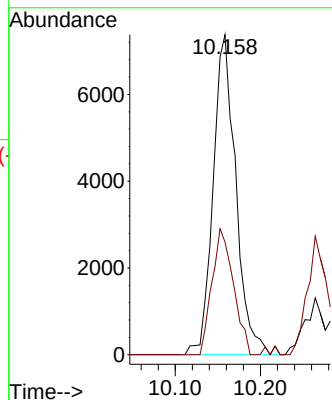
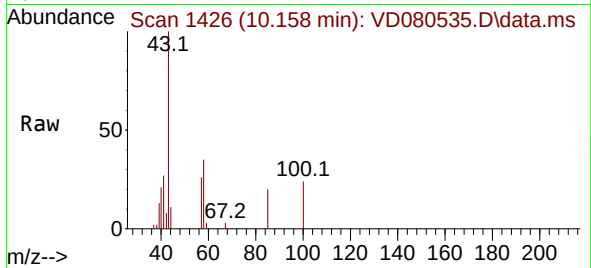




#51  
4-Methyl-2-Pentanone  
Concen: 11.433 ug/l  
RT: 10.158 min Scan# 1426  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

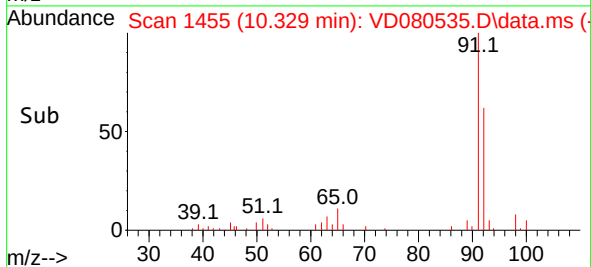
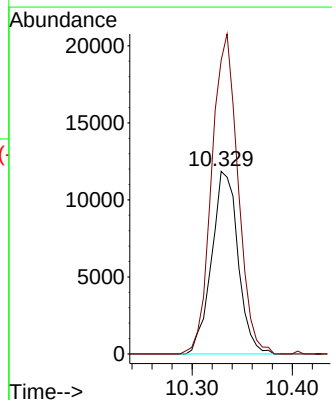
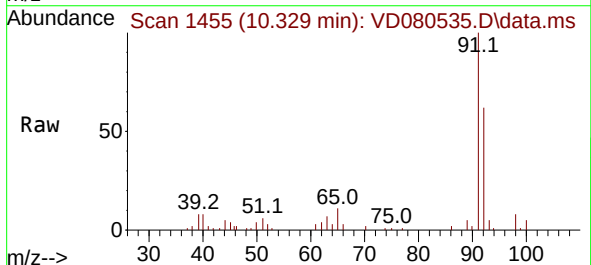
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

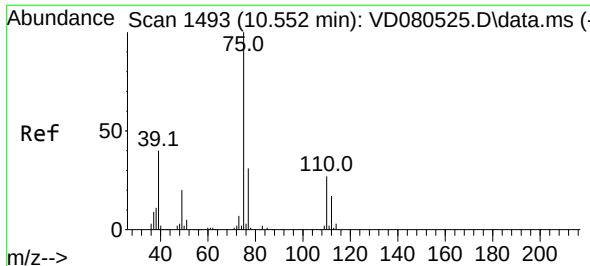
Tgt Ion: 43 Resp: 13680  
Ion Ratio Lower Upper  
43 100  
58 37.1 32.8 49.2



#52  
Toluene  
Concen: 2.544 ug/l  
RT: 10.329 min Scan# 1455  
Delta R.T. -0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 92 Resp: 21653  
Ion Ratio Lower Upper  
92 100  
91 174.4 137.0 205.6

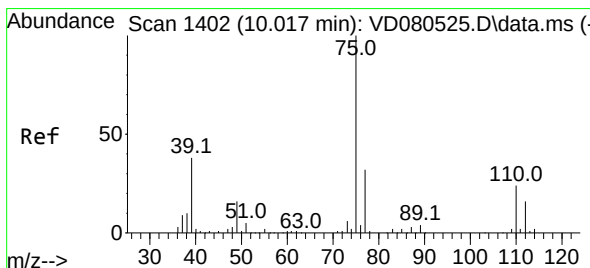
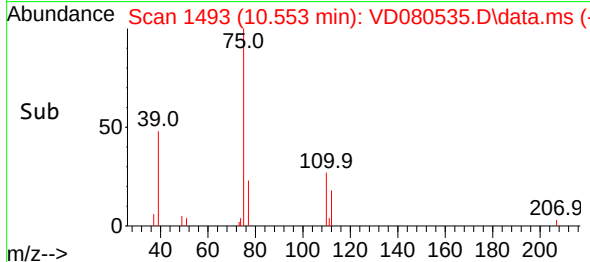
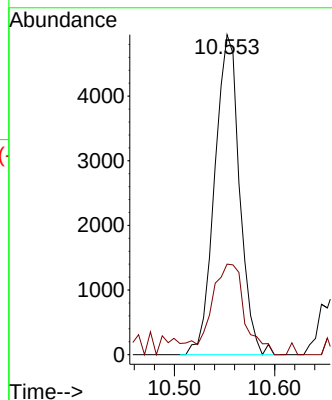
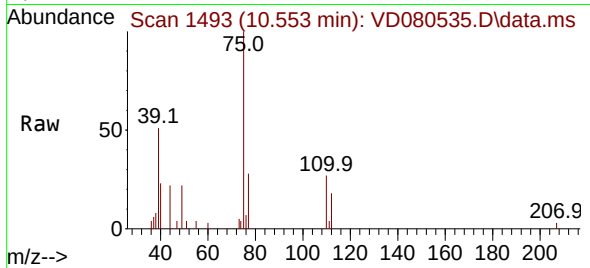




#53  
 t-1,3-Dichloropropene  
 Concen: 2.348 ug/l  
 RT: 10.553 min Scan# 1493  
 Delta R.T. 0.000 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

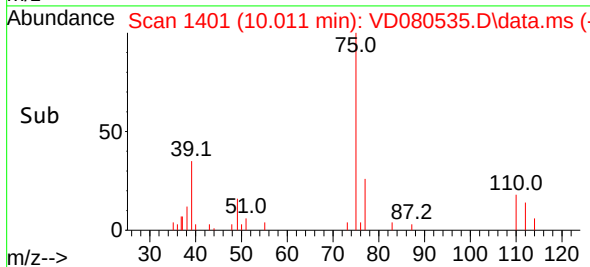
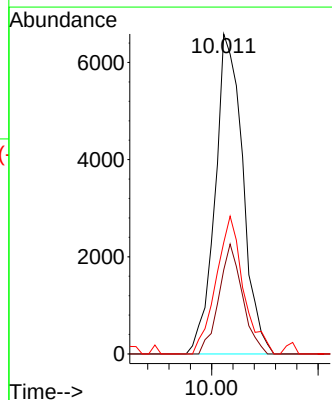
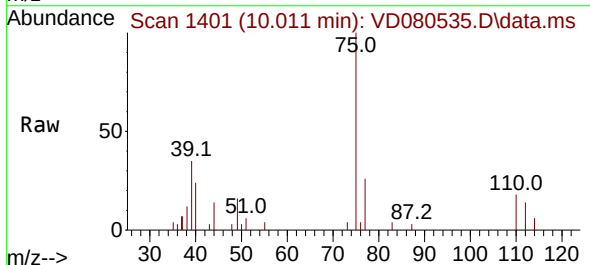
Instrument : MSVOA\_D  
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

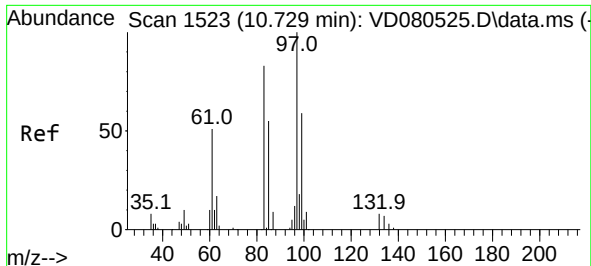
Tgt Ion: 75 Resp: 8542  
 Ion Ratio Lower Upper  
 75 100  
 77 28.3 24.7 37.1



#54  
 cis-1,3-Dichloropropene  
 Concen: 2.524 ug/l  
 RT: 10.011 min Scan# 1401  
 Delta R.T. -0.006 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

Tgt Ion: 75 Resp: 11840  
 Ion Ratio Lower Upper  
 75 100  
 77 26.2 25.8 38.6  
 39 34.8 30.7 46.1

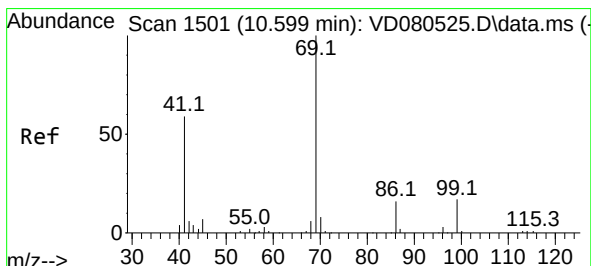
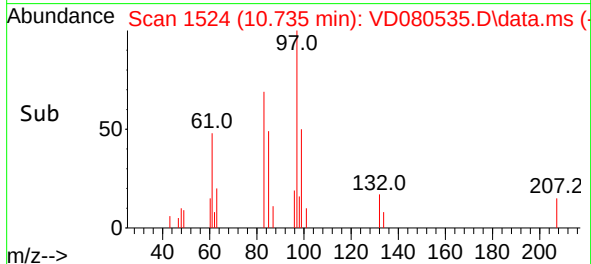
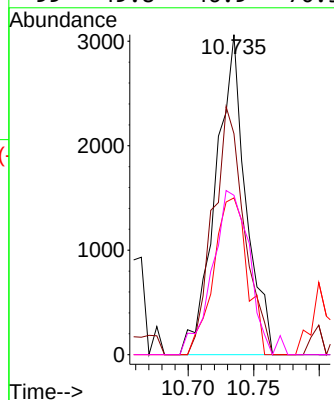
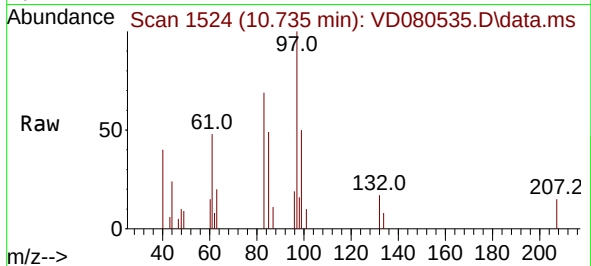




#55  
1,1,2-Trichloroethane  
Concen: 2.527 ug/l  
RT: 10.735 min Scan# 1523  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

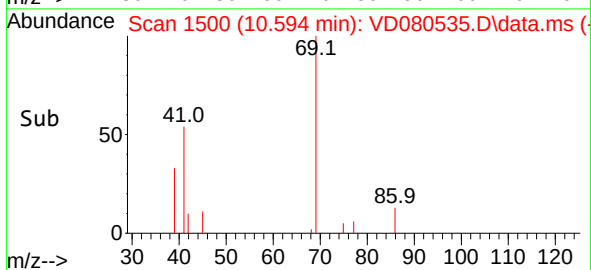
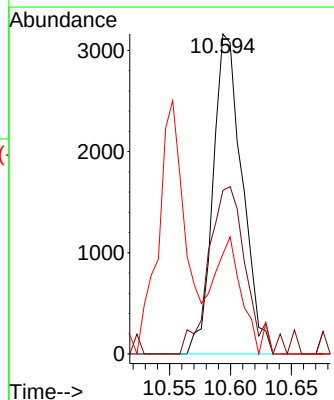
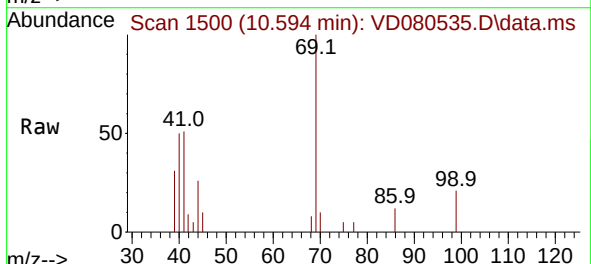
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 4914  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 69.0  | 66.3  | 99.5  |
| 85       | 49.0  | 43.8  | 65.8  |
| 99       | 49.8  | 46.9  | 70.3  |

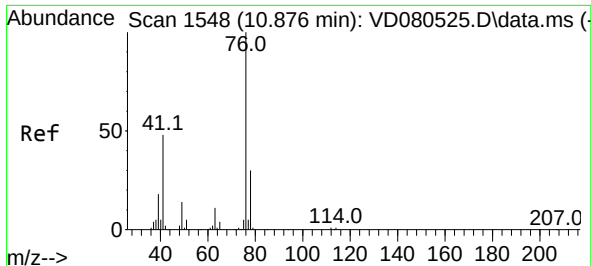


#56  
Ethyl methacrylate  
Concen: 2.347 ug/l  
RT: 10.594 min Scan# 1500  
Delta R.T. -0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 5265  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 66.6  | 49.6  | 74.4  |
| 39       | 36.4  | 23.5  | 35.3  |

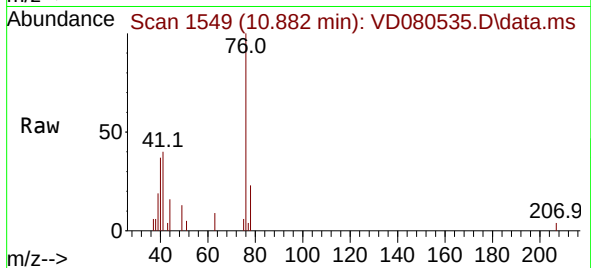




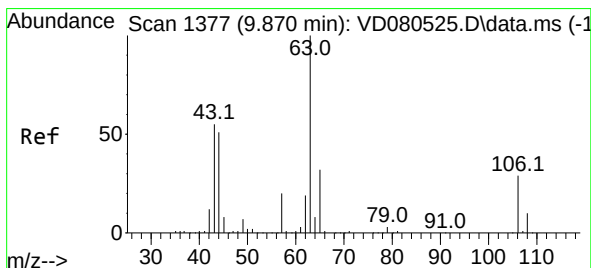
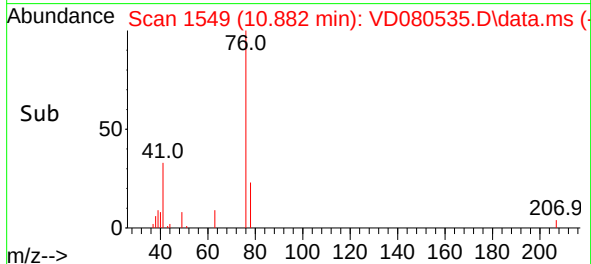
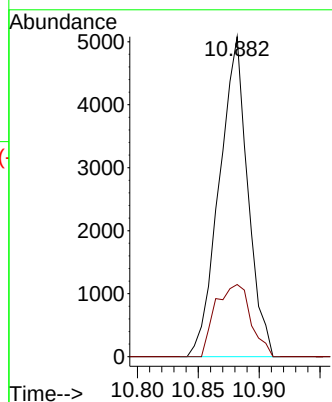


#57  
1,3-Dichloropropane  
Concen: 2.439 ug/l  
RT: 10.882 min Scan# 1549  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

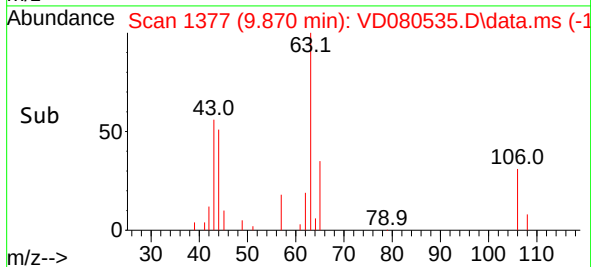
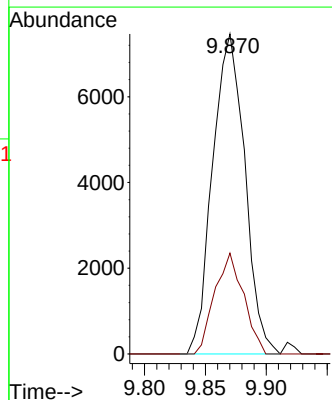
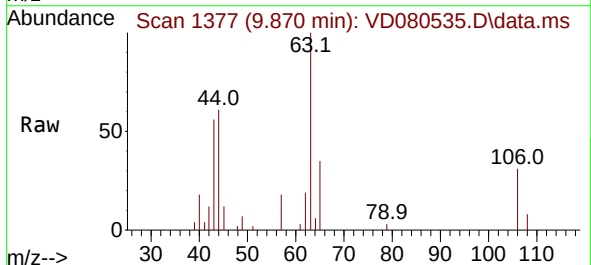


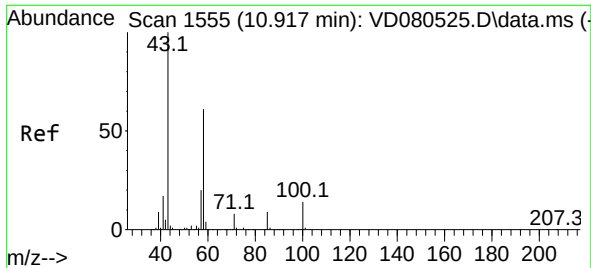
Tgt Ion: 76 Resp: 8270  
Ion Ratio Lower Upper  
76 100  
78 27.9 25.8 38.8



#58  
2-Chloroethyl Vinyl ether  
Concen: 10.922 ug/l  
RT: 9.870 min Scan# 1377  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 63 Resp: 13749  
Ion Ratio Lower Upper  
63 100  
106 28.3 22.6 33.8

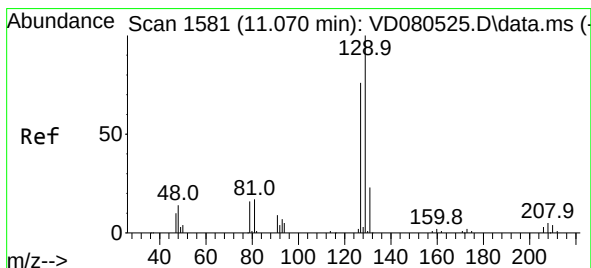
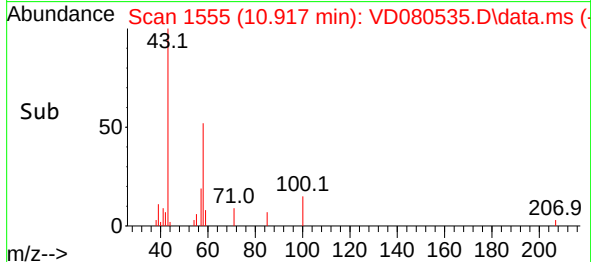
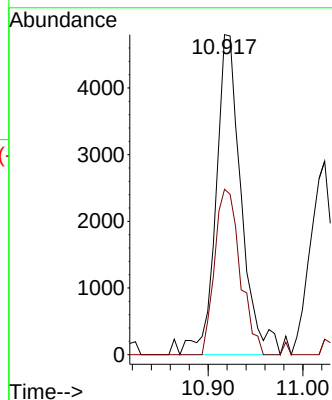
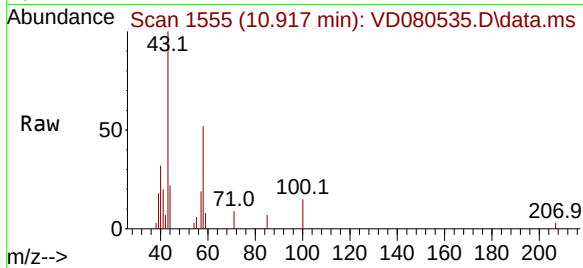




#59  
2-Hexanone  
Concen: 10.619 ug/l  
RT: 10.917 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

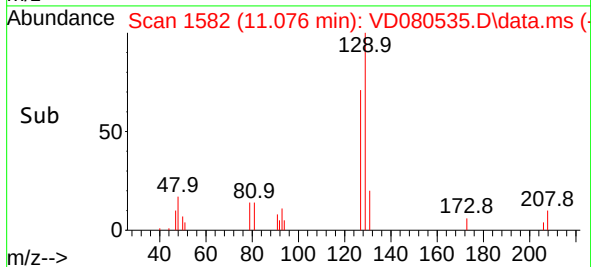
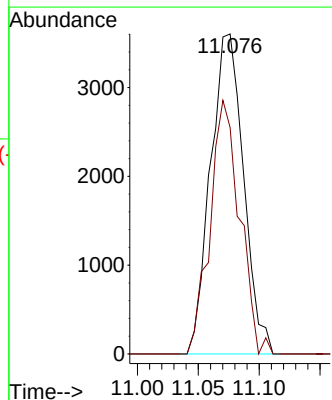
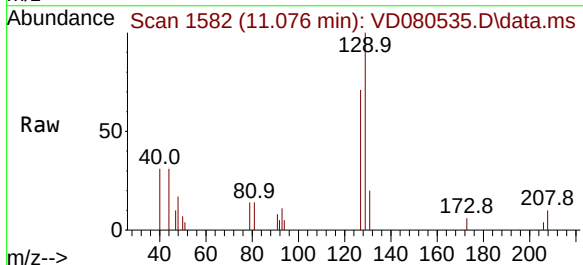
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

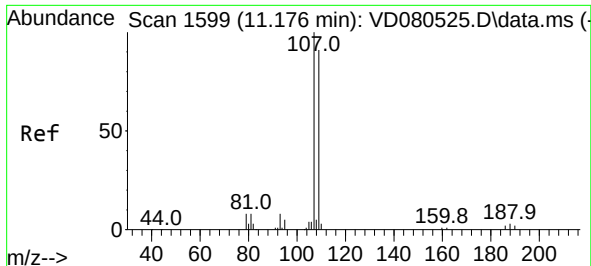
Tgt Ion: 43 Resp: 8883  
Ion Ratio Lower Upper  
43 100  
58 52.2 29.6 88.9



#60  
Dibromochloromethane  
Concen: 2.633 ug/l  
RT: 11.076 min Scan# 1582  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 129 Resp: 6804  
Ion Ratio Lower Upper  
129 100  
127 71.1 38.3 114.9

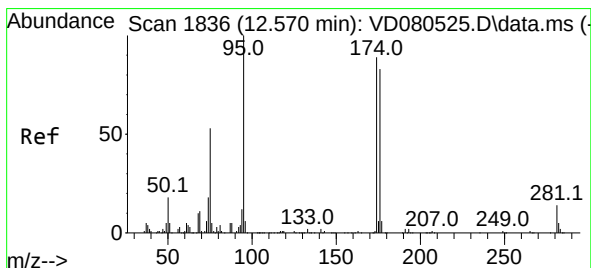
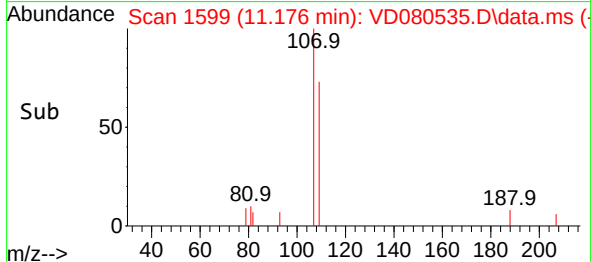
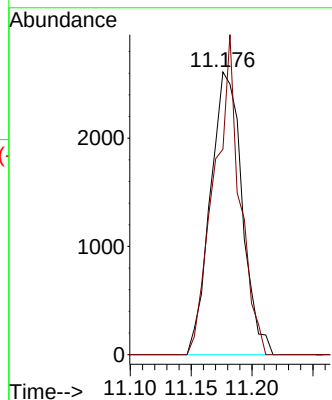
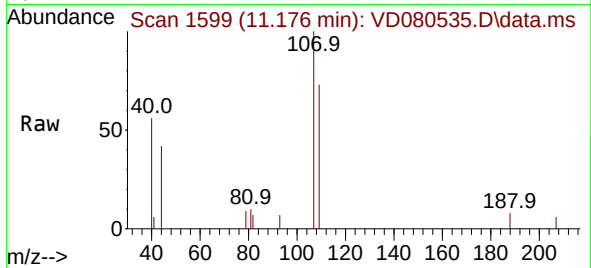




#61  
1,2-Dibromoethane  
Concen: 2.531 ug/l  
RT: 11.176 min Scan# 1599  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

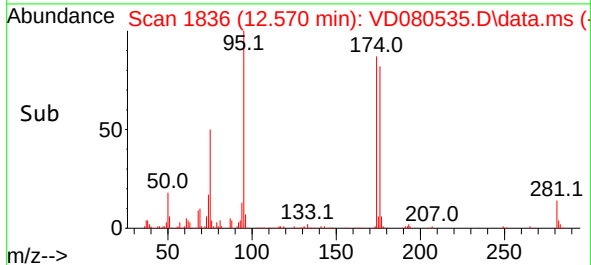
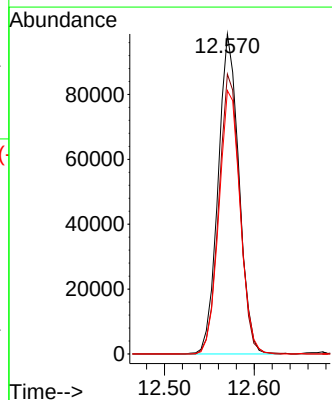
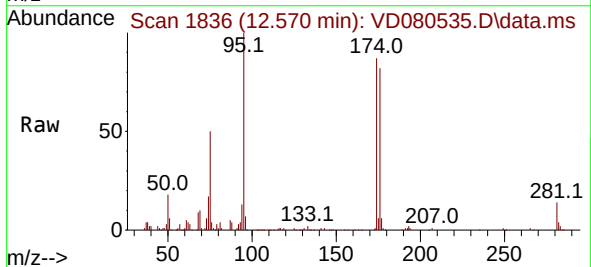
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

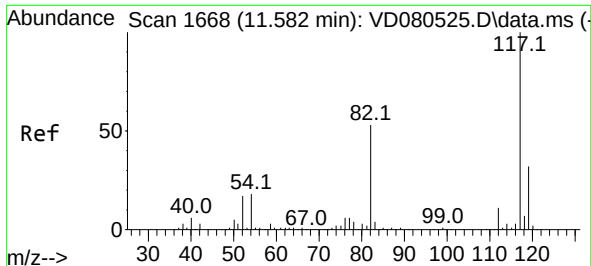
Tgt Ion:107 Resp: 4734  
Ion Ratio Lower Upper  
107 100  
109 91.2 74.2 111.4



#62  
4-Bromofluorobenzene  
Concen: 48.596 ug/l  
RT: 12.570 min Scan# 1836  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 95 Resp: 158912  
Ion Ratio Lower Upper  
95 100  
174 88.0 0.0 179.4  
176 84.1 0.0 168.6

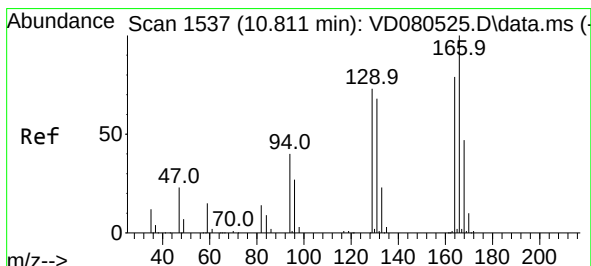
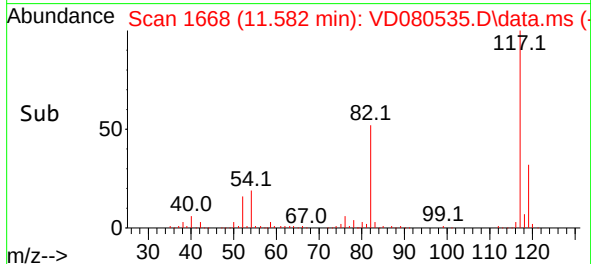
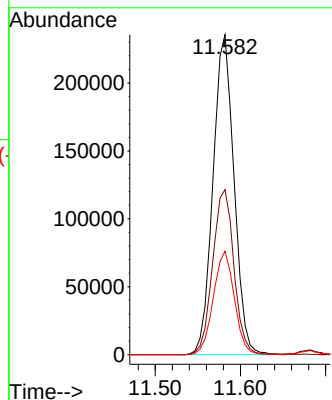
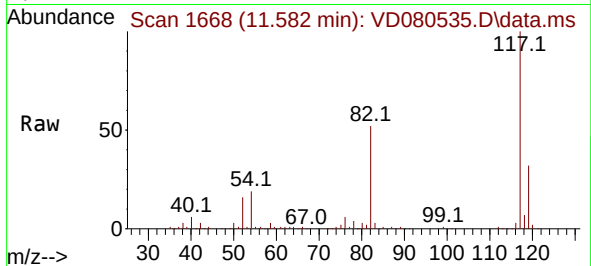




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.582 min Scan# 117  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

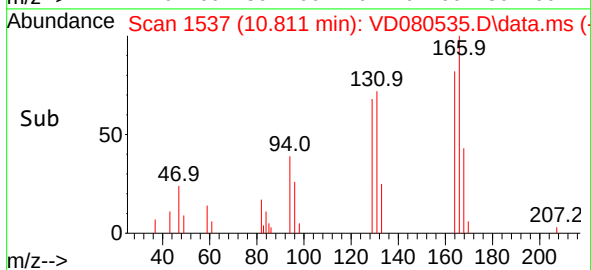
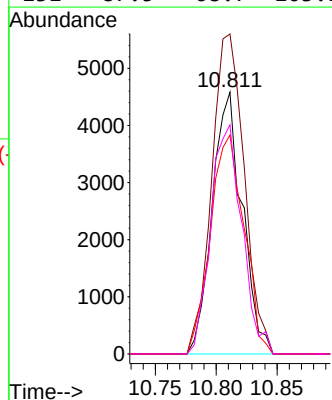
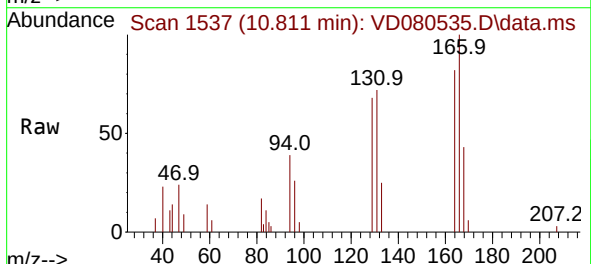
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

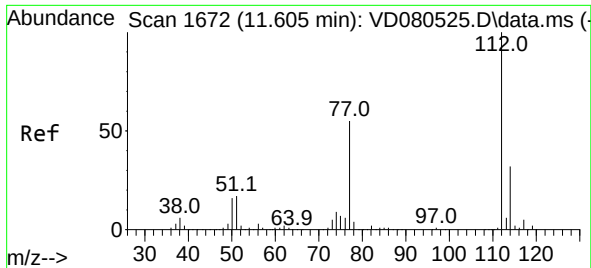
Tgt Ion:117 Resp: 404000  
Ion Ratio Lower Upper  
117 100  
82 51.6 42.1 63.1  
119 32.3 25.4 38.2



#64  
Tetrachloroethene  
Concen: 2.705 ug/l  
RT: 10.811 min Scan# 1537  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion:164 Resp: 7860  
Ion Ratio Lower Upper  
164 100  
166 122.2 101.2 151.8  
129 83.6 74.0 111.0  
131 87.5 68.7 103.1

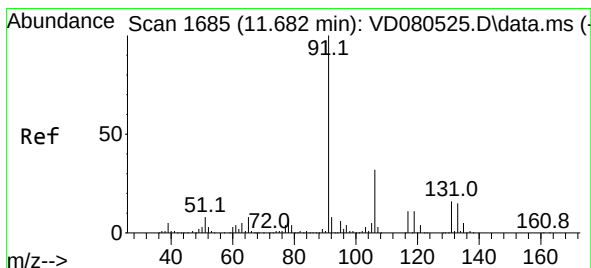
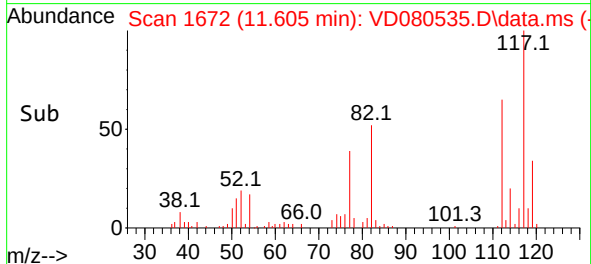
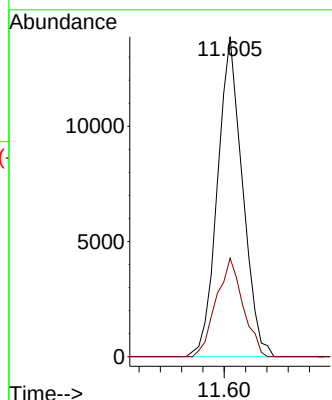
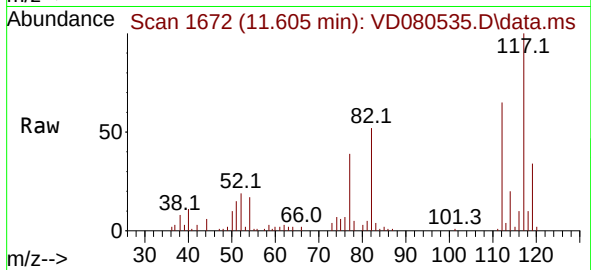




#65  
Chlorobenzene  
Concen: 2.515 ug/l  
RT: 11.605 min Scan# 1672  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

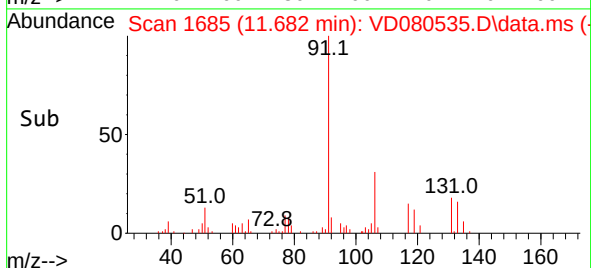
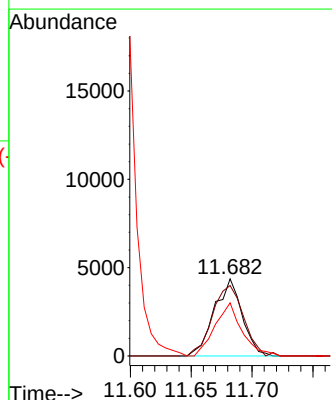
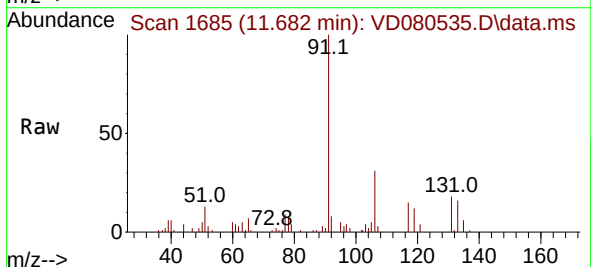
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

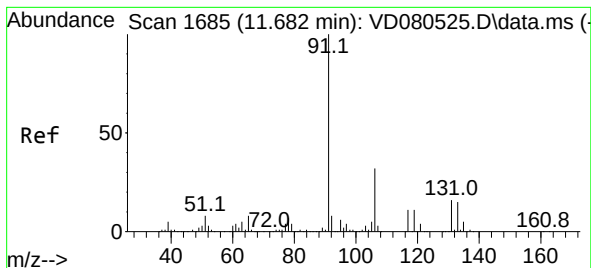
Tgt Ion:112 Resp: 22628  
Ion Ratio Lower Upper  
112 100  
114 30.7 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 2.472 ug/l  
RT: 11.682 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion:131 Resp: 6955  
Ion Ratio Lower Upper  
131 100  
133 102.3 47.3 141.8  
119 66.9 34.4 103.2





#67

Ethyl Benzene

Concen: 2.501 ug/l

RT: 11.682 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

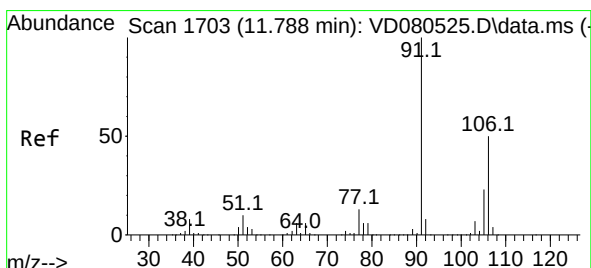
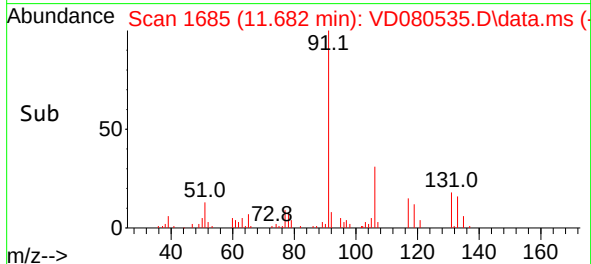
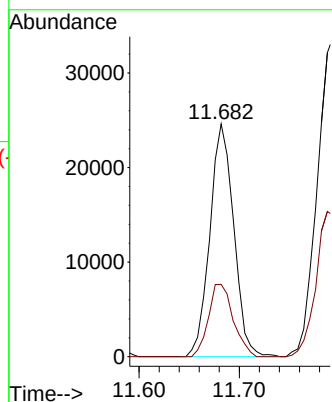
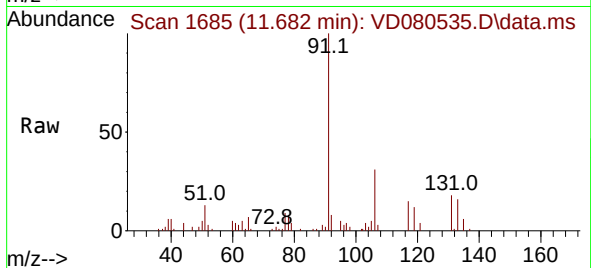
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion: 91 Resp: 40784

Ion Ratio Lower Upper

91 100

106 31.1 25.4 38.0



#68

m/p-Xylenes

Concen: 4.927 ug/l

RT: 11.788 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD080535.D

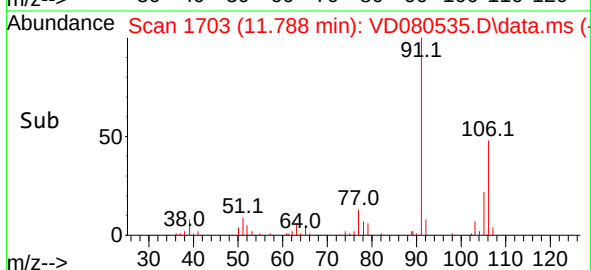
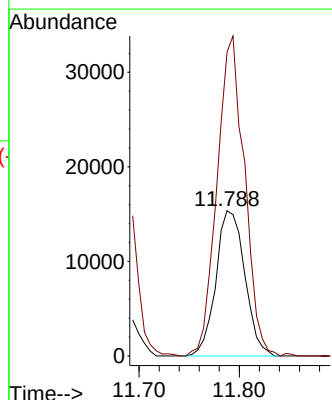
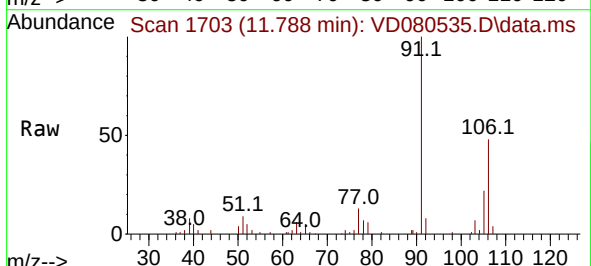
Acq: 18 Nov 2025 12:07

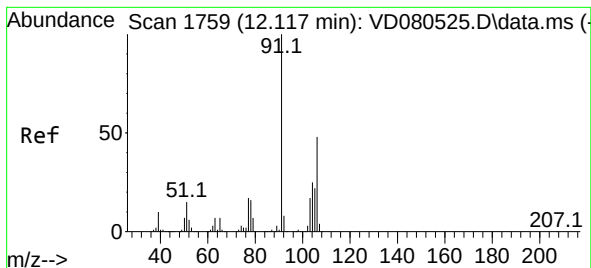
Tgt Ion: 106 Resp: 30727

Ion Ratio Lower Upper

106 100

91 209.6 158.7 238.1





#69

o-Xylene

Concen: 2.649 ug/l

RT: 12.123 min Scan# 1760

Delta R.T. 0.006 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

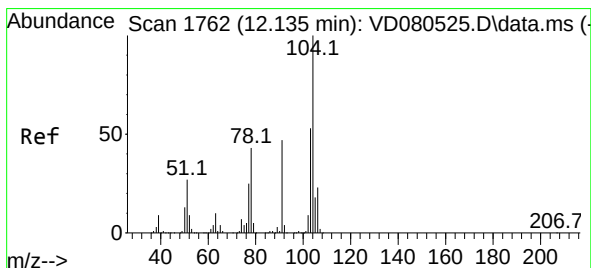
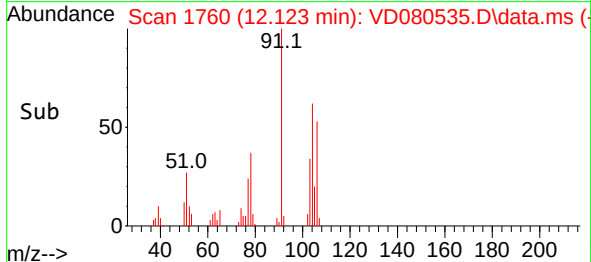
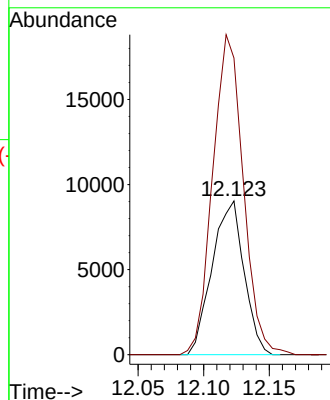
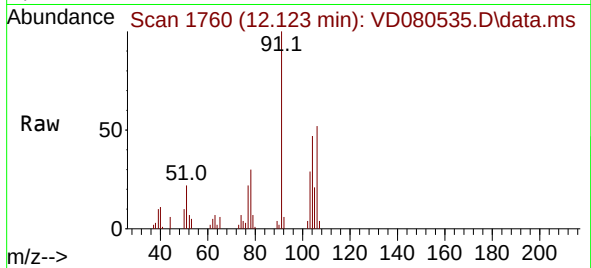
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:106 Resp: 15273

Ion Ratio Lower Upper

106 100

91 199.7 105.8 317.3



#70

Styrene

Concen: 2.408 ug/l

RT: 12.135 min Scan# 1762

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

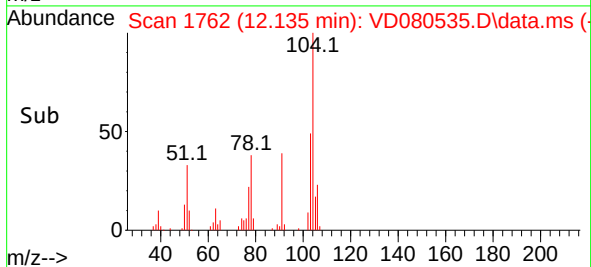
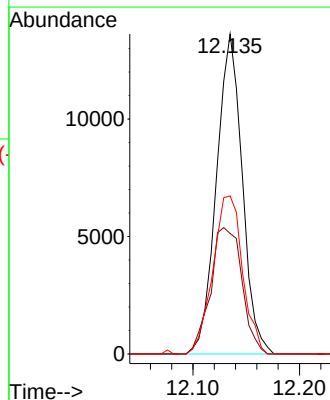
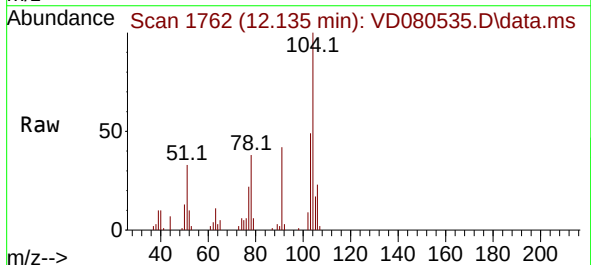
Tgt Ion:104 Resp: 22910

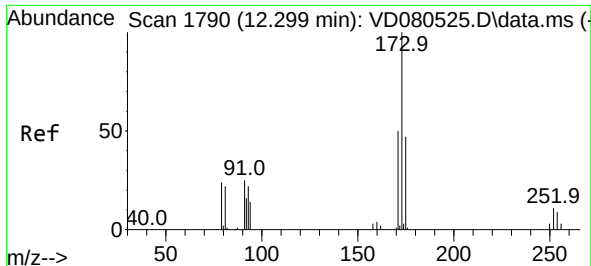
Ion Ratio Lower Upper

104 100

78 48.0 37.8 56.8

103 56.8 43.8 65.8

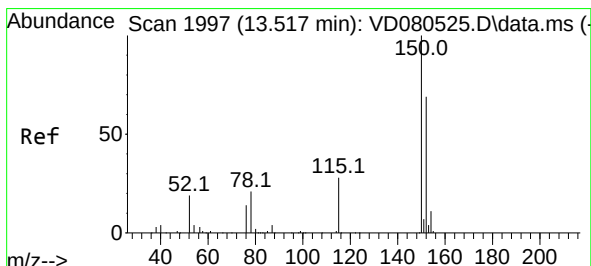
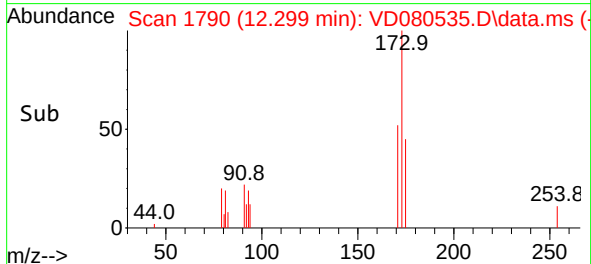
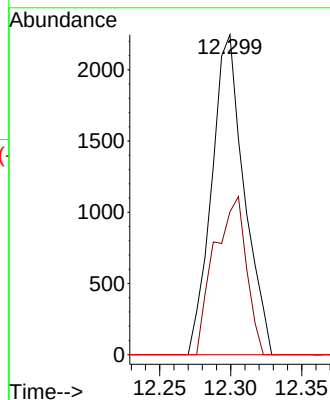
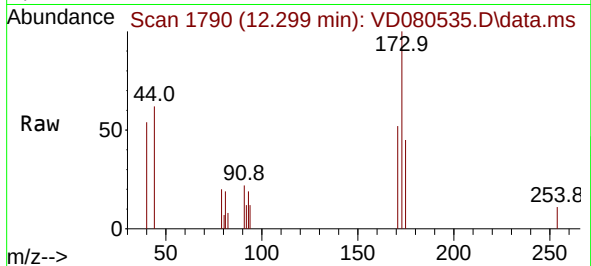




#71  
Bromoform  
Concen: 2.715 ug/l  
RT: 12.299 min Scan# 1790  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

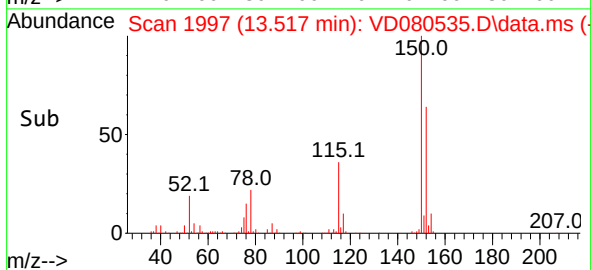
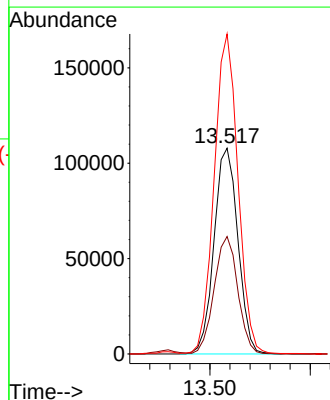
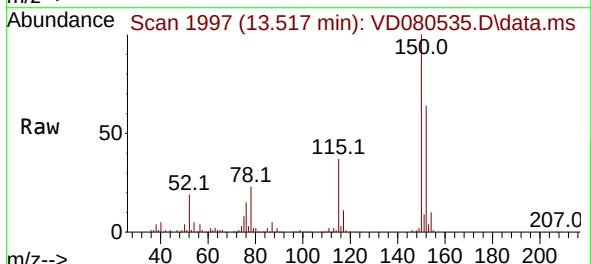
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:173 Resp: 3569  
Ion Ratio Lower Upper  
173 100  
175 48.8 24.1 72.2  
254 0.0 0.0 0.0

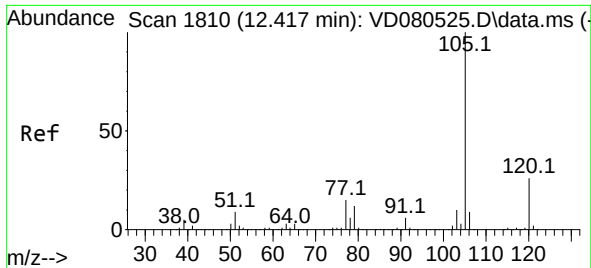


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.517 min Scan# 1997  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion:152 Resp: 178039  
Ion Ratio Lower Upper  
152 100  
115 56.6 28.1 84.3  
150 155.2 0.0 345.6



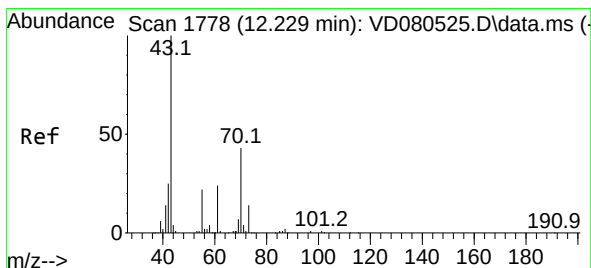
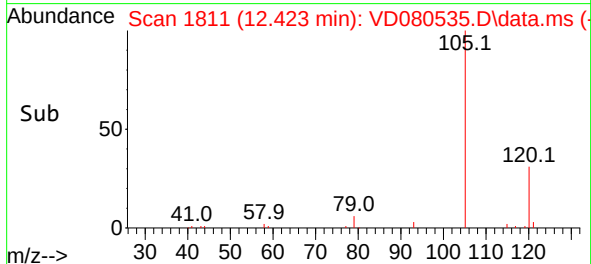
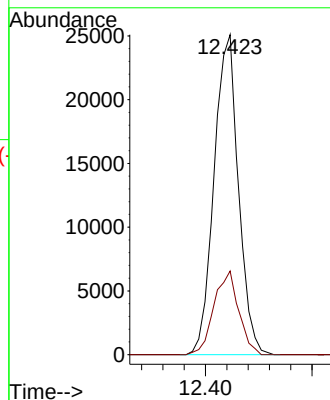
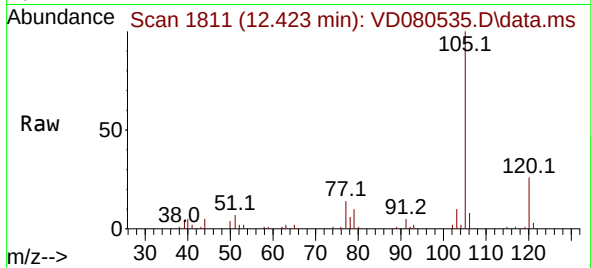




#73  
Isopropylbenzene  
Concen: 2.633 ug/l  
RT: 12.423 min Scan# 1811  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

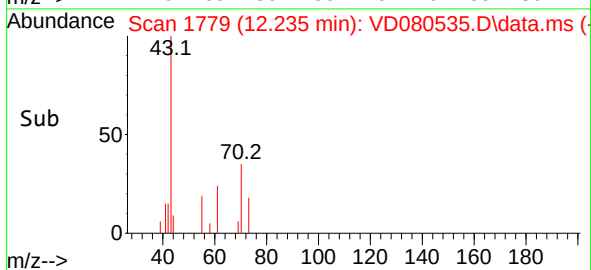
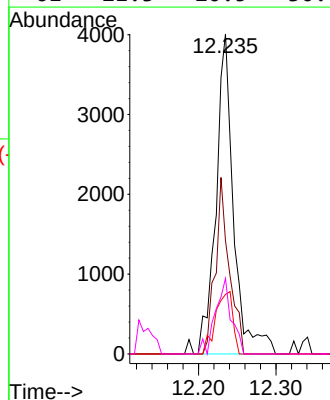
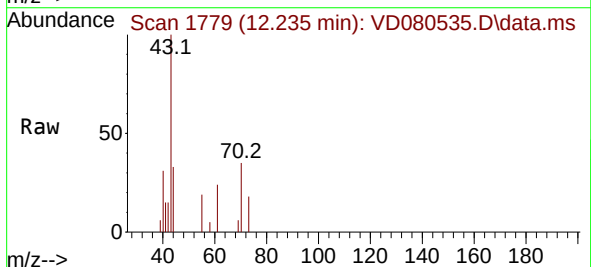
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

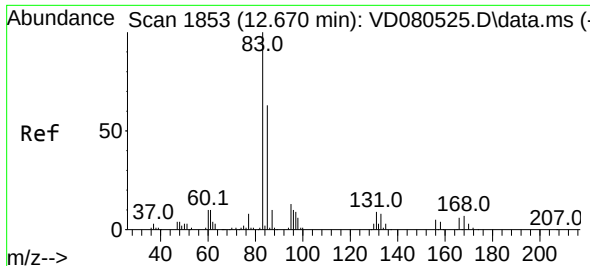
Tgt Ion:105 Resp: 39794  
Ion Ratio Lower Upper  
105 100  
120 26.5 13.4 40.2



#74  
N-ethyl acetate  
Concen: 2.726 ug/l  
RT: 12.235 min Scan# 1779  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 43 Resp: 6387  
Ion Ratio Lower Upper  
43 100  
70 43.0 35.2 52.8  
55 18.9 18.4 27.6  
61 21.3 20.5 30.7

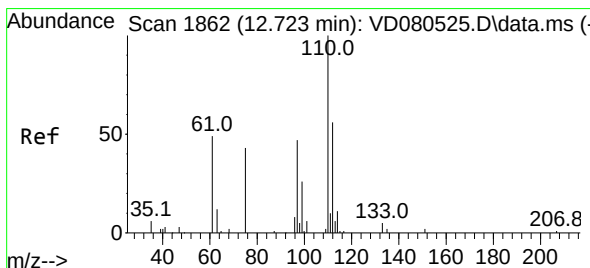
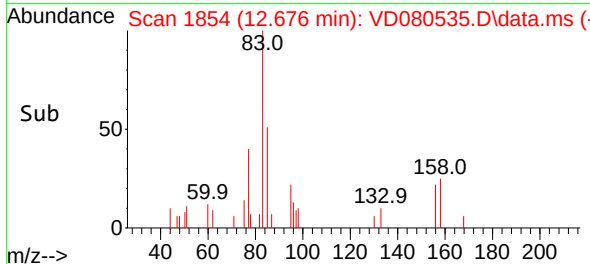
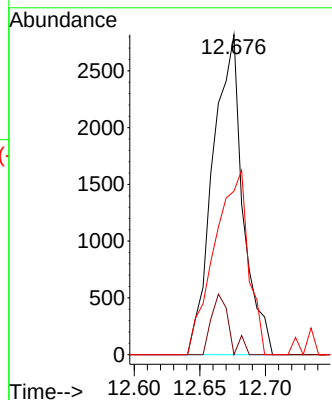
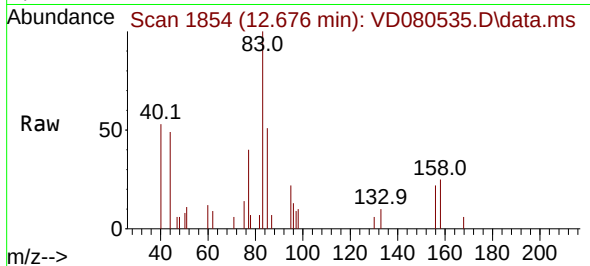




#75  
1,1,2,2-Tetrachloroethane  
Concen: 2.375 ug/l  
RT: 12.676 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

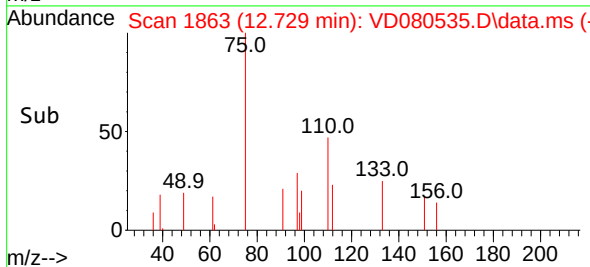
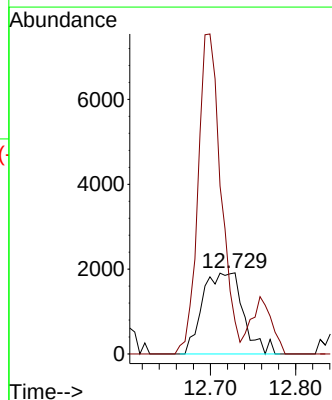
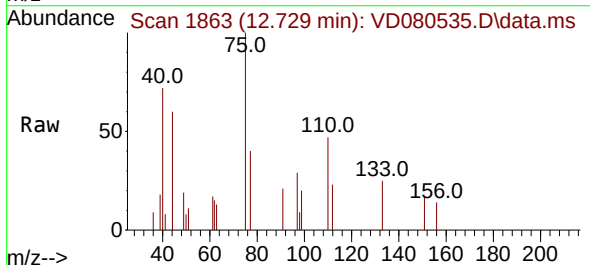
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

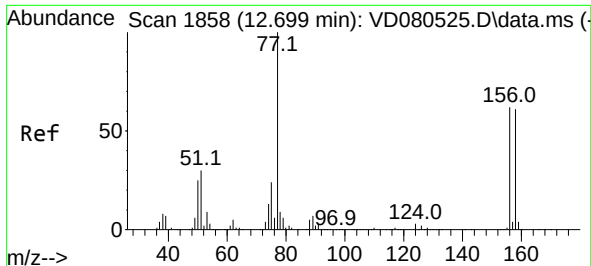
| Tgt Ion: | 83    | Resp: | 4502  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 11.2  | 4.9   | 14.6  |
| 85       | 64.9  | 31.8  | 95.3  |



#76  
1,2,3-Trichloropropane  
Concen: 4.552 ug/l  
RT: 12.729 min Scan# 1863  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

| Tgt Ion: | 75    | Resp: | 6312  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 0.0   | 0.0   | 0.0   |

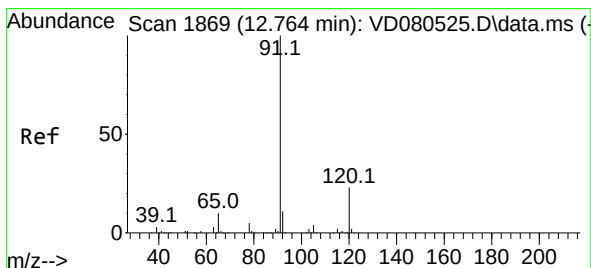
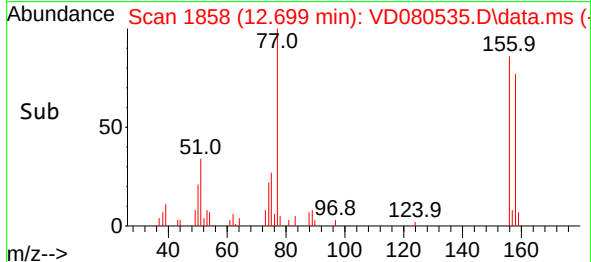
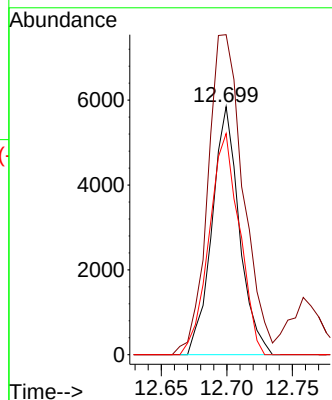
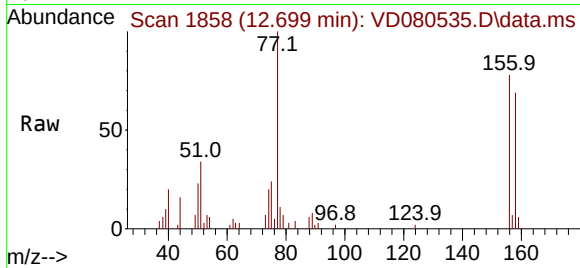




#77  
Bromobenzene  
Concen: 2.642 ug/l  
RT: 12.699 min Scan# 1858  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

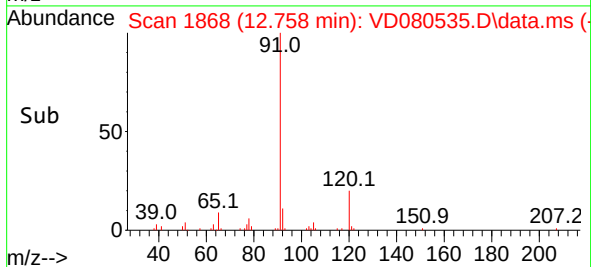
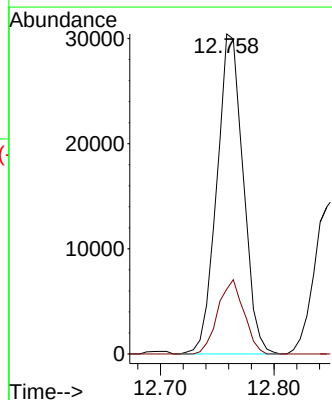
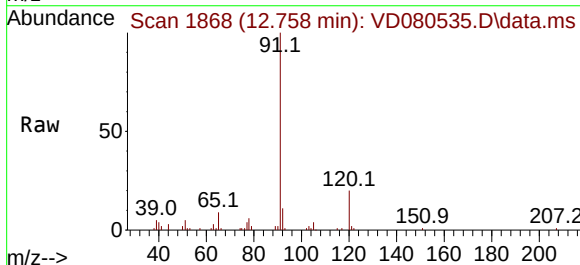
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

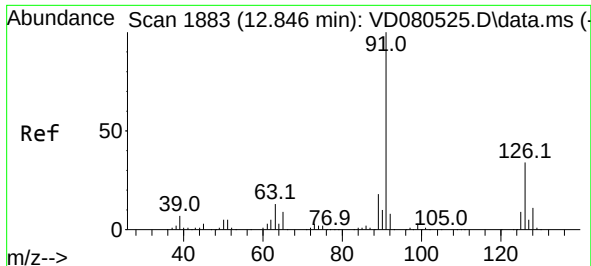
Tgt Ion:156 Resp: 8474  
Ion Ratio Lower Upper  
156 100  
77 166.8 85.3 255.9  
158 99.0 48.4 145.0



#78  
n-propylbenzene  
Concen: 2.712 ug/l  
RT: 12.758 min Scan# 1868  
Delta R.T. -0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 91 Resp: 49177  
Ion Ratio Lower Upper  
91 100  
120 22.8 11.4 34.2

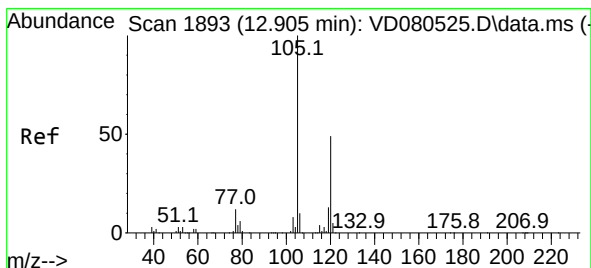
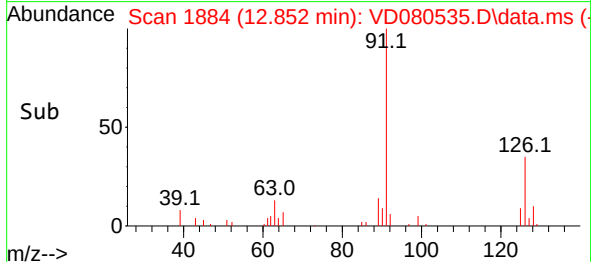
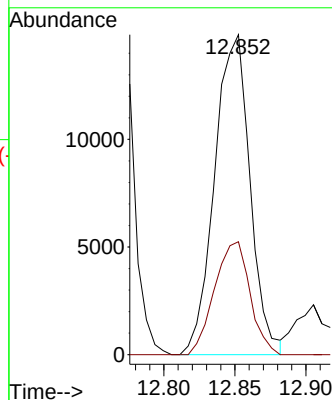
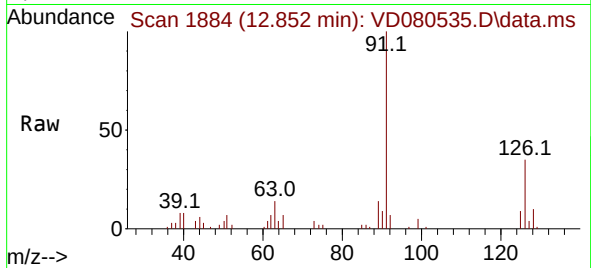




#79  
2-Chlorotoluene  
Concen: 2.584 ug/l  
RT: 12.852 min Scan# 1884  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

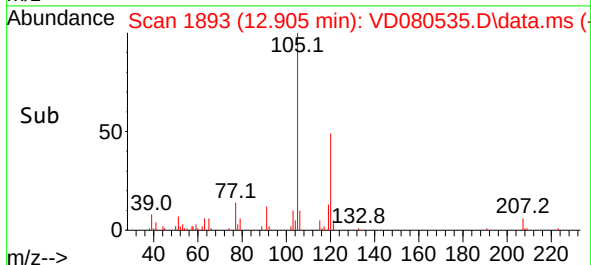
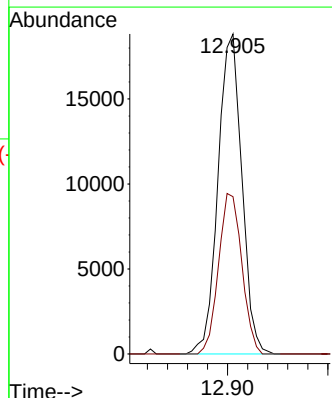
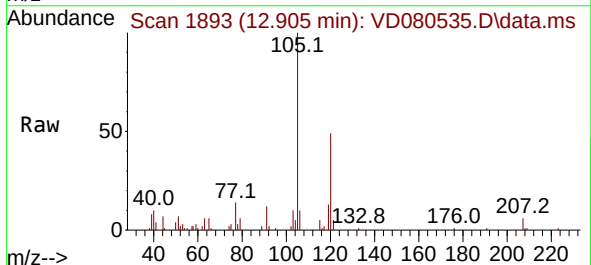
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

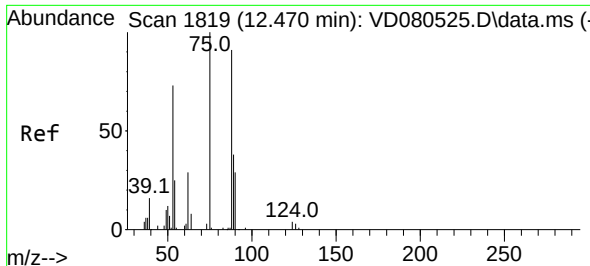
Tgt Ion: 91 Resp: 25776  
Ion Ratio Lower Upper  
91 100  
126 35.3 17.4 52.2



#80  
1,3,5-Trimethylbenzene  
Concen: 2.597 ug/l  
RT: 12.905 min Scan# 1893  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 105 Resp: 31022  
Ion Ratio Lower Upper  
105 100  
120 49.0 24.6 74.0

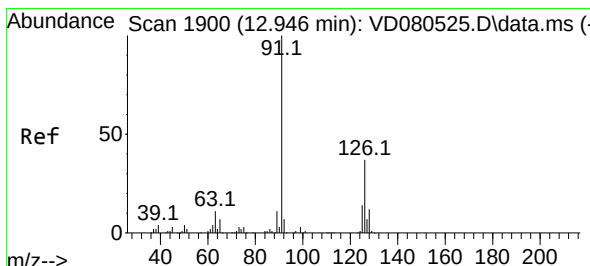
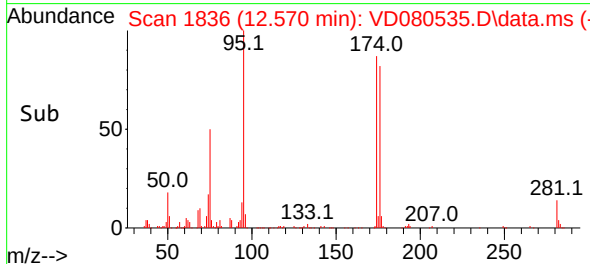
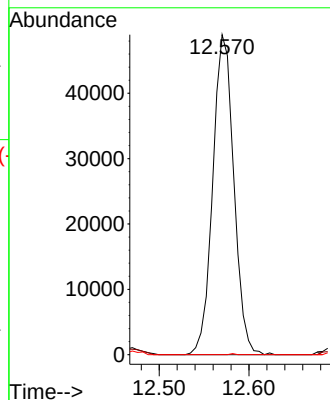
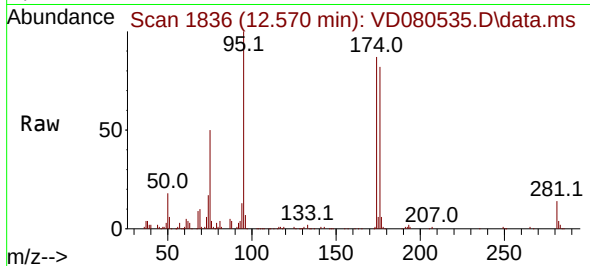




#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.997 ug/l  
RT: 12.570 min Scan# 1819  
Delta R.T. 0.100 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

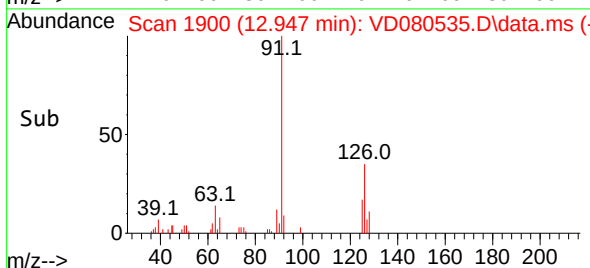
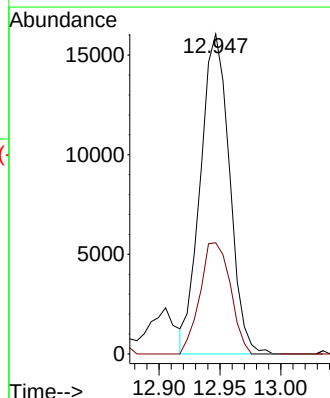
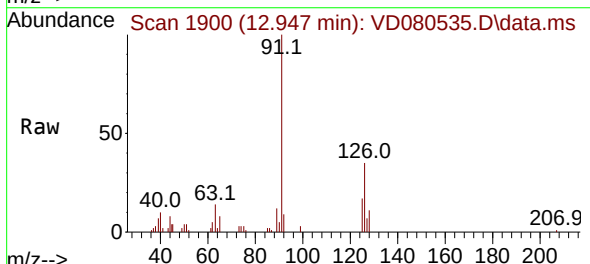
Instrument : MSVOA\_D  
ClientSampleId : LOD-MDL-SOIL-01-QT4-2025

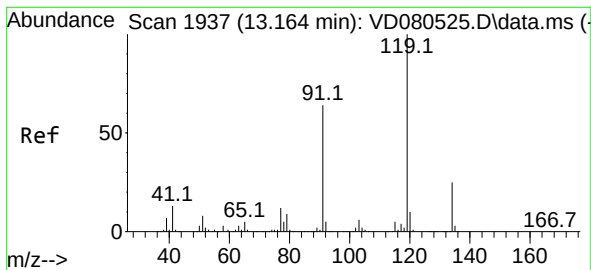
Tgt Ion: 75 Resp: 79874  
Ion Ratio Lower Upper  
75 100  
53 0.0 62.8 94.2#  
89 0.1 36.6 54.8#



#82  
4-Chlorotoluene  
Concen: 2.633 ug/l  
RT: 12.947 min Scan# 1900  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Tgt Ion: 91 Resp: 26700  
Ion Ratio Lower Upper  
91 100  
126 36.3 17.4 52.2





#83

tert-Butylbenzene

Concen: 2.589 ug/l

RT: 13.164 min Scan# 1937

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

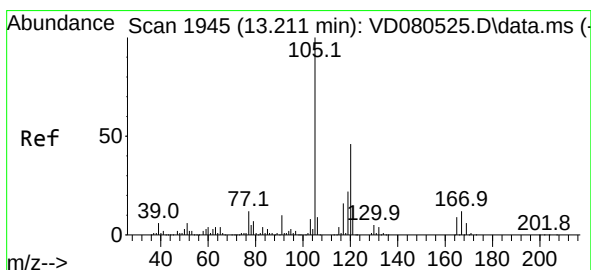
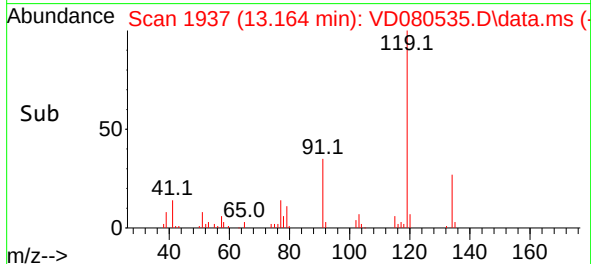
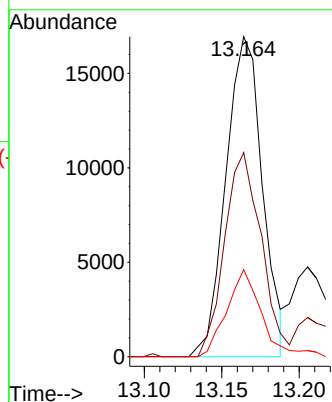
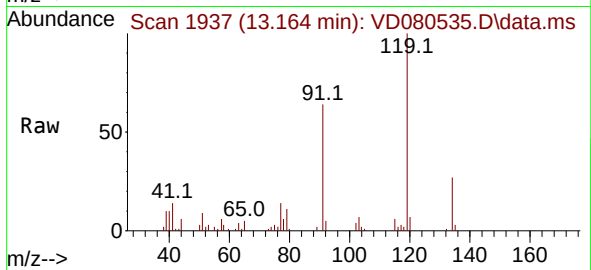
Tgt Ion:119 Resp: 27817

Ion Ratio Lower Upper

119 100

91 64.0 30.4 91.3

134 25.9 13.1 39.3



#84

1,2,4-Trimethylbenzene

Concen: 2.640 ug/l

RT: 13.211 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VD080535.D

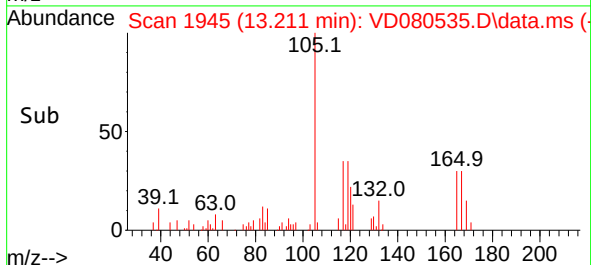
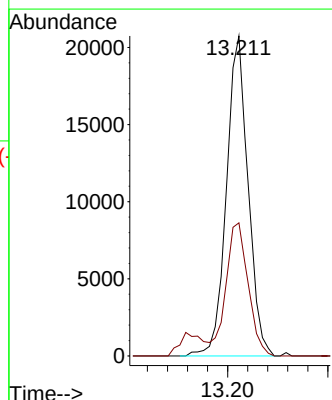
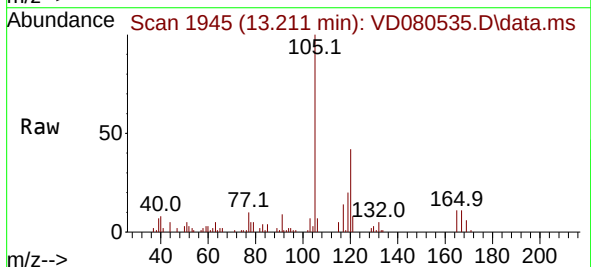
Acq: 18 Nov 2025 12:07

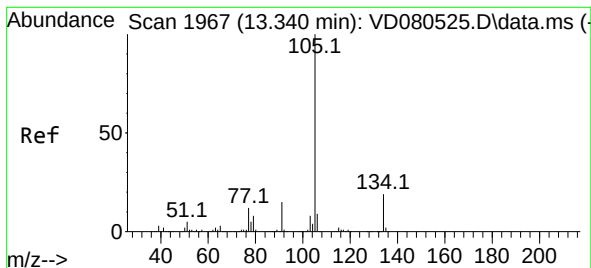
Tgt Ion:105 Resp: 31034

Ion Ratio Lower Upper

105 100

120 42.7 22.7 68.1





#85

sec-Butylbenzene

Concen: 2.651 ug/l

RT: 13.341 min Scan# 1967

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

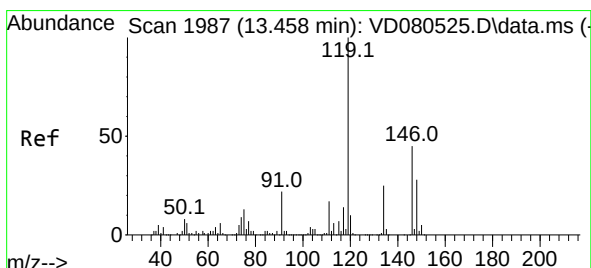
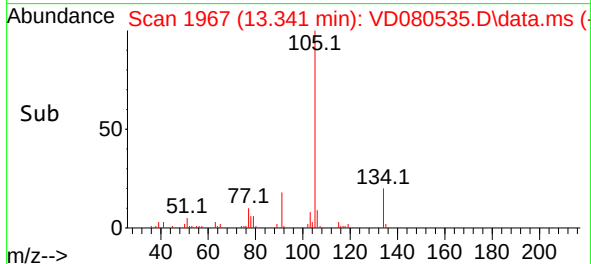
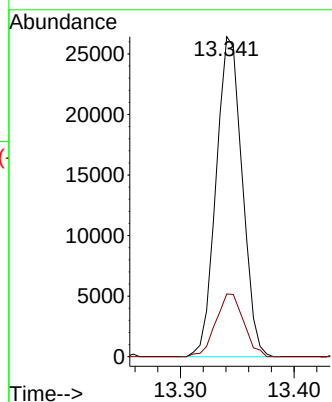
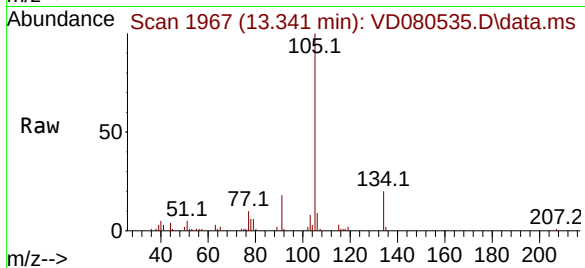
LOD-MDL-SOIL-01-QT4-2025

Tgt Ion:105 Resp: 42163

Ion Ratio Lower Upper

105 100

134 20.9 10.0 30.0



#86

p-Isopropyltoluene

Concen: 2.589 ug/l

RT: 13.458 min Scan# 1987

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

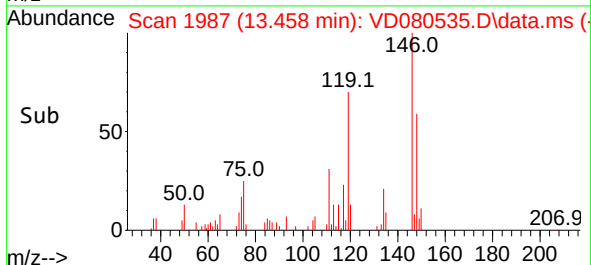
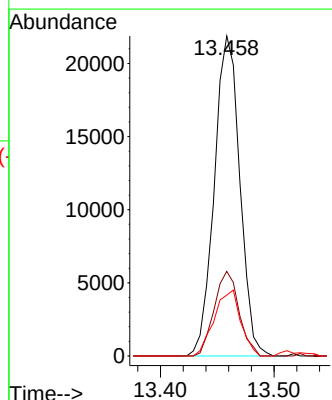
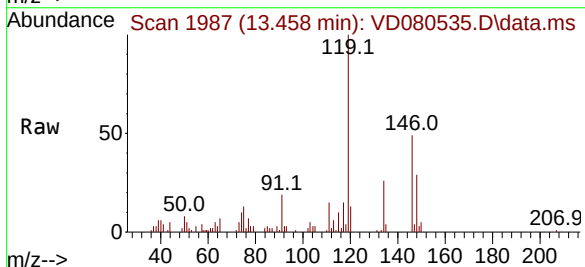
Tgt Ion:119 Resp: 34145

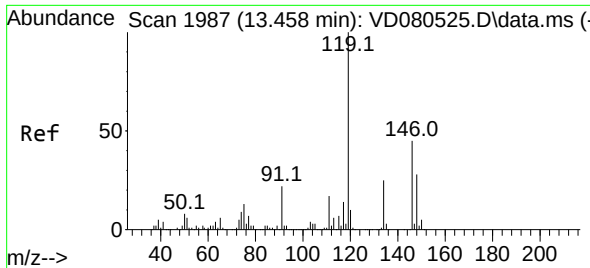
Ion Ratio Lower Upper

119 100

134 25.6 12.8 38.4

91 21.4 11.1 33.1

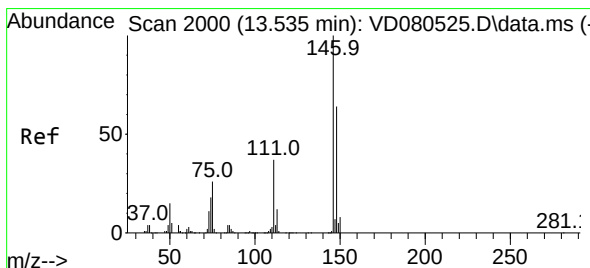
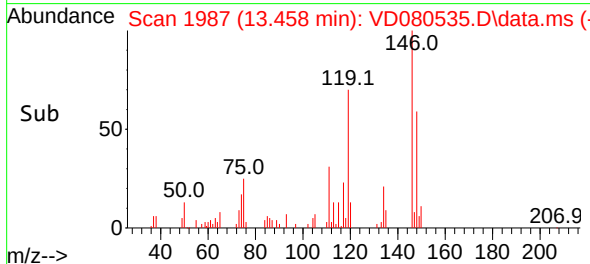
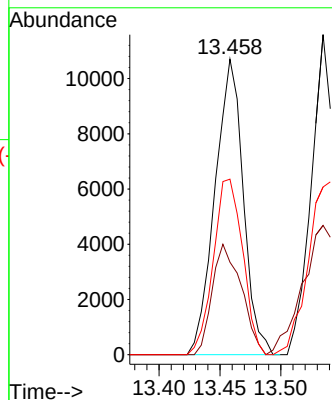
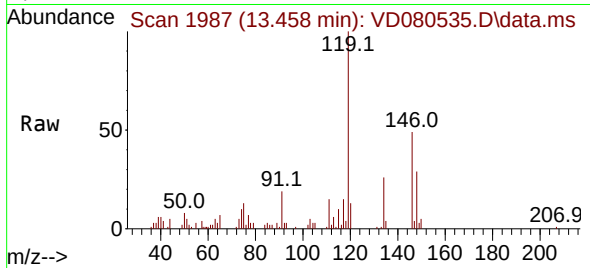




#87  
 1,3-Dichlorobenzene  
 Concen: 2.717 ug/l  
 RT: 13.458 min Scan# 1987  
 Delta R.T. 0.000 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

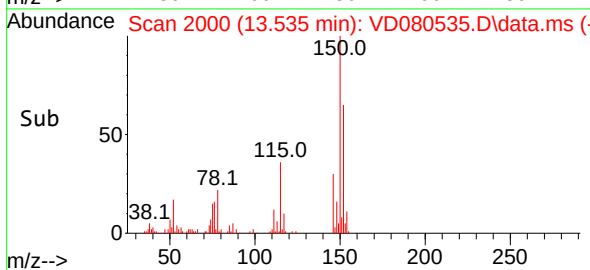
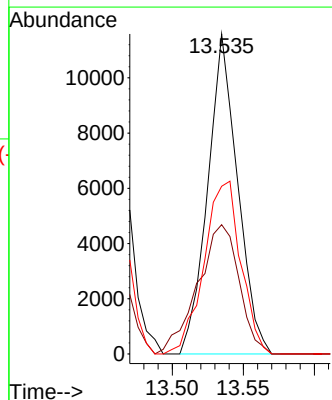
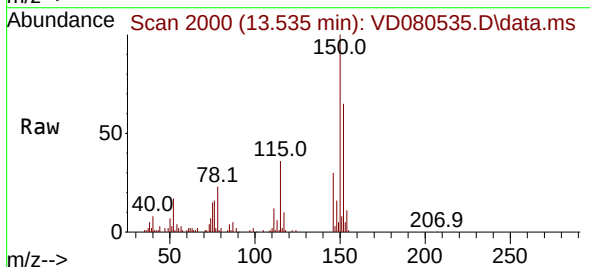
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 LOD-MDL-SOIL-01-QT4-2025

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 17315 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 38.4  | 19.4  | 58.2  |
| 148      | 61.6  | 31.4  | 94.0  |

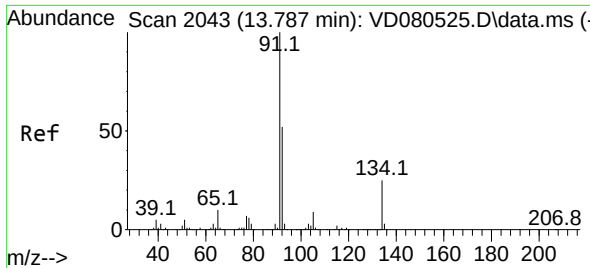


#88  
 1,4-Dichlorobenzene  
 Concen: 2.726 ug/l  
 RT: 13.535 min Scan# 2000  
 Delta R.T. 0.000 min  
 Lab File: VD080535.D  
 Acq: 18 Nov 2025 12:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 146   | Resp: | 16987 |
| Ion      | Ratio | Lower | Upper |
| 146      | 100   |       |       |
| 111      | 55.8  | 18.9  | 56.9  |
| 148      | 66.4  | 32.1  | 96.5  |



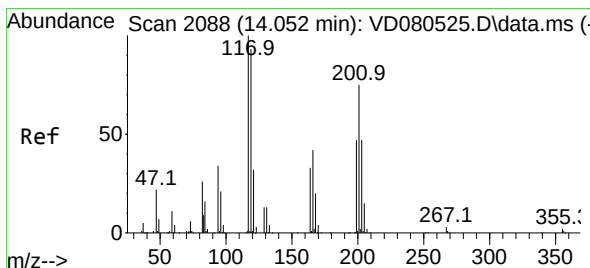
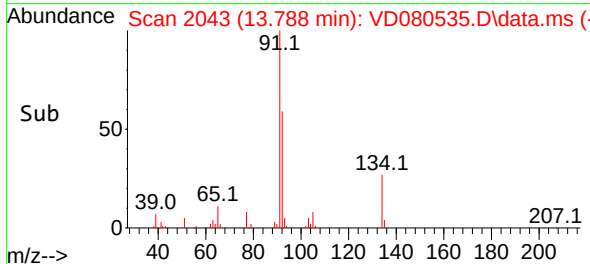
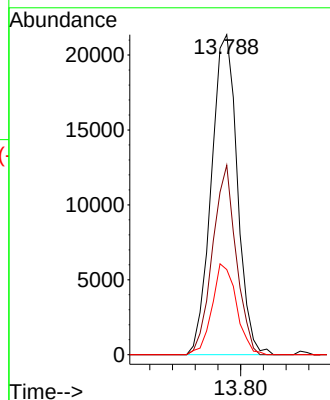
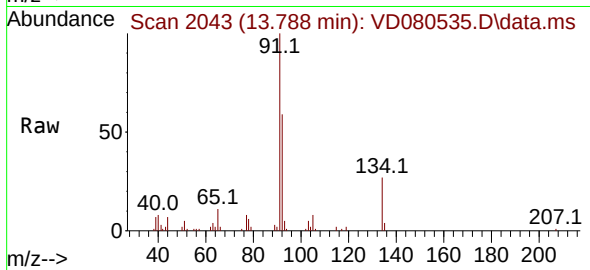




#89  
n-Butylbenzene  
Concen: 2.695 ug/l  
RT: 13.788 min Scan# 2043  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

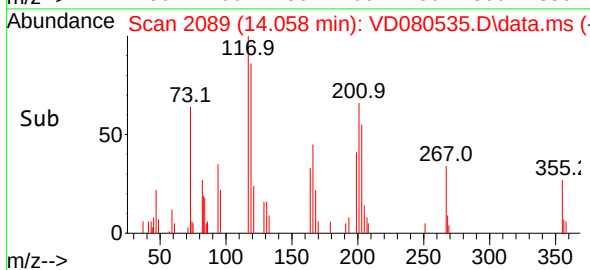
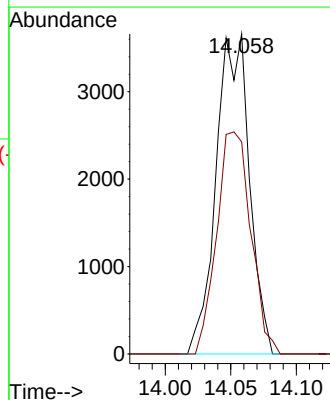
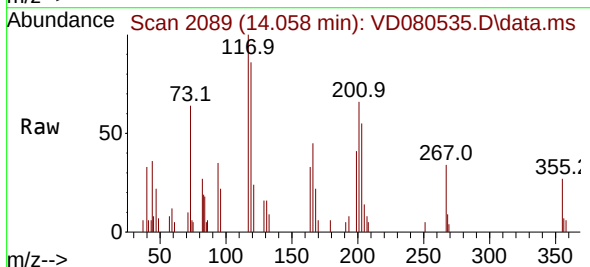
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

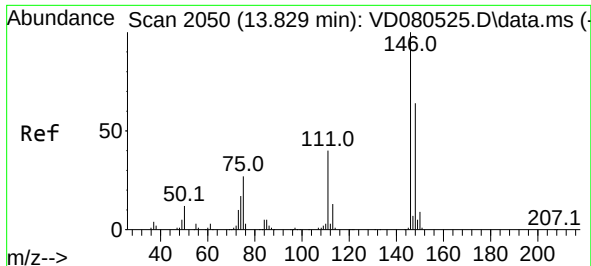
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 33894 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 53.8  | 26.7  | 80.1  |
| 134      | 26.8  | 12.6  | 37.8  |



#90  
Hexachloroethane  
Concen: 2.505 ug/l  
RT: 14.058 min Scan# 2089  
Delta R.T. 0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 6446  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 71.3  | 36.7  | 110.1 |

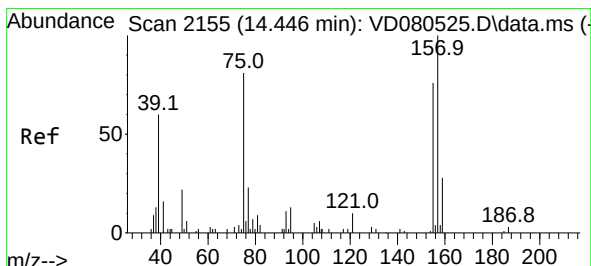
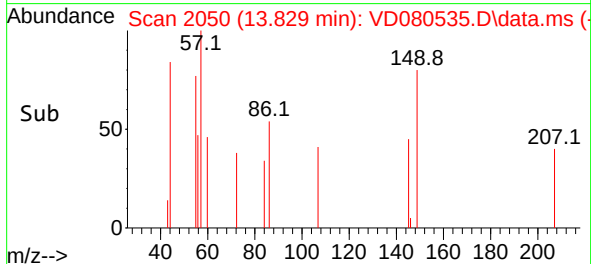
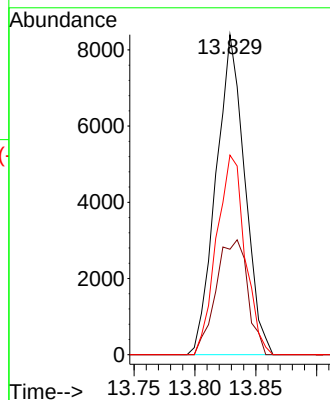
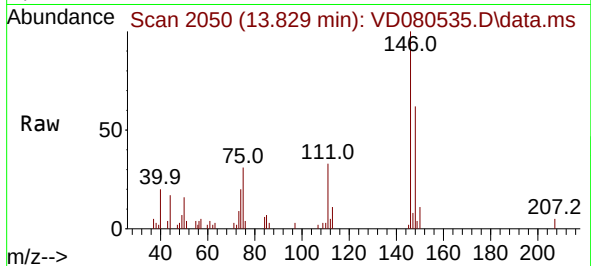




#91  
1,2-Dichlorobenzene  
Concen: 2.620 ug/l  
RT: 13.829 min Scan# 2050  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

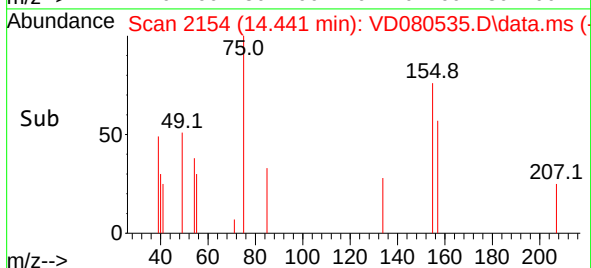
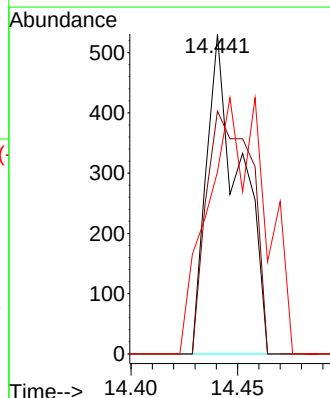
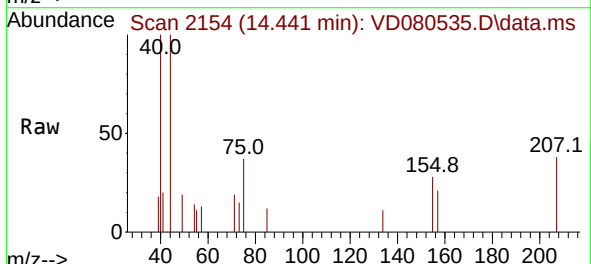
Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

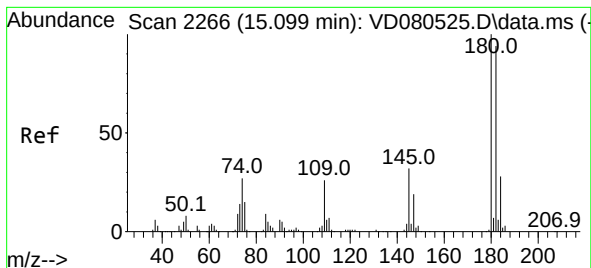
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 13799     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 39.5  | 20.3 60.8 |
| 148         | 61.7  | 32.2 96.6 |



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 2.261 ug/l  
RT: 14.441 min Scan# 2154  
Delta R.T. -0.006 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 590        |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 155         | 100.2 | 46.4 139.2 |
| 157         | 132.5 | 59.6 178.7 |





#93

1,2,4-Trichlorobenzene

Concen: 3.012 ug/l

RT: 15.099 min Scan# 2266

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

Instrument :

MSVOA\_D

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2025

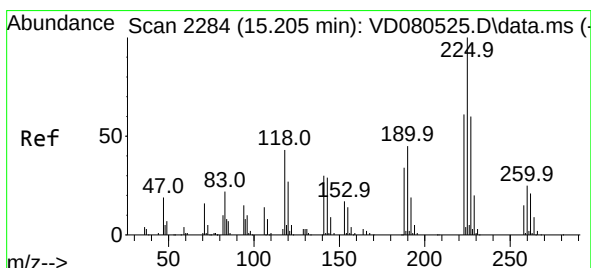
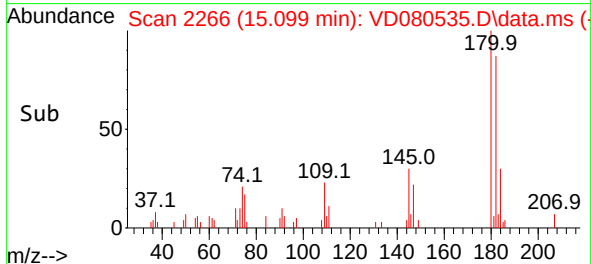
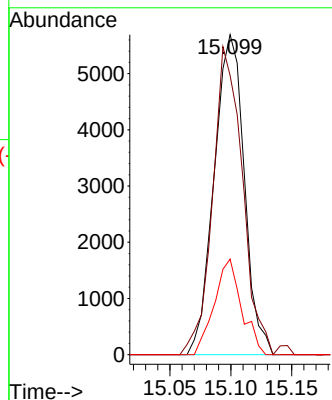
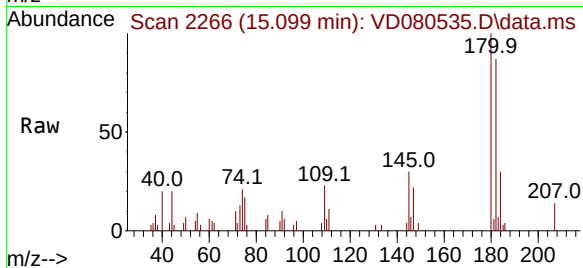
Tgt Ion:180 Resp: 9799

Ion Ratio Lower Upper

180 100

182 96.2 47.1 141.4

145 27.1 14.7 44.1



#94

Hexachlorobutadiene

Concen: 2.839 ug/l

RT: 15.205 min Scan# 2284

Delta R.T. 0.000 min

Lab File: VD080535.D

Acq: 18 Nov 2025 12:07

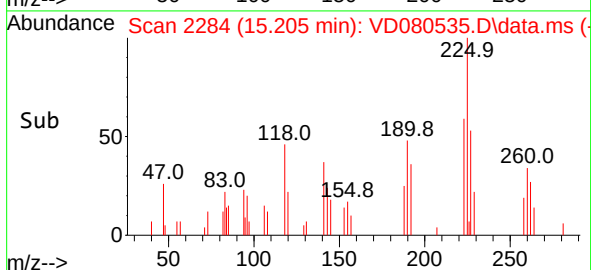
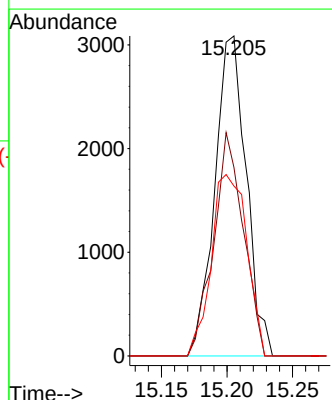
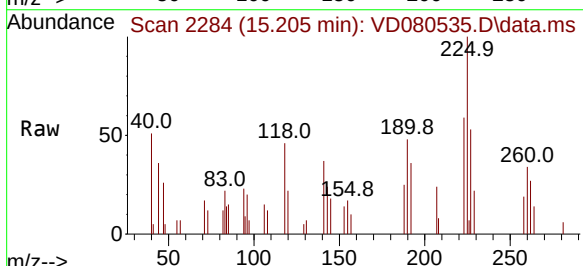
Tgt Ion:225 Resp: 5143

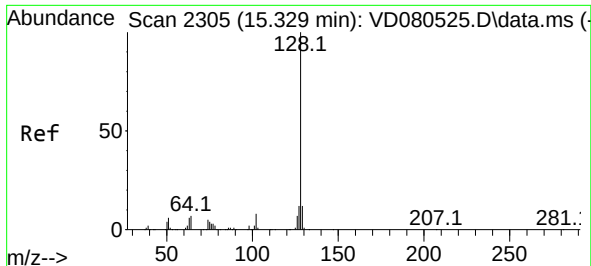
Ion Ratio Lower Upper

225 100

223 66.0 31.4 94.0

227 64.2 31.9 95.5

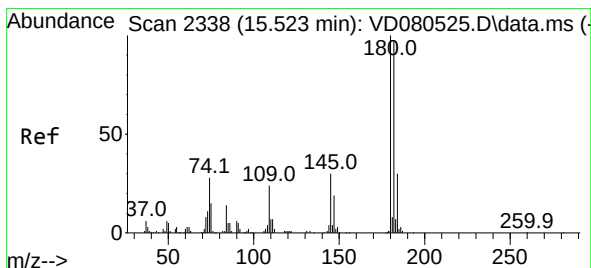
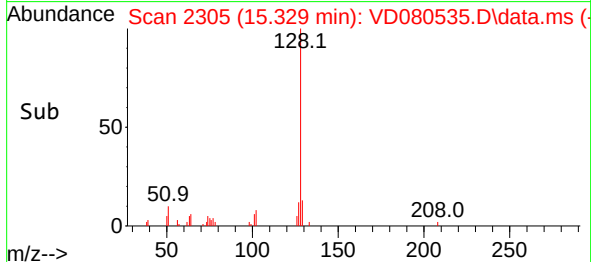
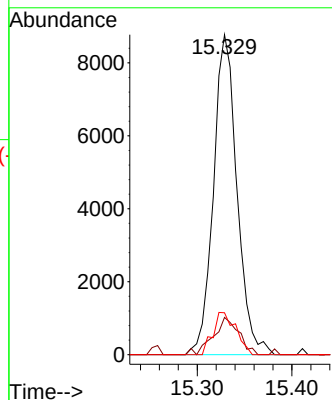
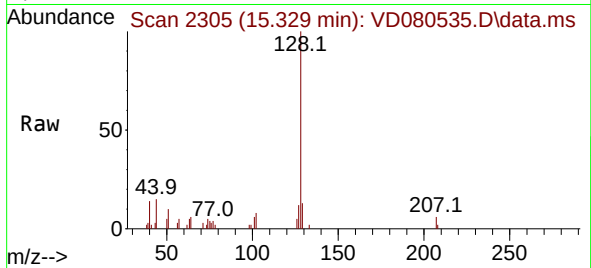




#95  
Naphthalene  
Concen: 2.867 ug/l  
RT: 15.329 min Scan# 2305  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

Instrument :  
MSVOA\_D  
ClientSampleId :  
LOD-MDL-SOIL-01-QT4-2025

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 128     | 100   |       |       |
| 127     | 11.7  | 9.8   | 14.6  |
| 129     | 13.1  | 9.2   | 13.8  |



#96  
1,2,3-Trichlorobenzene  
Concen: 2.924 ug/l  
RT: 15.523 min Scan# 2338  
Delta R.T. 0.000 min  
Lab File: VD080535.D  
Acq: 18 Nov 2025 12:07

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 180     | 100   |       |       |
| 182     | 99.9  | 48.4  | 145.2 |
| 145     | 36.2  | 15.9  | 47.6  |

