

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062025\  
 Data File : VD080464.D  
 Acq On : 20 Jun 2025 12:27  
 Operator : RP/MD  
 Sample : Q2117-03  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT2-2025-03

Quant Time: Jun 23 08:53:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061825SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jun 23 08:51:45 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.782  | 114   | 197186   | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.582 | 117   | 190989   | 25.00    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.517 | 152   | 86978    | 25.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.276  | 65    | 66532    | 19.90    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.60%   |
| 7) Chloroethane-d5            | 2.812  | 69    | 63213    | 22.16    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.64%   |
| 11) 1,1-Dichloroethene-d2     | 3.917  | 65    | 24504    | 21.72    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 86.88%   |
| 21) 2-Butanone-d5             | 6.988  | 46    | 24852    | 44.84    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 89.68%   |
| 24) Chloroform-d              | 7.564  | 84    | 125007   | 23.02    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 92.08%   |
| 26) 1,2-Dichloroethane-d4     | 8.229  | 65    | 65450    | 23.57    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 94.28%   |
| 32) Benzene-d6                | 8.200  | 84    | 240231   | 22.87    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 91.48%   |
| 36) 1,2-Dichloropropane-d6    | 9.211  | 67    | 79930    | 23.19    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 92.76%   |
| 41) Toluene-d8                | 10.270 | 98    | 225007   | 22.92    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.68%   |
| 43) trans-1,3-Dichloroprop... | 10.523 | 79    | 32506    | 22.64    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.56%   |
| 47) 2-Hexanone-d5             | 10.876 | 63    | 20979    | 40.09    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 80.18%   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.646 | 84    | 66462    | 21.33    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 85.32%   |
| 66) 1,2-Dichlorobenzene-d4    | 13.811 | 152   | 78816    | 24.99    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 99.96%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.935  | 85    | 3646     | 1.17     | ug/L   | 96       |
| 3) Chloromethane              | 2.147  | 50    | 3715     | 1.27     | ug/L   | 90       |
| 5) Vinyl chloride             | 2.288  | 62    | 4450     | 1.25     | ug/L # | 67       |
| 6) Bromomethane               | 2.694  | 94    | 3046     | 1.37     | ug/L   | 99       |
| 8) Chloroethane               | 2.841  | 64    | 4342     | 1.77     | ug/L # | 81       |
| 9) Trichlorofluoromethane     | 3.176  | 101   | 6171     | 1.26     | ug/L # | 63       |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.970  | 101   | 1332     | 0.44     | ug/L # | 67       |
| 12) 1,1-Dichloroethene        | 3.941  | 96    | 3472     | 1.40     | ug/L # | 1        |
| 13) Acetone                   | 4.017  | 43    | 887      | 1.88     | ug/L   | 85       |
| 14) Carbon disulfide          | 4.270  | 76    | 9947     | 1.19     | ug/L   | 99       |
| 15) Methyl Acetate            | 4.559  | 43    | 1161     | 1.02     | ug/L # | 50       |
| 16) Methylene chloride        | 4.806  | 84    | 6018     | 1.97     | ug/L   | 83       |
| 19) 1,1-Dichloroethane        | 6.111  | 63    | 5473     | 1.13     | ug/L   | 92       |
| 20) cis-1,2-Dichloroethene    | 7.082  | 96    | 3476     | 1.23     | ug/L   | 83       |
| 23) Bromochloromethane        | 7.417  | 128   | 810      | 0.53     | ug/L   | 92       |
| 25) Chloroform                | 7.594  | 83    | 13261    | 2.37     | ug/L   | 94       |
| 27) 1,2-Dichloroethane        | 8.323  | 62    | 3864     | 1.23     | ug/L # | 83       |
| 29) Cyclohexane               | 7.876  | 56    | 2393     | 0.60     | ug/L # | 59       |
| 30) 1,1,1-Trichloroethane     | 7.788  | 97    | 5383     | 1.20     | ug/L # | 88       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD062025\  
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 Acq On : 20 Jun 2025 12:27  
 Operator : RP/MD  
 Sample : Q2117-03  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 6 Sample Multiplier: 1

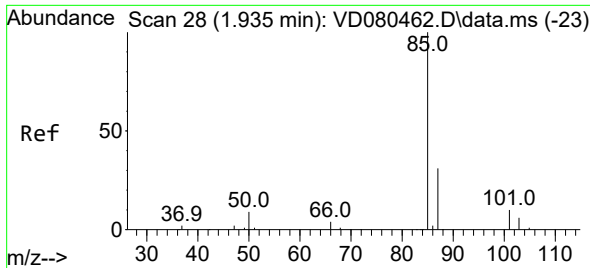
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT2-2025-03

Quant Time: Jun 23 08:53:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061825SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Mon Jun 23 08:51:45 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 31) Carbon tetrachloride      | 7.994  | 117  | 4717     | 1.09 | ug/L   | 97       |
| 33) Benzene                   | 8.247  | 78   | 12858    | 1.23 | ug/L   | 100      |
| 34) Trichloroethene           | 9.023  | 95   | 3817     | 1.26 | ug/L # | 83       |
| 35) Methylcyclohexane         | 9.282  | 83   | 4456     | 1.00 | ug/L   | 94       |
| 38) Bromodichloromethane      | 9.582  | 83   | 4455     | 1.16 | ug/L   | 80       |
| 39) cis-1,3-Dichloropropene   | 10.011 | 75   | 5051     | 1.16 | ug/L   | 82       |
| 40) 4-Methyl-2-pentanone      | 10.158 | 43   | 3193     | 2.13 | ug/L # | 89       |
| 42) Toluene                   | 10.335 | 91   | 14076    | 1.22 | ug/L   | 89       |
| 44) trans-1,3-Dichloropropene | 10.547 | 75   | 4203     | 1.14 | ug/L   | 96       |
| 45) 1,1,2-Trichloroethane     | 10.735 | 97   | 2917     | 1.23 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.805 | 164  | 3267     | 1.21 | ug/L   | 84       |
| 48) 2-Hexanone                | 10.923 | 43   | 2928     | 2.68 | ug/L # | 94       |
| 49) Dibromochloromethane      | 11.076 | 129  | 3514     | 1.21 | ug/L   | 91       |
| 50) 1,2-Dibromoethane         | 11.188 | 107  | 830      | 0.36 | ug/L # | 90       |
| 51) Chlorobenzene             | 11.605 | 112  | 9209     | 1.15 | ug/L # | 87       |
| 52) Ethylbenzene              | 11.676 | 91   | 12804    | 1.02 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.794 | 106  | 5022     | 1.02 | ug/L   | 94       |
| 54) o-Xylene                  | 12.117 | 106  | 4499     | 0.97 | ug/L   | 82       |
| 55) Styrene                   | 12.135 | 104  | 7982     | 0.97 | ug/L   | 95       |
| 57) 1,1,2,2-Tetrachloroethane | 12.670 | 83   | 3358     | 1.16 | ug/L # | 88       |
| 59) Bromoform                 | 12.299 | 173  | 2338     | 1.37 | ug/L # | 65       |
| 60) Isopropylbenzene          | 12.417 | 105  | 11754    | 1.14 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 12.729 | 75   | 1391     | 0.85 | ug/L # | 68       |
| 62) 1,3,5-Trimethylbenzene    | 12.905 | 105  | 9189     | 1.16 | ug/L   | 96       |
| 63) 1,2,4-Trimethylbenzene    | 13.205 | 105  | 9412     | 1.20 | ug/L   | 94       |
| 64) 1,3-Dichlorobenzene       | 13.458 | 146  | 7322     | 1.36 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.540 | 146  | 7949     | 1.42 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.829 | 146  | 6398     | 1.31 | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 15.523 | 180  | 3821     | 1.03 | ug/L   | 97       |
| 70) 1,2,4-trichlorobenzene    | 15.099 | 180  | 4141     | 1.36 | ug/L # | 87       |
| 71) Naphthalene               | 15.329 | 128  | 6682     | 1.21 | ug/L # | 96       |
| 72) 1,2,3-Trichlorobenzene    | 15.523 | 180  | 3821     | 1.34 | ug/L   | 97       |

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

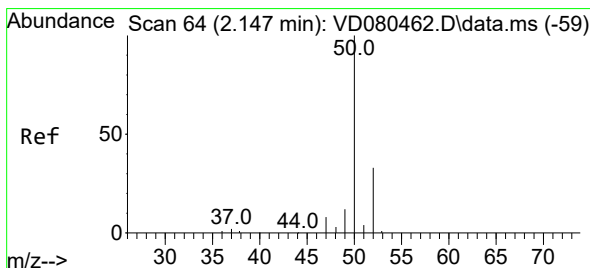
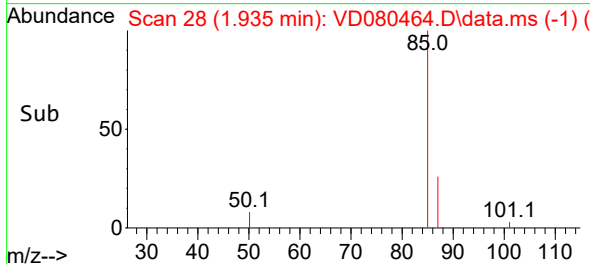
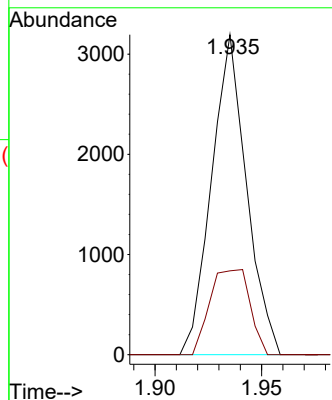
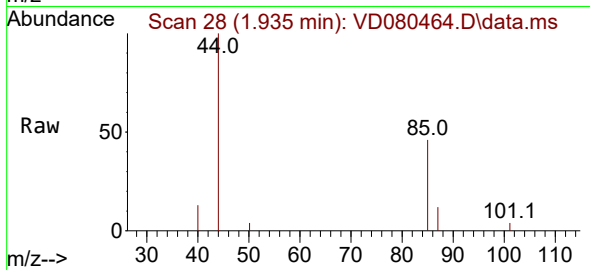




#2  
Dichlorodifluoromethane  
Concen: 1.17 ug/L  
RT: 1.935 min Scan# 28  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

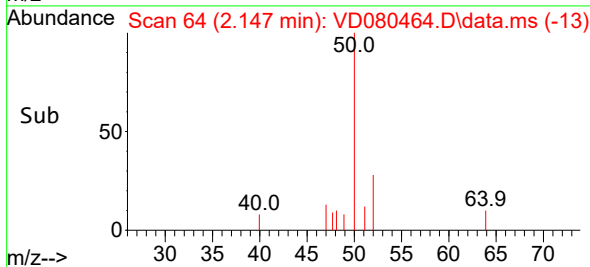
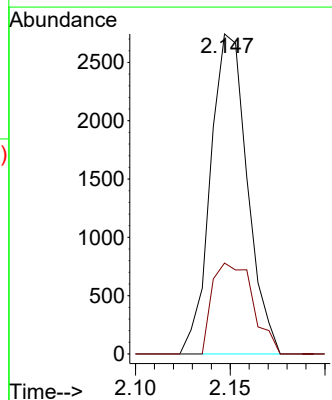
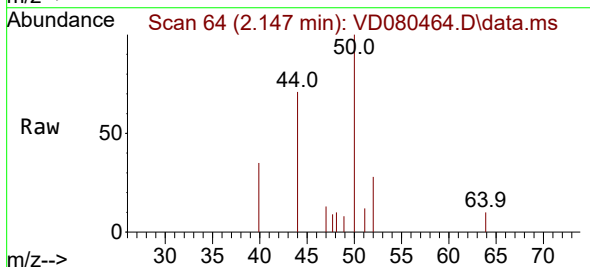
Instrument : MSVOA\_D  
ClientSampleId : MDL-SOIL-QT2-2025-03

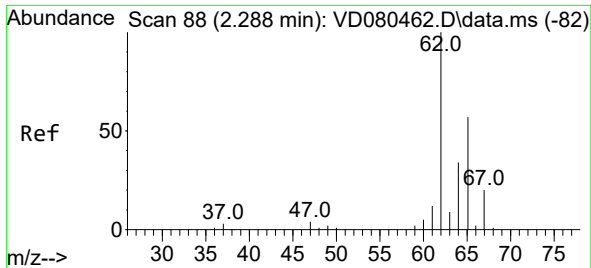
Tgt Ion: 85 Resp: 3646  
Ion Ratio Lower Upper  
85 100  
87 30.4 25.9 38.9



#3  
Chloromethane  
Concen: 1.27 ug/L  
RT: 2.147 min Scan# 64  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion: 50 Resp: 3715  
Ion Ratio Lower Upper  
50 100  
52 28.4 23.8 44.2

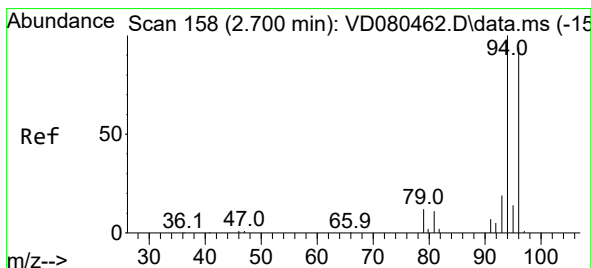
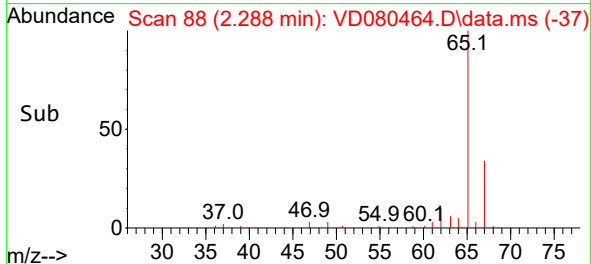
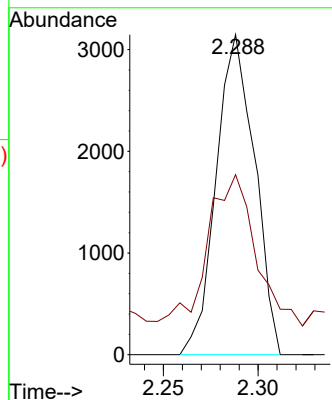
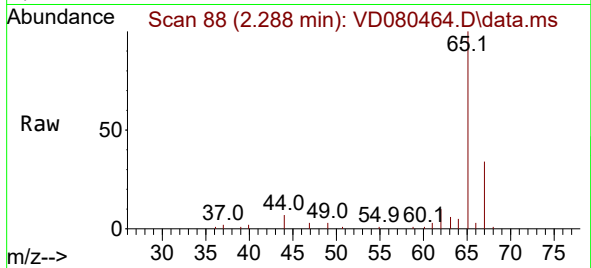




#5  
 Vinyl chloride  
 Concen: 1.25 ug/L  
 RT: 2.288 min Scan# 81  
 Delta R.T. -0.000 min  
 Lab File: VD080464.D  
 Acq: 20 Jun 2025 12:27

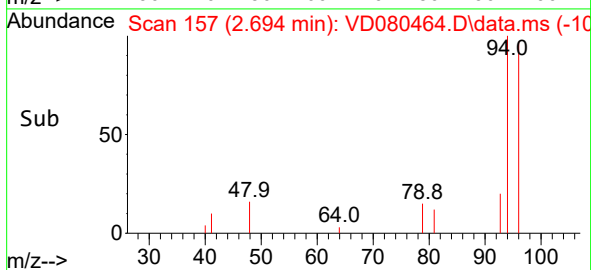
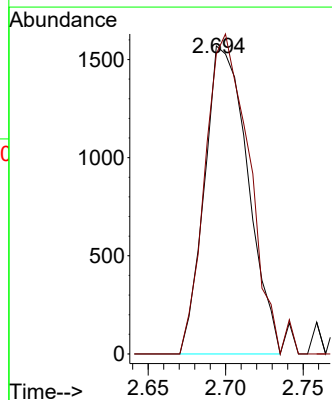
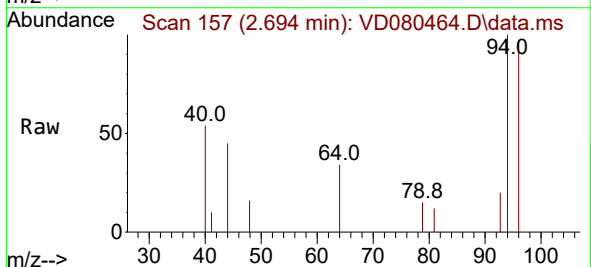
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT2-2025-03

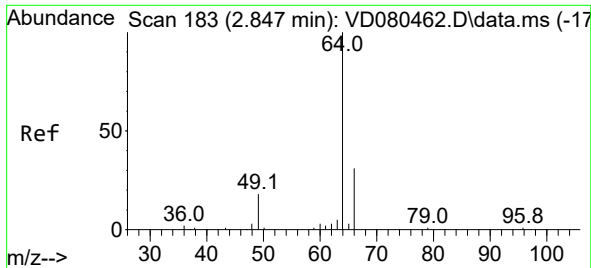
Tgt Ion: 62 Resp: 4450  
 Ion Ratio Lower Upper  
 62 100  
 64 56.2 25.6 47.6#



#6  
 Bromomethane  
 Concen: 1.37 ug/L  
 RT: 2.694 min Scan# 157  
 Delta R.T. -0.006 min  
 Lab File: VD080464.D  
 Acq: 20 Jun 2025 12:27

Tgt Ion: 94 Resp: 3046  
 Ion Ratio Lower Upper  
 94 100  
 96 97.5 67.6 125.6

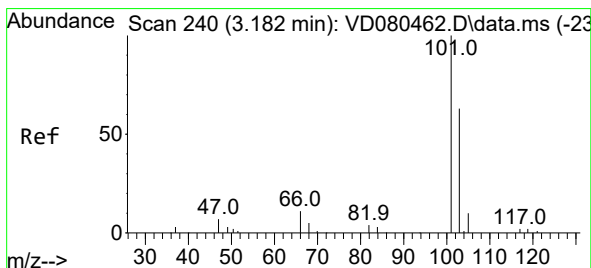
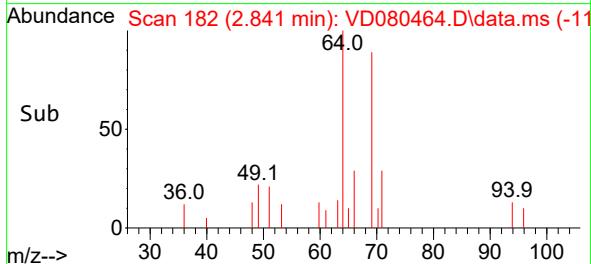
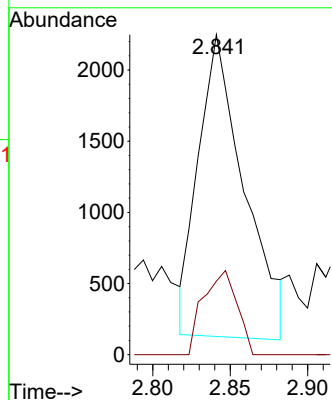
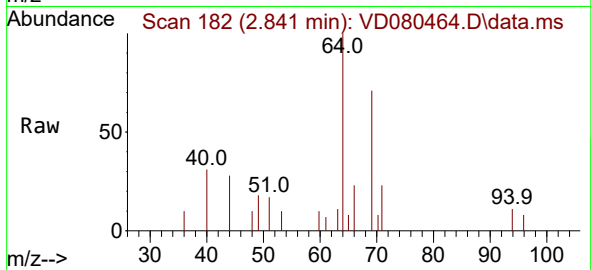




#8  
Chloroethane  
Concen: 1.77 ug/L  
RT: 2.841 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

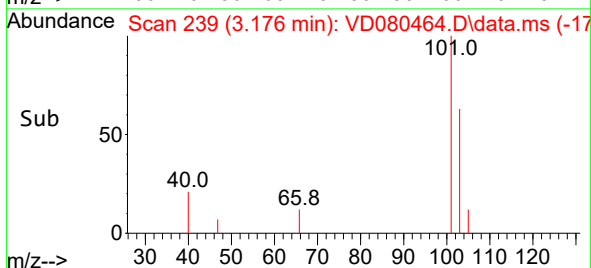
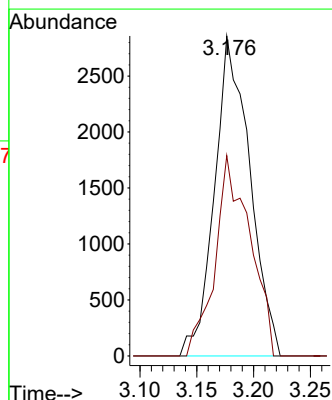
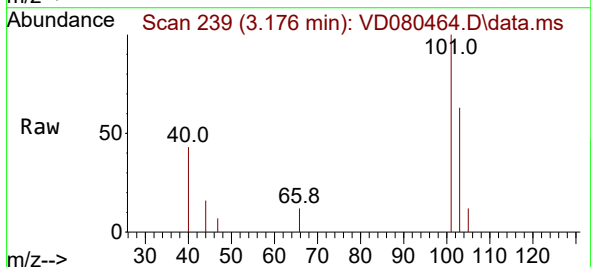
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

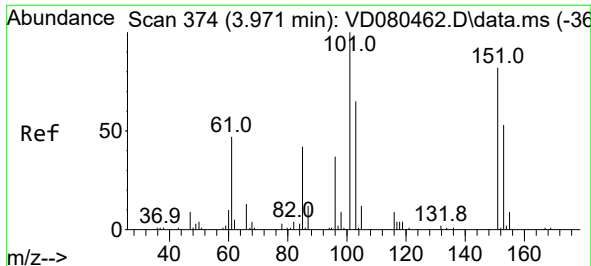
Tgt Ion: 64 Resp: 4342  
Ion Ratio Lower Upper  
64 100  
66 23.0 23.9 44.3#



#9  
Trichlorofluoromethane  
Concen: 1.26 ug/L  
RT: 3.176 min Scan# 239  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion:101 Resp: 6171  
Ion Ratio Lower Upper  
101 100  
103 34.5 51.0 76.4#

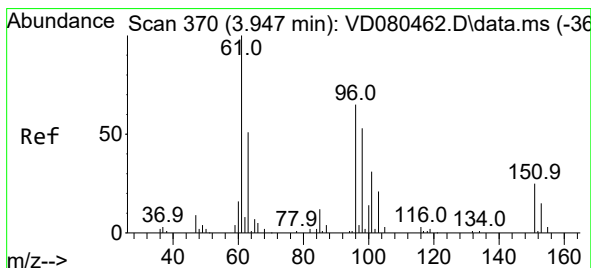
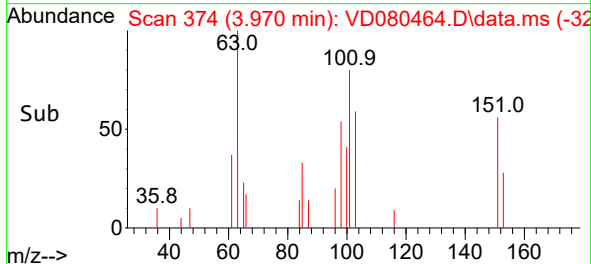
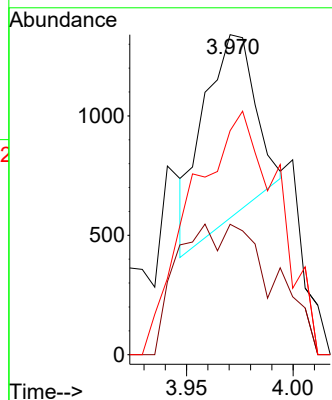
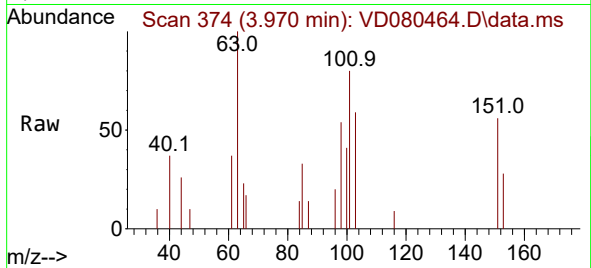




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.44 ug/L  
 RT: 3.970 min Scan# 31  
 Delta R.T. -0.000 min  
 Lab File: VD080464.D  
 Acq: 20 Jun 2025 12:27

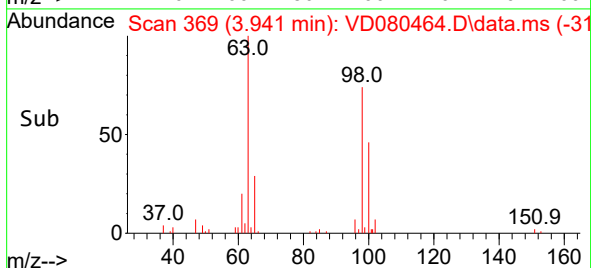
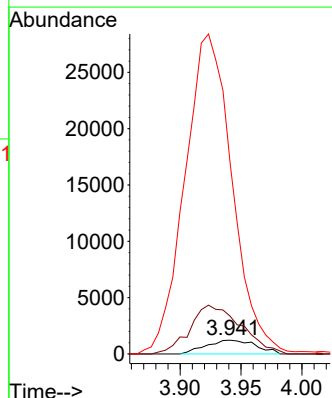
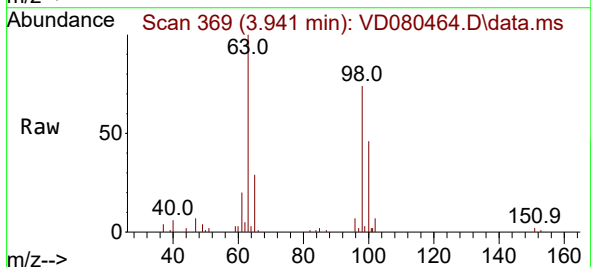
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT2-2025-03

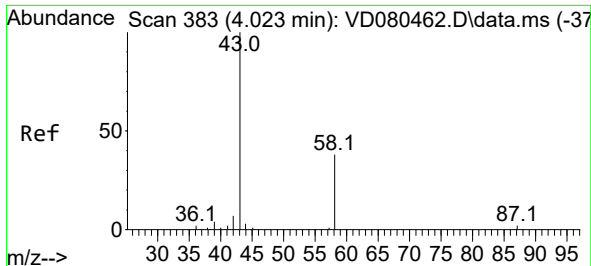
Tgt Ion:101 Resp: 1332  
 Ion Ratio Lower Upper  
 101 100  
 85 27.3 32.0 48.0#  
 151 44.6 63.7 95.5#



#12  
 1,1-Dichloroethene  
 Concen: 1.40 ug/L  
 RT: 3.941 min Scan# 369  
 Delta R.T. -0.006 min  
 Lab File: VD080464.D  
 Acq: 20 Jun 2025 12:27

Tgt Ion: 96 Resp: 3472  
 Ion Ratio Lower Upper  
 96 100  
 61 276.1 103.0 191.4#  
 63 1394.1 66.4 123.2#

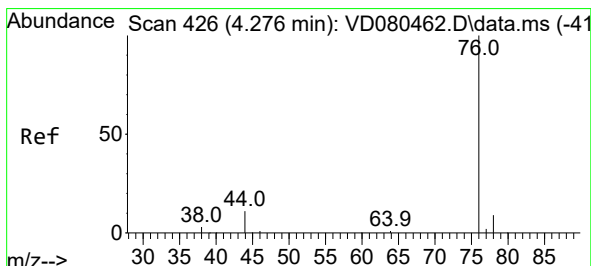
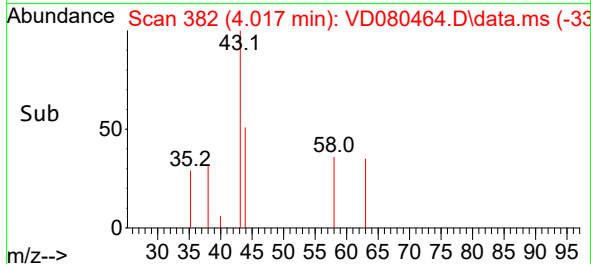
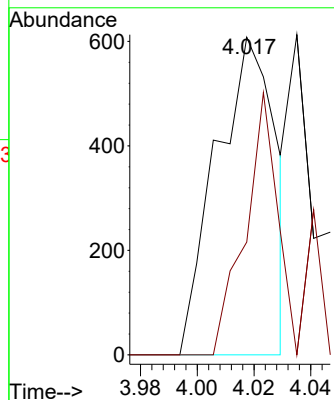
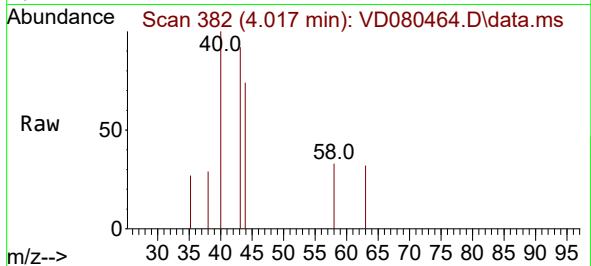




#13  
Acetone  
Concen: 1.88 ug/L  
RT: 4.017 min Scan# 382  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

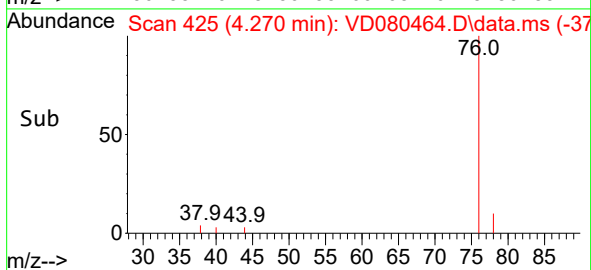
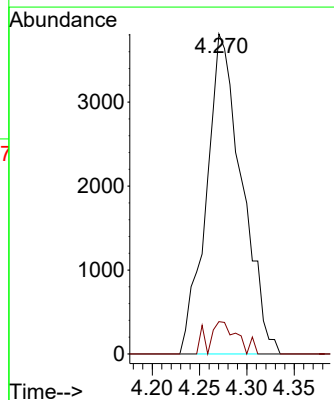
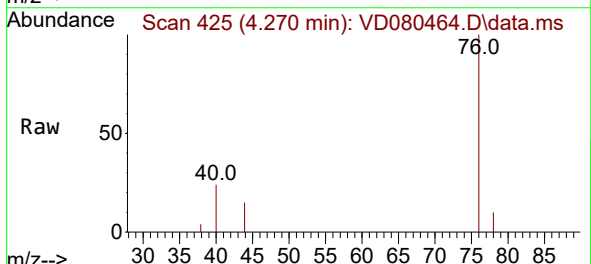
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

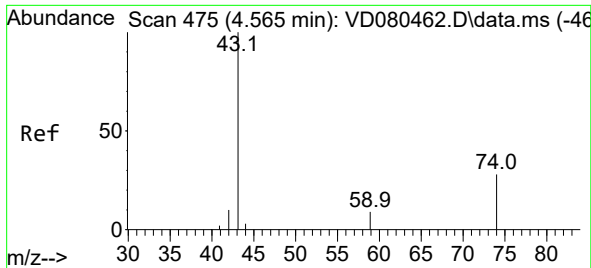
Tgt Ion: 43 Resp: 887  
Ion Ratio Lower Upper  
43 100  
58 44.4 0.0 71.0



#14  
Carbon disulfide  
Concen: 1.19 ug/L  
RT: 4.270 min Scan# 425  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion: 76 Resp: 9947  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.9 11.9

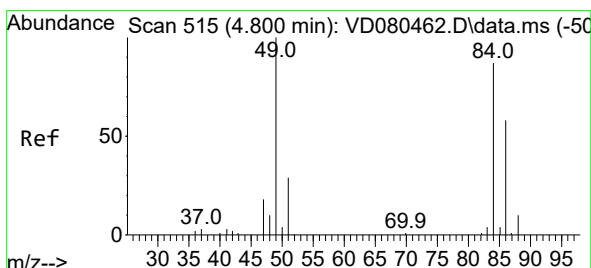
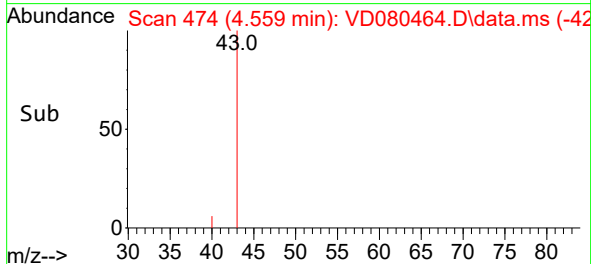
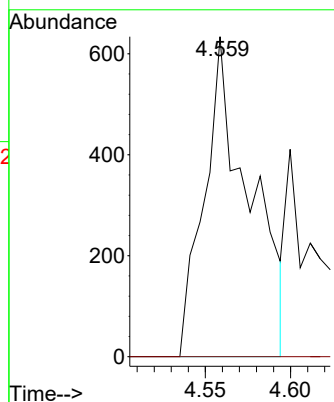
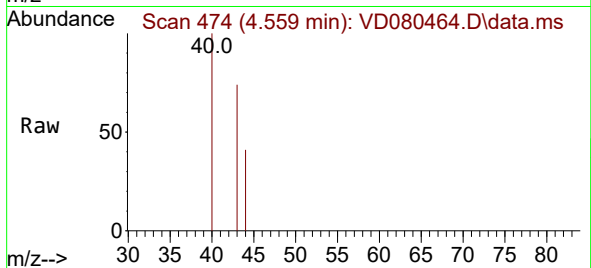




#15  
Methyl Acetate  
Concen: 1.02 ug/L  
RT: 4.559 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

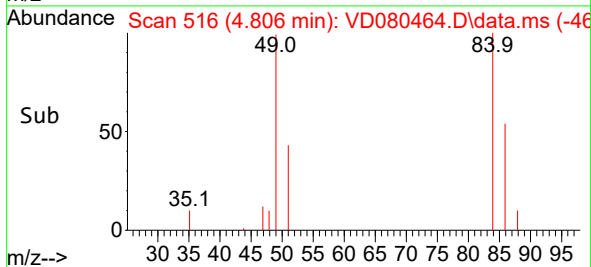
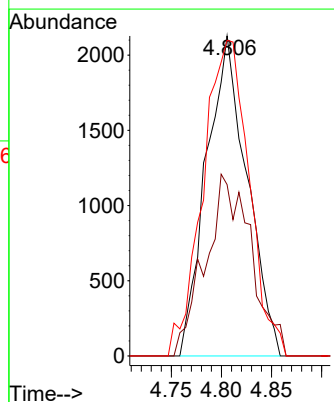
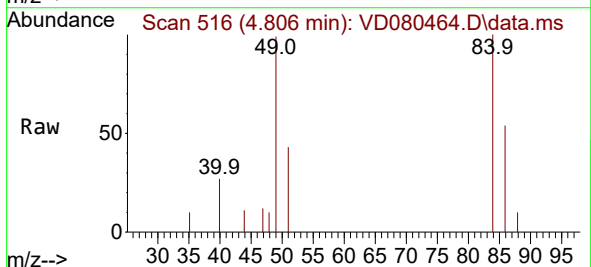
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

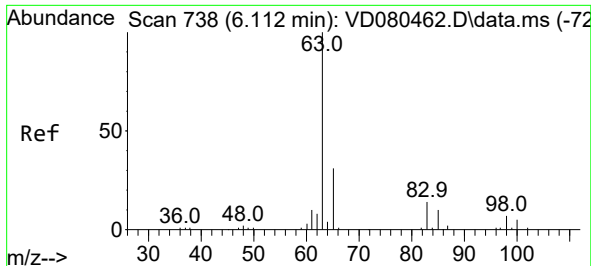
Tgt Ion: 43 Resp: 1161  
Ion Ratio Lower Upper  
43 100  
74 0.0 20.3 30.5#



#16  
Methylene chloride  
Concen: 1.97 ug/L  
RT: 4.806 min Scan# 516  
Delta R.T. 0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion: 84 Resp: 6018  
Ion Ratio Lower Upper  
84 100  
86 53.5 46.7 86.7  
49 98.6 83.0 154.1





#19

1,1-Dichloroethane

Concen: 1.13 ug/L

RT: 6.111 min Scan# 71

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

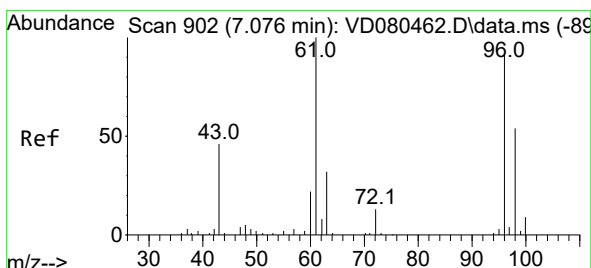
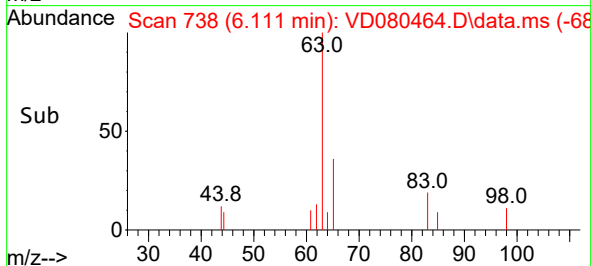
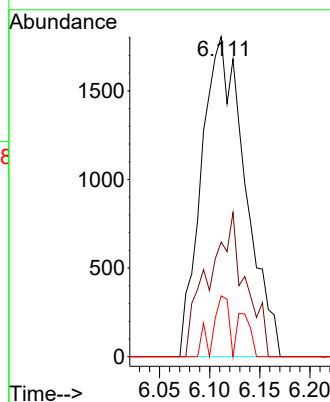
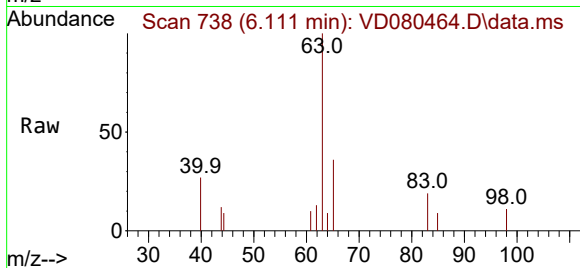
Tgt Ion: 63 Resp: 5473

Ion Ratio Lower Upper

63 100

65 35.8 22.0 41.0

83 19.0 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 1.23 ug/L

RT: 7.082 min Scan# 903

Delta R.T. 0.006 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

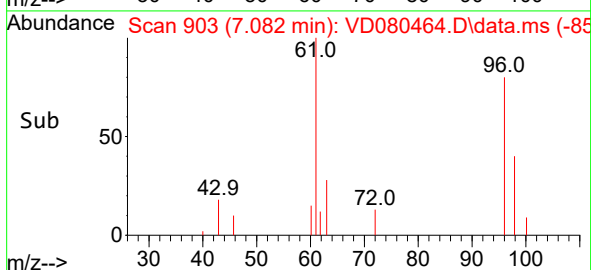
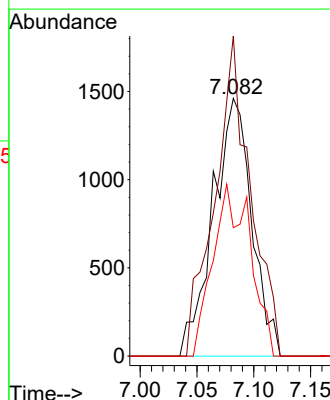
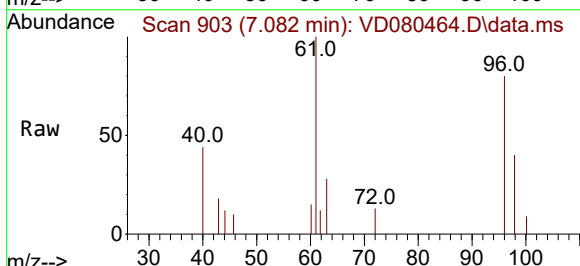
Tgt Ion: 96 Resp: 3476

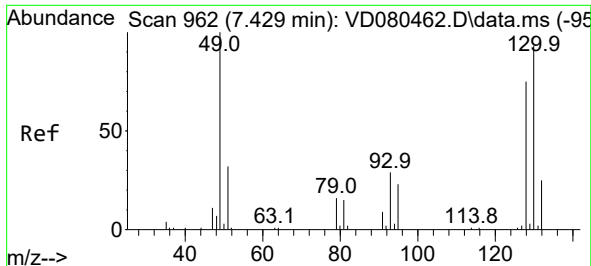
Ion Ratio Lower Upper

96 100

61 124.2 75.8 140.8

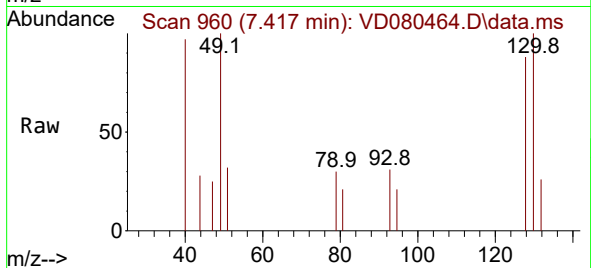
98 49.8 45.9 85.3



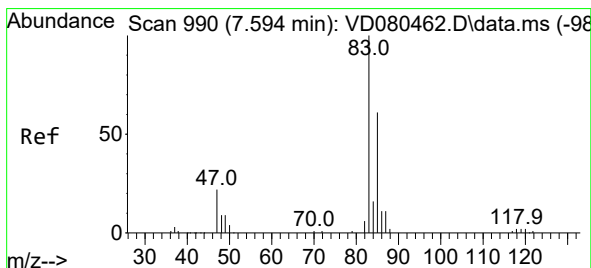
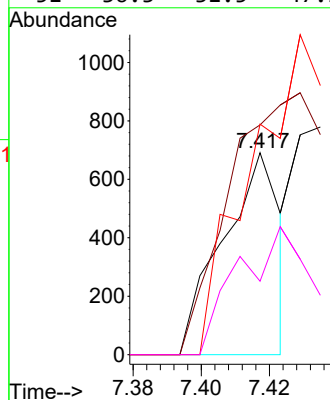
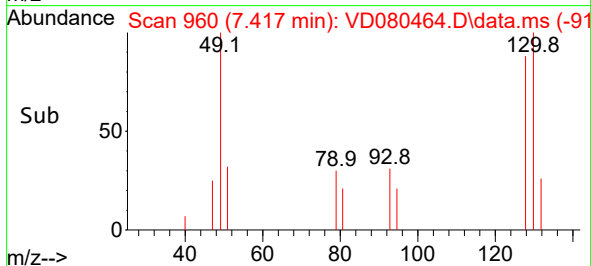


#23  
Bromochloromethane  
Concen: 0.53 ug/L  
RT: 7.417 min Scan# 910  
Delta R.T. -0.012 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

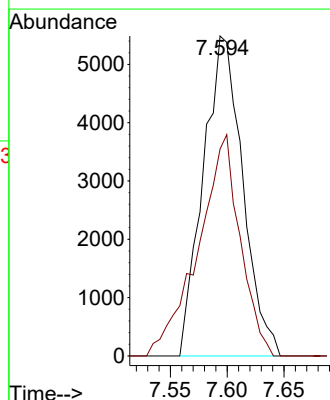
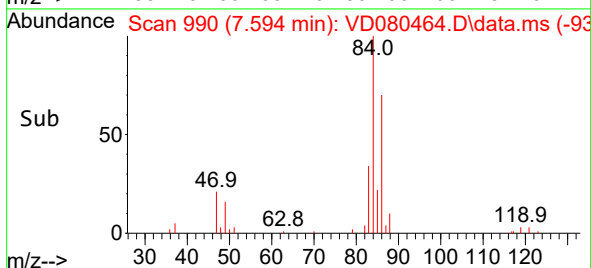
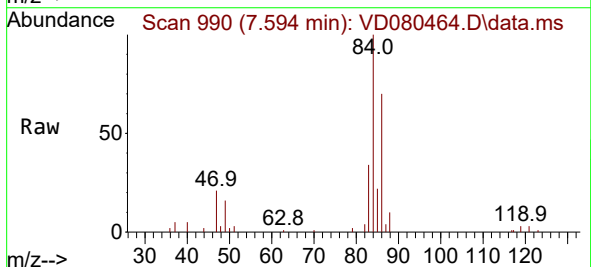


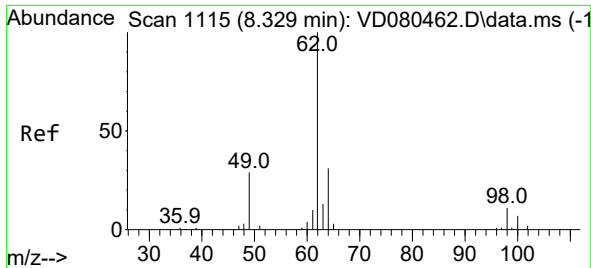
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 128   | Resp: | 810   |
| Ion      | Ratio | Lower | Upper |
| 128      | 100   |       |       |
| 49       | 113.7 | 89.5  | 166.3 |
| 130      | 114.2 | 82.5  | 153.1 |
| 51       | 36.3  | 31.5  | 47.3  |



#25  
Chloroform  
Concen: 2.37 ug/L  
RT: 7.594 min Scan# 990  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 13261 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.6  | 42.0  | 78.0  |





#27

1,2-Dichloroethane

Concen: 1.23 ug/L

RT: 8.323 min Scan# 1114

Delta R.T. -0.006 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA\_D

ClientSampleId :

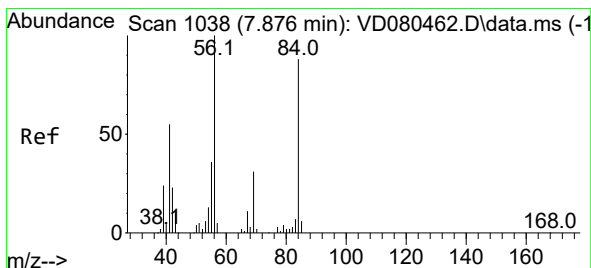
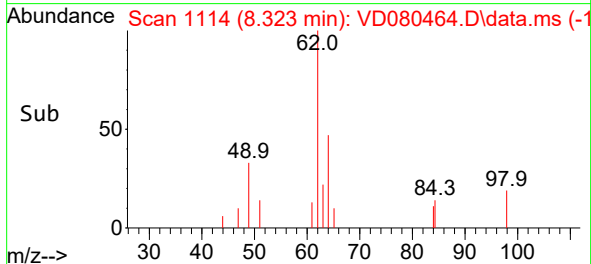
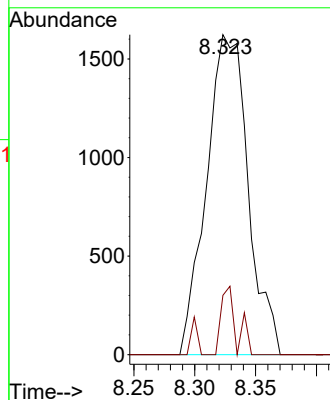
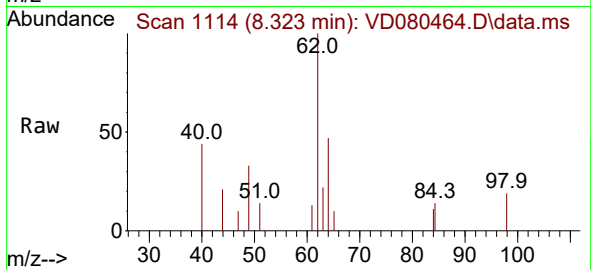
MDL-SOIL-QT2-2025-03

Tgt Ion: 62 Resp: 3864

Ion Ratio Lower Upper

62 100

98 18.5 9.4 14.2#



#29

Cyclohexane

Concen: 0.60 ug/L

RT: 7.876 min Scan# 1038

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

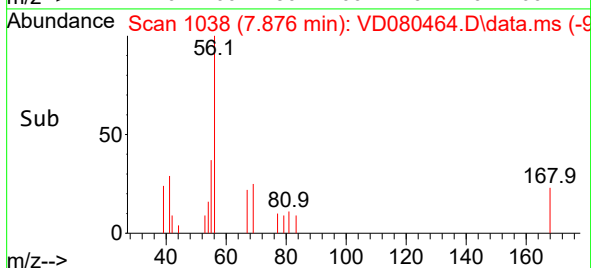
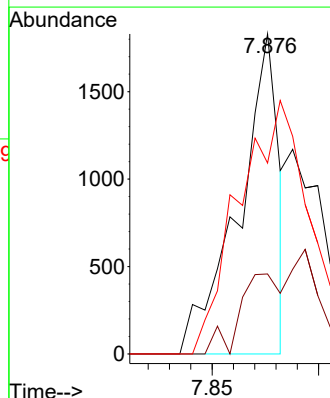
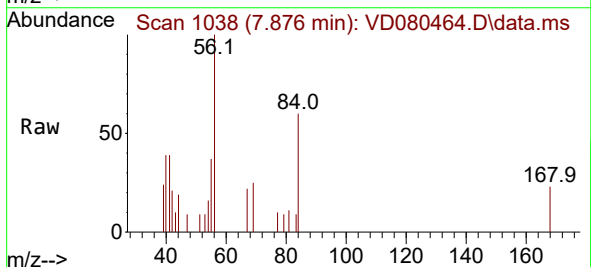
Tgt Ion: 56 Resp: 2393

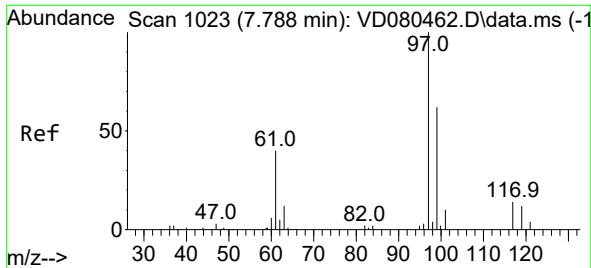
Ion Ratio Lower Upper

56 100

69 23.4 25.7 38.5#

84 139.8 73.4 110.0#

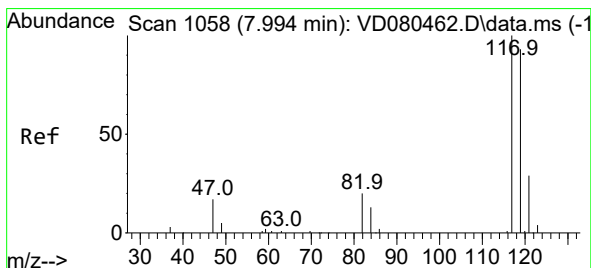
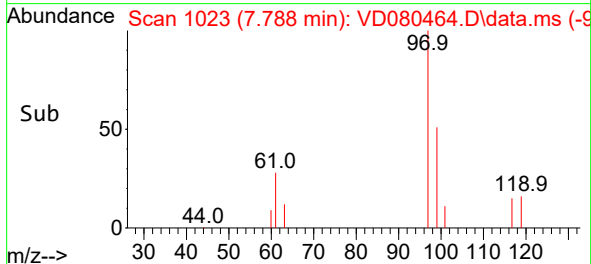
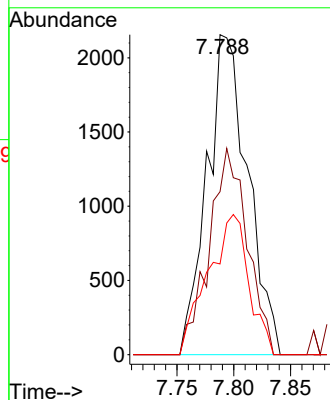
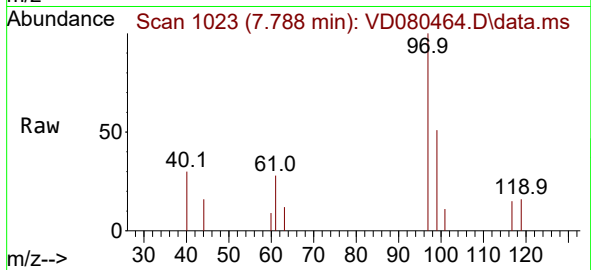




#30  
1,1,1-Trichloroethane  
Concen: 1.20 ug/L  
RT: 7.788 min Scan# 1023  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

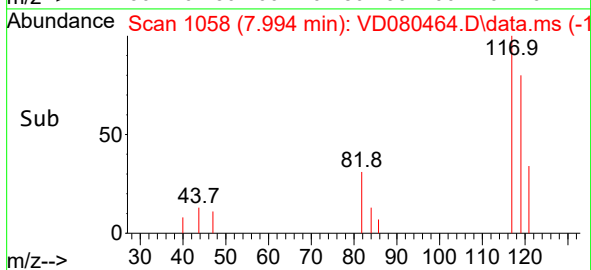
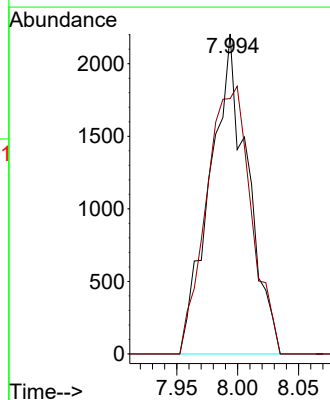
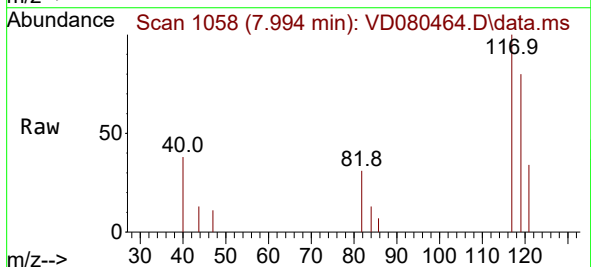
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

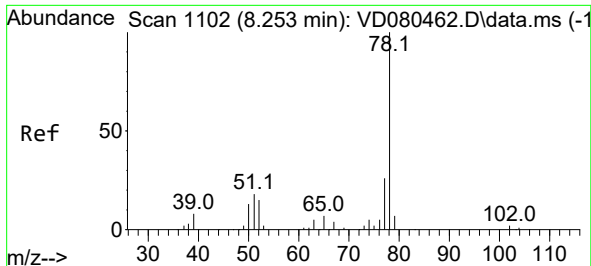
Tgt Ion: 97 Resp: 5383  
Ion Ratio Lower Upper  
97 100  
99 60.4 51.1 76.7  
61 26.1 32.4 48.6#



#31  
Carbon tetrachloride  
Concen: 1.09 ug/L  
RT: 7.994 min Scan# 1058  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion: 117 Resp: 4717  
Ion Ratio Lower Upper  
117 100  
119 99.6 77.2 115.8

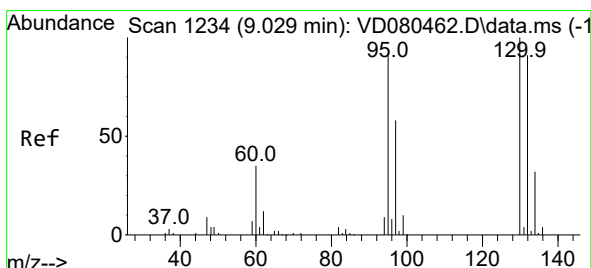
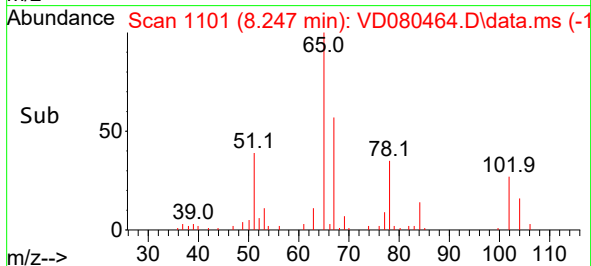
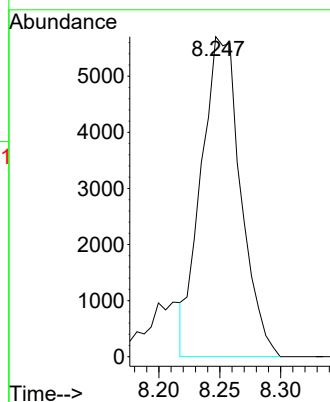
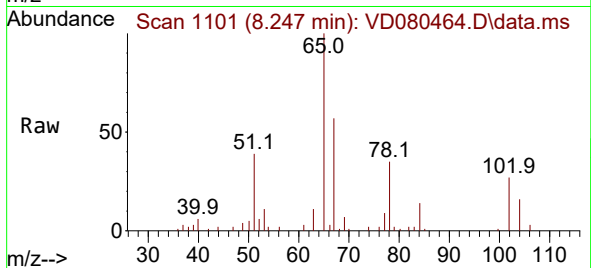




#33  
Benzene  
Concen: 1.23 ug/L  
RT: 8.247 min Scan# 1101  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

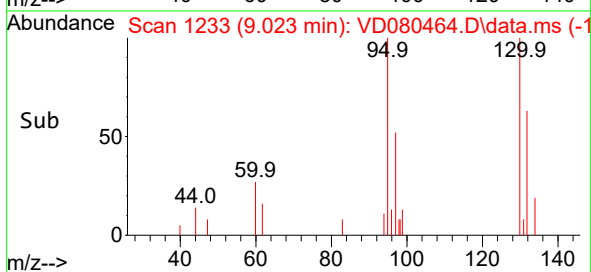
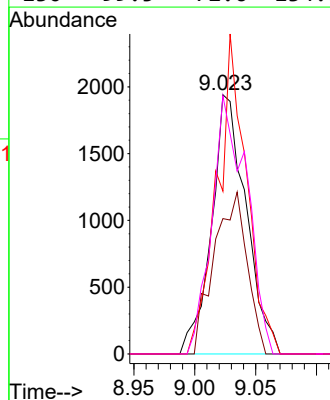
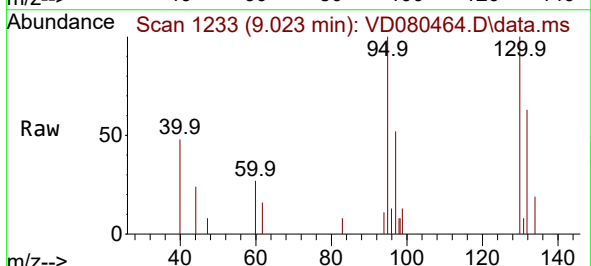
Tgt Ion: 78 Resp: 12858

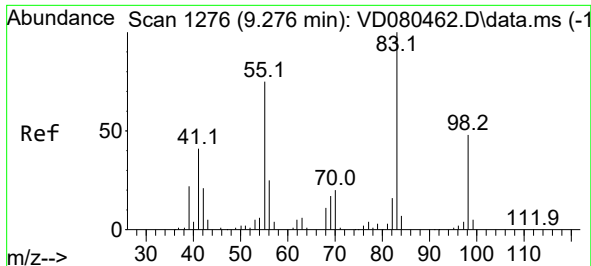


#34  
Trichloroethene  
Concen: 1.26 ug/L  
RT: 9.023 min Scan# 1233  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion: 95 Resp: 3817

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 52.2  | 41.5  | 77.1  |
| 132 | 62.8  | 69.1  | 128.3 |
| 130 | 99.5  | 72.6  | 134.8 |





#35

Methylcyclohexane

Concen: 1.00 ug/L

RT: 9.282 min Scan# 1277

Delta R.T. 0.006 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

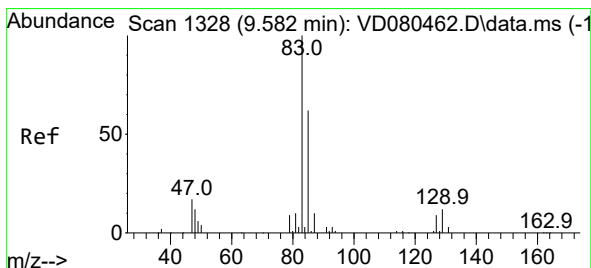
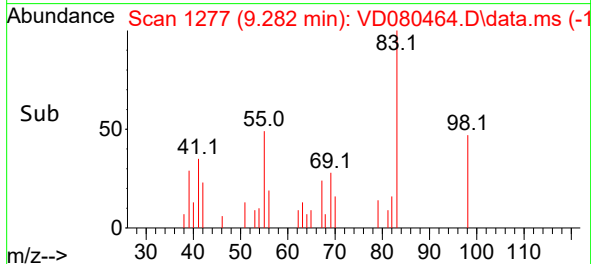
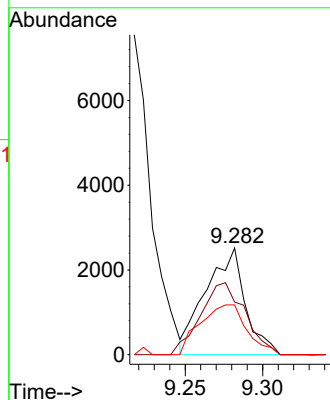
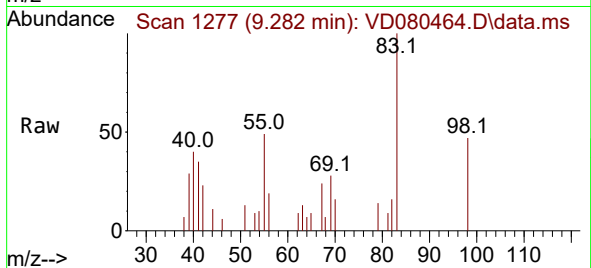
Tgt Ion: 83 Resp: 4456

Ion Ratio Lower Upper

83 100

55 76.2 59.7 89.5

98 55.5 38.2 57.2



#38

Bromodichloromethane

Concen: 1.16 ug/L

RT: 9.582 min Scan# 1328

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

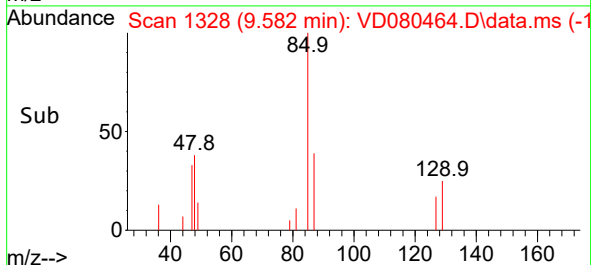
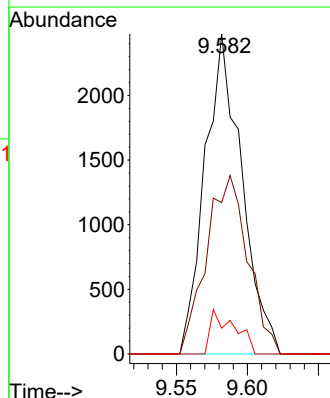
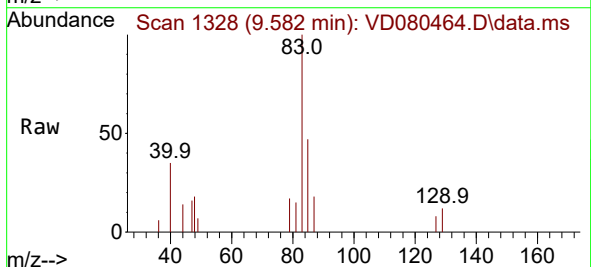
Tgt Ion: 83 Resp: 4455

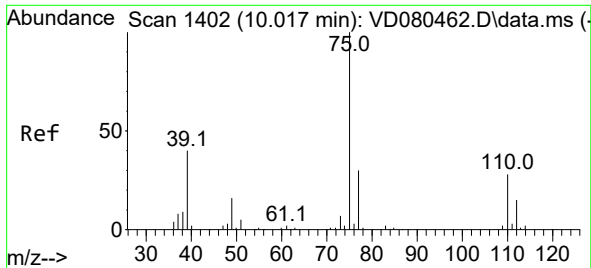
Ion Ratio Lower Upper

83 100

85 47.3 45.2 84.0

127 8.1 6.2 9.4

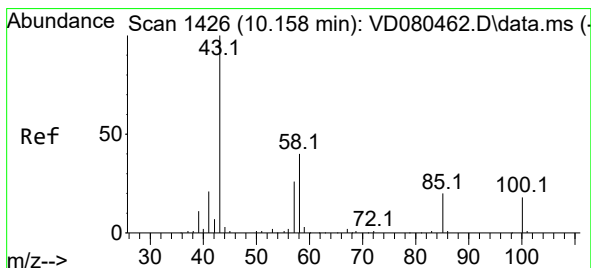
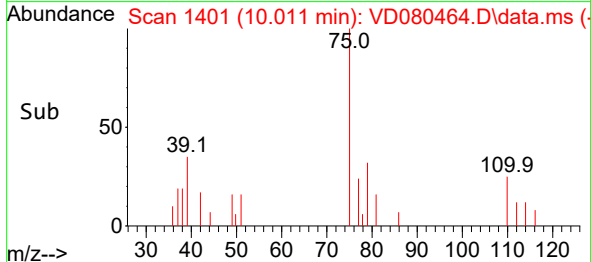
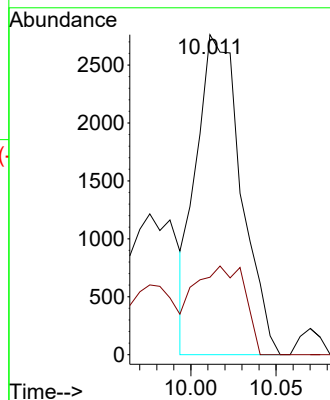
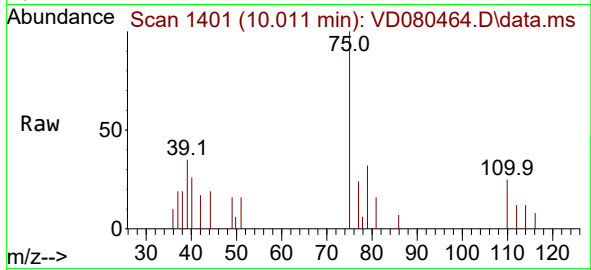




#39  
 cis-1,3-Dichloropropene  
 Concen: 1.16 ug/L  
 RT: 10.011 min Scan# 1402  
 Delta R.T. -0.006 min  
 Lab File: VD080464.D  
 Acq: 20 Jun 2025 12:27

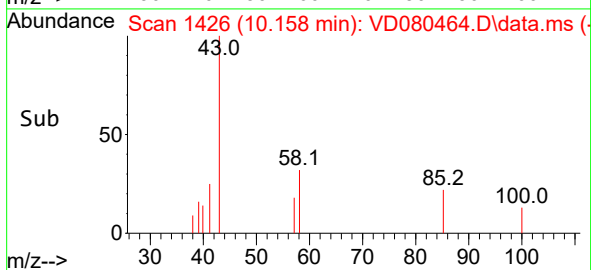
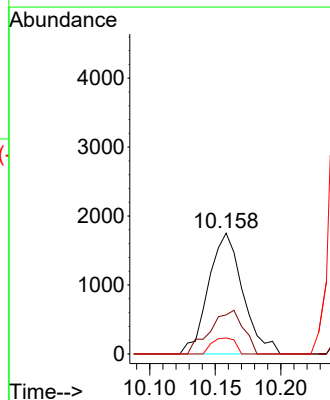
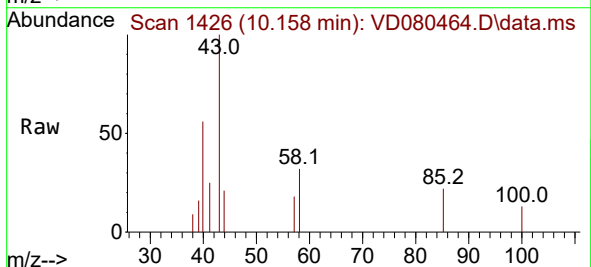
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT2-2025-03

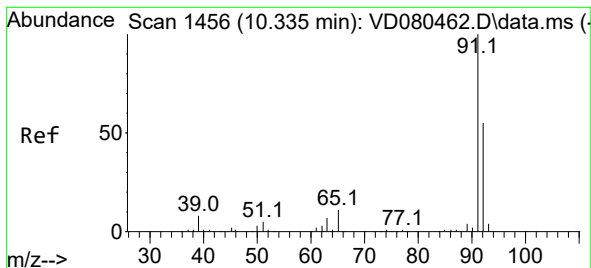
Tgt Ion: 75 Resp: 5051  
 Ion Ratio Lower Upper  
 75 100  
 77 24.2 24.1 44.7



#40  
 4-Methyl-2-pentanone  
 Concen: 2.13 ug/L  
 RT: 10.158 min Scan# 1426  
 Delta R.T. -0.000 min  
 Lab File: VD080464.D  
 Acq: 20 Jun 2025 12:27

Tgt Ion: 43 Resp: 3193  
 Ion Ratio Lower Upper  
 43 100  
 58 35.0 31.7 47.5  
 100 8.9 13.4 20.0#





#42

Toluene

Concen: 1.22 ug/L

RT: 10.335 min Scan# 1456

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA\_D

ClientSampleId :

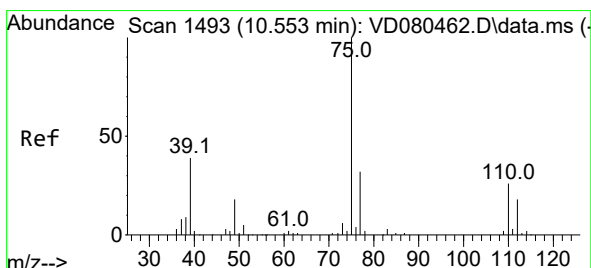
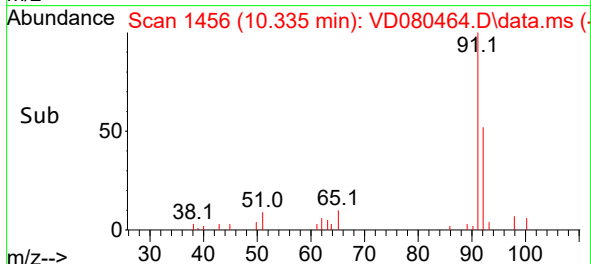
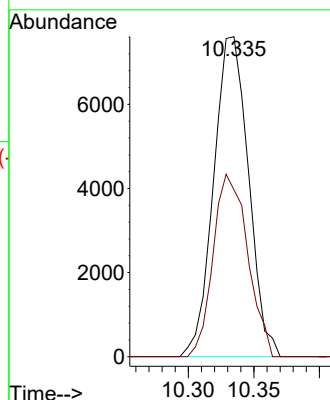
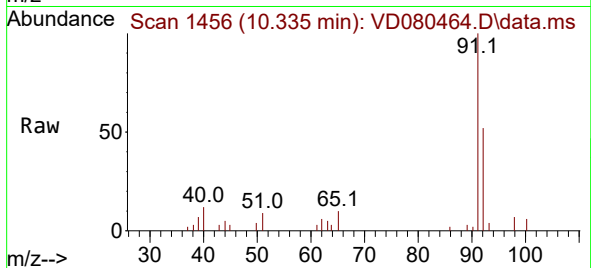
MDL-SOIL-QT2-2025-03

Tgt Ion: 91 Resp: 14076

Ion Ratio Lower Upper

91 100

92 52.2 42.6 79.0



#44

trans-1,3-Dichloropropene

Concen: 1.14 ug/L

RT: 10.547 min Scan# 1492

Delta R.T. -0.006 min

Lab File: VD080464.D

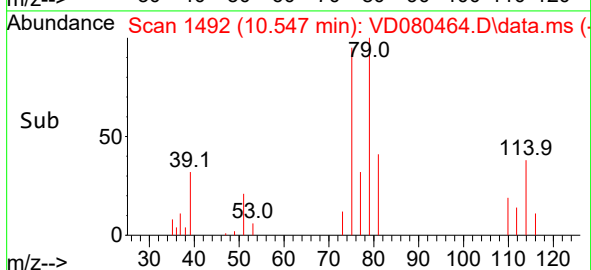
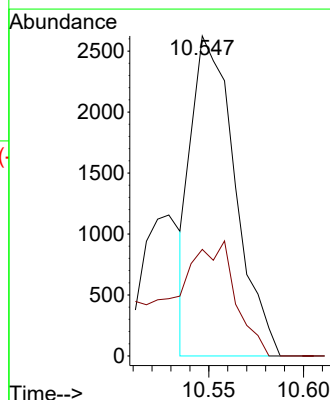
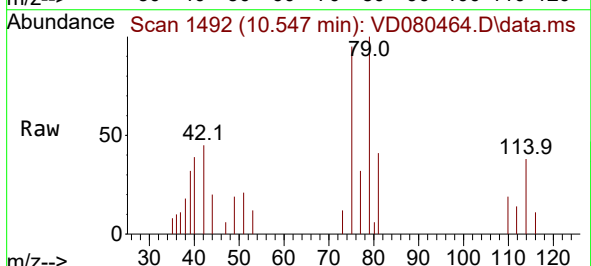
Acq: 20 Jun 2025 12:27

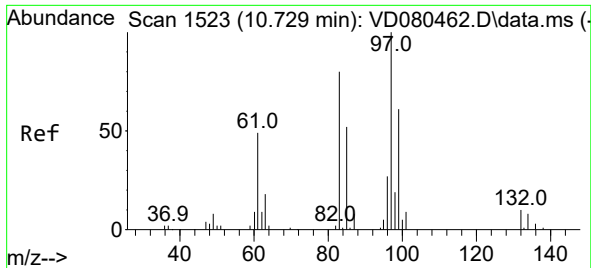
Tgt Ion: 75 Resp: 4203

Ion Ratio Lower Upper

75 100

77 33.3 21.8 40.6

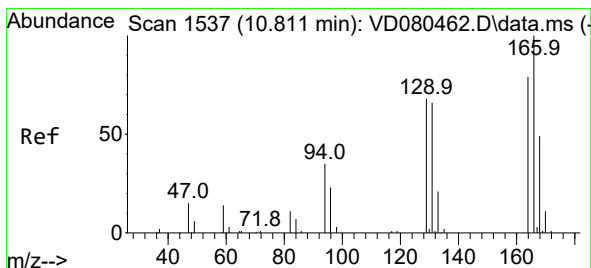
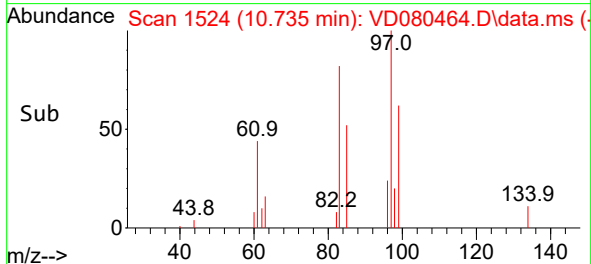
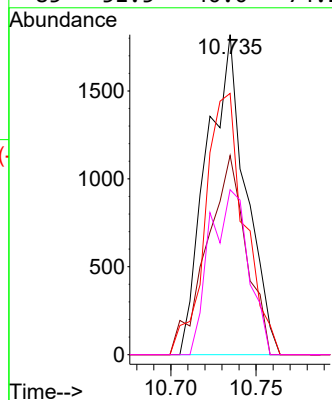
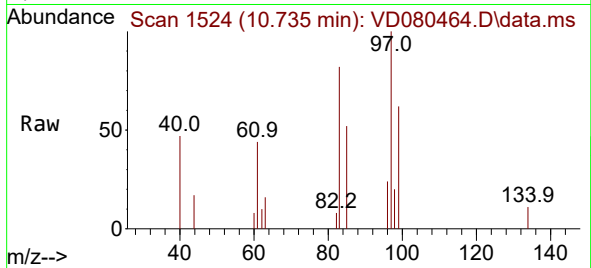




#45  
1,1,2-Trichloroethane  
Concen: 1.23 ug/L  
RT: 10.735 min Scan# 1524  
Delta R.T. 0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

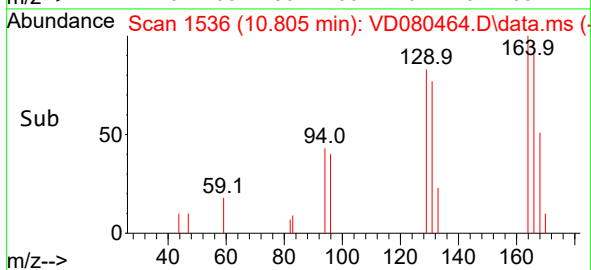
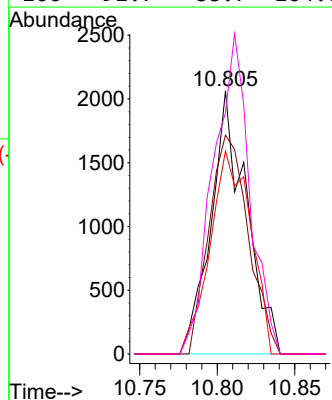
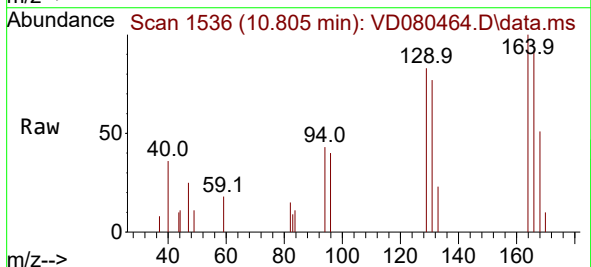
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

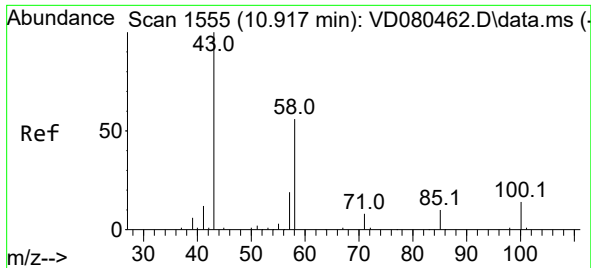
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 97 | Resp: | 2917  |       |
| Ion         | Ratio | Lower | Upper |
| 97          | 100   |       |       |
| 99          | 62.3  | 46.5  | 86.3  |
| 83          | 81.6  | 58.5  | 108.7 |
| 85          | 51.5  | 40.0  | 74.2  |



#46  
Tetrachloroethene  
Concen: 1.21 ug/L  
RT: 10.805 min Scan# 1536  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:164 | Resp: | 3267  |
| Ion | Ratio   | Lower | Upper |
| 164 | 100     |       |       |
| 129 | 83.1    | 59.7  | 110.9 |
| 131 | 77.1    | 58.7  | 109.1 |
| 166 | 91.7    | 88.7  | 164.7 |

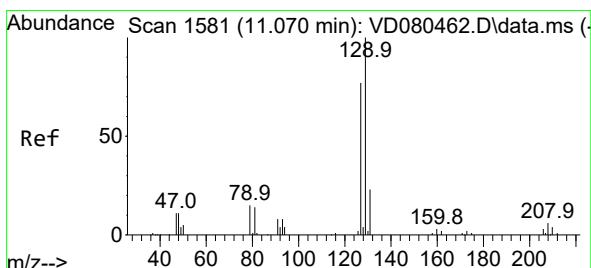
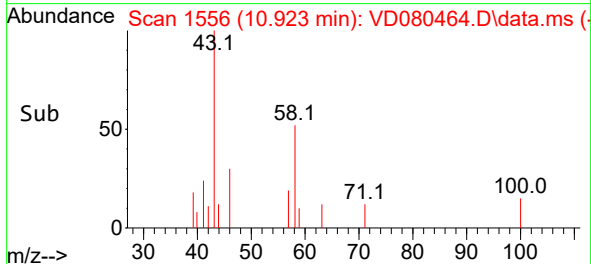
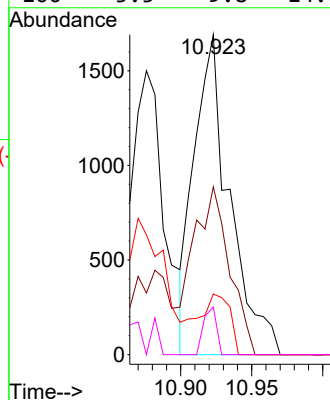
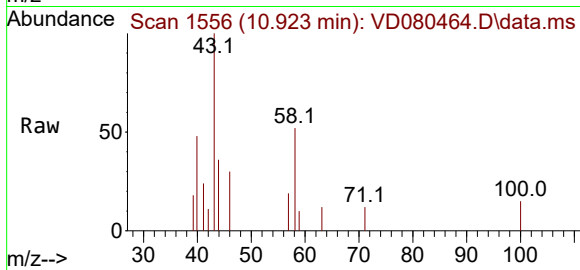




#48  
2-Hexanone  
Concen: 2.68 ug/L  
RT: 10.923 min Scan# 1556  
Delta R.T. 0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

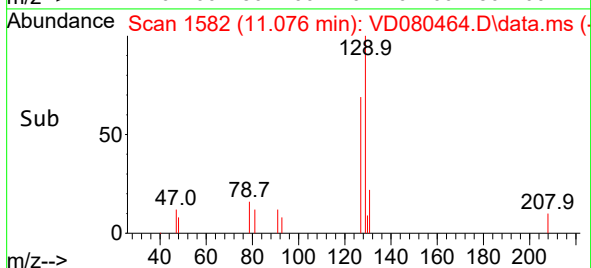
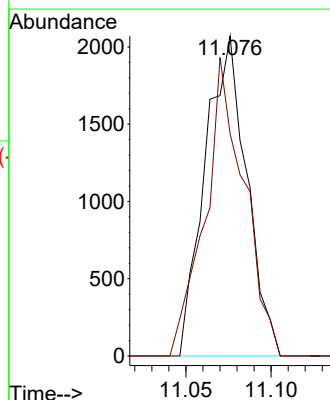
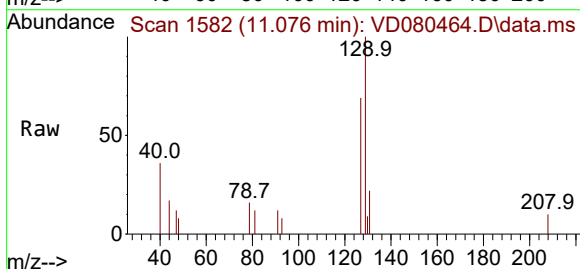
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

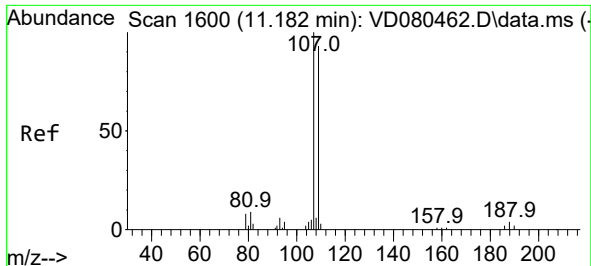
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 2928  |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 55.6     | 43.8 65.6   |
| 57 13.0     | 15.6 23.4#  |
| 100 5.5     | 9.8 14.6#   |



#49  
Dibromochloromethane  
Concen: 1.21 ug/L  
RT: 11.076 min Scan# 1582  
Delta R.T. 0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 3514  |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 69.4  | 54.1  | 100.5 |

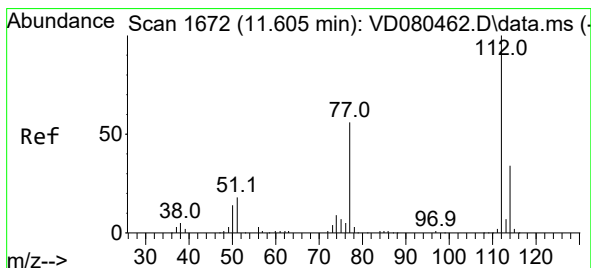
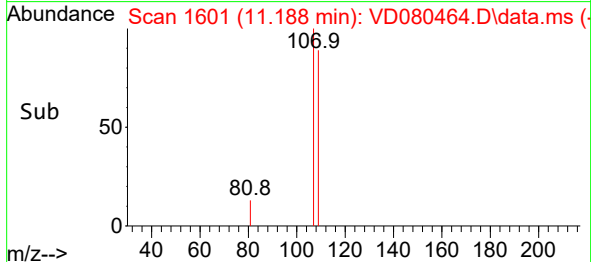
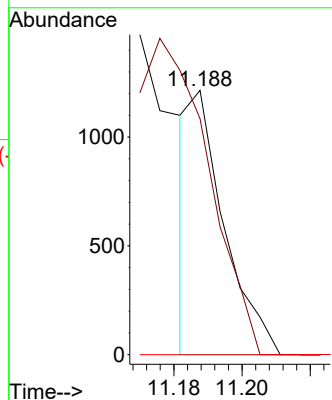
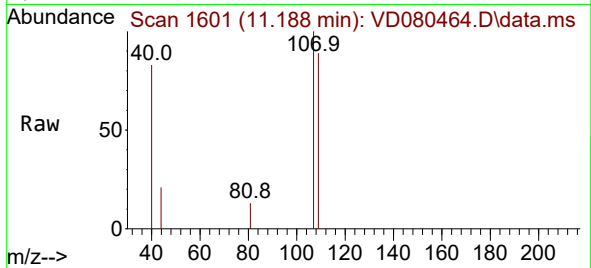




#50  
1,2-Dibromoethane  
Concen: 0.36 ug/L  
RT: 11.188 min Scan# 1601  
Delta R.T. 0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

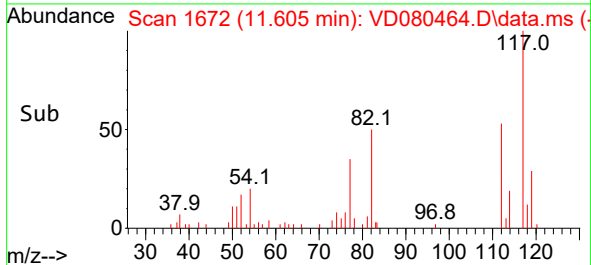
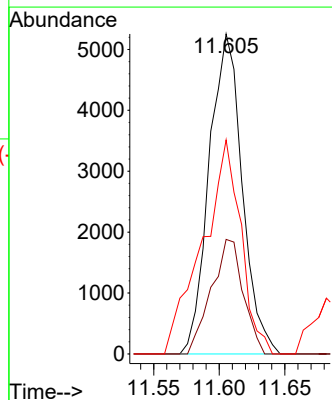
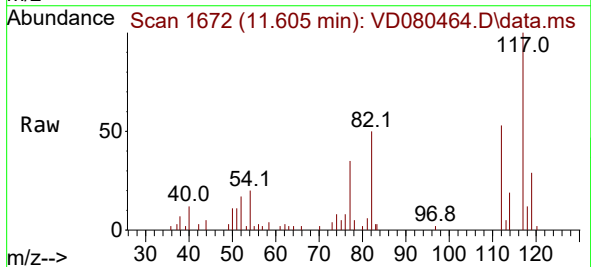
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

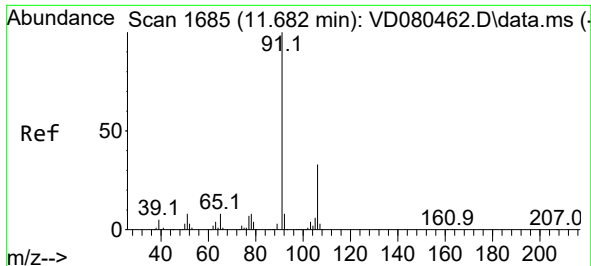
Tgt Ion:107 Resp: 830  
Ion Ratio Lower Upper  
107 100  
109 89.3 69.8 129.6  
188 0.0 2.9 4.3#



#51  
Chlorobenzene  
Concen: 1.15 ug/L  
RT: 11.605 min Scan# 1672  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion:112 Resp: 9209  
Ion Ratio Lower Upper  
112 100  
114 35.8 22.3 41.3  
77 66.9 44.2 66.4#

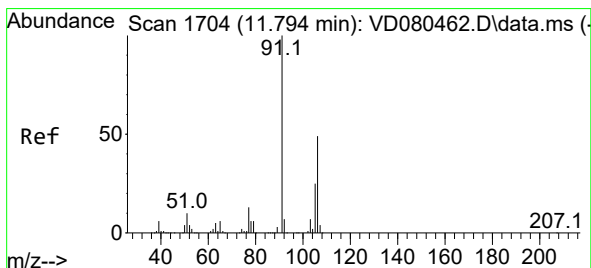
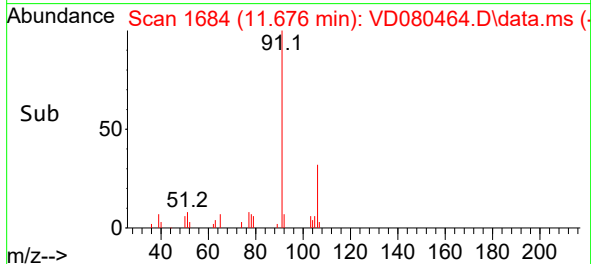
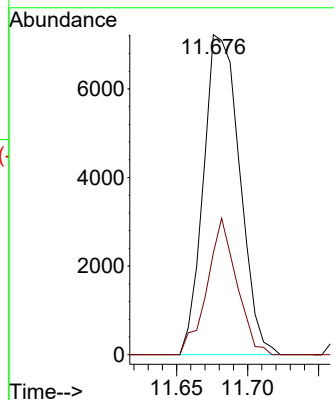
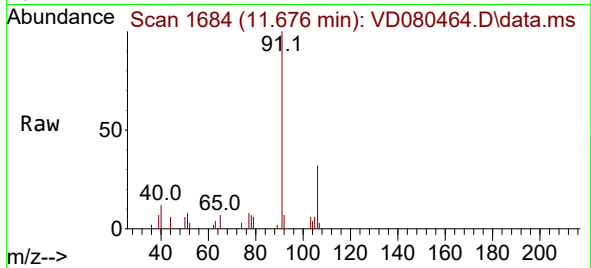




#52  
Ethylbenzene  
Concen: 1.02 ug/L  
RT: 11.676 min Scan# 1168  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

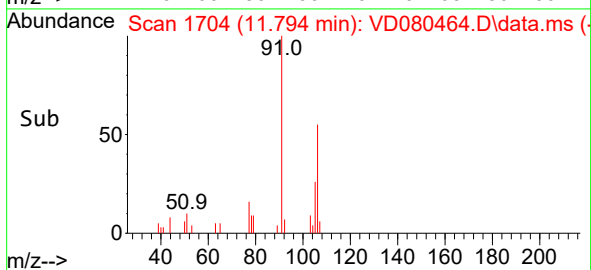
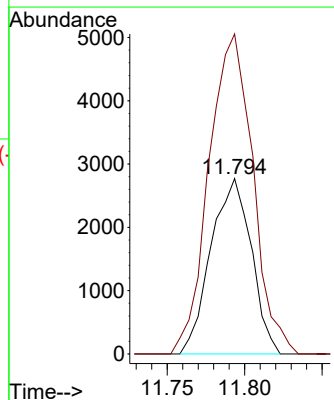
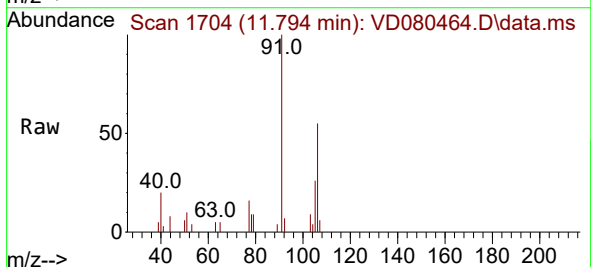
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

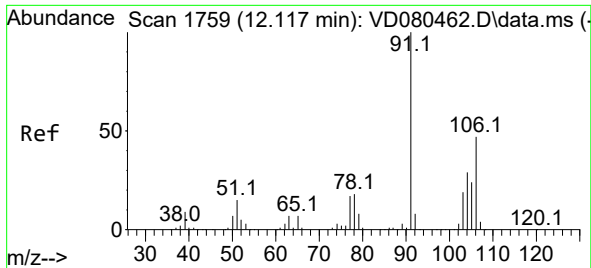
Tgt Ion: 91 Resp: 12804  
Ion Ratio Lower Upper  
91 100  
106 31.7 22.1 41.1



#53  
m,p-Xylene  
Concen: 1.02 ug/L  
RT: 11.794 min Scan# 1704  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion: 106 Resp: 5022  
Ion Ratio Lower Upper  
106 100  
91 182.5 134.1 249.1

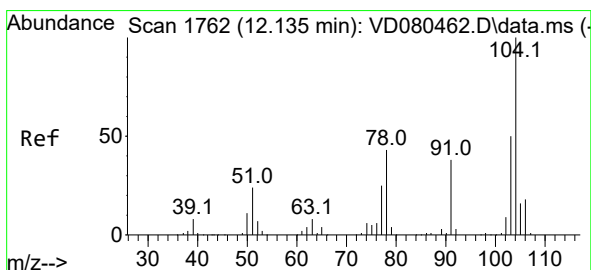
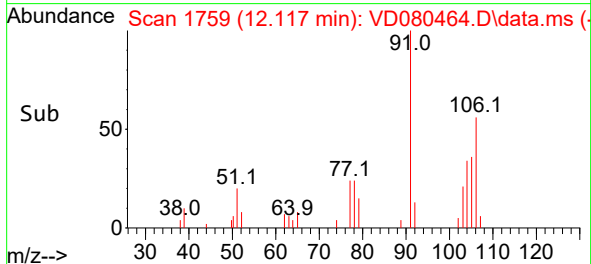
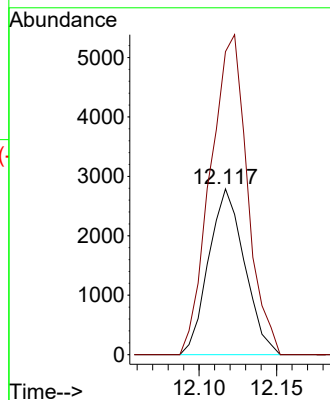
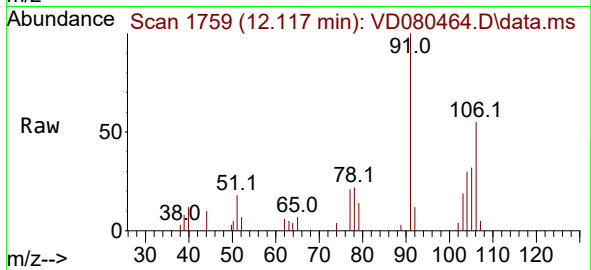




#54  
o-Xylene  
Concen: 0.97 ug/L  
RT: 12.117 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

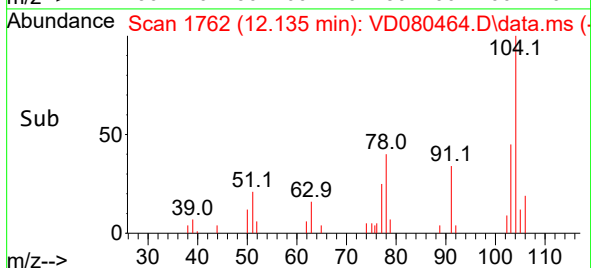
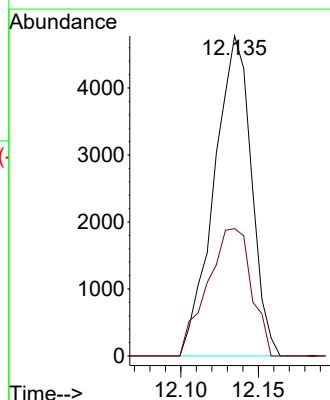
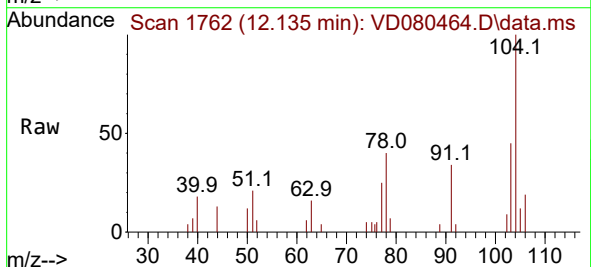
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

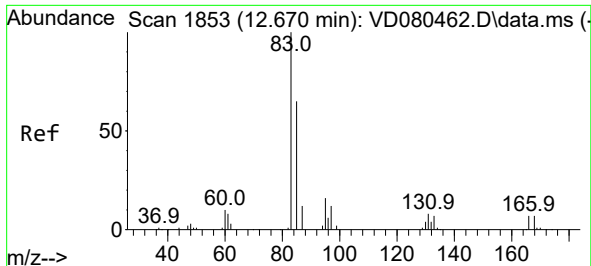
Tgt Ion:106 Resp: 4499  
Ion Ratio Lower Upper  
106 100  
91 182.8 148.3 275.3



#55  
Styrene  
Concen: 0.97 ug/L  
RT: 12.135 min Scan# 1762  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion:104 Resp: 7982  
Ion Ratio Lower Upper  
104 100  
78 39.8 30.0 55.8

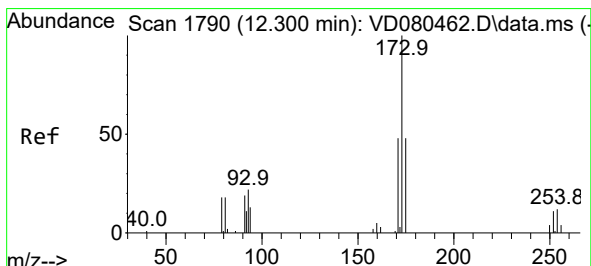
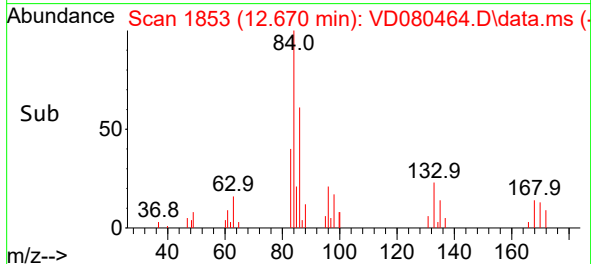
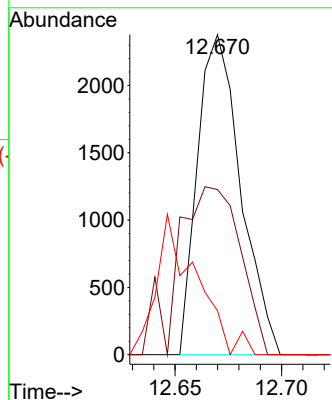
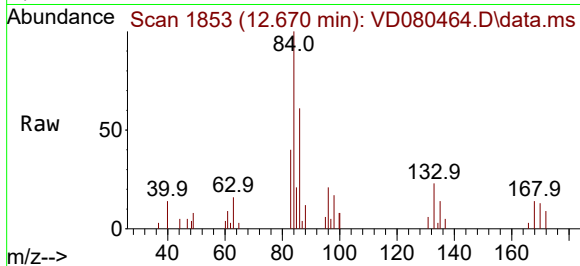




#57  
1,1,2,2-Tetrachloroethane  
Concen: 1.16 ug/L  
RT: 12.670 min Scan# 1853  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

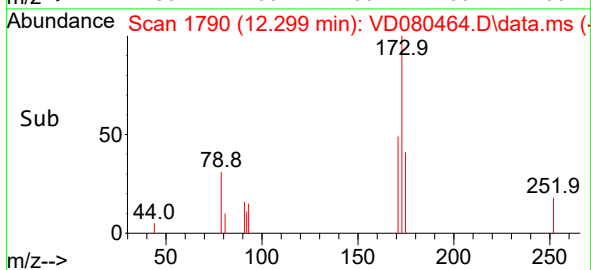
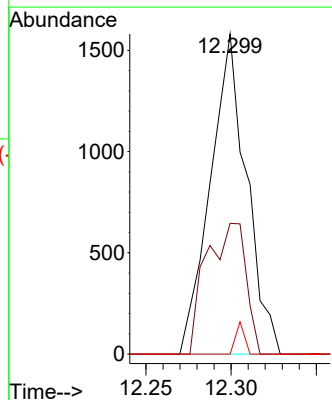
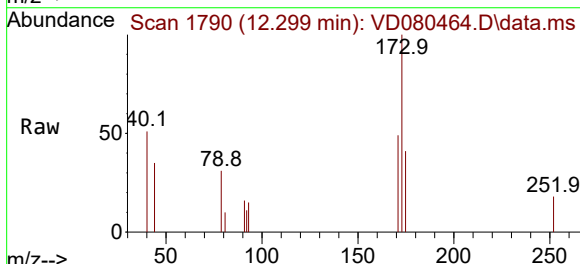
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

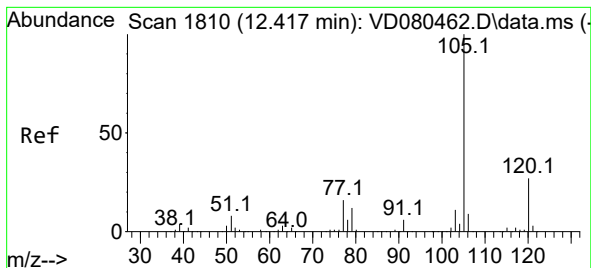
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3358  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 51.6  | 42.8  | 79.6  |
| 131      | 13.8  | 7.8   | 11.8# |



#59  
Bromoform  
Concen: 1.37 ug/L  
RT: 12.299 min Scan# 1790  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 2338  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 23.1  | 38.2  | 57.4# |
| 254      | 0.0   | 9.0   | 13.4# |





#60

Isopropylbenzene

Concen: 1.14 ug/L

RT: 12.417 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

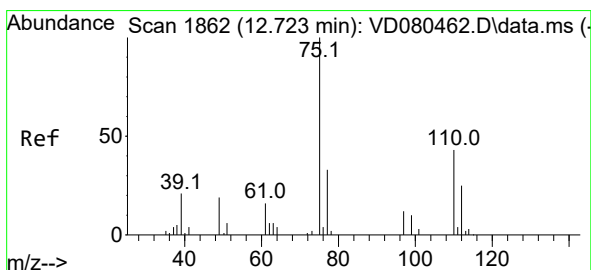
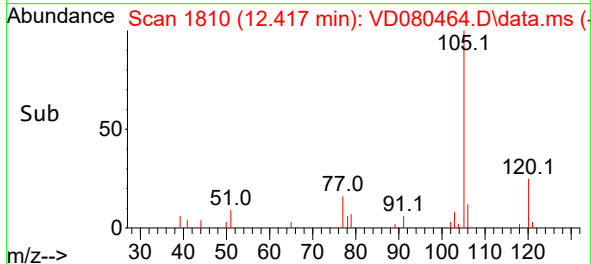
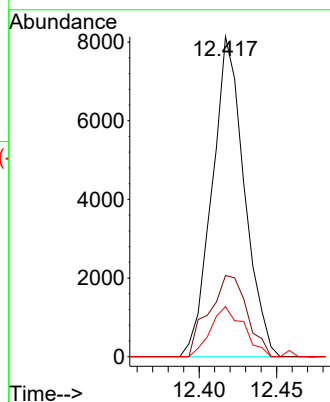
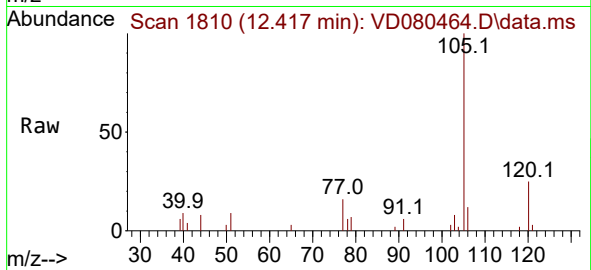
Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 11754 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 30.0  | 22.1  | 33.1  |
| 77       | 16.1  | 12.1  | 18.1  |



#61

1,2,3-Trichloropropane

Concen: 0.85 ug/L

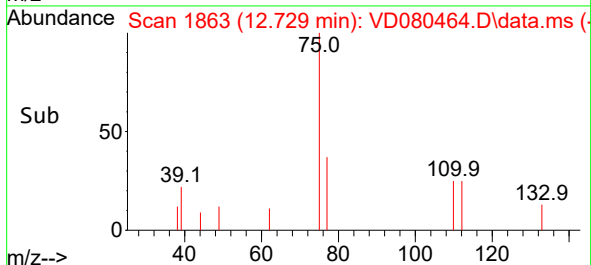
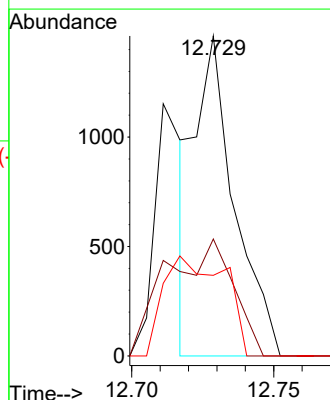
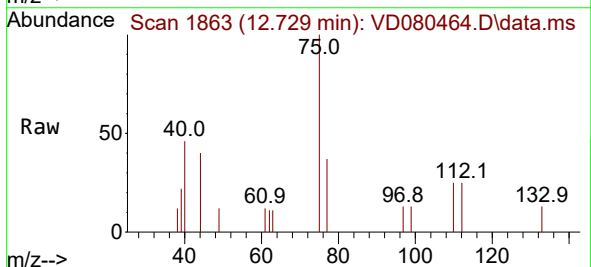
RT: 12.729 min Scan# 1863

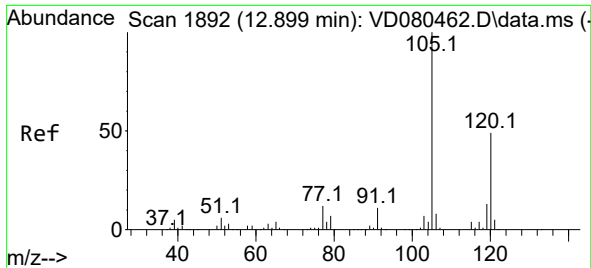
Delta R.T. 0.006 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 1391  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 27.2  | 26.8  | 40.2  |
| 110      | 10.3  | 33.0  | 49.4  |

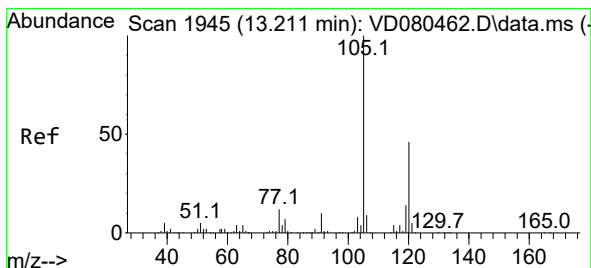
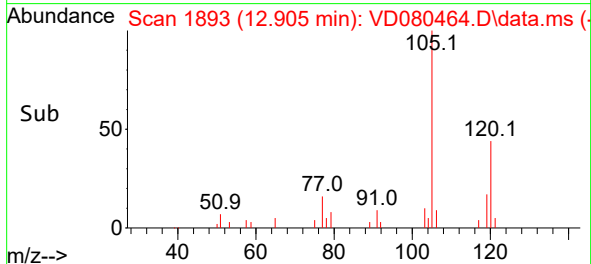
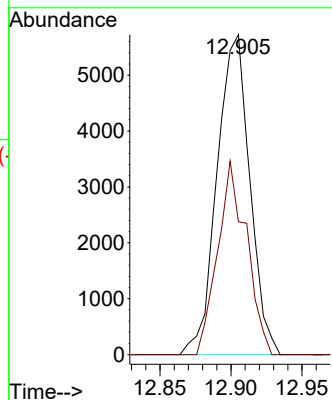
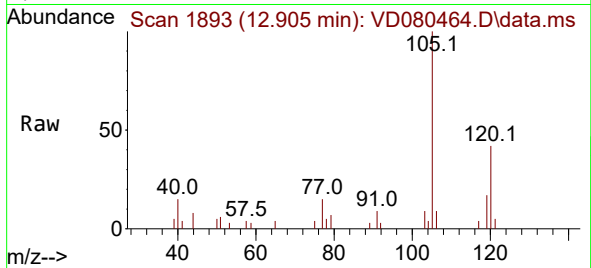




#62  
1,3,5-Trimethylbenzene  
Concen: 1.16 ug/L  
RT: 12.905 min Scan# 1893  
Delta R.T. 0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

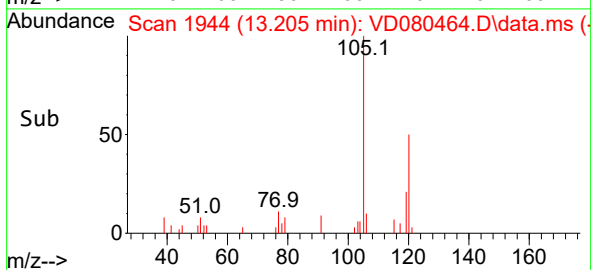
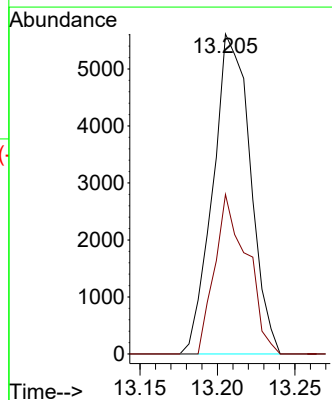
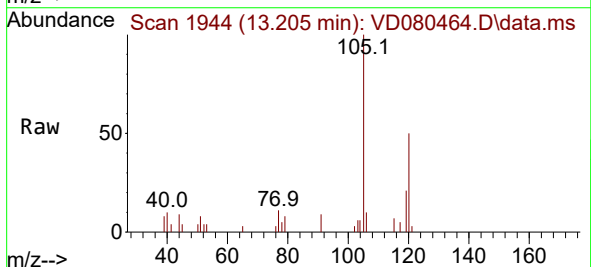
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

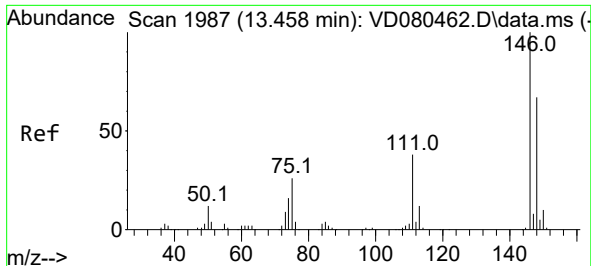
Tgt Ion:105 Resp: 9189  
Ion Ratio Lower Upper  
105 100  
120 53.2 40.1 60.1



#63  
1,2,4-Trimethylbenzene  
Concen: 1.20 ug/L  
RT: 13.205 min Scan# 1944  
Delta R.T. -0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion:105 Resp: 9412  
Ion Ratio Lower Upper  
105 100  
120 43.1 37.5 56.3

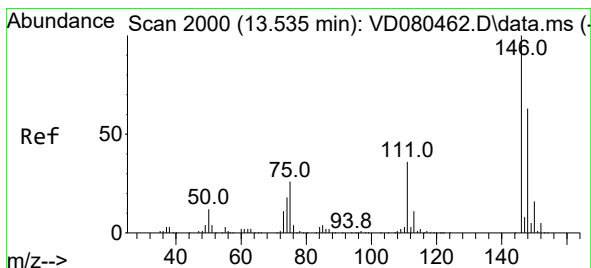
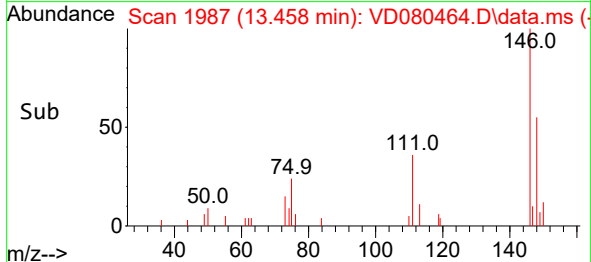
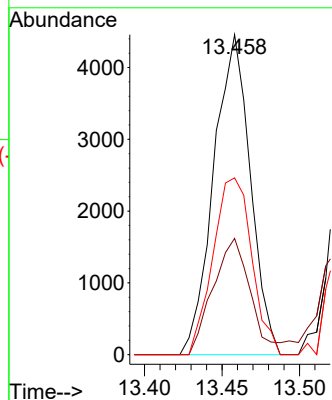
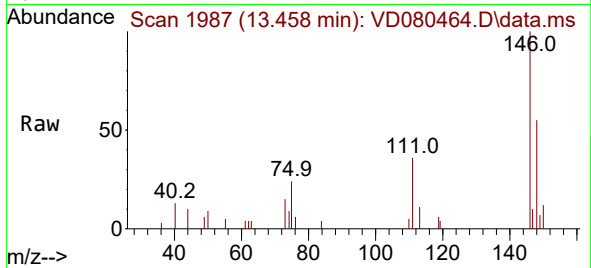




#64  
1,3-Dichlorobenzene  
Concen: 1.36 ug/L  
RT: 13.458 min Scan# 1987  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

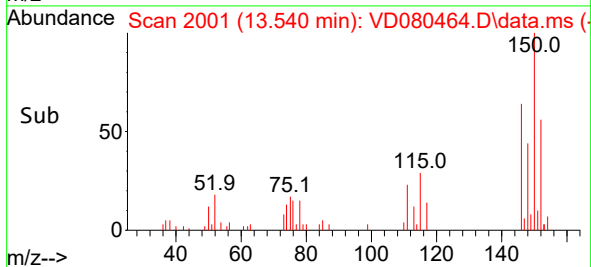
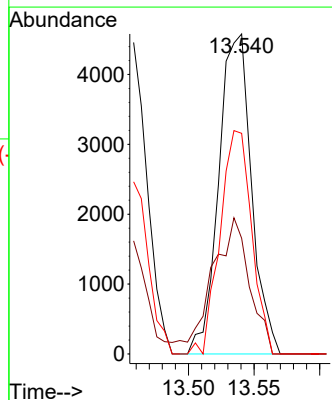
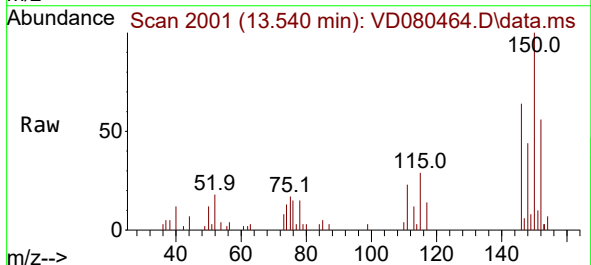
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

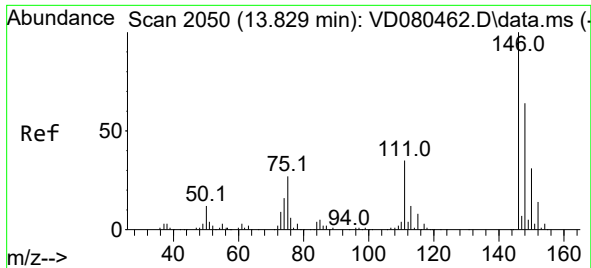
Tgt Ion:146 Resp: 7322  
Ion Ratio Lower Upper  
146 100  
111 36.3 25.4 47.2  
148 55.3 42.8 79.6



#65  
1,4-Dichlorobenzene  
Concen: 1.42 ug/L  
RT: 13.540 min Scan# 2001  
Delta R.T. 0.006 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion:146 Resp: 7949  
Ion Ratio Lower Upper  
146 100  
111 36.1 24.5 45.5  
148 69.0 44.6 82.8

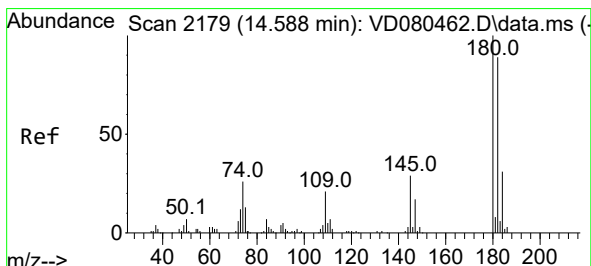
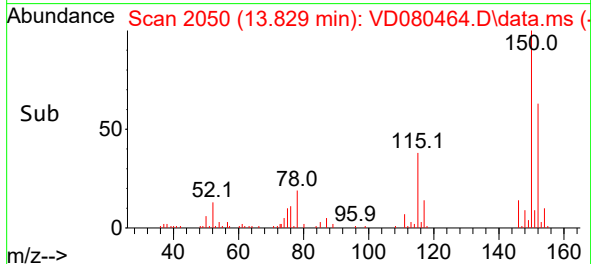
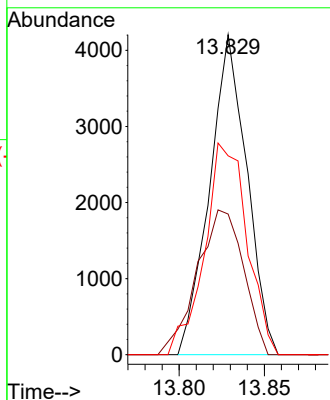
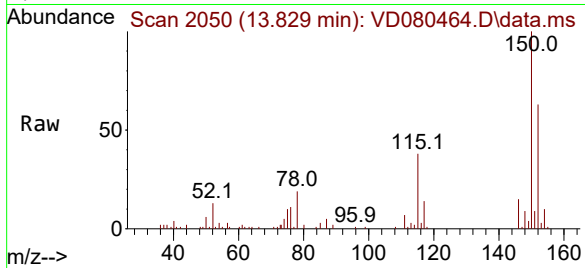




#67  
1,2-Dichlorobenzene  
Concen: 1.31 ug/L  
RT: 13.829 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

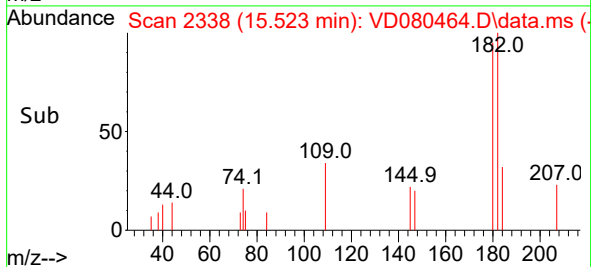
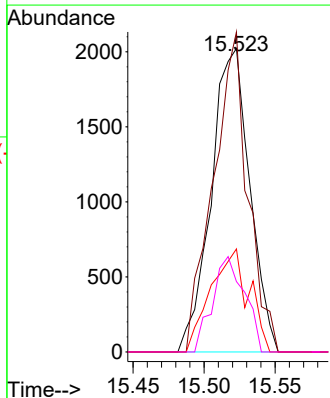
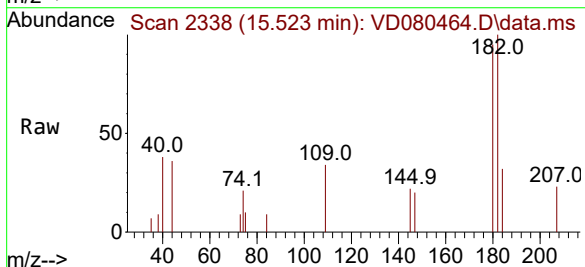
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

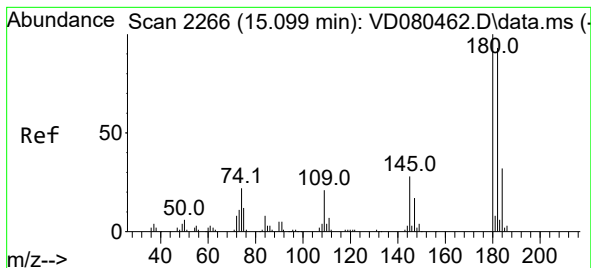
Tgt Ion:146 Resp: 6398  
Ion Ratio Lower Upper  
146 100  
111 44.0 32.0 48.0  
148 62.2 49.7 74.5



#69  
1,3,5-Trichlorobenzene  
Concen: 1.03 ug/L  
RT: 15.523 min Scan# 2338  
Delta R.T. 0.935 min  
Lab File: VD080464.D  
Acq: 20 Jun 2025 12:27

Tgt Ion:180 Resp: 3821  
Ion Ratio Lower Upper  
180 100  
182 94.2 77.0 115.4  
184 33.5 24.9 37.3  
145 26.1 22.3 33.5





#70

1,2,4-trichlorobenzene

Concen: 1.36 ug/L

RT: 15.099 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

Instrument :

MSVOA\_D

ClientSampleId :

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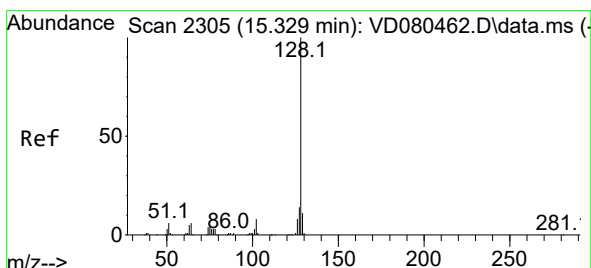
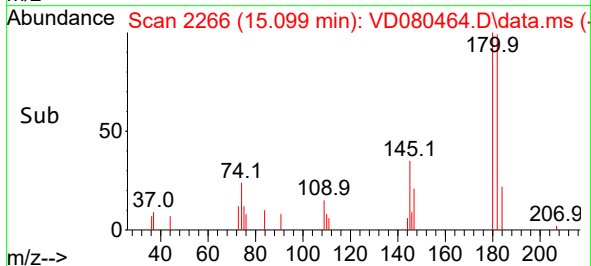
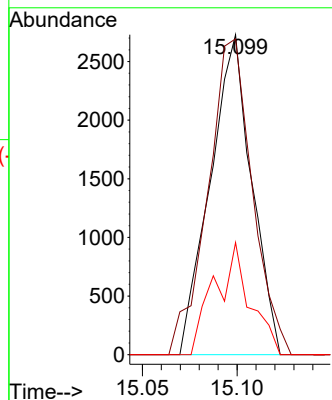
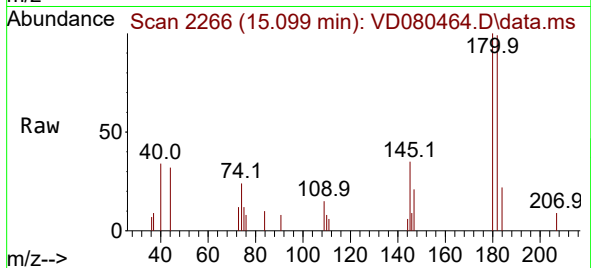
Tgt Ion:180 Resp: 4141

Ion Ratio Lower Upper

180 100

182 106.0 76.0 114.0

145 16.9 22.2 33.4#



#71

Naphthalene

Concen: 1.21 ug/L

RT: 15.329 min Scan# 2305

Delta R.T. -0.000 min

Lab File: VD080464.D

Acq: 20 Jun 2025 12:27

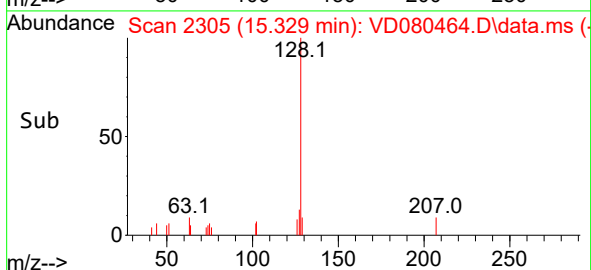
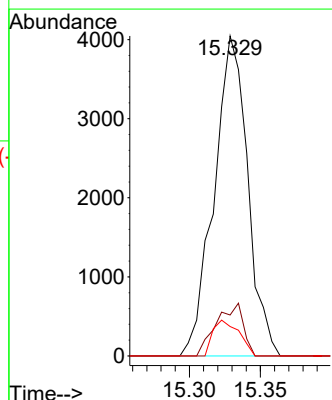
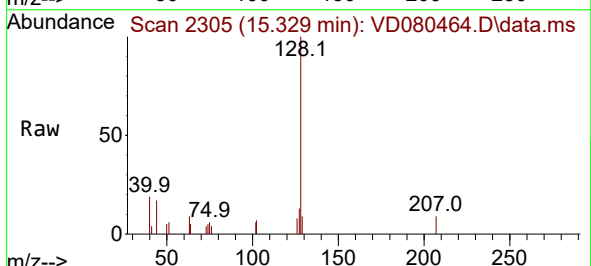
Tgt Ion:128 Resp: 6682

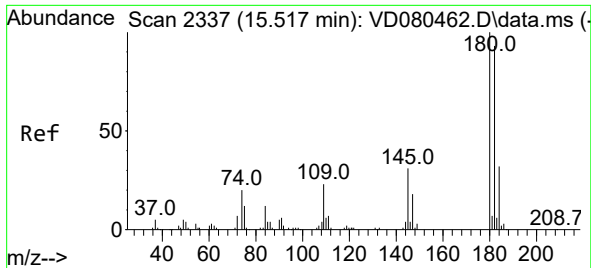
Ion Ratio Lower Upper

128 100

127 13.2 11.0 16.6

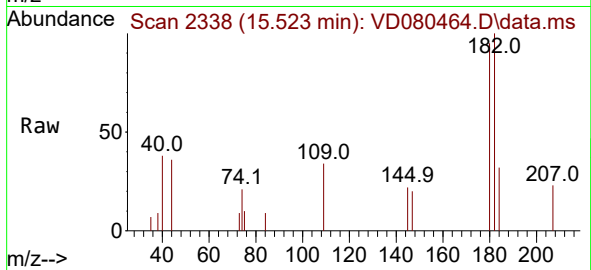
129 8.7 9.0 13.4#





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.34 ug/L  
 RT: 15.523 min Scan# 21  
 Delta R.T. 0.006 min  
 Lab File: VD080464.D  
 Acq: 20 Jun 2025 12:27

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT2-2025-03



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 3821  |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.2  | 74.7  | 112.1 |
| 145      | 26.1  | 24.2  | 36.4  |

