

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061825\  
 Data File : VD080454.D  
 Acq On : 18 Jun 2025 14:05  
 Operator : RP/MD  
 Sample : Q2117-03  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 19 09:21:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061825SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 19 09:10:19 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.776  | 114   | 179737   | 25.00    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.582 | 117   | 177087   | 25.00    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.517 | 152   | 85085    | 25.00    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.276  | 65    | 60230    | 19.77    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 79.08%   |
| 7) Chloroethane-d5            | 2.806  | 69    | 57290    | 22.03    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 88.12%   |
| 11) 1,1-Dichloroethene-d2     | 3.923  | 65    | 21401    | 20.81    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 83.24%   |
| 21) 2-Butanone-d5             | 6.994  | 46    | 20978    | 41.52    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 83.04%   |
| 24) Chloroform-d              | 7.564  | 84    | 101082   | 20.42    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 81.68%   |
| 26) 1,2-Dichloroethane-d4     | 8.229  | 65    | 57638    | 22.78    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 91.12%   |
| 32) Benzene-d6                | 8.200  | 84    | 209261   | 21.49    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 85.96%   |
| 36) 1,2-Dichloropropane-d6    | 9.205  | 67    | 70400    | 22.03    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 88.12%   |
| 41) Toluene-d8                | 10.270 | 98    | 197316   | 21.68    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 86.72%   |
| 43) trans-1,3-Dichloroprop... | 10.523 | 79    | 30137    | 22.64    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 90.56%   |
| 47) 2-Hexanone-d5             | 10.876 | 63    | 20363    | 41.97    | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 83.94%   |
| 56) 1,1,2,2-Tetrachloroeth... | 12.646 | 84    | 63358    | 21.93    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 87.72%   |
| 66) 1,2-Dichlorobenzene-d4    | 13.811 | 152   | 74059    | 24.00    | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 96.00%   |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.935  | 85    | 3087     | 1.09     | ug/L   | 100      |
| 3) Chloromethane              | 2.147  | 50    | 3687     | 1.38     | ug/L   | 87       |
| 5) Vinyl chloride             | 2.288  | 62    | 4220     | 1.30     | ug/L # | 48       |
| 6) Bromomethane               | 2.694  | 94    | 2598     | 1.28     | ug/L   | 89       |
| 8) Chloroethane               | 2.835  | 64    | 3248m    | 1.45     | ug/L   |          |
| 9) Trichlorofluoromethane     | 3.182  | 101   | 4968     | 1.11     | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 3.964  | 101   | 3189m    | 1.15     | ug/L   |          |
| 12) 1,1-Dichloroethene        | 3.941  | 96    | 3385m    | 1.50     | ug/L   |          |
| 13) Acetone                   | 4.017  | 43    | 803      | 1.86     | ug/L # | 39       |
| 14) Carbon disulfide          | 4.264  | 76    | 8338     | 1.09     | ug/L # | 93       |
| 15) Methyl Acetate            | 4.564  | 43    | 1110m    | 1.07     | ug/L   |          |
| 16) Methylene chloride        | 4.806  | 84    | 13959    | 5.01     | ug/L   | 81       |
| 17) trans-1,2-Dichloroethene  | 5.323  | 96    | 2801m    | 1.19     | ug/L   |          |
| 18) Methyl tert-butyl Ether   | 5.300  | 73    | 4724m    | 0.99     | ug/L   |          |
| 19) 1,1-Dichloroethane        | 6.106  | 63    | 5419     | 1.22     | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.076  | 96    | 2735     | 1.06     | ug/L   | 84       |
| 22) 2-Butanone                | 7.076  | 43    | 1737m    | 2.78     | ug/L   |          |
| 23) Bromochloromethane        | 7.429  | 128   | 1801     | 1.30     | ug/L # | 62       |
| 25) Chloroform                | 7.594  | 83    | 19782    | 3.88     | ug/L   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD061825\  
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 Operator : RP/MD  
 Sample : Q2117-03  
 Misc : 5.00G/10ml/MSVOA\_D/SOIL/A  
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jun 19 09:21:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\SFAMDLM061825SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 19 09:10:19 2025  
 Response via : Initial Calibration

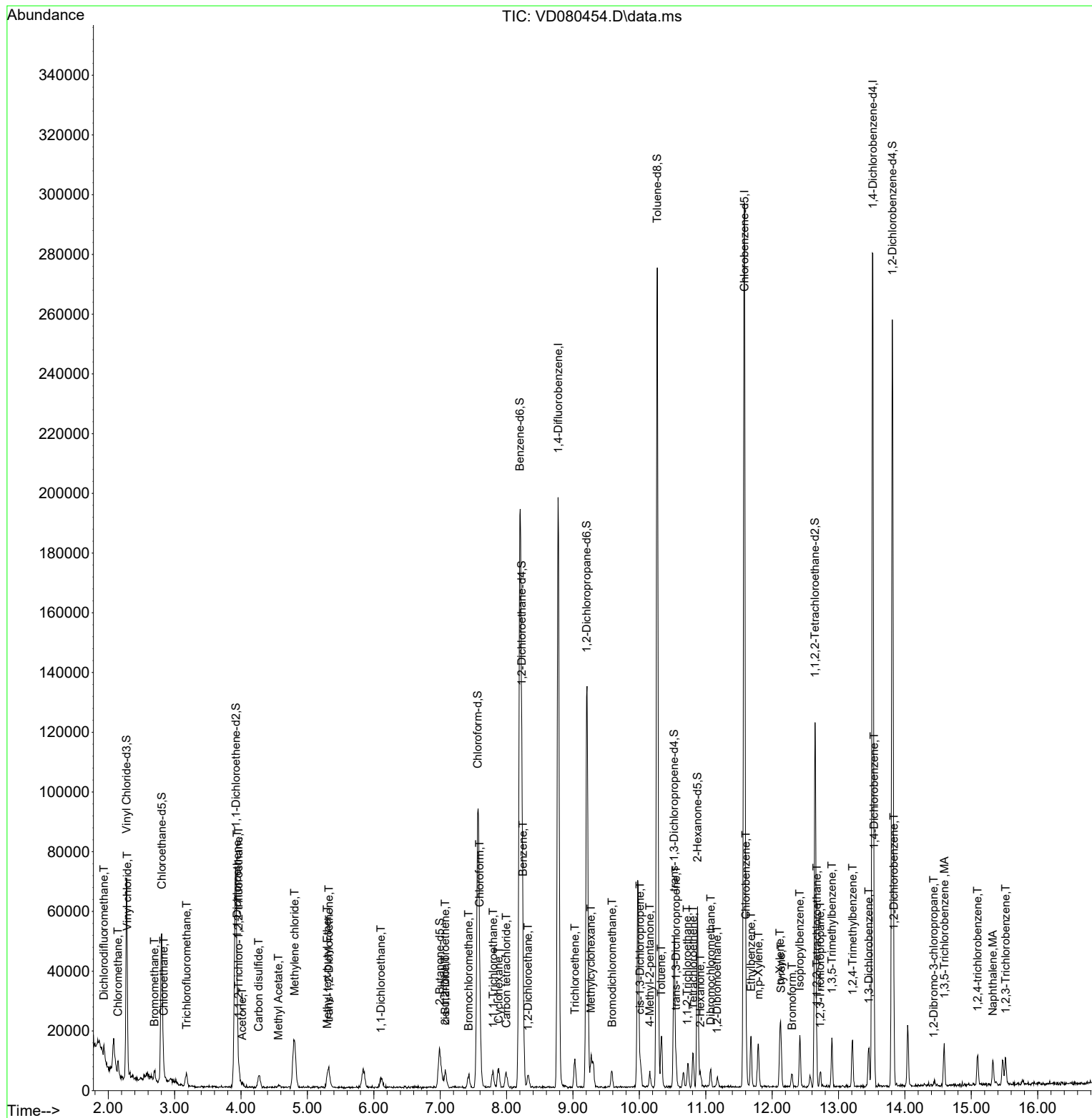
| Compound                      | R.T.   | QIon | Response | Conc | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.323  | 62   | 3858     | 1.35 | ug/L # | 69       |
| 29) Cyclohexane               | 7.882  | 56   | 3118     | 0.85 | ug/L # | 69       |
| 30) 1,1,1-Trichloroethane     | 7.800  | 97   | 4860m    | 1.16 | ug/L   |          |
| 31) Carbon tetrachloride      | 7.994  | 117  | 4191m    | 1.05 | ug/L   |          |
| 33) Benzene                   | 8.247  | 78   | 11278    | 1.16 | ug/L   | 100      |
| 34) Trichloroethene           | 9.029  | 95   | 3623     | 1.29 | ug/L # | 84       |
| 35) Methylcyclohexane         | 9.270  | 83   | 3463     | 0.84 | ug/L   | 96       |
| 38) Bromodichloromethane      | 9.588  | 83   | 4072     | 1.14 | ug/L # | 89       |
| 39) cis-1,3-Dichloropropene   | 10.011 | 75   | 4785     | 1.18 | ug/L   | 90       |
| 40) 4-Methyl-2-pentanone      | 10.158 | 43   | 3324     | 2.39 | ug/L   | 99       |
| 42) Toluene                   | 10.329 | 91   | 12962    | 1.21 | ug/L   | 80       |
| 44) trans-1,3-Dichloropropene | 10.552 | 75   | 5418     | 1.58 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.723 | 97   | 2787     | 1.27 | ug/L   | 90       |
| 46) Tetrachloroethene         | 10.811 | 164  | 2795     | 1.12 | ug/L   | 82       |
| 48) 2-Hexanone                | 10.917 | 43   | 2251     | 2.22 | ug/L # | 89       |
| 49) Dibromochloromethane      | 11.076 | 129  | 3413     | 1.27 | ug/L   | 89       |
| 50) 1,2-Dibromoethane         | 11.170 | 107  | 2644     | 1.25 | ug/L # | 67       |
| 51) Chlorobenzene             | 11.605 | 112  | 8589     | 1.16 | ug/L   | 92       |
| 52) Ethylbenzene              | 11.682 | 91   | 11732    | 1.01 | ug/L   | 99       |
| 53) m,p-Xylene                | 11.793 | 106  | 4595     | 1.01 | ug/L   | 85       |
| 54) o-Xylene                  | 12.117 | 106  | 3858     | 0.90 | ug/L   | 100      |
| 55) Styrene                   | 12.135 | 104  | 7662     | 1.01 | ug/L   | 82       |
| 57) 1,1,2,2-Tetrachloroethane | 12.676 | 83   | 3949     | 1.47 | ug/L # | 85       |
| 59) Bromoform                 | 12.299 | 173  | 2244     | 1.34 | ug/L # | 81       |
| 60) Isopropylbenzene          | 12.417 | 105  | 10918    | 1.08 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 12.723 | 75   | 2273     | 1.42 | ug/L   | 88       |
| 62) 1,3,5-Trimethylbenzene    | 12.899 | 105  | 8719     | 1.12 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.211 | 105  | 8489     | 1.11 | ug/L   | 95       |
| 64) 1,3-Dichlorobenzene       | 13.458 | 146  | 6729     | 1.28 | ug/L   | 94       |
| 65) 1,4-Dichlorobenzene       | 13.535 | 146  | 6940     | 1.26 | ug/L # | 77       |
| 67) 1,2-Dichlorobenzene       | 13.835 | 146  | 6790     | 1.43 | ug/L # | 85       |
| 68) 1,2-Dibromo-3-chloropr... | 14.435 | 75   | 582m     | 1.56 | ug/L   |          |
| 69) 1,3,5-Trichlorobenzene    | 14.593 | 180  | 4550     | 1.25 | ug/L   | 91       |
| 70) 1,2,4-trichlorobenzene    | 15.093 | 180  | 4099     | 1.37 | ug/L   | 99       |
| 71) Naphthalene               | 15.323 | 128  | 7486     | 1.38 | ug/L # | 92       |
| 72) 1,2,3-Trichlorobenzene    | 15.517 | 180  | 3679     | 1.32 | ug/L   | 99       |

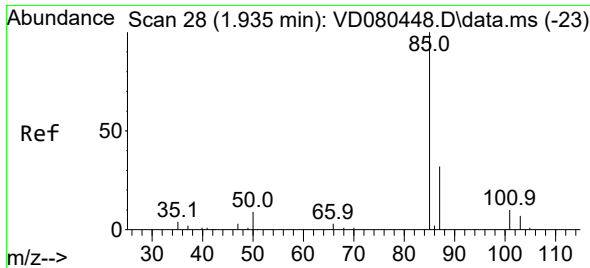
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 Sample : Q2117-03  
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Quant Time: Jun 19 09:21:10 2025  
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 Quant Title : SFAM01.0  
 QLast Update : Thu Jun 19 09:10:19 2025  
 Response via : Initial Calibration

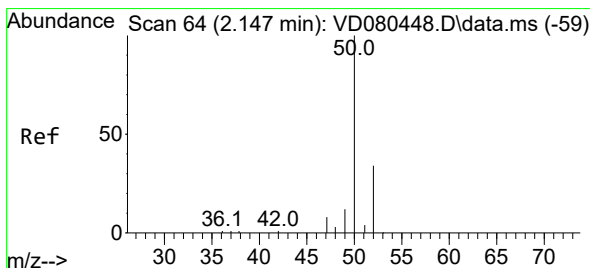
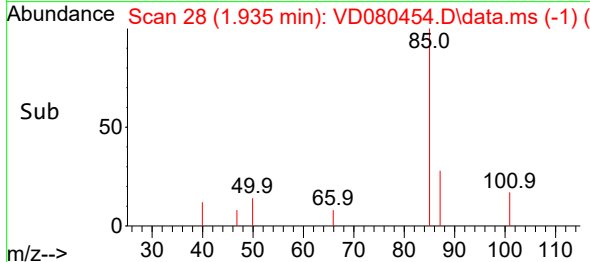
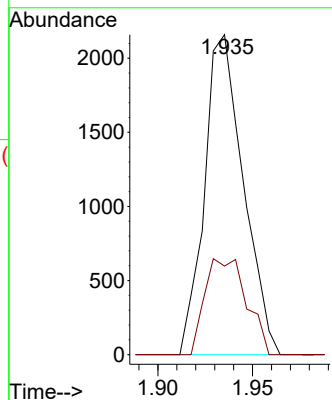
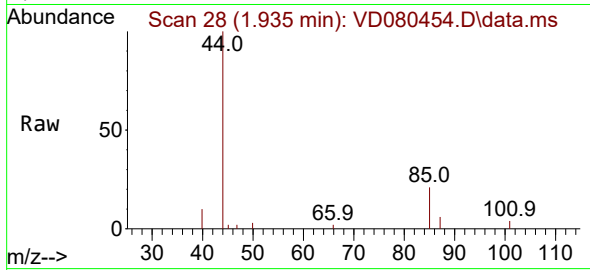




#2  
 Dichlorodifluoromethane  
 Concen: 1.09 ug/L  
 RT: 1.935 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD080454.D  
 Acq: 18 Jun 2025 14:05

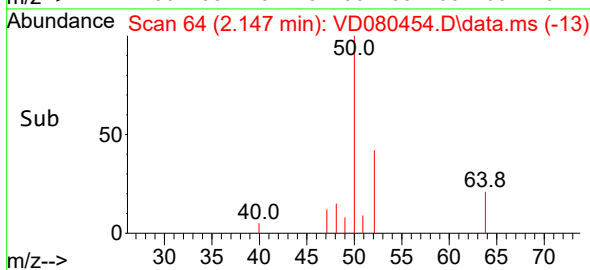
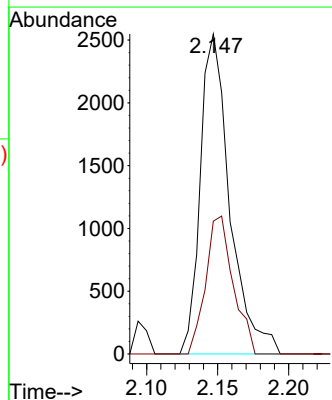
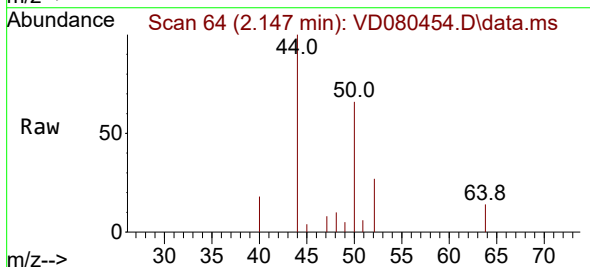
Instrument :  
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 ClientSampleId :  
 MDL-SOIL-QT2-2025-03

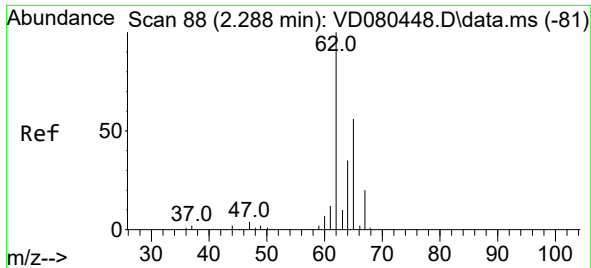
Tgt Ion: 85 Resp: 3087  
 Ion Ratio Lower Upper  
 85 100  
 87 32.1 25.9 38.9



#3  
 Chloromethane  
 Concen: 1.38 ug/L  
 RT: 2.147 min Scan# 64  
 Delta R.T. -0.000 min  
 Lab File: VD080454.D  
 Acq: 18 Jun 2025 14:05

Tgt Ion: 50 Resp: 3687  
 Ion Ratio Lower Upper  
 50 100  
 52 41.5 23.8 44.2

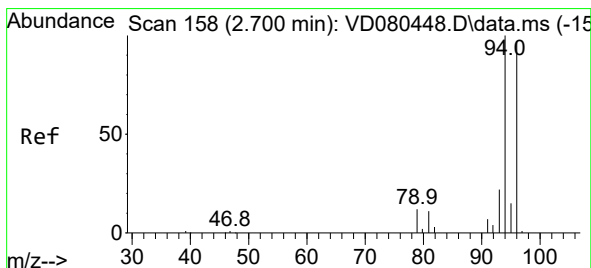
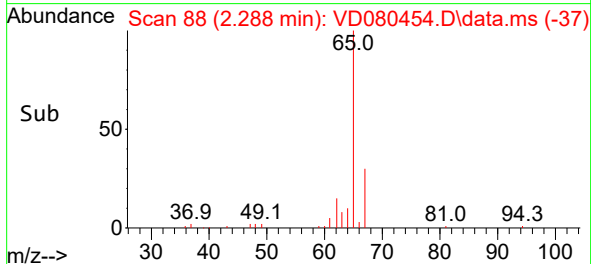
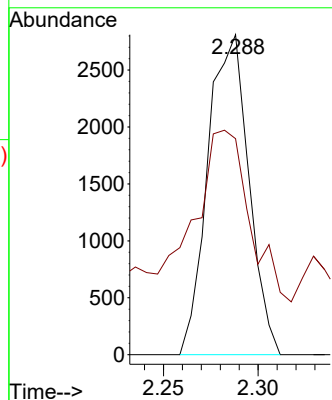
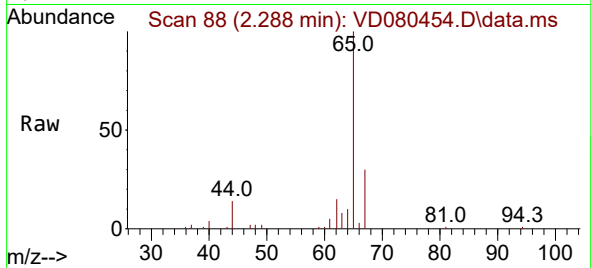




#5  
 Vinyl chloride  
 Concen: 1.30 ug/L  
 RT: 2.288 min Scan# 81  
 Delta R.T. 0.000 min  
 Lab File: VD080454.D  
 Acq: 18 Jun 2025 14:05

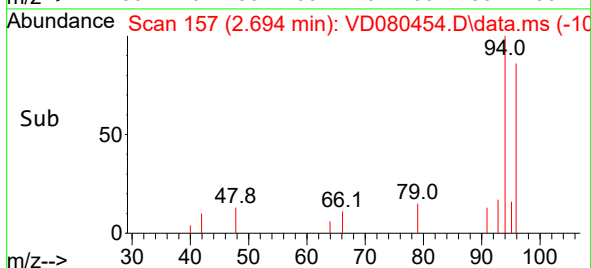
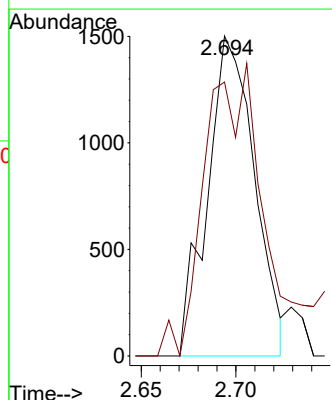
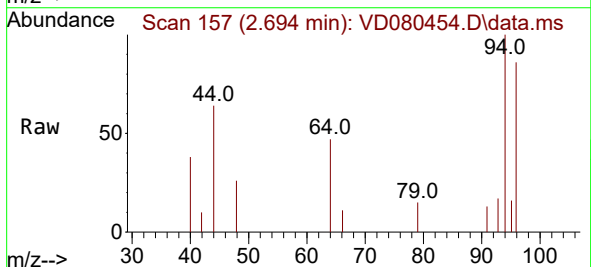
Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 MDL-SOIL-QT2-2025-03

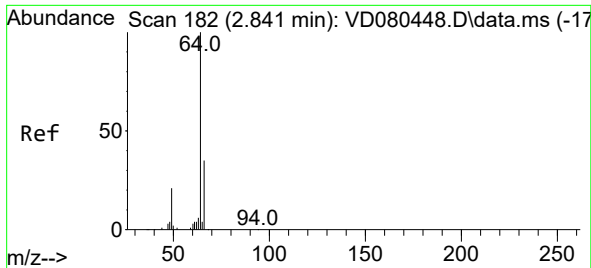
Tgt Ion: 62 Resp: 4220  
 Ion Ratio Lower Upper  
 62 100  
 64 67.5 25.6 47.6#



#6  
 Bromomethane  
 Concen: 1.28 ug/L  
 RT: 2.694 min Scan# 157  
 Delta R.T. -0.006 min  
 Lab File: VD080454.D  
 Acq: 18 Jun 2025 14:05

Tgt Ion: 94 Resp: 2598  
 Ion Ratio Lower Upper  
 94 100  
 96 85.6 67.6 125.6

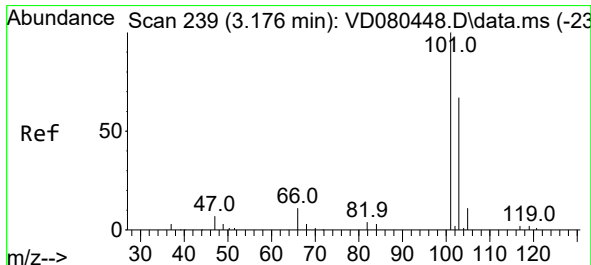
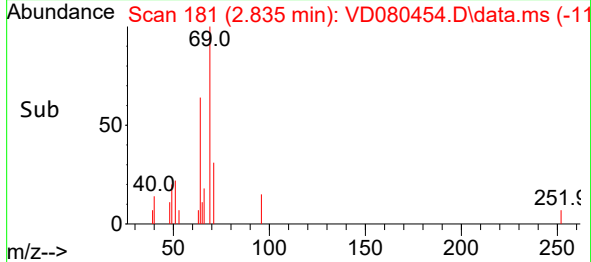
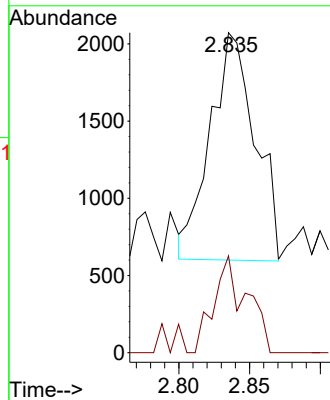
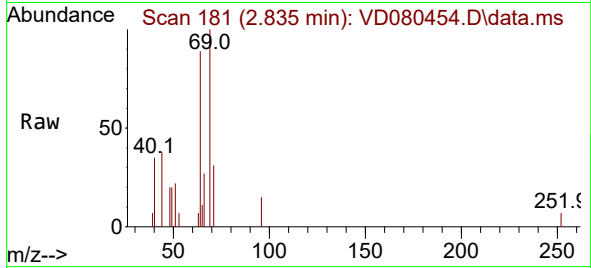




#8  
Chloroethane  
Concen: 1.45 ug/L m  
RT: 2.835 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

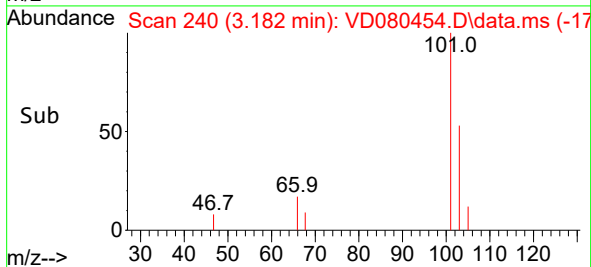
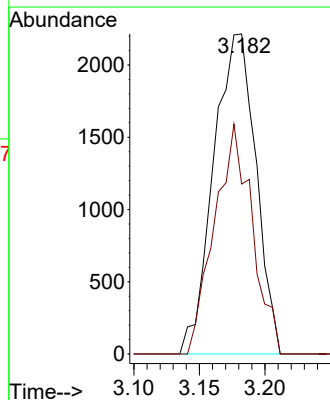
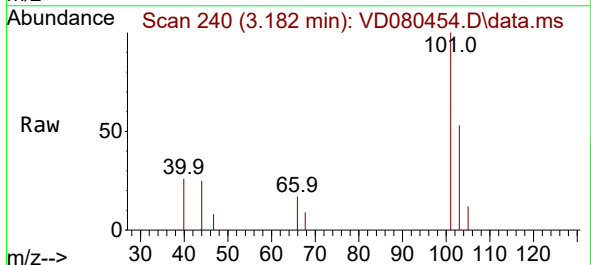
Instrument :  
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ClientSampleId :  
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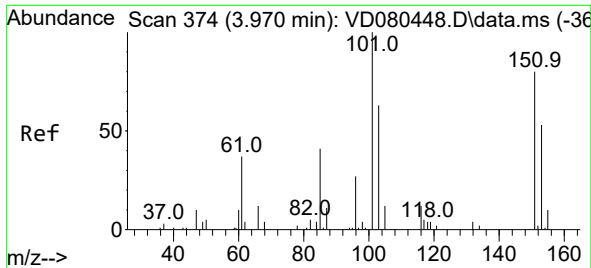
Tgt Ion: 64 Resp: 3248  
Ion Ratio Lower Upper  
64 100  
66 30.2 23.9 44.3



#9  
Trichlorofluoromethane  
Concen: 1.11 ug/L  
RT: 3.182 min Scan# 240  
Delta R.T. 0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion:101 Resp: 4968  
Ion Ratio Lower Upper  
101 100  
103 63.9 51.0 76.4

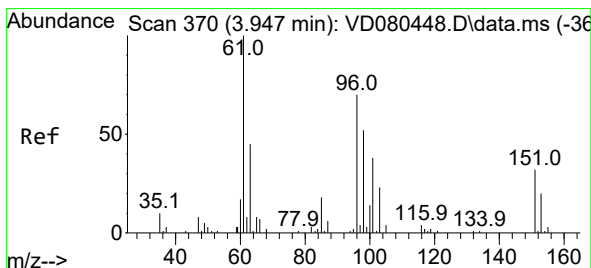
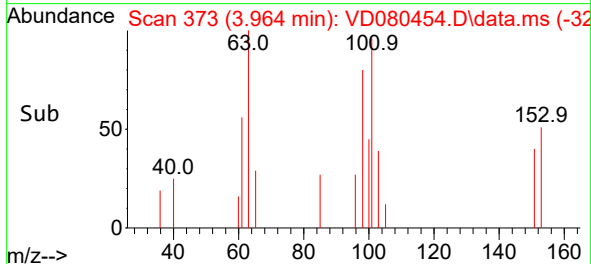
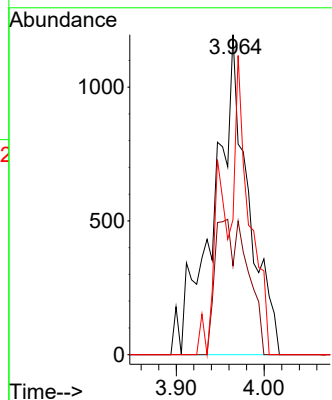
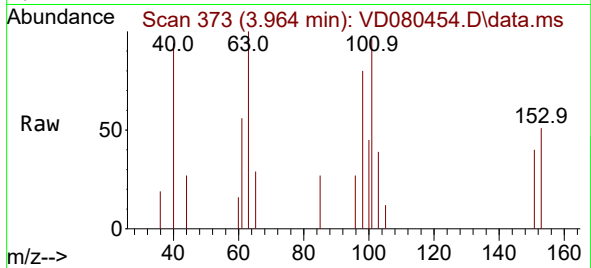




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 1.15 ug/L m  
 RT: 3.964 min Scan# 31  
 Delta R.T. -0.006 min  
 Lab File: VD080454.D  
 Acq: 18 Jun 2025 14:05

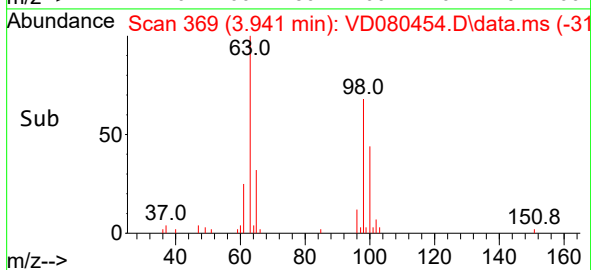
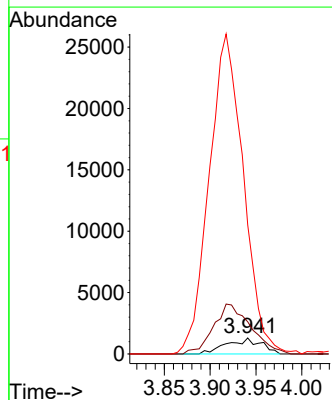
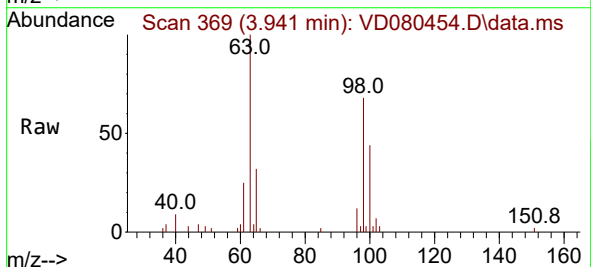
Instrument :  
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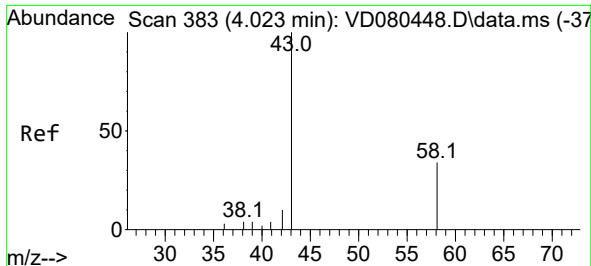
Tgt Ion:101 Resp: 3189  
 Ion Ratio Lower Upper  
 101 100  
 85 18.0 32.0 48.0#  
 151 43.4 63.7 95.5#



#12  
 1,1-Dichloroethene  
 Concen: 1.50 ug/L m  
 RT: 3.941 min Scan# 369  
 Delta R.T. -0.006 min  
 Lab File: VD080454.D  
 Acq: 18 Jun 2025 14:05

Tgt Ion: 96 Resp: 3385  
 Ion Ratio Lower Upper  
 96 100  
 61 201.5 103.0 191.4#  
 63 810.8 66.4 123.2#





#13

Acetone

Concen: 1.86 ug/L

RT: 4.017 min Scan# 382

Delta R.T. -0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA\_D

ClientSampleId :

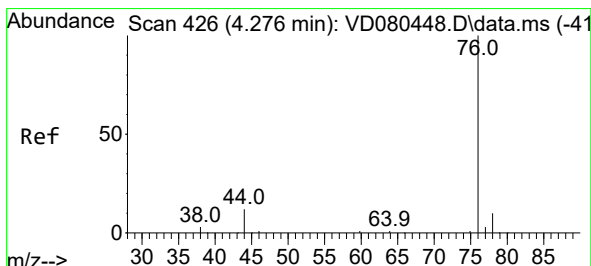
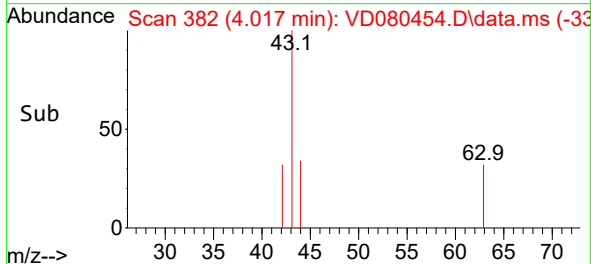
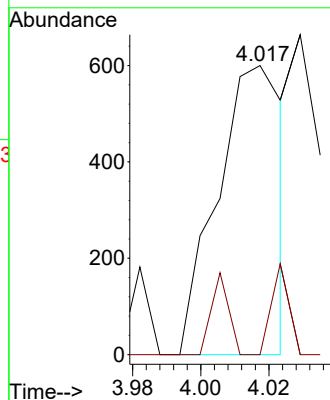
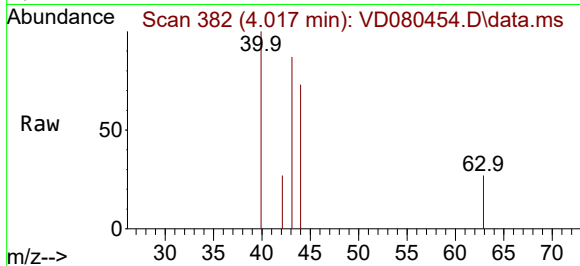
MDL-SOIL-QT2-2025-03

Tgt Ion: 43 Resp: 803

Ion Ratio Lower Upper

43 100

58 0.0 0.0 71.0



#14

Carbon disulfide

Concen: 1.09 ug/L

RT: 4.264 min Scan# 424

Delta R.T. -0.012 min

Lab File: VD080454.D

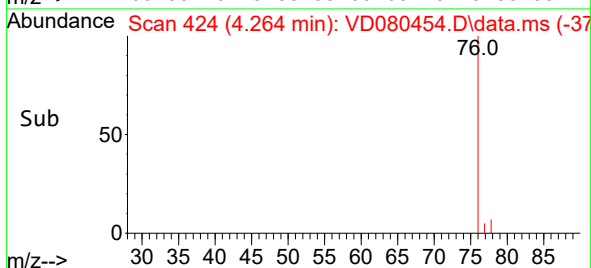
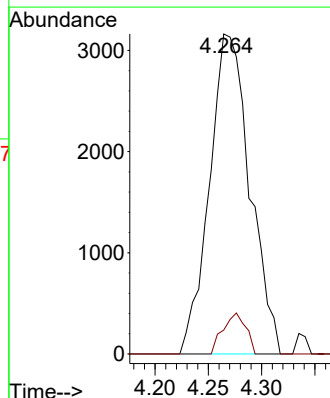
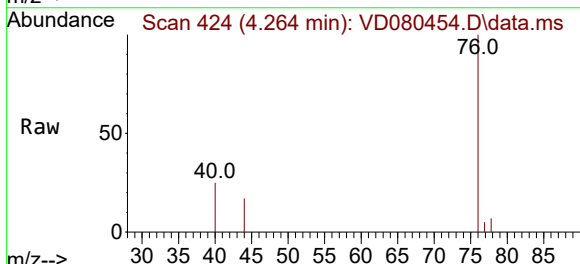
Acq: 18 Jun 2025 14:05

Tgt Ion: 76 Resp: 8338

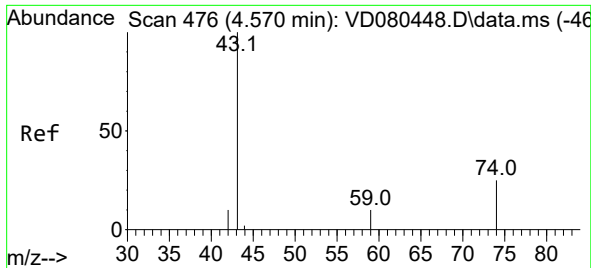
Ion Ratio Lower Upper

76 100

78 7.4 7.9 11.9#







#15

Methyl Acetate

Concen: 1.07 ug/L m

RT: 4.564 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA\_D

ClientSampleId :

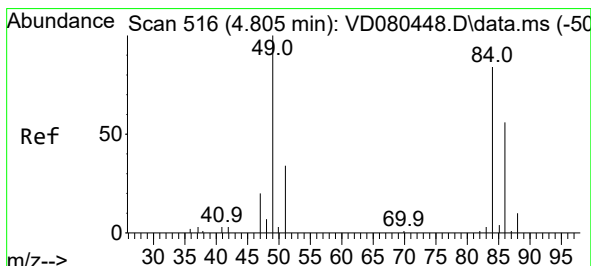
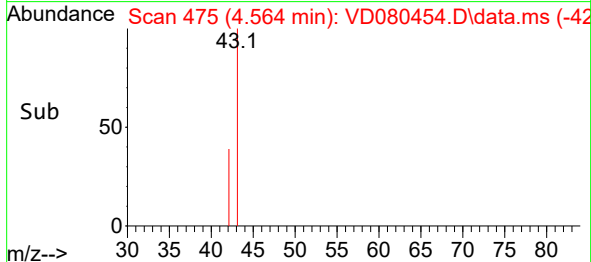
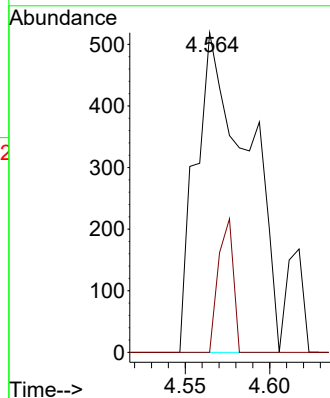
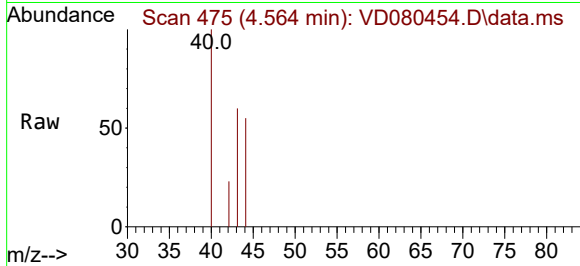
MDL-SOIL-QT2-2025-03

Tgt Ion: 43 Resp: 1110

Ion Ratio Lower Upper

43 100

74 12.1 20.3 30.5#



#16

Methylene chloride

Concen: 5.01 ug/L

RT: 4.806 min Scan# 516

Delta R.T. 0.001 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

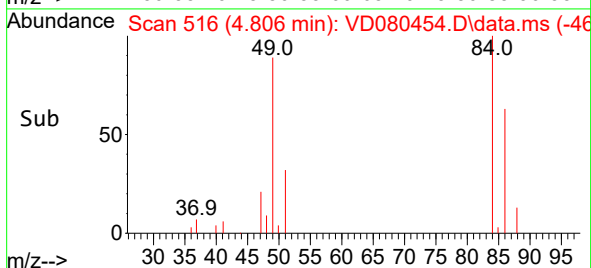
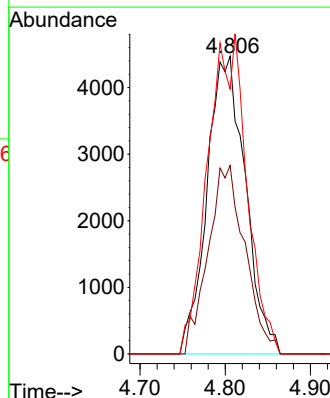
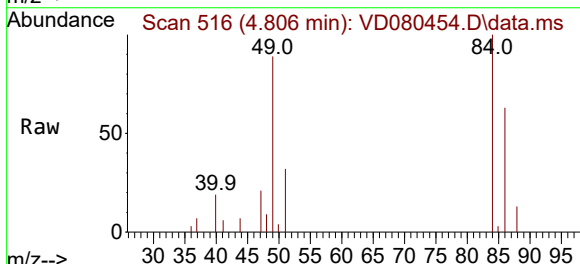
Tgt Ion: 84 Resp: 13959

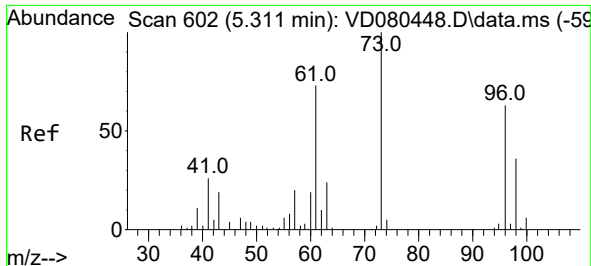
Ion Ratio Lower Upper

84 100

86 63.3 46.7 86.7

49 89.0 83.0 154.1

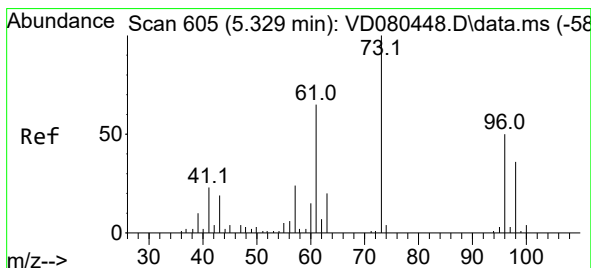
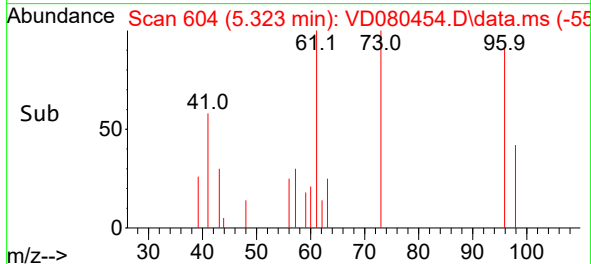
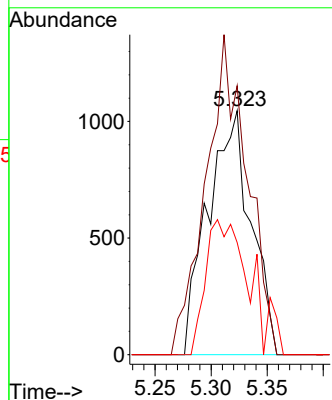
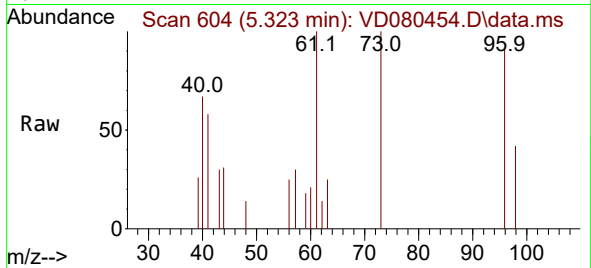




#17  
trans-1,2-Dichloroethene  
Concen: 1.19 ug/L m  
RT: 5.323 min Scan# 602  
Delta R.T. 0.012 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

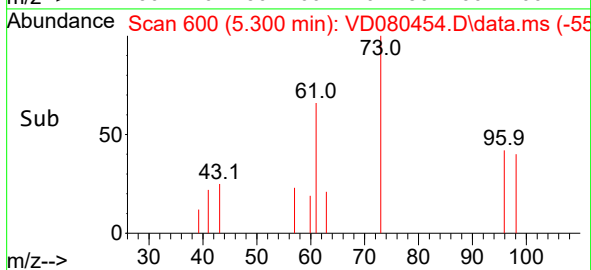
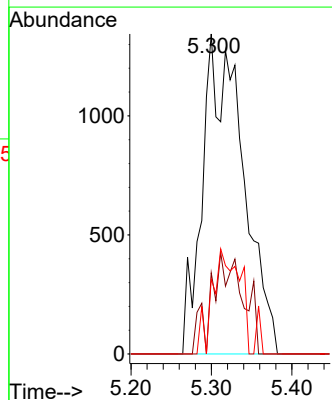
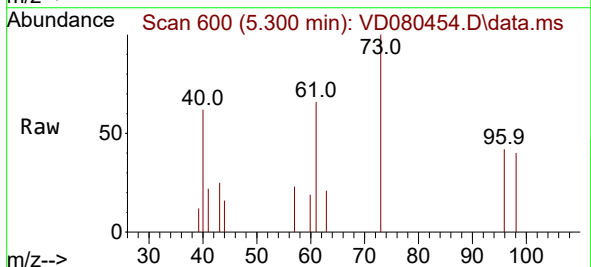
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

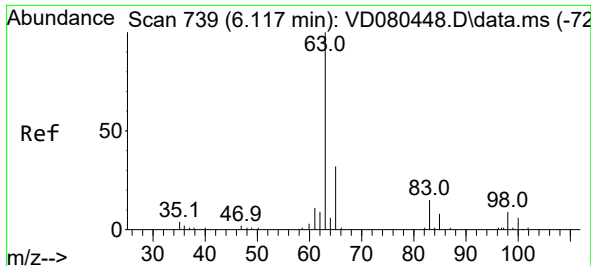
Tgt Ion: 96 Resp: 2801  
Ion Ratio Lower Upper  
96 100  
61 110.2 82.0 152.2  
98 46.0 40.3 74.8



#18  
Methyl tert-butyl Ether  
Concen: 0.99 ug/L m  
RT: 5.300 min Scan# 600  
Delta R.T. -0.029 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion: 73 Resp: 4724  
Ion Ratio Lower Upper  
73 100  
43 9.5 15.8 23.8#  
57 12.9 17.6 26.4#





#19

1,1-Dichloroethane

Concen: 1.22 ug/L

RT: 6.106 min Scan# 71

Delta R.T. -0.011 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

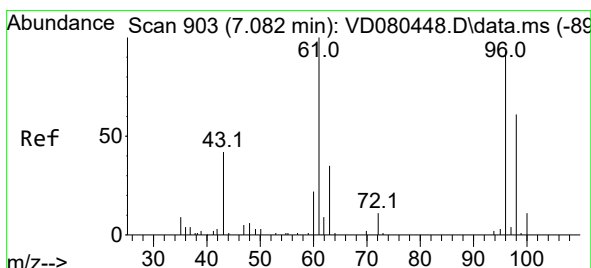
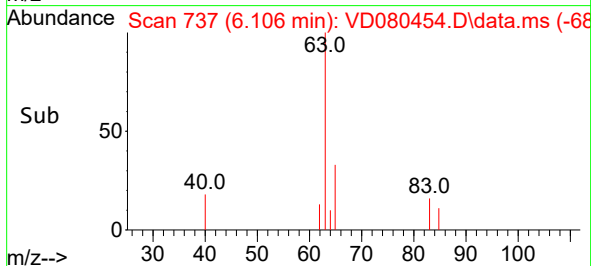
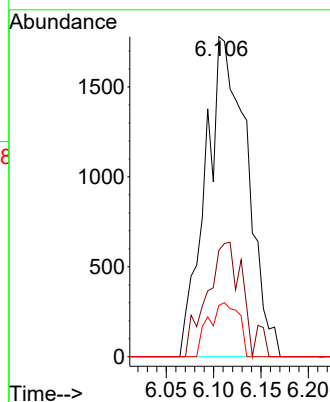
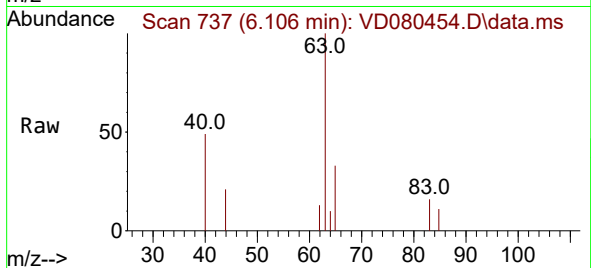
Tgt Ion: 63 Resp: 5419

Ion Ratio Lower Upper

63 100

65 33.3 22.0 41.0

83 16.1 10.8 20.0



#20

cis-1,2-Dichloroethene

Concen: 1.06 ug/L

RT: 7.076 min Scan# 902

Delta R.T. -0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

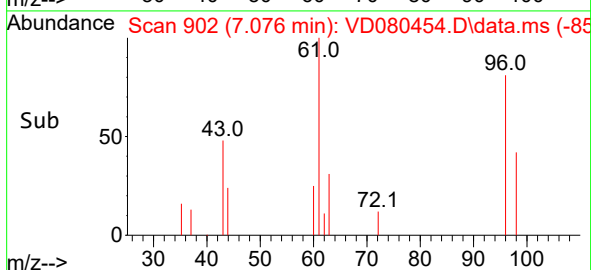
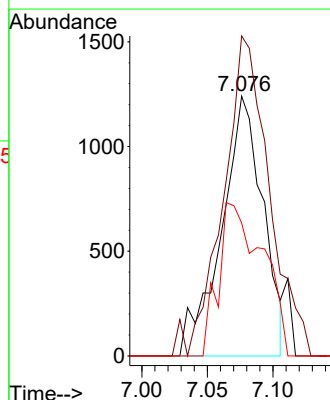
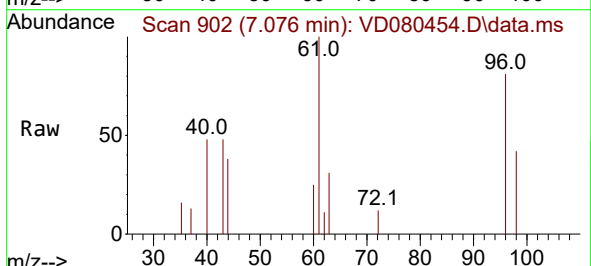
Tgt Ion: 96 Resp: 2735

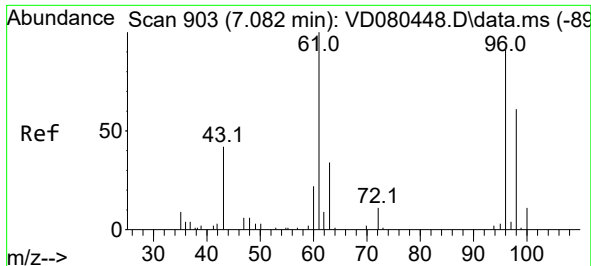
Ion Ratio Lower Upper

96 100

61 123.1 75.8 140.8

98 51.2 45.9 85.3

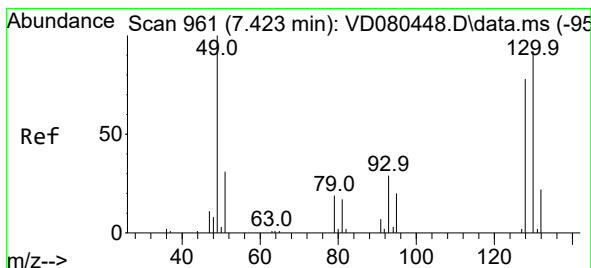
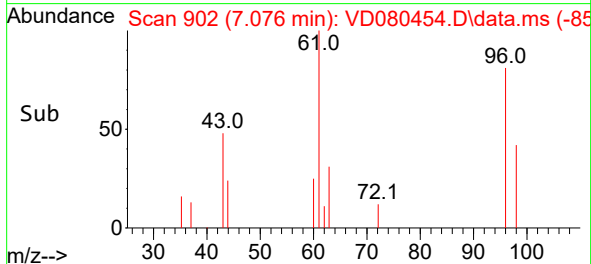
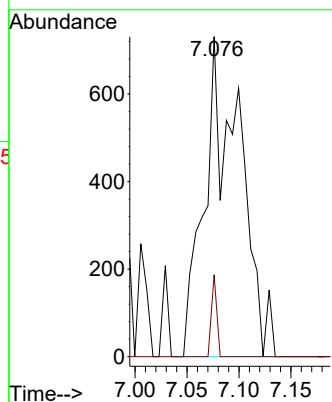
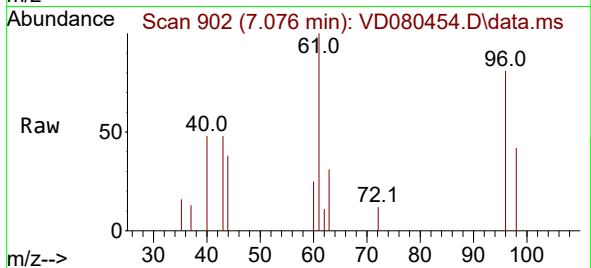




#22  
2-Butanone  
Concen: 2.78 ug/L m  
RT: 7.076 min Scan# 903  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

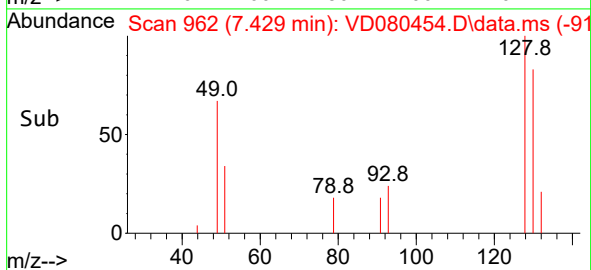
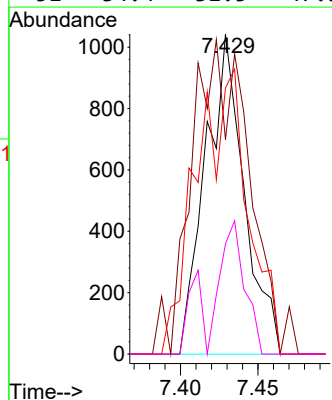
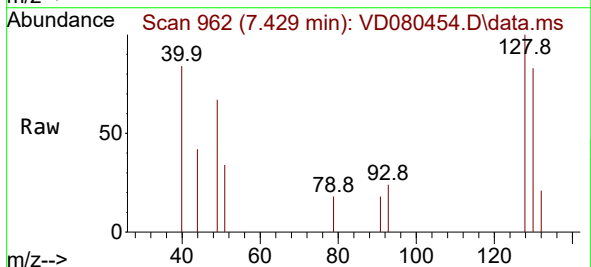
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

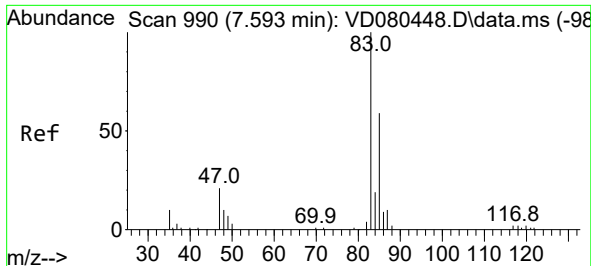
Tgt Ion: 43 Resp: 1737  
Ion Ratio Lower Upper  
43 100  
72 0.0 14.9 44.5#



#23  
Bromochloromethane  
Concen: 1.30 ug/L  
RT: 7.429 min Scan# 962  
Delta R.T. 0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion:128 Resp: 1801  
Ion Ratio Lower Upper  
128 100  
49 67.0 89.5 166.3#  
130 83.1 82.5 153.1  
51 34.4 31.5 47.3

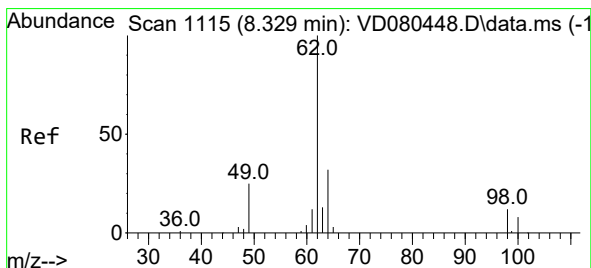
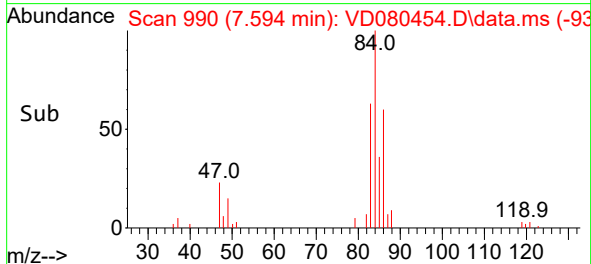
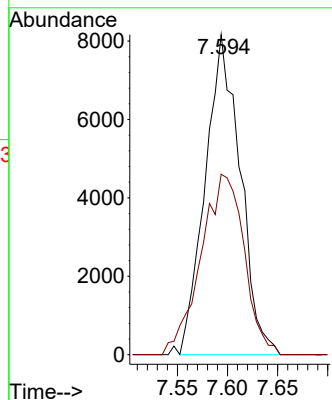
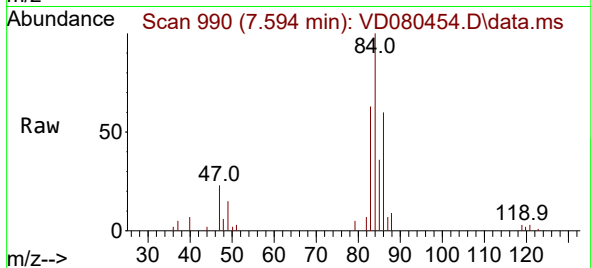




#25  
Chloroform  
Concen: 3.88 ug/L  
RT: 7.594 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

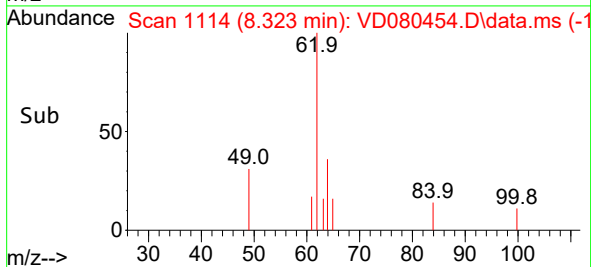
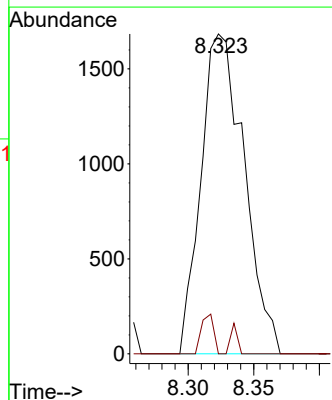
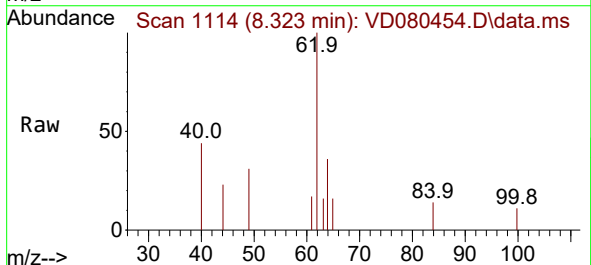
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

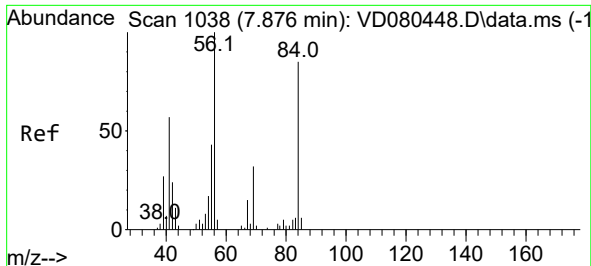
Tgt Ion: 83 Resp: 19782  
Ion Ratio Lower Upper  
83 100  
85 56.4 42.0 78.0



#27  
1,2-Dichloroethane  
Concen: 1.35 ug/L  
RT: 8.323 min Scan# 1114  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion: 62 Resp: 3858  
Ion Ratio Lower Upper  
62 100  
98 0.0 9.4 14.2#





#29

Cyclohexane

Concen: 0.85 ug/L

RT: 7.882 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

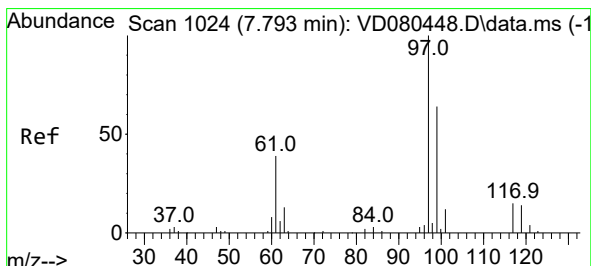
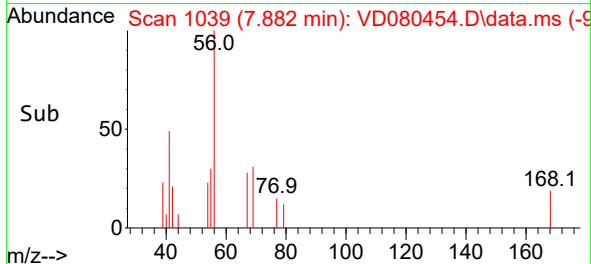
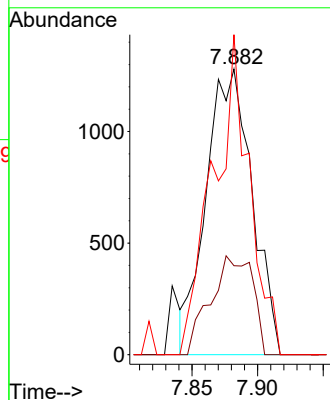
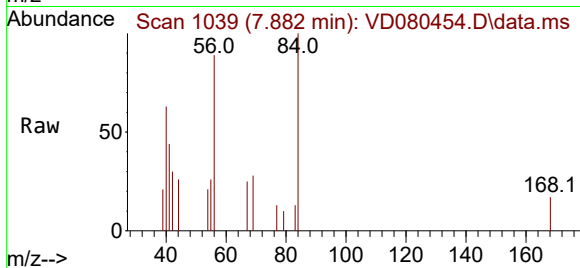
Tgt Ion: 56 Resp: 3118

Ion Ratio Lower Upper

56 100

69 24.1 25.7 38.5#

84 56.4 73.4 110.0#



#30

1,1,1-Trichloroethane

Concen: 1.16 ug/L m

RT: 7.800 min Scan# 1025

Delta R.T. 0.007 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

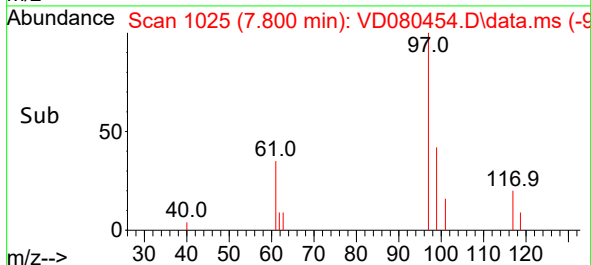
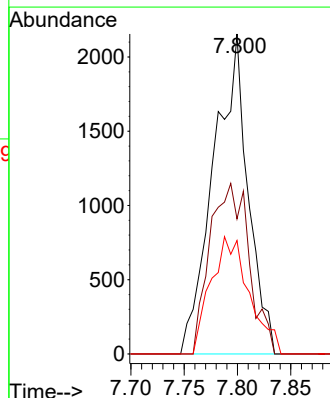
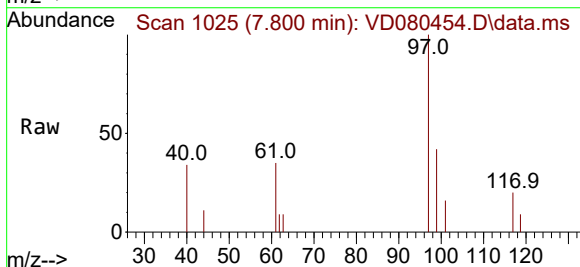
Tgt Ion: 97 Resp: 4860

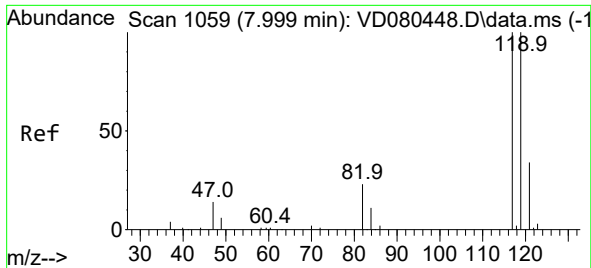
Ion Ratio Lower Upper

97 100

99 42.5 51.1 76.7#

61 40.6 32.4 48.6

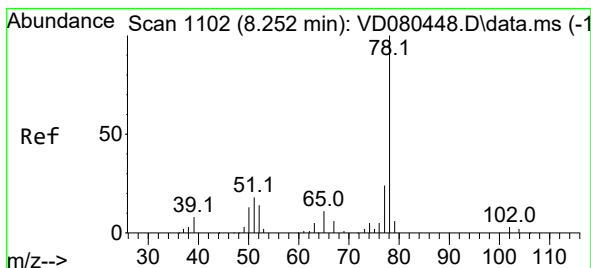
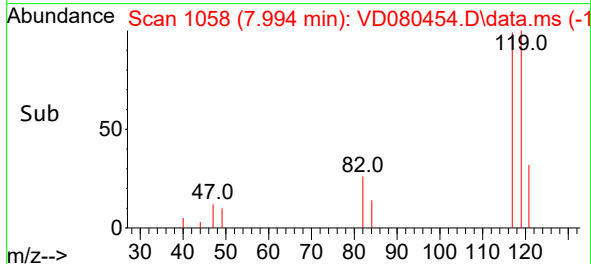
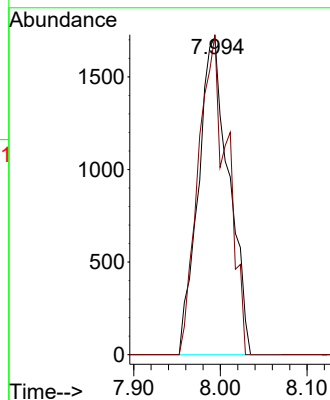
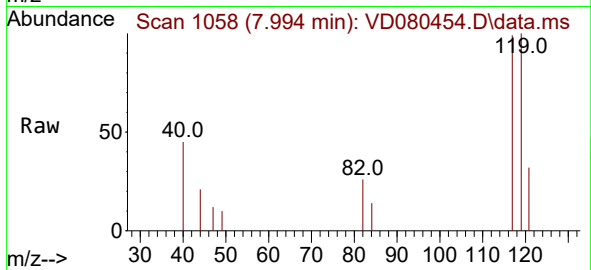




#31  
Carbon tetrachloride  
Concen: 1.05 ug/L m  
RT: 7.994 min Scan# 110  
Delta R.T. -0.005 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

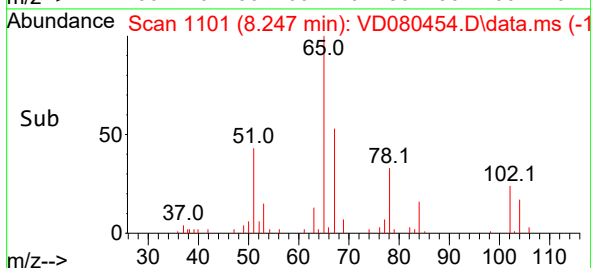
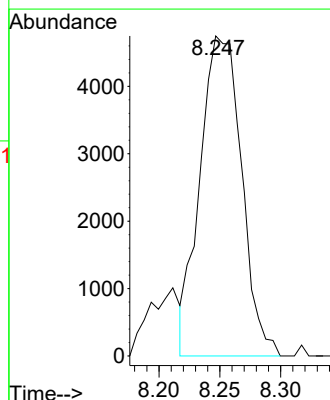
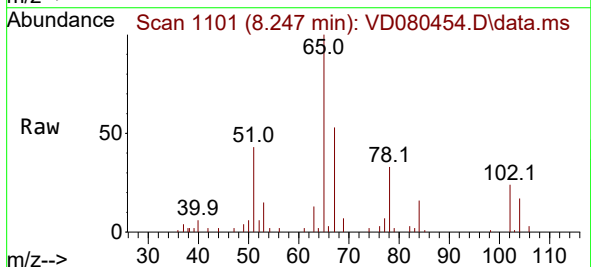
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

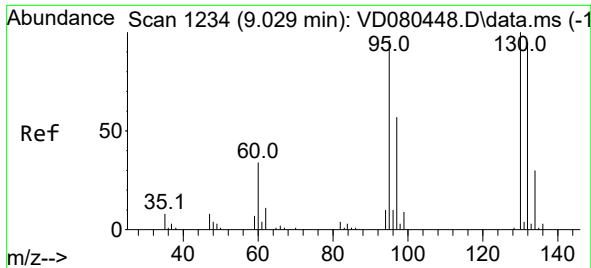
Tgt Ion:117 Resp: 4191  
Ion Ratio Lower Upper  
117 100  
119 1.5 77.2 115.8#



#33  
Benzene  
Concen: 1.16 ug/L  
RT: 8.247 min Scan# 1101  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion: 78 Resp: 11278

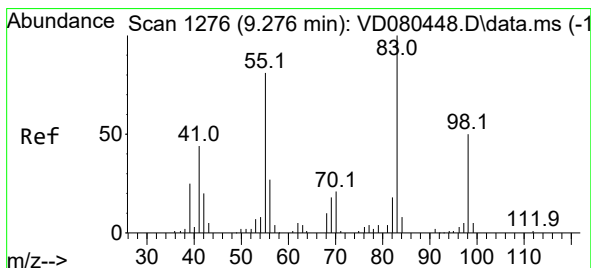
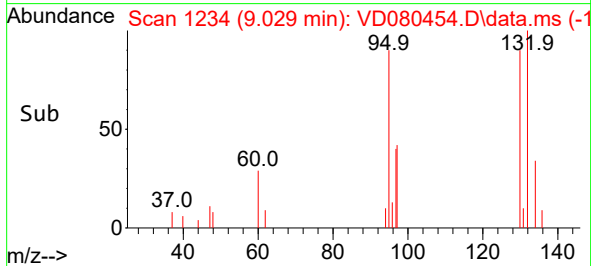
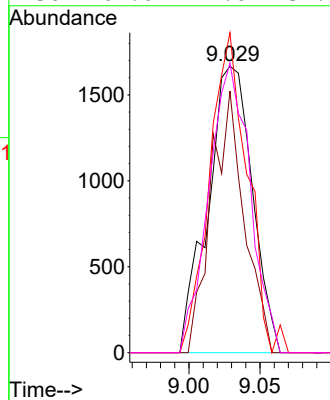
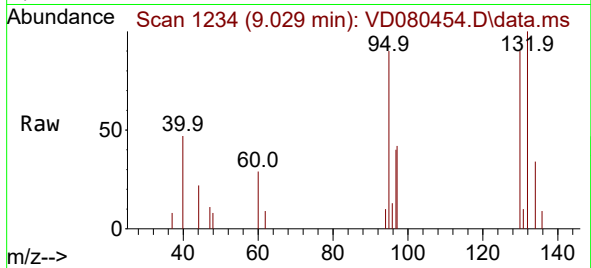




#34  
Trichloroethene  
Concen: 1.29 ug/L  
RT: 9.029 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

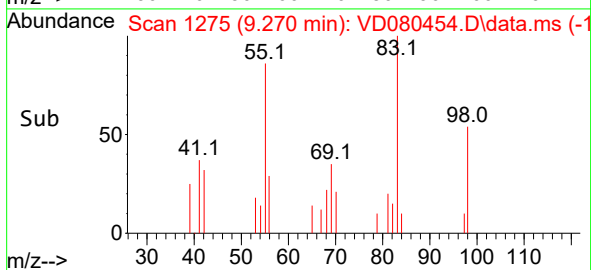
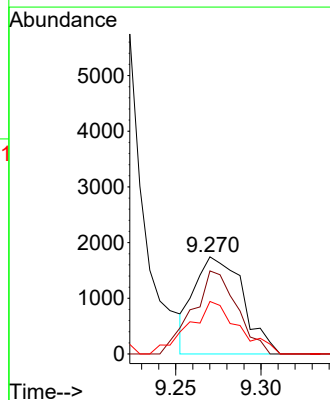
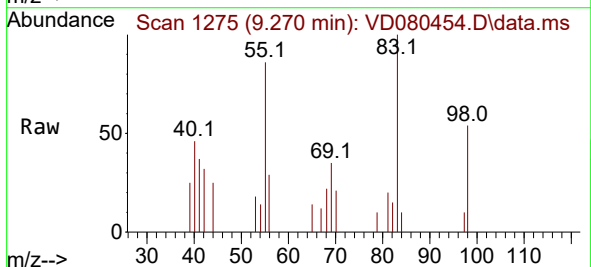
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

Tgt Ion: 95 Resp: 3623  
Ion Ratio Lower Upper  
95 100  
97 91.3 41.5 77.1#  
132 111.7 69.1 128.3  
130 101.0 72.6 134.8

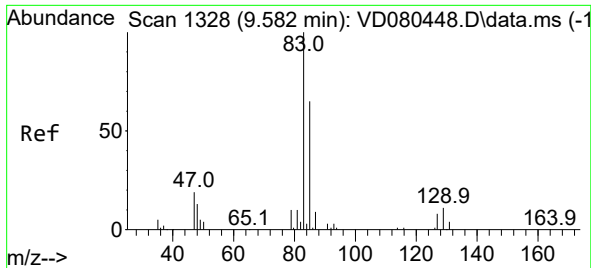


#35  
Methylcyclohexane  
Concen: 0.84 ug/L  
RT: 9.270 min Scan# 1275  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion: 83 Resp: 3463  
Ion Ratio Lower Upper  
83 100  
55 77.7 59.7 89.5  
98 50.5 38.2 57.2



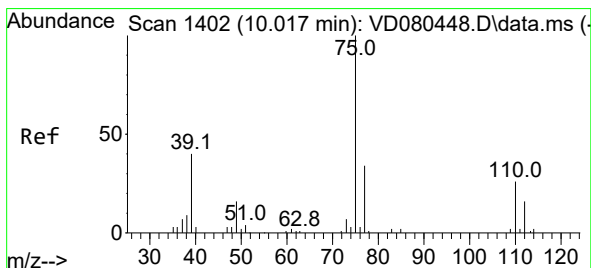
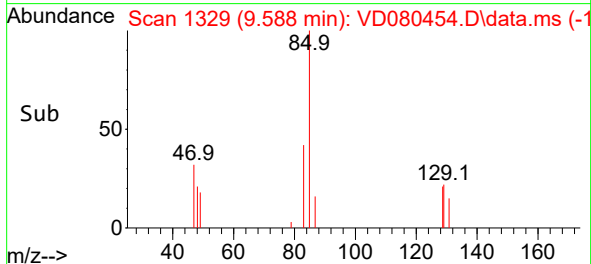
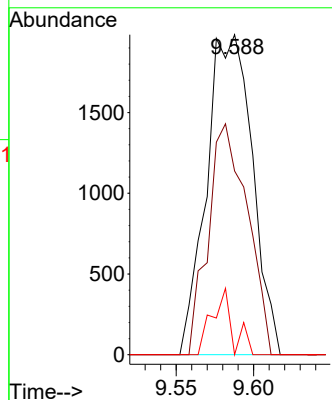
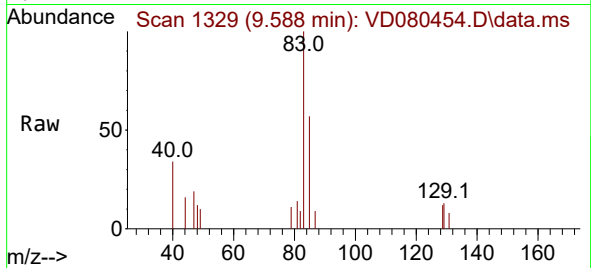




#38  
Bromodichloromethane  
Concen: 1.14 ug/L  
RT: 9.588 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

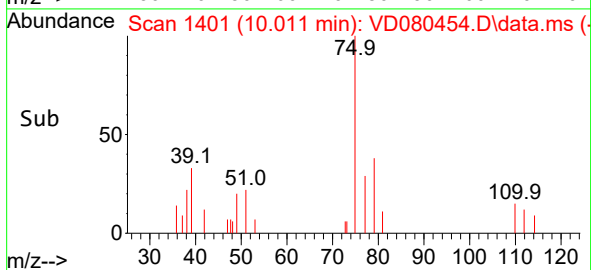
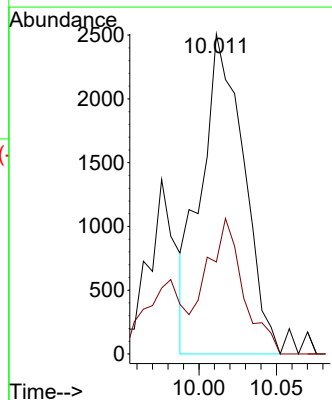
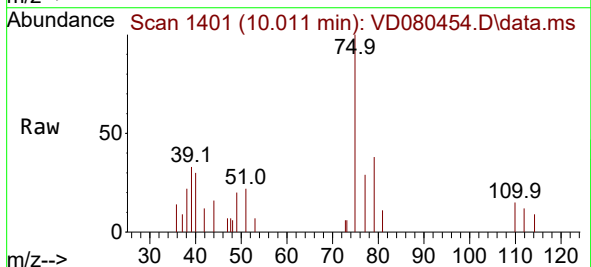
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

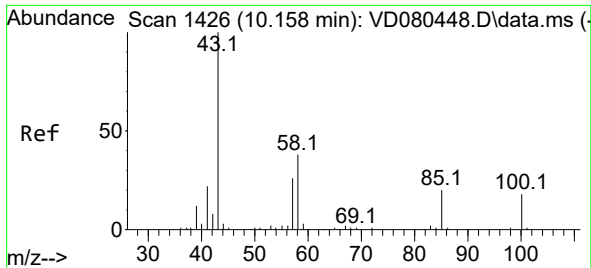
| Tgt Ion | 83  | 85   | 127 |
|---------|-----|------|-----|
| Ratio   | 100 | 57.4 | 0.0 |
| Lower   |     | 45.2 | 6.2 |
| Upper   |     | 84.0 | 9.4 |



#39  
cis-1,3-Dichloropropene  
Concen: 1.18 ug/L  
RT: 10.011 min Scan# 1401  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

| Tgt Ion | 75  | 77   |
|---------|-----|------|
| Ratio   | 100 | 28.7 |
| Lower   |     | 24.1 |
| Upper   |     | 44.7 |

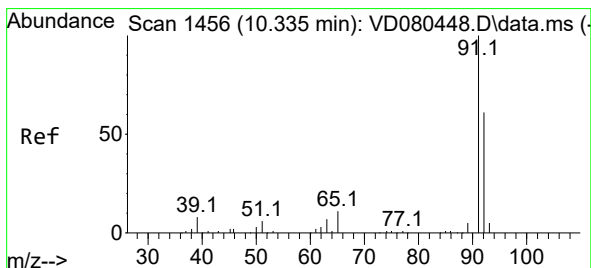
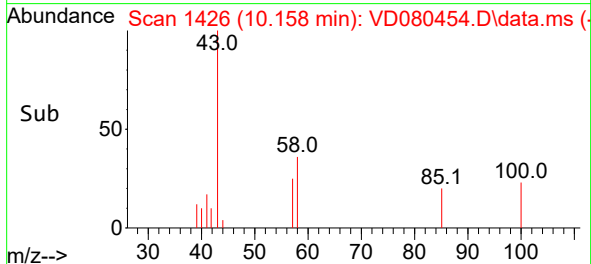
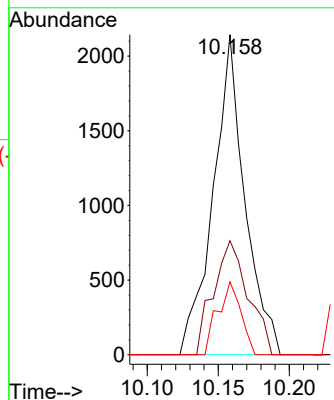
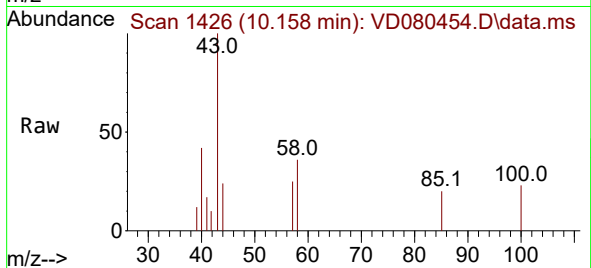




#40  
4-Methyl-2-pentanone  
Concen: 2.39 ug/L  
RT: 10.158 min Scan# 1426  
Delta R.T. 0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

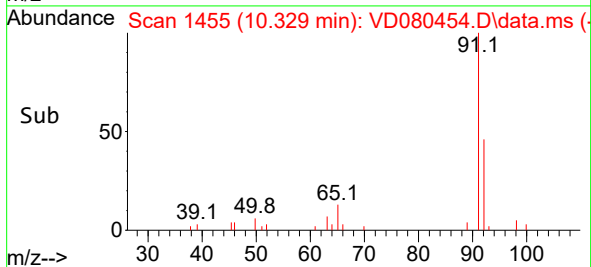
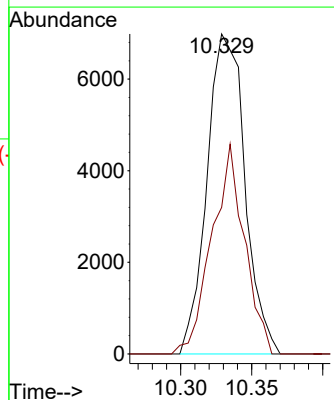
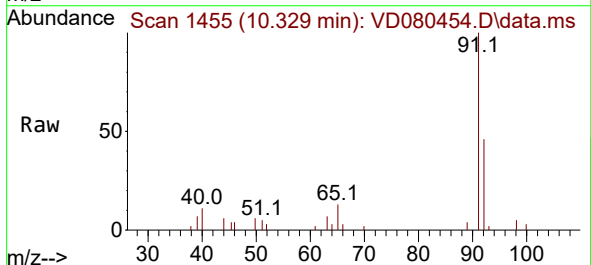
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

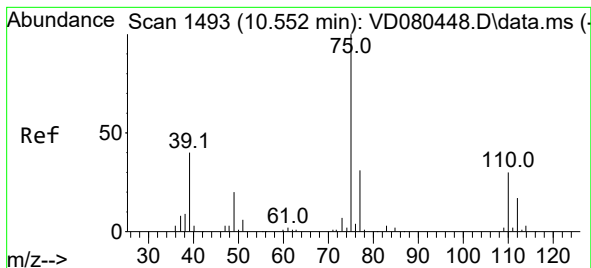
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 3324  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 39.1  | 31.7  | 47.5  |
| 100      | 16.6  | 13.4  | 20.0  |



#42  
Toluene  
Concen: 1.21 ug/L  
RT: 10.329 min Scan# 1455  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 12962 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 45.8  | 42.6  | 79.0  |





#44

trans-1,3-Dichloropropene

Concen: 1.58 ug/L

RT: 10.552 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA\_D

ClientSampleId :

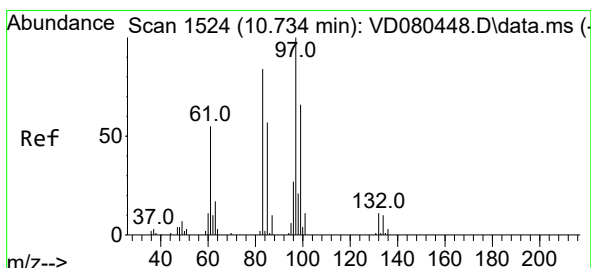
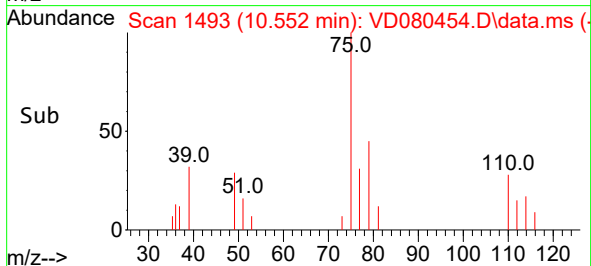
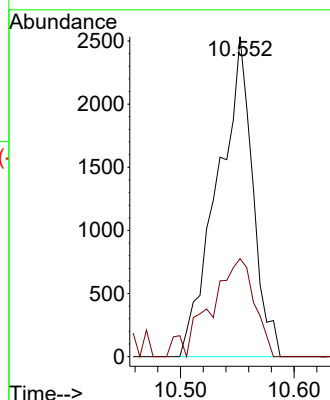
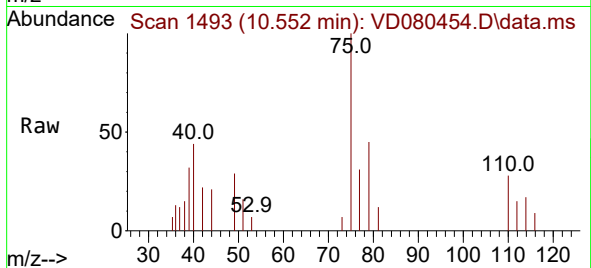
MDL-SOIL-QT2-2025-03

Tgt Ion: 75 Resp: 5418

Ion Ratio Lower Upper

75 100

77 30.7 21.8 40.6



#45

1,1,2-Trichloroethane

Concen: 1.27 ug/L

RT: 10.723 min Scan# 1522

Delta R.T. -0.011 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Tgt Ion: 97 Resp: 2787

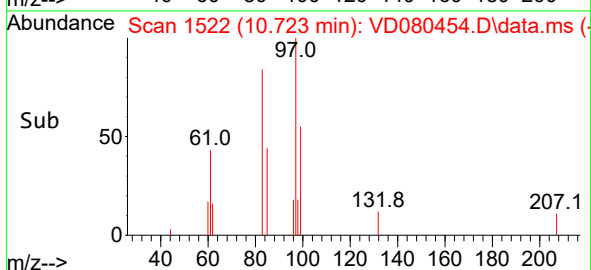
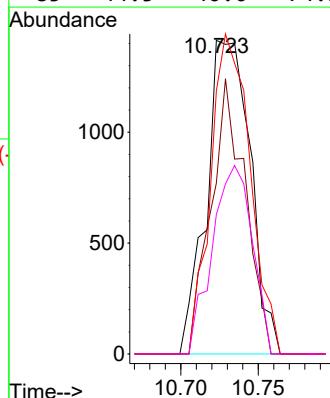
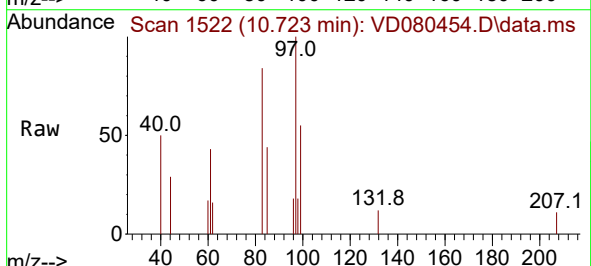
Ion Ratio Lower Upper

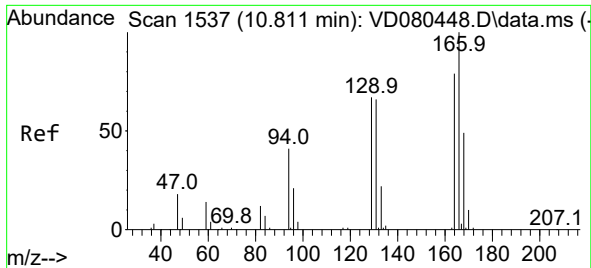
97 100

99 54.5 46.5 86.3

83 83.9 58.5 108.7

85 44.5 40.0 74.2

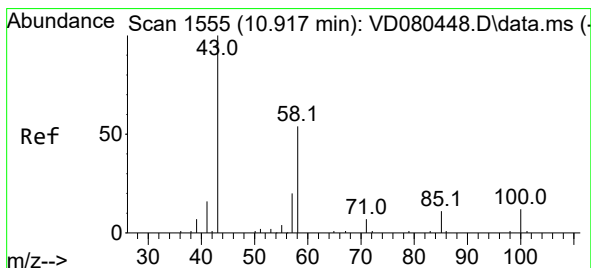
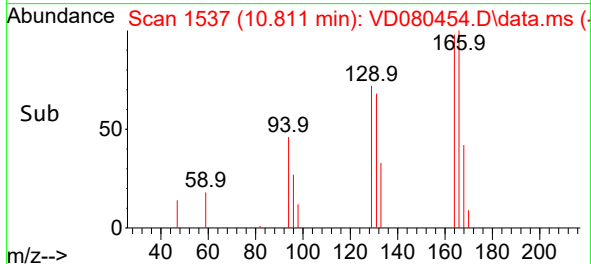
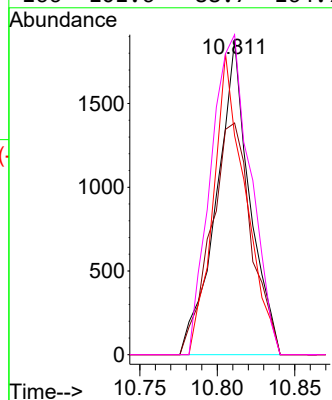
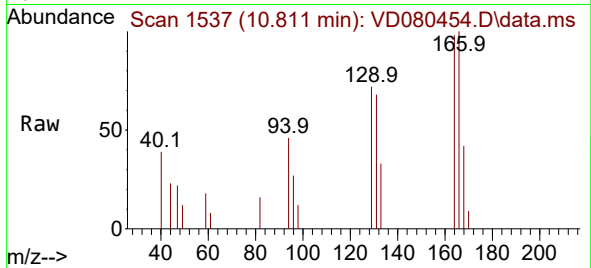




#46  
Tetrachloroethene  
Concen: 1.12 ug/L  
RT: 10.811 min Scan# 1537  
Delta R.T. 0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

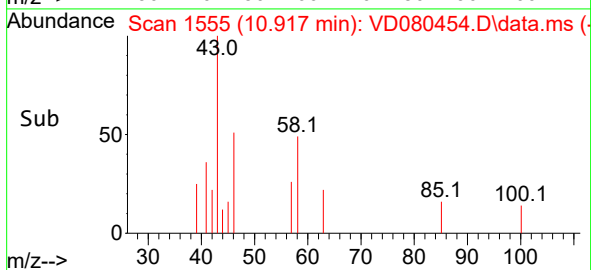
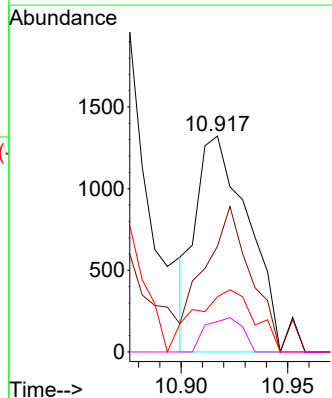
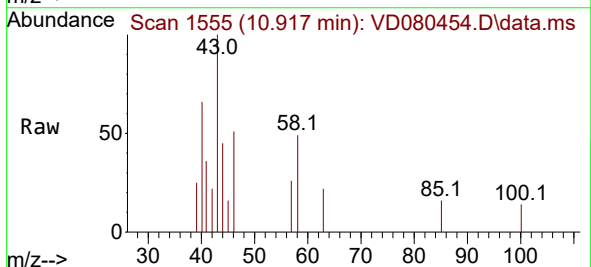
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

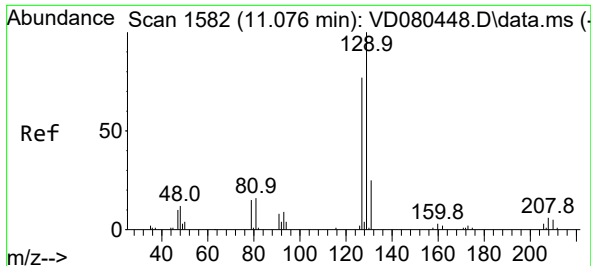
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:164 | Resp: | 2795        |
| Ion         | Ratio | Lower Upper |
| 164         | 100   |             |
| 129         | 73.6  | 59.7 110.9  |
| 131         | 69.5  | 58.7 109.1  |
| 166         | 101.6 | 88.7 164.7  |



#48  
2-Hexanone  
Concen: 2.22 ug/L  
RT: 10.917 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 43 | Resp: | 2251        |
| Ion         | Ratio | Lower Upper |
| 43          | 100   |             |
| 58          | 59.5  | 43.8 65.6   |
| 57          | 32.9  | 15.6 23.4#  |
| 100         | 11.2  | 9.8 14.6    |

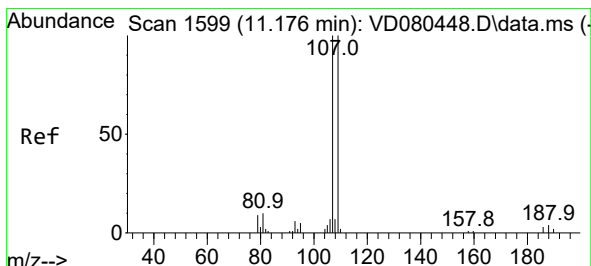
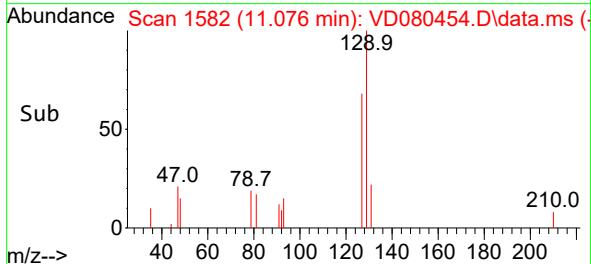
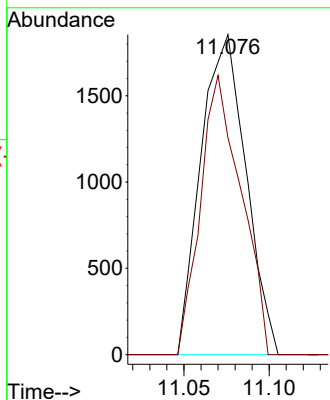
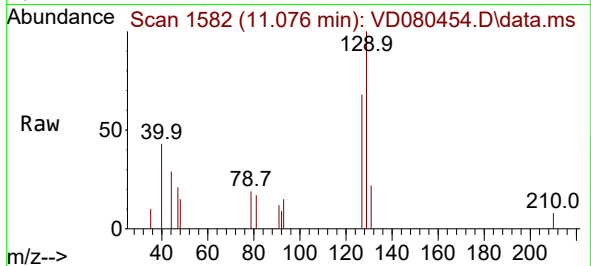




#49  
Dibromochloromethane  
Concen: 1.27 ug/L  
RT: 11.076 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

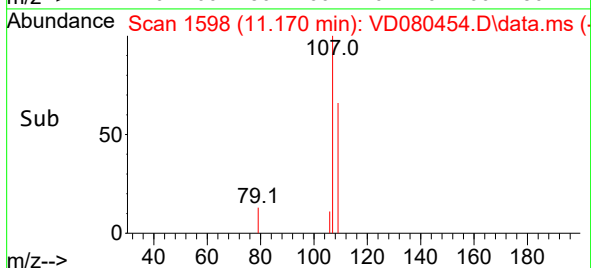
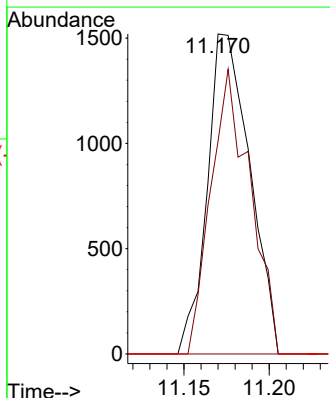
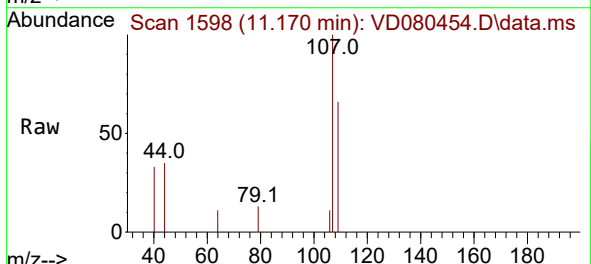
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

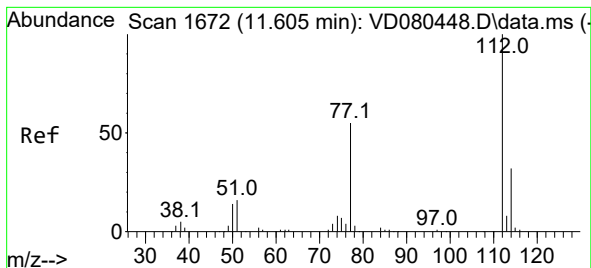
Tgt Ion:129 Resp: 3413  
Ion Ratio Lower Upper  
129 100  
127 67.7 54.1 100.5



#50  
1,2-Dibromoethane  
Concen: 1.25 ug/L  
RT: 11.170 min Scan# 1598  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion:107 Resp: 2644  
Ion Ratio Lower Upper  
107 100  
109 66.4 69.8 129.6#  
188 0.0 2.9 4.3#





#51

Chlorobenzene

Concen: 1.16 ug/L

RT: 11.605 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

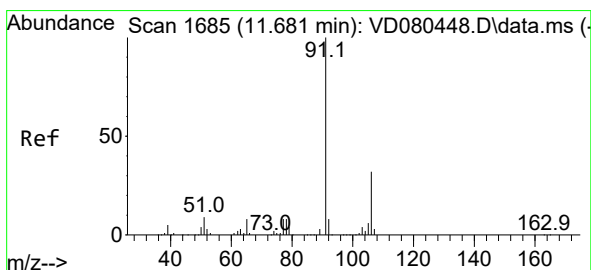
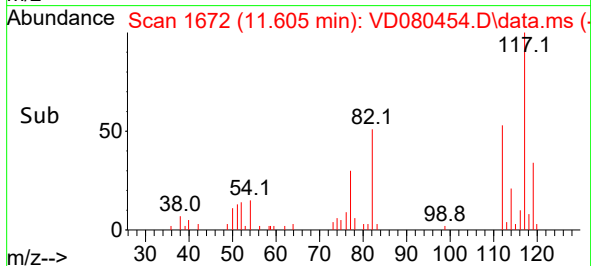
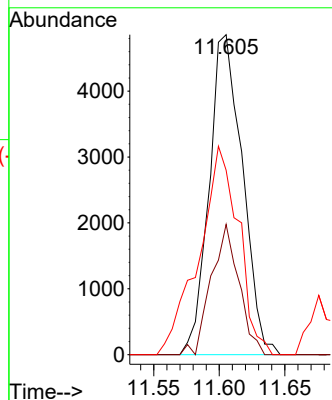
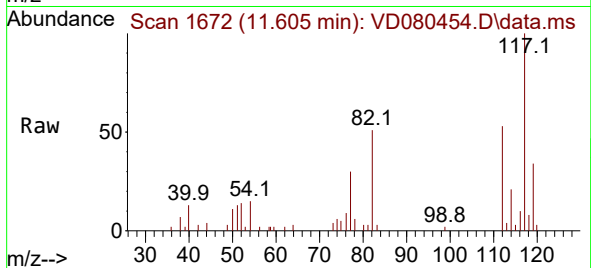
Tgt Ion:112 Resp: 8589

Ion Ratio Lower Upper

112 100

114 40.7 22.3 41.3

77 57.7 44.2 66.4



#52

Ethylbenzene

Concen: 1.01 ug/L

RT: 11.682 min Scan# 1685

Delta R.T. 0.001 min

Lab File: VD080454.D

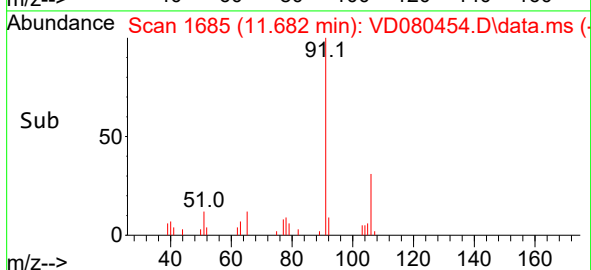
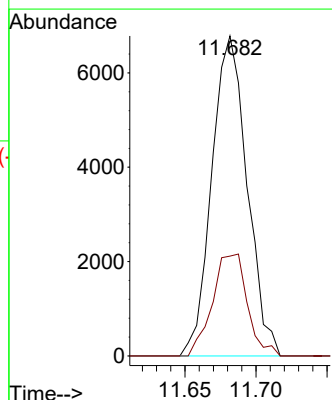
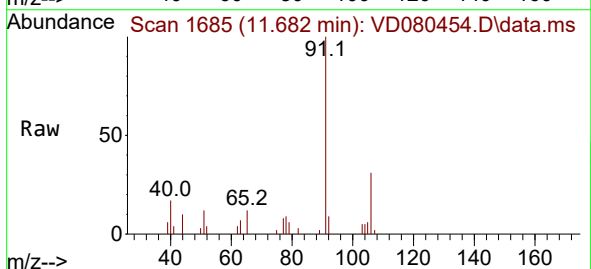
Acq: 18 Jun 2025 14:05

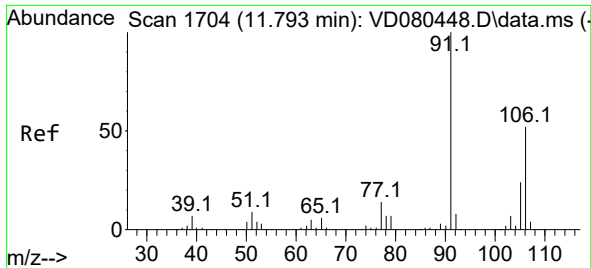
Tgt Ion: 91 Resp: 11732

Ion Ratio Lower Upper

91 100

106 31.2 22.1 41.1

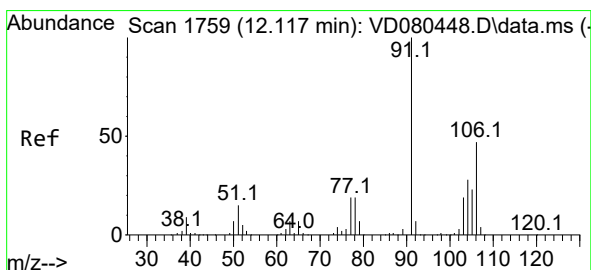
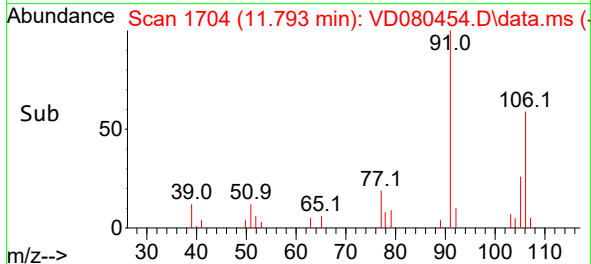
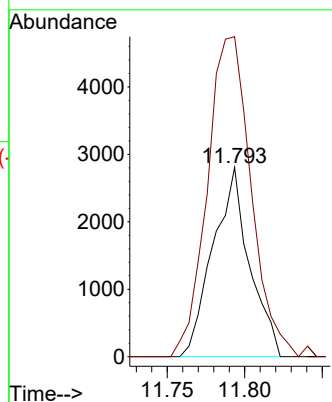
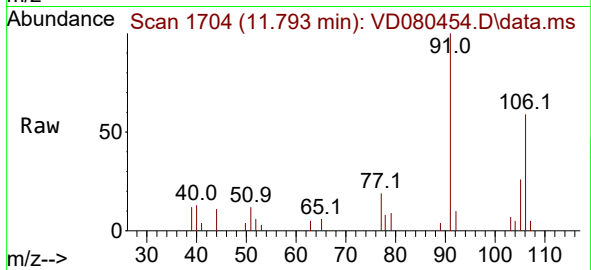




#53  
m,p-Xylene  
Concen: 1.01 ug/L  
RT: 11.793 min Scan# 1704  
Delta R.T. 0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

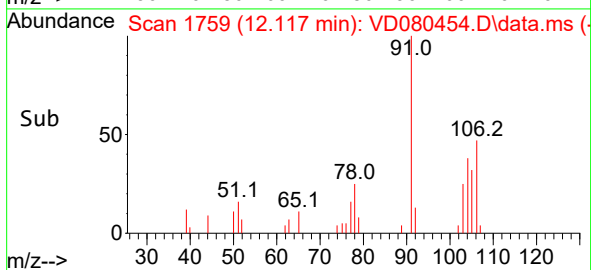
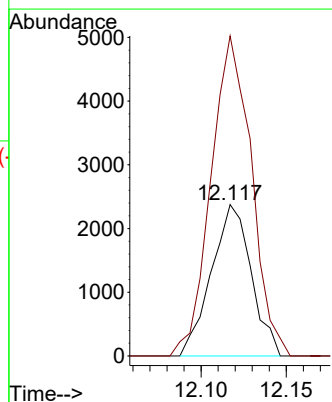
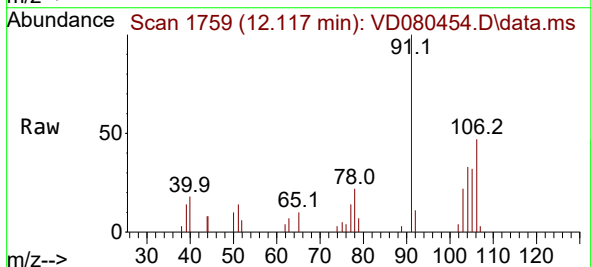
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

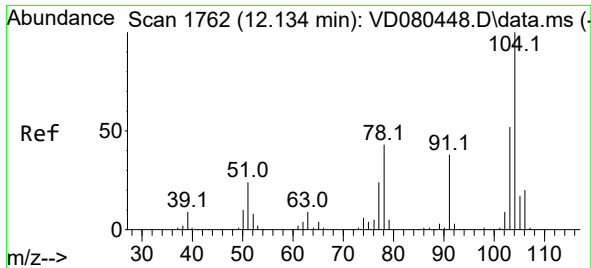
Tgt Ion:106 Resp: 4595  
Ion Ratio Lower Upper  
106 100  
91 169.1 134.1 249.1



#54  
o-Xylene  
Concen: 0.90 ug/L  
RT: 12.117 min Scan# 1759  
Delta R.T. -0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion:106 Resp: 3858  
Ion Ratio Lower Upper  
106 100  
91 211.4 148.3 275.3

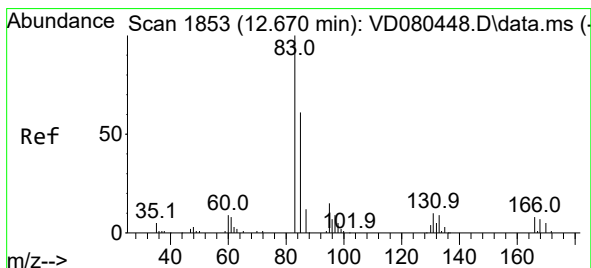
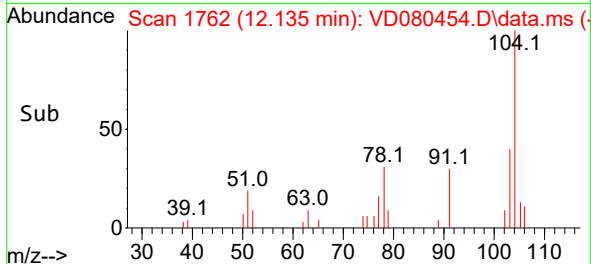
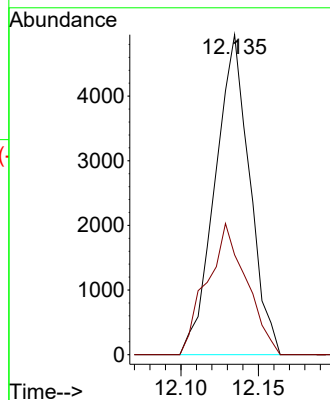
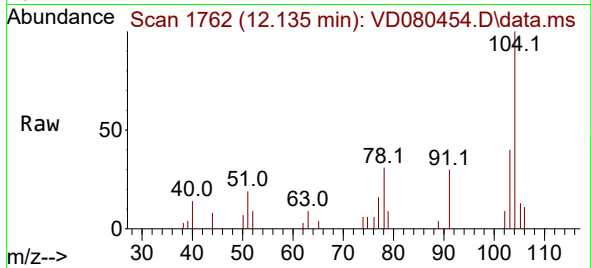




#55  
Styrene  
Concen: 1.01 ug/L  
RT: 12.135 min Scan# 1762  
Delta R.T. 0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

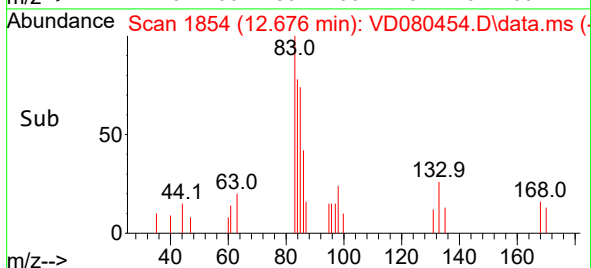
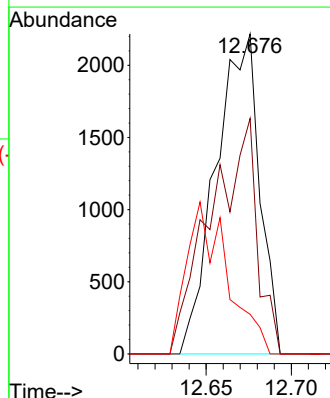
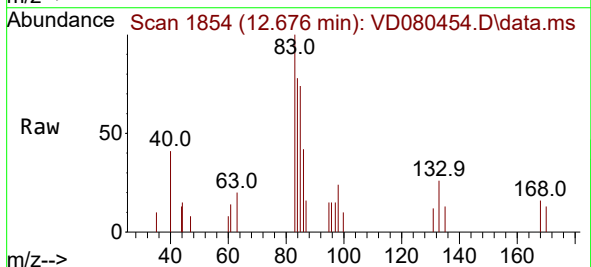
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

Tgt Ion:104 Resp: 7662  
Ion Ratio Lower Upper  
104 100  
78 31.2 30.0 55.8

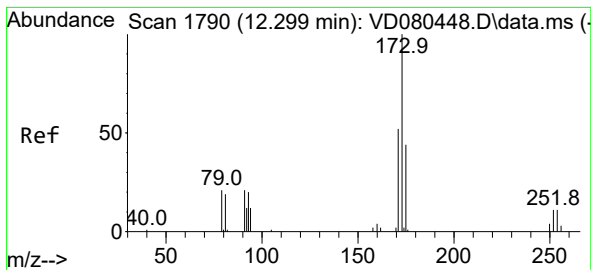


#57  
1,1,2,2-Tetrachloroethane  
Concen: 1.47 ug/L  
RT: 12.676 min Scan# 1854  
Delta R.T. 0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion: 83 Resp: 3949  
Ion Ratio Lower Upper  
83 100  
85 73.6 42.8 79.6  
131 12.4 7.8 11.8#







#59

Bromoform

Concen: 1.34 ug/L

RT: 12.299 min Scan# 1790

Delta R.T. 0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

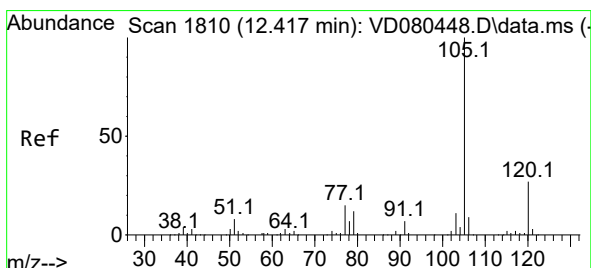
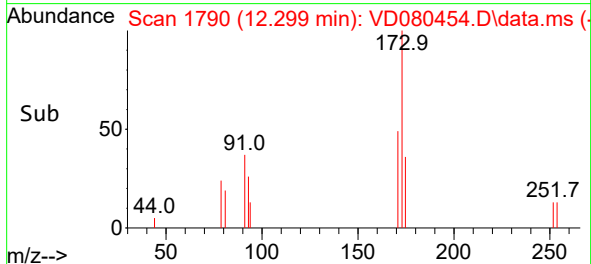
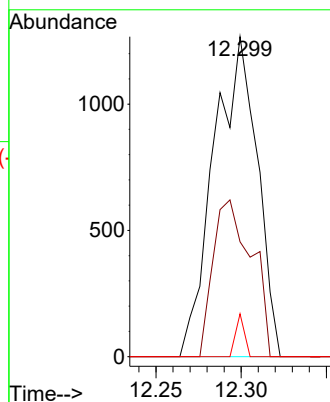
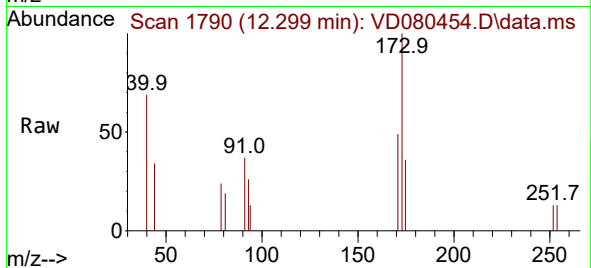
Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 2244  |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 37.0  | 38.2  | 57.4# |
| 254      | 0.0   | 9.0   | 13.4# |



#60

Isopropylbenzene

Concen: 1.08 ug/L

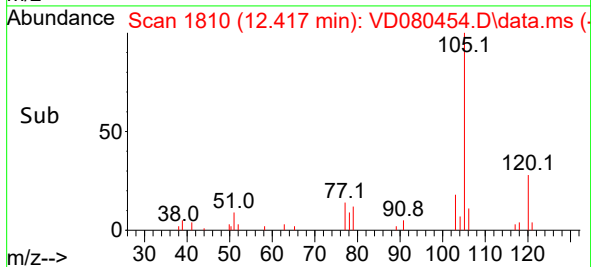
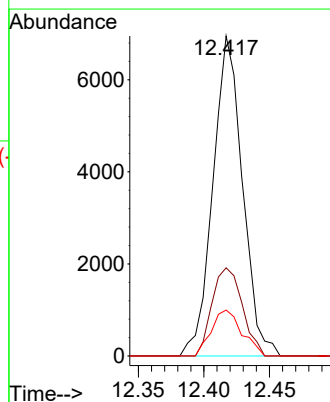
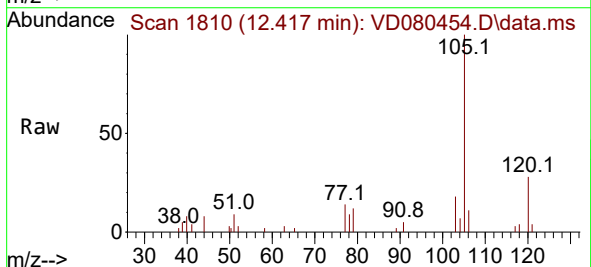
RT: 12.417 min Scan# 1810

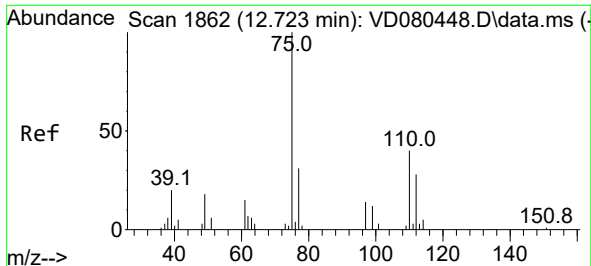
Delta R.T. -0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 10918 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 28.1  | 22.1  | 33.1  |
| 77       | 14.8  | 12.1  | 18.1  |

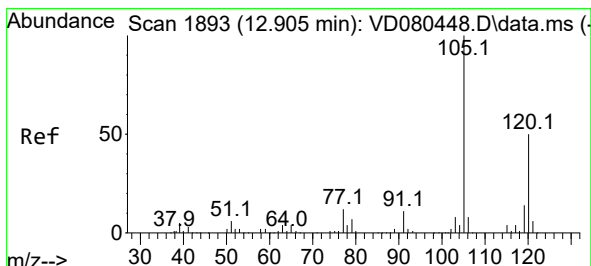
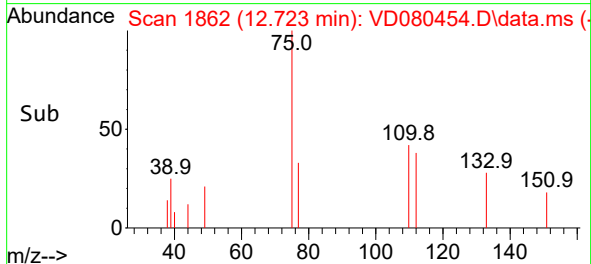
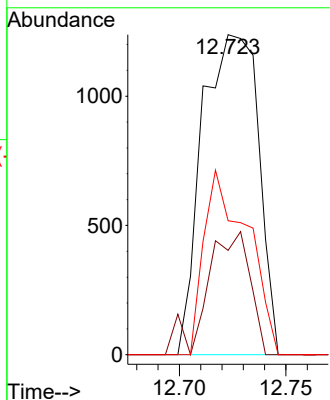
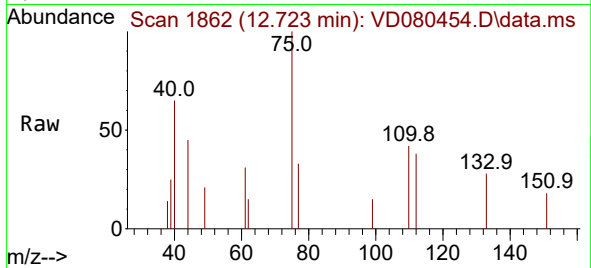




#61  
1,2,3-Trichloropropane  
Concen: 1.42 ug/L  
RT: 12.723 min Scan# 1862  
Delta R.T. -0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

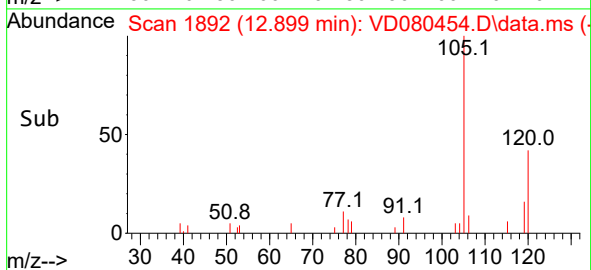
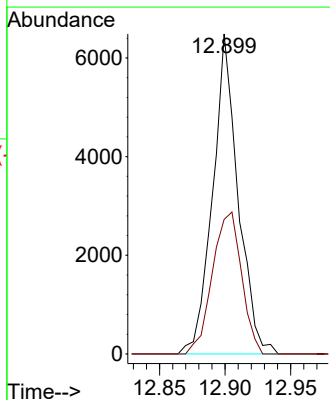
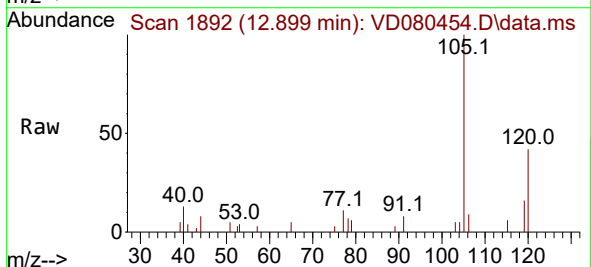
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

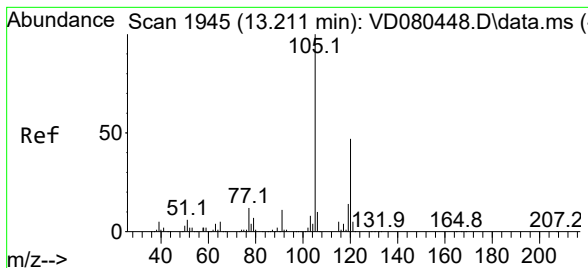
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2273  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 27.1  | 26.8  | 40.2  |
| 110      | 33.8  | 33.0  | 49.4  |



#62  
1,3,5-Trimethylbenzene  
Concen: 1.12 ug/L  
RT: 12.899 min Scan# 1892  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 8719  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 51.0  | 40.1  | 60.1  |





#63

1,2,4-Trimethylbenzene

Concen: 1.11 ug/L

RT: 13.211 min Scan# 1945

Delta R.T. 0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA\_D

ClientSampleId :

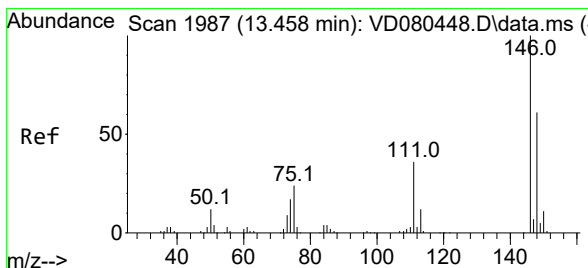
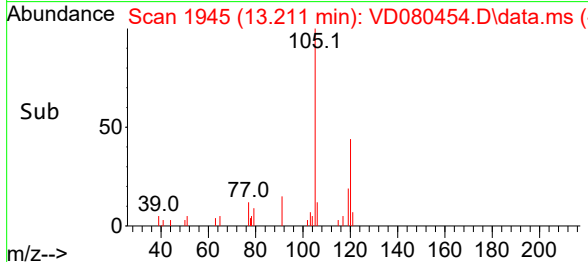
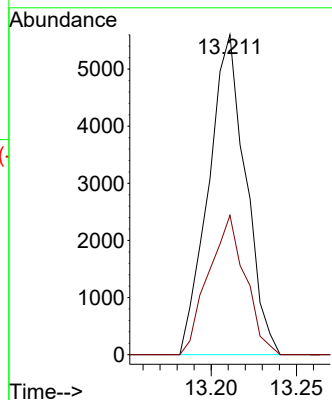
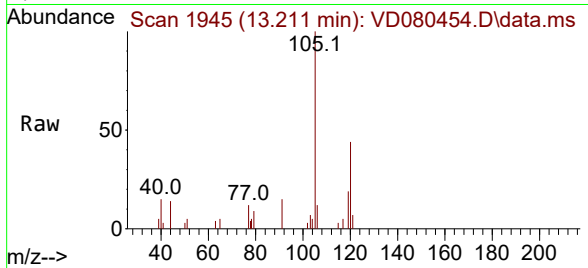
MDL-SOIL-QT2-2025-03

Tgt Ion:105 Resp: 8489

Ion Ratio Lower Upper

105 100

120 43.3 37.5 56.3



#64

1,3-Dichlorobenzene

Concen: 1.28 ug/L

RT: 13.458 min Scan# 1987

Delta R.T. 0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

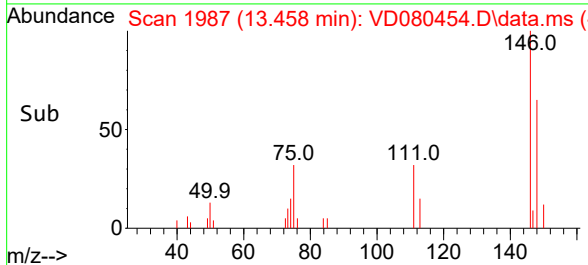
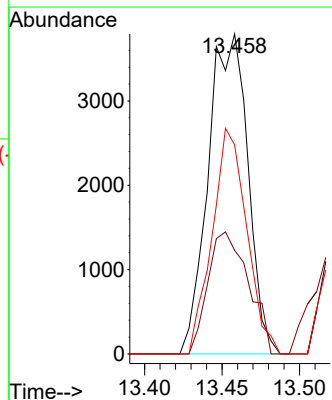
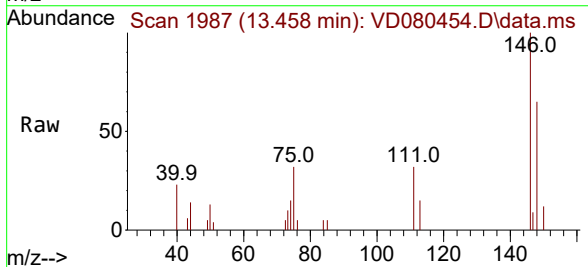
Tgt Ion:146 Resp: 6729

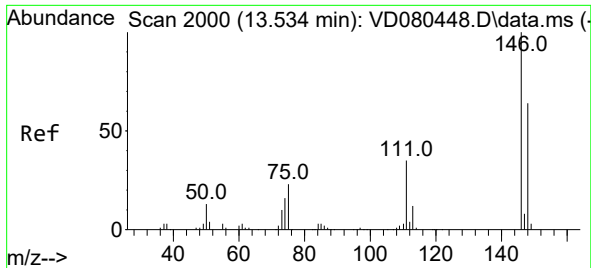
Ion Ratio Lower Upper

146 100

111 32.4 25.4 47.2

148 65.4 42.8 79.6

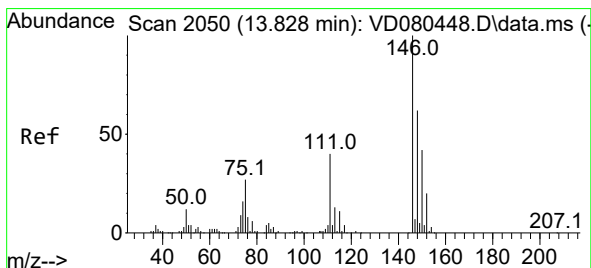
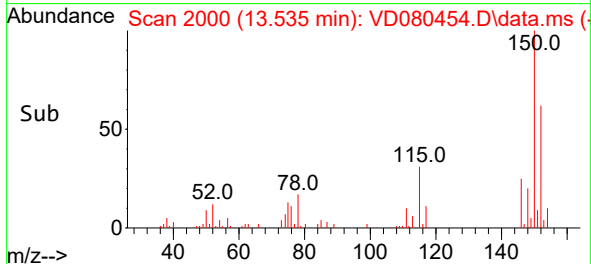
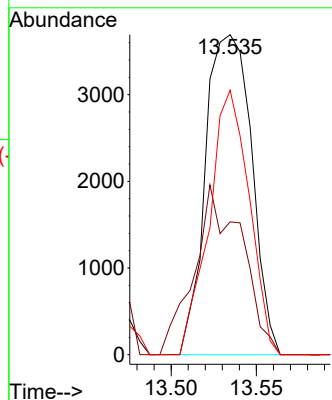
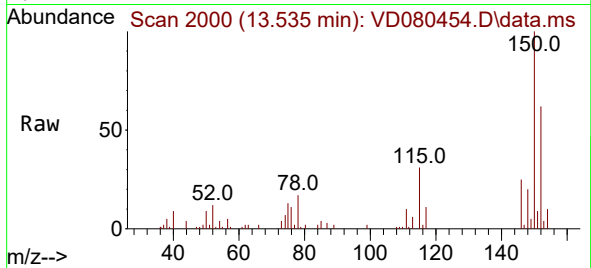




#65  
1,4-Dichlorobenzene  
Concen: 1.26 ug/L  
RT: 13.535 min Scan# 2000  
Delta R.T. 0.001 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

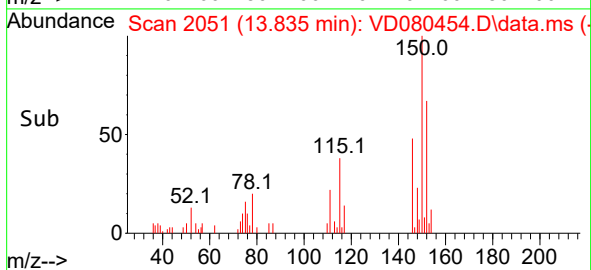
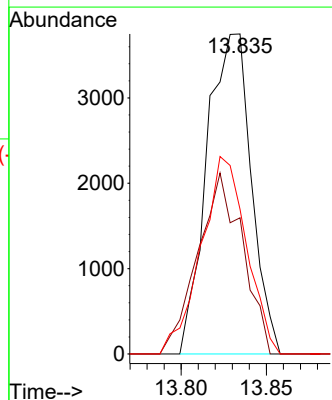
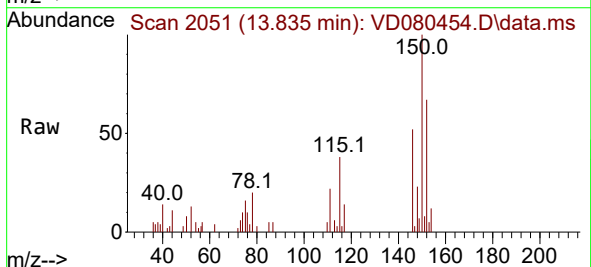
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

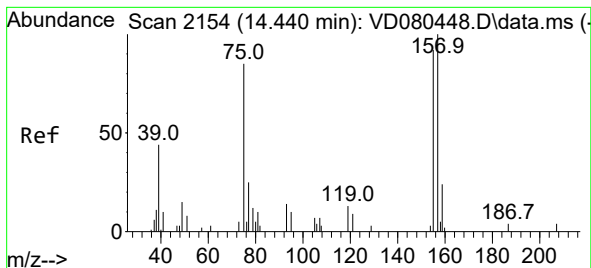
Tgt Ion:146 Resp: 6940  
Ion Ratio Lower Upper  
146 100  
111 47.6 24.5 45.5#  
148 82.6 44.6 82.8



#67  
1,2-Dichlorobenzene  
Concen: 1.43 ug/L  
RT: 13.835 min Scan# 2051  
Delta R.T. 0.007 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

Tgt Ion:146 Resp: 6790  
Ion Ratio Lower Upper  
146 100  
111 42.6 32.0 48.0  
148 45.2 49.7 74.5#





#68

1,2-Dibromo-3-chloropropane

Concen: 1.56 ug/L m

RT: 14.435 min Scan# 2154

Delta R.T. -0.005 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Instrument :

MSVOA\_D

ClientSampleId :

MDL-SOIL-QT2-2025-03

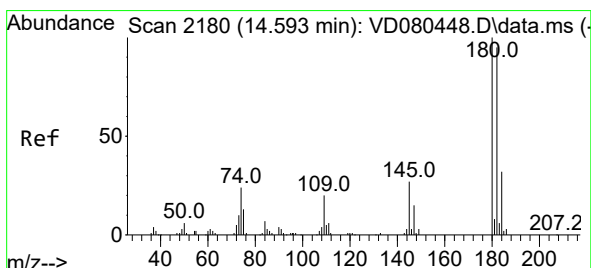
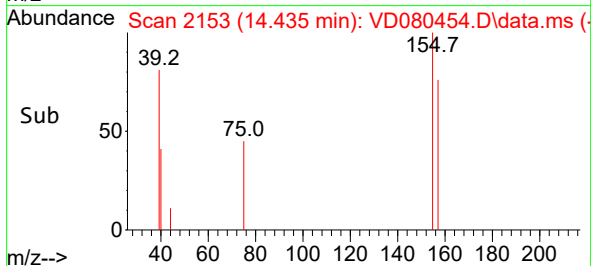
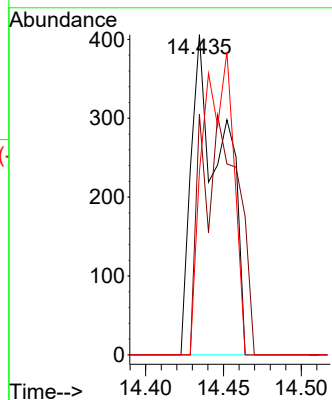
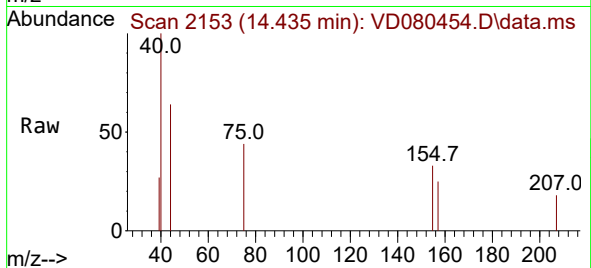
Tgt Ion: 75 Resp: 582

Ion Ratio Lower Upper

75 100

155 75.1 86.2 129.2#

157 57.1 94.0 141.0#



#69

1,3,5-Trichlorobenzene

Concen: 1.25 ug/L

RT: 14.593 min Scan# 2180

Delta R.T. 0.000 min

Lab File: VD080454.D

Acq: 18 Jun 2025 14:05

Tgt Ion:180 Resp: 4550

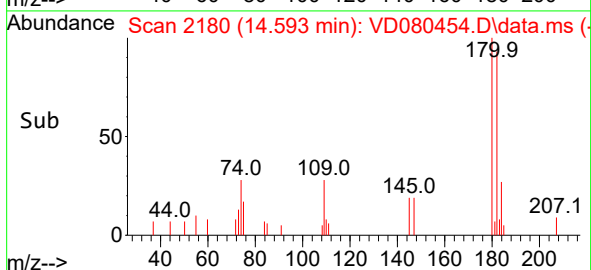
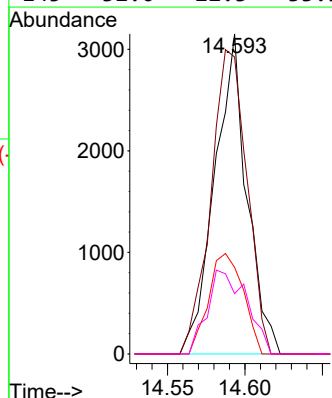
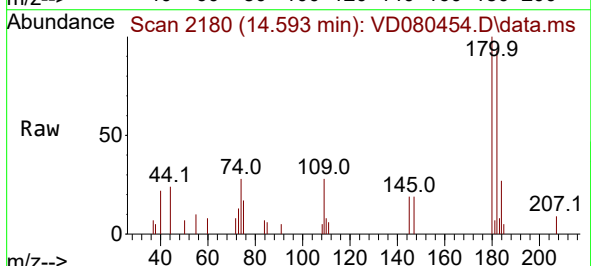
Ion Ratio Lower Upper

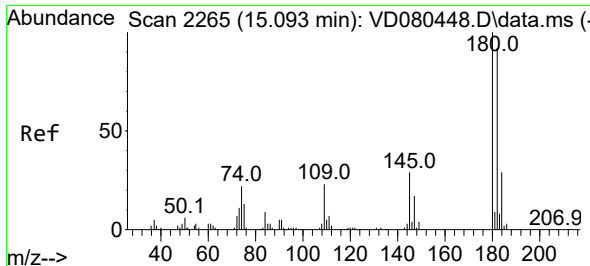
180 100

182 106.4 77.0 115.4

184 33.8 24.9 37.3

145 32.0 22.3 33.5

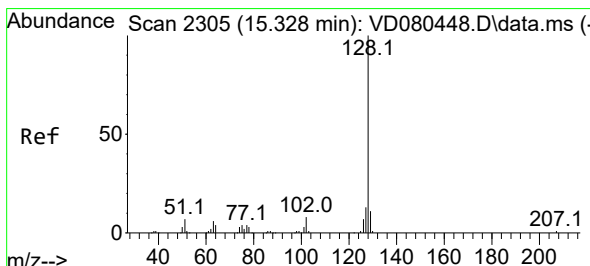
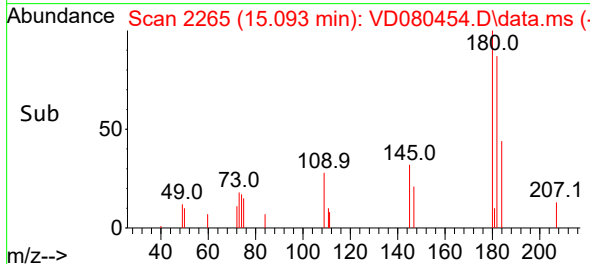
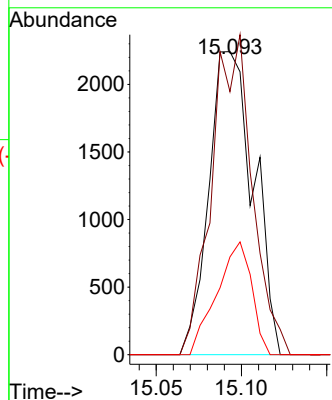
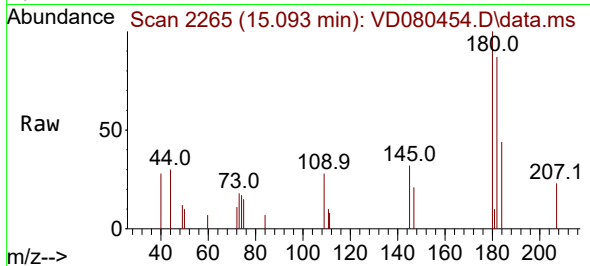




#70  
1,2,4-trichlorobenzene  
Concen: 1.37 ug/L  
RT: 15.093 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

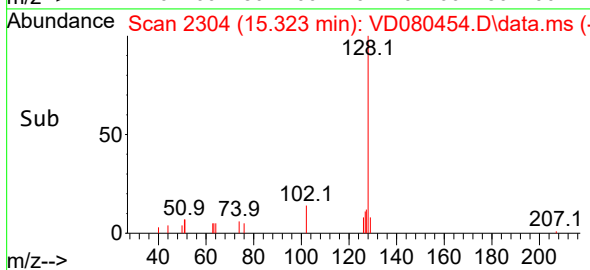
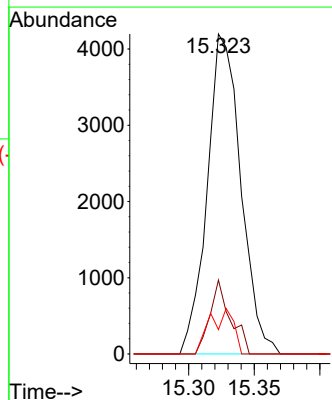
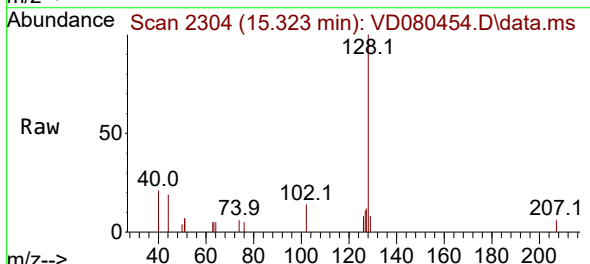
Instrument :  
MSVOA\_D  
ClientSampleId :  
MDL-SOIL-QT2-2025-03

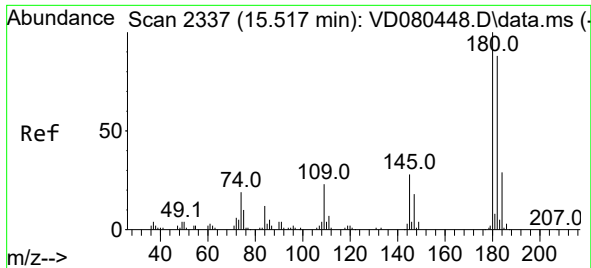
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 4099  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.4  | 76.0  | 114.0 |
| 145       | 28.9  | 22.2  | 33.4  |



#71  
Naphthalene  
Concen: 1.38 ug/L  
RT: 15.323 min Scan# 2304  
Delta R.T. -0.006 min  
Lab File: VD080454.D  
Acq: 18 Jun 2025 14:05

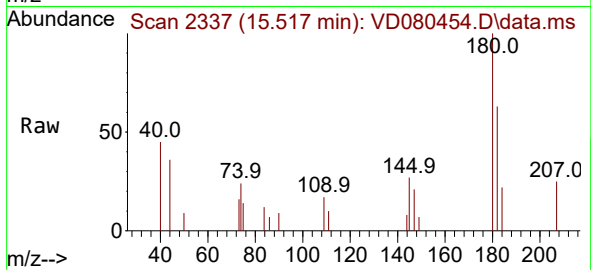
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 7486 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 14.1  | 11.0  | 16.6 |
| 129       | 4.8   | 9.0   | 13.4 |





#72  
 1,2,3-Trichlorobenzene  
 Concen: 1.32 ug/L  
 RT: 15.517 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VD080454.D  
 Acq: 18 Jun 2025 14:05

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



Tgt Ion:180 Resp: 3679  
 Ion Ratio Lower Upper  
 180 100  
 182 92.7 74.7 112.1  
 145 28.6 24.2 36.4

