

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW073024\  
 Data File : VW029799.D  
 Acq On : 30 Jul 2024 12:41  
 Operator : SY/MD  
 Sample : P3391-03  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 ClientSampleId :  
 MDL-SOIL-QT3-2024-05

Quant Time: Jul 31 02:50:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM072424SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 31 01:58:39 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 8.837  | 114   | 231428   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 11.629 | 117   | 219499   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.556 | 152   | 102456   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 2.363  | 65    | 62051    | 18.886   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 75.560%  |
| 7) Chloroethane-d5            | 2.899  | 69    | 50560    | 21.555   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 86.200%  |
| 11) 1,1-Dichloroethene-d2     | 4.021  | 65    | 30710    | 20.476   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 81.920%  |
| 21) 2-Butanone-d5             | 7.069  | 46    | 40950    | 45.474   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.940%  |
| 24) Chloroform-d              | 7.642  | 84    | 143134   | 23.892   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 95.560%  |
| 26) 1,2-Dichloroethane-d4     | 8.301  | 65    | 83950    | 24.602   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 98.400%  |
| 32) Benzene-d6                | 8.270  | 84    | 274126   | 23.114   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 92.440%  |
| 36) 1,2-Dichloropropane-d6    | 9.270  | 67    | 90681    | 23.946   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 95.800%  |
| 41) Toluene-d8                | 10.319 | 98    | 241236   | 22.876   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.520%  |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79    | 33883    | 22.111   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 88.440%  |
| 47) 2-Hexanone-d5             | 10.922 | 63    | 25837    | 41.377   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 82.760%  |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84    | 67409    | 23.973   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 95.880%  |
| 66) 1,2-Dichlorobenzene-d4    | 13.849 | 152   | 75342    | 23.683   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 94.720%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 2.131  | 85    | 71       | 0.023    | ug/L   | 91       |
| 3) Chloromethane              | 2.216  | 50    | 4839     | 1.254    | ug/L   | 98       |
| 5) Vinyl chloride             | 2.369  | 62    | 4817     | 1.114    | ug/L   | 83       |
| 6) Bromomethane               | 2.783  | 94    | 2742     | 1.155    | ug/L   | 84       |
| 8) Chloroethane               | 2.942  | 64    | 3033     | 1.233    | ug/L   | 95       |
| 9) Trichlorofluoromethane     | 3.259  | 101   | 3405     | 0.986    | ug/L   | 92       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.064  | 101   | 2835     | 0.824    | ug/L # | 69       |
| 12) 1,1-Dichloroethene        | 4.039  | 96    | 3124     | 0.988    | ug/L # | 1        |
| 13) Acetone                   | 4.119  | 43    | 957      | 0.855    | ug/L # | 27       |
| 14) Carbon disulfide          | 4.381  | 76    | 12051    | 1.145    | ug/L # | 91       |
| 15) Methyl Acetate            | 4.673  | 43    | 987      | 0.530    | ug/L   | 92       |
| 16) Methylene chloride        | 4.923  | 84    | 20499    | 4.237    | ug/L   | 98       |
| 17) trans-1,2-Dichloroethene  | 5.423  | 96    | 3793     | 1.113    | ug/L   | 93       |
| 18) Methyl tert-butyl Ether   | 5.423  | 73    | 5425     | 0.966    | ug/L # | 66       |
| 19) 1,1-Dichloroethane        | 6.216  | 63    | 7999     | 1.113    | ug/L   | 97       |
| 20) cis-1,2-Dichloroethene    | 7.173  | 96    | 3910     | 1.058    | ug/L # | 88       |
| 22) 2-Butanone                | 7.307  | 43    | 181      | 0.126    | ug/L   | 99       |
| 23) Bromochloromethane        | 7.514  | 128   | 1856     | 1.183    | ug/L   | 90       |
| 25) Chloroform                | 7.679  | 83    | 8356     | 1.234    | ug/L   | 94       |

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 ALS Vial : 8 Sample Multiplier: 1

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 Quant Title : SFAM01.0  
 QLast Update : Wed Jul 31 01:58:39 2024  
 Response via : Initial Calibration

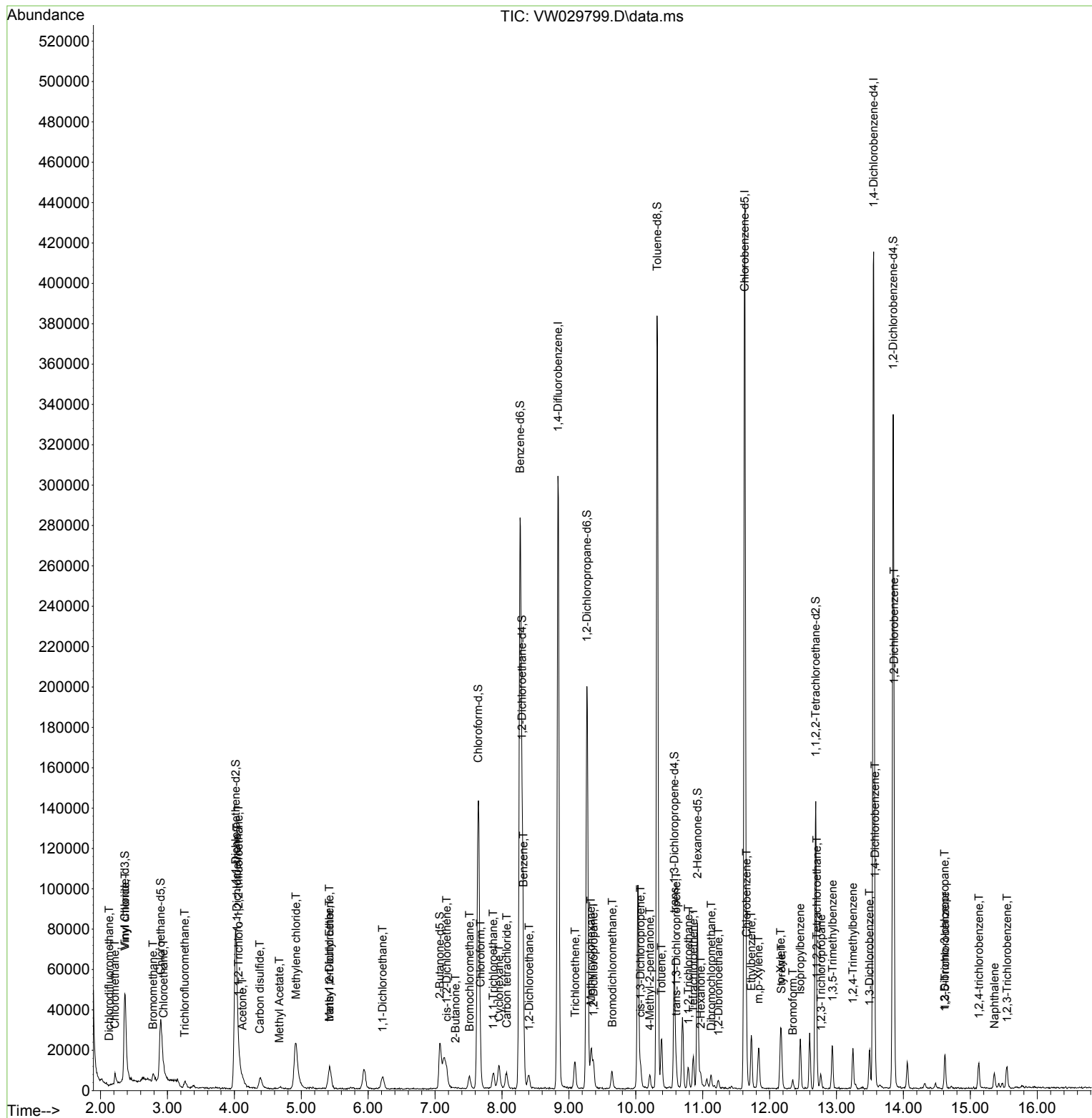
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 8.404  | 62   | 5862     | 1.188 | ug/L   | 96       |
| 29) Cyclohexane               | 7.959  | 56   | 4570     | 0.733 | ug/L # | 93       |
| 30) 1,1,1-Trichloroethane     | 7.868  | 97   | 5773     | 1.039 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.069  | 117  | 5569     | 1.112 | ug/L   | 96       |
| 33) Benzene                   | 8.319  | 78   | 17052    | 1.134 | ug/L   | 100      |
| 34) Trichloroethene           | 9.093  | 95   | 4403     | 1.117 | ug/L   | 95       |
| 35) Methylcyclohexane         | 9.331  | 83   | 5726     | 0.872 | ug/L   | 87       |
| 37) 1,2-Dichloropropane       | 9.368  | 63   | 4528     | 1.099 | ug/L # | 96       |
| 38) Bromodichloromethane      | 9.648  | 83   | 5309     | 1.082 | ug/L # | 86       |
| 39) cis-1,3-Dichloropropene   | 10.069 | 75   | 5901     | 0.983 | ug/L   | 93       |
| 40) 4-Methyl-2-pentanone      | 10.209 | 43   | 4763     | 1.819 | ug/L   | 98       |
| 42) Toluene                   | 10.386 | 91   | 16754    | 1.091 | ug/L   | 93       |
| 44) trans-1,3-Dichloropropene | 10.605 | 75   | 6777     | 1.360 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 10.788 | 97   | 3018     | 1.090 | ug/L   | 96       |
| 46) Tetrachloroethene         | 10.861 | 164  | 3246     | 1.133 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.971 | 43   | 3846     | 1.962 | ug/L # | 96       |
| 49) Dibromochloromethane      | 11.129 | 129  | 3034     | 1.056 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.233 | 107  | 2900     | 1.132 | ug/L # | 85       |
| 51) Chlorobenzene             | 11.654 | 112  | 10706    | 1.121 | ug/L   | 92       |
| 52) Ethylbenzene              | 11.727 | 91   | 16993    | 0.981 | ug/L   | 97       |
| 53) m,p-Xylene                | 11.837 | 106  | 5679     | 0.892 | ug/L   | 95       |
| 54) o-Xylene                  | 12.166 | 106  | 4953     | 0.845 | ug/L   | 91       |
| 55) Styrene                   | 12.178 | 104  | 8560     | 0.842 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.708 | 83   | 3705     | 1.090 | ug/L # | 89       |
| 59) Bromoform                 | 12.349 | 173  | 1694     | 1.099 | ug/L # | 97       |
| 60) Isopropylbenzene          | 12.459 | 105  | 13552    | 0.855 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.769 | 75   | 2785     | 1.118 | ug/L   | 92       |
| 62) 1,3,5-Trimethylbenzene    | 12.940 | 105  | 10536    | 0.894 | ug/L   | 94       |
| 63) 1,2,4-Trimethylbenzene    | 13.245 | 105  | 9880     | 0.784 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 13.495 | 146  | 6641     | 0.982 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 13.574 | 146  | 7993     | 1.150 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 13.861 | 146  | 7119     | 1.156 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.617 | 75   | 1279     | 2.261 | ug/L # | 14       |
| 69) 1,3,5-Trichlorobenzene    | 14.623 | 180  | 4530     | 0.979 | ug/L   | 93       |
| 70) 1,2,4-trichlorobenzene    | 15.129 | 180  | 3515     | 0.902 | ug/L   | 98       |
| 71) Naphthalene               | 15.360 | 128  | 5639     | 0.758 | ug/L # | 93       |
| 72) 1,2,3-Trichlorobenzene    | 15.549 | 180  | 3150     | 0.893 | ug/L   | 95       |

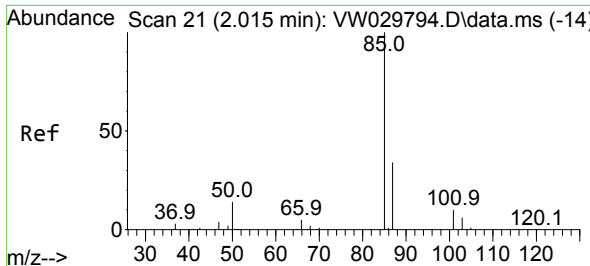
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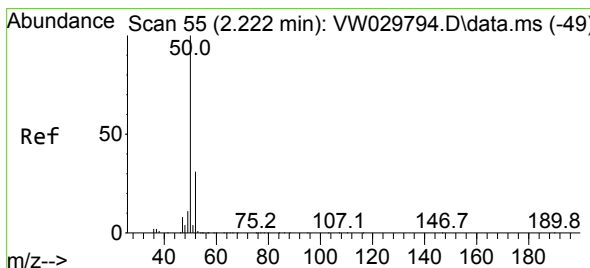
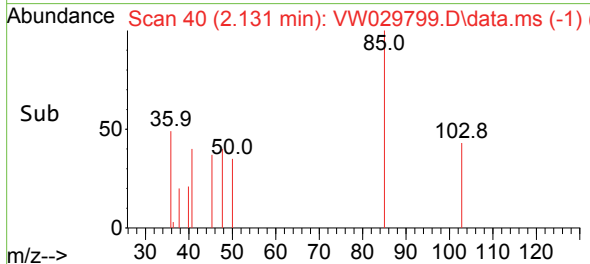
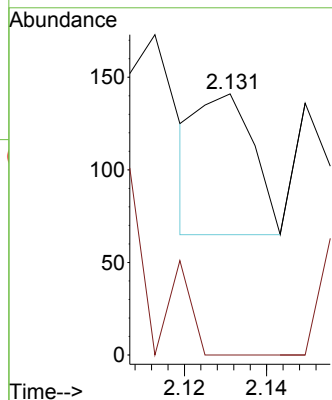
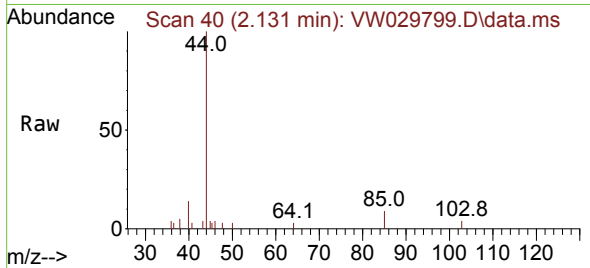




#2  
 Dichlorodifluoromethane  
 Concen: 0.023 ug/L  
 RT: 2.131 min Scan# 40  
 Delta R.T. 0.116 min  
 Lab File: VW029799.D  
 Acq: 30 Jul 2024 12:41

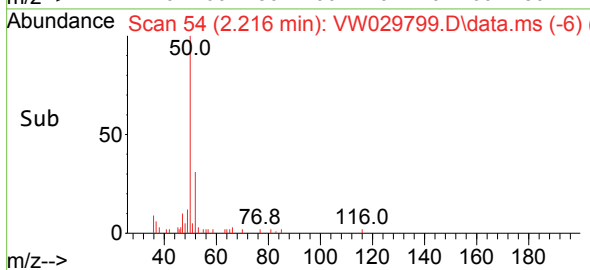
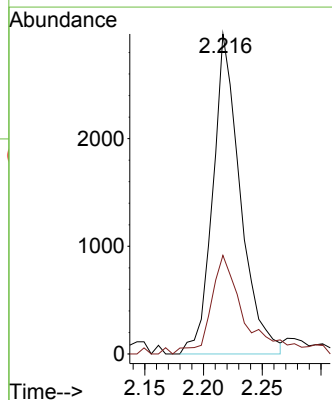
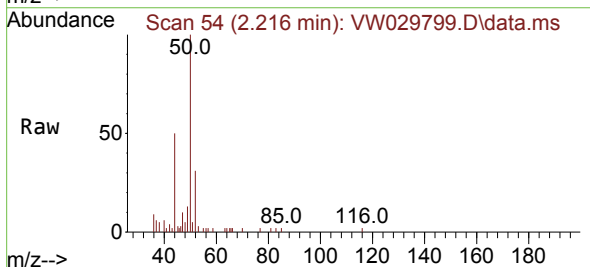
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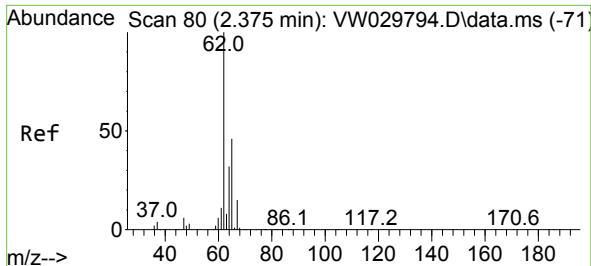
Tgt Ion: 85 Resp: 71  
 Ion Ratio Lower Upper  
 85 100  
 87 26.8 25.5 38.3



#3  
 Chloromethane  
 Concen: 1.254 ug/L  
 RT: 2.216 min Scan# 54  
 Delta R.T. -0.006 min  
 Lab File: VW029799.D  
 Acq: 30 Jul 2024 12:41

Tgt Ion: 50 Resp: 4839  
 Ion Ratio Lower Upper  
 50 100  
 52 30.8 22.5 41.9

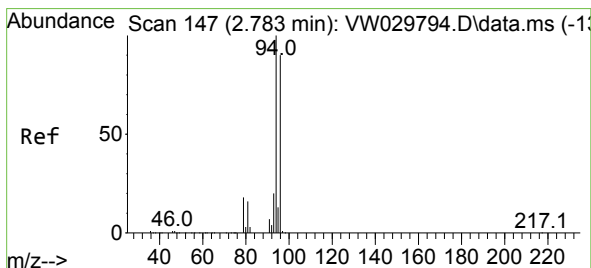
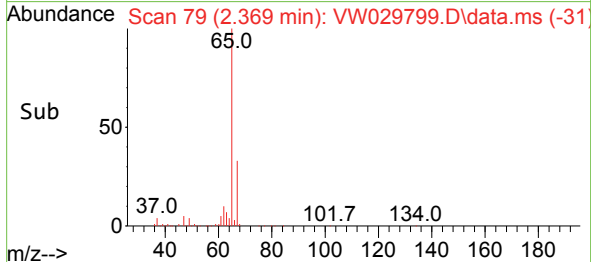
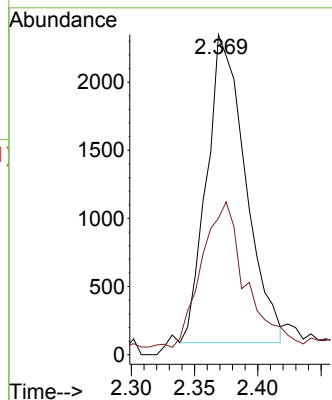
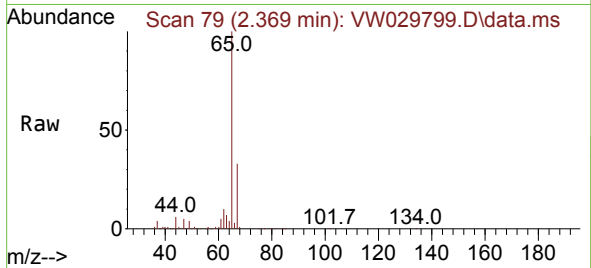




#5  
 Vinyl chloride  
 Concen: 1.114 ug/L  
 RT: 2.369 min Scan# 79  
 Delta R.T. -0.006 min  
 Lab File: VW029799.D  
 Acq: 30 Jul 2024 12:41

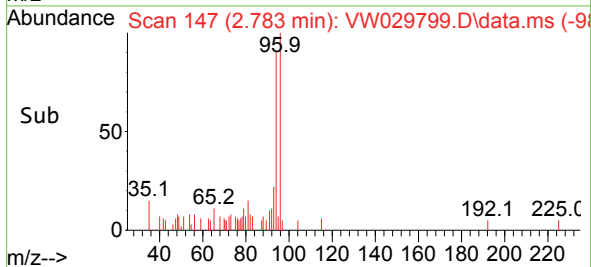
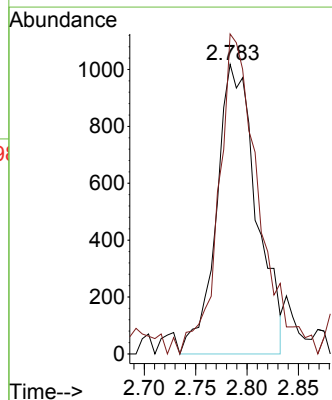
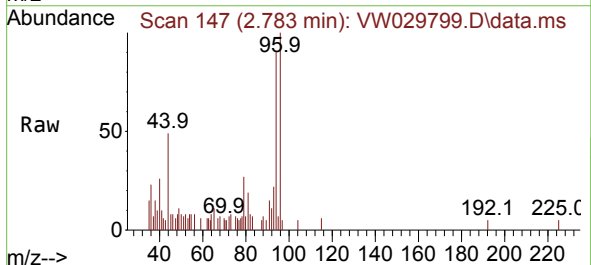
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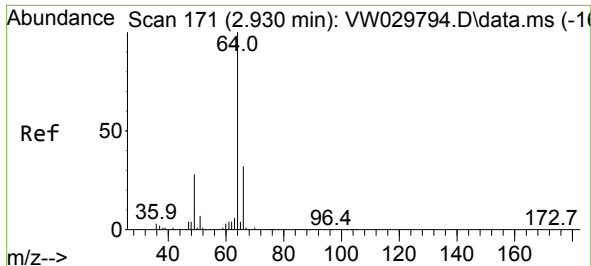
Tgt Ion: 62 Resp: 4817  
 Ion Ratio Lower Upper  
 62 100  
 64 42.6 23.2 43.2



#6  
 Bromomethane  
 Concen: 1.155 ug/L  
 RT: 2.783 min Scan# 147  
 Delta R.T. 0.000 min  
 Lab File: VW029799.D  
 Acq: 30 Jul 2024 12:41

Tgt Ion: 94 Resp: 2742  
 Ion Ratio Lower Upper  
 94 100  
 96 110.5 66.2 123.0

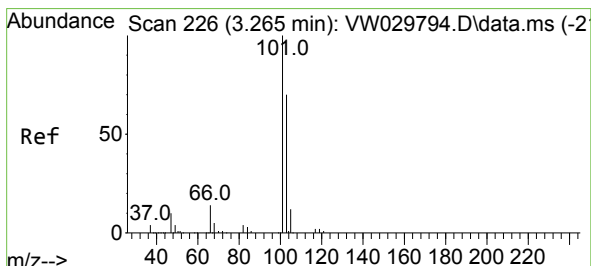
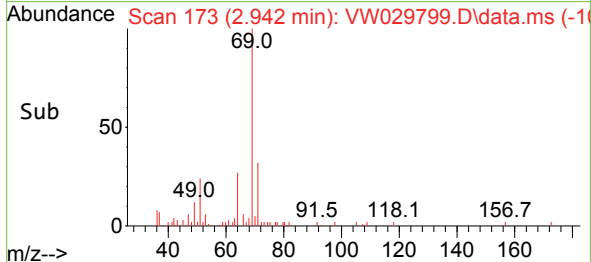
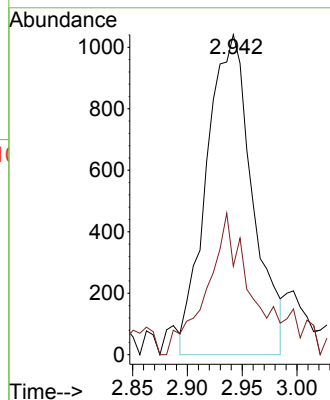
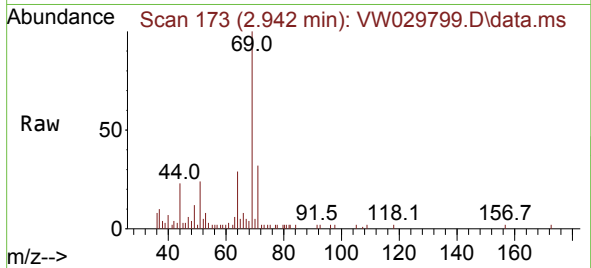




#8  
Chloroethane  
Concen: 1.233 ug/L  
RT: 2.942 min Scan# 171  
Delta R.T. 0.012 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

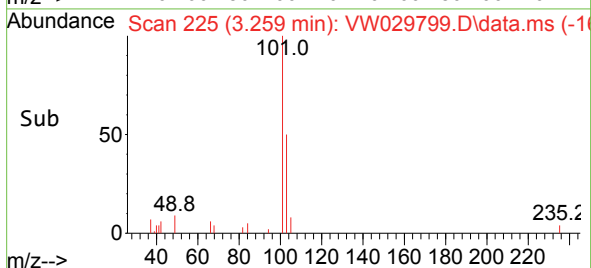
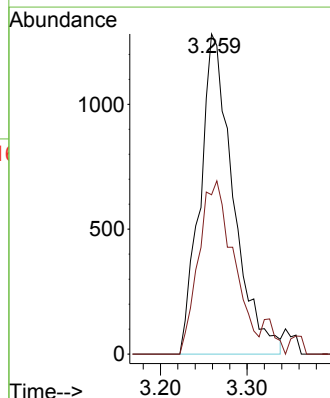
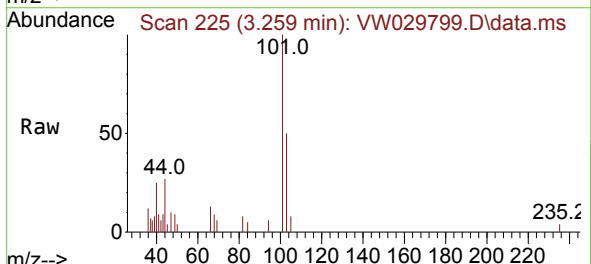
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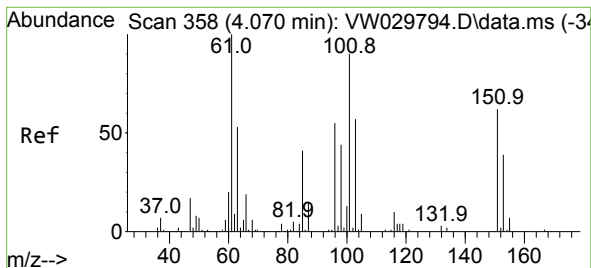
Tgt Ion: 64 Resp: 3033  
Ion Ratio Lower Upper  
64 100  
66 27.7 21.2 39.4



#9  
Trichlorofluoromethane  
Concen: 0.986 ug/L  
RT: 3.259 min Scan# 225  
Delta R.T. -0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

Tgt Ion: 101 Resp: 3405  
Ion Ratio Lower Upper  
101 100  
103 57.3 51.0 76.4





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.824 ug/L

RT: 4.064 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

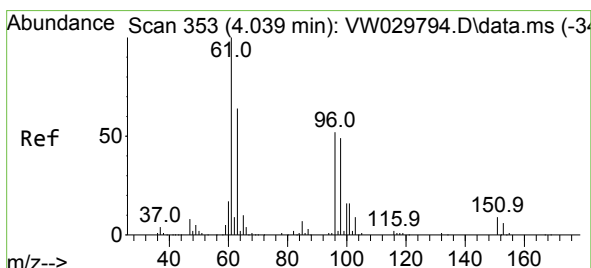
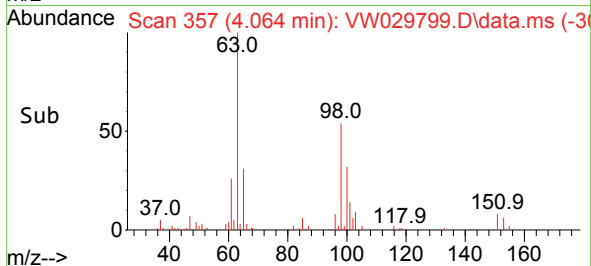
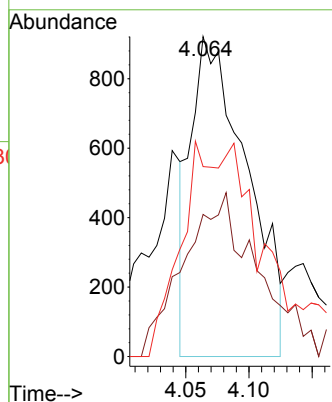
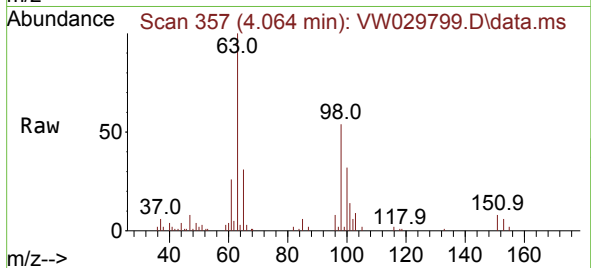
Tgt Ion:101 Resp: 2835

Ion Ratio Lower Upper

101 100

85 28.9 34.2 51.4#

151 37.5 54.2 81.2#



#12

1,1-Dichloroethene

Concen: 0.988 ug/L

RT: 4.039 min Scan# 353

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

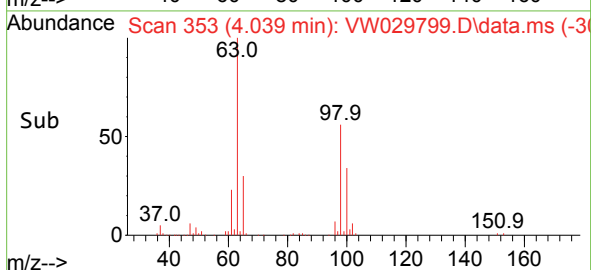
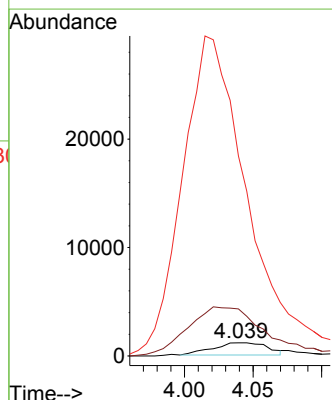
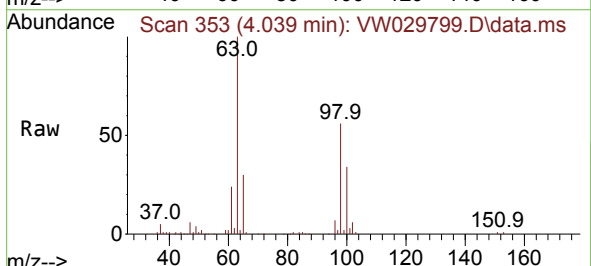
Tgt Ion: 96 Resp: 3124

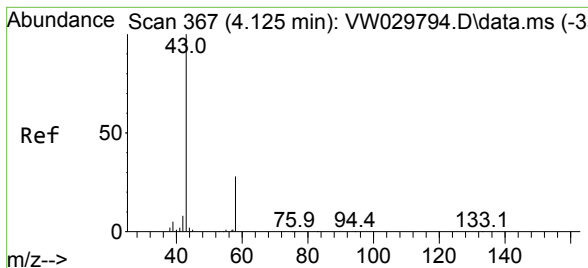
Ion Ratio Lower Upper

96 100

61 358.4 138.3 256.9#

63 1524.0 89.0 165.4#





#13

Acetone

Concen: 0.855 ug/L

RT: 4.119 min Scan# 3

Delta R.T. -0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

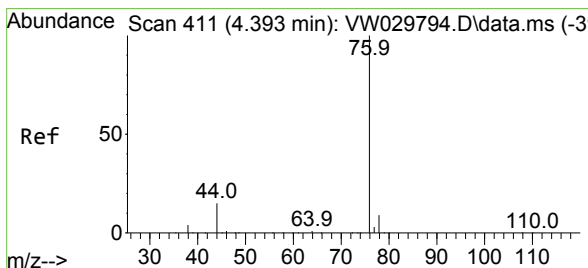
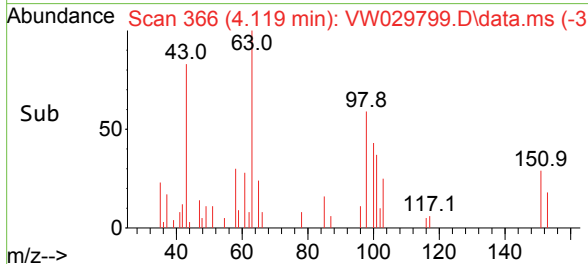
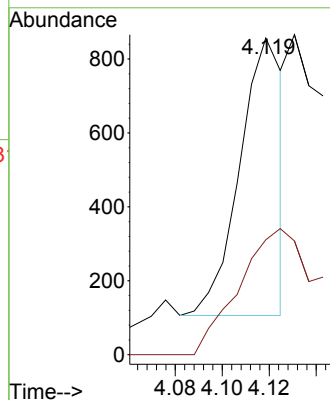
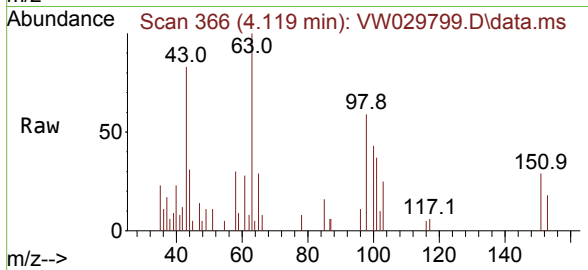
MDL-SOIL-QT3-2024-05

Tgt Ion: 43 Resp: 957

Ion Ratio Lower Upper

43 100

58 67.8 0.0 57.6#



#14

Carbon disulfide

Concen: 1.145 ug/L

RT: 4.381 min Scan# 409

Delta R.T. -0.012 min

Lab File: VW029799.D

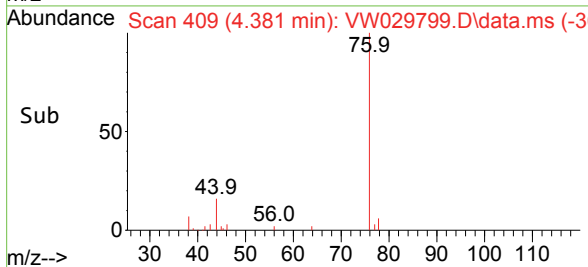
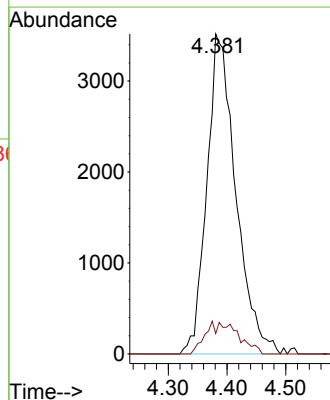
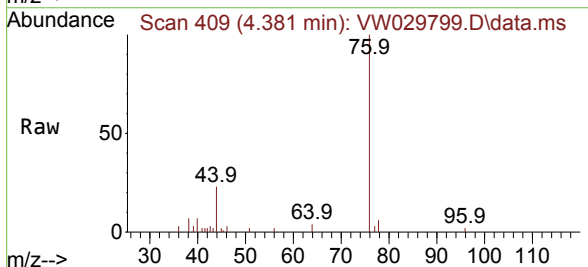
Acq: 30 Jul 2024 12:41

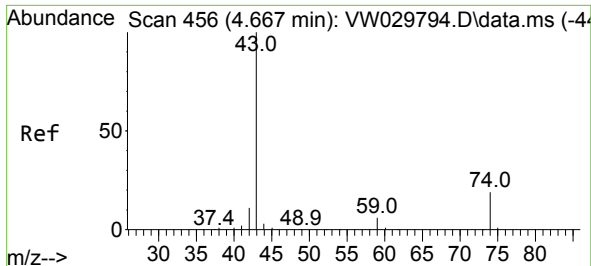
Tgt Ion: 76 Resp: 12051

Ion Ratio Lower Upper

76 100

78 6.4 7.6 11.4#

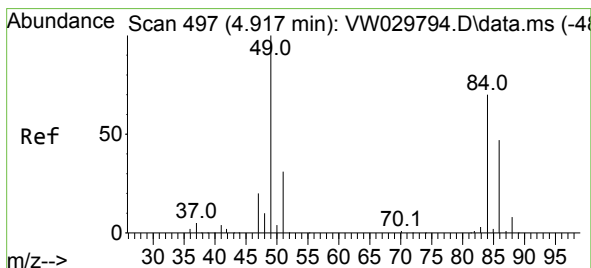
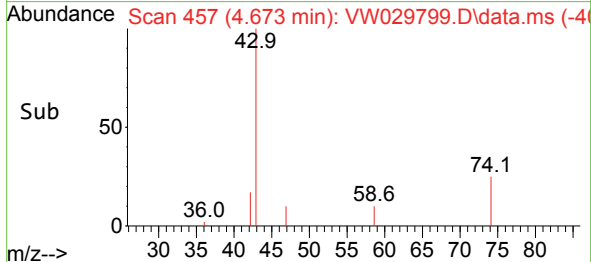
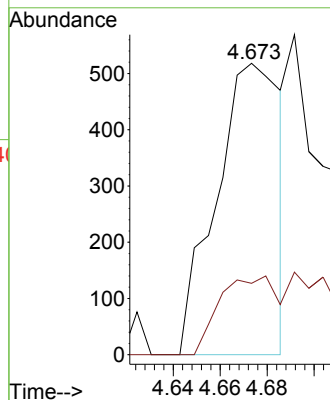
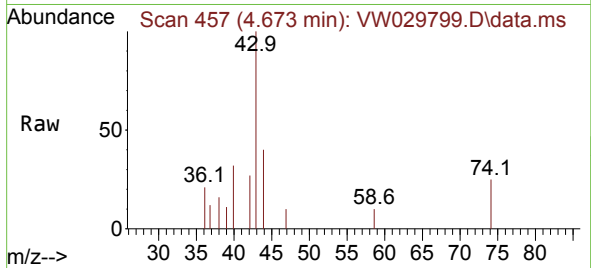




#15  
Methyl Acetate  
Concen: 0.530 ug/L  
RT: 4.673 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

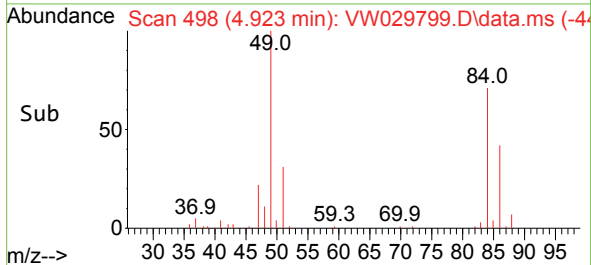
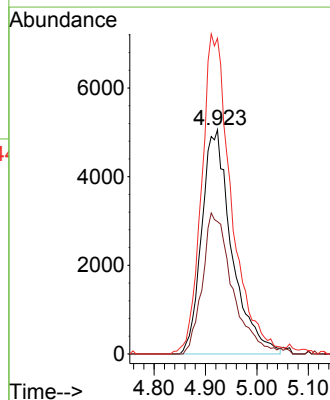
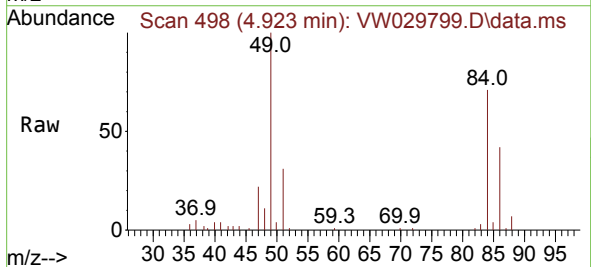
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT3-2024-05

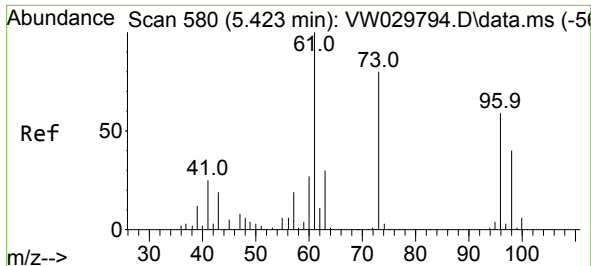
Tgt Ion: 43 Resp: 987  
Ion Ratio Lower Upper  
43 100  
74 24.2 16.5 24.7



#16  
Methylene chloride  
Concen: 4.237 ug/L  
RT: 4.923 min Scan# 498  
Delta R.T. 0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

Tgt Ion: 84 Resp: 20499  
Ion Ratio Lower Upper  
84 100  
86 59.0 44.7 82.9  
49 140.8 99.0 184.0





#17

trans-1,2-Dichloroethene

Concen: 1.113 ug/L

RT: 5.423 min Scan# 580

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

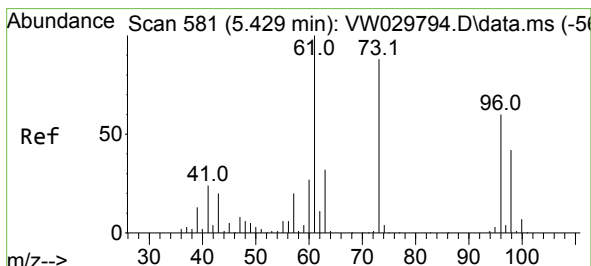
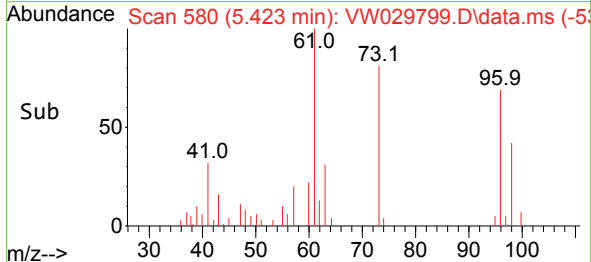
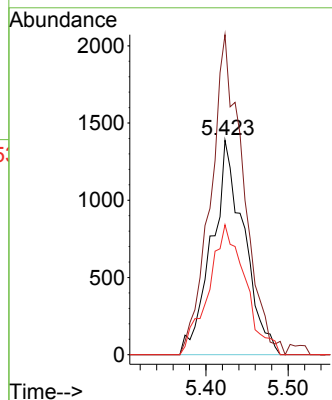
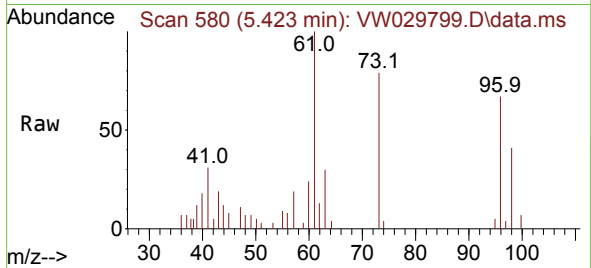
Tgt Ion: 96 Resp: 3793

Ion Ratio Lower Upper

96 100

61 149.3 111.2 206.6

98 60.6 45.0 83.6



#18

Methyl tert-butyl Ether

Concen: 0.966 ug/L

RT: 5.423 min Scan# 580

Delta R.T. -0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

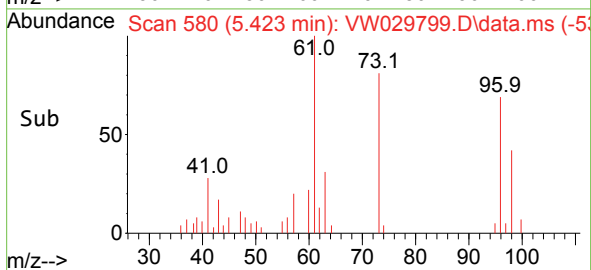
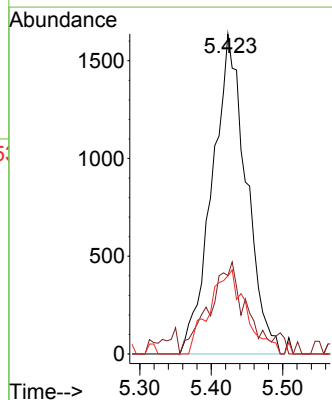
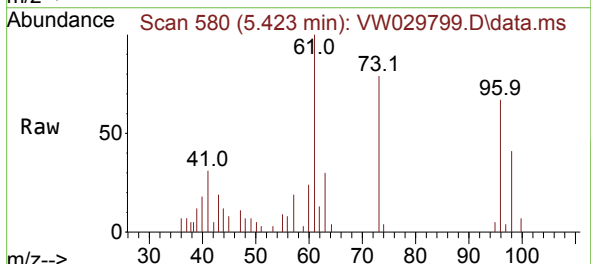
Tgt Ion: 73 Resp: 5425

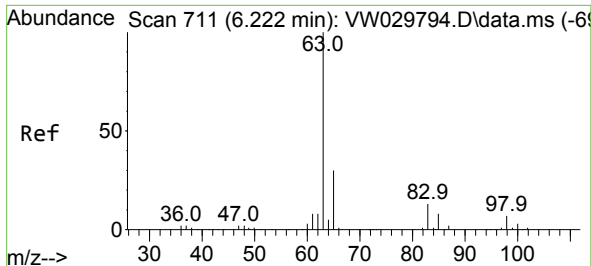
Ion Ratio Lower Upper

73 100

43 3.1 18.3 27.5#

57 9.9 17.9 26.9#





#19

1,1-Dichloroethane

Concen: 1.113 ug/L

RT: 6.216 min Scan# 711

Delta R.T. -0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

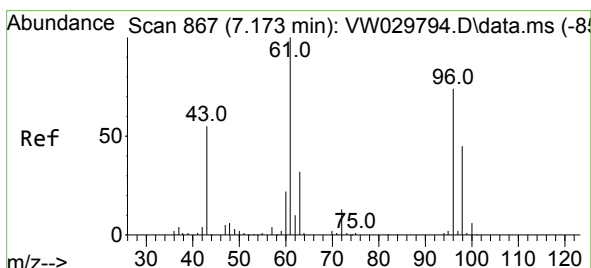
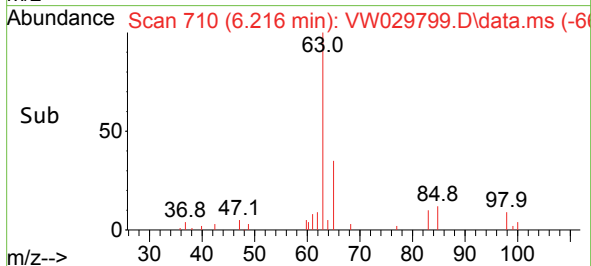
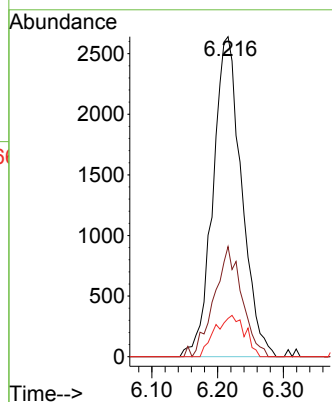
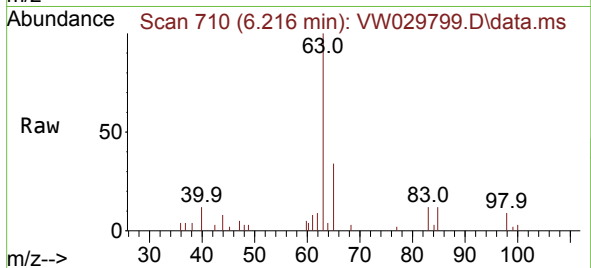
Tgt Ion: 63 Resp: 7999

Ion Ratio Lower Upper

63 100

65 34.4 22.3 41.3

83 12.0 8.5 15.7



#20

cis-1,2-Dichloroethene

Concen: 1.058 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

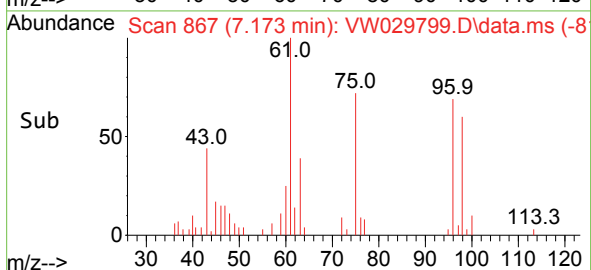
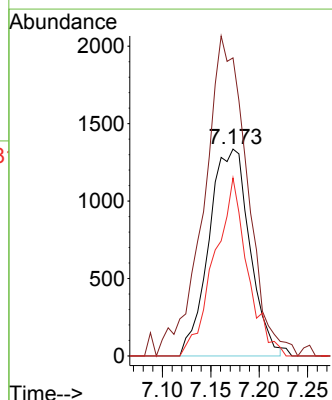
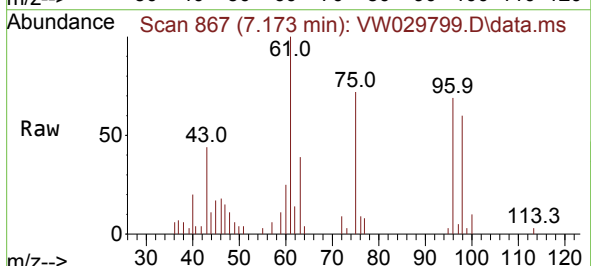
Tgt Ion: 96 Resp: 3910

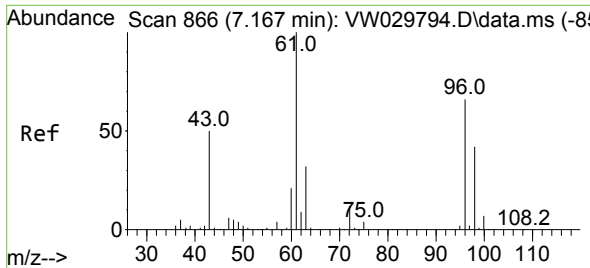
Ion Ratio Lower Upper

96 100

61 144.0 98.2 182.4

98 86.1 41.9 77.9#

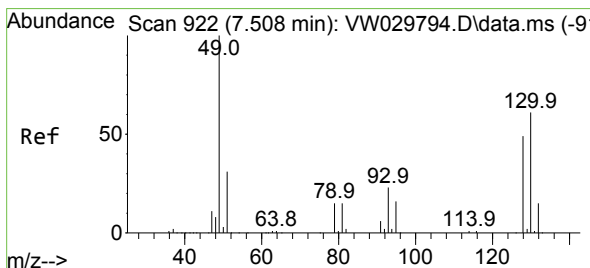
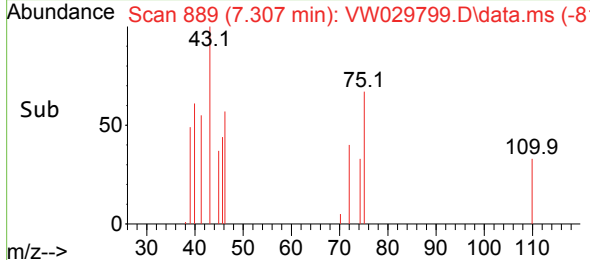
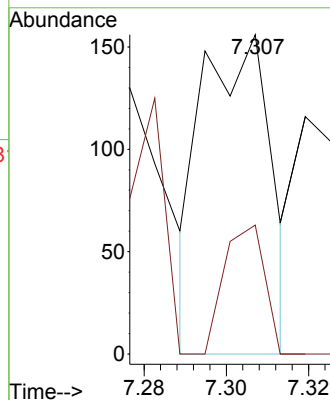
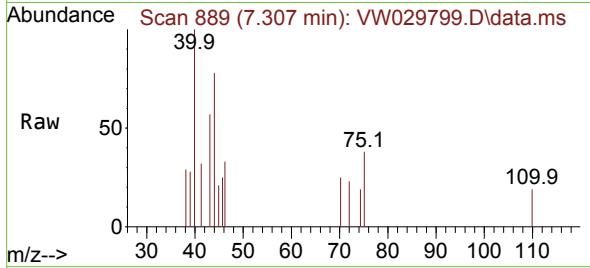




#22  
2-Butanone  
Concen: 0.126 ug/L  
RT: 7.307 min Scan# 866  
Delta R.T. 0.140 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

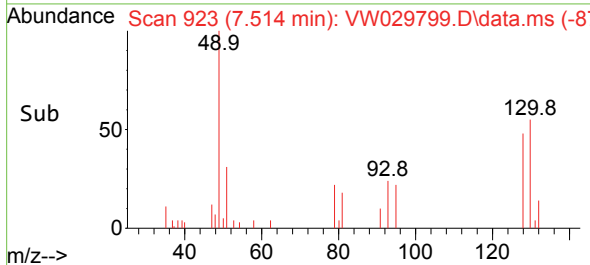
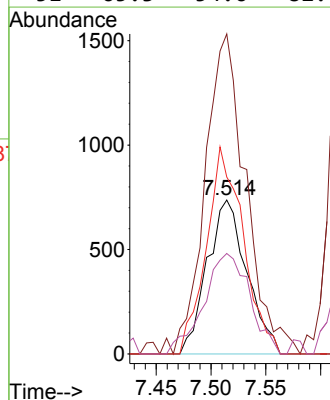
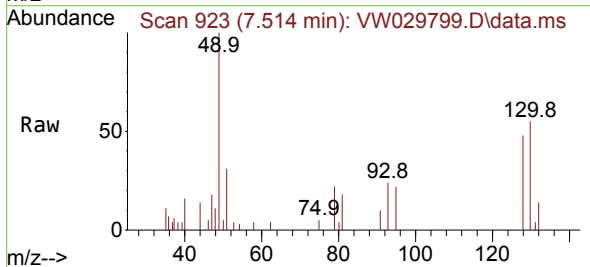
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT3-2024-05

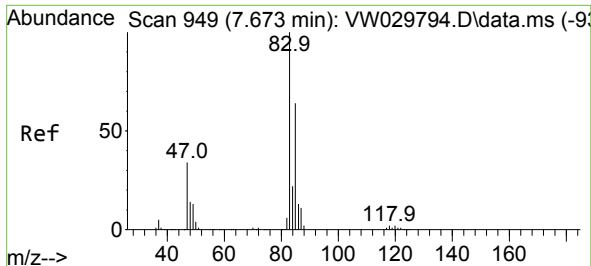
Tgt Ion: 43 Resp: 181  
Ion Ratio Lower Upper  
43 100  
72 23.8 11.7 35.1



#23  
Bromochloromethane  
Concen: 1.183 ug/L  
RT: 7.514 min Scan# 923  
Delta R.T. 0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

Tgt Ion: 128 Resp: 1856  
Ion Ratio Lower Upper  
128 100  
49 207.9 151.1 280.7  
130 114.9 96.8 179.8  
51 65.3 54.6 82.0

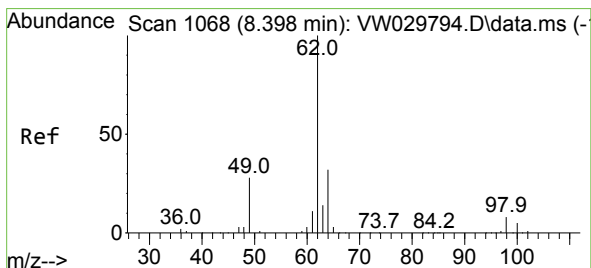
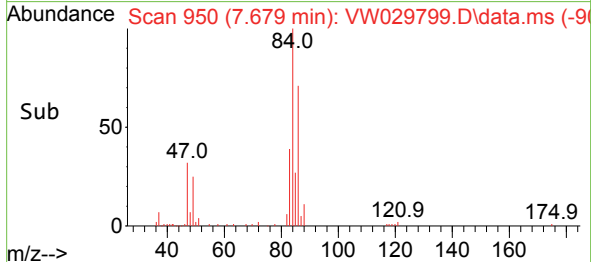
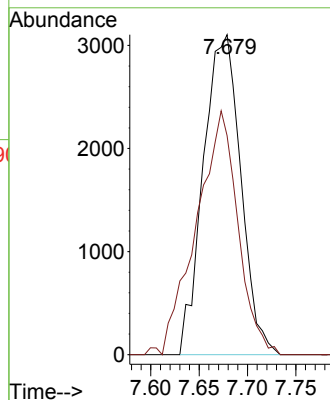
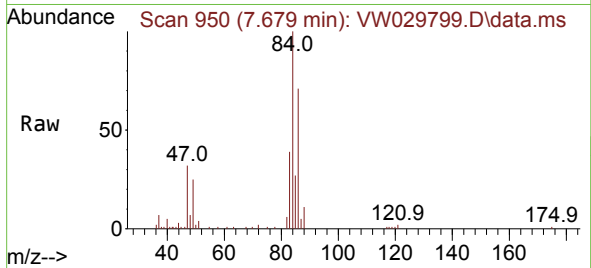




#25  
Chloroform  
Concen: 1.234 ug/L  
RT: 7.679 min Scan# 949  
Delta R.T. 0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

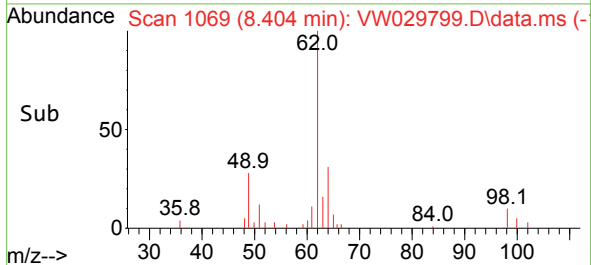
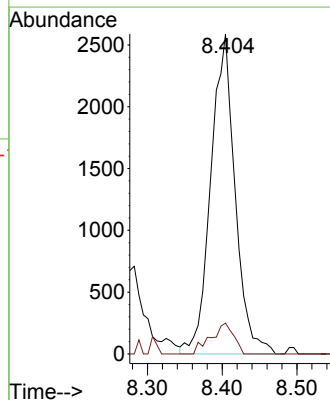
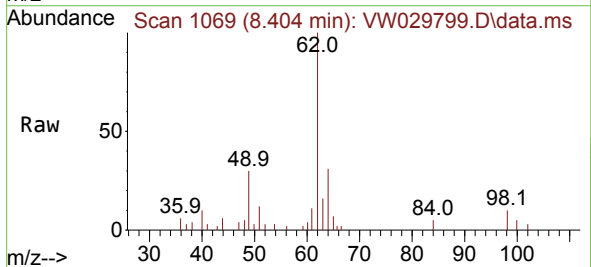
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT3-2024-05

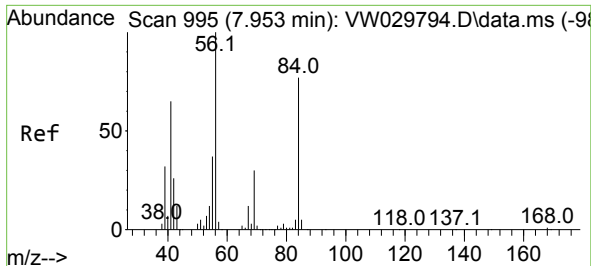
Tgt Ion: 83 Resp: 8356  
Ion Ratio Lower Upper  
83 100  
85 68.4 44.4 82.4



#27  
1,2-Dichloroethane  
Concen: 1.188 ug/L  
RT: 8.404 min Scan# 1069  
Delta R.T. 0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

Tgt Ion: 62 Resp: 5862  
Ion Ratio Lower Upper  
62 100  
98 9.7 6.6 10.0





#29

Cyclohexane

Concen: 0.733 ug/L

RT: 7.959 min Scan# 995

Delta R.T. 0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

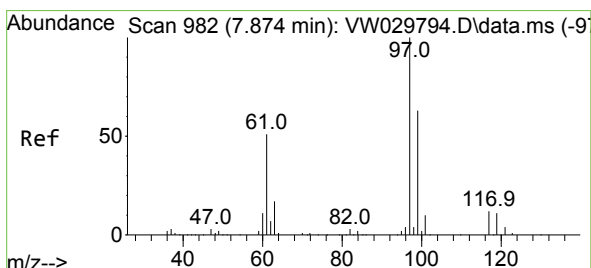
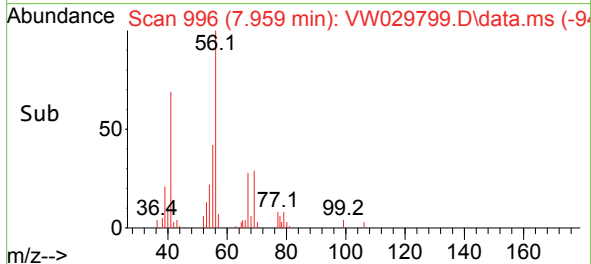
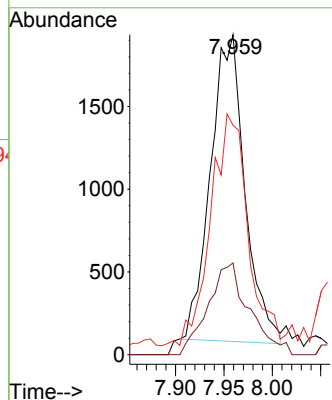
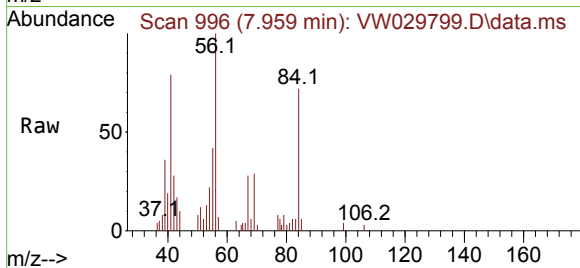
Tgt Ion: 56 Resp: 4570

Ion Ratio Lower Upper

56 100

69 35.2 23.0 34.4#

84 83.9 63.5 95.3



#30

1,1,1-Trichloroethane

Concen: 1.039 ug/L

RT: 7.868 min Scan# 981

Delta R.T. -0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

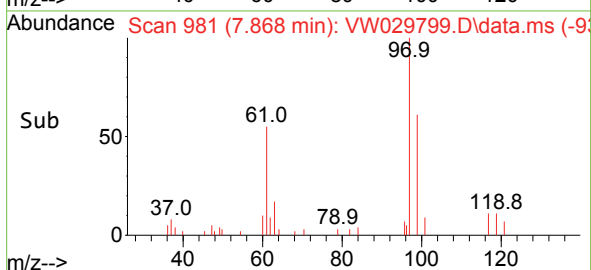
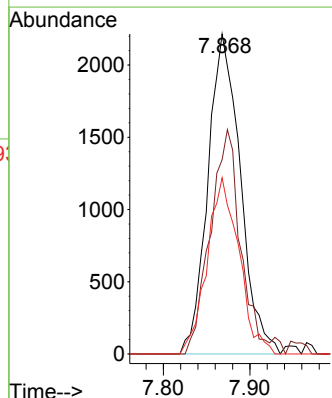
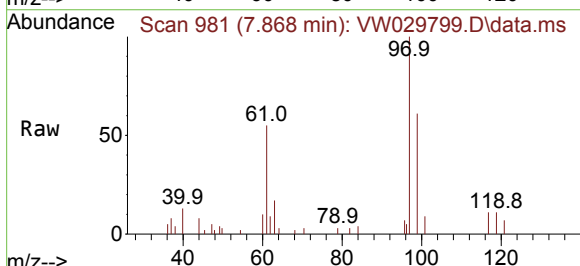
Tgt Ion: 97 Resp: 5773

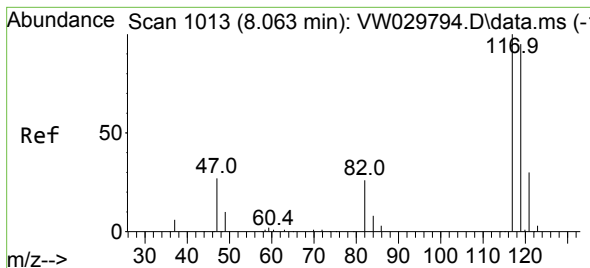
Ion Ratio Lower Upper

97 100

99 65.3 52.1 78.1

61 54.1 42.6 63.8

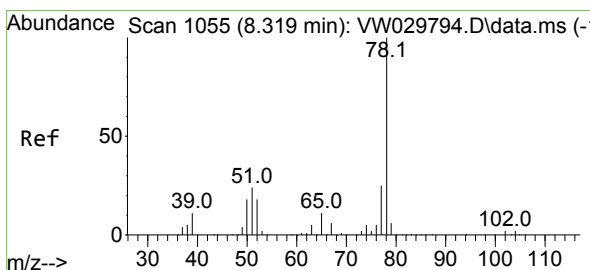
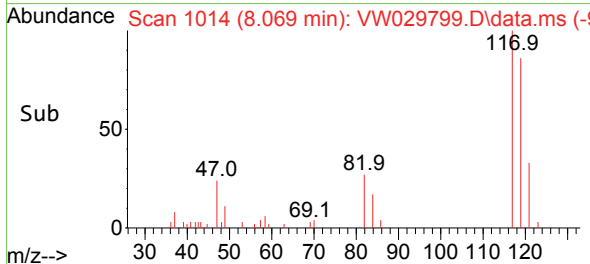
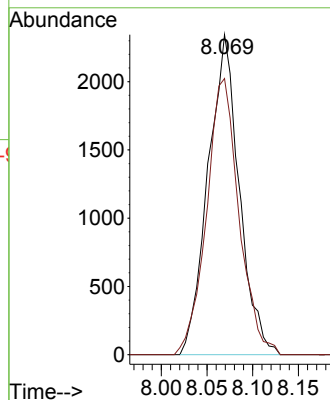
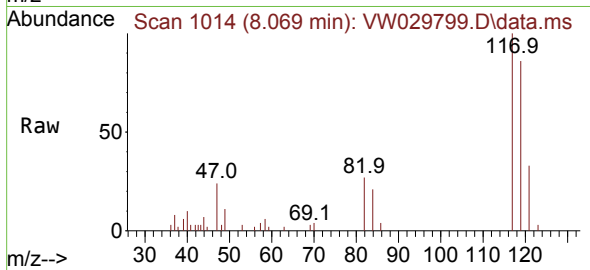




#31  
Carbon tetrachloride  
Concen: 1.112 ug/L  
RT: 8.069 min Scan# 1013  
Delta R.T. 0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

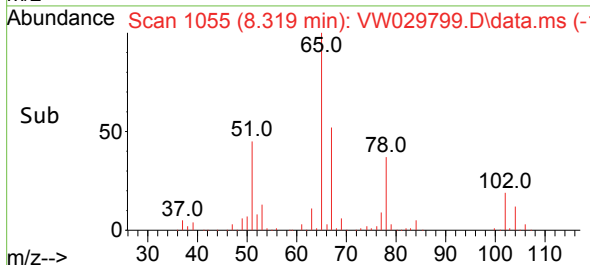
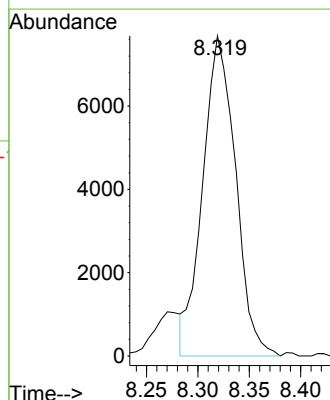
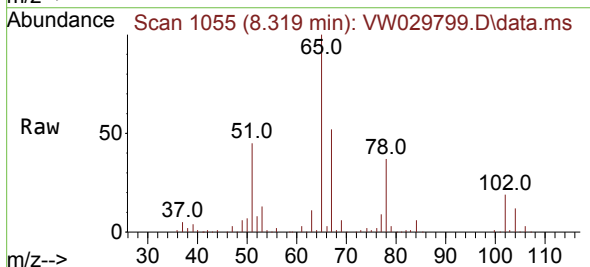
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT3-2024-05

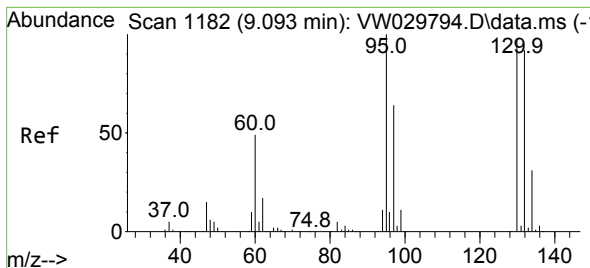
Tgt Ion:117 Resp: 5569  
Ion Ratio Lower Upper  
117 100  
119 89.6 74.8 112.2



#33  
Benzene  
Concen: 1.134 ug/L  
RT: 8.319 min Scan# 1055  
Delta R.T. 0.000 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

Tgt Ion: 78 Resp: 17052





#34

Trichloroethene

Concen: 1.117 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW029799.D

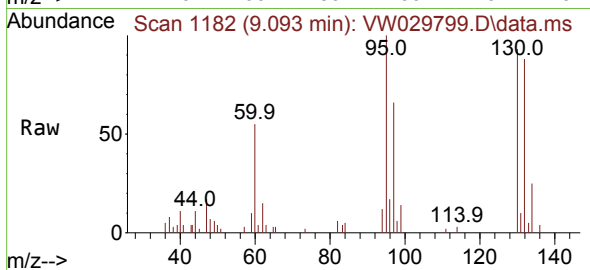
Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05



Tgt Ion: 95 Resp: 4403

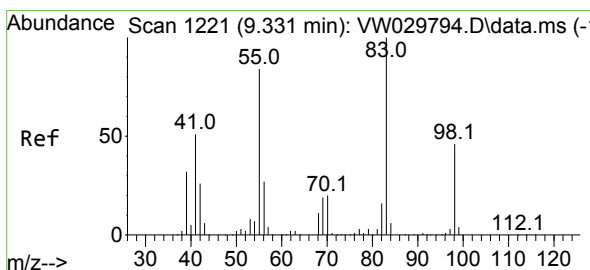
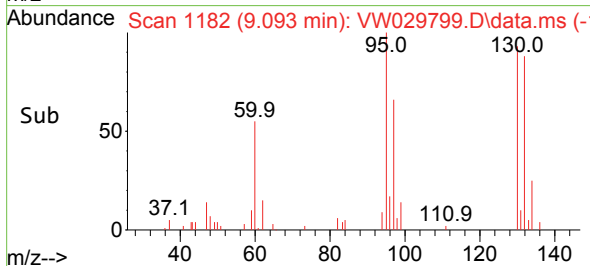
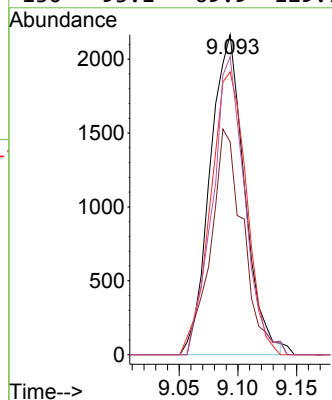
Ion Ratio Lower Upper

95 100

97 66.5 45.6 84.8

132 88.4 65.2 121.0

130 93.1 69.9 129.7



#35

Methylcyclohexane

Concen: 0.872 ug/L

RT: 9.331 min Scan# 1221

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

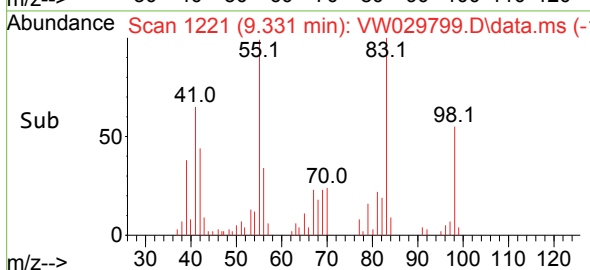
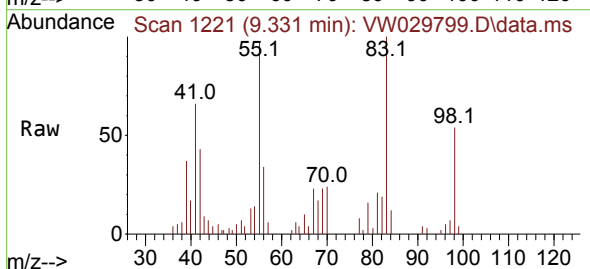
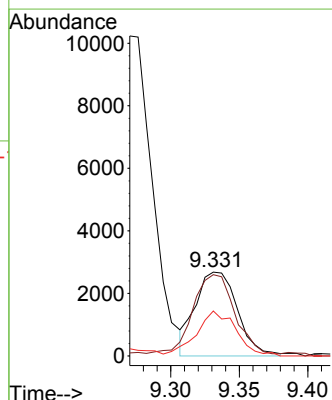
Tgt Ion: 83 Resp: 5726

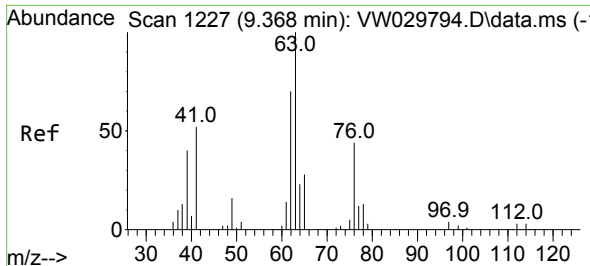
Ion Ratio Lower Upper

83 100

55 99.1 67.4 101.2

98 50.7 36.7 55.1

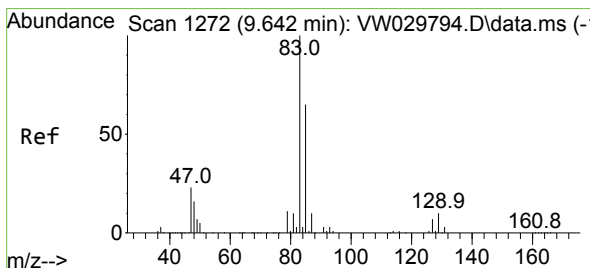
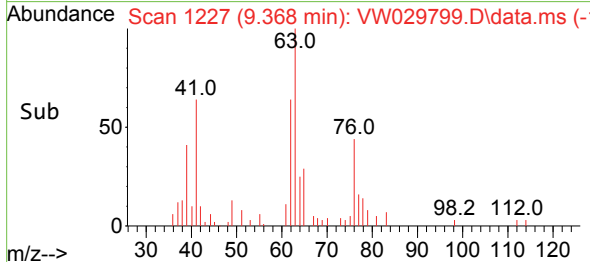
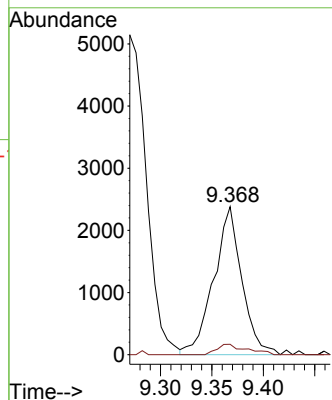
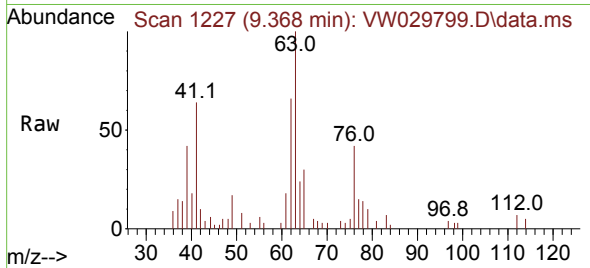




#37  
1,2-Dichloropropane  
Concen: 1.099 ug/L  
RT: 9.368 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

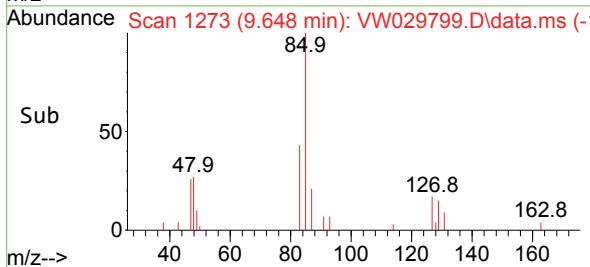
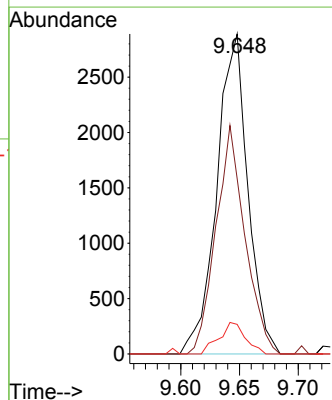
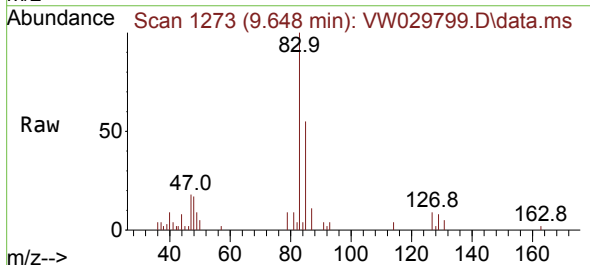
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT3-2024-05

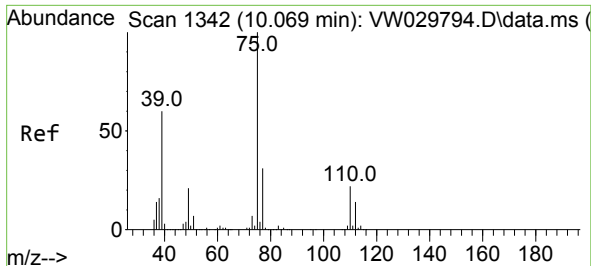
Tgt Ion: 63 Resp: 4528  
Ion Ratio Lower Upper  
63 100  
112 5.3 3.3 4.9#



#38  
Bromodichloromethane  
Concen: 1.082 ug/L  
RT: 9.648 min Scan# 1273  
Delta R.T. 0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

Tgt Ion: 83 Resp: 5309  
Ion Ratio Lower Upper  
83 100  
85 54.8 46.6 86.6  
127 9.2 5.9 8.9#





#39

cis-1,3-Dichloropropene

Concen: 0.983 ug/L

RT: 10.069 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

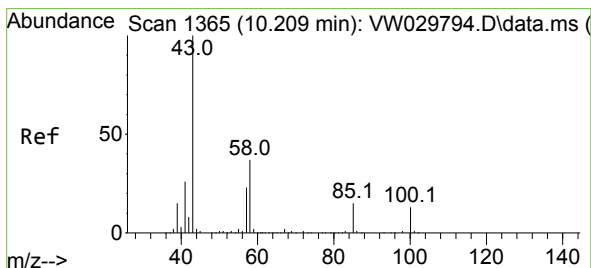
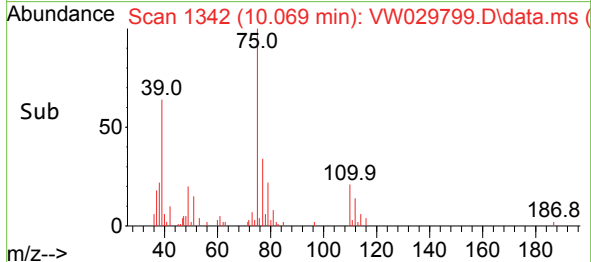
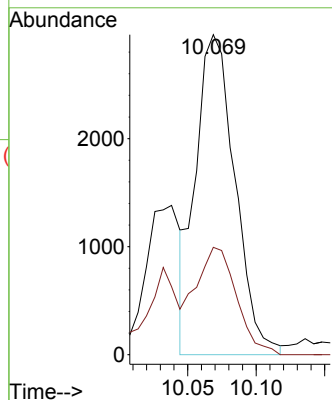
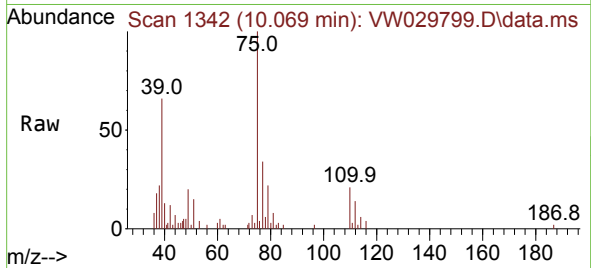
MDL-SOIL-QT3-2024-05

Tgt Ion: 75 Resp: 5901

Ion Ratio Lower Upper

75 100

77 33.5 20.8 38.6



#40

4-Methyl-2-pentanone

Concen: 1.819 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

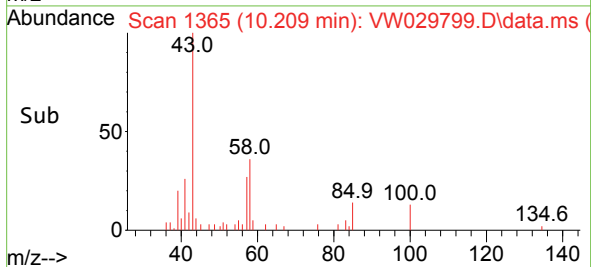
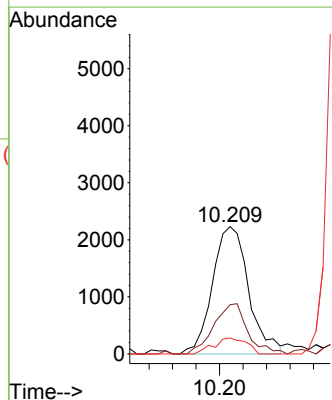
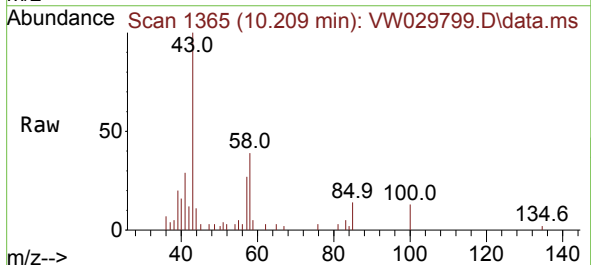
Tgt Ion: 43 Resp: 4763

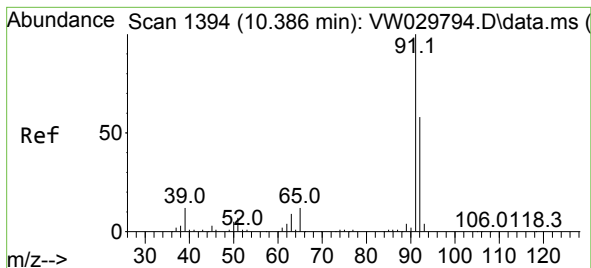
Ion Ratio Lower Upper

43 100

58 36.8 28.7 43.1

100 11.5 10.0 15.0





#42

Toluene

Concen: 1.091 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

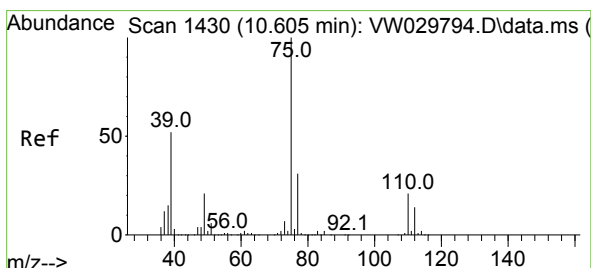
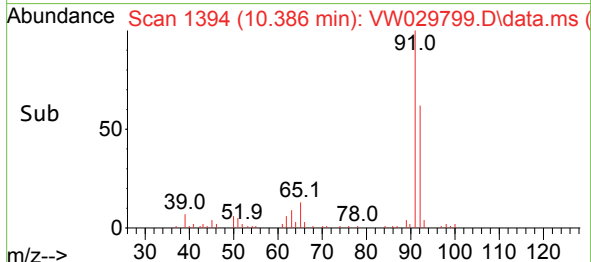
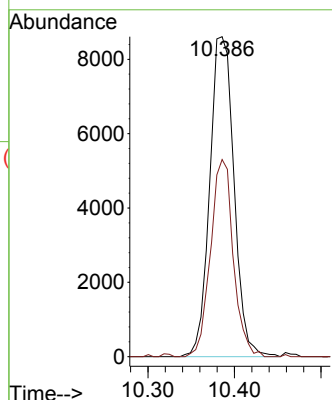
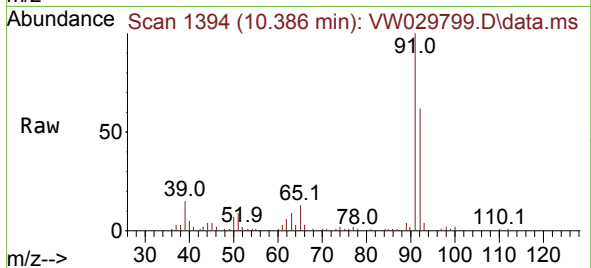
MDL-SOIL-QT3-2024-05

Tgt Ion: 91 Resp: 16754

Ion Ratio Lower Upper

91 100

92 61.6 39.5 73.4



#44

trans-1,3-Dichloropropene

Concen: 1.360 ug/L

RT: 10.605 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VW029799.D

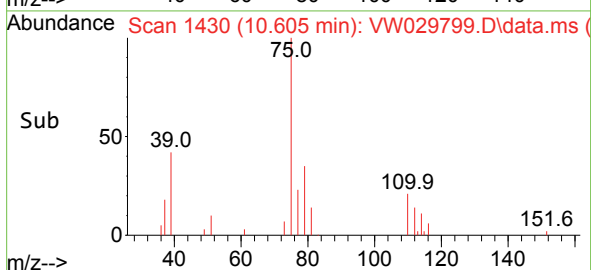
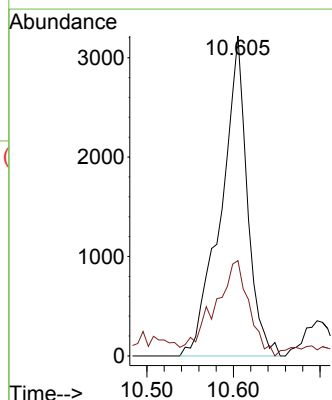
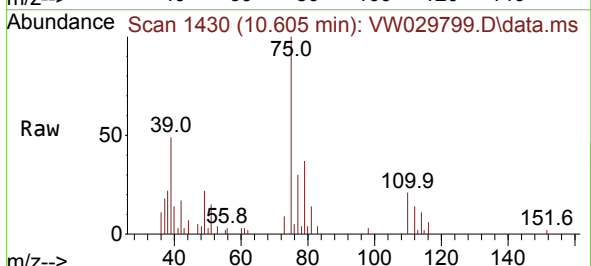
Acq: 30 Jul 2024 12:41

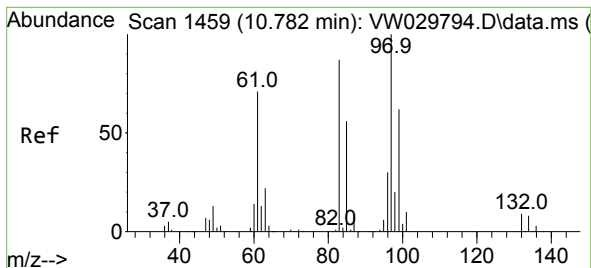
Tgt Ion: 75 Resp: 6777

Ion Ratio Lower Upper

75 100

77 29.8 22.0 41.0





#45

1,1,2-Trichloroethane

Concen: 1.090 ug/L

RT: 10.788 min Scan# 1459

Delta R.T. 0.006 min

Lab File: VW029799.D

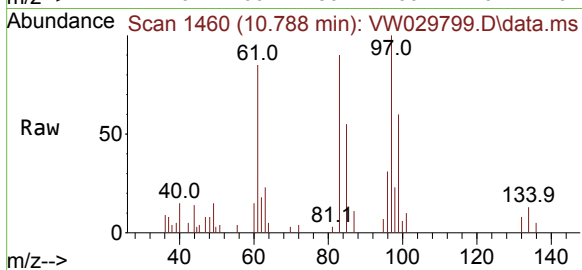
Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05



Tgt Ion: 97 Resp: 3018

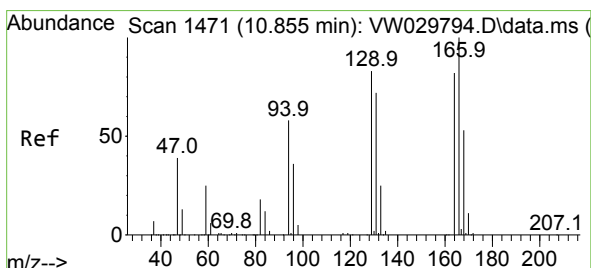
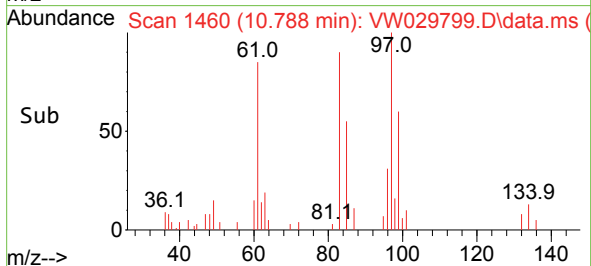
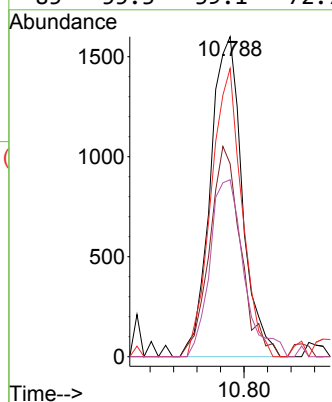
Ion Ratio Lower Upper

97 100

99 60.3 40.1 74.5

83 90.1 58.5 108.7

85 55.3 39.1 72.7



#46

Tetrachloroethene

Concen: 1.133 ug/L

RT: 10.861 min Scan# 1472

Delta R.T. 0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Tgt Ion: 164 Resp: 3246

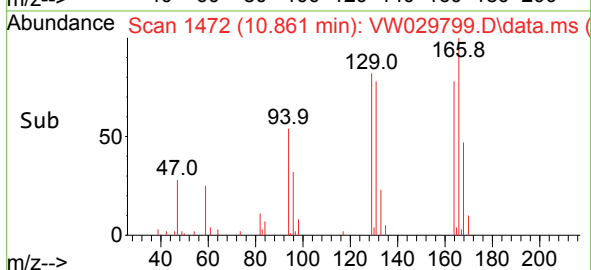
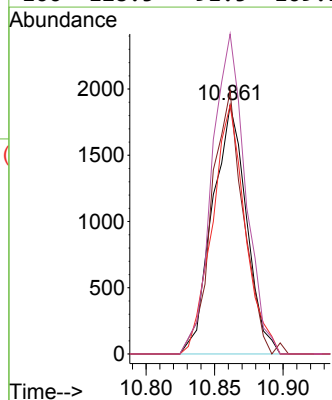
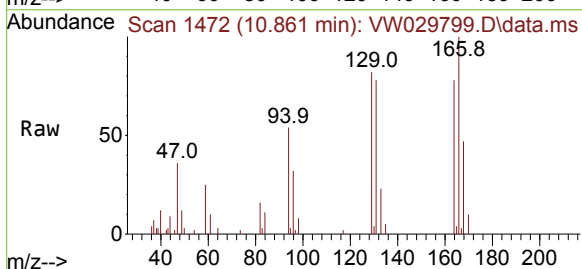
Ion Ratio Lower Upper

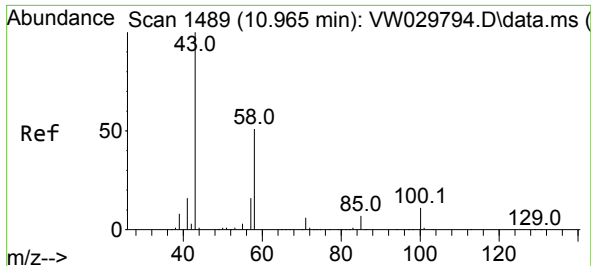
164 100

129 105.6 77.8 144.6

131 99.9 70.9 131.7

166 128.5 91.5 169.9

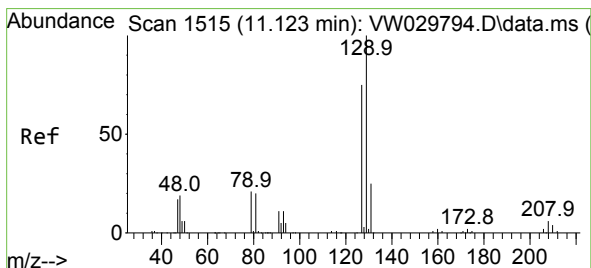
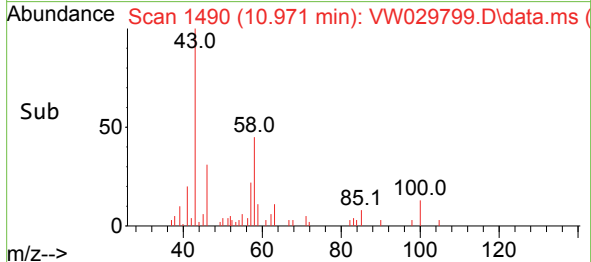
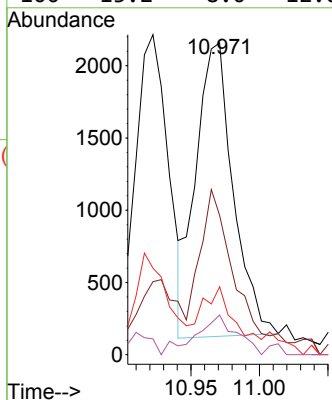
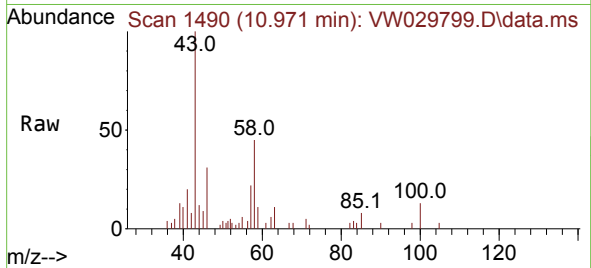




#48  
2-Hexanone  
Concen: 1.962 ug/L  
RT: 10.971 min Scan# 1489  
Delta R.T. 0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

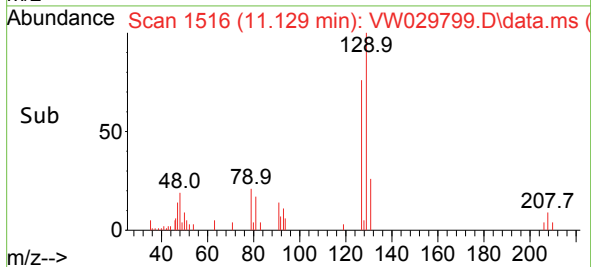
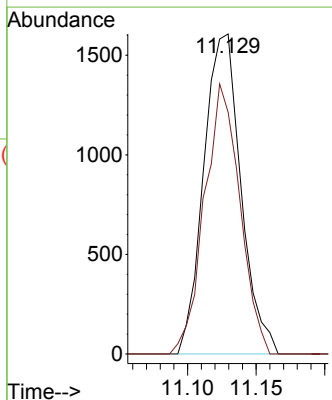
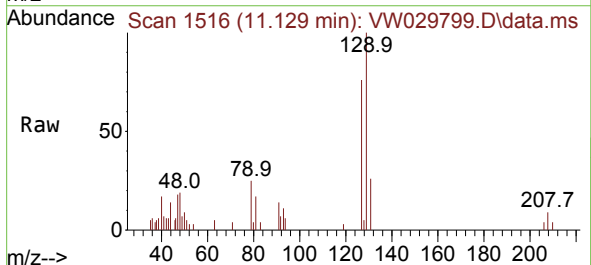
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT3-2024-05

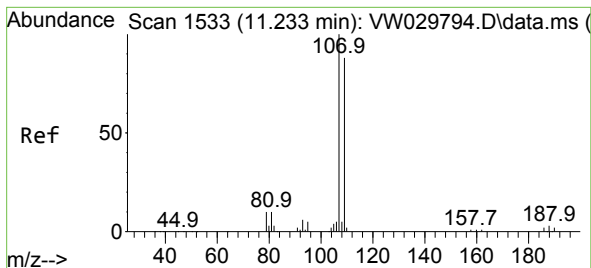
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 43 | Resp: | 3846  |       |
| Ion         | Ratio | Lower | Upper |
| 43          | 100   |       |       |
| 58          | 52.4  | 41.0  | 61.4  |
| 57          | 14.3  | 14.1  | 21.1  |
| 100         | 13.2  | 8.0   | 12.0# |



#49  
Dibromochloromethane  
Concen: 1.056 ug/L  
RT: 11.129 min Scan# 1516  
Delta R.T. 0.006 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion:129 | Resp: | 3034  |       |
| Ion         | Ratio | Lower | Upper |
| 129         | 100   |       |       |
| 127         | 75.5  | 52.4  | 97.2  |





#50

1,2-Dibromoethane

Concen: 1.132 ug/L

RT: 11.233 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

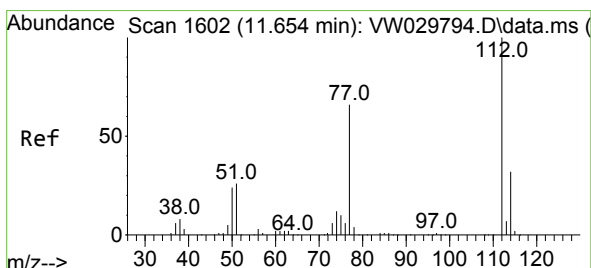
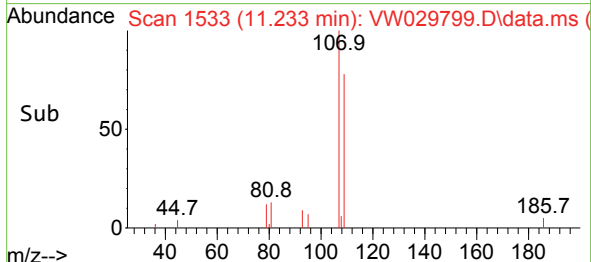
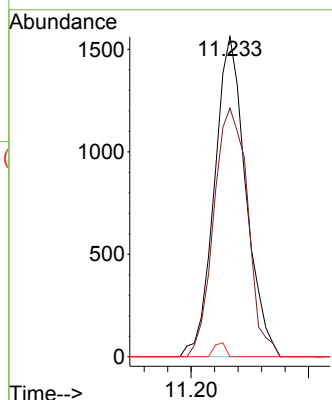
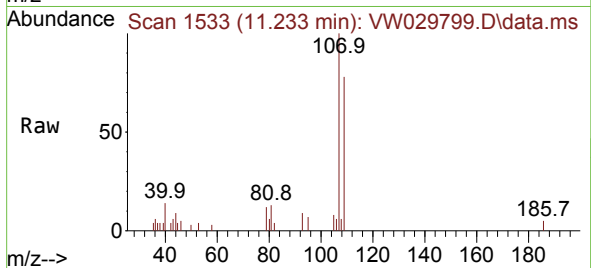
Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:107 | Resp: | 2900        |
| Ion         | Ratio | Lower Upper |
| 107         | 100   |             |
| 109         | 77.7  | 64.8 120.3  |
| 188         | 0.0   | 2.7 4.1#    |



#51

Chlorobenzene

Concen: 1.121 ug/L

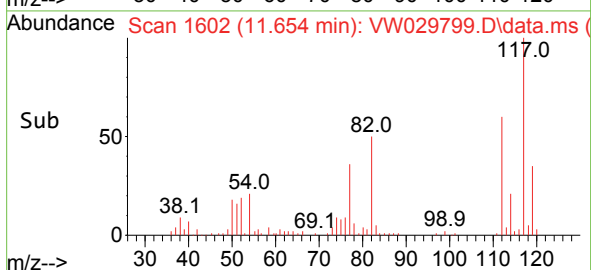
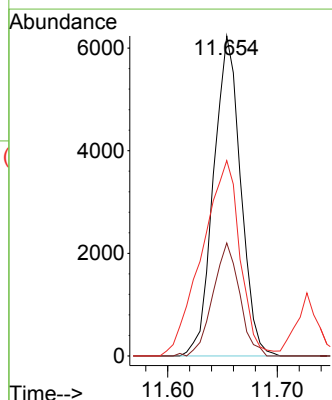
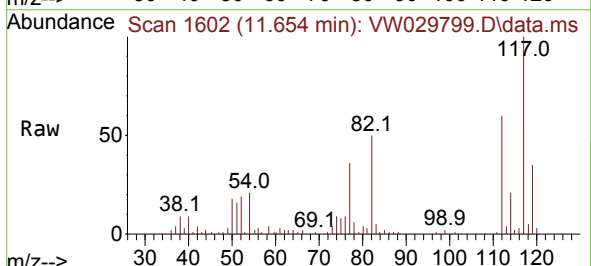
RT: 11.654 min Scan# 1602

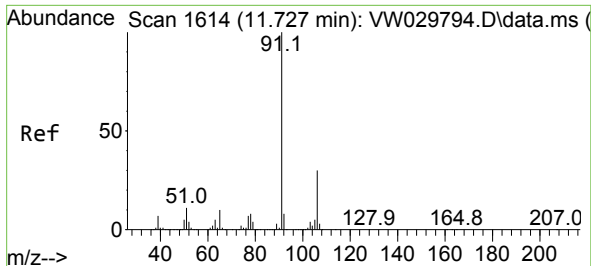
Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:112 | Resp: | 10706       |
| Ion         | Ratio | Lower Upper |
| 112         | 100   |             |
| 114         | 35.3  | 22.0 40.8   |
| 77          | 61.0  | 53.8 80.8   |

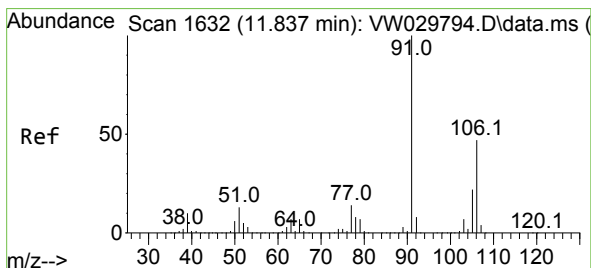
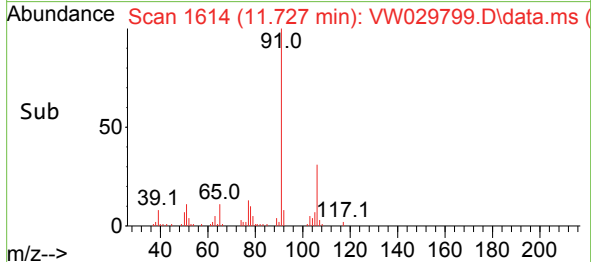
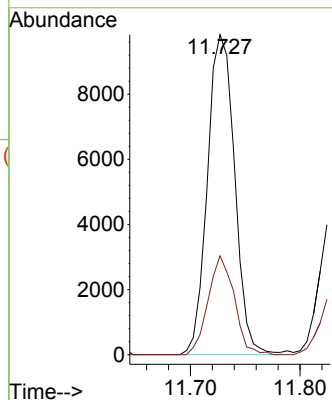
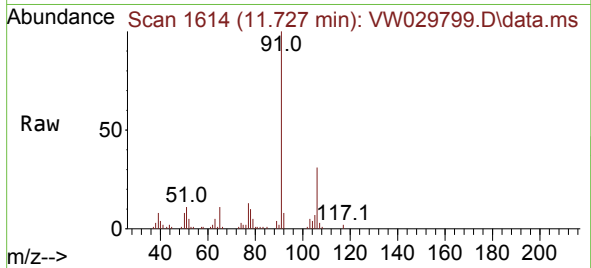




#52  
Ethylbenzene  
Concen: 0.981 ug/L  
RT: 11.727 min Scan# 1614  
Delta R.T. 0.000 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

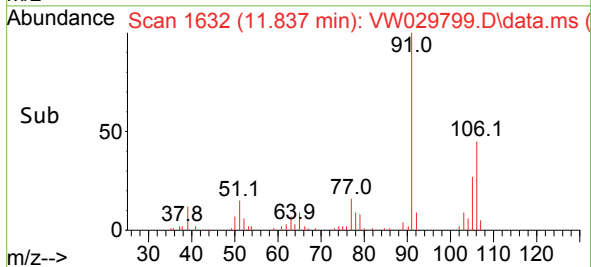
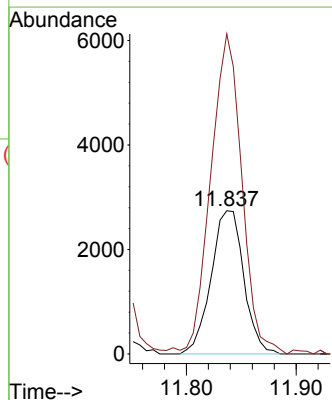
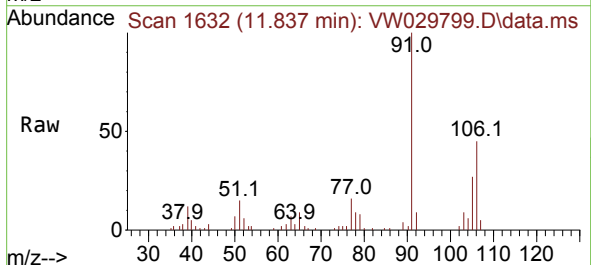
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT3-2024-05

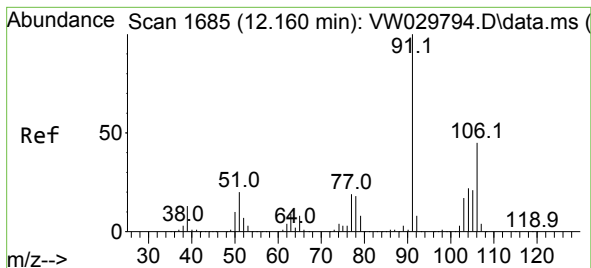
Tgt Ion: 91 Resp: 16993  
Ion Ratio Lower Upper  
91 100  
106 30.9 20.4 38.0



#53  
m,p-Xylene  
Concen: 0.892 ug/L  
RT: 11.837 min Scan# 1632  
Delta R.T. 0.000 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

Tgt Ion: 106 Resp: 5679  
Ion Ratio Lower Upper  
106 100  
91 223.6 151.4 281.2





#54

o-Xylene

Concen: 0.845 ug/L

RT: 12.166 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

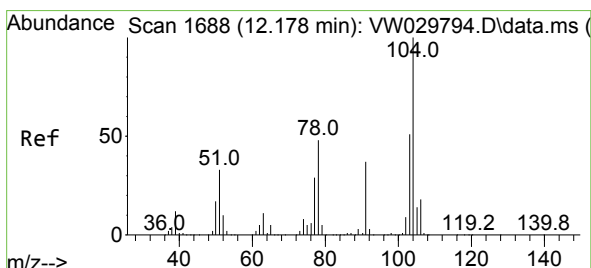
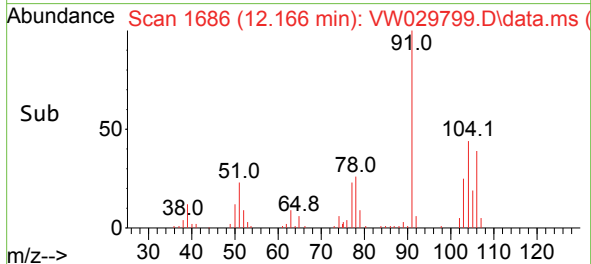
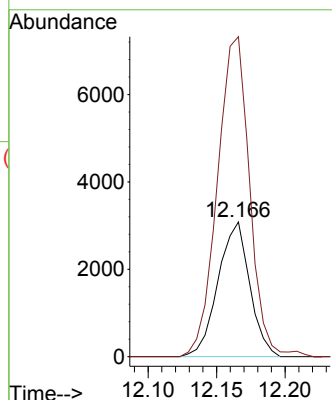
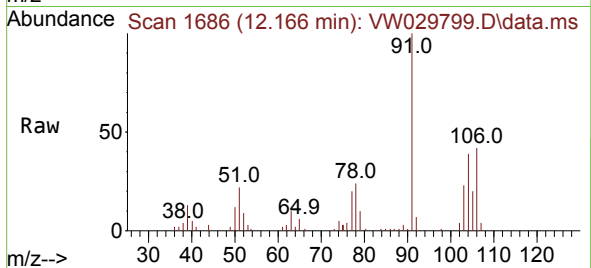
MDL-SOIL-QT3-2024-05

Tgt Ion:106 Resp: 4953

Ion Ratio Lower Upper

106 100

91 237.6 155.8 289.4



#55

Styrene

Concen: 0.842 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW029799.D

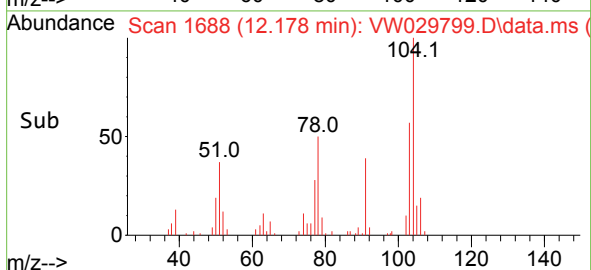
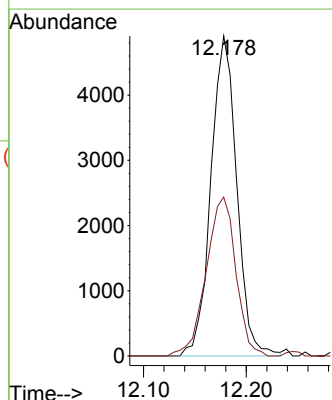
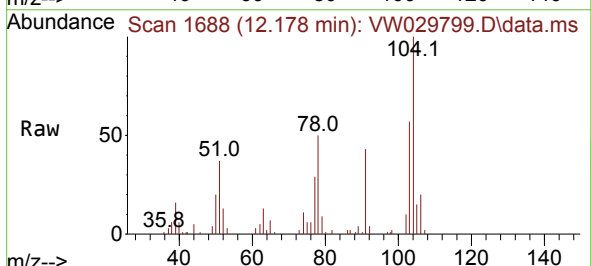
Acq: 30 Jul 2024 12:41

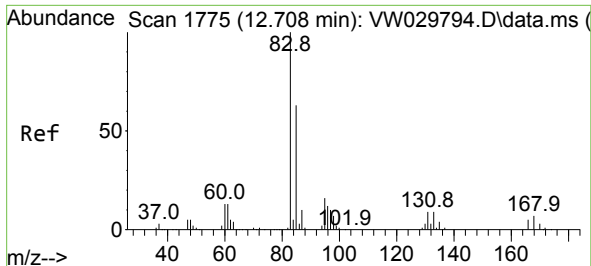
Tgt Ion:104 Resp: 8560

Ion Ratio Lower Upper

104 100

78 49.7 33.3 61.9





#57

1,1,2-Tetrachloroethane

Concen: 1.090 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

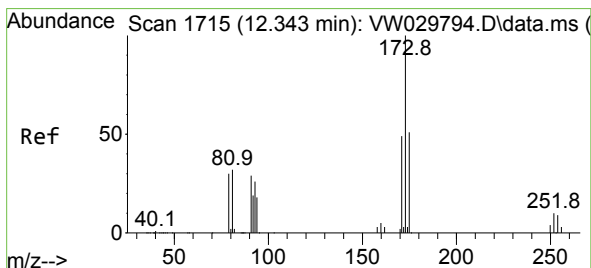
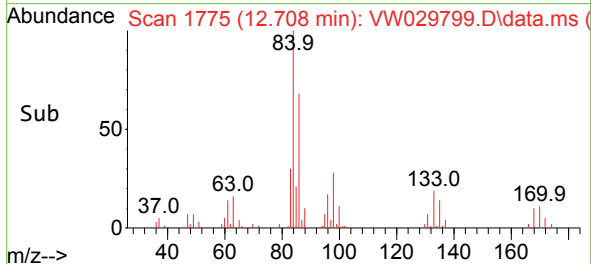
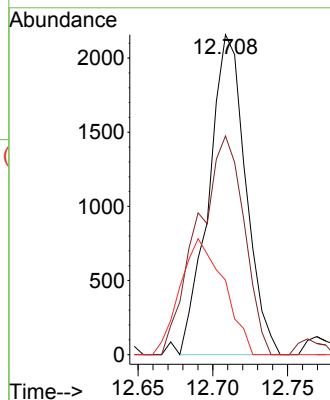
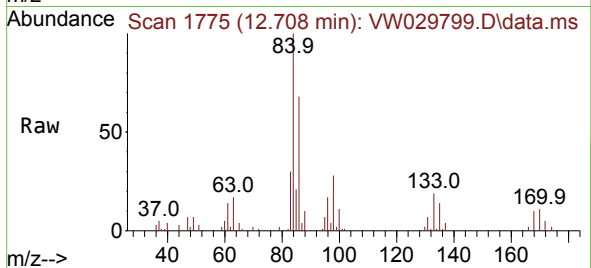
Tgt Ion: 83 Resp: 3705

Ion Ratio Lower Upper

83 100

85 68.4 44.2 82.0

131 23.3 6.2 9.2#



#59

Bromoform

Concen: 1.099 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

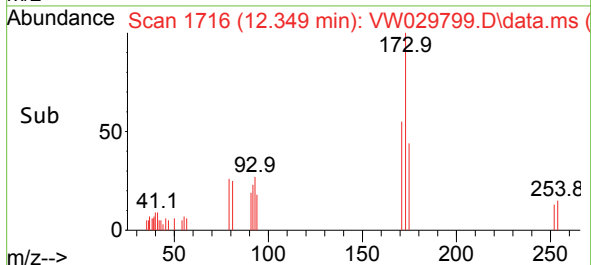
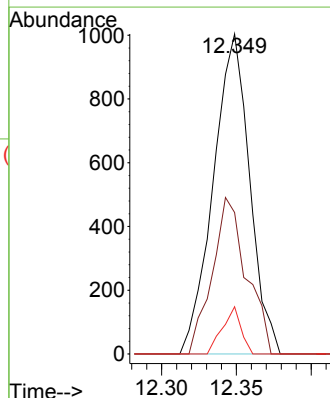
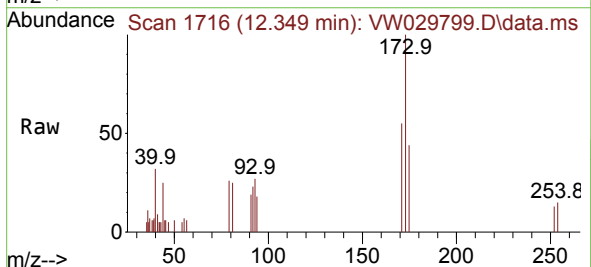
Tgt Ion:173 Resp: 1694

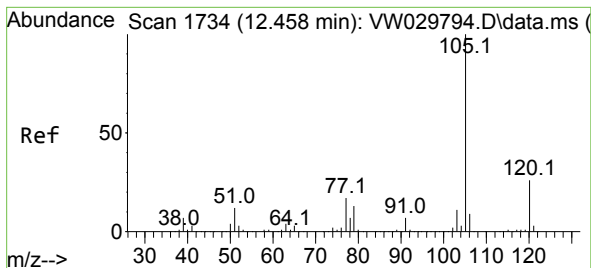
Ion Ratio Lower Upper

173 100

175 46.2 38.1 57.1

254 7.6 7.8 11.6#





#60

Isopropylbenzene

Concen: 0.855 ug/L

RT: 12.459 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW029799.D

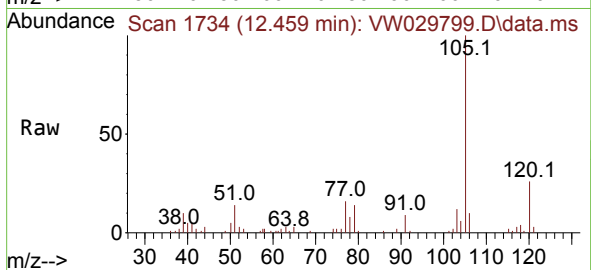
Acq: 30 Jul 2024 12:41

Instrument :

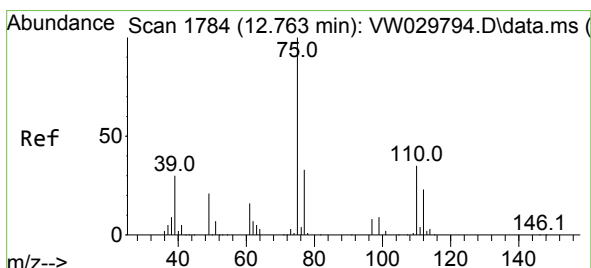
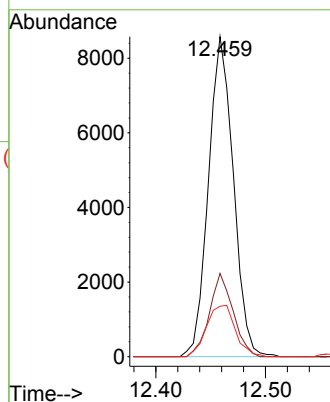
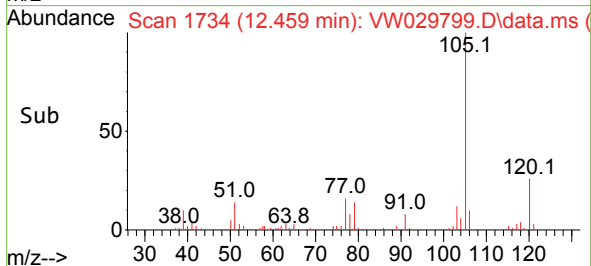
MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 13552 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 24.7  | 20.3  | 30.5  |
| 77       | 18.6  | 14.0  | 21.0  |



#61

1,2,3-Trichloropropane

Concen: 1.118 ug/L

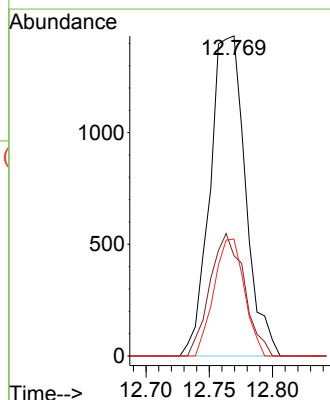
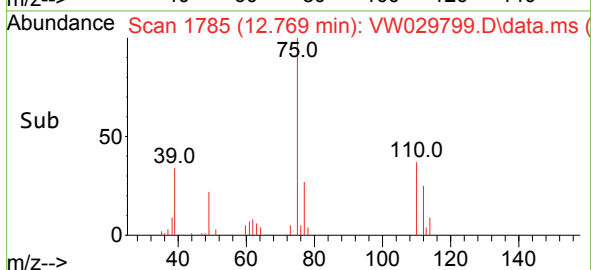
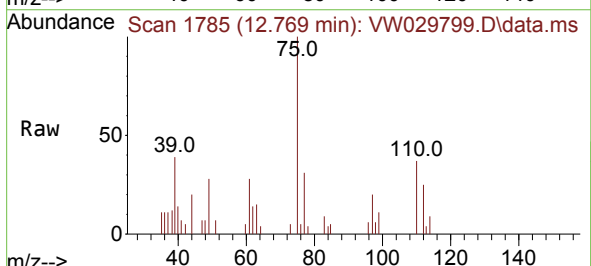
RT: 12.769 min Scan# 1785

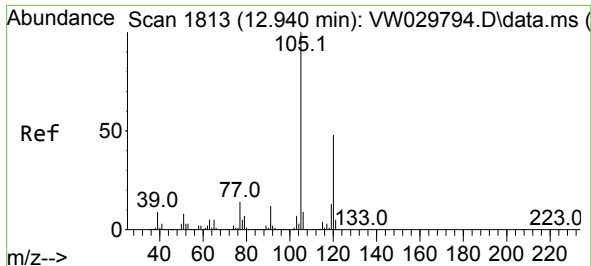
Delta R.T. 0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2785  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 37.1  | 25.4  | 38.0  |
| 110      | 31.5  | 28.6  | 43.0  |





#62

1,3,5-Trimethylbenzene

Concen: 0.894 ug/L

RT: 12.940 min Scan# 1813

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

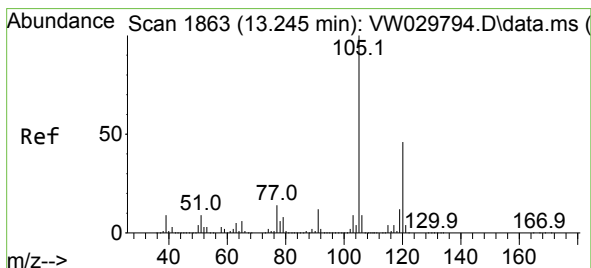
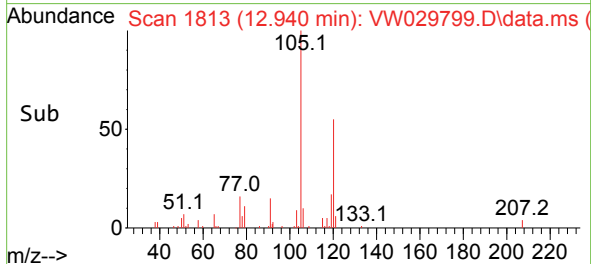
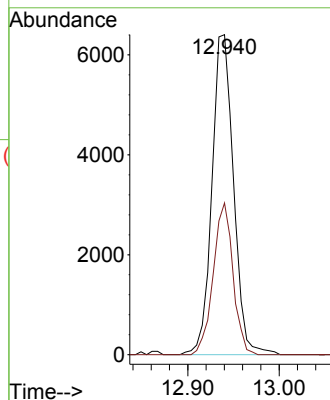
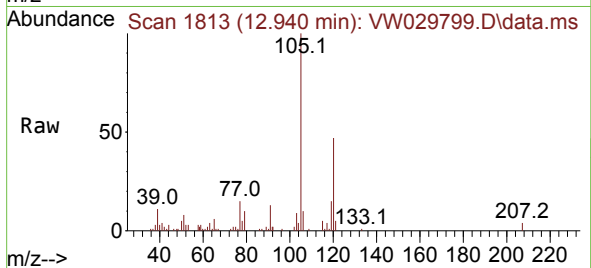
MDL-SOIL-QT3-2024-05

Tgt Ion:105 Resp: 10536

Ion Ratio Lower Upper

105 100

120 43.4 38.2 57.2



#63

1,2,4-Trimethylbenzene

Concen: 0.784 ug/L

RT: 13.245 min Scan# 1863

Delta R.T. 0.000 min

Lab File: VW029799.D

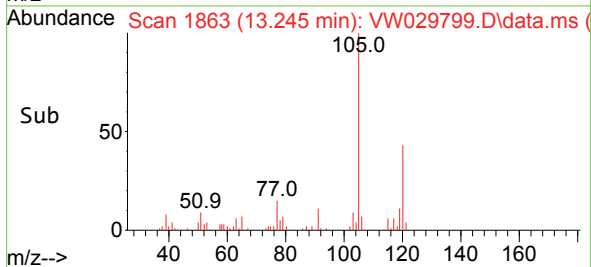
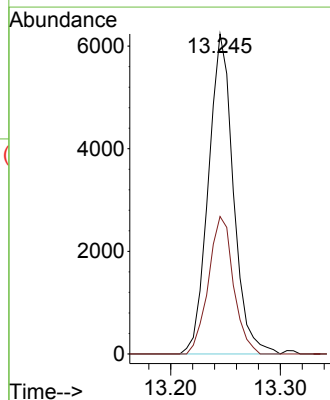
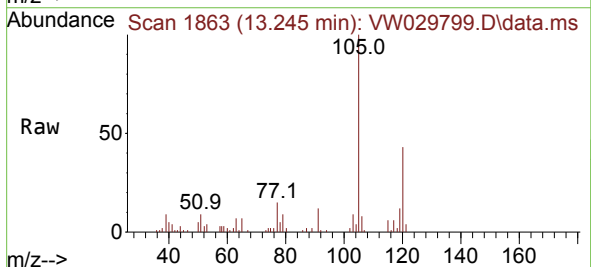
Acq: 30 Jul 2024 12:41

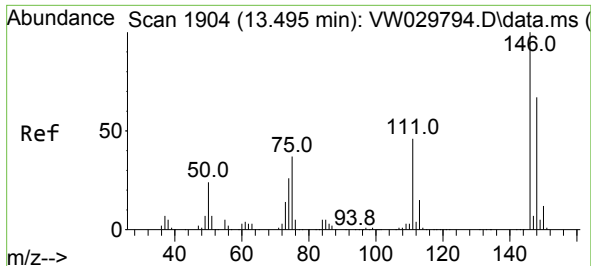
Tgt Ion:105 Resp: 9880

Ion Ratio Lower Upper

105 100

120 42.9 35.4 53.0

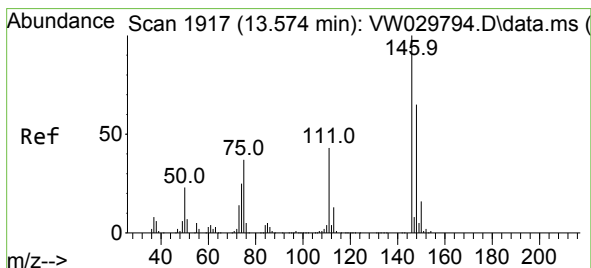
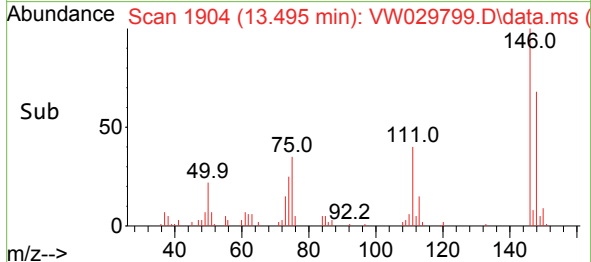
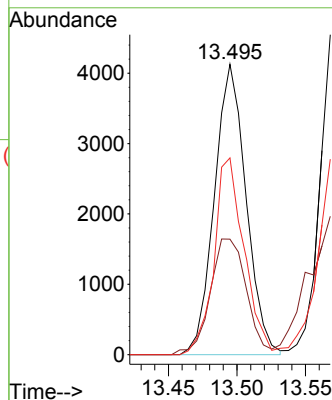
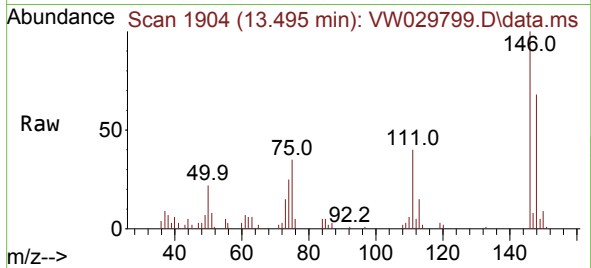




#64  
1,3-Dichlorobenzene  
Concen: 0.982 ug/L  
RT: 13.495 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

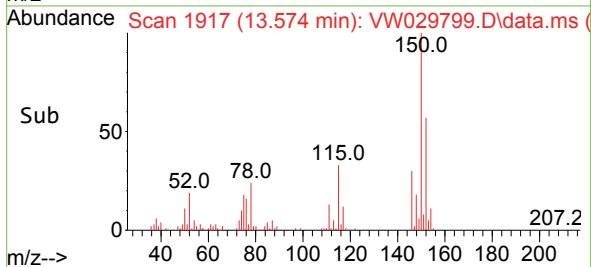
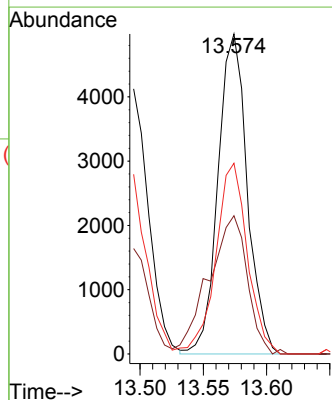
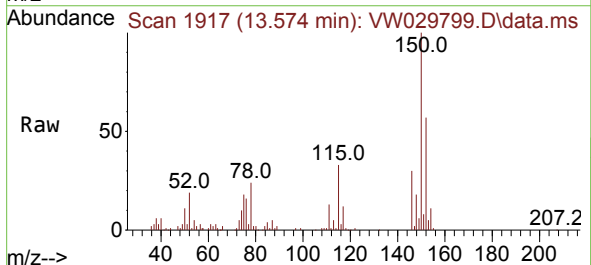
Instrument :  
MSVOA\_W  
ClientSampleId :  
MDL-SOIL-QT3-2024-05

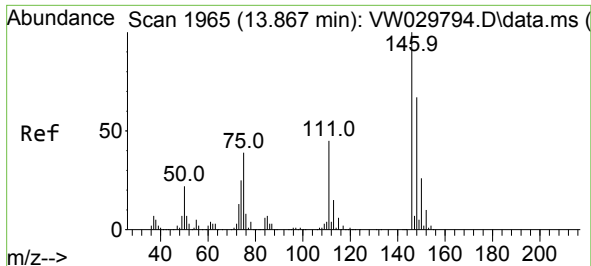
Tgt Ion:146 Resp: 6641  
Ion Ratio Lower Upper  
146 100  
111 39.8 28.7 53.3  
148 67.8 43.4 80.6



#65  
1,4-Dichlorobenzene  
Concen: 1.150 ug/L  
RT: 13.574 min Scan# 1917  
Delta R.T. 0.000 min  
Lab File: VW029799.D  
Acq: 30 Jul 2024 12:41

Tgt Ion:146 Resp: 7993  
Ion Ratio Lower Upper  
146 100  
111 43.2 30.1 55.9  
148 59.6 45.4 84.4





#67

1,2-Dichlorobenzene

Concen: 1.156 ug/L

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

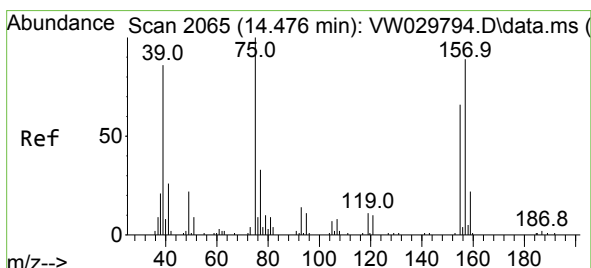
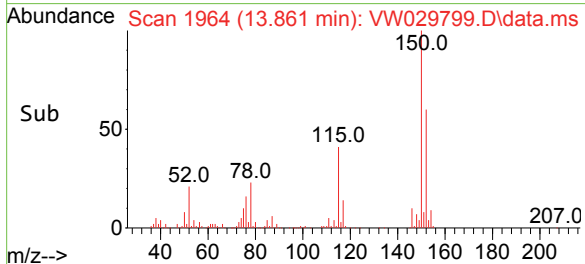
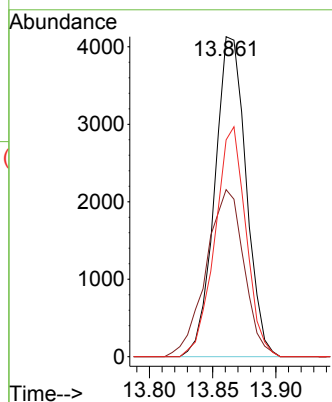
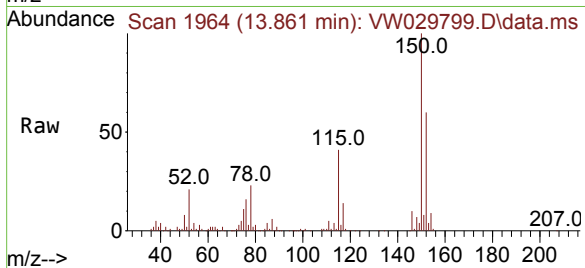
Tgt Ion:146 Resp: 7119

Ion Ratio Lower Upper

146 100

111 52.2 35.8 53.8

148 67.7 52.6 78.8



#68

1,2-Dibromo-3-chloropropane

Concen: 2.261 ug/L

RT: 14.617 min Scan# 2088

Delta R.T. 0.140 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

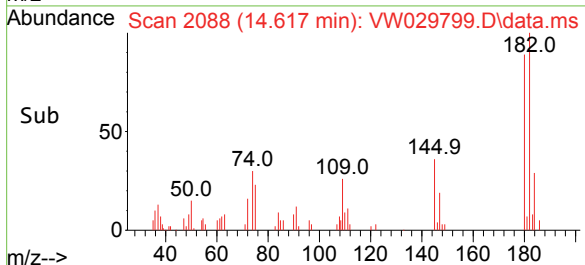
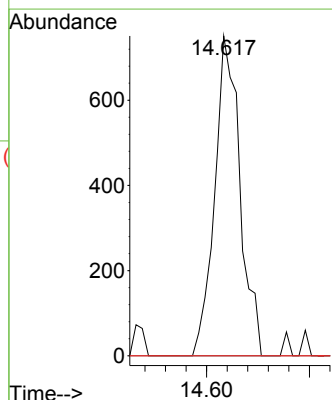
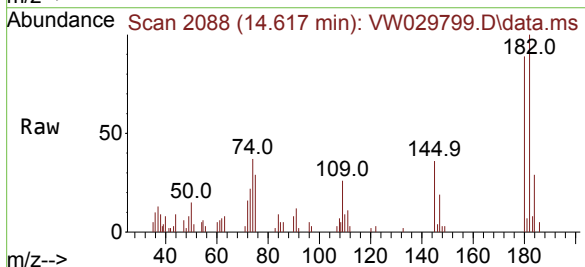
Tgt Ion: 75 Resp: 1279

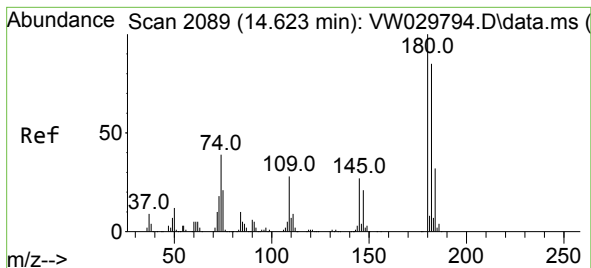
Ion Ratio Lower Upper

75 100

155 0.0 47.8 71.6#

157 0.0 63.7 95.5#





#69

1,3,5-Trichlorobenzene

Concen: 0.979 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

Tgt Ion:180 Resp: 4530

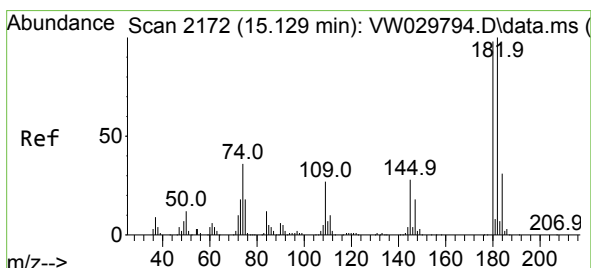
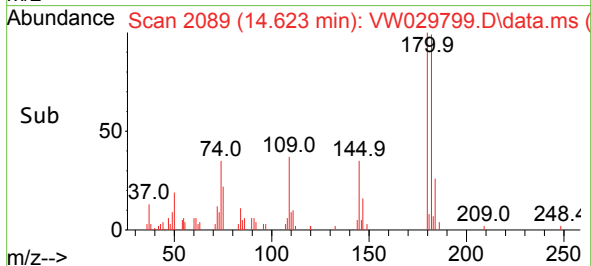
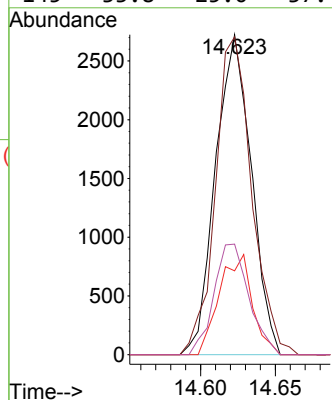
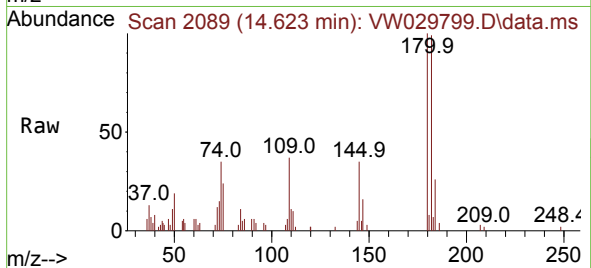
Ion Ratio Lower Upper

180 100

182 100.6 72.7 109.1

184 28.9 23.3 34.9

145 33.8 25.0 37.4



#70

1,2,4-trichlorobenzene

Concen: 0.902 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

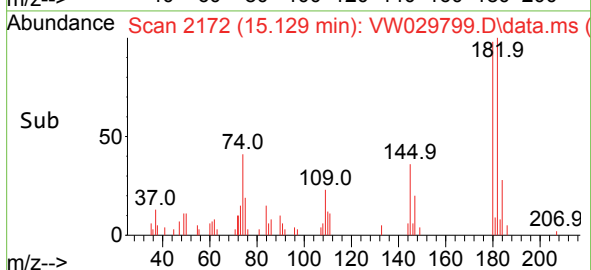
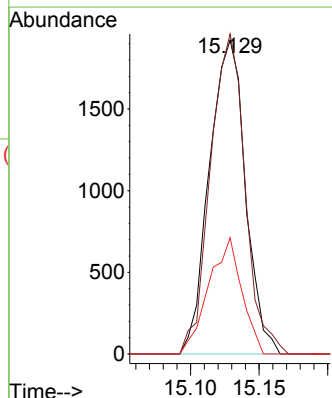
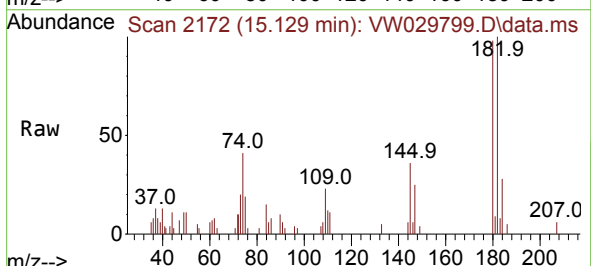
Tgt Ion:180 Resp: 3515

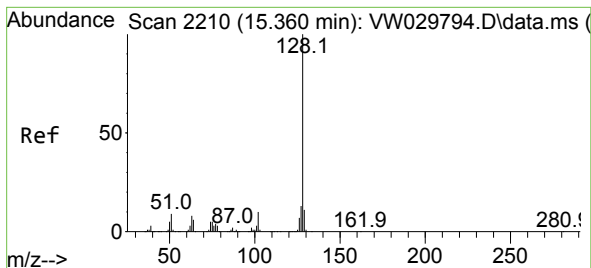
Ion Ratio Lower Upper

180 100

182 98.0 80.2 120.4

145 33.9 26.3 39.5





#71

Naphthalene

Concen: 0.758 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Instrument :

MSVOA\_W

ClientSampleId :

MDL-SOIL-QT3-2024-05

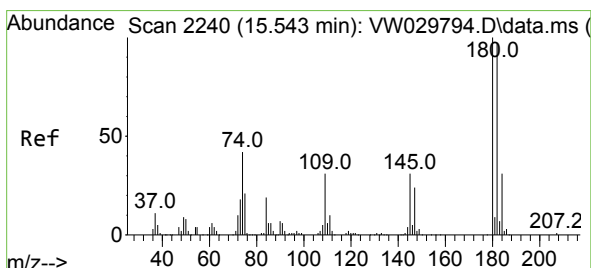
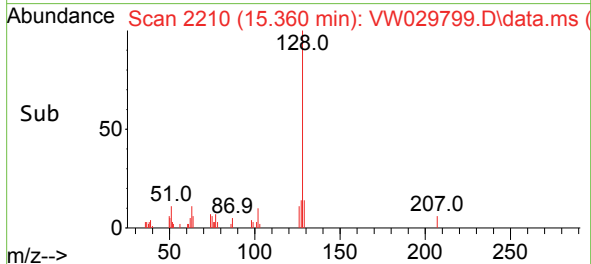
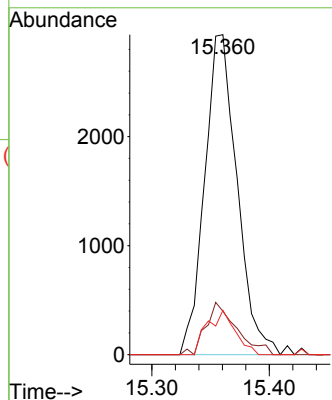
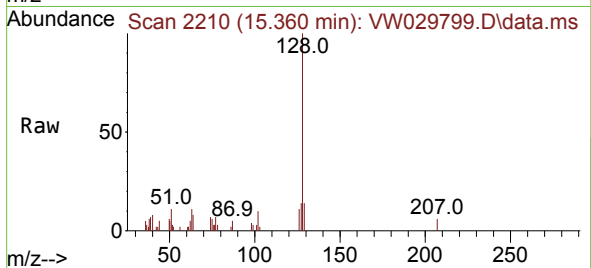
Tgt Ion:128 Resp: 5639

Ion Ratio Lower Upper

128 100

127 14.5 10.7 16.1

129 6.8 8.9 13.3#



#72

1,2,3-Trichlorobenzene

Concen: 0.893 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.006 min

Lab File: VW029799.D

Acq: 30 Jul 2024 12:41

Tgt Ion:180 Resp: 3150

Ion Ratio Lower Upper

180 100

182 97.9 74.0 111.0

145 32.7 27.5 41.3

