

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX041023\  
 Data File : VX034995.D  
 Acq On : 10 Apr 2023 15:15  
 Operator : JC/MD  
 Sample : 02215-05  
 Misc : 5.00g/5mL/100uL/5.00mL/MSVOA\_X/MEOH  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Apr 11 05:50:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 11 05:31:31 2023  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|---------|-------|----------|----------|--------|----------|
| -----                         |         |       |          |          |        |          |
| Internal Standards            |         |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 6.757   | 114   | 504916   | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 10.055  | 117   | 441087   | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 12.024  | 152   | 207983   | 50.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |         |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.368   | 65    | 142560   | 42.390   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 135 | Recovery | =      | 84.780%  |
| 7) Chloroethane-d5            | 1.672   | 69    | 110339   | 44.794   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 130 | Recovery | =      | 89.580%  |
| 11) 1,1-Dichloroethene-d2     | 2.306   | 63    | 225924   | 33.141   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 66.280%  |
| 21) 2-Butanone-d5             | 4.465   | 46    | 221609   | 99.146   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 40 - 130 | Recovery | =      | 99.150%  |
| 24) Chloroform-d              | 5.050   | 84    | 278816   | 43.505   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 87.020%  |
| 26) 1,2-Dichloroethane-d4     | 5.952   | 65    | 203393   | 46.232   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.460%  |
| 32) Benzene-d6                | 5.970   | 84    | 567285   | 46.071   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 125 | Recovery | =      | 92.140%  |
| 36) 1,2-Dichloropropane-d6    | 7.306   | 67    | 178620   | 47.156   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 70 - 120 | Recovery | =      | 94.320%  |
| 41) Toluene-d8                | 8.647   | 98    | 509715   | 45.195   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 90.400%  |
| 43) trans-1,3-Dichloroprop... | 8.952   | 79    | 72493    | 41.675   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 60 - 125 | Recovery | =      | 83.360%  |
| 47) 2-Hexanone-d5             | 9.384   | 63    | 148214   | 97.898   | ug/L   | 0.00     |
| Spiked Amount                 | 100.000 | Range | 45 - 130 | Recovery | =      | 97.900%  |
| 56) 1,1,2,2-Tetrachloroeth... | 11.189  | 84    | 217931   | 46.297   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 65 - 120 | Recovery | =      | 92.600%  |
| 66) 1,2-Dichlorobenzene-d4    | 12.323  | 152   | 180633   | 47.330   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000  | Range | 80 - 120 | Recovery | =      | 94.660%  |
| Target Compounds              |         |       |          |          |        |          |
|                               |         |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.166   | 85    | 11711    | 2.671    | ug/L   | 97       |
| 3) Chloromethane              | 1.294   | 50    | 11322    | 2.747    | ug/L   | 98       |
| 5) Vinyl chloride             | 1.374   | 62    | 11357    | 2.719    | ug/L # | 82       |
| 6) Bromomethane               | 1.617   | 94    | 6732     | 2.852    | ug/L   | 91       |
| 8) Chloroethane               | 1.691   | 64    | 6235     | 2.652    | ug/L   | 89       |
| 9) Trichlorofluoromethane     | 1.886   | 101   | 15088    | 2.596    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.325   | 101   | 12279    | 3.405    | ug/L   | 86       |
| 12) 1,1-Dichloroethene        | 2.319   | 96    | 9881     | 3.078    | ug/L # | 1        |
| 13) Acetone                   | 2.398   | 43    | 13076    | 5.917    | ug/L   | 98       |
| 14) Carbon disulfide          | 2.514   | 76    | 20687    | 2.397    | ug/L   | 98       |
| 15) Methyl Acetate            | 2.709   | 43    | 11157    | 2.941    | ug/L   | 100      |
| 16) Methylene chloride        | 2.794   | 84    | 11546    | 3.278    | ug/L   | 93       |
| 17) trans-1,2-Dichloroethene  | 3.087   | 96    | 8606     | 2.607    | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 3.111   | 73    | 31955    | 2.769    | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.605   | 63    | 17397    | 2.647    | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 4.477   | 96    | 10033    | 2.657    | ug/L   | 86       |
| 22) 2-Butanone                | 4.568   | 43    | 7561     | 2.678    | ug/L   | 83       |
| 23) Bromochloromethane        | 4.904   | 128   | 4794     | 2.566    | ug/L   | 79       |
| 25) Chloroform                | 5.093   | 83    | 22334    | 3.313    | ug/L   | 94       |

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 Sample : 02215-05  
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 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
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Quant Time: Apr 11 05:50:36 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041023WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Apr 11 05:31:31 2023  
 Response via : Initial Calibration

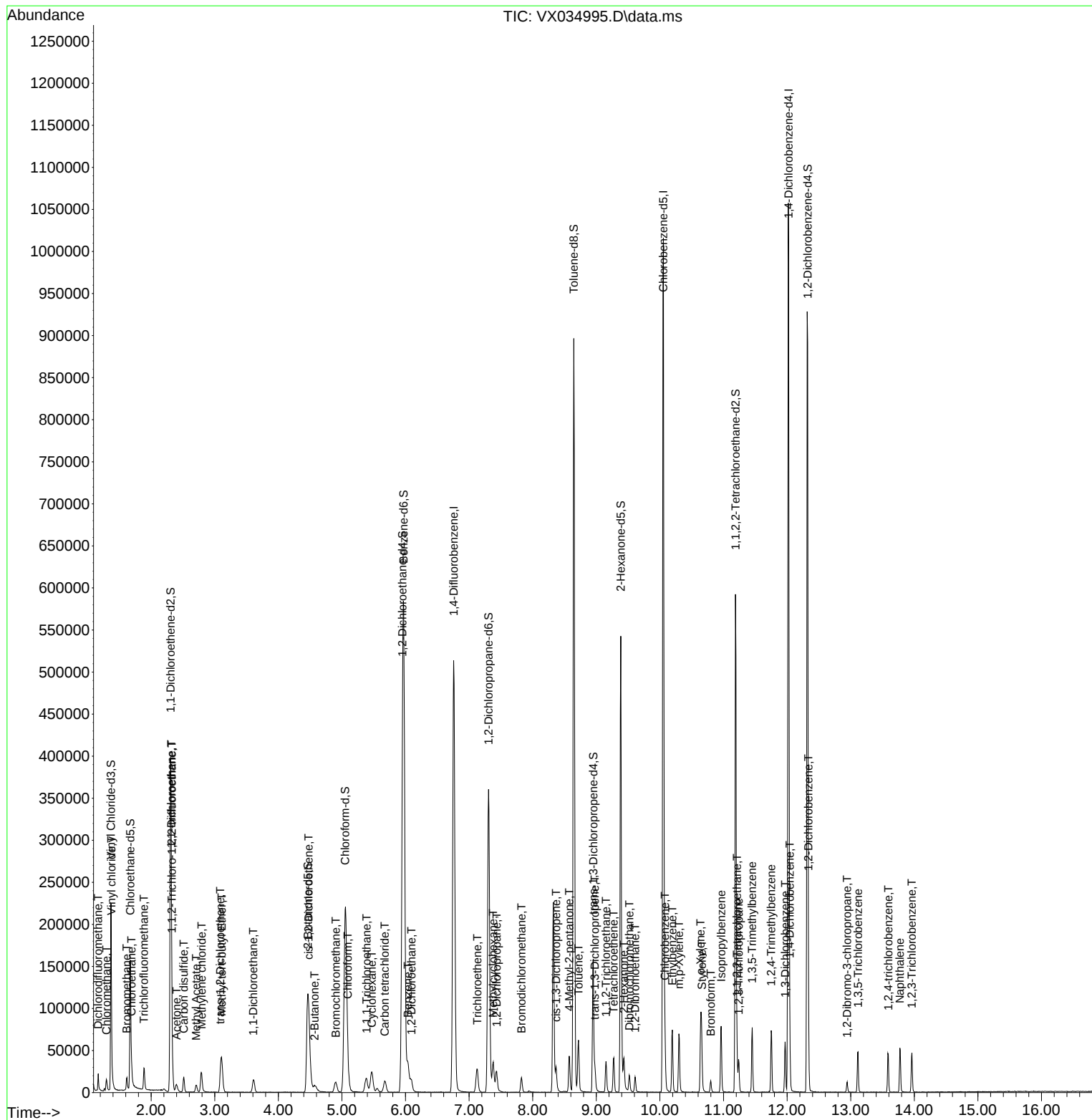
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 6.092  | 62   | 15643    | 2.740 | ug/L   | 97       |
| 29) Cyclohexane               | 5.470  | 56   | 16711    | 2.755 | ug/L   | 98       |
| 30) 1,1,1-Trichloroethane     | 5.385  | 97   | 14582    | 2.500 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 5.672  | 117  | 12216    | 2.430 | ug/L   | 99       |
| 33) Benzene                   | 6.037  | 78   | 39254    | 2.791 | ug/L   | 100      |
| 34) Trichloroethene           | 7.129  | 95   | 9677     | 2.552 | ug/L   | 90       |
| 35) Methylcyclohexane         | 7.379  | 83   | 14960    | 2.736 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 7.434  | 63   | 9931     | 2.664 | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.824  | 83   | 11216    | 2.378 | ug/L   | 96       |
| 39) cis-1,3-Dichloropropene   | 8.366  | 75   | 14381    | 2.525 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 8.574  | 43   | 26669    | 5.385 | ug/L   | 99       |
| 42) Toluene                   | 8.720  | 91   | 39450    | 2.708 | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.976  | 75   | 16771    | 3.198 | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 9.153  | 97   | 9929     | 2.857 | ug/L   | 96       |
| 46) Tetrachloroethene         | 9.275  | 164  | 7505     | 2.656 | ug/L   | 93       |
| 48) 2-Hexanone                | 9.433  | 43   | 23135    | 5.959 | ug/L   | 97       |
| 49) Dibromochloromethane      | 9.519  | 129  | 8001     | 2.340 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 9.610  | 107  | 9807     | 2.689 | ug/L # | 94       |
| 51) Chlorobenzene             | 10.079 | 112  | 25404    | 2.705 | ug/L   | 96       |
| 52) Ethylbenzene              | 10.195 | 91   | 43600    | 2.637 | ug/L   | 99       |
| 53) m,p-Xylene                | 10.299 | 106  | 16461    | 2.642 | ug/L   | 98       |
| 54) o-Xylene                  | 10.640 | 106  | 15630    | 2.547 | ug/L   | 87       |
| 55) Styrene                   | 10.659 | 104  | 24729    | 2.403 | ug/L   | 96       |
| 57) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 15189    | 2.943 | ug/L # | 97       |
| 59) Bromoform                 | 10.799 | 173  | 4751     | 2.143 | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.963 | 105  | 41578    | 2.737 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 11.238 | 75   | 11390    | 2.856 | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 32856    | 2.609 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 33013    | 2.655 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.969 | 146  | 18701    | 2.764 | ug/L   | 95       |
| 65) 1,4-Dichlorobenzene       | 12.042 | 146  | 19742    | 2.886 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 12.335 | 146  | 18653    | 2.798 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 12.945 | 75   | 2344     | 2.296 | ug/L   | 90       |
| 69) 1,3,5-Trichlorobenzene    | 13.115 | 180  | 11274    | 2.664 | ug/L   | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.591 | 180  | 10813    | 2.747 | ug/L   | 97       |
| 71) Naphthalene               | 13.774 | 128  | 33423    | 2.484 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 10641    | 2.692 | ug/L   | 100      |

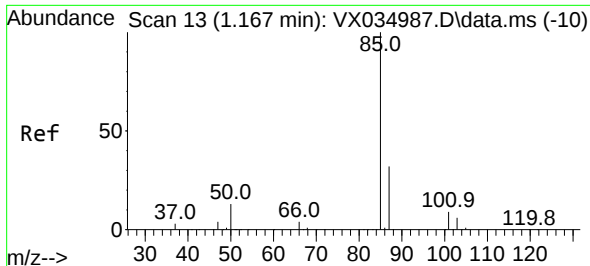
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : 02215-05  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\SFAMXML041023WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Apr 11 05:31:31 2023  
Response via : Initial Calibration

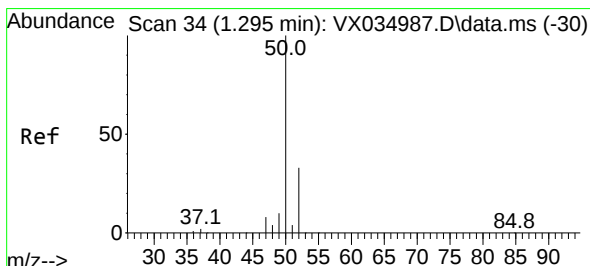
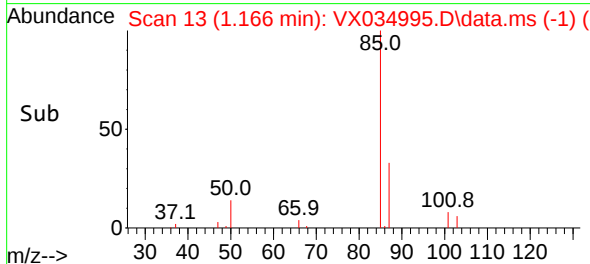
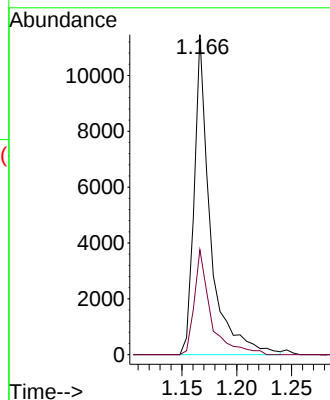
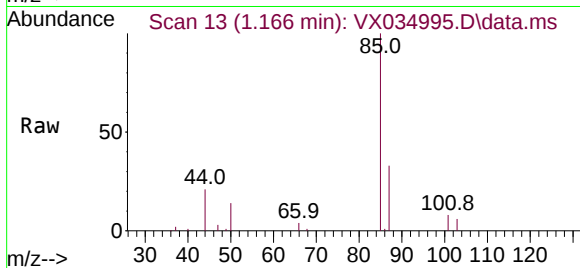




#2  
Dichlorodifluoromethane  
Concen: 2.671 ug/L  
RT: 1.166 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

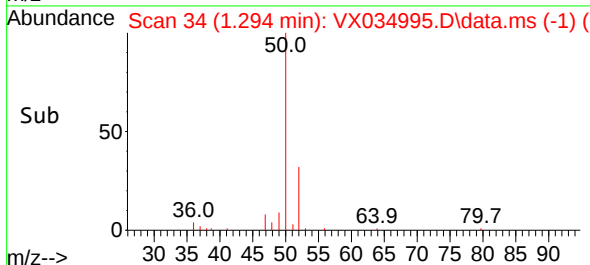
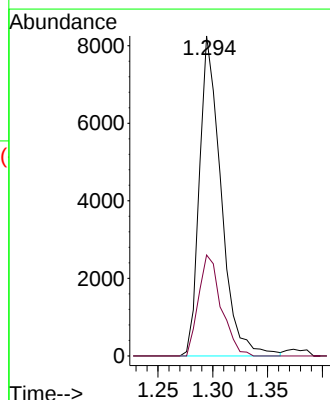
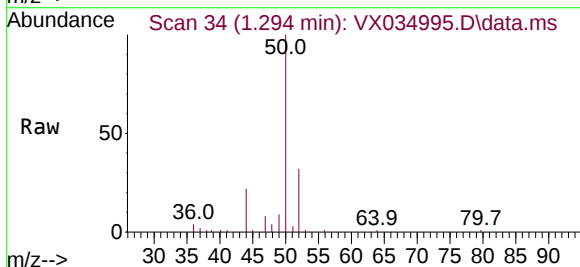
Instrument : MSVOA\_X  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

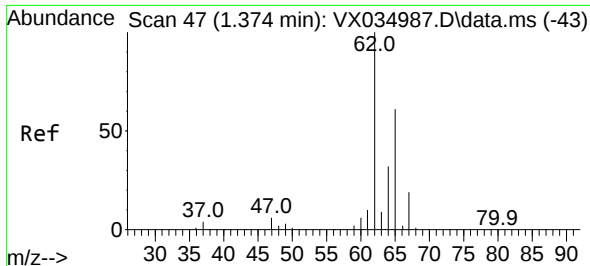
Tgt Ion: 85 Resp: 11711  
Ion Ratio Lower Upper  
85 100  
87 33.6 25.7 38.5



#3  
Chloromethane  
Concen: 2.747 ug/L  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Tgt Ion: 50 Resp: 11322  
Ion Ratio Lower Upper  
50 100  
52 31.6 22.9 42.5

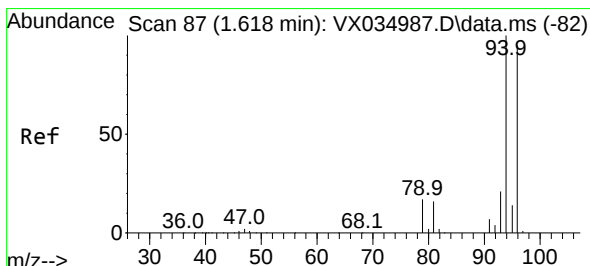
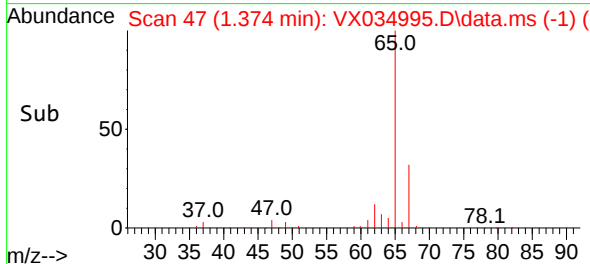
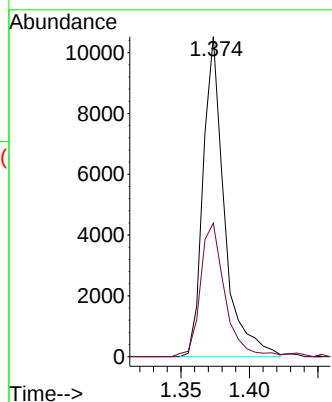
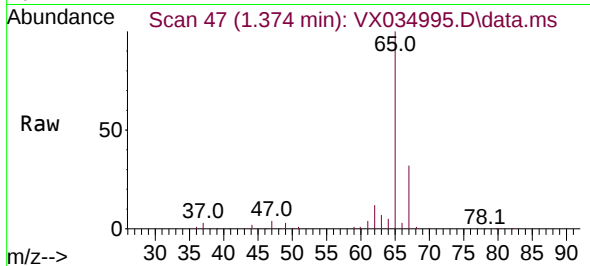




#5  
 Vinyl chloride  
 Concen: 2.719 ug/L  
 RT: 1.374 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX034995.D  
 Acq: 10 Apr 2023 15:15

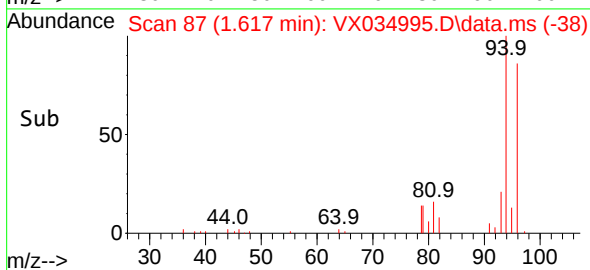
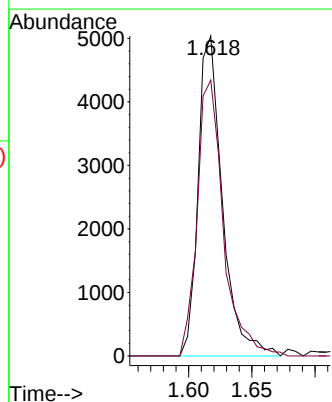
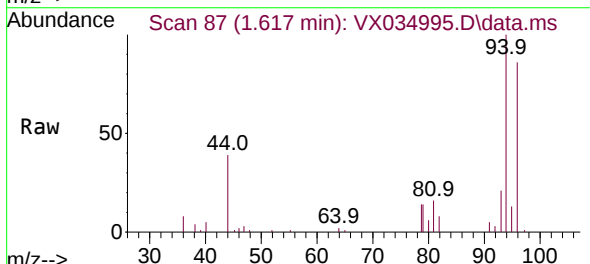
Instrument :  
 MSVOA\_X  
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 MDL-MED-SOIL-QT2-2023-03

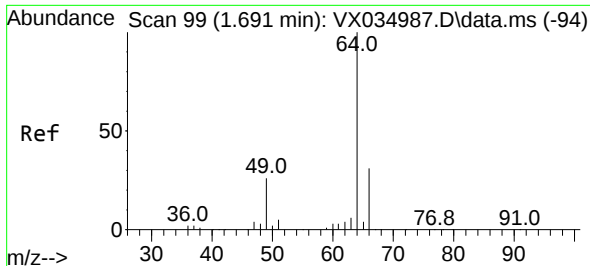
Tgt Ion: 62 Resp: 11357  
 Ion Ratio Lower Upper  
 62 100  
 64 41.8 22.3 41.3#



#6  
 Bromomethane  
 Concen: 2.852 ug/L  
 RT: 1.617 min Scan# 87  
 Delta R.T. -0.000 min  
 Lab File: VX034995.D  
 Acq: 10 Apr 2023 15:15

Tgt Ion: 94 Resp: 6732  
 Ion Ratio Lower Upper  
 94 100  
 96 86.2 66.6 123.6

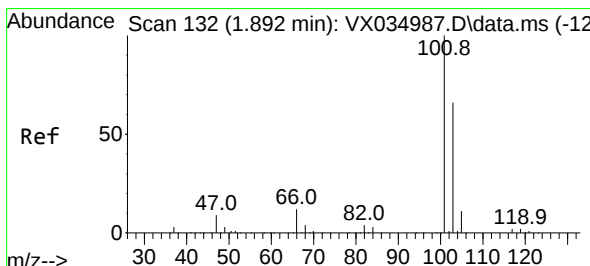
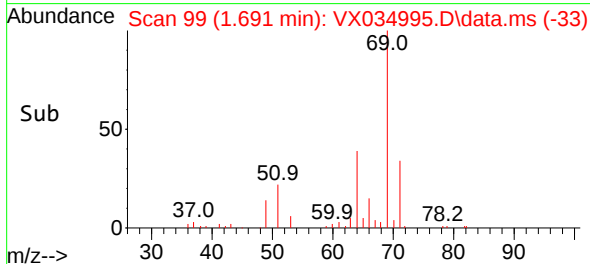
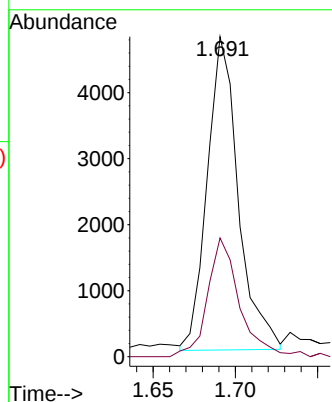
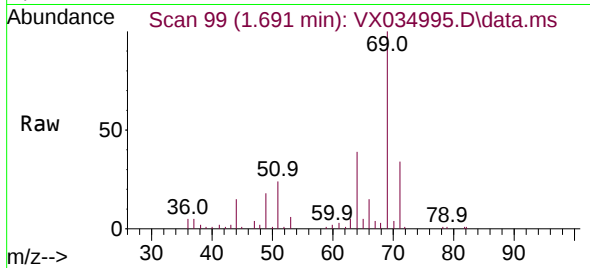




#8  
Chloroethane  
Concen: 2.652 ug/L  
RT: 1.691 min Scan# 99  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

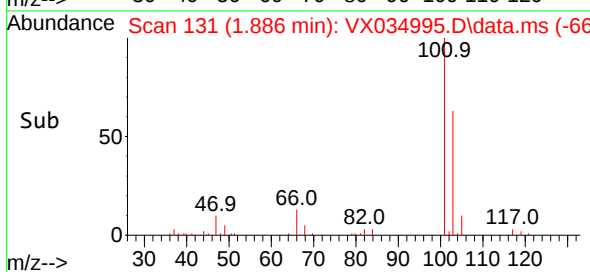
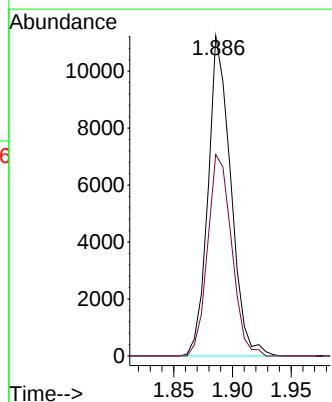
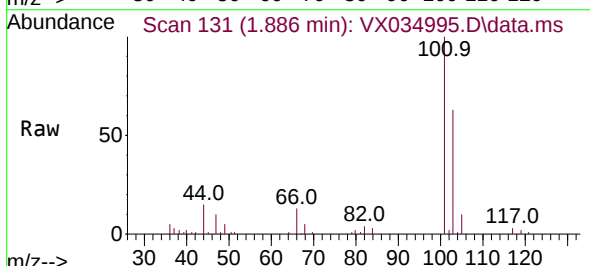
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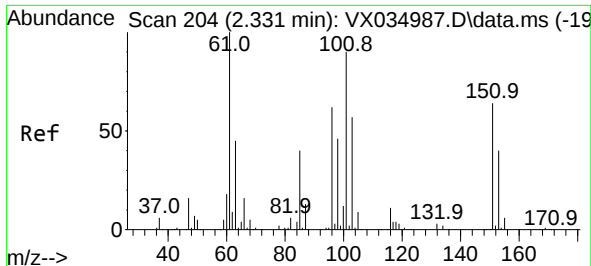
Tgt Ion: 64 Resp: 6235  
Ion Ratio Lower Upper  
64 100  
66 37.1 21.8 40.4



#9  
Trichlorofluoromethane  
Concen: 2.596 ug/L  
RT: 1.886 min Scan# 131  
Delta R.T. -0.006 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Tgt Ion: 101 Resp: 15088  
Ion Ratio Lower Upper  
101 100  
103 66.5 51.9 77.9





#10

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

Concen: 3.405 ug/L

RT: 2.325 min Scan# 20

Delta R.T. -0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

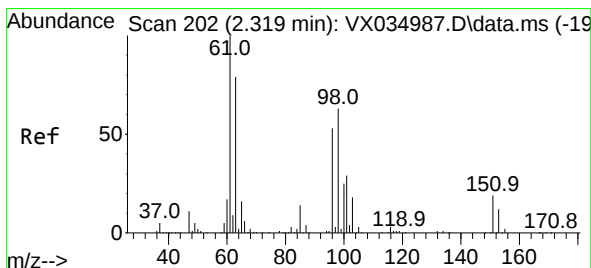
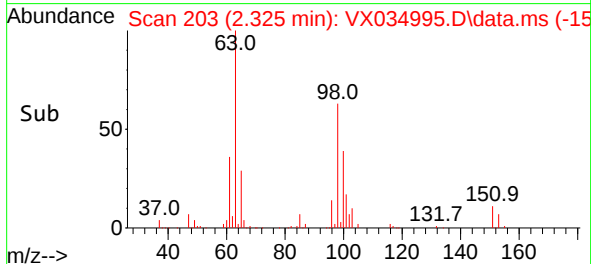
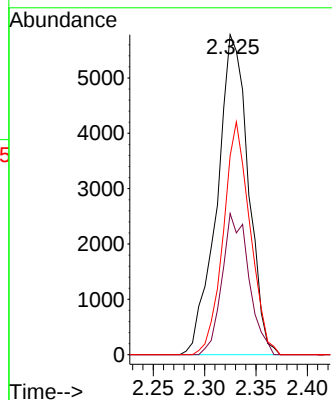
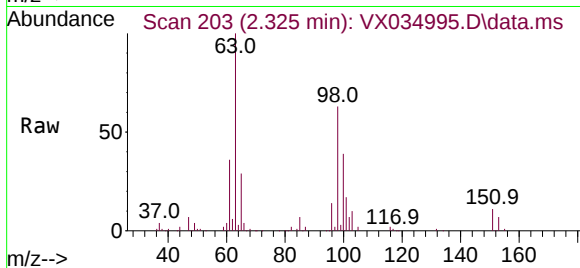
Tgt Ion:101 Resp: 12279

Ion Ratio Lower Upper

101 100

85 37.6 36.4 54.6

151 62.1 59.7 89.5



#12

1,1-Dichloroethene

Concen: 3.078 ug/L

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

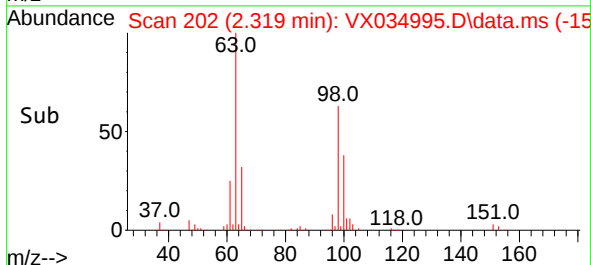
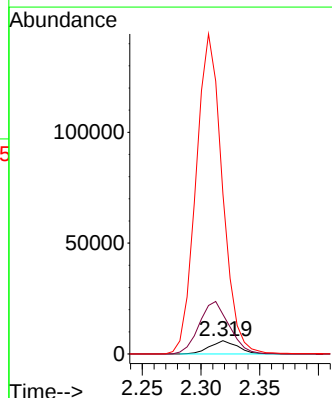
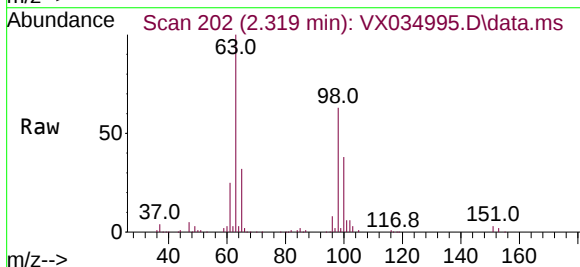
Tgt Ion: 96 Resp: 9881

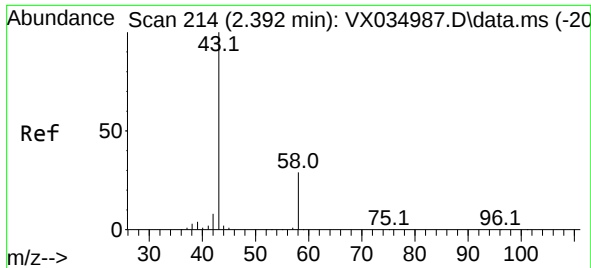
Ion Ratio Lower Upper

96 100

61 298.6 132.4 245.8#

63 1209.9 105.5 195.9#





#13

Acetone

Concen: 5.917 ug/L

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

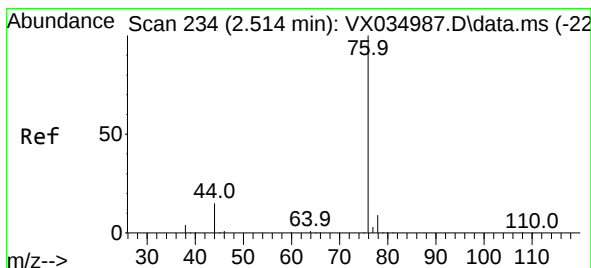
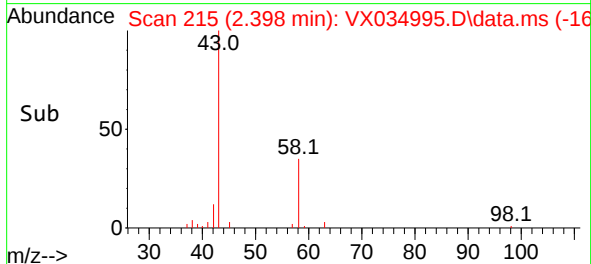
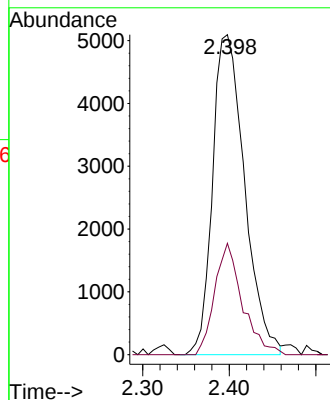
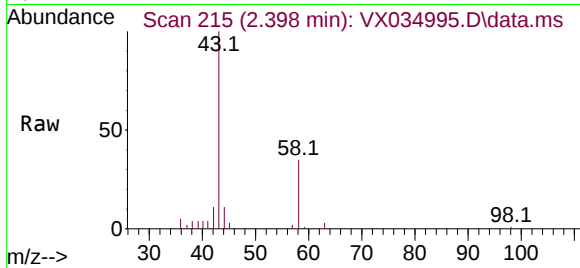
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 43 Resp: 13076

Ion Ratio Lower Upper

43 100

58 29.7 0.0 57.4



#14

Carbon disulfide

Concen: 2.397 ug/L

RT: 2.514 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX034995.D

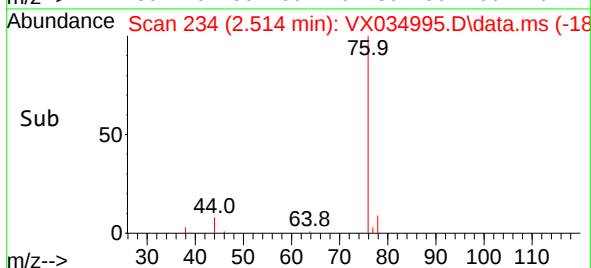
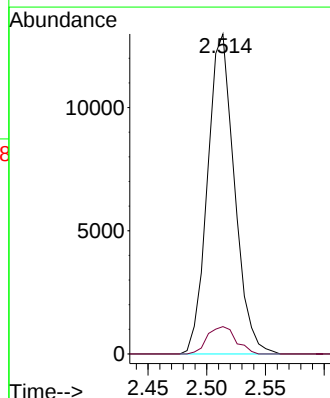
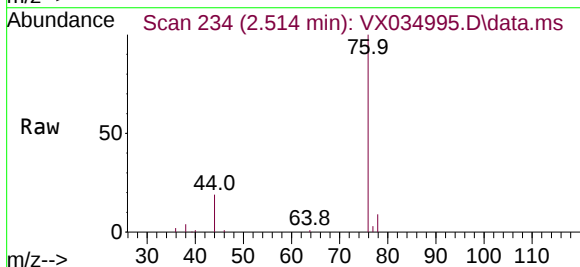
Acq: 10 Apr 2023 15:15

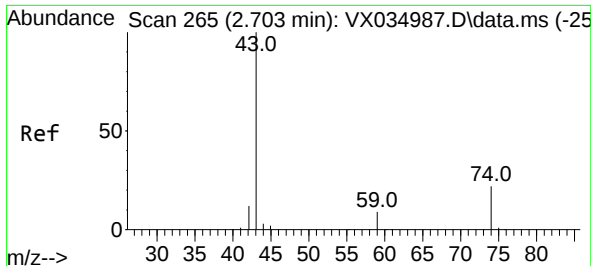
Tgt Ion: 76 Resp: 20687

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2

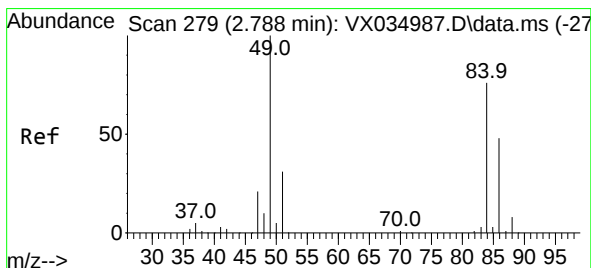
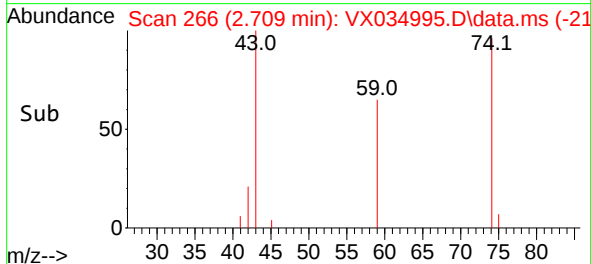
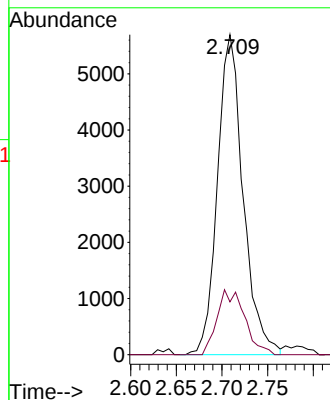
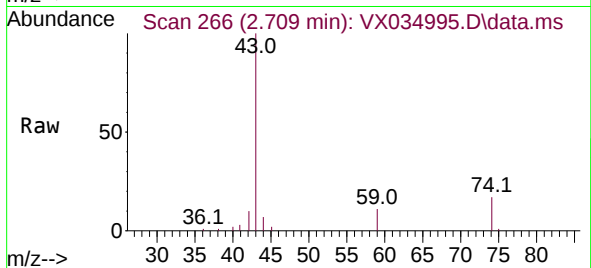




#15  
Methyl Acetate  
Concen: 2.941 ug/L  
RT: 2.709 min Scan# 21  
Delta R.T. 0.006 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

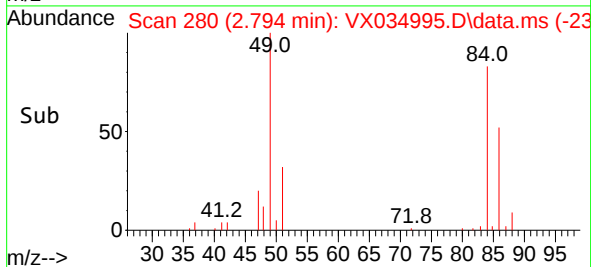
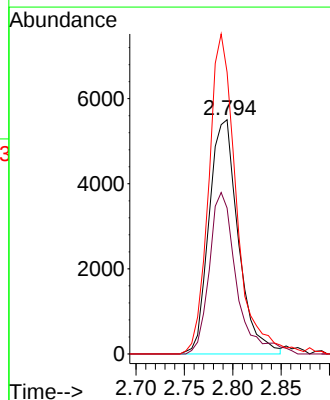
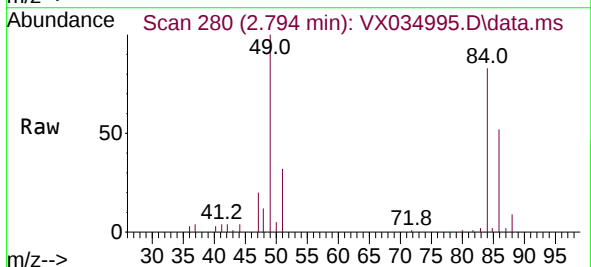
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03

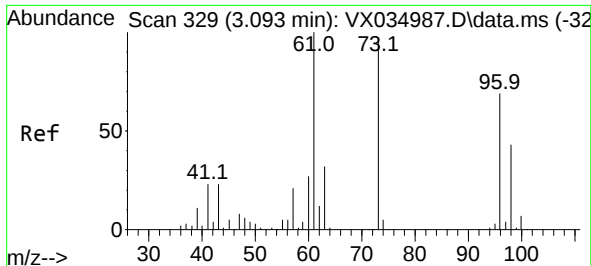
Tgt Ion: 43 Resp: 11157  
Ion Ratio Lower Upper  
43 100  
74 21.8 17.5 26.3



#16  
Methylene chloride  
Concen: 3.278 ug/L  
RT: 2.794 min Scan# 280  
Delta R.T. 0.006 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Tgt Ion: 84 Resp: 11546  
Ion Ratio Lower Upper  
84 100  
86 62.3 44.7 82.9  
49 120.3 92.3 171.5





#17

trans-1,2-Dichloroethene

Concen: 2.607 ug/L

RT: 3.087 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

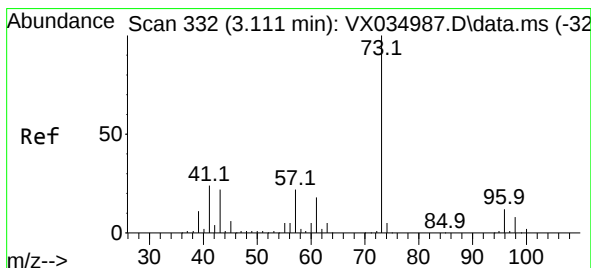
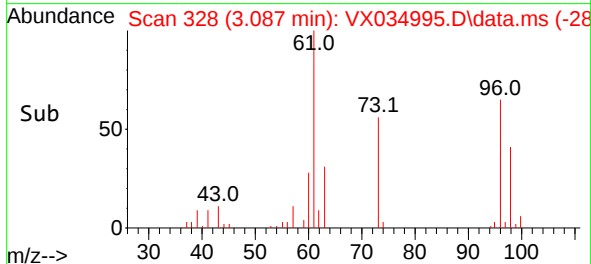
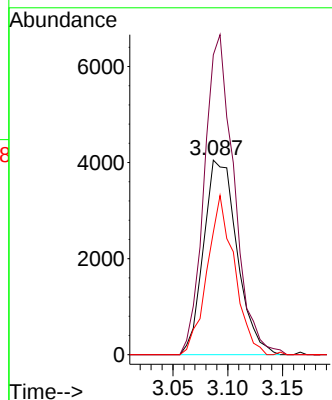
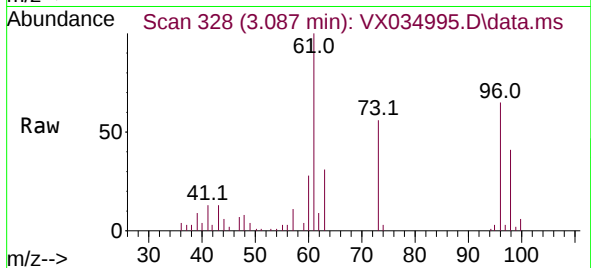
Tgt Ion: 96 Resp: 8606

Ion Ratio Lower Upper

96 100

61 154.0 102.0 189.4

98 62.9 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 2.769 ug/L

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

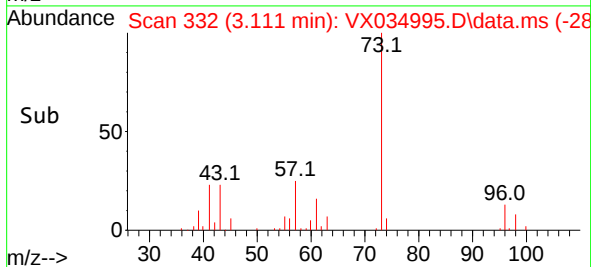
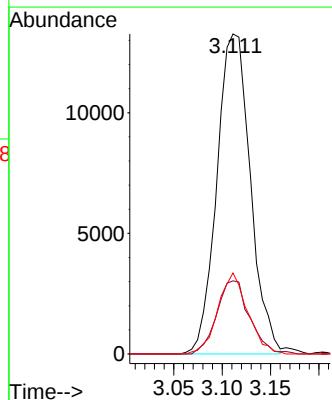
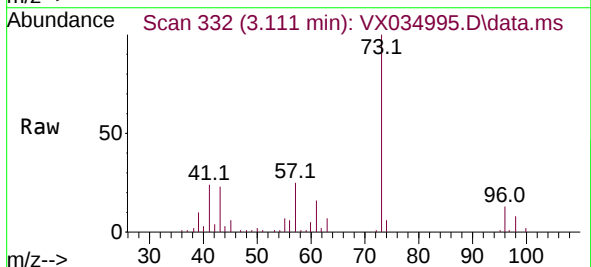
Tgt Ion: 73 Resp: 31955

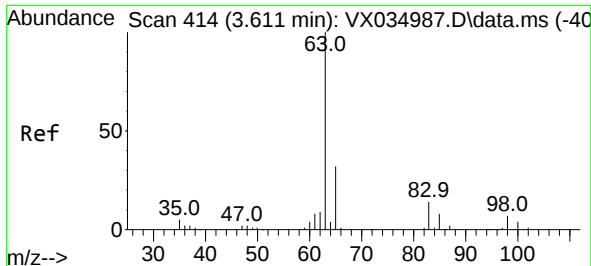
Ion Ratio Lower Upper

73 100

43 22.2 18.2 27.2

57 22.5 17.7 26.5





#19

1,1-Dichloroethane

Concen: 2.647 ug/L

RT: 3.605 min Scan# 41

Delta R.T. -0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

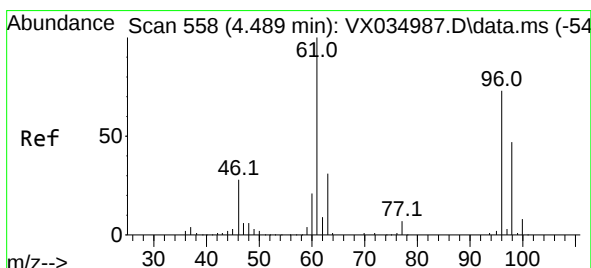
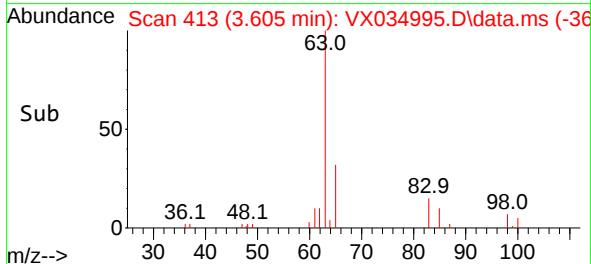
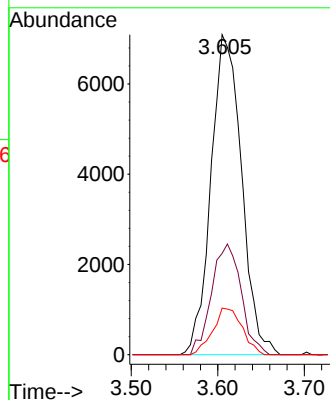
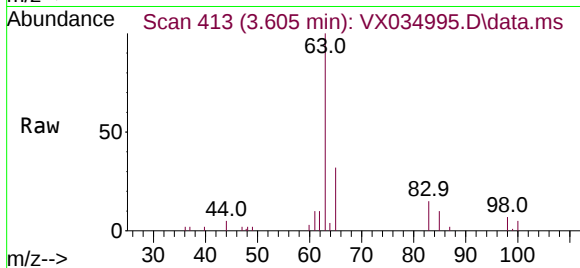
Tgt Ion: 63 Resp: 17397

Ion Ratio Lower Upper

63 100

65 31.7 22.1 41.1

83 14.5 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 2.657 ug/L

RT: 4.477 min Scan# 556

Delta R.T. -0.012 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

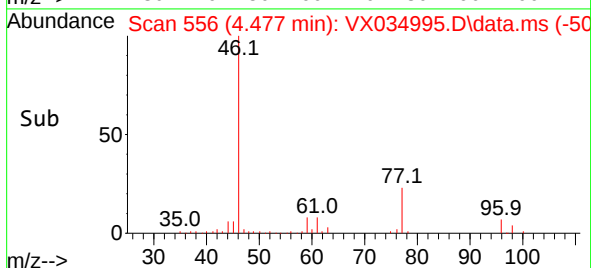
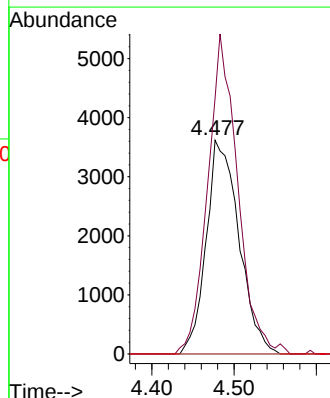
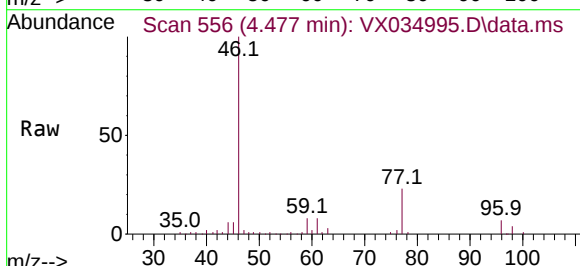
Tgt Ion: 96 Resp: 10033

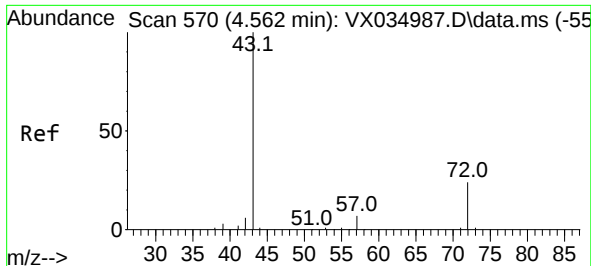
Ion Ratio Lower Upper

96 100

61 119.7 95.7 177.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 2.678 ug/L

RT: 4.568 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

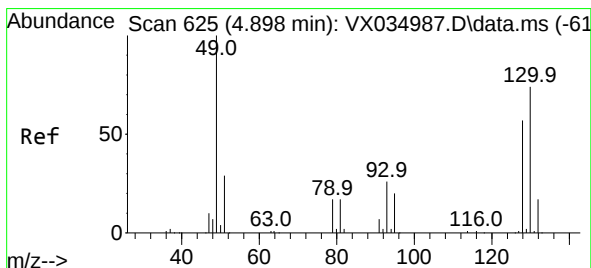
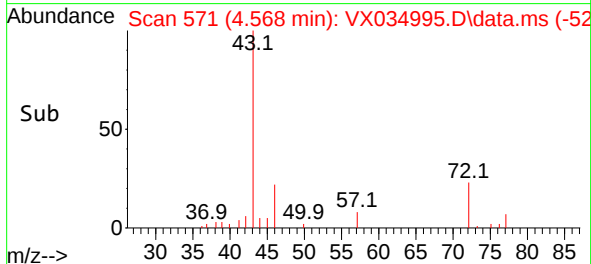
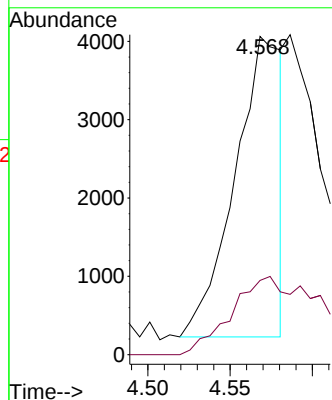
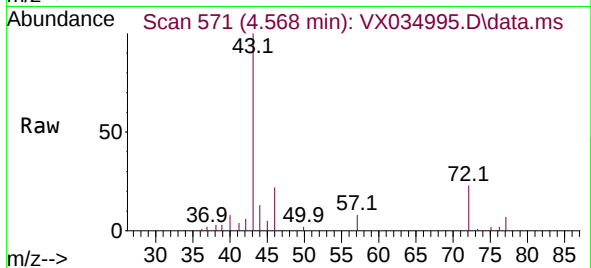
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 43 Resp: 7561

Ion Ratio Lower Upper

43 100

72 31.1 11.5 34.5



#23

Bromochloromethane

Concen: 2.566 ug/L

RT: 4.904 min Scan# 626

Delta R.T. 0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Tgt Ion: 128 Resp: 4794

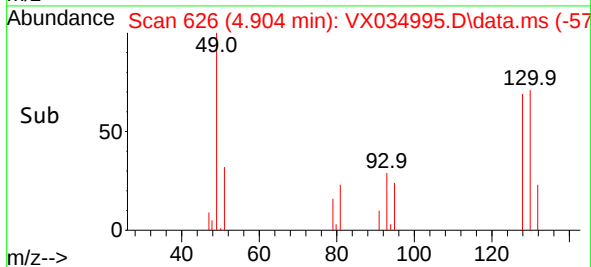
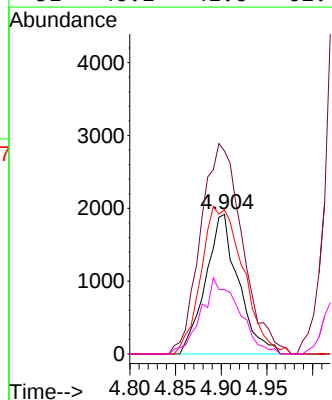
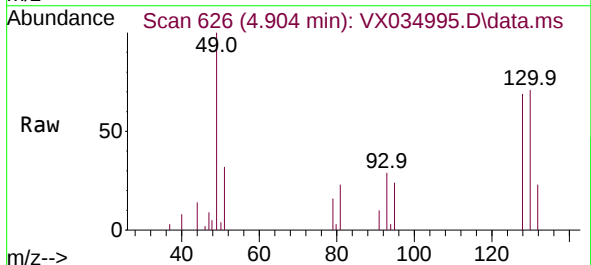
Ion Ratio Lower Upper

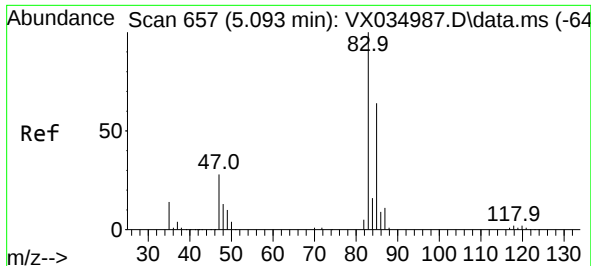
128 100

49 145.4 123.9 230.1

130 103.4 92.1 171.1

51 46.1 41.6 62.4





#25

Chloroform

Concen: 3.313 ug/L

RT: 5.093 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

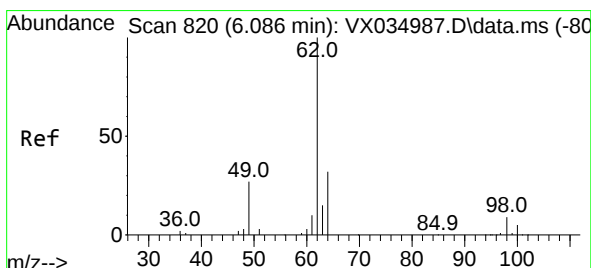
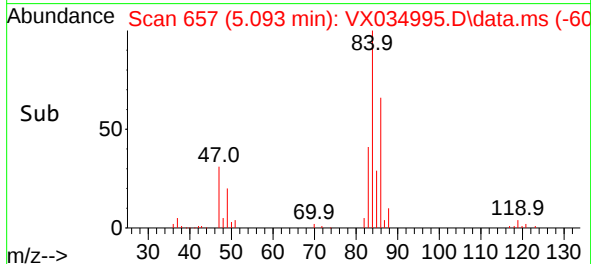
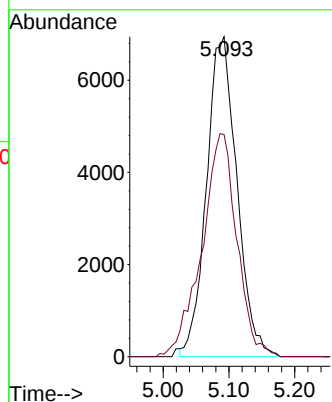
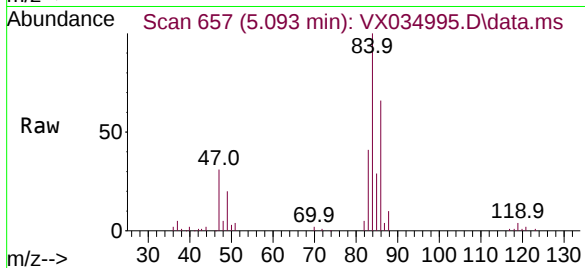
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 83 Resp: 22334

Ion Ratio Lower Upper

83 100

85 69.5 45.1 83.9



#27

1,2-Dichloroethane

Concen: 2.740 ug/L

RT: 6.092 min Scan# 821

Delta R.T. 0.006 min

Lab File: VX034995.D

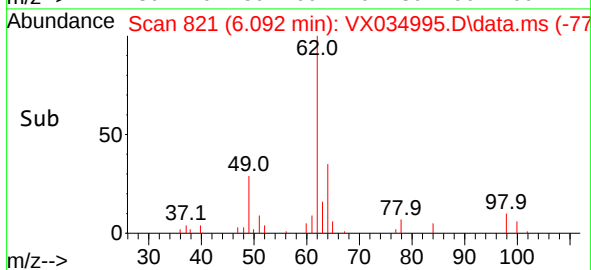
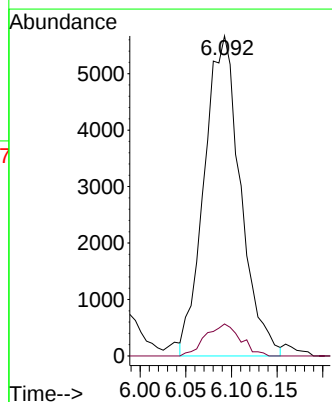
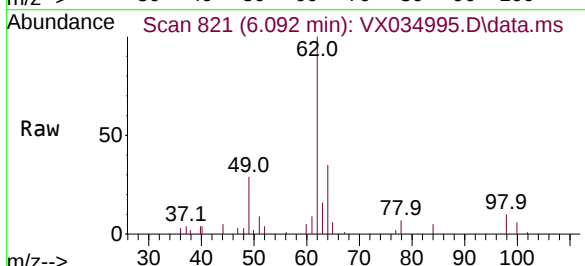
Acq: 10 Apr 2023 15:15

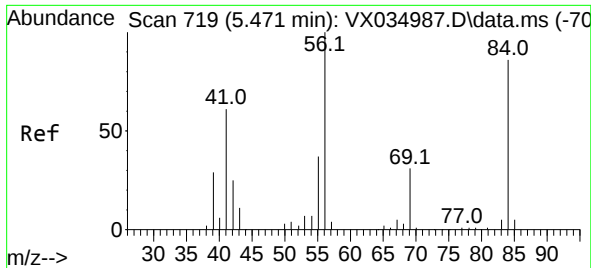
Tgt Ion: 62 Resp: 15643

Ion Ratio Lower Upper

62 100

98 10.0 7.0 10.6

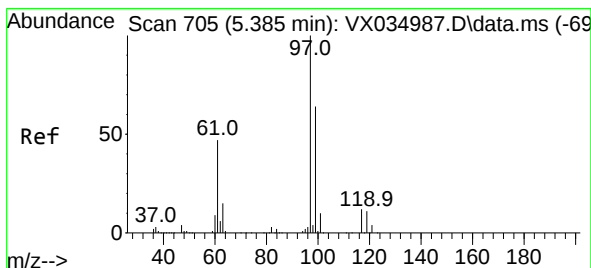
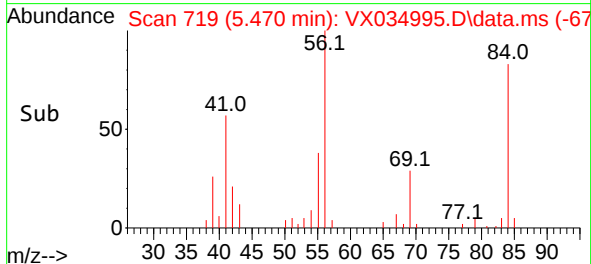
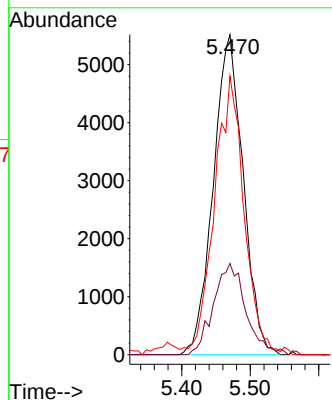
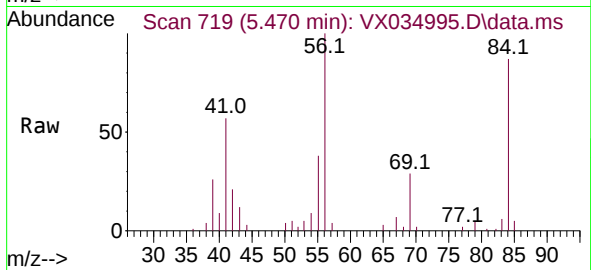




#29  
Cyclohexane  
Concen: 2.755 ug/L  
RT: 5.470 min Scan# 719  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

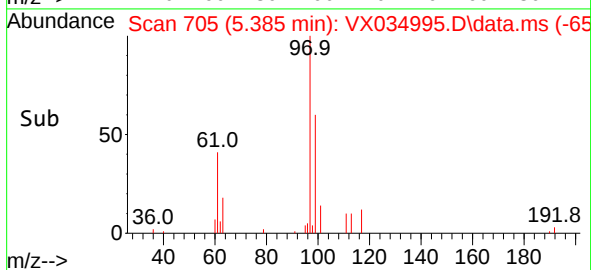
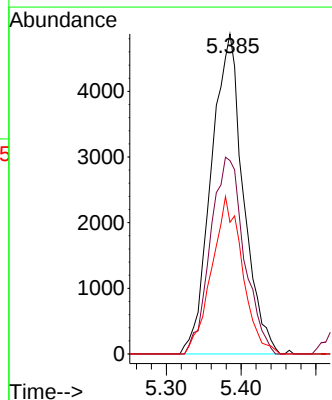
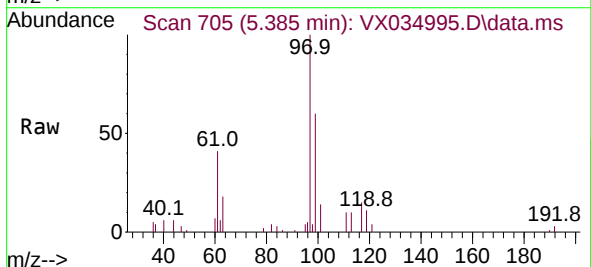
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03

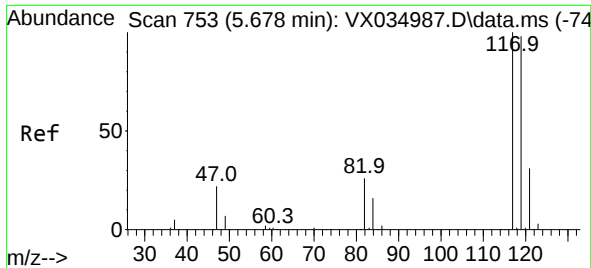
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 56    | Resp: | 16711 |
| Ion      | Ratio | Lower | Upper |
| 56       | 100   |       |       |
| 69       | 30.4  | 24.5  | 36.7  |
| 84       | 84.3  | 69.4  | 104.2 |



#30  
1,1,1-Trichloroethane  
Concen: 2.500 ug/L  
RT: 5.385 min Scan# 705  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 14582 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 64.5  | 51.0  | 76.4  |
| 61       | 47.1  | 36.8  | 55.2  |

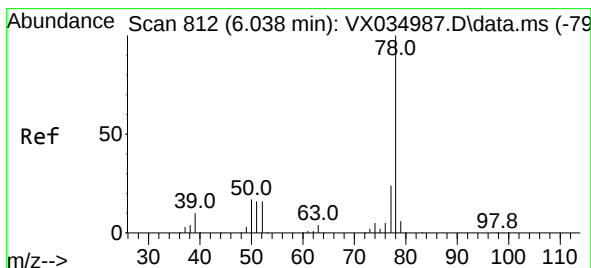
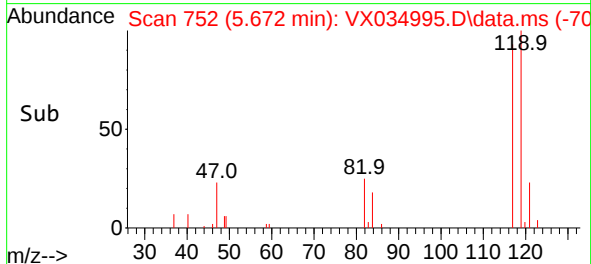
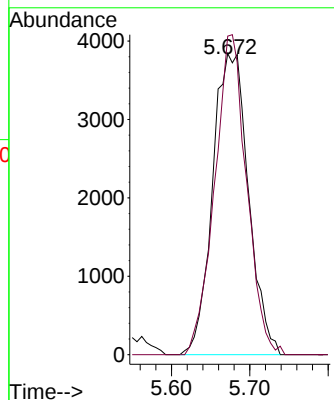
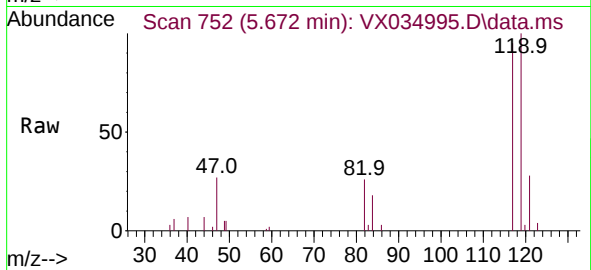




#31  
Carbon tetrachloride  
Concen: 2.430 ug/L  
RT: 5.672 min Scan# 753  
Delta R.T. -0.006 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

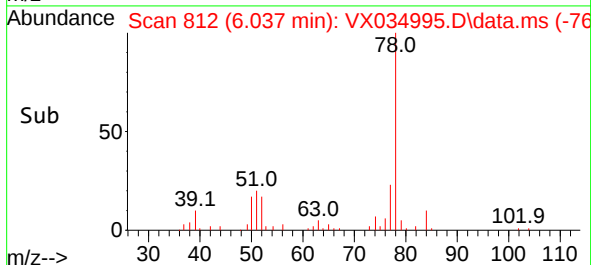
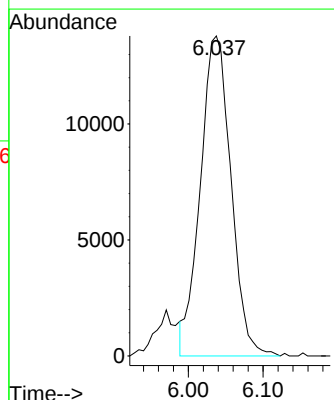
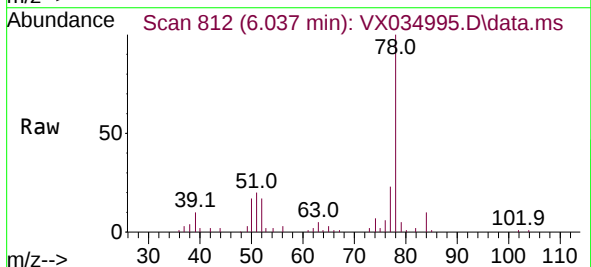
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03

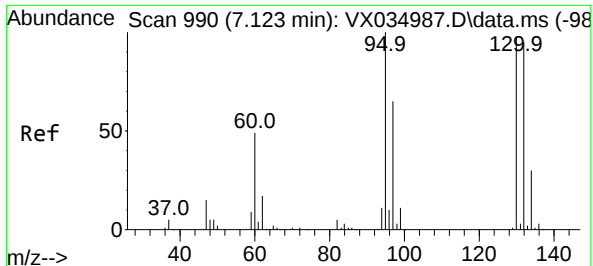
Tgt Ion:117 Resp: 12216  
Ion Ratio Lower Upper  
117 100  
119 94.9 76.7 115.1



#33  
Benzene  
Concen: 2.791 ug/L  
RT: 6.037 min Scan# 812  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Tgt Ion: 78 Resp: 39254



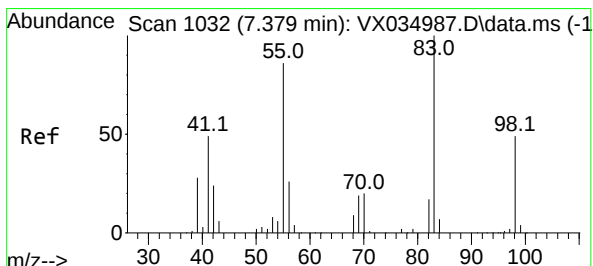
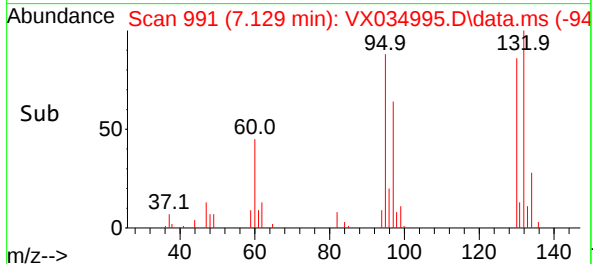
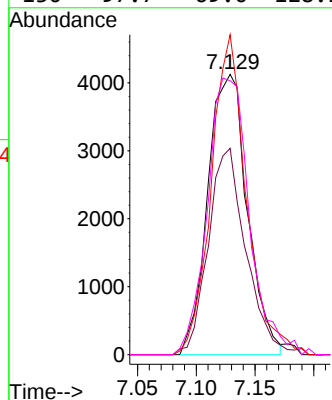
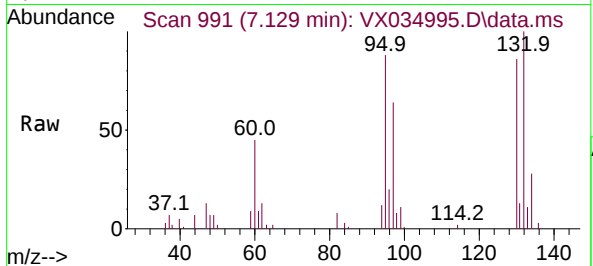


#34  
Trichloroethene  
Concen: 2.552 ug/L  
RT: 7.129 min Scan# 991  
Delta R.T. 0.006 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 95 Resp: 9677

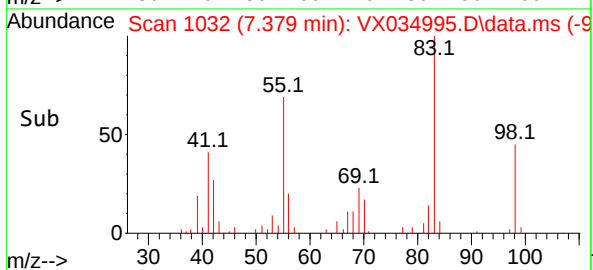
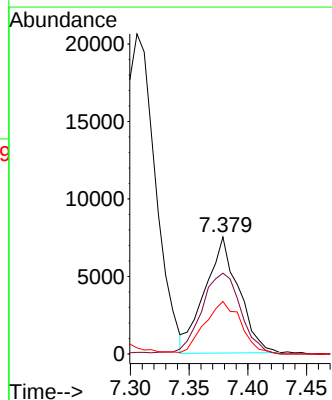
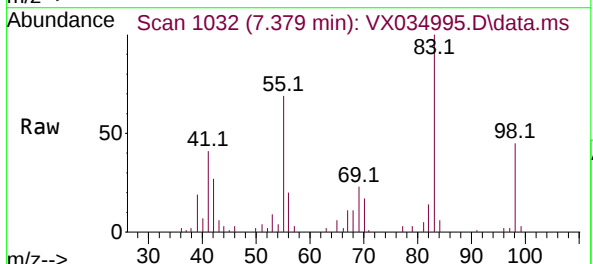
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 97  | 73.6  | 45.4  | 84.2  |
| 132 | 114.1 | 66.8  | 124.0 |
| 130 | 97.7  | 69.0  | 128.1 |

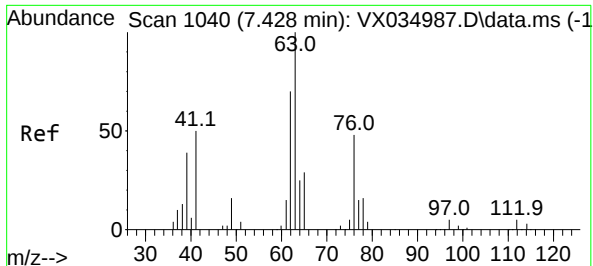


#35  
Methylcyclohexane  
Concen: 2.736 ug/L  
RT: 7.379 min Scan# 1032  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Tgt Ion: 83 Resp: 14960

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 83  | 100   |       |       |
| 55  | 80.0  | 65.0  | 97.6  |
| 98  | 48.8  | 38.7  | 58.1  |





#37

1,2-Dichloropropane

Concen: 2.664 ug/L

RT: 7.434 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

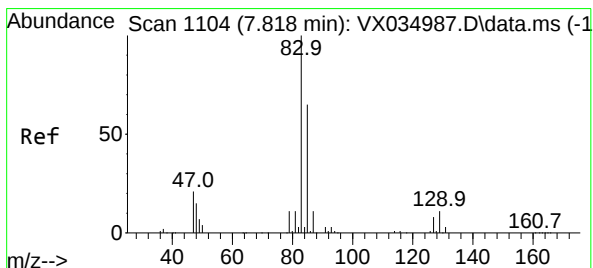
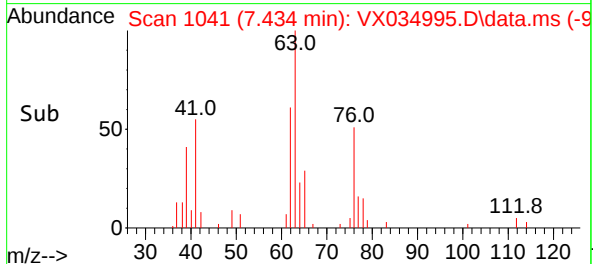
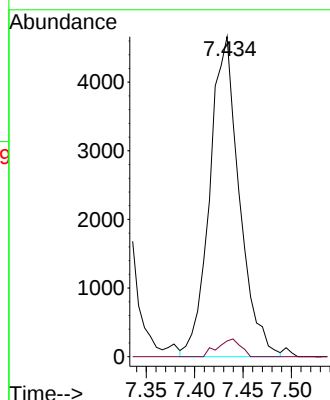
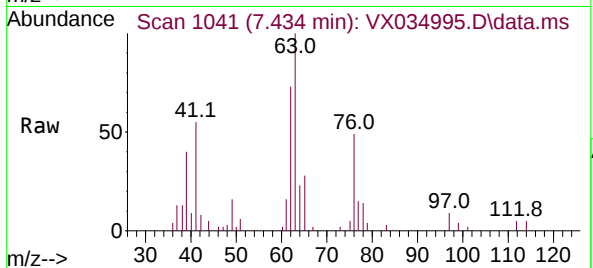
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 63 Resp: 9931

Ion Ratio Lower Upper

63 100

112 4.2 3.6 5.4



#38

Bromodichloromethane

Concen: 2.378 ug/L

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

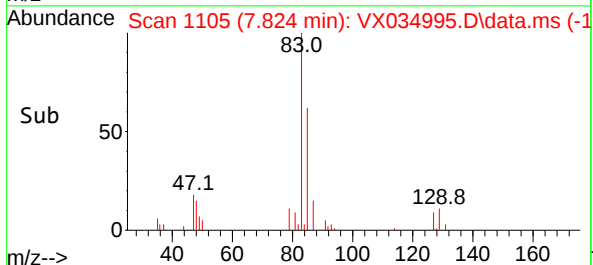
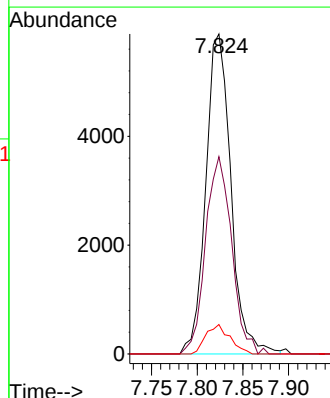
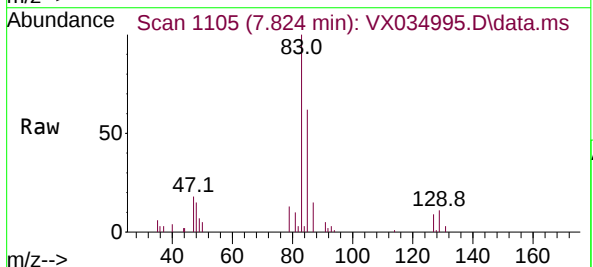
Tgt Ion: 83 Resp: 11216

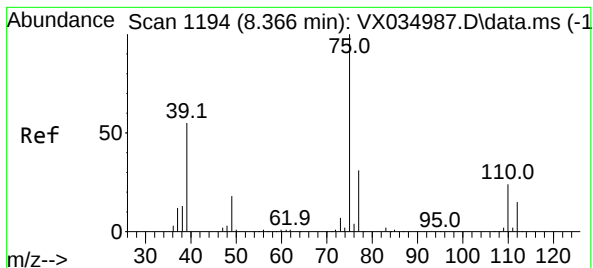
Ion Ratio Lower Upper

83 100

85 61.7 45.6 84.6

127 9.2 6.6 9.8





#39

cis-1,3-Dichloropropene

Concen: 2.525 ug/L

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

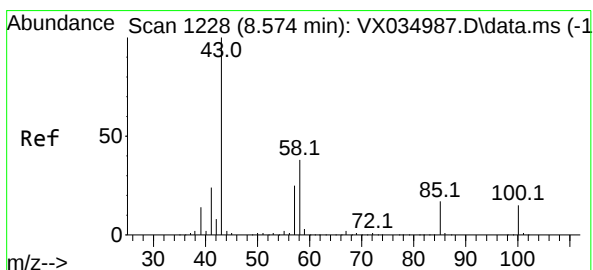
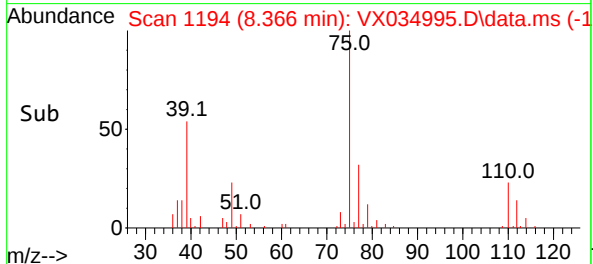
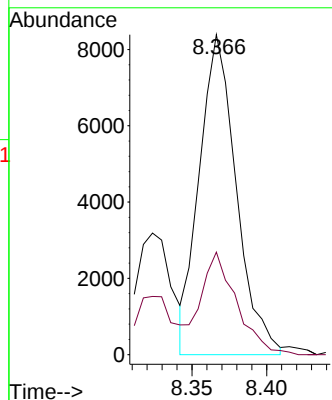
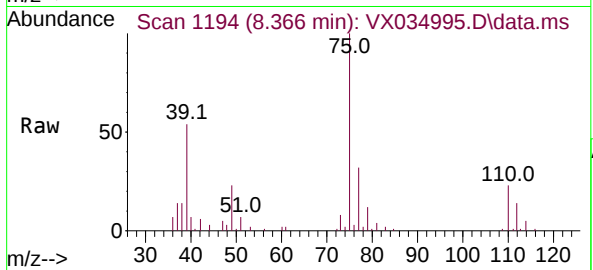
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 75 Resp: 14381

Ion Ratio Lower Upper

75 100

77 32.1 21.9 40.7



#40

4-Methyl-2-pentanone

Concen: 5.385 ug/L

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

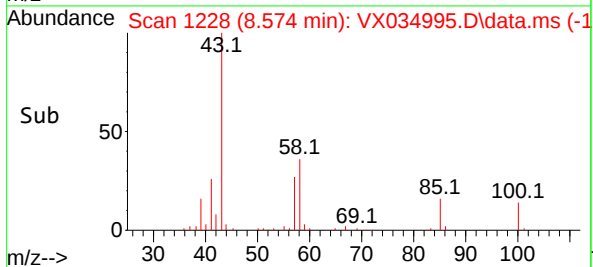
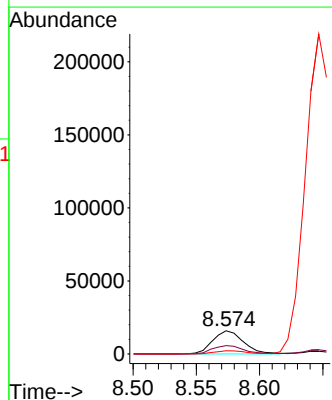
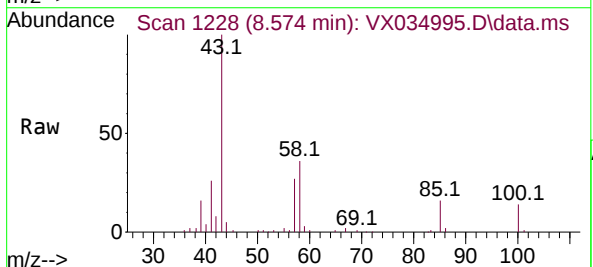
Tgt Ion: 43 Resp: 26669

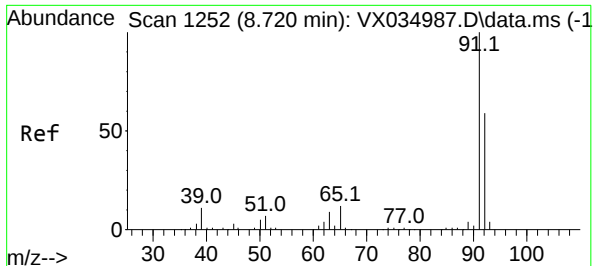
Ion Ratio Lower Upper

43 100

58 36.7 30.1 45.1

100 14.8 11.9 17.9





#42

Toluene

Concen: 2.708 ug/L

RT: 8.720 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

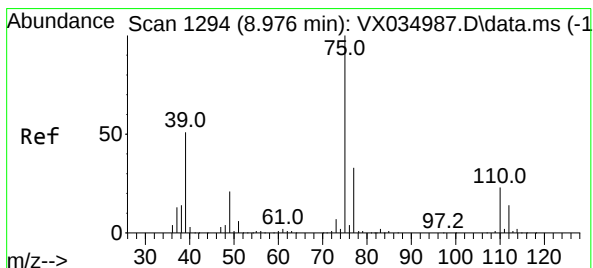
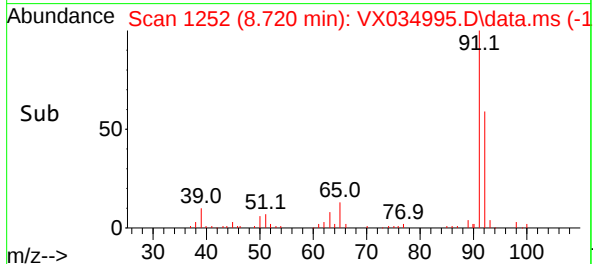
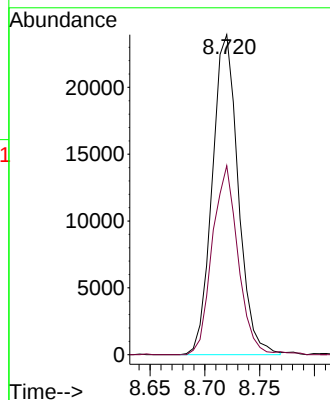
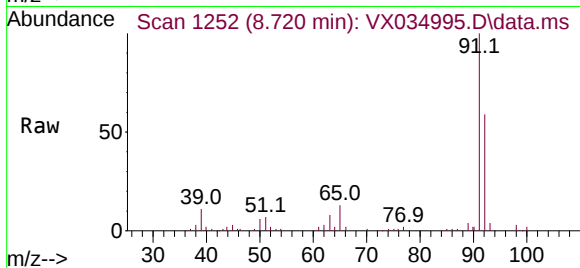
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 91 Resp: 39450

Ion Ratio Lower Upper

91 100

92 59.1 41.4 76.8



#44

trans-1,3-Dichloropropene

Concen: 3.198 ug/L

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX034995.D

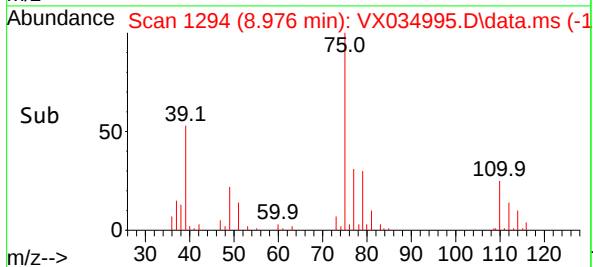
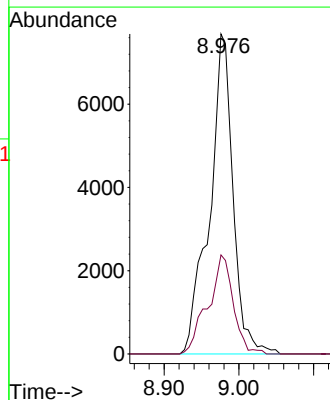
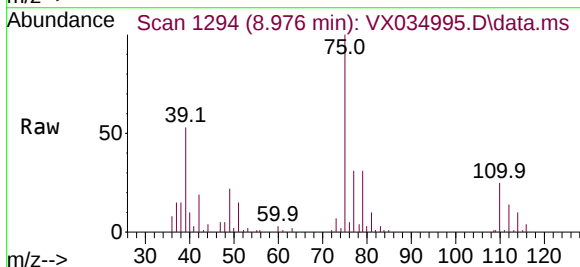
Acq: 10 Apr 2023 15:15

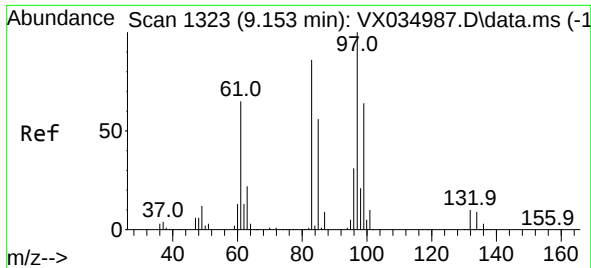
Tgt Ion: 75 Resp: 16771

Ion Ratio Lower Upper

75 100

77 31.0 22.9 42.5





#45

1,1,2-Trichloroethane

Concen: 2.857 ug/L

RT: 9.153 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 97 Resp: 9929

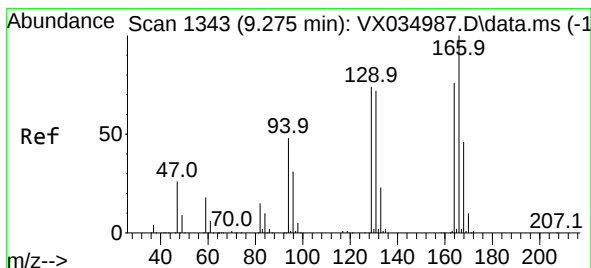
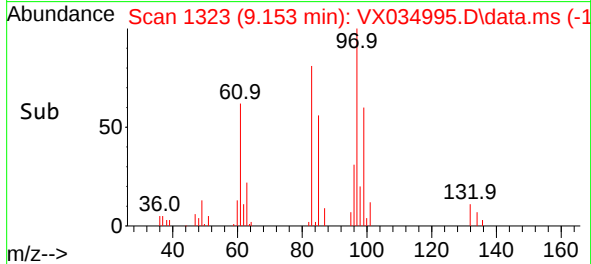
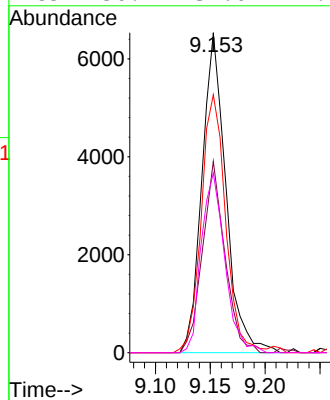
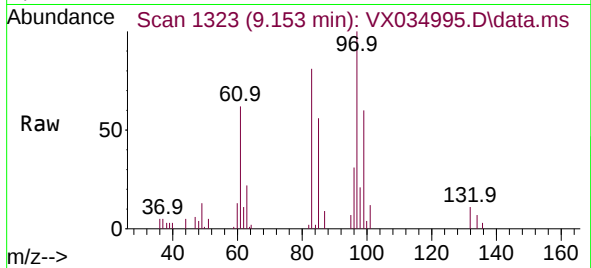
Ion Ratio Lower Upper

97 100

99 59.8 44.8 83.2

83 80.6 60.5 112.3

85 56.2 39.0 72.4



#46

Tetrachloroethene

Concen: 2.656 ug/L

RT: 9.275 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Tgt Ion: 164 Resp: 7505

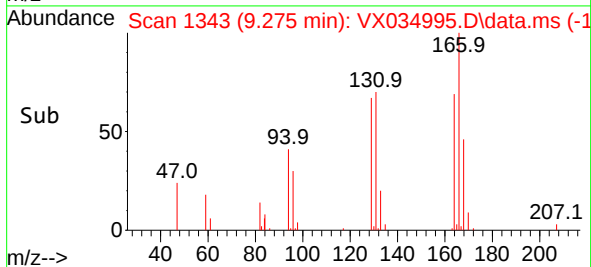
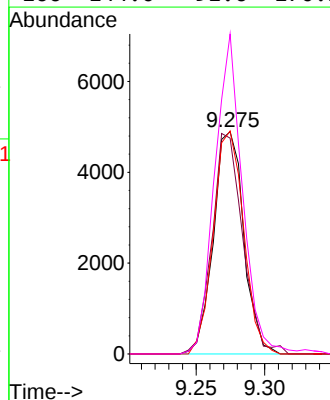
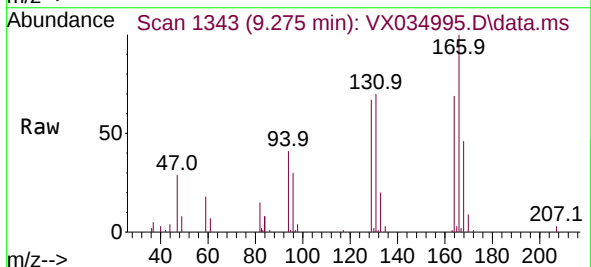
Ion Ratio Lower Upper

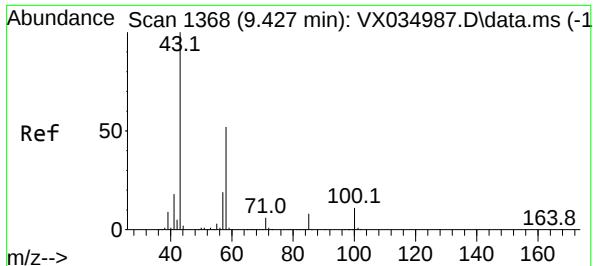
164 100

129 97.1 67.7 125.7

131 100.3 65.8 122.2

166 144.0 91.6 170.2

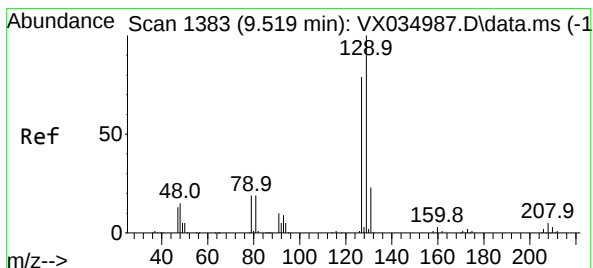
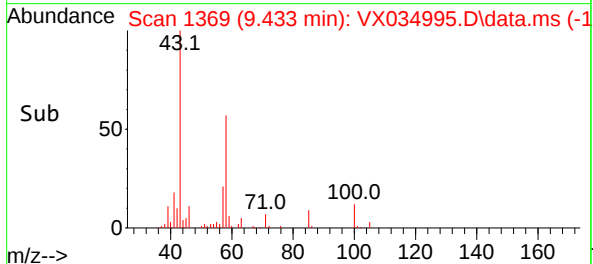
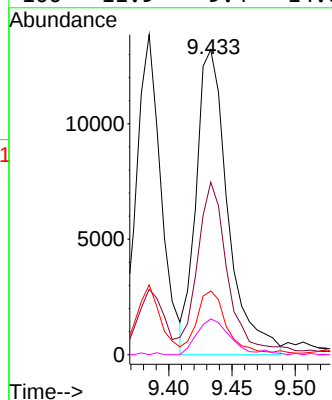
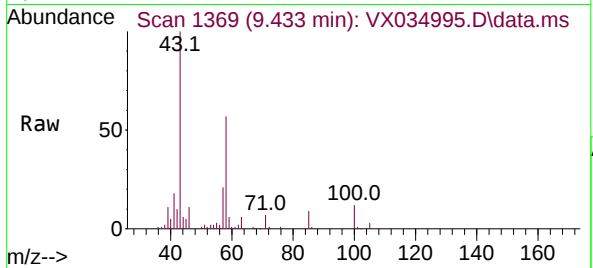




#48  
2-Hexanone  
Concen: 5.959 ug/L  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

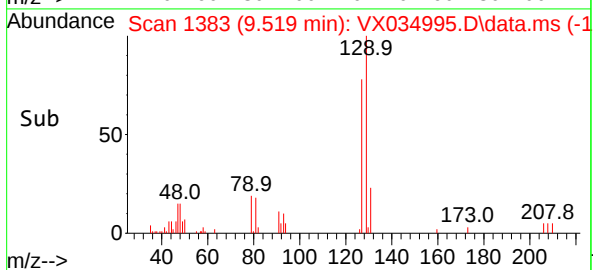
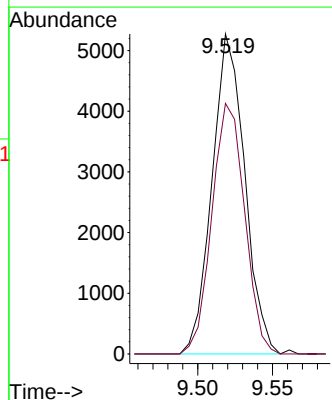
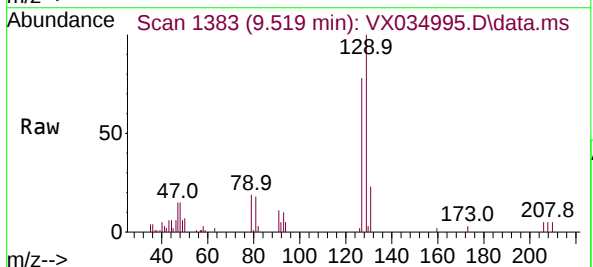
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03

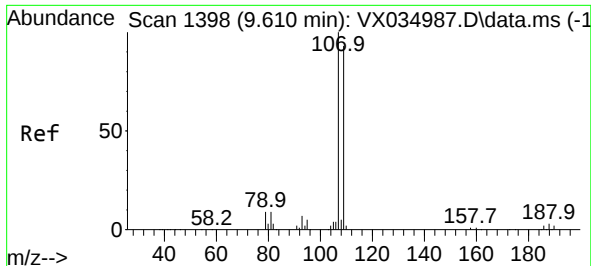
|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 23135 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 55.6     | 42.1 63.1   |
| 57 19.2     | 15.0 22.6   |
| 100 11.9    | 9.4 14.0    |



#49  
Dibromochloromethane  
Concen: 2.340 ug/L  
RT: 9.519 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

|              |             |
|--------------|-------------|
| Tgt Ion: 129 | Resp: 8001  |
| Ion Ratio    | Lower Upper |
| 129 100      |             |
| 127 76.3     | 55.0 102.2  |





#50

1,2-Dibromoethane

Concen: 2.689 ug/L

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

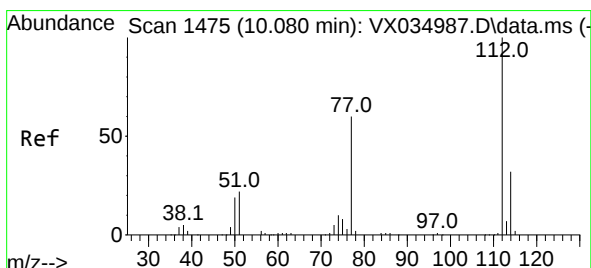
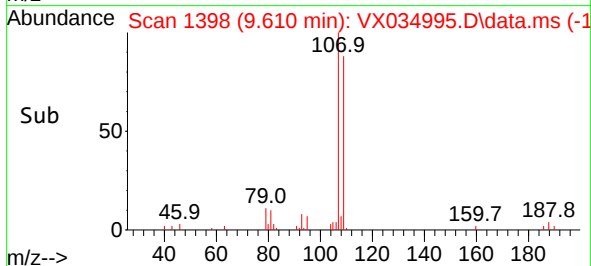
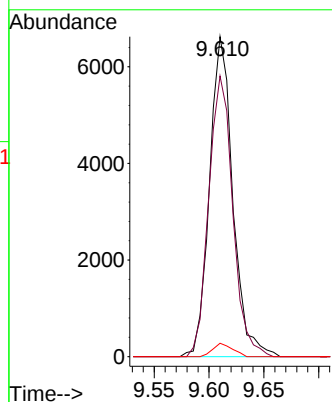
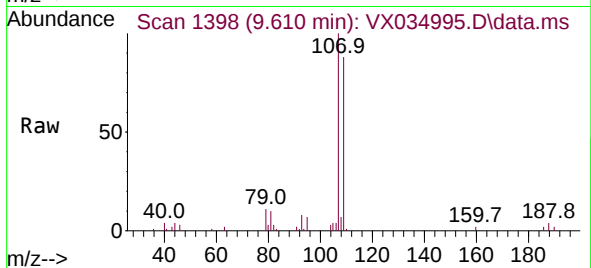
Instrument :

MSVOA\_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 9807  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 87.7  | 65.4  | 121.4 |
| 188      | 4.2   | 2.7   | 4.1#  |



#51

Chlorobenzene

Concen: 2.705 ug/L

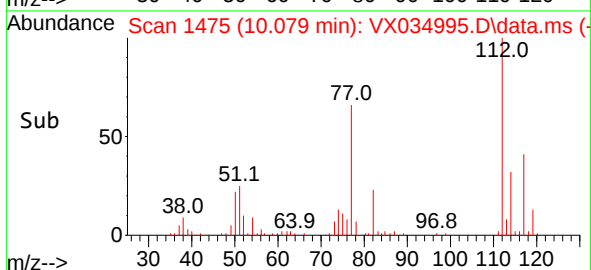
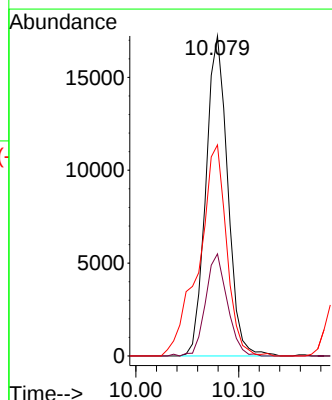
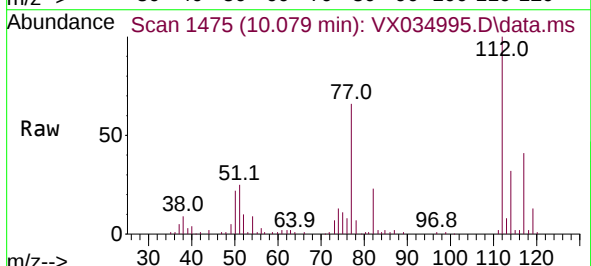
RT: 10.079 min Scan# 1475

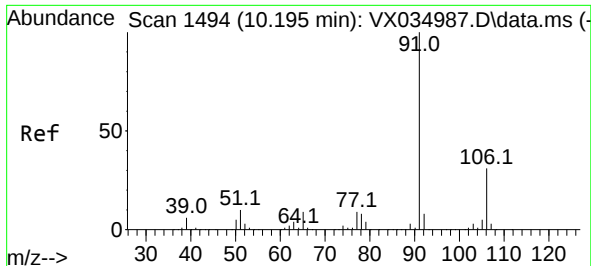
Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 25404 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 31.9  | 22.6  | 42.0  |
| 77       | 65.9  | 48.8  | 73.2  |

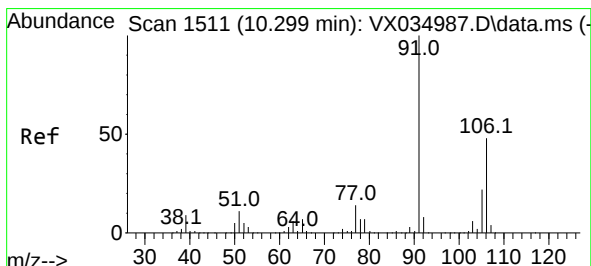
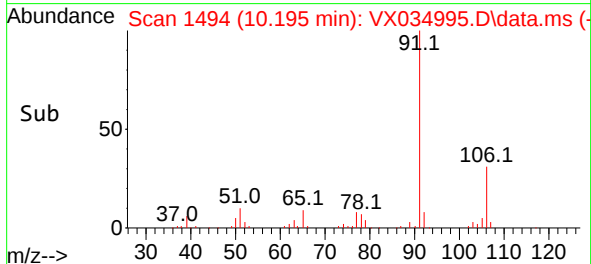
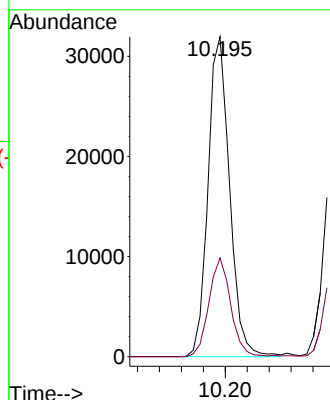
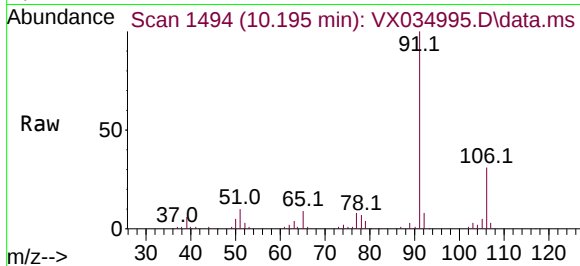




#52  
Ethylbenzene  
Concen: 2.637 ug/L  
RT: 10.195 min Scan# 1494  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

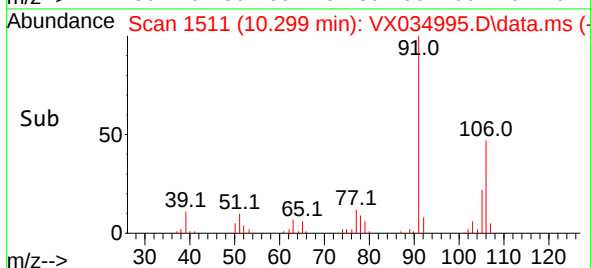
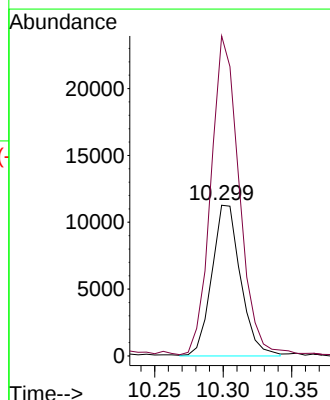
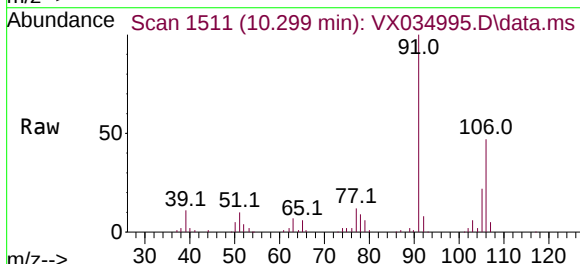
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03

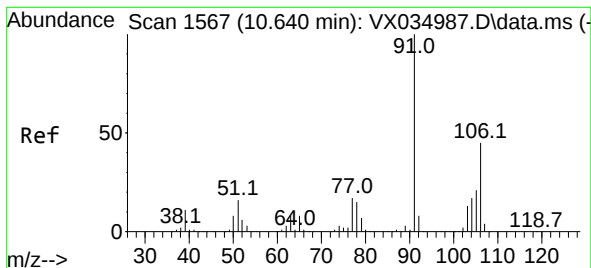
Tgt Ion: 91 Resp: 43600  
Ion Ratio Lower Upper  
91 100  
106 30.9 21.3 39.6



#53  
m,p-Xylene  
Concen: 2.642 ug/L  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Tgt Ion: 106 Resp: 16461  
Ion Ratio Lower Upper  
106 100  
91 212.3 146.4 272.0





#54

o-Xylene

Concen: 2.547 ug/L

RT: 10.640 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

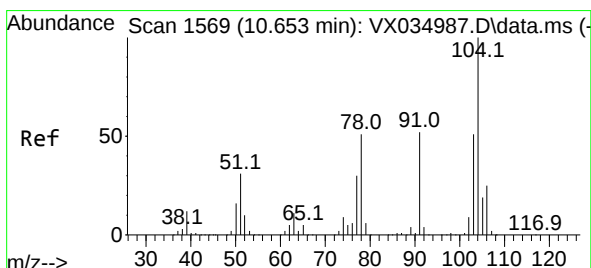
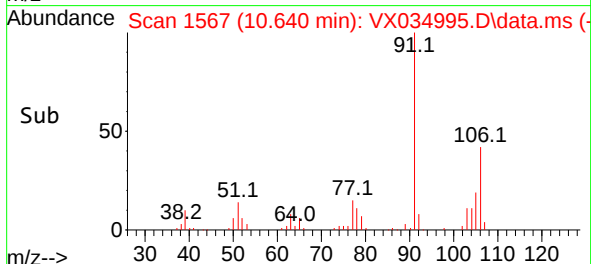
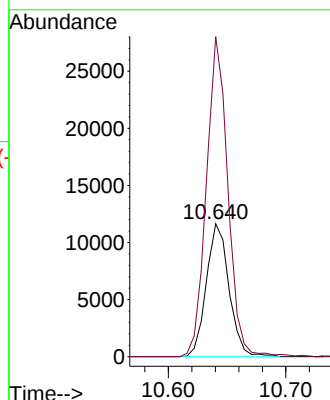
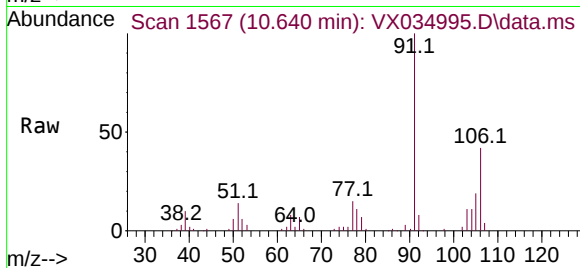
MDL-MED-SOIL-QT2-2023-03

Tgt Ion:106 Resp: 15630

Ion Ratio Lower Upper

106 100

91 240.6 154.0 286.0



#55

Styrene

Concen: 2.403 ug/L

RT: 10.659 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX034995.D

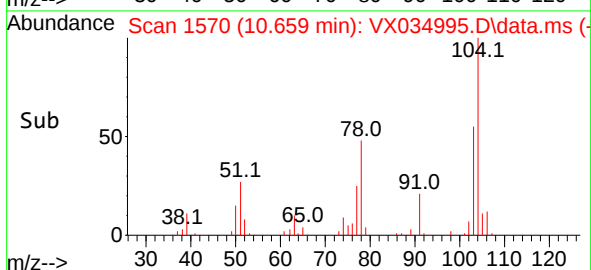
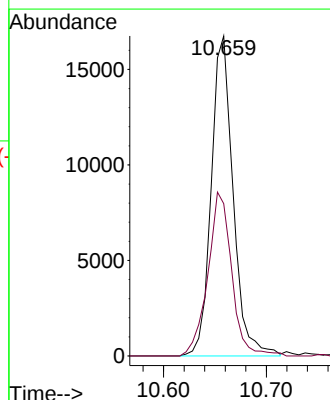
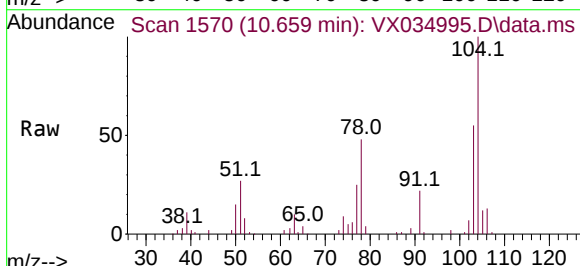
Acq: 10 Apr 2023 15:15

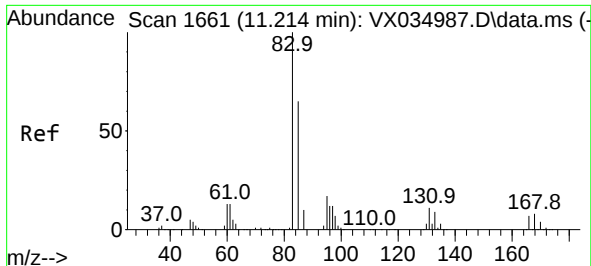
Tgt Ion:104 Resp: 24729

Ion Ratio Lower Upper

104 100

78 47.6 35.4 65.8





#57

1,1,2,2-Tetrachloroethane

Concen: 2.943 ug/L

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

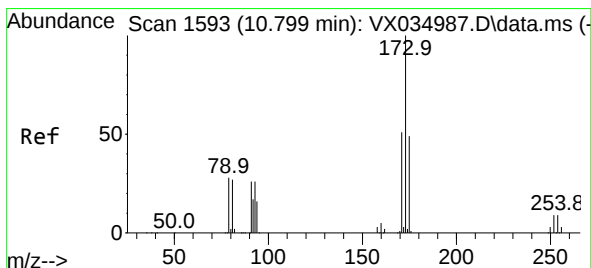
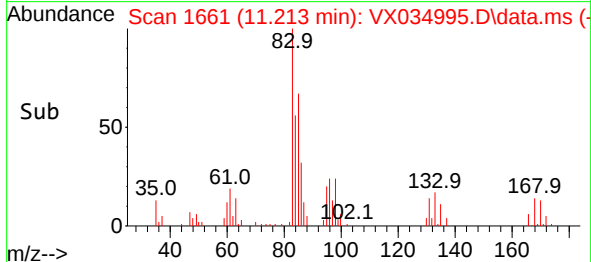
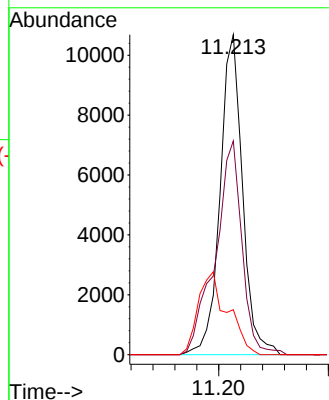
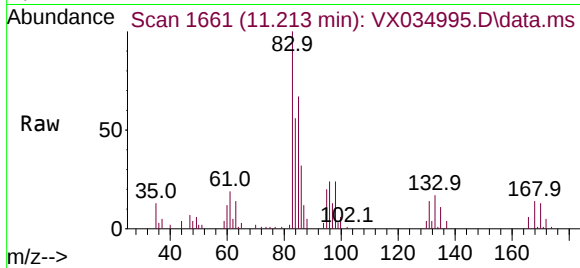
Tgt Ion: 83 Resp: 15189

Ion Ratio Lower Upper

83 100

85 66.8 45.5 84.5

131 14.1 8.6 12.8#



#59

Bromoform

Concen: 2.143 ug/L

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

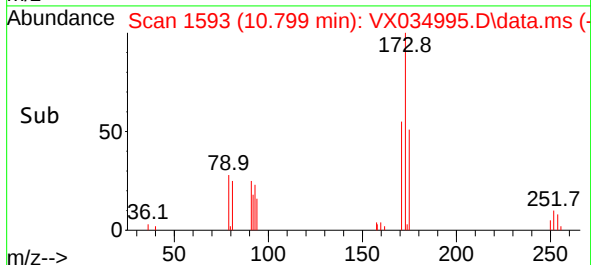
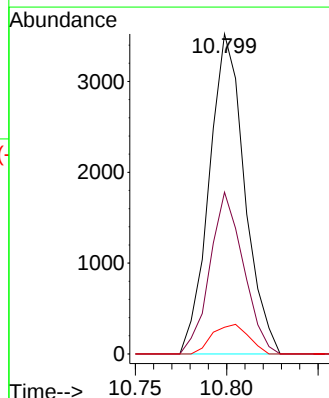
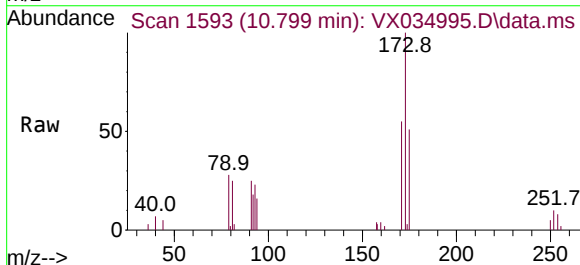
Tgt Ion:173 Resp: 4751

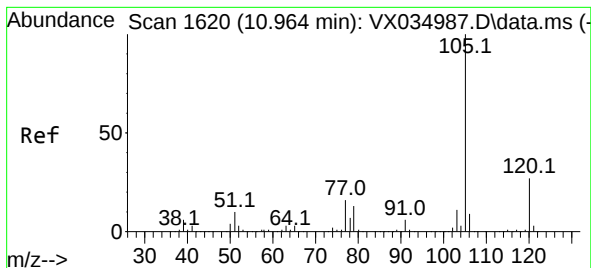
Ion Ratio Lower Upper

173 100

175 47.9 39.0 58.4

254 9.5 7.3 10.9





#60

Isopropylbenzene

Concen: 2.737 ug/L

RT: 10.963 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

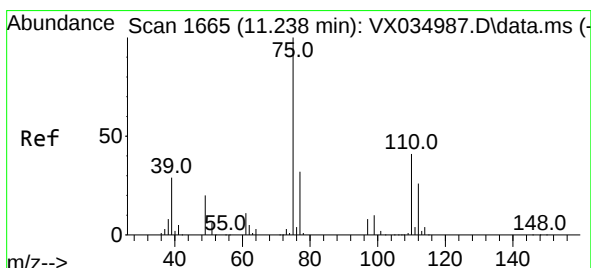
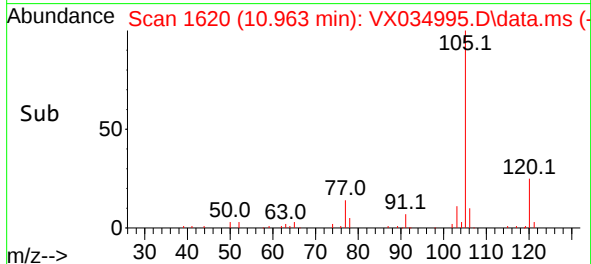
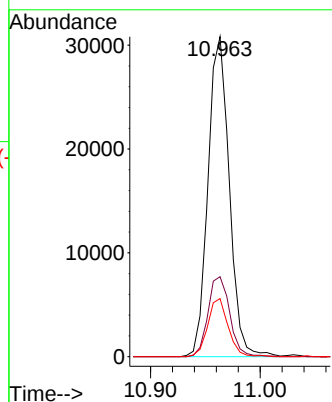
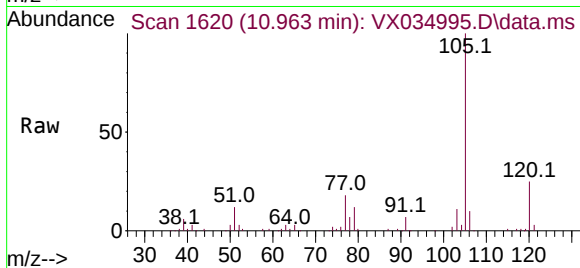
Instrument :

MSVOA\_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 41578 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 25.6  | 21.1  | 31.7  |
| 77       | 17.3  | 13.3  | 19.9  |



#61

1,2,3-Trichloropropane

Concen: 2.856 ug/L

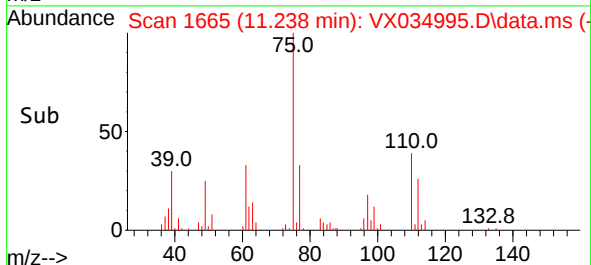
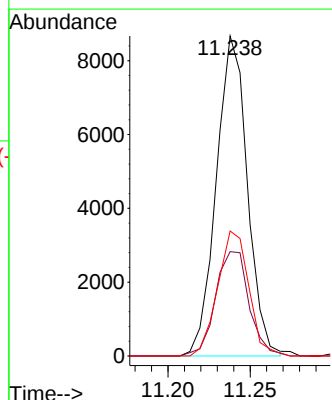
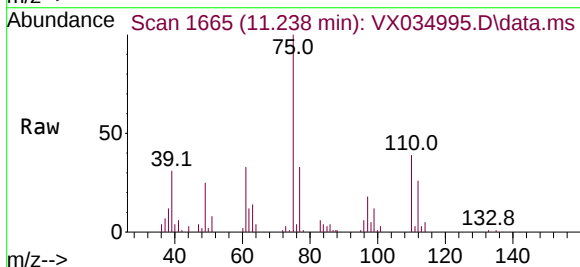
RT: 11.238 min Scan# 1665

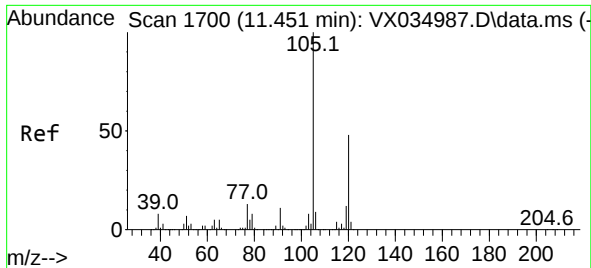
Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11390 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 35.2  | 25.3  | 37.9  |
| 110      | 39.1  | 31.8  | 47.8  |

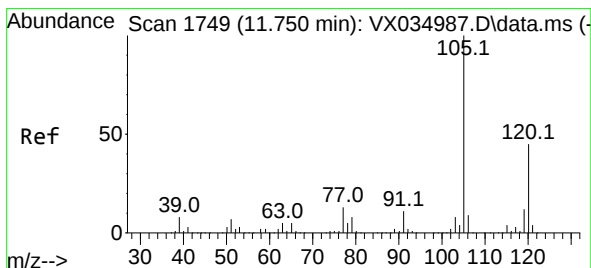
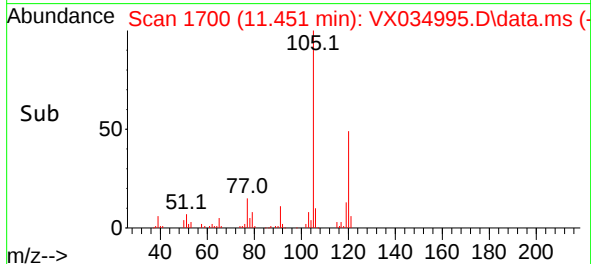
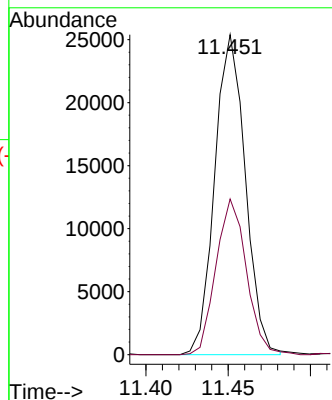
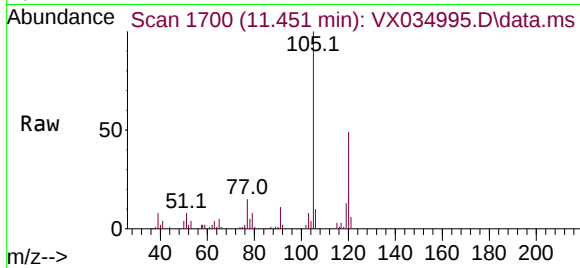




#62  
1,3,5-Trimethylbenzene  
Concen: 2.609 ug/L  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

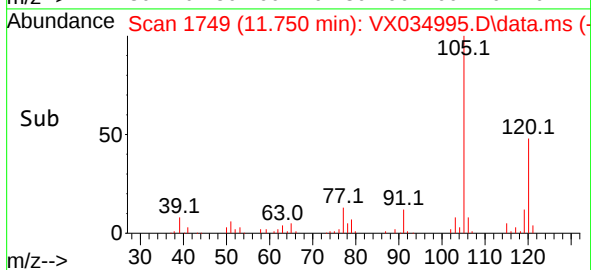
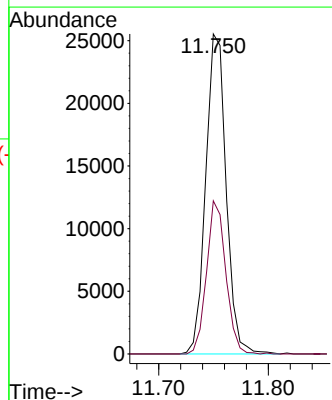
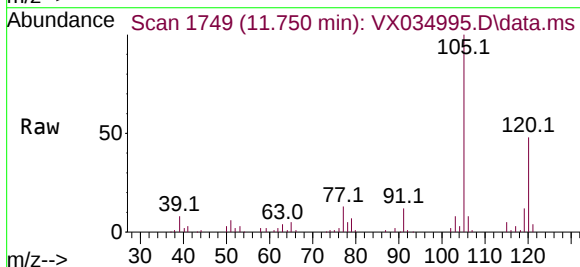
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03

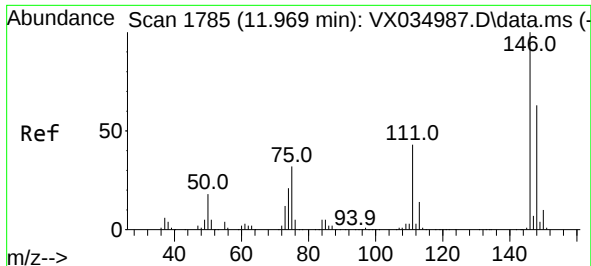
Tgt Ion:105 Resp: 32856  
Ion Ratio Lower Upper  
105 100  
120 48.5 38.0 57.0



#63  
1,2,4-Trimethylbenzene  
Concen: 2.655 ug/L  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Tgt Ion:105 Resp: 33013  
Ion Ratio Lower Upper  
105 100  
120 45.1 35.6 53.4

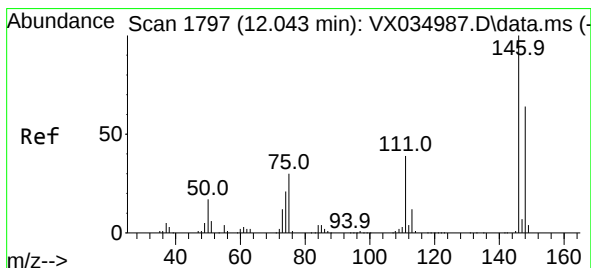
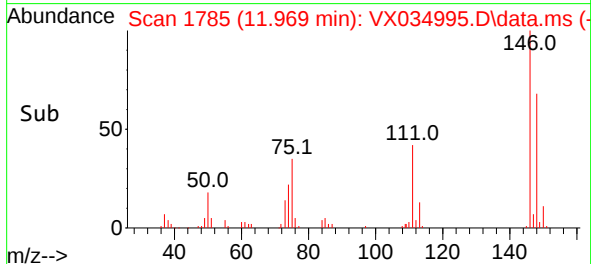
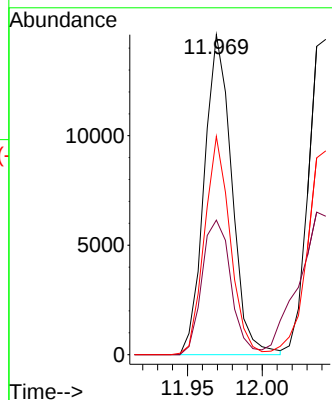
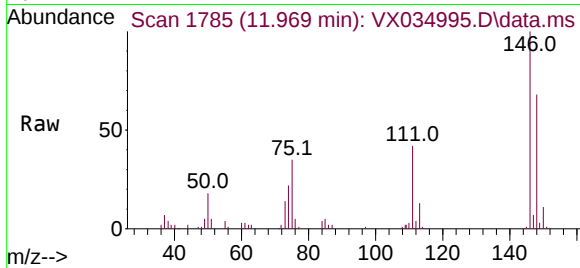




#64  
1,3-Dichlorobenzene  
Concen: 2.764 ug/L  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

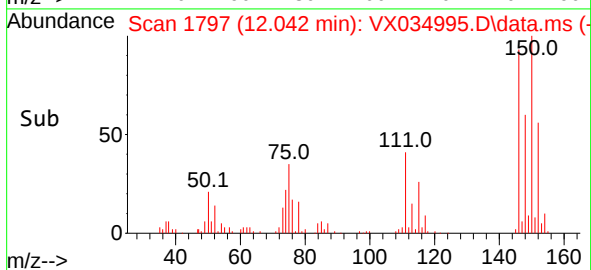
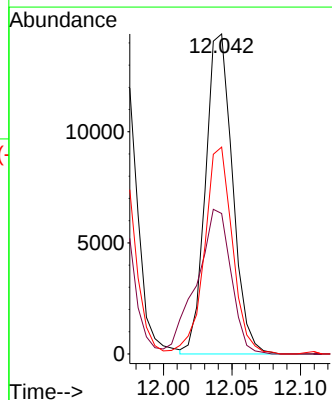
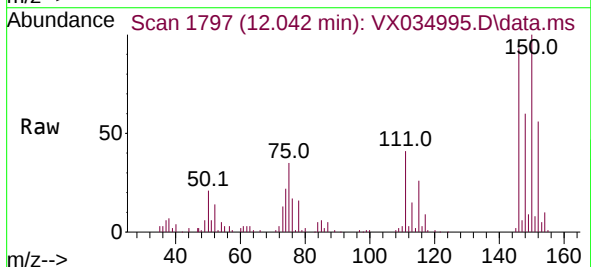
Instrument :  
MSVOA\_X  
ClientSampleId :  
MDL-MED-SOIL-QT2-2023-03

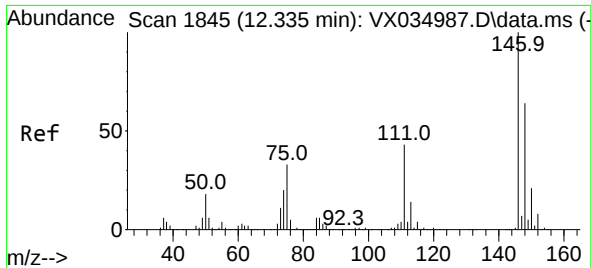
Tgt Ion:146 Resp: 18701  
Ion Ratio Lower Upper  
146 100  
111 42.1 30.3 56.3  
148 68.2 44.2 82.2



#65  
1,4-Dichlorobenzene  
Concen: 2.886 ug/L  
RT: 12.042 min Scan# 1797  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Tgt Ion:146 Resp: 19742  
Ion Ratio Lower Upper  
146 100  
111 43.9 27.5 51.1  
148 64.6 44.4 82.4

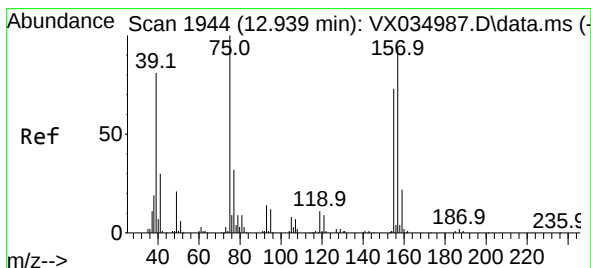
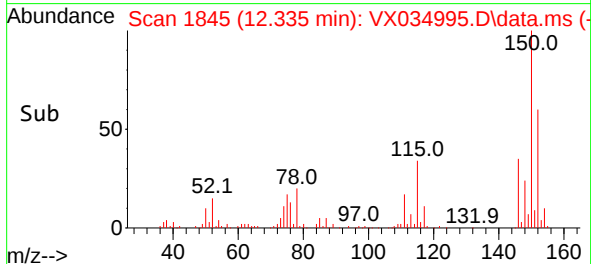
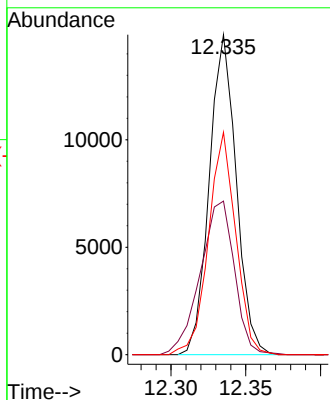
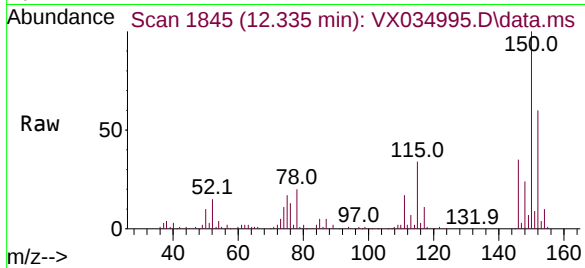




#67  
1,2-Dichlorobenzene  
Concen: 2.798 ug/L  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

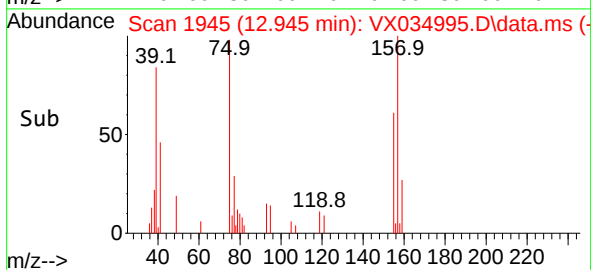
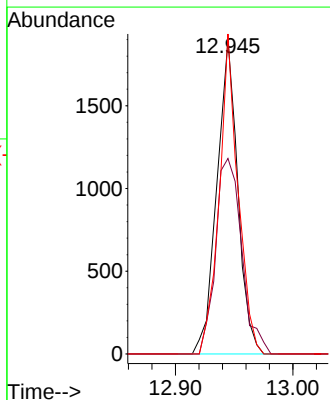
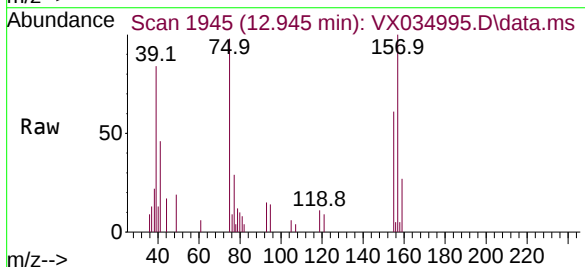
Instrument : MSVOA\_X  
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

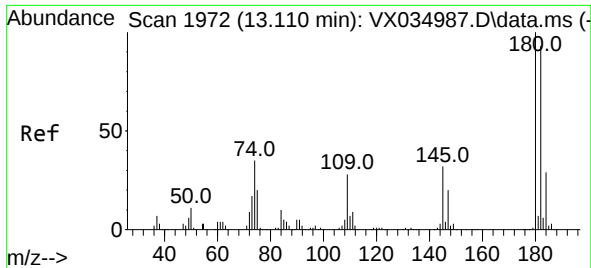
Tgt Ion:146 Resp: 18653  
Ion Ratio Lower Upper  
146 100  
111 48.0 34.4 51.6  
148 69.5 51.0 76.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 2.296 ug/L  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: VX034995.D  
Acq: 10 Apr 2023 15:15

Tgt Ion: 75 Resp: 2344  
Ion Ratio Lower Upper  
75 100  
155 62.2 58.0 87.0  
157 101.8 75.3 112.9

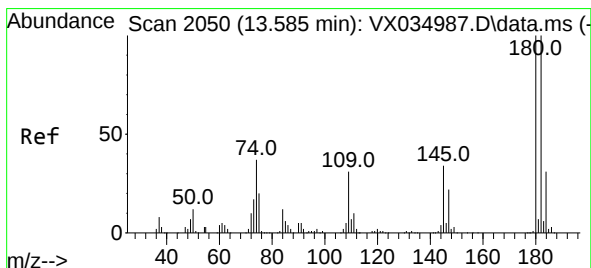
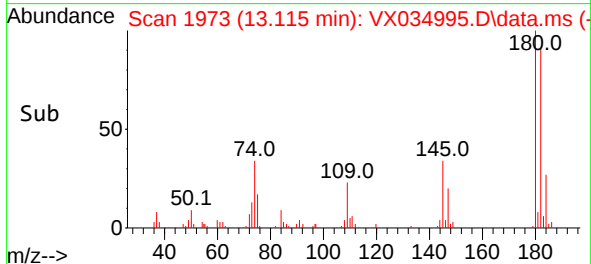
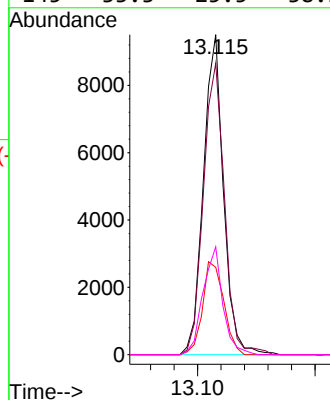
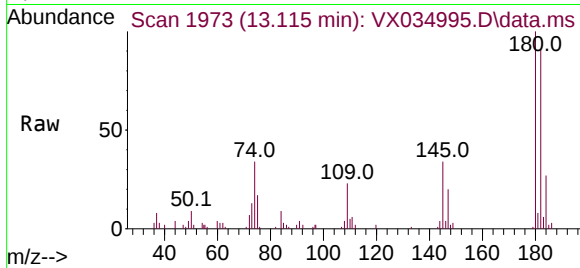




#69  
 1,3,5-Trichlorobenzene  
 Concen: 2.664 ug/L  
 RT: 13.115 min Scan# 1973  
 Delta R.T. 0.006 min  
 Lab File: VX034995.D  
 Acq: 10 Apr 2023 15:15

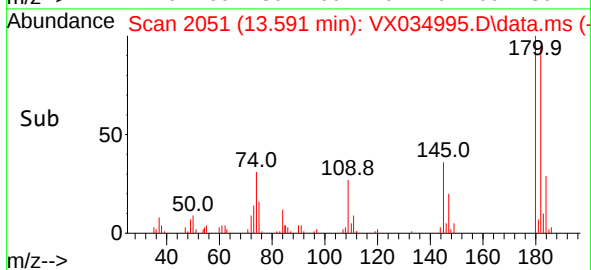
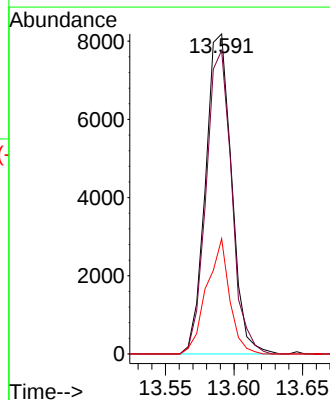
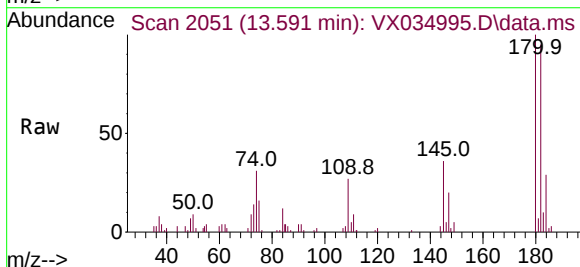
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MDL-MED-SOIL-QT2-2023-03

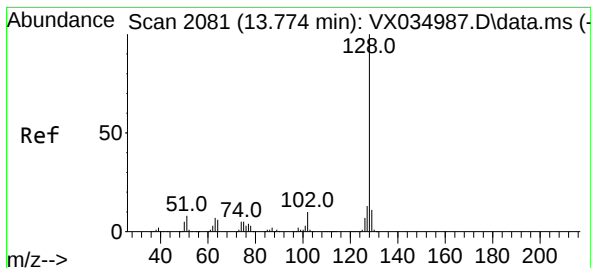
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 11274       |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 93.9  | 76.8 115.2  |
| 184         | 30.7  | 23.8 35.8   |
| 145         | 33.3  | 25.5 38.3   |



#70  
 1,2,4-trichlorobenzene  
 Concen: 2.747 ug/L  
 RT: 13.591 min Scan# 2051  
 Delta R.T. 0.006 min  
 Lab File: VX034995.D  
 Acq: 10 Apr 2023 15:15

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:180 | Resp: | 10813       |
| Ion         | Ratio | Lower Upper |
| 180         | 100   |             |
| 182         | 92.9  | 77.0 115.4  |
| 145         | 31.7  | 26.7 40.1   |





#71

Naphthalene

Concen: 2.484 ug/L

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Instrument :

MSVOA\_X

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

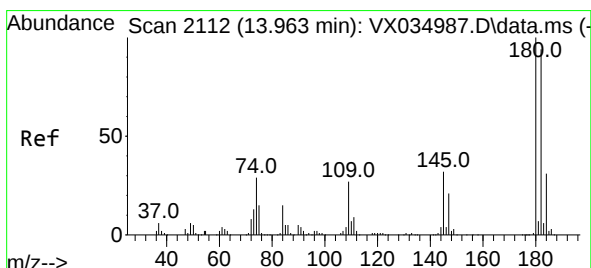
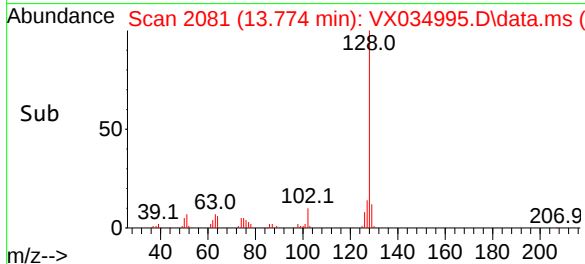
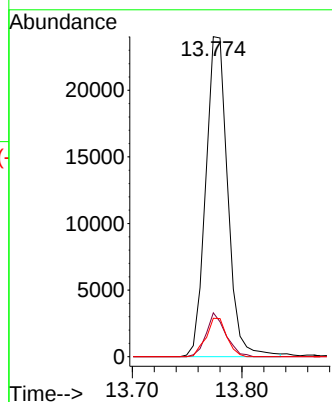
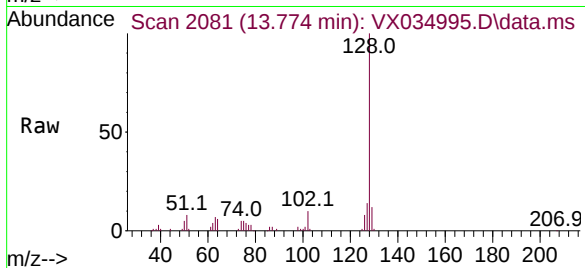
Tgt Ion:128 Resp: 33423

Ion Ratio Lower Upper

128 100

127 12.2 10.2 15.4

129 11.3 8.9 13.3



#72

1,2,3-Trichlorobenzene

Concen: 2.692 ug/L

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX034995.D

Acq: 10 Apr 2023 15:15

Tgt Ion:180 Resp: 10641

Ion Ratio Lower Upper

180 100

182 95.7 76.6 114.8

145 34.9 28.0 42.0

