

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW022223\
 Data File : VW030081.D
 Acq On : 22 Feb 2023 16:03
 Operator : SY/MD
 Sample : 01378-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-02

Quant Time: Feb 22 23:18:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM021723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 22 23:16:18 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.542	114	351604	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	349813	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	206061	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	140038	56.019	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 112.040%			
7) Chloroethane-d5	1.536	69	117212	61.278	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 122.560%			
11) 1,1-Dichloroethene-d2	2.066	63	195802	40.944	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 81.880%			
21) 2-Butanone-d5	3.799	46	151742	97.267	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 97.270%			
24) Chloroform-d	4.259	84	241040	51.875	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 103.760%			
26) 1,2-Dichloroethane-d4	4.950	65	144238	52.516	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.040%			
32) Benzene-d6	4.969	84	488969	52.631	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 105.260%			
36) 1,2-Dichloropropane-d6	5.995	67	156686	53.038	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 106.080%			
41) Toluene-d8	7.249	98	456872	52.107	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 104.220%			
43) trans-1,3-Dichloroprop...	7.558	79	72559	49.423	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 98.840%			
47) 2-Hexanone-d5	8.030	63	125112	90.842	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 90.840%			
56) 1,1,2,2-Tetrachloroeth...	10.162	84	219938	49.633	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 99.260%			
66) 1,2-Dichlorobenzene-d4	11.570	152	193650	52.767	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 105.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.108	85	8452	2.271	ug/L	95
3) Chloromethane	1.217	50	15853	3.320	ug/L	98
5) Vinyl chloride	1.288	62	7801	2.346	ug/L #	68
6) Bromomethane	1.490	94	1481	2.450	ug/L	81
8) Chloroethane	1.555	64	4909	2.530	ug/L	91
9) Trichlorofluoromethane	1.719	101	10913	2.475	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.069	101	8141	3.017	ug/L #	85
12) 1,1-Dichloroethene	2.072	96	7106	2.928	ug/L #	1
13) Acetone	2.130	43	7564	6.317	ug/L	97
14) Carbon disulfide	2.249	76	14873	2.072	ug/L #	94
15) Methyl Acetate	2.384	43	5687	2.284	ug/L	96
16) Methylene chloride	2.452	84	7799	2.935	ug/L	96
17) trans-1,2-Dichloroethene	2.703	96	5714	2.303	ug/L	95
18) Methyl tert-butyl Ether	2.712	73	18117	2.294	ug/L	99
19) 1,1-Dichloroethane	3.121	63	10343	2.262	ug/L	97
20) cis-1,2-Dichloroethene	3.828	96	6357	2.317	ug/L	99
22) 2-Butanone	3.905	43	5831	3.471	ug/L #	62
23) Bromochloromethane	4.159	128	3600	2.461	ug/L	89
25) Chloroform	4.285	83	11763	2.523	ug/L	97

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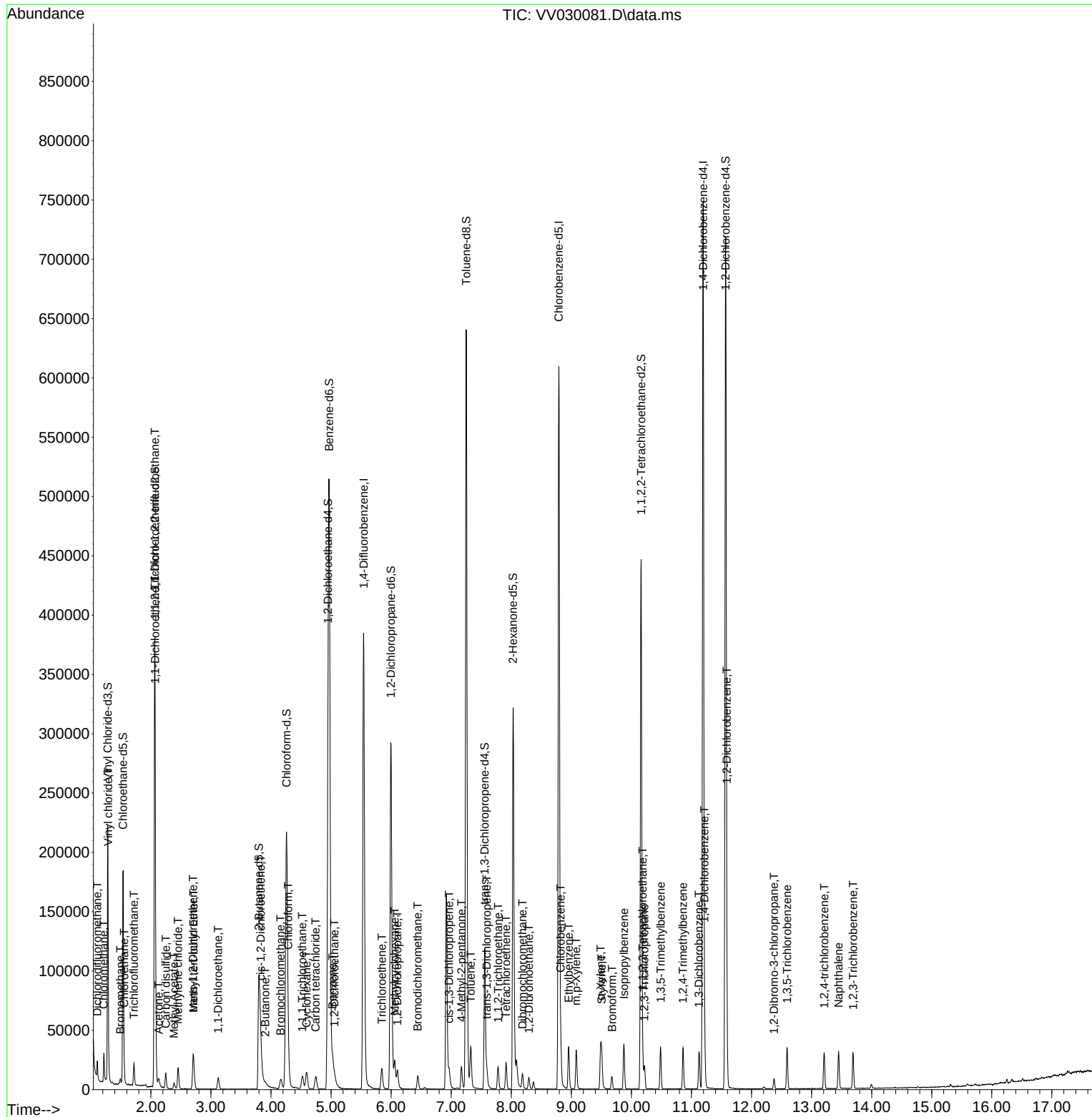
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.056	62	8439	2.424	ug/L #	91
29) Cyclohexane	4.593	56	8272	2.029	ug/L	100
30) 1,1,1-Trichloroethane	4.519	97	5415	1.246	ug/L #	35
31) Carbon tetrachloride	4.744	117	8404	2.203	ug/L	99
33) Benzene	5.024	78	22223	2.153	ug/L	100
34) Trichloroethene	5.847	95	6103	2.173	ug/L	97
35) Methylcyclohexane	6.059	83	8857	1.986	ug/L	99
37) 1,2-Dichloropropane	6.104	63	6675	2.456	ug/L	99
38) Bromodichloromethane	6.442	83	8155	2.234	ug/L #	98
39) cis-1,3-Dichloropropene	6.966	75	9917	2.171	ug/L	97
40) 4-Methyl-2-pentanone	7.172	43	13027	3.855	ug/L	100
42) Toluene	7.326	91	25519	2.260	ug/L	99
44) trans-1,3-Dichloropropene	7.590	75	9500	2.286	ug/L	97
45) 1,1,2-Trichloroethane	7.780	97	6498	2.303	ug/L	95
46) Tetrachloroethene	7.915	164	5034	2.132	ug/L	94
49) Dibromochloromethane	8.188	129	6908	2.362	ug/L	100
50) 1,2-Dibromoethane	8.294	107	6976	2.254	ug/L	97
51) Chlorobenzene	8.821	112	17304	2.299	ug/L	98
52) Ethylbenzene	8.956	91	26467	2.117	ug/L	99
53) m,p-Xylene	9.082	106	9821	2.056	ug/L	94
54) o-Xylene	9.487	106	9233	2.005	ug/L	100
55) Styrene	9.506	104	15497	1.970	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.188	83	11616	2.519	ug/L	97
59) Bromoform	9.677	173	5119	2.509	ug/L #	98
60) Isopropylbenzene	9.876	105	24930	2.034	ug/L	100
61) 1,2,3-Trichloropropane	10.217	75	7934	2.327	ug/L	99
62) 1,3,5-Trimethylbenzene	10.487	105	19247	1.896	ug/L	98
63) 1,2,4-Trimethylbenzene	10.860	105	19089	1.914	ug/L	100
64) 1,3-Dichlorobenzene	11.127	146	13655	2.211	ug/L	96
65) 1,4-Dichlorobenzene	11.217	146	14953	2.367	ug/L	95
67) 1,2-Dichlorobenzene	11.587	146	14469	2.353	ug/L	91
68) 1,2-Dibromo-3-chloropr...	12.374	75	2152	2.164	ug/L	88
69) 1,3,5-Trichlorobenzene	12.593	180	11035	2.239	ug/L	99
70) 1,2,4-trichlorobenzene	13.210	180	10112	2.183	ug/L	96
71) Naphthalene	13.451	128	24548	1.827	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	9049	1.991	ug/L	96

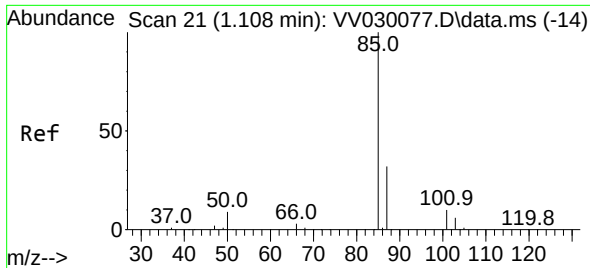
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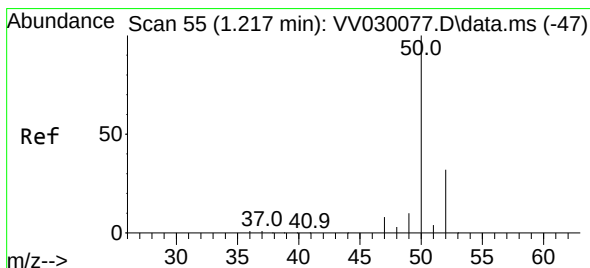
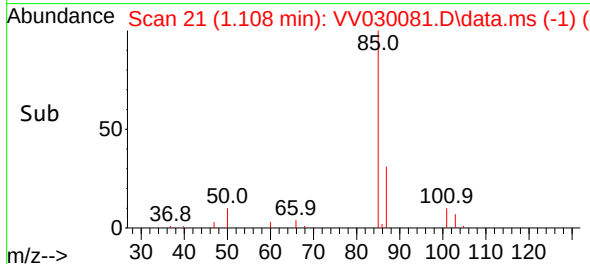
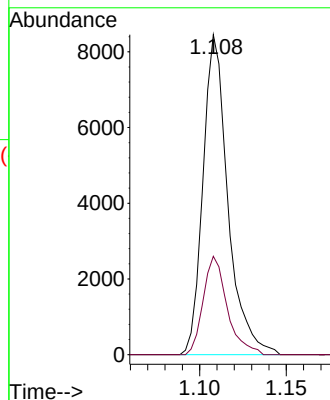
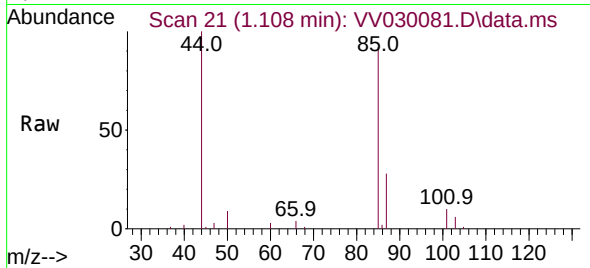




#2
 Dichlorodifluoromethane
 Concen: 2.271 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030081.D
 Acq: 22 Feb 2023 16:03

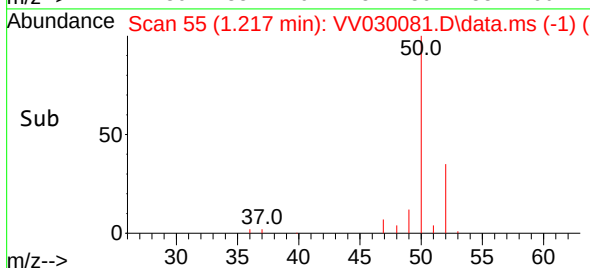
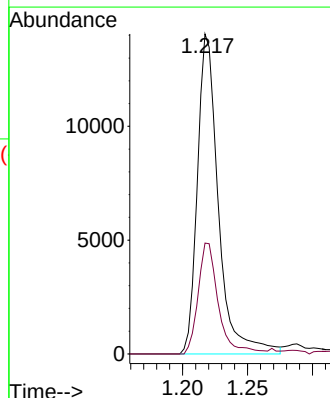
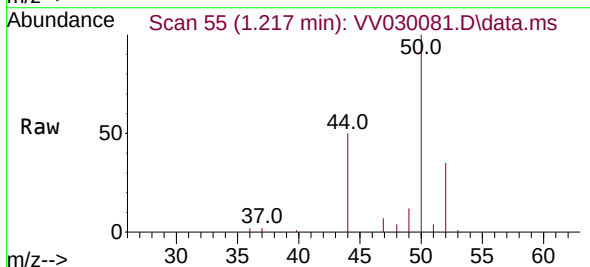
Instrument : MSVOA_V
 ClientSampleId : MDL-MED-SOIL-QT1-2023-02

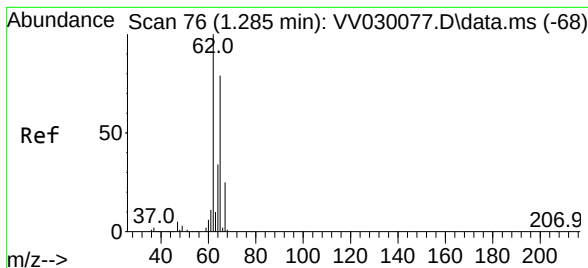
Tgt Ion: 85 Resp: 8452
 Ion Ratio Lower Upper
 85 100
 87 29.6 26.0 39.0



#3
 Chloromethane
 Concen: 3.320 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. -0.000 min
 Lab File: VV030081.D
 Acq: 22 Feb 2023 16:03

Tgt Ion: 50 Resp: 15853
 Ion Ratio Lower Upper
 50 100
 52 34.6 23.4 43.4

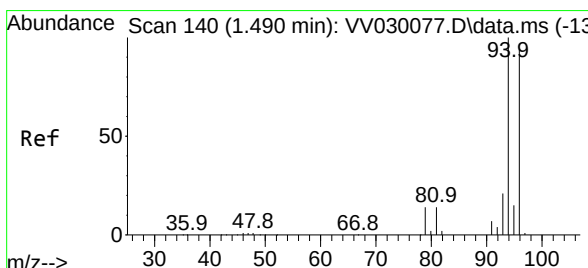
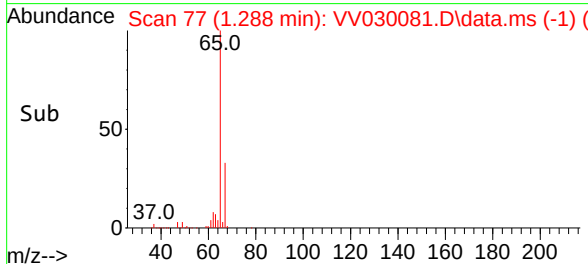
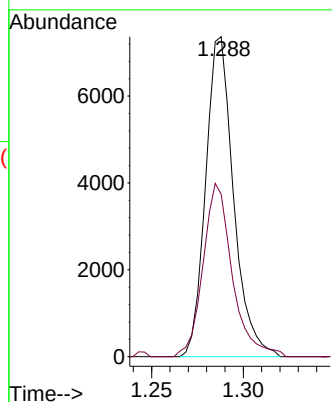
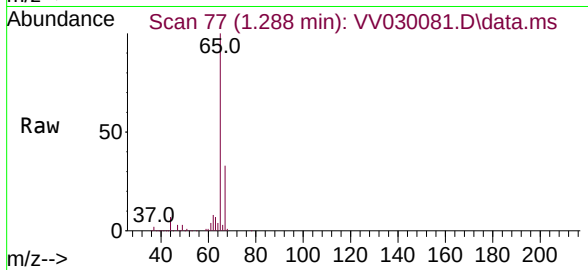




#5
 Vinyl chloride
 Concen: 2.346 ug/L
 RT: 1.288 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VV030081.D
 Acq: 22 Feb 2023 16:03

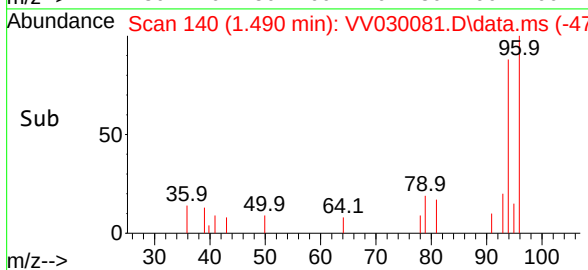
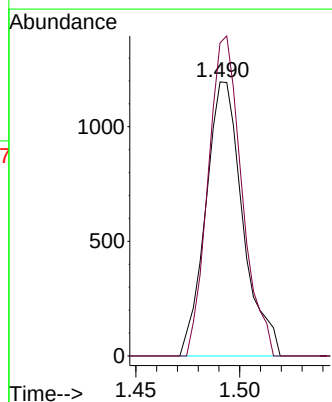
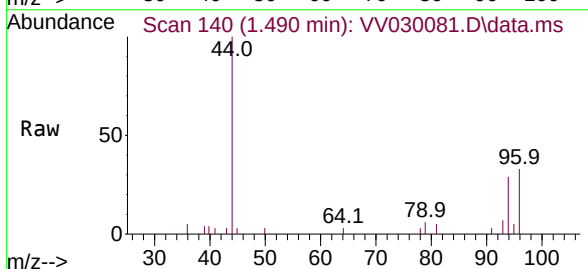
Instrument :
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 ClientSampleId :
 MDL-MED-SOIL-QT1-2023-02

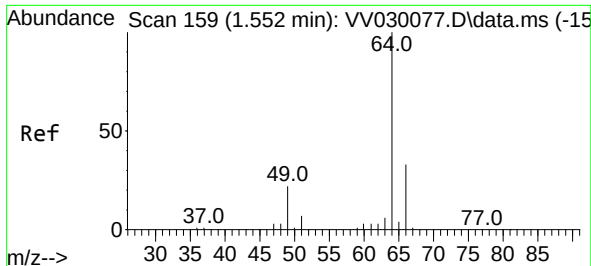
Tgt Ion: 62 Resp: 7801
 Ion Ratio Lower Upper
 62 100
 64 50.8 22.9 42.5#



#6
 Bromomethane
 Concen: 2.450 ug/L
 RT: 1.490 min Scan# 140
 Delta R.T. -0.000 min
 Lab File: VV030081.D
 Acq: 22 Feb 2023 16:03

Tgt Ion: 94 Resp: 1481
 Ion Ratio Lower Upper
 94 100
 96 114.2 66.7 123.9

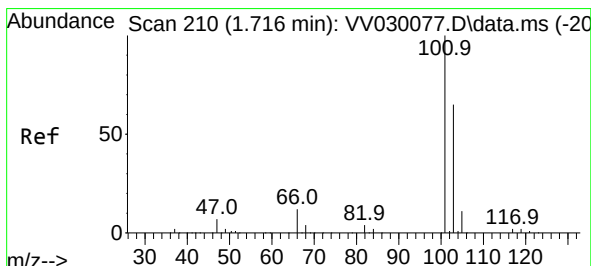
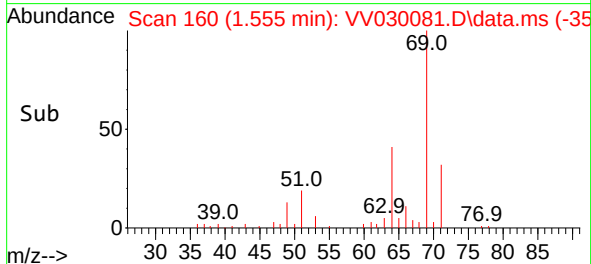
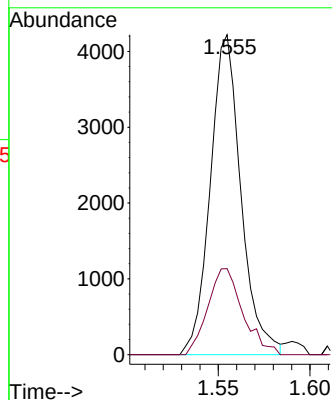
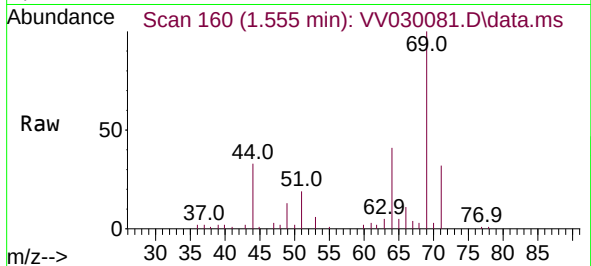




#8
Chloroethane
Concen: 2.530 ug/L
RT: 1.555 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

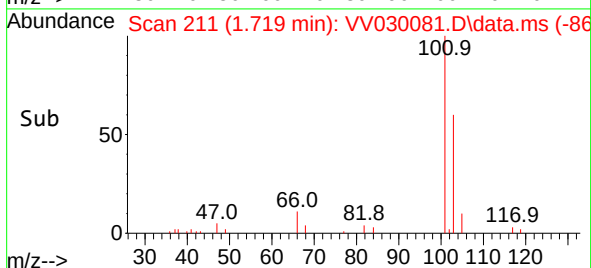
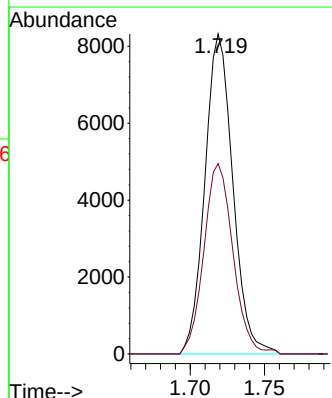
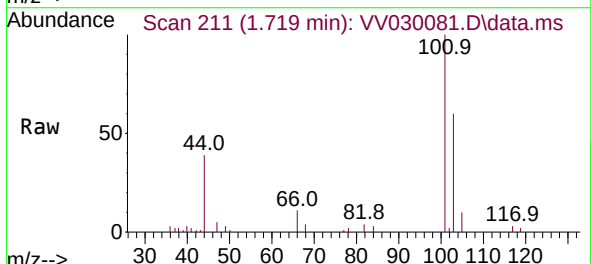
Instrument :
MSVOA_V
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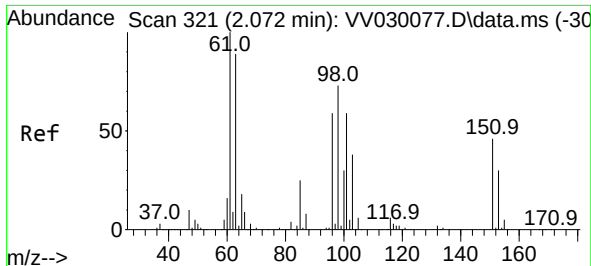
Tgt Ion: 64 Resp: 4909
Ion Ratio Lower Upper
64 100
66 26.9 22.3 41.3



#9
Trichlorofluoromethane
Concen: 2.475 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion:101 Resp: 10913
Ion Ratio Lower Upper
101 100
103 61.5 52.6 78.8





#10

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

Concen: 3.017 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

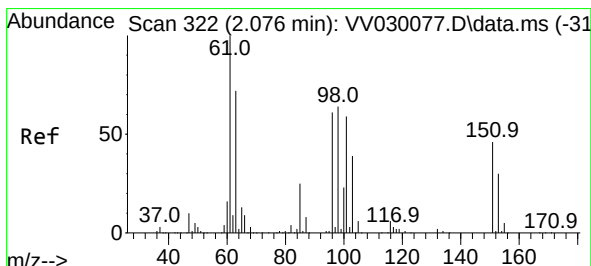
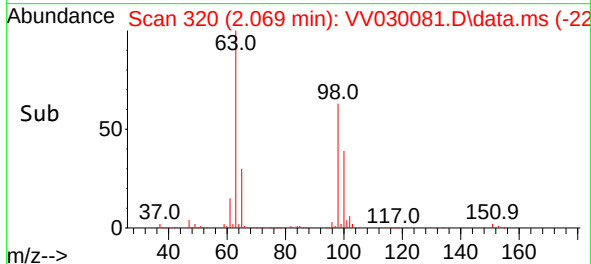
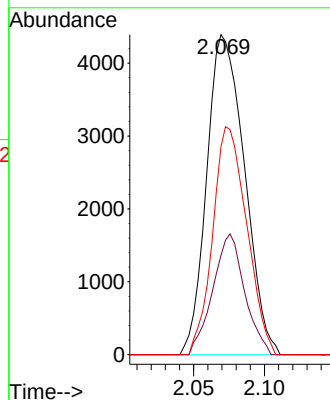
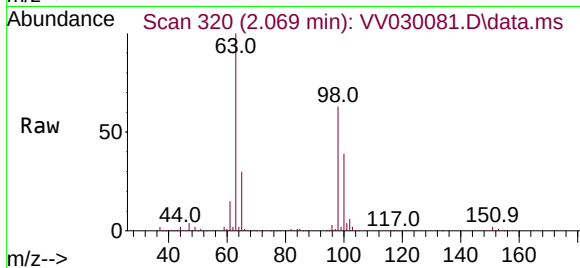
Tgt Ion:101 Resp: 8141

Ion Ratio Lower Upper

101 100

85 31.8 33.4 50.2#

151 64.2 60.8 91.2



#12

1,1-Dichloroethene

Concen: 2.928 ug/L

RT: 2.072 min Scan# 321

Delta R.T. -0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

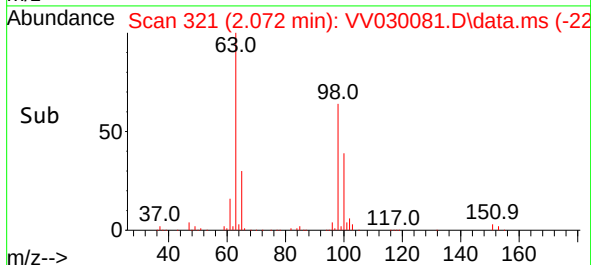
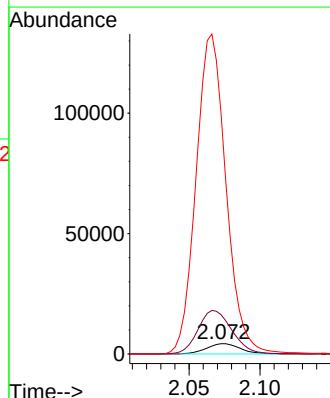
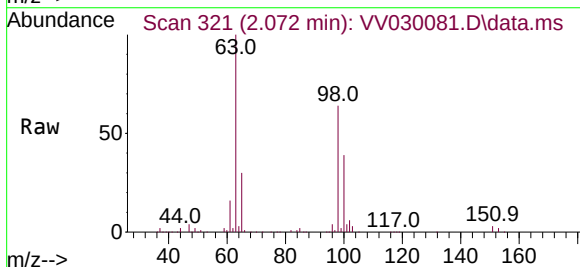
Tgt Ion: 96 Resp: 7106

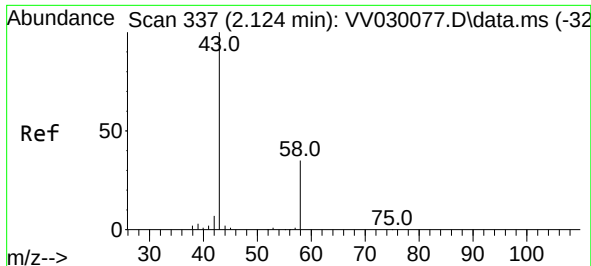
Ion Ratio Lower Upper

96 100

61 382.9 115.8 215.2#

63 2349.3 83.4 154.8#





#13

Acetone

Concen: 6.317 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.006 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

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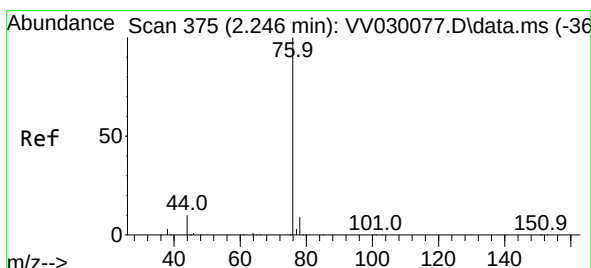
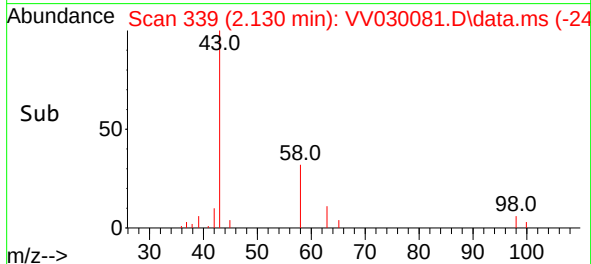
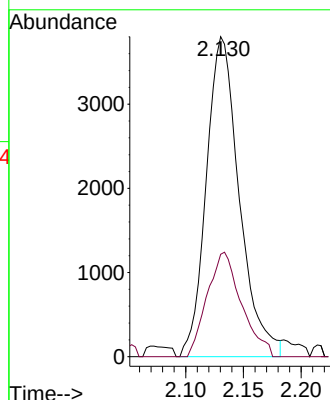
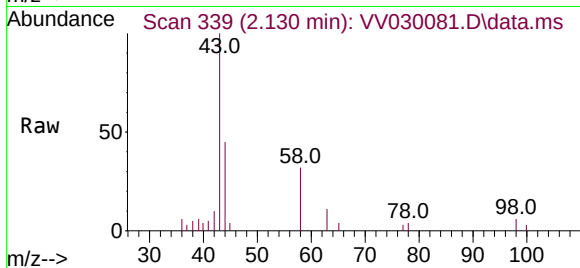
MDL-MED-SOIL-QT1-2023-02

Tgt Ion: 43 Resp: 7564

Ion Ratio Lower Upper

43 100

58 33.8 0.0 70.6



#14

Carbon disulfide

Concen: 2.072 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030081.D

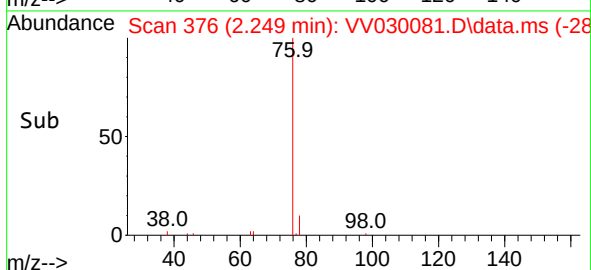
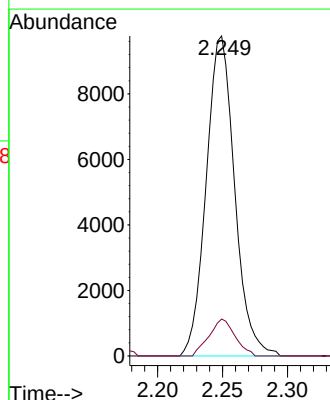
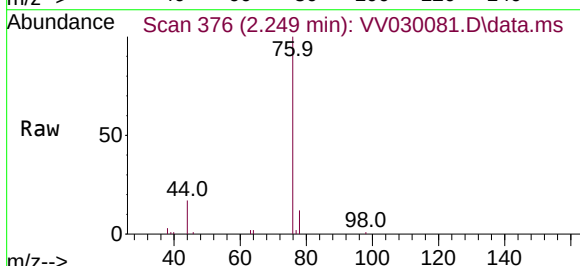
Acq: 22 Feb 2023 16:03

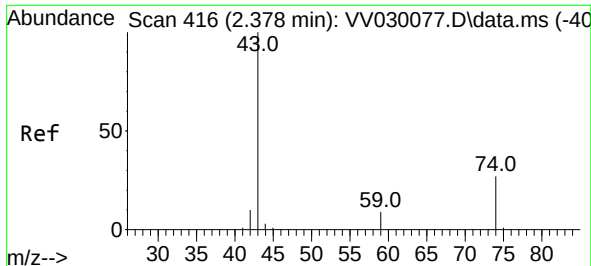
Tgt Ion: 76 Resp: 14873

Ion Ratio Lower Upper

76 100

78 11.5 7.4 11.2#

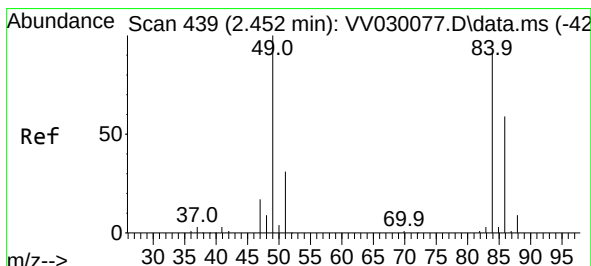
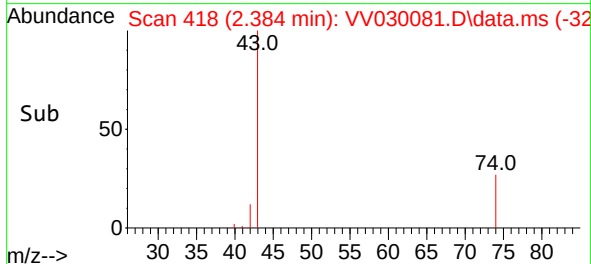
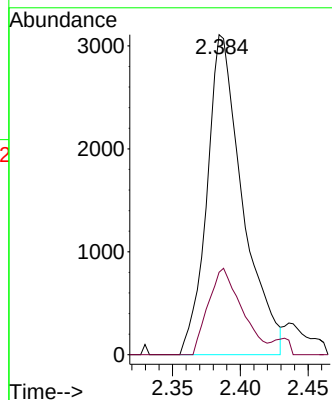
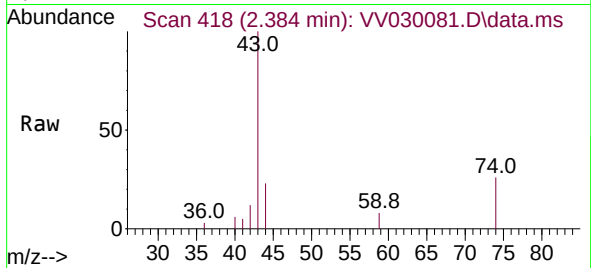




#15
Methyl Acetate
Concen: 2.284 ug/L
RT: 2.384 min Scan# 416
Delta R.T. 0.006 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

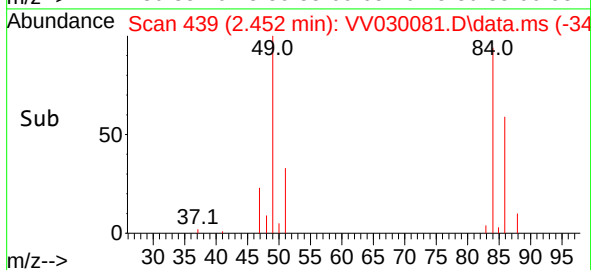
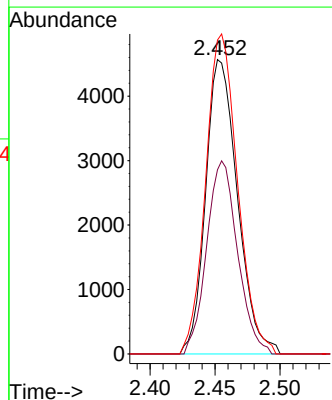
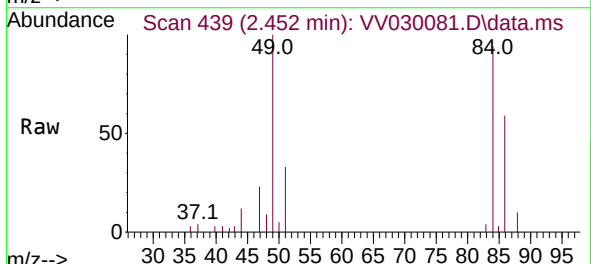
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

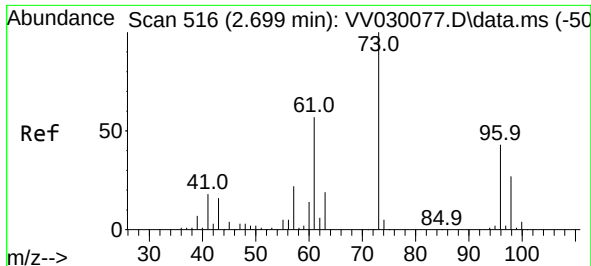
Tgt Ion: 43 Resp: 5687
Ion Ratio Lower Upper
43 100
74 25.5 21.9 32.9



#16
Methylene chloride
Concen: 2.935 ug/L
RT: 2.452 min Scan# 439
Delta R.T. -0.000 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion: 84 Resp: 7799
Ion Ratio Lower Upper
84 100
86 62.6 45.1 83.7
49 106.6 78.7 146.1

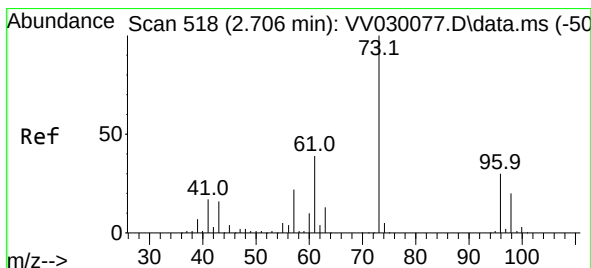
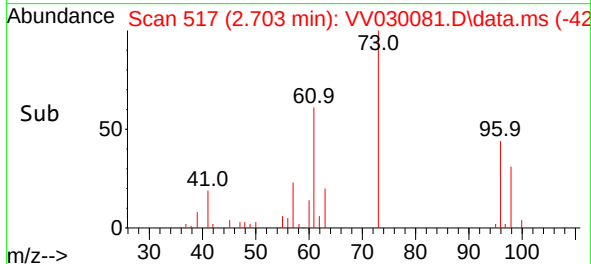
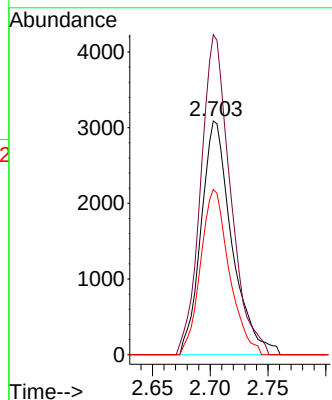
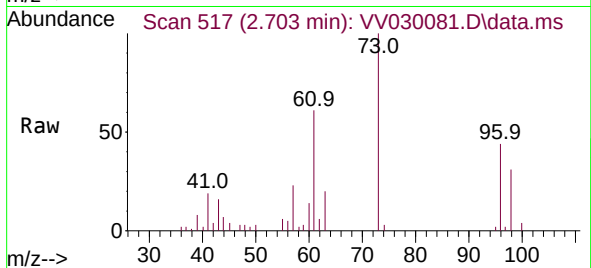




#17
trans-1,2-Dichloroethene
Concen: 2.303 ug/L
RT: 2.703 min Scan# 516
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

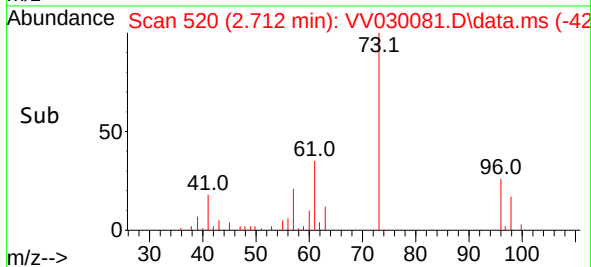
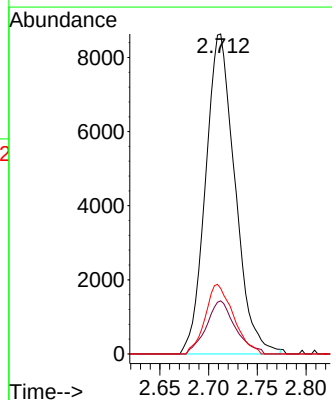
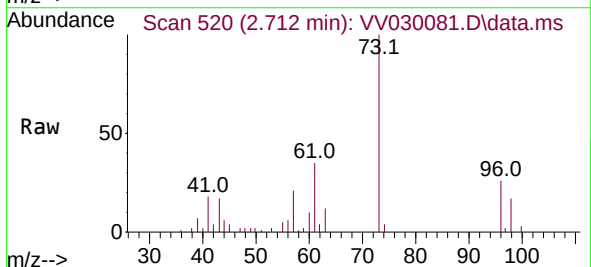
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

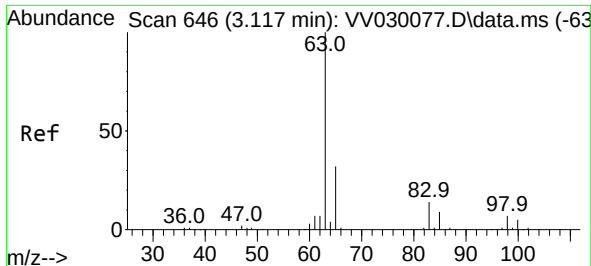
Tgt Ion: 96 Resp: 5714
Ion Ratio Lower Upper
96 100
61 136.9 93.3 173.3
98 70.7 44.1 81.9



#18
Methyl tert-butyl Ether
Concen: 2.294 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.006 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion: 73 Resp: 18117
Ion Ratio Lower Upper
73 100
43 16.3 12.7 19.1
57 20.9 17.0 25.4





#19

1,1-Dichloroethane

Concen: 2.262 ug/L

RT: 3.121 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

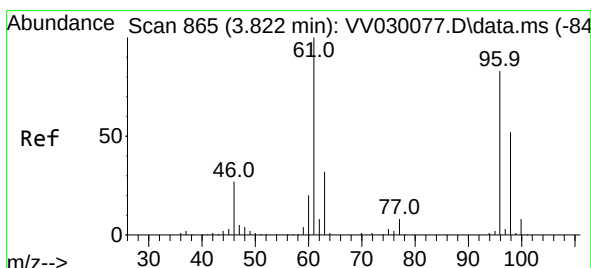
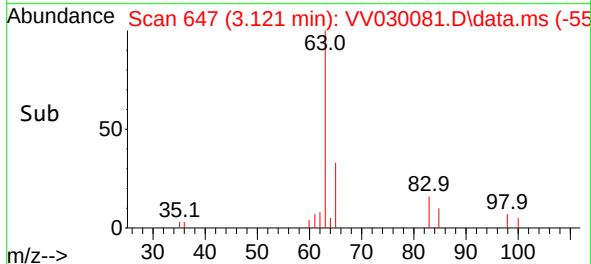
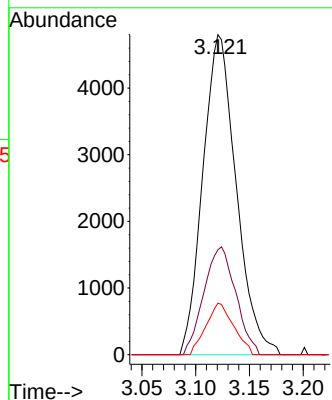
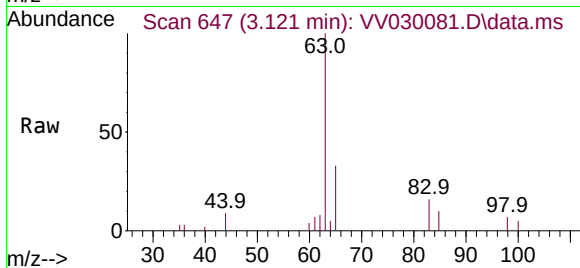
Tgt Ion: 63 Resp: 10343

Ion Ratio Lower Upper

63 100

65 32.8 22.0 41.0

83 16.1 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.317 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.006 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

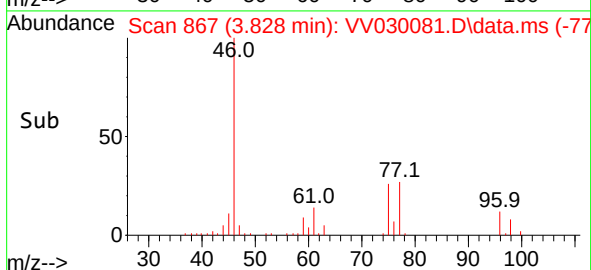
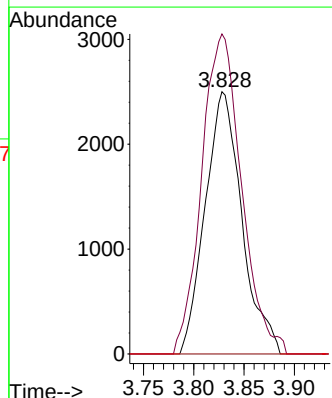
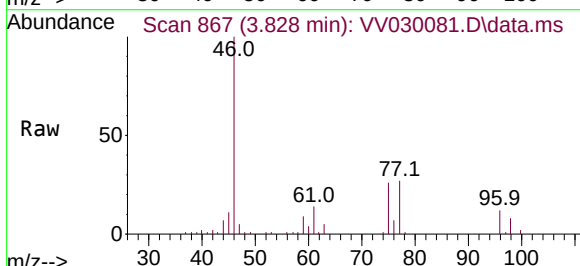
Tgt Ion: 96 Resp: 6357

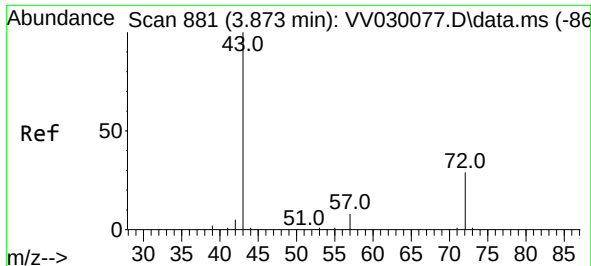
Ion Ratio Lower Upper

96 100

61 122.0 86.0 159.6

68 0.0 0.0 0.0

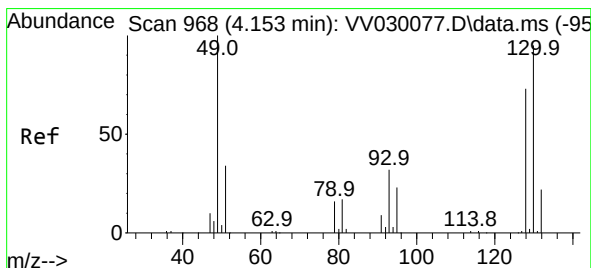
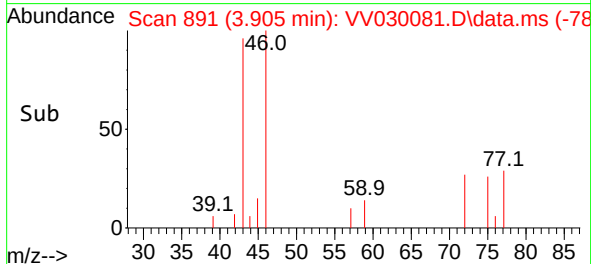
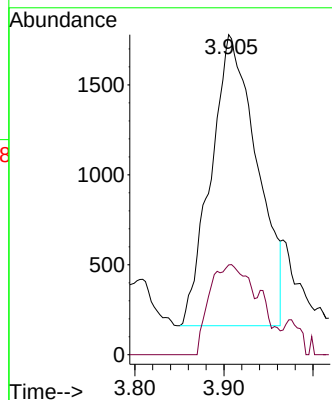
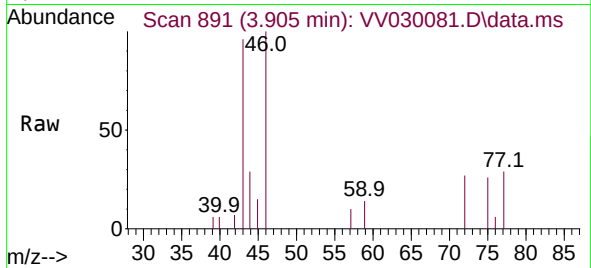




#22
2-Butanone
Concen: 3.471 ug/L
RT: 3.905 min Scan# 891
Delta R.T. 0.032 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

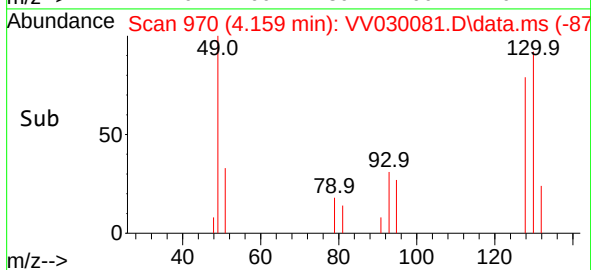
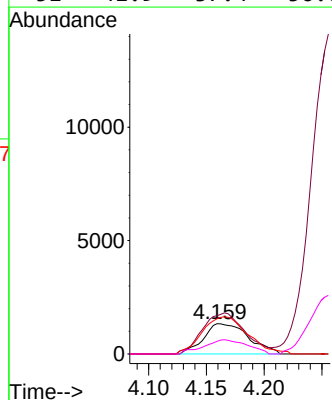
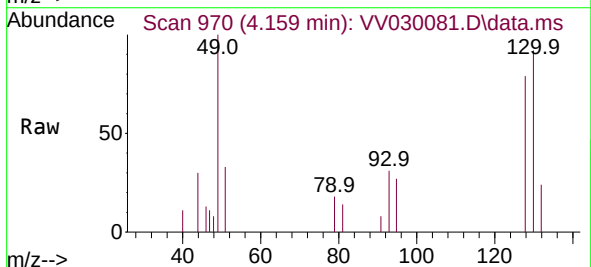
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

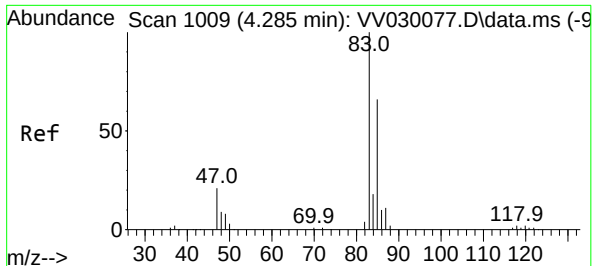
Tgt Ion: 43 Resp: 5831
Ion Ratio Lower Upper
43 100
72 8.8 14.7 44.1#



#23
Bromochloromethane
Concen: 2.461 ug/L
RT: 4.159 min Scan# 970
Delta R.T. 0.006 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion: 128 Resp: 3600
Ion Ratio Lower Upper
128 100
49 126.3 101.0 187.6
130 116.2 88.2 163.8
51 41.9 37.4 56.0

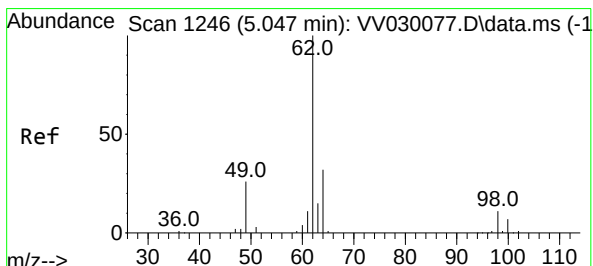
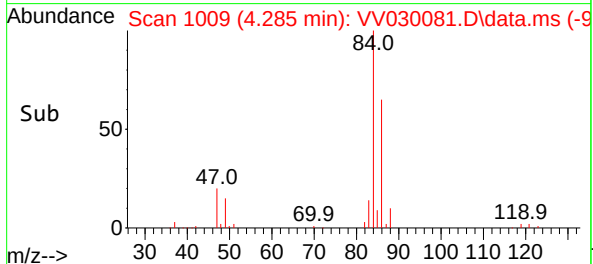
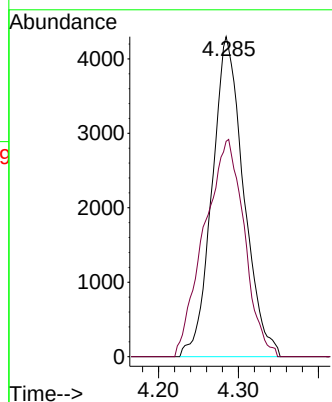
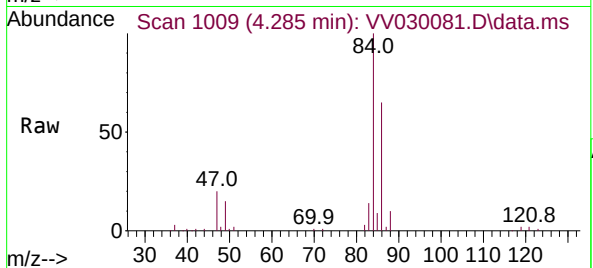




#25
Chloroform
Concen: 2.523 ug/L
RT: 4.285 min Scan# 1009
Delta R.T. -0.000 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

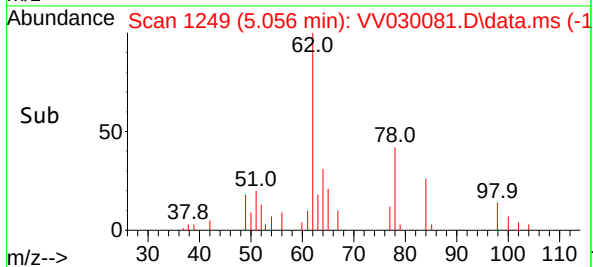
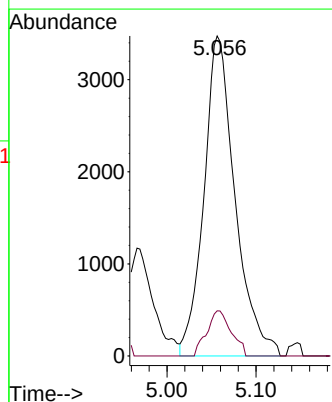
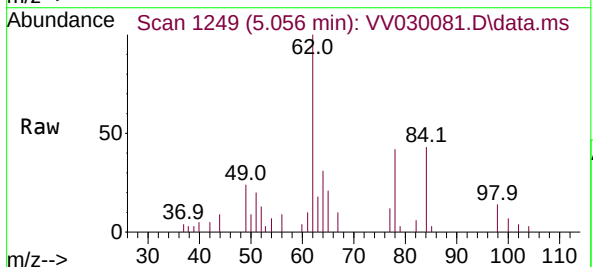
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

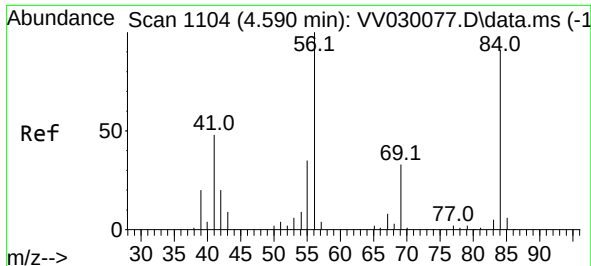
Tgt Ion: 83 Resp: 11763
Ion Ratio Lower Upper
83 100
85 67.3 45.4 84.4



#27
1,2-Dichloroethane
Concen: 2.424 ug/L
RT: 5.056 min Scan# 1249
Delta R.T. 0.010 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion: 62 Resp: 8439
Ion Ratio Lower Upper
62 100
98 14.1 8.5 12.7#





#29

Cyclohexane

Concen: 2.029 ug/L

RT: 4.593 min Scan# 1105

Delta R.T. 0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

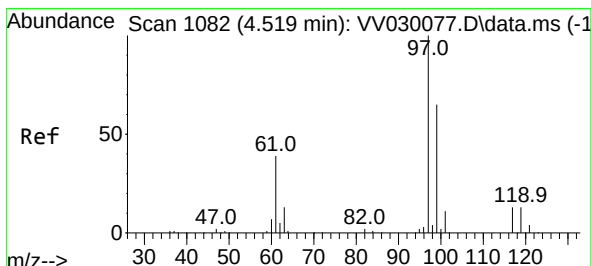
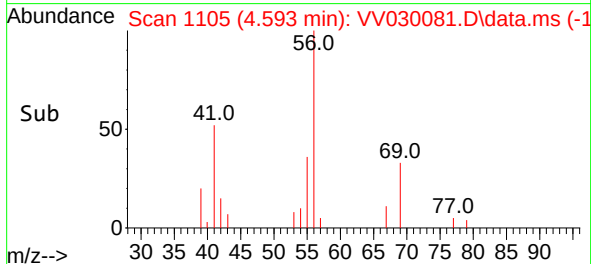
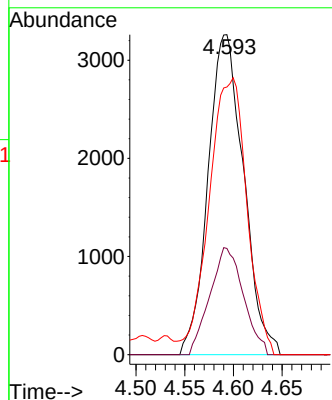
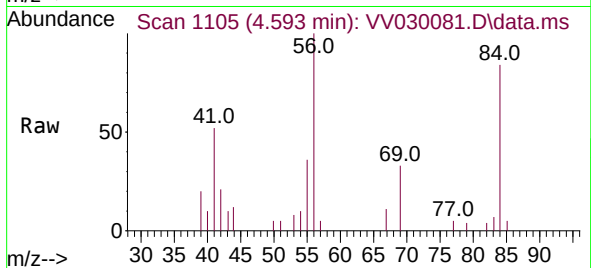
Tgt Ion: 56 Resp: 8272

Ion Ratio Lower Upper

56 100

69 31.5 25.3 37.9

84 91.5 73.0 109.4



#30

1,1,1-Trichloroethane

Concen: 1.246 ug/L

RT: 4.519 min Scan# 1082

Delta R.T. -0.000 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

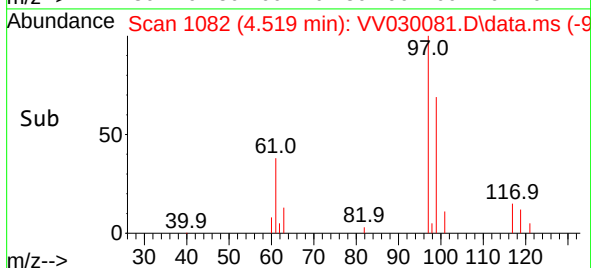
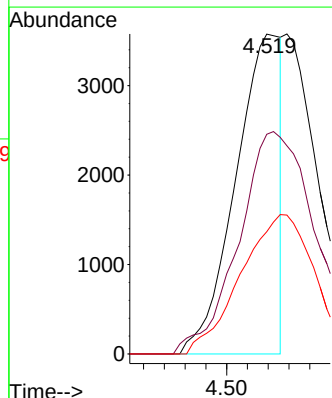
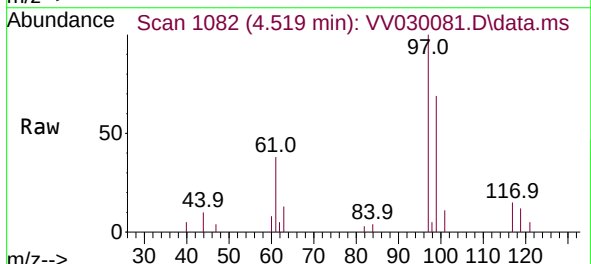
Tgt Ion: 97 Resp: 5415

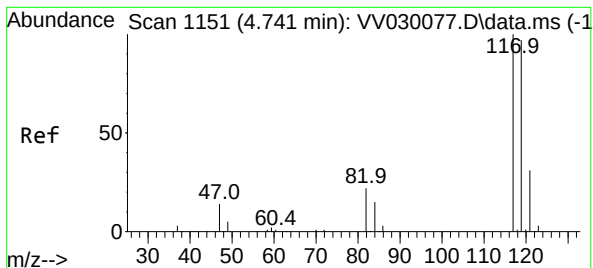
Ion Ratio Lower Upper

97 100

99 120.1 50.7 76.1#

61 71.4 31.6 47.4#





#31

Carbon tetrachloride

Concen: 2.203 ug/L

RT: 4.744 min Scan# 1151

Delta R.T. 0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

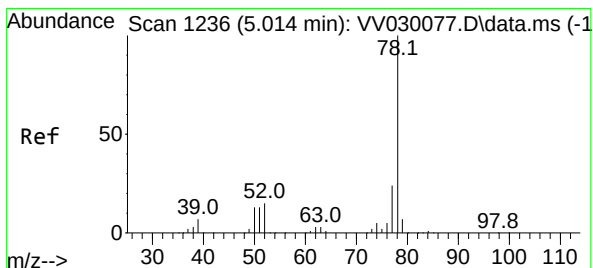
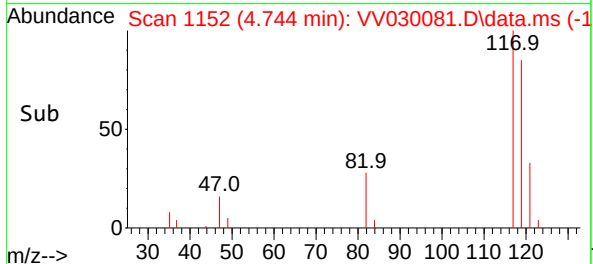
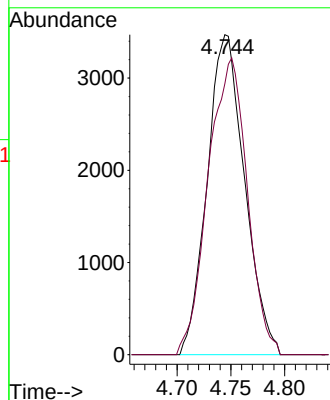
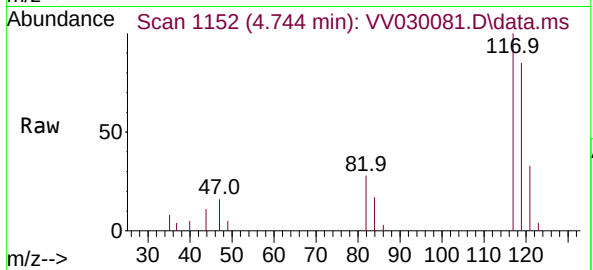
MDL-MED-SOIL-QT1-2023-02

Tgt Ion:117 Resp: 8404

Ion Ratio Lower Upper

117 100

119 96.7 76.8 115.2



#33

Benzene

Concen: 2.153 ug/L

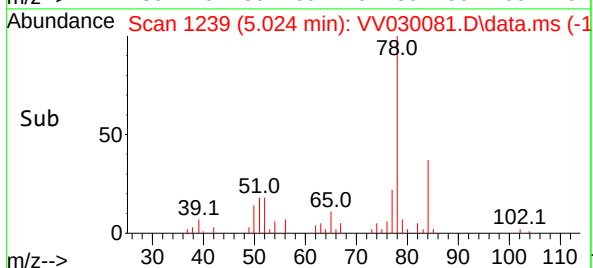
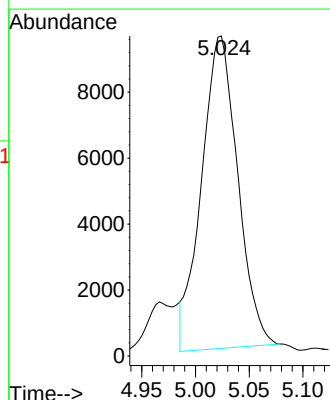
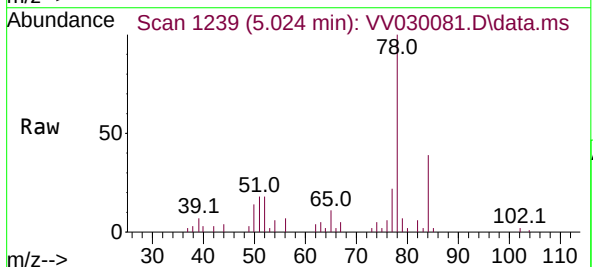
RT: 5.024 min Scan# 1239

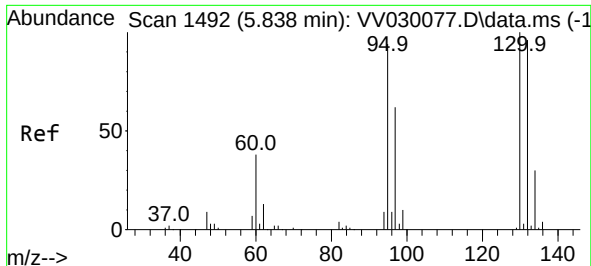
Delta R.T. 0.010 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Tgt Ion: 78 Resp: 22223





#34

Trichloroethene

Concen: 2.173 ug/L

RT: 5.847 min Scan# 1495

Delta R.T. 0.010 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

Tgt Ion: 95 Resp: 6103

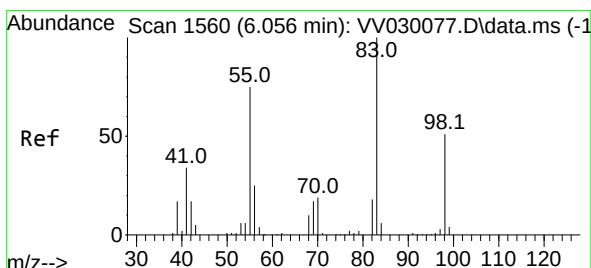
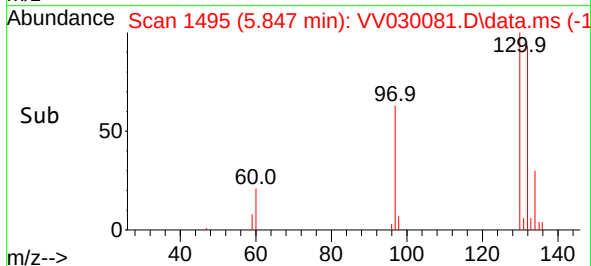
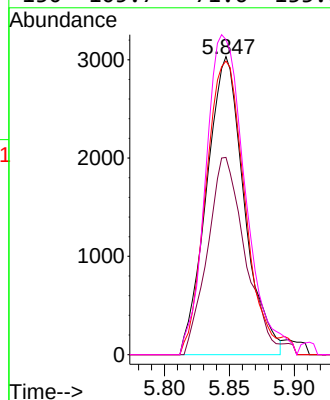
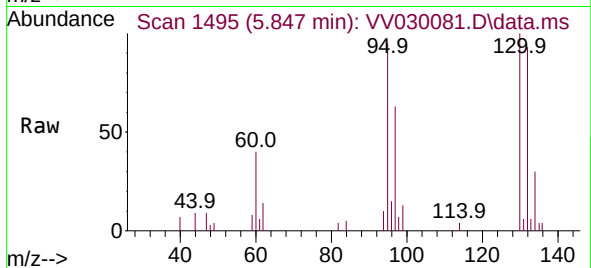
Ion Ratio Lower Upper

95 100

97 66.2 44.1 81.9

132 98.5 68.3 126.9

130 105.7 71.6 133.0



#35

Methylcyclohexane

Concen: 1.986 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. 0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

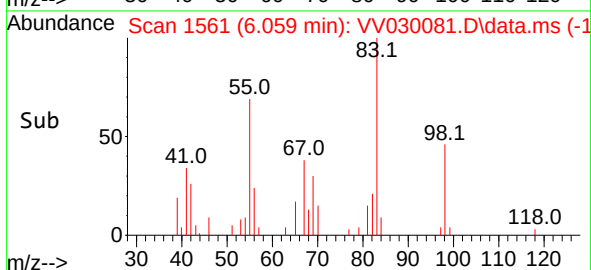
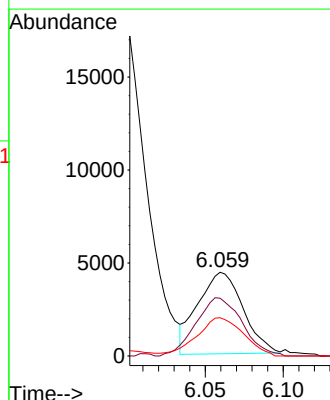
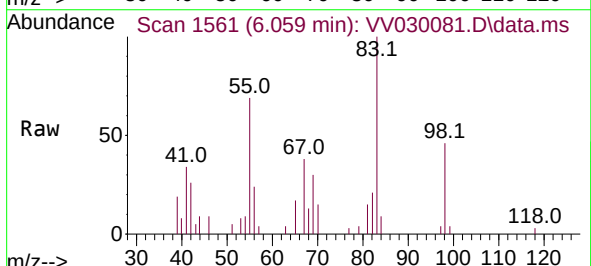
Tgt Ion: 83 Resp: 8857

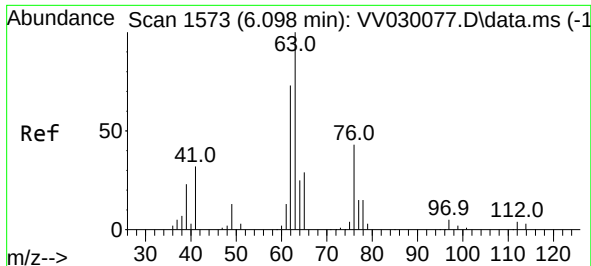
Ion Ratio Lower Upper

83 100

55 72.9 58.4 87.6

98 48.6 39.8 59.8





#37

1,2-Dichloropropane

Concen: 2.456 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

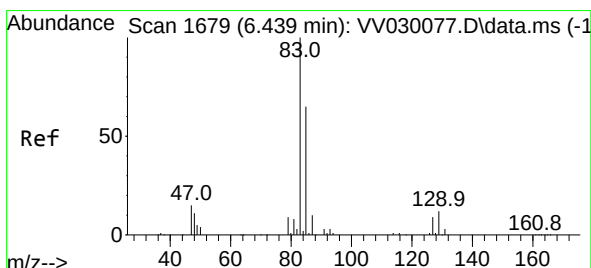
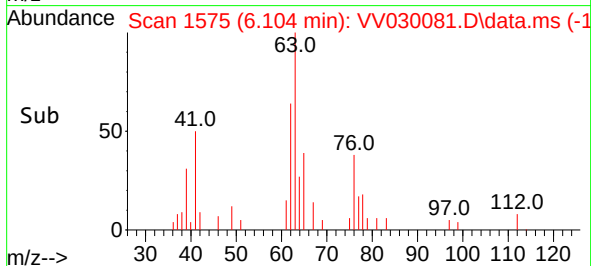
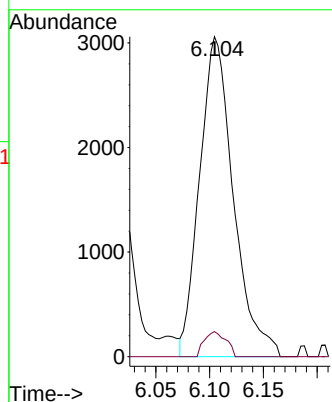
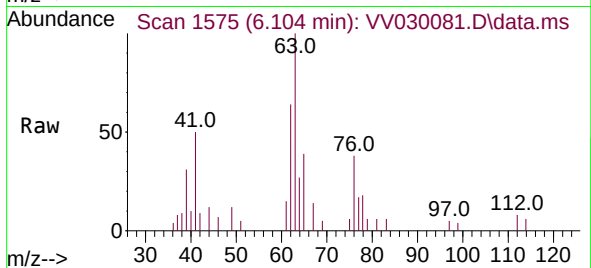
MDL-MED-SOIL-QT1-2023-02

Tgt Ion: 63 Resp: 6675

Ion Ratio Lower Upper

63 100

112 5.0 3.7 5.5



#38

Bromodichloromethane

Concen: 2.234 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

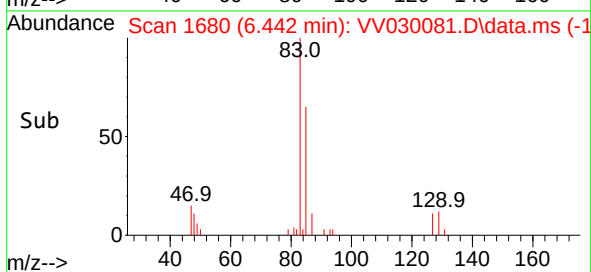
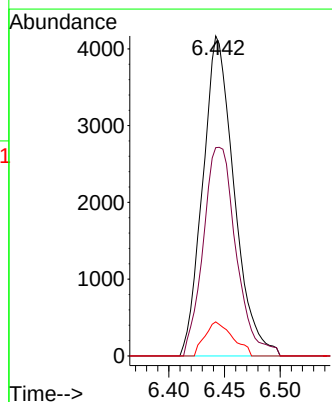
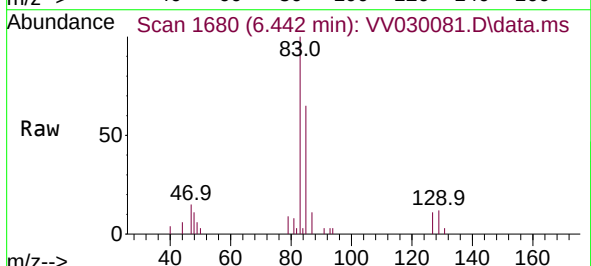
Tgt Ion: 83 Resp: 8155

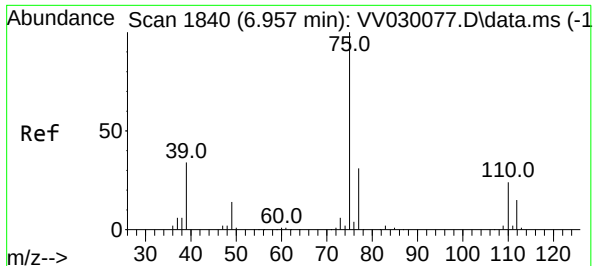
Ion Ratio Lower Upper

83 100

85 65.1 44.9 83.5

127 10.7 6.8 10.2#





#39

cis-1,3-Dichloropropene

Concen: 2.171 ug/L

RT: 6.966 min Scan# 11

Delta R.T. 0.010 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

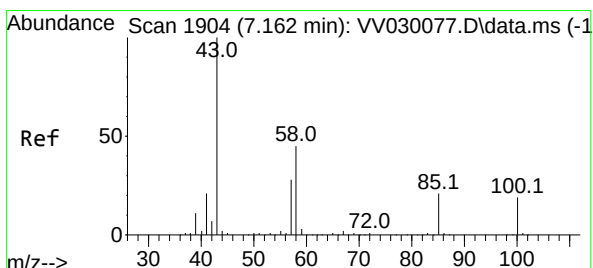
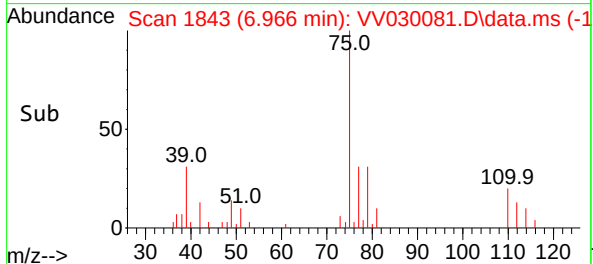
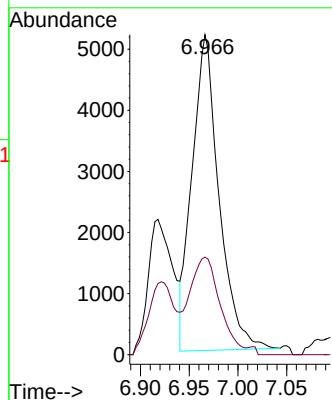
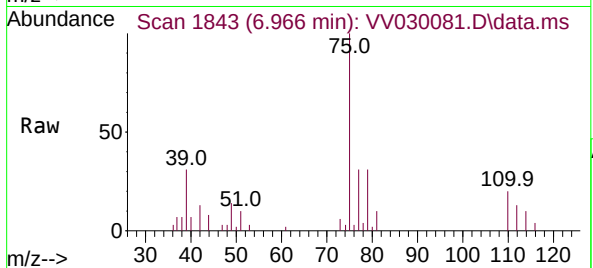
MDL-MED-SOIL-QT1-2023-02

Tgt Ion: 75 Resp: 9917

Ion Ratio Lower Upper

75 100

77 30.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 3.855 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.010 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

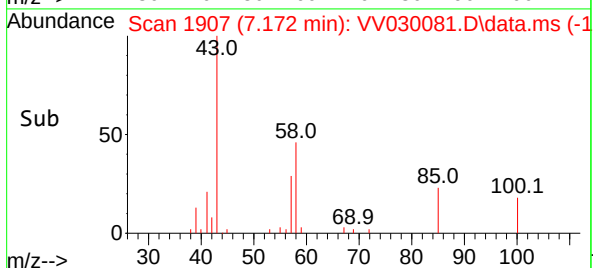
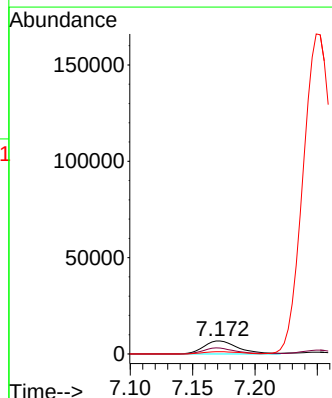
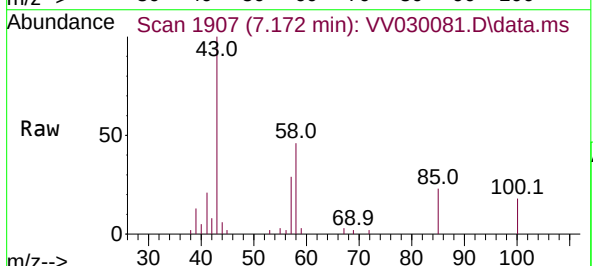
Tgt Ion: 43 Resp: 13027

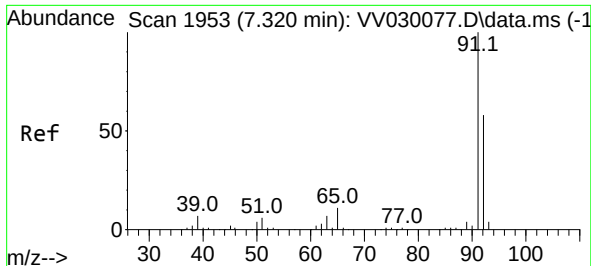
Ion Ratio Lower Upper

43 100

58 43.5 34.8 52.2

100 18.1 14.6 22.0





#42

Toluene

Concen: 2.260 ug/L

RT: 7.326 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

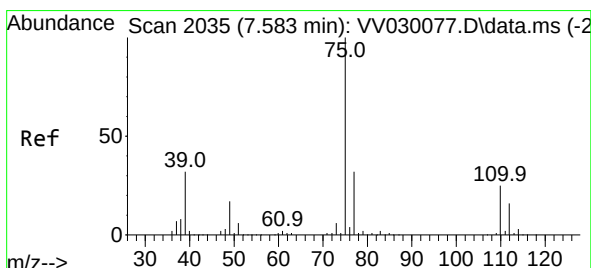
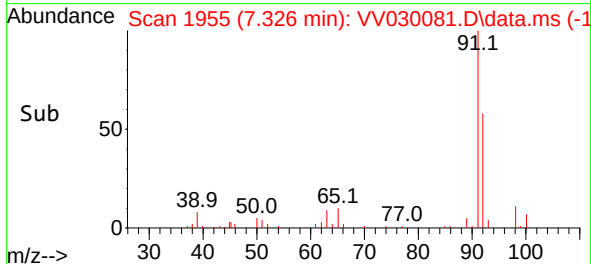
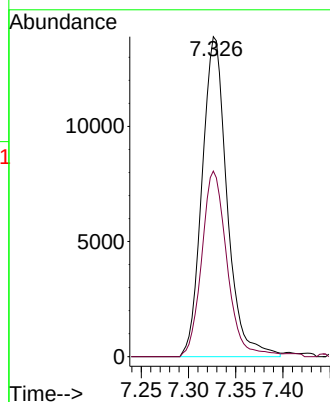
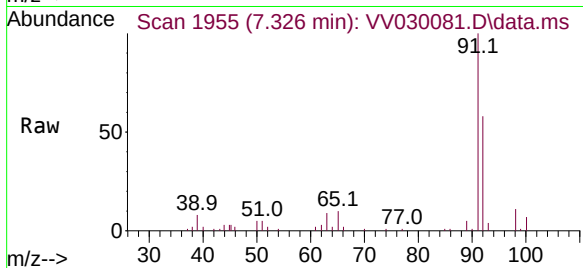
MDL-MED-SOIL-QT1-2023-02

Tgt Ion: 91 Resp: 25519

Ion Ratio Lower Upper

91 100

92 58.0 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 2.286 ug/L

RT: 7.590 min Scan# 2037

Delta R.T. 0.006 min

Lab File: VV030081.D

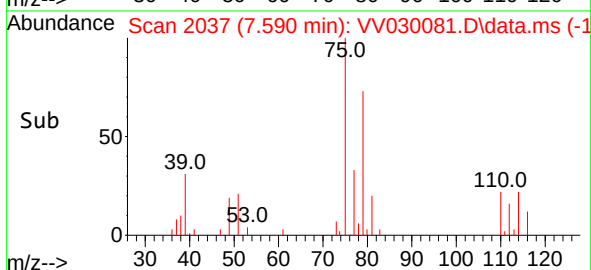
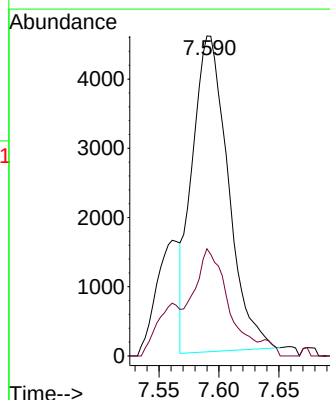
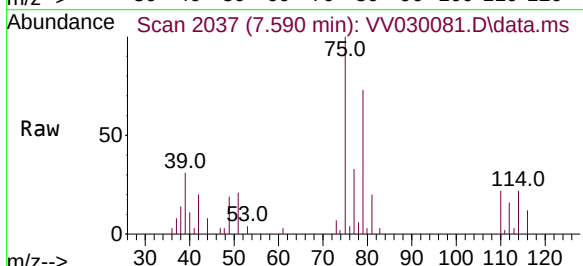
Acq: 22 Feb 2023 16:03

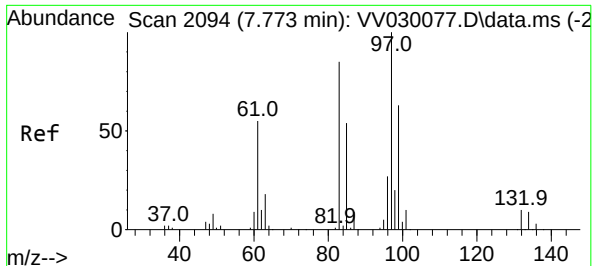
Tgt Ion: 75 Resp: 9500

Ion Ratio Lower Upper

75 100

77 33.5 22.3 41.5

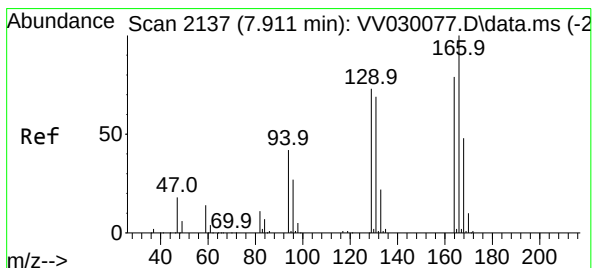
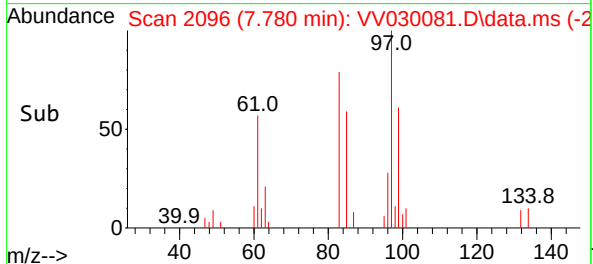
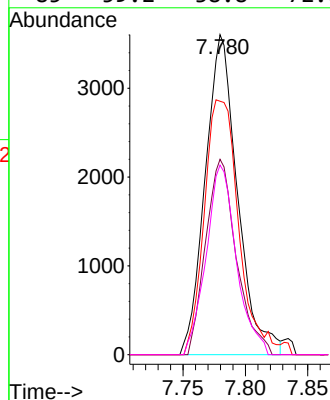
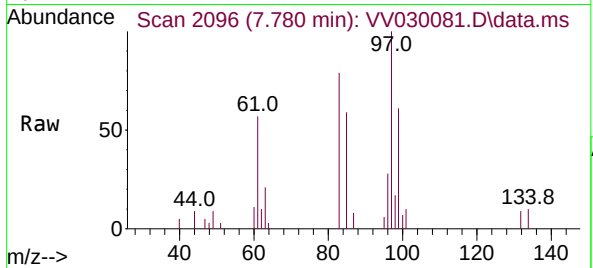




#45
1,1,2-Trichloroethane
Concen: 2.303 ug/L
RT: 7.780 min Scan# 2094
Delta R.T. 0.006 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

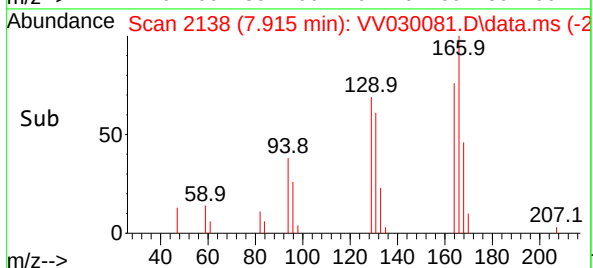
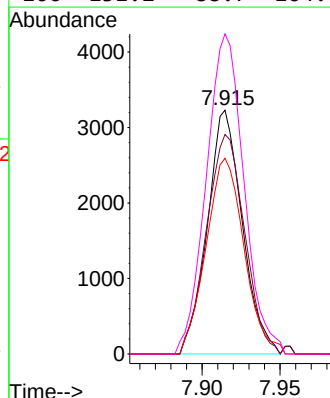
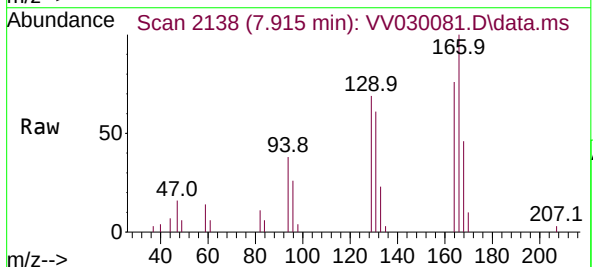
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

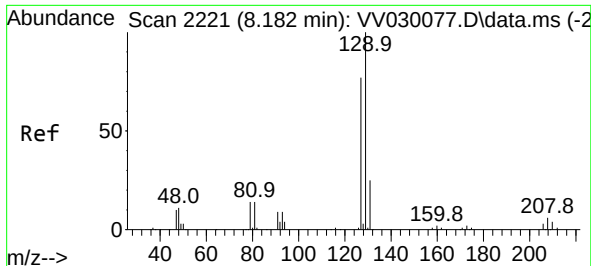
Tgt Ion: 97	Resp: 6498
Ion Ratio	Lower Upper
97 100	
99 61.0	43.8 81.4
83 79.2	59.9 111.3
85 59.2	38.8 72.0



#46
Tetrachloroethene
Concen: 2.132 ug/L
RT: 7.915 min Scan# 2138
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt	Ion:164	Resp:	5034
Ion	Ratio	Lower	Upper
164	100		
129	90.0	65.2	121.0
131	80.3	63.1	117.3
166	131.2	88.7	164.7





#49

Dibromochloromethane

Concen: 2.362 ug/L

RT: 8.188 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

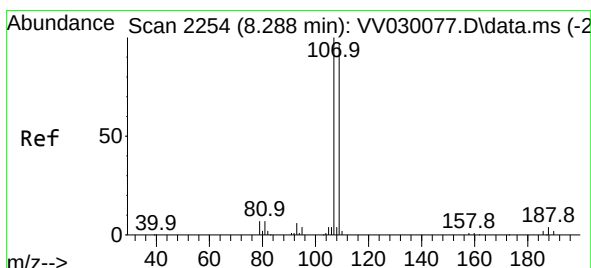
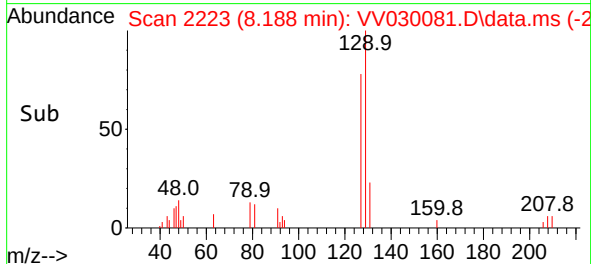
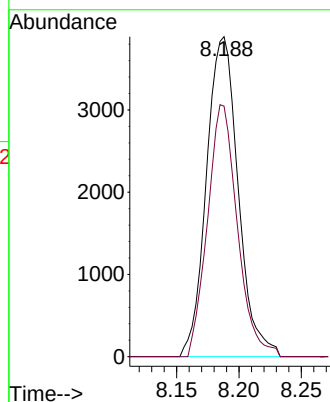
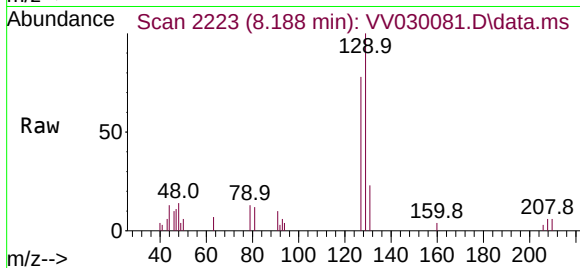
MDL-MED-SOIL-QT1-2023-02

Tgt Ion:129 Resp: 6908

Ion Ratio Lower Upper

129 100

127 78.3 54.9 102.1



#50

1,2-Dibromoethane

Concen: 2.254 ug/L

RT: 8.294 min Scan# 2256

Delta R.T. 0.006 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

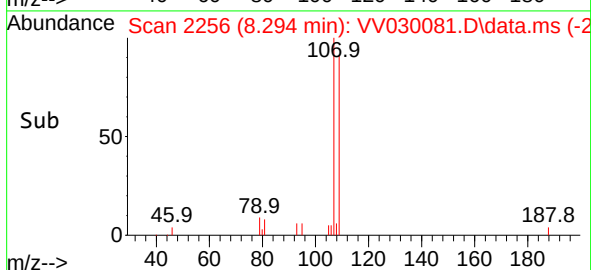
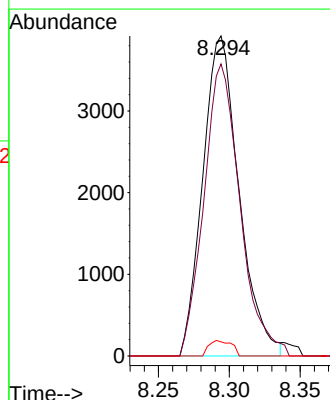
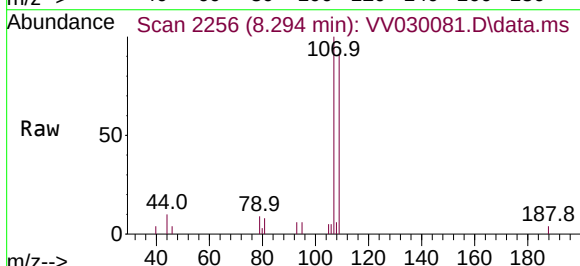
Tgt Ion:107 Resp: 6976

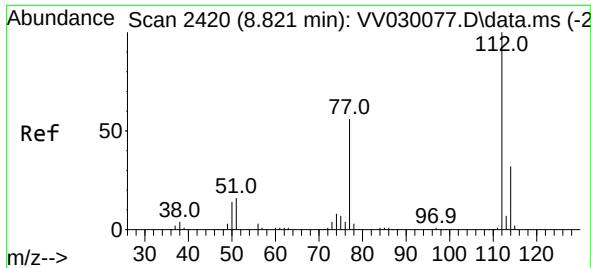
Ion Ratio Lower Upper

107 100

109 91.2 66.0 122.6

188 4.4 3.4 5.0

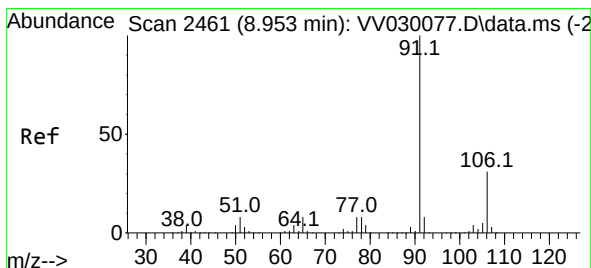
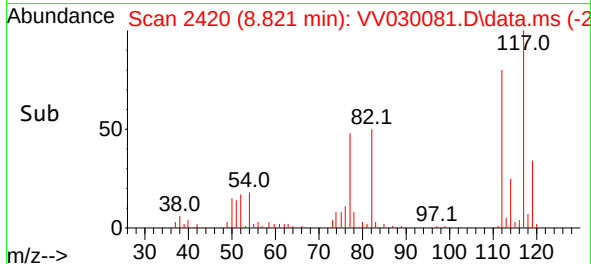
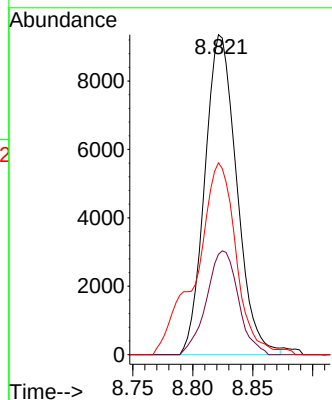
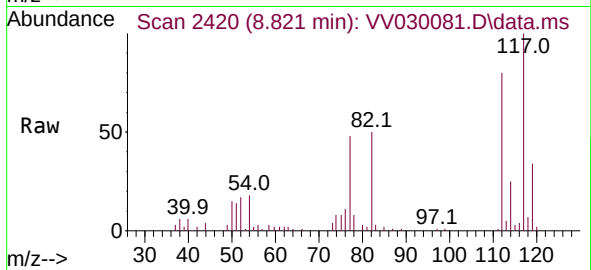




#51
Chlorobenzene
Concen: 2.299 ug/L
RT: 8.821 min Scan# 2420
Delta R.T. -0.000 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

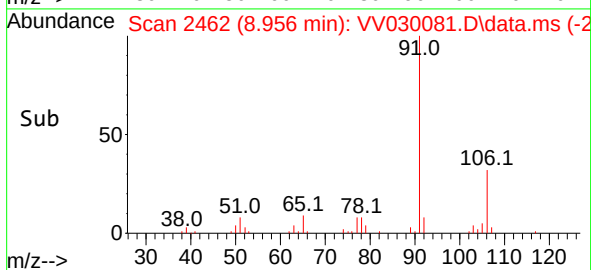
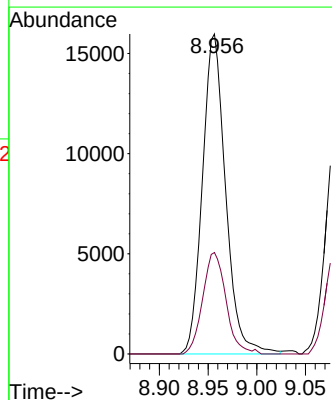
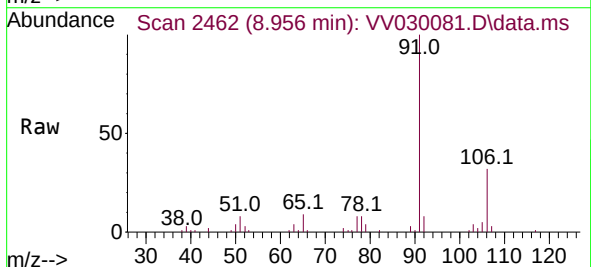
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

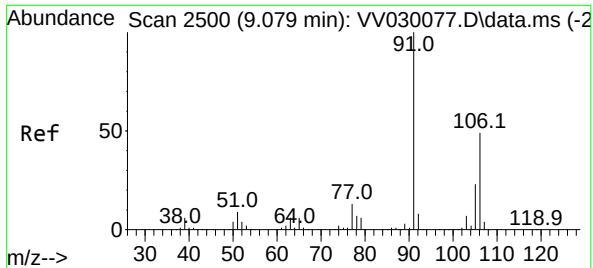
Tgt Ion:	112	Resp:	17304
Ion Ratio	Lower	Upper	
112	100		
114	31.3	22.3	41.3
77	60.0	46.0	69.0



#52
Ethylbenzene
Concen: 2.117 ug/L
RT: 8.956 min Scan# 2462
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion:	91	Resp:	26467
Ion Ratio	Lower	Upper	
91	100		
106	31.7	22.0	40.8

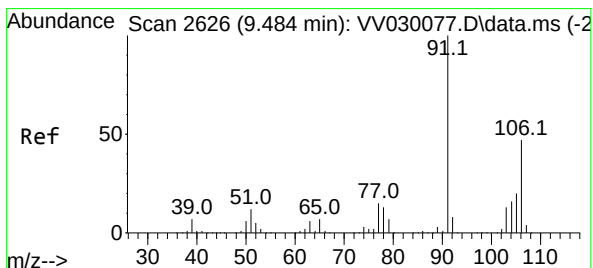
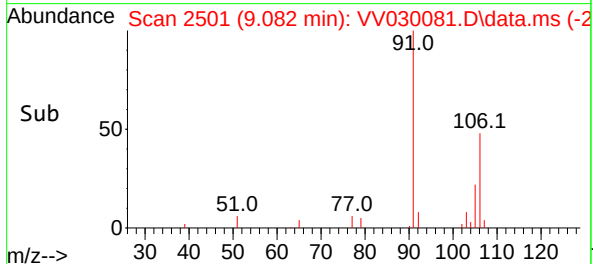
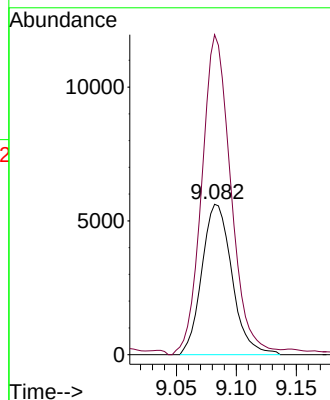
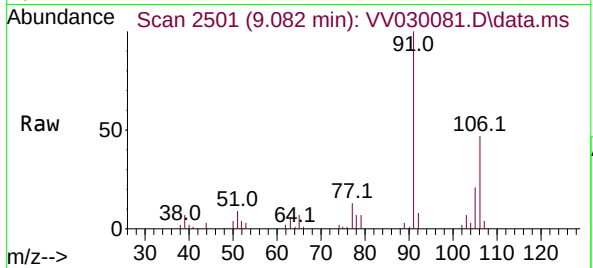




#53
m,p-Xylene
Concen: 2.056 ug/L
RT: 9.082 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

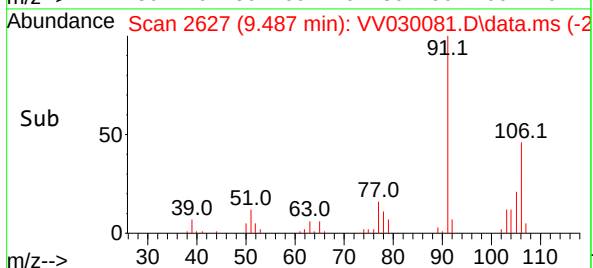
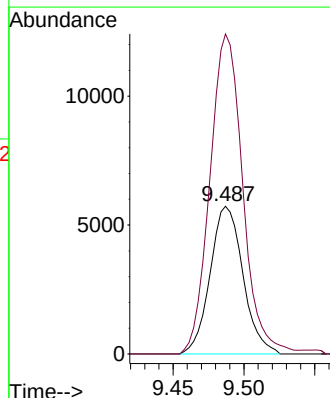
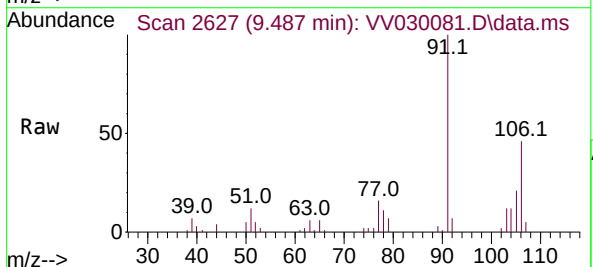
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

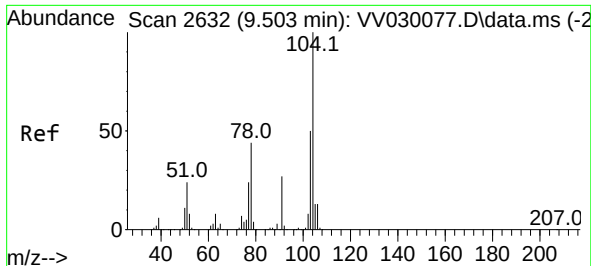
Tgt Ion:106 Resp: 9821
Ion Ratio Lower Upper
106 100
91 212.8 142.0 263.8



#54
o-Xylene
Concen: 2.005 ug/L
RT: 9.487 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion:106 Resp: 9233
Ion Ratio Lower Upper
106 100
91 216.7 151.5 281.3

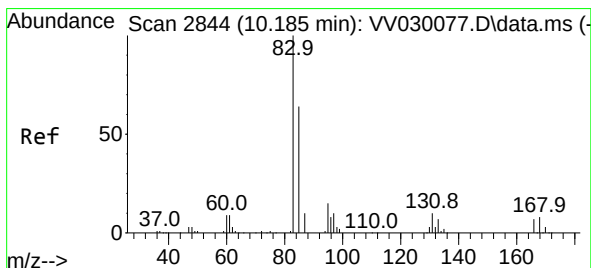
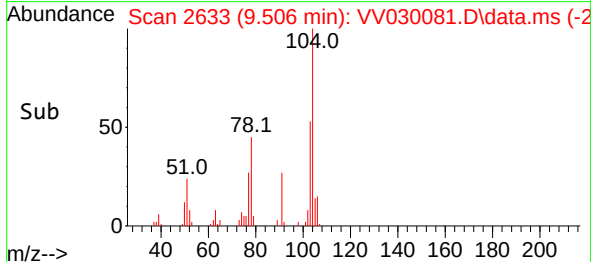
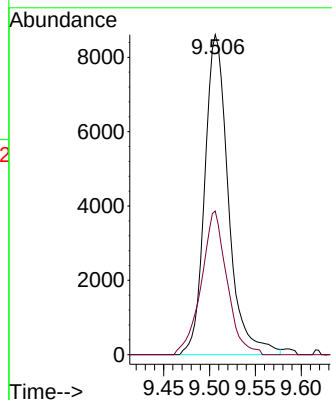
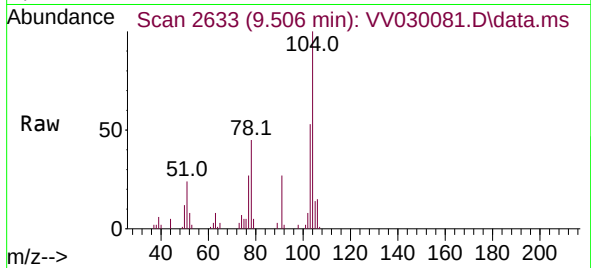




#55
Styrene
Concen: 1.970 ug/L
RT: 9.506 min Scan# 205
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

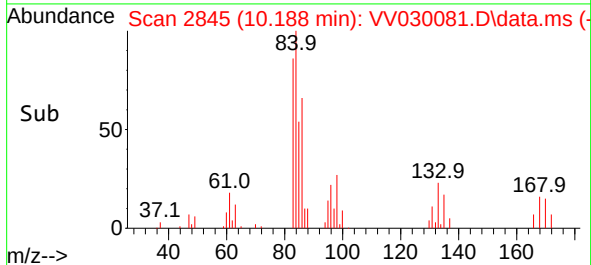
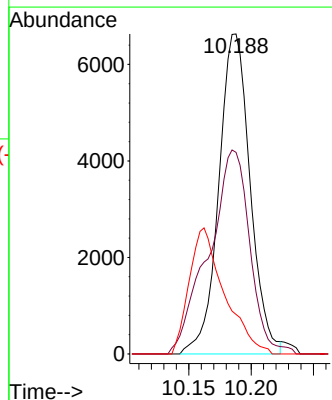
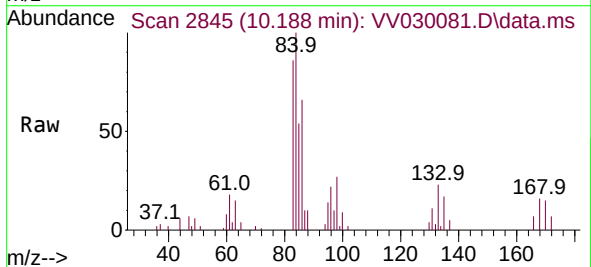
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

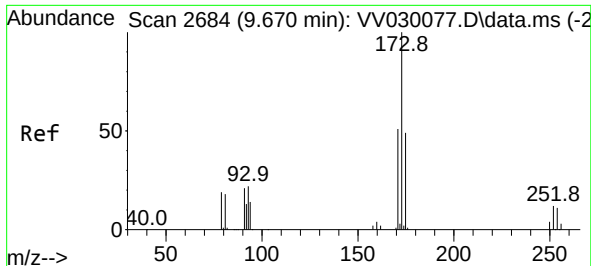
Tgt Ion:104 Resp: 15497
Ion Ratio Lower Upper
104 100
78 44.9 31.9 59.2



#57
1,1,2,2-Tetrachloroethane
Concen: 2.519 ug/L
RT: 10.188 min Scan# 2845
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion: 83 Resp: 11616
Ion Ratio Lower Upper
83 100
85 63.0 45.5 84.5
131 12.4 8.3 12.5

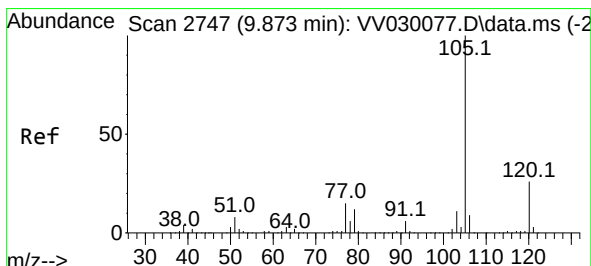
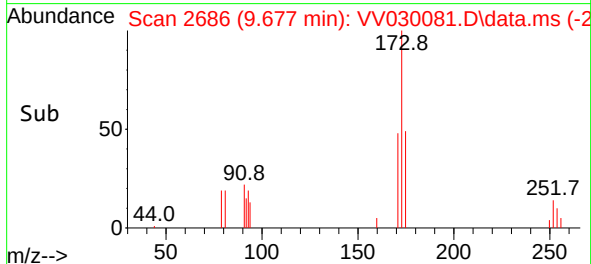
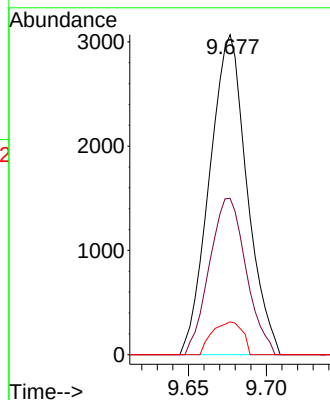
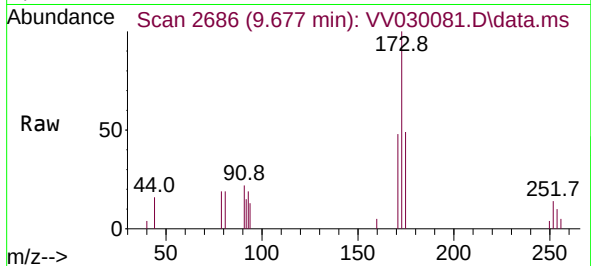




#59
Bromoform
Concen: 2.509 ug/L
RT: 9.677 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

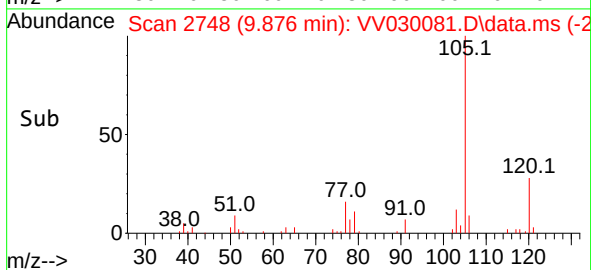
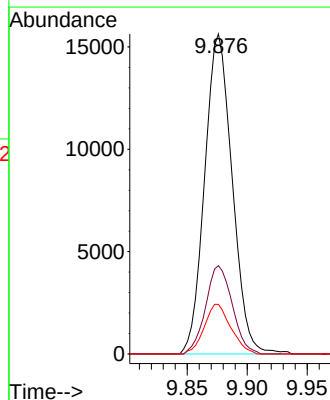
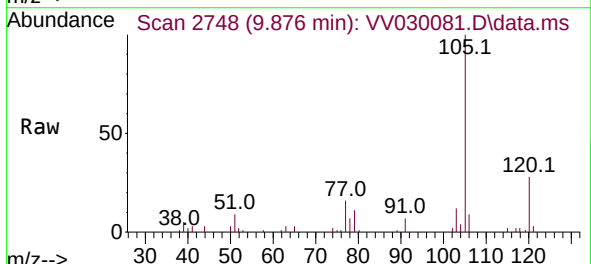
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

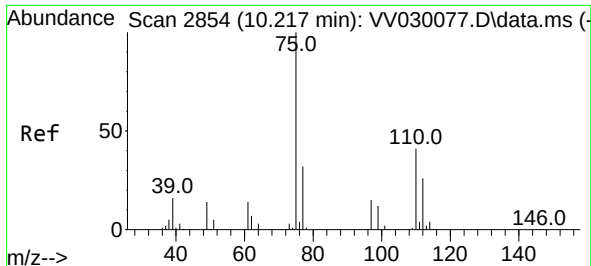
Tgt Ion:173 Resp: 5119
Ion Ratio Lower Upper
173 100
175 48.0 38.7 58.1
254 8.3 8.7 13.1#



#60
Isopropylbenzene
Concen: 2.034 ug/L
RT: 9.876 min Scan# 2748
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion:105 Resp: 24930
Ion Ratio Lower Upper
105 100
120 26.7 21.4 32.0
77 15.0 12.2 18.2

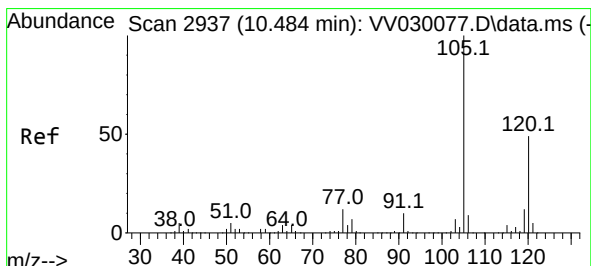
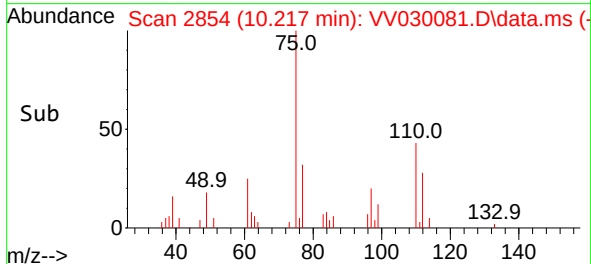
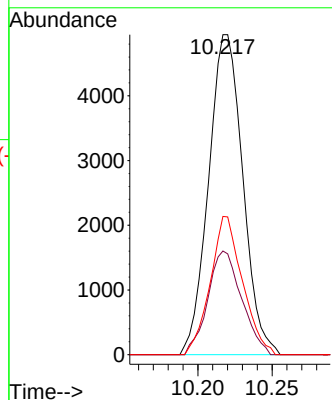
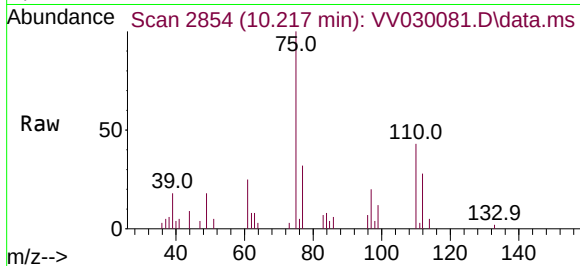




#61
1,2,3-Trichloropropane
Concen: 2.327 ug/L
RT: 10.217 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

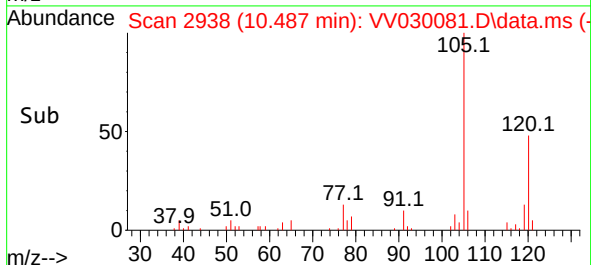
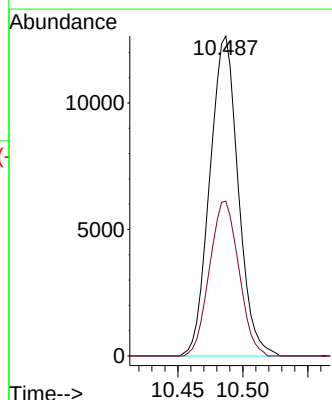
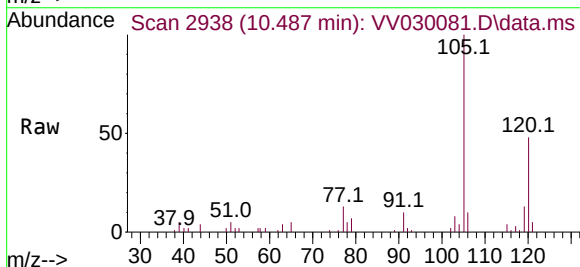
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

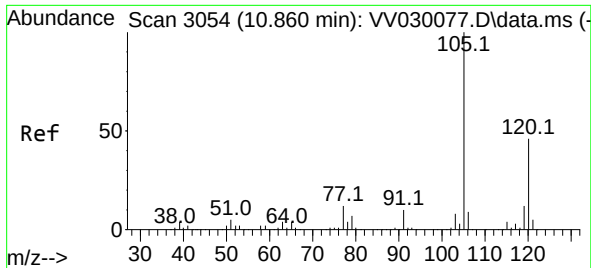
Tgt Ion: 75	Resp:	7934
Ion Ratio	Lower	Upper
75	100	
77	32.0	25.9 38.9
110	40.5	32.1 48.1



#62
1,3,5-Trimethylbenzene
Concen: 1.896 ug/L
RT: 10.487 min Scan# 2938
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion: 105	Resp:	19247
Ion Ratio	Lower	Upper
105	100	
120	49.8	39.0 58.4

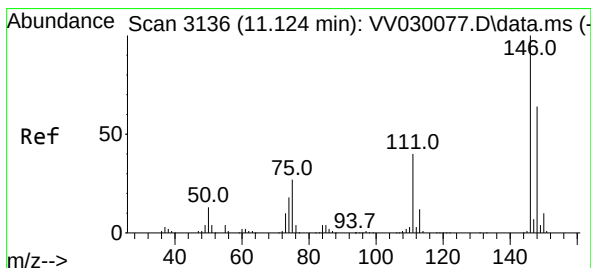
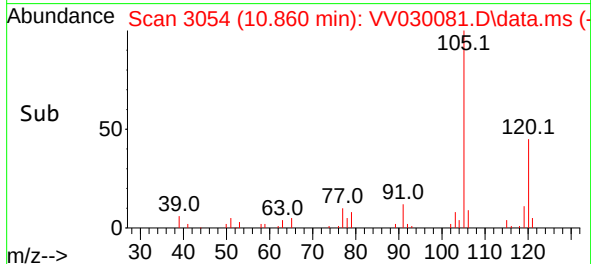
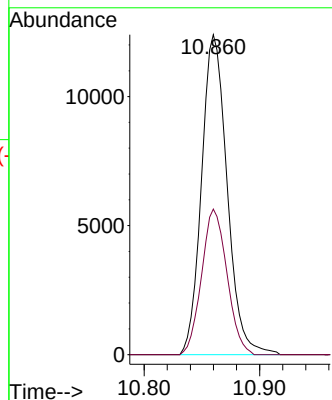
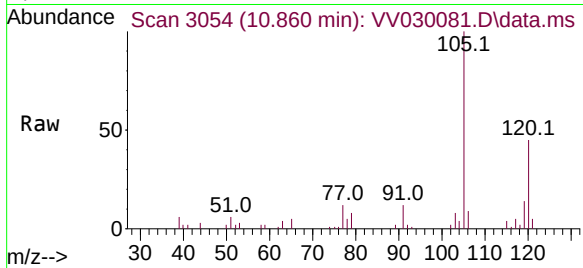




#63
1,2,4-Trimethylbenzene
Concen: 1.914 ug/L
RT: 10.860 min Scan# 3054
Delta R.T. -0.000 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

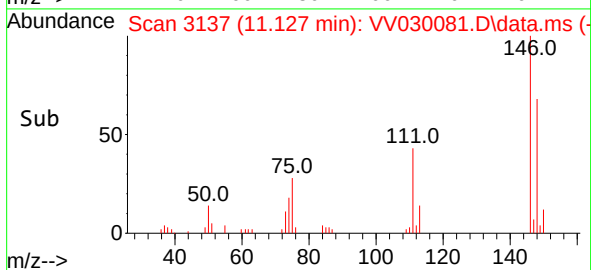
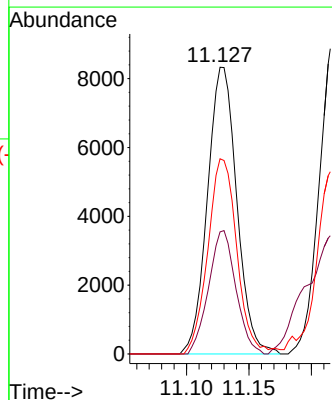
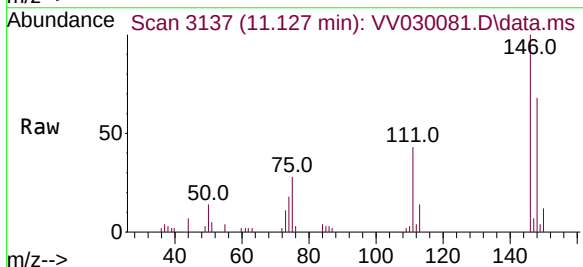
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT1-2023-02

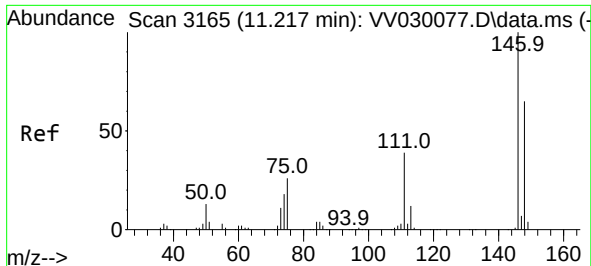
Tgt Ion:105 Resp: 19089
Ion Ratio Lower Upper
105 100
120 45.1 36.3 54.5



#64
1,3-Dichlorobenzene
Concen: 2.211 ug/L
RT: 11.127 min Scan# 3137
Delta R.T. 0.003 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion:146 Resp: 13655
Ion Ratio Lower Upper
146 100
111 42.6 28.2 52.4
148 68.1 45.3 84.1

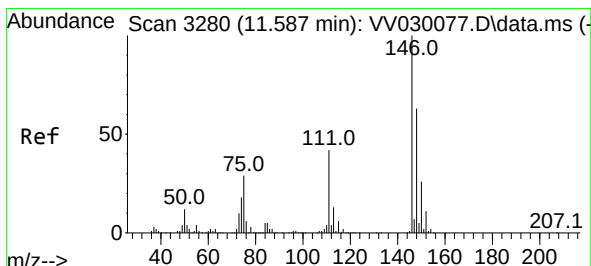
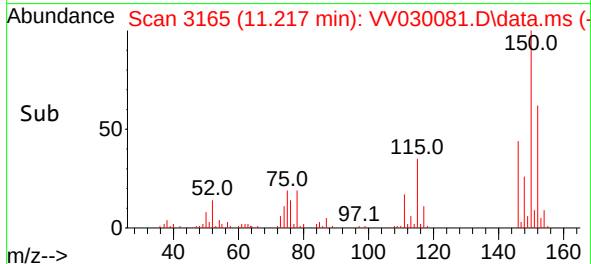
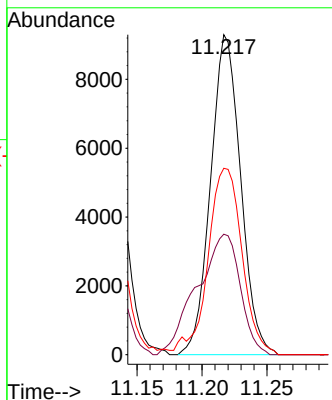
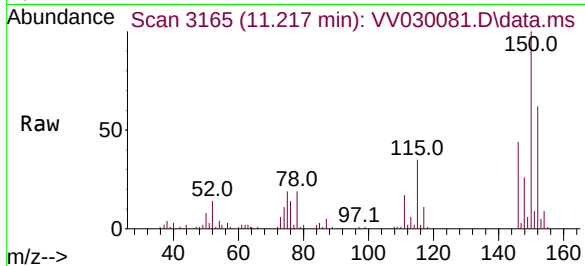




#65
1,4-Dichlorobenzene
Concen: 2.367 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

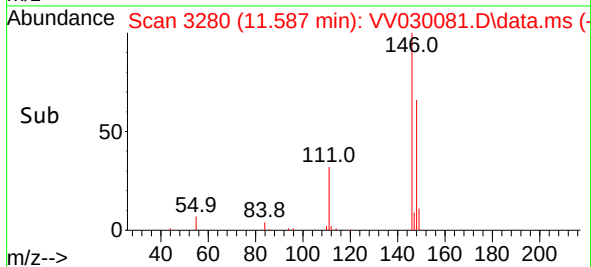
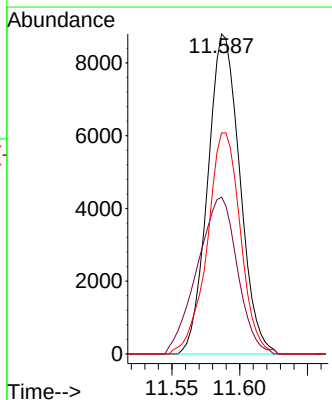
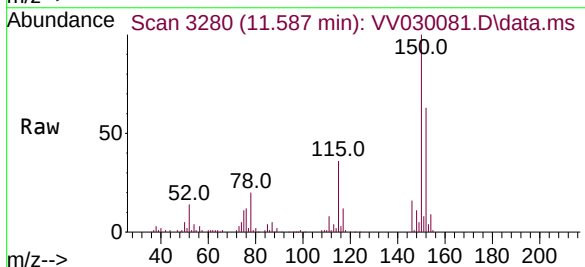
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT1-2023-02

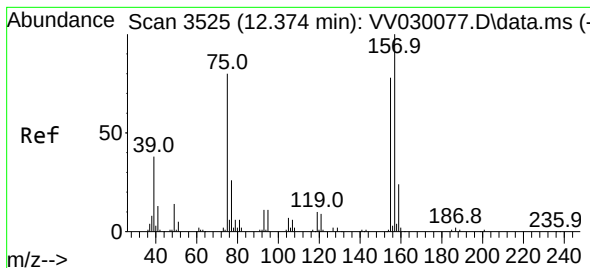
Tgt Ion:146 Resp: 14953
Ion Ratio Lower Upper
146 100
111 37.7 27.1 50.3
148 58.2 44.9 83.5



#67
1,2-Dichlorobenzene
Concen: 2.353 ug/L
RT: 11.587 min Scan# 3280
Delta R.T. -0.000 min
Lab File: VV030081.D
Acq: 22 Feb 2023 16:03

Tgt Ion:146 Resp: 14469
Ion Ratio Lower Upper
146 100
111 49.0 33.0 49.4
148 69.0 50.7 76.1





#68

1,2-Dibromo-3-chloropropane

Concen: 2.164 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. -0.000 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

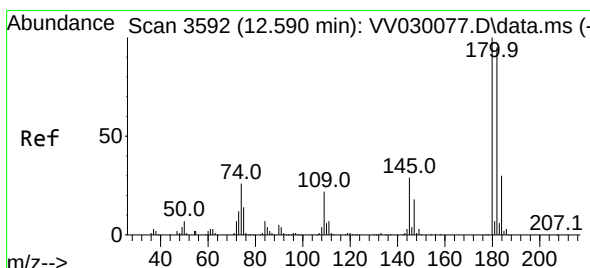
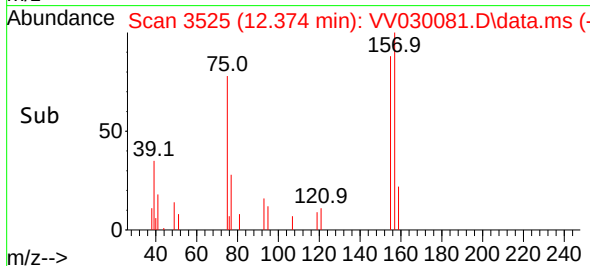
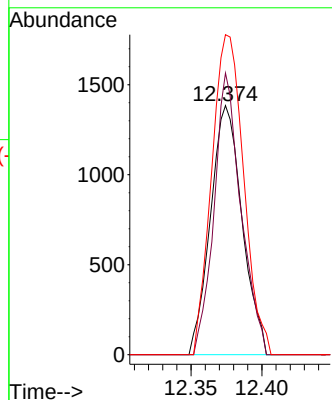
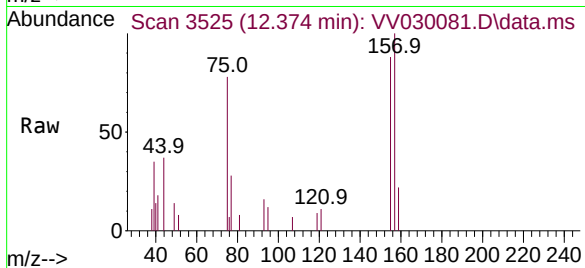
Tgt Ion: 75 Resp: 2152

Ion Ratio Lower Upper

75 100

155 113.1 76.2 114.2

157 128.5 96.0 144.0



#69

1,3,5-Trichlorobenzene

Concen: 2.239 ug/L

RT: 12.593 min Scan# 3593

Delta R.T. 0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Tgt Ion: 180 Resp: 11035

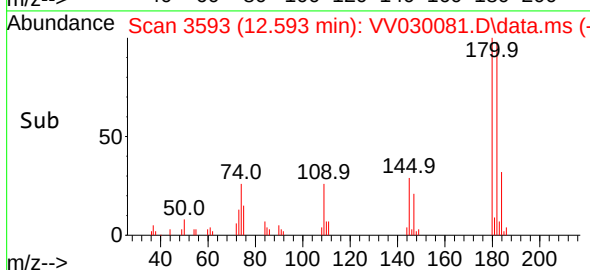
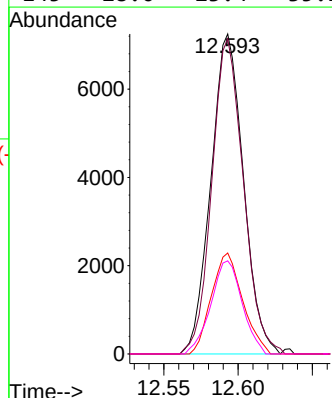
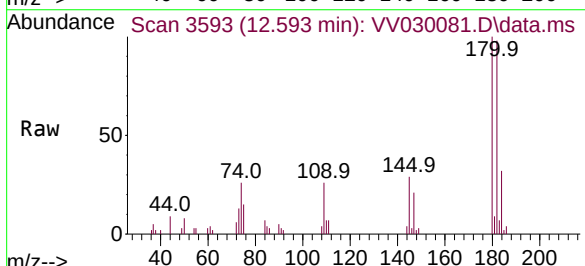
Ion Ratio Lower Upper

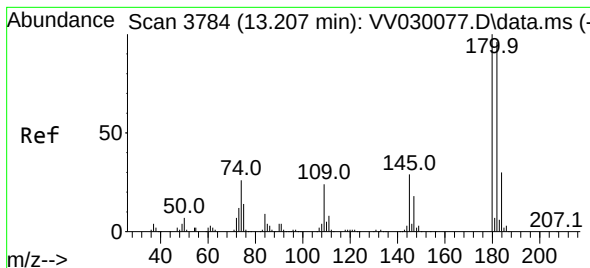
180 100

182 95.3 76.4 114.6

184 30.3 24.5 36.7

145 28.0 23.4 35.2





#70

1,2,4-trichlorobenzene

Concen: 2.183 ug/L

RT: 13.210 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT1-2023-02

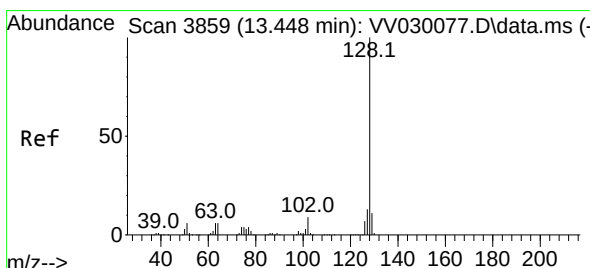
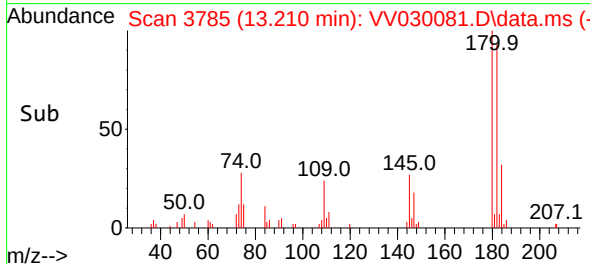
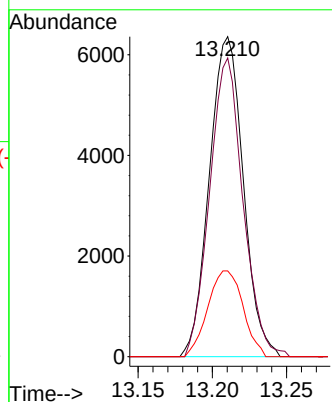
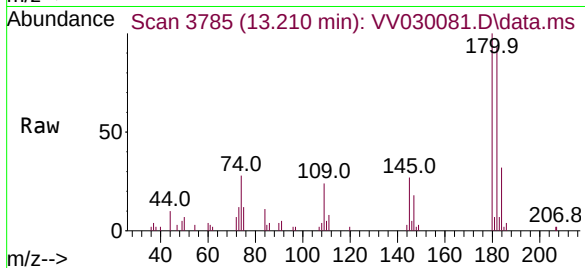
Tgt Ion:180 Resp: 10112

Ion Ratio Lower Upper

180 100

182 91.5 76.6 114.8

145 27.8 24.3 36.5



#71

Naphthalene

Concen: 1.827 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.003 min

Lab File: VV030081.D

Acq: 22 Feb 2023 16:03

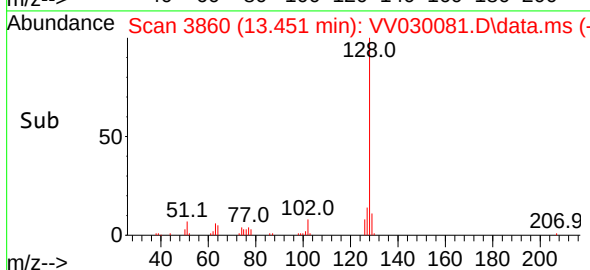
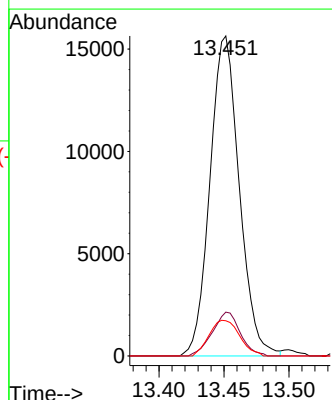
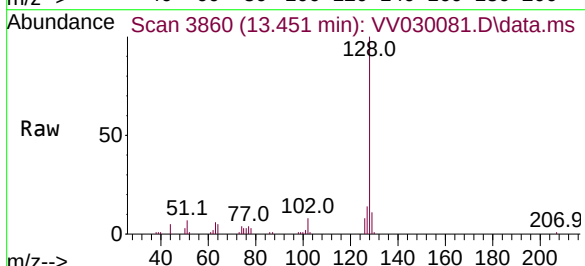
Tgt Ion:128 Resp: 24548

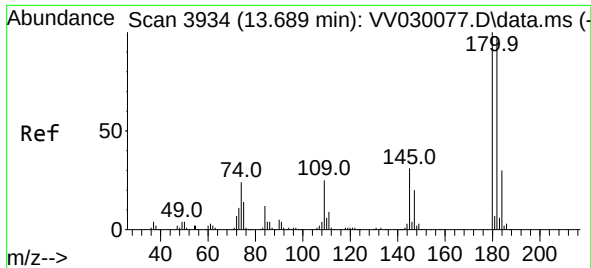
Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

129 11.6 8.8 13.2





#72
 1,2,3-Trichlorobenzene
 Concen: 1.991 ug/L
 RT: 13.693 min Scan# 3935
 Delta R.T. 0.003 min
 Lab File: VV030081.D
 Acq: 22 Feb 2023 16:03

Instrument : MSVOA_V
 ClientSampleId : MDL-MED-SOIL-QT1-2023-02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.8	113.8
145	33.8	25.0	37.6

