

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW041723\
 Data File : VW030588.D
 Acq On : 17 Apr 2023 14:59
 Operator : SY/MD
 Sample : 02215-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

Quant Time: Apr 18 02:48:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Apr 18 02:45:56 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	252491	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.793	117	248045	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	122813	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.282	65	82819	44.744	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	89.480%
7) Chloroethane-d5	1.539	69	68589	44.220	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.440%
11) 1,1-Dichloroethene-d2	2.066	65	38971	44.397	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.800%
21) 2-Butanone-d5	3.709	46	243	0.239	ug/L	-0.09
Spiked Amount	100.000	Range	40 - 130	Recovery	=	0.240%#
24) Chloroform-d	4.259	84	144764	43.157	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.320%
26) 1,2-Dichloroethane-d4	4.954	65	102792	47.664	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.320%
32) Benzene-d6	4.973	84	276035	47.069	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.140%
36) 1,2-Dichloropropane-d6	5.998	67	86921	47.715	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.440%
41) Toluene-d8	7.252	98	244803	44.460	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.920%
43) trans-1,3-Dichloroprop...	7.561	79	40809	44.447	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.900%
47) 2-Hexanone-d5	8.034	63	63676	88.732	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.730%
56) 1,1,2,2-Tetrachloroeth...	10.162	84	114839	43.445	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	86.880%
66) 1,2-Dichlorobenzene-d4	11.571	152	97441	49.917	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.840%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	4463	2.056	ug/L	97
3) Chloromethane	1.217	50	8190	2.876	ug/L	92
5) Vinyl chloride	1.288	62	5072	2.209	ug/L #	59
6) Bromomethane	1.494	94	2676	2.939	ug/L	95
8) Chloroethane	1.555	64	3367	2.138	ug/L	100
9) Trichlorofluoromethane	1.719	101	7707	2.071	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	5197	2.658	ug/L #	84
12) 1,1-Dichloroethene	2.076	96	4718	2.669	ug/L #	1
13) Acetone	2.130	43	6079	3.864	ug/L	82
14) Carbon disulfide	2.249	76	11211	2.245	ug/L #	93
15) Methyl Acetate	2.388	43	4185	1.993	ug/L #	82
16) Methylene chloride	2.455	84	6508	3.217	ug/L	89
17) trans-1,2-Dichloroethene	2.706	96	3874	2.171	ug/L	90
18) Methyl tert-butyl Ether	2.712	73	12220	2.138	ug/L #	93
19) 1,1-Dichloroethane	3.124	63	7675	2.109	ug/L	87
20) cis-1,2-Dichloroethene	3.828	96	4502	2.319	ug/L	94
23) Bromochloromethane	4.169	128	1554	1.433	ug/L	91
25) Chloroform	4.288	83	8849	2.349	ug/L	94
27) 1,2-Dichloroethane	5.063	62	6252	1.961	ug/L	98

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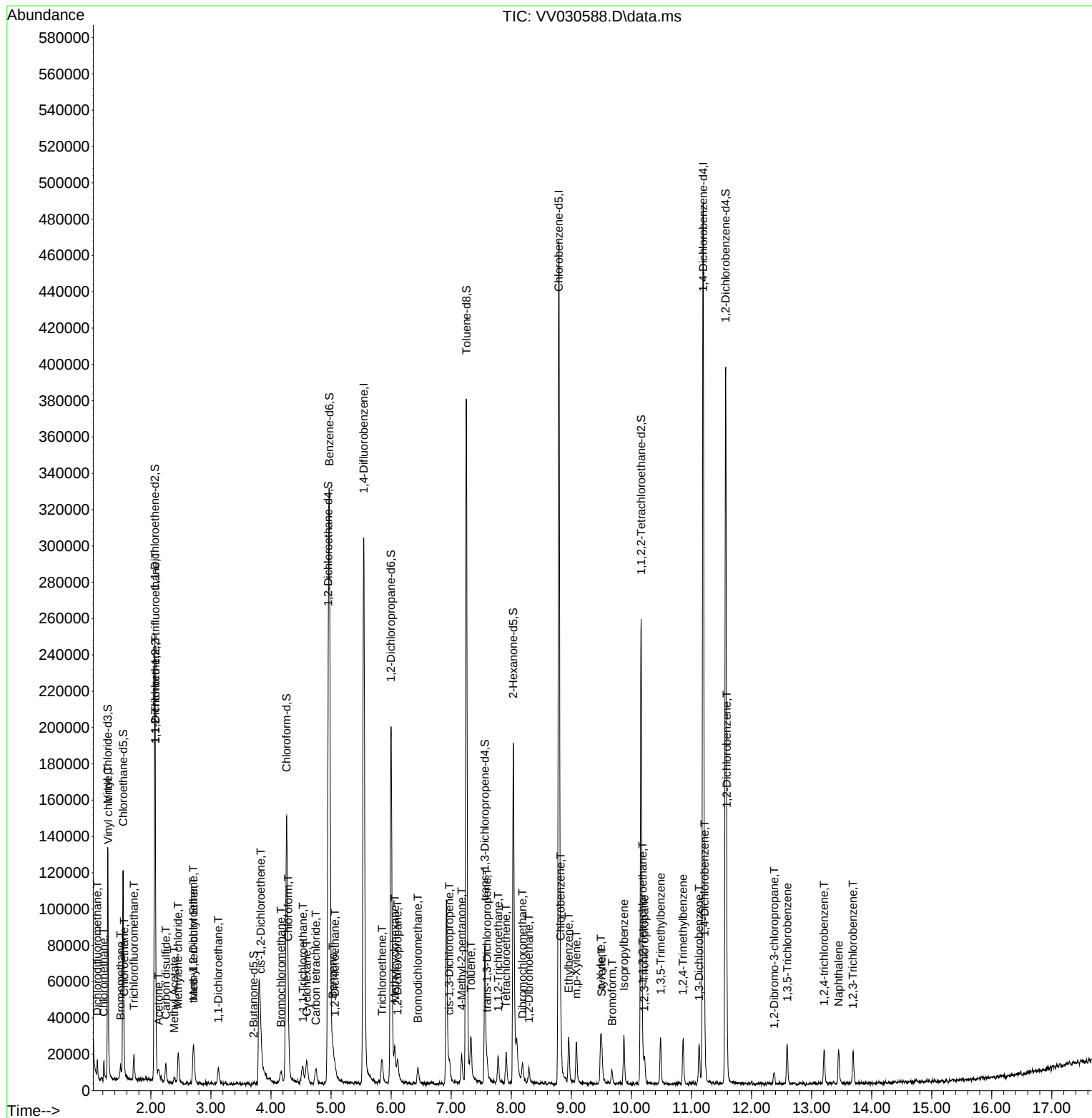
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	4.597	56	5898	1.981	ug/L	97
30) 1,1,1-Trichloroethane	4.532	97	7185	2.061	ug/L	92
31) Carbon tetrachloride	4.748	117	6315	2.027	ug/L	87
33) Benzene	5.027	78	15556	2.065	ug/L	100
34) Trichloroethene	5.851	95	3987	2.035	ug/L	91
35) Methylcyclohexane	6.063	83	6568	2.139	ug/L	93
37) 1,2-Dichloropropane	6.108	63	3556	1.754	ug/L #	96
38) Bromodichloromethane	6.445	83	6089	2.138	ug/L	96
39) cis-1,3-Dichloropropene	6.970	75	5625	1.849	ug/L	91
40) 4-Methyl-2-pentanone	7.175	43	9762	3.447	ug/L	94
42) Toluene	7.330	91	15583	1.931	ug/L	93
44) trans-1,3-Dichloropropene	7.596	75	5504	1.841	ug/L	99
45) 1,1,2-Trichloroethane	7.780	97	4529	2.228	ug/L	91
46) Tetrachloroethene	7.915	164	3920	2.286	ug/L	95
49) Dibromochloromethane	8.188	129	4377	1.952	ug/L	100
50) 1,2-Dibromoethane	8.294	107	4422	2.099	ug/L #	97
51) Chlorobenzene	8.822	112	11259	2.107	ug/L	97
52) Ethylbenzene	8.957	91	16524	1.850	ug/L	97
53) m,p-Xylene	9.085	106	6595	1.955	ug/L	98
54) o-Xylene	9.490	106	6292	1.906	ug/L	93
55) Styrene	9.506	104	9606	1.657	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.188	83	7555	2.264	ug/L #	96
59) Bromoform	9.677	173	3408	2.216	ug/L #	94
60) Isopropylbenzene	9.876	105	16521	2.157	ug/L	99
61) 1,2,3-Trichloropropane	10.217	75	5125	2.330	ug/L	93
62) 1,3,5-Trimethylbenzene	10.487	105	12393	1.965	ug/L	95
63) 1,2,4-Trimethylbenzene	10.860	105	12938	2.055	ug/L	96
64) 1,3-Dichlorobenzene	11.130	146	9017	2.351	ug/L	94
65) 1,4-Dichlorobenzene	11.220	146	9236	2.284	ug/L	100
67) 1,2-Dichlorobenzene	11.587	146	9658	2.497	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.378	75	1815	2.785	ug/L	88
69) 1,3,5-Trichlorobenzene	12.596	180	6278	2.167	ug/L	97
70) 1,2,4-trichlorobenzene	13.207	180	5677	2.308	ug/L	98
71) Naphthalene	13.448	128	14763	2.194	ug/L	99
72) 1,2,3-Trichlorobenzene	13.690	180	5456	2.237	ug/L	93

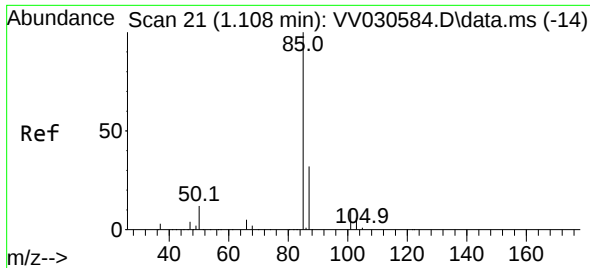
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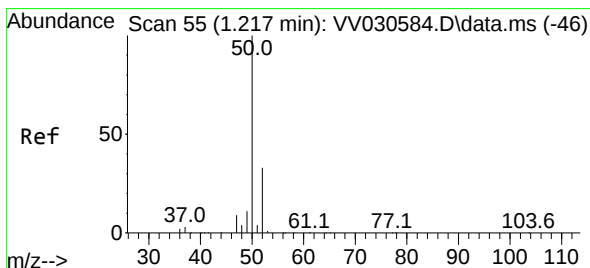
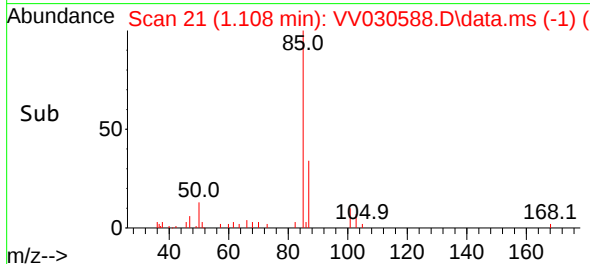
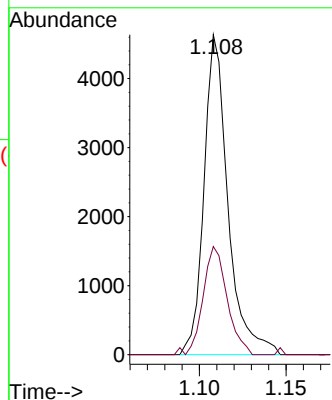
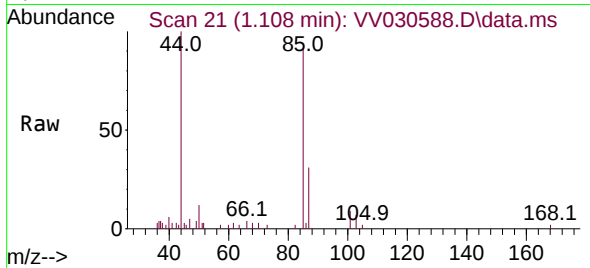




#2
 Dichlorodifluoromethane
 Concen: 2.056 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV030588.D
 Acq: 17 Apr 2023 14:59

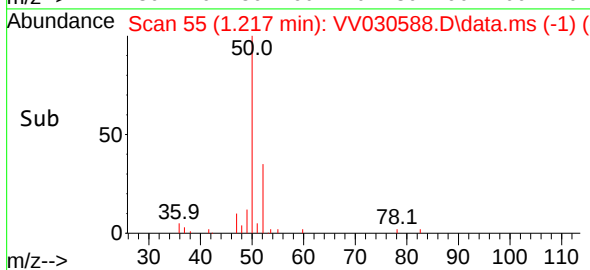
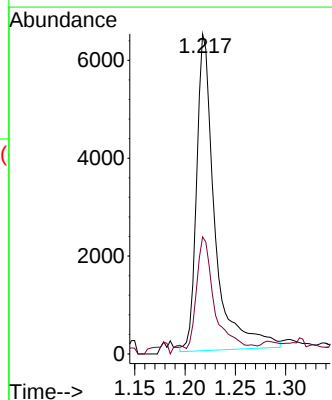
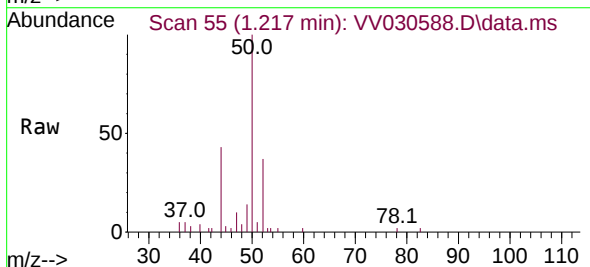
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

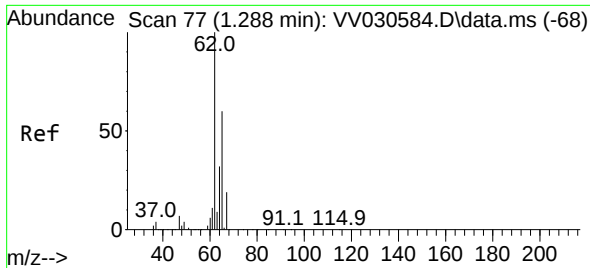
Tgt Ion: 85 Resp: 4463
 Ion Ratio Lower Upper
 85 100
 87 33.5 25.6 38.4



#3
 Chloromethane
 Concen: 2.876 ug/L
 RT: 1.217 min Scan# 55
 Delta R.T. 0.000 min
 Lab File: VV030588.D
 Acq: 17 Apr 2023 14:59

Tgt Ion: 50 Resp: 8190
 Ion Ratio Lower Upper
 50 100
 52 36.6 22.5 41.9

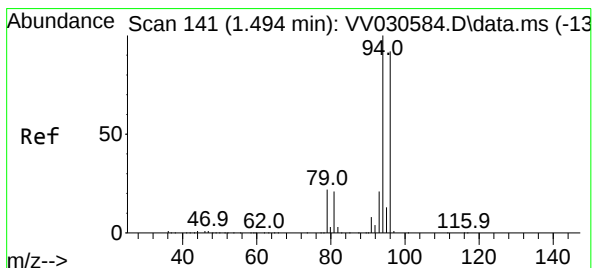
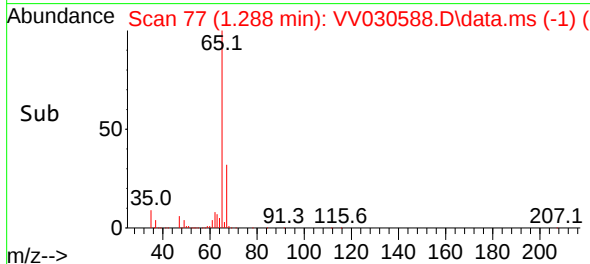
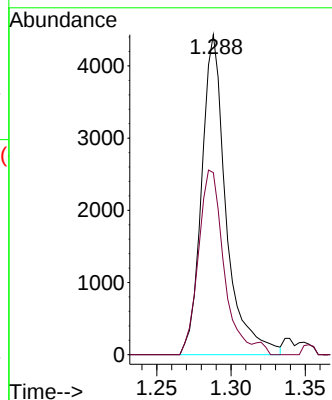
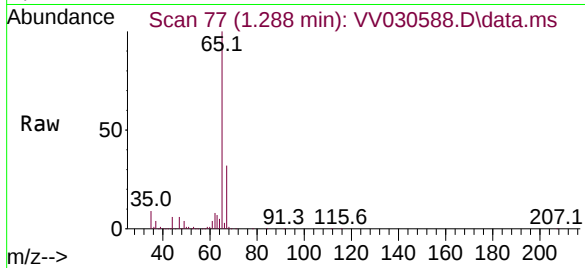




#5
 Vinyl chloride
 Concen: 2.209 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: VV030588.D
 Acq: 17 Apr 2023 14:59

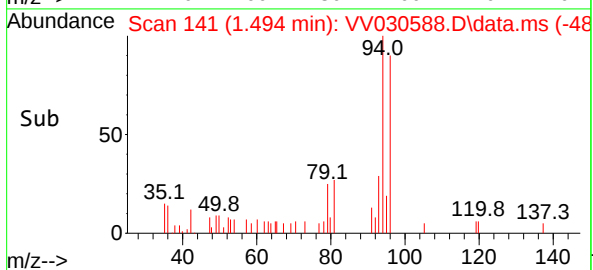
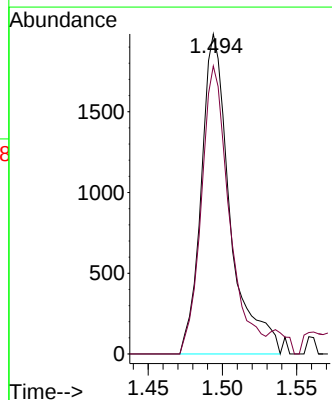
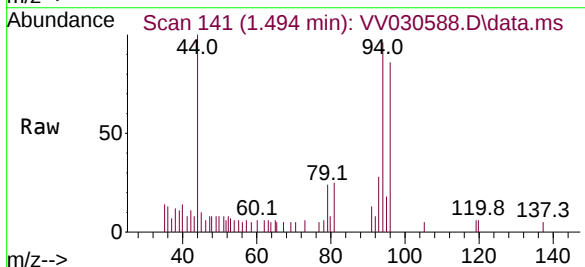
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-03

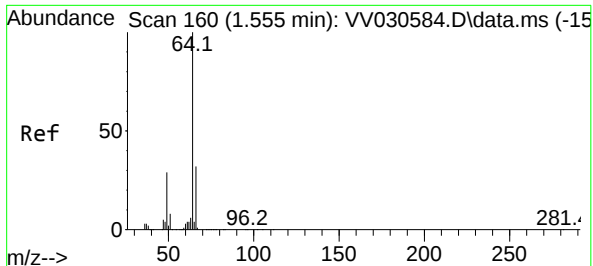
Tgt Ion: 62 Resp: 5072
 Ion Ratio Lower Upper
 62 100
 64 56.9 23.4 43.4#



#6
 Bromomethane
 Concen: 2.939 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. 0.000 min
 Lab File: VV030588.D
 Acq: 17 Apr 2023 14:59

Tgt Ion: 94 Resp: 2676
 Ion Ratio Lower Upper
 94 100
 96 90.0 66.3 123.1

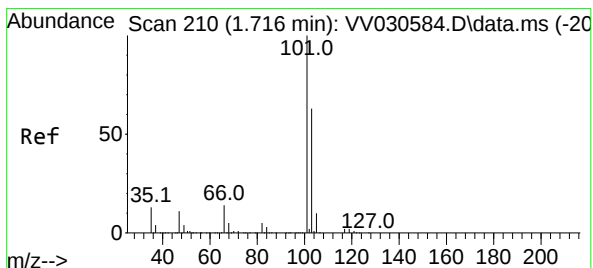
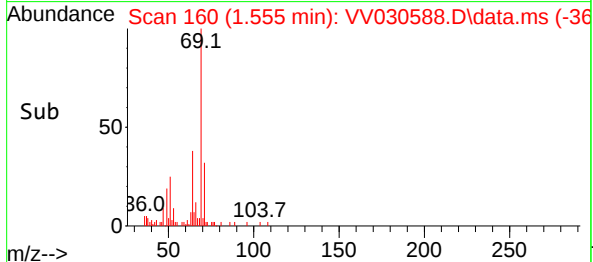
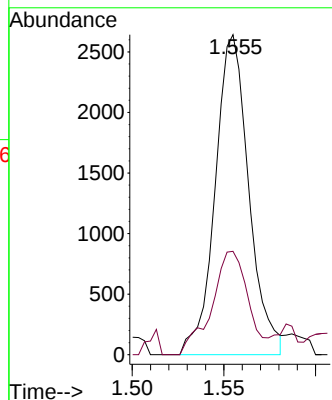
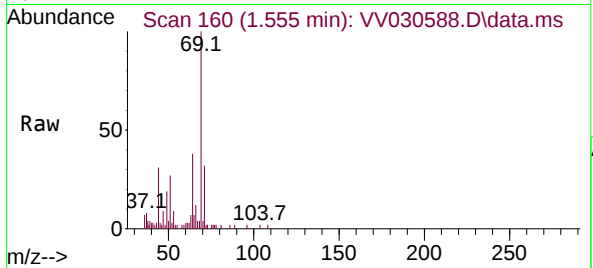




#8
Chloroethane
Concen: 2.138 ug/L
RT: 1.555 min Scan# 10
Delta R.T. 0.000 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

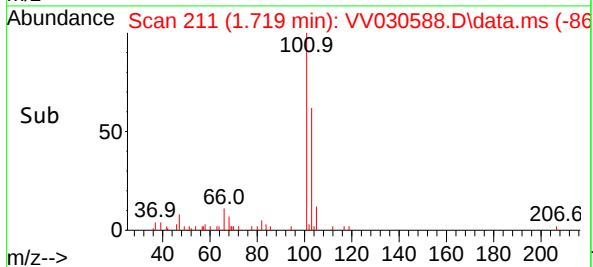
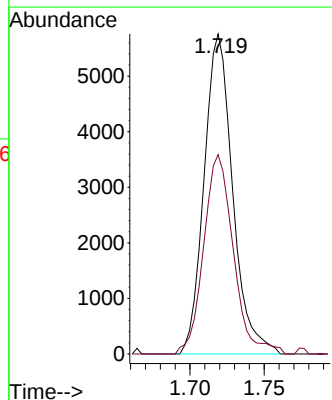
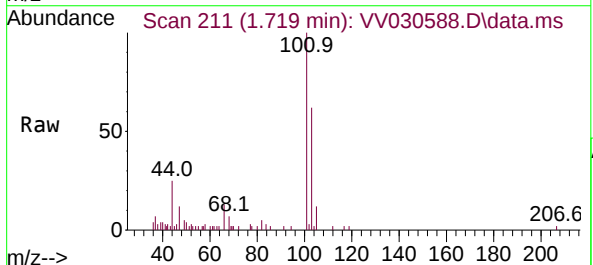
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

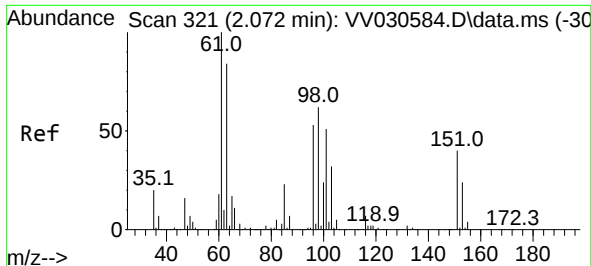
Tgt Ion: 64 Resp: 3367
Ion Ratio Lower Upper
64 100
66 32.3 22.7 42.3



#9
Trichlorofluoromethane
Concen: 2.071 ug/L
RT: 1.719 min Scan# 211
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion:101 Resp: 7707
Ion Ratio Lower Upper
101 100
103 63.2 51.4 77.0





#10

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

Concen: 2.658 ug/L

RT: 2.076 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

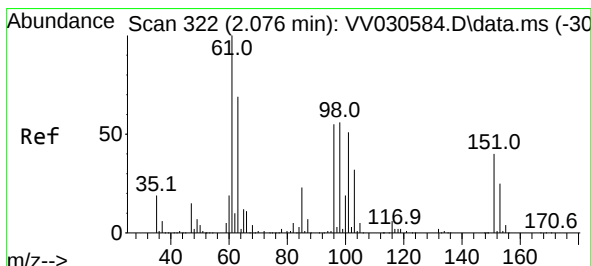
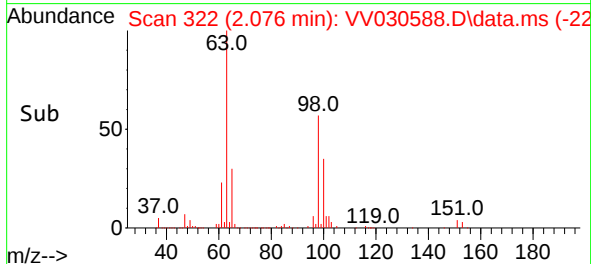
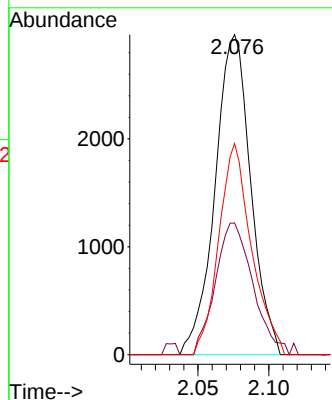
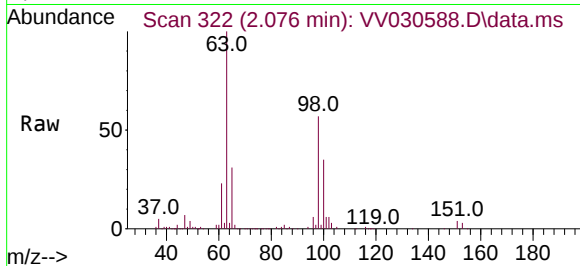
Tgt Ion:101 Resp: 5197

Ion Ratio Lower Upper

101 100

85 42.9 37.5 56.3

151 60.5 63.5 95.3#



#12

1,1-Dichloroethene

Concen: 2.669 ug/L

RT: 2.076 min Scan# 322

Delta R.T. 0.000 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

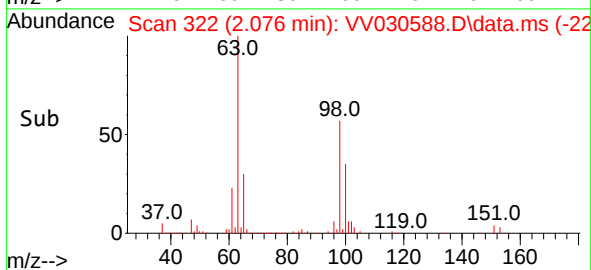
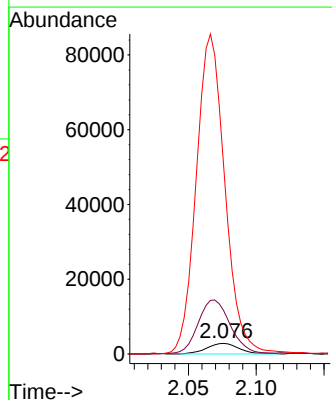
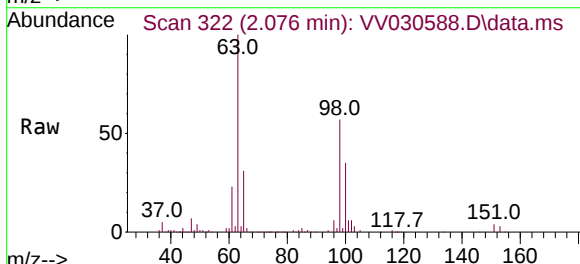
Tgt Ion: 96 Resp: 4718

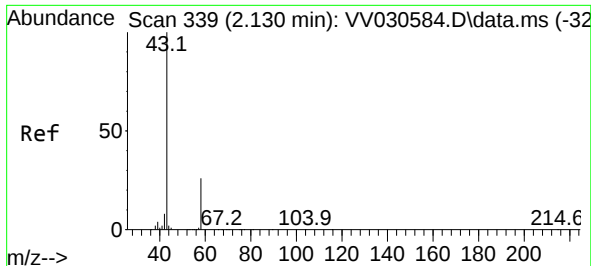
Ion Ratio Lower Upper

96 100

61 410.2 131.9 245.0#

63 1784.8 99.8 185.3#





#13

Acetone

Concen: 3.864 ug/L

RT: 2.130 min Scan# 31

Delta R.T. 0.000 min

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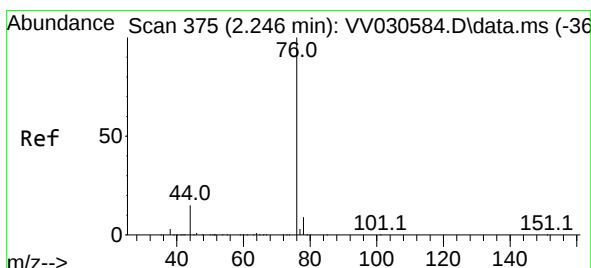
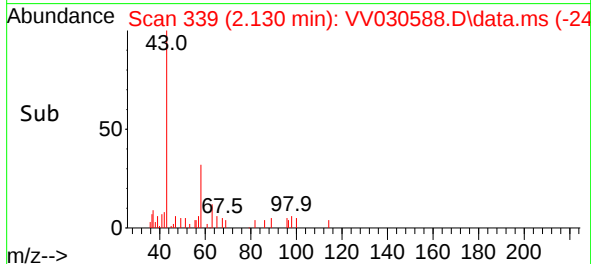
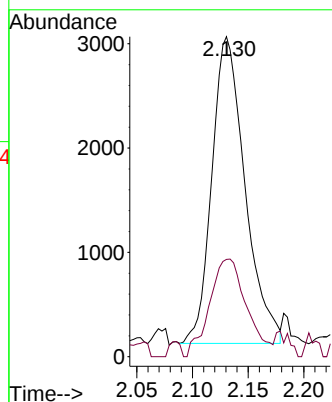
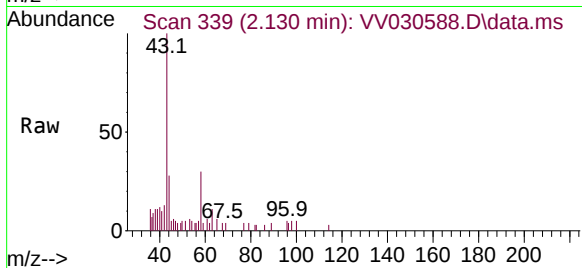
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 43 Resp: 6079

Ion Ratio Lower Upper

43 100

58 35.6 0.0 52.8



#14

Carbon disulfide

Concen: 2.245 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030588.D

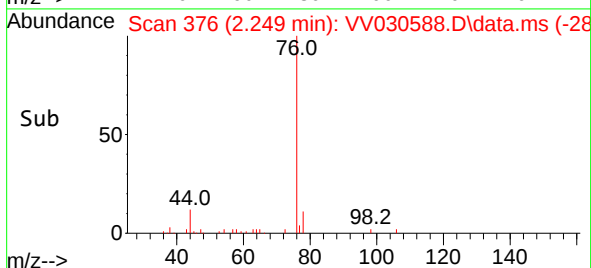
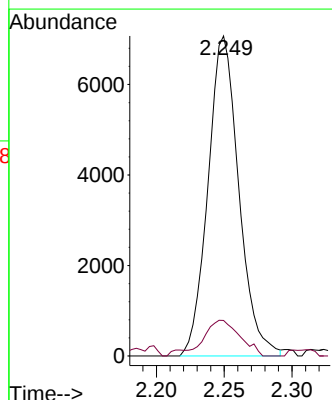
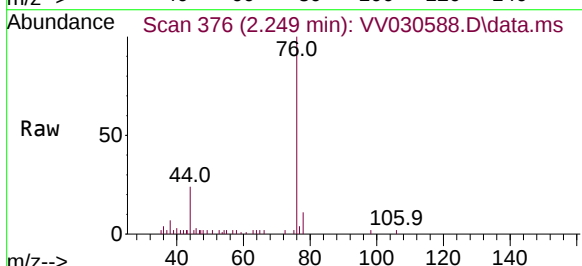
Acq: 17 Apr 2023 14:59

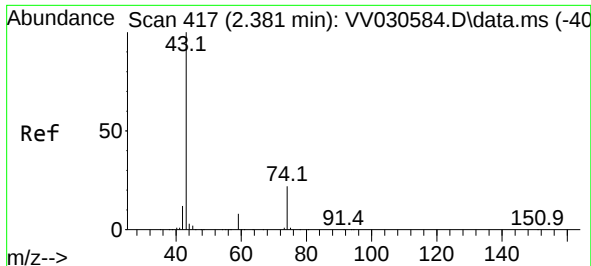
Tgt Ion: 76 Resp: 11211

Ion Ratio Lower Upper

76 100

78 11.1 7.0 10.4#

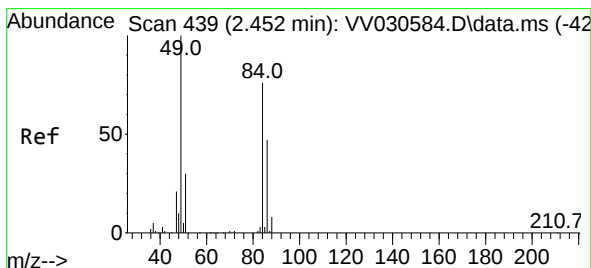
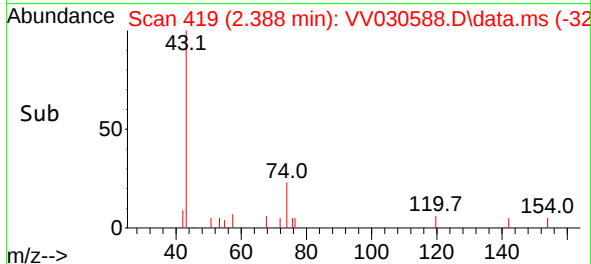
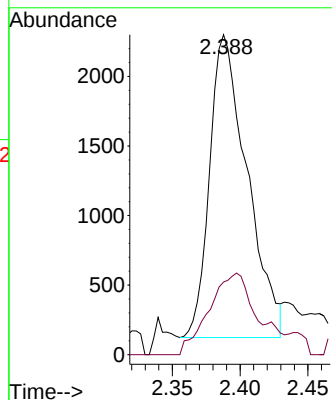
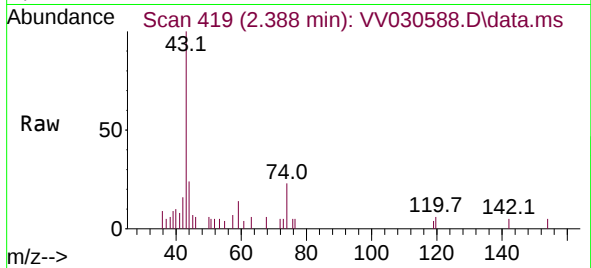




#15
Methyl Acetate
Concen: 1.993 ug/L
RT: 2.388 min Scan# 41
Delta R.T. 0.007 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

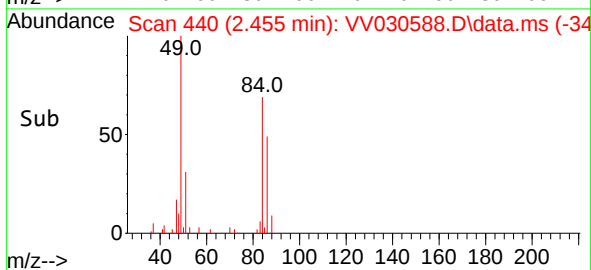
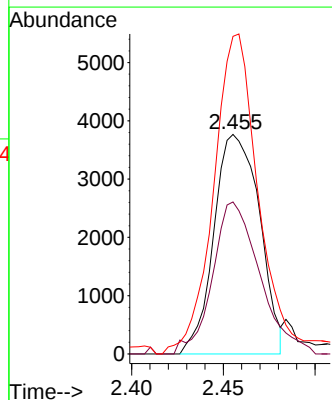
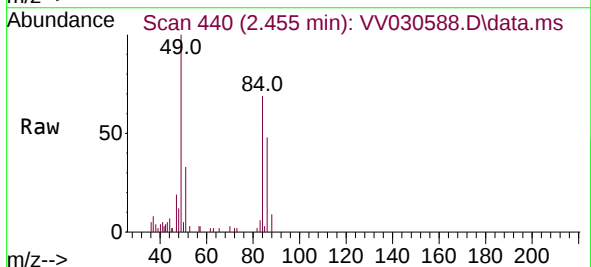
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

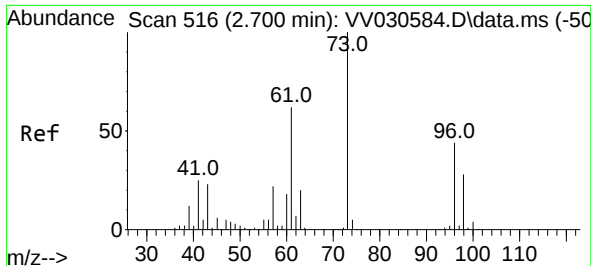
Tgt Ion: 43 Resp: 4185
Ion Ratio Lower Upper
43 100
74 30.5 17.7 26.5#



#16
Methylene chloride
Concen: 3.217 ug/L
RT: 2.455 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion: 84 Resp: 6508
Ion Ratio Lower Upper
84 100
86 69.2 45.4 84.2
49 144.7 90.4 168.0

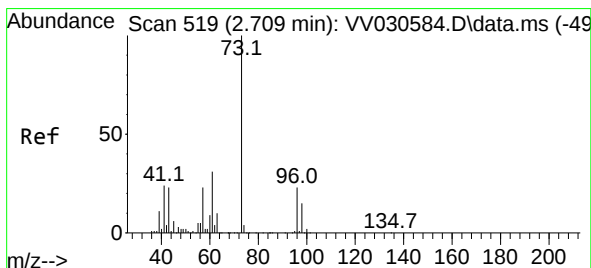
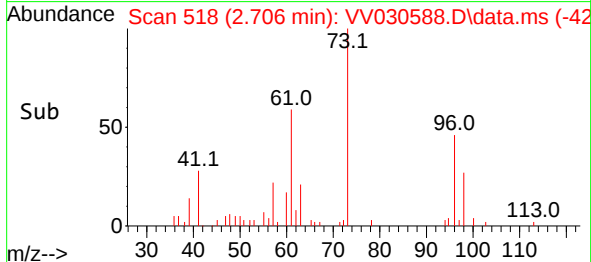
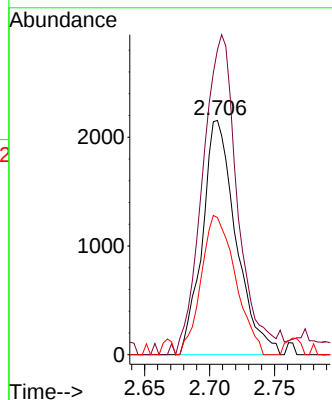
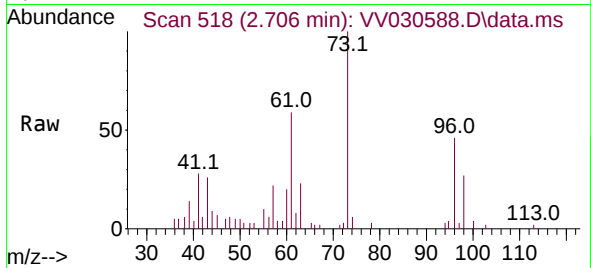




#17
trans-1,2-Dichloroethene
Concen: 2.171 ug/L
RT: 2.706 min Scan# 51
Delta R.T. 0.007 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

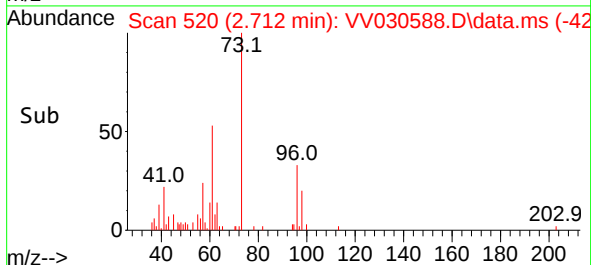
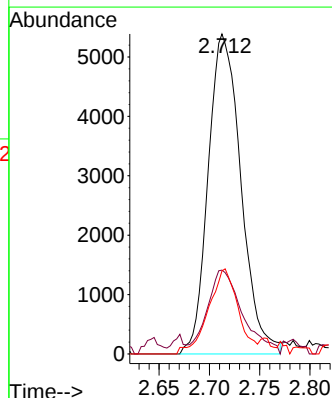
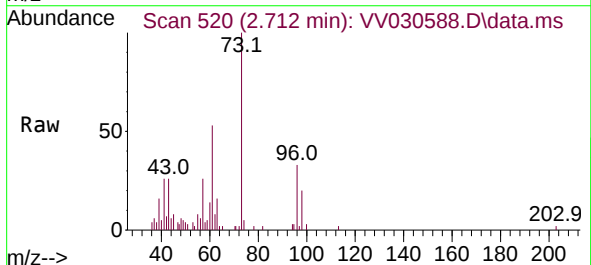
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

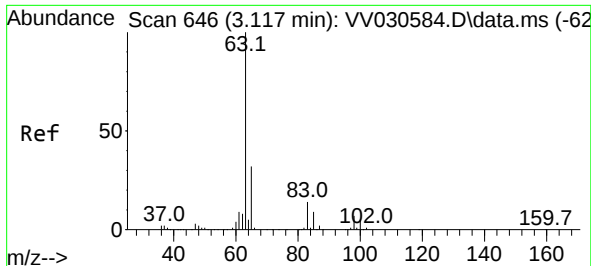
Tgt Ion: 96 Resp: 3874
Ion Ratio Lower Upper
96 100
61 130.2 101.0 187.6
98 58.6 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 2.138 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion: 73 Resp: 12220
Ion Ratio Lower Upper
73 100
43 28.3 17.6 26.4#
57 22.2 18.2 27.2





#19

1,1-Dichloroethane

Concen: 2.109 ug/L

RT: 3.124 min Scan# 646

Delta R.T. 0.007 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

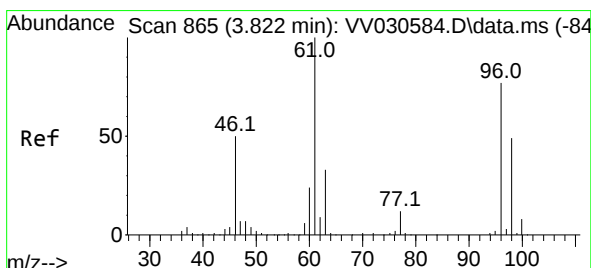
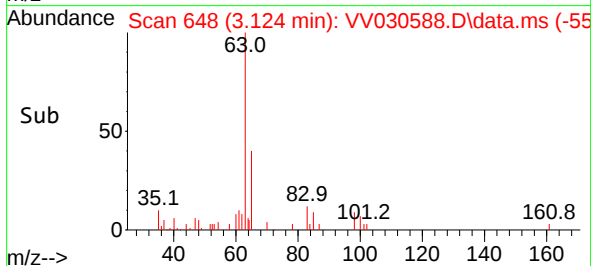
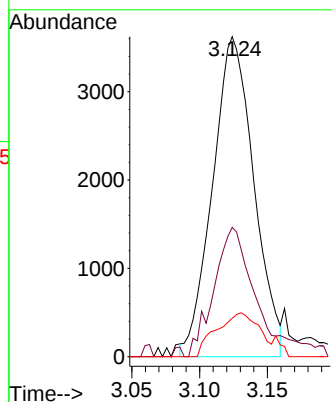
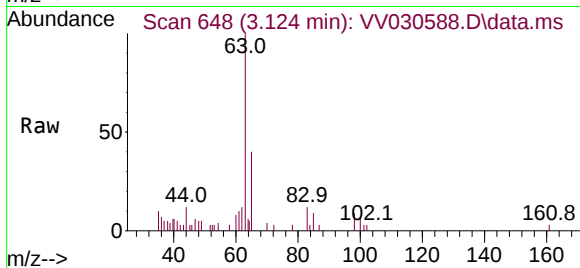
Tgt Ion: 63 Resp: 7675

Ion Ratio Lower Upper

63 100

65 40.4 21.8 40.6

83 12.0 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 2.319 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.007 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

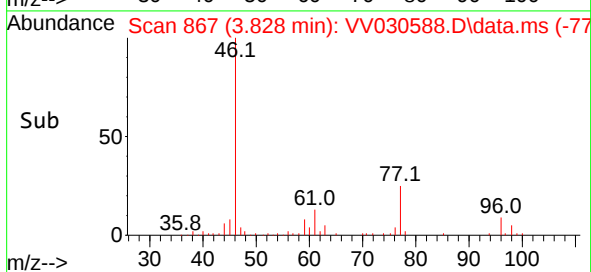
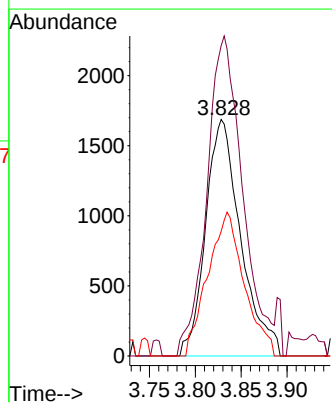
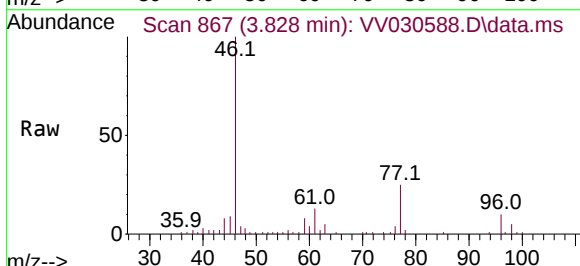
Tgt Ion: 96 Resp: 4502

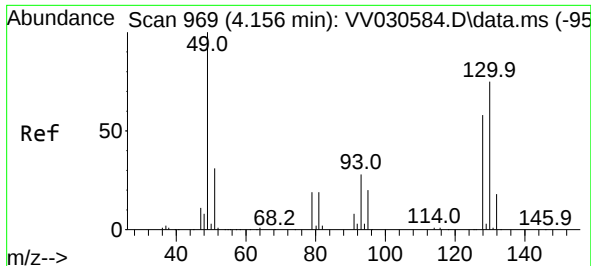
Ion Ratio Lower Upper

96 100

61 131.2 92.3 171.3

98 52.7 45.9 85.3

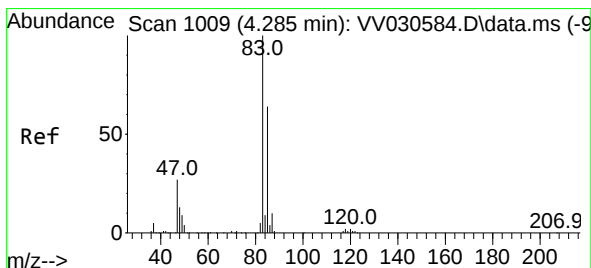
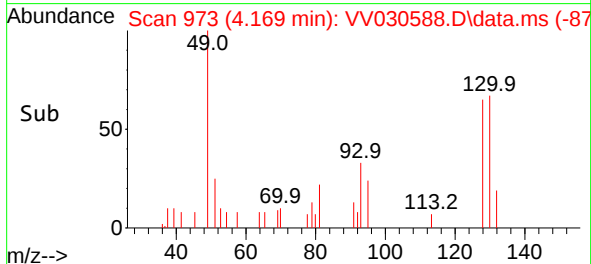
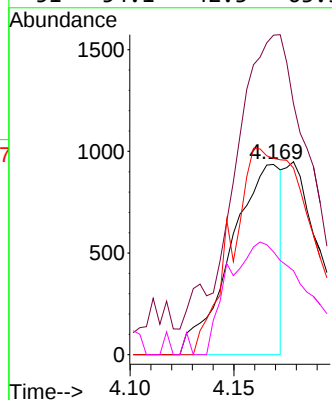
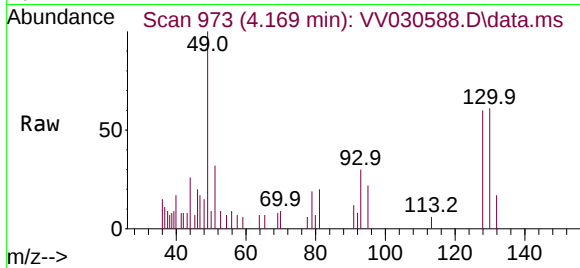




#23
Bromochloromethane
Concen: 1.433 ug/L
RT: 4.169 min Scan# 91
Delta R.T. 0.013 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

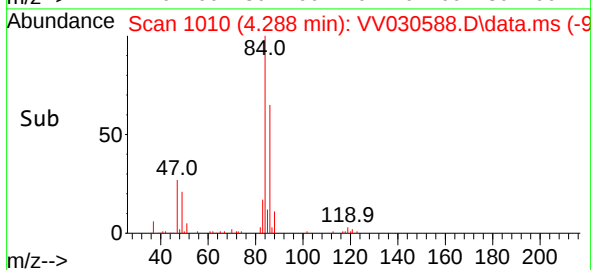
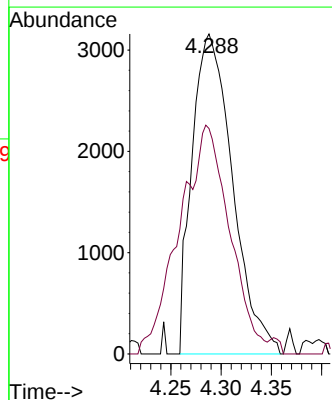
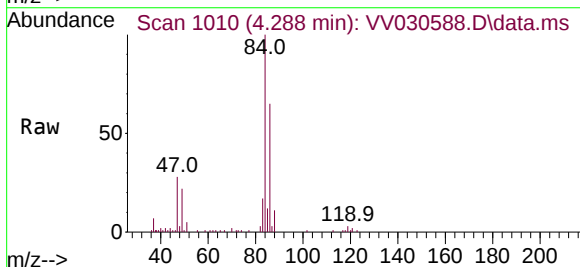
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

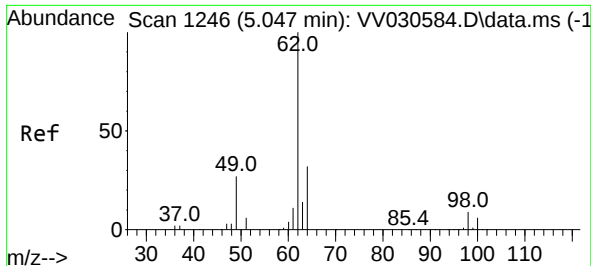
Tgt Ion:	128	Resp:	1554
Ion	Ratio	Lower	Upper
128	100		
49	167.9	114.7	213.1
130	103.2	89.0	165.2
51	54.1	42.3	63.5



#25
Chloroform
Concen: 2.349 ug/L
RT: 4.288 min Scan# 1010
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion:	83	Resp:	8849
Ion	Ratio	Lower	Upper
83	100		
85	70.5	45.8	85.2





#27

1,2-Dichloroethane

Concen: 1.961 ug/L

RT: 5.063 min Scan# 1125

Delta R.T. 0.016 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

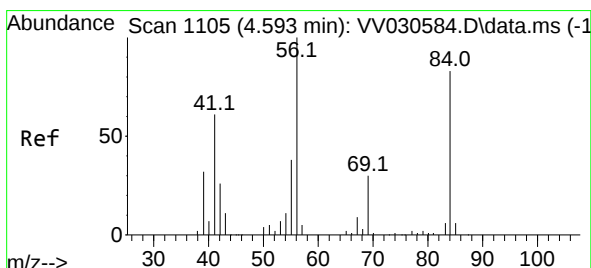
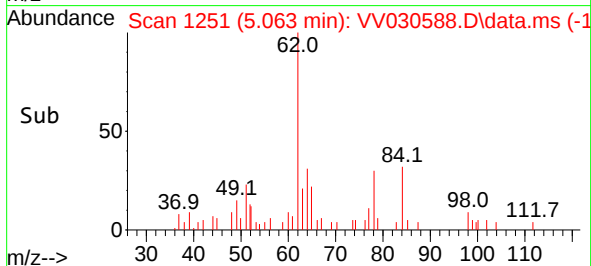
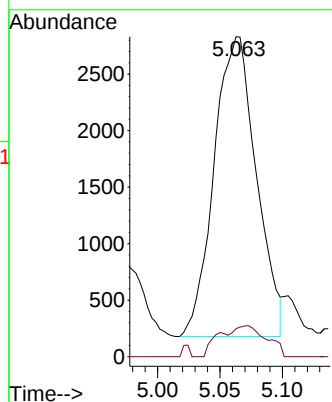
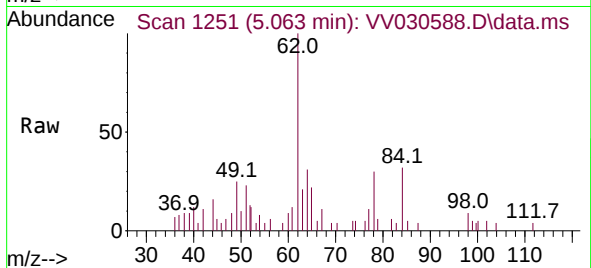
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 62 Resp: 6252

Ion Ratio Lower Upper

62 100

98 8.8 6.4 9.6



#29

Cyclohexane

Concen: 1.981 ug/L

RT: 4.597 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

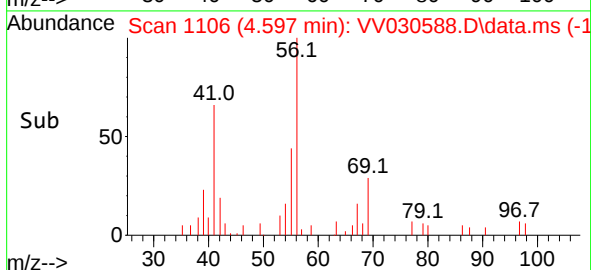
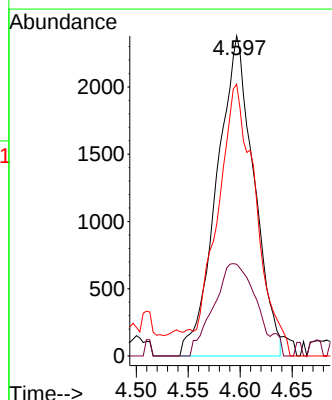
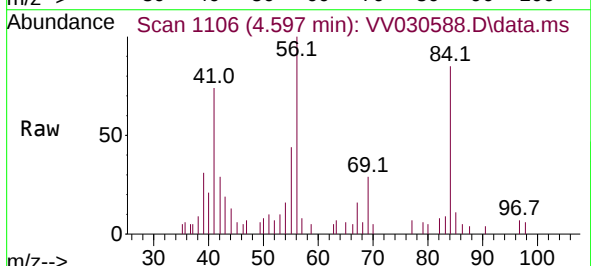
Tgt Ion: 56 Resp: 5898

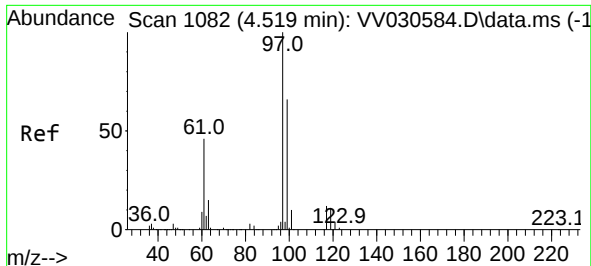
Ion Ratio Lower Upper

56 100

69 32.3 24.0 36.0

84 87.7 68.2 102.2





#30

1,1,1-Trichloroethane

Concen: 2.061 ug/L

RT: 4.532 min Scan# 1086

Delta R.T. 0.013 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

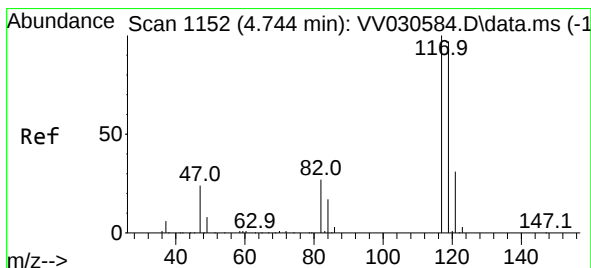
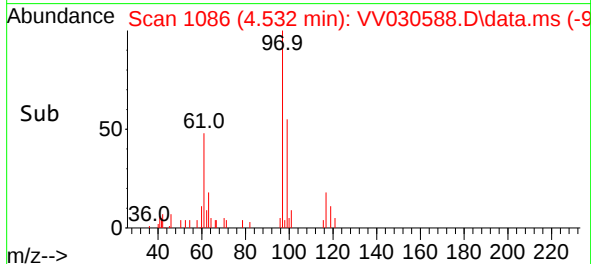
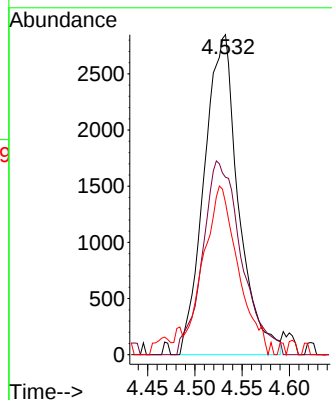
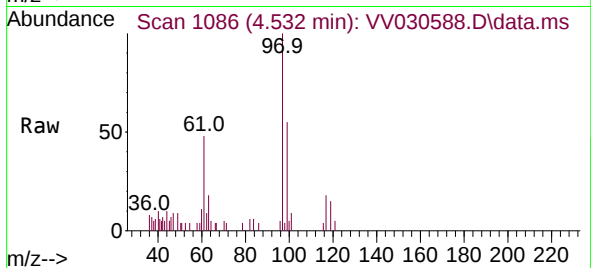
Tgt Ion: 97 Resp: 7185

Ion Ratio Lower Upper

97 100

99 68.7 51.4 77.0

61 53.3 37.0 55.6



#31

Carbon tetrachloride

Concen: 2.027 ug/L

RT: 4.748 min Scan# 1153

Delta R.T. 0.003 min

Lab File: VV030588.D

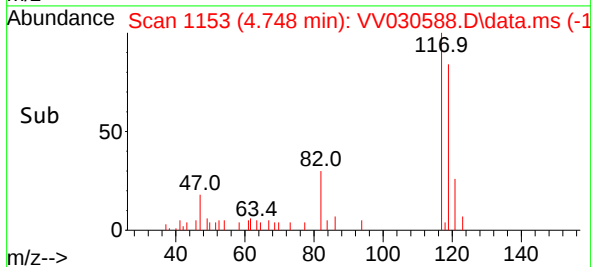
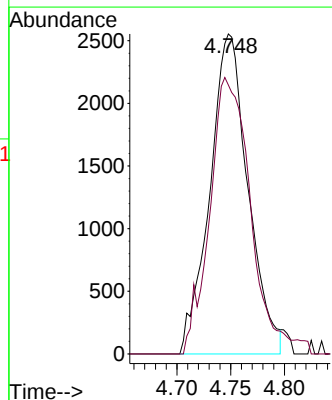
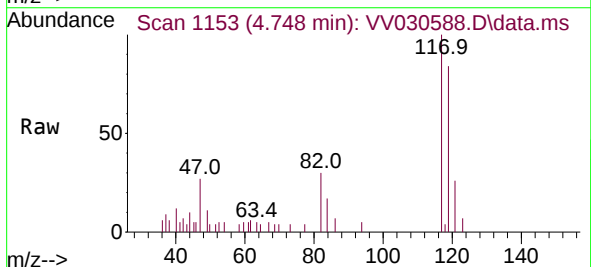
Acq: 17 Apr 2023 14:59

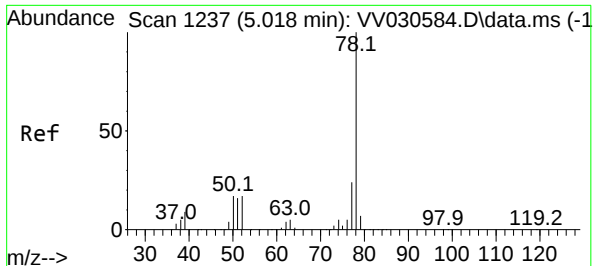
Tgt Ion: 117 Resp: 6315

Ion Ratio Lower Upper

117 100

119 82.0 75.9 113.9

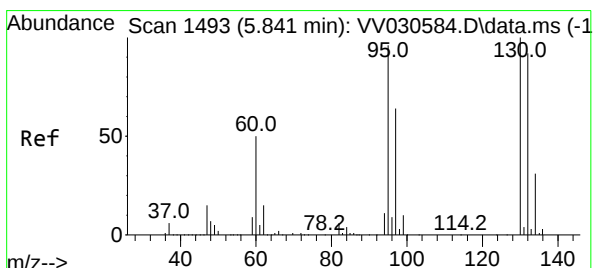
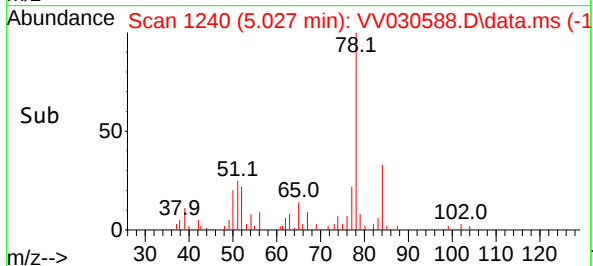
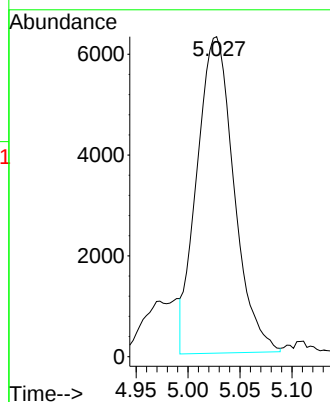
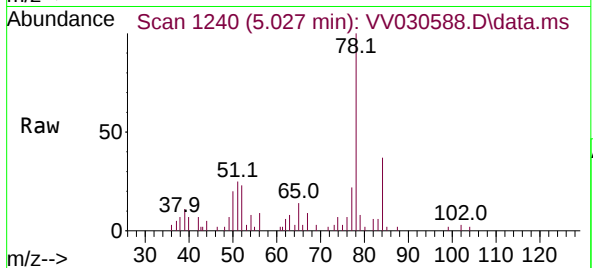




#33
Benzene
Concen: 2.065 ug/L
RT: 5.027 min Scan# 11
Delta R.T. 0.010 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

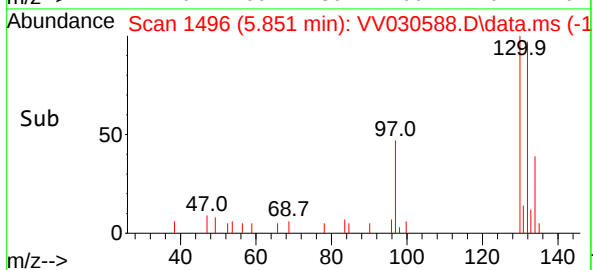
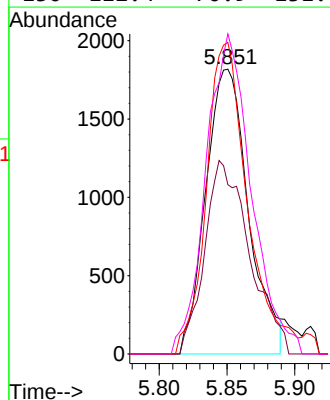
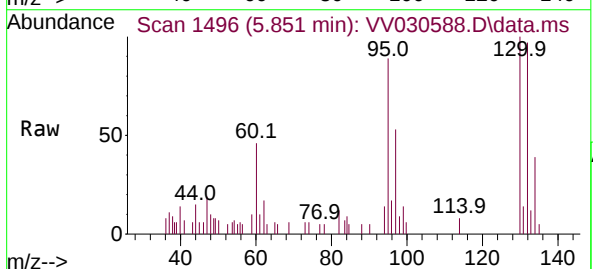
Tgt Ion: 78 Resp: 15556

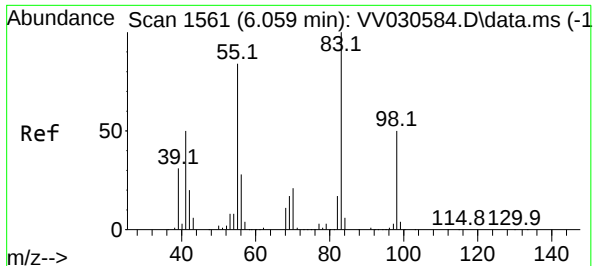


#34
Trichloroethene
Concen: 2.035 ug/L
RT: 5.851 min Scan# 1496
Delta R.T. 0.010 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion: 95 Resp: 3987

Ion	Ratio	Lower	Upper
95	100		
97	59.5	45.8	85.2
132	109.4	70.6	131.2
130	112.4	70.9	131.7

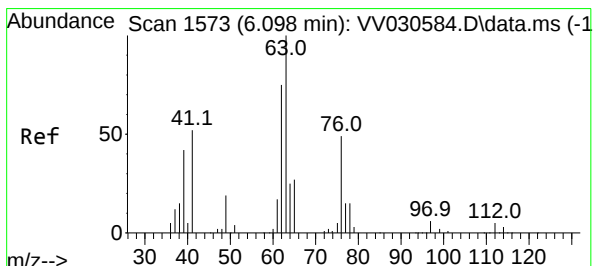
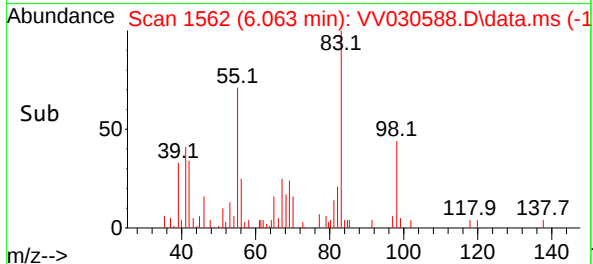
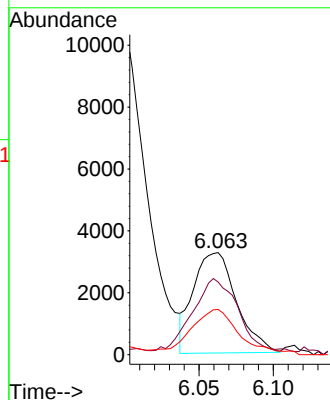
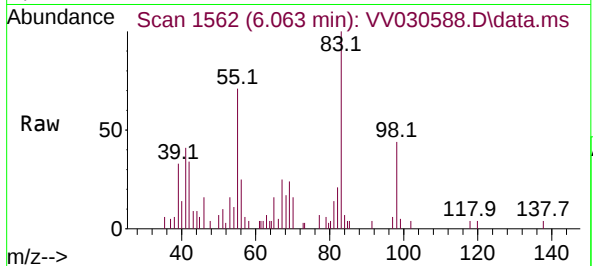




#35
Methylcyclohexane
Concen: 2.139 ug/L
RT: 6.063 min Scan# 1561
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

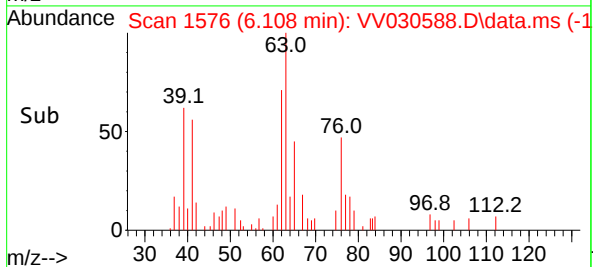
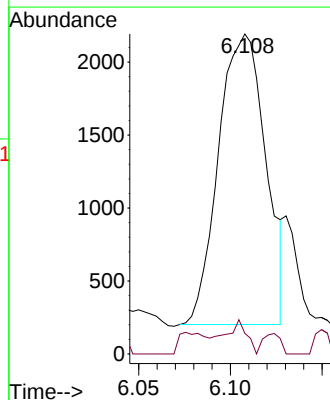
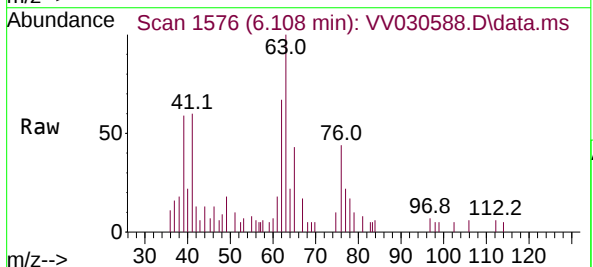
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

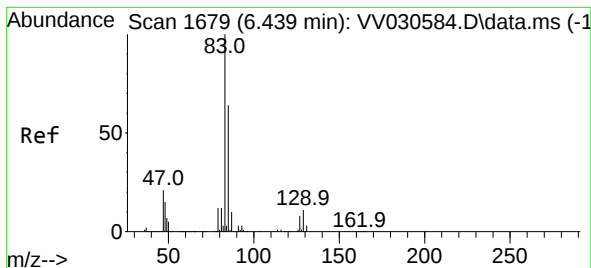
Tgt Ion:	83	Resp:	6568
Ion	Ratio	Lower	Upper
83	100		
55	75.9	65.5	98.3
98	43.3	38.7	58.1



#37
1,2-Dichloropropane
Concen: 1.754 ug/L
RT: 6.108 min Scan# 1576
Delta R.T. 0.010 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion:	63	Resp:	3556
Ion	Ratio	Lower	Upper
63	100		
112	3.4	3.8	5.8





#38

Bromodichloromethane

Concen: 2.138 ug/L

RT: 6.445 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

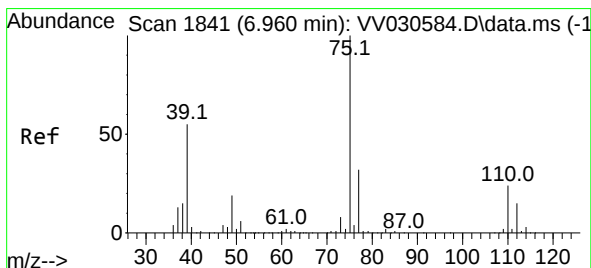
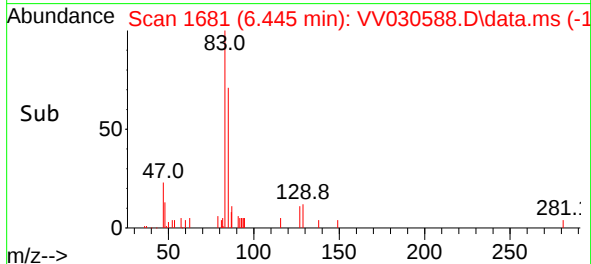
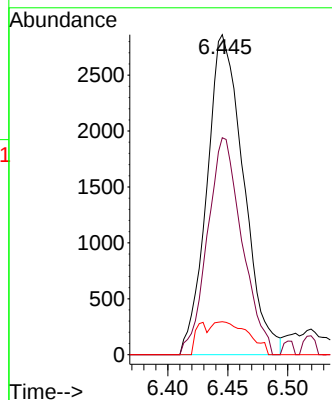
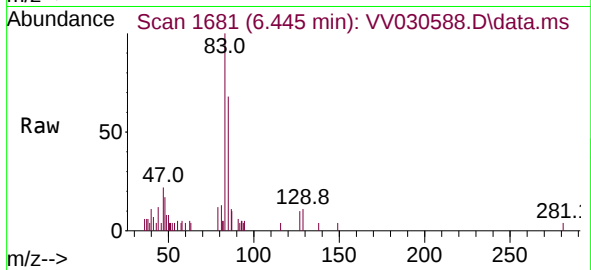
Tgt Ion: 83 Resp: 6089

Ion Ratio Lower Upper

83 100

85 67.8 45.4 84.4

127 10.3 7.0 10.4



#39

cis-1,3-Dichloropropene

Concen: 1.849 ug/L

RT: 6.970 min Scan# 1844

Delta R.T. 0.010 min

Lab File: VV030588.D

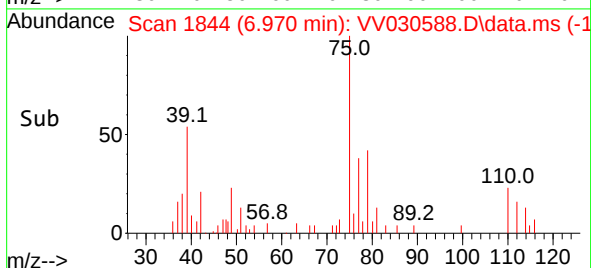
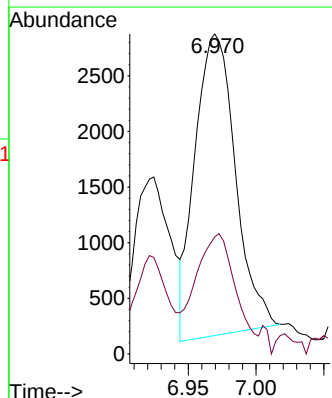
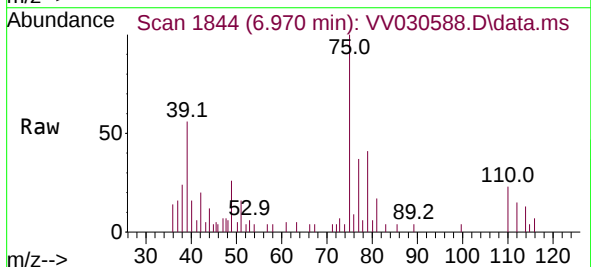
Acq: 17 Apr 2023 14:59

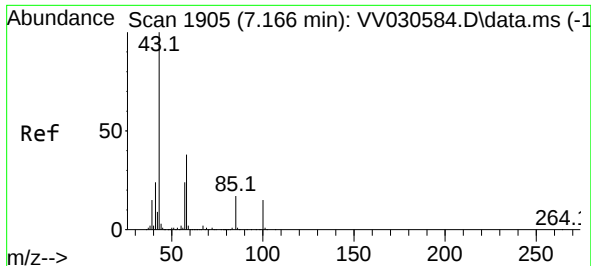
Tgt Ion: 75 Resp: 5625

Ion Ratio Lower Upper

75 100

77 36.6 22.0 40.8





#40

4-Methyl-2-pentanone

Concen: 3.447 ug/L

RT: 7.175 min Scan# 1905

Delta R.T. 0.010 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

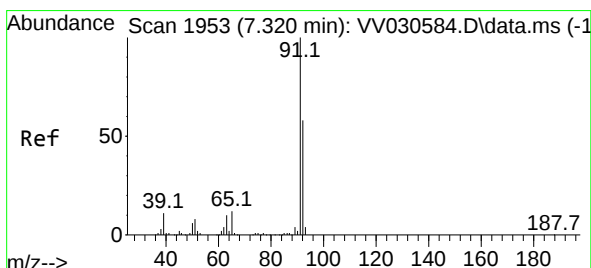
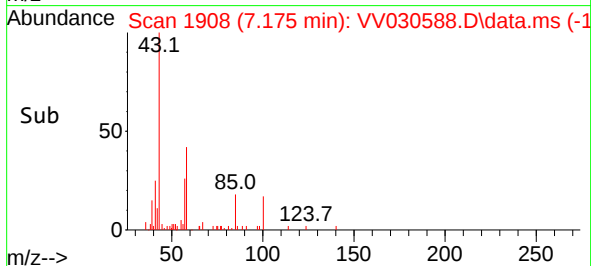
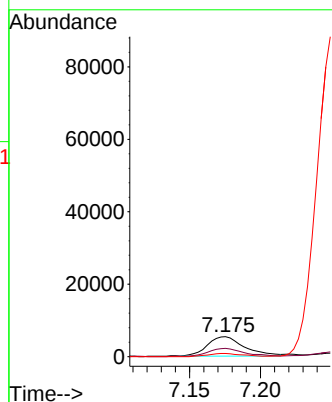
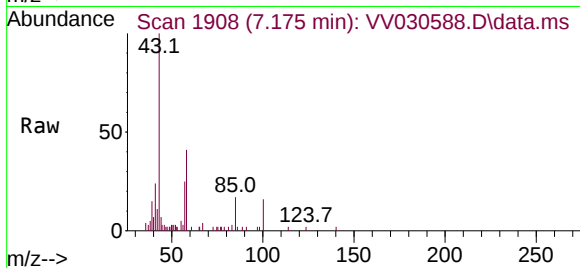
Tgt Ion: 43 Resp: 9762

Ion Ratio Lower Upper

43 100

58 40.2 29.2 43.8

100 16.0 11.3 16.9



#42

Toluene

Concen: 1.931 ug/L

RT: 7.330 min Scan# 1956

Delta R.T. 0.010 min

Lab File: VV030588.D

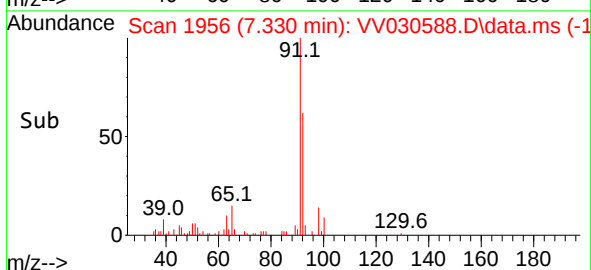
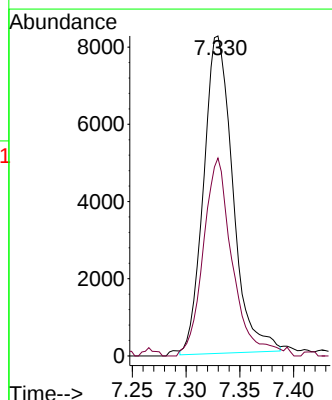
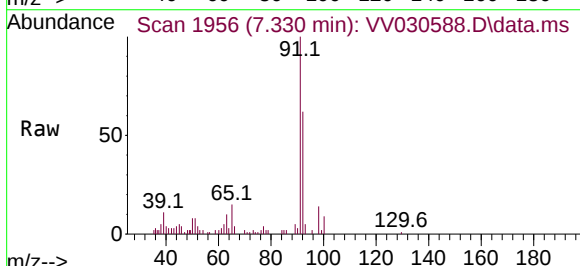
Acq: 17 Apr 2023 14:59

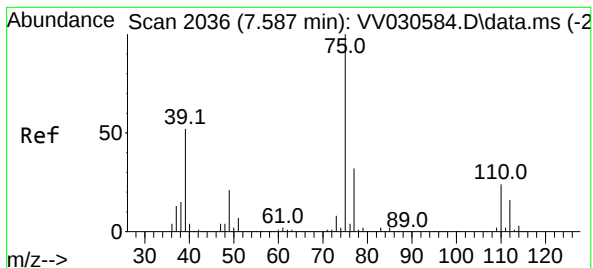
Tgt Ion: 91 Resp: 15583

Ion Ratio Lower Upper

91 100

92 61.9 39.8 73.8





#44

trans-1,3-Dichloropropene

Concen: 1.841 ug/L

RT: 7.596 min Scan# 2036

Delta R.T. 0.010 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

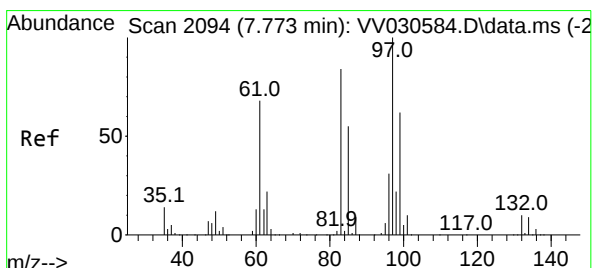
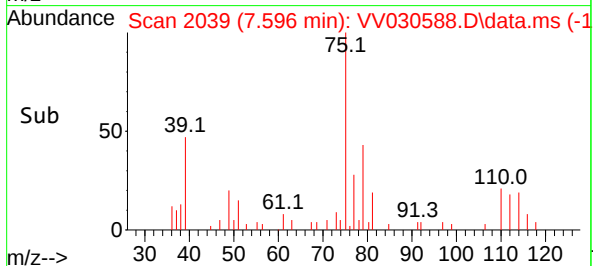
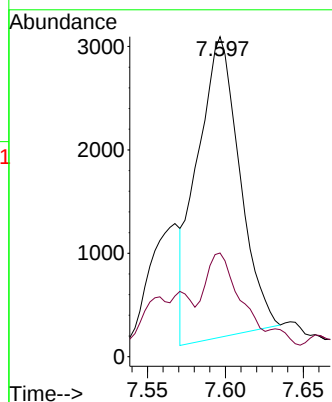
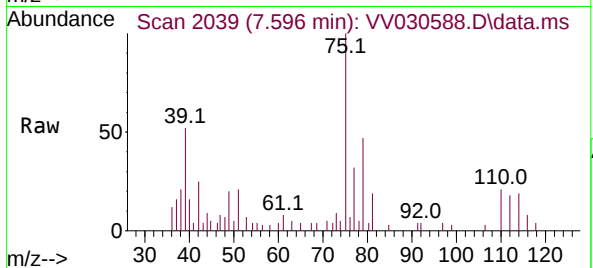
MDL-MED-SOIL-QT2-2023-03

Tgt Ion: 75 Resp: 5504

Ion Ratio Lower Upper

75 100

77 32.4 22.1 41.1



#45

1,1,2-Trichloroethane

Concen: 2.228 ug/L

RT: 7.780 min Scan# 2096

Delta R.T. 0.007 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Tgt Ion: 97 Resp: 4529

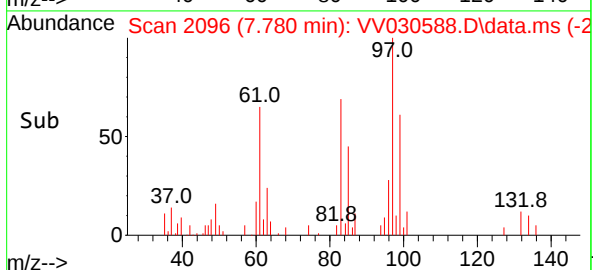
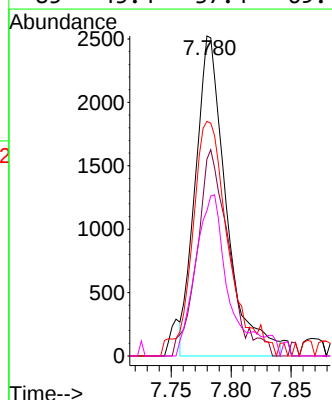
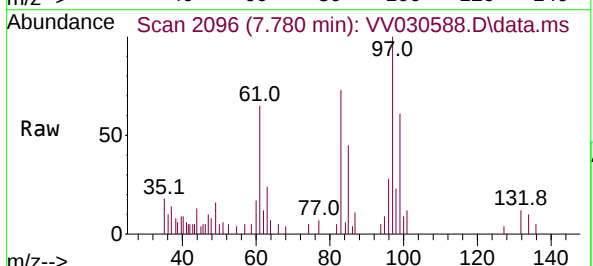
Ion Ratio Lower Upper

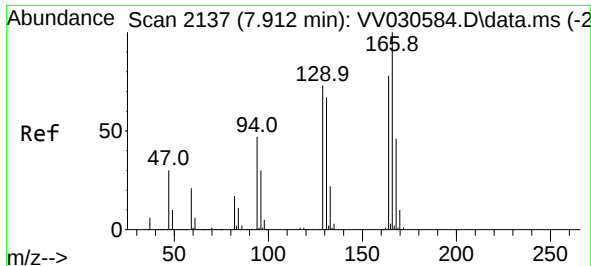
97 100

99 61.5 43.8 81.4

83 73.3 59.6 110.6

85 45.4 37.4 69.4

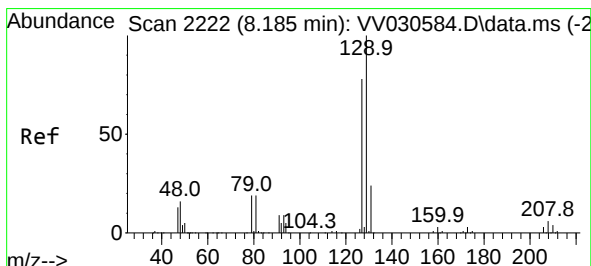
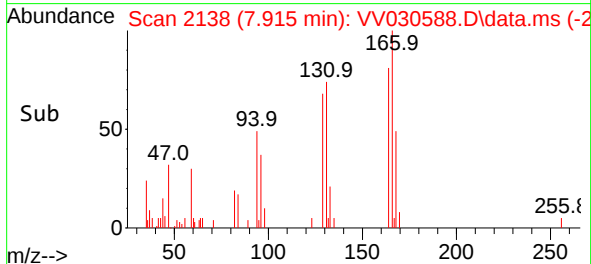
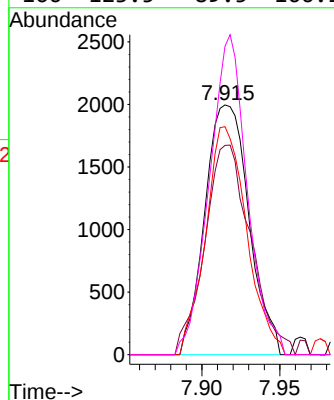
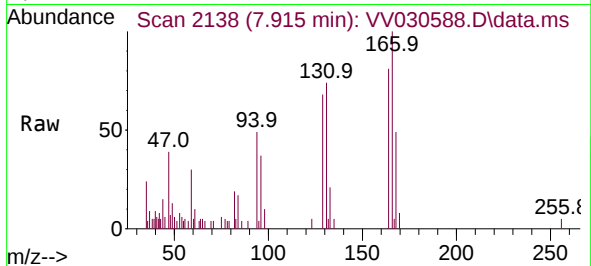




#46
Tetrachloroethene
Concen: 2.286 ug/L
RT: 7.915 min Scan# 2137
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

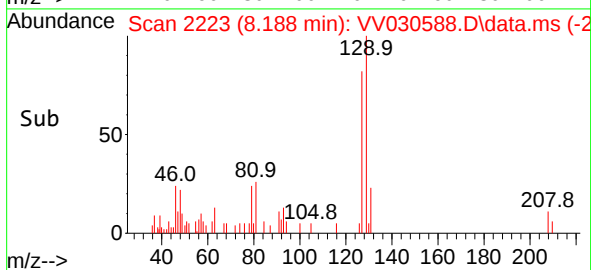
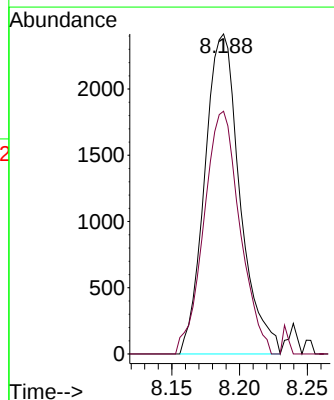
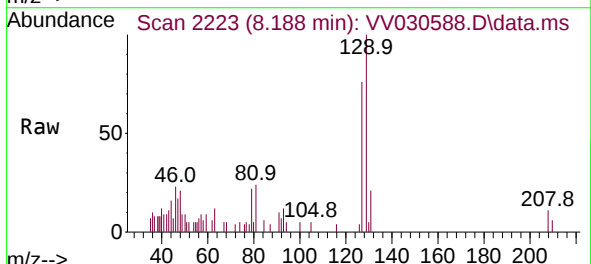
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

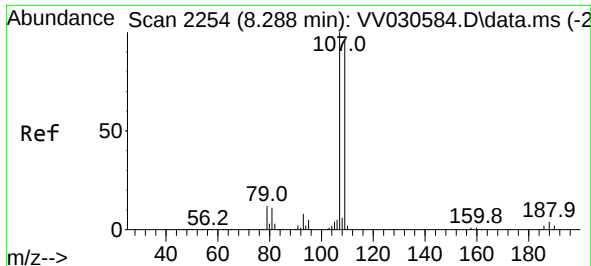
Tgt Ion:164	Resp:	3920	
Ion	Ratio	Lower	Upper
164	100		
129	83.8	63.8	118.6
131	91.2	60.3	111.9
166	123.5	89.5	166.1



#49
Dibromochloromethane
Concen: 1.952 ug/L
RT: 8.188 min Scan# 2223
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion:129	Resp:	4377	
Ion	Ratio	Lower	Upper
129	100		
127	75.9	52.8	98.2





#50

1,2-Dibromoethane

Concen: 2.099 ug/L

RT: 8.294 min Scan# 21

Delta R.T. 0.007 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

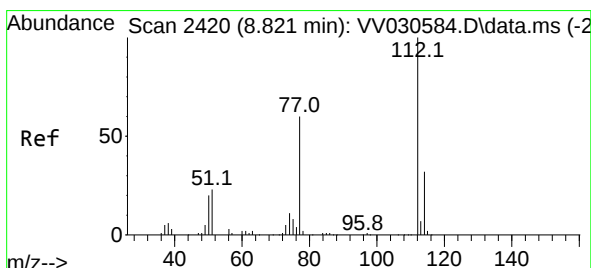
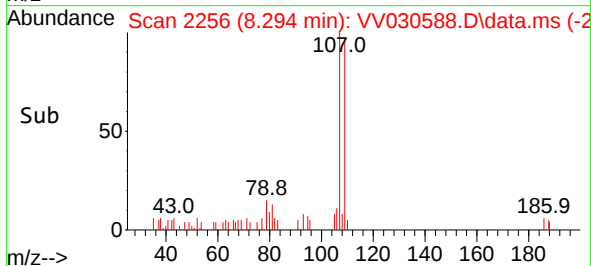
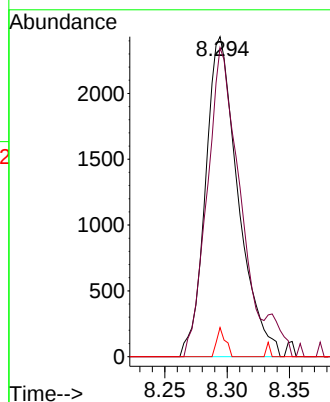
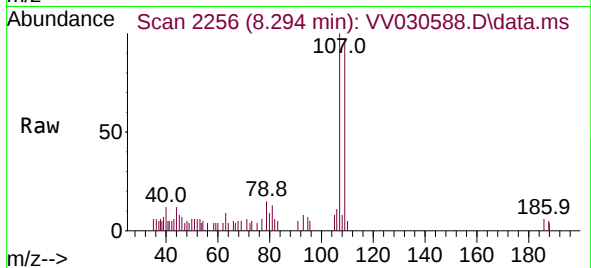
Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion:	107	Resp:	4422
Ion	Ratio	Lower	Upper
107	100		
109	96.5	65.7	121.9
188	9.1	3.2	4.8#



#51

Chlorobenzene

Concen: 2.107 ug/L

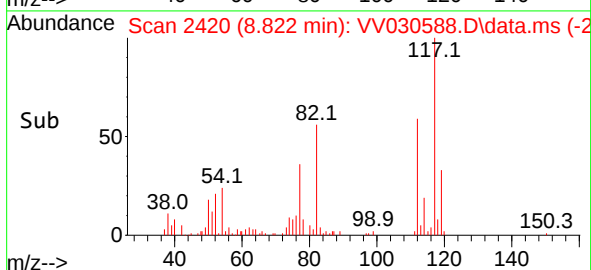
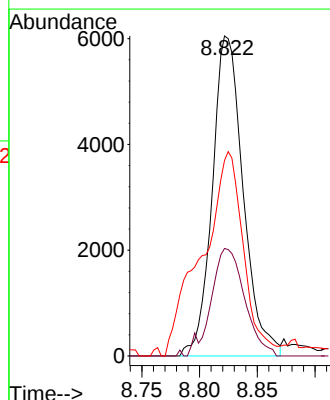
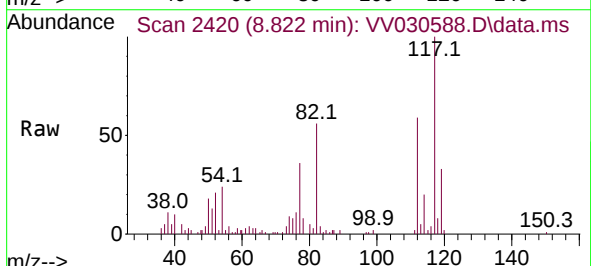
RT: 8.822 min Scan# 2420

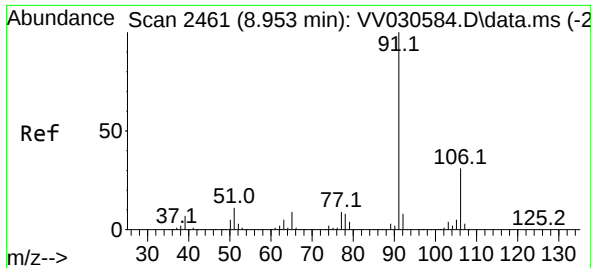
Delta R.T. 0.000 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Tgt Ion:	112	Resp:	11259
Ion	Ratio	Lower	Upper
112	100		
114	33.6	22.4	41.6
77	61.1	47.4	71.0

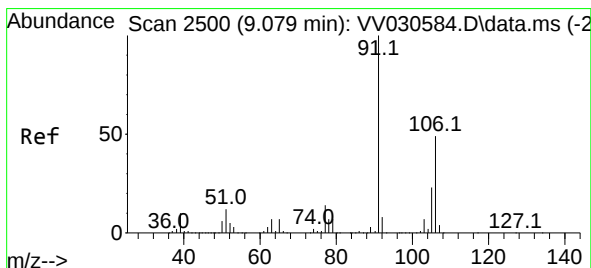
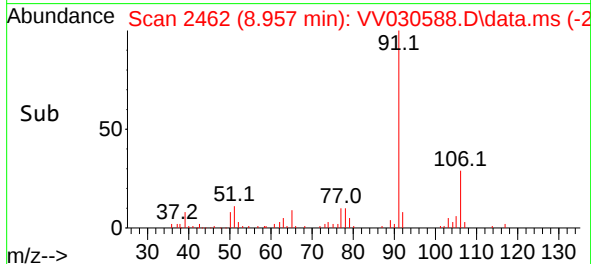
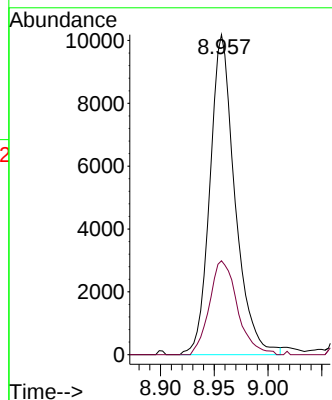
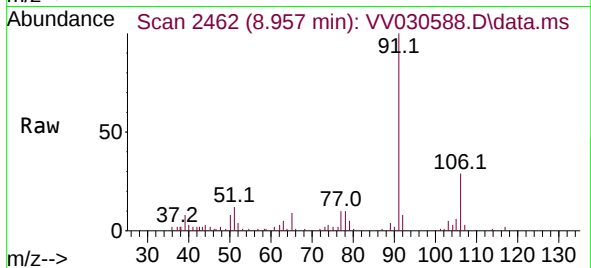




#52
Ethylbenzene
Concen: 1.850 ug/L
RT: 8.957 min Scan# 2461
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

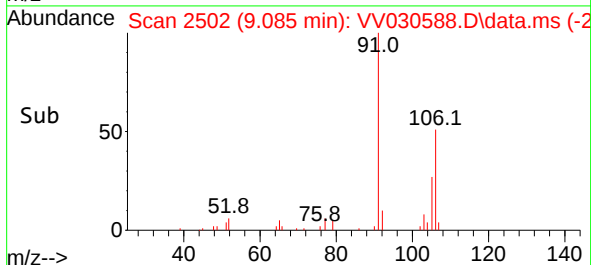
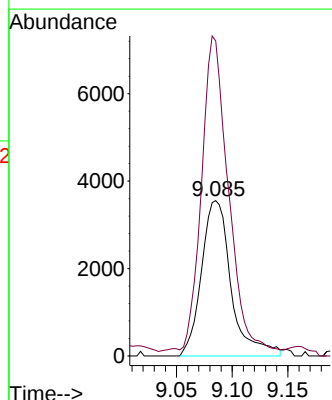
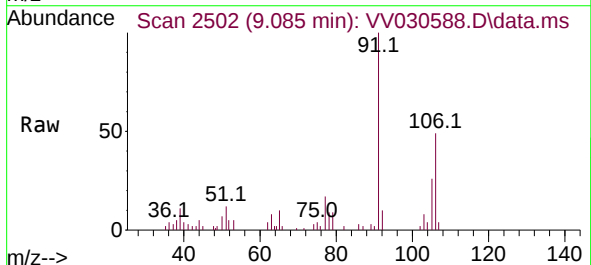
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

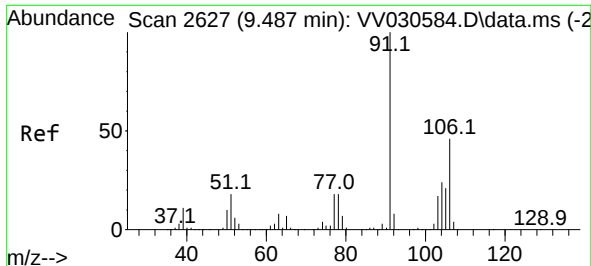
Tgt Ion: 91 Resp: 16524
Ion Ratio Lower Upper
91 100
106 29.4 21.8 40.4



#53
m,p-Xylene
Concen: 1.955 ug/L
RT: 9.085 min Scan# 2502
Delta R.T. 0.007 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion: 106 Resp: 6595
Ion Ratio Lower Upper
106 100
91 202.8 144.7 268.7

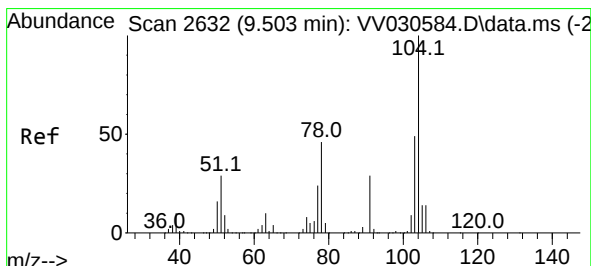
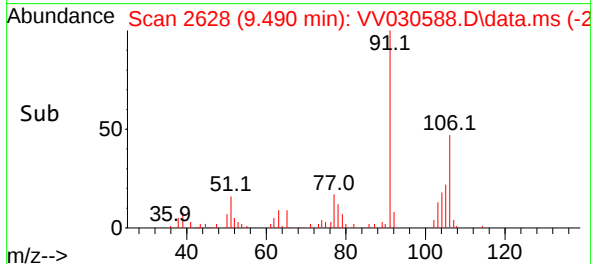
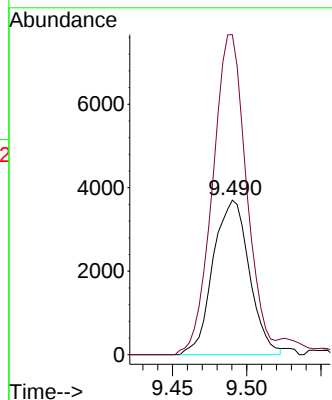
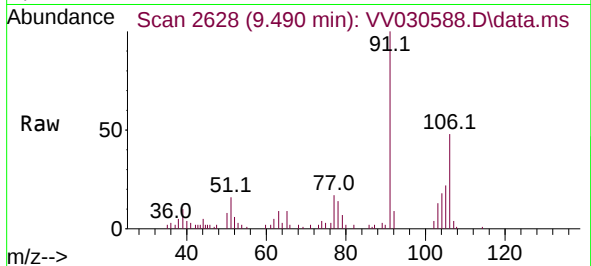




#54
o-Xylene
Concen: 1.906 ug/L
RT: 9.490 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

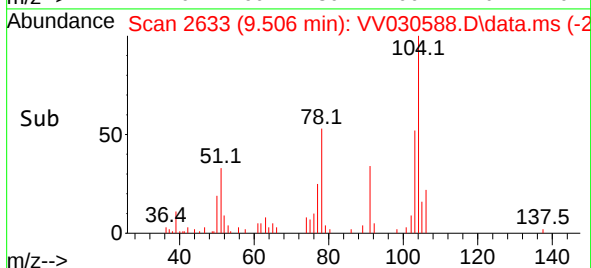
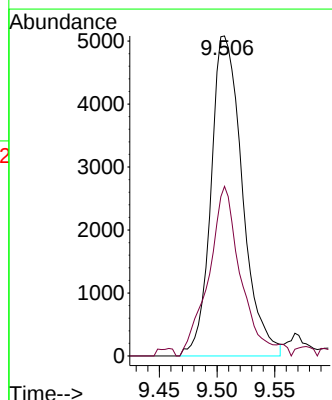
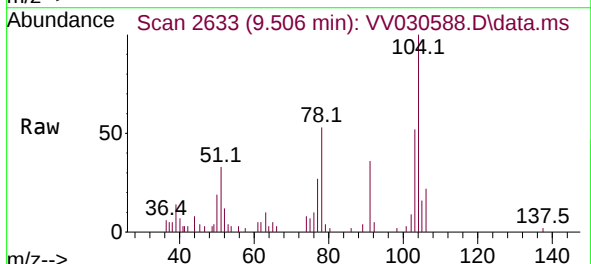
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

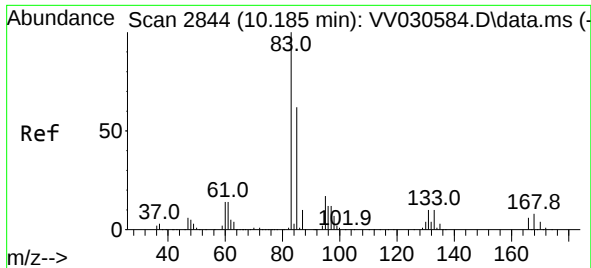
Tgt Ion:106 Resp: 6292
Ion Ratio Lower Upper
106 100
91 207.0 152.6 283.4



#55
Styrene
Concen: 1.657 ug/L
RT: 9.506 min Scan# 2633
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion:104 Resp: 9606
Ion Ratio Lower Upper
104 100
78 53.0 32.3 59.9

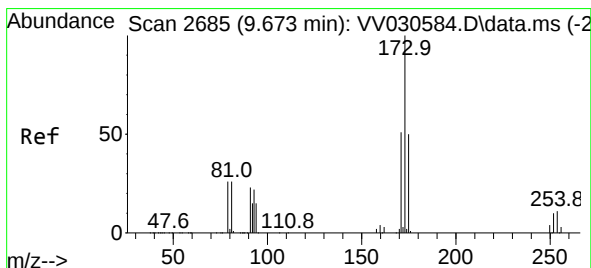
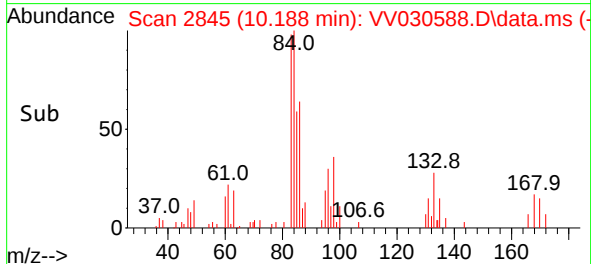
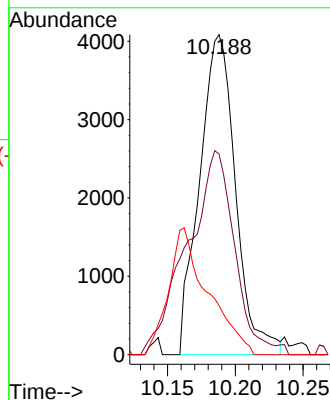
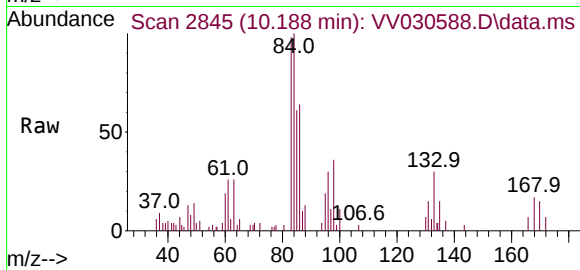




#57
1,1,2-Tetrachloroethane
Concen: 2.264 ug/L
RT: 10.188 min Scan# 2844
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

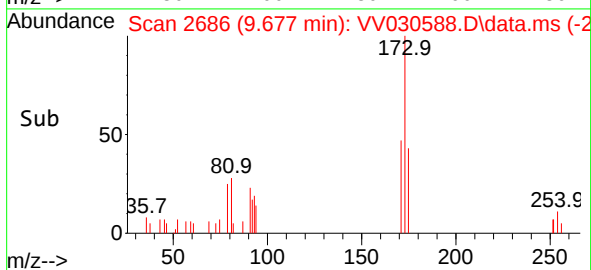
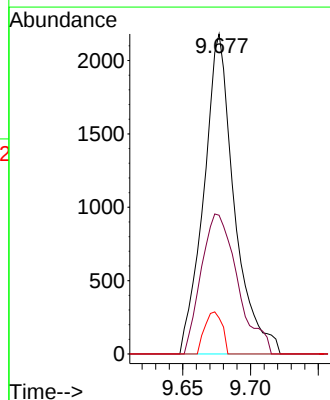
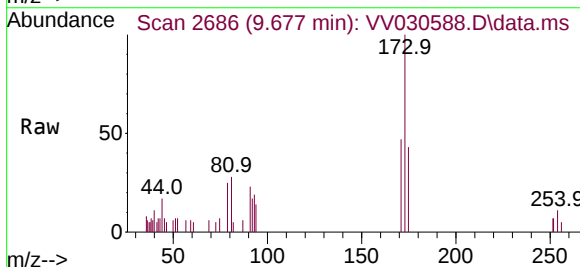
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-03

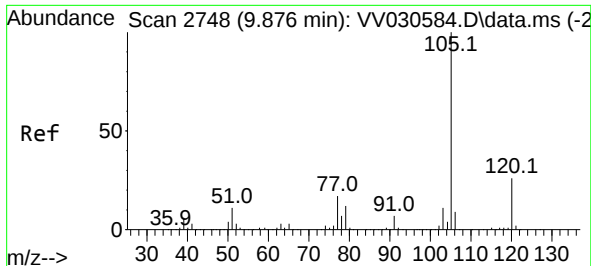
Tgt Ion: 83 Resp: 7555
Ion Ratio Lower Upper
83 100
85 62.7 45.1 83.7
131 15.3 8.0 12.0#



#59
Bromoform
Concen: 2.216 ug/L
RT: 9.677 min Scan# 2686
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion: 173 Resp: 3408
Ion Ratio Lower Upper
173 100
175 52.3 38.8 58.2
254 7.5 8.2 12.4#

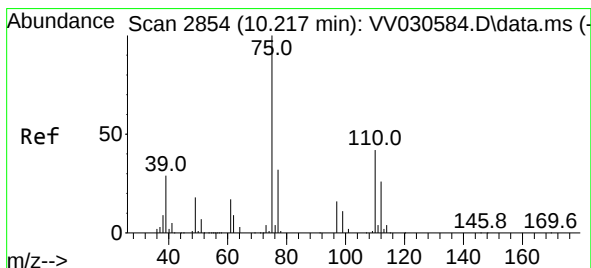
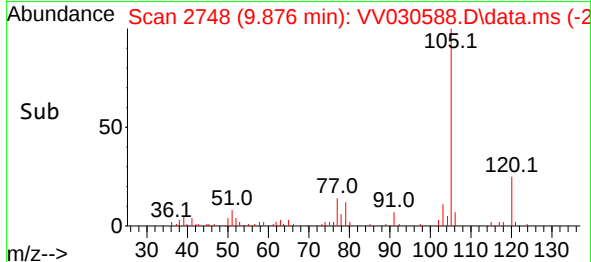
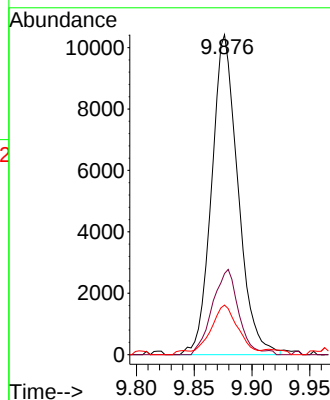
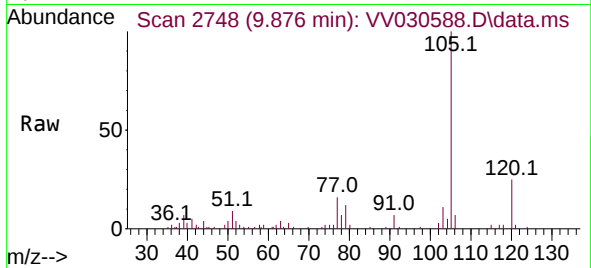




#60
Isopropylbenzene
Concen: 2.157 ug/L
RT: 9.876 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

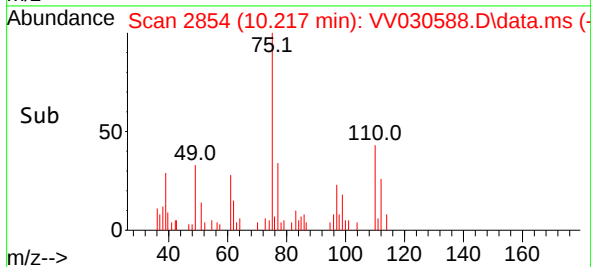
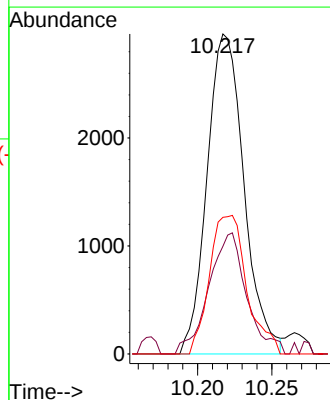
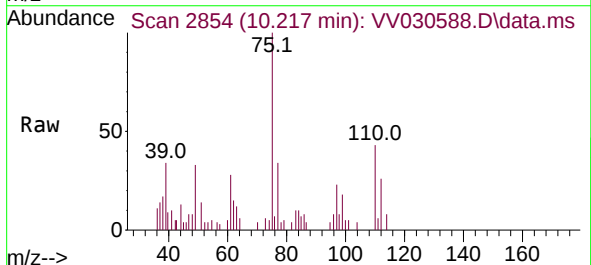
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

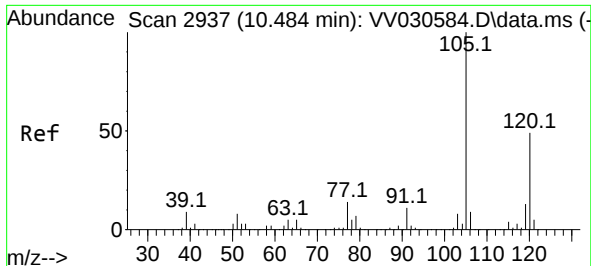
Tgt Ion:105 Resp: 16521
Ion Ratio Lower Upper
105 100
120 26.3 20.9 31.3
77 15.4 13.0 19.6



#61
1,2,3-Trichloropropane
Concen: 2.330 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. 0.000 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion: 75 Resp: 5125
Ion Ratio Lower Upper
75 100
77 37.3 25.7 38.5
110 43.7 32.8 49.2





#62

1,3,5-Trimethylbenzene

Concen: 1.965 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

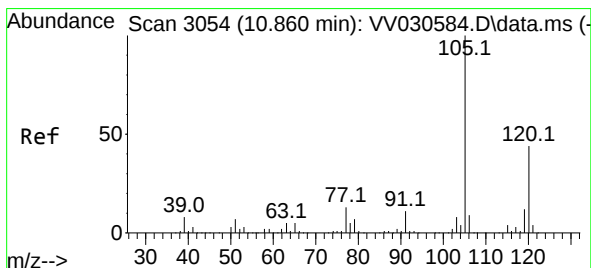
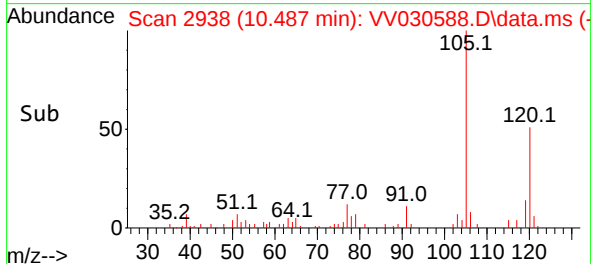
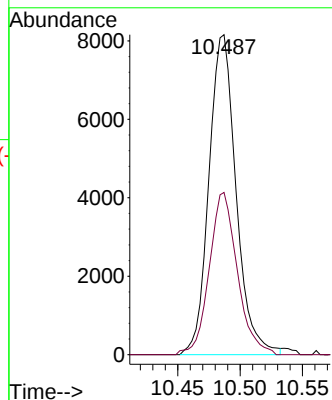
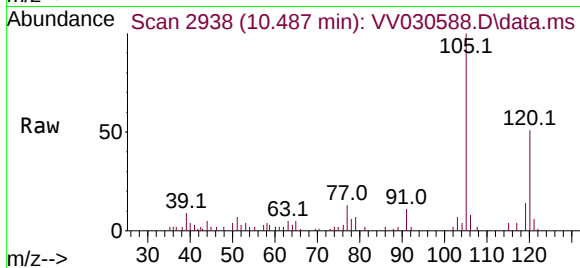
MDL-MED-SOIL-QT2-2023-03

Tgt Ion:105 Resp: 12393

Ion Ratio Lower Upper

105 100

120 52.3 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 2.055 ug/L

RT: 10.860 min Scan# 3054

Delta R.T. 0.000 min

Lab File: VV030588.D

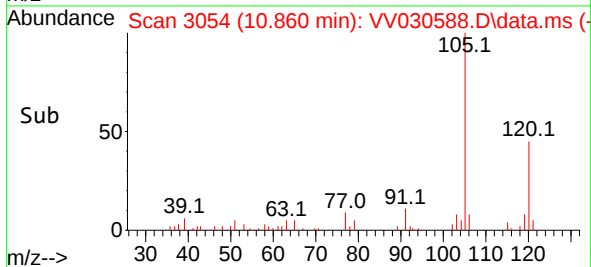
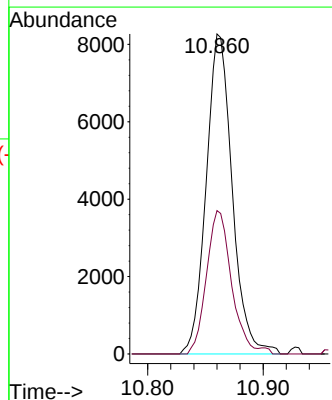
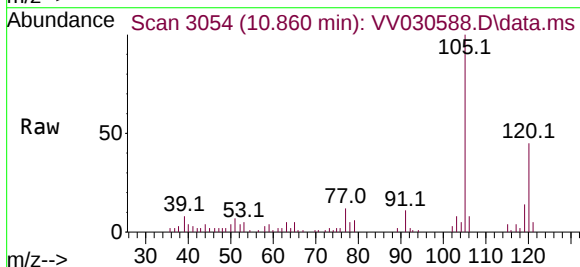
Acq: 17 Apr 2023 14:59

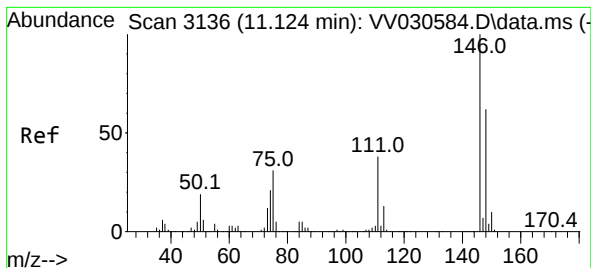
Tgt Ion:105 Resp: 12938

Ion Ratio Lower Upper

105 100

120 42.6 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 2.351 ug/L

RT: 11.130 min Scan# 3137

Delta R.T. 0.007 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

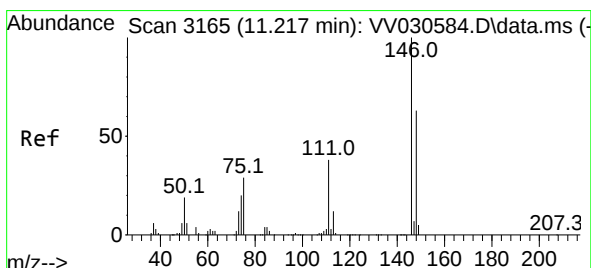
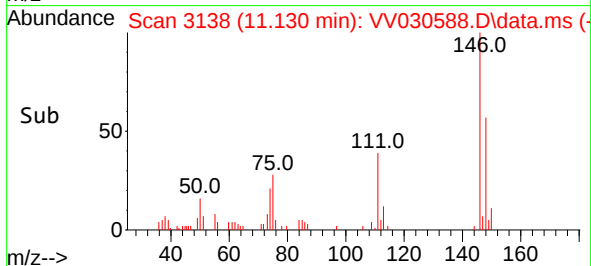
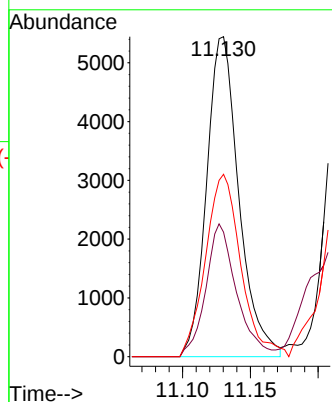
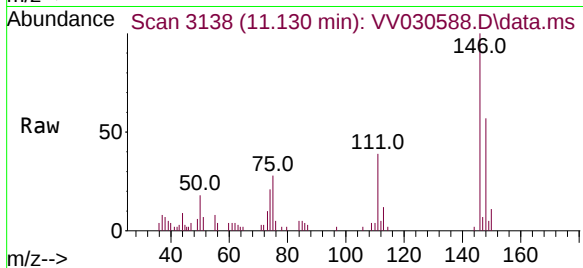
Tgt Ion:146 Resp: 9017

Ion Ratio Lower Upper

146 100

111 38.9 27.0 50.2

148 57.0 44.8 83.2



#65

1,4-Dichlorobenzene

Concen: 2.284 ug/L

RT: 11.220 min Scan# 3166

Delta R.T. 0.003 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

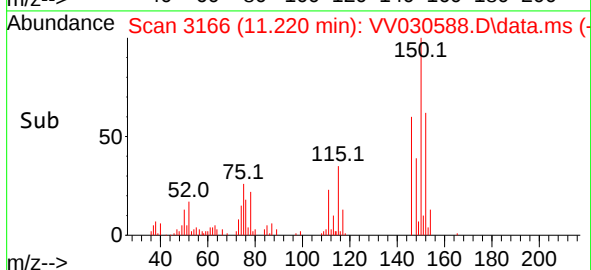
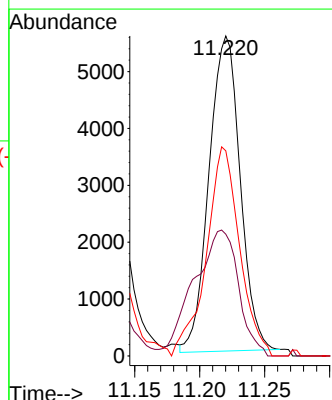
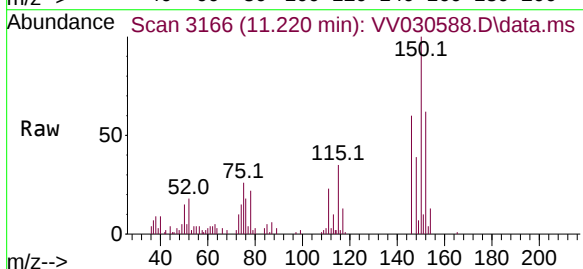
Tgt Ion:146 Resp: 9236

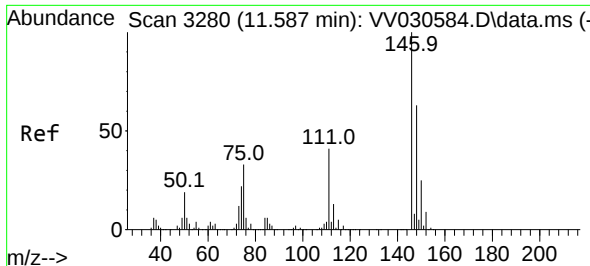
Ion Ratio Lower Upper

146 100

111 38.1 26.5 49.1

148 64.1 44.7 83.1

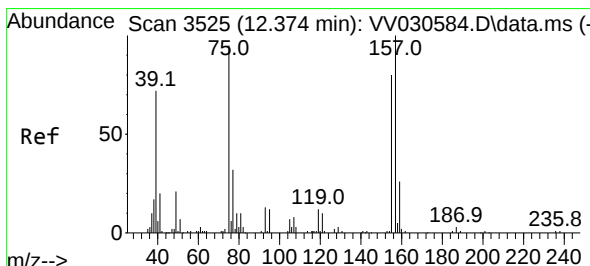
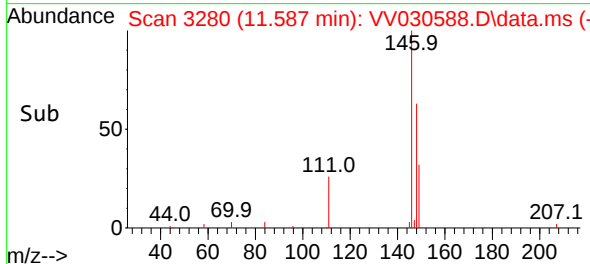
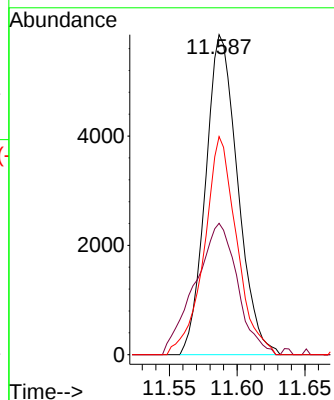
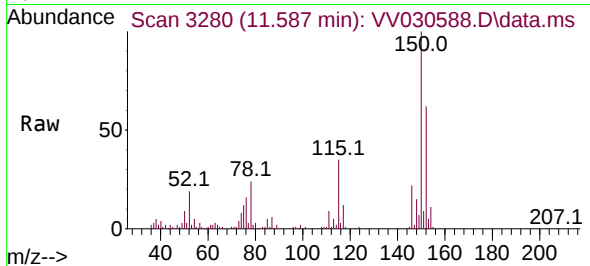




#67
1,2-Dichlorobenzene
Concen: 2.497 ug/L
RT: 11.587 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

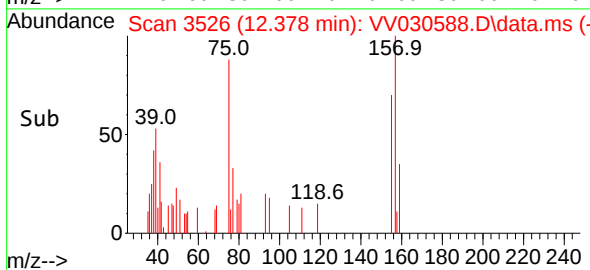
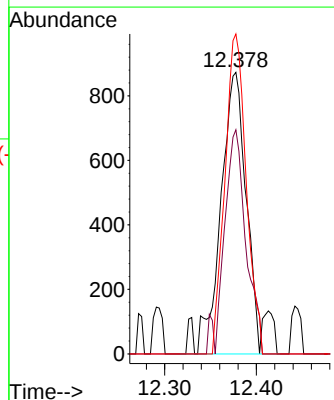
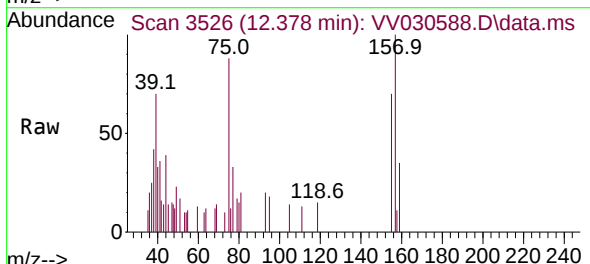
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-03

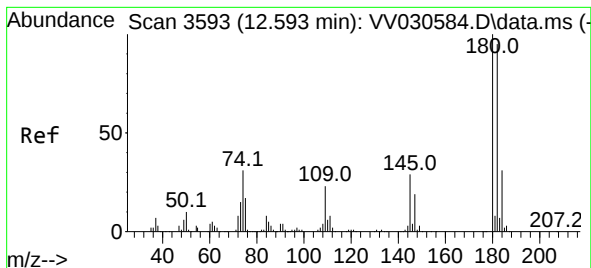
Tgt Ion:146 Resp: 9658
Ion Ratio Lower Upper
146 100
111 41.1 32.0 48.0
148 68.1 50.6 76.0



#68
1,2-Dibromo-3-chloropropane
Concen: 2.785 ug/L
RT: 12.378 min Scan# 3526
Delta R.T. 0.003 min
Lab File: VV030588.D
Acq: 17 Apr 2023 14:59

Tgt Ion: 75 Resp: 1815
Ion Ratio Lower Upper
75 100
155 79.6 65.0 97.6
157 125.9 84.4 126.6





#69

1,3,5-Trichlorobenzene

Concen: 2.167 ug/L

RT: 12.596 min Scan# 3594

Delta R.T. 0.003 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion:180 Resp: 6278

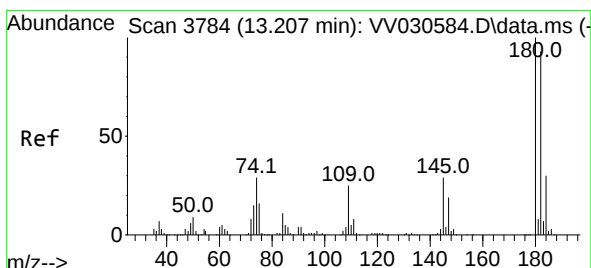
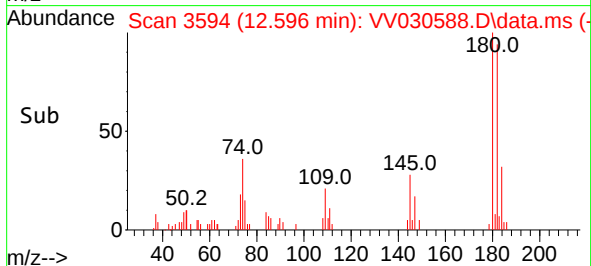
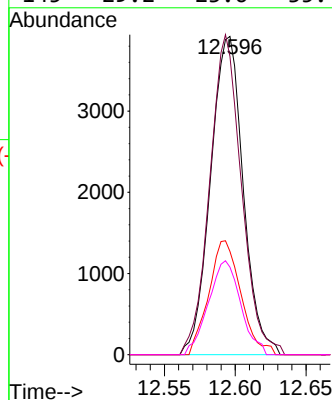
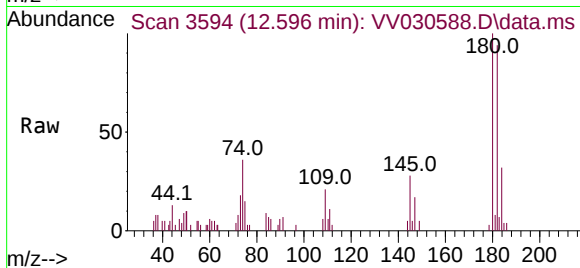
Ion Ratio Lower Upper

180 100

182 97.7 76.4 114.6

184 34.7 24.1 36.1

145 29.2 23.6 35.4



#70

1,2,4-trichlorobenzene

Concen: 2.308 ug/L

RT: 13.207 min Scan# 3784

Delta R.T. 0.000 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

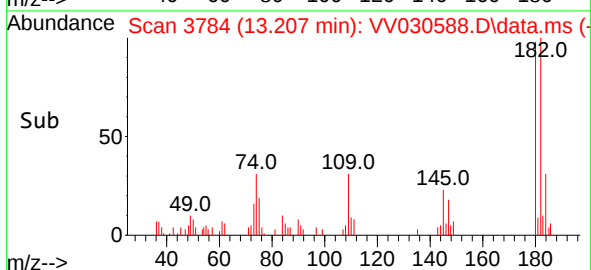
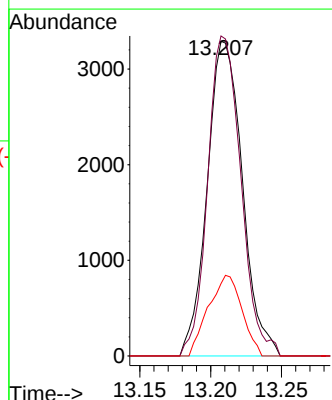
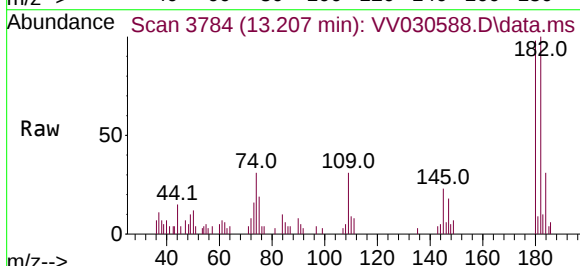
Tgt Ion:180 Resp: 5677

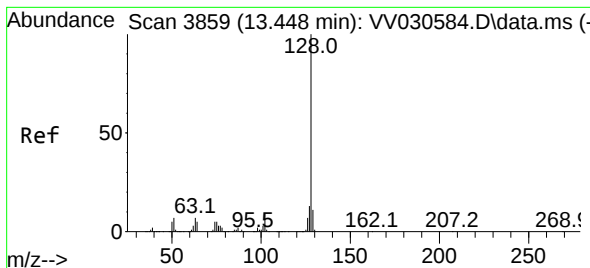
Ion Ratio Lower Upper

180 100

182 94.9 75.9 113.9

145 24.4 23.4 35.2





#71

Naphthalene

Concen: 2.194 ug/L

RT: 13.448 min Scan# 3859

Delta R.T. 0.000 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

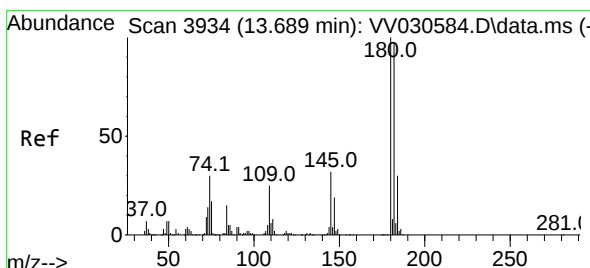
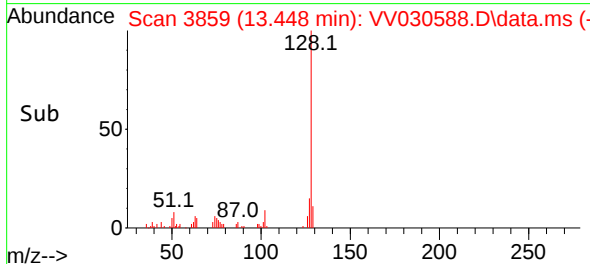
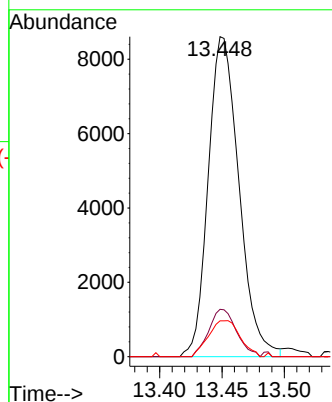
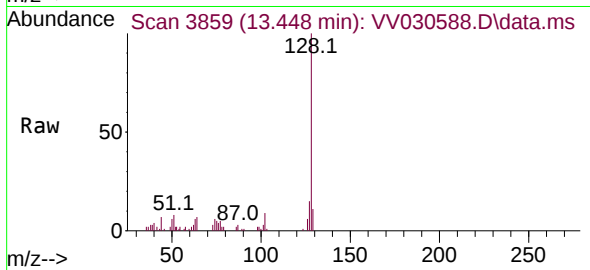
Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-03

Tgt Ion:	128	Resp:	14763
Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.7	16.1
129	11.6	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 2.237 ug/L

RT: 13.690 min Scan# 3934

Delta R.T. 0.000 min

Lab File: VV030588.D

Acq: 17 Apr 2023 14:59

Tgt Ion:	180	Resp:	5456
Ion	Ratio	Lower	Upper
180	100		
182	87.3	76.2	114.4
145	29.2	25.1	37.7

