

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW042123\
 Data File : VW030778.D
 Acq On : 21 Apr 2023 21:04
 Operator : SY/MD
 Sample : 02215-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

Quant Time: Apr 22 00:49:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM041723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Apr 22 00:43:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.545	114	229763	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.792	117	221481	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.194	152	112525	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.281	65	67982	40.361	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.720%
7) Chloroethane-d5	1.539	69	61228	43.379	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.760%
11) 1,1-Dichloroethene-d2	2.066	65	34088	42.676	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.360%
21) 2-Butanone-d5	3.805	46	88845	96.034	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	96.030%
24) Chloroform-d	4.262	84	132676	43.466	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.940%
26) 1,2-Dichloroethane-d4	4.953	65	95517	48.672	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.340%
32) Benzene-d6	4.969	84	242787	46.365	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.720%
36) 1,2-Dichloropropane-d6	5.998	67	74480	45.790	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.580%
41) Toluene-d8	7.252	98	216135	43.961	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.920%
43) trans-1,3-Dichloroprop...	7.561	79	35668	43.507	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.020%
47) 2-Hexanone-d5	8.034	63	57493	89.725	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	89.720%
56) 1,1,2,2-Tetrachloroeth...	10.159	84	107095	45.375	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	90.740%
66) 1,2-Dichlorobenzene-d4	11.567	152	87778	49.078	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.160%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.108	85	4626	2.342	ug/L	99
3) Chloromethane	1.220	50	7088	2.735	ug/L	95
5) Vinyl chloride	1.288	62	5555	2.659	ug/L #	76
6) Bromomethane	1.494	94	2631	3.176	ug/L	98
8) Chloroethane	1.555	64	3128	2.183	ug/L	87
9) Trichlorofluoromethane	1.719	101	8757	2.586	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.072	101	5246	2.948	ug/L	87
12) 1,1-Dichloroethene	2.076	96	4570	2.841	ug/L #	1
13) Acetone	2.130	43	5427	3.791	ug/L	77
14) Carbon disulfide	2.249	76	9786	2.154	ug/L #	95
15) Methyl Acetate	2.391	43	4029	2.109	ug/L #	83
16) Methylene chloride	2.455	84	5283	2.870	ug/L	87
17) trans-1,2-Dichloroethene	2.706	96	3888	2.394	ug/L	94
18) Methyl tert-butyl Ether	2.715	73	12747	2.450	ug/L	96
19) 1,1-Dichloroethane	3.124	63	8408	2.539	ug/L	89
20) cis-1,2-Dichloroethene	3.825	96	4020	2.275	ug/L	92
23) Bromochloromethane	4.162	128	2436	2.469	ug/L	86
27) 1,2-Dichloroethane	5.066	62	7054	2.431	ug/L #	94
29) Cyclohexane	4.600	56	5942	2.236	ug/L #	58

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

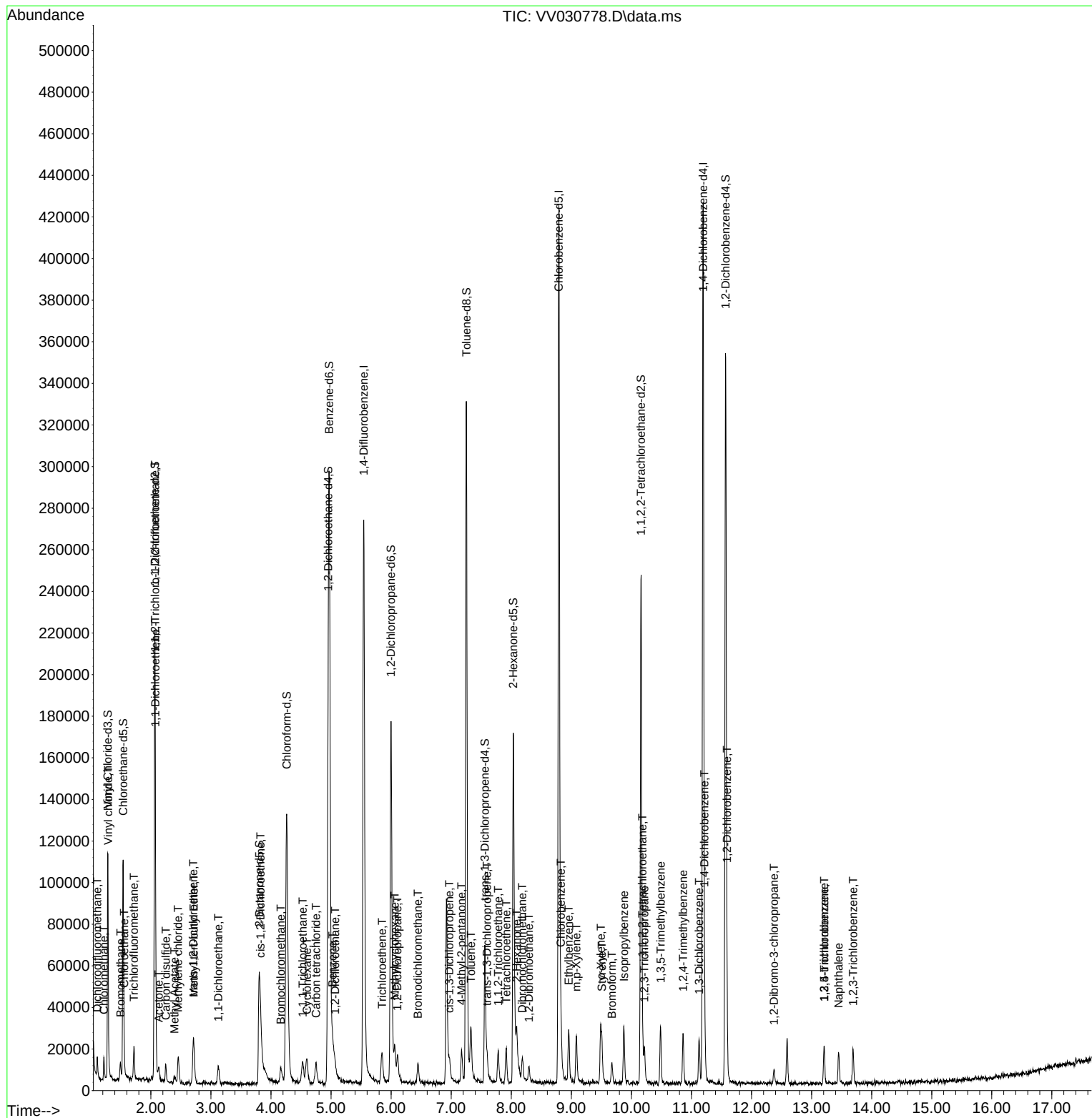
30) 1,1,1-Trichloroethane	4.529	97	7778	2.499	ug/L #	92
31) Carbon tetrachloride	4.751	117	6584	2.366	ug/L	94
33) Benzene	5.024	78	17120	2.545	ug/L	100
34) Trichloroethene	5.850	95	4693	2.683	ug/L	97
35) Methylcyclohexane	6.059	83	5947	2.169	ug/L	95
37) 1,2-Dichloropropane	6.104	63	3544	1.958	ug/L	98
38) Bromodichloromethane	6.445	83	6278	2.469	ug/L #	95
39) cis-1,3-Dichloropropene	6.969	75	4014	1.477	ug/L	91
40) 4-Methyl-2-pentanone	7.172	43	10864	4.296	ug/L	98
42) Toluene	7.329	91	16946	2.352	ug/L	99
44) trans-1,3-Dichloropropene	7.596	75	7064	2.646	ug/L	88
45) 1,1,2-Trichloroethane	7.783	97	4804	2.647	ug/L	93
46) Tetrachloroethene	7.918	164	3649	2.383	ug/L	90
48) 2-Hexanone	8.091	43	14222	6.816	ug/L #	88
49) Dibromochloromethane	8.185	129	4912	2.453	ug/L	96
50) 1,2-Dibromoethane	8.294	107	4396	2.337	ug/L	95
51) Chlorobenzene	8.825	112	12949	2.714	ug/L	94
52) Ethylbenzene	8.956	91	17356	2.176	ug/L	99
53) m,p-Xylene	9.085	106	6449	2.141	ug/L	99
54) o-Xylene	9.490	106	6370	2.162	ug/L	94
55) Styrene	9.509	104	9758	1.885	ug/L	89
57) 1,1,2,2-Tetrachloroethane	10.185	83	7578	2.543	ug/L #	98
59) Bromoform	9.673	173	4191	2.975	ug/L	100
60) Isopropylbenzene	9.876	105	16534	2.356	ug/L	96
61) 1,2,3-Trichloropropane	10.217	75	5926	2.940	ug/L	99
62) 1,3,5-Trimethylbenzene	10.487	105	13415	2.322	ug/L	97
63) 1,2,4-Trimethylbenzene	10.863	105	12280	2.129	ug/L	95
64) 1,3-Dichlorobenzene	11.127	146	8752	2.491	ug/L	98
65) 1,4-Dichlorobenzene	11.217	146	11096	2.995	ug/L	91
67) 1,2-Dichlorobenzene	11.590	146	11106	3.133	ug/L	94
68) 1,2-Dibromo-3-chloropr...	12.374	75	1783	2.986	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.210	180	5112	1.926	ug/L	98
70) 1,2,4-trichlorobenzene	13.210	180	5112	2.269	ug/L	98
71) Naphthalene	13.451	128	11613	1.884	ug/L	99
72) 1,2,3-Trichlorobenzene	13.693	180	4981	2.229	ug/L	95

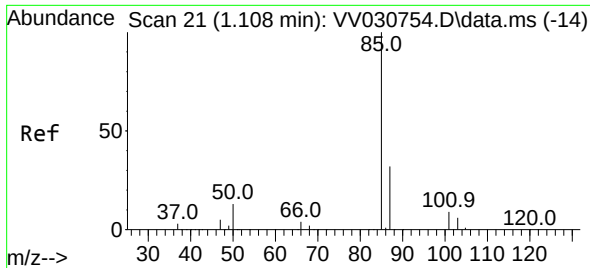
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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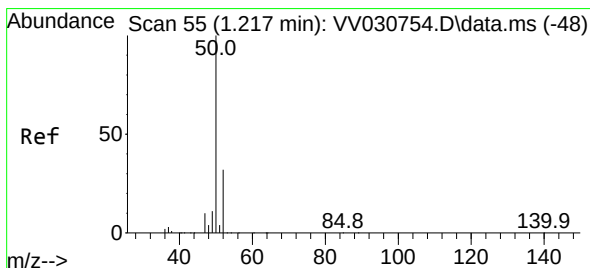
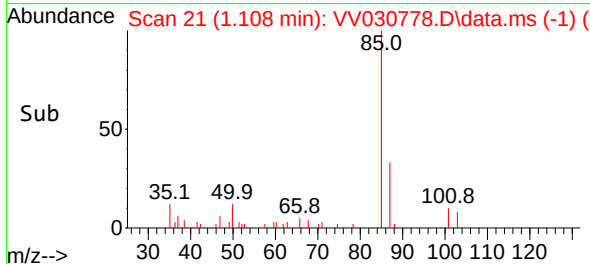
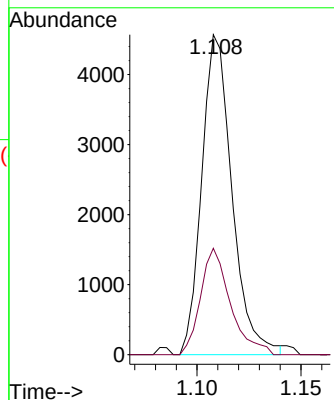
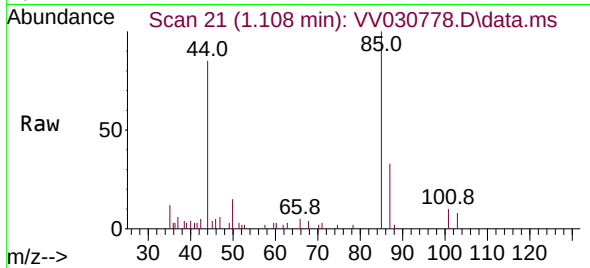




#2
 Dichlorodifluoromethane
 Concen: 2.342 ug/L
 RT: 1.108 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV030778.D
 Acq: 21 Apr 2023 21:04

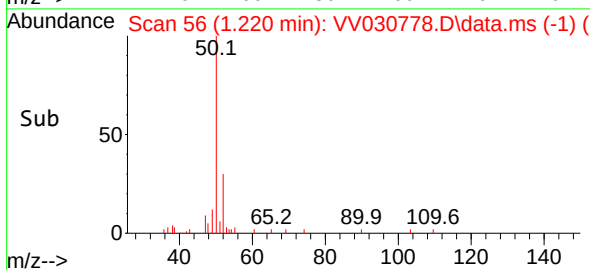
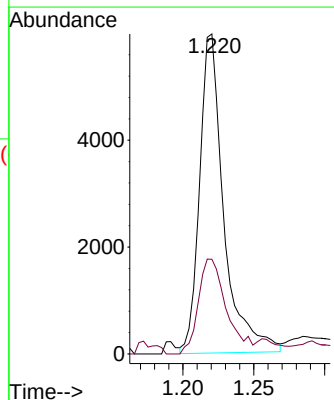
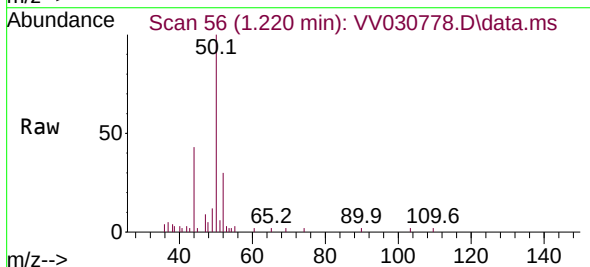
Instrument :
 MSVOA_V
 ClientSampleId :
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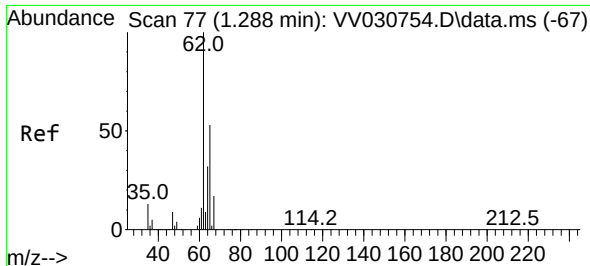
Tgt Ion: 85 Resp: 4626
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.6 38.4



#3
 Chloromethane
 Concen: 2.735 ug/L
 RT: 1.220 min Scan# 56
 Delta R.T. 0.003 min
 Lab File: VV030778.D
 Acq: 21 Apr 2023 21:04

Tgt Ion: 50 Resp: 7088
 Ion Ratio Lower Upper
 50 100
 52 29.6 22.5 41.9

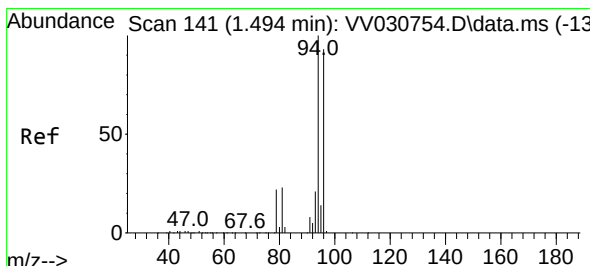
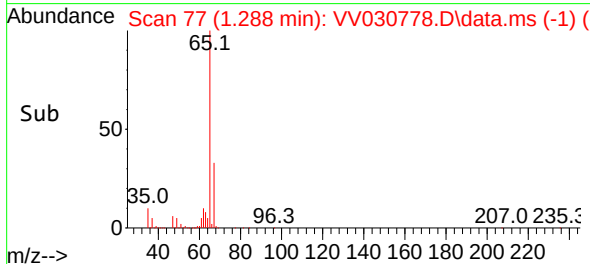
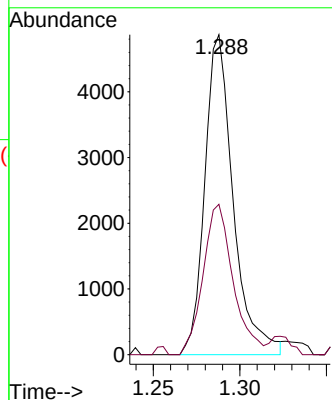
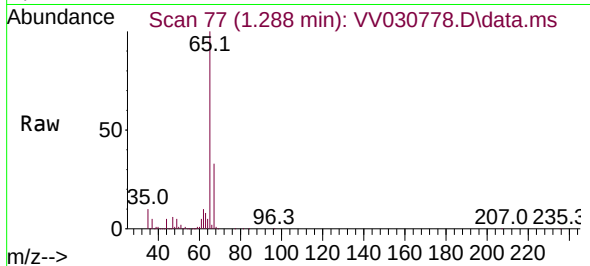




#5
 Vinyl chloride
 Concen: 2.659 ug/L
 RT: 1.288 min Scan# 77
 Delta R.T. -0.000 min
 Lab File: VV030778.D
 Acq: 21 Apr 2023 21:04

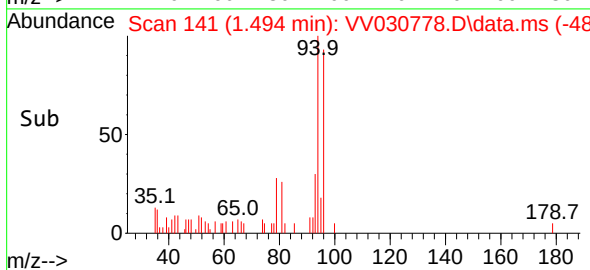
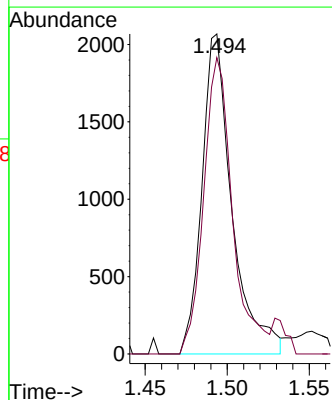
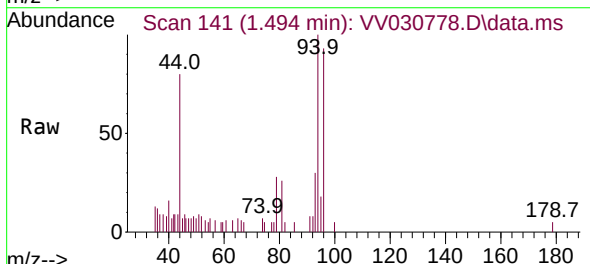
Instrument :
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 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

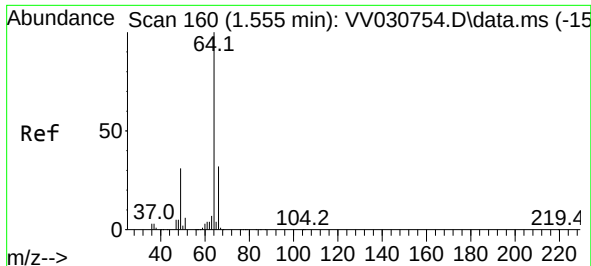
Tgt Ion: 62 Resp: 5555
 Ion Ratio Lower Upper
 62 100
 64 47.0 23.4 43.4#



#6
 Bromomethane
 Concen: 3.176 ug/L
 RT: 1.494 min Scan# 141
 Delta R.T. -0.000 min
 Lab File: VV030778.D
 Acq: 21 Apr 2023 21:04

Tgt Ion: 94 Resp: 2631
 Ion Ratio Lower Upper
 94 100
 96 92.6 66.3 123.1

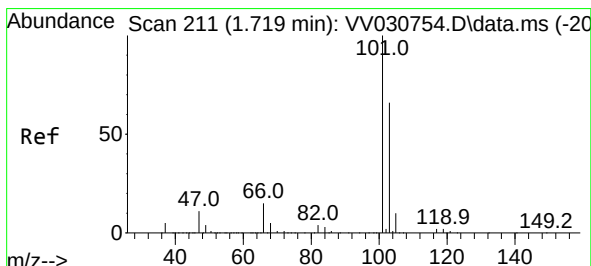
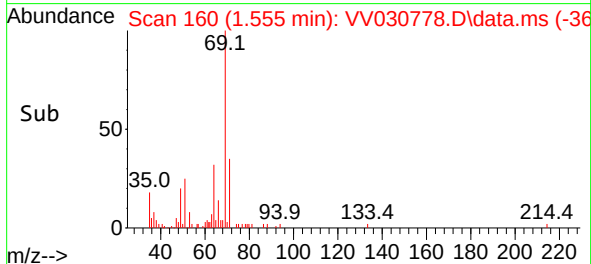
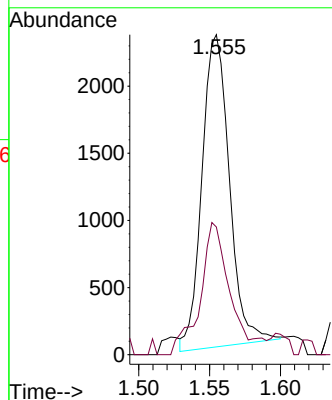
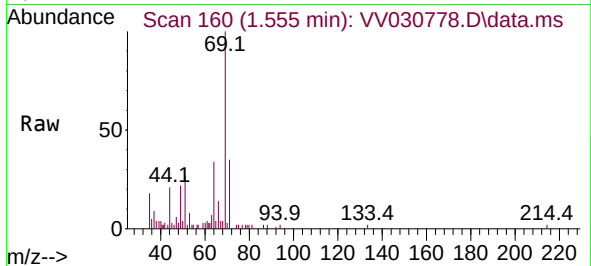




#8
Chloroethane
Concen: 2.183 ug/L
RT: 1.555 min Scan# 160
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

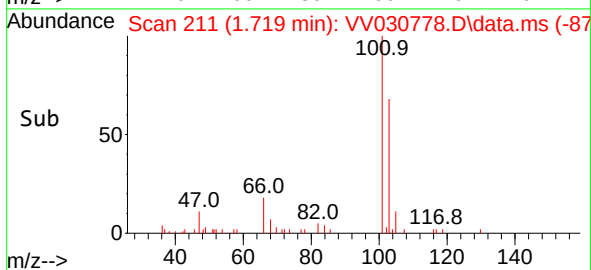
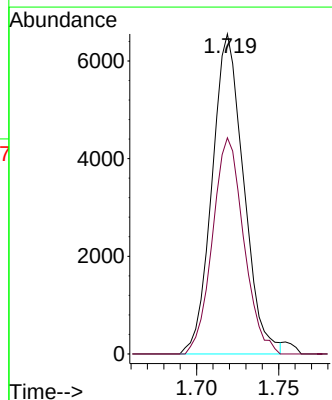
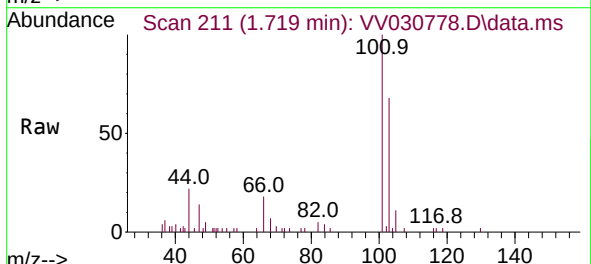
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

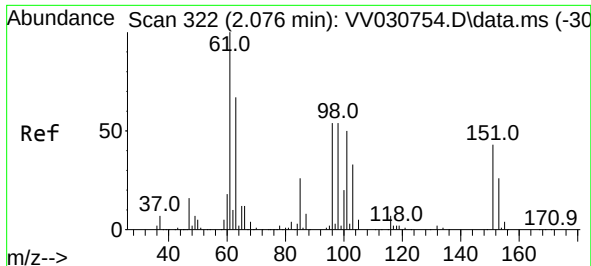
Tgt Ion: 64 Resp: 3128
Ion Ratio Lower Upper
64 100
66 39.9 22.7 42.3



#9
Trichlorofluoromethane
Concen: 2.586 ug/L
RT: 1.719 min Scan# 211
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion: 101 Resp: 8757
Ion Ratio Lower Upper
101 100
103 66.8 51.4 77.0

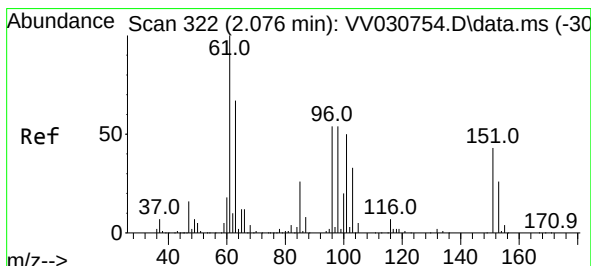
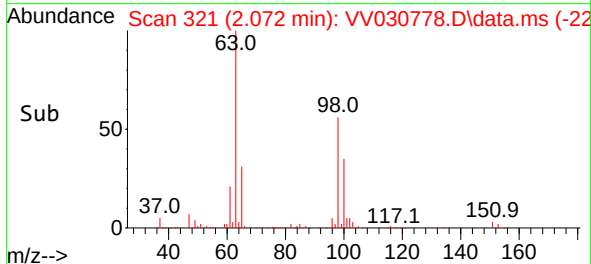
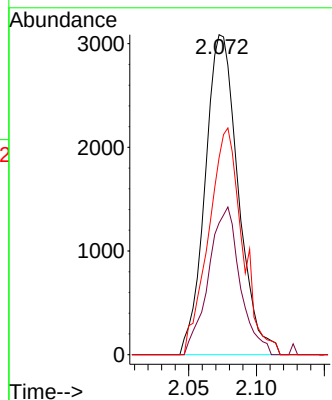
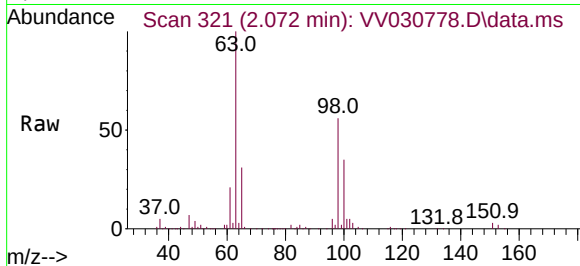




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.948 ug/L
RT: 2.072 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

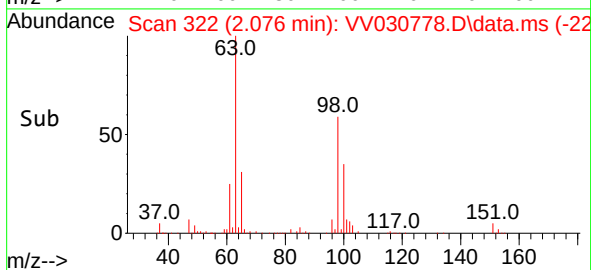
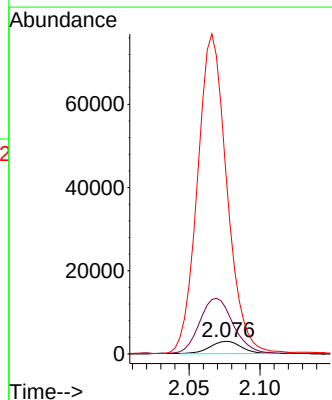
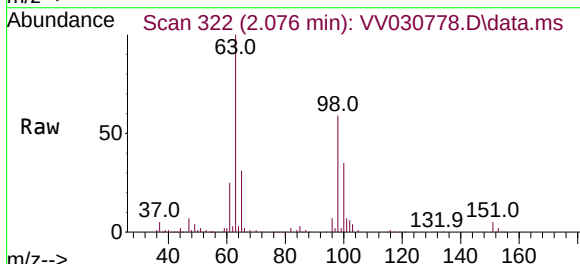
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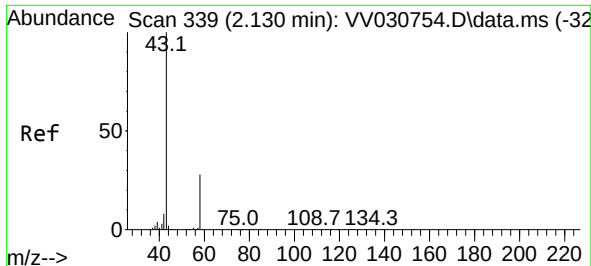
Tgt Ion:101 Resp: 5246
Ion Ratio Lower Upper
101 100
85 44.0 37.5 56.3
151 64.2 63.5 95.3



#12
1,1-Dichloroethene
Concen: 2.841 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion: 96 Resp: 4570
Ion Ratio Lower Upper
96 100
61 367.5 131.9 245.0#
63 1474.7 99.8 185.3#





#13

Acetone

Concen: 3.791 ug/L

RT: 2.130 min Scan# 31

Delta R.T. -0.000 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

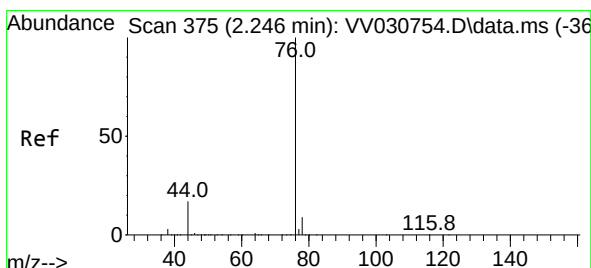
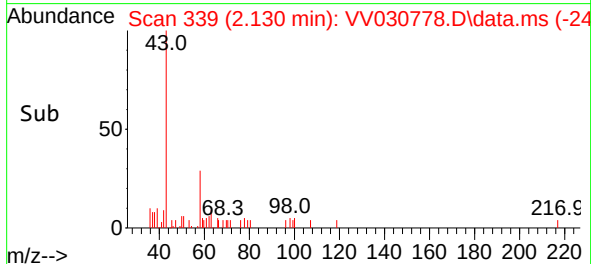
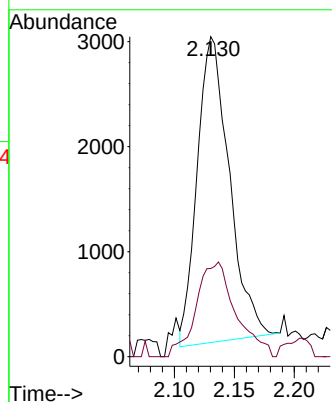
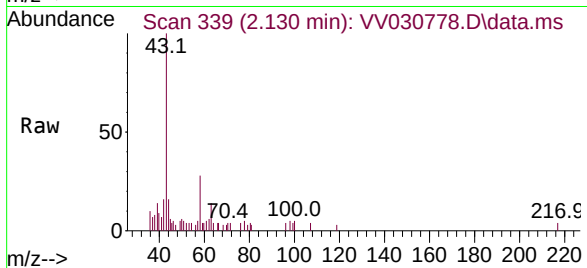
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 43 Resp: 5427

Ion Ratio Lower Upper

43 100

58 38.0 0.0 52.8



#14

Carbon disulfide

Concen: 2.154 ug/L

RT: 2.249 min Scan# 376

Delta R.T. 0.003 min

Lab File: VV030778.D

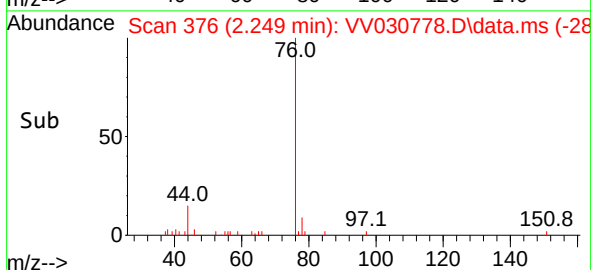
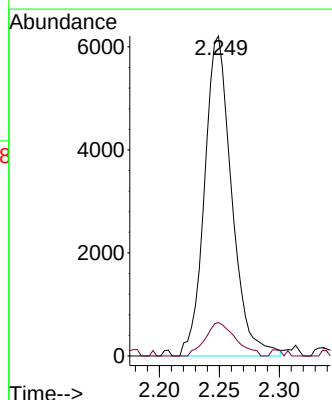
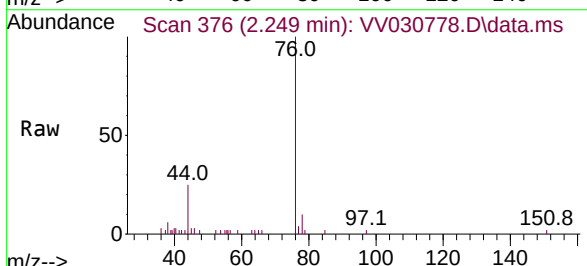
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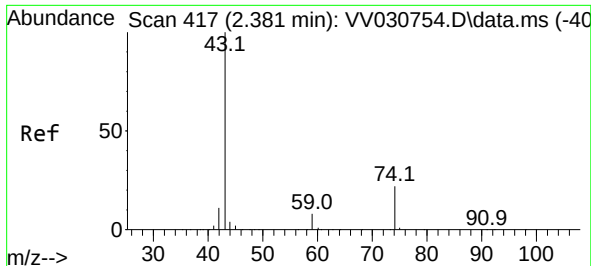
Tgt Ion: 76 Resp: 9786

Ion Ratio Lower Upper

76 100

78 10.5 7.0 10.4#





#15

Methyl Acetate

Concen: 2.109 ug/L

RT: 2.391 min Scan# 417

Delta R.T. 0.009 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

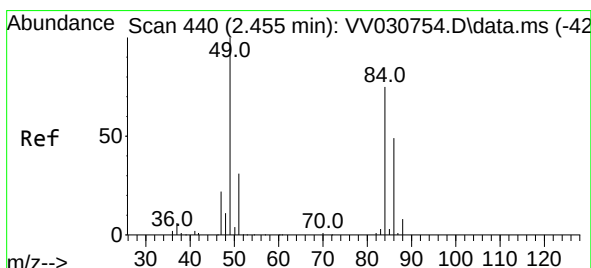
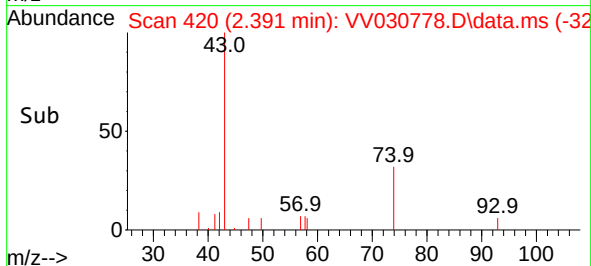
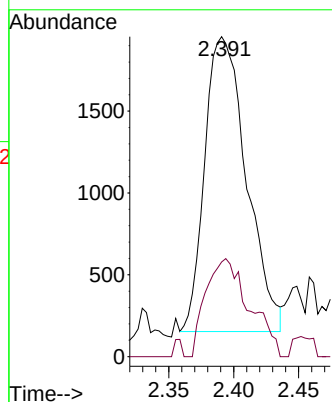
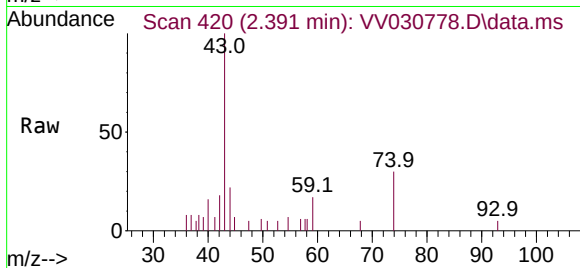
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 43 Resp: 4029

Ion Ratio Lower Upper

43 100

74 30.1 17.7 26.5#



#16

Methylene chloride

Concen: 2.870 ug/L

RT: 2.455 min Scan# 440

Delta R.T. -0.000 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

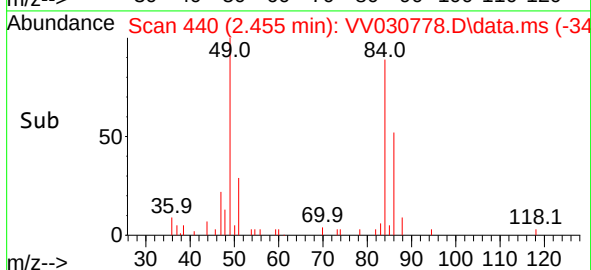
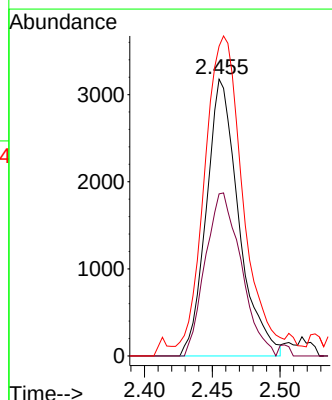
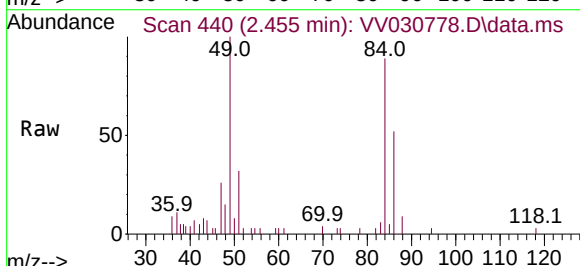
Tgt Ion: 84 Resp: 5283

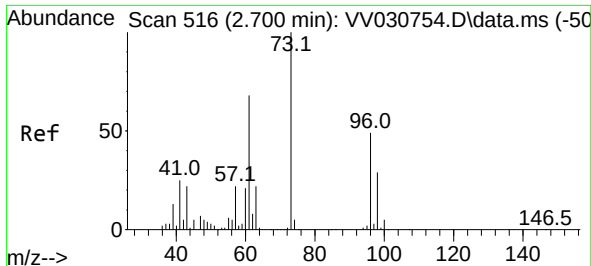
Ion Ratio Lower Upper

84 100

86 58.5 45.4 84.2

49 111.9 90.4 168.0

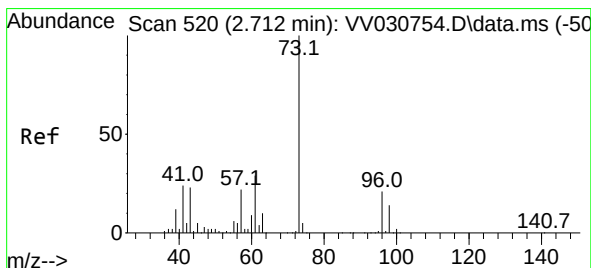
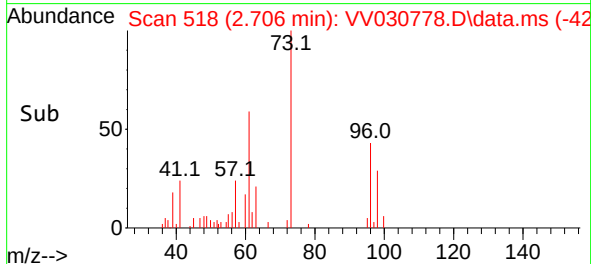
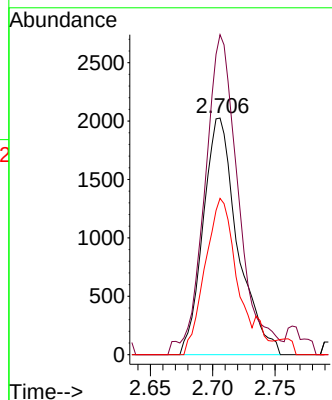
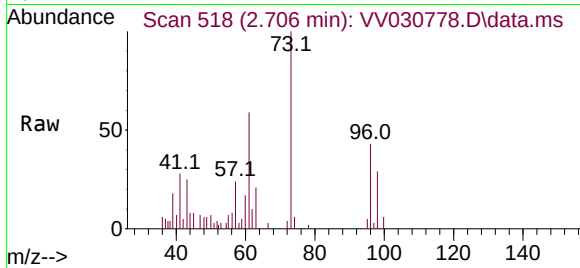




#17
trans-1,2-Dichloroethene
Concen: 2.394 ug/L
RT: 2.706 min Scan# 516
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

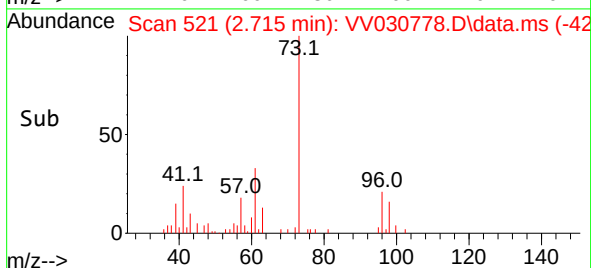
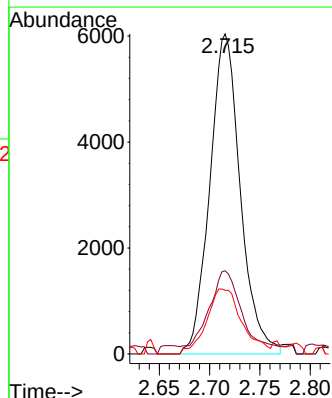
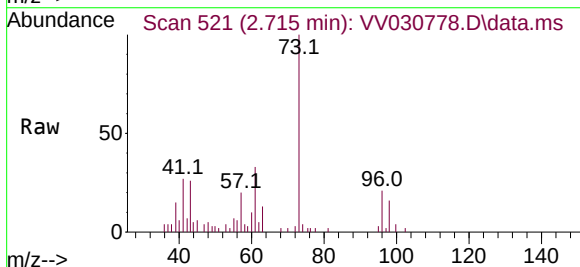
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

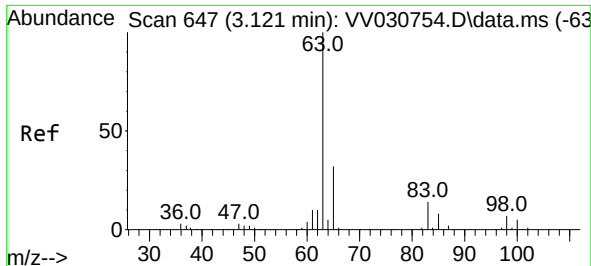
Tgt Ion: 96 Resp: 3888
Ion Ratio Lower Upper
96 100
61 135.2 101.0 187.6
98 66.0 45.4 84.2



#18
Methyl tert-butyl Ether
Concen: 2.450 ug/L
RT: 2.715 min Scan# 521
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion: 73 Resp: 12747
Ion Ratio Lower Upper
73 100
43 23.2 17.6 26.4
57 20.4 18.2 27.2





#19

1,1-Dichloroethane

Concen: 2.539 ug/L

RT: 3.124 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

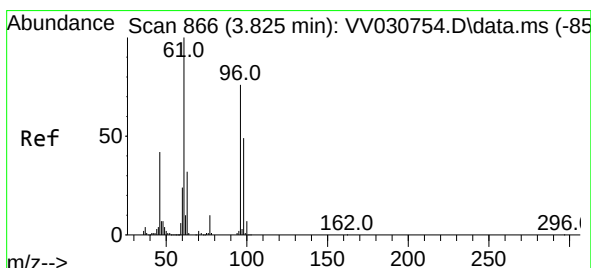
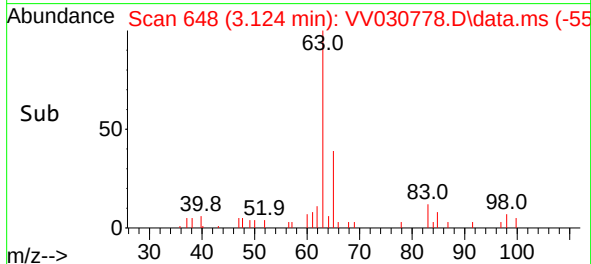
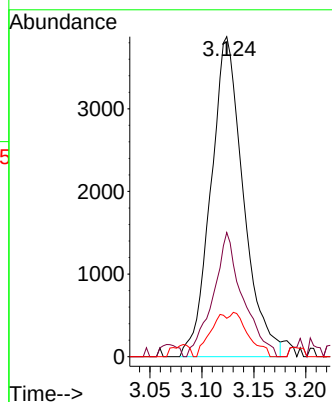
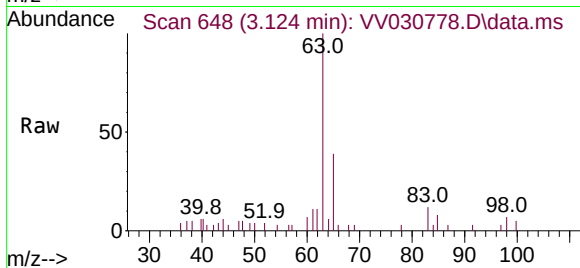
Tgt Ion: 63 Resp: 8408

Ion Ratio Lower Upper

63 100

65 38.8 21.8 40.6

83 12.0 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 2.275 ug/L

RT: 3.825 min Scan# 866

Delta R.T. -0.000 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

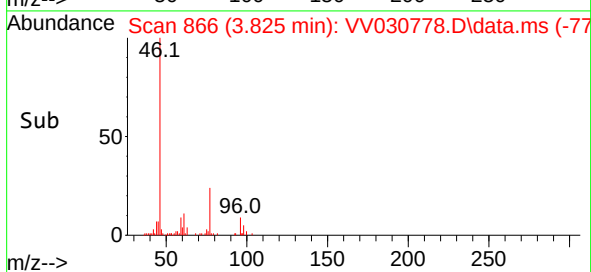
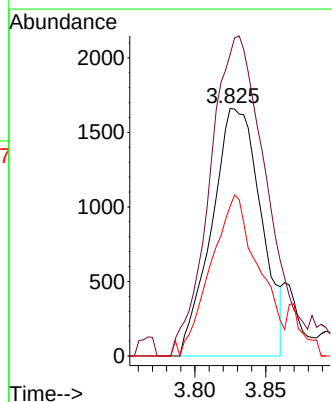
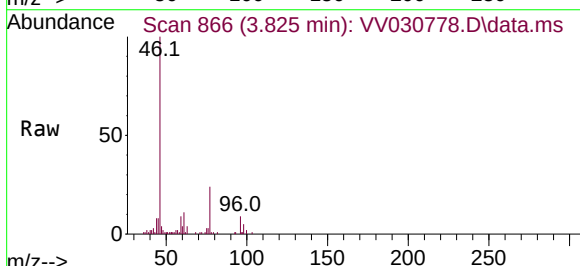
Tgt Ion: 96 Resp: 4020

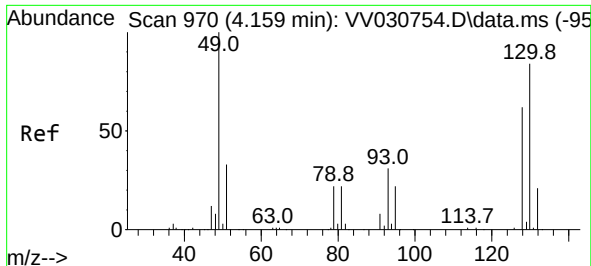
Ion Ratio Lower Upper

96 100

61 121.8 92.3 171.3

98 60.5 45.9 85.3





#23

Bromochloromethane

Concen: 2.469 ug/L

RT: 4.162 min Scan# 91

Delta R.T. 0.003 min

Lab File: VV030778.D

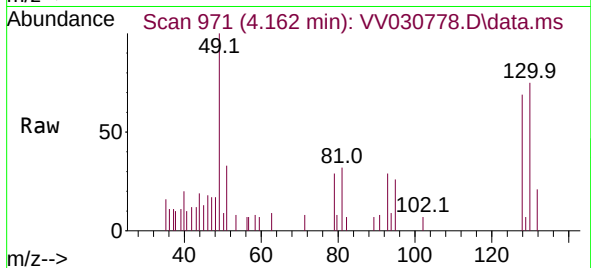
Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04



Tgt Ion:128 Resp: 2436

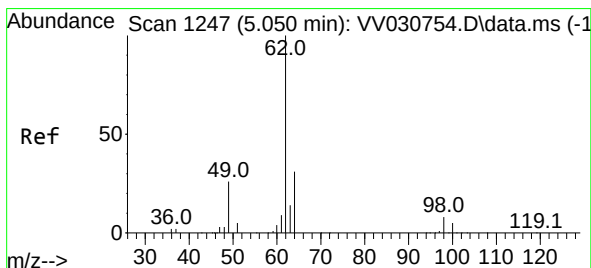
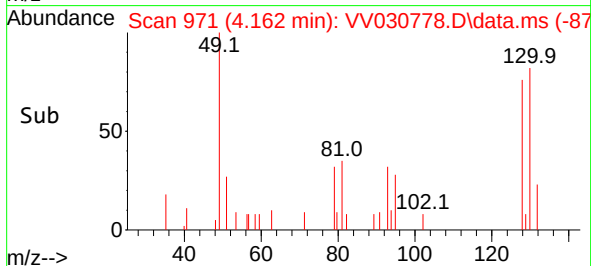
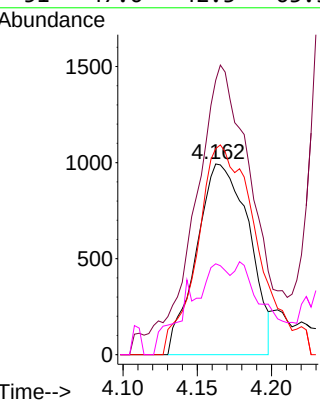
Ion Ratio Lower Upper

128 100

49 143.9 114.7 213.1

130 108.1 89.0 165.2

51 47.6 42.3 63.5



#27

1,2-Dichloroethane

Concen: 2.431 ug/L

RT: 5.066 min Scan# 1252

Delta R.T. 0.016 min

Lab File: VV030778.D

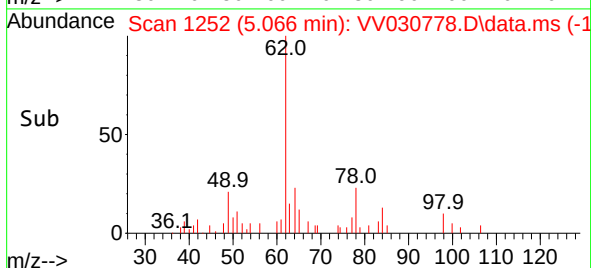
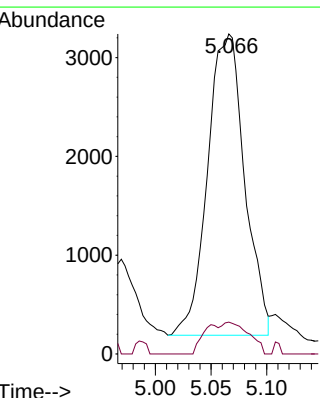
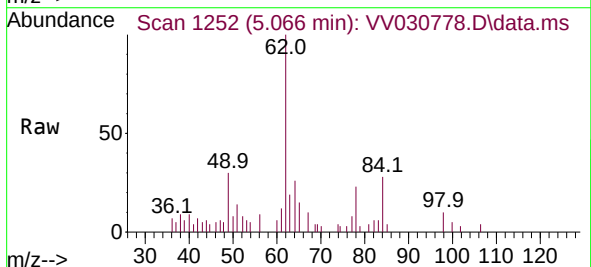
Acq: 21 Apr 2023 21:04

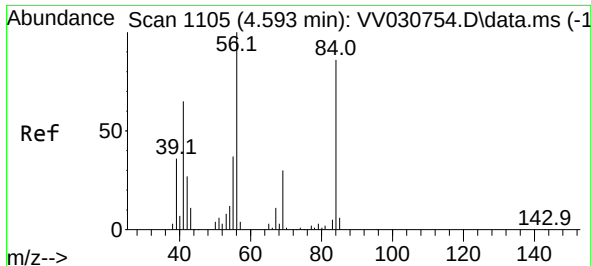
Tgt Ion: 62 Resp: 7054

Ion Ratio Lower Upper

62 100

98 10.0 6.4 9.6#





#29

Cyclohexane

Concen: 2.236 ug/L

RT: 4.600 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

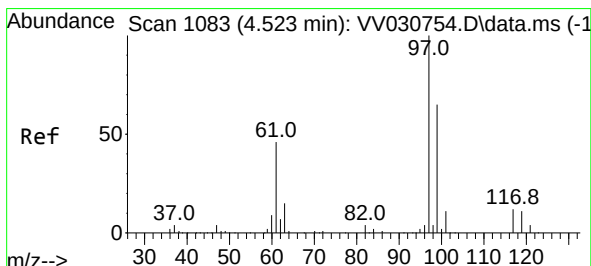
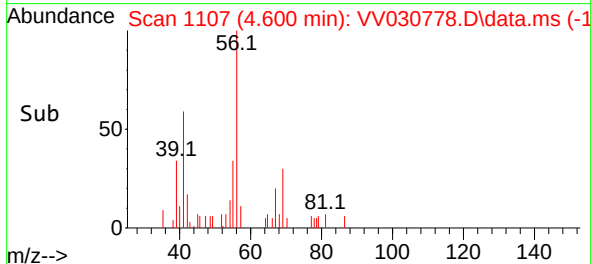
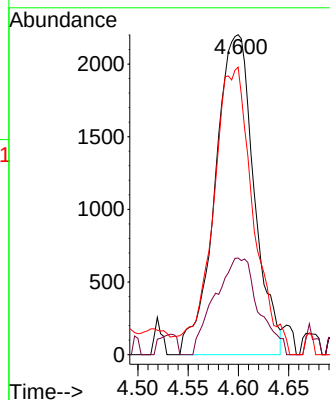
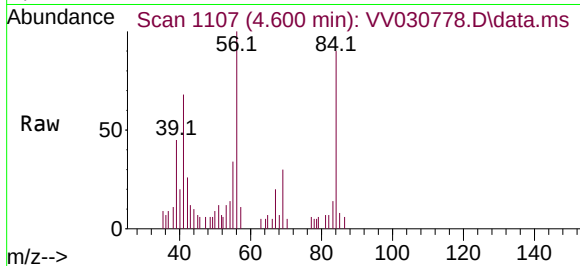
Tgt Ion: 56 Resp: 5942

Ion Ratio Lower Upper

56 100

69 21.0 24.0 36.0#

84 38.9 68.2 102.2#



#30

1,1,1-Trichloroethane

Concen: 2.499 ug/L

RT: 4.529 min Scan# 1085

Delta R.T. 0.006 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

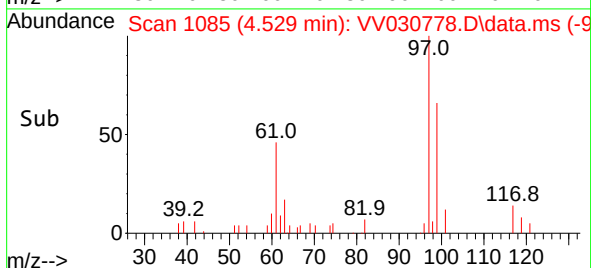
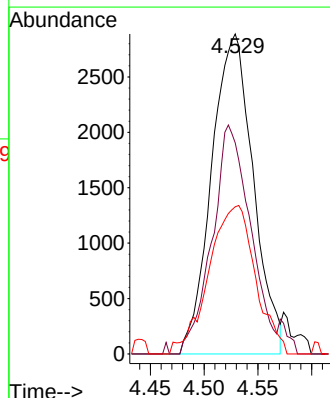
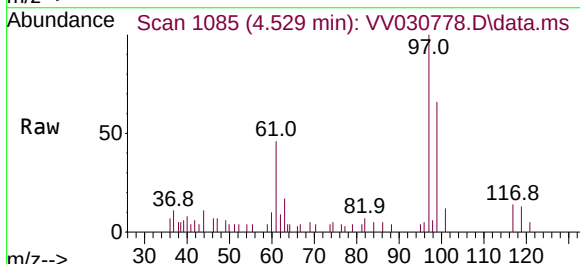
Tgt Ion: 97 Resp: 7778

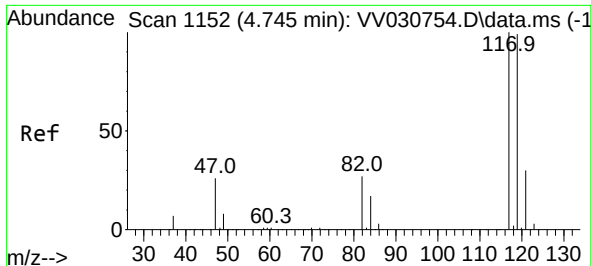
Ion Ratio Lower Upper

97 100

99 65.6 51.4 77.0

61 35.8 37.0 55.6#

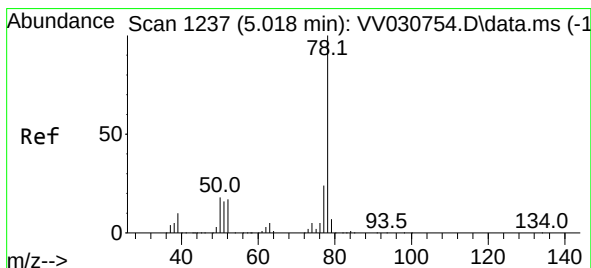
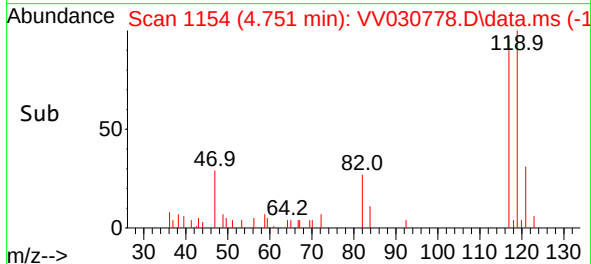
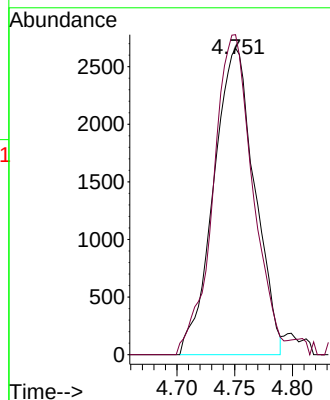
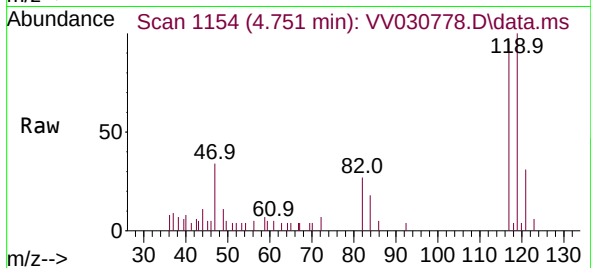




#31
Carbon tetrachloride
Concen: 2.366 ug/L
RT: 4.751 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

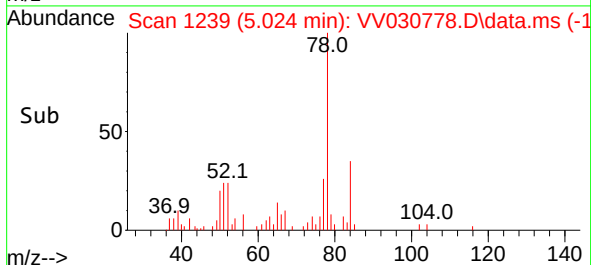
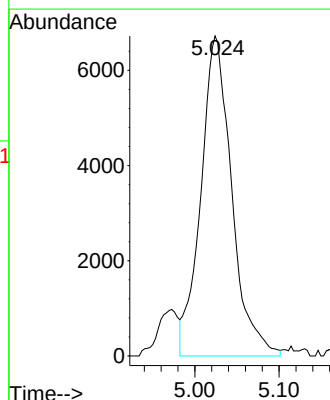
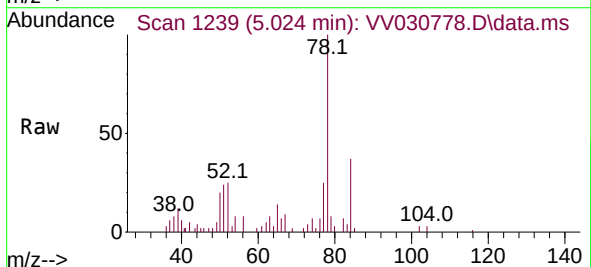
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

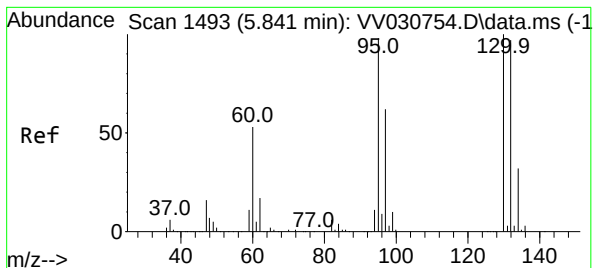
Tgt Ion:117 Resp: 6584
Ion Ratio Lower Upper
117 100
119 100.5 75.9 113.9



#33
Benzene
Concen: 2.545 ug/L
RT: 5.024 min Scan# 1239
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion: 78 Resp: 17120





#34

Trichloroethene

Concen: 2.683 ug/L

RT: 5.850 min Scan# 1493

Delta R.T. 0.009 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 95 Resp: 4693

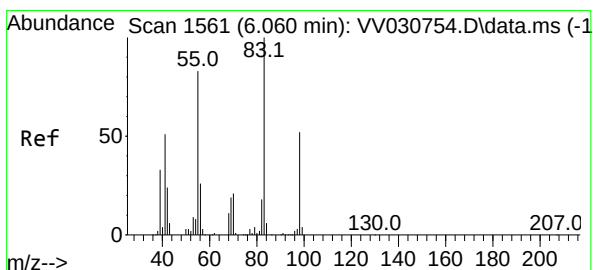
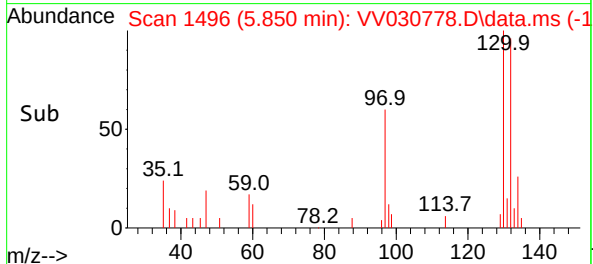
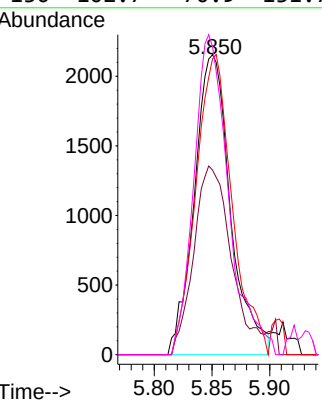
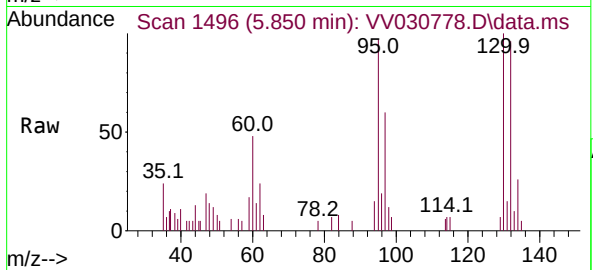
Ion Ratio Lower Upper

95 100

97 61.5 45.8 85.2

132 98.6 70.6 131.2

130 102.7 70.9 131.7



#35

Methylcyclohexane

Concen: 2.169 ug/L

RT: 6.059 min Scan# 1561

Delta R.T. -0.000 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

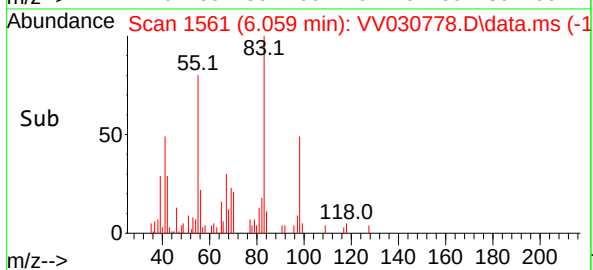
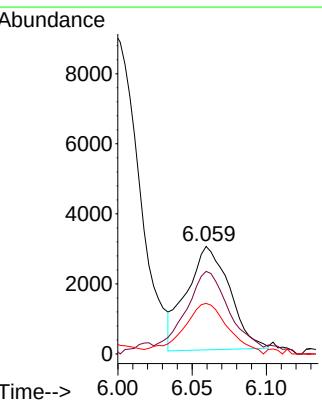
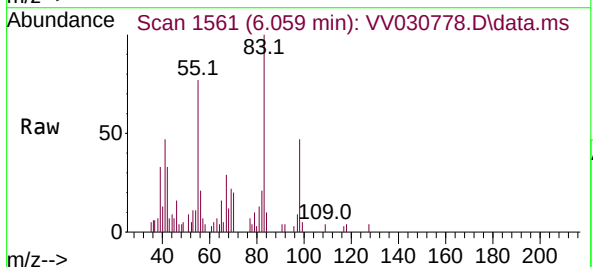
Tgt Ion: 83 Resp: 5947

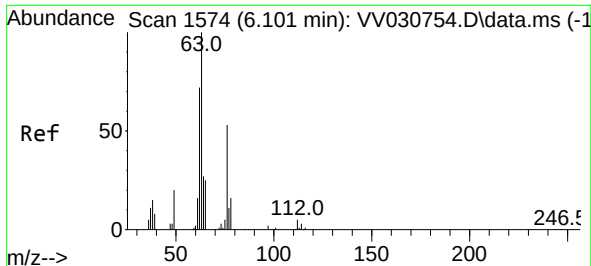
Ion Ratio Lower Upper

83 100

55 77.5 65.5 98.3

98 51.4 38.7 58.1





#37

1,2-Dichloropropane

Concen: 1.958 ug/L

RT: 6.104 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

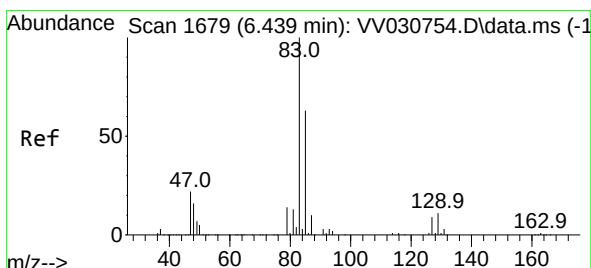
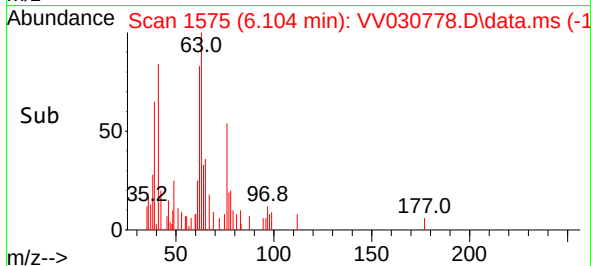
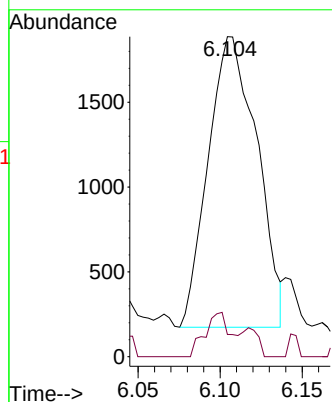
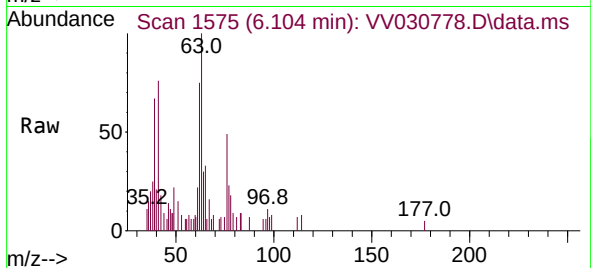
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 63 Resp: 3544

Ion Ratio Lower Upper

63 100

112 5.4 3.8 5.8



#38

Bromodichloromethane

Concen: 2.469 ug/L

RT: 6.445 min Scan# 1681

Delta R.T. 0.006 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

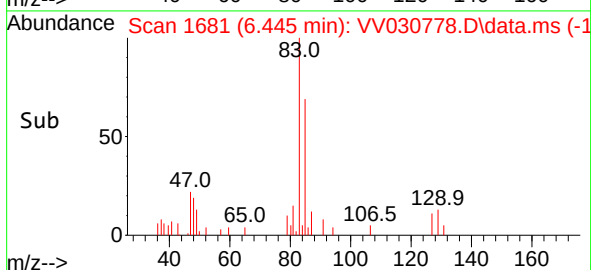
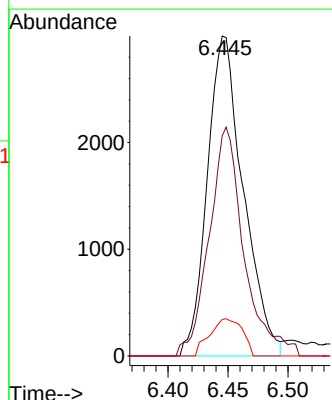
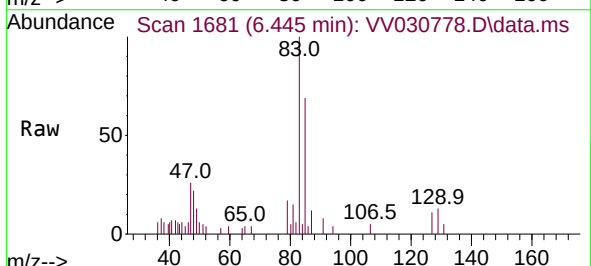
Tgt Ion: 83 Resp: 6278

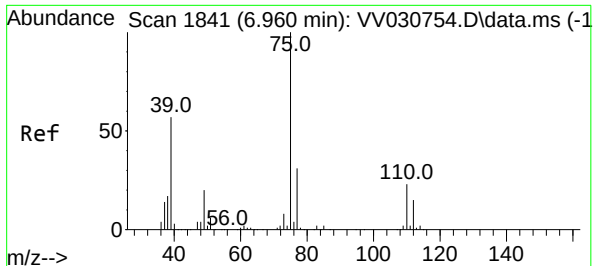
Ion Ratio Lower Upper

83 100

85 68.9 45.4 84.4

127 11.4 7.0 10.4#





#39

cis-1,3-Dichloropropene

Concen: 1.477 ug/L

RT: 6.969 min Scan# 11

Delta R.T. 0.009 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

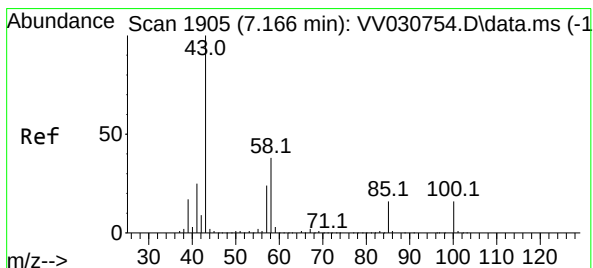
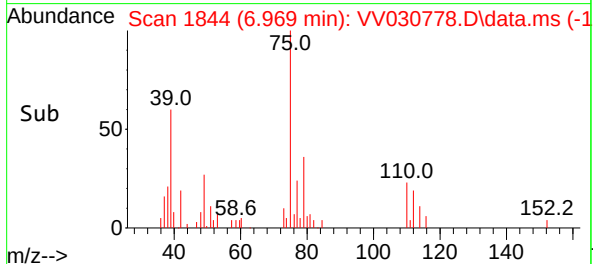
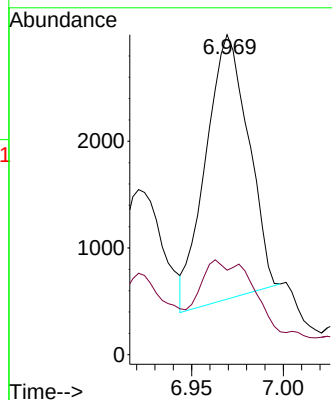
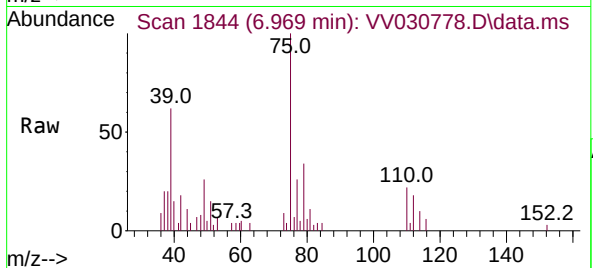
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 75 Resp: 4014

Ion Ratio Lower Upper

75 100

77 26.4 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 4.296 ug/L

RT: 7.172 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

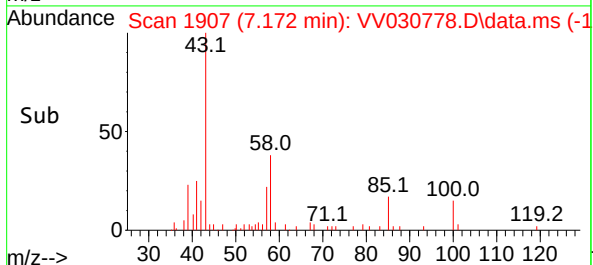
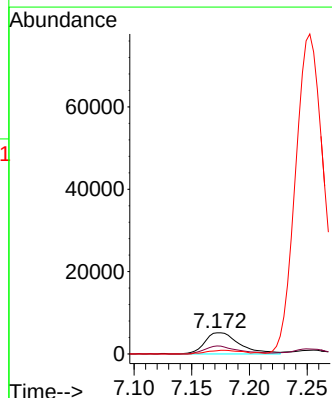
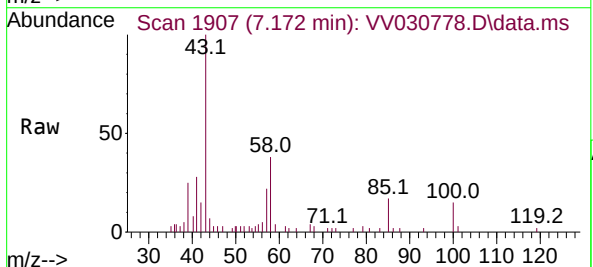
Tgt Ion: 43 Resp: 10864

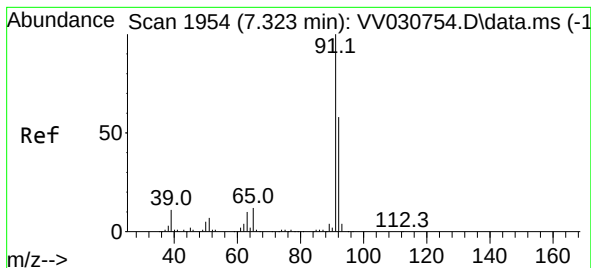
Ion Ratio Lower Upper

43 100

58 36.5 29.2 43.8

100 16.5 11.3 16.9





#42

Toluene

Concen: 2.352 ug/L

RT: 7.329 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

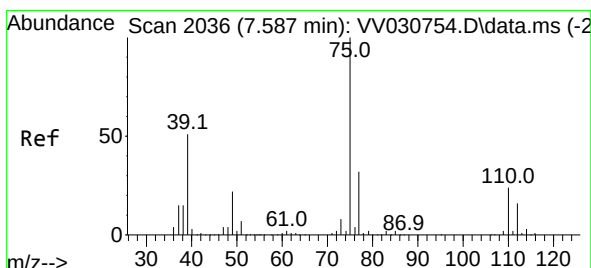
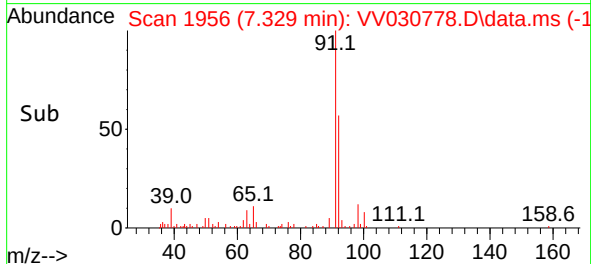
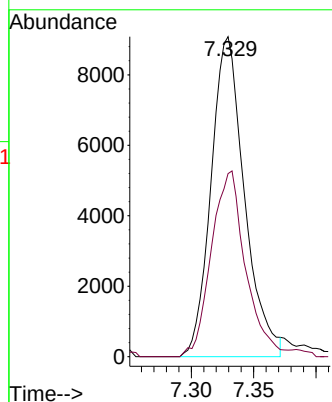
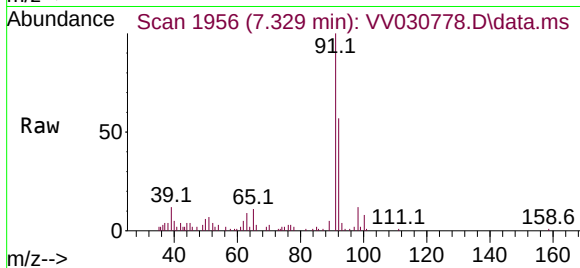
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 91 Resp: 16946

Ion Ratio Lower Upper

91 100

92 57.2 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 2.646 ug/L

RT: 7.596 min Scan# 2039

Delta R.T. 0.009 min

Lab File: VV030778.D

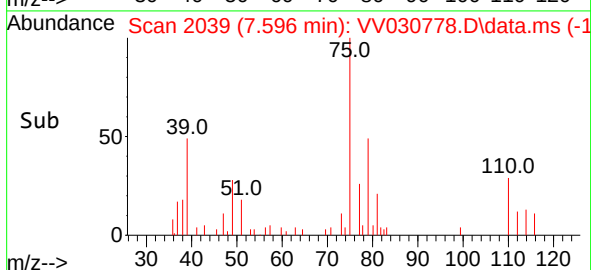
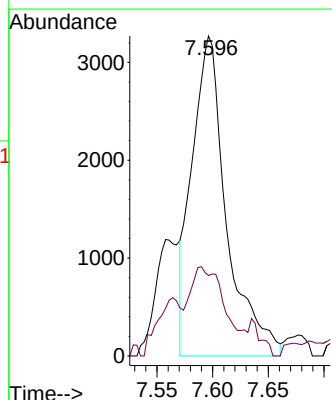
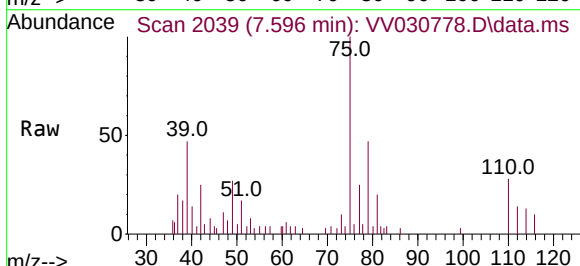
Acq: 21 Apr 2023 21:04

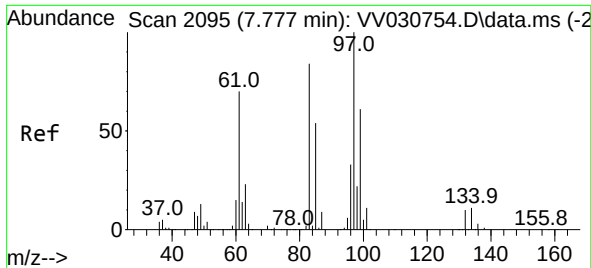
Tgt Ion: 75 Resp: 7064

Ion Ratio Lower Upper

75 100

77 25.2 22.1 41.1

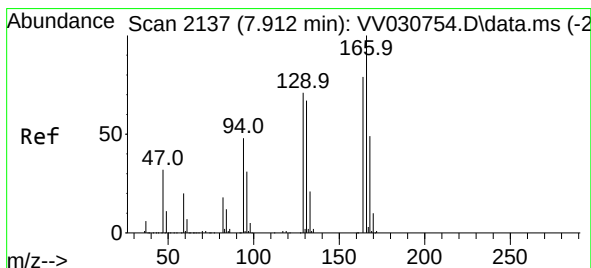
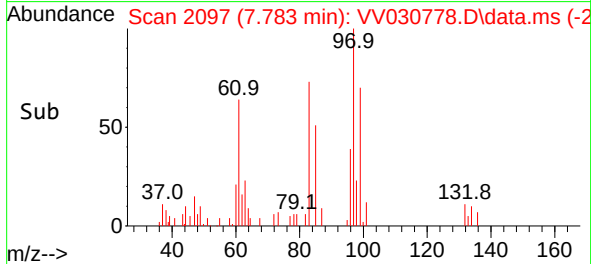
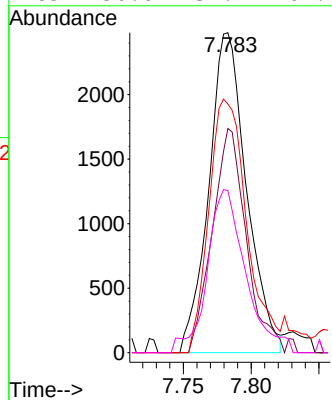
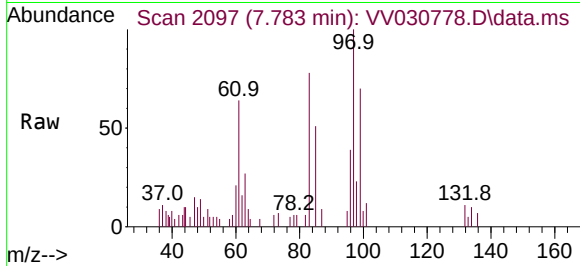




#45
1,1,2-Trichloroethane
Concen: 2.647 ug/L
RT: 7.783 min Scan# 2097
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

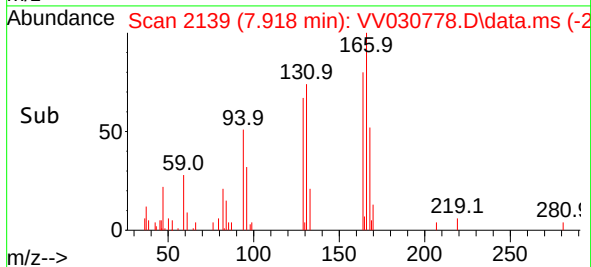
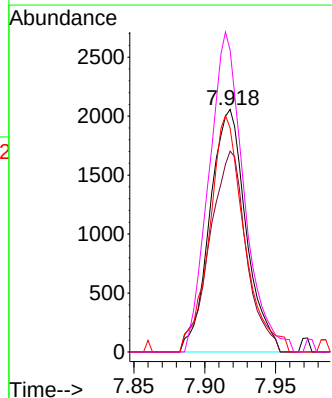
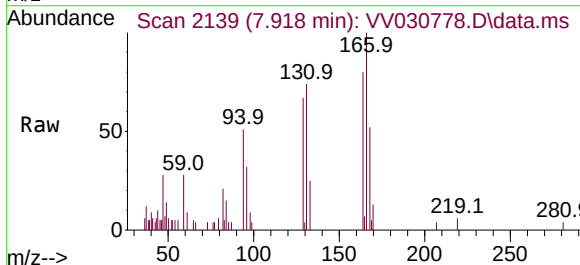
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

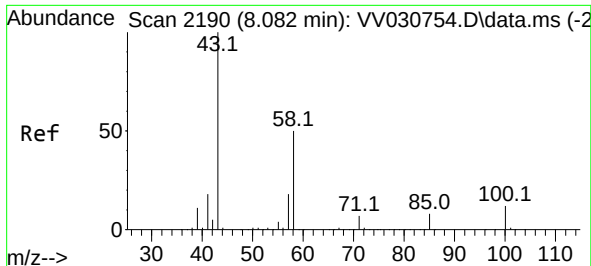
Tgt Ion:	97	Resp:	4804
Ion	Ratio	Lower	Upper
97	100		
99	70.1	43.8	81.4
83	77.7	59.6	110.6
85	50.6	37.4	69.4



#46
Tetrachloroethene
Concen: 2.383 ug/L
RT: 7.918 min Scan# 2139
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:	164	Resp:	3649
Ion	Ratio	Lower	Upper
164	100		
129	76.3	63.8	118.6
131	85.1	60.3	111.9
166	114.7	89.5	166.1

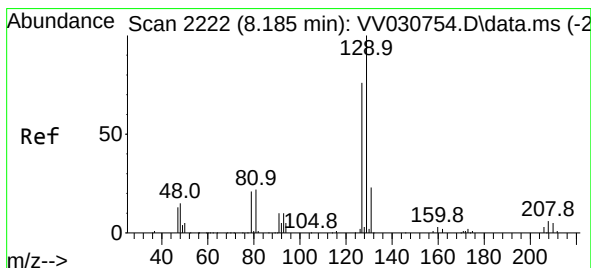
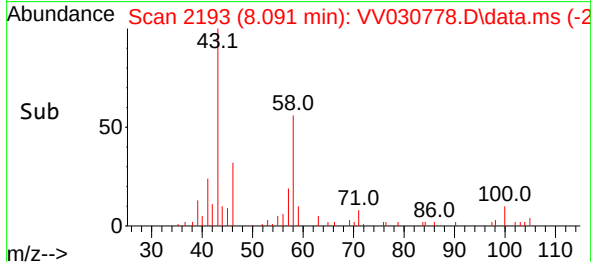
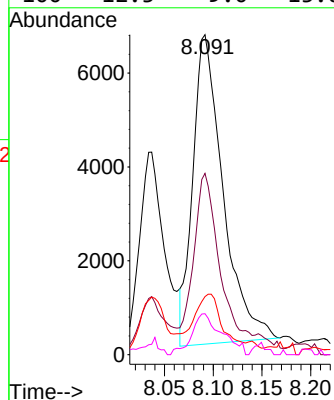
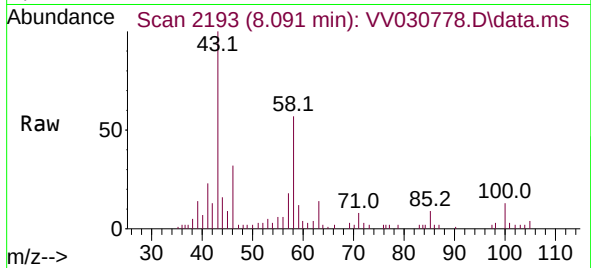




#48
2-Hexanone
Concen: 6.816 ug/L
RT: 8.091 min Scan# 2190
Delta R.T. 0.009 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

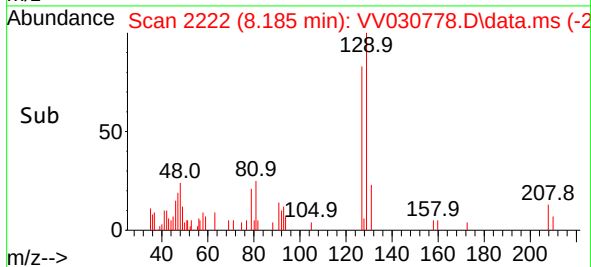
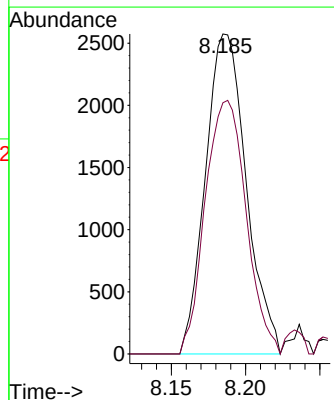
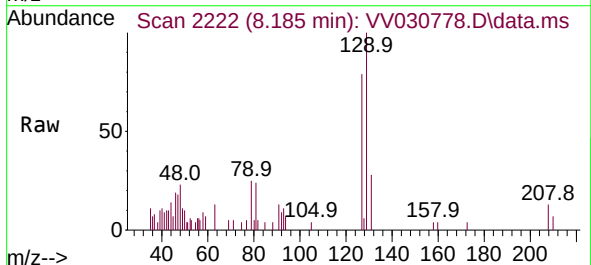
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

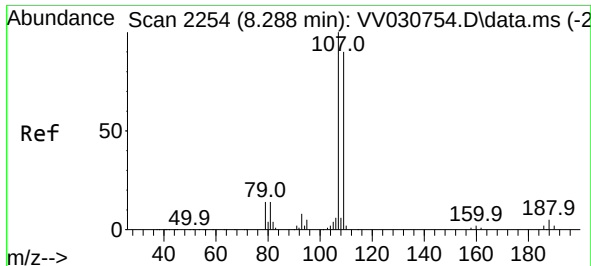
Tgt Ion: 43	Resp: 14222
Ion Ratio	Lower Upper
43 100	
58 41.2	41.4 62.0#
57 13.6	14.9 22.3#
100 12.3	9.0 13.6



#49
Dibromochloromethane
Concen: 2.453 ug/L
RT: 8.185 min Scan# 2222
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:129	Resp: 4912		
Ion Ratio	Lower	Upper	
129 100			
127 78.5	52.8	98.2	

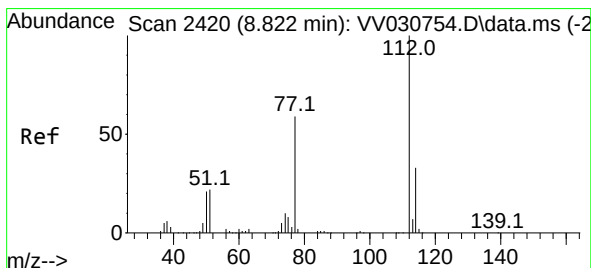
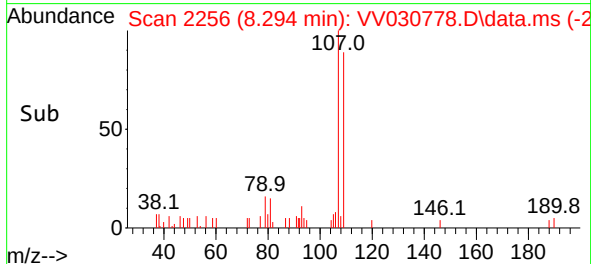
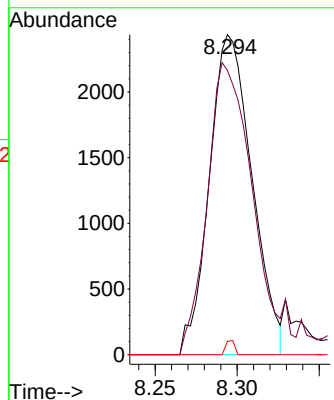
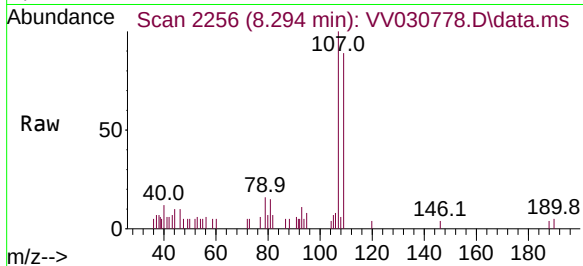




#50
1,2-Dibromoethane
Concen: 2.337 ug/L
RT: 8.294 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

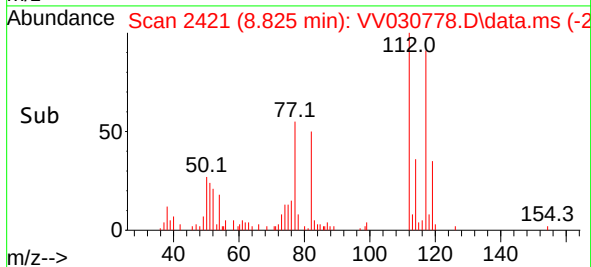
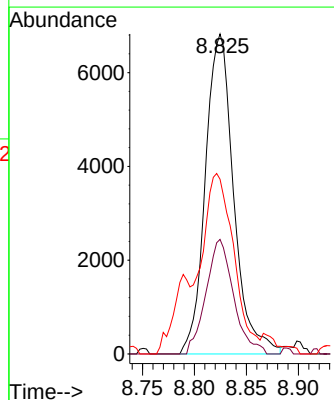
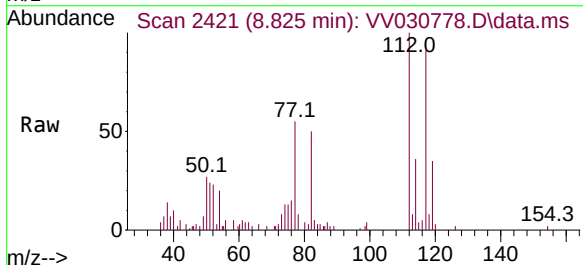
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

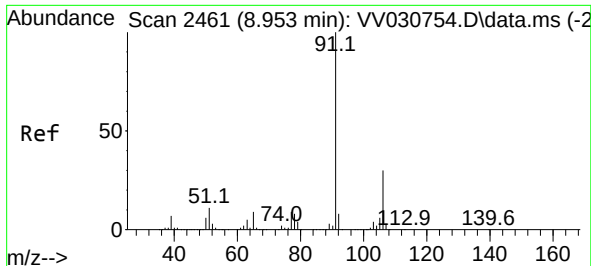
Tgt Ion:107 Resp: 4396
Ion Ratio Lower Upper
107 100
109 88.9 65.7 121.9
188 4.1 3.2 4.8



#51
Chlorobenzene
Concen: 2.714 ug/L
RT: 8.825 min Scan# 2421
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:112 Resp: 12949
Ion Ratio Lower Upper
112 100
114 35.8 22.4 41.6
77 54.6 47.4 71.0





#52

Ethylbenzene

Concen: 2.176 ug/L

RT: 8.956 min Scan# 2461

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

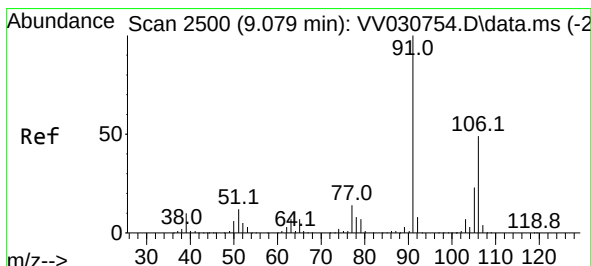
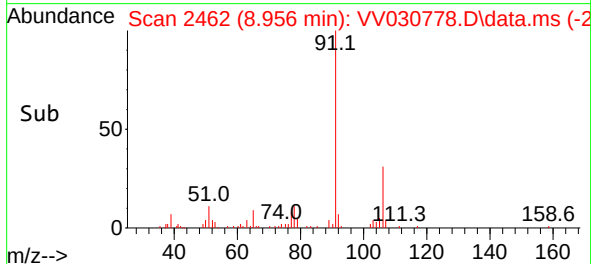
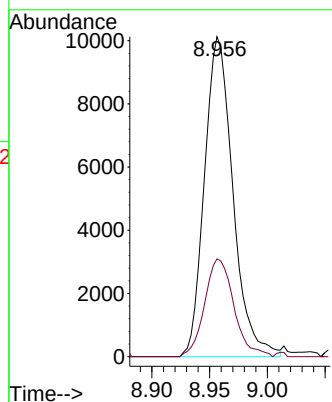
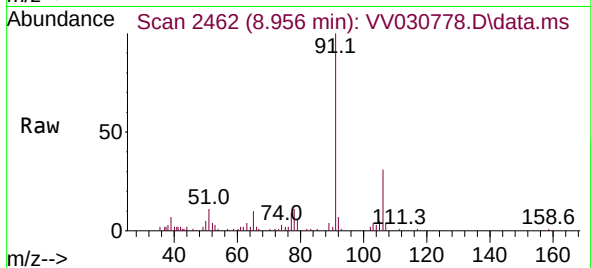
MDL-MED-SOIL-QT2-2023-04

Tgt Ion: 91 Resp: 17356

Ion Ratio Lower Upper

91 100

106 30.6 21.8 40.4



#53

m,p-Xylene

Concen: 2.141 ug/L

RT: 9.085 min Scan# 2502

Delta R.T. 0.006 min

Lab File: VV030778.D

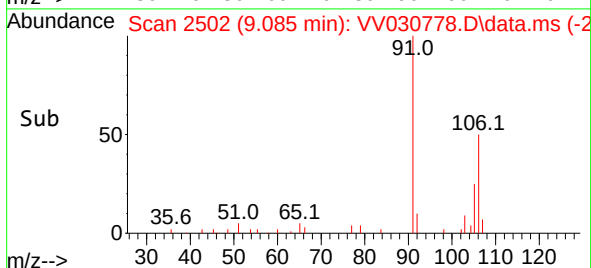
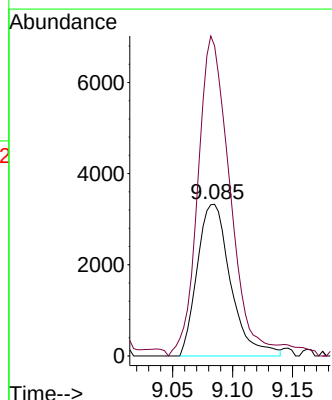
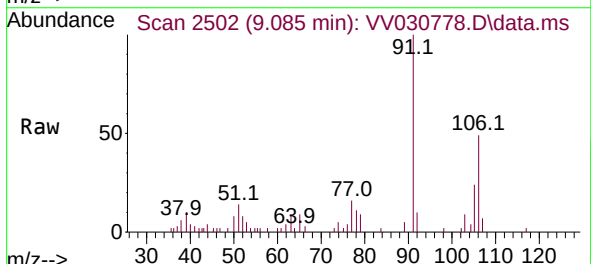
Acq: 21 Apr 2023 21:04

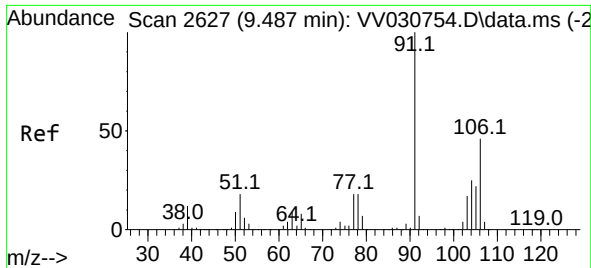
Tgt Ion: 106 Resp: 6449

Ion Ratio Lower Upper

106 100

91 204.4 144.7 268.7

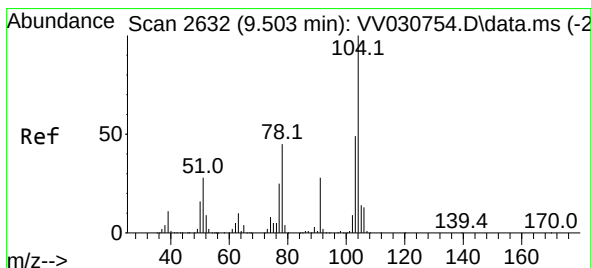
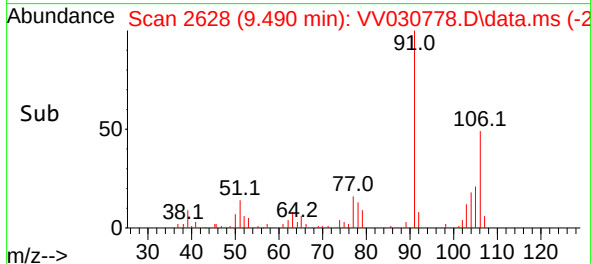
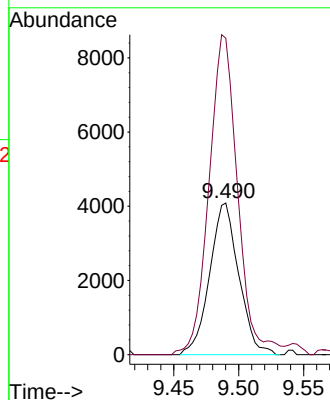
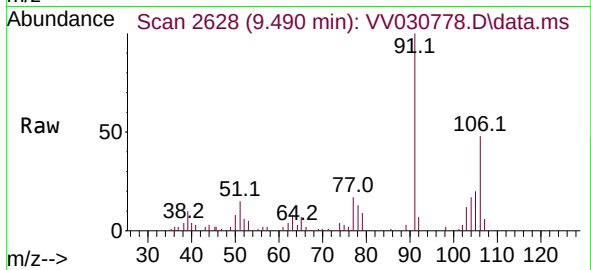




#54
o-Xylene
Concen: 2.162 ug/L
RT: 9.490 min Scan# 2627
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

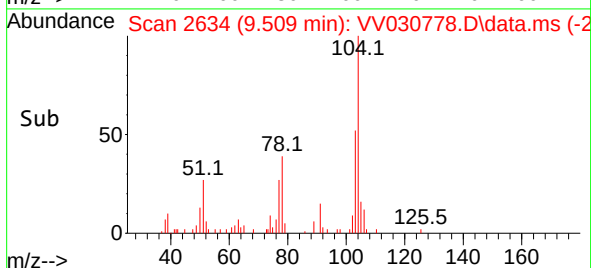
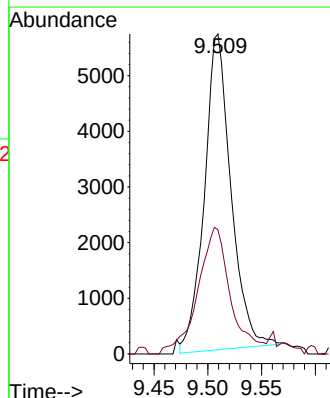
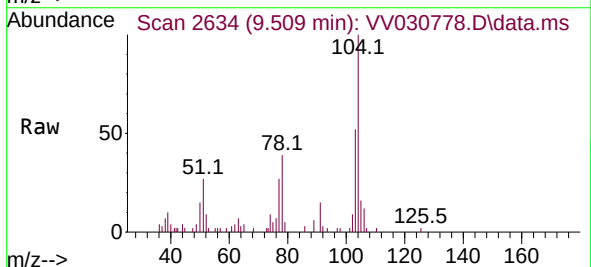
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

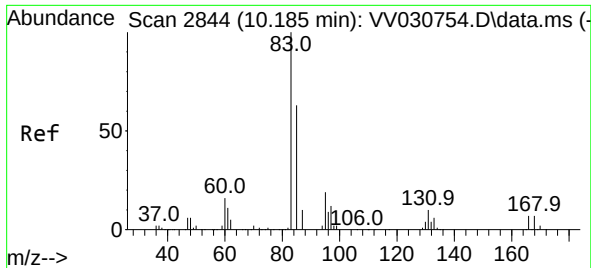
Tgt Ion:106 Resp: 6370
Ion Ratio Lower Upper
106 100
91 208.8 152.6 283.4



#55
Styrene
Concen: 1.885 ug/L
RT: 9.509 min Scan# 2634
Delta R.T. 0.006 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:104 Resp: 9758
Ion Ratio Lower Upper
104 100
78 38.7 32.3 59.9

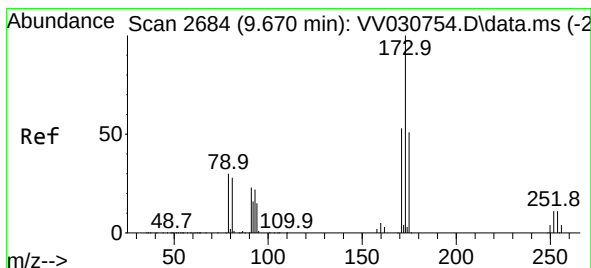
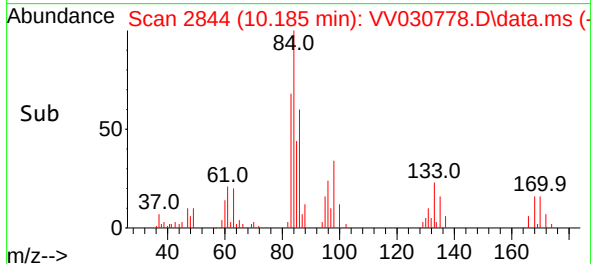
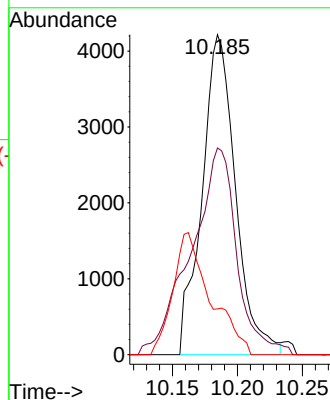
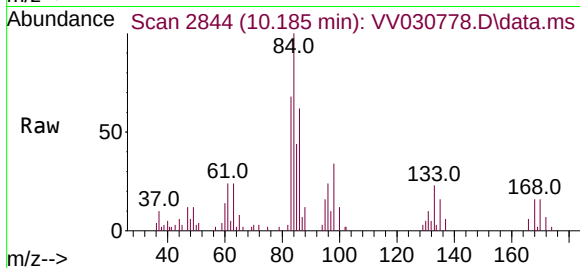




#57
1,1,2,2-Tetrachloroethane
Concen: 2.543 ug/L
RT: 10.185 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

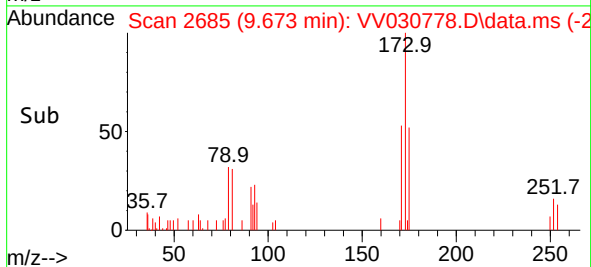
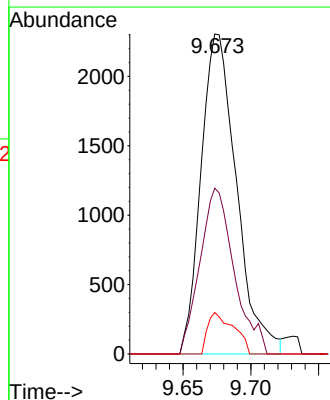
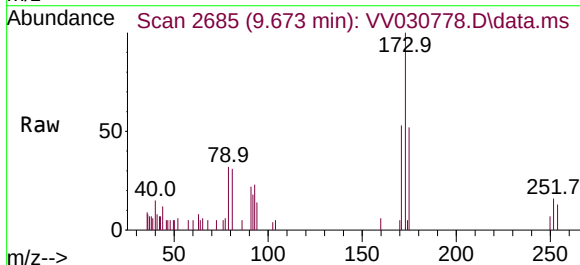
Instrument : MSVOA_V
ClientSampleId : MDL-MED-SOIL-QT2-2023-04

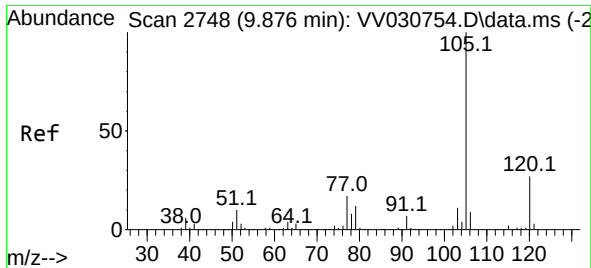
Tgt Ion:	83	Resp:	7578
Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.1	83.7
131	14.3	8.0	12.0



#59
Bromoform
Concen: 2.975 ug/L
RT: 9.673 min Scan# 2685
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:	173	Resp:	4191
Ion	Ratio	Lower	Upper
173	100		
175	48.5	38.8	58.2
254	9.5	8.2	12.4

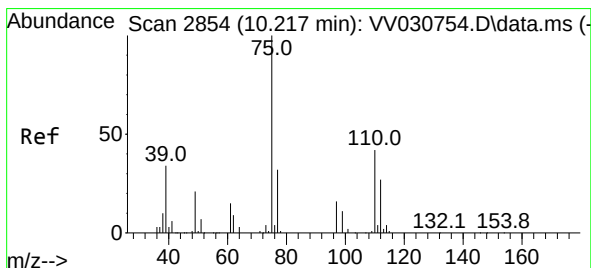
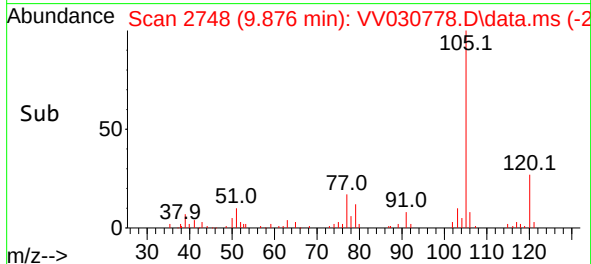
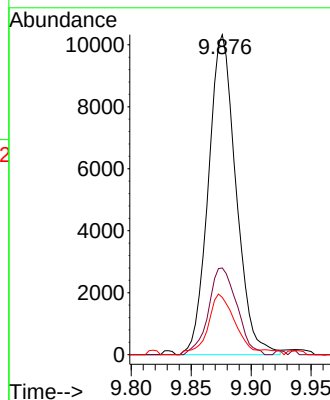
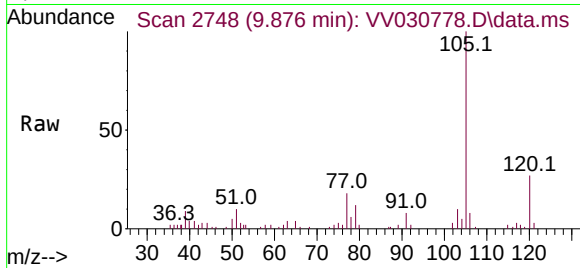




#60
Isopropylbenzene
Concen: 2.356 ug/L
RT: 9.876 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

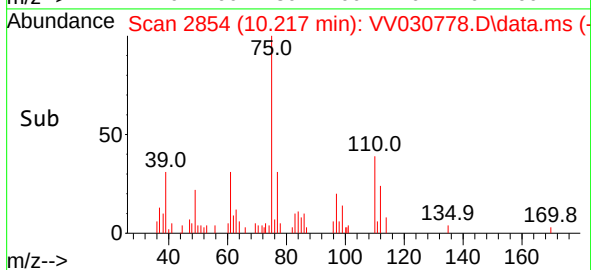
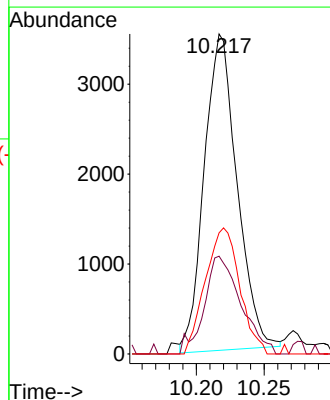
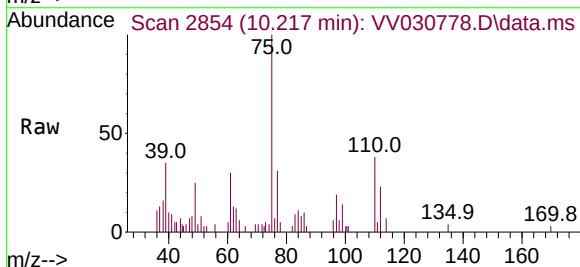
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

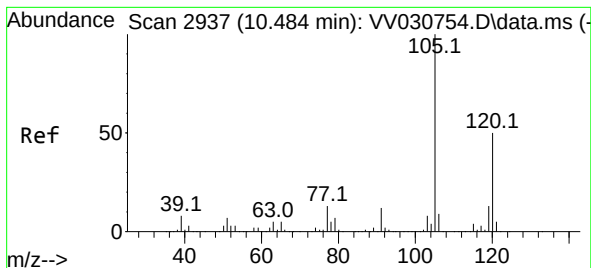
Tgt Ion:	105	Resp:	16534
Ion	Ratio	Lower	Upper
105	100		
120	27.8	20.9	31.3
77	18.3	13.0	19.6



#61
1,2,3-Trichloropropane
Concen: 2.940 ug/L
RT: 10.217 min Scan# 2854
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:	75	Resp:	5926
Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.7	38.5
110	41.7	32.8	49.2





#62

1,3,5-Trimethylbenzene

Concen: 2.322 ug/L

RT: 10.487 min Scan# 2937

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

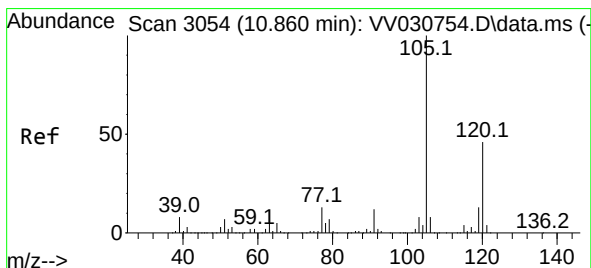
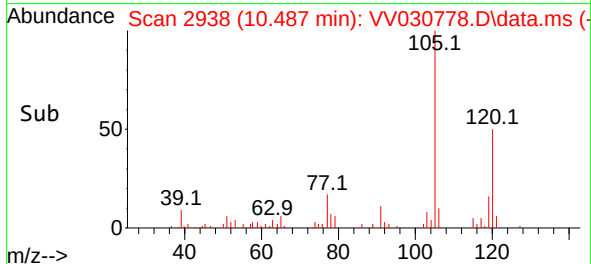
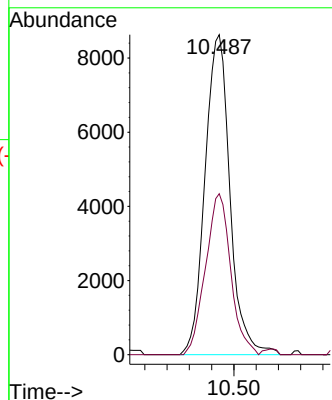
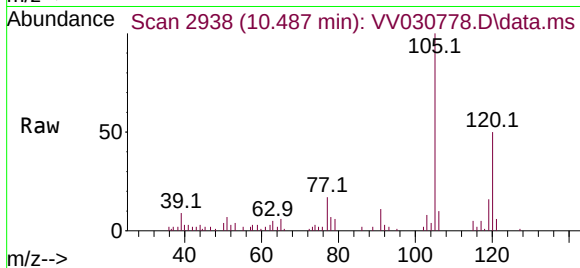
MDL-MED-SOIL-QT2-2023-04

Tgt Ion:105 Resp: 13415

Ion Ratio Lower Upper

105 100

120 50.8 39.2 58.8



#63

1,2,4-Trimethylbenzene

Concen: 2.129 ug/L

RT: 10.863 min Scan# 3055

Delta R.T. 0.003 min

Lab File: VV030778.D

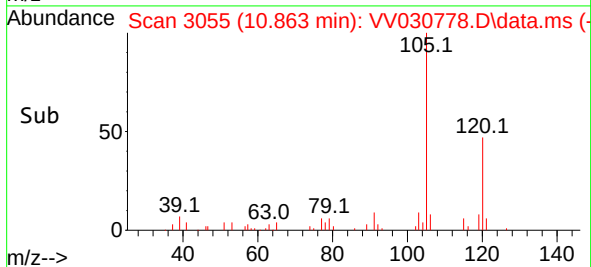
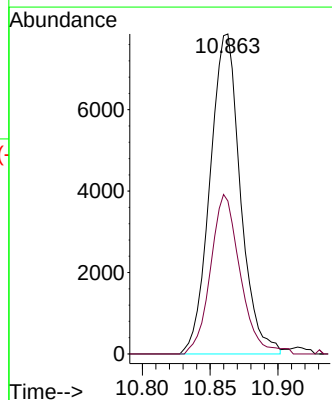
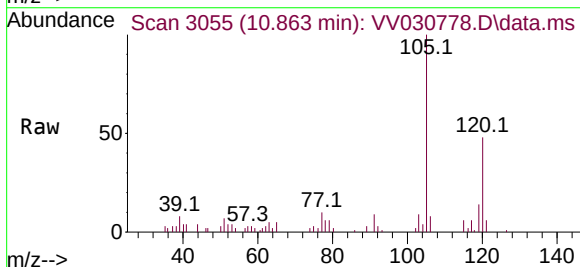
Acq: 21 Apr 2023 21:04

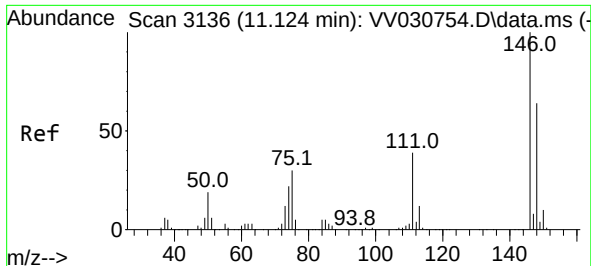
Tgt Ion:105 Resp: 12280

Ion Ratio Lower Upper

105 100

120 48.3 36.2 54.4

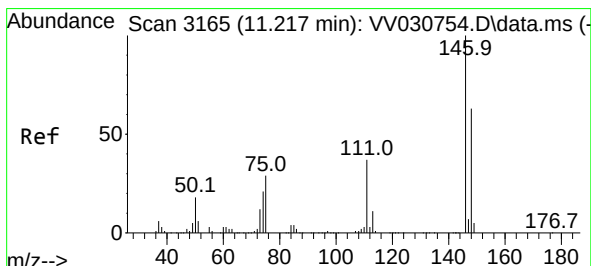
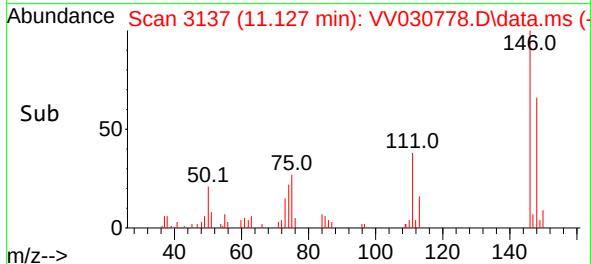
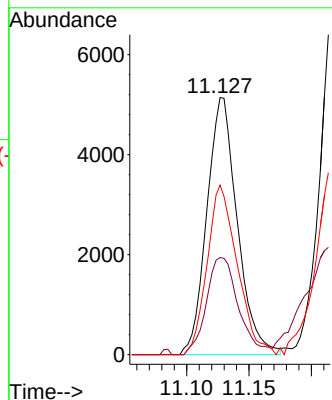
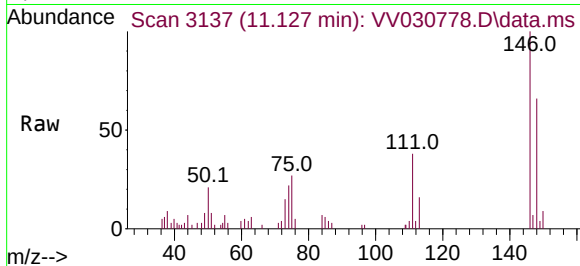




#64
1,3-Dichlorobenzene
Concen: 2.491 ug/L
RT: 11.127 min Scan# 3136
Delta R.T. 0.003 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

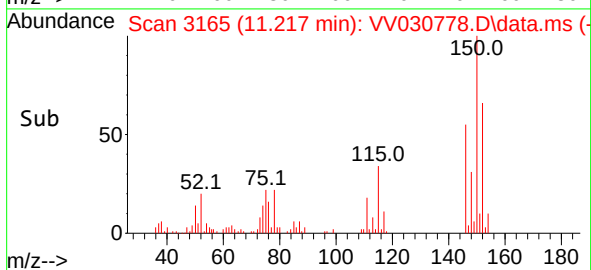
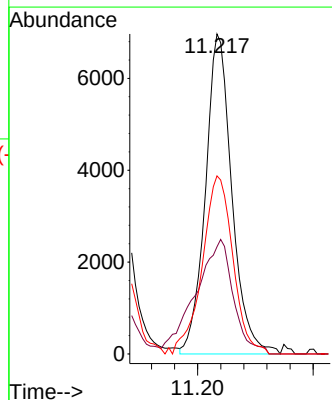
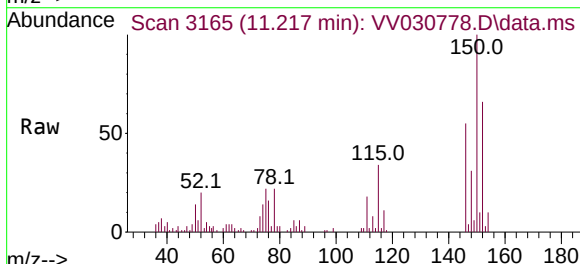
Instrument :
MSVOA_V
ClientSampleId :
MDL-MED-SOIL-QT2-2023-04

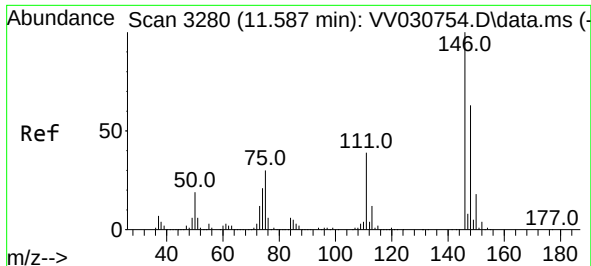
Tgt Ion:146 Resp: 8752
Ion Ratio Lower Upper
146 100
111 37.8 27.0 50.2
148 66.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 2.995 ug/L
RT: 11.217 min Scan# 3165
Delta R.T. -0.000 min
Lab File: VV030778.D
Acq: 21 Apr 2023 21:04

Tgt Ion:146 Resp: 11096
Ion Ratio Lower Upper
146 100
111 33.5 26.5 49.1
148 55.7 44.7 83.1





#67

1,2-Dichlorobenzene

Concen: 3.133 ug/L

RT: 11.590 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

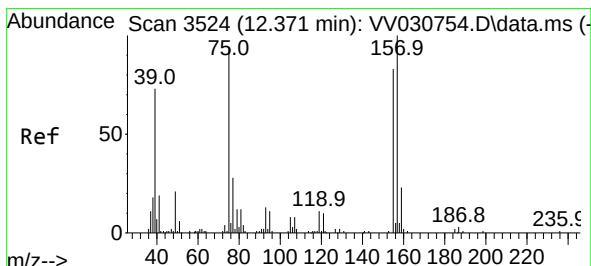
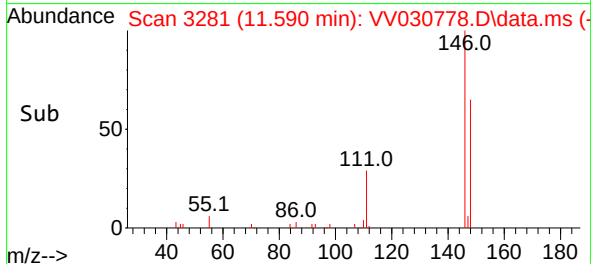
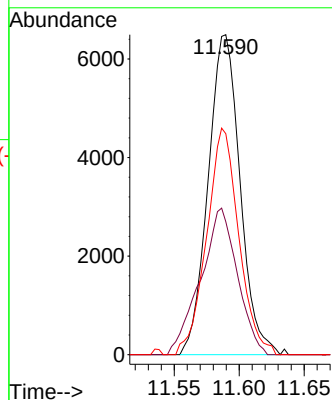
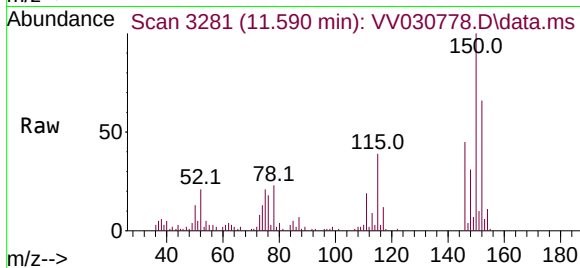
Tgt Ion:146 Resp: 11106

Ion Ratio Lower Upper

146 100

111 41.6 32.0 48.0

148 69.1 50.6 76.0



#68

1,2-Dibromo-3-chloropropane

Concen: 2.986 ug/L

RT: 12.374 min Scan# 3525

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

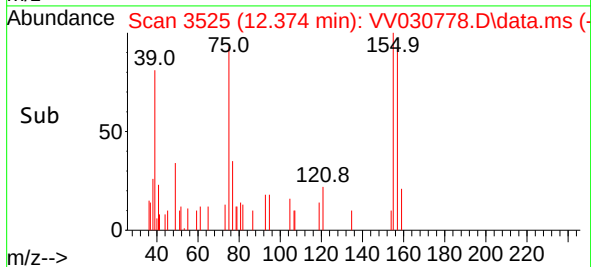
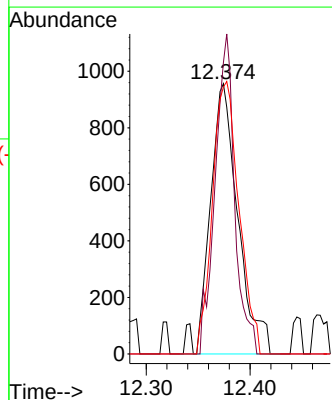
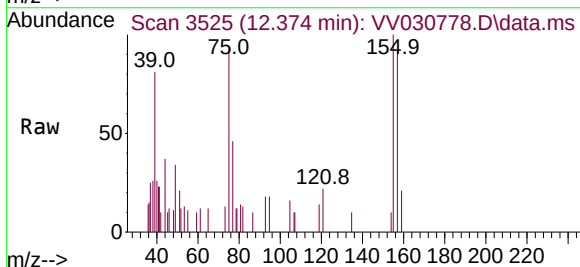
Tgt Ion: 75 Resp: 1783

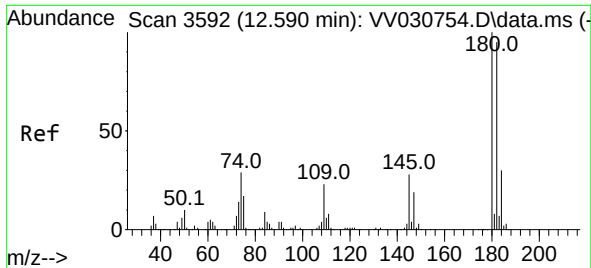
Ion Ratio Lower Upper

75 100

155 107.7 65.0 97.6#

157 98.7 84.4 126.6

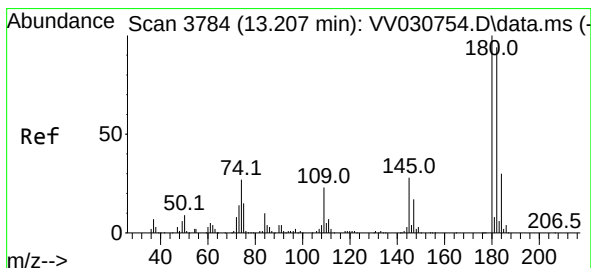
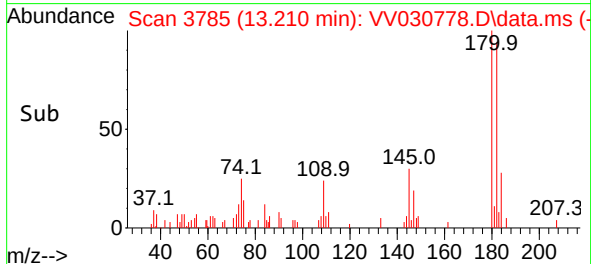
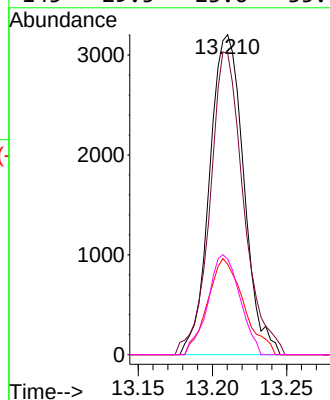
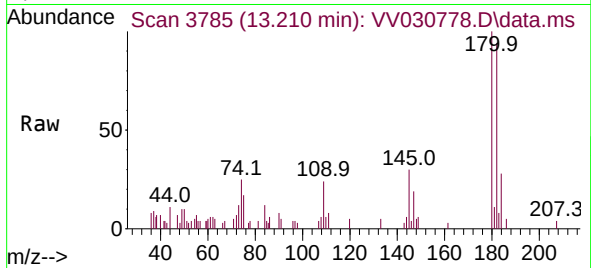




#69
 1,3,5-Trichlorobenzene
 Concen: 1.926 ug/L
 RT: 13.210 min Scan# 3785
 Delta R.T. 0.620 min
 Lab File: VV030778.D
 Acq: 21 Apr 2023 21:04

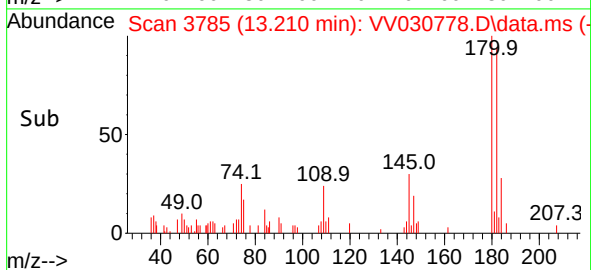
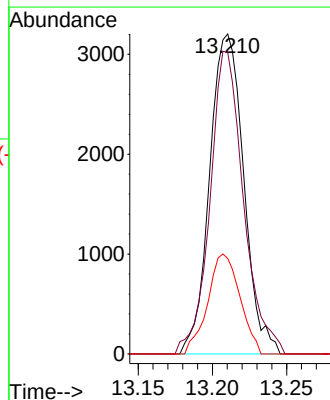
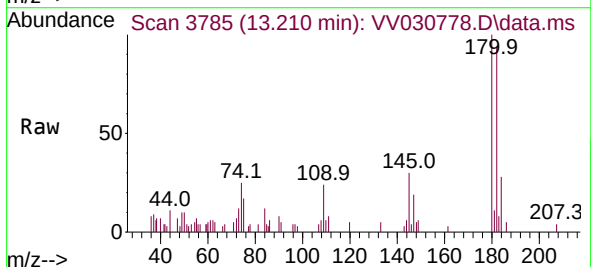
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-MED-SOIL-QT2-2023-04

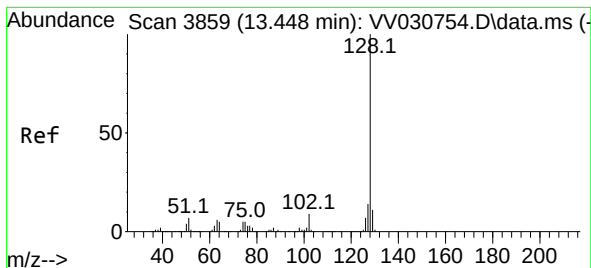
Tgt Ion:180	Resp:	5112
Ion Ratio	Lower	Upper
180	100	
182	93.0	76.4 114.6
184	31.6	24.1 36.1
145	29.5	23.6 35.4



#70
 1,2,4-trichlorobenzene
 Concen: 2.269 ug/L
 RT: 13.210 min Scan# 3785
 Delta R.T. 0.003 min
 Lab File: VV030778.D
 Acq: 21 Apr 2023 21:04

Tgt Ion:180	Resp:	5112
Ion Ratio	Lower	Upper
180	100	
182	93.0	75.9 113.9
145	29.5	23.4 35.2





#71

Naphthalene

Concen: 1.884 ug/L

RT: 13.451 min Scan# 3860

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

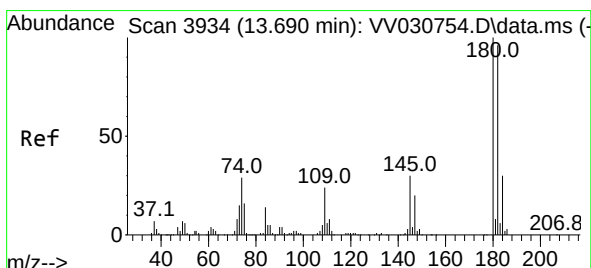
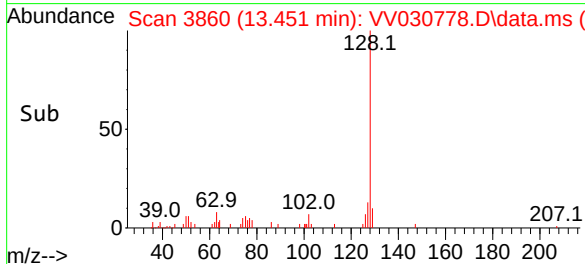
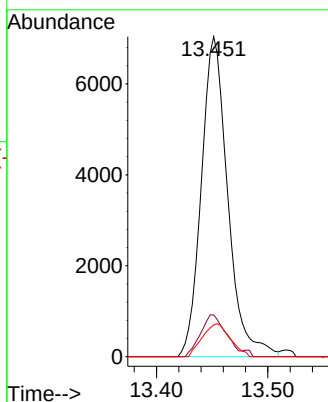
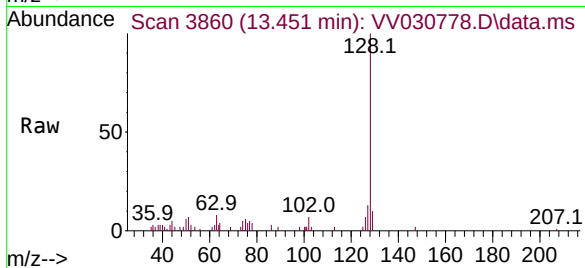
Instrument :

MSVOA_V

ClientSampleId :

MDL-MED-SOIL-QT2-2023-04

Tgt Ion:	128	Resp:	11613
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.7	16.1
129	10.8	8.6	13.0



#72

1,2,3-Trichlorobenzene

Concen: 2.229 ug/L

RT: 13.693 min Scan# 3935

Delta R.T. 0.003 min

Lab File: VV030778.D

Acq: 21 Apr 2023 21:04

Tgt Ion:	180	Resp:	4981
Ion	Ratio	Lower	Upper
180	100		
182	100.8	76.2	114.4
145	30.6	25.1	37.7

