

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
 Data File : VD078222.D
 Acq On : 24 Jan 2024 14:53
 Operator : RP/MD
 Sample : P1187-03 2.5 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

Quant Time: Jan 25 01:16:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 01:15:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	113477	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	221801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	198577	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	85668	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	70108	54.119	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.240%	
35) Dibromofluoromethane	7.811	113	71890	49.248	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.500%	
50) Toluene-d8	10.269	98	278352	48.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.320%	
62) 4-Bromofluorobenzene	12.575	95	75945	45.307	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.620%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	3428	2.622	ug/l	98
3) Chloromethane	2.146	50	5460	2.589	ug/l	91
4) Vinyl Chloride	2.287	62	6632	2.465	ug/l	94
5) Bromomethane	2.699	94	5366	2.733	ug/l	95
6) Chloroethane	2.846	64	4683	2.491	ug/l	91
7) Trichlorofluoromethane	3.181	101	6094	2.490	ug/l	# 79
8) Diethyl Ether	3.593	74	1970	2.903	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.975	101	4240	2.991	ug/l	94
10) Methyl Iodide	4.175	142	2841	1.999	ug/l	# 84
11) Tert butyl alcohol	5.052	59	648	10.161	ug/l	# 73
12) 1,1-Dichloroethene	3.940	96	3446	2.454	ug/l	# 84
13) Acrolein	3.799	56	2002	13.674	ug/l	# 65
14) Allyl chloride	4.581	41	4751	2.565	ug/l	# 47
15) Acrylonitrile	5.252	53	1565	5.140	ug/l	# 34
16) Acetone	4.022	43	4121	10.671	ug/l	# 71
17) Carbon Disulfide	4.275	76	11457	2.516	ug/l	95
18) Methyl Acetate	4.581	43	2235	2.005	ug/l	# 70
19) Methyl tert-butyl Ether	5.322	73	6396	2.184	ug/l	# 74
20) Methylene Chloride	4.811	84	8540	4.494	ug/l	# 84
21) trans-1,2-Dichloroethene	5.322	96	3776	2.327	ug/l	83
22) Diisopropyl ether	6.216	45	9030	2.304	ug/l	# 83
23) Vinyl Acetate	6.158	43	21254	11.006	ug/l	# 89
24) 1,1-Dichloroethane	6.122	63	7236	2.672	ug/l	# 94
25) 2-Butanone	7.087	43	4947	10.841	ug/l	89
26) 2,2-Dichloropropane	7.087	77	5410	2.384	ug/l	# 71
27) cis-1,2-Dichloroethene	7.087	96	4281	2.456	ug/l	85
28) Bromochloromethane	7.428	49	2398	2.270	ug/l	# 31
29) Tetrahydrofuran	7.458	42	2785	13.031	ug/l	# 73
30) Chloroform	7.599	83	7365	2.674	ug/l	87
31) Cyclohexane	7.887	56	7823	3.266	ug/l	# 67
32) 1,1,1-Trichloroethane	7.805	97	5700	2.396	ug/l	96
36) 1,1-Dichloropropene	8.016	75	5179	2.157	ug/l	95
37) Ethyl Acetate	7.175	43	1939	2.170	ug/l	# 62
38) Carbon Tetrachloride	7.987	117	5142	2.169	ug/l	# 61
39) Methylcyclohexane	9.281	83	6725	2.369	ug/l	# 83
40) Benzene	8.252	78	16070	2.359	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	526	1.072	ug/l #	63
42) 1,2-Dichloroethane	8.328	62	4213	2.377	ug/l	82
43) Isopropyl Acetate	8.363	43	3139	1.917	ug/l #	79
44) Trichloroethene	9.034	130	4099	2.352	ug/l	96
45) 1,2-Dichloropropane	9.310	63	3620	2.142	ug/l	90
46) Dibromomethane	9.393	93	2060	2.219	ug/l	89
47) Bromodichloromethane	9.587	83	5153	2.210	ug/l #	71
48) Methyl methacrylate	9.387	41	1703	1.797	ug/l #	78
49) 1,4-Dioxane	9.387	88	216	24.047	ug/l #	33
51) 4-Methyl-2-Pentanone	10.157	43	8276	9.620	ug/l	88
52) Toluene	10.340	92	9668	2.239	ug/l	92
53) t-1,3-Dichloropropene	10.552	75	4440	2.064	ug/l #	86
54) cis-1,3-Dichloropropene	10.022	75	5391	2.090	ug/l #	80
55) 1,1,2-Trichloroethane	10.734	97	2620	2.109	ug/l #	85
56) Ethyl methacrylate	10.604	69	2098	2.063	ug/l #	72
57) 1,3-Dichloropropane	10.881	76	5380	2.533	ug/l #	87
58) 2-Chloroethyl Vinyl ether	9.869	63	5892	9.669	ug/l	90
59) 2-Hexanone	10.922	43	6283	8.987	ug/l	77
60) Dibromochloromethane	11.075	129	3208	2.191	ug/l	92
61) 1,2-Dibromoethane	11.187	107	2619	2.287	ug/l	87
64) Tetrachloroethene	10.810	164	3024	2.329	ug/l	93
65) Chlorobenzene	11.616	112	9892	2.255	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.681	131	3149	2.009	ug/l	94
67) Ethyl Benzene	11.681	91	17138	2.147	ug/l #	83
68) m/p-Xylenes	11.799	106	13250	4.346	ug/l	99
69) o-Xylene	12.116	106	5512	1.992	ug/l	98
70) Styrene	12.140	104	7600	1.833	ug/l #	85
71) Bromoform	12.304	173	1465	1.887	ug/l #	71
73) Isopropylbenzene	12.422	105	14446	2.145	ug/l	97
74) N-amyl acetate	12.234	43	3024	2.347	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.681	83	3260	2.601	ug/l	90
76) 1,2,3-Trichloropropane	12.722	75	3721	4.529	ug/l #	100
77) Bromobenzene	12.698	156	3625	2.455	ug/l	86
78) n-propylbenzene	12.763	91	18645	2.232	ug/l	96
79) 2-Chlorotoluene	12.851	91	10649	2.389	ug/l	93
80) 1,3,5-Trimethylbenzene	12.898	105	11869	2.125	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.575	75	41782	109.534	ug/l #	17
82) 4-Chlorotoluene	12.951	91	10429	2.219	ug/l	96
83) tert-Butylbenzene	13.169	119	10152	2.174	ug/l	91
84) 1,2,4-Trimethylbenzene	13.210	105	11511	2.038	ug/l	98
85) sec-Butylbenzene	13.346	105	15287	2.162	ug/l	97
86) p-Isopropyltoluene	13.457	119	12835	2.086	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	6714	2.196	ug/l	92
88) 1,4-Dichlorobenzene	13.457	146	6714	2.223	ug/l	92
89) n-Butylbenzene	13.787	91	13258	2.214	ug/l	94
90) Hexachloroethane	14.057	117	2771	2.296	ug/l	97
91) 1,2-Dichlorobenzene	13.828	146	6209	2.415	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.457	75	420	2.345	ug/l #	18
93) 1,2,4-Trichlorobenzene	15.104	180	3673	2.311	ug/l	95
94) Hexachlorobutadiene	15.198	225	1728	2.250	ug/l	96
95) Naphthalene	15.334	128	6463	2.175	ug/l #	83
96) 1,2,3-Trichlorobenzene	15.528	180	2780	2.085	ug/l	85

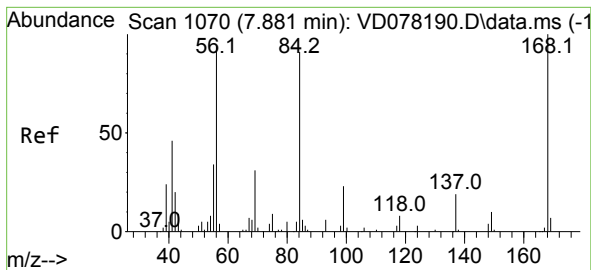
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

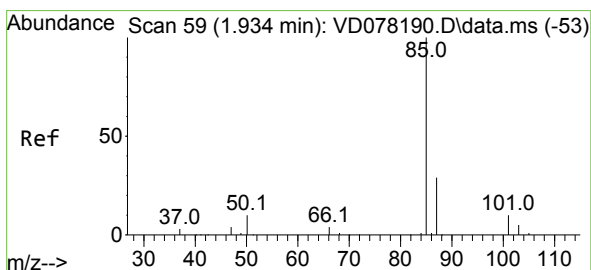
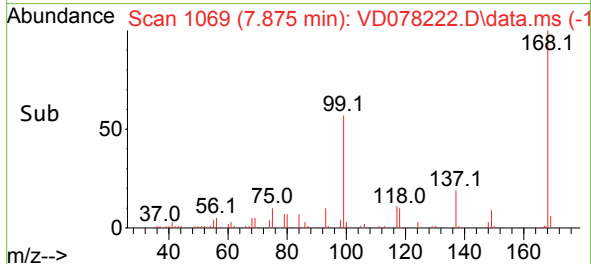
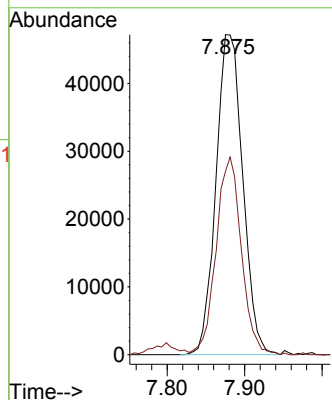
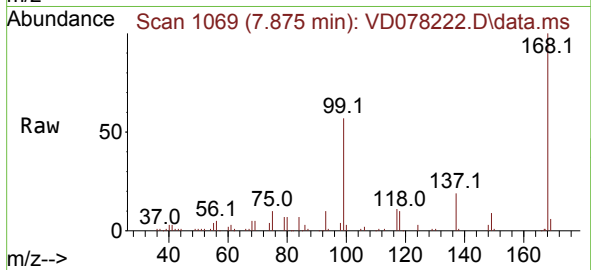
MDL-SOIL-03-QT1-2024

Tgt Ion:168 Resp: 113477

Ion Ratio Lower Upper

168 100

99 57.3 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 2.622 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078222.D

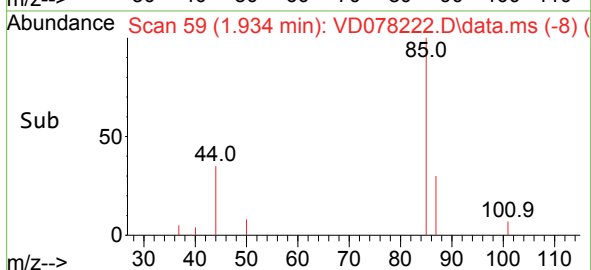
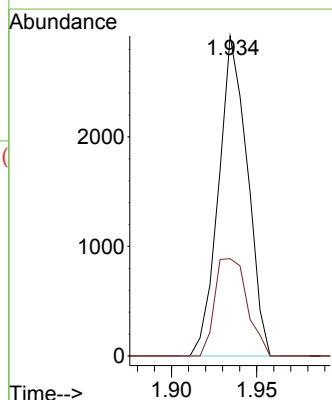
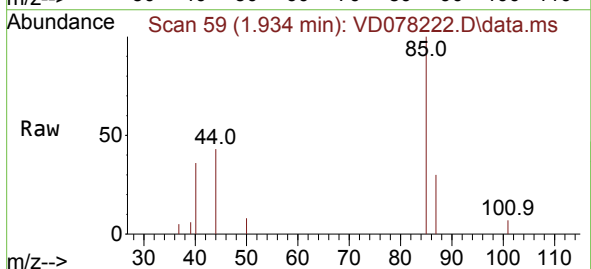
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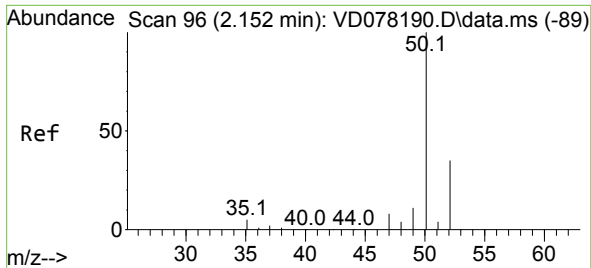
Tgt Ion: 85 Resp: 3428

Ion Ratio Lower Upper

85 100

87 30.4 15.7 47.0





#3

Chloromethane

Concen: 2.589 ug/l

RT: 2.146 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

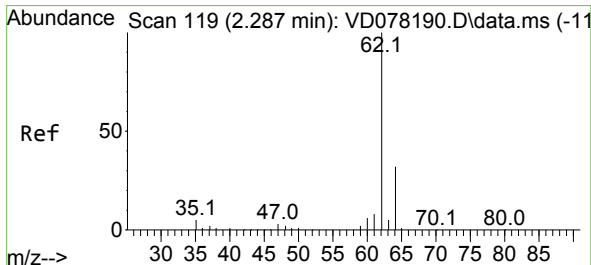
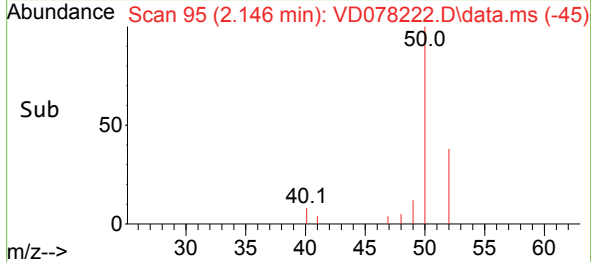
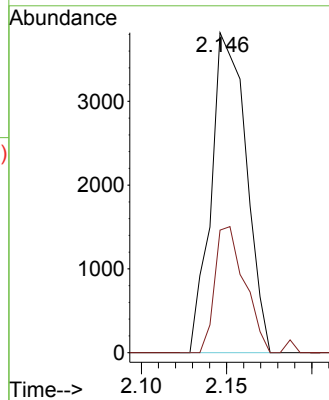
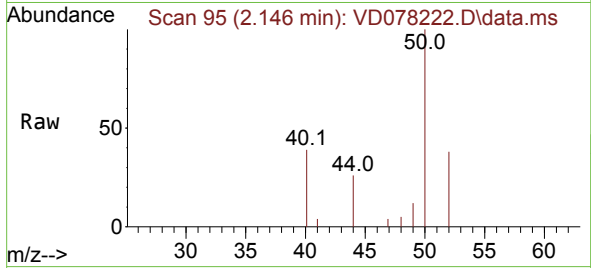
MDL-SOIL-03-QT1-2024

Tgt Ion: 50 Resp: 5460

Ion Ratio Lower Upper

50 100

52 38.3 26.6 40.0



#4

Vinyl Chloride

Concen: 2.465 ug/l

RT: 2.287 min Scan# 119

Delta R.T. 0.000 min

Lab File: VD078222.D

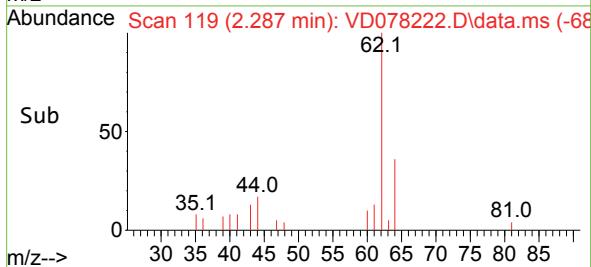
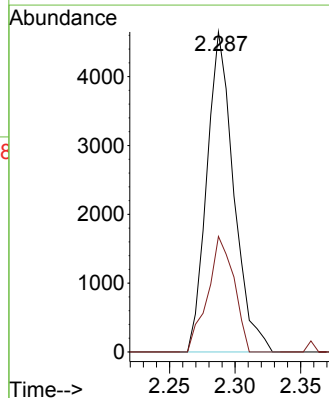
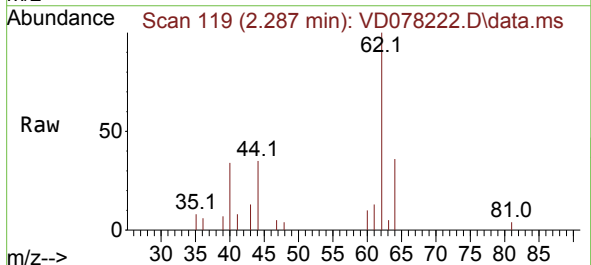
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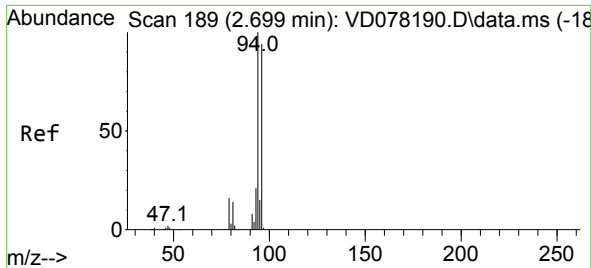
Tgt Ion: 62 Resp: 6632

Ion Ratio Lower Upper

62 100

64 36.1 26.0 39.0

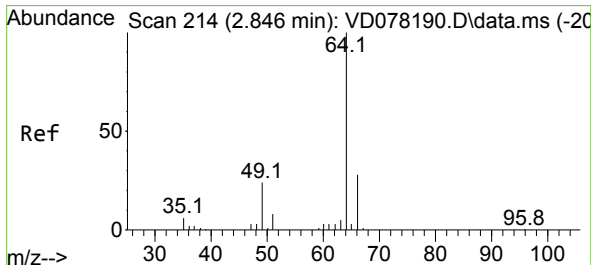
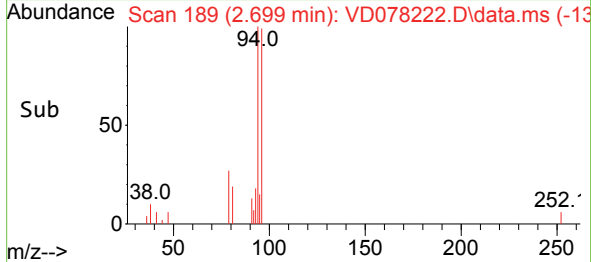
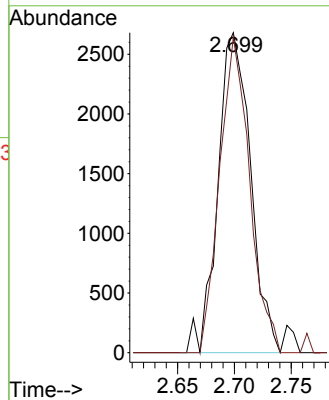
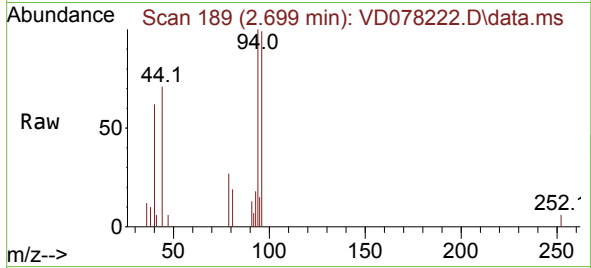




#5
Bromomethane
Concen: 2.733 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

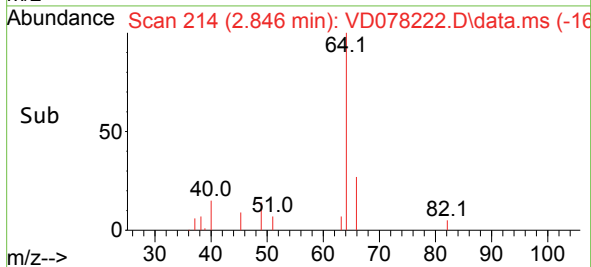
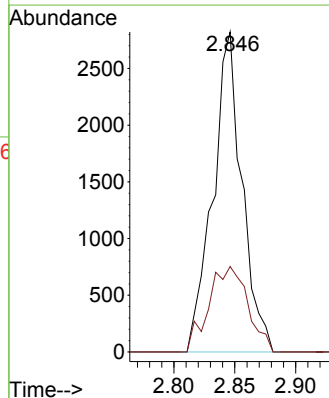
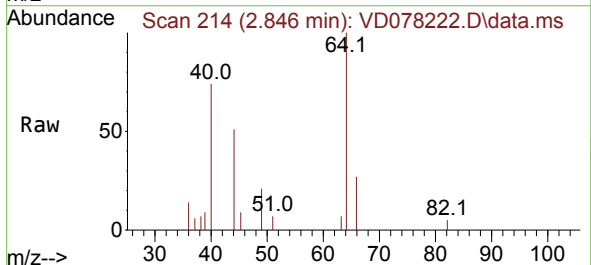
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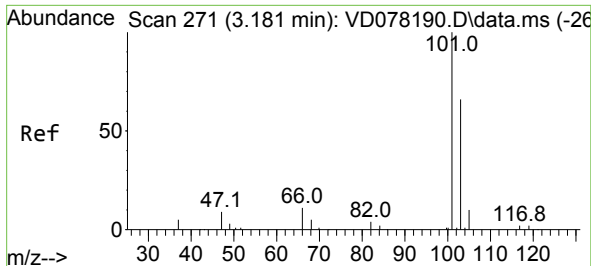
Tgt Ion: 94 Resp: 5366
Ion Ratio Lower Upper
94 100
96 90.4 75.8 113.8



#6
Chloroethane
Concen: 2.491 ug/l
RT: 2.846 min Scan# 214
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 64 Resp: 4683
Ion Ratio Lower Upper
64 100
66 26.7 25.5 38.3

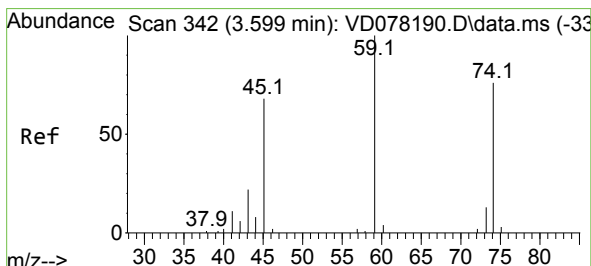
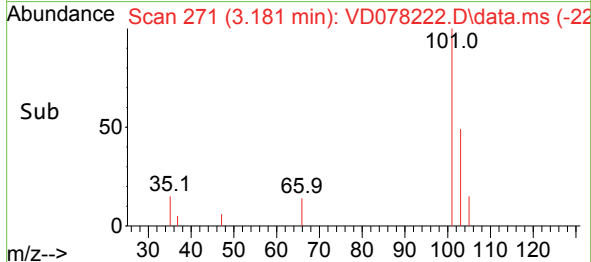
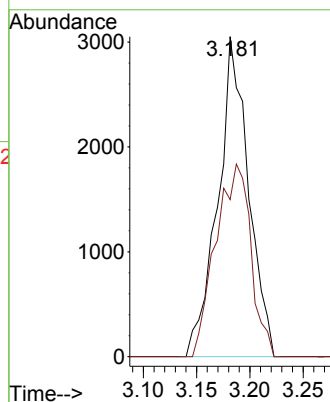
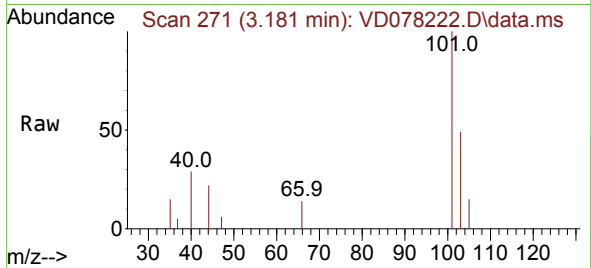




#7
 Trichlorofluoromethane
 Concen: 2.490 ug/l
 RT: 3.181 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD078222.D
 Acq: 24 Jan 2024 14:53

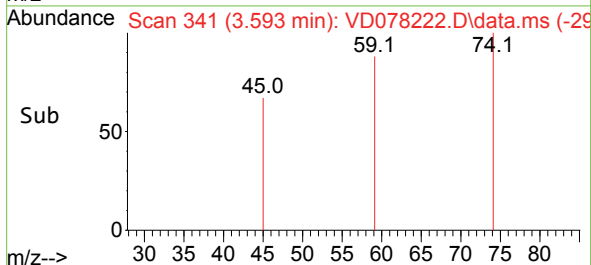
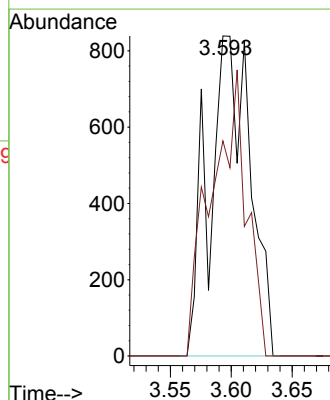
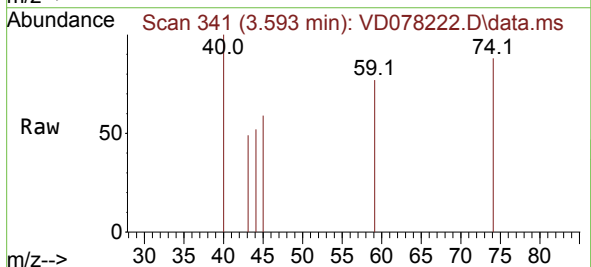
Instrument :
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 MDL-SOIL-03-QT1-2024

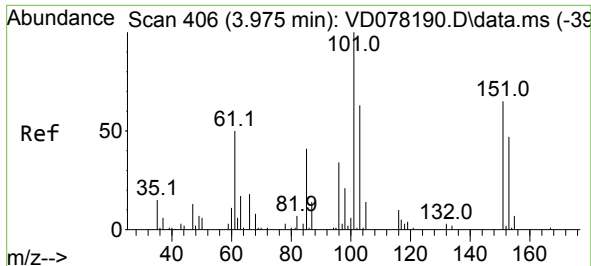
Tgt Ion:101 Resp: 6094
 Ion Ratio Lower Upper
 101 100
 103 49.1 52.3 78.5#



#8
 Diethyl Ether
 Concen: 2.903 ug/l
 RT: 3.593 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VD078222.D
 Acq: 24 Jan 2024 14:53

Tgt Ion: 74 Resp: 1970
 Ion Ratio Lower Upper
 74 100
 45 76.1 37.5 112.7

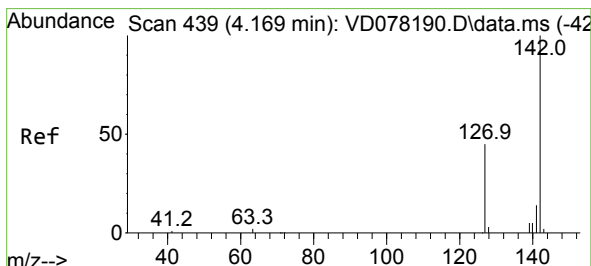
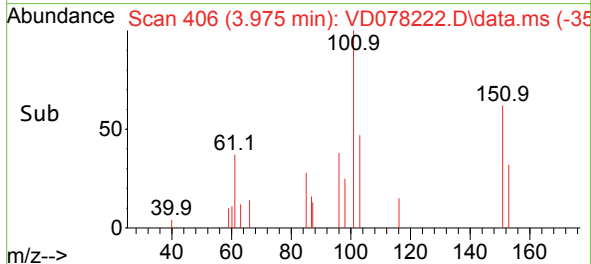
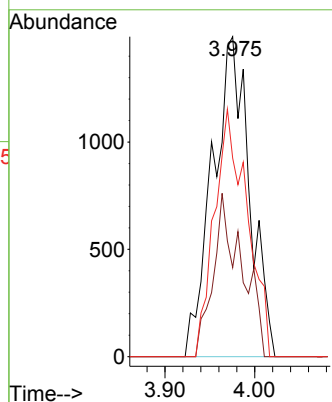
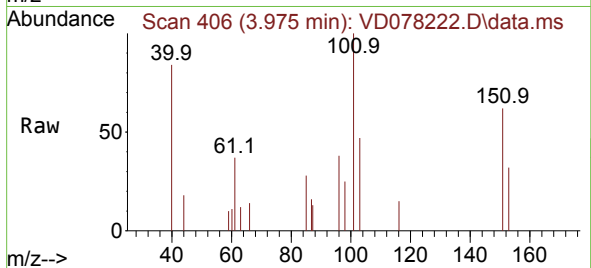




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.991 ug/l
RT: 3.975 min Scan# 406
Delta R.T. 0.000 min
Lab File: VD078222.D
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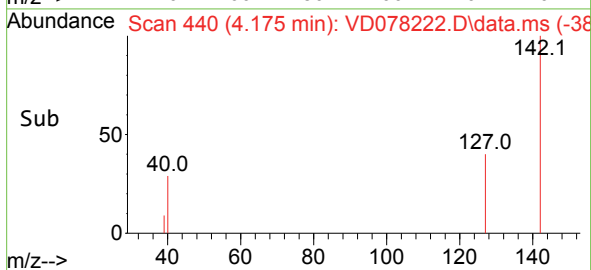
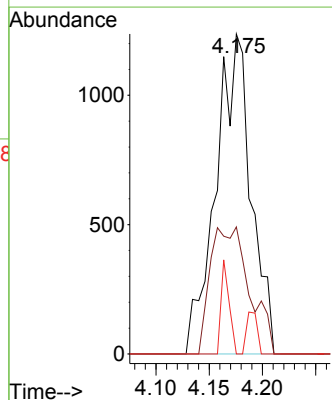
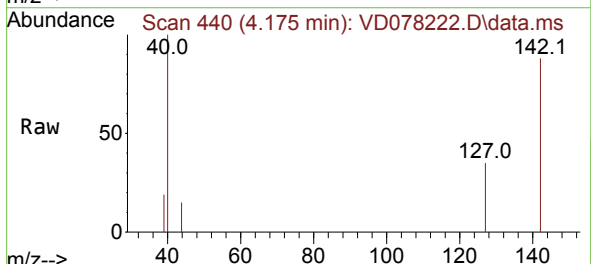
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

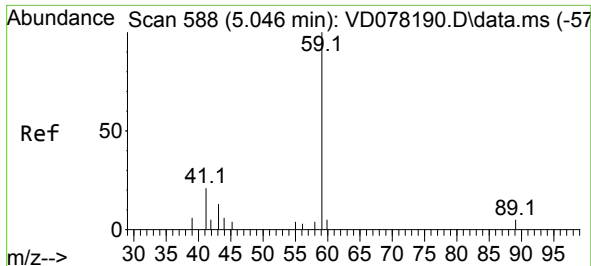
Tgt Ion:	101	Resp:	4240
Ion	Ratio	Lower	Upper
101	100		
85	39.6	33.8	50.6
151	68.9	59.8	89.6



#10
Methyl Iodide
Concen: 1.999 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion:	142	Resp:	2841
Ion	Ratio	Lower	Upper
142	100		
127	44.1	29.4	44.0#
141	4.0	11.1	16.7#

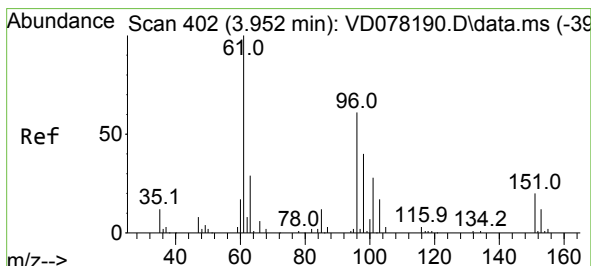
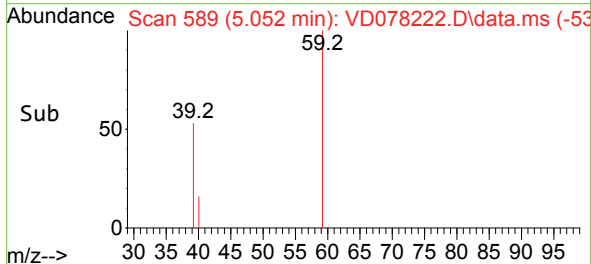
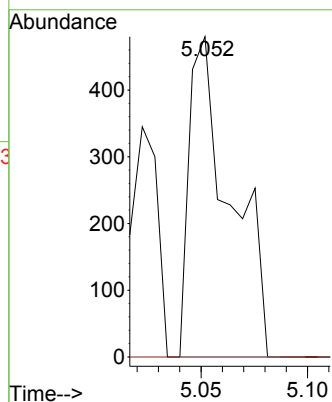
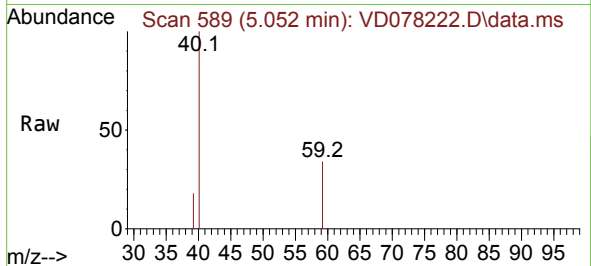




#11
Tert butyl alcohol
Concen: 10.161 ug/l
RT: 5.052 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

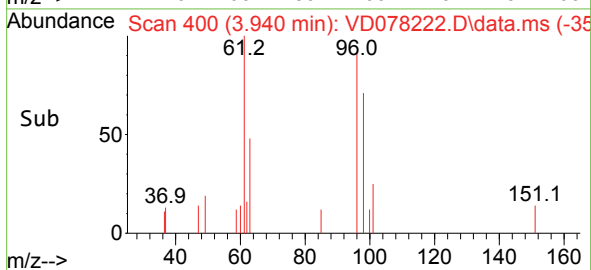
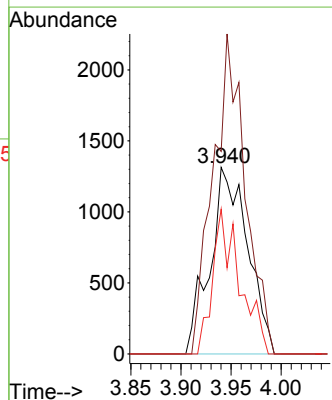
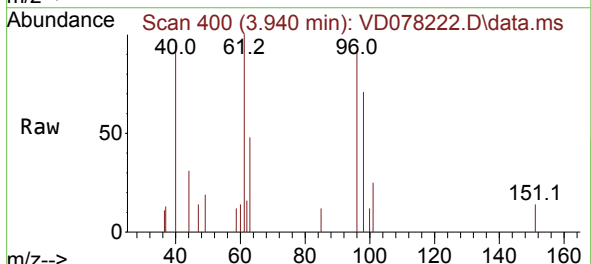
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

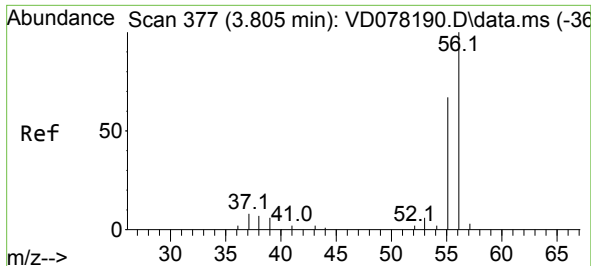
Tgt Ion: 59 Resp: 648
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 2.454 ug/l
RT: 3.940 min Scan# 400
Delta R.T. -0.012 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 96 Resp: 3446
Ion Ratio Lower Upper
96 100
61 108.6 100.6 150.8
98 77.6 50.2 75.2#

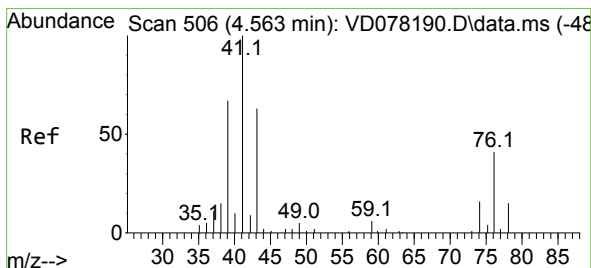
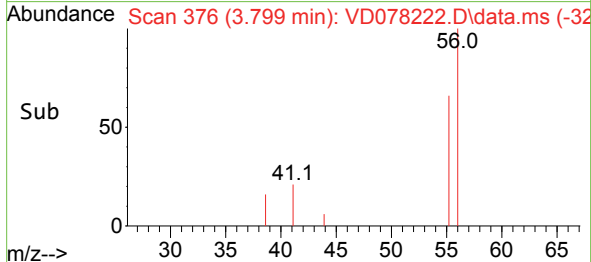
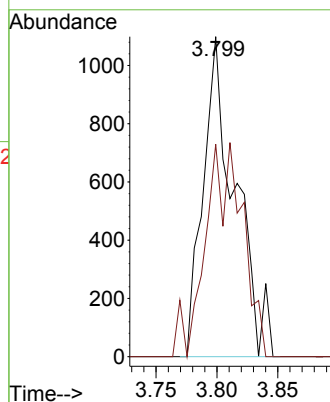
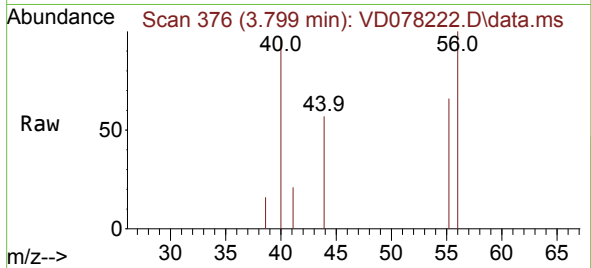




#13
Acrolein
Concen: 13.674 ug/l
RT: 3.799 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

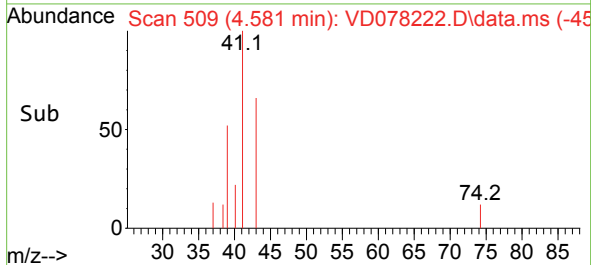
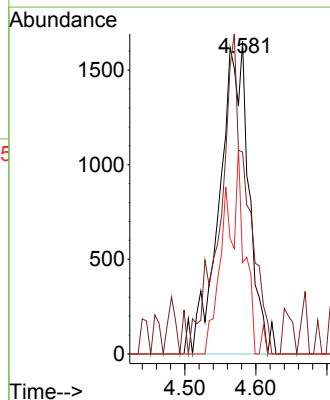
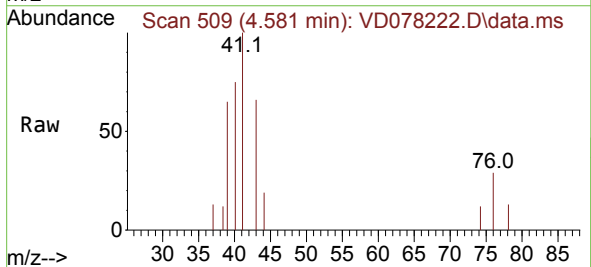
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

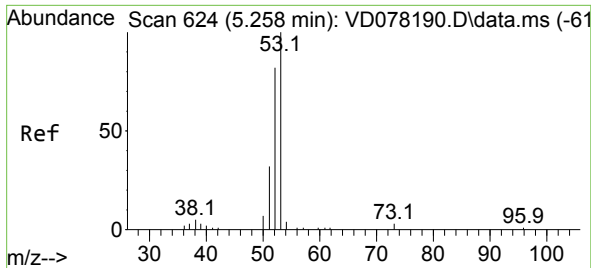
Tgt Ion: 56 Resp: 2002
Ion Ratio Lower Upper
56 100
55 40.7 55.1 82.7#



#14
Allyl chloride
Concen: 2.565 ug/l
RT: 4.581 min Scan# 509
Delta R.T. 0.018 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 41 Resp: 4751
Ion Ratio Lower Upper
41 100
39 92.9 53.8 80.6#
76 0.0 45.8 68.8#

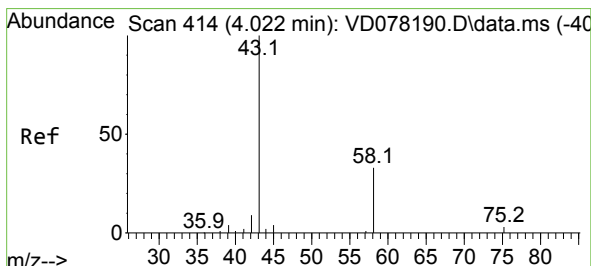
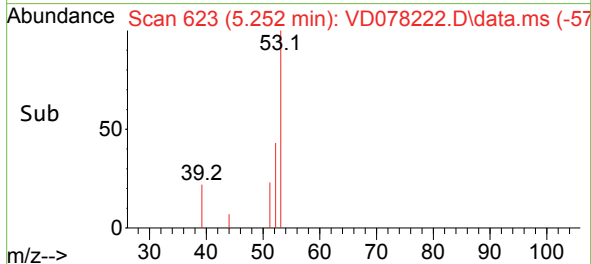
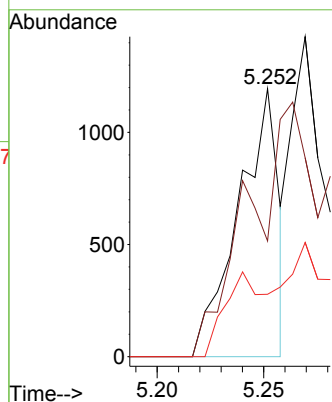
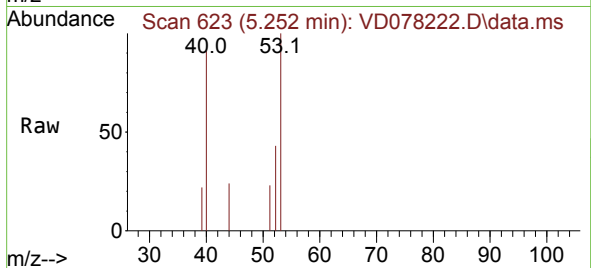




#15
Acrylonitrile
Concen: 5.140 ug/l
RT: 5.252 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

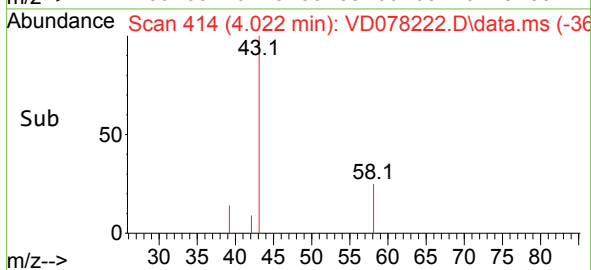
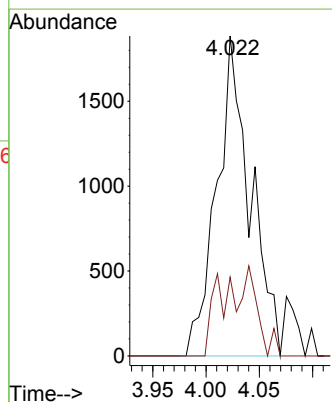
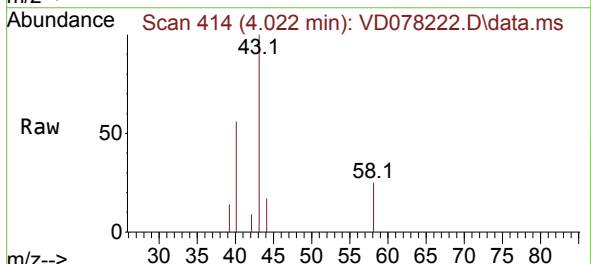
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

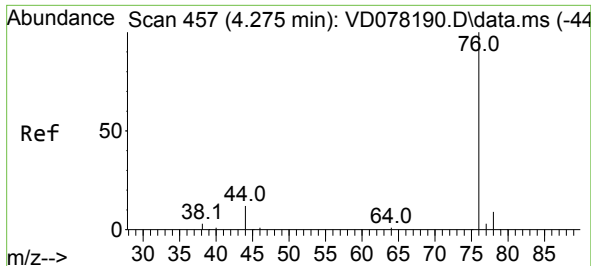
Tgt Ion: 53 Resp: 1565
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 30.9 28.3 42.5



#16
Acetone
Concen: 10.671 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 43 Resp: 4121
Ion Ratio Lower Upper
43 100
58 24.6 34.7 52.1#

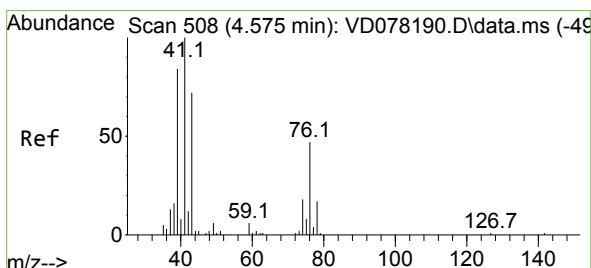
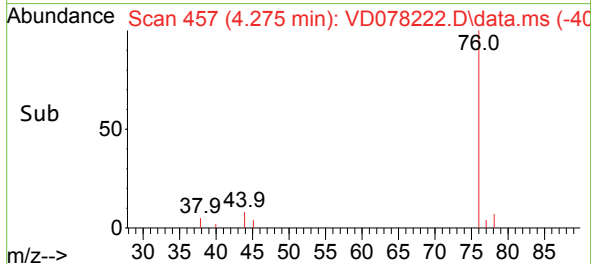
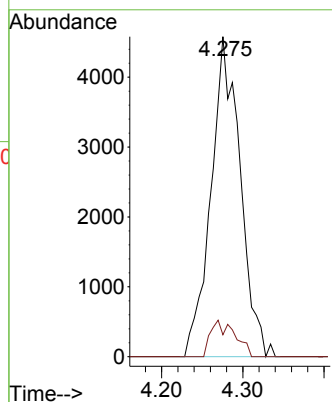
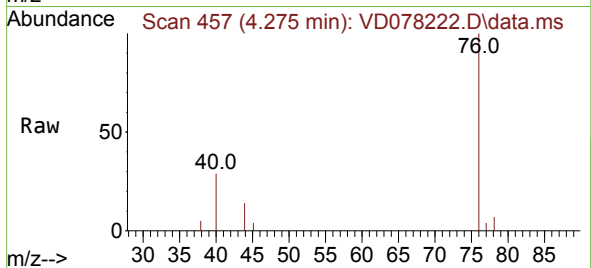




#17
Carbon Disulfide
Concen: 2.516 ug/l
RT: 4.275 min Scan# 411
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

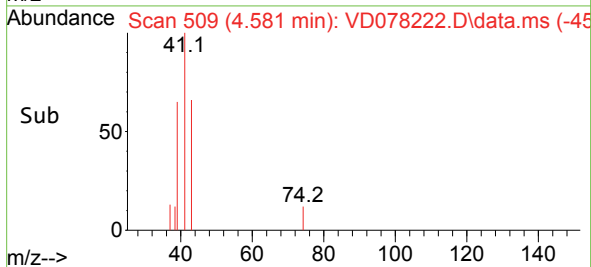
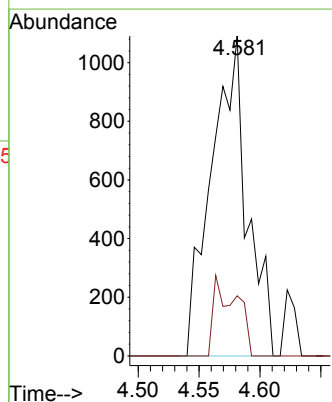
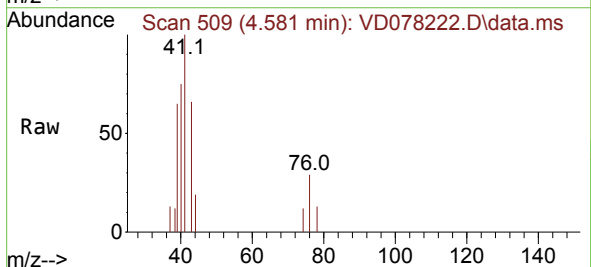
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

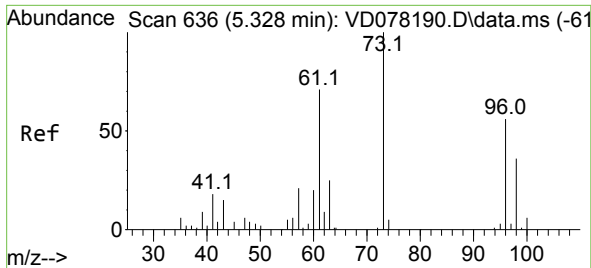
Tgt Ion: 76 Resp: 11457
Ion Ratio Lower Upper
76 100
78 6.9 6.8 10.2



#18
Methyl Acetate
Concen: 2.005 ug/l
RT: 4.581 min Scan# 509
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 43 Resp: 2235
Ion Ratio Lower Upper
43 100
74 15.8 26.4 39.6#





#19

Methyl tert-butyl Ether

Concen: 2.184 ug/l

RT: 5.322 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

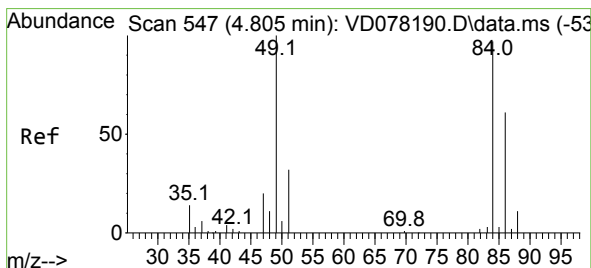
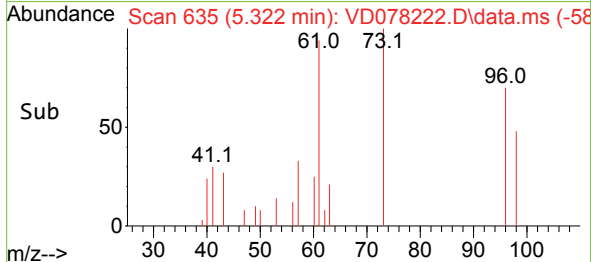
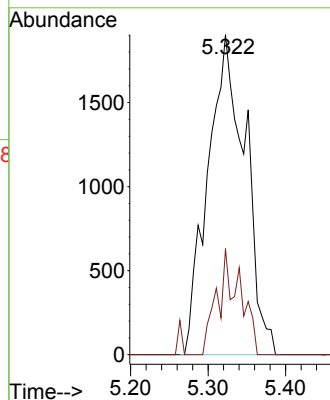
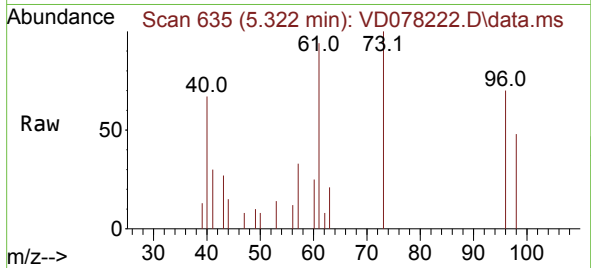
MDL-SOIL-03-QT1-2024

Tgt Ion: 73 Resp: 6396

Ion Ratio Lower Upper

73 100

57 33.1 16.6 25.0#



#20

Methylene Chloride

Concen: 4.494 ug/l

RT: 4.811 min Scan# 548

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Tgt Ion: 84 Resp: 8540

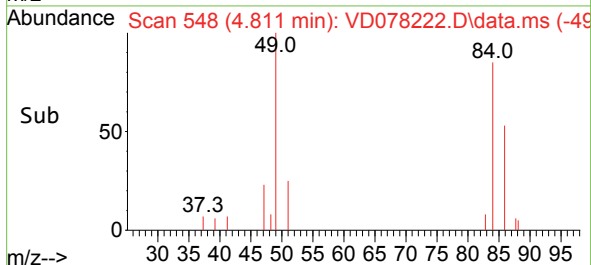
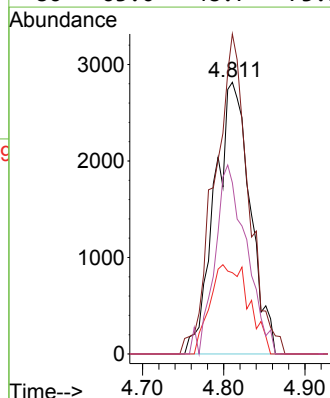
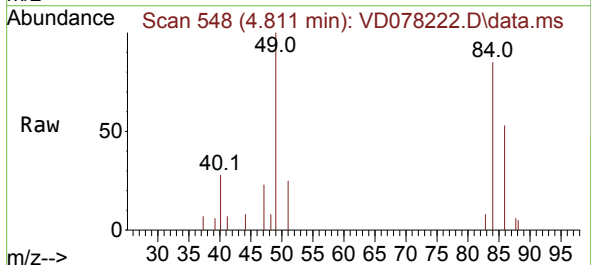
Ion Ratio Lower Upper

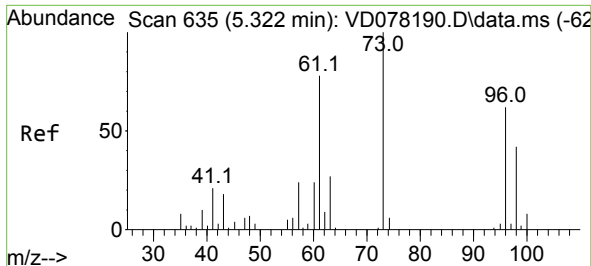
84 100

49 117.8 71.4 107.2#

51 29.9 24.5 36.7

86 63.0 48.7 73.1

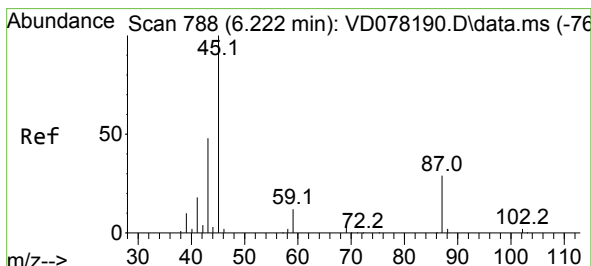
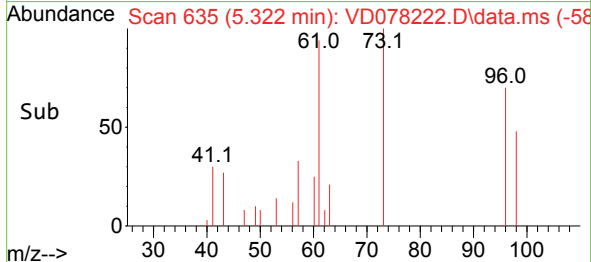
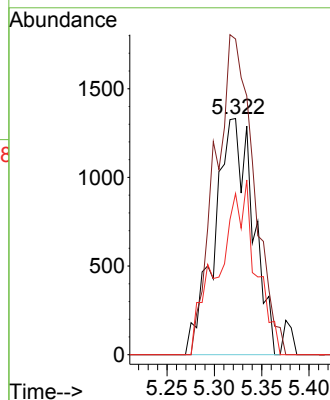
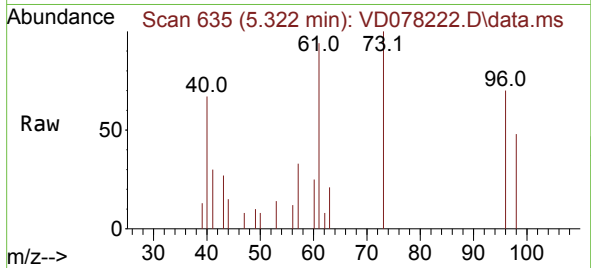




#21
trans-1,2-Dichloroethene
Concen: 2.327 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

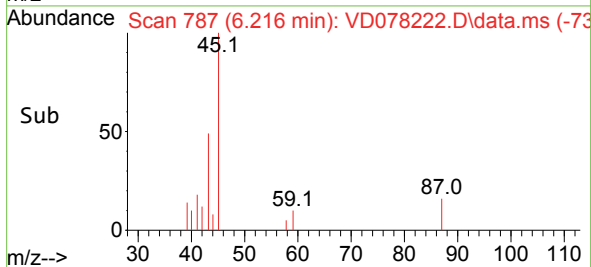
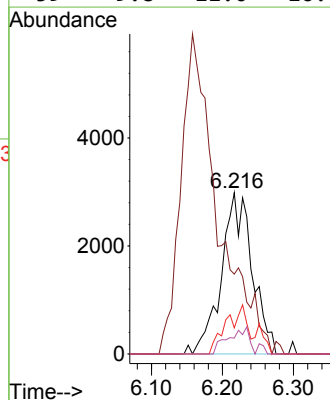
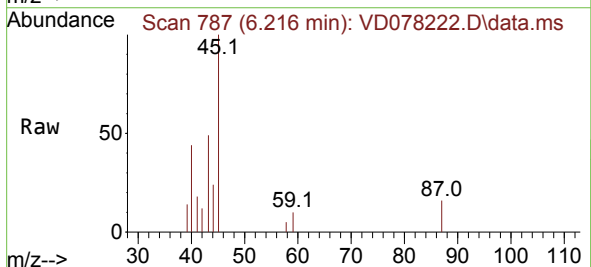
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

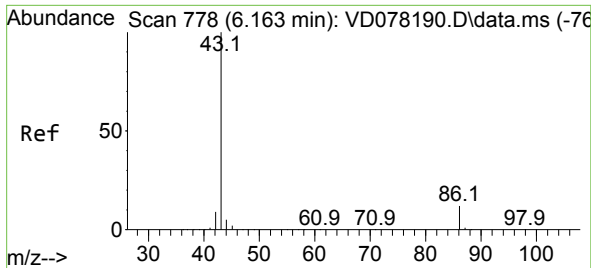
Tgt Ion: 96 Resp: 3776
Ion Ratio Lower Upper
96 100
61 133.7 89.3 133.9
98 68.2 48.6 73.0



#22
Diisopropyl ether
Concen: 2.304 ug/l
RT: 6.216 min Scan# 787
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 45 Resp: 9030
Ion Ratio Lower Upper
45 100
43 44.0 40.0 60.0
87 16.1 28.2 42.4#
59 9.8 11.0 16.4#





#23

Vinyl Acetate

Concen: 11.006 ug/l

RT: 6.158 min Scan# 777

Delta R.T. -0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

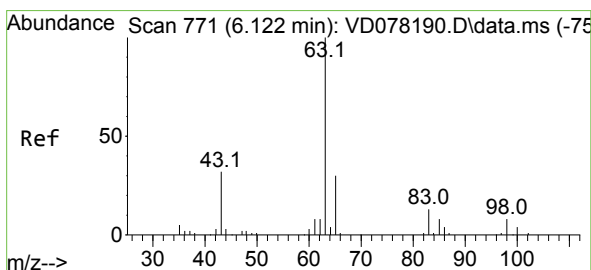
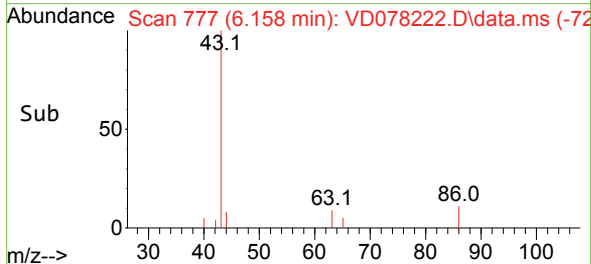
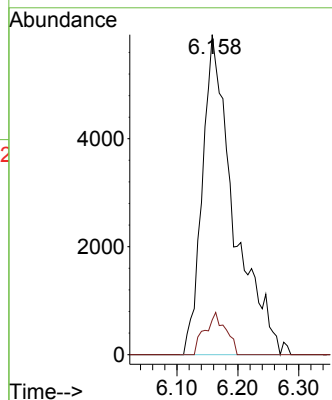
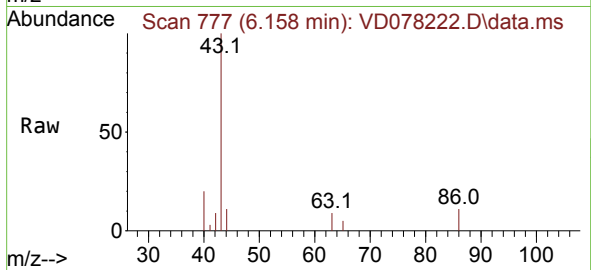
MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 21254

Ion Ratio Lower Upper

43 100

86 10.8 12.5 18.7#



#24

1,1-Dichloroethane

Concen: 2.672 ug/l

RT: 6.122 min Scan# 771

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

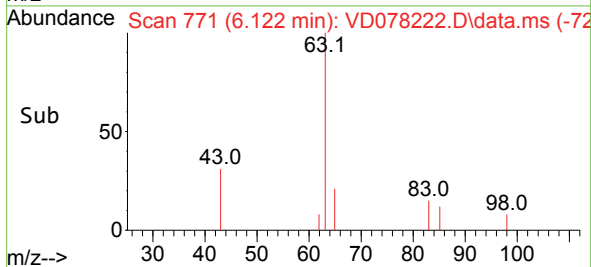
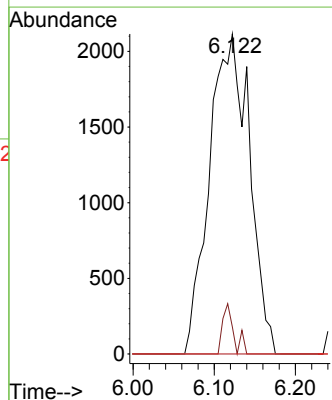
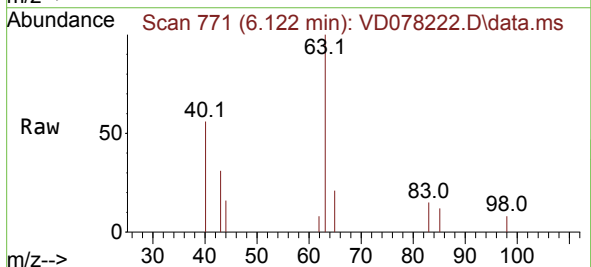
Tgt Ion: 63 Resp: 7236

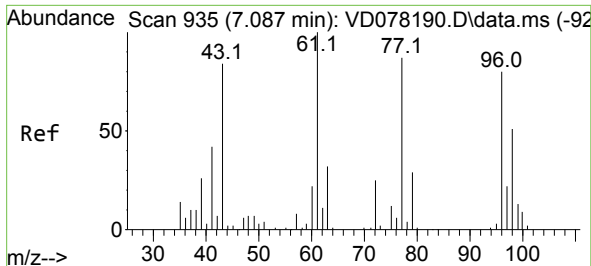
Ion Ratio Lower Upper

63 100

98 8.5 4.5 13.7

100 0.0 2.5 7.5#

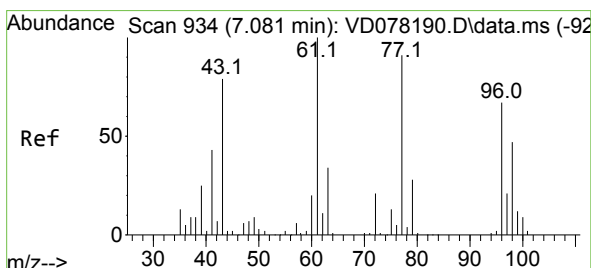
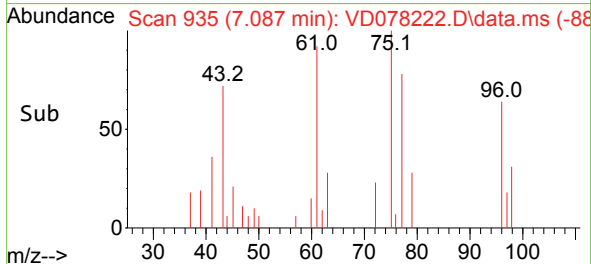
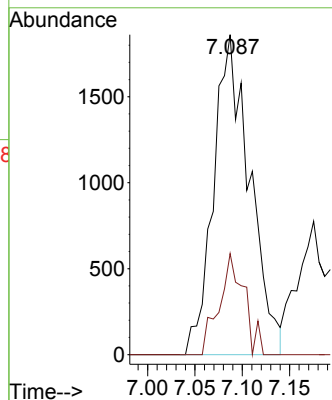
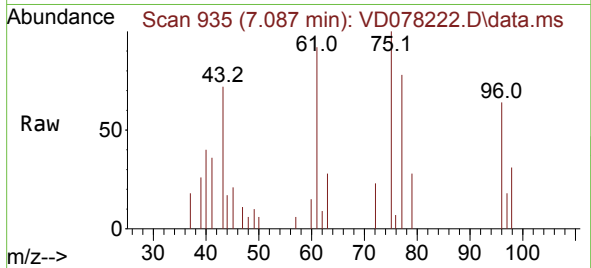




#25
2-Butanone
Concen: 10.841 ug/l
RT: 7.087 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

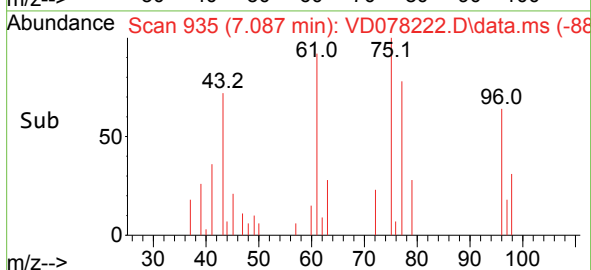
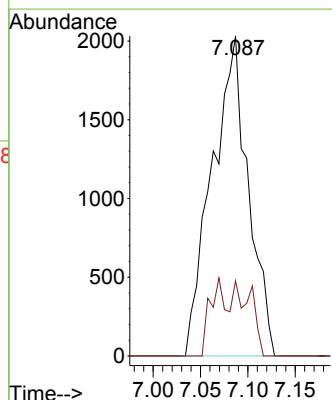
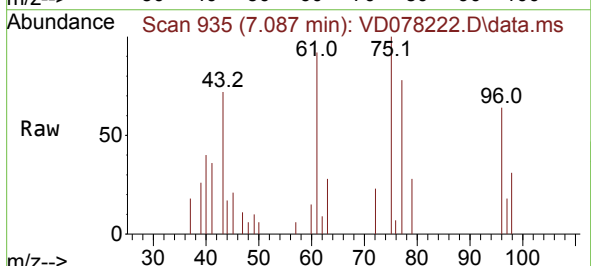
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

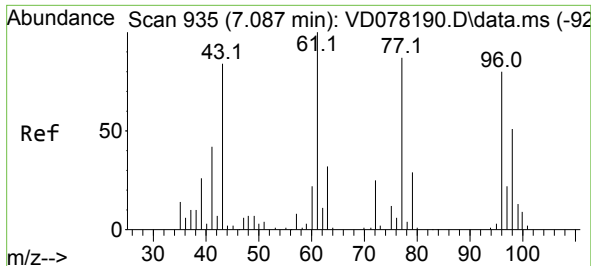
Tgt Ion: 43 Resp: 4947
Ion Ratio Lower Upper
43 100
72 31.6 30.7 46.1



#26
2,2-Dichloropropane
Concen: 2.384 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 77 Resp: 5410
Ion Ratio Lower Upper
77 100
97 11.3 13.2 39.6#

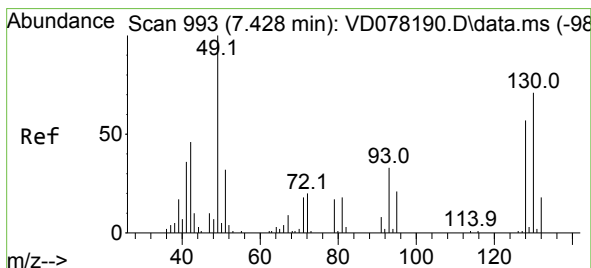
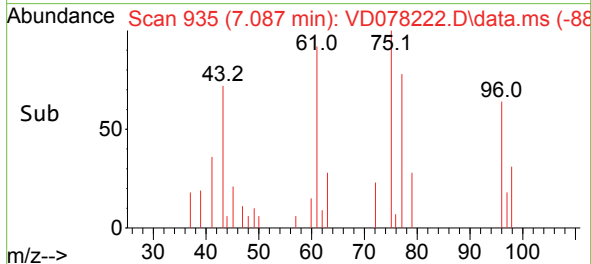
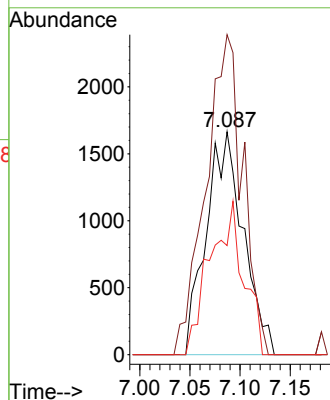
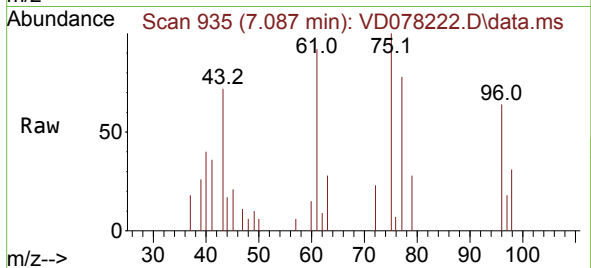




#27
 cis-1,2-Dichloroethene
 Concen: 2.456 ug/l
 RT: 7.087 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD078222.D
 Acq: 24 Jan 2024 14:53

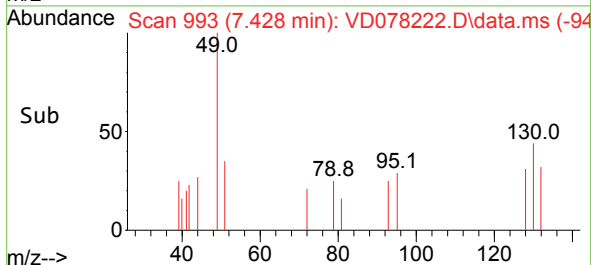
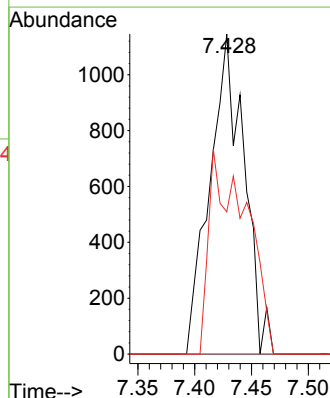
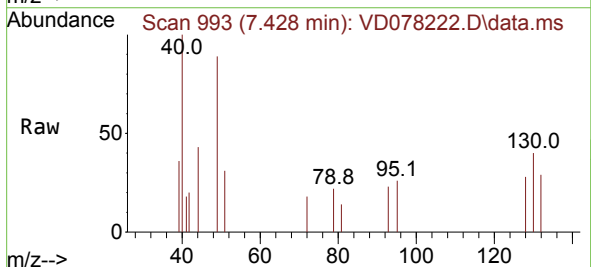
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

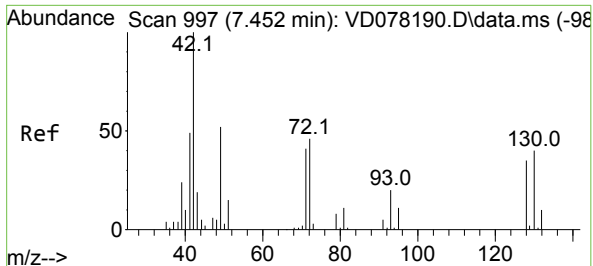
Tgt Ion: 96	Resp: 4281
Ion Ratio	Lower Upper
96 100	
61 143.2	0.0 239.2
98 62.0	0.0 128.6



#28
 Bromochloromethane
 Concen: 2.270 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VD078222.D
 Acq: 24 Jan 2024 14:53

Tgt Ion: 49	Resp: 2398
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 6.0
130 31.2	83.2 124.8#





#29

Tetrahydrofuran

Concen: 13.031 ug/l

RT: 7.458 min Scan# 997

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

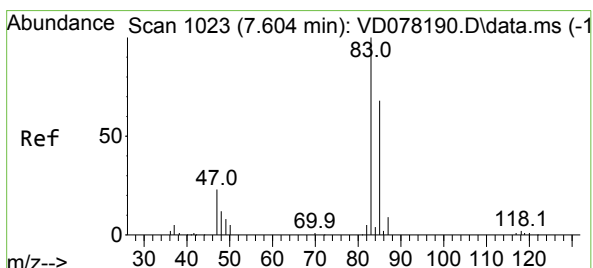
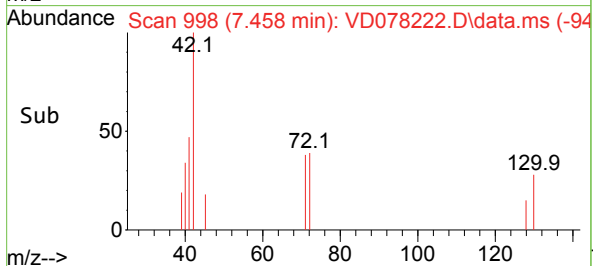
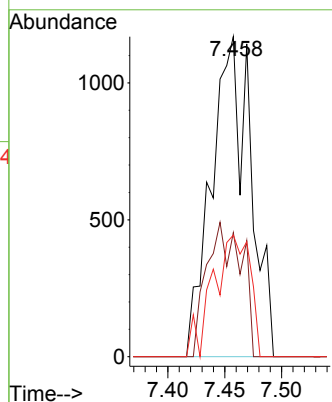
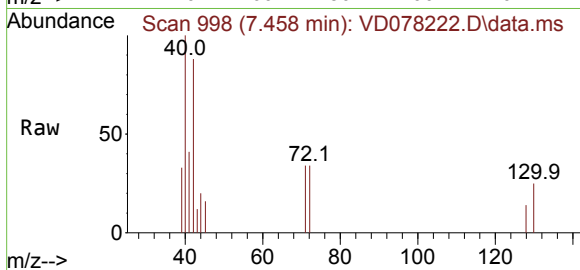
Tgt Ion: 42 Resp: 2785

Ion Ratio Lower Upper

42 100

72 37.4 46.5 69.7#

71 36.2 44.5 66.7#



#30

Chloroform

Concen: 2.674 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VD078222.D

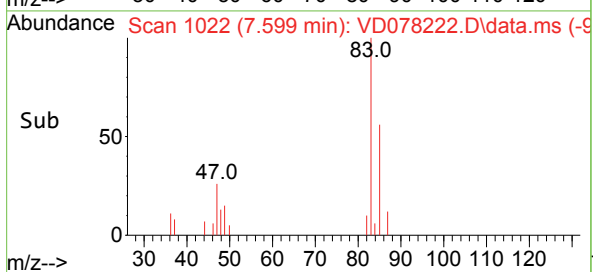
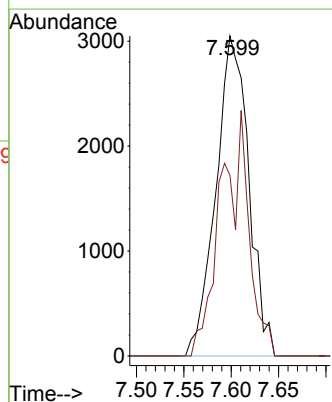
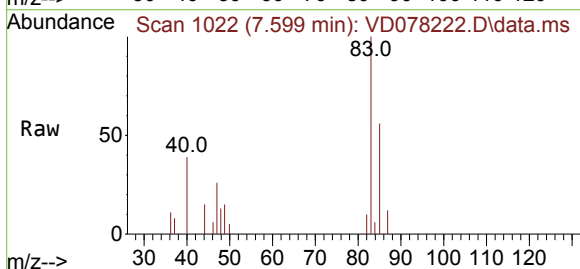
Acq: 24 Jan 2024 14:53

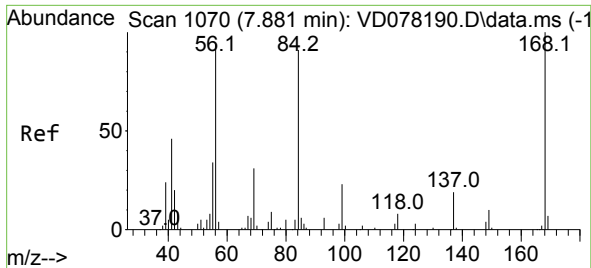
Tgt Ion: 83 Resp: 7365

Ion Ratio Lower Upper

83 100

85 56.5 53.4 80.2

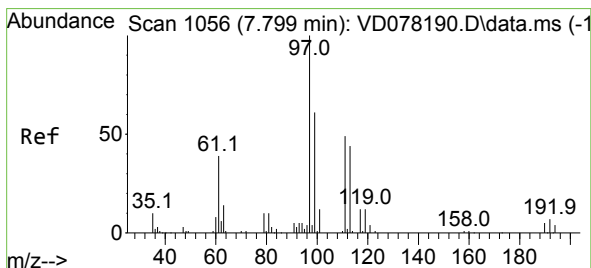
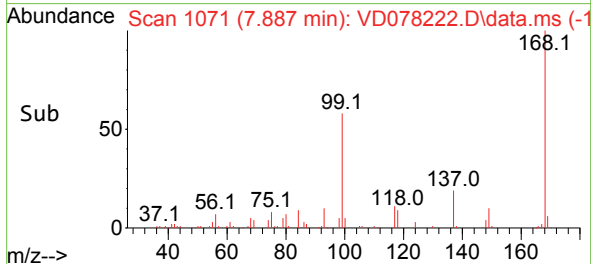
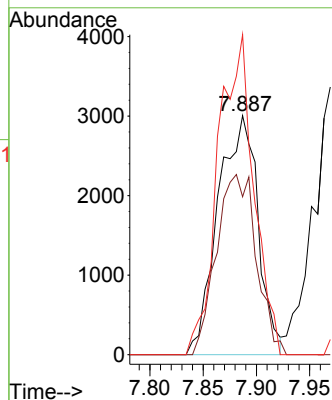
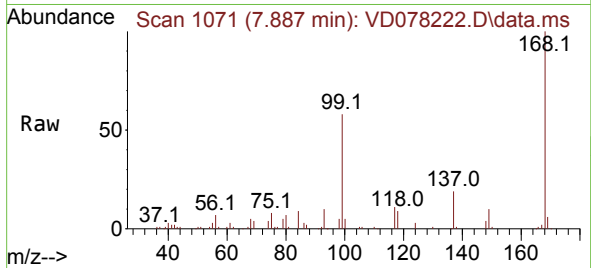




#31
Cyclohexane
Concen: 3.266 ug/l
RT: 7.887 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

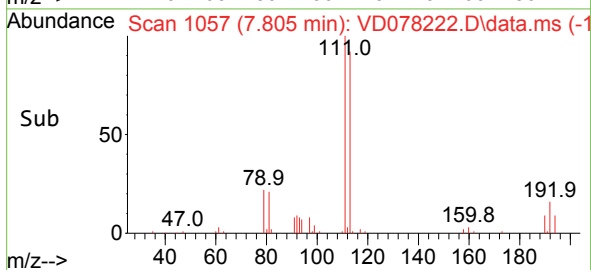
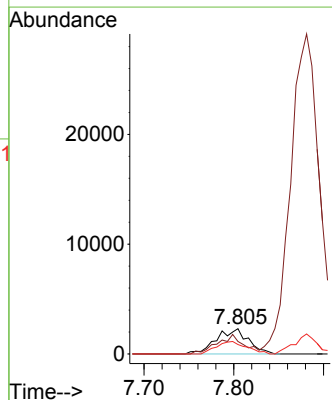
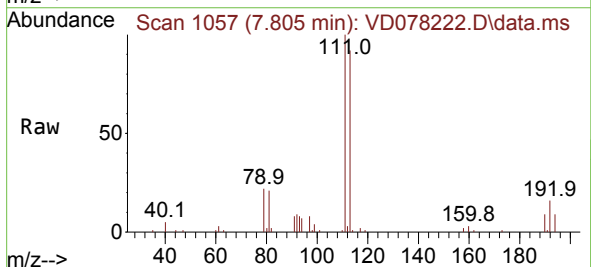
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

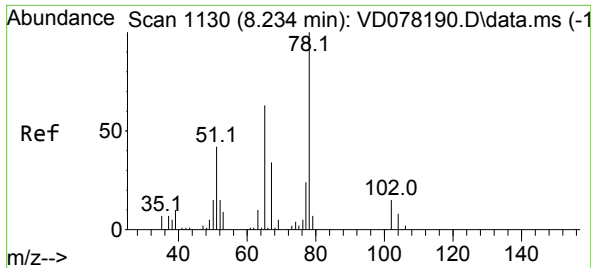
Tgt Ion: 56 Resp: 7823
Ion Ratio Lower Upper
56 100
69 66.0 28.6 43.0#
84 133.9 84.8 127.2#



#32
1,1,1-Trichloroethane
Concen: 2.396 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 97 Resp: 5700
Ion Ratio Lower Upper
97 100
99 63.9 52.0 78.0
61 46.7 33.8 50.8

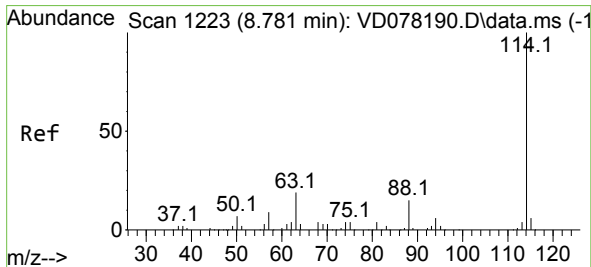
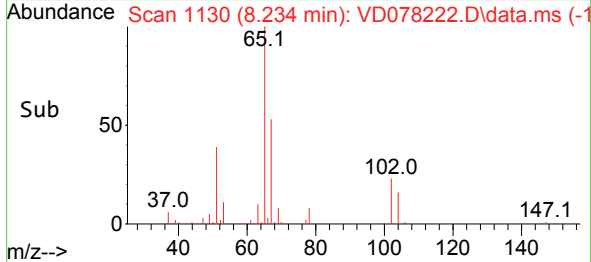
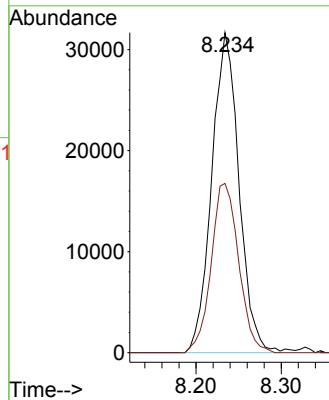
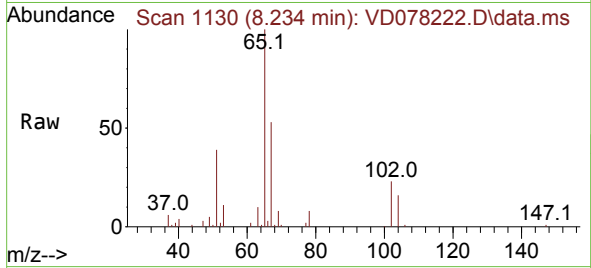




#33
1,2-Dichloroethane-d4
Concen: 54.119 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

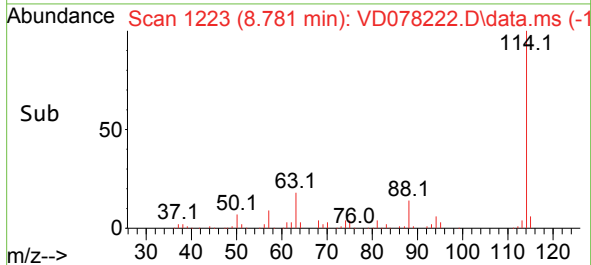
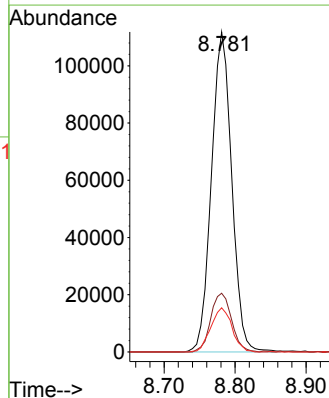
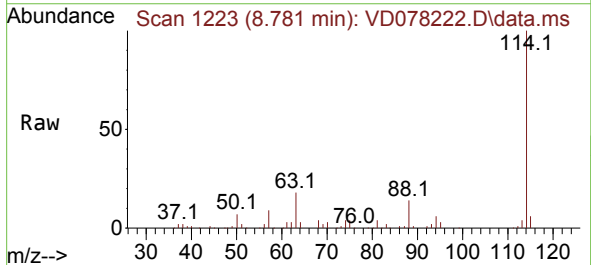
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

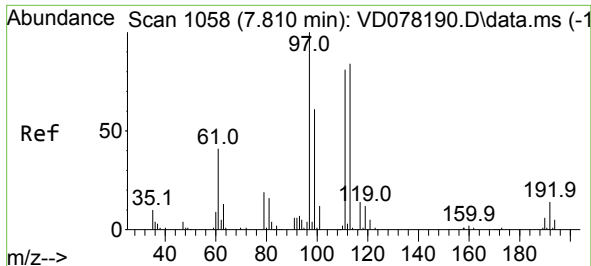
Tgt Ion: 65 Resp: 70108
Ion Ratio Lower Upper
65 100
67 53.5 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 114 Resp: 221801
Ion Ratio Lower Upper
114 100
63 18.4 0.0 33.4
88 13.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 49.248 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.000 min

Lab File: VD078222.D

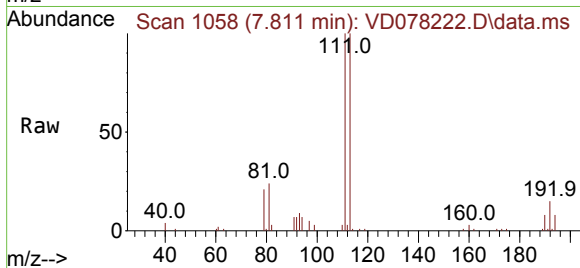
Acq: 24 Jan 2024 14:53

Instrument :

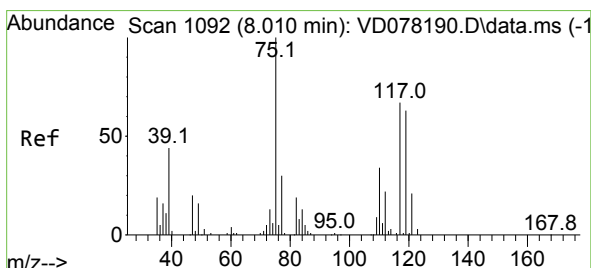
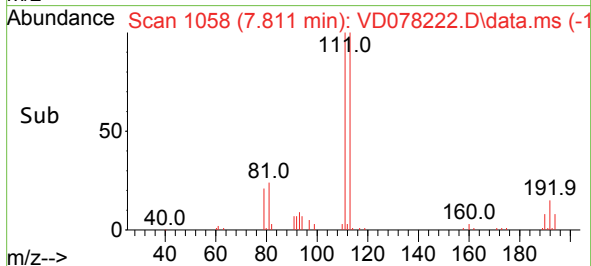
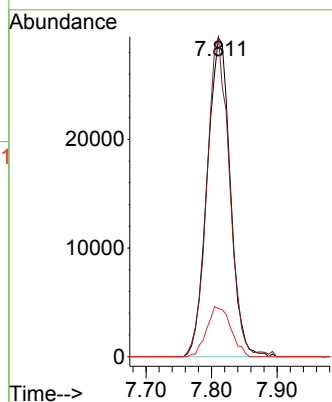
MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:	113	Resp:	71890
Ion Ratio	Lower	Upper	
113	100		
111	98.6	84.7	127.1
192	16.4	16.8	25.2#



#36

1,1-Dichloropropene

Concen: 2.157 ug/l

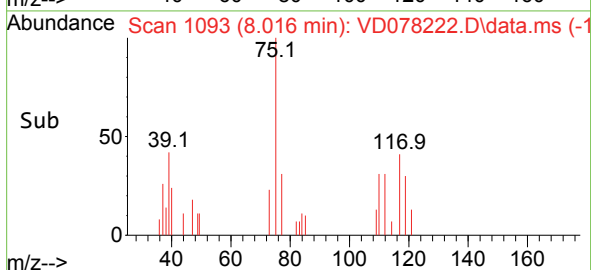
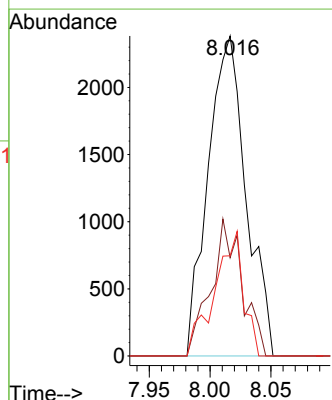
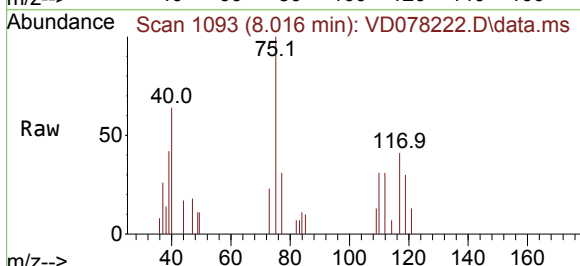
RT: 8.016 min Scan# 1093

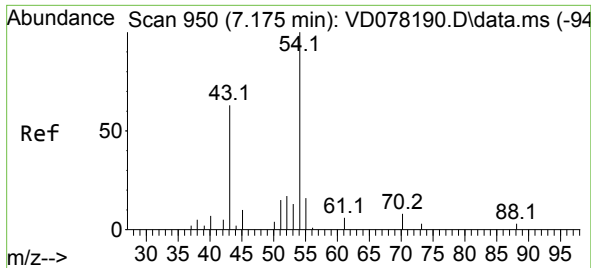
Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Tgt Ion:	75	Resp:	5179
Ion Ratio	Lower	Upper	
75	100		
110	35.1	19.9	59.6
77	29.6	24.7	37.1

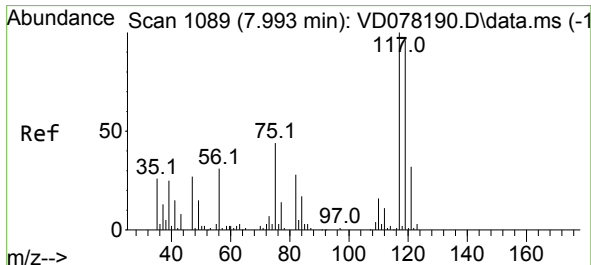
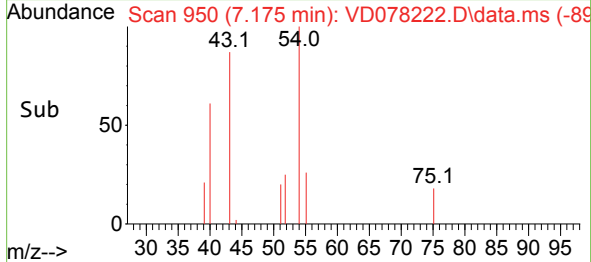
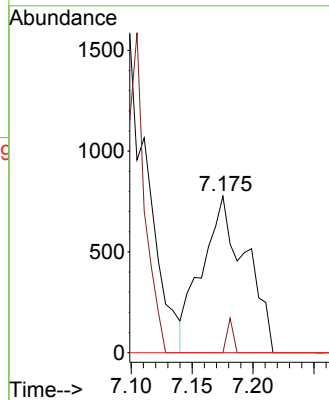
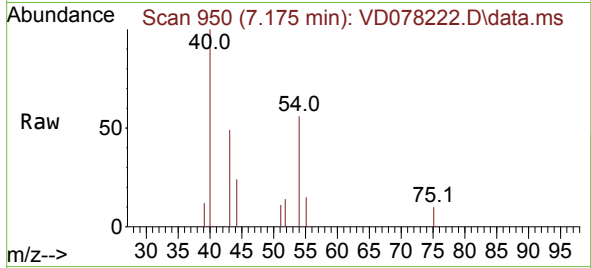




#37
Ethyl Acetate
Concen: 2.170 ug/l
RT: 7.175 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

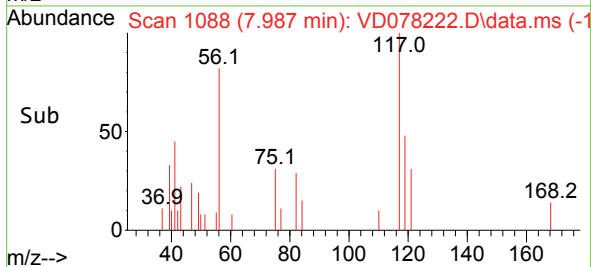
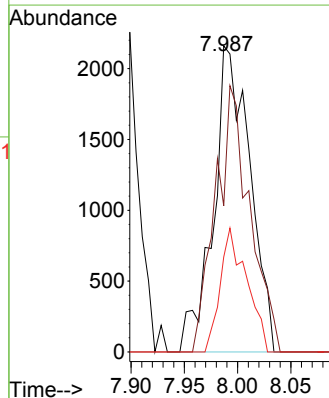
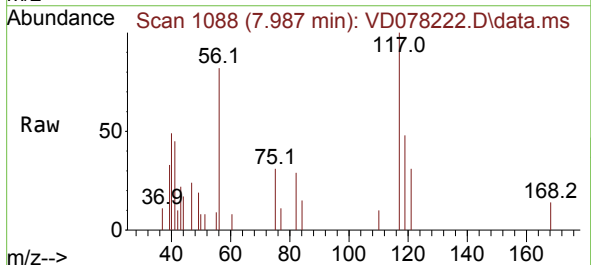
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

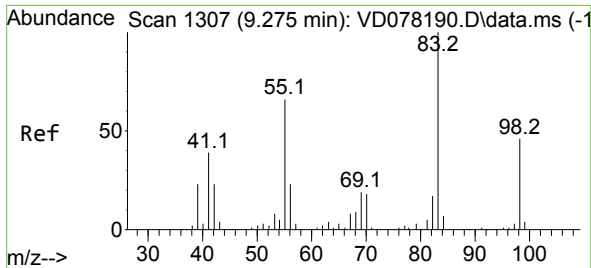
Tgt Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#



#38
Carbon Tetrachloride
Concen: 2.169 ug/l
RT: 7.987 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 117 Resp: 5142
Ion Ratio Lower Upper
117 100
119 47.7 78.0 117.0#
121 31.0 24.2 36.2

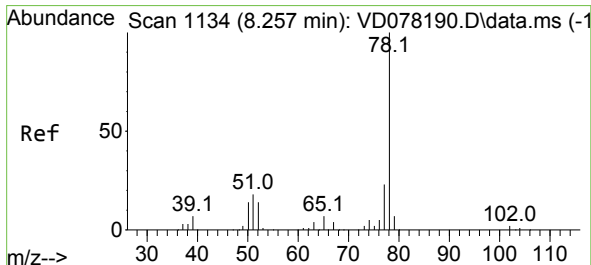
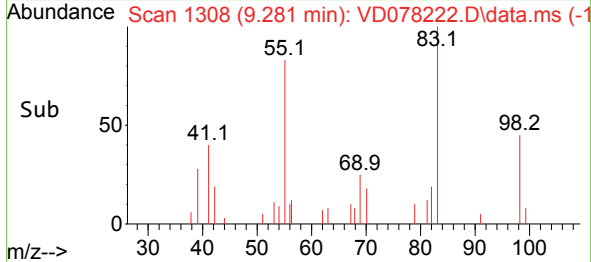
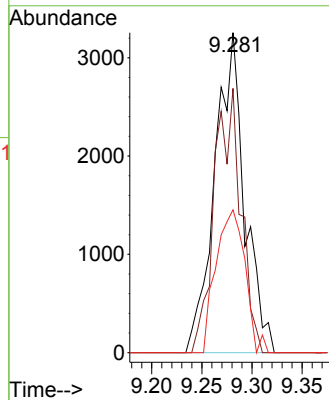
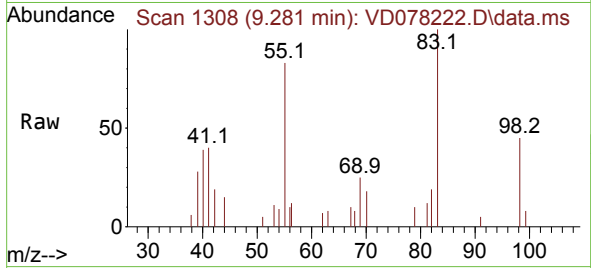




#39
Methylcyclohexane
Concen: 2.369 ug/l
RT: 9.281 min Scan# 1138
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

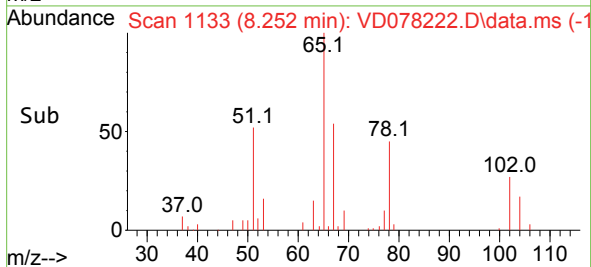
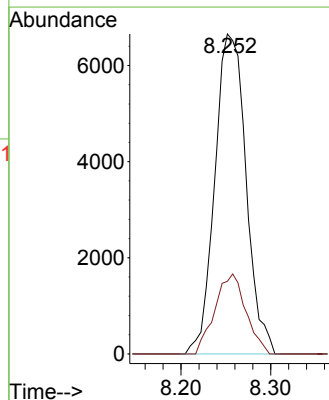
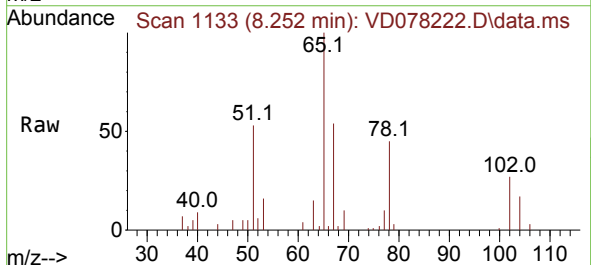
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

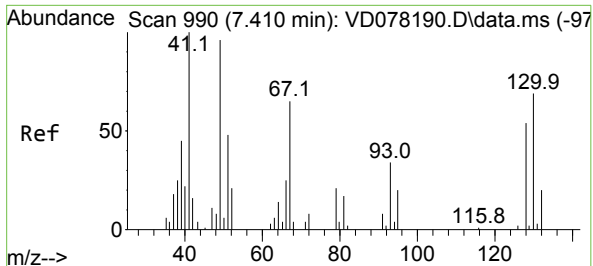
Tgt Ion: 83 Resp: 6725
Ion Ratio Lower Upper
83 100
55 82.6 49.4 74.0#
98 44.7 38.4 57.6



#40
Benzene
Concen: 2.359 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

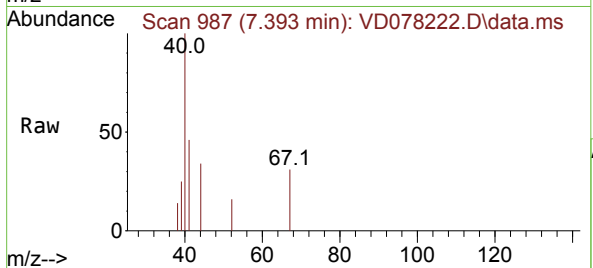
Tgt Ion: 78 Resp: 16070
Ion Ratio Lower Upper
78 100
77 22.7 19.4 29.0



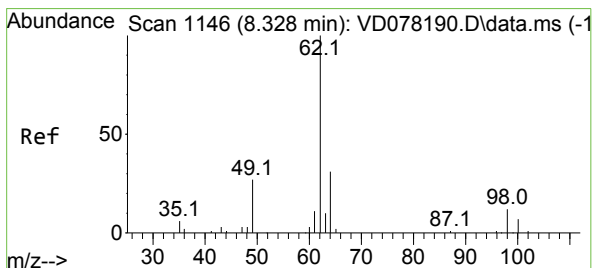
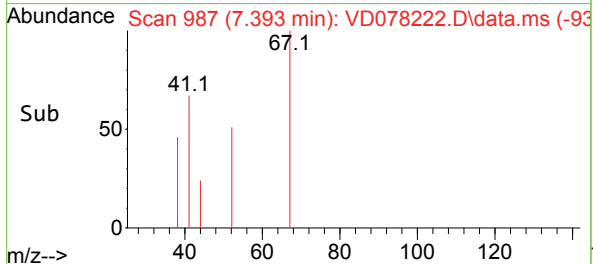
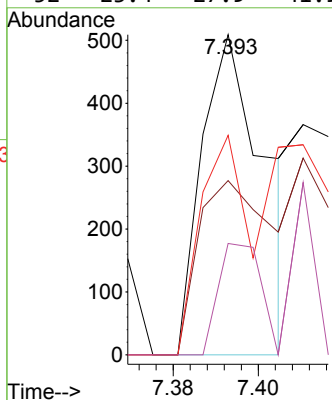


#41
Methacrylonitrile
Concen: 1.072 ug/l
RT: 7.393 min Scan# 91
Delta R.T. -0.018 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

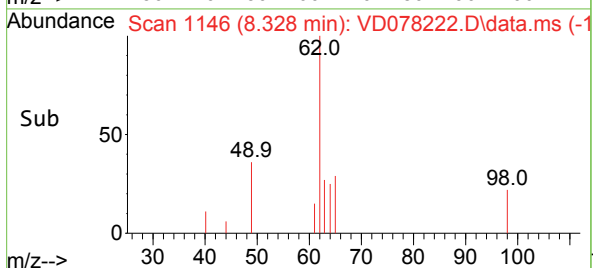
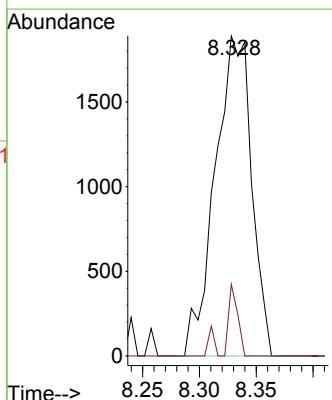
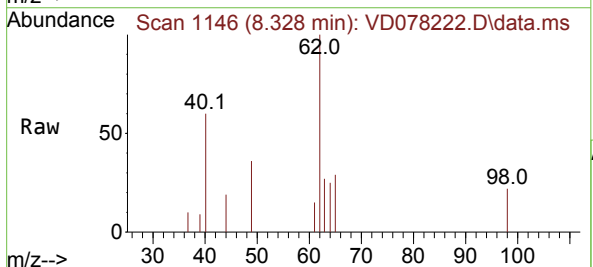


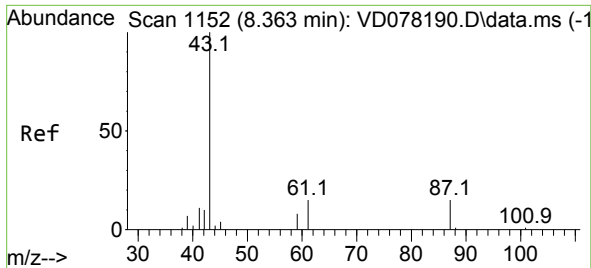
Tgt Ion:	41	Resp:	526
Ion	Ratio	Lower	Upper
41	100		
39	62.9	34.0	51.0#
67	51.1	77.0	115.4#
52	23.4	27.9	41.9#



#42
1,2-Dichloroethane
Concen: 2.377 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion:	62	Resp:	4213
Ion	Ratio	Lower	Upper
62	100		
98	5.5	0.0	25.4

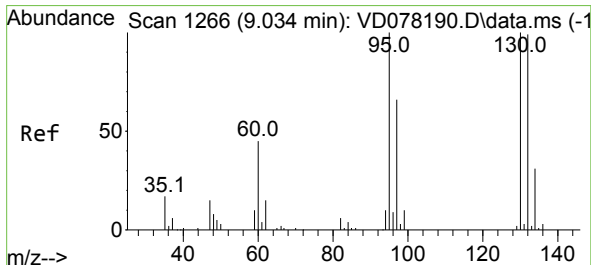
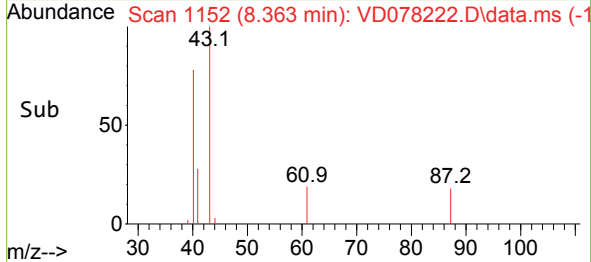
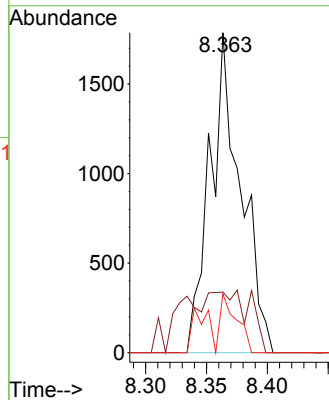
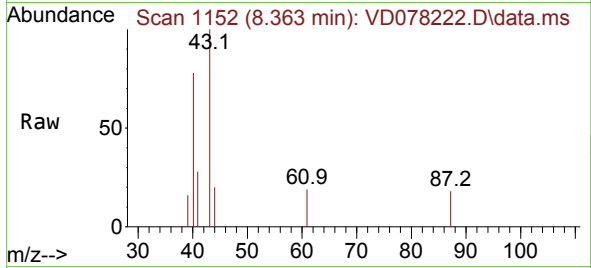




#43
Isopropyl Acetate
Concen: 1.917 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

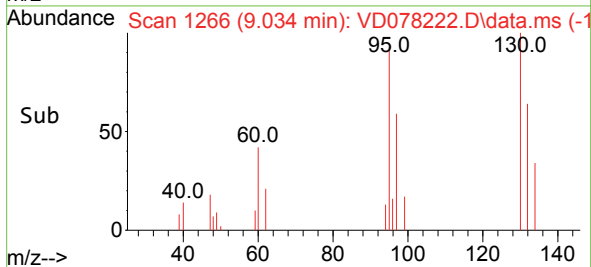
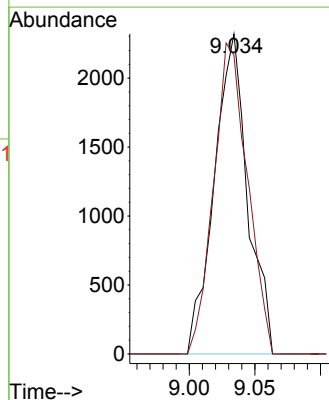
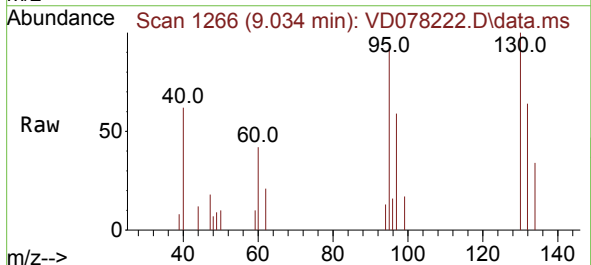
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

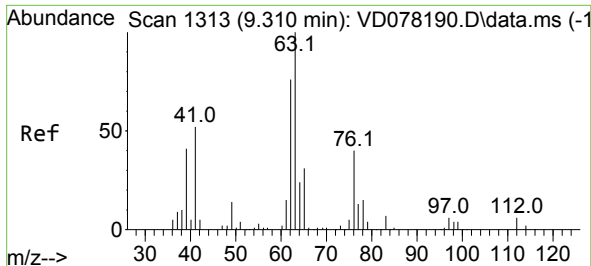
Tgt Ion: 43 Resp: 3139
Ion Ratio Lower Upper
43 100
61 26.1 31.4 47.0#
87 9.9 14.9 22.3#



#44
Trichloroethene
Concen: 2.352 ug/l
RT: 9.034 min Scan# 1266
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion:130 Resp: 4099
Ion Ratio Lower Upper
130 100
95 93.4 0.0 179.2





#45

1,2-Dichloropropane

Concen: 2.142 ug/l

RT: 9.310 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

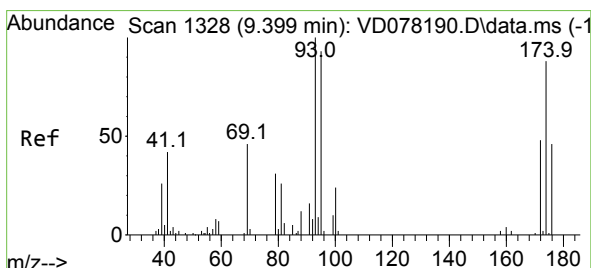
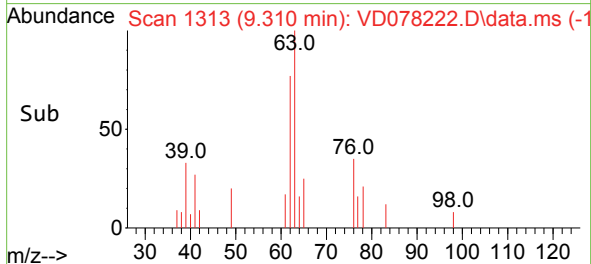
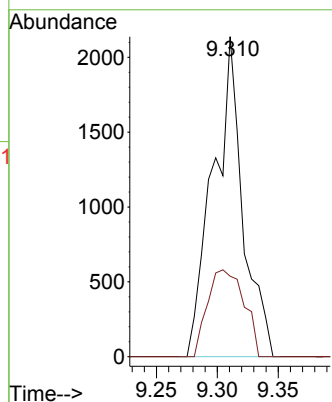
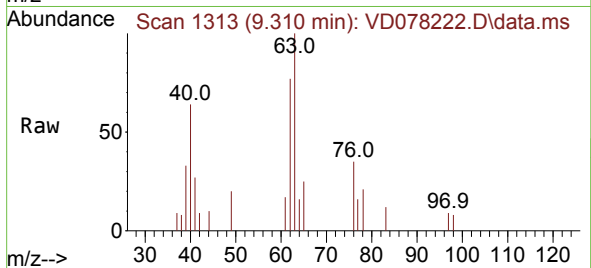
MDL-SOIL-03-QT1-2024

Tgt Ion: 63 Resp: 3620

Ion Ratio Lower Upper

63 100

65 25.2 24.5 36.7



#46

Dibromomethane

Concen: 2.219 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

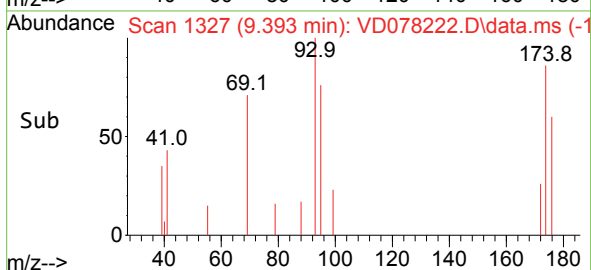
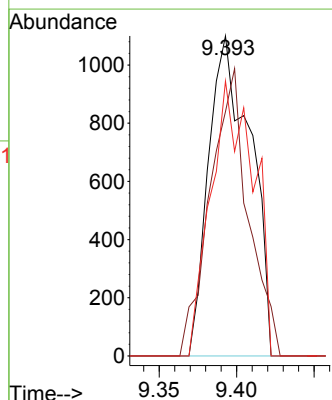
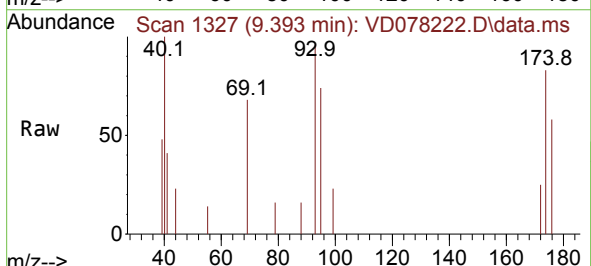
Tgt Ion: 93 Resp: 2060

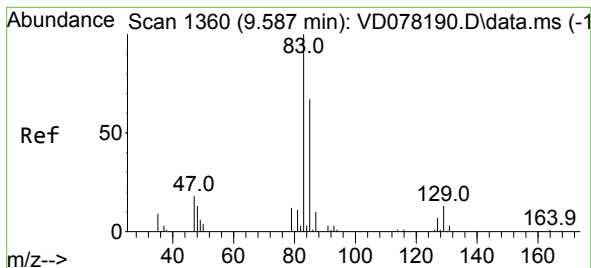
Ion Ratio Lower Upper

93 100

95 82.2 67.7 101.5

174 88.1 85.4 128.2





#47

Bromodichloromethane

Concen: 2.210 ug/l

RT: 9.587 min Scan# 1360

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

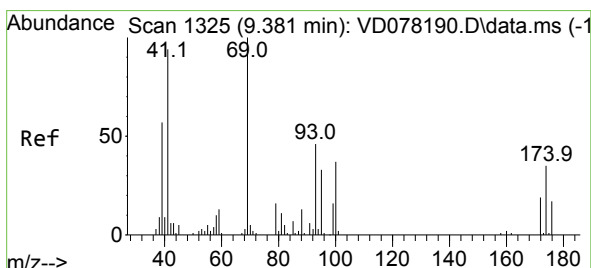
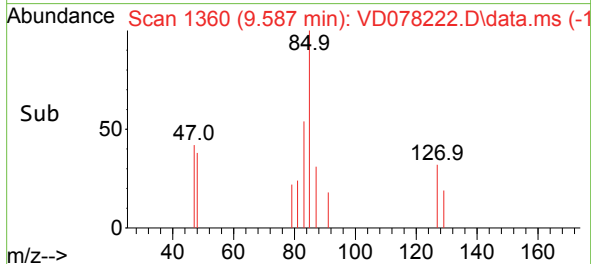
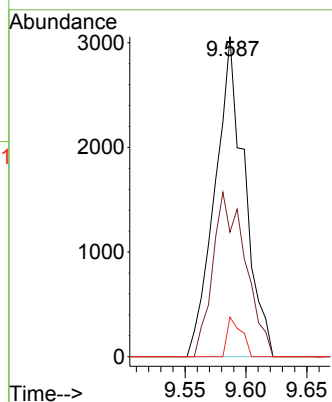
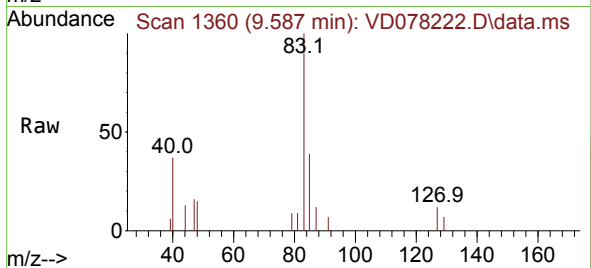
Tgt Ion: 83 Resp: 5153

Ion Ratio Lower Upper

83 100

85 38.9 50.2 75.4#

127 12.4 6.3 9.5#



#48

Methyl methacrylate

Concen: 1.797 ug/l

RT: 9.387 min Scan# 1326

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

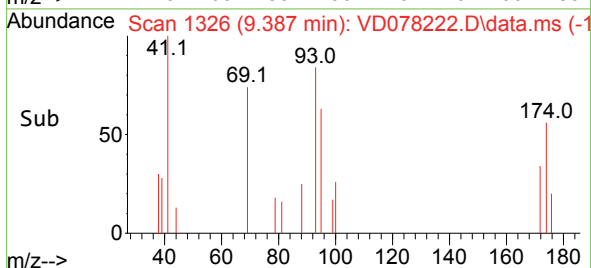
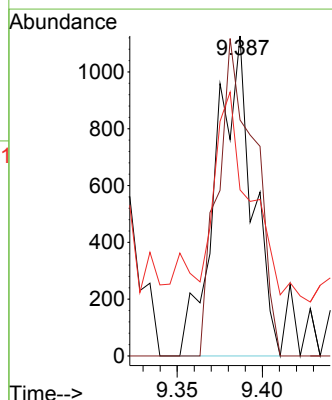
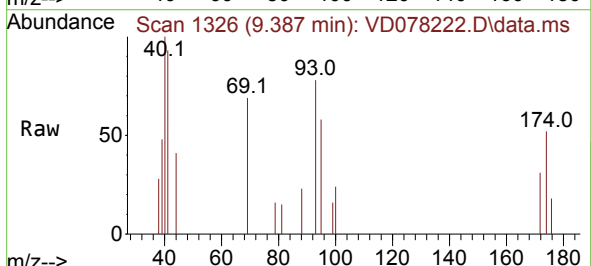
Tgt Ion: 41 Resp: 1703

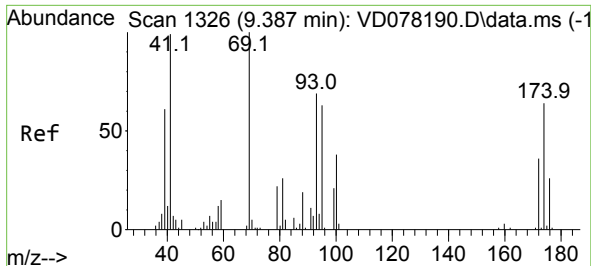
Ion Ratio Lower Upper

41 100

69 99.0 102.2 153.2#

39 63.2 41.4 62.2#





#49

1,4-Dioxane

Concen: 24.047 ug/l

RT: 9.387 min Scan# 1326

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

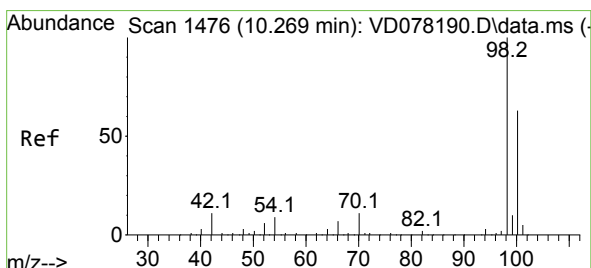
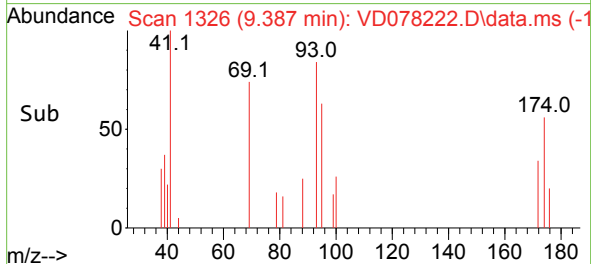
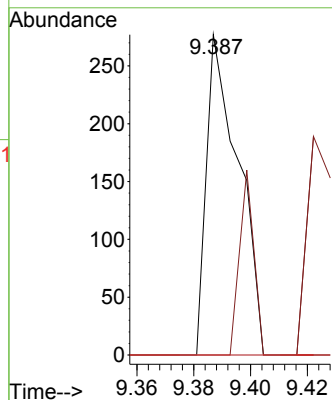
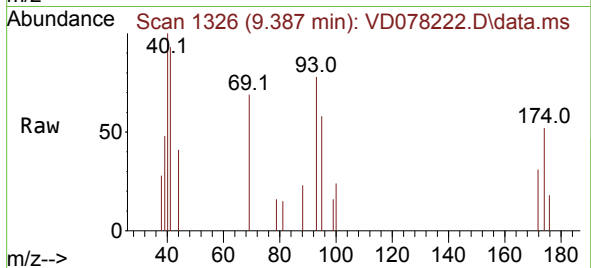
Tgt Ion: 88 Resp: 216

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 48.157 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078222.D

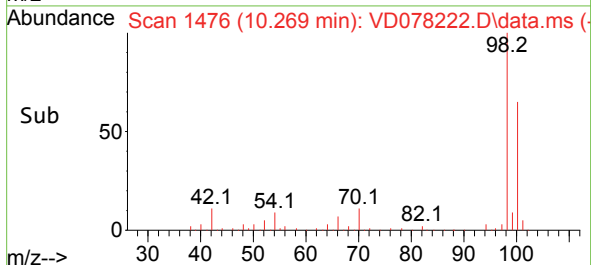
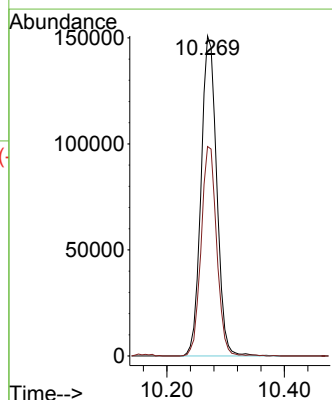
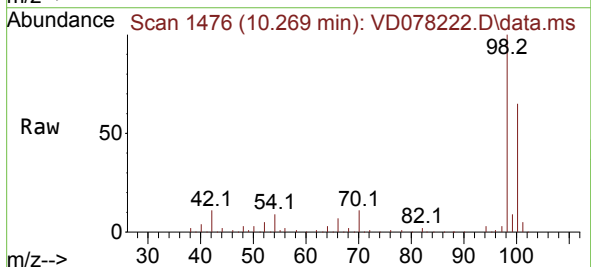
Acq: 24 Jan 2024 14:53

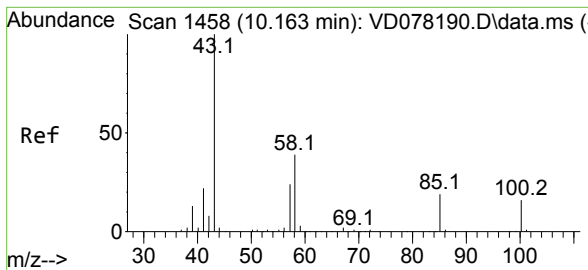
Tgt Ion: 98 Resp: 278352

Ion Ratio Lower Upper

98 100

100 64.9 50.3 75.5

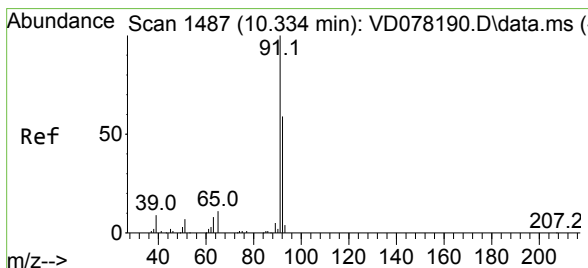
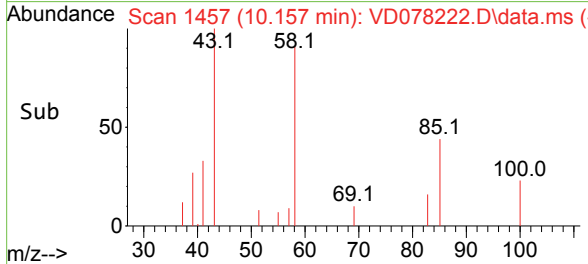
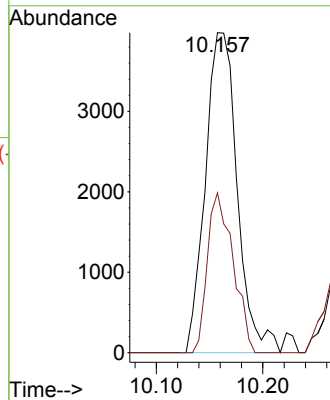
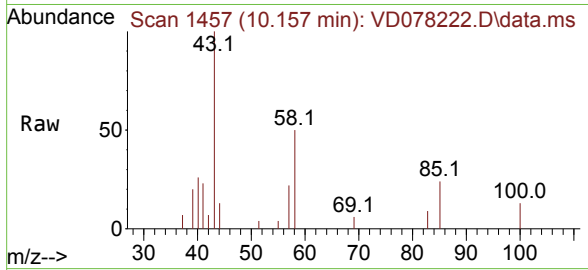




#51
4-Methyl-2-Pentanone
Concen: 9.620 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

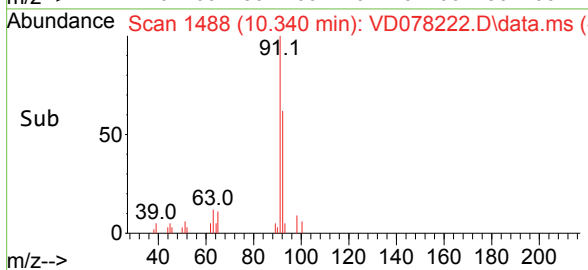
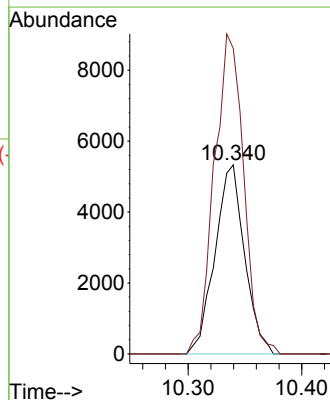
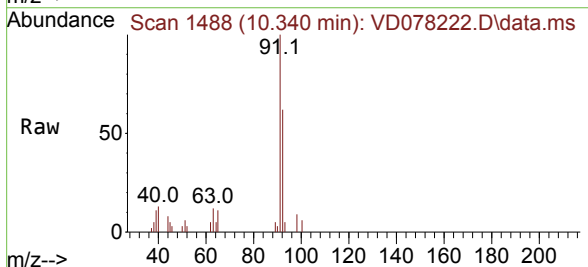
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

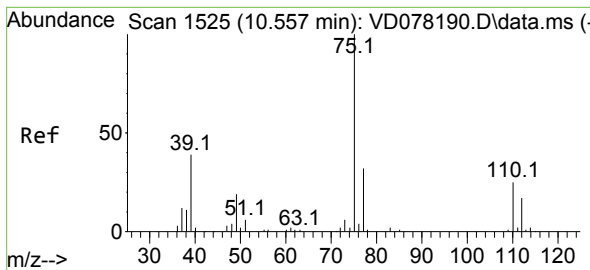
Tgt Ion: 43 Resp: 8276
Ion Ratio Lower Upper
43 100
58 40.2 38.9 58.3



#52
Toluene
Concen: 2.239 ug/l
RT: 10.340 min Scan# 1488
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 92 Resp: 9668
Ion Ratio Lower Upper
92 100
91 167.1 143.0 214.4

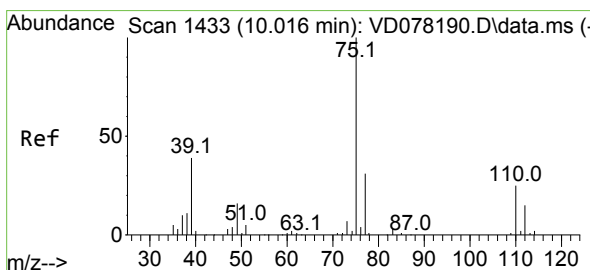
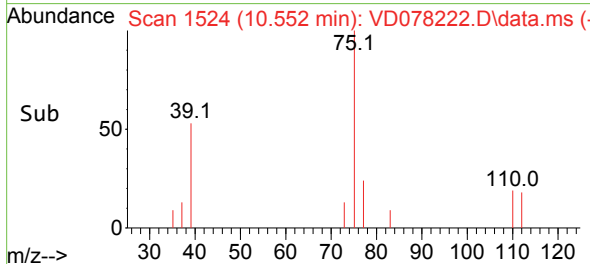
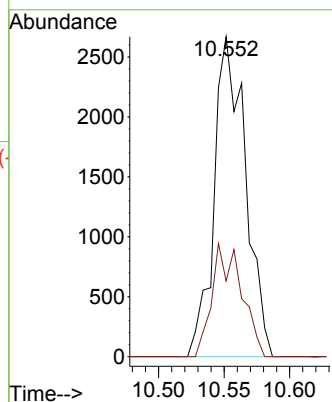
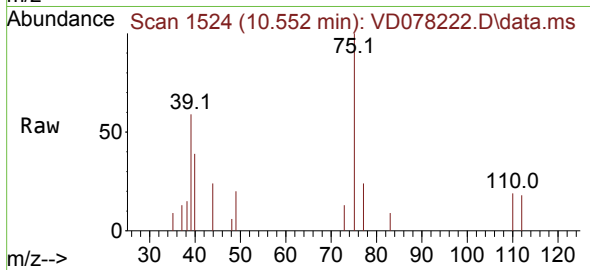




#53
t-1,3-Dichloropropene
Concen: 2.064 ug/l
RT: 10.552 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

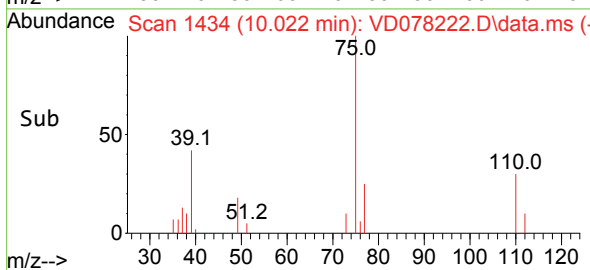
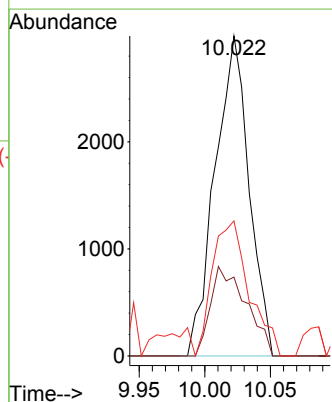
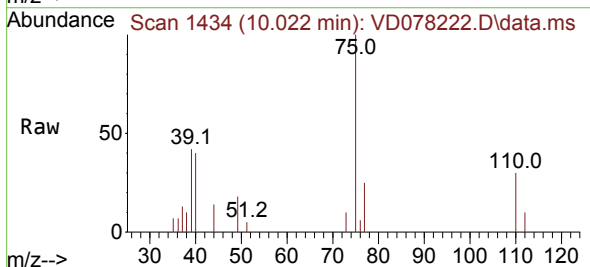
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

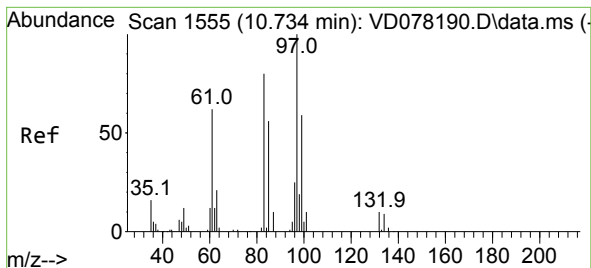
Tgt Ion: 75 Resp: 4440
Ion Ratio Lower Upper
75 100
77 23.7 25.3 37.9#



#54
cis-1,3-Dichloropropene
Concen: 2.090 ug/l
RT: 10.022 min Scan# 1434
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 75 Resp: 5391
Ion Ratio Lower Upper
75 100
77 24.7 25.5 38.3#
39 42.2 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 2.109 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 97 Resp: 2620

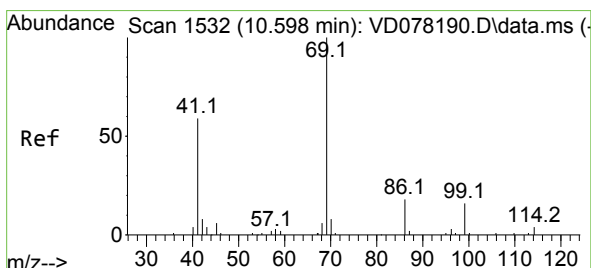
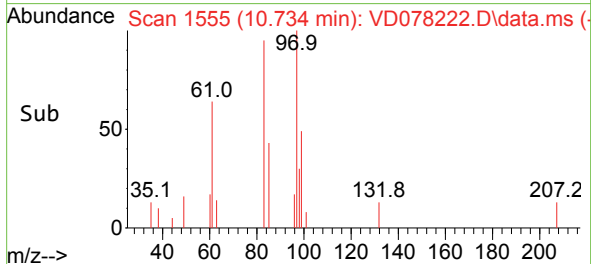
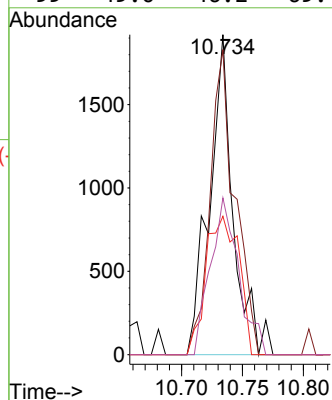
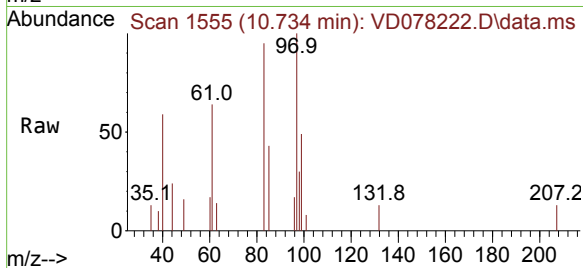
Ion Ratio Lower Upper

97 100

83 95.4 65.8 98.6

85 43.2 45.7 68.5#

99 49.0 46.2 69.4



#56

Ethyl methacrylate

Concen: 2.063 ug/l

RT: 10.604 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

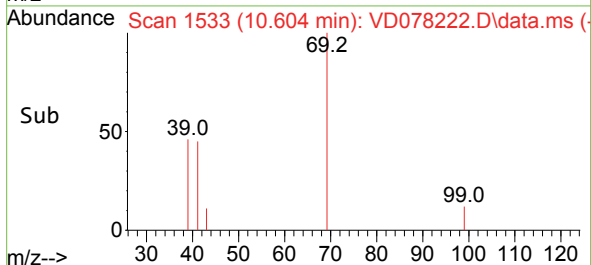
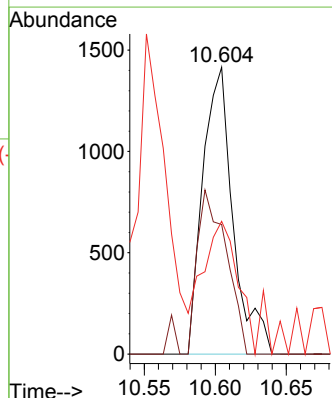
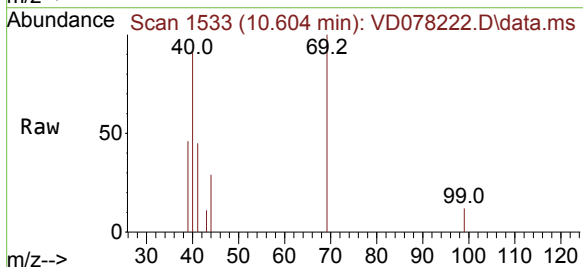
Tgt Ion: 69 Resp: 2098

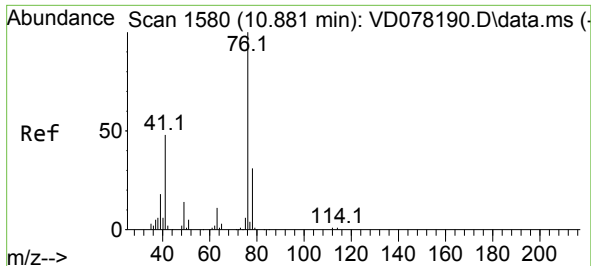
Ion Ratio Lower Upper

69 100

41 58.2 39.1 58.7

39 53.6 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 2.533 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

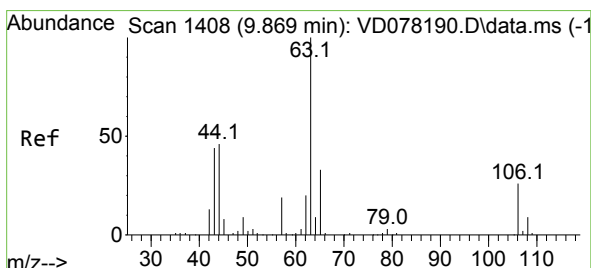
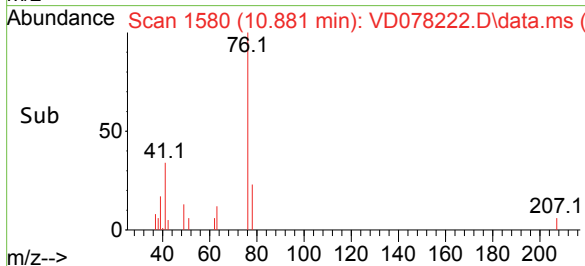
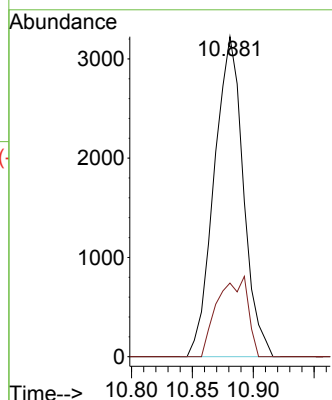
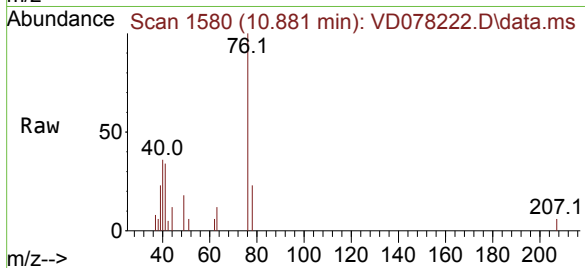
MDL-SOIL-03-QT1-2024

Tgt Ion: 76 Resp: 5380

Ion Ratio Lower Upper

76 100

78 25.9 26.4 39.6#



#58

2-Chloroethyl Vinyl ether

Concen: 9.669 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078222.D

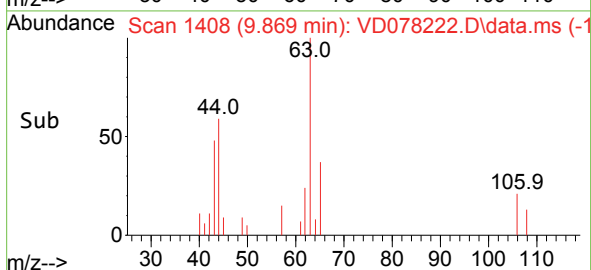
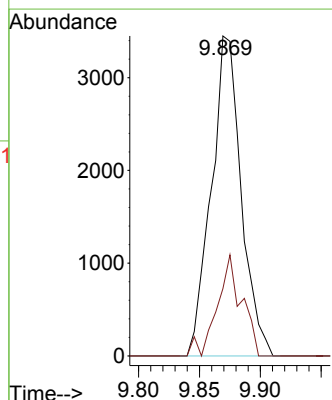
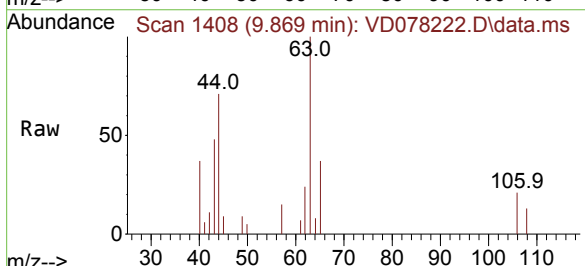
Acq: 24 Jan 2024 14:53

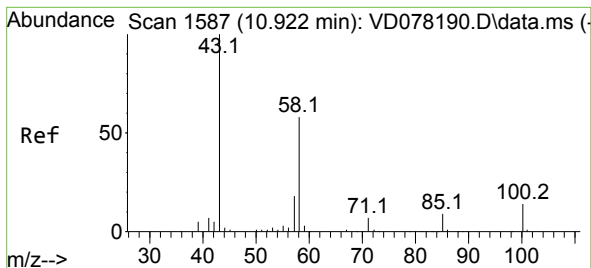
Tgt Ion: 63 Resp: 5892

Ion Ratio Lower Upper

63 100

106 25.8 25.3 37.9





#59

2-Hexanone

Concen: 8.987 ug/l

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

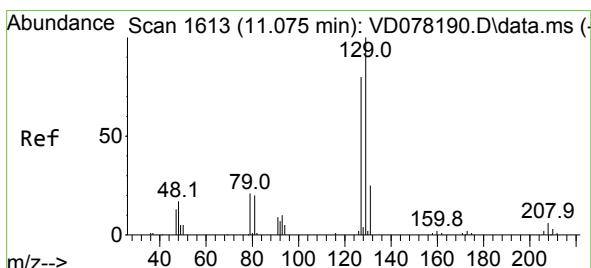
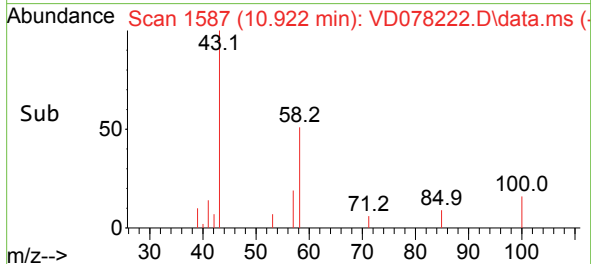
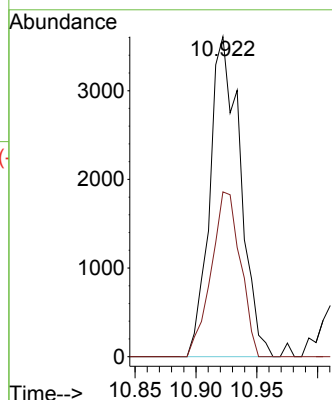
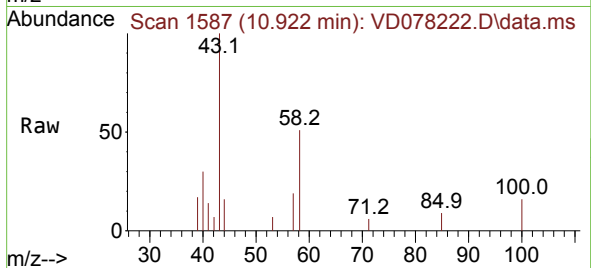
MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 6283

Ion Ratio Lower Upper

43 100

58 49.4 34.1 102.2



#60

Dibromochloromethane

Concen: 2.191 ug/l

RT: 11.075 min Scan# 1613

Delta R.T. 0.000 min

Lab File: VD078222.D

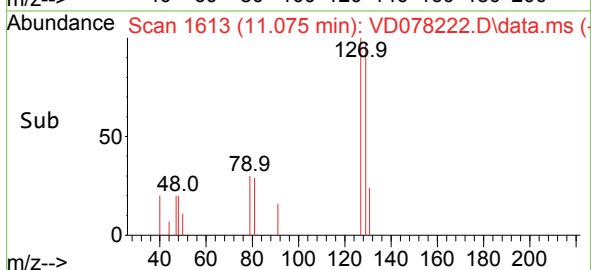
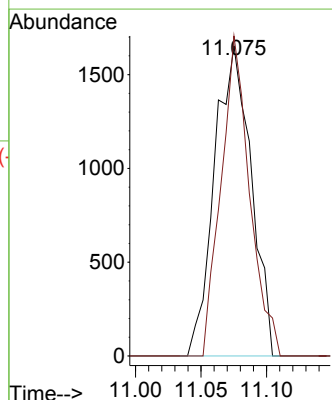
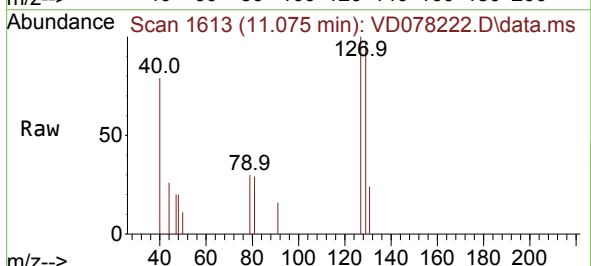
Acq: 24 Jan 2024 14:53

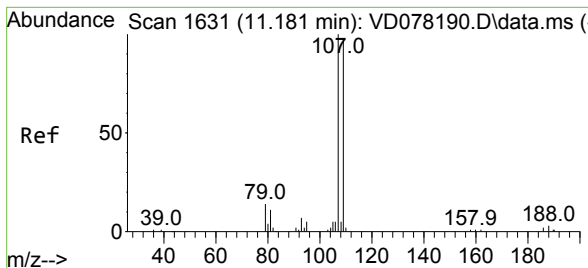
Tgt Ion:129 Resp: 3208

Ion Ratio Lower Upper

129 100

127 80.8 37.1 111.5





#61

1,2-Dibromoethane

Concen: 2.287 ug/l

RT: 11.187 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

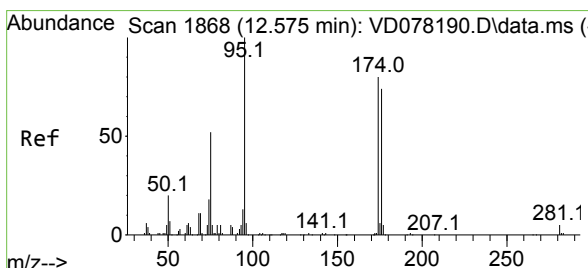
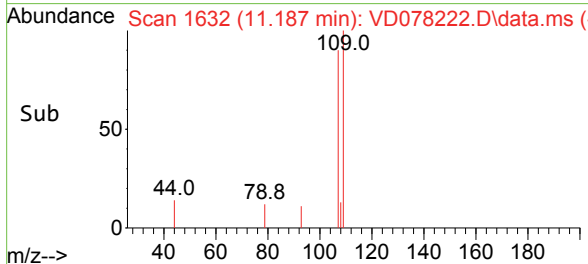
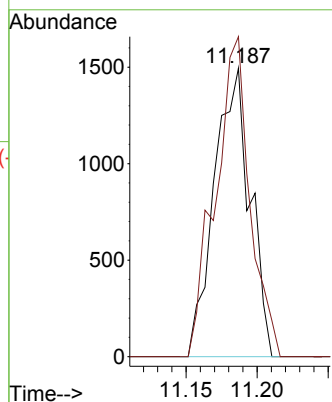
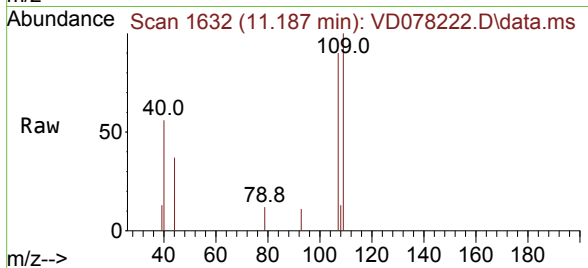
MDL-SOIL-03-QT1-2024

Tgt Ion:107 Resp: 2619

Ion Ratio Lower Upper

107 100

109 106.7 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 45.307 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

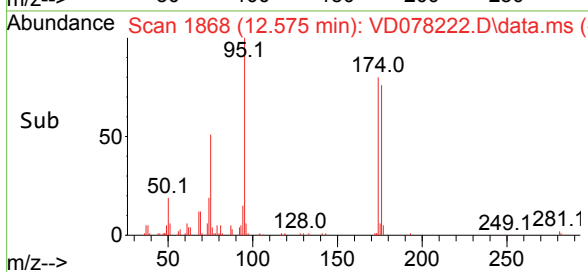
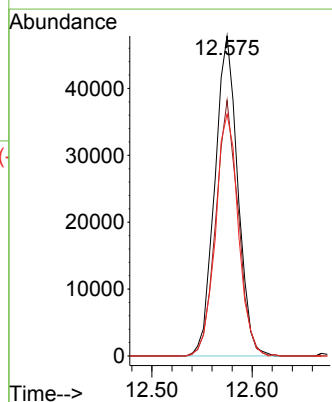
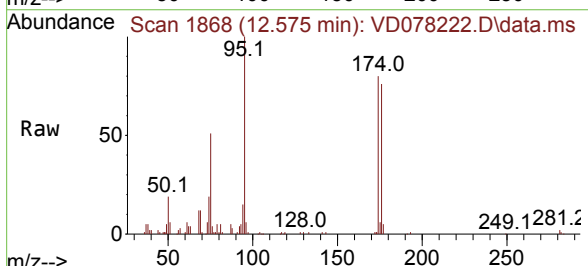
Tgt Ion: 95 Resp: 75945

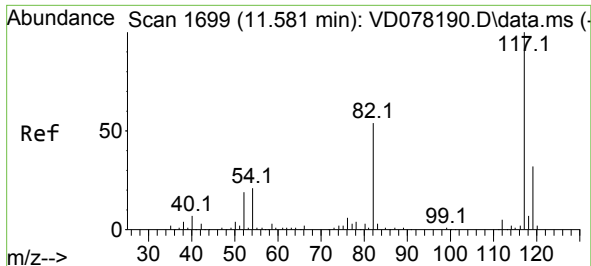
Ion Ratio Lower Upper

95 100

174 78.1 0.0 201.8

176 75.4 0.0 191.8

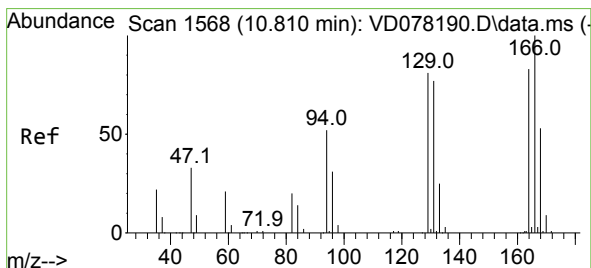
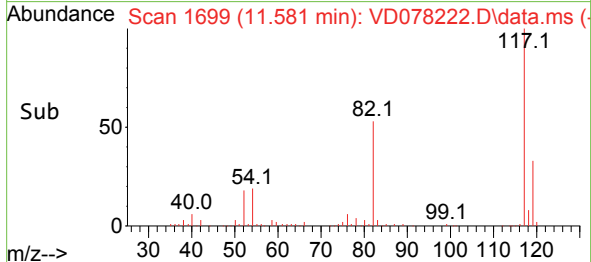
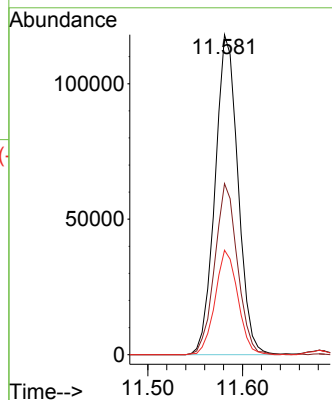
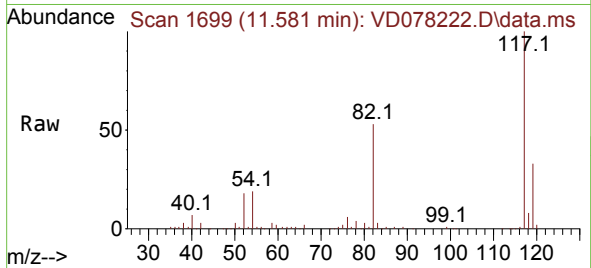




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

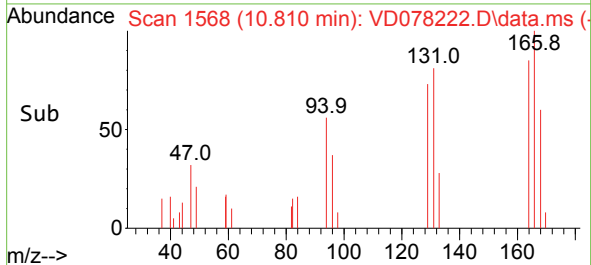
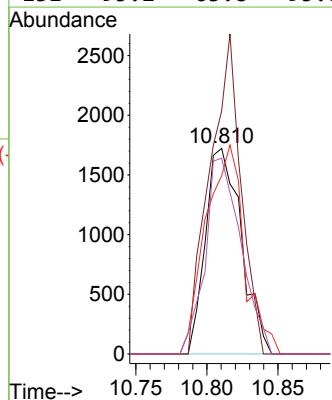
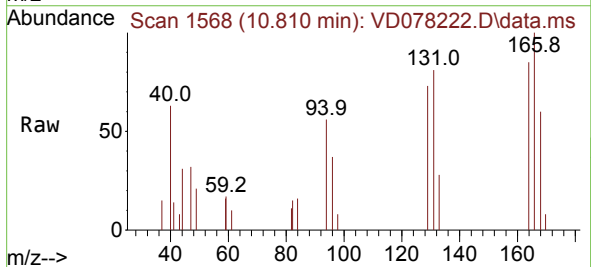
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

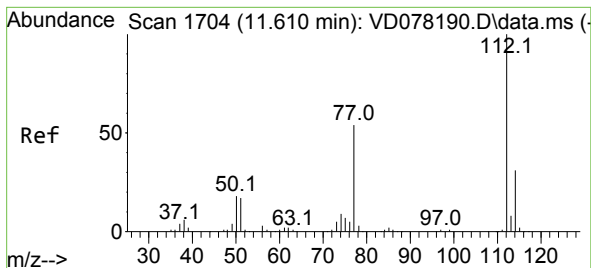
Tgt Ion:117 Resp: 198577
Ion Ratio Lower Upper
117 100
82 53.4 38.3 57.5
119 32.6 25.0 37.4



#64
Tetrachloroethene
Concen: 2.329 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion:164 Resp: 3024
Ion Ratio Lower Upper
164 100
166 118.1 99.2 148.8
129 86.7 68.4 102.6
131 95.2 63.8 95.8





#65

Chlorobenzene

Concen: 2.255 ug/l

RT: 11.616 min Scan# 1705

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

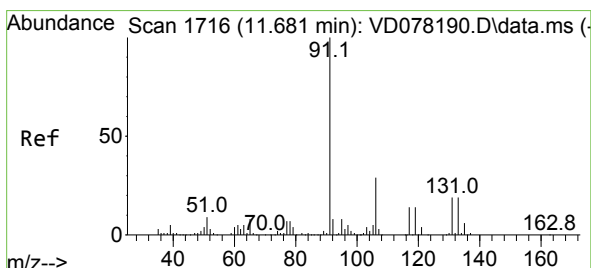
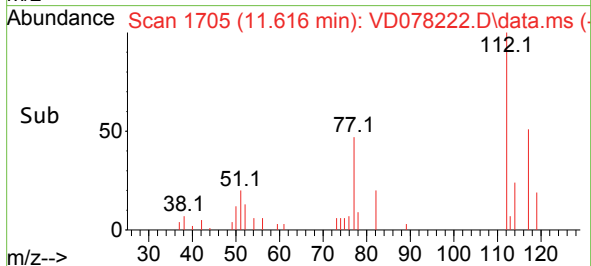
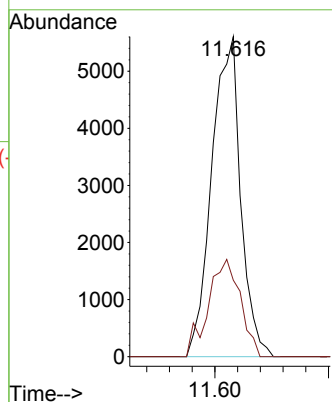
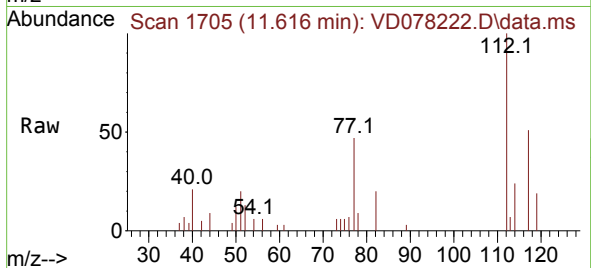
MDL-SOIL-03-QT1-2024

Tgt Ion:112 Resp: 9892

Ion Ratio Lower Upper

112 100

114 23.9 25.1 37.7#



#66

1,1,1,2-Tetrachloroethane

Concen: 2.009 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

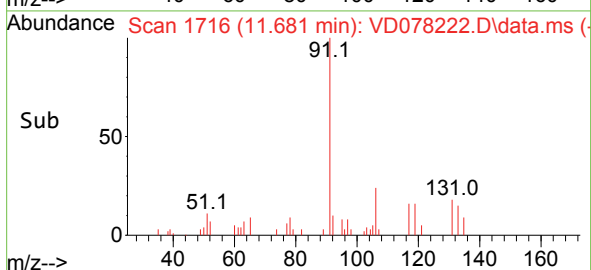
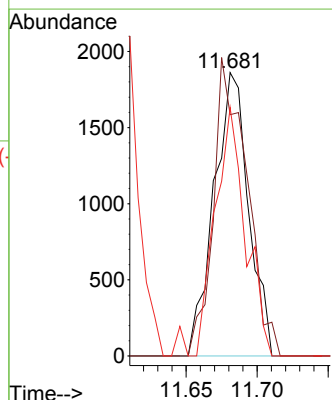
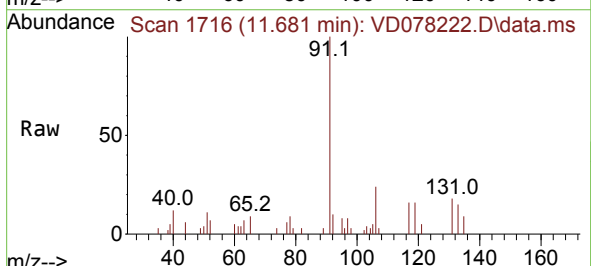
Tgt Ion:131 Resp: 3149

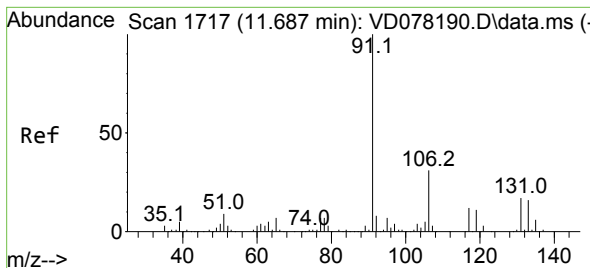
Ion Ratio Lower Upper

131 100

133 101.4 48.5 145.5

119 77.3 35.6 106.9





#67

Ethyl Benzene

Concen: 2.147 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

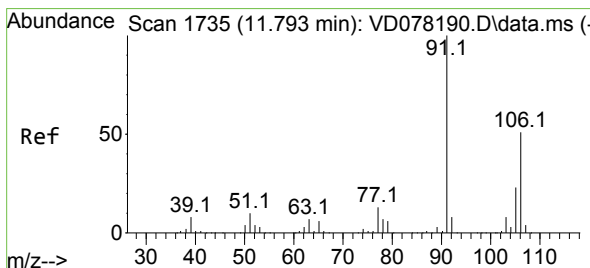
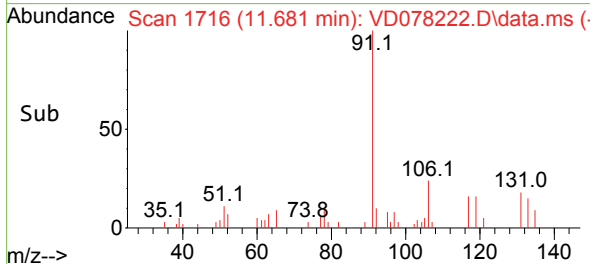
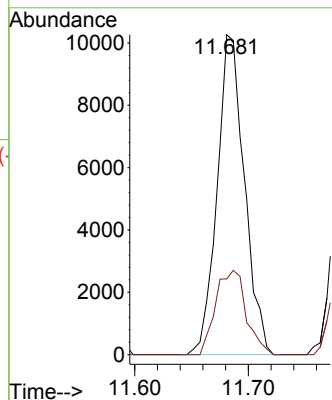
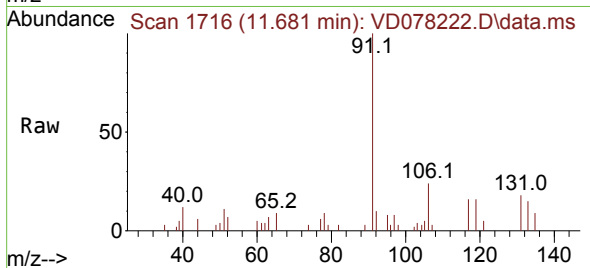
MDL-SOIL-03-QT1-2024

Tgt Ion: 91 Resp: 17138

Ion Ratio Lower Upper

91 100

106 23.7 26.5 39.7#



#68

m/p-Xylenes

Concen: 4.346 ug/l

RT: 11.799 min Scan# 1736

Delta R.T. 0.006 min

Lab File: VD078222.D

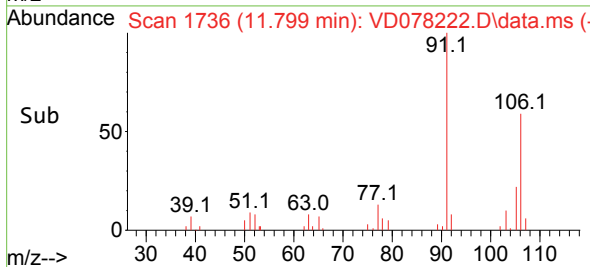
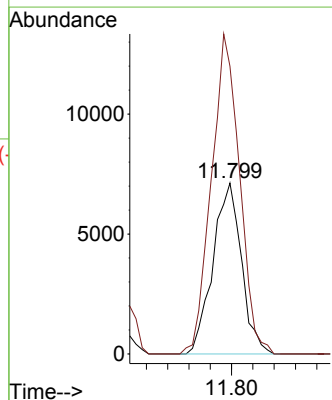
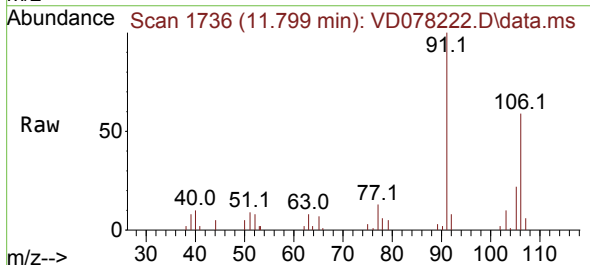
Acq: 24 Jan 2024 14:53

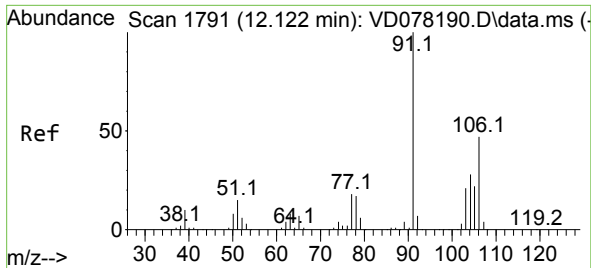
Tgt Ion:106 Resp: 13250

Ion Ratio Lower Upper

106 100

91 184.9 147.0 220.6

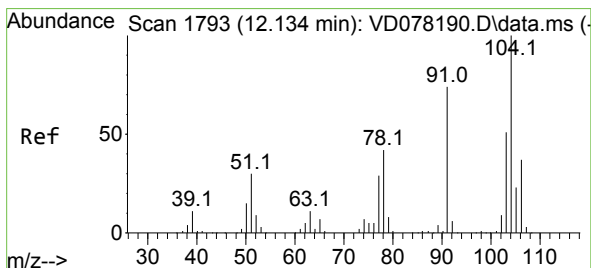
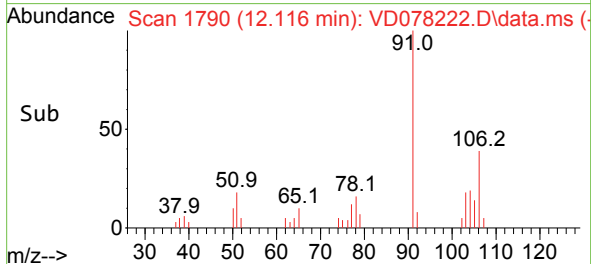
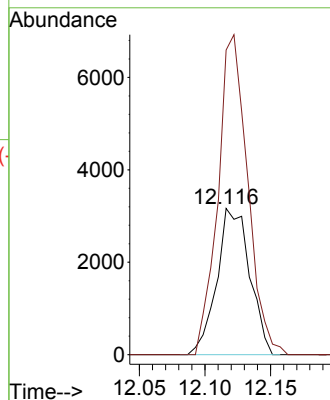
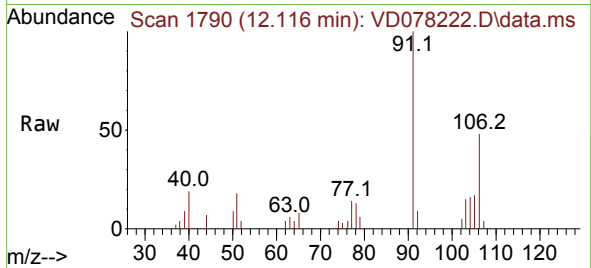




#69
o-Xylene
Concen: 1.992 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

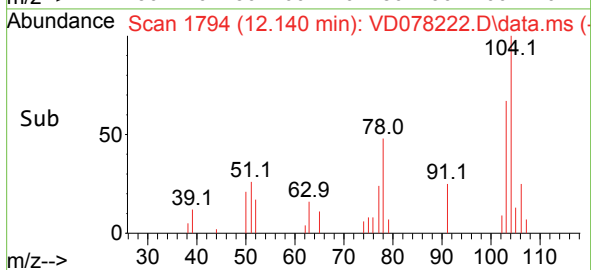
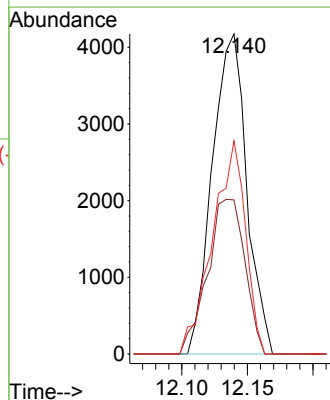
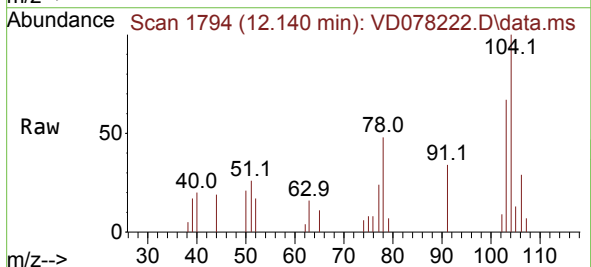
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

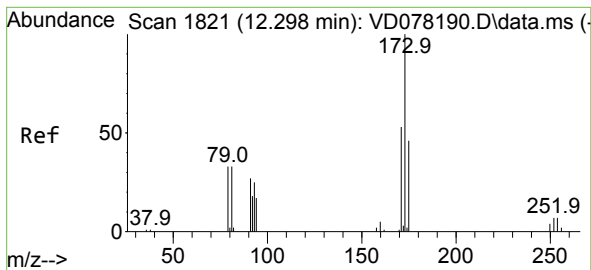
Tgt Ion:106 Resp: 5512
Ion Ratio Lower Upper
106 100
91 198.0 97.9 293.6



#70
Styrene
Concen: 1.833 ug/l
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion:104 Resp: 7600
Ion Ratio Lower Upper
104 100
78 52.5 33.2 49.8#
103 63.7 43.6 65.4





#71

Bromoform

Concen: 1.887 ug/l

RT: 12.304 min Scan# 1821

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

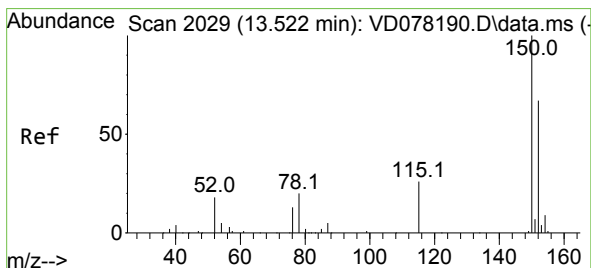
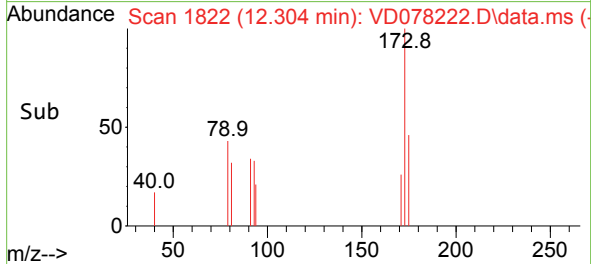
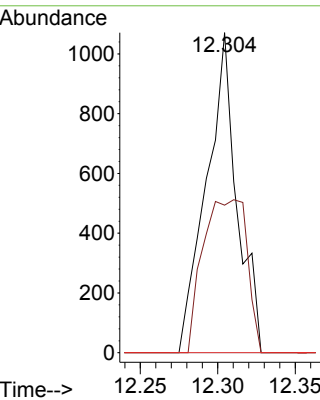
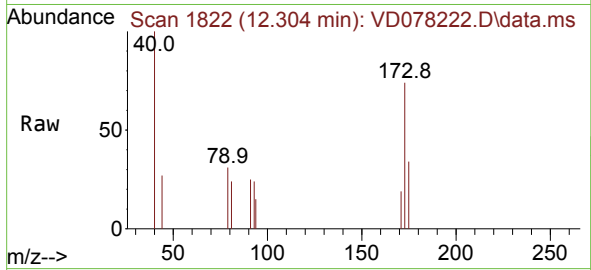
Tgt Ion:173 Resp: 1465

Ion Ratio Lower Upper

173 100

175 69.1 24.6 73.8

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

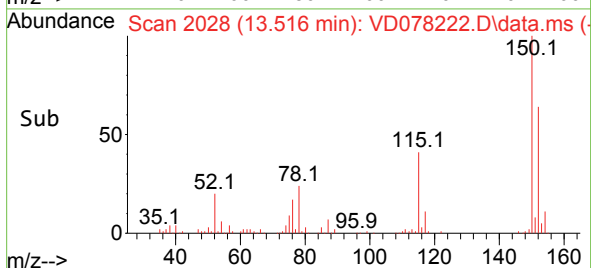
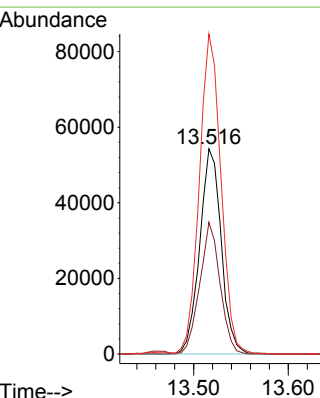
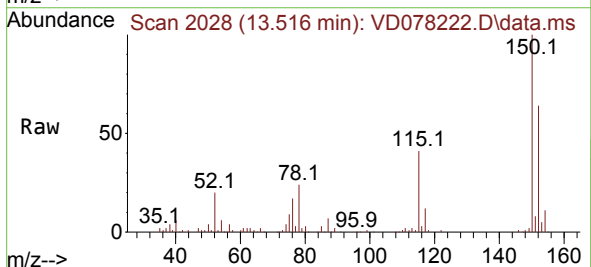
Tgt Ion:152 Resp: 85668

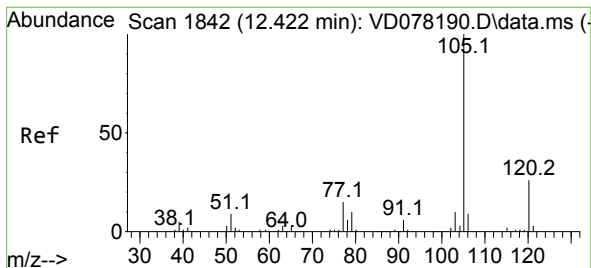
Ion Ratio Lower Upper

152 100

115 60.5 27.1 81.3

150 156.7 0.0 353.6





#73

Isopropylbenzene

Concen: 2.145 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

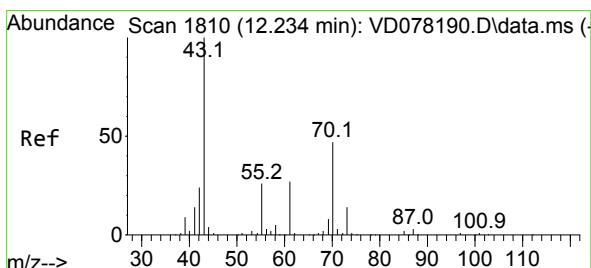
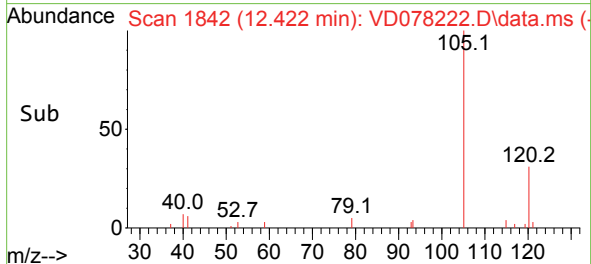
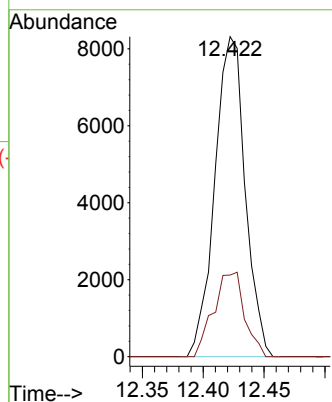
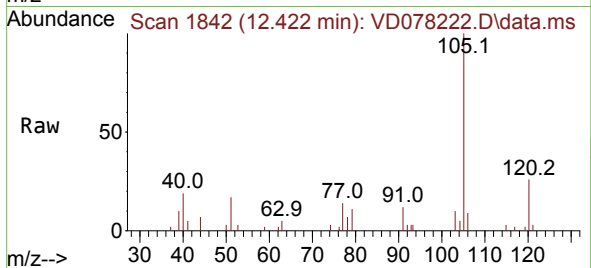
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 14446

Ion Ratio Lower Upper

105 100

120 26.9 14.3 42.9



#74

N-ethyl acetate

Concen: 2.347 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Tgt Ion: 43 Resp: 3024

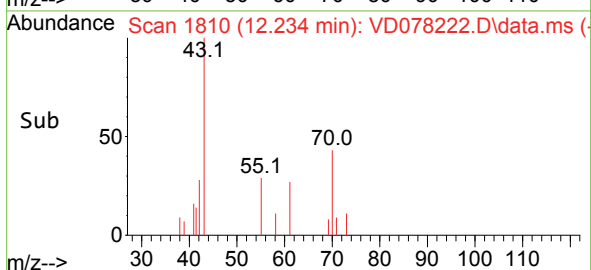
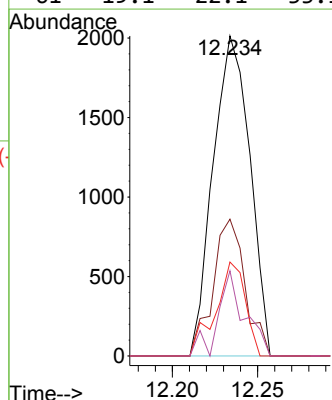
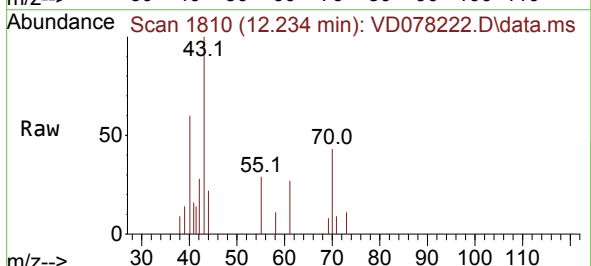
Ion Ratio Lower Upper

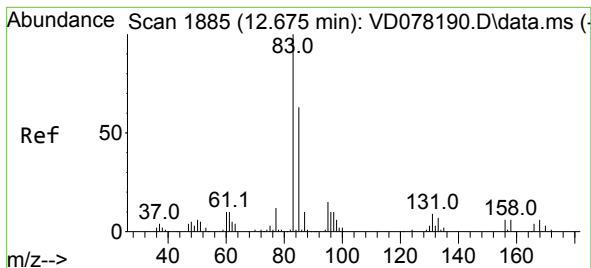
43 100

70 37.3 45.0 67.4#

55 23.7 23.8 35.6#

61 19.1 22.1 33.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.601 ug/l

RT: 12.681 min Scan# 1886

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

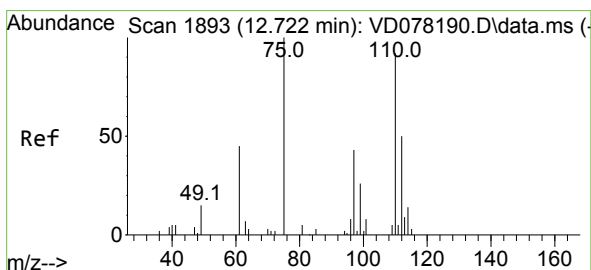
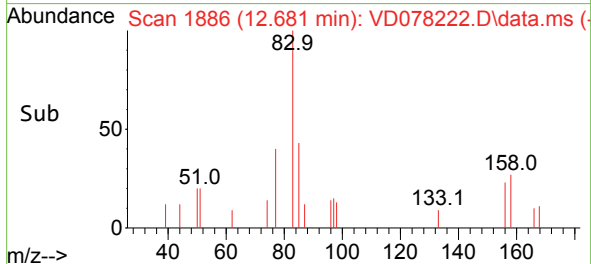
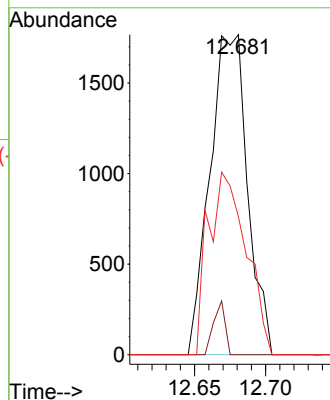
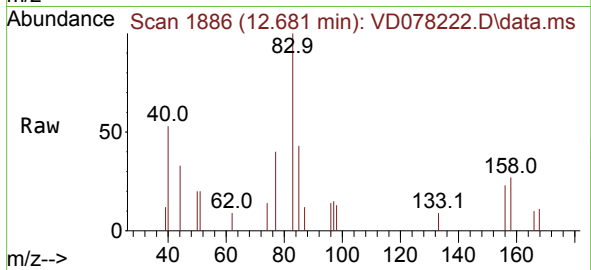
Tgt Ion: 83 Resp: 3260

Ion Ratio Lower Upper

83 100

131 5.1 5.1 15.3

85 57.7 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 4.529 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD078222.D

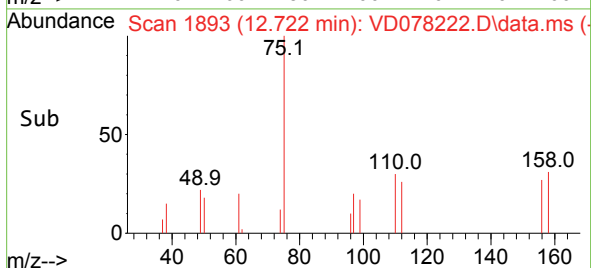
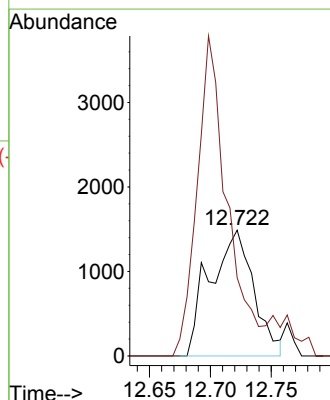
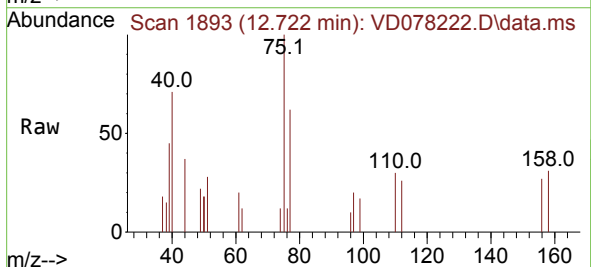
Acq: 24 Jan 2024 14:53

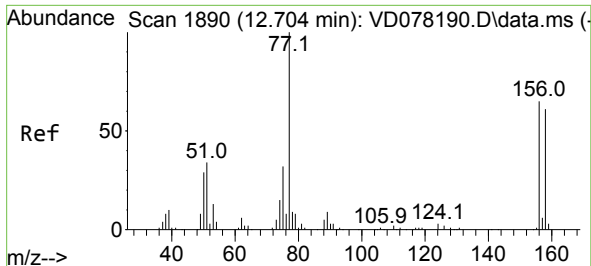
Tgt Ion: 75 Resp: 3721

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

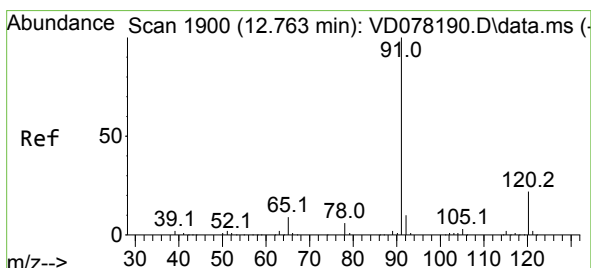
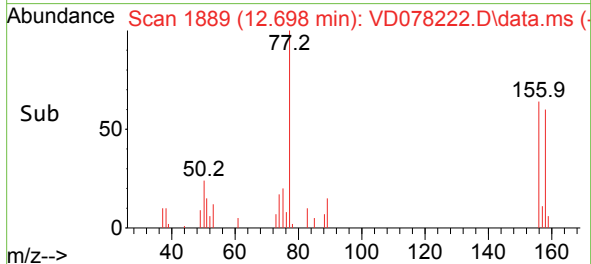
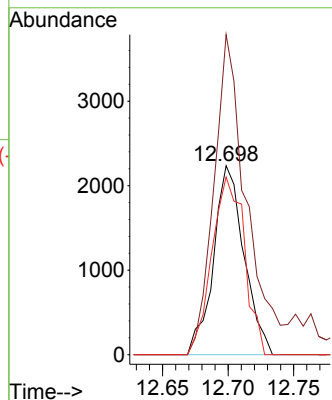
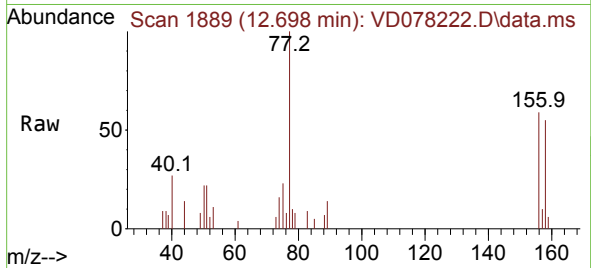




#77
Bromobenzene
Concen: 2.455 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

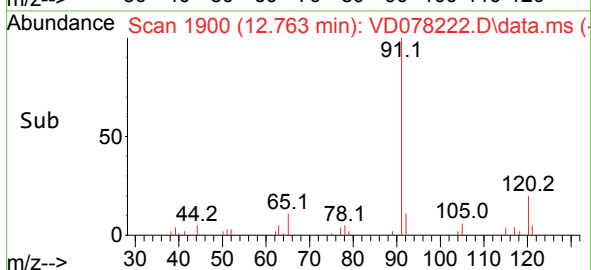
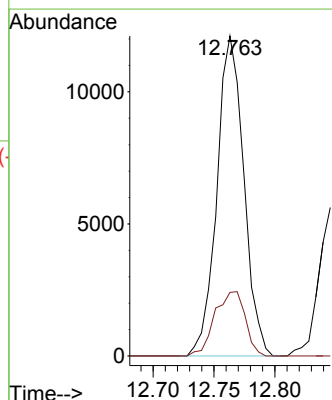
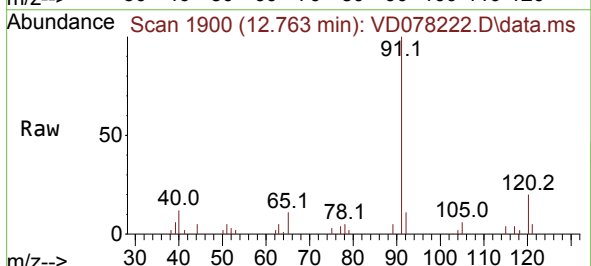
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

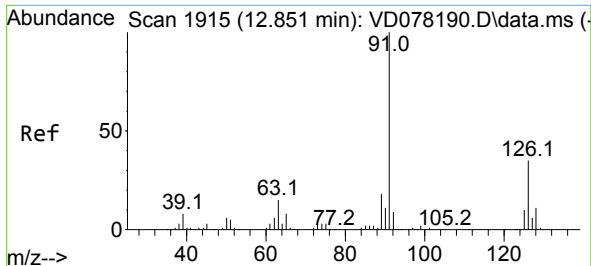
Tgt Ion:156 Resp: 3625
Ion Ratio Lower Upper
156 100
77 181.8 76.8 230.4
158 100.0 48.6 145.9



#78
n-propylbenzene
Concen: 2.232 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 91 Resp: 18645
Ion Ratio Lower Upper
91 100
120 22.7 12.4 37.2

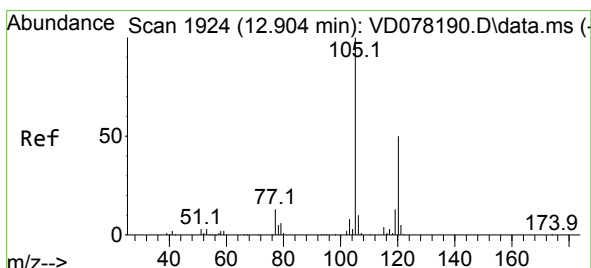
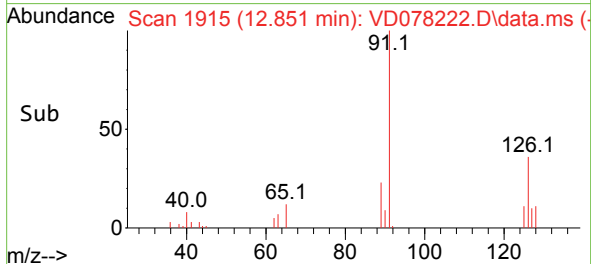
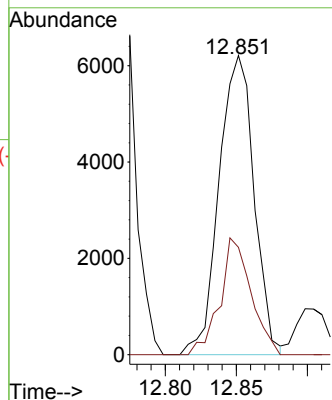
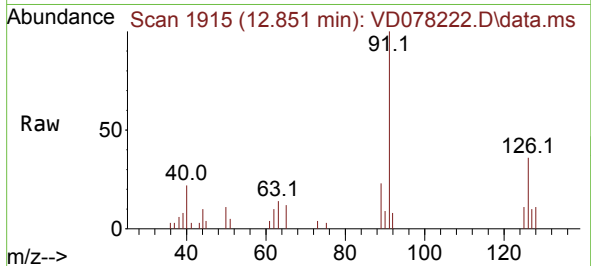




#79
2-Chlorotoluene
Concen: 2.389 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

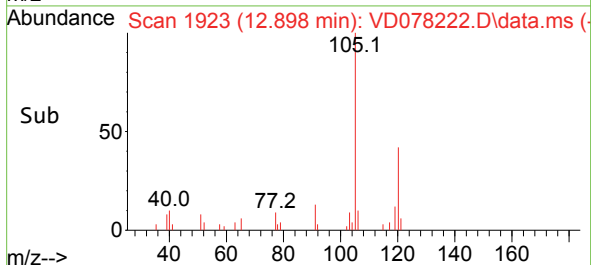
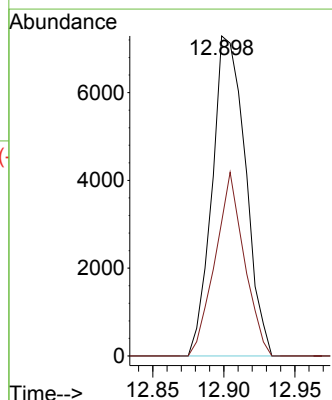
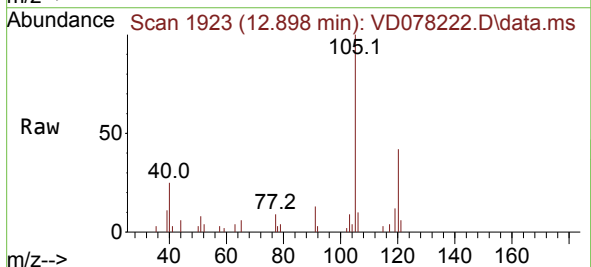
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

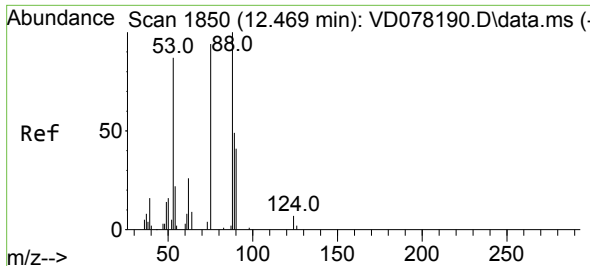
Tgt Ion: 91 Resp: 10649
Ion Ratio Lower Upper
91 100
126 34.7 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 2.125 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 105 Resp: 11869
Ion Ratio Lower Upper
105 100
120 50.2 26.4 79.2

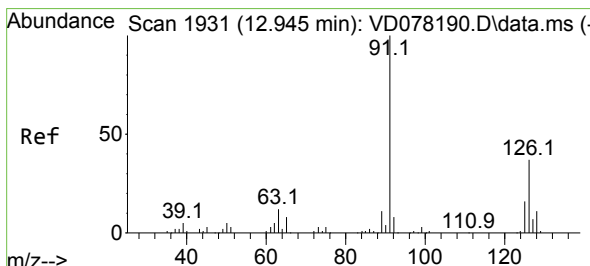
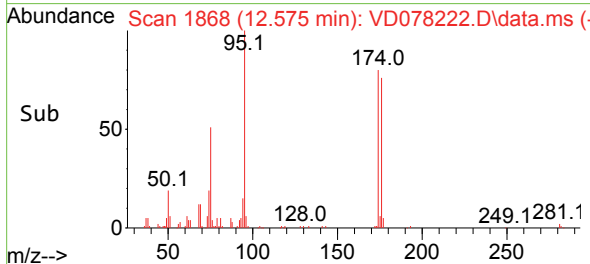
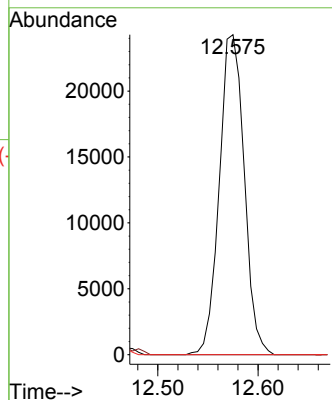
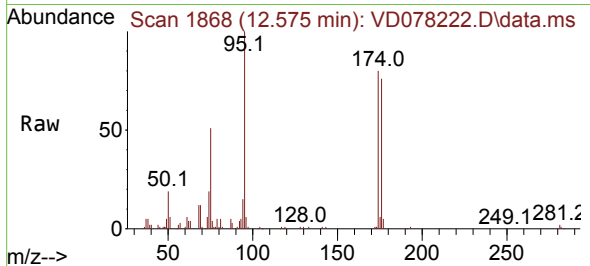




#81
trans-1,4-Dichloro-2-butene
Concen: 109.534 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

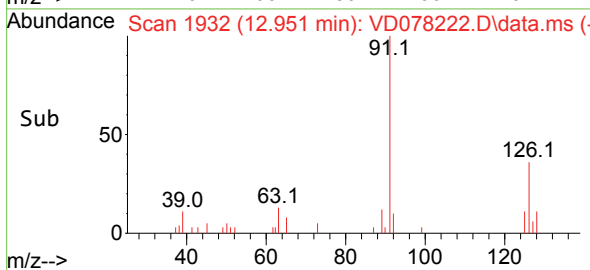
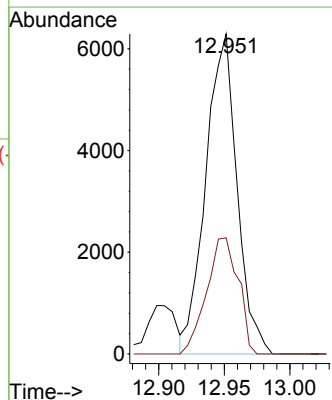
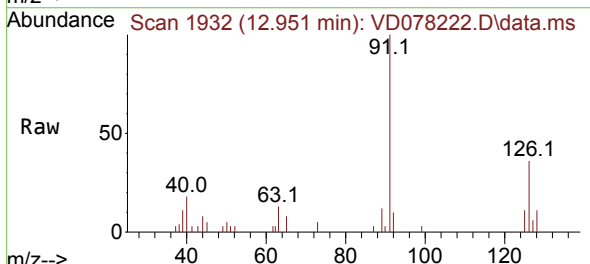
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

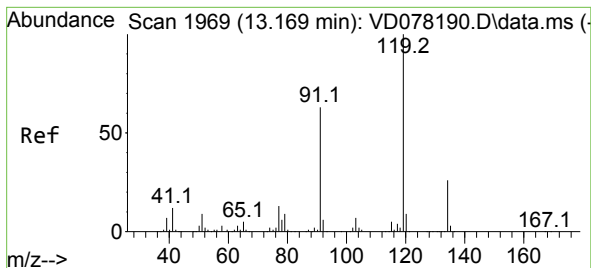
Tgt Ion: 75 Resp: 41782
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#



#82
4-Chlorotoluene
Concen: 2.219 ug/l
RT: 12.951 min Scan# 1932
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 91 Resp: 10429
Ion Ratio Lower Upper
91 100
126 36.8 19.4 58.4





#83

tert-Butylbenzene

Concen: 2.174 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

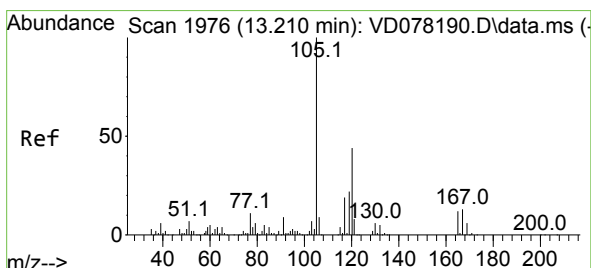
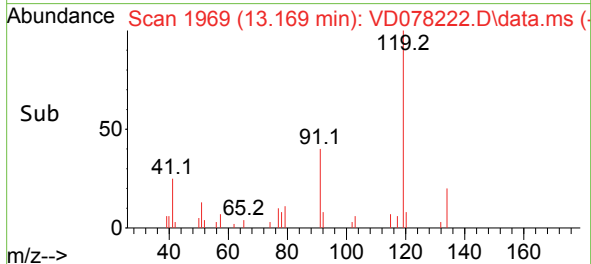
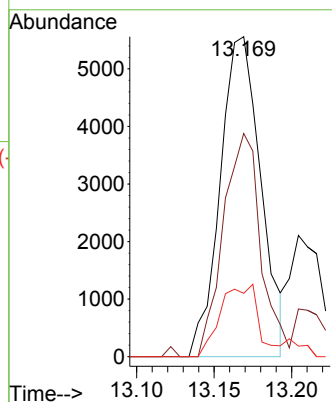
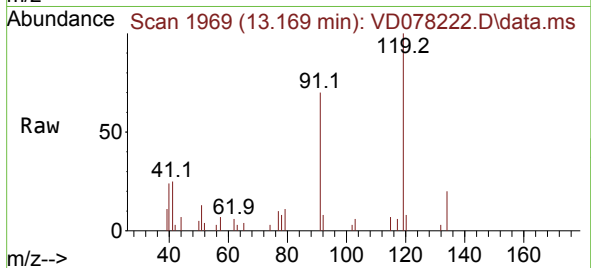
Tgt Ion:119 Resp: 10152

Ion Ratio Lower Upper

119 100

91 64.0 29.3 87.8

134 21.1 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 2.038 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD078222.D

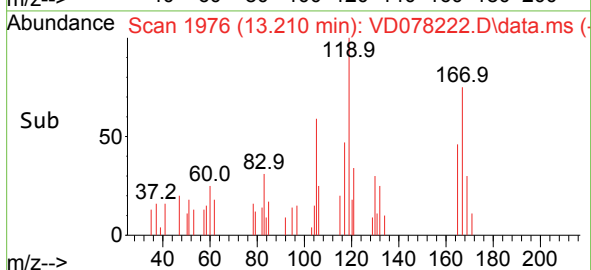
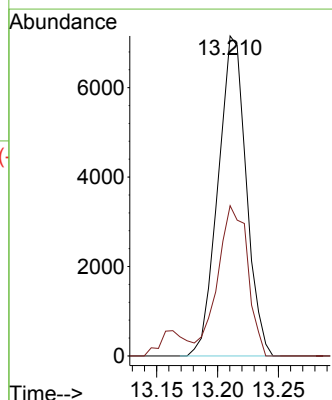
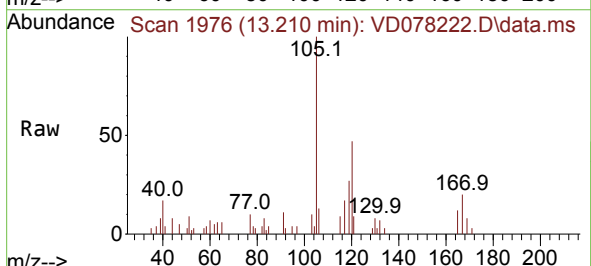
Acq: 24 Jan 2024 14:53

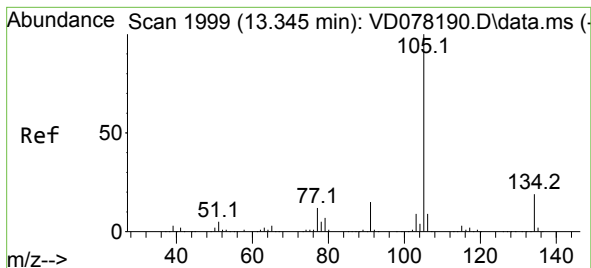
Tgt Ion:105 Resp: 11511

Ion Ratio Lower Upper

105 100

120 50.0 24.3 72.9





#85

sec-Butylbenzene

Concen: 2.162 ug/l

RT: 13.346 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

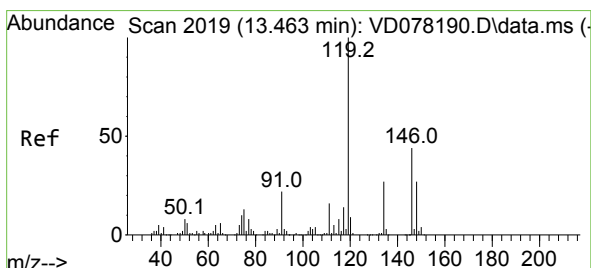
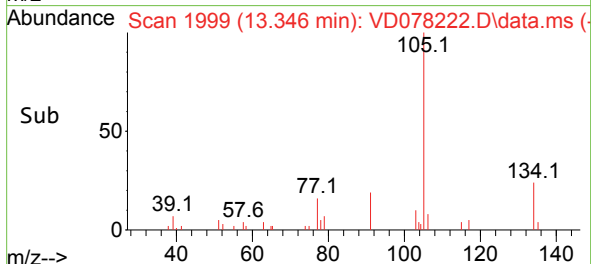
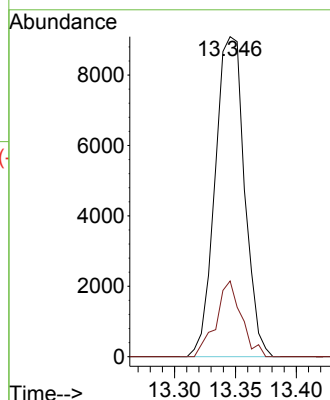
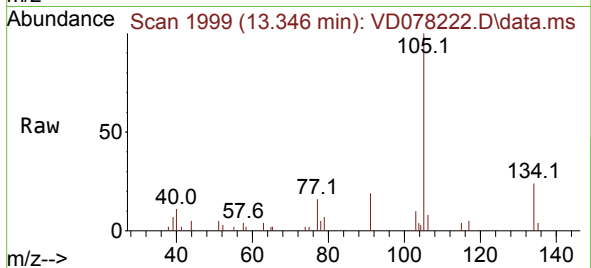
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 15287

Ion Ratio Lower Upper

105 100

134 20.3 10.9 32.9



#86

p-Isopropyltoluene

Concen: 2.086 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

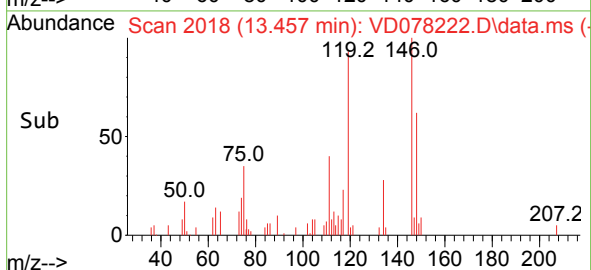
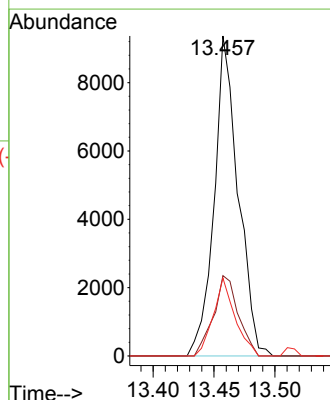
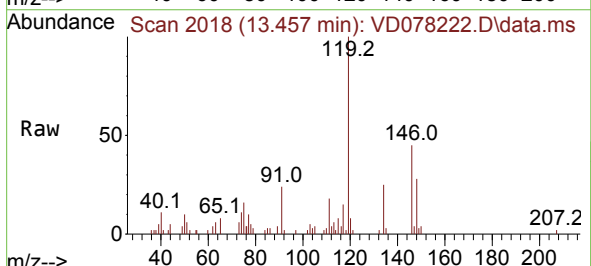
Tgt Ion:119 Resp: 12835

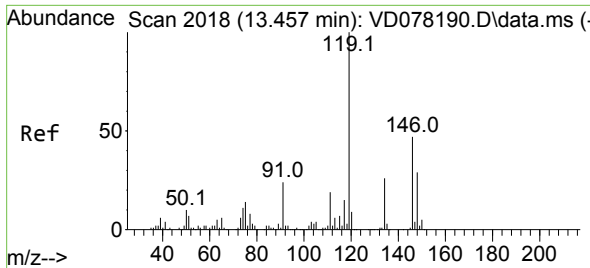
Ion Ratio Lower Upper

119 100

134 26.0 14.2 42.6

91 22.1 10.5 31.5

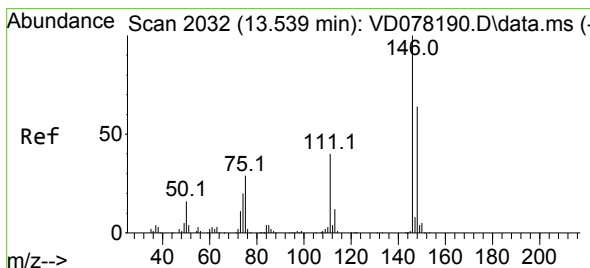
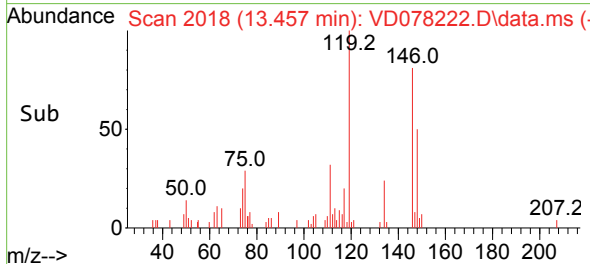
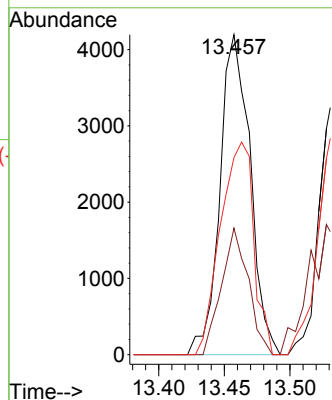
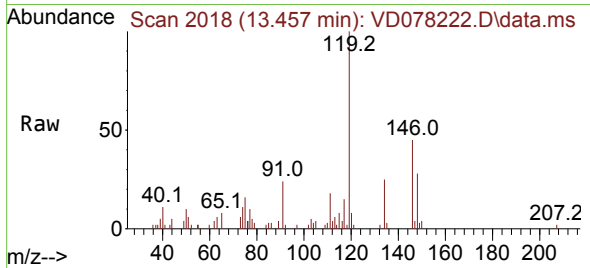




#87
1,3-Dichlorobenzene
Concen: 2.196 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

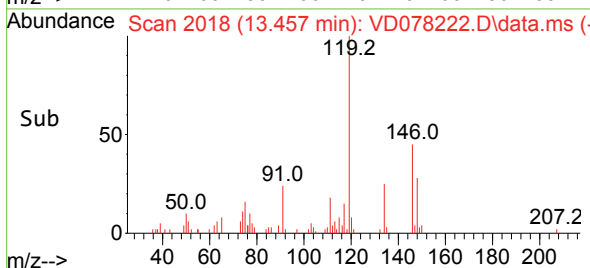
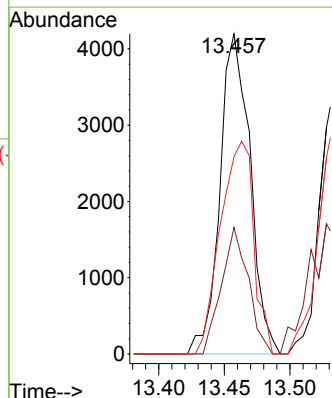
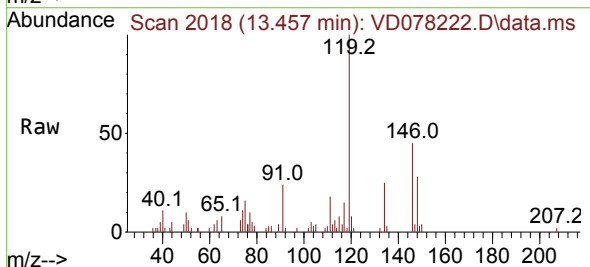
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

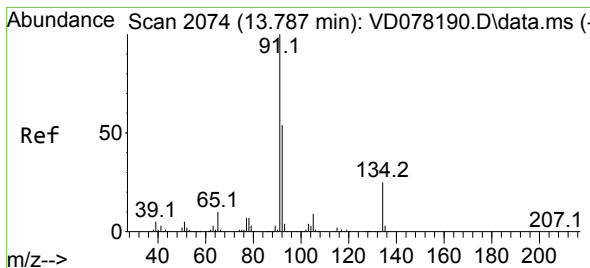
Tgt Ion:146 Resp: 6714
Ion Ratio Lower Upper
146 100
111 35.2 17.9 53.8
148 73.3 32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 2.223 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. -0.082 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion:146 Resp: 6714
Ion Ratio Lower Upper
146 100
111 35.2 17.4 52.3
148 73.3 31.7 95.1





#89

n-Butylbenzene

Concen: 2.214 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

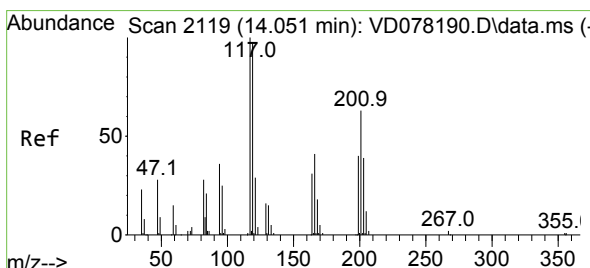
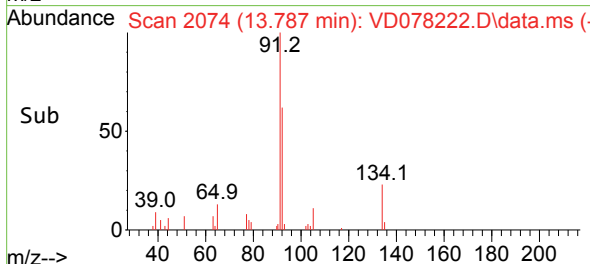
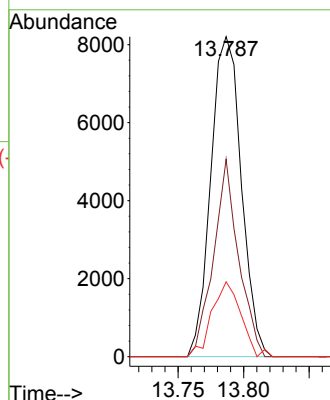
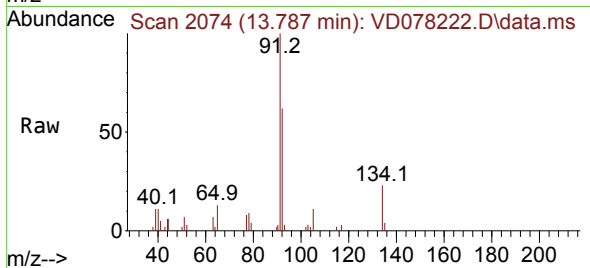
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:	91	Resp:	13258
Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.5	79.5
134	22.3	13.8	41.3



#90

Hexachloroethane

Concen: 2.296 ug/l

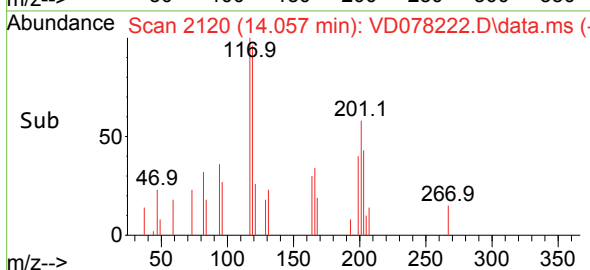
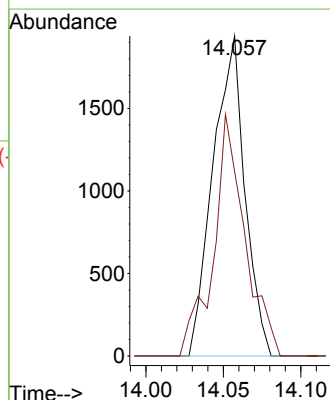
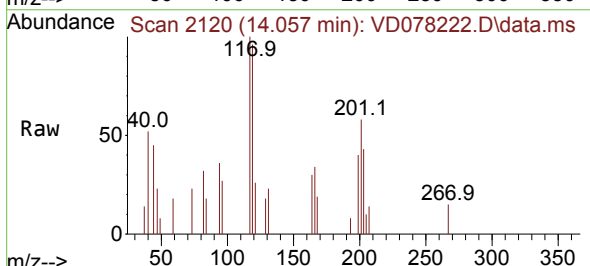
RT: 14.057 min Scan# 2120

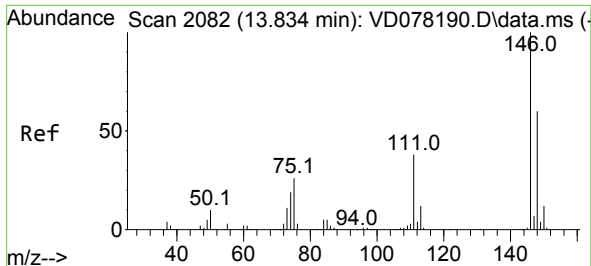
Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Tgt Ion:	117	Resp:	2771
Ion	Ratio	Lower	Upper
117	100		
201	74.3	38.5	115.5

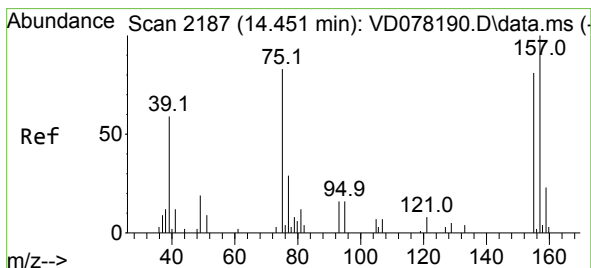
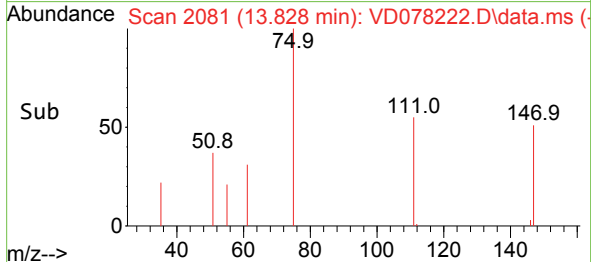
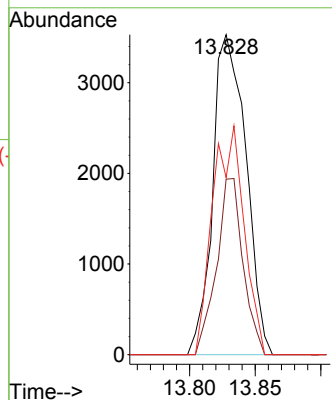
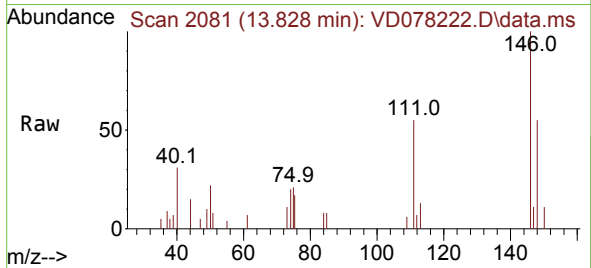




#91
1,2-Dichlorobenzene
Concen: 2.415 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

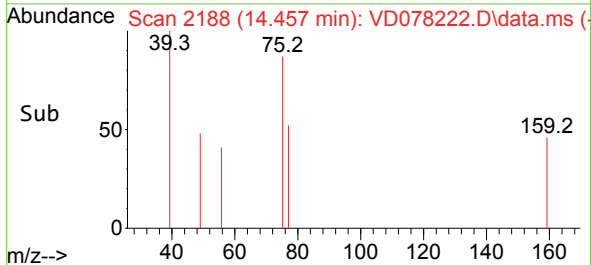
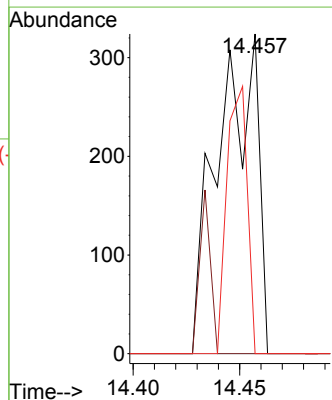
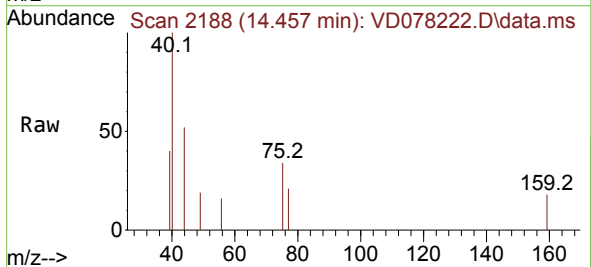
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

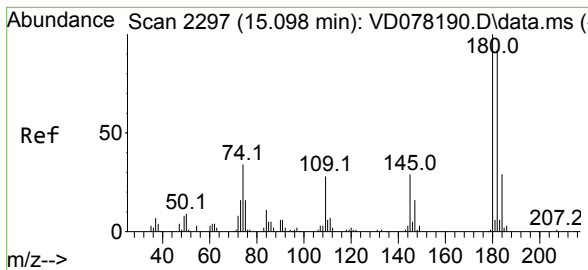
Tgt Ion:146 Resp: 6209
Ion Ratio Lower Upper
146 100
111 44.0 18.3 54.8
148 67.7 31.6 94.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.345 ug/l
RT: 14.457 min Scan# 2188
Delta R.T. 0.006 min
Lab File: VD078222.D
Acq: 24 Jan 2024 14:53

Tgt Ion: 75 Resp: 420
Ion Ratio Lower Upper
75 100
155 0.0 47.9 143.8#
157 42.6 59.9 179.7#





#93

1,2,4-Trichlorobenzene

Concen: 2.311 ug/l

RT: 15.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

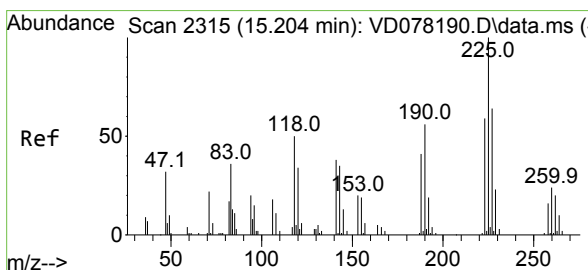
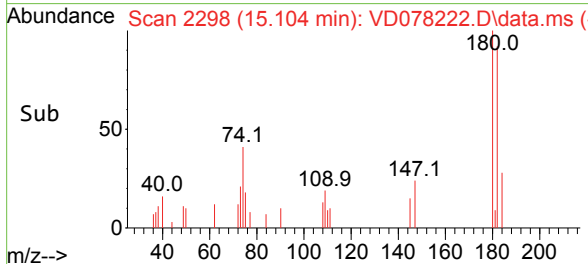
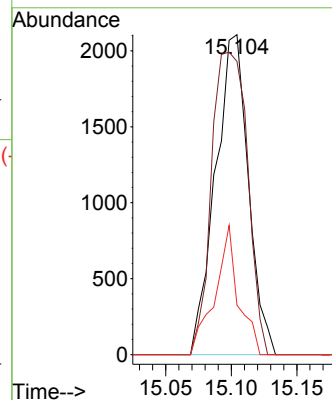
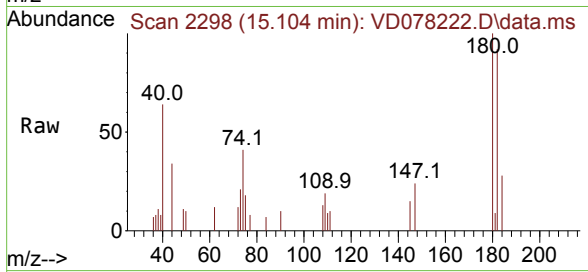
Tgt Ion:180 Resp: 3673

Ion Ratio Lower Upper

180 100

182 103.3 48.5 145.6

145 28.7 14.2 42.6



#94

Hexachlorobutadiene

Concen: 2.250 ug/l

RT: 15.198 min Scan# 2314

Delta R.T. -0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

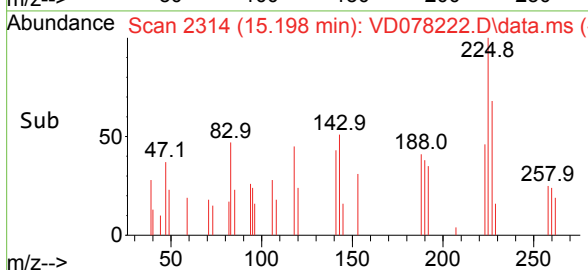
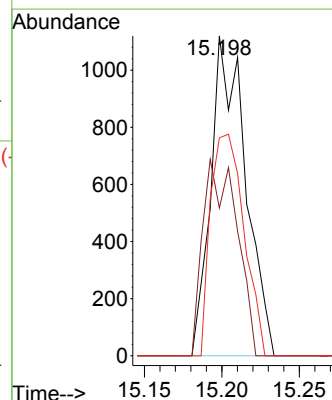
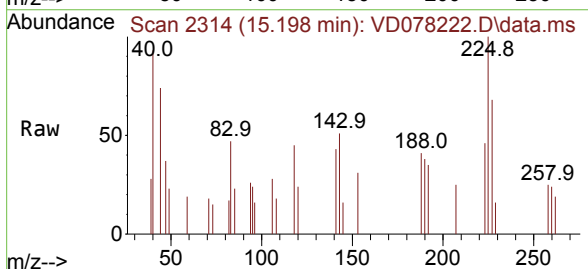
Tgt Ion:225 Resp: 1728

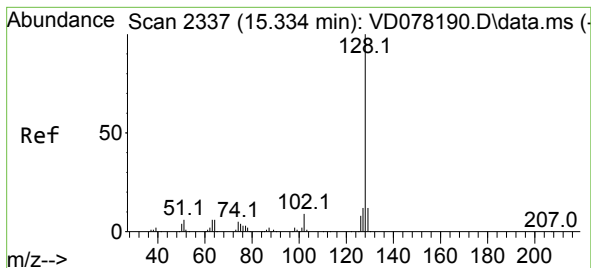
Ion Ratio Lower Upper

225 100

223 60.6 31.6 94.8

227 67.2 31.7 95.1





#95

Naphthalene

Concen: 2.175 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

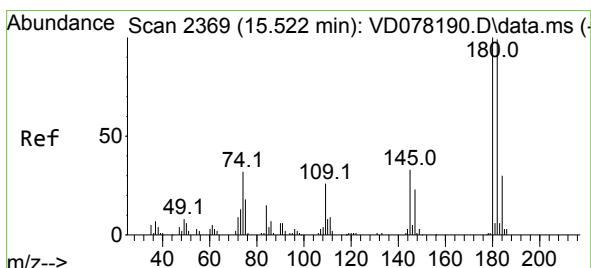
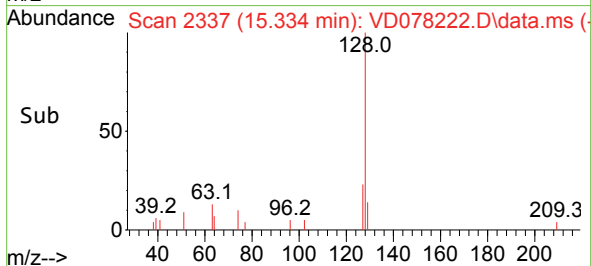
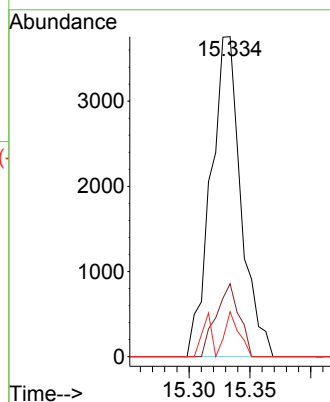
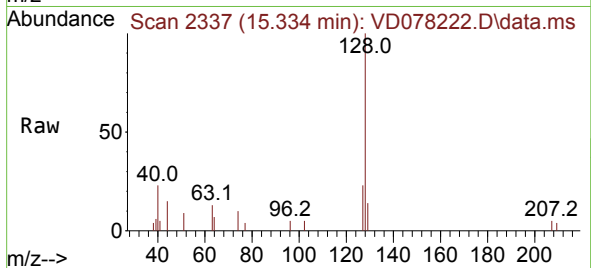
Tgt Ion:128 Resp: 6463

Ion Ratio Lower Upper

128 100

127 22.8 10.5 15.7#

129 14.0 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 2.085 ug/l

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD078222.D

Acq: 24 Jan 2024 14:53

Tgt Ion:180 Resp: 2780

Ion Ratio Lower Upper

180 100

182 110.6 47.3 141.9

145 35.8 15.1 45.3

