

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
 Data File : VD078223.D
 Acq On : 24 Jan 2024 15:19
 Operator : RP/MD
 Sample : P1187-03 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jan 25 01:17:11 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	7.881	168	114814	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	223589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	203324	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	84894	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	63525	48.466	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.940%
35) Dibromofluoromethane	7.816	113	67459	45.843	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.680%
50) Toluene-d8	10.275	98	256634	44.045	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	88.080%
62) 4-Bromofluorobenzene	12.574	95	68780	40.704	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.400%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.940	85	5425	4.102	ug/l	96
3) Chloromethane	2.152	50	8952	4.196	ug/l	92
4) Vinyl Chloride	2.287	62	11811	4.338	ug/l #	86
5) Bromomethane	2.699	94	8092	4.073	ug/l	98
6) Chloroethane	2.840	64	7747	4.074	ug/l	95
7) Trichlorofluoromethane	3.187	101	10073	4.068	ug/l #	77
8) Diethyl Ether	3.604	74	2956	4.306	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.981	101	6118	4.265	ug/l	89
10) Methyl Iodide	4.169	142	5088	3.539	ug/l #	87
11) Tert butyl alcohol	5.045	59	665	10.306	ug/l #	73
12) 1,1-Dichloroethene	3.951	96	5643	3.972	ug/l	89
13) Acrolein	3.804	56	2646	17.863	ug/l	87
14) Allyl chloride	4.569	41	7822	4.174	ug/l #	77
15) Acrylonitrile	5.269	53	5943	19.292	ug/l #	85
16) Acetone	4.028	43	6307	16.142	ug/l #	72
17) Carbon Disulfide	4.275	76	19523	4.237	ug/l	99
18) Methyl Acetate	4.563	43	4290	3.804	ug/l #	58
19) Methyl tert-butyl Ether	5.328	73	10973	3.703	ug/l	93
20) Methylene Chloride	4.810	84	11231	5.841	ug/l #	86
21) trans-1,2-Dichloroethene	5.328	96	6449	3.928	ug/l	94
22) Diisopropyl ether	6.228	45	15465	3.900	ug/l #	86
23) Vinyl Acetate	6.163	43	28472	14.572	ug/l #	91
24) 1,1-Dichloroethane	6.122	63	11699	4.269	ug/l	95
25) 2-Butanone	7.081	43	8716	18.877	ug/l #	72
26) 2,2-Dichloropropane	7.081	77	8592	3.743	ug/l	88
27) cis-1,2-Dichloroethene	7.087	96	7296	4.137	ug/l	87
28) Bromochloromethane	7.439	49	3990	3.733	ug/l #	73
29) Tetrahydrofuran	7.445	42	4489	20.760	ug/l #	69
30) Chloroform	7.598	83	12094	4.340	ug/l	100
31) Cyclohexane	7.881	56	12169	5.021	ug/l #	87
32) 1,1,1-Trichloroethane	7.804	97	9140	3.797	ug/l	96
36) 1,1-Dichloropropene	8.016	75	9069	3.748	ug/l	91
38) Carbon Tetrachloride	7.992	117	8462	3.541	ug/l	90
39) Methylcyclohexane	9.275	83	9461	3.306	ug/l	98
40) Benzene	8.251	78	25580	3.725	ug/l	97
41) Methacrylonitrile	7.392	41	1823	3.685	ug/l #	60

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.334	62	6890	3.856	ug/l	96
43) Isopropyl Acetate	8.363	43	5735	3.475	ug/l #	79
44) Trichloroethene	9.039	130	6119	3.483	ug/l	98
45) 1,2-Dichloropropane	9.304	63	6564	3.852	ug/l	92
46) Dibromomethane	9.404	93	3233	3.455	ug/l	87
47) Bromodichloromethane	9.586	83	8659	3.684	ug/l	98
48) Methyl methacrylate	9.386	41	3292	3.445	ug/l #	76
49) 1,4-Dioxane	9.392	88	792	87.468	ug/l #	78
51) 4-Methyl-2-Pentanone	10.163	43	13935	16.068	ug/l #	85
52) Toluene	10.333	92	15376	3.532	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	7474	3.446	ug/l #	86
54) cis-1,3-Dichloropropene	10.016	75	9293	3.575	ug/l #	88
55) 1,1,2-Trichloroethane	10.733	97	4330	3.458	ug/l #	86
56) Ethyl methacrylate	10.598	69	2955	2.883	ug/l #	66
57) 1,3-Dichloropropane	10.880	76	8025	3.748	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	9540	15.531	ug/l	89
59) 2-Hexanone	10.928	43	10546	14.964	ug/l	80
60) Dibromochloromethane	11.075	129	5411	3.665	ug/l	94
61) 1,2-Dibromoethane	11.175	107	4342	3.762	ug/l	87
64) Tetrachloroethene	10.816	164	4380	3.295	ug/l #	77
65) Chlorobenzene	11.610	112	17403	3.875	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.680	131	5633	3.509	ug/l	92
67) Ethyl Benzene	11.686	91	26984	3.301	ug/l	98
68) m/p-Xylenes	11.792	106	20332	6.513	ug/l	95
69) o-Xylene	12.122	106	8658	3.056	ug/l	83
70) Styrene	12.139	104	12821	3.020	ug/l #	89
71) Bromoform	12.304	173	2590	3.258	ug/l #	95
73) Isopropylbenzene	12.422	105	24521	3.674	ug/l	92
74) N-amyl acetate	12.233	43	4317	3.380	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.674	83	4535	3.651	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	6416	7.880	ug/l #	100
77) Bromobenzene	12.698	156	6039	4.126	ug/l	79
78) n-propylbenzene	12.763	91	30604	3.697	ug/l	95
79) 2-Chlorotoluene	12.851	91	16797	3.802	ug/l	92
80) 1,3,5-Trimethylbenzene	12.904	105	18401	3.325	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.469	75	1335	3.532	ug/l #	68
82) 4-Chlorotoluene	12.945	91	17749	3.811	ug/l	90
83) tert-Butylbenzene	13.169	119	16397	3.544	ug/l	97
84) 1,2,4-Trimethylbenzene	13.216	105	18369	3.282	ug/l	92
85) sec-Butylbenzene	13.345	105	24623	3.515	ug/l	94
86) p-Isopropyltoluene	13.463	119	20990	3.443	ug/l	93
87) 1,3-Dichlorobenzene	13.457	146	11854	3.912	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	11892	3.973	ug/l	84
89) n-Butylbenzene	13.786	91	20779	3.501	ug/l	95
90) Hexachloroethane	14.051	117	4389	3.670	ug/l	89
91) 1,2-Dichlorobenzene	13.833	146	10213	4.008	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	687	3.871	ug/l	74
93) 1,2,4-Trichlorobenzene	15.098	180	5361	3.404	ug/l	97
94) Hexachlorobutadiene	15.204	225	2828	3.716	ug/l	86
95) Naphthalene	15.327	128	9388	3.188	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.515	180	4501	3.406	ug/l	97

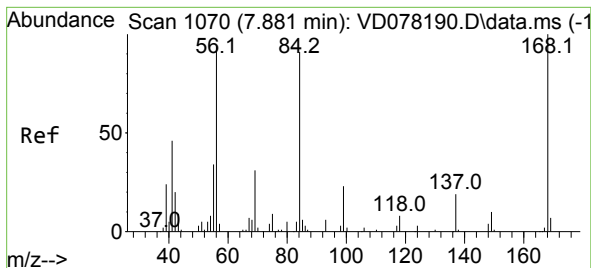
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078223.D

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Instrument :

MSVOA_D

ClientSampleId :

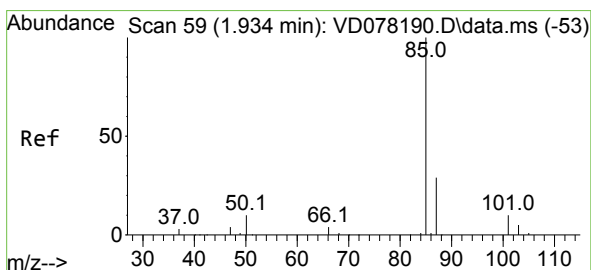
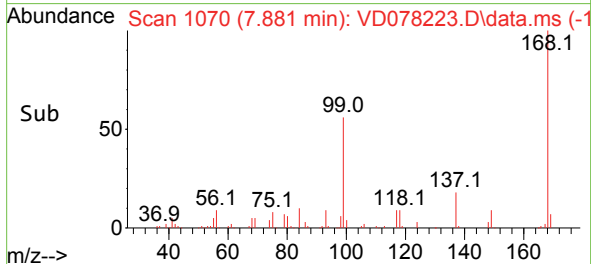
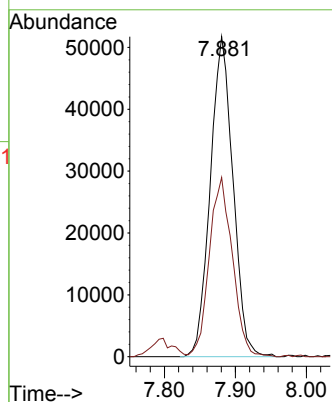
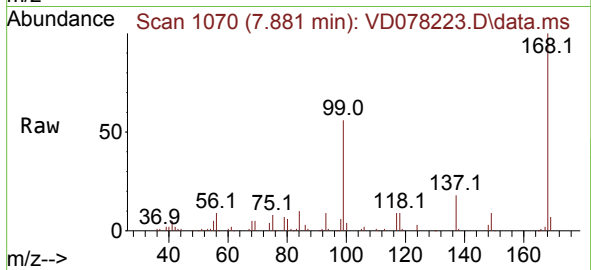
MDL-SOIL-03-QT1-2024

Tgt Ion:168 Resp: 114814

Ion Ratio Lower Upper

168 100

99 56.0 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 4.102 ug/l

RT: 1.940 min Scan# 60

Delta R.T. 0.006 min

Lab File: VD078223.D

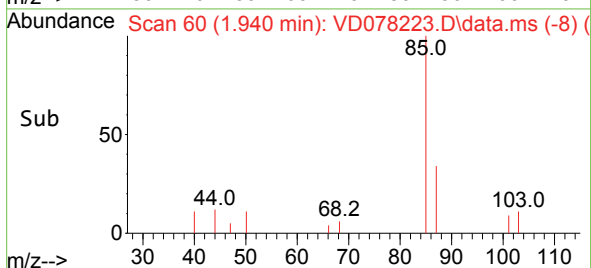
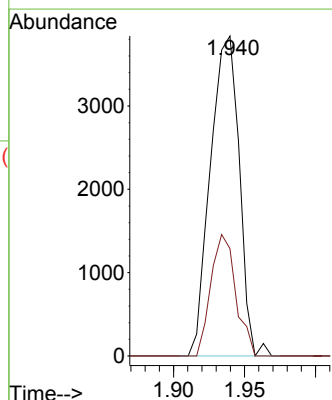
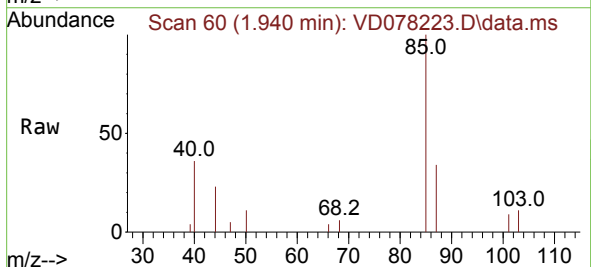
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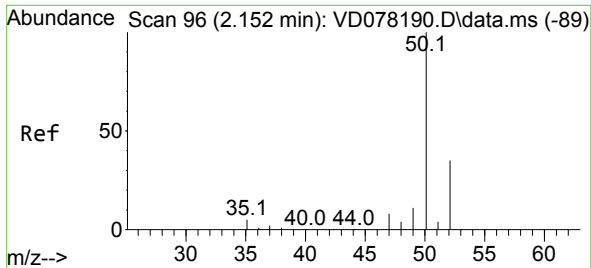
Tgt Ion: 85 Resp: 5425

Ion Ratio Lower Upper

85 100

87 33.5 15.7 47.0

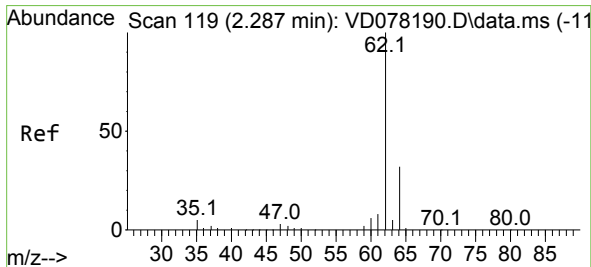
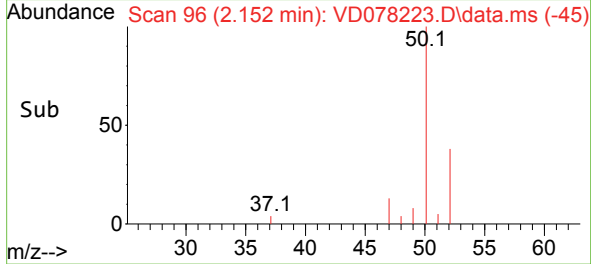
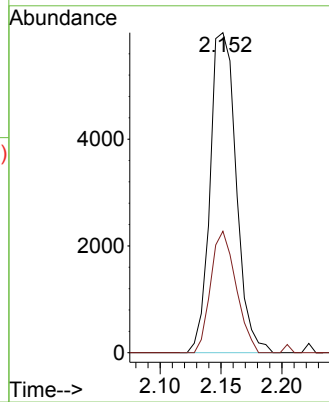
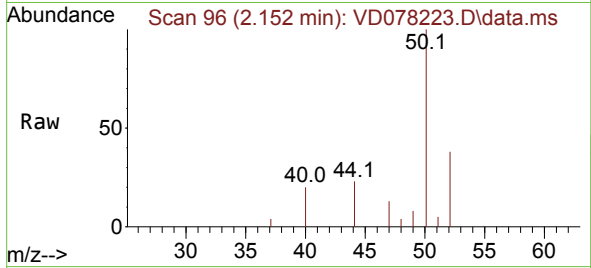




#3
Chloromethane
Concen: 4.196 ug/l
RT: 2.152 min Scan# 96
Delta R.T. -0.001 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

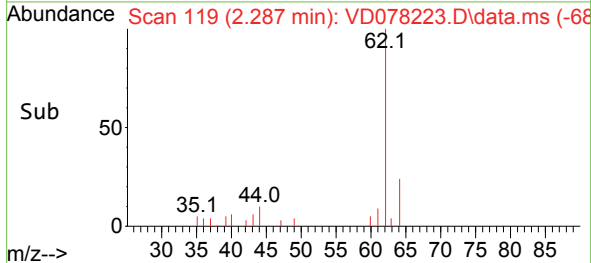
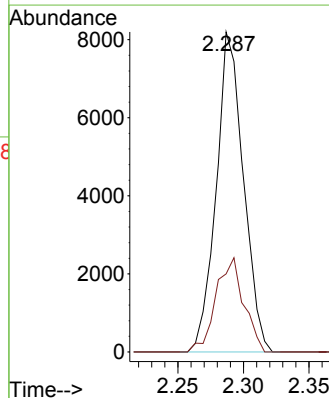
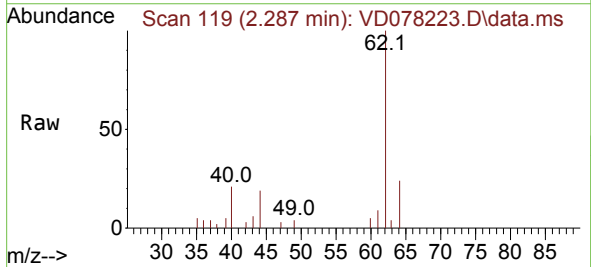
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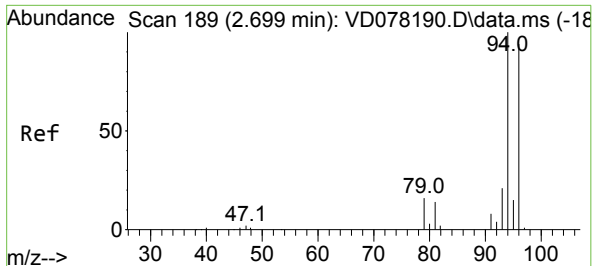
Tgt Ion: 50 Resp: 8952
Ion Ratio Lower Upper
50 100
52 37.9 26.6 40.0



#4
Vinyl Chloride
Concen: 4.338 ug/l
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 62 Resp: 11811
Ion Ratio Lower Upper
62 100
64 24.4 26.0 39.0

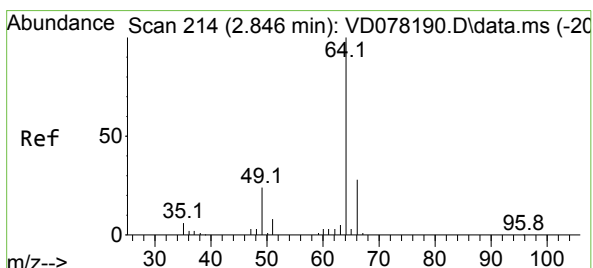
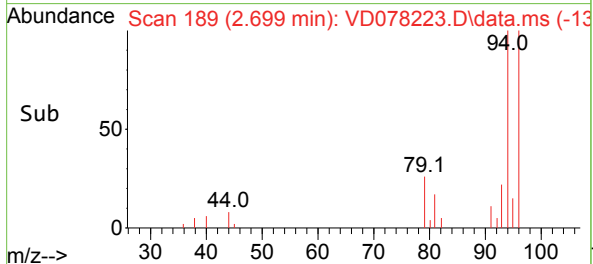
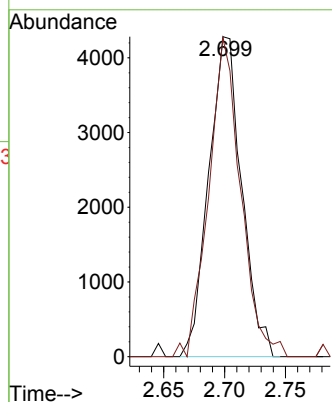
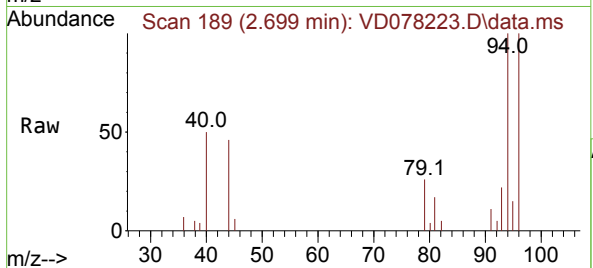




#5
Bromomethane
Concen: 4.073 ug/l
RT: 2.699 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

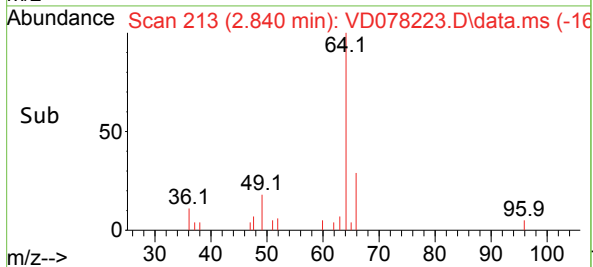
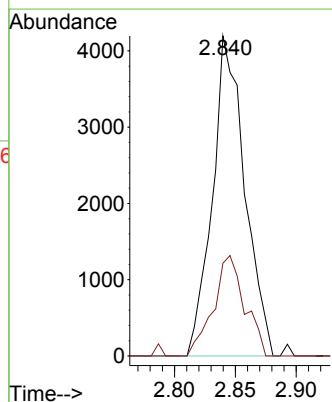
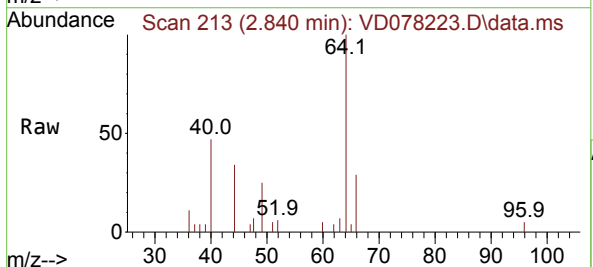
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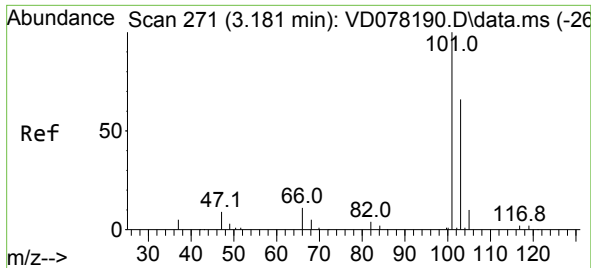
Tgt Ion: 94 Resp: 8092
Ion Ratio Lower Upper
94 100
96 96.5 75.8 113.8



#6
Chloroethane
Concen: 4.074 ug/l
RT: 2.840 min Scan# 213
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 64 Resp: 7747
Ion Ratio Lower Upper
64 100
66 28.9 25.5 38.3

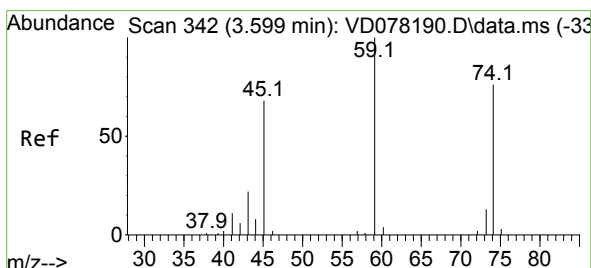
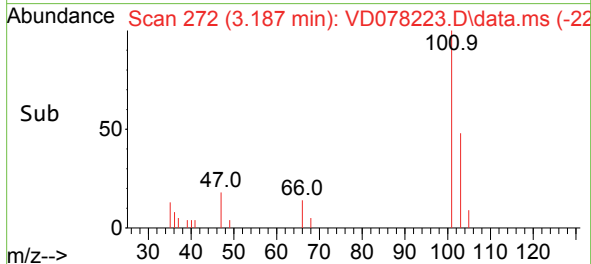
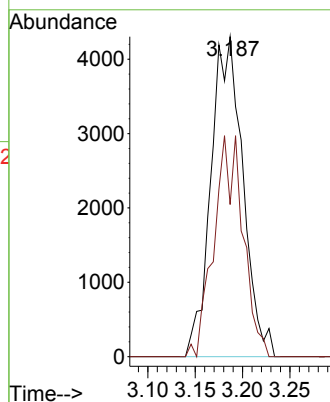
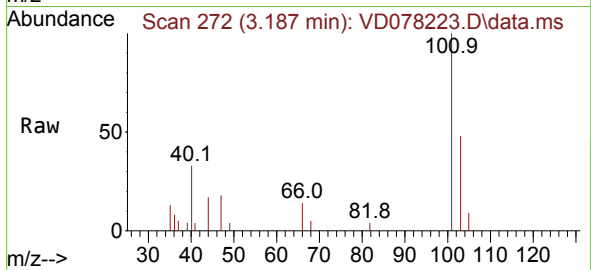




#7
 Trichlorofluoromethane
 Concen: 4.068 ug/l
 RT: 3.187 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

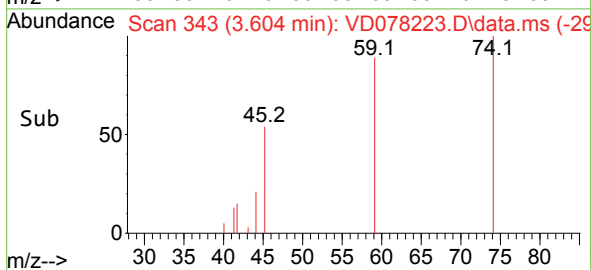
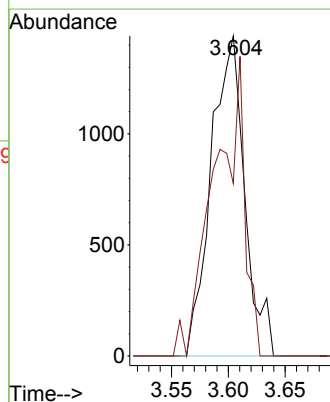
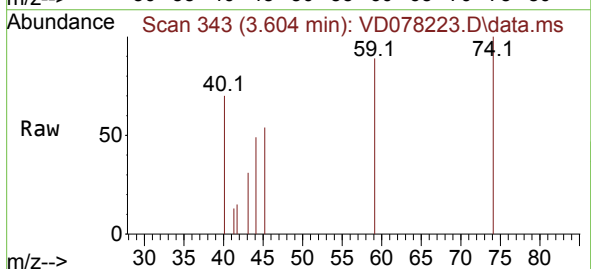
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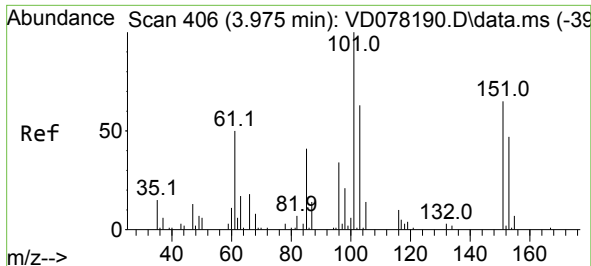
Tgt Ion:101 Resp: 10073
 Ion Ratio Lower Upper
 101 100
 103 47.5 52.3 78.5#



#8
 Diethyl Ether
 Concen: 4.306 ug/l
 RT: 3.604 min Scan# 343
 Delta R.T. 0.006 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Tgt Ion: 74 Resp: 2956
 Ion Ratio Lower Upper
 74 100
 45 84.0 37.5 112.7

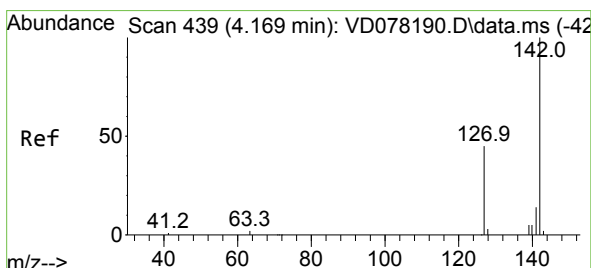
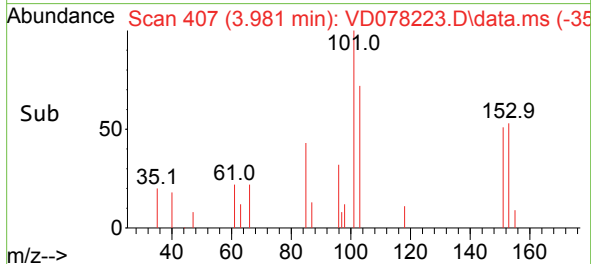
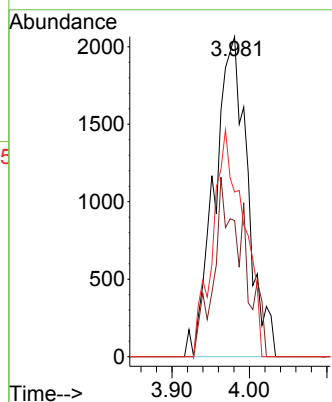
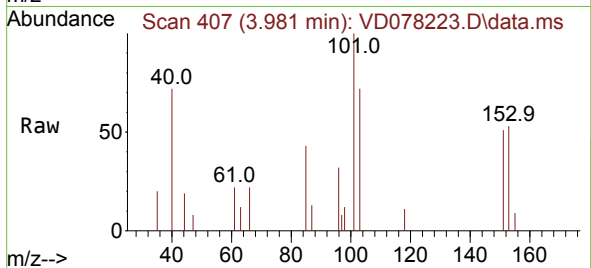




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.265 ug/l
RT: 3.981 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD078223.D
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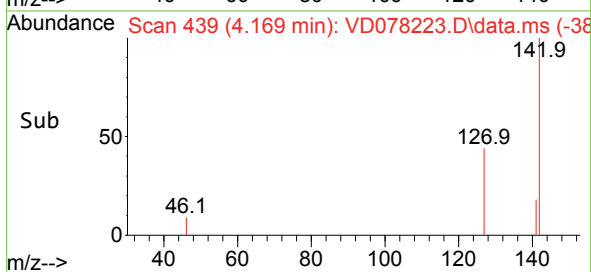
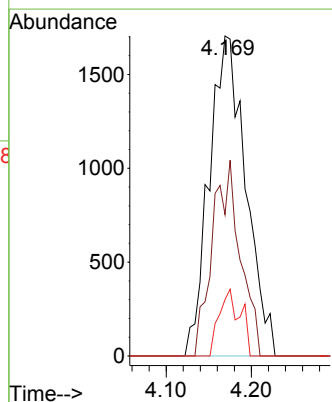
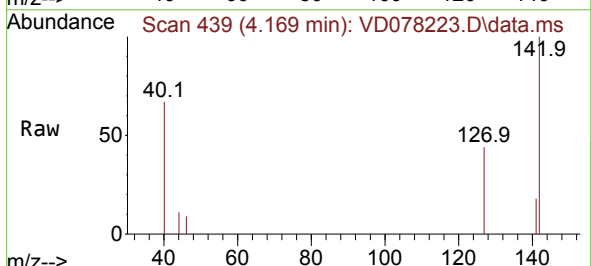
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MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

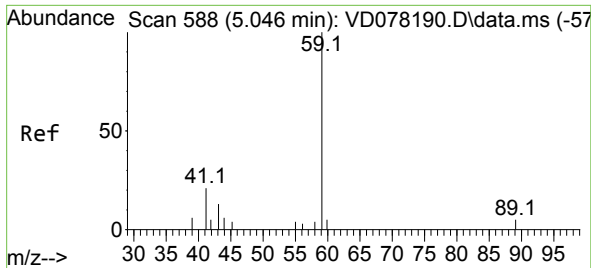
Tgt Ion:101 Resp: 6118
Ion Ratio Lower Upper
101 100
85 50.1 33.8 50.6
151 66.7 59.8 89.6



#10
Methyl Iodide
Concen: 3.539 ug/l
RT: 4.169 min Scan# 439
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion:142 Resp: 5088
Ion Ratio Lower Upper
142 100
127 46.6 29.4 44.0#
141 12.0 11.1 16.7

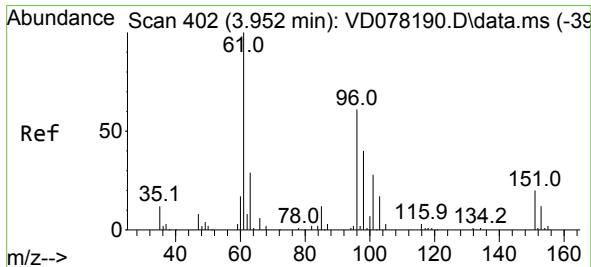
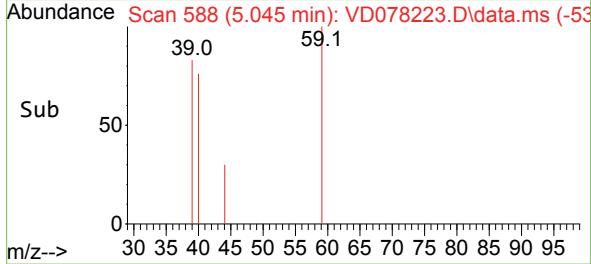
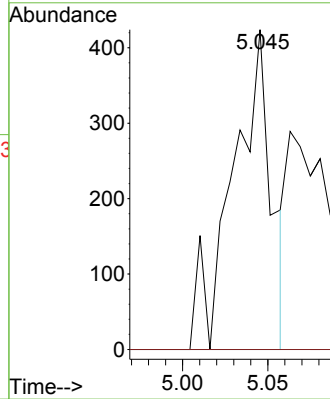
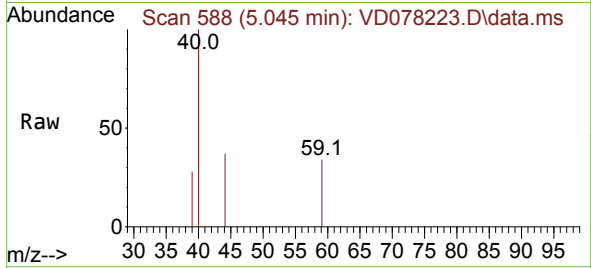




#11
Tert butyl alcohol
Concen: 10.306 ug/l
RT: 5.045 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

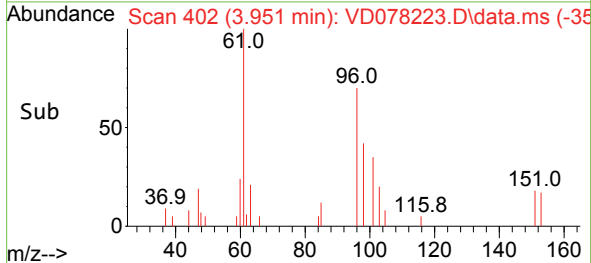
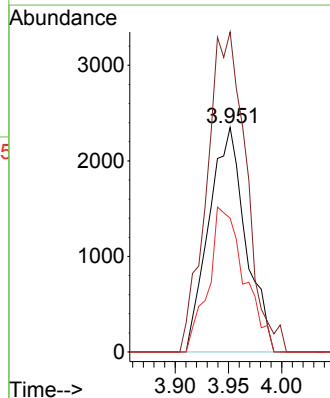
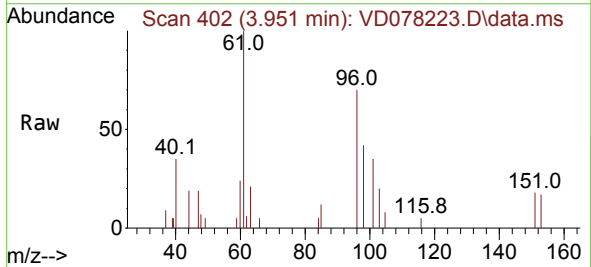
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

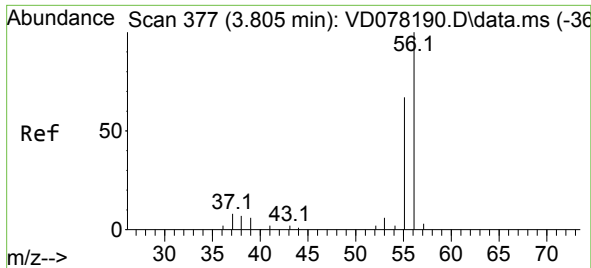
Tgt Ion: 59 Resp: 665
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 3.972 ug/l
RT: 3.951 min Scan# 402
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 96 Resp: 5643
Ion Ratio Lower Upper
96 100
61 142.6 100.6 150.8
98 59.6 50.2 75.2

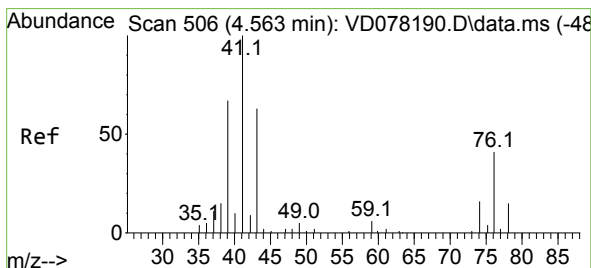
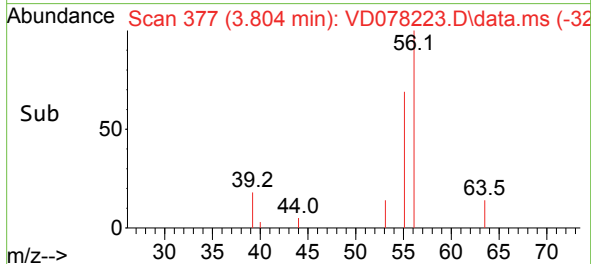
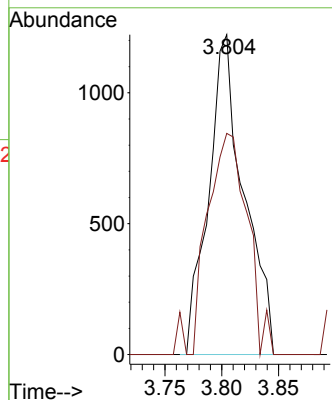
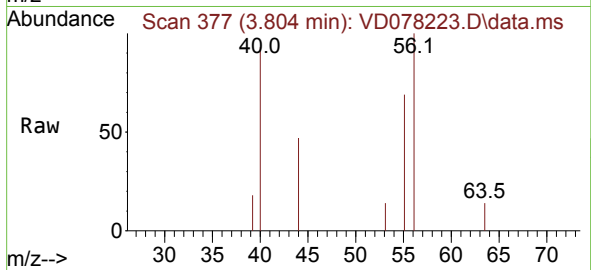




#13
Acrolein
Concen: 17.863 ug/l
RT: 3.804 min Scan# 31
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

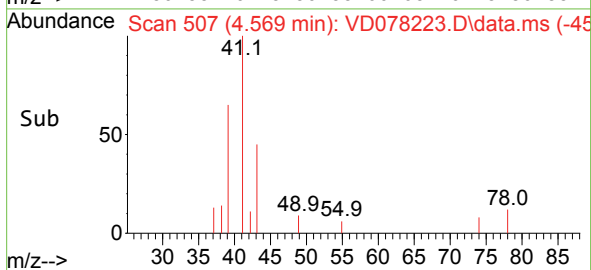
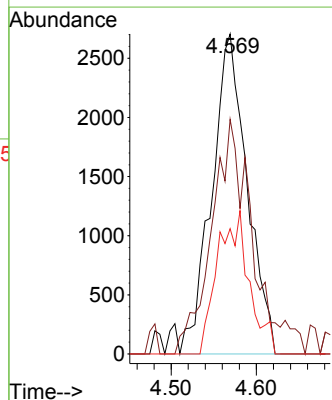
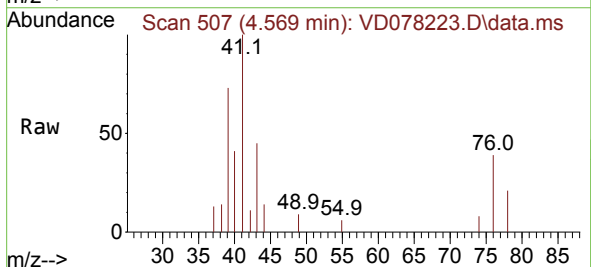
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

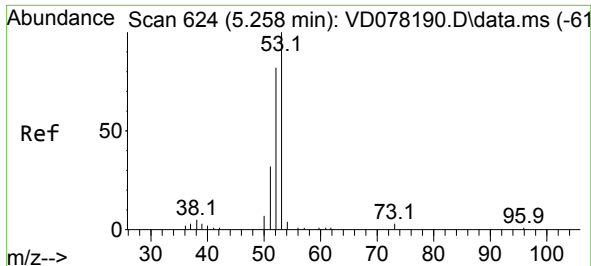
Tgt Ion: 56 Resp: 2646
Ion Ratio Lower Upper
56 100
55 79.4 55.1 82.7



#14
Allyl chloride
Concen: 4.174 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 41 Resp: 7822
Ion Ratio Lower Upper
41 100
39 84.7 53.8 80.6#
76 39.9 45.8 68.8#

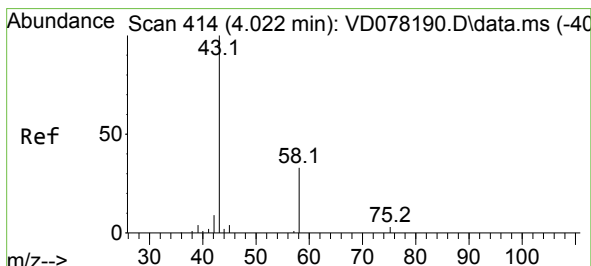
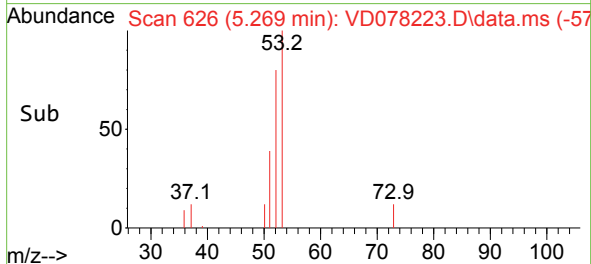
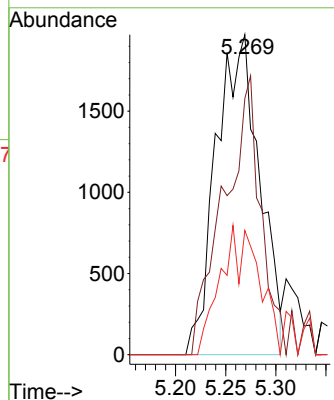
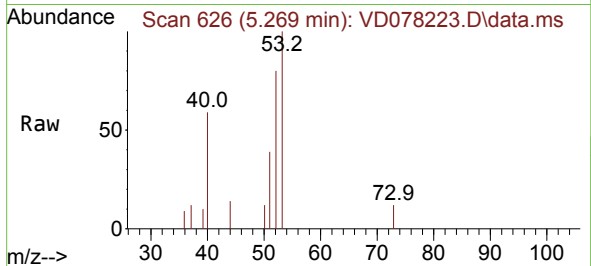




#15
Acrylonitrile
Concen: 19.292 ug/l
RT: 5.269 min Scan# 615
Delta R.T. 0.011 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

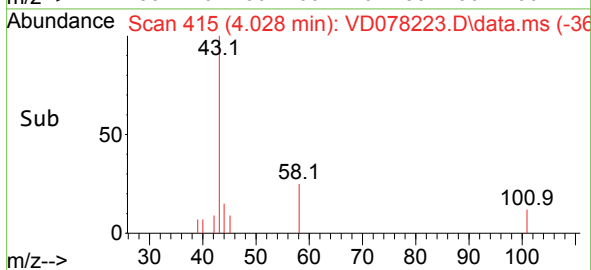
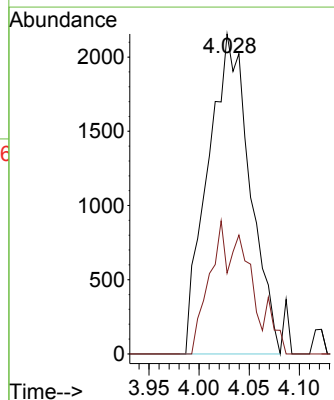
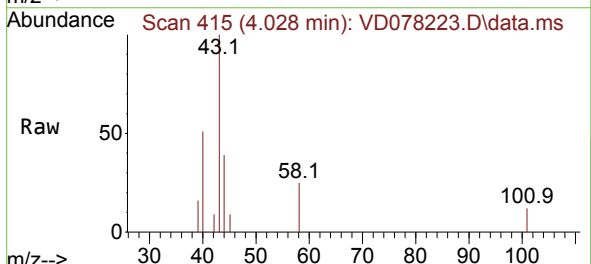
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

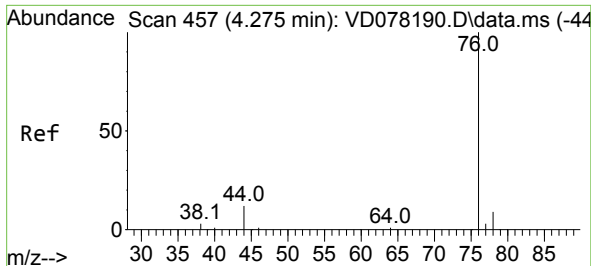
Tgt Ion:	53	Resp:	5943
Ion	Ratio	Lower	Upper
53	100		
52	73.5	65.0	97.4
51	18.1	28.3	42.5#



#16
Acetone
Concen: 16.142 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion:	43	Resp:	6307
Ion	Ratio	Lower	Upper
43	100		
58	25.2	34.7	52.1#

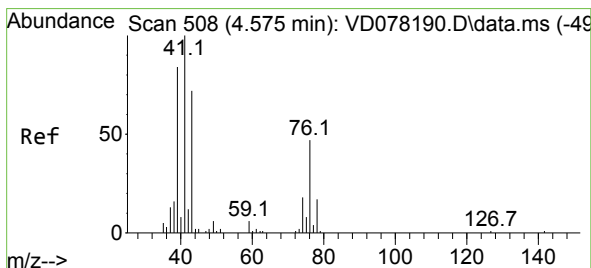
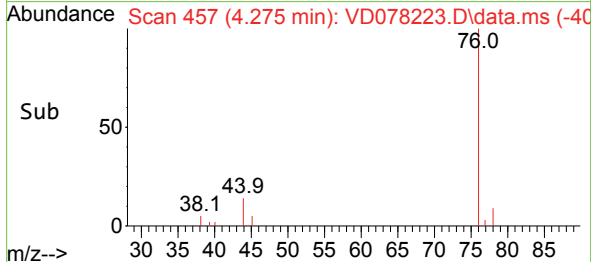
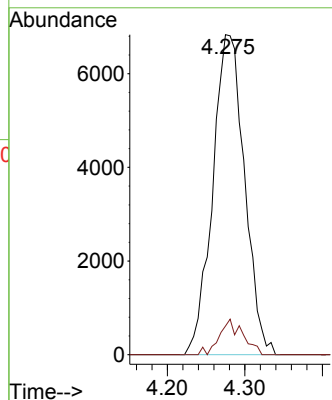
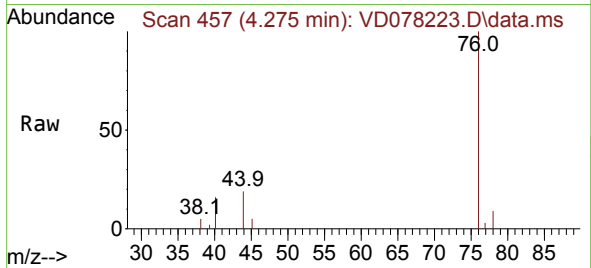




#17
Carbon Disulfide
Concen: 4.237 ug/l
RT: 4.275 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

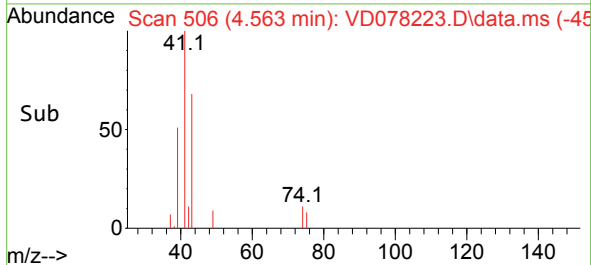
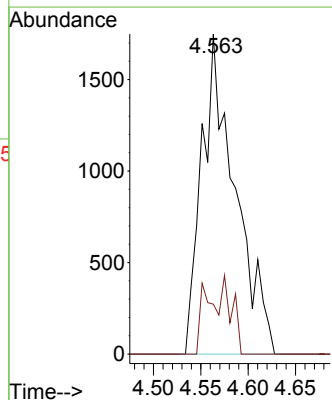
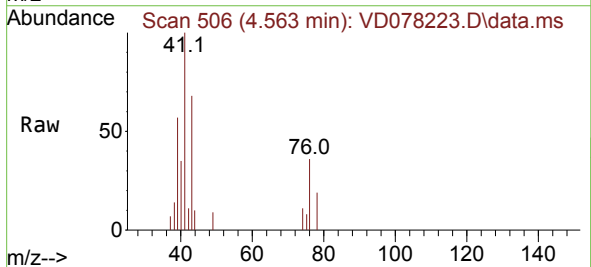
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

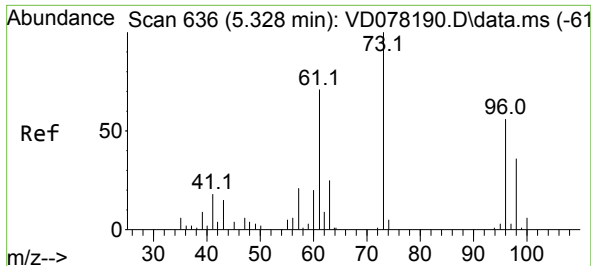
Tgt Ion: 76 Resp: 19523
Ion Ratio Lower Upper
76 100
78 9.0 6.8 10.2



#18
Methyl Acetate
Concen: 3.804 ug/l
RT: 4.563 min Scan# 506
Delta R.T. -0.012 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 43 Resp: 4290
Ion Ratio Lower Upper
43 100
74 9.5 26.4 39.6#





#19

Methyl tert-butyl Ether

Concen: 3.703 ug/l

RT: 5.328 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

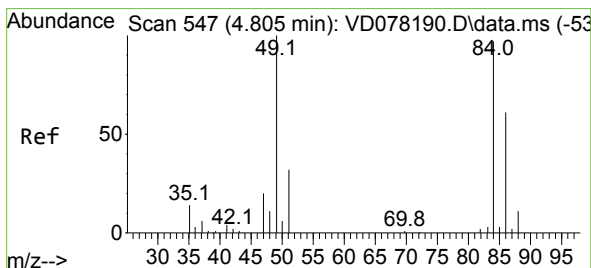
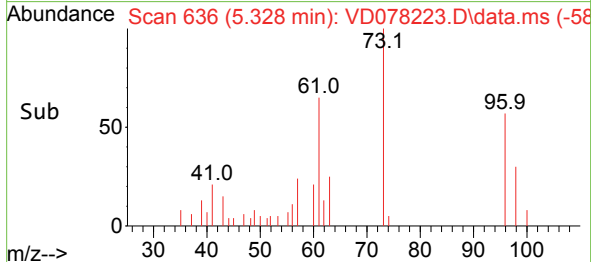
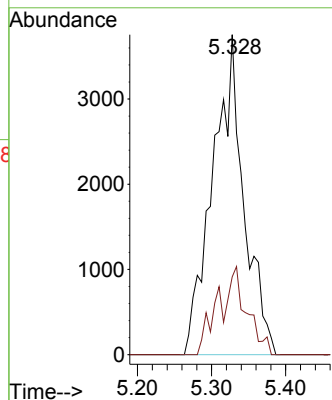
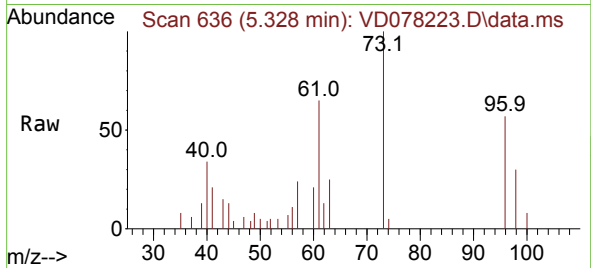
MDL-SOIL-03-QT1-2024

Tgt Ion: 73 Resp: 10973

Ion Ratio Lower Upper

73 100

57 24.3 16.6 25.0



#20

Methylene Chloride

Concen: 5.841 ug/l

RT: 4.810 min Scan# 548

Delta R.T. 0.005 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion: 84 Resp: 11231

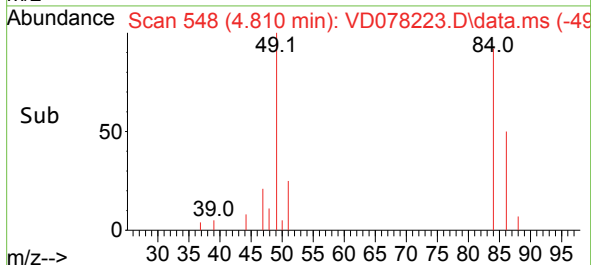
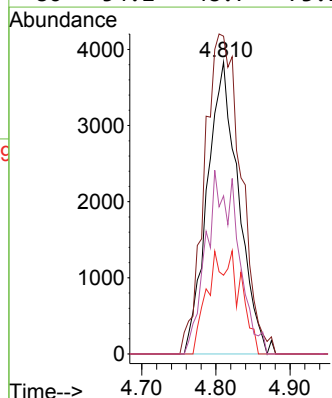
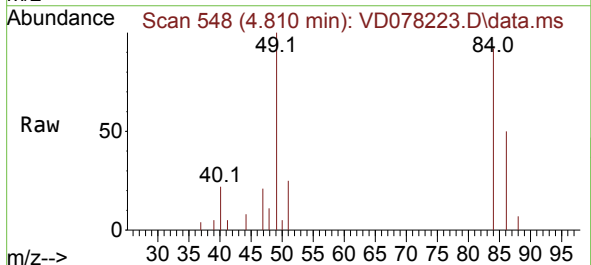
Ion Ratio Lower Upper

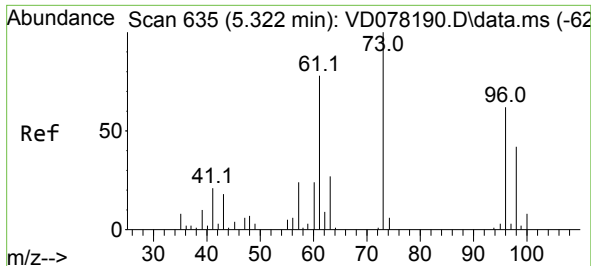
84 100

49 108.9 71.4 107.2#

51 27.0 24.5 36.7

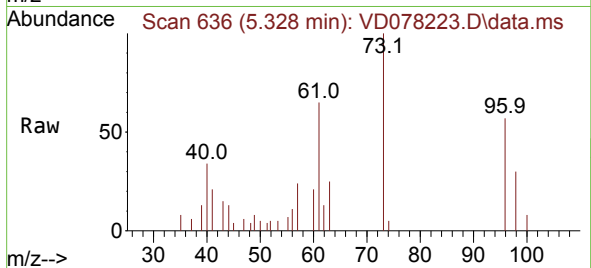
86 54.2 48.7 73.1



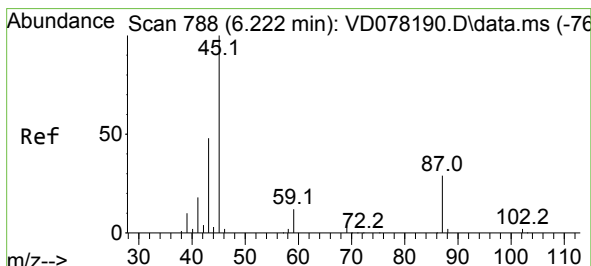
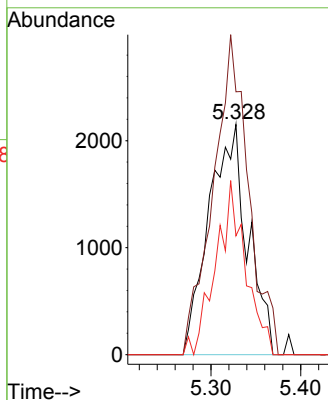
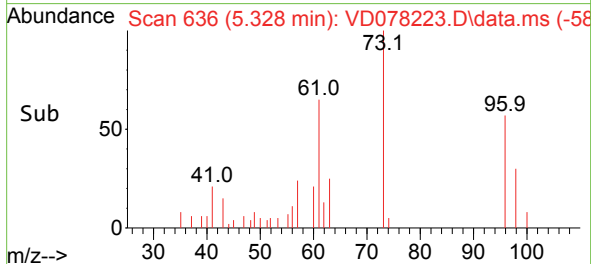


#21
trans-1,2-Dichloroethene
Concen: 3.928 ug/l
RT: 5.328 min Scan# 611
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

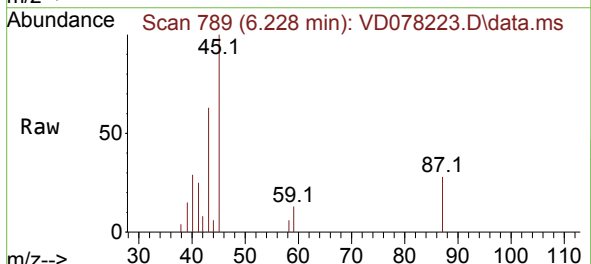
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024



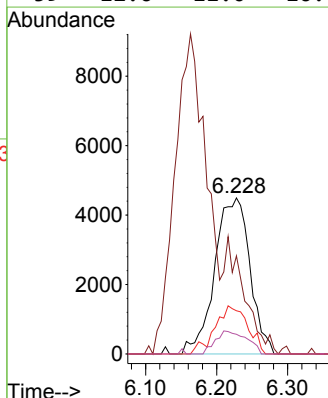
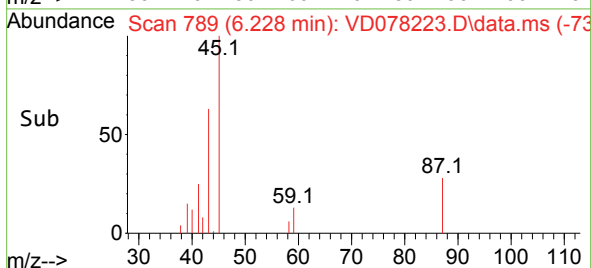
Tgt Ion: 96 Resp: 6449
Ion Ratio Lower Upper
96 100
61 114.2 89.3 133.9
98 51.6 48.6 73.0

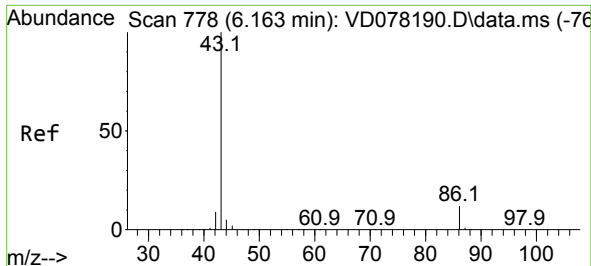


#22
Diisopropyl ether
Concen: 3.900 ug/l
RT: 6.228 min Scan# 789
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19



Tgt Ion: 45 Resp: 15465
Ion Ratio Lower Upper
45 100
43 62.8 40.0 60.0#
87 27.6 28.2 42.4#
59 12.6 11.0 16.4

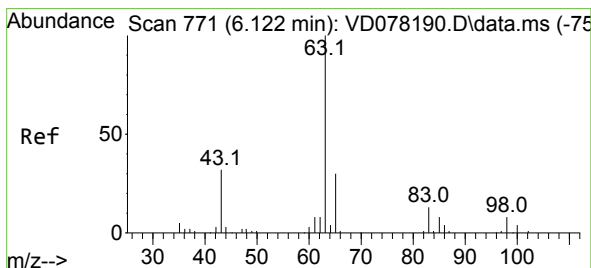
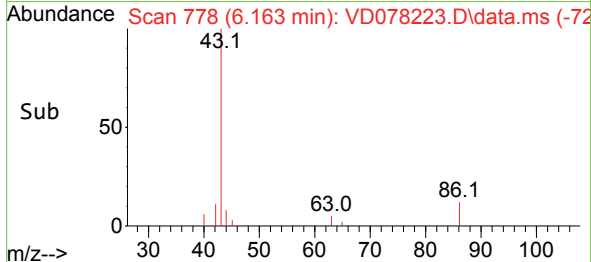
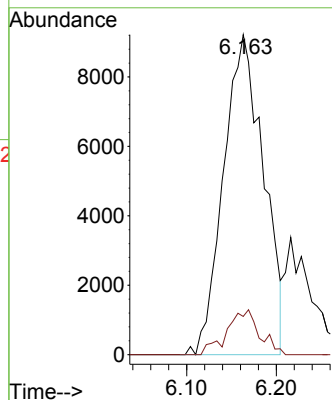
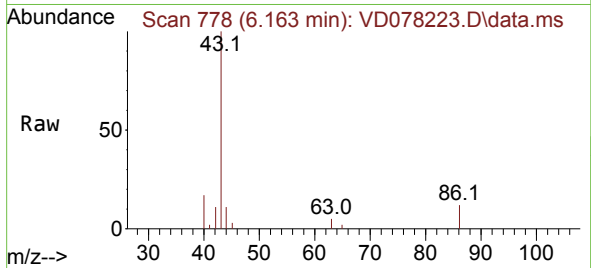




#23
 Vinyl Acetate
 Concen: 14.572 ug/l
 RT: 6.163 min Scan# 778
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

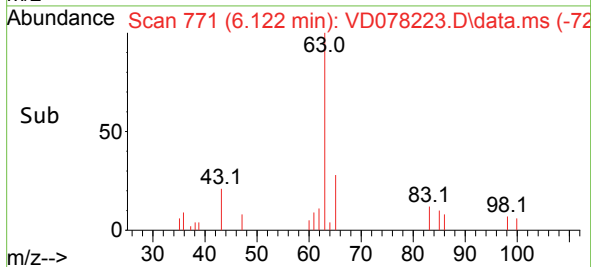
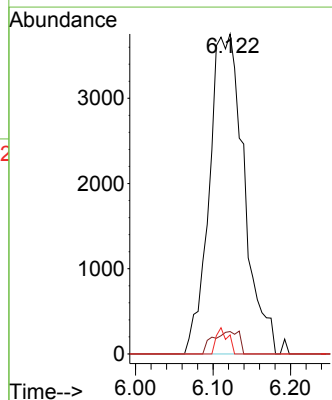
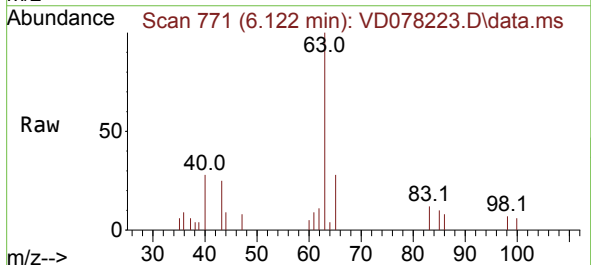
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

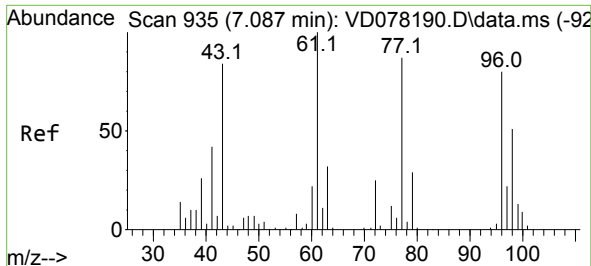
Tgt Ion: 43 Resp: 28472
 Ion Ratio Lower Upper
 43 100
 86 11.9 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 4.269 ug/l
 RT: 6.122 min Scan# 771
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Tgt Ion: 63 Resp: 11699
 Ion Ratio Lower Upper
 63 100
 98 7.0 4.5 13.7
 100 6.0 2.5 7.5

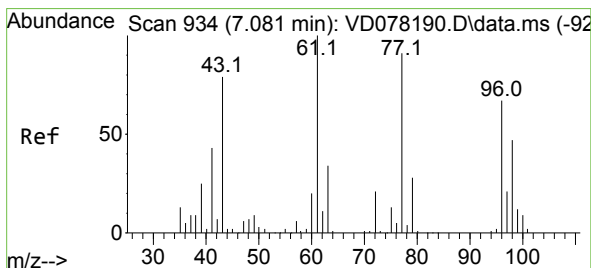
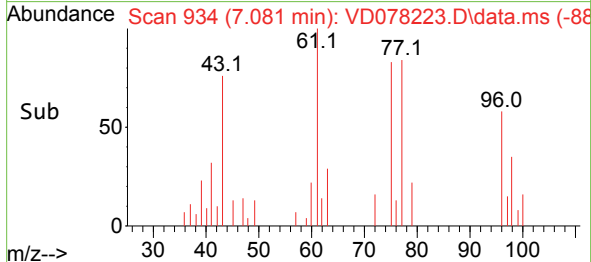
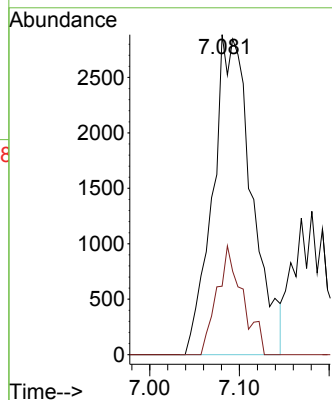
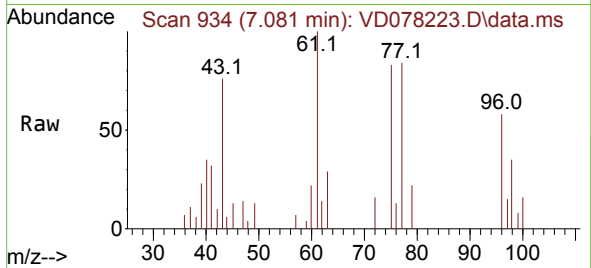




#25
2-Butanone
Concen: 18.877 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

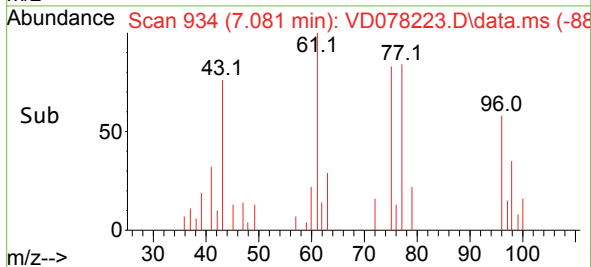
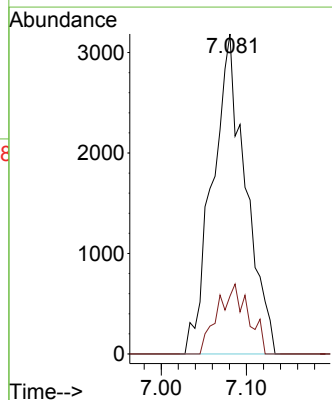
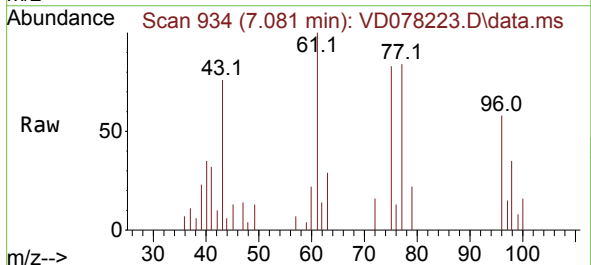
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

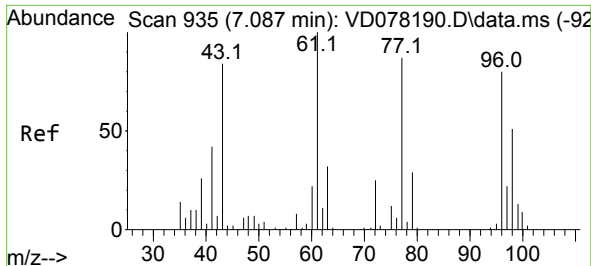
Tgt Ion: 43 Resp: 8716
Ion Ratio Lower Upper
43 100
72 21.4 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 3.743 ug/l
RT: 7.081 min Scan# 934
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 77 Resp: 8592
Ion Ratio Lower Upper
77 100
97 20.3 13.2 39.6

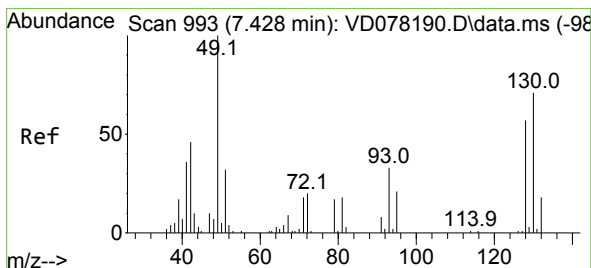
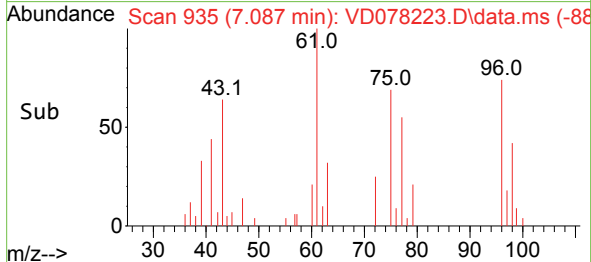
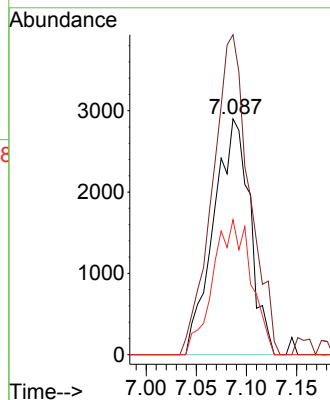
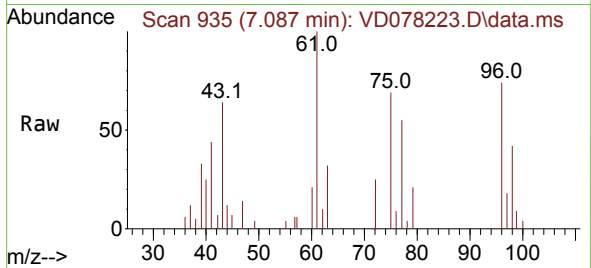




#27
 cis-1,2-Dichloroethene
 Concen: 4.137 ug/l
 RT: 7.087 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

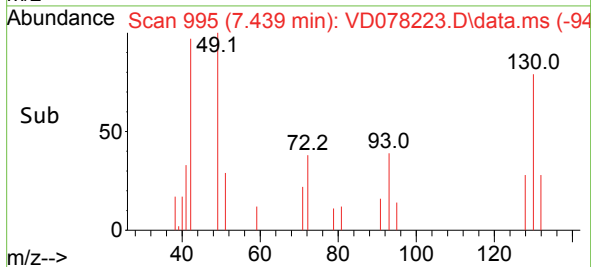
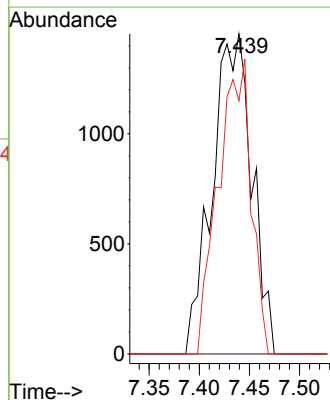
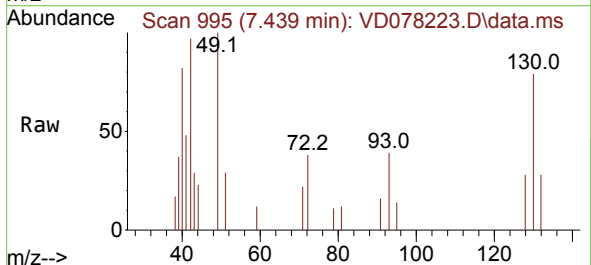
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

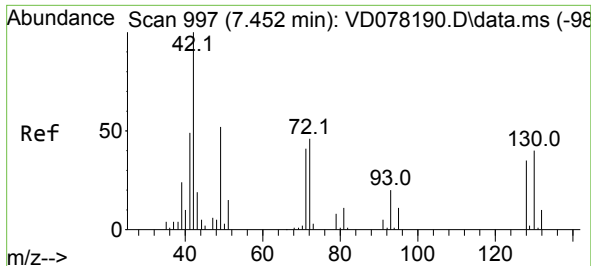
Tgt Ion: 96 Resp: 7296
 Ion Ratio Lower Upper
 96 100
 61 138.2 0.0 239.2
 98 60.3 0.0 128.6



#28
 Bromochloromethane
 Concen: 3.733 ug/l
 RT: 7.439 min Scan# 995
 Delta R.T. 0.011 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Tgt Ion: 49 Resp: 3990
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.0
 130 76.1 83.2 124.8#





#29

Tetrahydrofuran

Concen: 20.760 ug/l

RT: 7.445 min Scan# 997

Delta R.T. -0.006 min

Lab File: VD078223.D

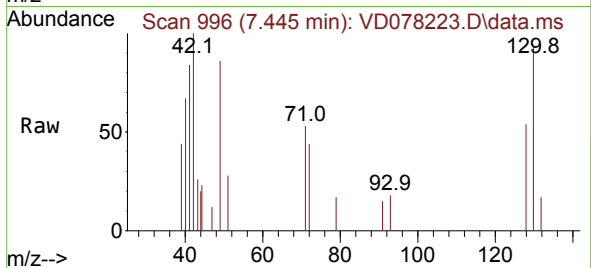
Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024



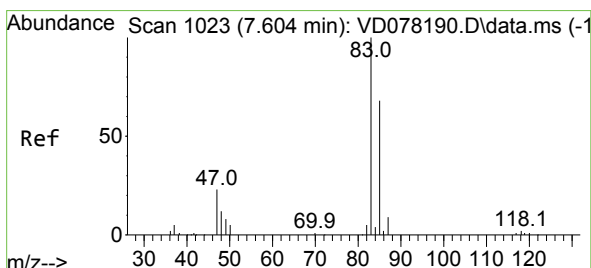
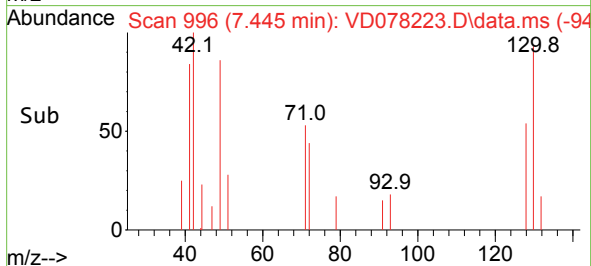
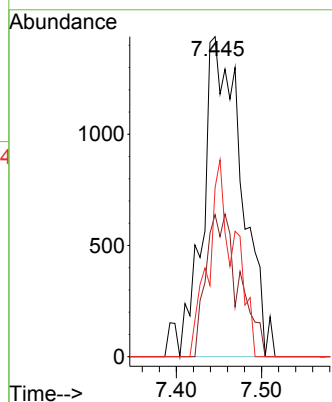
Tgt Ion: 42 Resp: 4489

Ion Ratio Lower Upper

42 100

72 38.6 46.5 69.7#

71 30.0 44.5 66.7#



#30

Chloroform

Concen: 4.340 ug/l

RT: 7.598 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VD078223.D

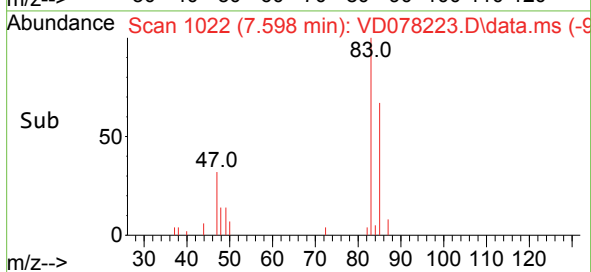
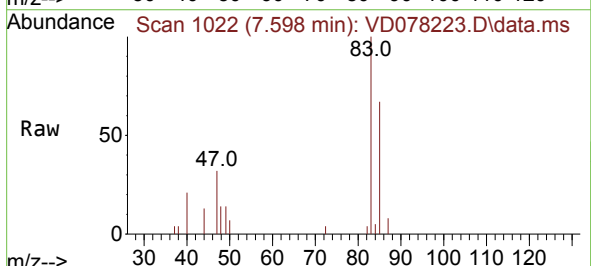
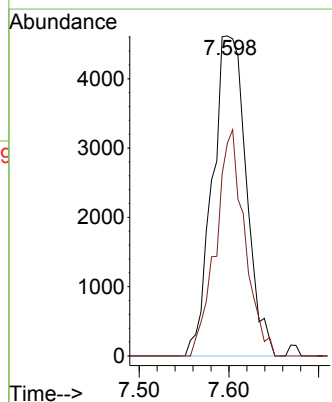
Acq: 24 Jan 2024 15:19

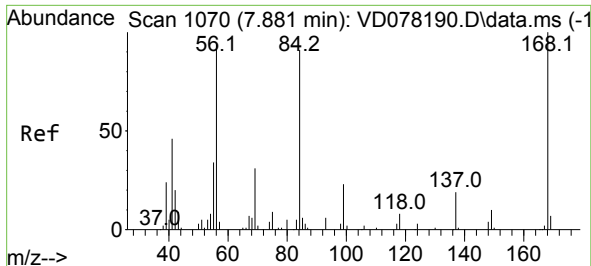
Tgt Ion: 83 Resp: 12094

Ion Ratio Lower Upper

83 100

85 66.5 53.4 80.2

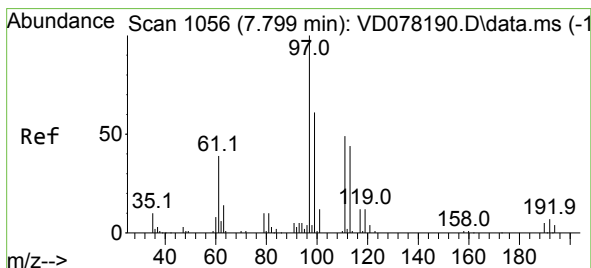
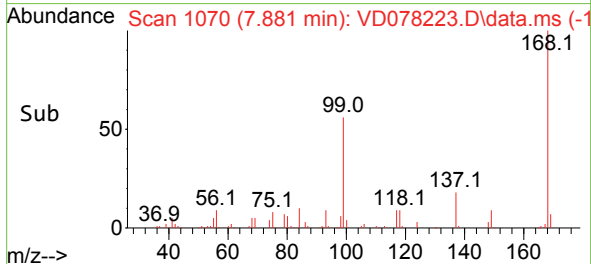
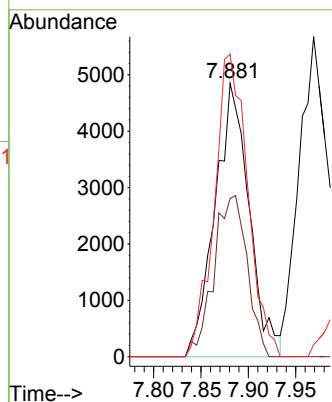
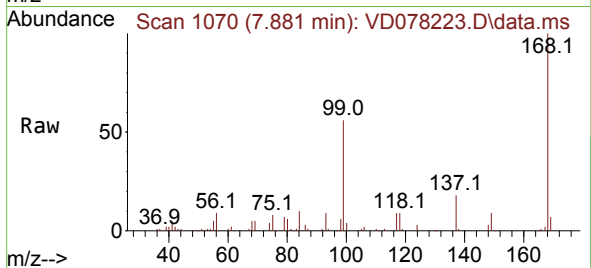




#31
Cyclohexane
Concen: 5.021 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

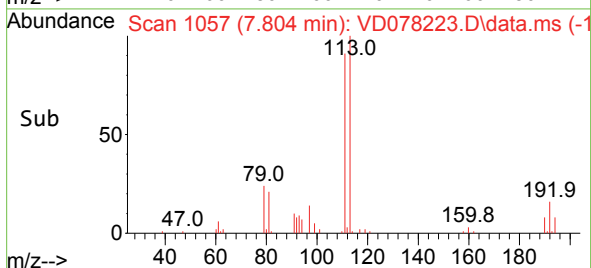
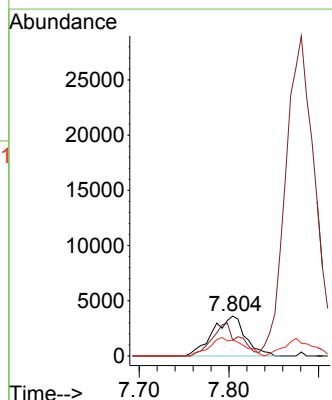
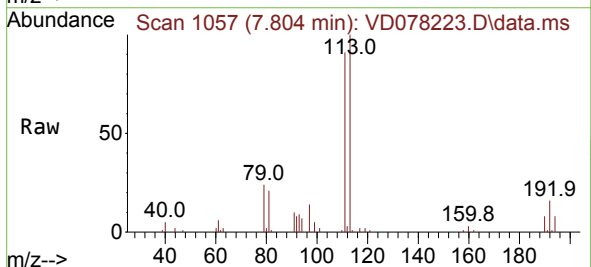
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

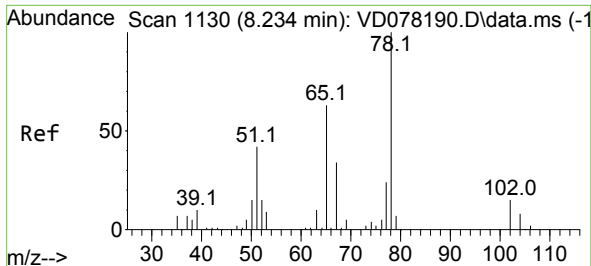
Tgt Ion: 56 Resp: 12169
Ion Ratio Lower Upper
56 100
69 57.9 28.6 43.0#
84 110.7 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 3.797 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 97 Resp: 9140
Ion Ratio Lower Upper
97 100
99 67.7 52.0 78.0
61 46.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 48.466 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

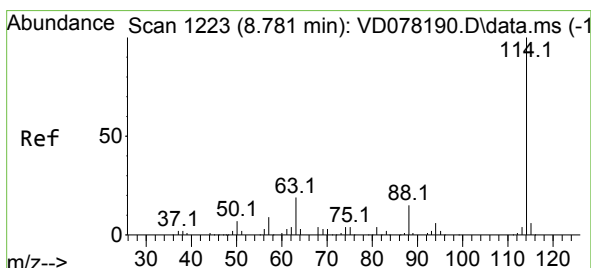
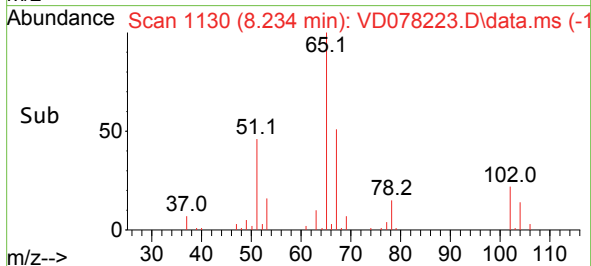
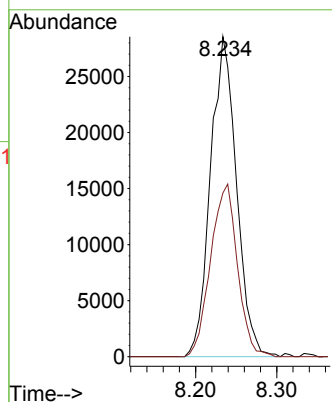
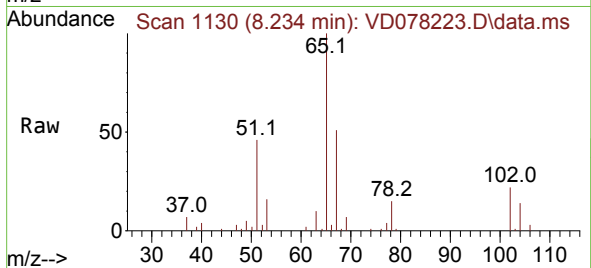
MDL-SOIL-03-QT1-2024

Tgt Ion: 65 Resp: 63525

Ion Ratio Lower Upper

65 100

67 55.7 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: VD078223.D

Acq: 24 Jan 2024 15:19

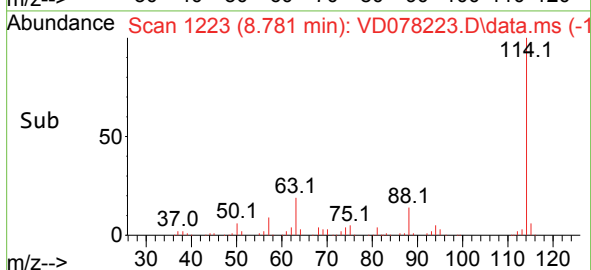
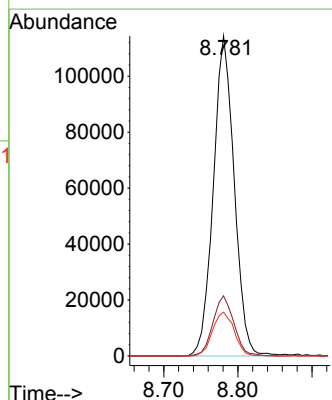
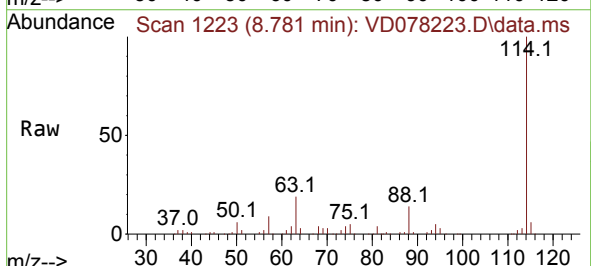
Tgt Ion: 114 Resp: 223589

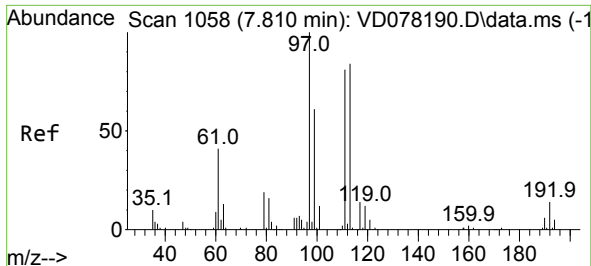
Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 13.7 0.0 26.2

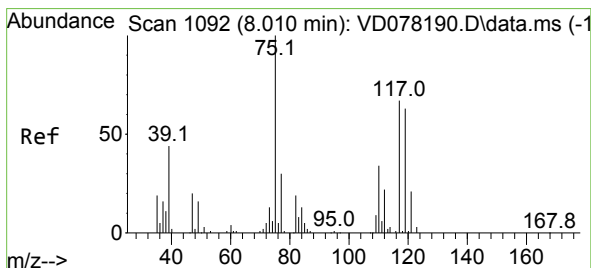
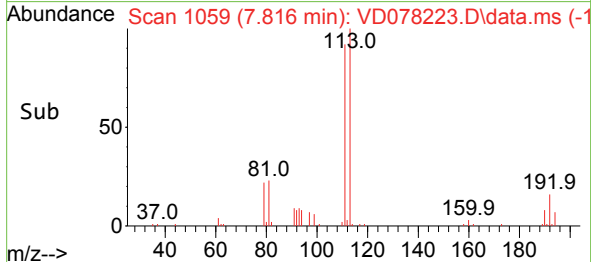
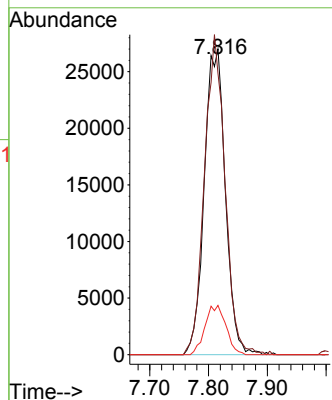
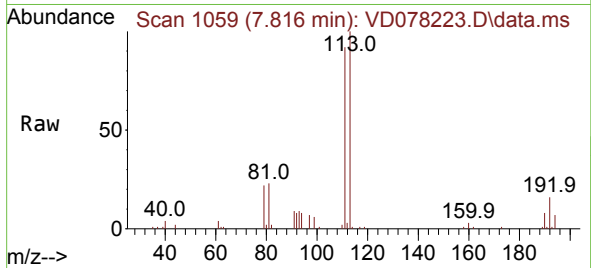




#35
Dibromofluoromethane
Concen: 45.843 ug/l
RT: 7.816 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

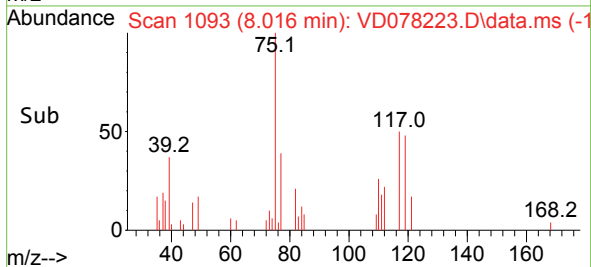
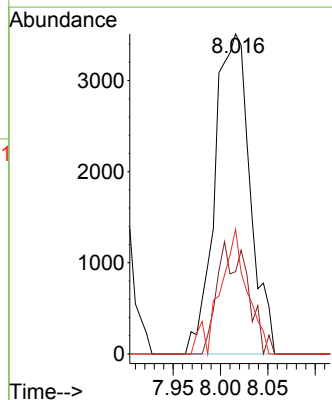
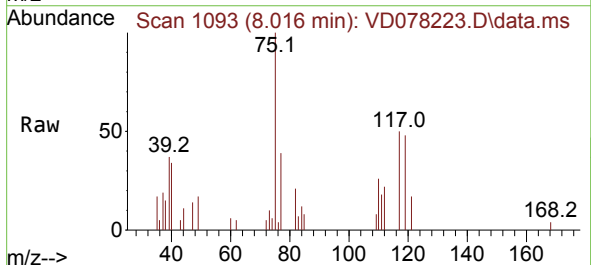
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

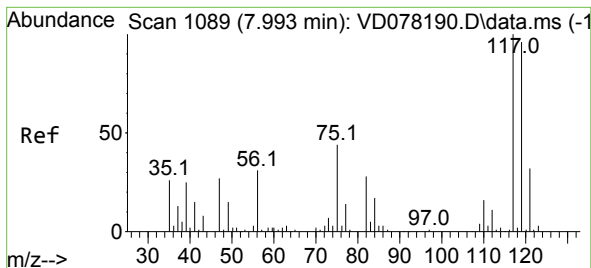
Tgt Ion:113 Resp: 67459
Ion Ratio Lower Upper
113 100
111 101.4 84.7 127.1
192 16.0 16.8 25.2#



#36
1,1-Dichloropropene
Concen: 3.748 ug/l
RT: 8.016 min Scan# 1093
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 75 Resp: 9069
Ion Ratio Lower Upper
75 100
110 30.1 19.9 59.6
77 30.6 24.7 37.1





#38

Carbon Tetrachloride

Concen: 3.541 ug/l

RT: 7.992 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

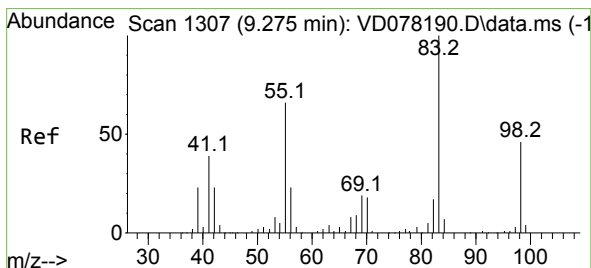
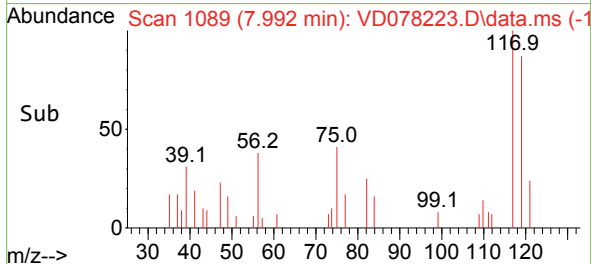
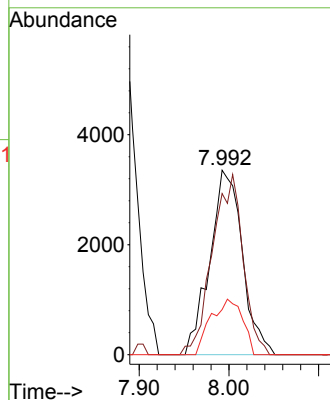
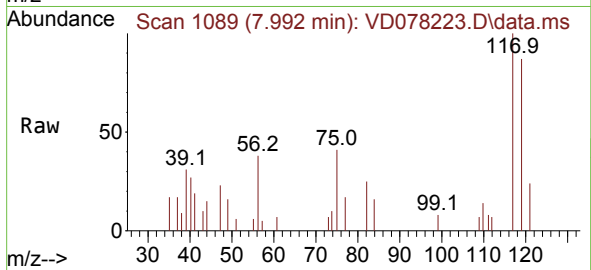
Tgt Ion:117 Resp: 8462

Ion Ratio Lower Upper

117 100

119 87.3 78.0 117.0

121 24.4 24.2 36.2



#39

Methylcyclohexane

Concen: 3.306 ug/l

RT: 9.275 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

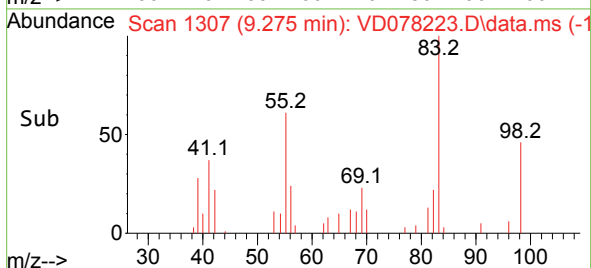
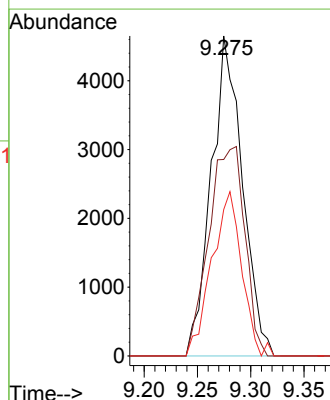
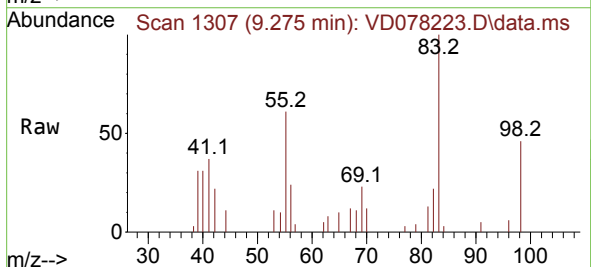
Tgt Ion: 83 Resp: 9461

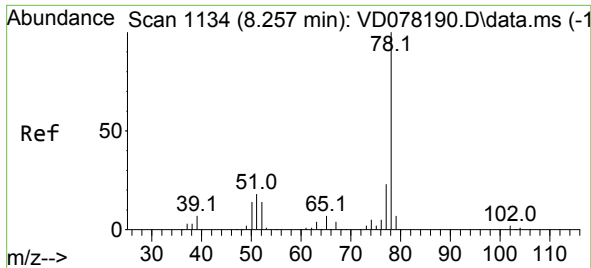
Ion Ratio Lower Upper

83 100

55 61.4 49.4 74.0

98 45.8 38.4 57.6





#40

Benzene

Concen: 3.725 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

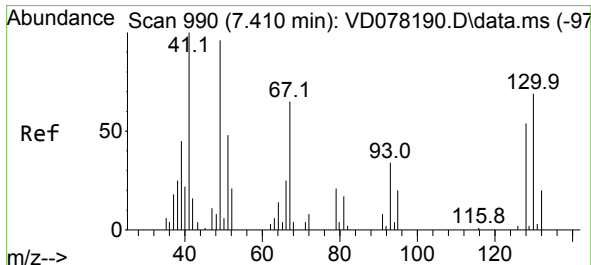
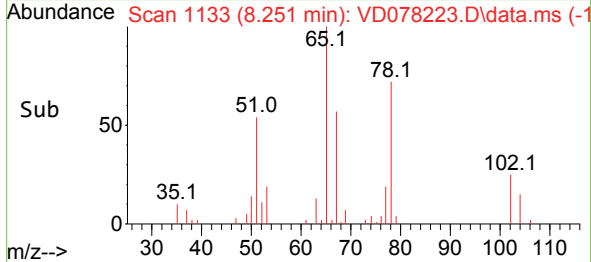
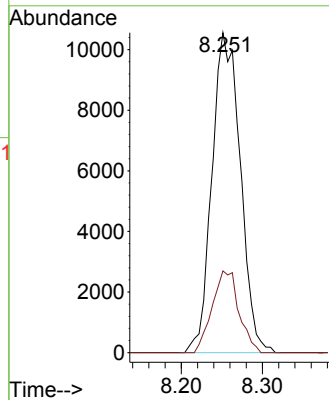
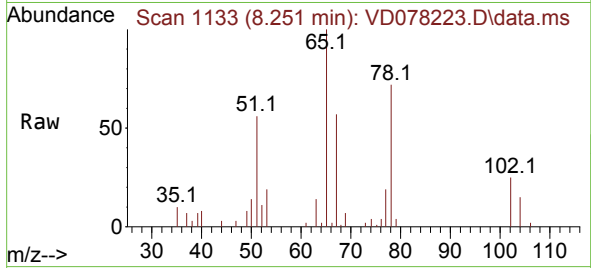
MDL-SOIL-03-QT1-2024

Tgt Ion: 78 Resp: 25580

Ion Ratio Lower Upper

78 100

77 25.6 19.4 29.0



#41

Methacrylonitrile

Concen: 3.685 ug/l

RT: 7.392 min Scan# 987

Delta R.T. -0.018 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Tgt Ion: 41 Resp: 1823

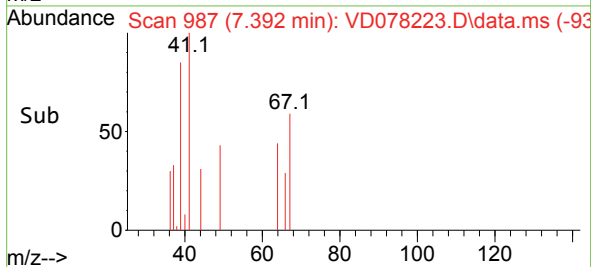
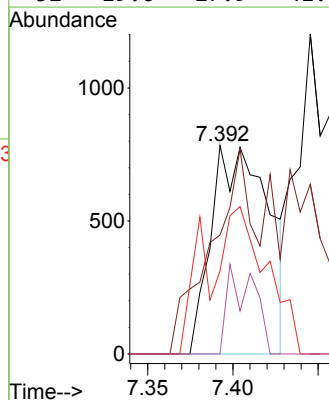
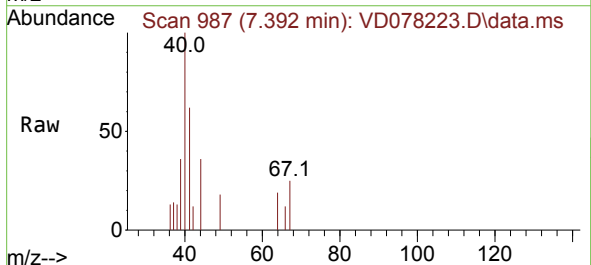
Ion Ratio Lower Upper

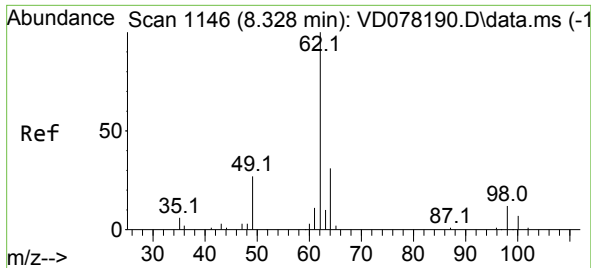
41 100

39 73.7 34.0 51.0#

67 55.5 77.0 115.4#

52 19.6 27.9 41.9#





#42

1,2-Dichloroethane

Concen: 3.856 ug/l

RT: 8.334 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

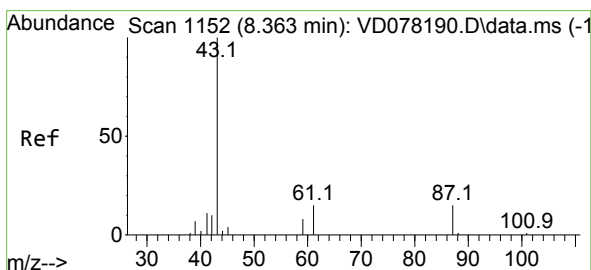
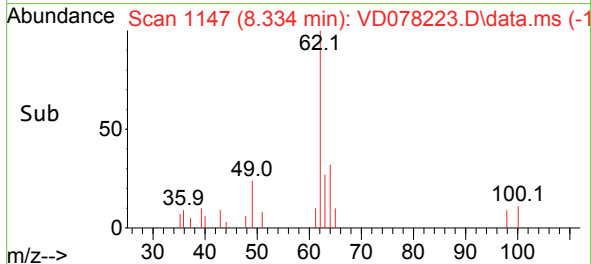
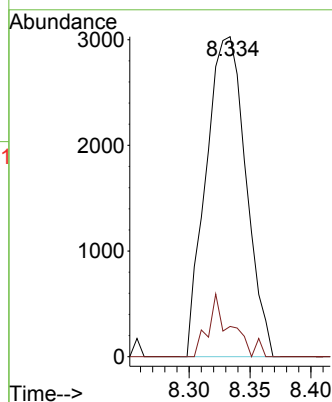
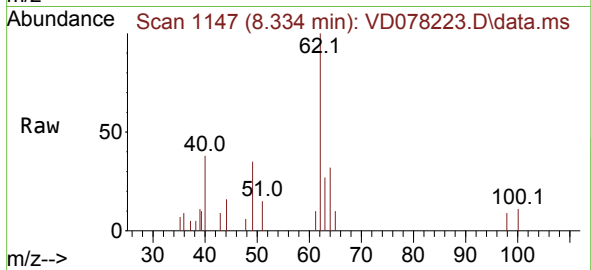
MDL-SOIL-03-QT1-2024

Tgt Ion: 62 Resp: 6890

Ion Ratio Lower Upper

62 100

98 11.2 0.0 25.4



#43

Isopropyl Acetate

Concen: 3.475 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

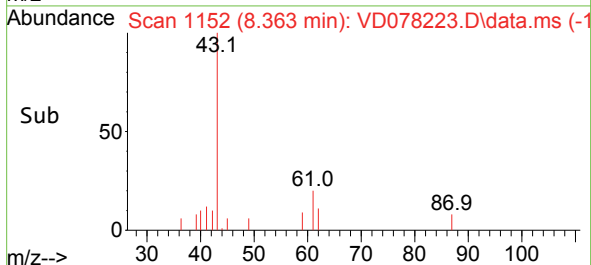
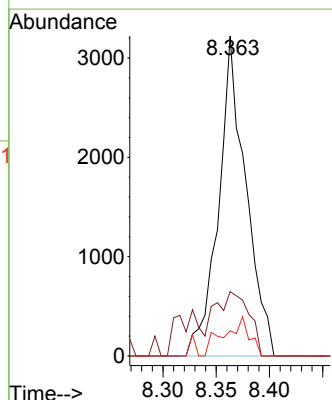
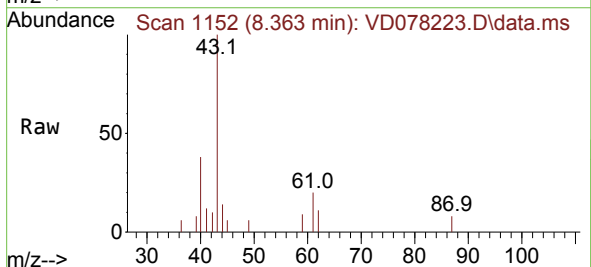
Tgt Ion: 43 Resp: 5735

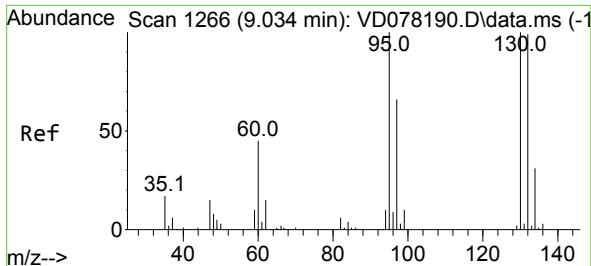
Ion Ratio Lower Upper

43 100

61 25.1 31.4 47.0#

87 11.3 14.9 22.3#





#44

Trichloroethene

Concen: 3.483 ug/l

RT: 9.039 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

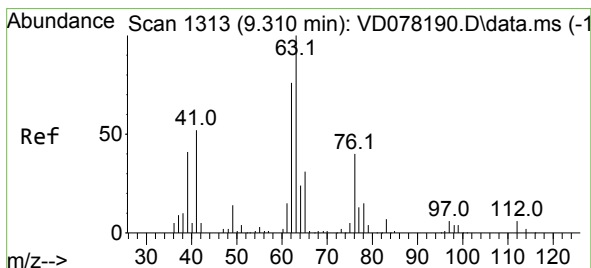
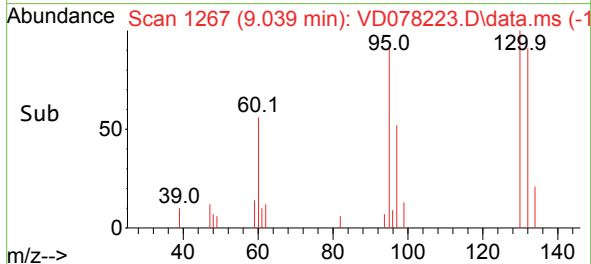
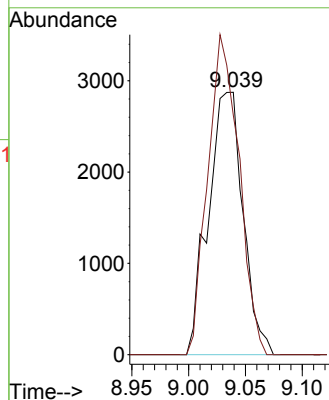
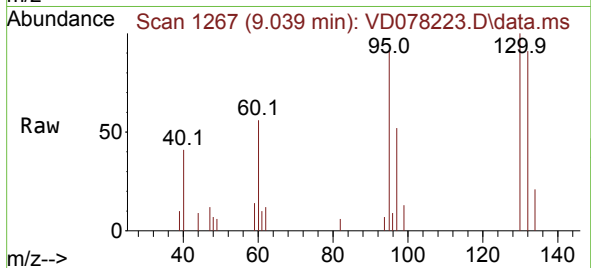
MDL-SOIL-03-QT1-2024

Tgt Ion:130 Resp: 6119

Ion Ratio Lower Upper

130 100

95 91.2 0.0 179.2



#45

1,2-Dichloropropane

Concen: 3.852 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VD078223.D

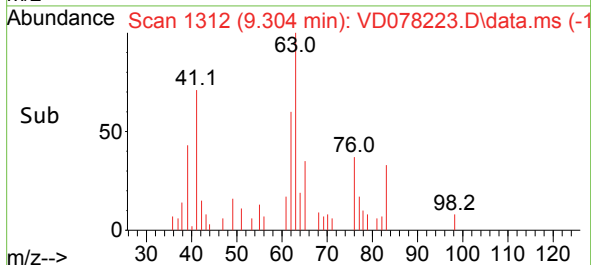
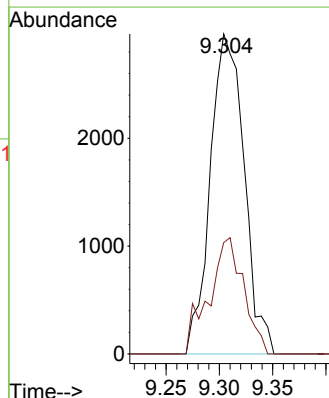
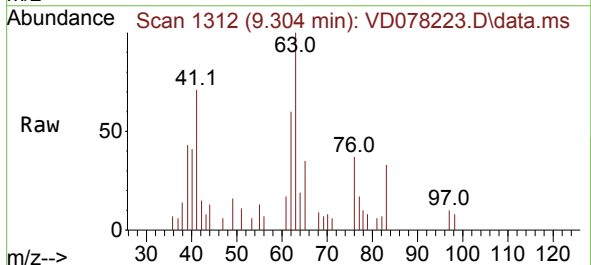
Acq: 24 Jan 2024 15:19

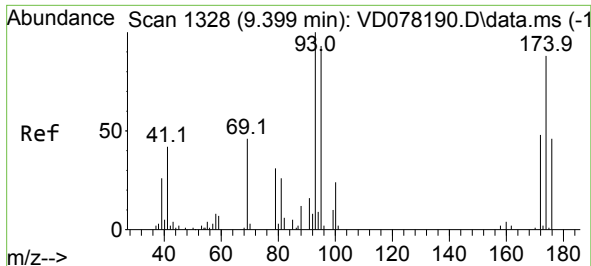
Tgt Ion: 63 Resp: 6564

Ion Ratio Lower Upper

63 100

65 34.8 24.5 36.7

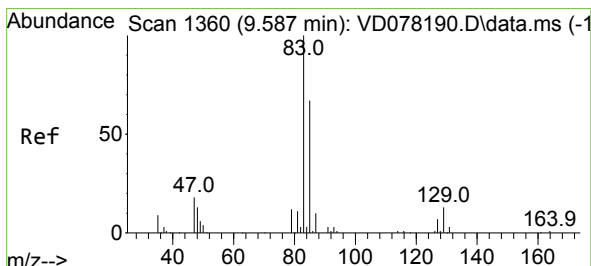
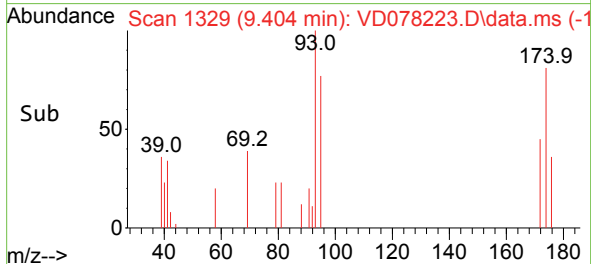
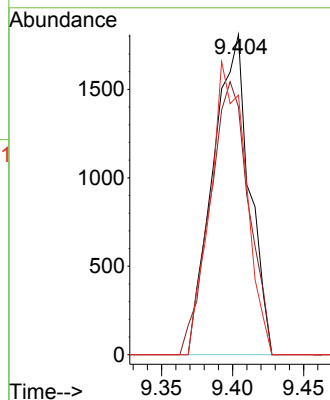
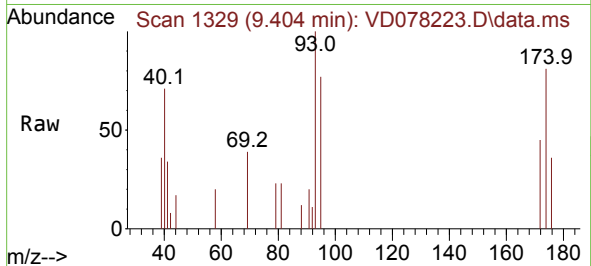




#46
Dibromomethane
Concen: 3.455 ug/l
RT: 9.404 min Scan# 1328
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

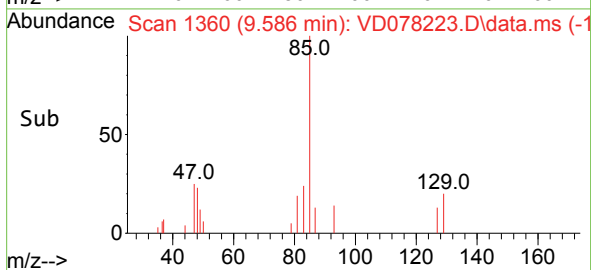
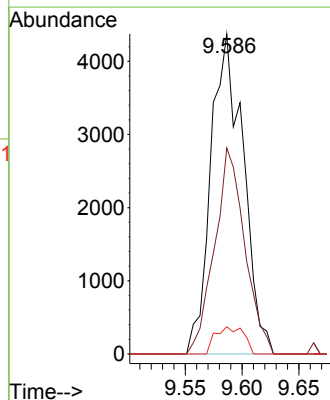
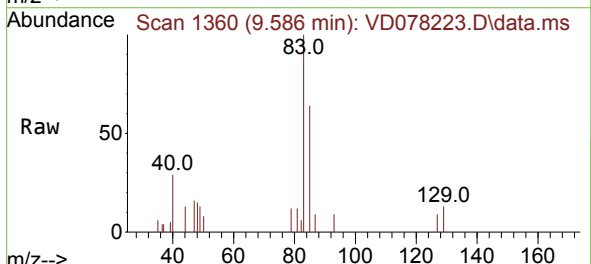
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

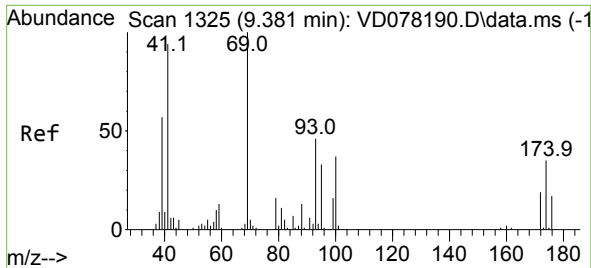
Tgt Ion: 93 Resp: 3233
Ion Ratio Lower Upper
93 100
95 91.0 67.7 101.5
174 88.6 85.4 128.2



#47
Bromodichloromethane
Concen: 3.684 ug/l
RT: 9.586 min Scan# 1360
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 83 Resp: 8659
Ion Ratio Lower Upper
83 100
85 64.4 50.2 75.4
127 8.5 6.3 9.5





#48

Methyl methacrylate

Concen: 3.445 ug/l

RT: 9.386 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

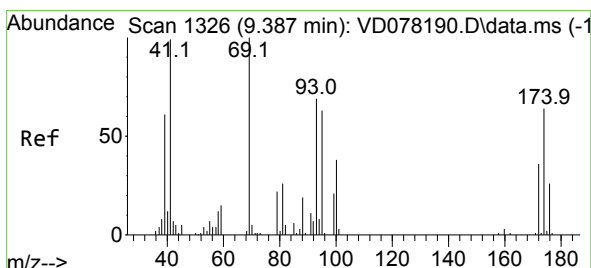
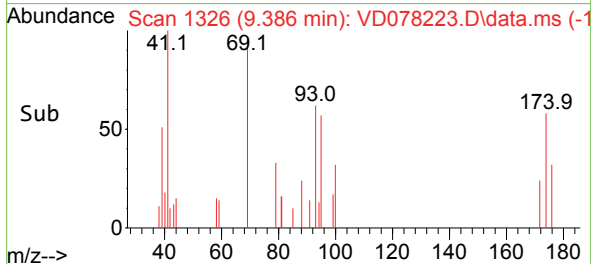
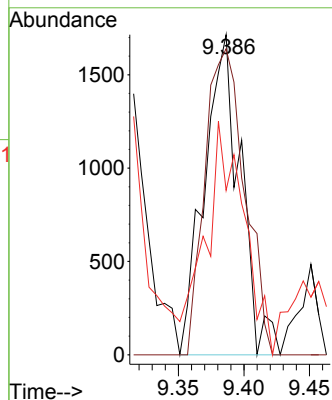
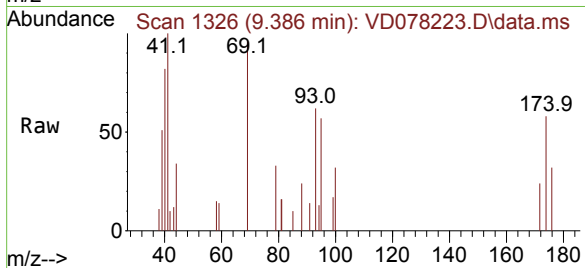
Tgt Ion: 41 Resp: 3292

Ion Ratio Lower Upper

41 100

69 105.3 102.2 153.2

39 76.2 41.4 62.2#



#49

1,4-Dioxane

Concen: 87.468 ug/l

RT: 9.392 min Scan# 1327

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

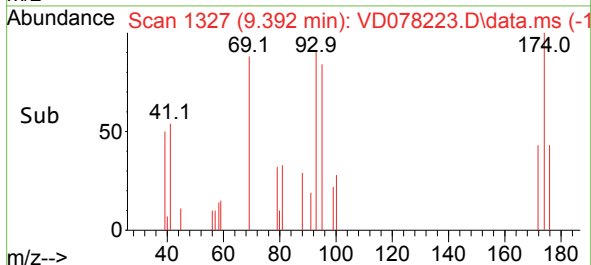
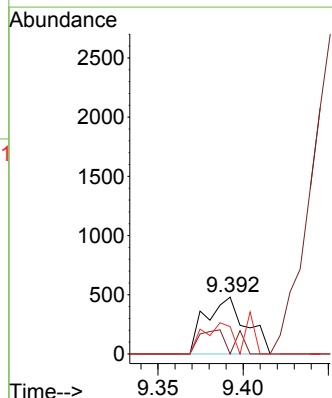
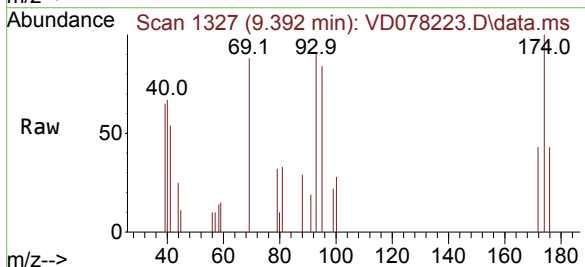
Tgt Ion: 88 Resp: 792

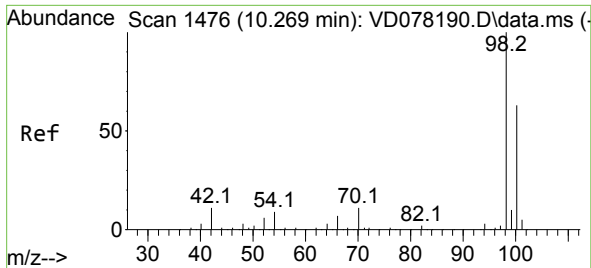
Ion Ratio Lower Upper

88 100

43 33.8 19.0 28.6#

58 38.3 43.5 65.3#

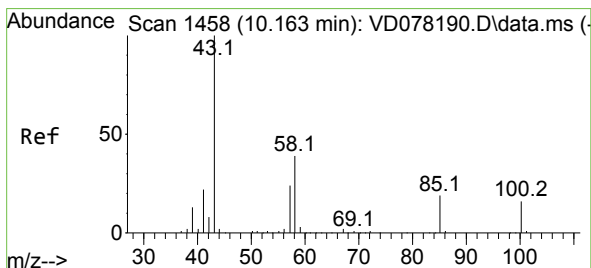
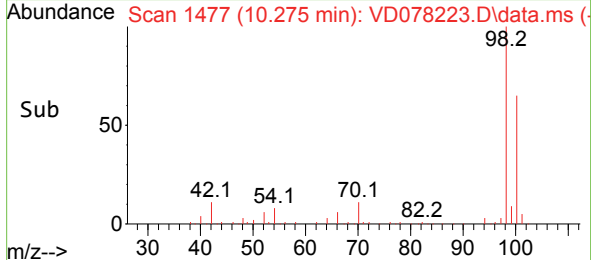
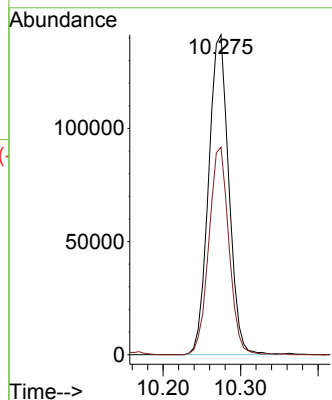
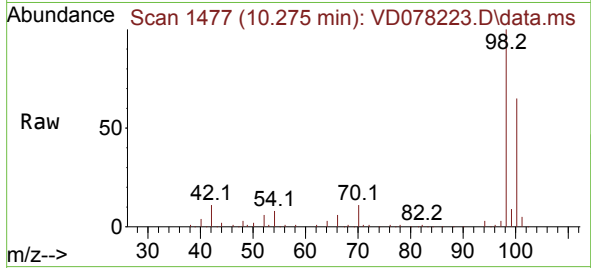




#50
Toluene-d8
Concen: 44.045 ug/l
RT: 10.275 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

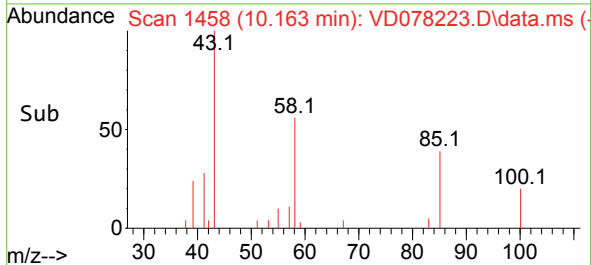
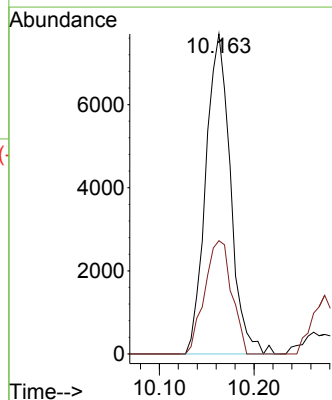
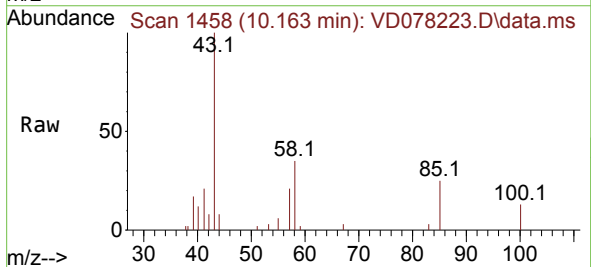
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

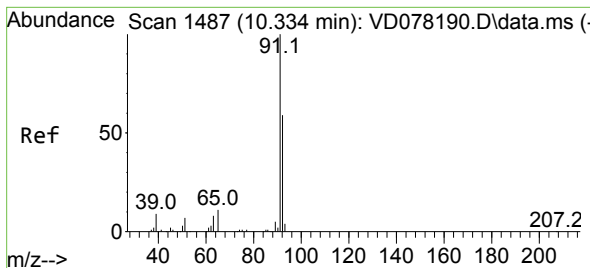
Tgt Ion: 98 Resp: 256634
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 16.068 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 43 Resp: 13935
Ion Ratio Lower Upper
43 100
58 38.7 38.9 58.3#





#52

Toluene

Concen: 3.532 ug/l

RT: 10.333 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

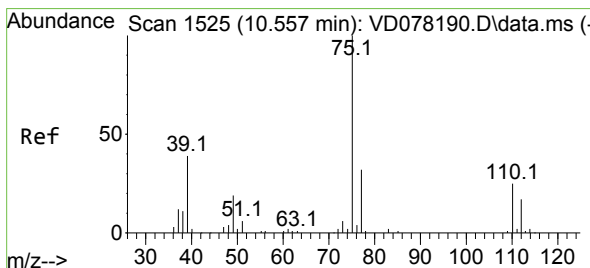
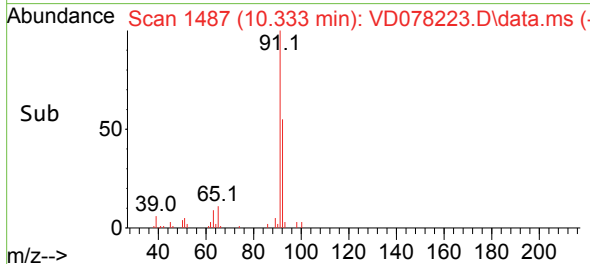
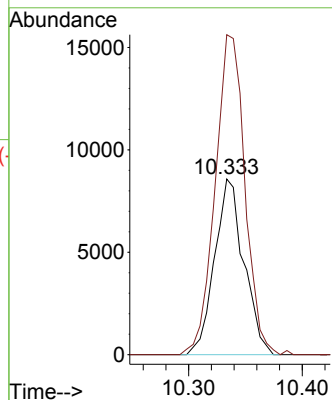
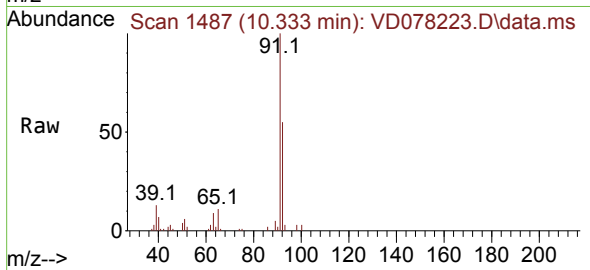
MDL-SOIL-03-QT1-2024

Tgt Ion: 92 Resp: 15376

Ion Ratio Lower Upper

92 100

91 185.2 143.0 214.4



#53

t-1,3-Dichloropropene

Concen: 3.446 ug/l

RT: 10.557 min Scan# 1525

Delta R.T. -0.000 min

Lab File: VD078223.D

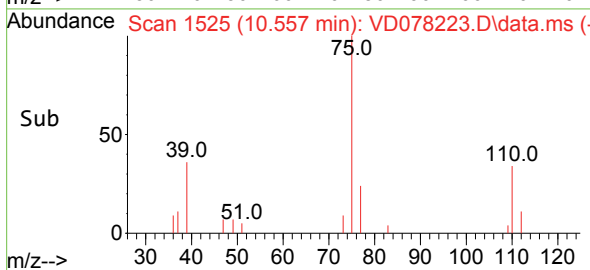
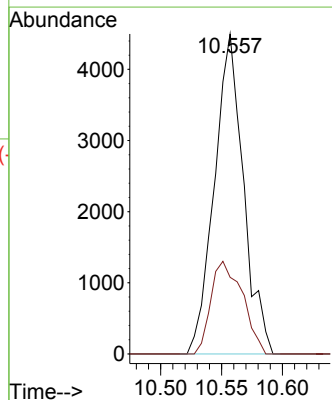
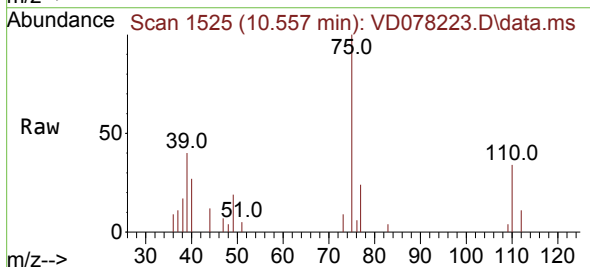
Acq: 24 Jan 2024 15:19

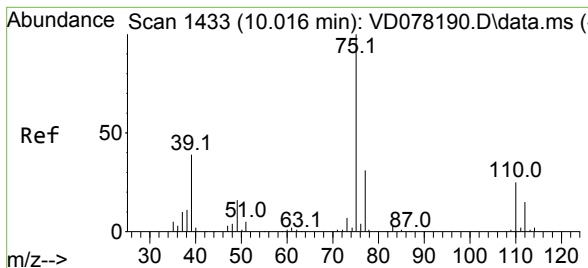
Tgt Ion: 75 Resp: 7474

Ion Ratio Lower Upper

75 100

77 24.0 25.3 37.9#

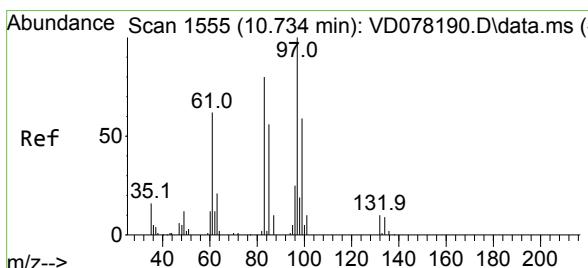
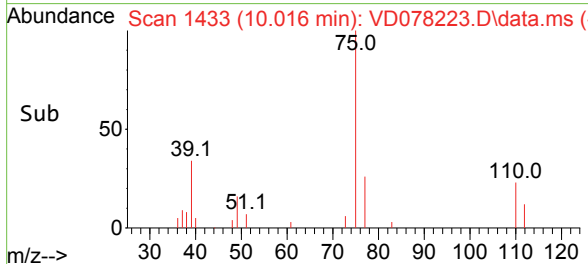
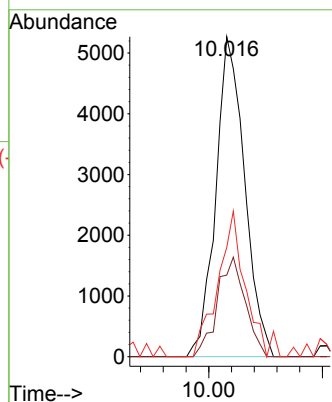
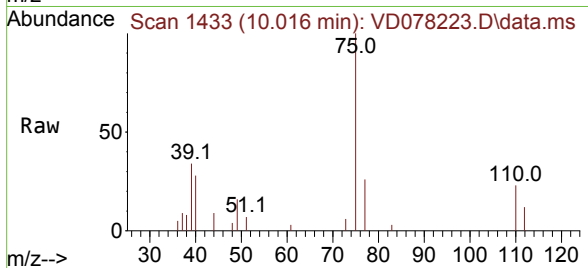




#54
 cis-1,3-Dichloropropene
 Concen: 3.575 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

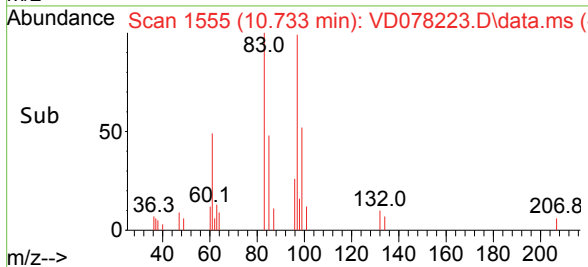
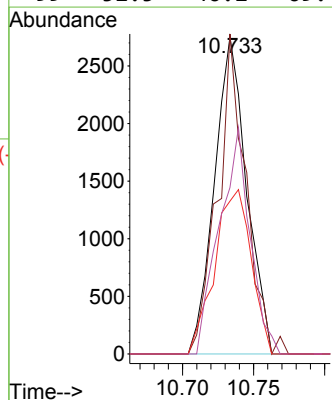
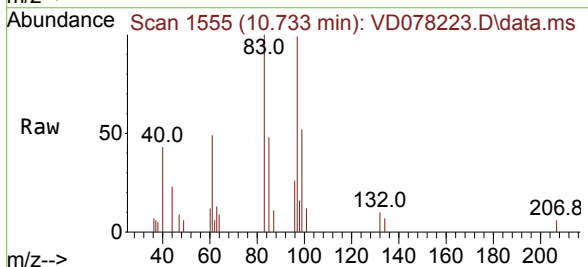
Instrument : MSVOA_D
 ClientSampleId : MDL-SOIL-03-QT1-2024

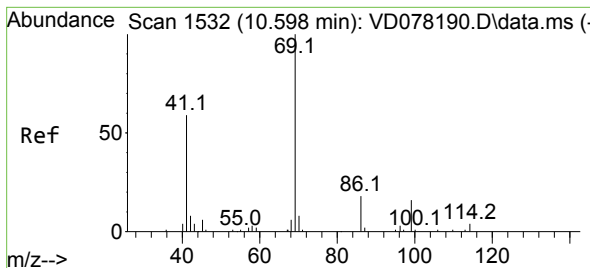
Tgt Ion:	75	Resp:	9293
Ion	Ratio	Lower	Upper
75	100		
77	25.5	25.5	38.3
39	34.2	22.1	33.1#



#55
 1,1,2-Trichloroethane
 Concen: 3.458 ug/l
 RT: 10.733 min Scan# 1555
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Tgt Ion:	97	Resp:	4330
Ion	Ratio	Lower	Upper
97	100		
83	100.9	65.8	98.6#
85	48.2	45.7	68.5
99	52.5	46.2	69.4





#56

Ethyl methacrylate

Concen: 2.883 ug/l

RT: 10.598 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

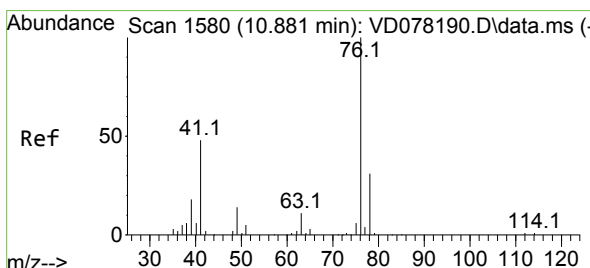
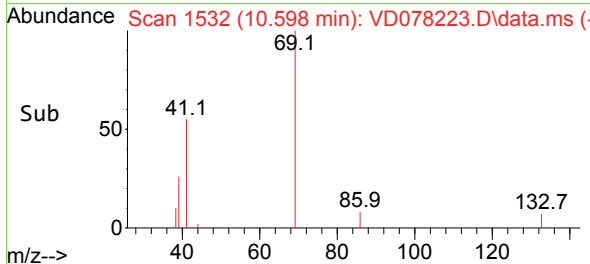
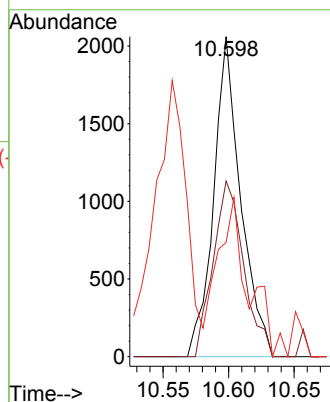
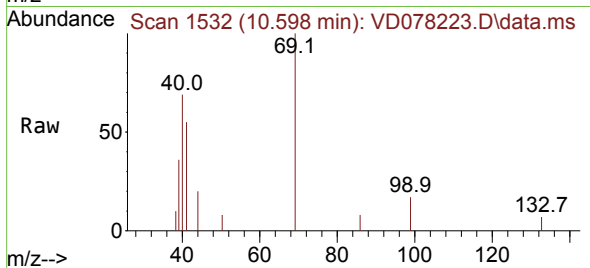
Tgt Ion: 69 Resp: 2955

Ion Ratio Lower Upper

69 100

41 61.8 39.1 58.7#

39 57.0 20.0 30.0#



#57

1,3-Dichloropropane

Concen: 3.748 ug/l

RT: 10.880 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD078223.D

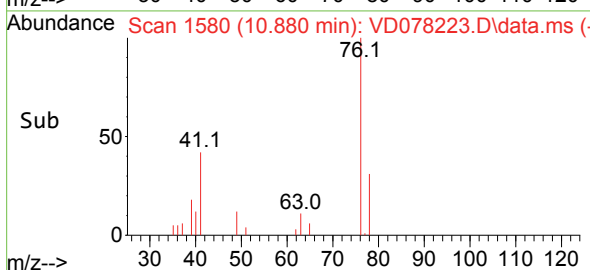
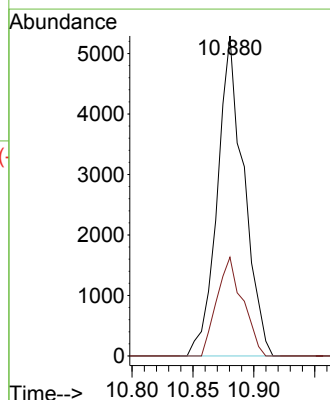
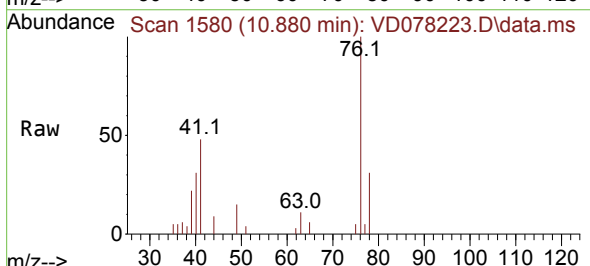
Acq: 24 Jan 2024 15:19

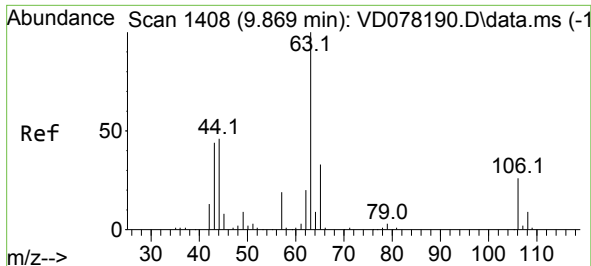
Tgt Ion: 76 Resp: 8025

Ion Ratio Lower Upper

76 100

78 30.1 26.4 39.6

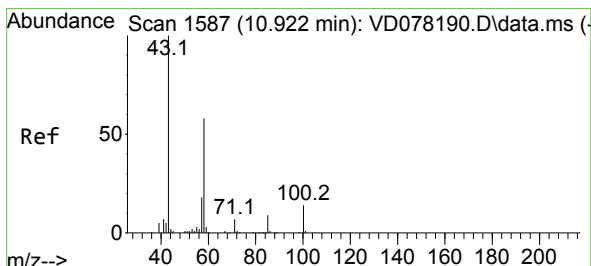
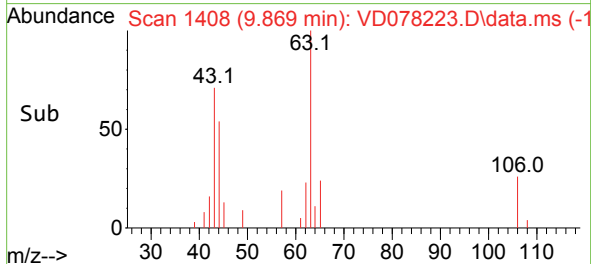
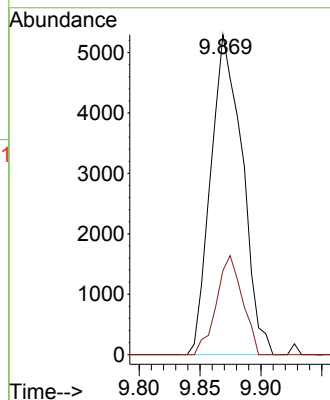
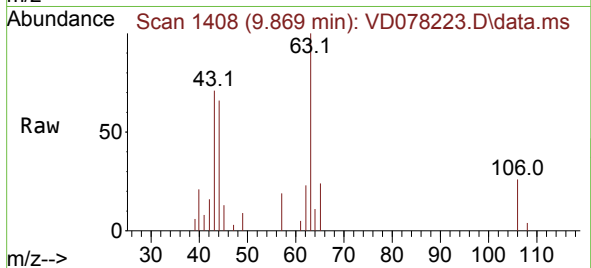




#58
2-Chloroethyl Vinyl ether
Concen: 15.531 ug/l
RT: 9.869 min Scan# 1408
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

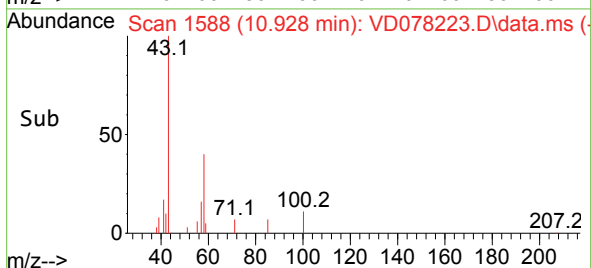
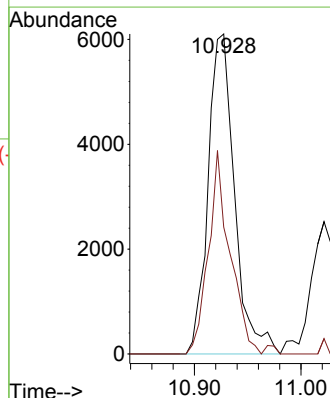
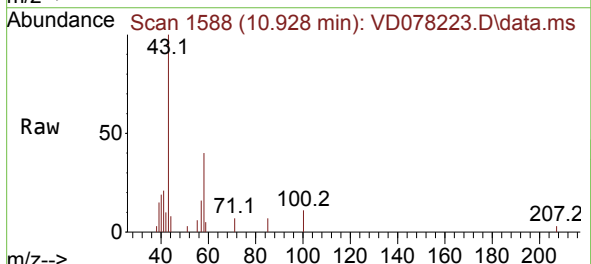
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

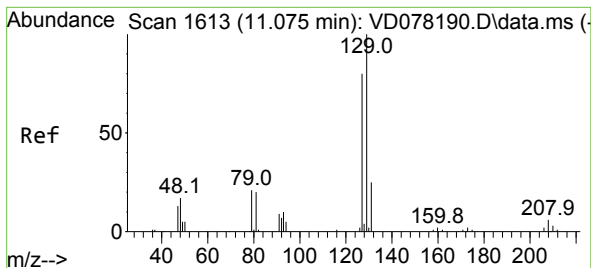
Tgt Ion: 63 Resp: 9540
Ion Ratio Lower Upper
63 100
106 25.6 25.3 37.9



#59
2-Hexanone
Concen: 14.964 ug/l
RT: 10.928 min Scan# 1588
Delta R.T. 0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 43 Resp: 10546
Ion Ratio Lower Upper
43 100
58 51.6 34.1 102.2





#60

Dibromochloromethane

Concen: 3.665 ug/l

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

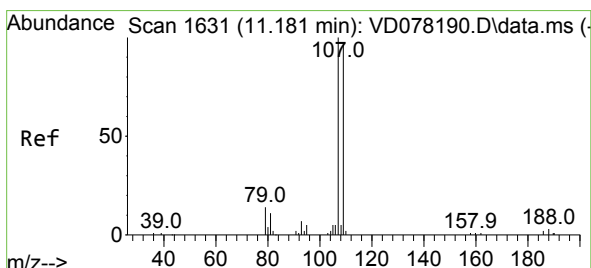
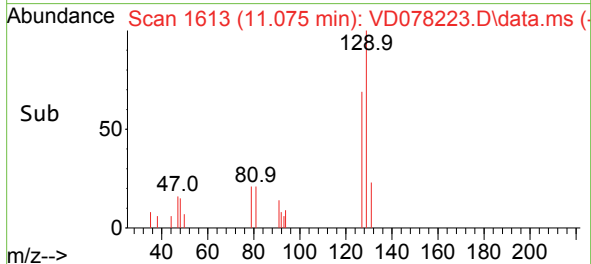
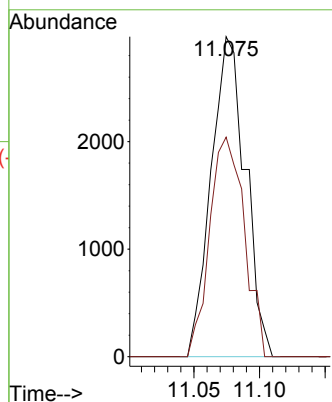
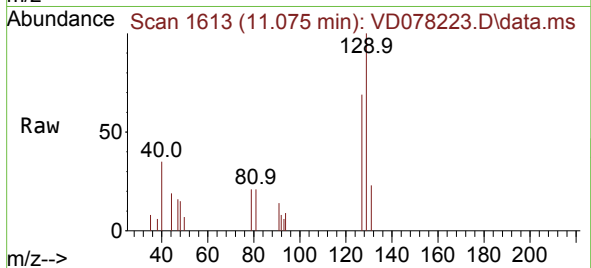
MDL-SOIL-03-QT1-2024

Tgt Ion:129 Resp: 5411

Ion Ratio Lower Upper

129 100

127 69.3 37.1 111.5



#61

1,2-Dibromoethane

Concen: 3.762 ug/l

RT: 11.175 min Scan# 1630

Delta R.T. -0.006 min

Lab File: VD078223.D

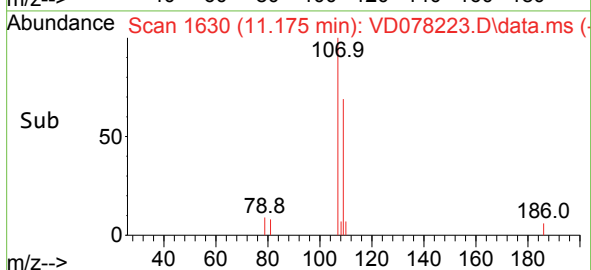
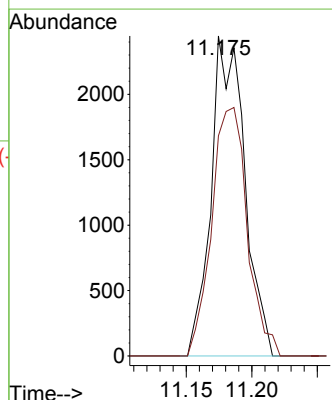
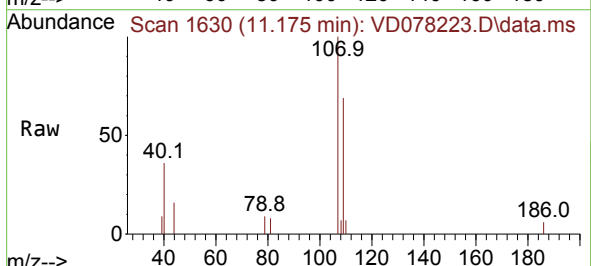
Acq: 24 Jan 2024 15:19

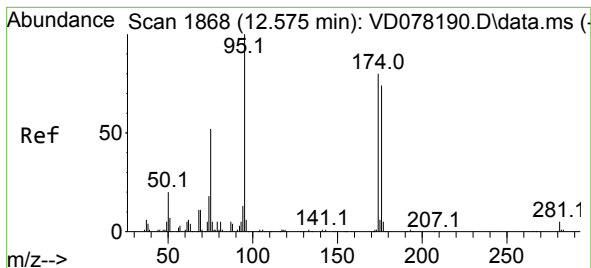
Tgt Ion:107 Resp: 4342

Ion Ratio Lower Upper

107 100

109 82.3 75.6 113.4

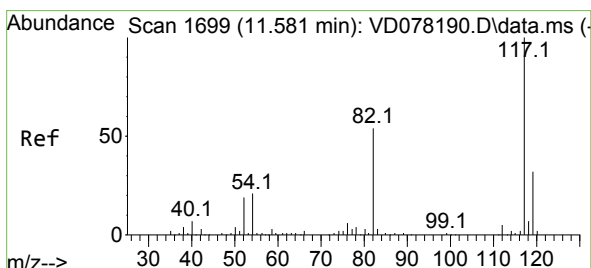
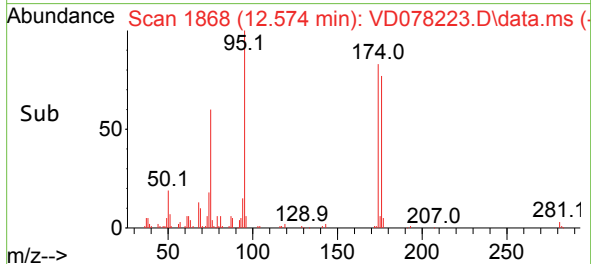
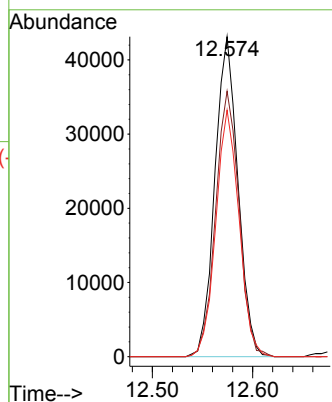
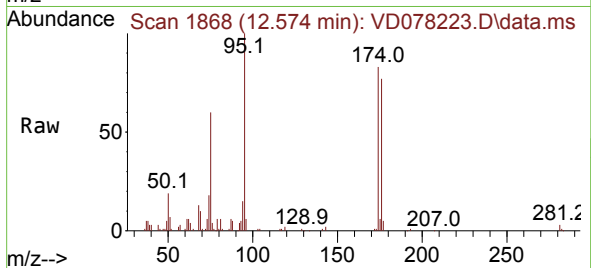




#62
4-Bromofluorobenzene
Concen: 40.704 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

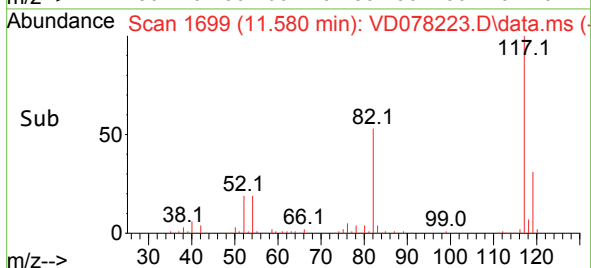
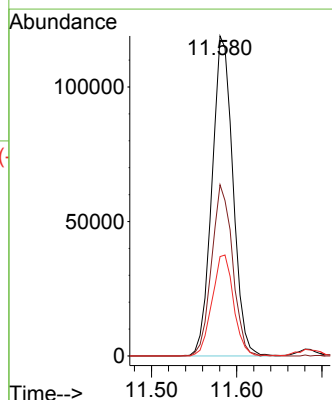
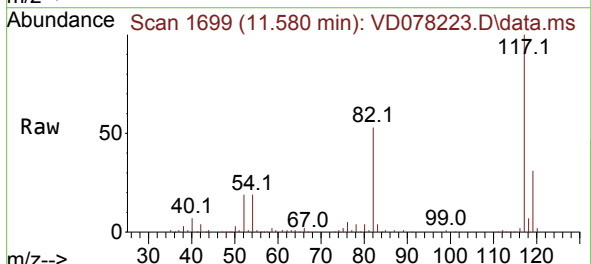
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

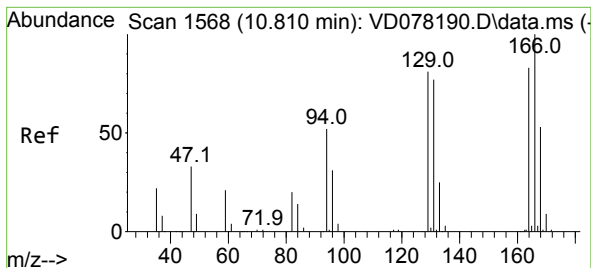
Tgt Ion:	95	Resp:	68780
Ion	Ratio	Lower	Upper
95	100		
174	84.2	0.0	201.8
176	77.7	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion:	117	Resp:	203324
Ion	Ratio	Lower	Upper
117	100		
82	53.5	38.3	57.5
119	31.1	25.0	37.4





#64

Tetrachloroethene

Concen: 3.295 ug/l

RT: 10.816 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:164 Resp: 4380

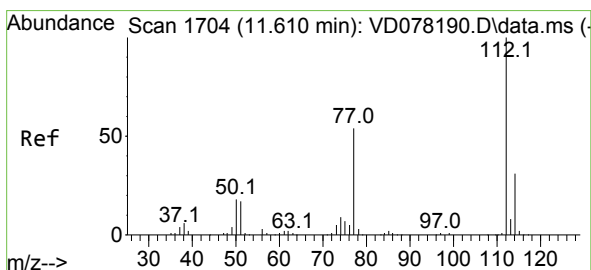
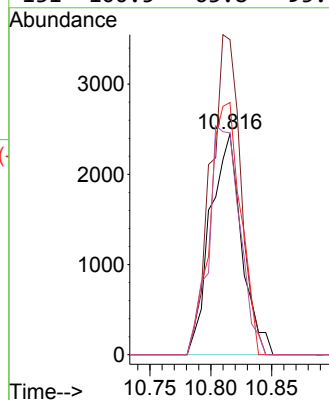
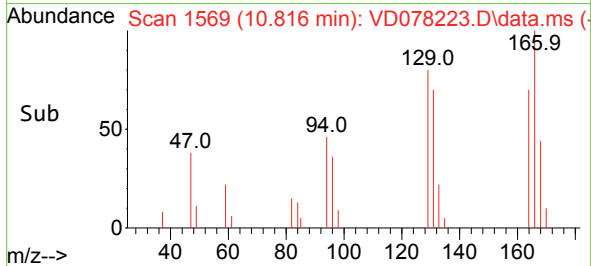
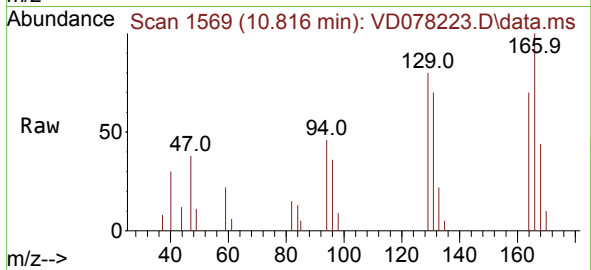
Ion Ratio Lower Upper

164 100

166 142.8 99.2 148.8

129 114.3 68.4 102.6#

131 100.5 63.8 95.8#



#65

Chlorobenzene

Concen: 3.875 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VD078223.D

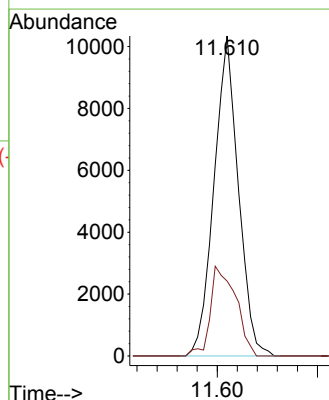
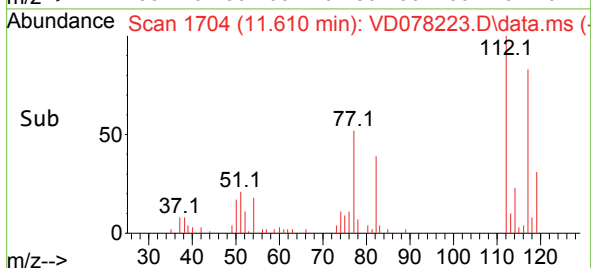
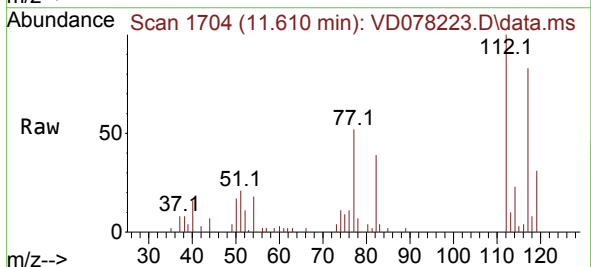
Acq: 24 Jan 2024 15:19

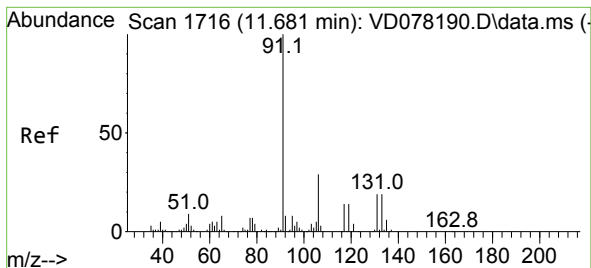
Tgt Ion:112 Resp: 17403

Ion Ratio Lower Upper

112 100

114 23.4 25.1 37.7#





#66

1,1,1,2-Tetrachloroethane

Concen: 3.509 ug/l

RT: 11.680 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

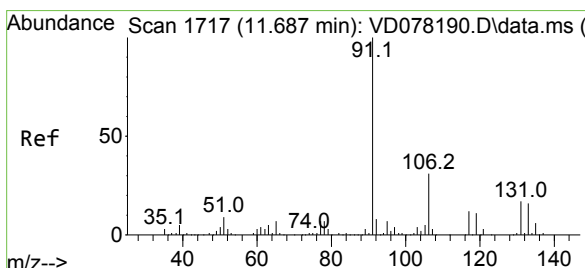
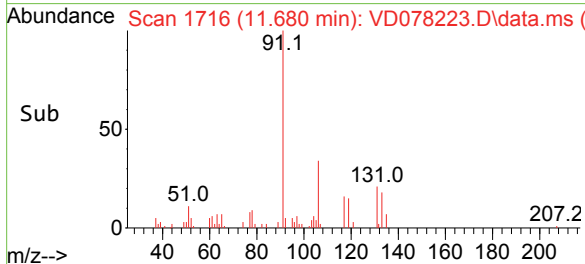
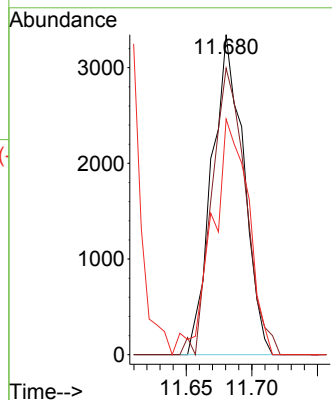
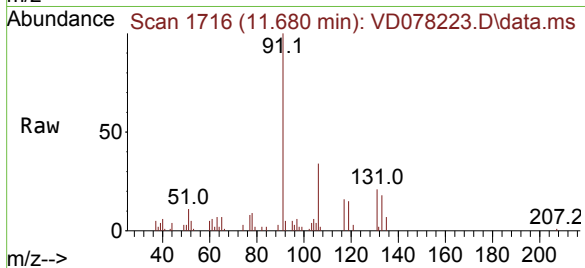
Tgt Ion:131 Resp: 5633

Ion Ratio Lower Upper

131 100

133 94.8 48.5 145.5

119 83.6 35.6 106.9



#67

Ethyl Benzene

Concen: 3.301 ug/l

RT: 11.686 min Scan# 1717

Delta R.T. -0.000 min

Lab File: VD078223.D

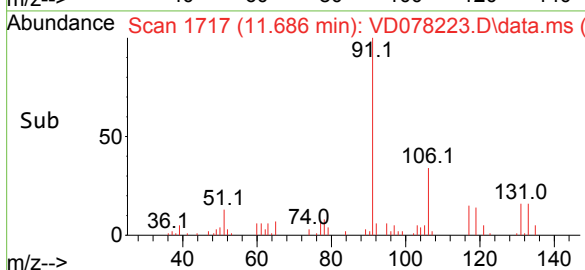
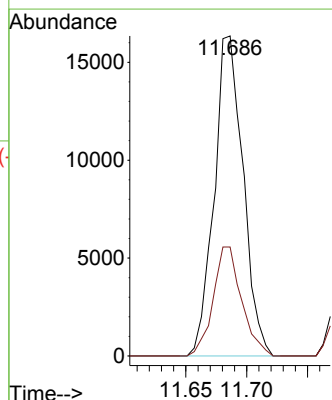
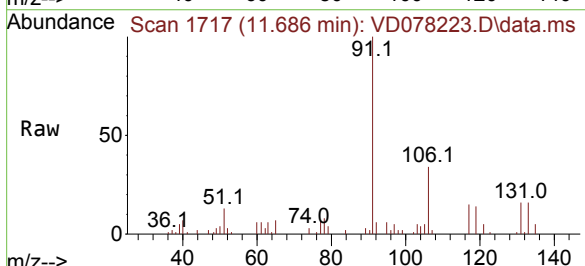
Acq: 24 Jan 2024 15:19

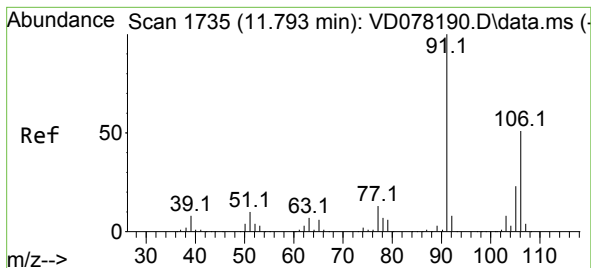
Tgt Ion: 91 Resp: 26984

Ion Ratio Lower Upper

91 100

106 34.1 26.5 39.7





#68

m/p-Xylenes

Concen: 6.513 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

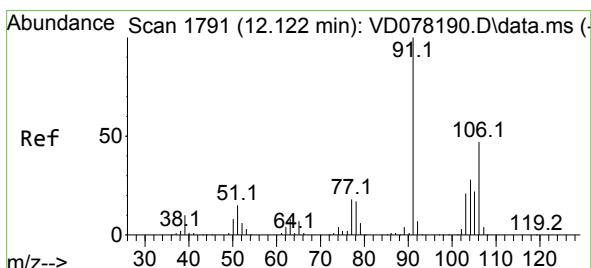
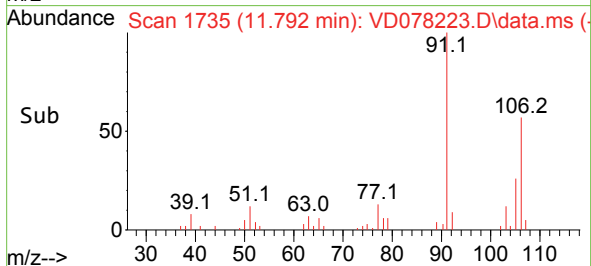
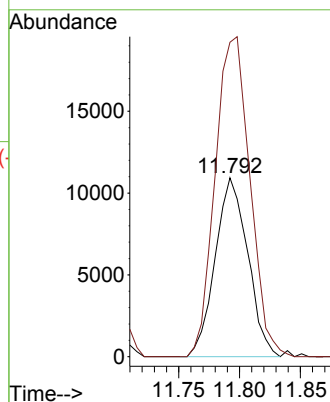
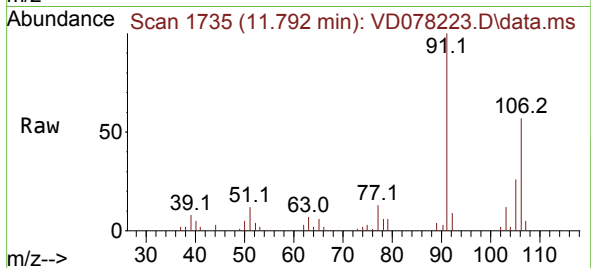
MDL-SOIL-03-QT1-2024

Tgt Ion:106 Resp: 20332

Ion Ratio Lower Upper

106 100

91 191.1 147.0 220.6



#69

o-Xylene

Concen: 3.056 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD078223.D

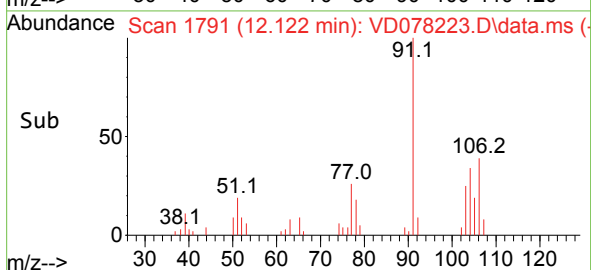
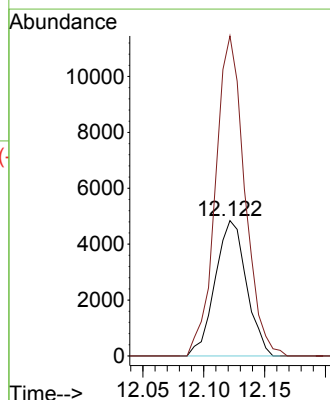
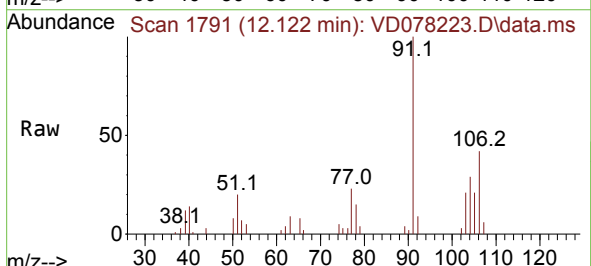
Acq: 24 Jan 2024 15:19

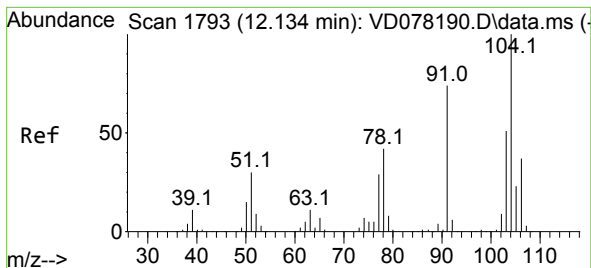
Tgt Ion:106 Resp: 8658

Ion Ratio Lower Upper

106 100

91 221.5 97.9 293.6





#70

Styrene

Concen: 3.020 ug/l

RT: 12.139 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

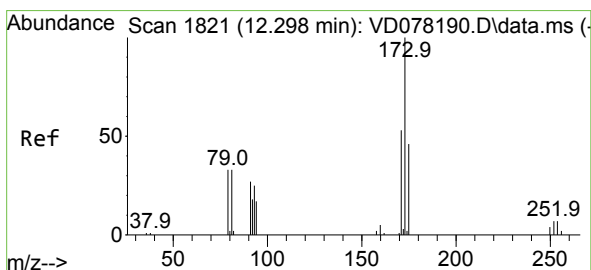
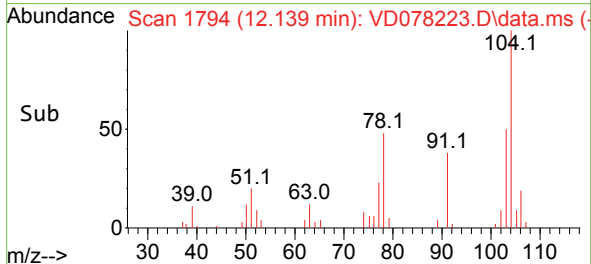
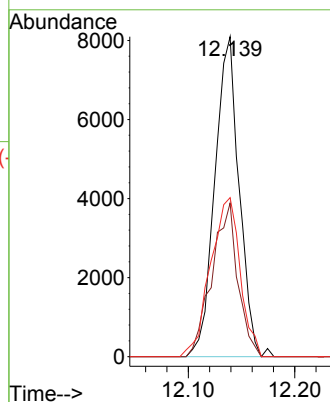
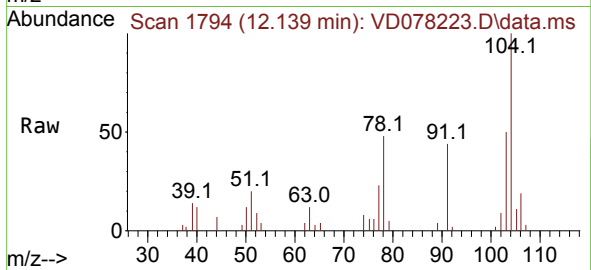
Tgt Ion:104 Resp: 12821

Ion Ratio Lower Upper

104 100

78 51.1 33.2 49.8#

103 60.7 43.6 65.4



#71

Bromoform

Concen: 3.258 ug/l

RT: 12.304 min Scan# 1822

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

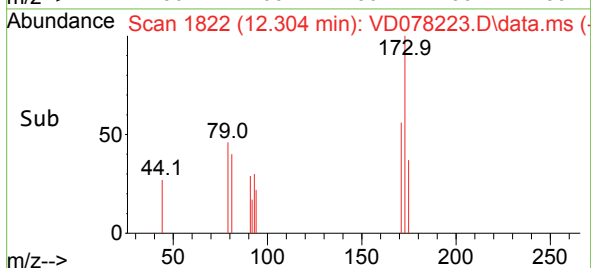
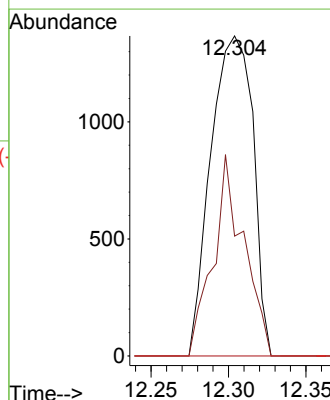
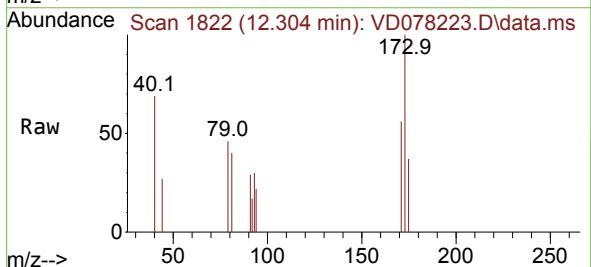
Tgt Ion:173 Resp: 2590

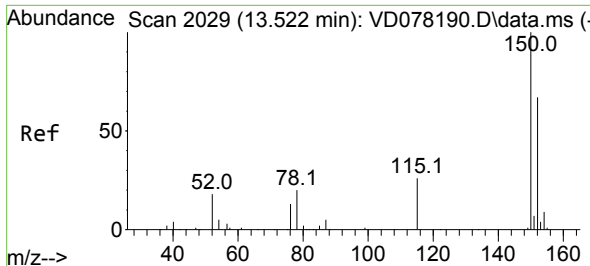
Ion Ratio Lower Upper

173 100

175 45.6 24.6 73.8

254 0.0 0.0 0.0

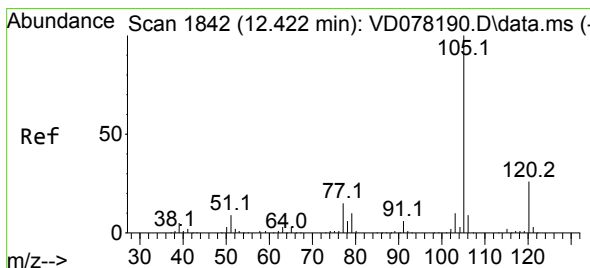
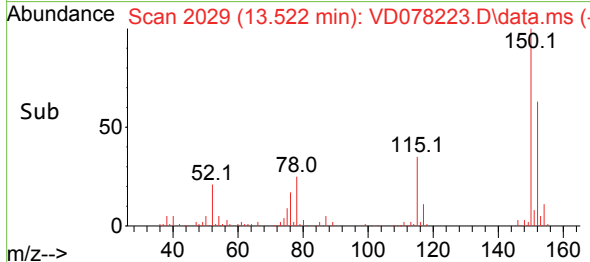
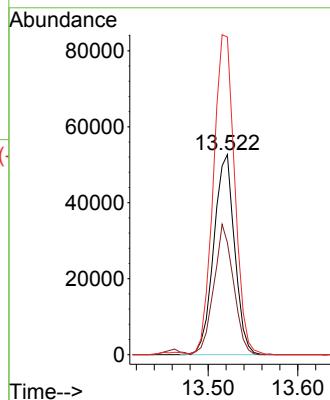
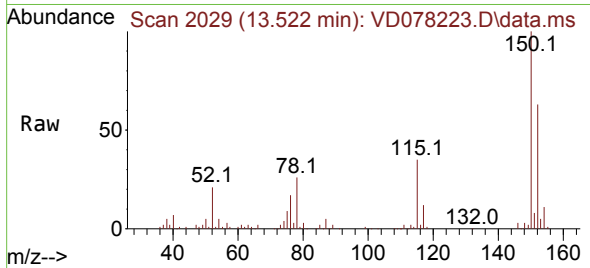




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 2029
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

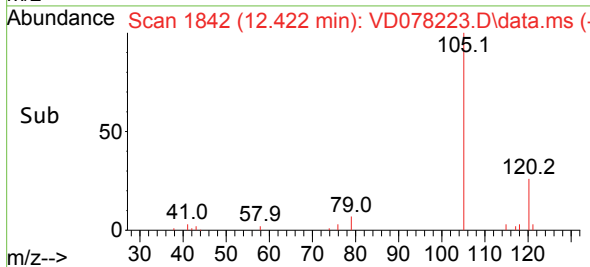
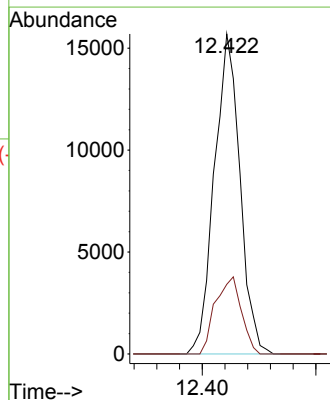
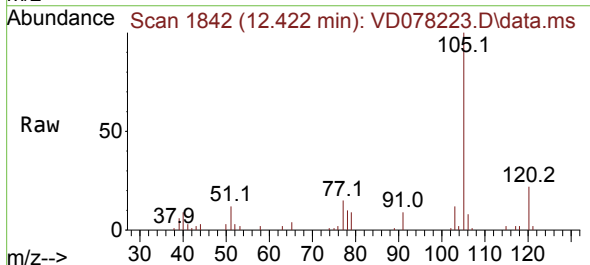
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

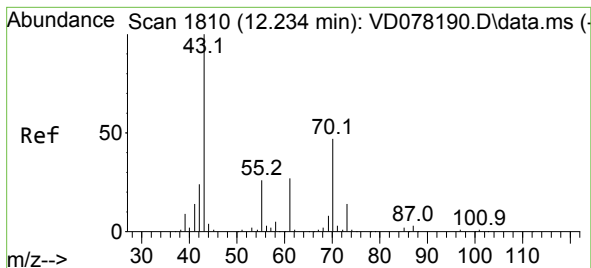
Tgt Ion:152 Resp: 84894
 Ion Ratio Lower Upper
 152 100
 115 61.4 27.1 81.3
 150 163.6 0.0 353.6



#73
 Isopropylbenzene
 Concen: 3.674 ug/l
 RT: 12.422 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

Tgt Ion:105 Resp: 24521
 Ion Ratio Lower Upper
 105 100
 120 24.4 14.3 42.9





#74

N-ethyl acetate

Concen: 3.380 ug/l

RT: 12.233 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 4317

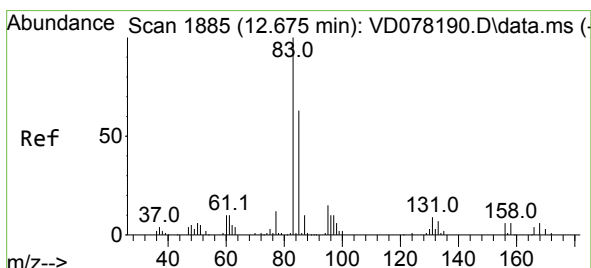
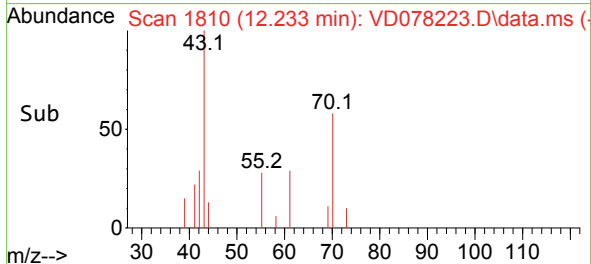
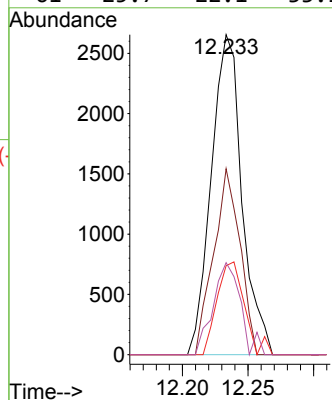
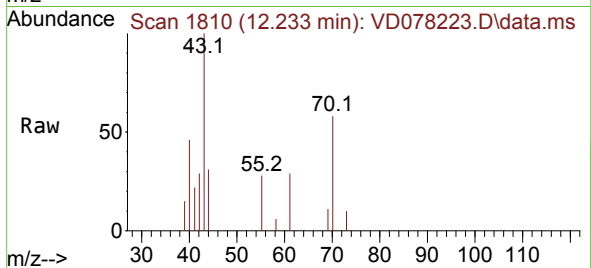
Ion Ratio Lower Upper

43 100

70 50.0 45.0 67.4

55 25.9 23.8 35.6

61 25.7 22.1 33.1



#75

1,1,2,2-Tetrachloroethane

Concen: 3.651 ug/l

RT: 12.674 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

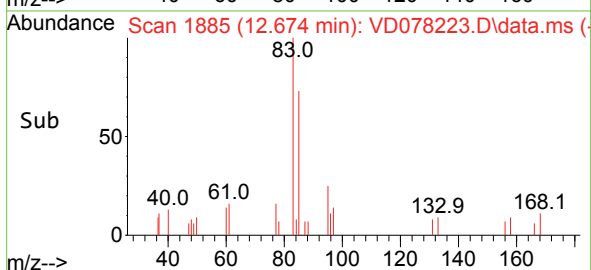
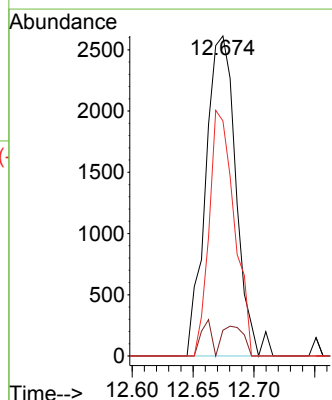
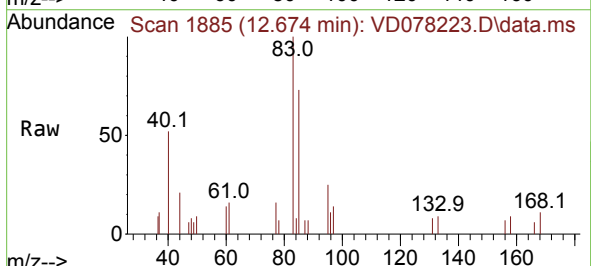
Tgt Ion: 83 Resp: 4535

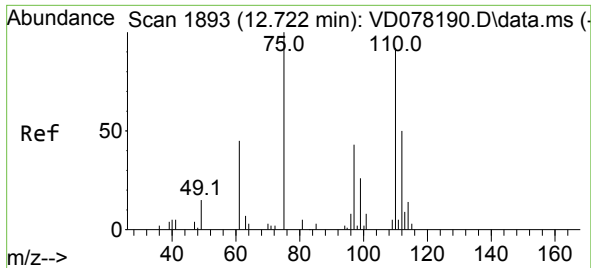
Ion Ratio Lower Upper

83 100

131 6.7 5.1 15.3

85 63.6 32.6 97.8

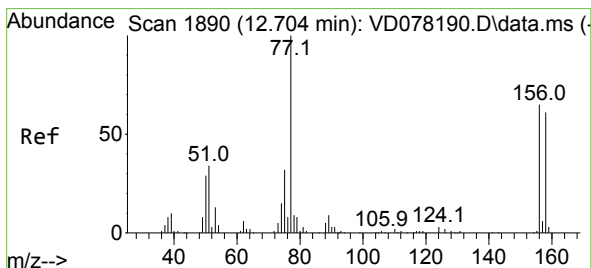
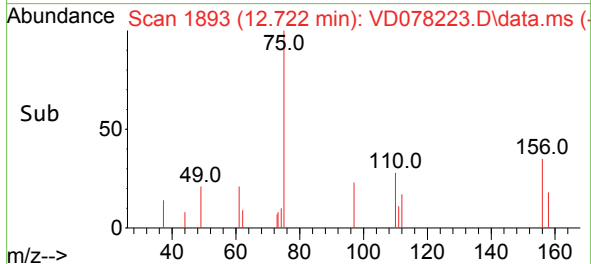
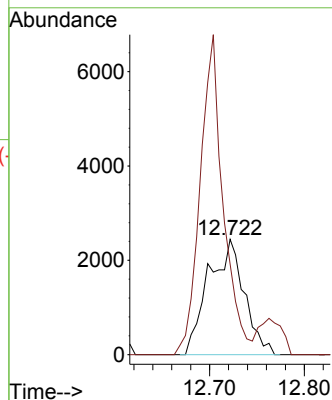
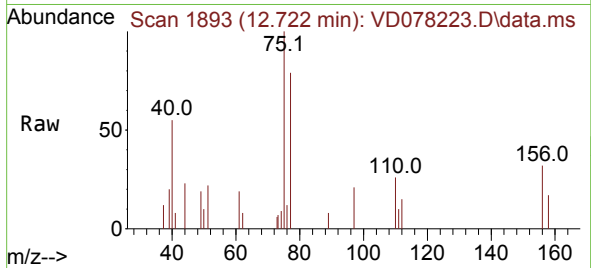




#76
1,2,3-Trichloropropane
Concen: 7.880 ug/l
RT: 12.722 min Scan# 1893
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

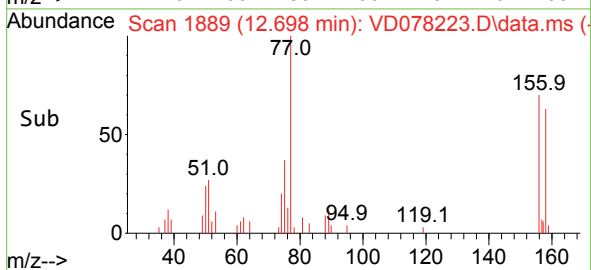
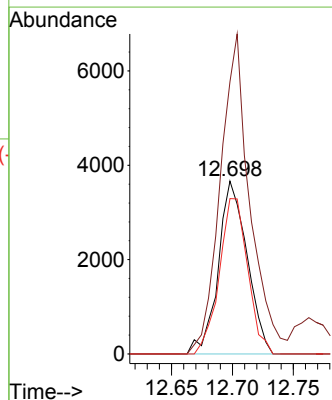
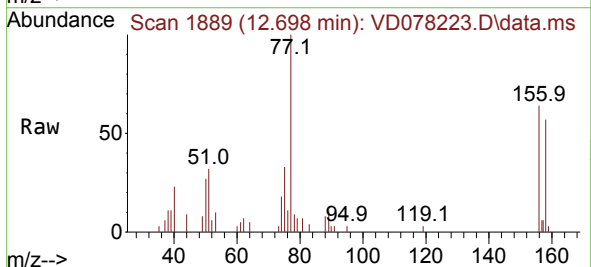
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

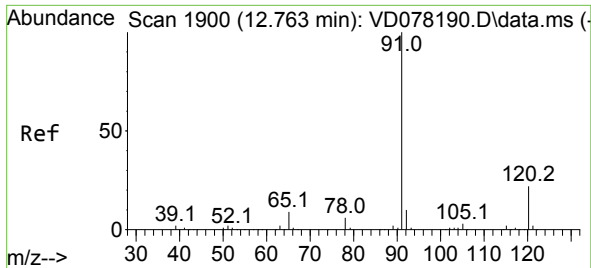
Tgt Ion: 75 Resp: 6416
Ion Ratio Lower Upper
75 100
77 179.3 0.0 0.0#



#77
Bromobenzene
Concen: 4.126 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 156 Resp: 6039
Ion Ratio Lower Upper
156 100
77 190.5 76.8 230.4
158 88.3 48.6 145.9

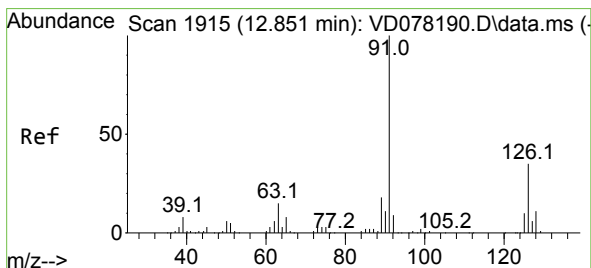
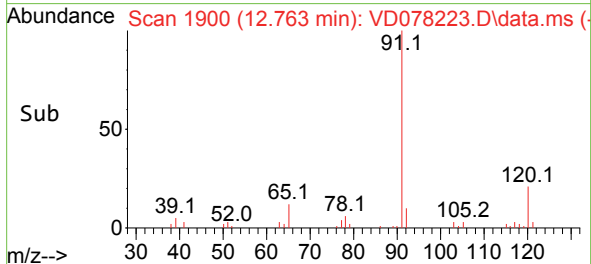
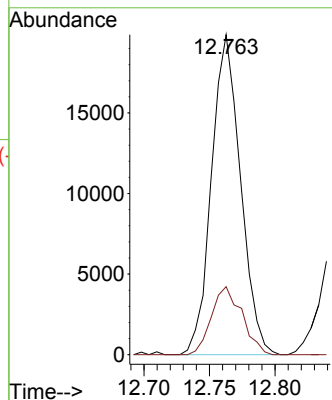
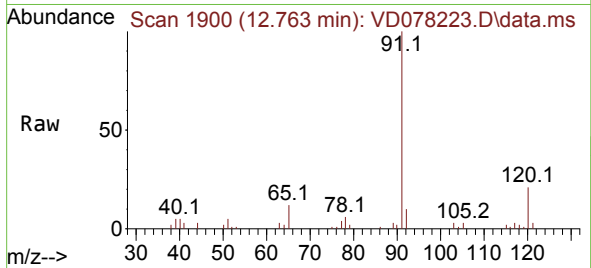




#78
n-propylbenzene
Concen: 3.697 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

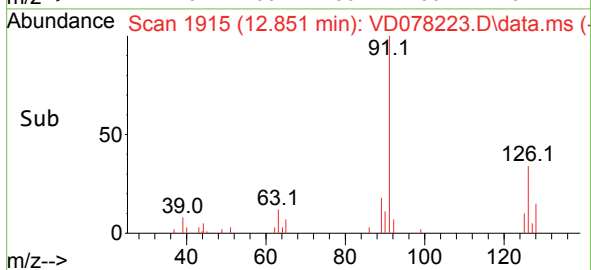
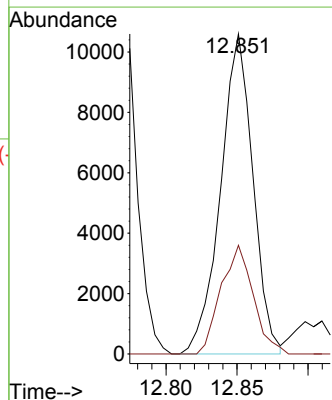
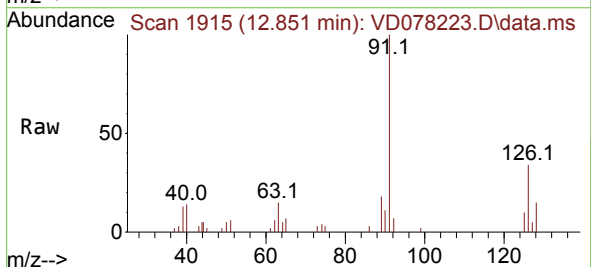
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

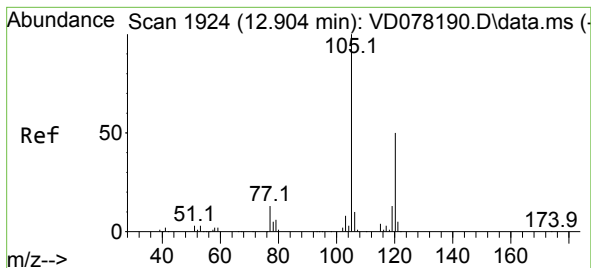
Tgt Ion: 91 Resp: 30604
Ion Ratio Lower Upper
91 100
120 22.4 12.4 37.2



#79
2-Chlorotoluene
Concen: 3.802 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion: 91 Resp: 16797
Ion Ratio Lower Upper
91 100
126 33.9 19.4 58.1





#80

1,3,5-Trimethylbenzene

Concen: 3.325 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

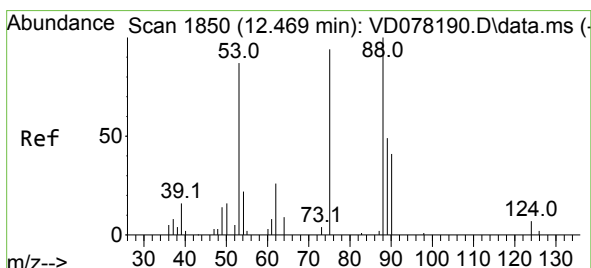
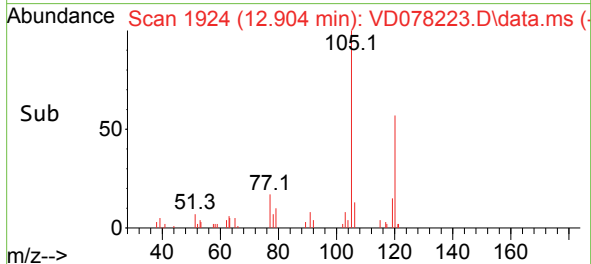
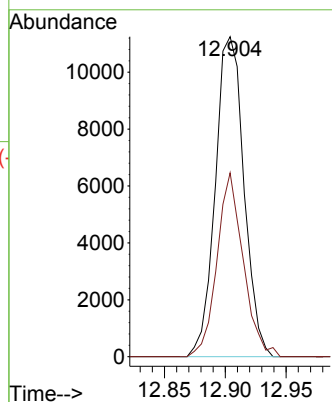
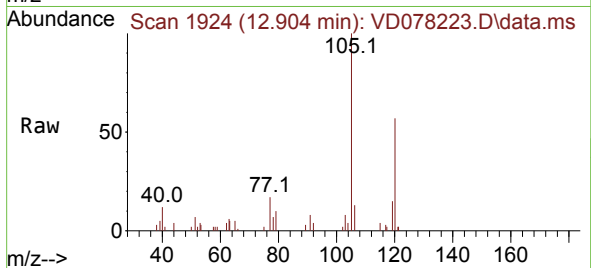
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 18401

Ion Ratio Lower Upper

105 100

120 52.6 26.4 79.2



#81

trans-1,4-Dichloro-2-butene

Concen: 3.532 ug/l

RT: 12.469 min Scan# 1850

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

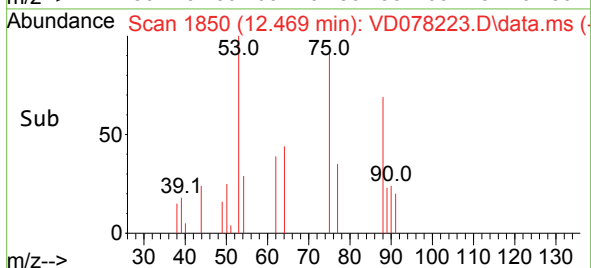
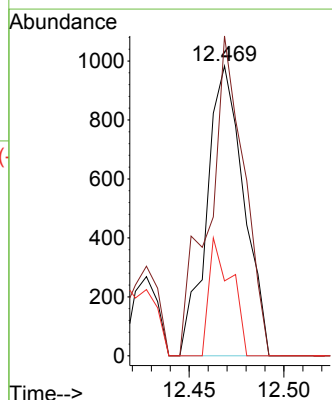
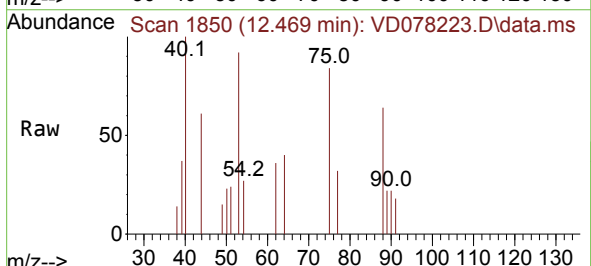
Tgt Ion: 75 Resp: 1335

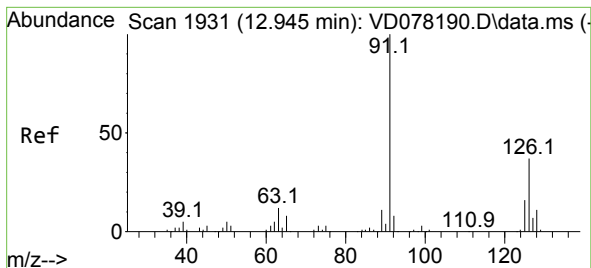
Ion Ratio Lower Upper

75 100

53 105.0 63.0 94.4#

89 24.6 37.9 56.9#





#82

4-Chlorotoluene

Concen: 3.811 ug/l

RT: 12.945 min Scan# 1931

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

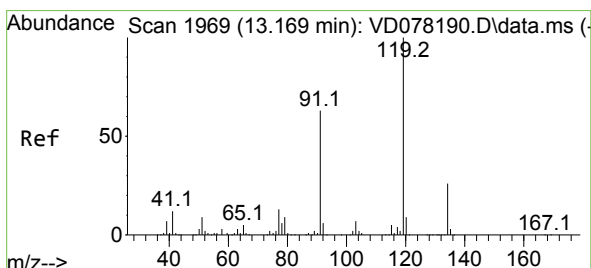
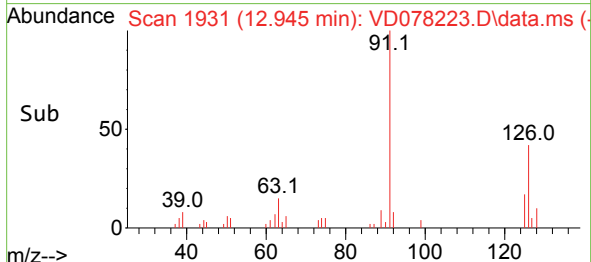
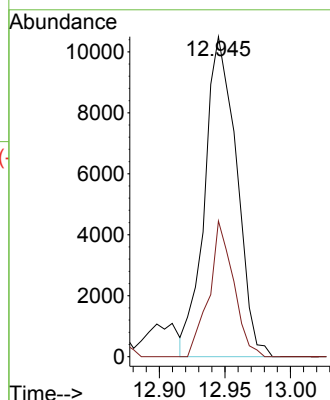
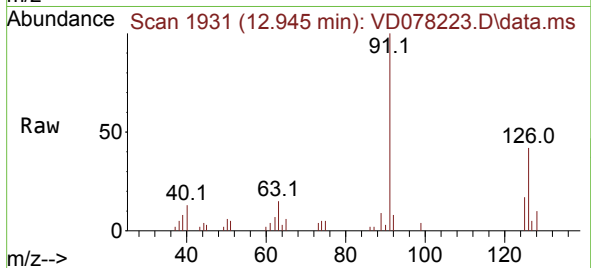
MDL-SOIL-03-QT1-2024

Tgt Ion: 91 Resp: 17749

Ion Ratio Lower Upper

91 100

126 32.5 19.4 58.4



#83

tert-Butylbenzene

Concen: 3.544 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

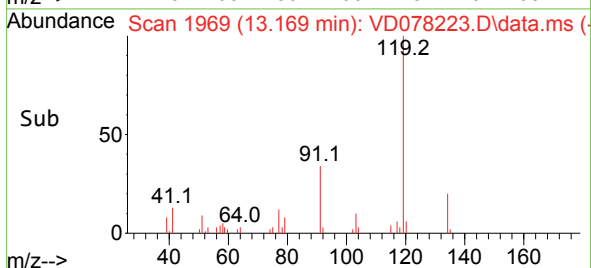
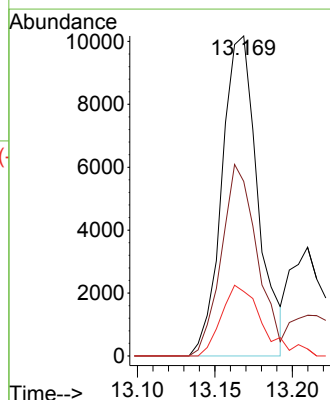
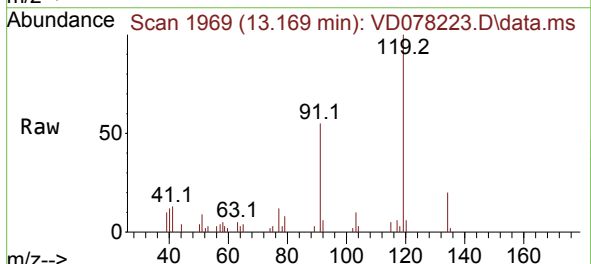
Tgt Ion: 119 Resp: 16397

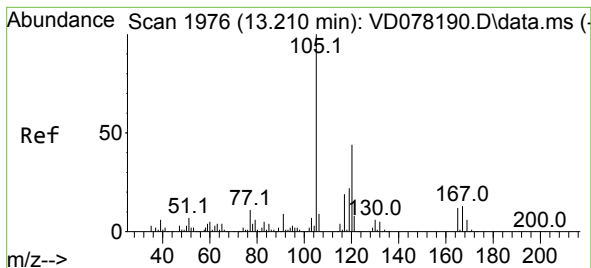
Ion Ratio Lower Upper

119 100

91 59.4 29.3 87.8

134 25.2 14.1 42.3





#84

1,2,4-Trimethylbenzene

Concen: 3.282 ug/l

RT: 13.216 min Scan# 1976

Delta R.T. 0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

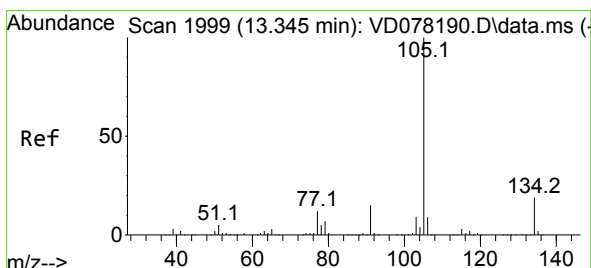
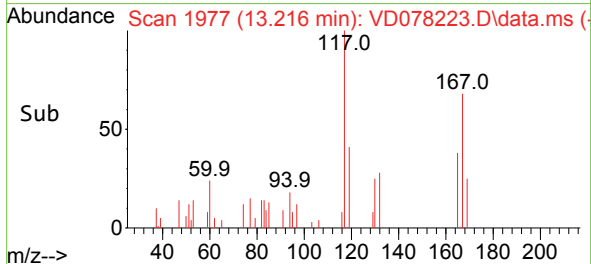
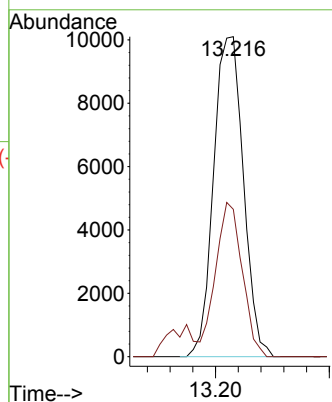
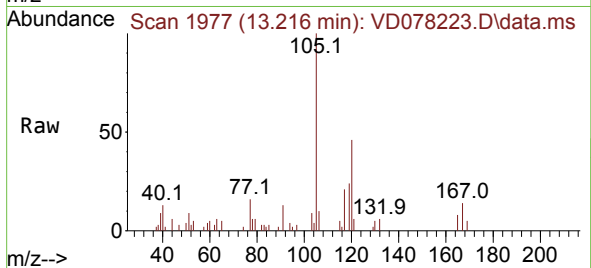
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 18369

Ion Ratio Lower Upper

105 100

120 43.0 24.3 72.9



#85

sec-Butylbenzene

Concen: 3.515 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VD078223.D

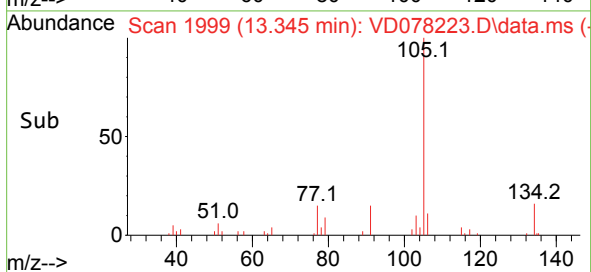
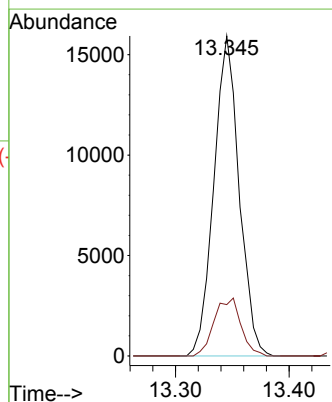
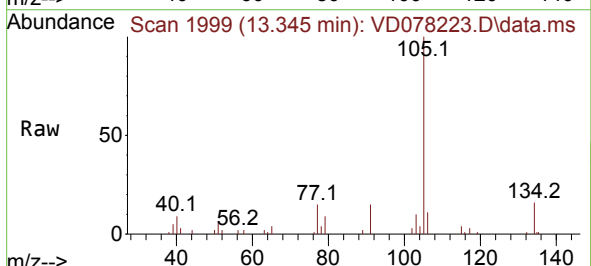
Acq: 24 Jan 2024 15:19

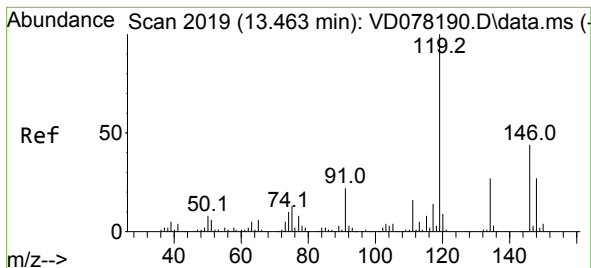
Tgt Ion:105 Resp: 24623

Ion Ratio Lower Upper

105 100

134 19.2 10.9 32.9





#86

p-Isopropyltoluene

Concen: 3.443 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

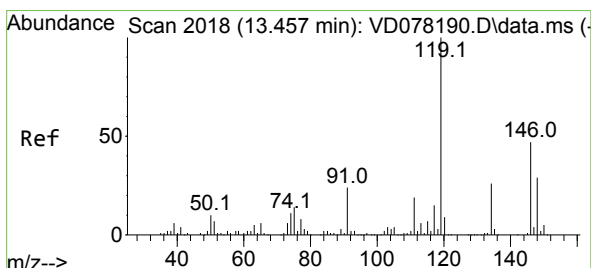
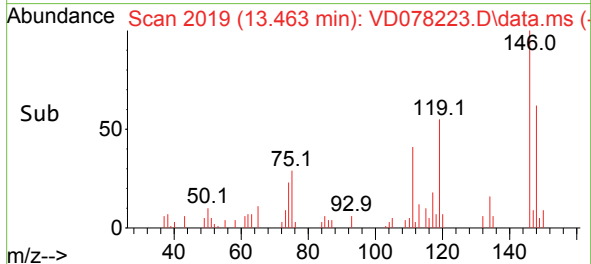
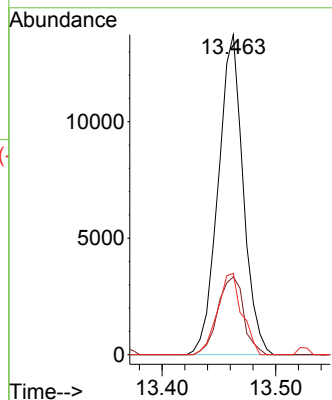
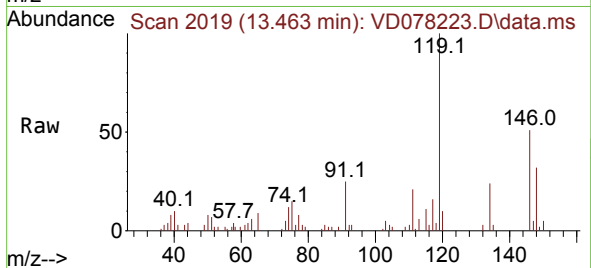
Tgt Ion:119 Resp: 20990

Ion Ratio Lower Upper

119 100

134 25.1 14.2 42.6

91 25.0 10.5 31.5



#87

1,3-Dichlorobenzene

Concen: 3.912 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

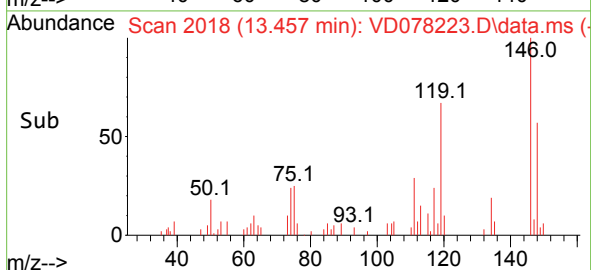
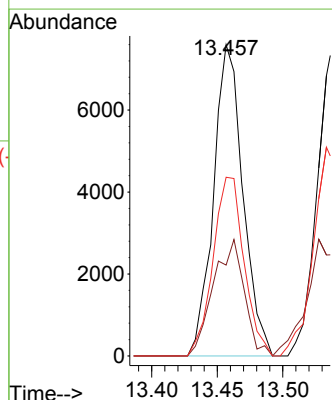
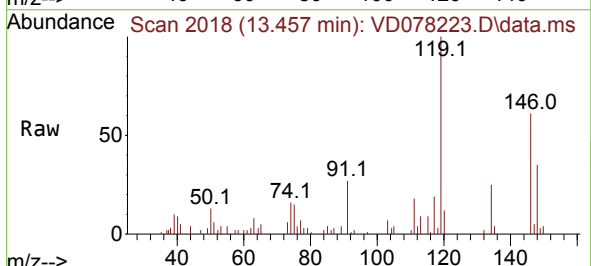
Tgt Ion:146 Resp: 11854

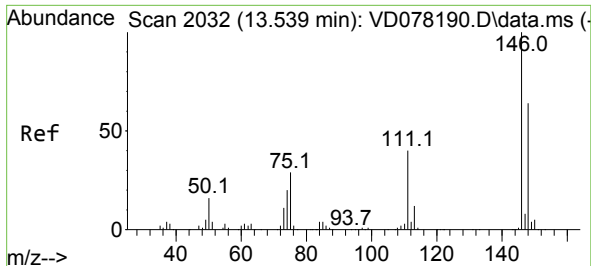
Ion Ratio Lower Upper

146 100

111 39.3 17.9 53.8

148 60.5 32.3 96.8

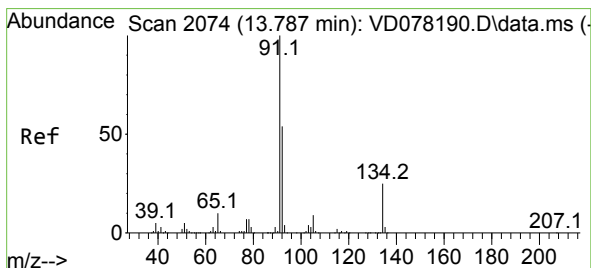
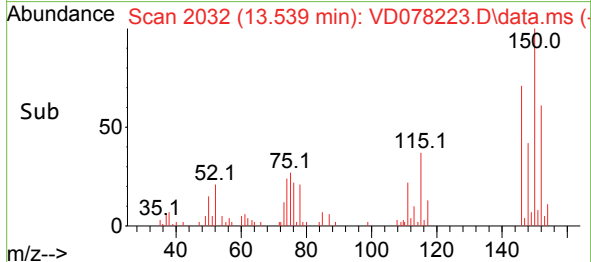
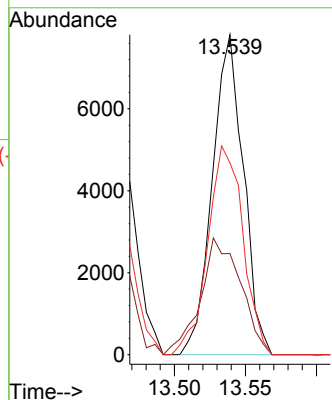
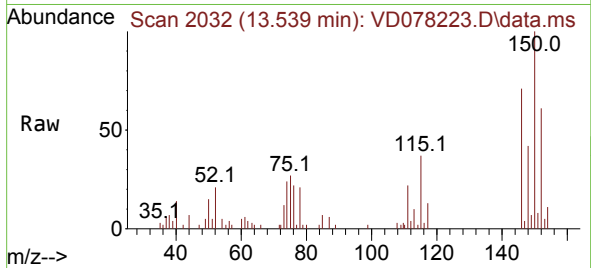




#88
1,4-Dichlorobenzene
Concen: 3.973 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

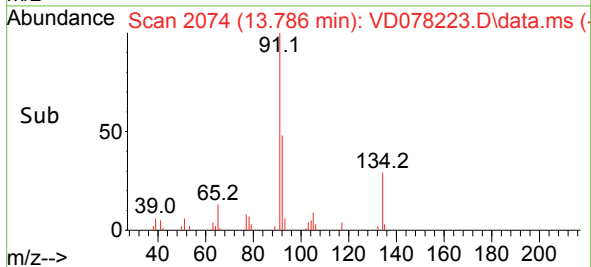
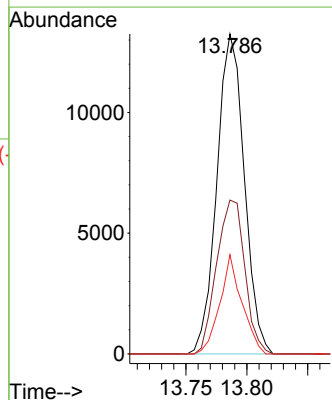
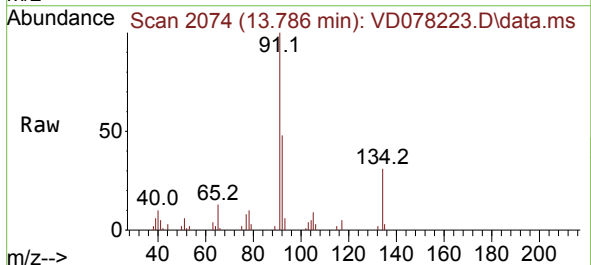
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

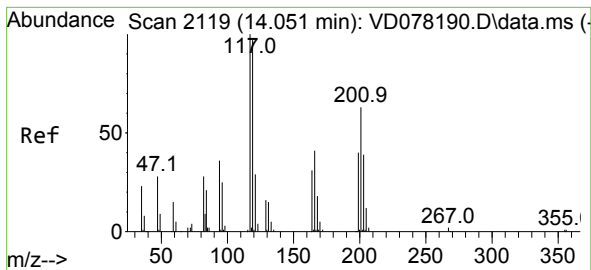
Tgt Ion:	146	Resp:	11892
Ion	Ratio	Lower	Upper
146	100		
111	47.3	17.4	52.3
148	73.9	31.7	95.1



#89
n-Butylbenzene
Concen: 3.501 ug/l
RT: 13.786 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VD078223.D
Acq: 24 Jan 2024 15:19

Tgt Ion:	91	Resp:	20779
Ion	Ratio	Lower	Upper
91	100		
92	49.4	26.5	79.5
134	25.0	13.8	41.3





#90

Hexachloroethane

Concen: 3.670 ug/l

RT: 14.051 min Scan# 2119

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

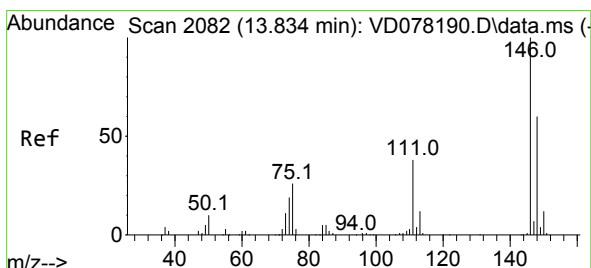
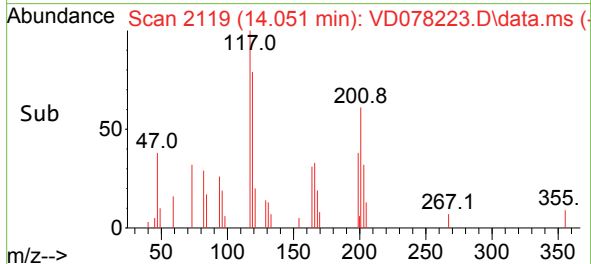
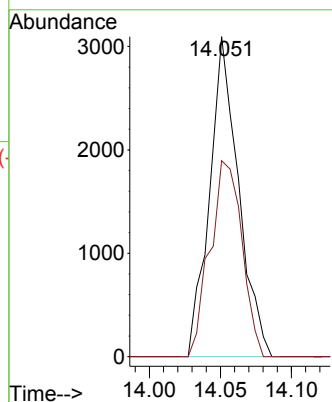
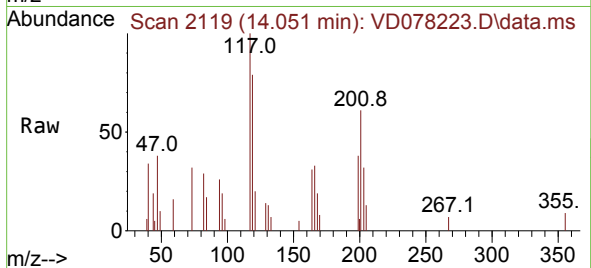
MDL-SOIL-03-QT1-2024

Tgt Ion:117 Resp: 4389

Ion Ratio Lower Upper

117 100

201 67.3 38.5 115.5



#91

1,2-Dichlorobenzene

Concen: 4.008 ug/l

RT: 13.833 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

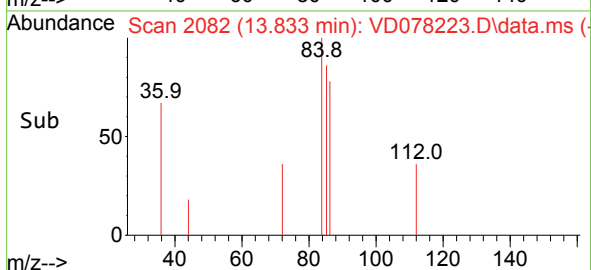
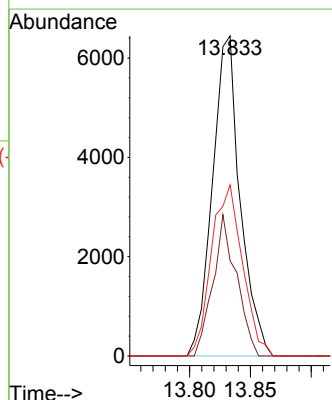
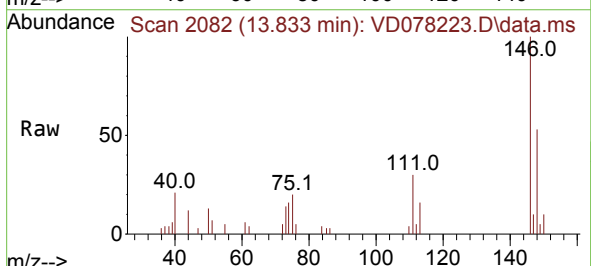
Tgt Ion:146 Resp: 10213

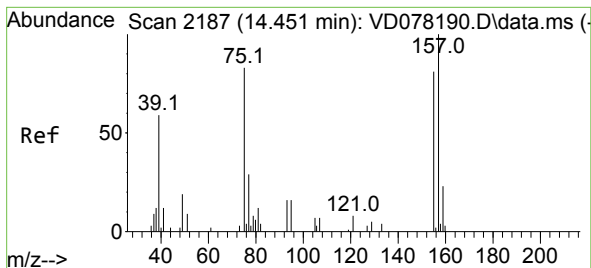
Ion Ratio Lower Upper

146 100

111 37.4 18.3 54.8

148 59.9 31.6 94.7





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.871 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

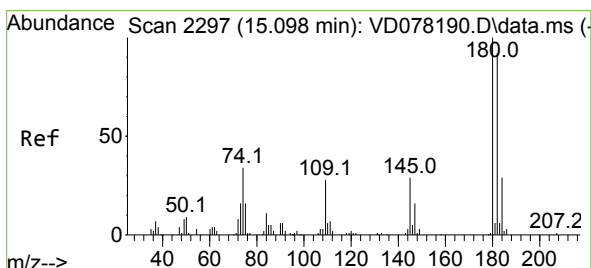
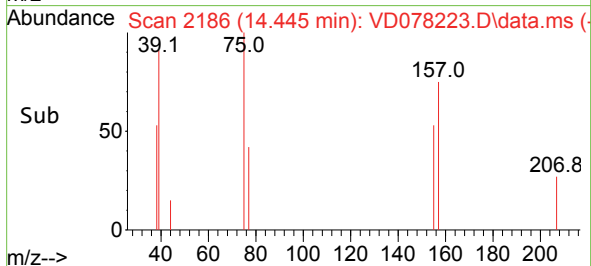
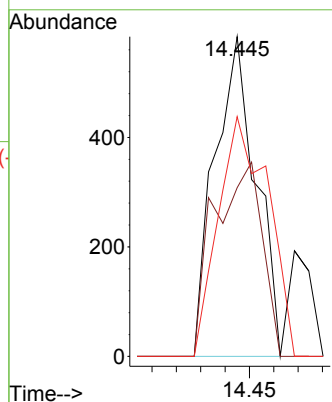
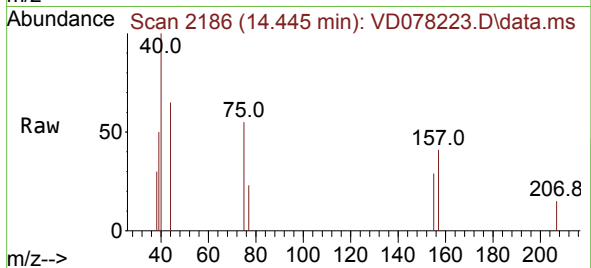
Tgt Ion: 75 Resp: 687

Ion Ratio Lower Upper

75 100

155 70.6 47.9 143.8

157 90.4 59.9 179.7



#93

1,2,4-Trichlorobenzene

Concen: 3.404 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

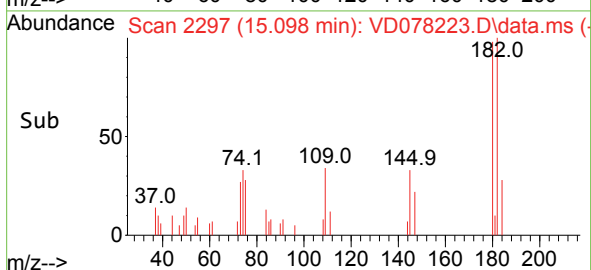
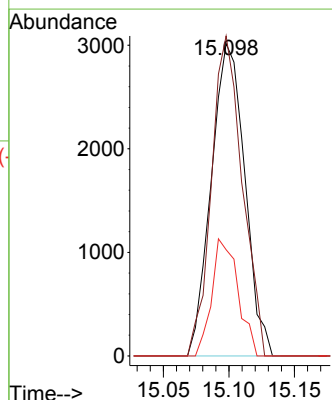
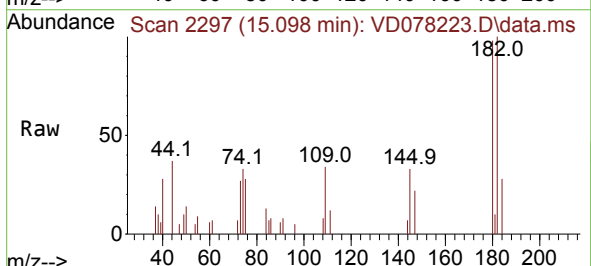
Tgt Ion:180 Resp: 5361

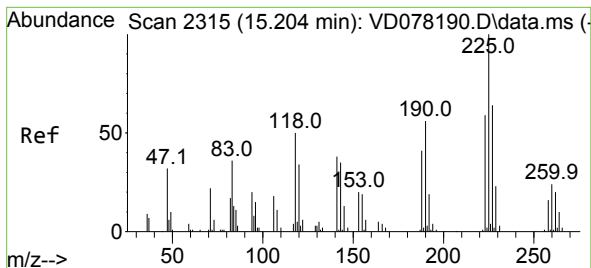
Ion Ratio Lower Upper

180 100

182 94.3 48.5 145.6

145 29.3 14.2 42.6





#94

Hexachlorobutadiene

Concen: 3.716 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. -0.000 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

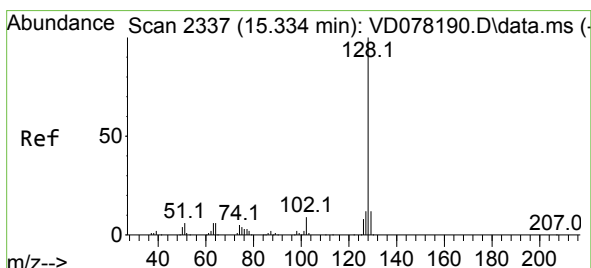
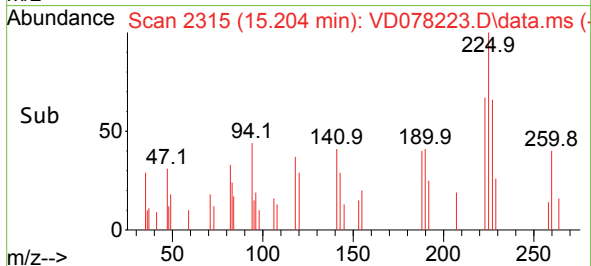
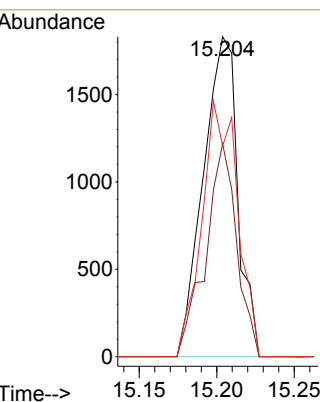
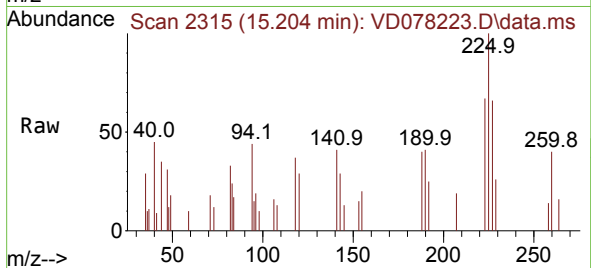
Tgt Ion:225 Resp: 2828

Ion Ratio Lower Upper

225 100

223 59.9 31.6 94.8

227 82.3 31.7 95.1



#95

Naphthalene

Concen: 3.188 ug/l

RT: 15.327 min Scan# 2336

Delta R.T. -0.006 min

Lab File: VD078223.D

Acq: 24 Jan 2024 15:19

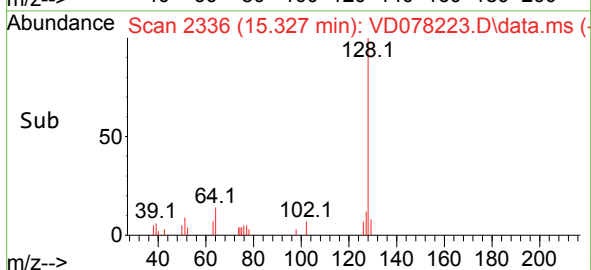
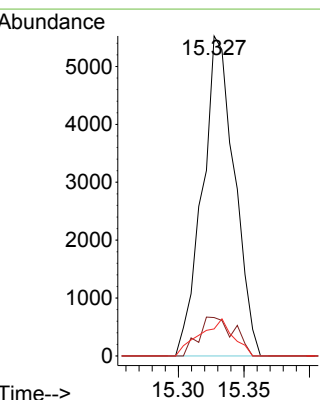
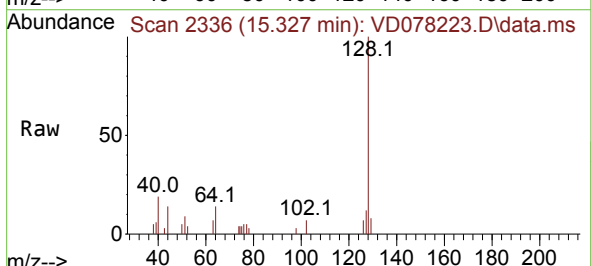
Tgt Ion:128 Resp: 9388

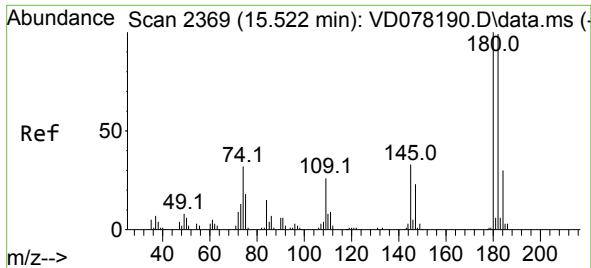
Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

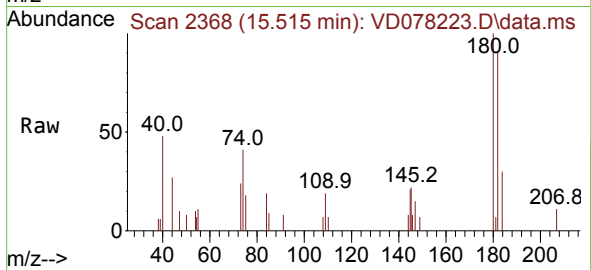
129 8.4 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.406 ug/l
 RT: 15.515 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VD078223.D
 Acq: 24 Jan 2024 15:19

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



Tgt Ion:	180	Resp:	4501
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.9
145	37.8	15.1	45.3

