

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013024\
 Data File : VD078282.D
 Acq On : 30 Jan 2024 16:48
 Operator : RP/MD
 Sample : P1187-03 2.5 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jan 31 01:17:59 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 01:16:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	93626	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	183032	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	167915	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	74591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	61872	53.383	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.760%	
35) Dibromofluoromethane	7.805	113	63929	49.061	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.120%	
50) Toluene-d8	10.269	98	240445	48.738	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	12.575	95	66682	45.134	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 90.260%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	3330	2.941	ug/l	93
3) Chloromethane	2.152	50	5790	2.973	ug/l	90
4) Vinyl Chloride	2.281	62	7864	3.061	ug/l	98
5) Bromomethane	2.693	94	5300	3.408	ug/l	87
6) Chloroethane	2.834	64	5163	2.910	ug/l	# 83
7) Trichlorofluoromethane	3.175	101	5983	2.751	ug/l	99
8) Diethyl Ether	3.599	74	1458	2.266	ug/l	92
9) 1,1,2-Trichlorotrifluo...	3.975	101	4267	3.197	ug/l	89
10) Methyl Iodide	4.170	142	2857	2.353	ug/l	# 82
11) Tert butyl alcohol	5.064	59	1512	20.452	ug/l	# 73
12) 1,1-Dichloroethene	3.946	96	3524	2.736	ug/l	# 65
13) Acrolein	3.799	56	984	10.244	ug/l	# 59
14) Allyl chloride	4.564	41	4367	2.572	ug/l	# 63
15) Acrylonitrile	5.264	53	4577	16.093	ug/l	# 86
16) Acetone	4.034	43	5674	18.526	ug/l	# 65
17) Carbon Disulfide	4.264	76	10704	2.462	ug/l	# 89
18) Methyl Acetate	4.575	43	2991	4.842	ug/l	# 78
19) Methyl tert-butyl Ether	5.322	73	7668	2.863	ug/l	# 81
20) Methylene Chloride	4.817	84	7960	4.944	ug/l	# 91
21) trans-1,2-Dichloroethene	5.317	96	3598	2.471	ug/l	# 78
22) Diisopropyl ether	6.228	45	9658	2.673	ug/l	# 81
23) Vinyl Acetate	6.164	43	22689	10.292	ug/l	98
24) 1,1-Dichloroethane	6.111	63	7667	3.065	ug/l	# 90
25) 2-Butanone	7.093	43	5805	15.031	ug/l	91
26) 2,2-Dichloropropane	7.081	77	6128	2.999	ug/l	80
27) cis-1,2-Dichloroethene	7.075	96	4628	2.867	ug/l	85
28) Bromochloromethane	7.428	49	2700	3.026	ug/l	# 43
29) Tetrahydrofuran	7.440	42	2741	13.267	ug/l	# 83
30) Chloroform	7.605	83	7232	2.828	ug/l	99
31) Cyclohexane	7.875	56	7691	3.543	ug/l	# 70
32) 1,1,1-Trichloroethane	7.793	97	6303	2.859	ug/l	95
36) 1,1-Dichloropropene	8.010	75	5620	2.601	ug/l	91
37) Ethyl Acetate	7.169	43	2890	3.475	ug/l	# 64
38) Carbon Tetrachloride	7.987	117	5601	2.636	ug/l	86
39) Methylcyclohexane	9.269	83	6482	2.537	ug/l	98
40) Benzene	8.246	78	16118	2.556	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.393	41	627	1.402	ug/l #	2
42) 1,2-Dichloroethane	8.322	62	4574	2.797	ug/l	84
43) Isopropyl Acetate	8.363	43	3799	2.548	ug/l #	56
44) Trichloroethene	9.034	130	4076	2.633	ug/l	97
45) 1,2-Dichloropropane	9.305	63	4178	2.710	ug/l	91
46) Dibromomethane	9.393	93	1903	2.225	ug/l #	37
47) Bromodichloromethane	9.587	83	5500	2.614	ug/l	94
48) Methyl methacrylate	9.381	41	2340	3.284	ug/l #	66
49) 1,4-Dioxane	9.381	88	518	53.990	ug/l #	53
51) 4-Methyl-2-Pentanone	10.163	43	10136	12.566	ug/l #	84
52) Toluene	10.334	92	9944	2.600	ug/l	95
53) t-1,3-Dichloropropene	10.557	75	5093	2.591	ug/l	99
54) cis-1,3-Dichloropropene	10.022	75	5632	2.420	ug/l #	88
55) 1,1,2-Trichloroethane	10.728	97	3486	3.123	ug/l #	91
56) Ethyl methacrylate	10.604	69	2182	1.724	ug/l #	60
57) 1,3-Dichloropropane	10.887	76	5110	2.655	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.869	63	6817	11.841	ug/l	92
59) 2-Hexanone	10.922	43	7437	12.242	ug/l	88
60) Dibromochloromethane	11.069	129	3563	2.750	ug/l	84
61) 1,2-Dibromoethane	11.181	107	2766	2.625	ug/l	96
64) Tetrachloroethene	10.810	164	3504	2.992	ug/l #	73
65) Chlorobenzene	11.604	112	10331	2.572	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.681	131	3737	2.613	ug/l	96
67) Ethyl Benzene	11.687	91	17991	2.472	ug/l	89
68) m/p-Xylenes	11.793	106	12782	4.566	ug/l	92
69) o-Xylene	12.116	106	6295	2.447	ug/l	95
70) Styrene	12.134	104	8908	2.027	ug/l	94
71) Bromoform	12.299	173	1960	2.782	ug/l #	97
73) Isopropylbenzene	12.422	105	15815	2.506	ug/l	99
74) N-amyl acetate	12.234	43	3334	2.554	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.675	83	3423	2.809	ug/l	97
76) 1,2,3-Trichloropropane	12.728	75	2933	3.762	ug/l #	100
77) Bromobenzene	12.698	156	4146	2.985	ug/l	73
78) n-propylbenzene	12.763	91	21214	2.698	ug/l	96
79) 2-Chlorotoluene	12.846	91	11066	2.629	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	13334	2.597	ug/l	87
81) trans-1,4-Dichloro-2-b...	12.575	75	36925	94.196	ug/l #	17
82) 4-Chlorotoluene	12.951	91	11720	2.612	ug/l	98
83) tert-Butylbenzene	13.163	119	10987	2.508	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	12551	2.416	ug/l	94
85) sec-Butylbenzene	13.345	105	17257	2.510	ug/l	96
86) p-Isopropyltoluene	13.457	119	13375	2.375	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	7980	2.766	ug/l	93
88) 1,4-Dichlorobenzene	13.540	146	8745	3.063	ug/l	91
89) n-Butylbenzene	13.787	91	14258	2.598	ug/l	94
90) Hexachloroethane	14.057	117	3711	3.299	ug/l	73
91) 1,2-Dichlorobenzene	13.828	146	6667	2.701	ug/l	89
92) 1,2-Dibromo-3-Chloropr...	14.440	75	525	3.073	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.098	180	4167	2.919	ug/l	97
94) Hexachlorobutadiene	15.198	225	2014	2.879	ug/l	89
95) Naphthalene	15.334	128	7624	2.678	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.516	180	3450	2.744	ug/l	91

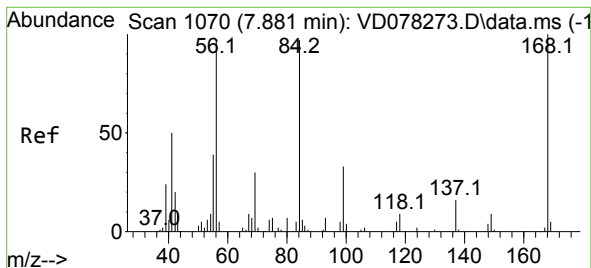
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

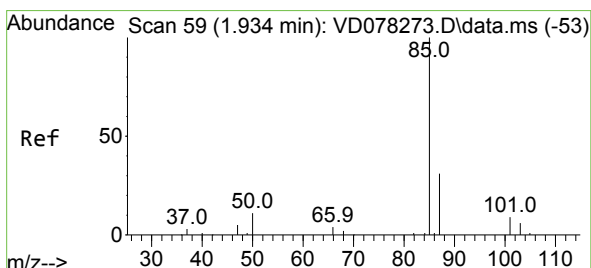
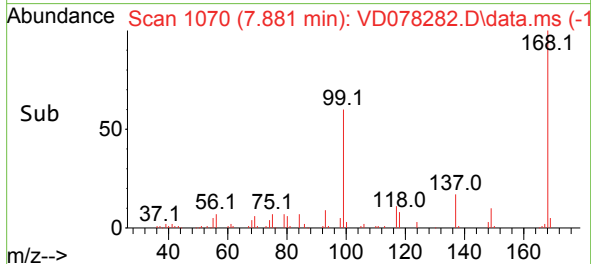
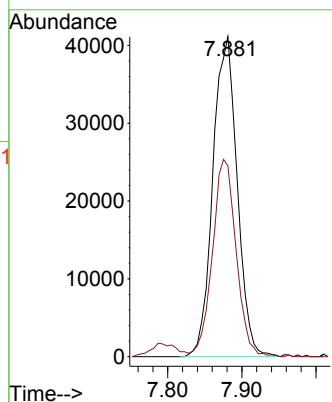
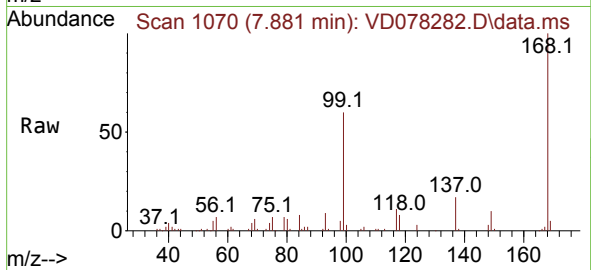
MDL-SOIL-03-QT1-2024

Tgt Ion:168 Resp: 93626

Ion Ratio Lower Upper

168 100

99 59.6 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 2.941 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078282.D

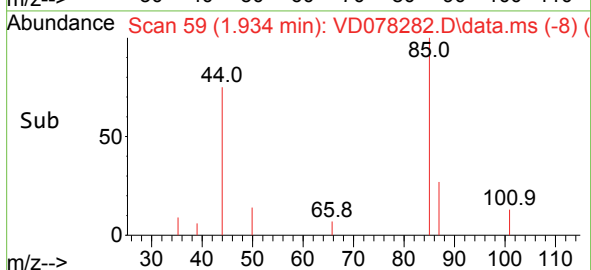
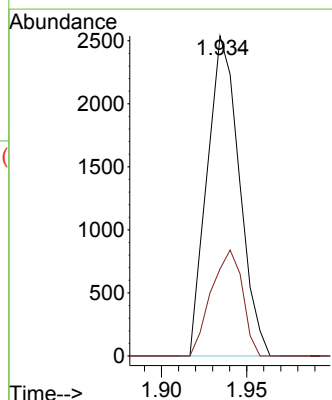
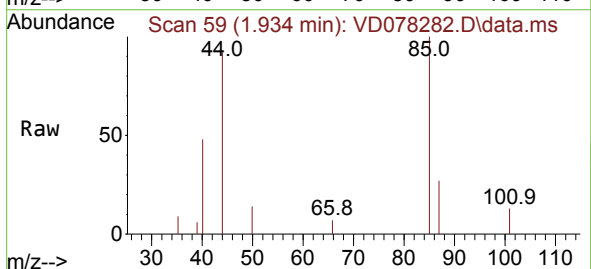
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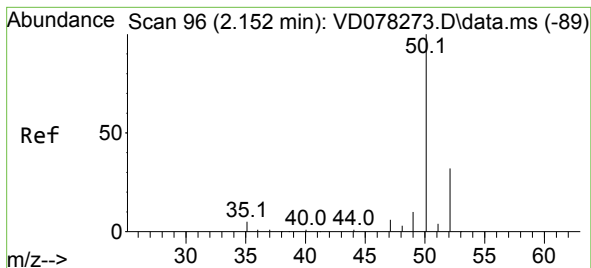
Tgt Ion: 85 Resp: 3330

Ion Ratio Lower Upper

85 100

87 27.2 15.7 47.0





#3

Chloromethane

Concen: 2.973 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

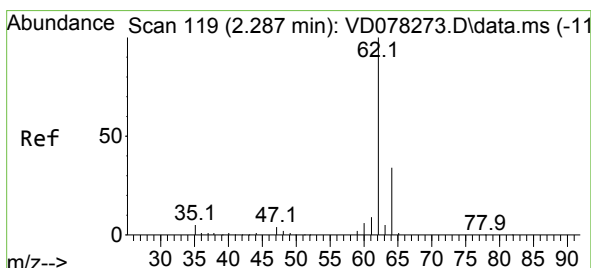
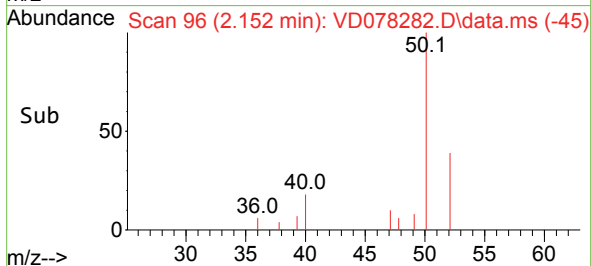
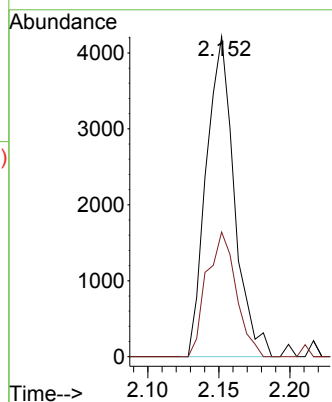
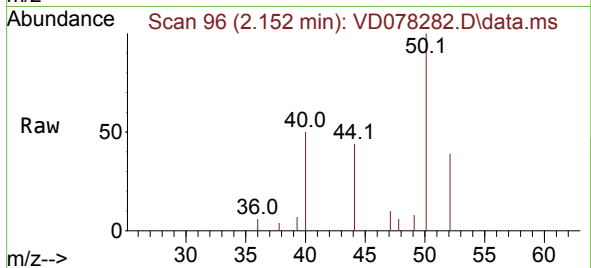
MDL-SOIL-03-QT1-2024

Tgt Ion: 50 Resp: 5790

Ion Ratio Lower Upper

50 100

52 38.9 26.6 40.0



#4

Vinyl Chloride

Concen: 3.061 ug/l

RT: 2.281 min Scan# 118

Delta R.T. -0.006 min

Lab File: VD078282.D

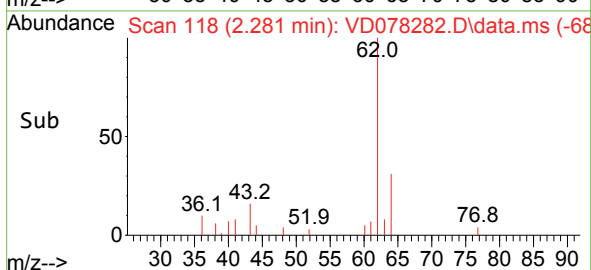
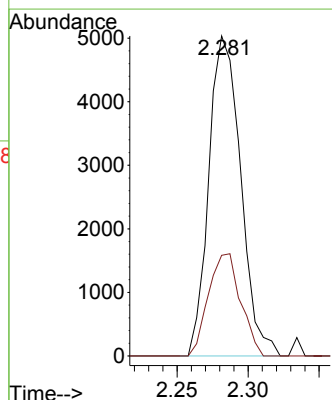
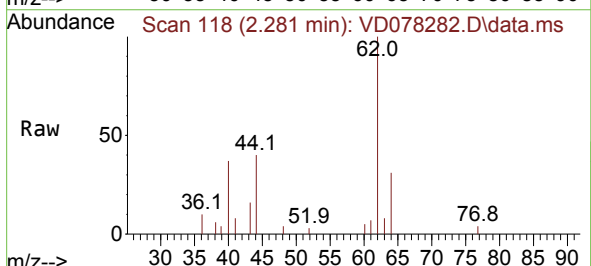
Acq: 30 Jan 2024 16:48

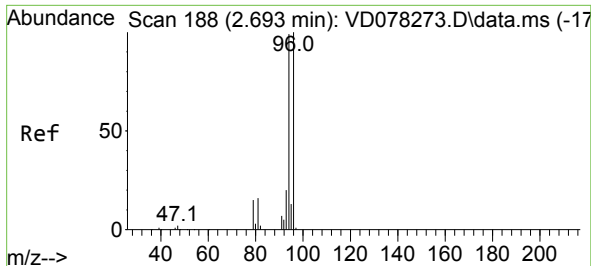
Tgt Ion: 62 Resp: 7864

Ion Ratio Lower Upper

62 100

64 31.4 26.0 39.0

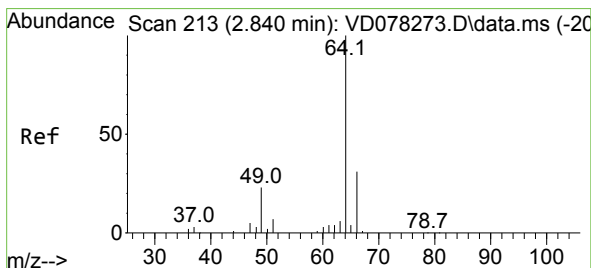
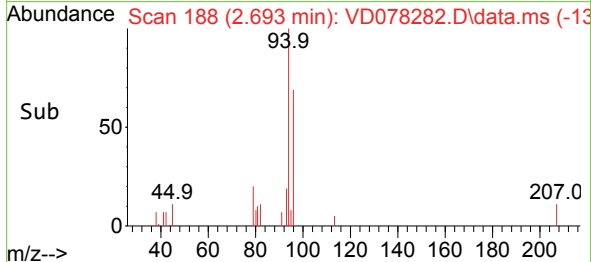
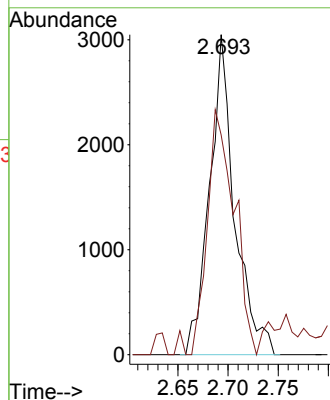
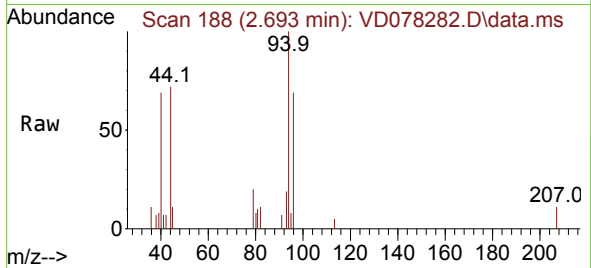




#5
Bromomethane
Concen: 3.408 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

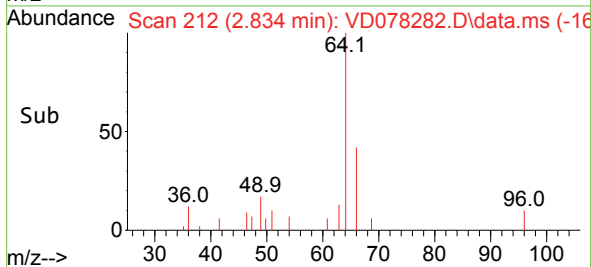
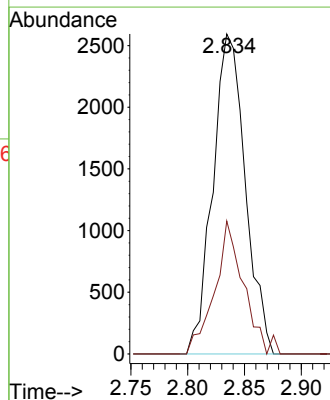
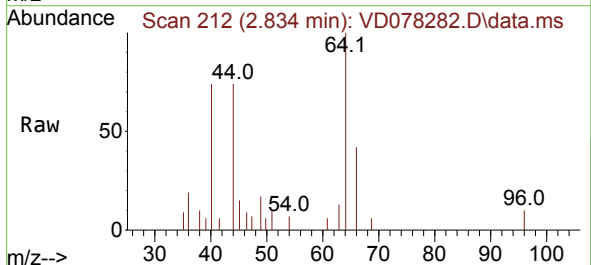
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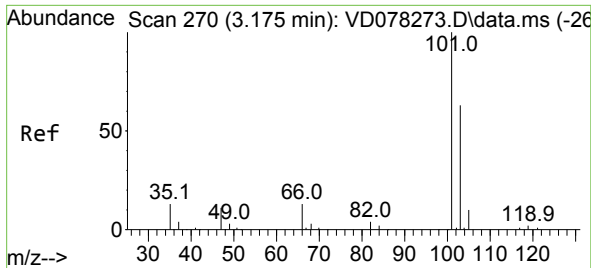
Tgt Ion: 94 Resp: 5300
Ion Ratio Lower Upper
94 100
96 82.2 75.8 113.8



#6
Chloroethane
Concen: 2.910 ug/l
RT: 2.834 min Scan# 212
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 64 Resp: 5163
Ion Ratio Lower Upper
64 100
66 41.6 25.5 38.3#

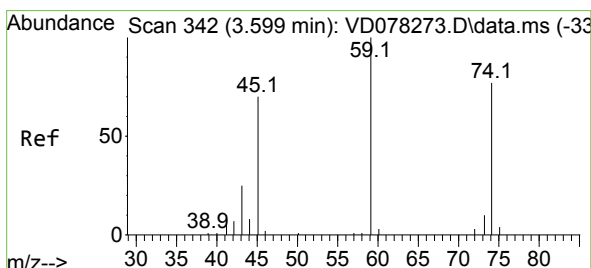
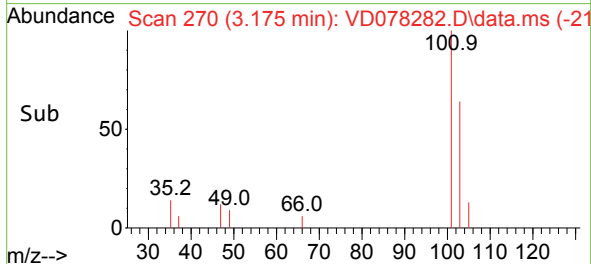
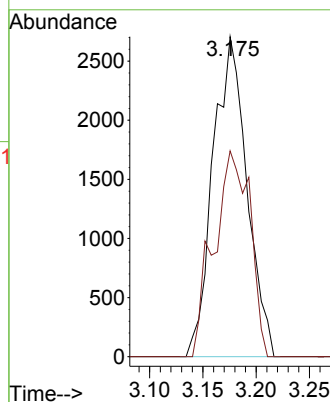
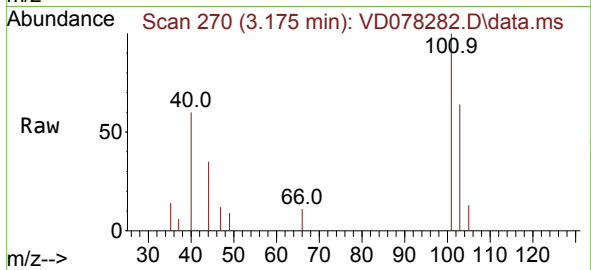




#7
Trichlorofluoromethane
Concen: 2.751 ug/l
RT: 3.175 min Scan# 210
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

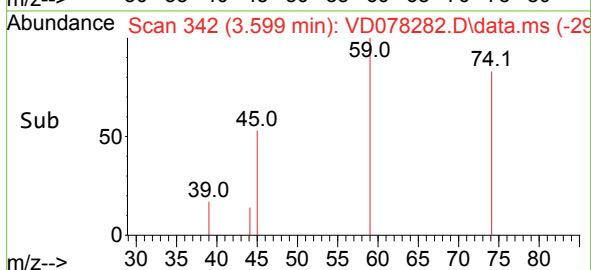
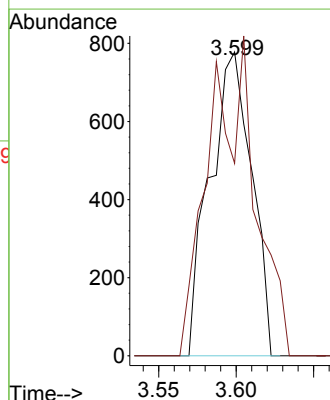
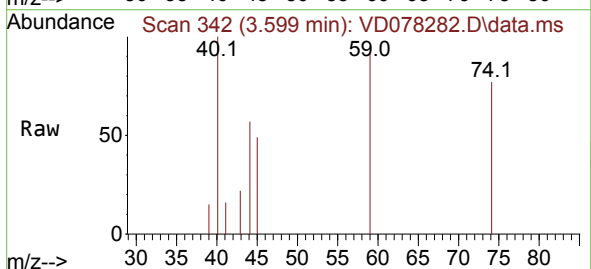
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

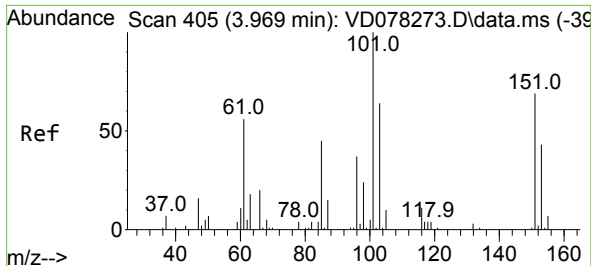
Tgt Ion:101 Resp: 5983
Ion Ratio Lower Upper
101 100
103 64.3 52.3 78.5



#8
Diethyl Ether
Concen: 2.266 ug/l
RT: 3.599 min Scan# 342
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 74 Resp: 1458
Ion Ratio Lower Upper
74 100
45 68.0 37.5 112.7

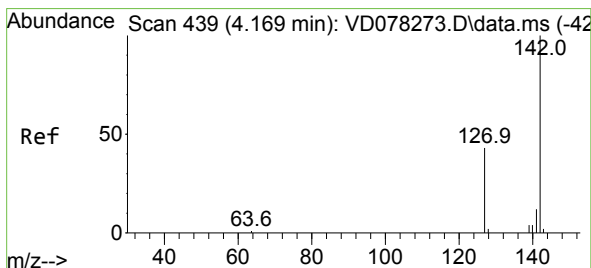
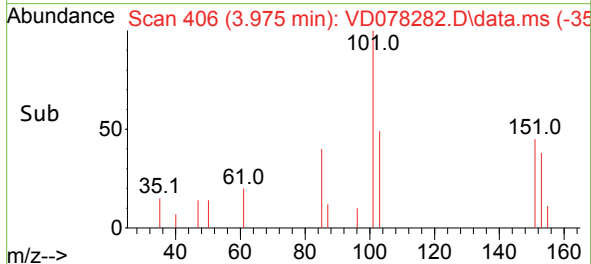
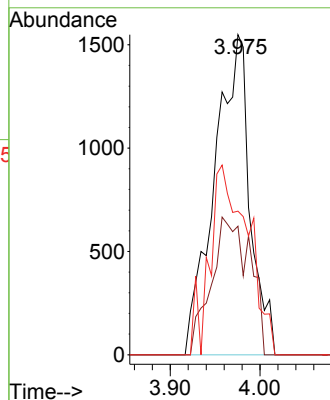
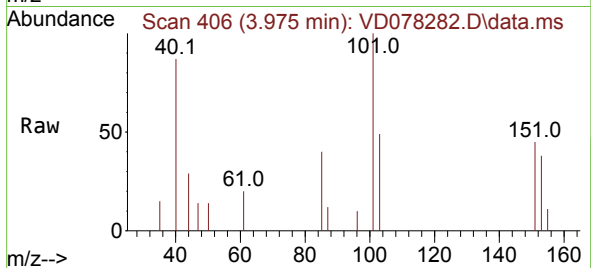




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.197 ug/l
RT: 3.975 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

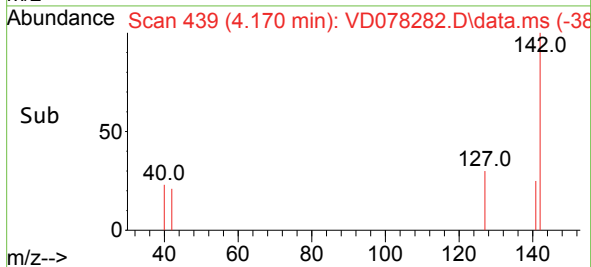
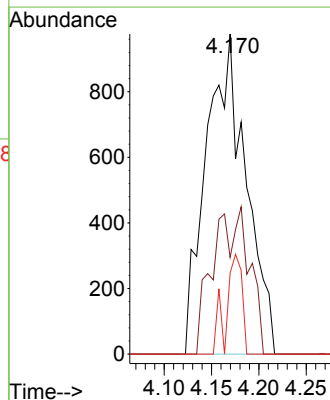
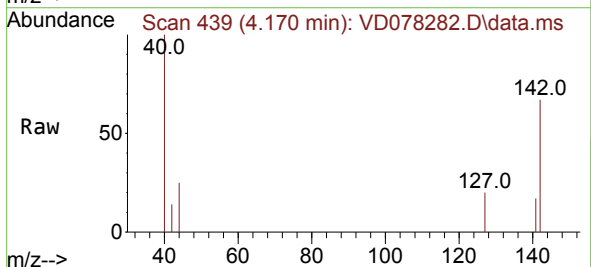
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

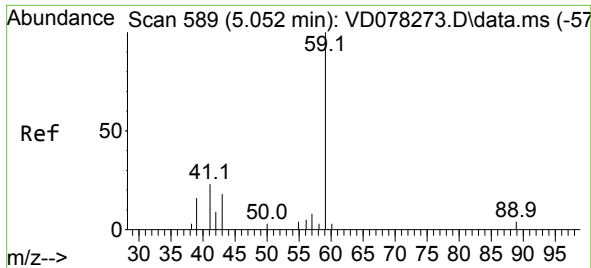
Tgt Ion:101 Resp: 4267
Ion Ratio Lower Upper
101 100
85 46.8 33.8 50.6
151 63.8 59.8 89.6



#10
Methyl Iodide
Concen: 2.353 ug/l
RT: 4.170 min Scan# 439
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:142 Resp: 2857
Ion Ratio Lower Upper
142 100
127 22.6 29.4 44.0#
141 12.4 11.1 16.7

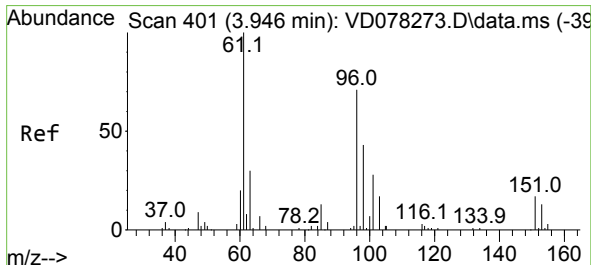
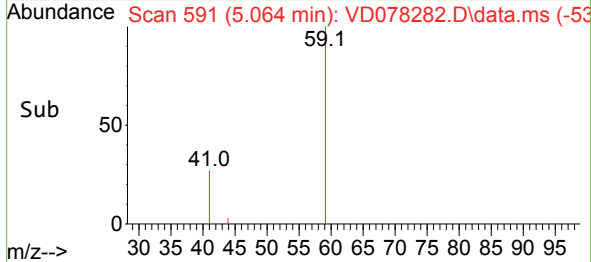
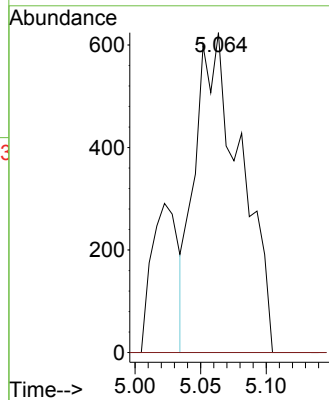
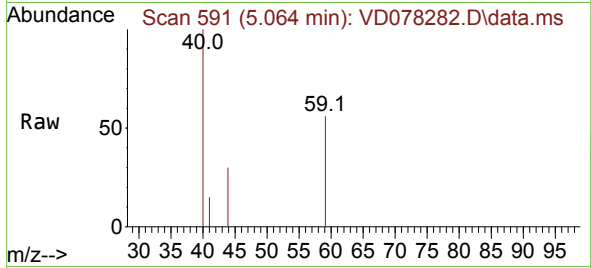




#11
Tert butyl alcohol
Concen: 20.452 ug/l
RT: 5.064 min Scan# 591
Delta R.T. 0.012 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

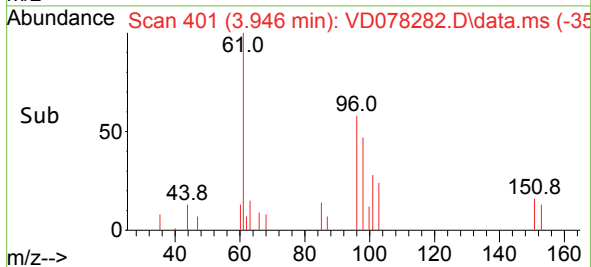
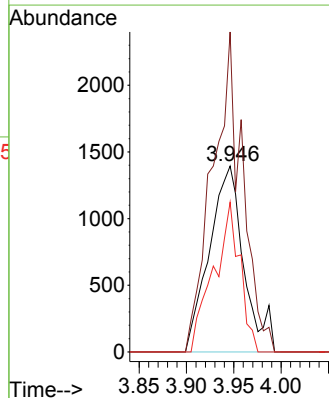
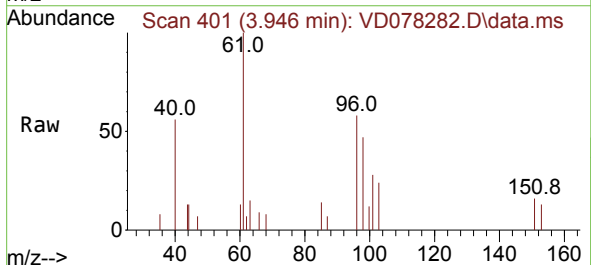
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

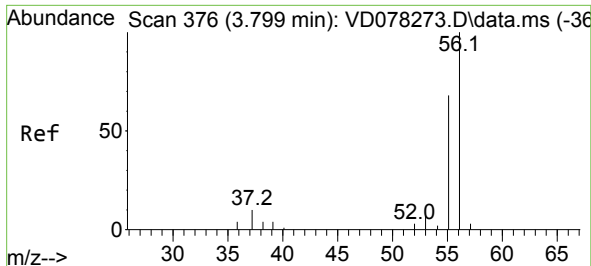
Tgt Ion: 59 Resp: 1512
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 2.736 ug/l
RT: 3.946 min Scan# 401
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 96 Resp: 3524
Ion Ratio Lower Upper
96 100
61 172.0 100.6 150.8#
98 80.5 50.2 75.2#





#13

Acrolein

Concen: 10.244 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD078282.D

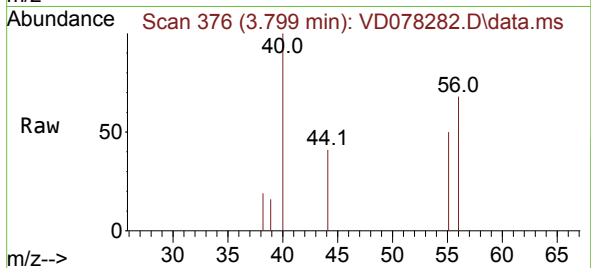
Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

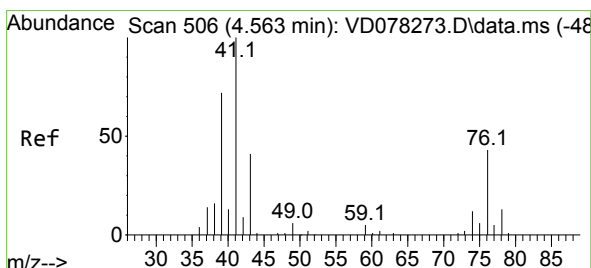
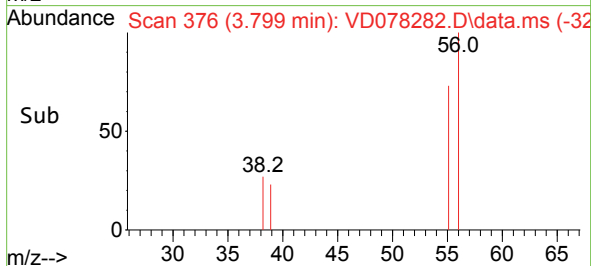
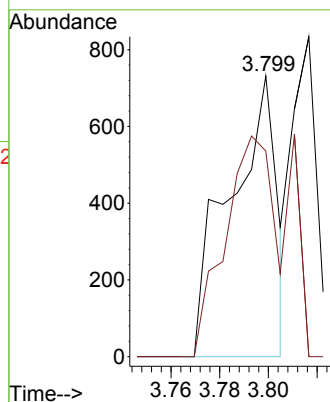


Tgt Ion: 56 Resp: 984

Ion Ratio Lower Upper

56 100

55 102.4 55.1 82.7#



#14

Allyl chloride

Concen: 2.572 ug/l

RT: 4.564 min Scan# 506

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

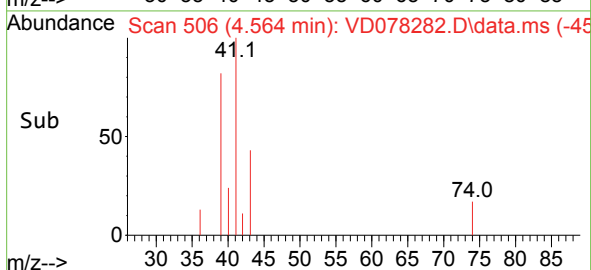
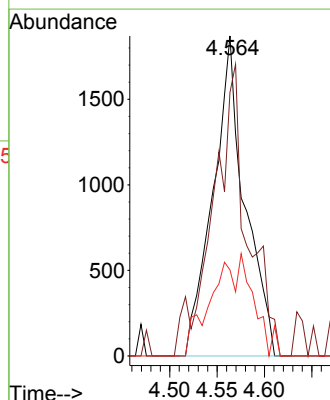
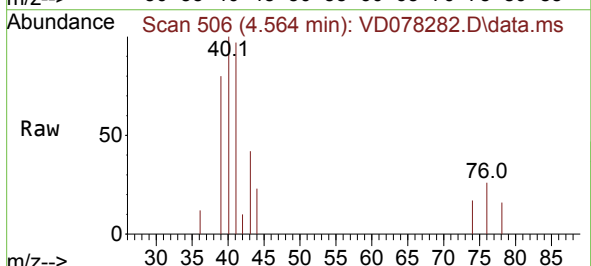
Tgt Ion: 41 Resp: 4367

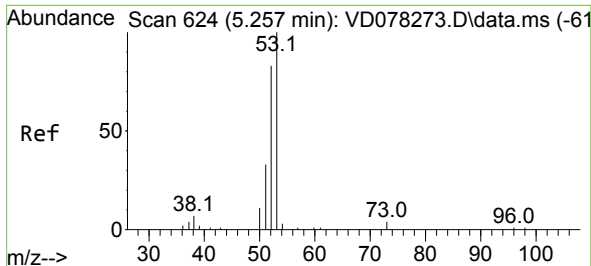
Ion Ratio Lower Upper

41 100

39 92.3 53.8 80.6#

76 25.4 45.8 68.8#

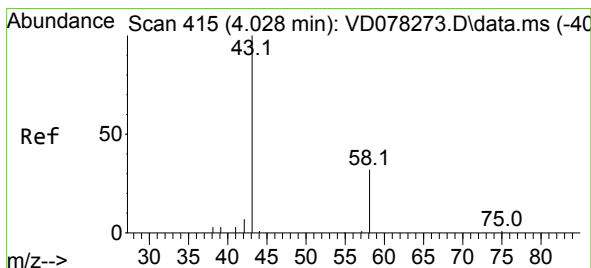
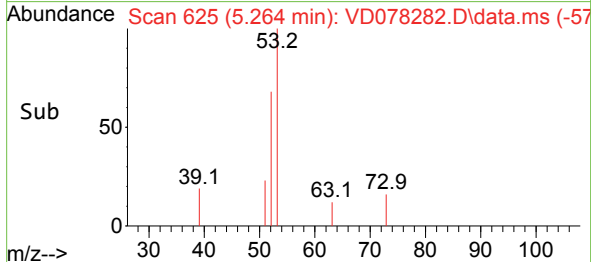
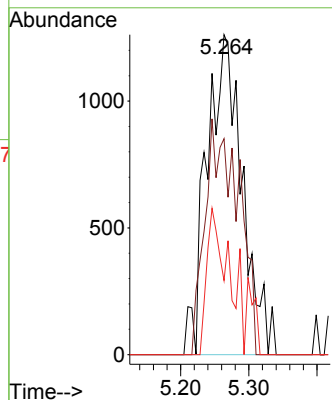
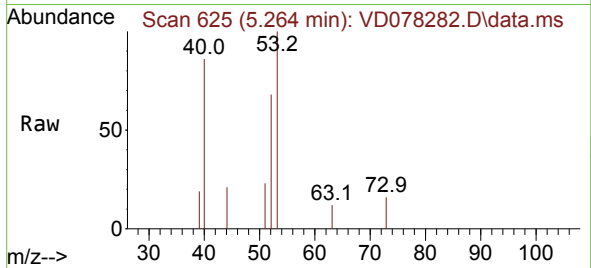




#15
Acrylonitrile
Concen: 16.093 ug/l
RT: 5.264 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

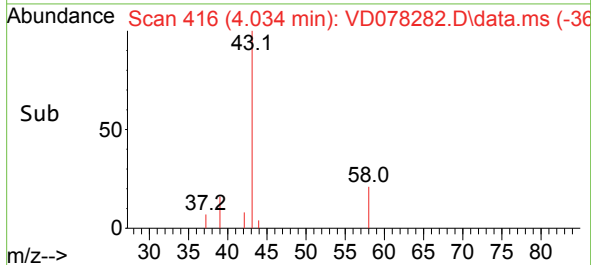
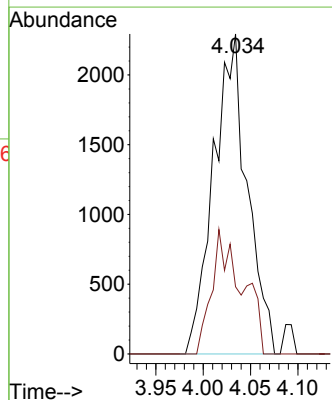
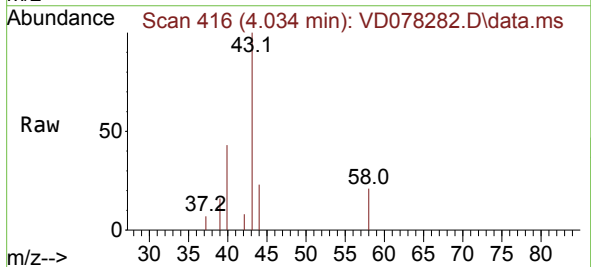
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

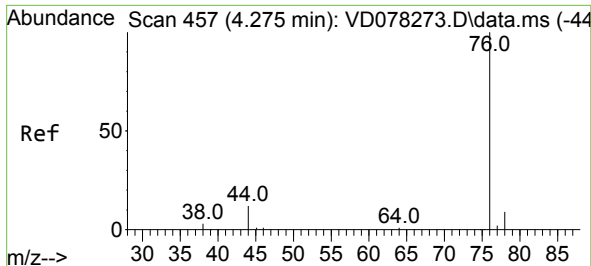
Tgt Ion: 53 Resp: 4577
Ion Ratio Lower Upper
53 100
52 69.8 65.0 97.4
51 24.8 28.3 42.5#



#16
Acetone
Concen: 18.526 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 43 Resp: 5674
Ion Ratio Lower Upper
43 100
58 21.0 34.7 52.1#

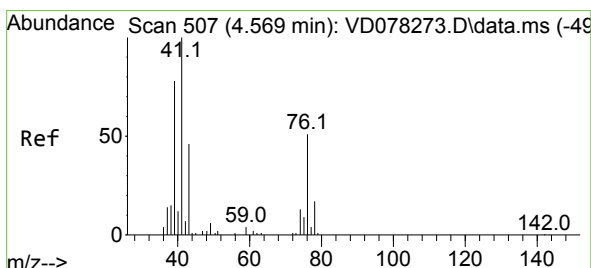
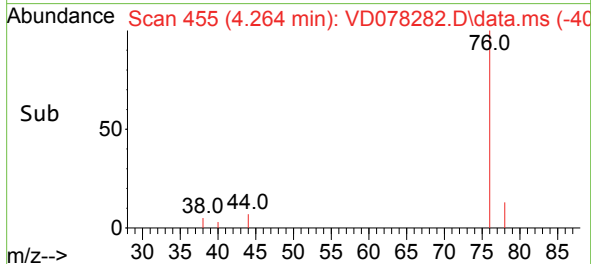
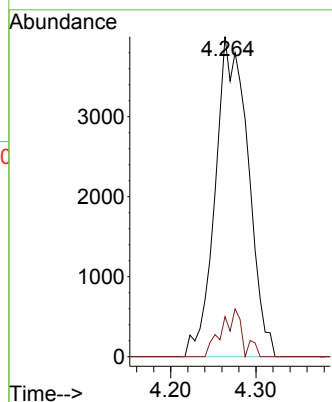
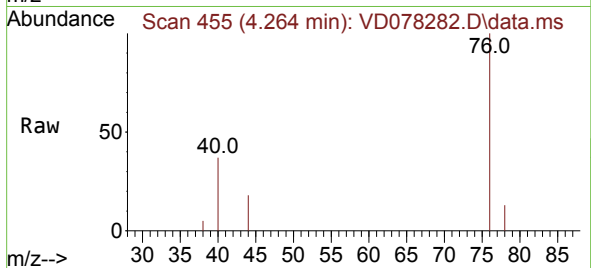




#17
Carbon Disulfide
Concen: 2.462 ug/l
RT: 4.264 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

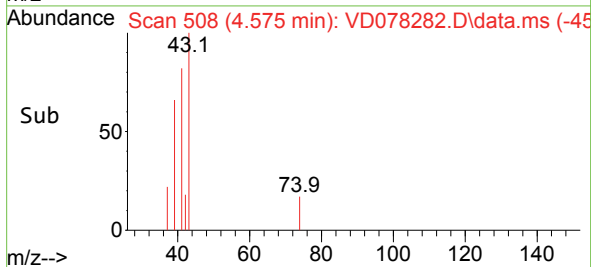
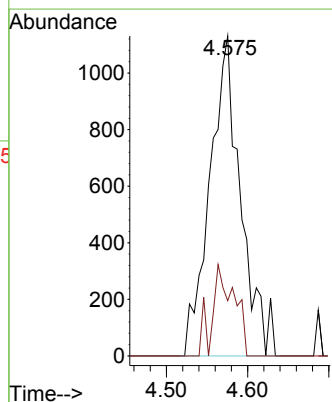
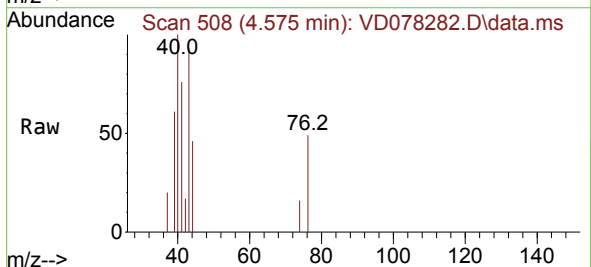
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

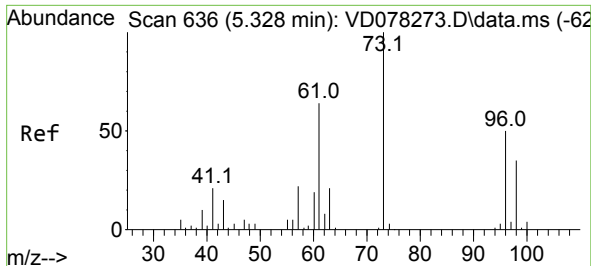
Tgt Ion: 76 Resp: 10704
Ion Ratio Lower Upper
76 100
78 12.5 6.8 10.2#



#18
Methyl Acetate
Concen: 4.842 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 43 Resp: 2991
Ion Ratio Lower Upper
43 100
74 20.5 26.4 39.6#

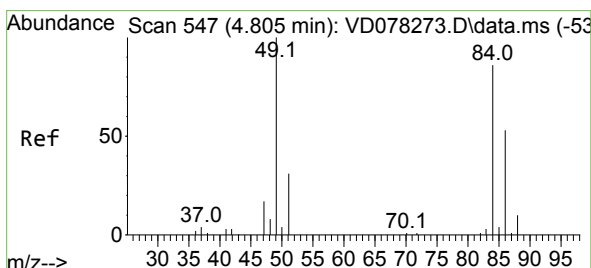
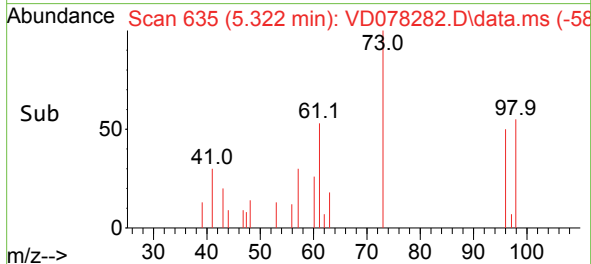
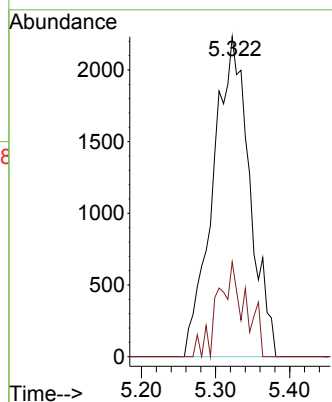
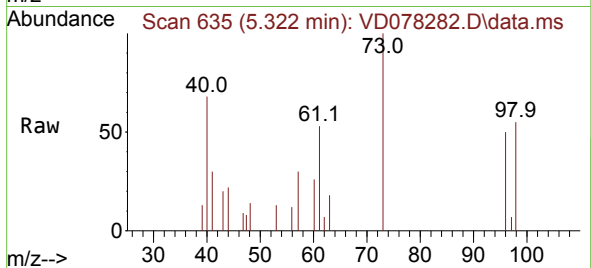




#19
Methyl tert-butyl Ether
Concen: 2.863 ug/l
RT: 5.322 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

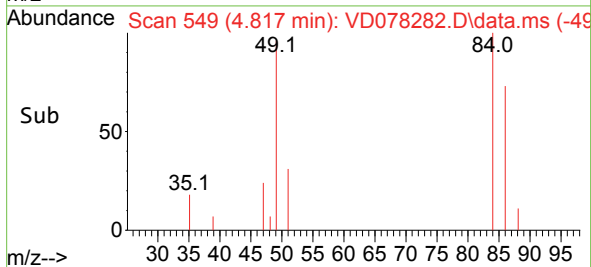
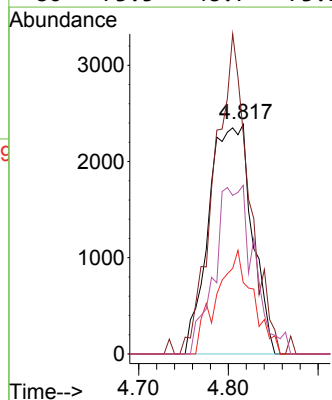
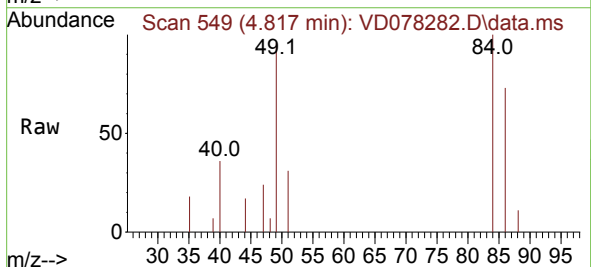
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

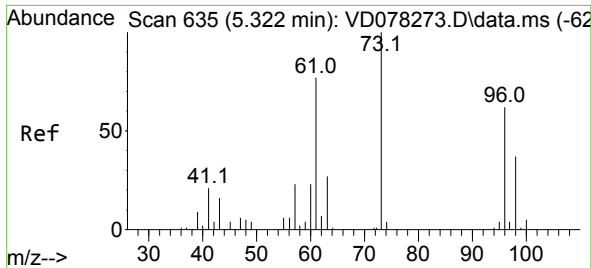
Tgt Ion: 73 Resp: 7668
Ion Ratio Lower Upper
73 100
57 29.6 16.6 25.0#



#20
Methylene Chloride
Concen: 4.944 ug/l
RT: 4.817 min Scan# 549
Delta R.T. 0.012 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 84 Resp: 7960
Ion Ratio Lower Upper
84 100
49 96.1 71.4 107.2
51 31.1 24.5 36.7
86 73.5 48.7 73.1#

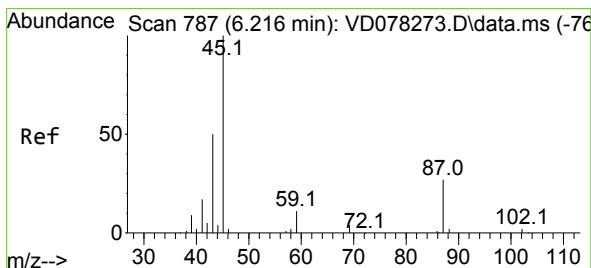
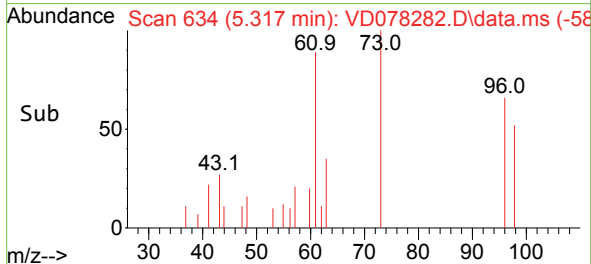
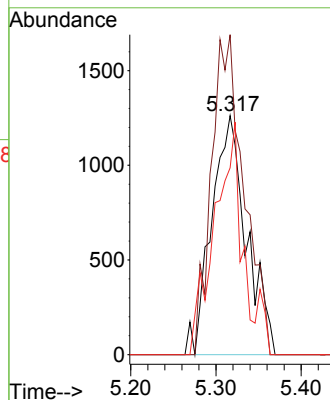
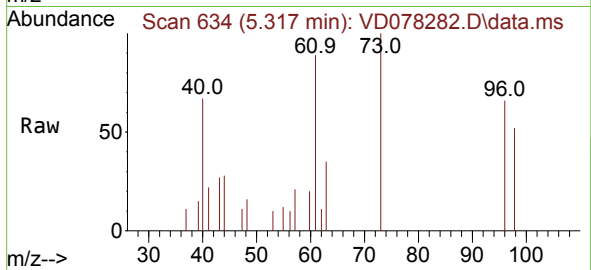




#21
trans-1,2-Dichloroethene
Concen: 2.471 ug/l
RT: 5.317 min Scan# 611
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

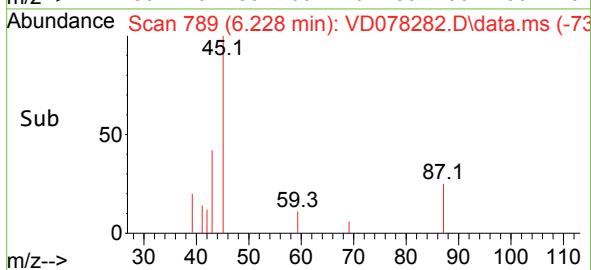
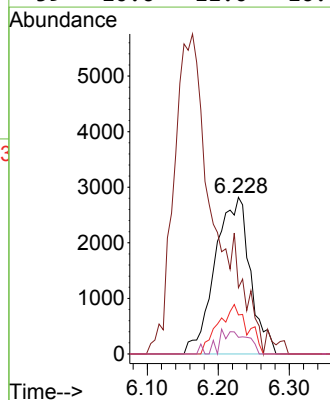
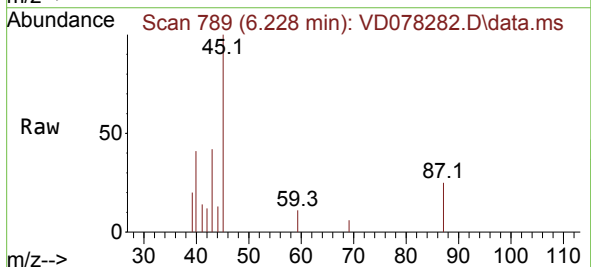
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

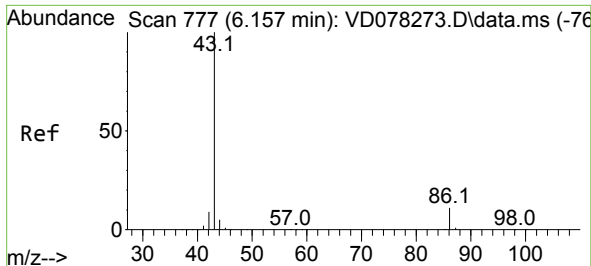
Tgt Ion: 96 Resp: 3598
Ion Ratio Lower Upper
96 100
61 133.9 89.3 133.9
98 78.2 48.6 73.0#



#22
Diisopropyl ether
Concen: 2.673 ug/l
RT: 6.228 min Scan# 789
Delta R.T. 0.012 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 45 Resp: 9658
Ion Ratio Lower Upper
45 100
43 34.4 40.0 60.0#
87 24.9 28.2 42.4#
59 10.6 11.0 16.4#

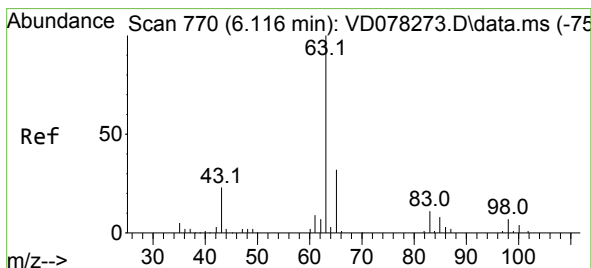
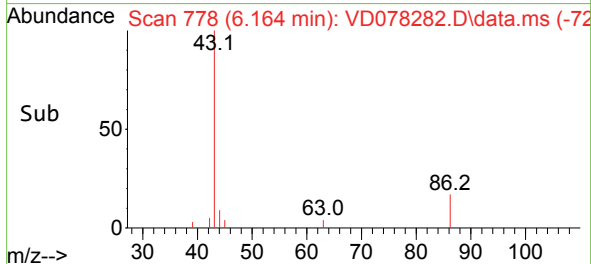
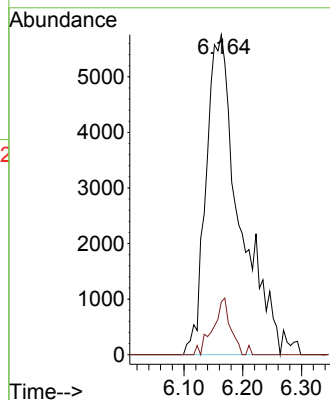
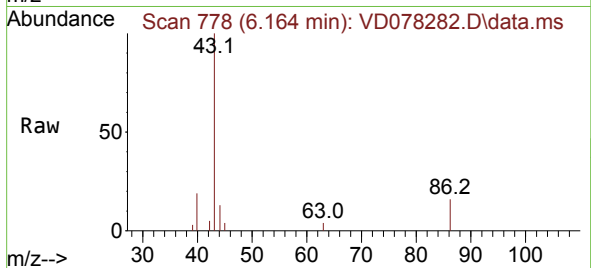




#23
 Vinyl Acetate
 Concen: 10.292 ug/l
 RT: 6.164 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD078282.D
 Acq: 30 Jan 2024 16:48

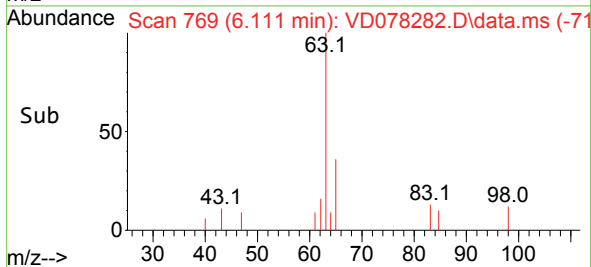
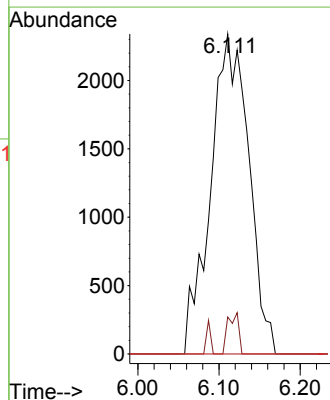
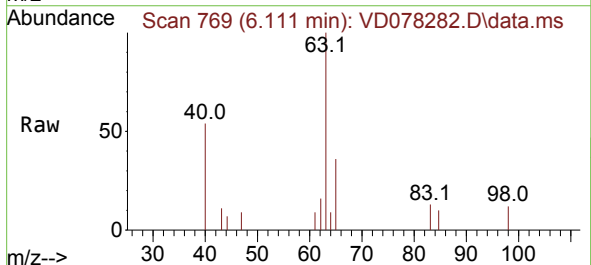
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

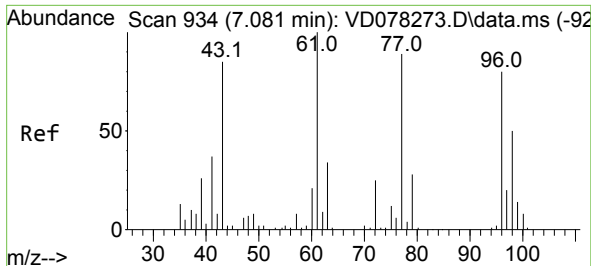
Tgt Ion: 43 Resp: 22689
 Ion Ratio Lower Upper
 43 100
 86 16.5 12.5 18.7



#24
 1,1-Dichloroethane
 Concen: 3.065 ug/l
 RT: 6.111 min Scan# 769
 Delta R.T. -0.006 min
 Lab File: VD078282.D
 Acq: 30 Jan 2024 16:48

Tgt Ion: 63 Resp: 7667
 Ion Ratio Lower Upper
 63 100
 98 11.6 4.5 13.7
 100 0.0 2.5 7.5#

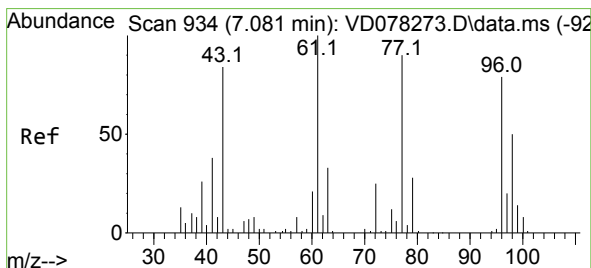
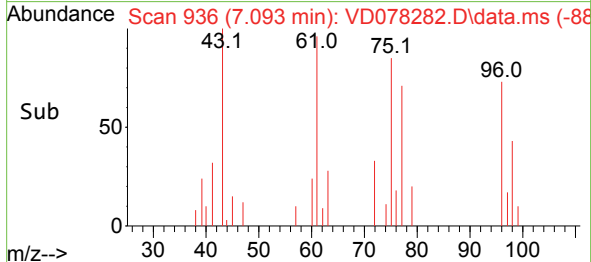
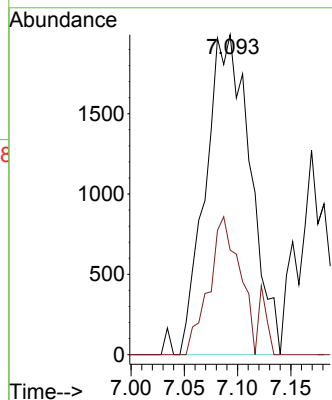
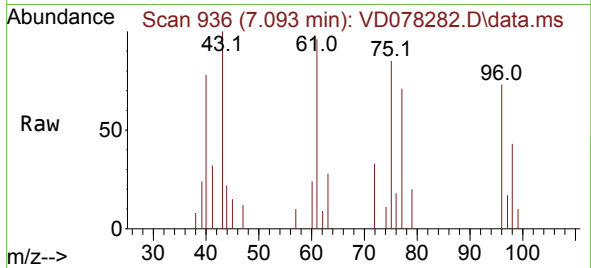




#25
2-Butanone
Concen: 15.031 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

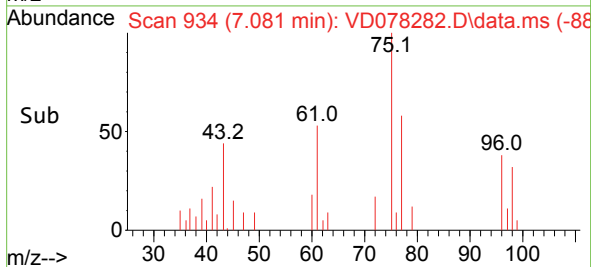
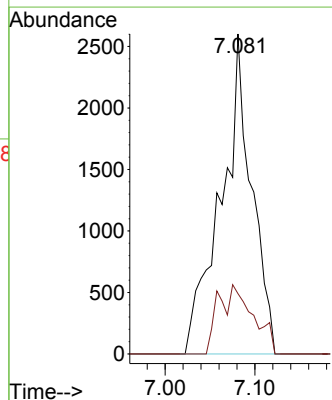
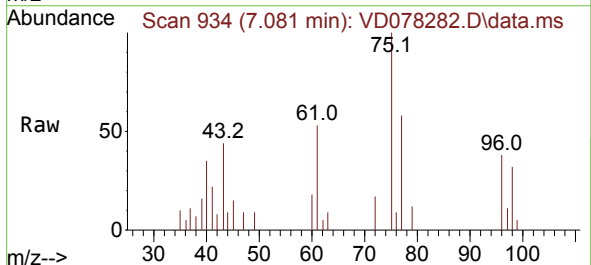
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

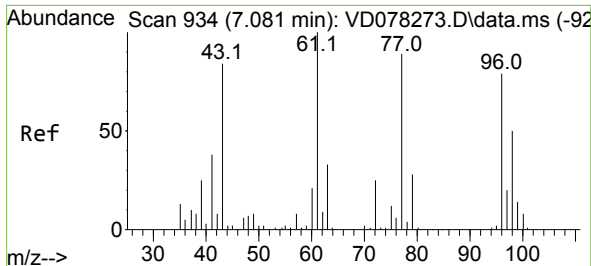
Tgt Ion: 43 Resp: 5805
Ion Ratio Lower Upper
43 100
72 32.7 30.7 46.1



#26
2,2-Dichloropropane
Concen: 2.999 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 77 Resp: 6128
Ion Ratio Lower Upper
77 100
97 16.2 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 2.867 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

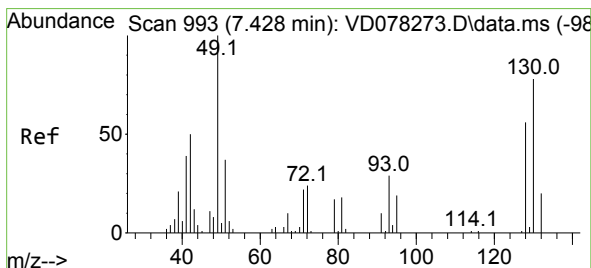
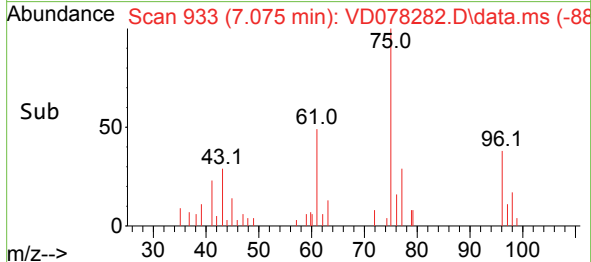
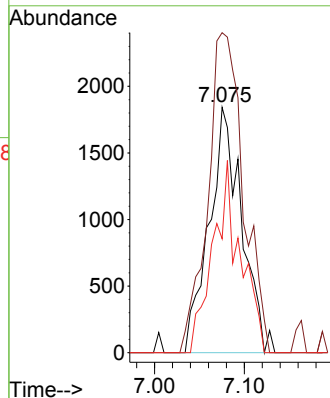
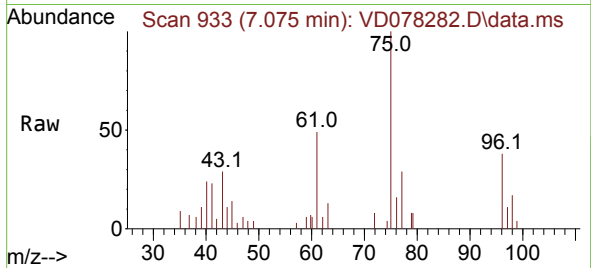
Tgt Ion: 96 Resp: 4628

Ion Ratio Lower Upper

96 100

61 143.3 0.0 239.2

98 65.9 0.0 128.6



#28

Bromochloromethane

Concen: 3.026 ug/l

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

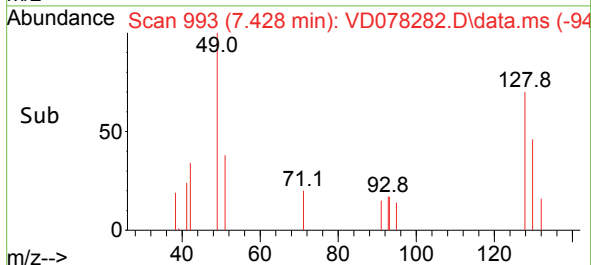
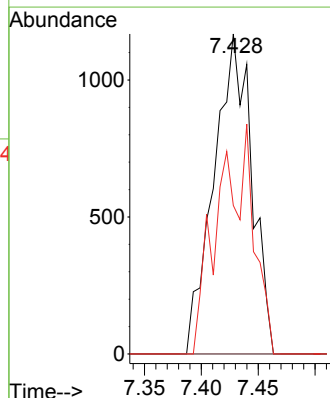
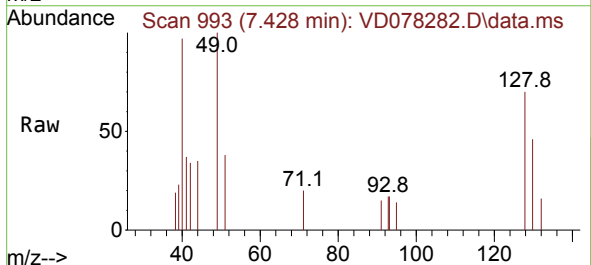
Tgt Ion: 49 Resp: 2700

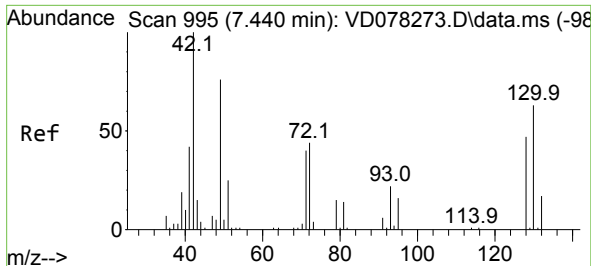
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 44.4 83.2 124.8#





#29

Tetrahydrofuran

Concen: 13.267 ug/l

RT: 7.440 min Scan# 995

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

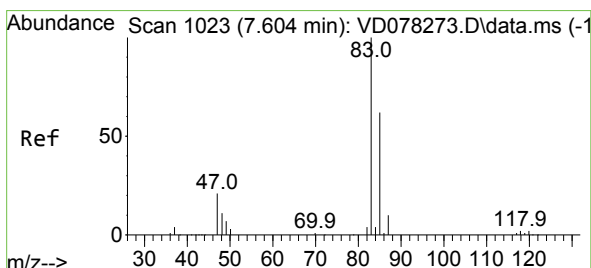
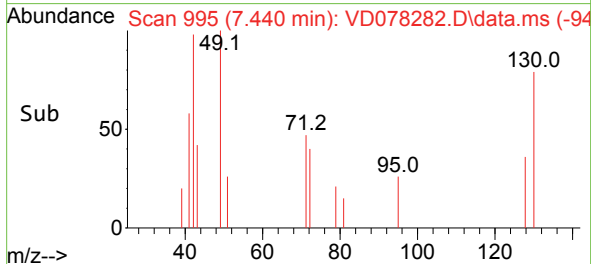
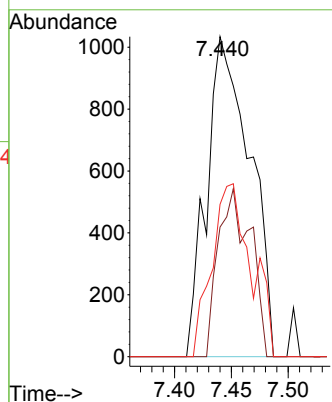
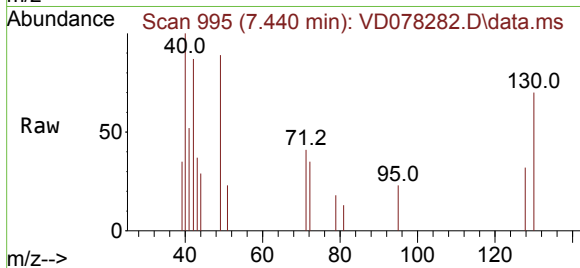
Tgt Ion: 42 Resp: 2741

Ion Ratio Lower Upper

42 100

72 39.4 46.5 69.7#

71 48.9 44.5 66.7



#30

Chloroform

Concen: 2.828 ug/l

RT: 7.605 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VD078282.D

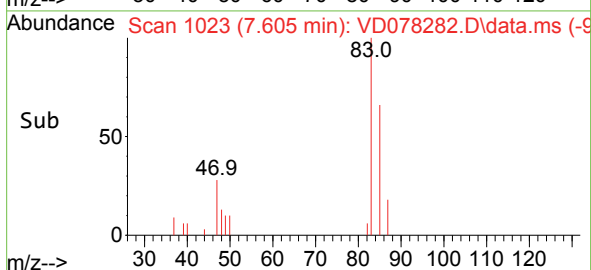
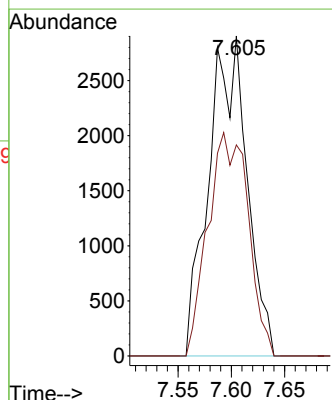
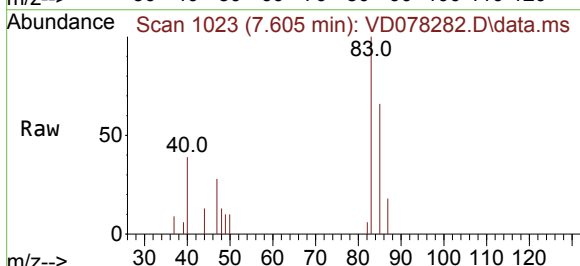
Acq: 30 Jan 2024 16:48

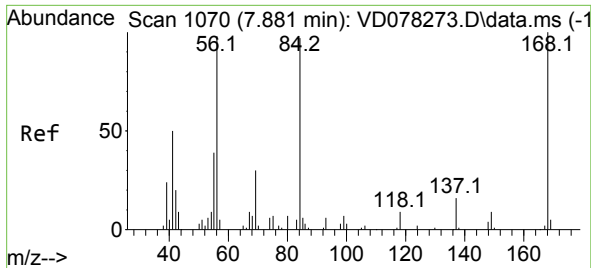
Tgt Ion: 83 Resp: 7232

Ion Ratio Lower Upper

83 100

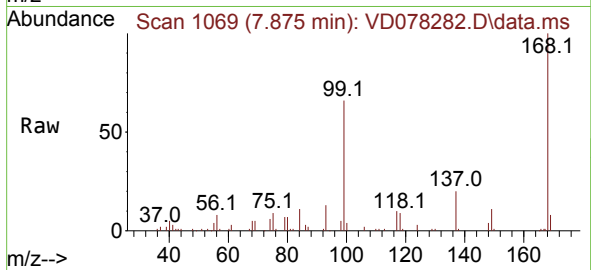
85 66.0 53.4 80.2



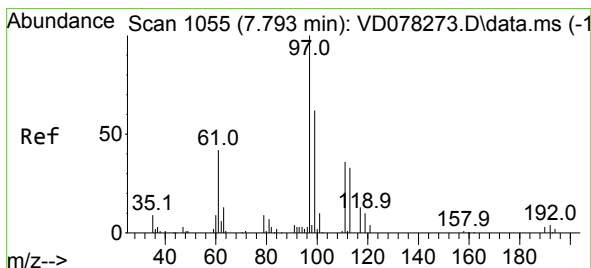
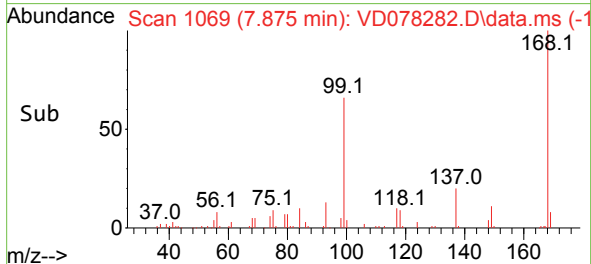
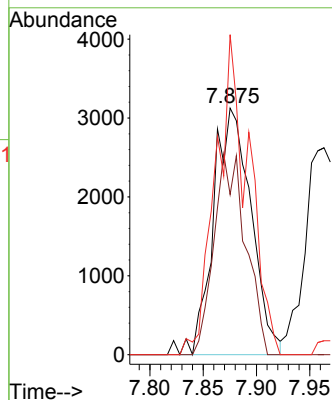


#31
Cyclohexane
Concen: 3.543 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

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

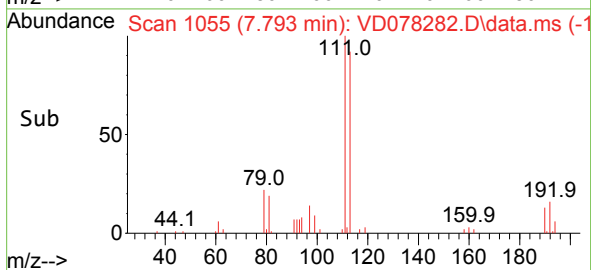
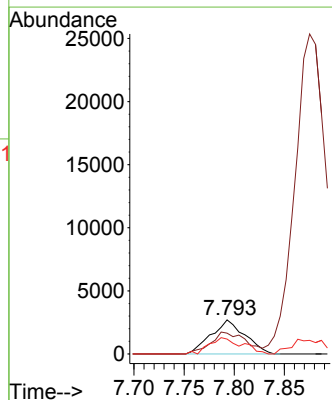
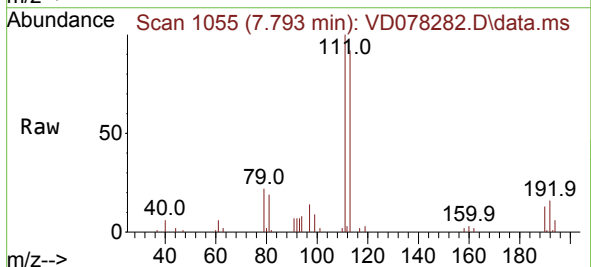


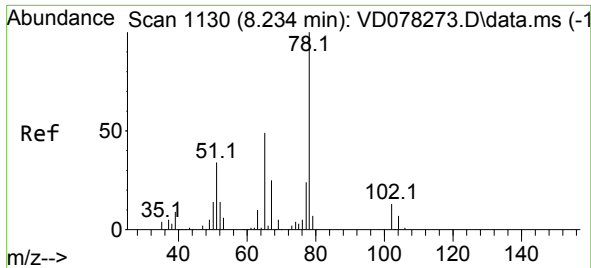
Tgt Ion: 56 Resp: 7691
Ion Ratio Lower Upper
56 100
69 65.0 28.6 43.0#
84 129.8 84.8 127.2#



#32
1,1,1-Trichloroethane
Concen: 2.859 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 97 Resp: 6303
Ion Ratio Lower Upper
97 100
99 67.6 52.0 78.0
61 46.6 33.8 50.8

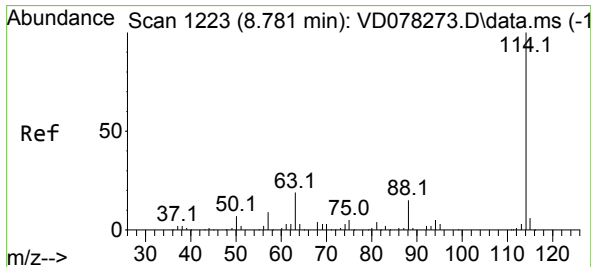
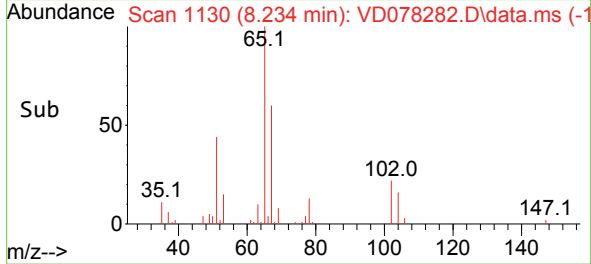
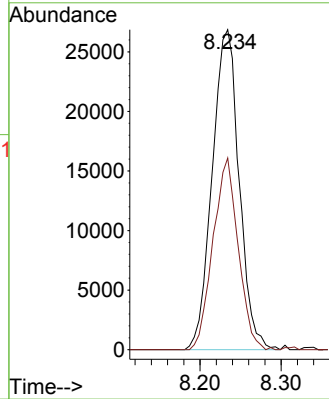
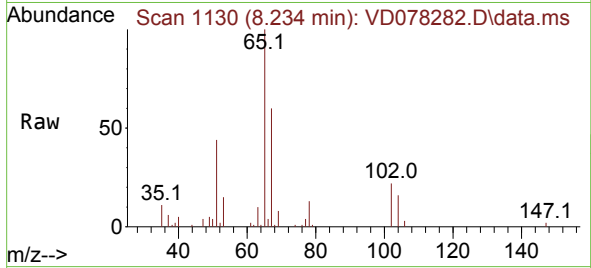




#33
 1,2-Dichloroethane-d4
 Concen: 53.383 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078282.D
 Acq: 30 Jan 2024 16:48

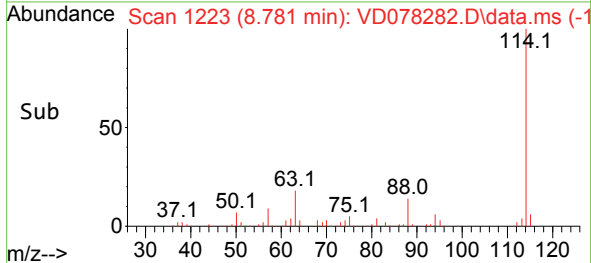
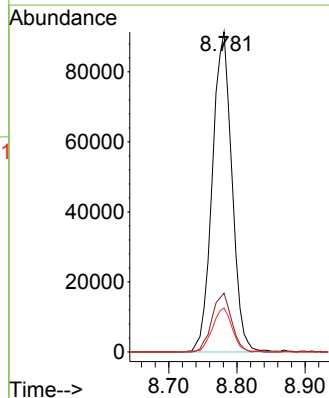
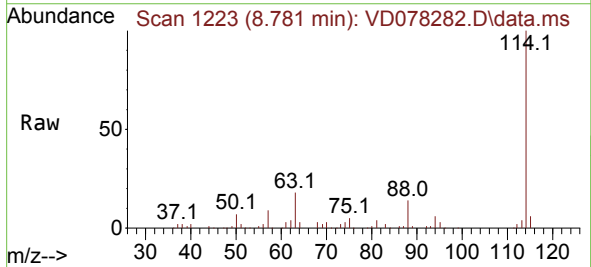
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

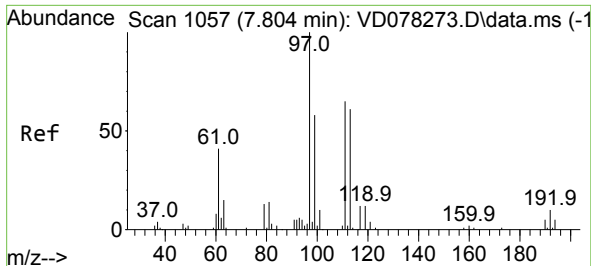
Tgt Ion: 65 Resp: 61872
 Ion Ratio Lower Upper
 65 100
 67 56.0 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.781 min Scan# 1223
 Delta R.T. 0.000 min
 Lab File: VD078282.D
 Acq: 30 Jan 2024 16:48

Tgt Ion: 114 Resp: 183032
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 33.4
 88 13.7 0.0 26.2

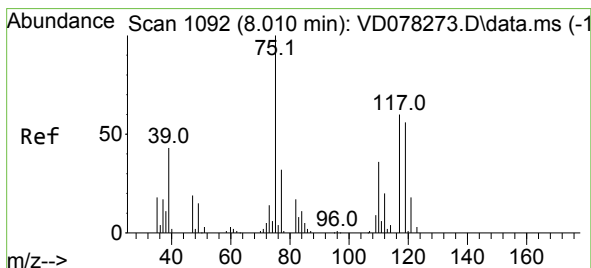
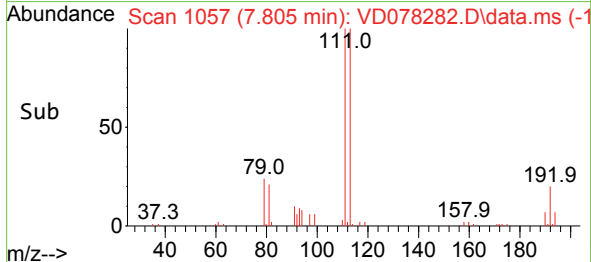
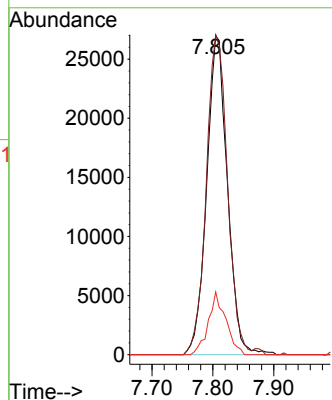
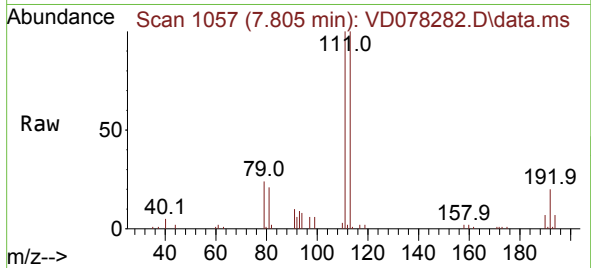




#35
Dibromofluoromethane
Concen: 49.061 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

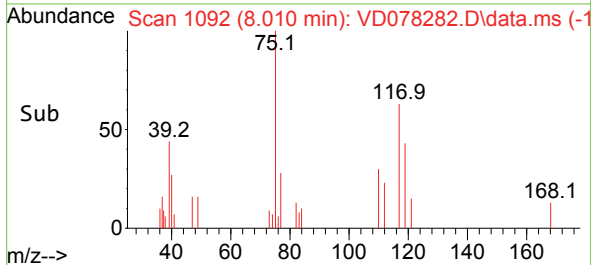
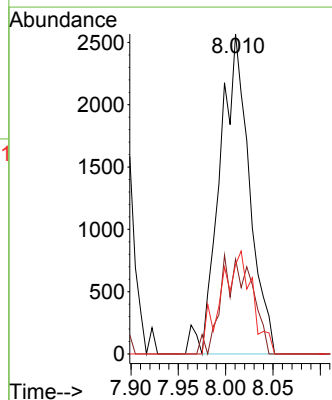
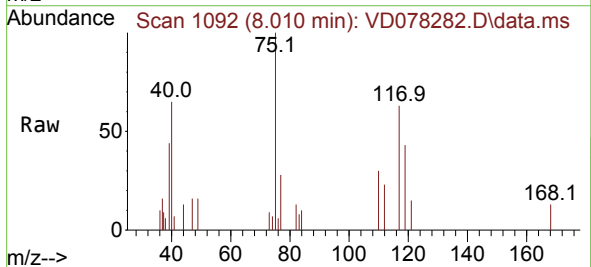
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

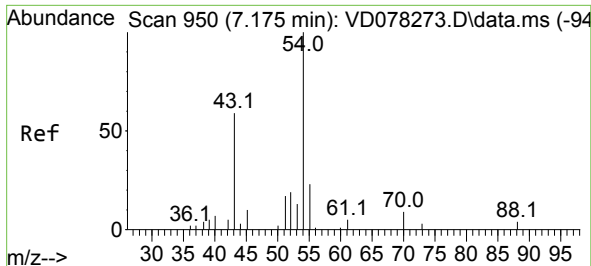
Tgt Ion:113 Resp: 63929
Ion Ratio Lower Upper
113 100
111 102.2 84.7 127.1
192 16.6 16.8 25.2#



#36
1,1-Dichloropropene
Concen: 2.601 ug/l
RT: 8.010 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 75 Resp: 5620
Ion Ratio Lower Upper
75 100
110 31.8 19.9 59.6
77 33.6 24.7 37.1





#37

Ethyl Acetate

Concen: 3.475 ug/l

RT: 7.169 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD078282.D

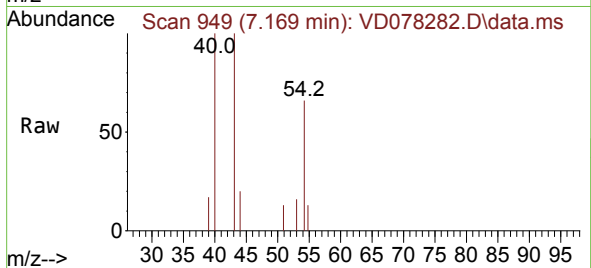
Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024



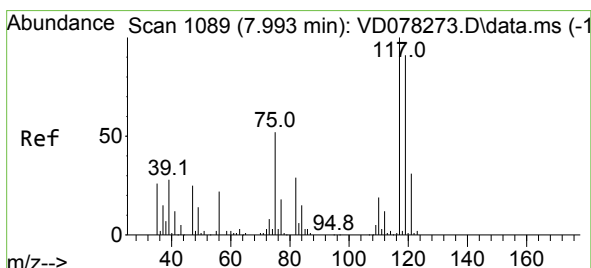
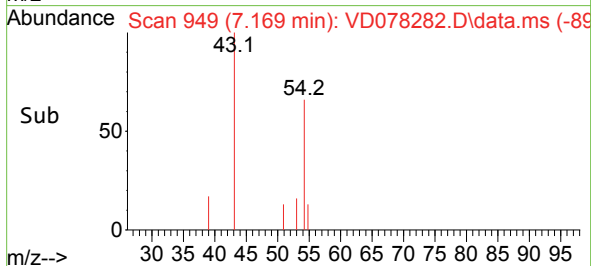
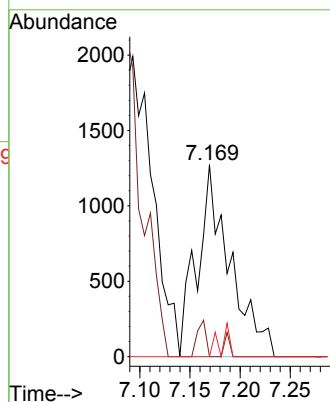
Tgt Ion: 43 Resp: 2890

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

70 2.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 2.636 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

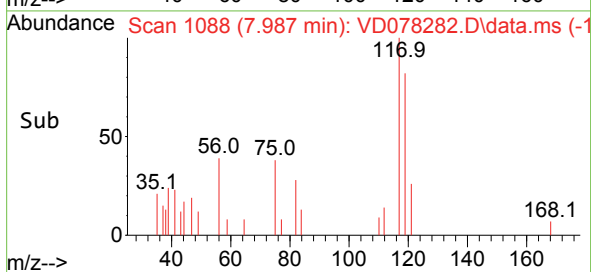
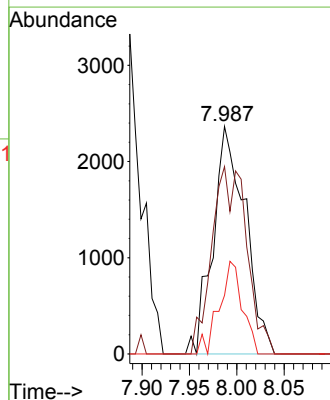
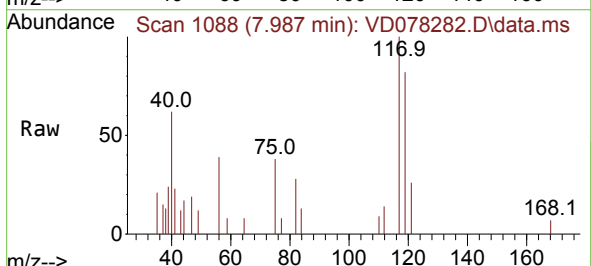
Tgt Ion: 117 Resp: 5601

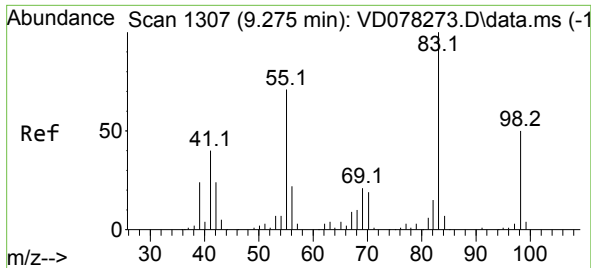
Ion Ratio Lower Upper

117 100

119 82.4 78.0 117.0

121 25.8 24.2 36.2





#39

Methylcyclohexane

Concen: 2.537 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. -0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

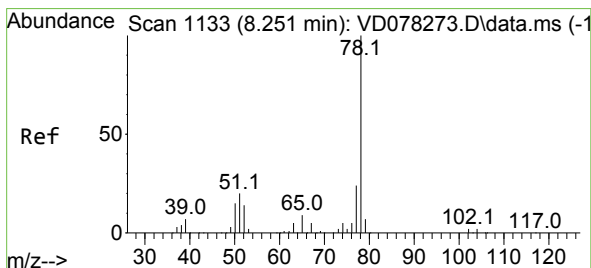
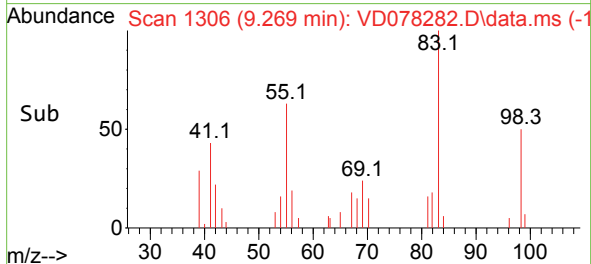
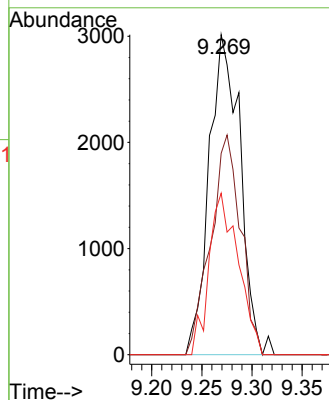
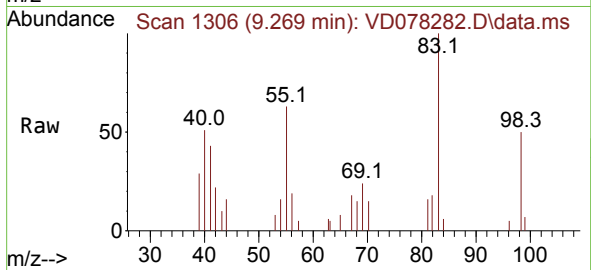
Tgt Ion: 83 Resp: 6482

Ion Ratio Lower Upper

83 100

55 62.9 49.4 74.0

98 50.5 38.4 57.6



#40

Benzene

Concen: 2.556 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VD078282.D

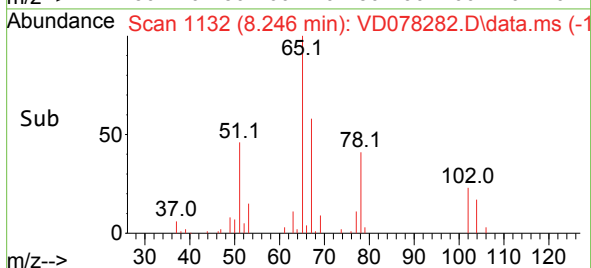
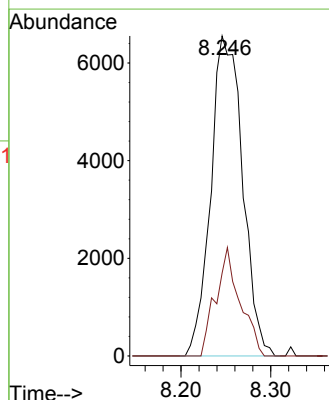
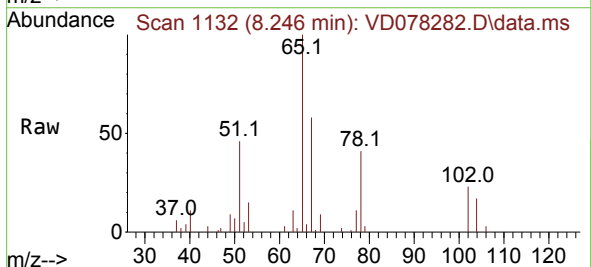
Acq: 30 Jan 2024 16:48

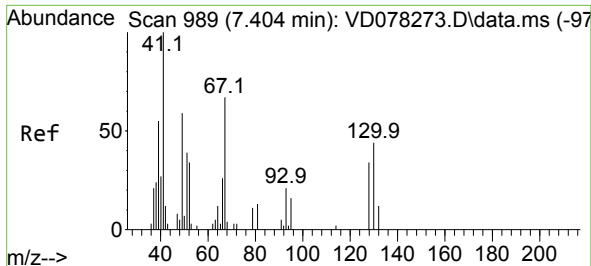
Tgt Ion: 78 Resp: 16118

Ion Ratio Lower Upper

78 100

77 25.9 19.4 29.0

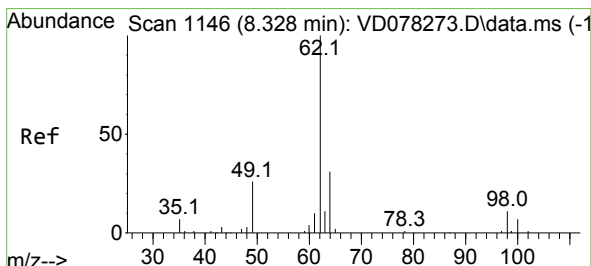
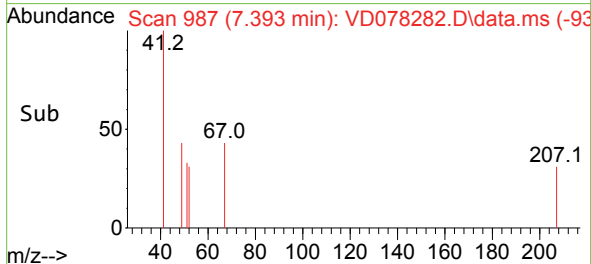
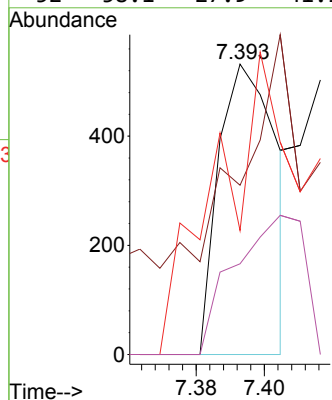
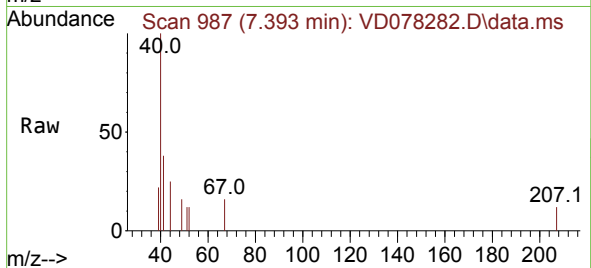




#41
Methacrylonitrile
Concen: 1.402 ug/l
RT: 7.393 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

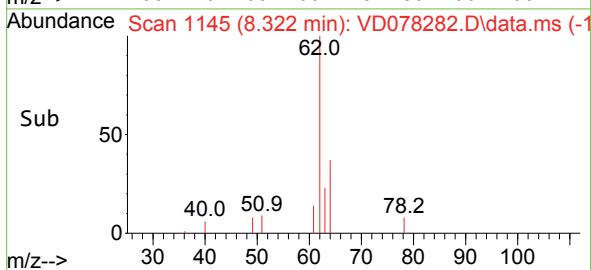
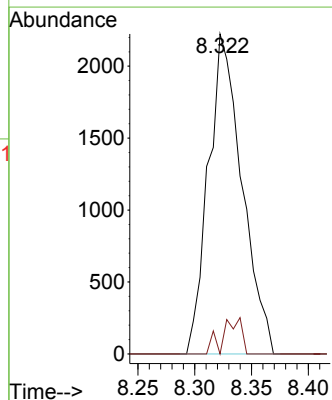
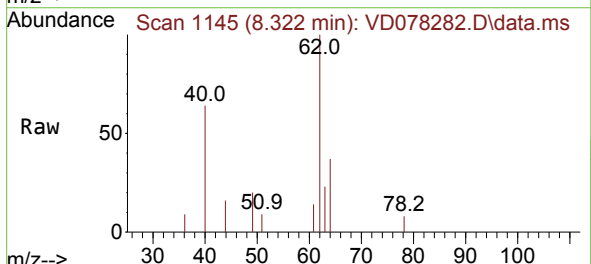
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

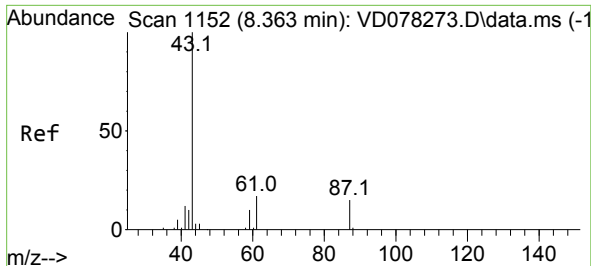
Tgt Ion:	41	Resp:	627
Ion	Ratio	Lower	Upper
41	100		
39	180.5	34.0	51.0#
67	162.0	77.0	115.4#
52	58.1	27.9	41.9#



#42
1,2-Dichloroethane
Concen: 2.797 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:	62	Resp:	4574
Ion	Ratio	Lower	Upper
62	100		
98	6.4	0.0	25.4

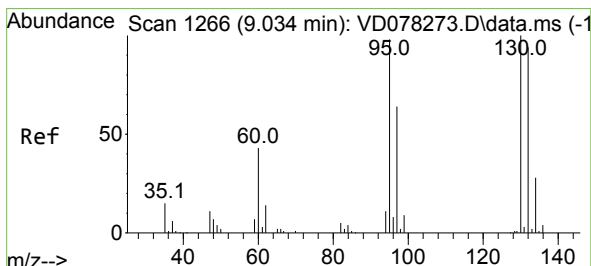
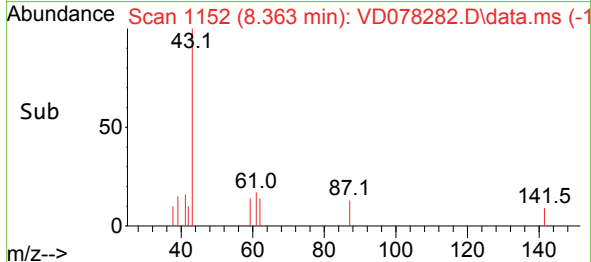
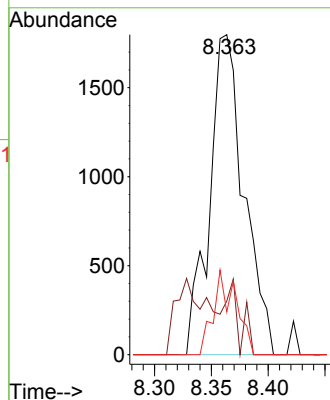
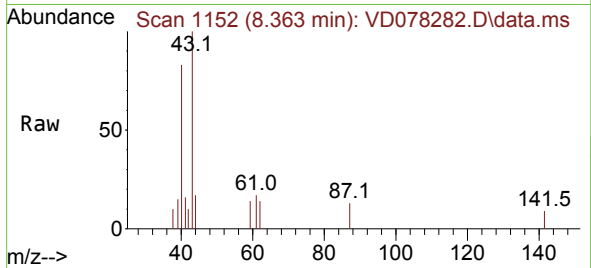




#43
Isopropyl Acetate
Concen: 2.548 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

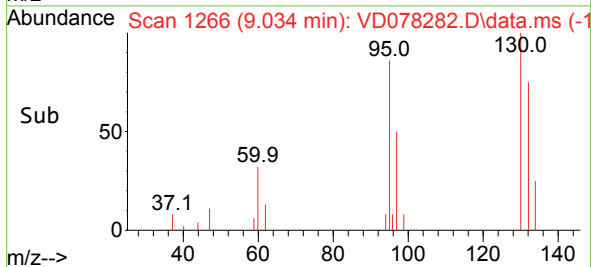
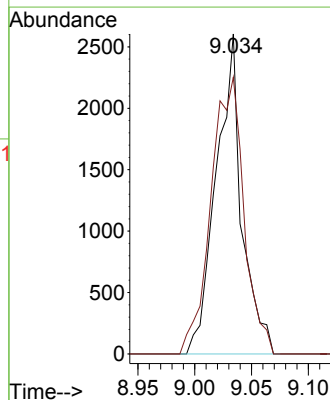
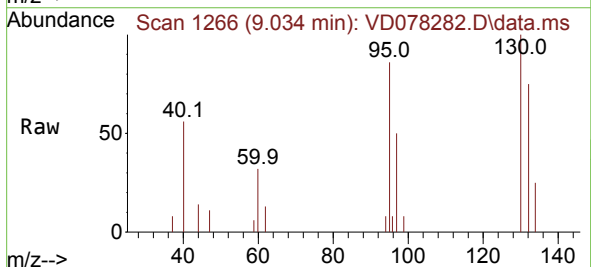
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

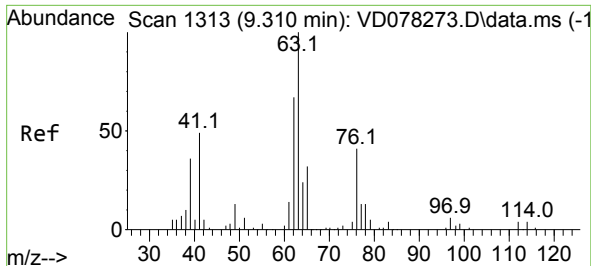
Tgt Ion: 43 Resp: 3799
Ion Ratio Lower Upper
43 100
61 0.0 31.4 47.0#
87 17.2 14.9 22.3



#44
Trichloroethene
Concen: 2.633 ug/l
RT: 9.034 min Scan# 1266
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:130 Resp: 4076
Ion Ratio Lower Upper
130 100
95 86.4 0.0 179.2





#45

1,2-Dichloropropane

Concen: 2.710 ug/l

RT: 9.305 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

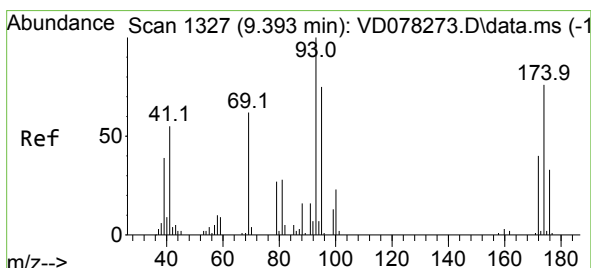
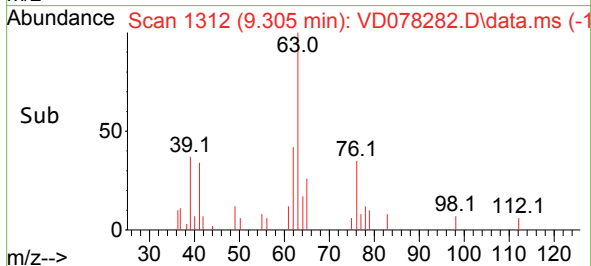
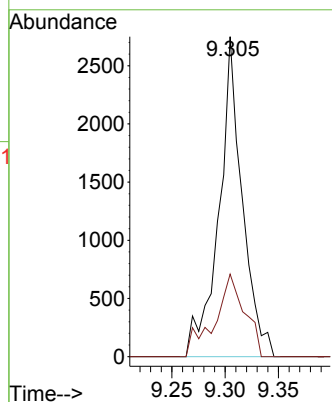
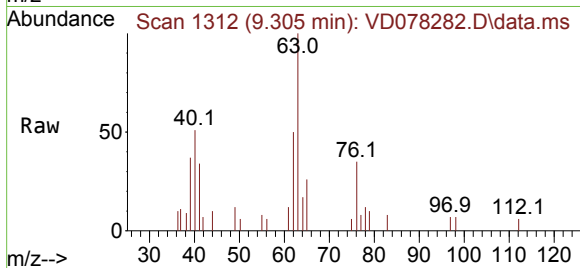
MDL-SOIL-03-QT1-2024

Tgt Ion: 63 Resp: 4178

Ion Ratio Lower Upper

63 100

65 25.8 24.5 36.7



#46

Dibromomethane

Concen: 2.225 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

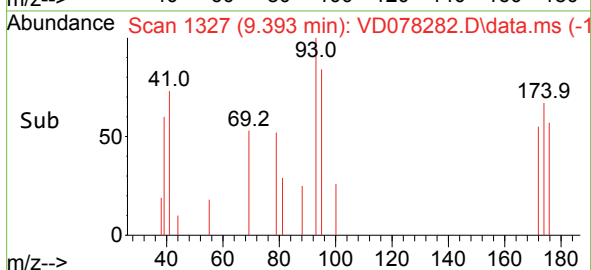
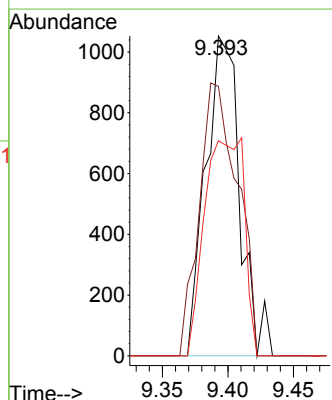
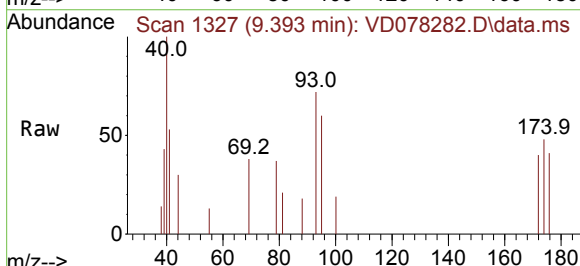
Tgt Ion: 93 Resp: 1903

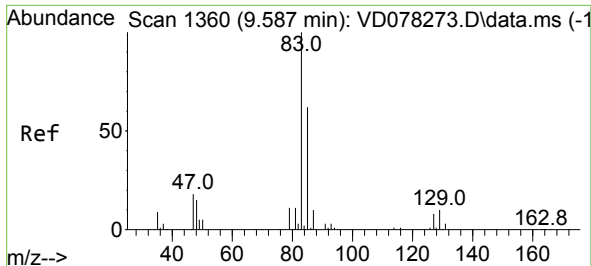
Ion Ratio Lower Upper

93 100

95 96.3 67.7 101.5

174 0.0 85.4 128.2#

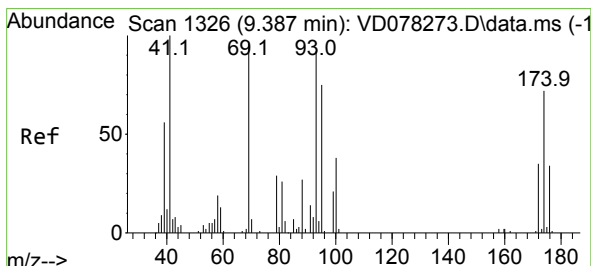
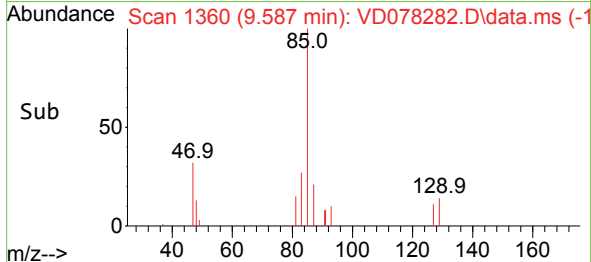
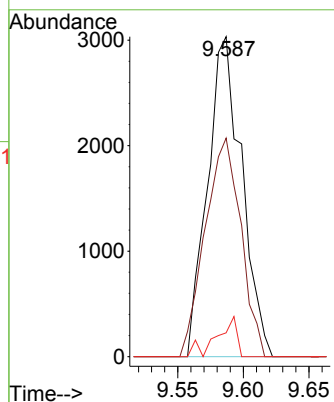
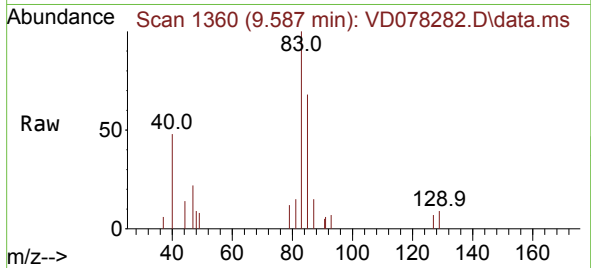




#47
Bromodichloromethane
Concen: 2.614 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

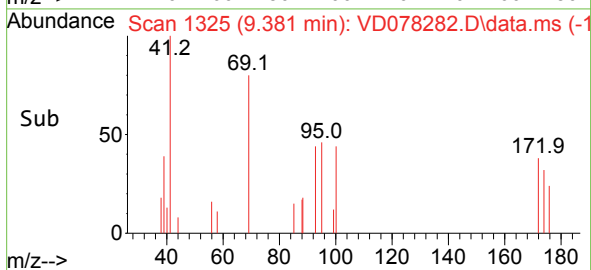
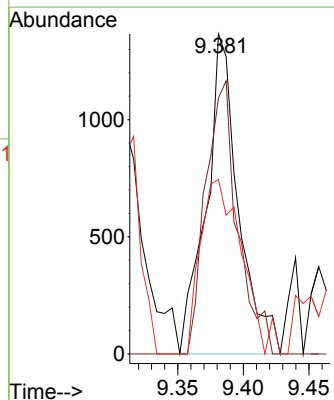
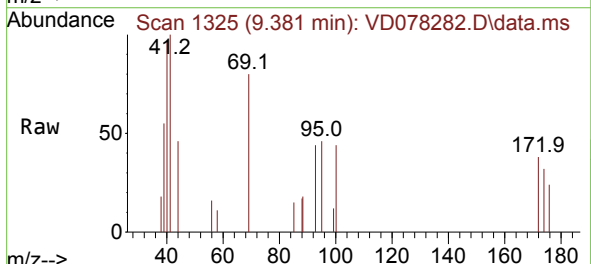
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

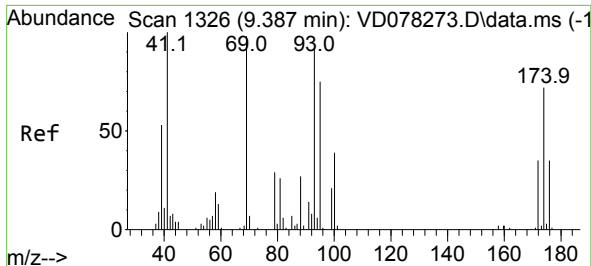
Tgt Ion:	83	Resp:	5500
Ion	Ratio	Lower	Upper
83	100		
85	68.3	50.2	75.4
127	7.5	6.3	9.5



#48
Methyl methacrylate
Concen: 3.284 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:	41	Resp:	2340
Ion	Ratio	Lower	Upper
41	100		
69	84.4	102.2	153.2#
39	70.3	41.4	62.2#





#49

1,4-Dioxane

Concen: 53.990 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

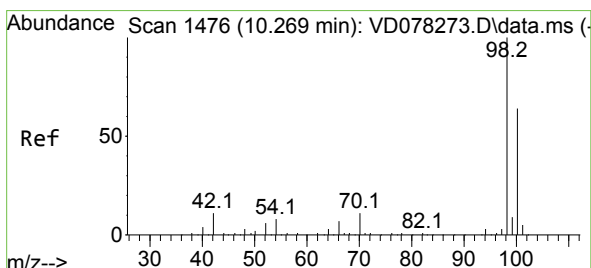
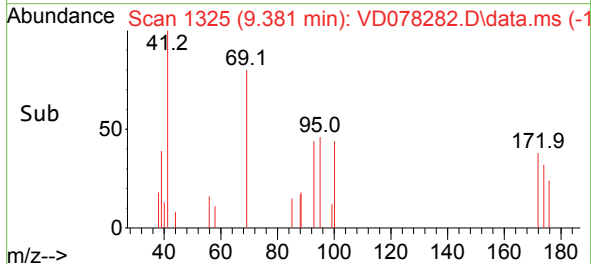
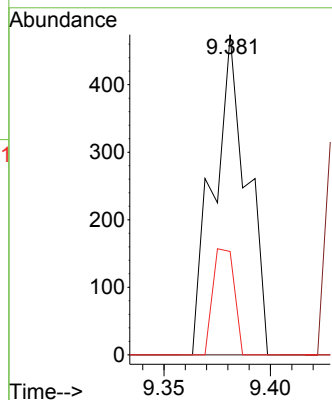
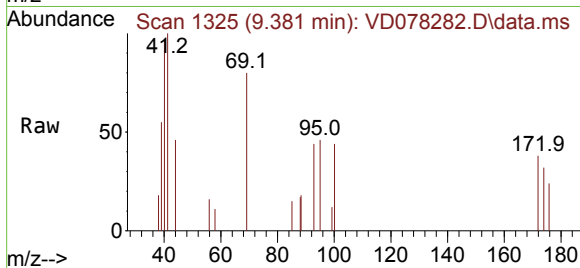
Tgt Ion: 88 Resp: 518

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 21.0 43.5 65.3#



#50

Toluene-d8

Concen: 48.738 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078282.D

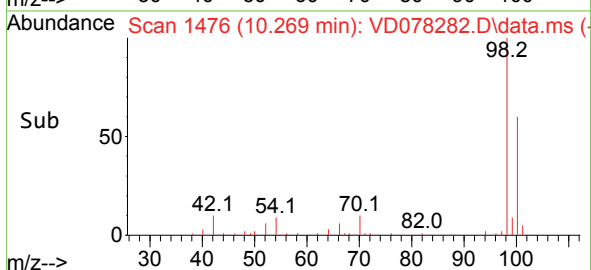
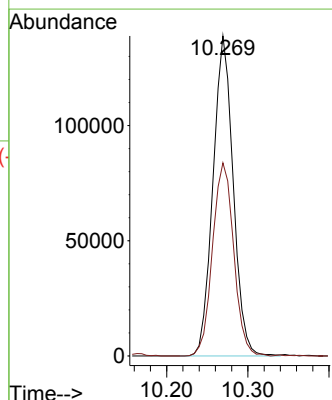
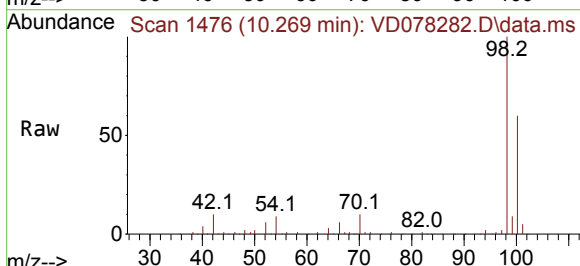
Acq: 30 Jan 2024 16:48

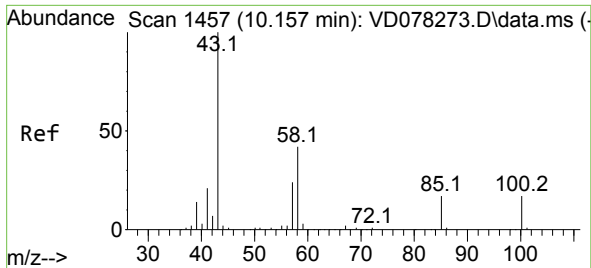
Tgt Ion: 98 Resp: 240445

Ion Ratio Lower Upper

98 100

100 63.2 50.3 75.5

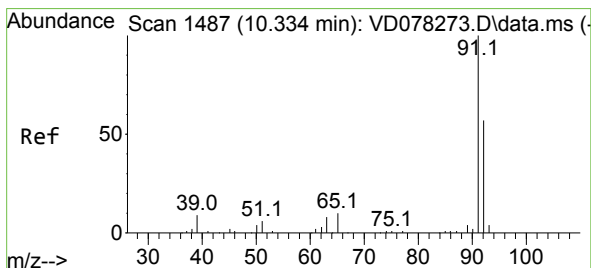
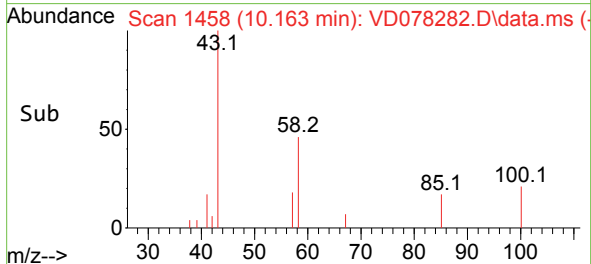
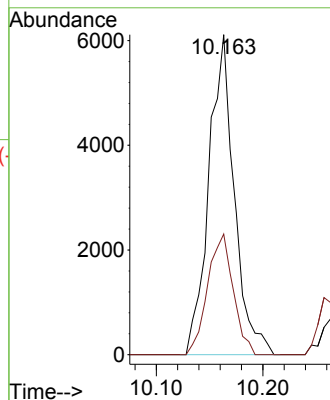
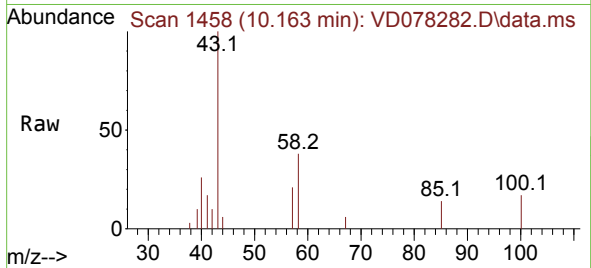




#51
4-Methyl-2-Pentanone
Concen: 12.566 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

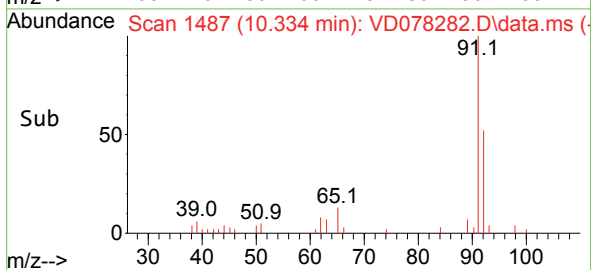
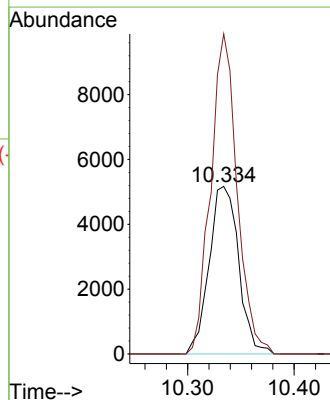
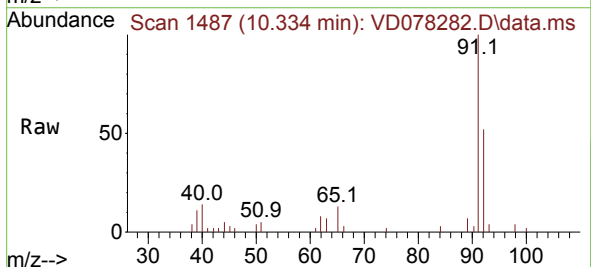
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

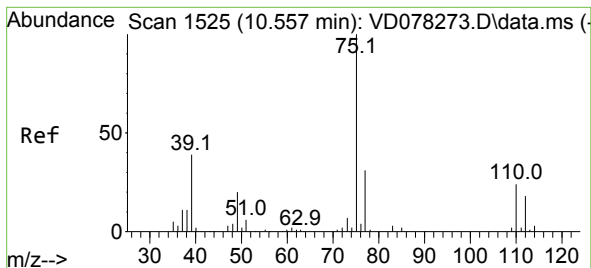
Tgt Ion: 43 Resp: 10136
Ion Ratio Lower Upper
43 100
58 37.8 38.9 58.3#



#52
Toluene
Concen: 2.600 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 92 Resp: 9944
Ion Ratio Lower Upper
92 100
91 171.7 143.0 214.4

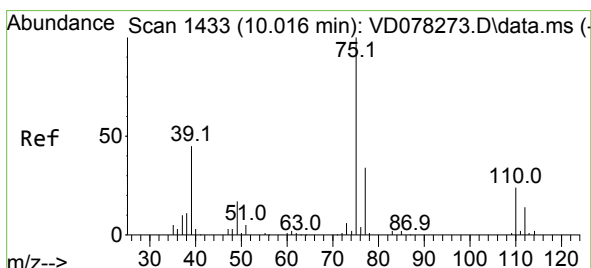
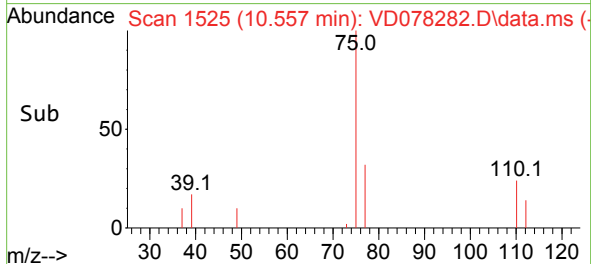
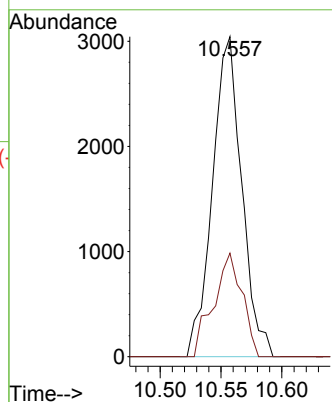
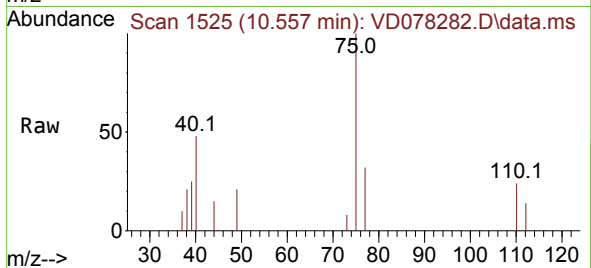




#53
 t-1,3-Dichloropropene
 Concen: 2.591 ug/l
 RT: 10.557 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD078282.D
 Acq: 30 Jan 2024 16:48

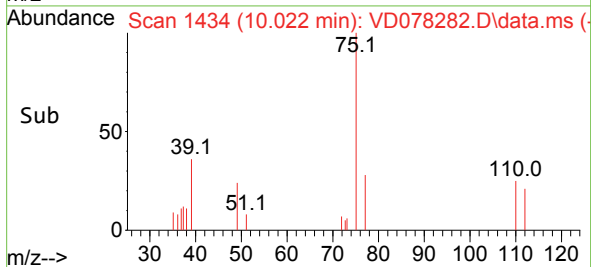
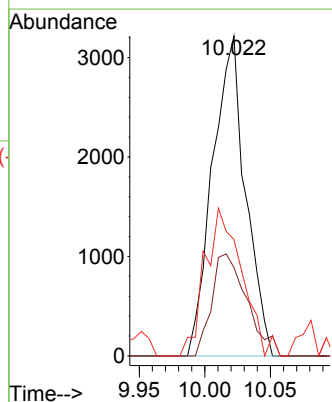
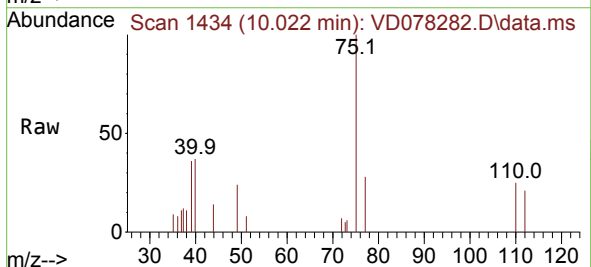
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

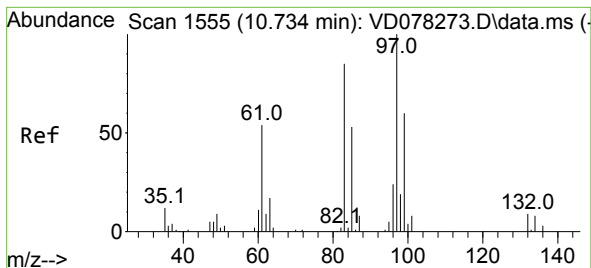
Tgt Ion: 75 Resp: 5093
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 2.420 ug/l
 RT: 10.022 min Scan# 1434
 Delta R.T. 0.006 min
 Lab File: VD078282.D
 Acq: 30 Jan 2024 16:48

Tgt Ion: 75 Resp: 5632
 Ion Ratio Lower Upper
 75 100
 77 27.6 25.5 38.3
 39 36.4 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 3.123 ug/l

RT: 10.728 min Scan# 1555

Delta R.T. -0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 97 Resp: 3486

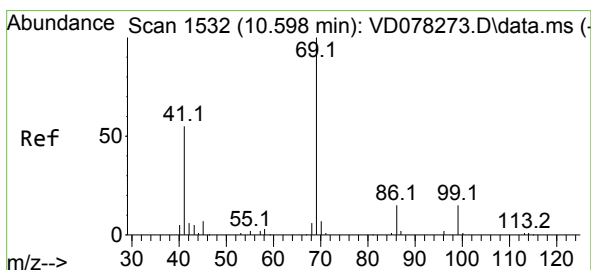
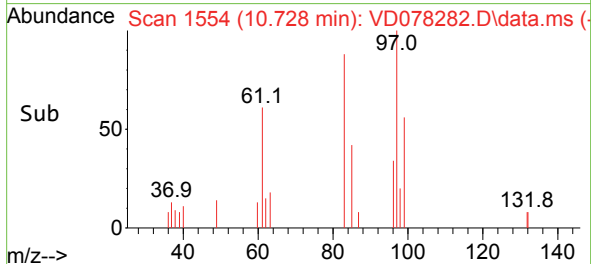
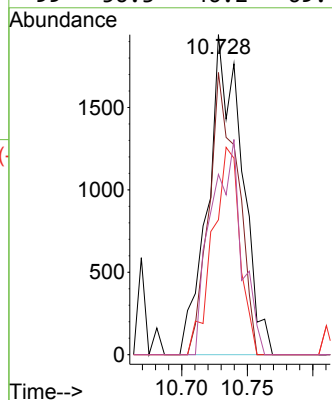
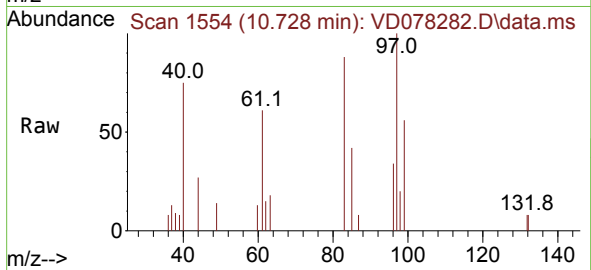
Ion Ratio Lower Upper

97 100

83 88.2 65.8 98.6

85 42.2 45.7 68.5#

99 56.3 46.2 69.4



#56

Ethyl methacrylate

Concen: 1.724 ug/l

RT: 10.604 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

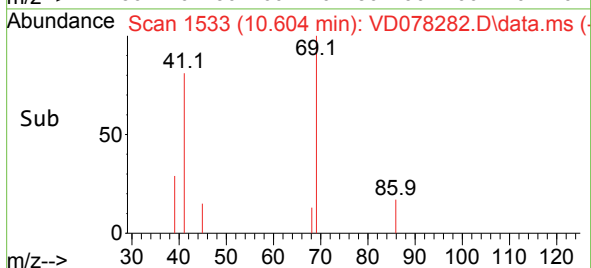
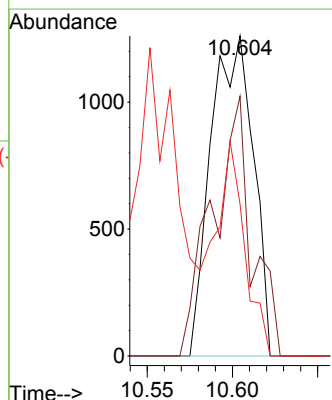
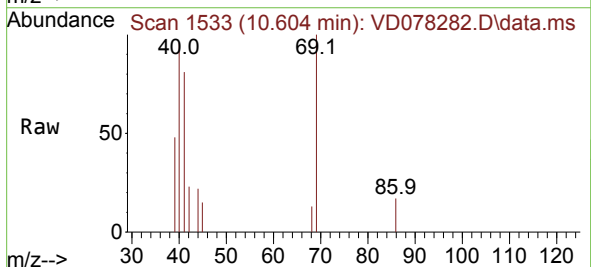
Tgt Ion: 69 Resp: 2182

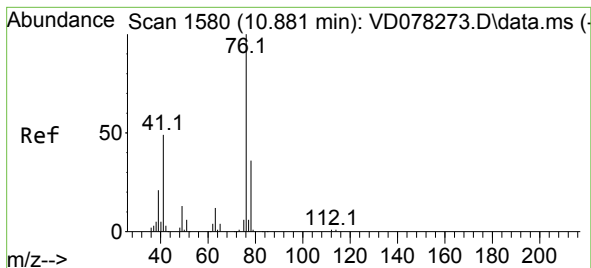
Ion Ratio Lower Upper

69 100

41 75.2 39.1 58.7#

39 45.7 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 2.655 ug/l

RT: 10.887 min Scan# 1580

Delta R.T. 0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

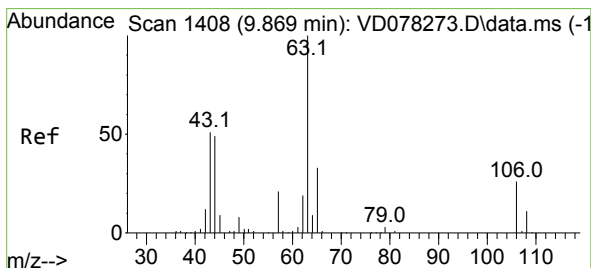
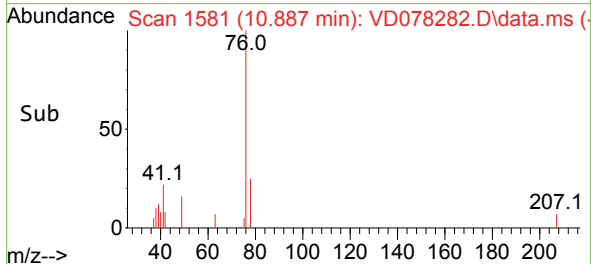
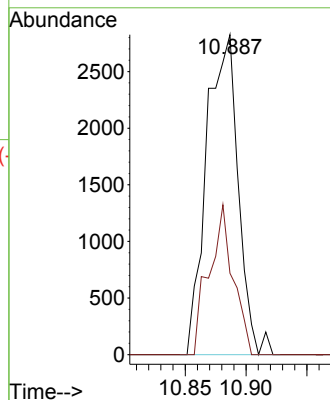
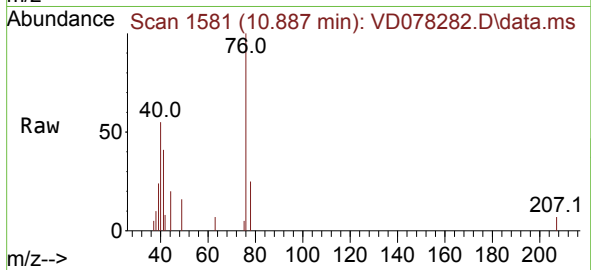
MDL-SOIL-03-QT1-2024

Tgt Ion: 76 Resp: 5110

Ion Ratio Lower Upper

76 100

78 35.7 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 11.841 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078282.D

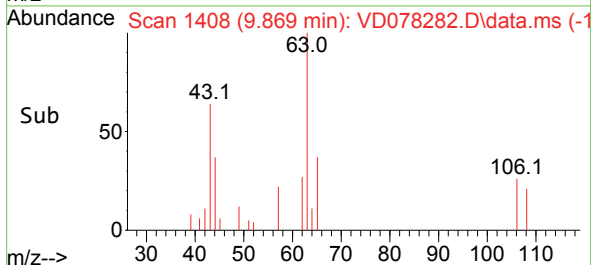
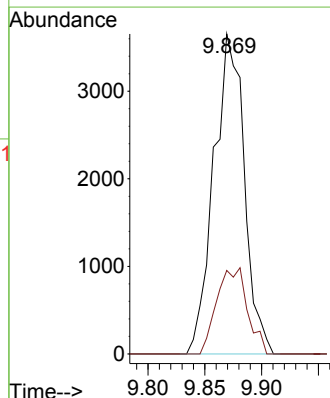
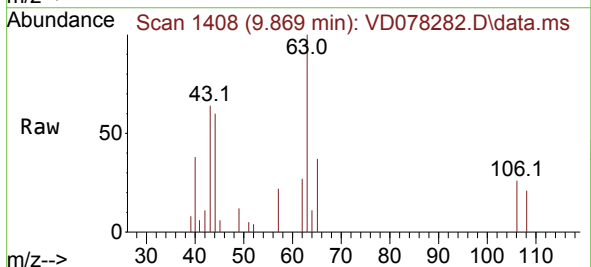
Acq: 30 Jan 2024 16:48

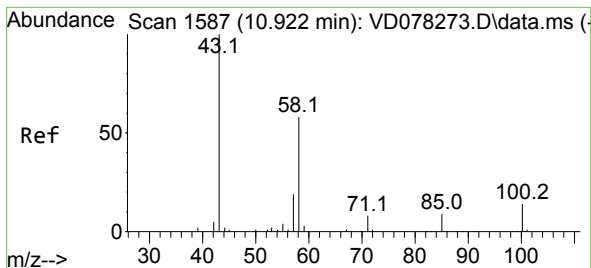
Tgt Ion: 63 Resp: 6817

Ion Ratio Lower Upper

63 100

106 27.0 25.3 37.9





#59

2-Hexanone

Concen: 12.242 ug/l

RT: 10.922 min Scan# 1587

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

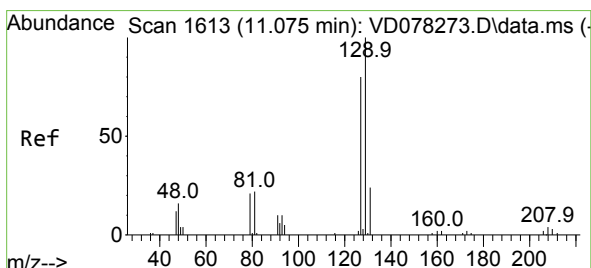
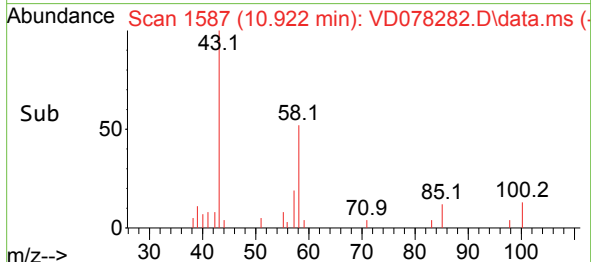
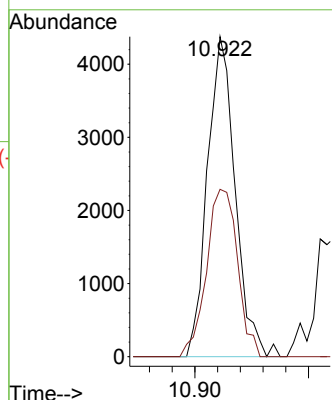
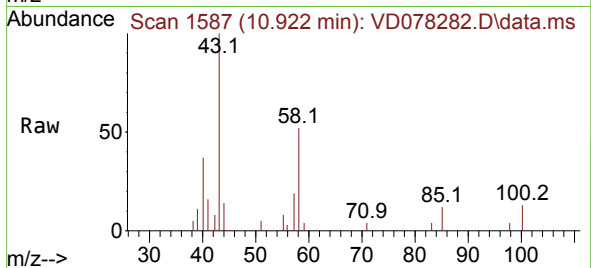
MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 7437

Ion Ratio Lower Upper

43 100

58 58.4 34.1 102.2



#60

Dibromochloromethane

Concen: 2.750 ug/l

RT: 11.069 min Scan# 1612

Delta R.T. -0.006 min

Lab File: VD078282.D

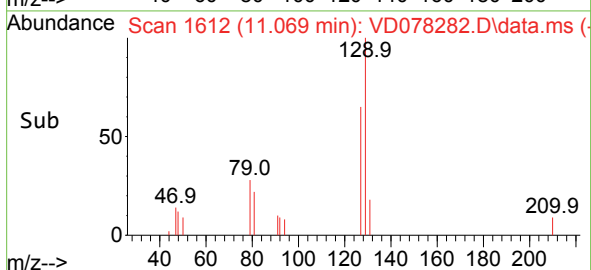
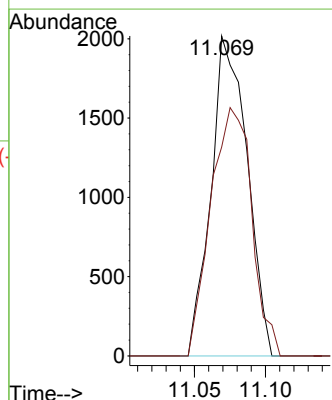
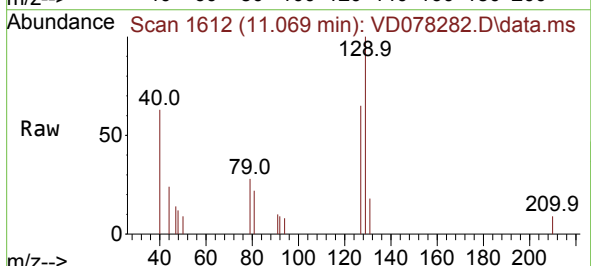
Acq: 30 Jan 2024 16:48

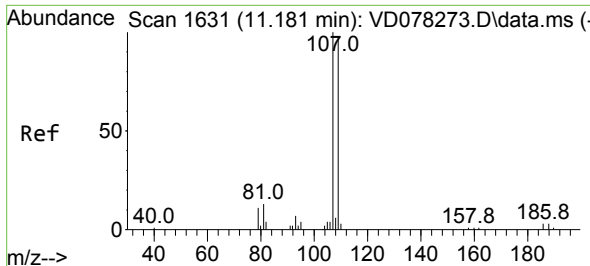
Tgt Ion: 129 Resp: 3563

Ion Ratio Lower Upper

129 100

127 88.2 37.1 111.5

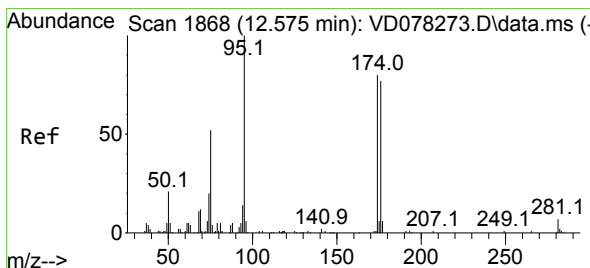
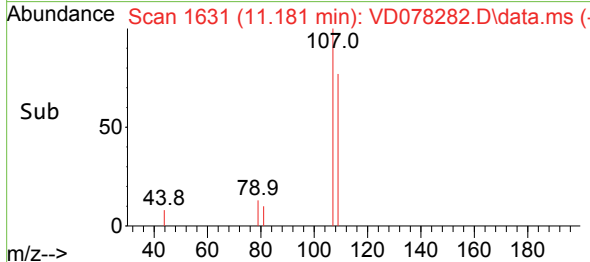
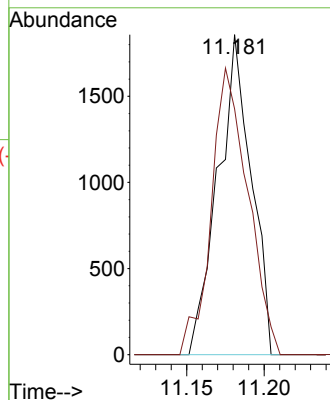
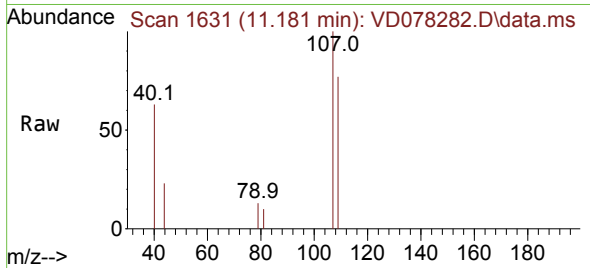




#61
1,2-Dibromoethane
Concen: 2.625 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

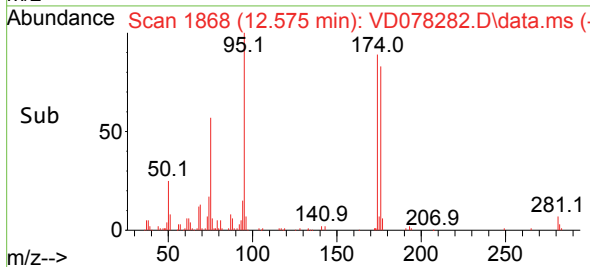
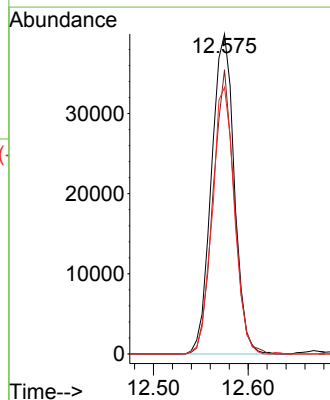
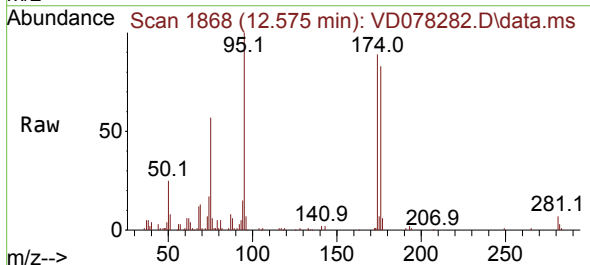
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

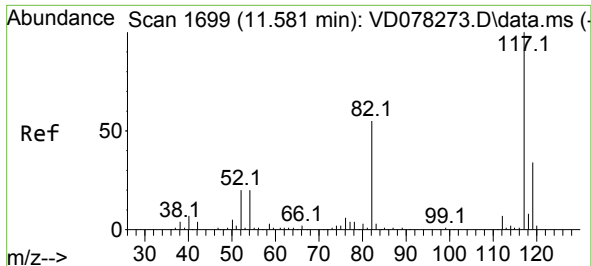
Tgt Ion:107 Resp: 2766
Ion Ratio Lower Upper
107 100
109 98.8 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 45.134 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 95 Resp: 66682
Ion Ratio Lower Upper
95 100
174 82.9 0.0 201.8
176 81.1 0.0 191.8

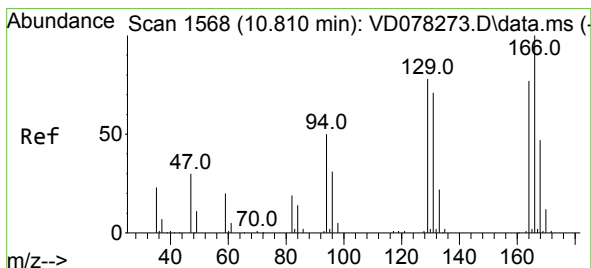
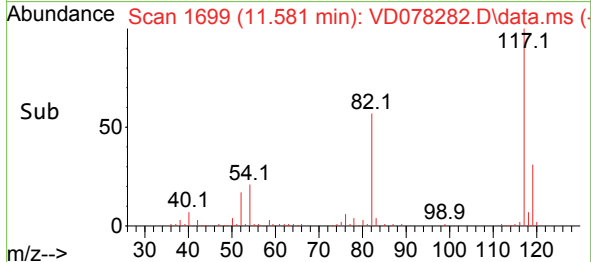
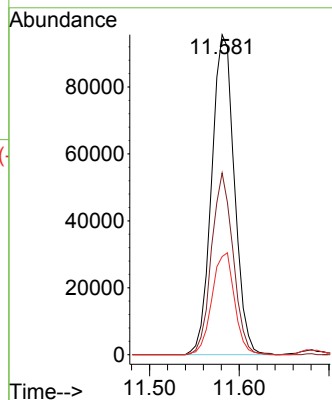
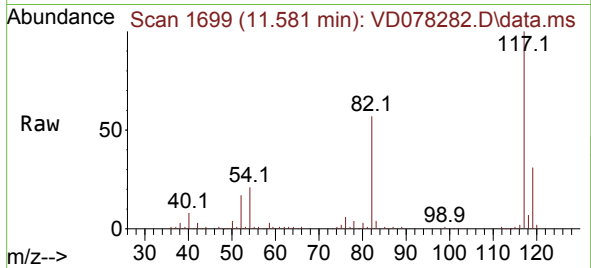




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

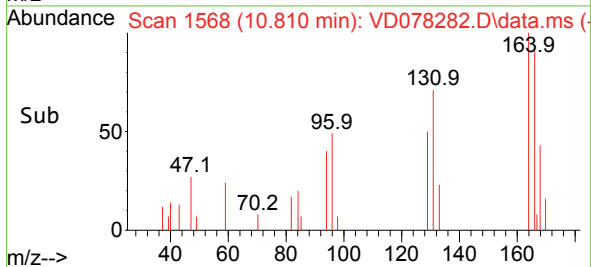
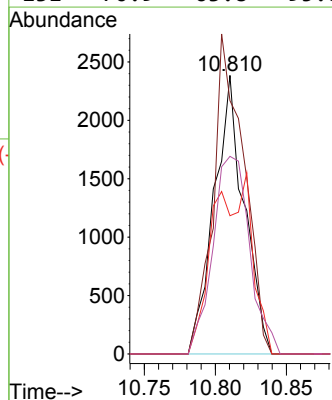
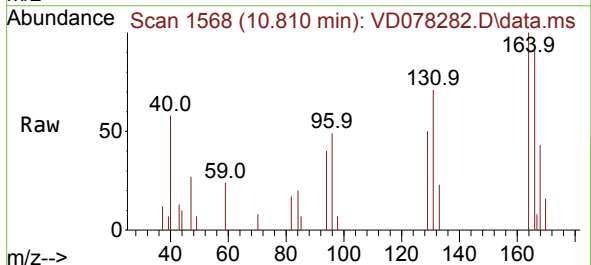
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

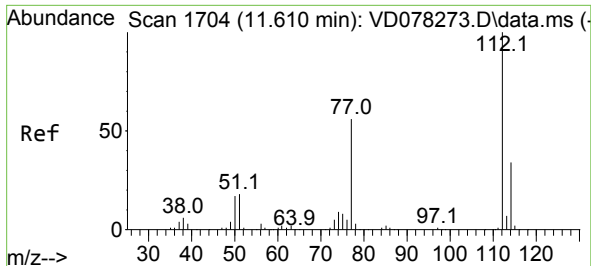
Tgt Ion:117 Resp: 167915
Ion Ratio Lower Upper
117 100
82 56.8 38.3 57.5
119 30.6 25.0 37.4



#64
Tetrachloroethene
Concen: 2.992 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:164 Resp: 3504
Ion Ratio Lower Upper
164 100
166 90.9 99.2 148.8#
129 49.6 68.4 102.6#
131 70.9 63.8 95.8

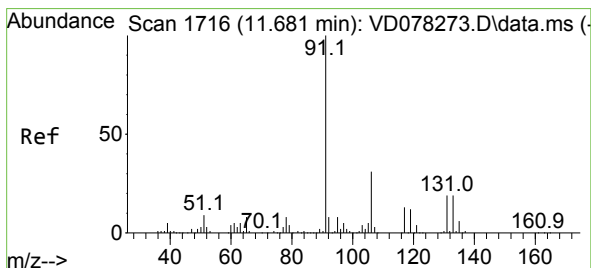
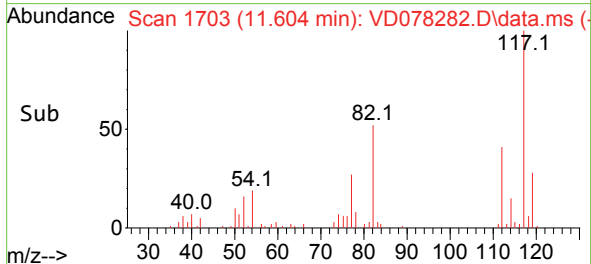
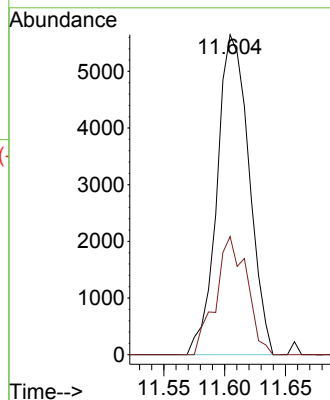
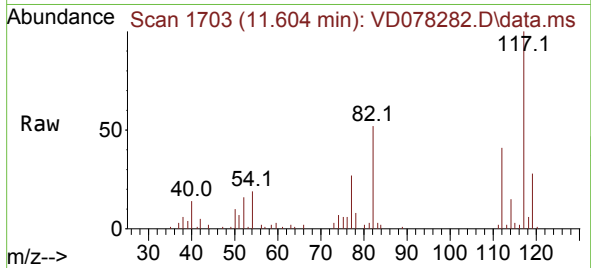




#65
Chlorobenzene
Concen: 2.572 ug/l
RT: 11.604 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

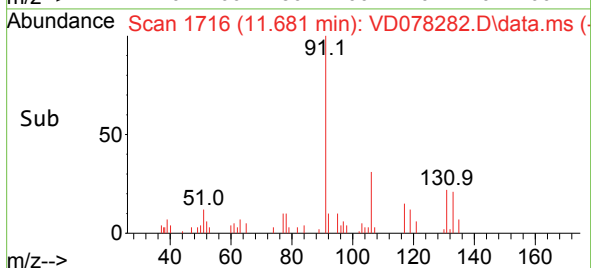
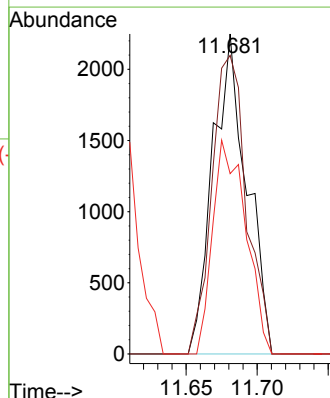
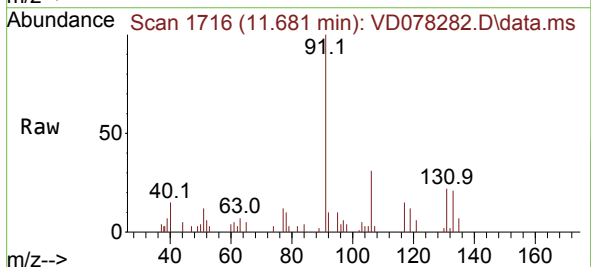
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

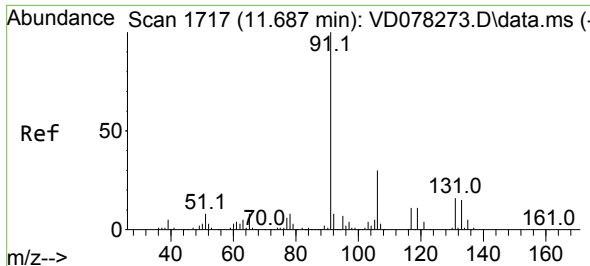
Tgt Ion:112 Resp: 10331
Ion Ratio Lower Upper
112 100
114 36.9 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 2.613 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:131 Resp: 3737
Ion Ratio Lower Upper
131 100
133 95.5 48.5 145.5
119 65.3 35.6 106.9

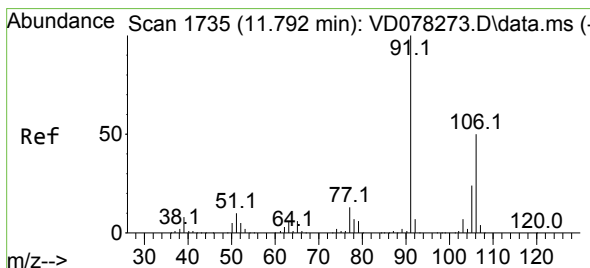
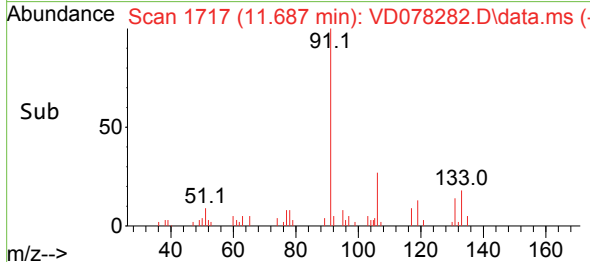
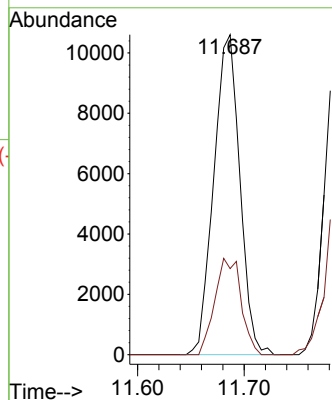
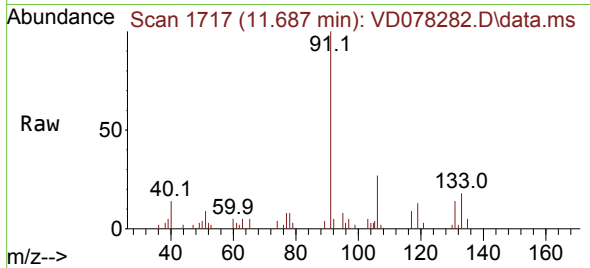




#67
Ethyl Benzene
Concen: 2.472 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

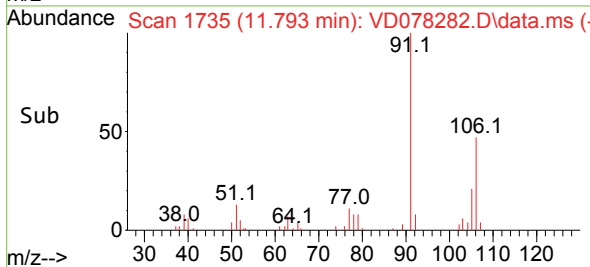
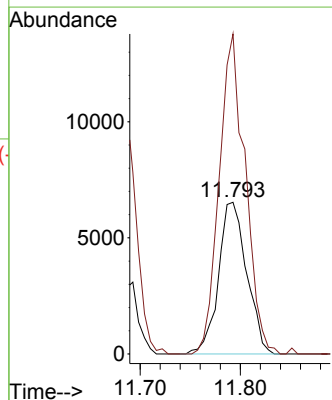
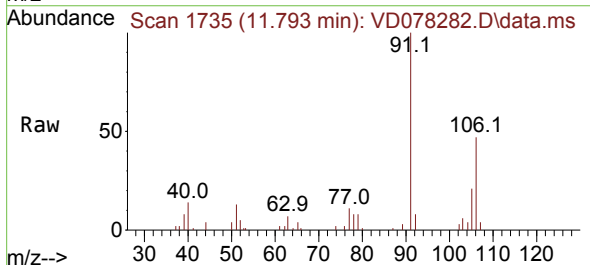
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

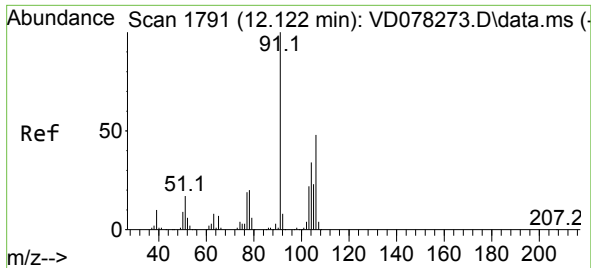
Tgt Ion: 91 Resp: 17991
Ion Ratio Lower Upper
91 100
106 26.9 26.5 39.7



#68
m/p-Xylenes
Concen: 4.566 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 106 Resp: 12782
Ion Ratio Lower Upper
106 100
91 195.0 147.0 220.6

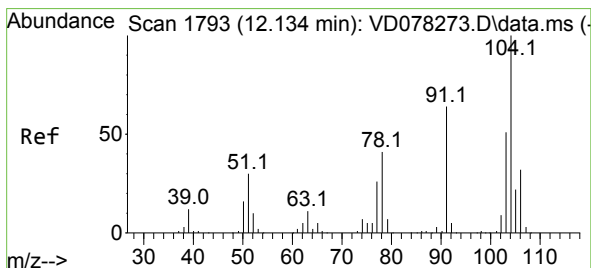
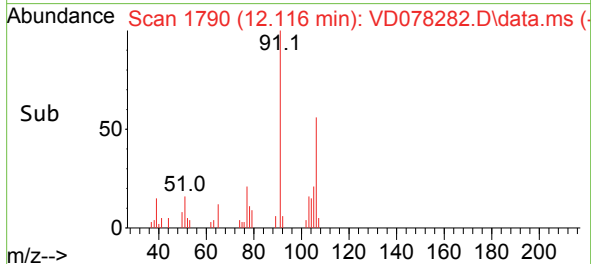
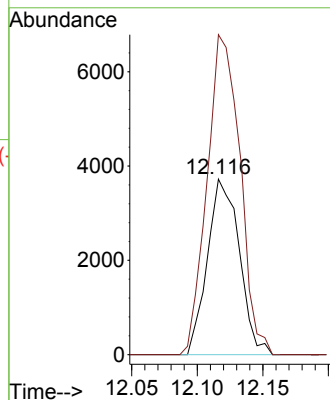
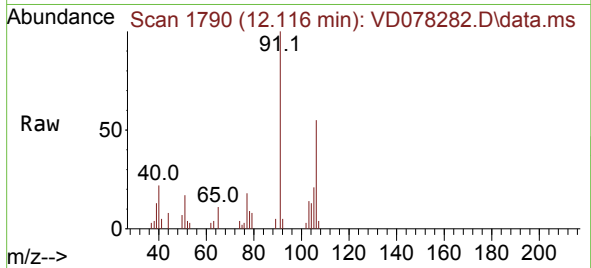




#69
o-Xylene
Concen: 2.447 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

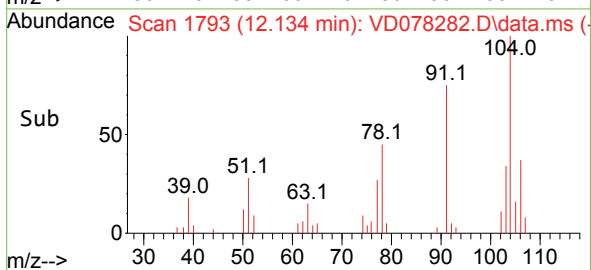
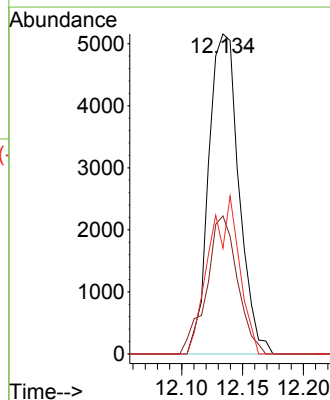
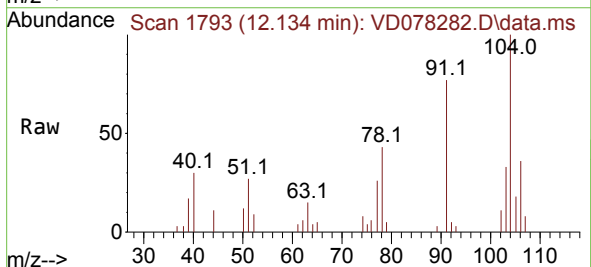
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

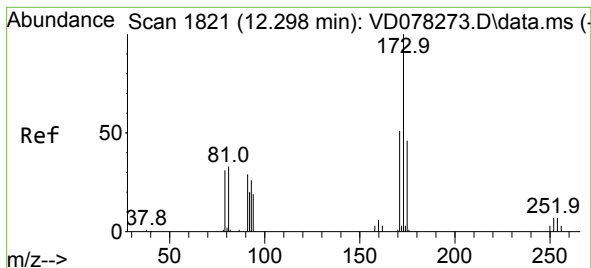
Tgt Ion:106 Resp: 6295
Ion Ratio Lower Upper
106 100
91 188.5 97.9 293.6



#70
Styrene
Concen: 2.027 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:104 Resp: 8908
Ion Ratio Lower Upper
104 100
78 44.1 33.2 49.8
103 49.0 43.6 65.4





#71

Bromoform

Concen: 2.782 ug/l

RT: 12.299 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD078282.D

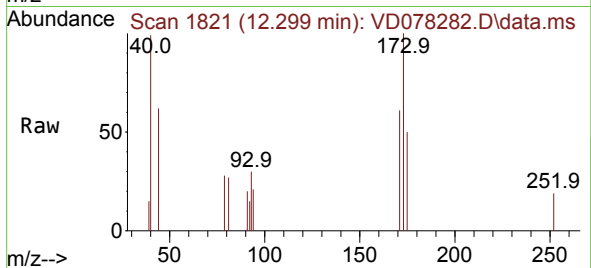
Acq: 30 Jan 2024 16:48

Instrument :

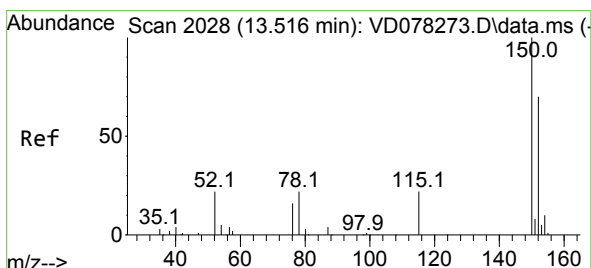
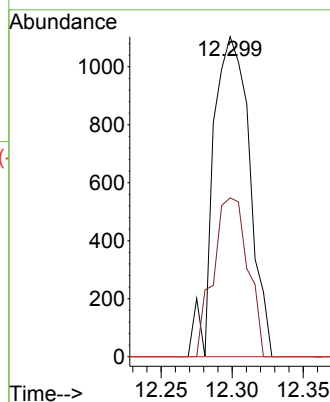
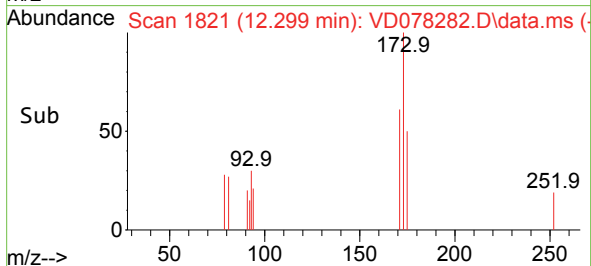
MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024



Tgt Ion:	173	Resp:	1960
Ion Ratio	Lower	Upper	
173	100		
175	47.4	24.6	73.8
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

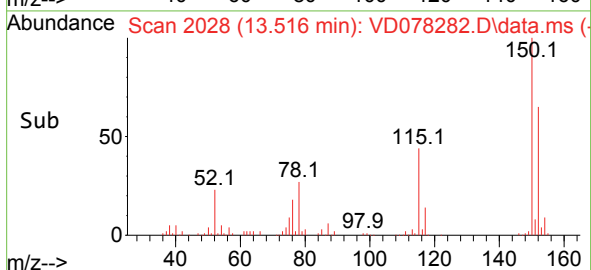
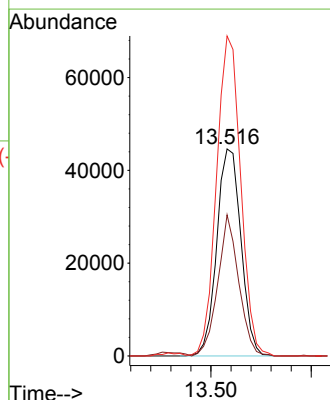
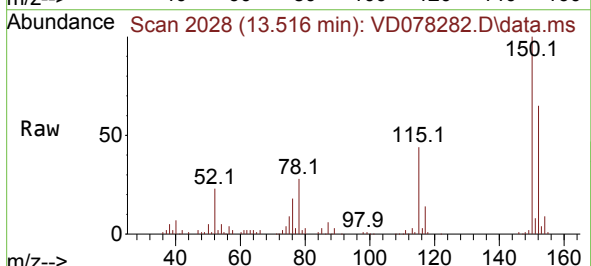
RT: 13.516 min Scan# 2028

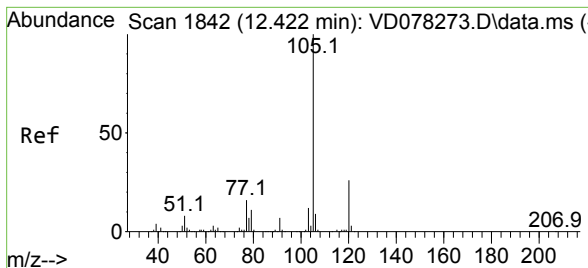
Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Tgt Ion:	152	Resp:	74591
Ion Ratio	Lower	Upper	
152	100		
115	59.2	27.1	81.3
150	154.5	0.0	353.6





#73

Isopropylbenzene

Concen: 2.506 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

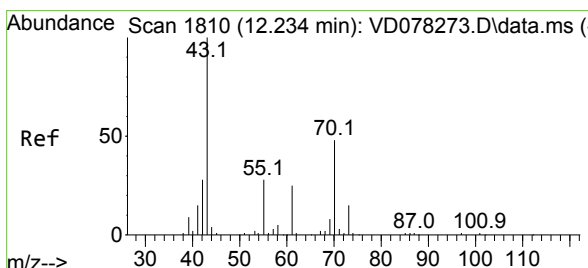
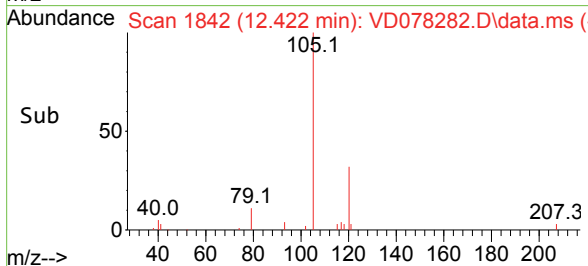
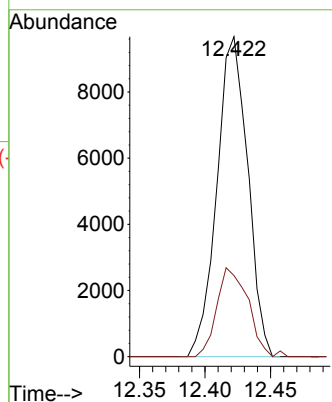
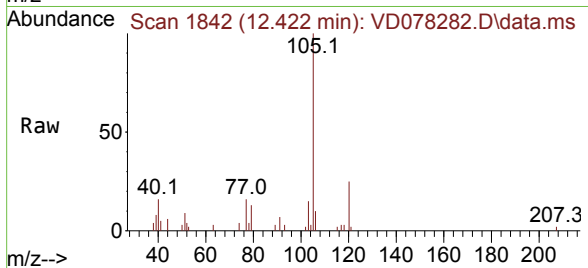
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 15815

Ion Ratio Lower Upper

105 100

120 28.2 14.3 42.9



#74

N-ethyl acetate

Concen: 2.554 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Tgt Ion: 43 Resp: 3334

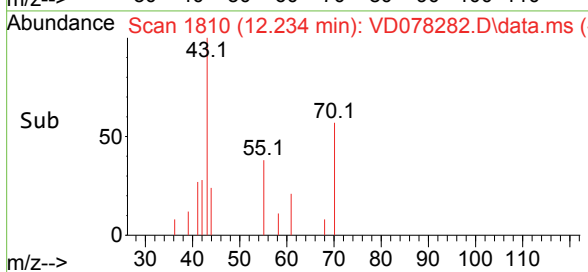
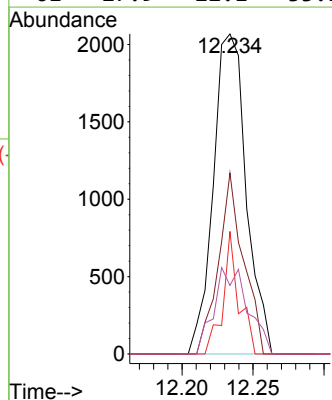
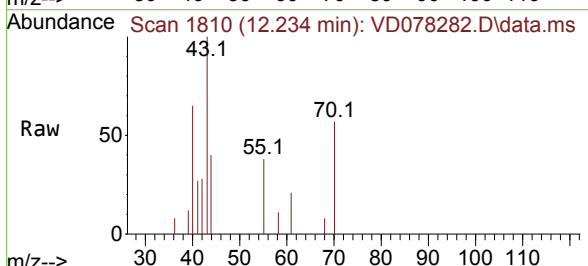
Ion Ratio Lower Upper

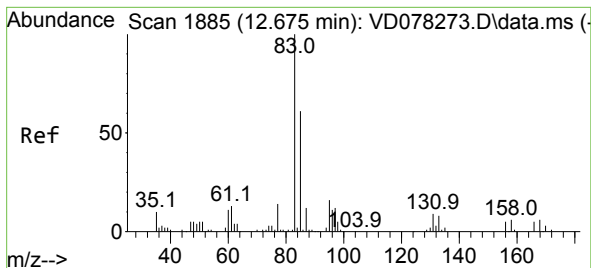
43 100

70 43.0 45.0 67.4#

55 18.3 23.8 35.6#

61 27.9 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.809 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

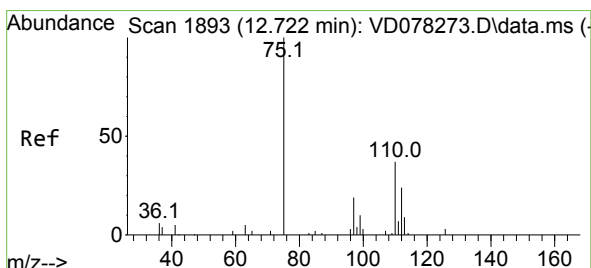
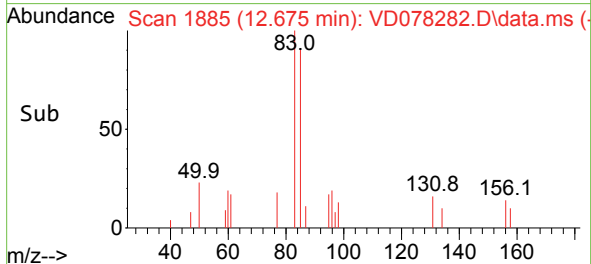
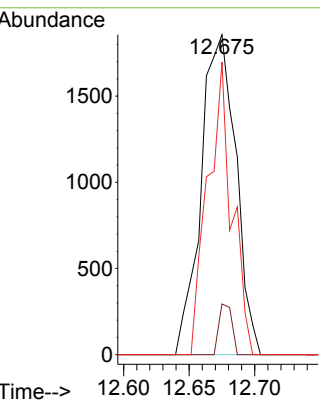
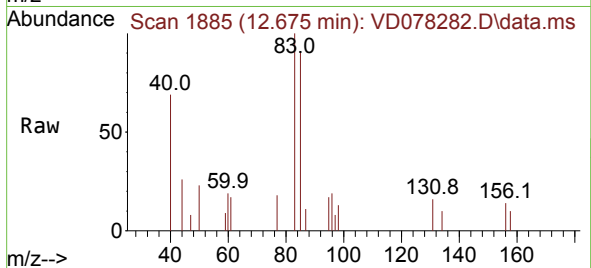
Tgt Ion: 83 Resp: 3423

Ion Ratio Lower Upper

83 100

131 5.8 5.1 15.3

85 63.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 3.762 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VD078282.D

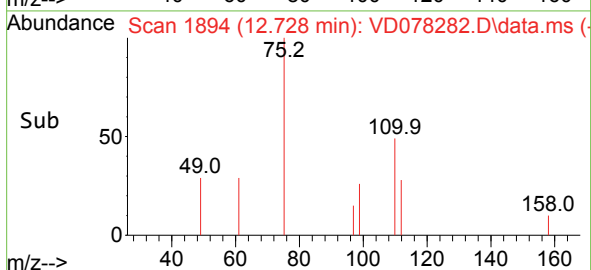
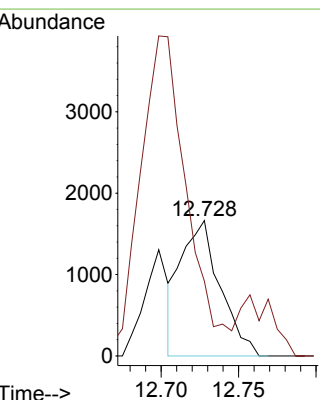
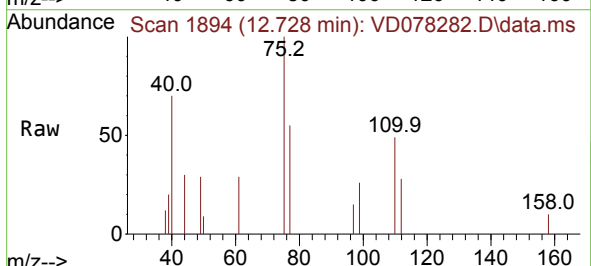
Acq: 30 Jan 2024 16:48

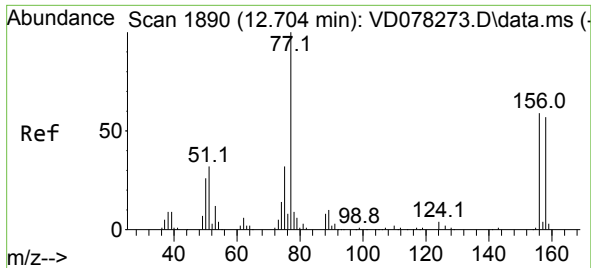
Tgt Ion: 75 Resp: 2933

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

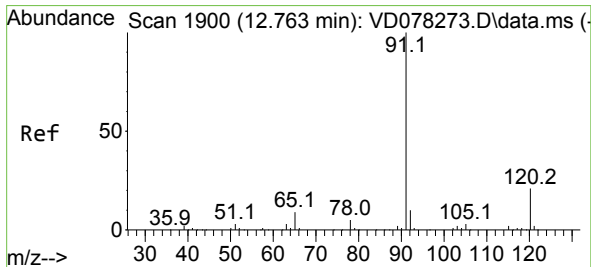
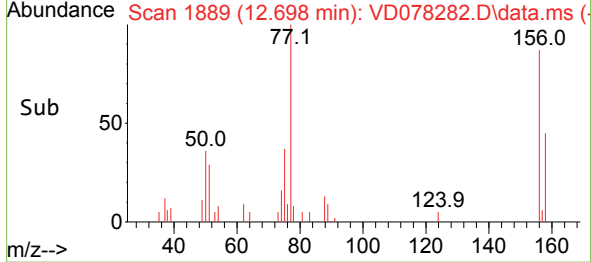
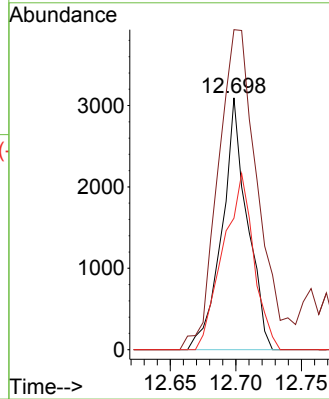
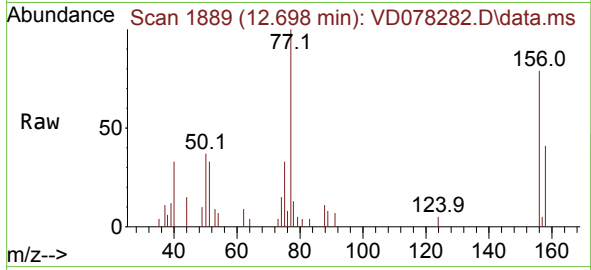




#77
Bromobenzene
Concen: 2.985 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

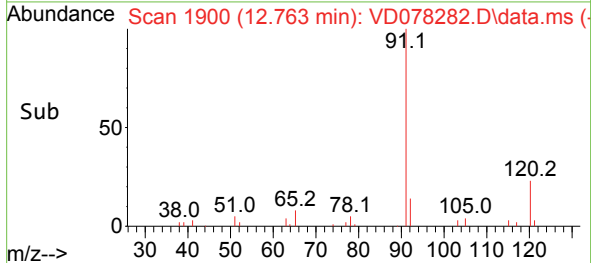
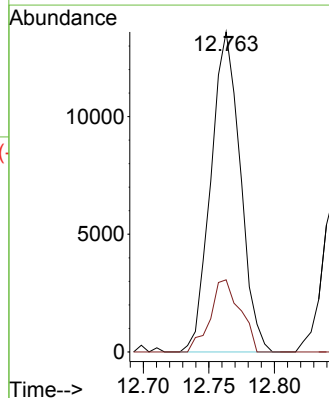
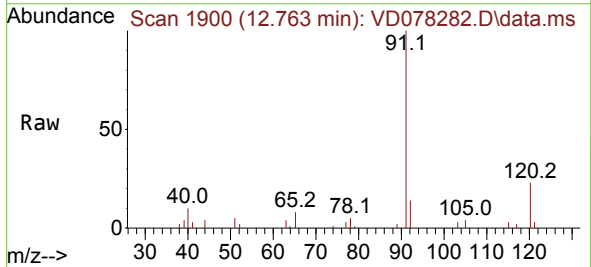
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

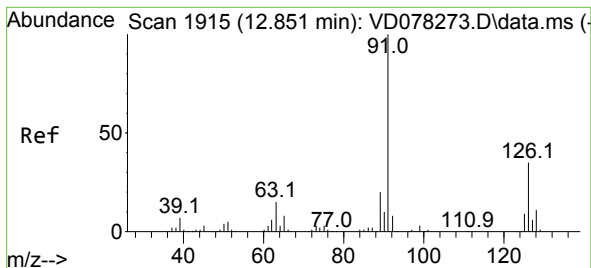
Tgt Ion:156 Resp: 4146
Ion Ratio Lower Upper
156 100
77 200.0 76.8 230.4
158 85.2 48.6 145.9



#78
n-propylbenzene
Concen: 2.698 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 91 Resp: 21214
Ion Ratio Lower Upper
91 100
120 22.9 12.4 37.2





#79

2-Chlorotoluene

Concen: 2.629 ug/l

RT: 12.846 min Scan# 1915

Delta R.T. -0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

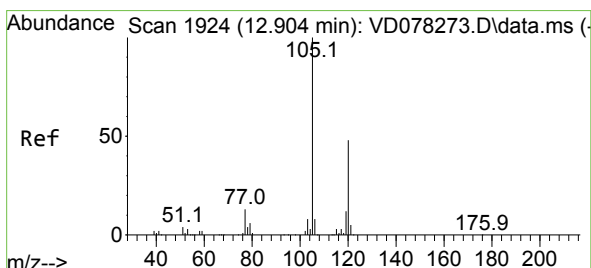
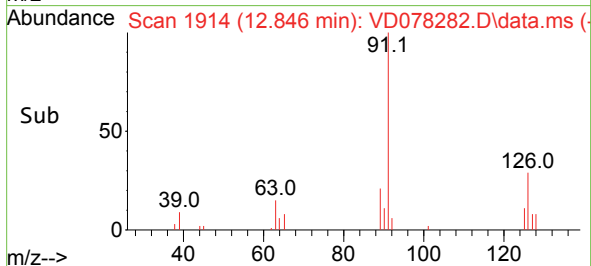
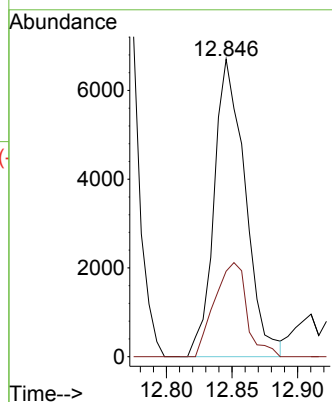
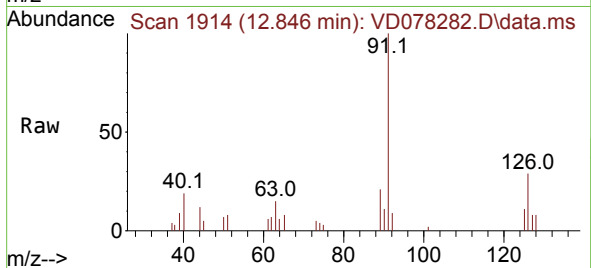
MDL-SOIL-03-QT1-2024

Tgt Ion: 91 Resp: 11066

Ion Ratio Lower Upper

91 100

126 32.8 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 2.597 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD078282.D

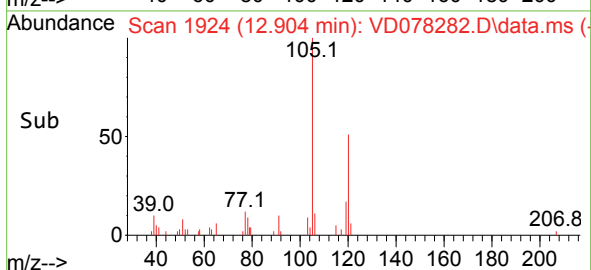
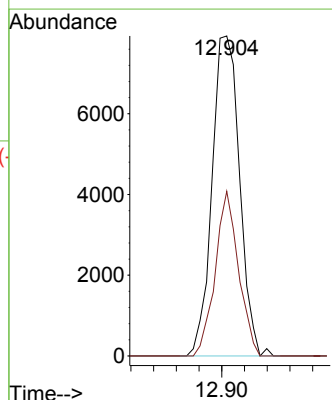
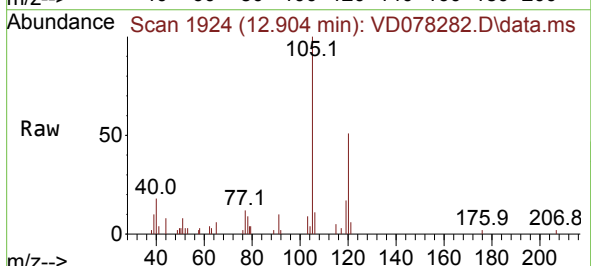
Acq: 30 Jan 2024 16:48

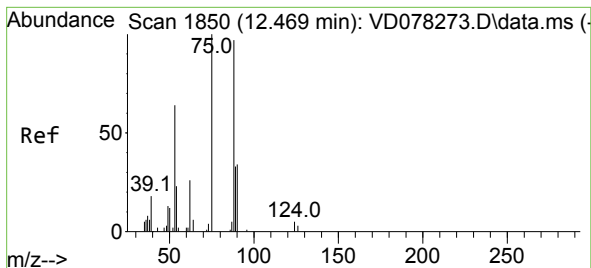
Tgt Ion: 105 Resp: 13334

Ion Ratio Lower Upper

105 100

120 43.5 26.4 79.2





#81

trans-1,4-Dichloro-2-butene

Concen: 94.196 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078282.D

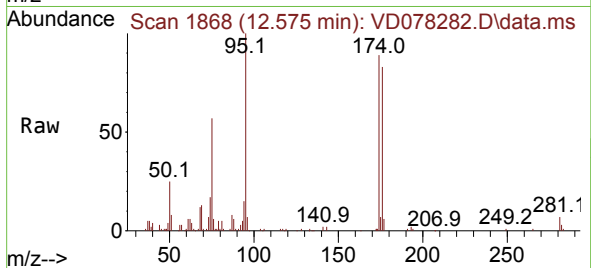
Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024



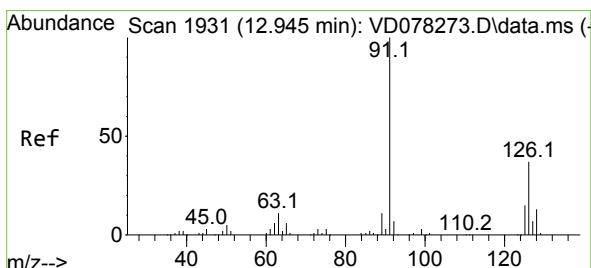
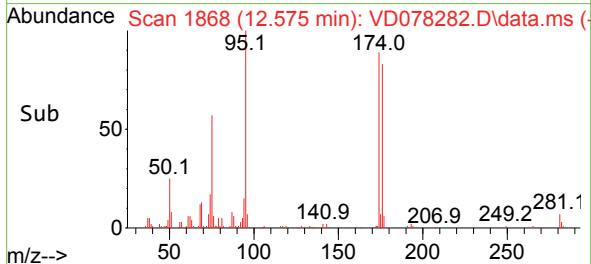
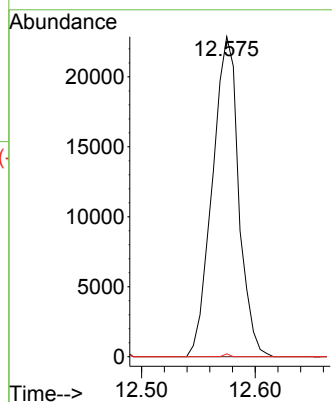
Tgt Ion: 75 Resp: 36925

Ion Ratio Lower Upper

75 100

53 0.0 63.0 94.4#

89 0.2 37.9 56.9#



#82

4-Chlorotoluene

Concen: 2.612 ug/l

RT: 12.951 min Scan# 1932

Delta R.T. 0.006 min

Lab File: VD078282.D

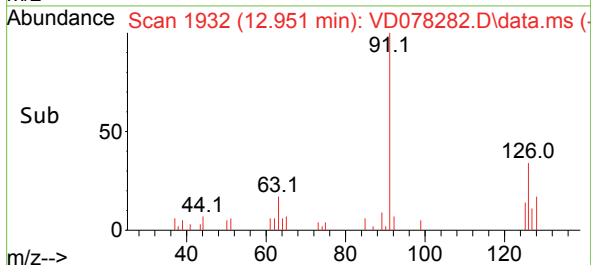
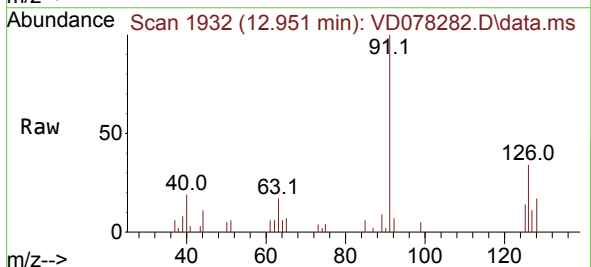
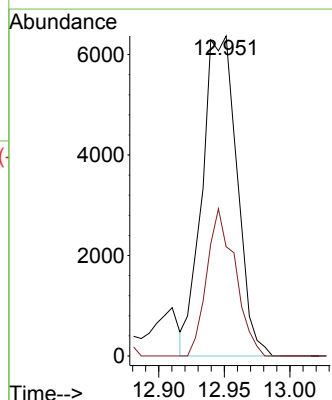
Acq: 30 Jan 2024 16:48

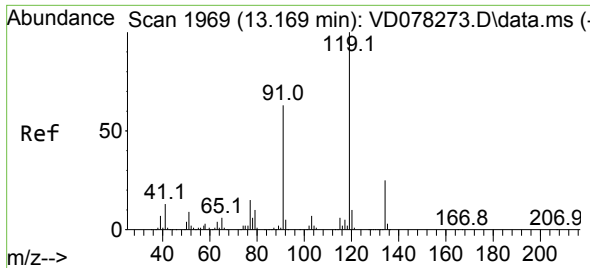
Tgt Ion: 91 Resp: 11720

Ion Ratio Lower Upper

91 100

126 37.7 19.4 58.4

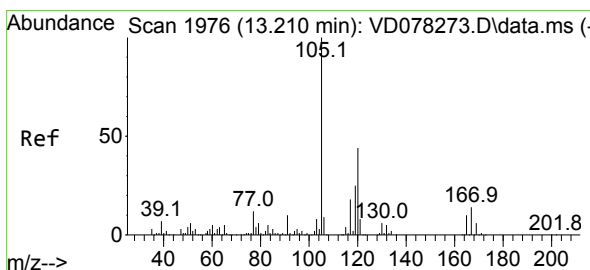
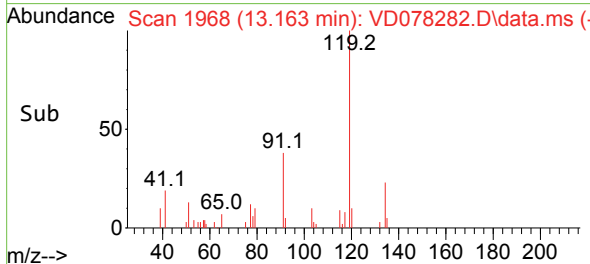
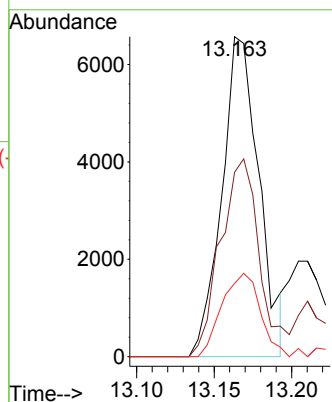
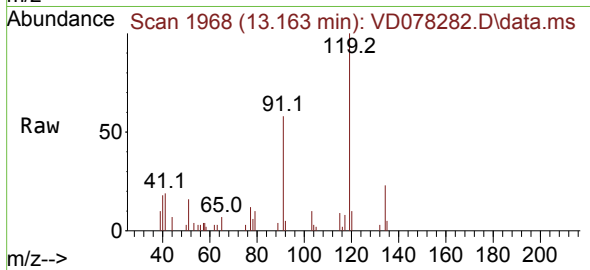




#83
tert-Butylbenzene
Concen: 2.508 ug/l
RT: 13.163 min Scan# 1969
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

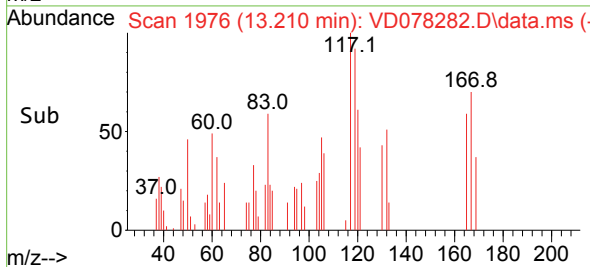
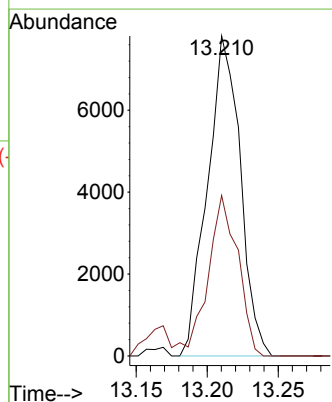
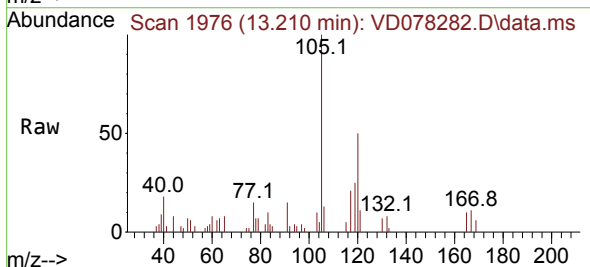
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

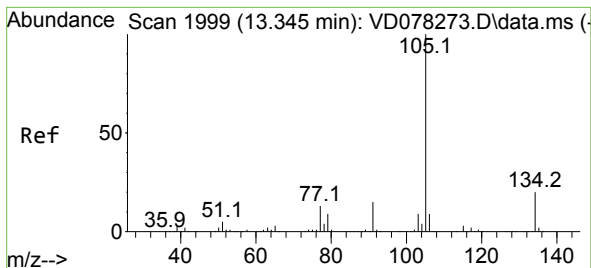
Tgt Ion:	119	Resp:	10987
Ion	Ratio	Lower	Upper
119	100		
91	64.9	29.3	87.8
134	26.8	14.1	42.3



#84
1,2,4-Trimethylbenzene
Concen: 2.416 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:	105	Resp:	12551
Ion	Ratio	Lower	Upper
105	100		
120	44.5	24.3	72.9





#85

sec-Butylbenzene

Concen: 2.510 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

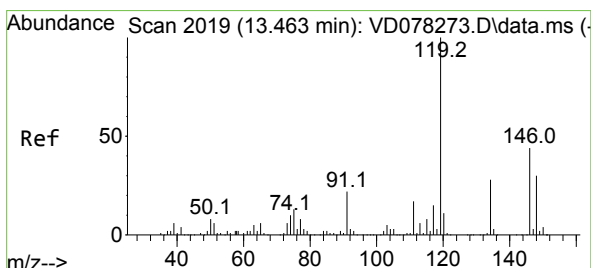
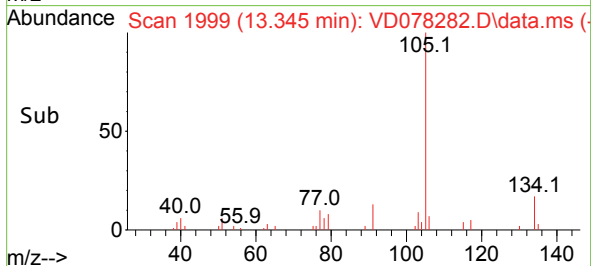
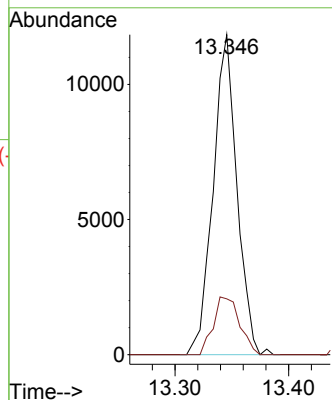
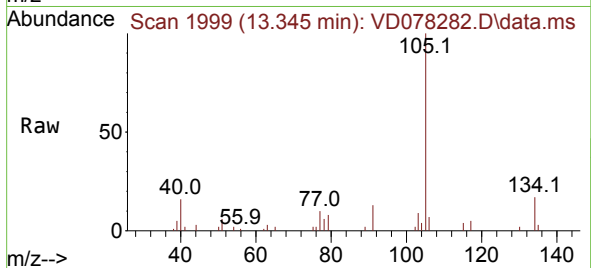
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 17257

Ion Ratio Lower Upper

105 100

134 19.8 10.9 32.9



#86

p-Isopropyltoluene

Concen: 2.375 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

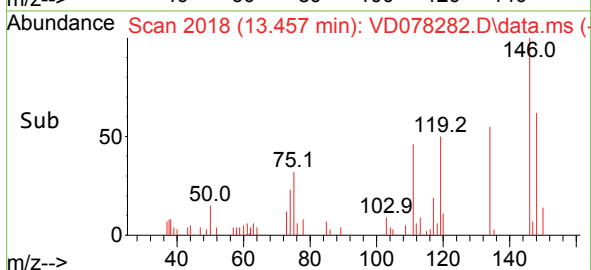
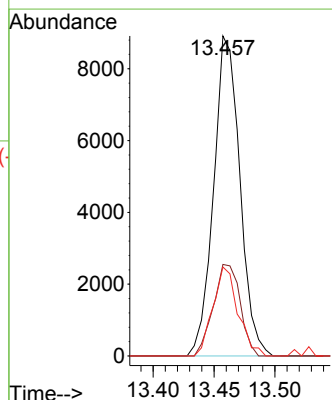
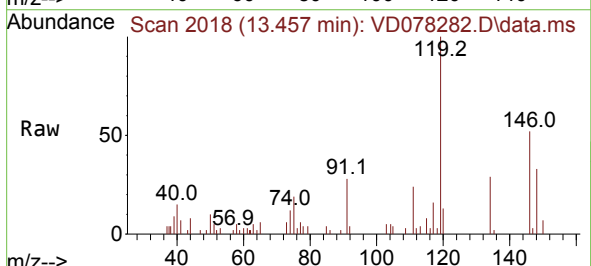
Tgt Ion:119 Resp: 13375

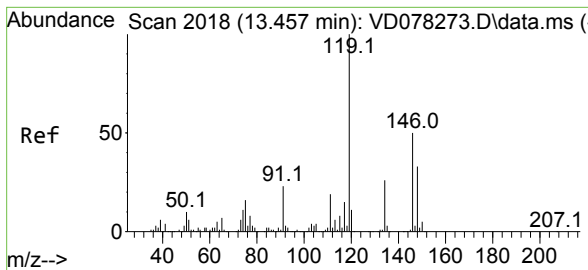
Ion Ratio Lower Upper

119 100

134 29.1 14.2 42.6

91 26.6 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 2.766 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

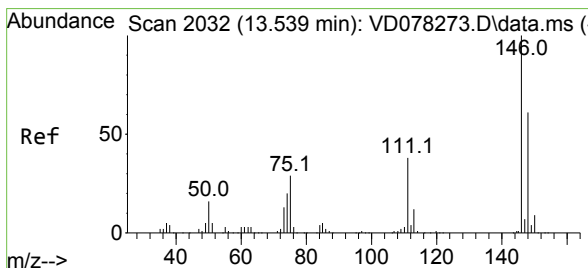
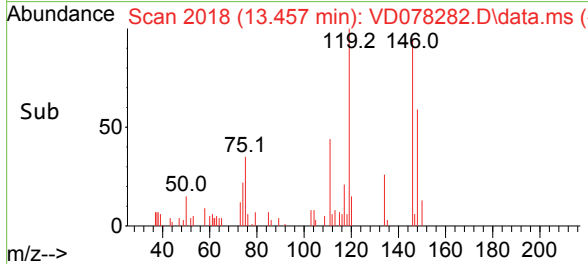
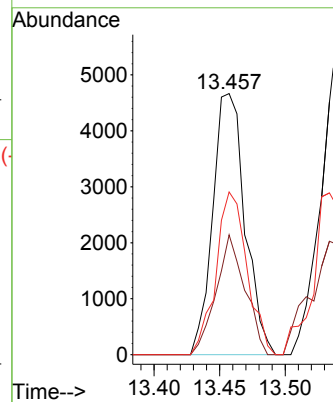
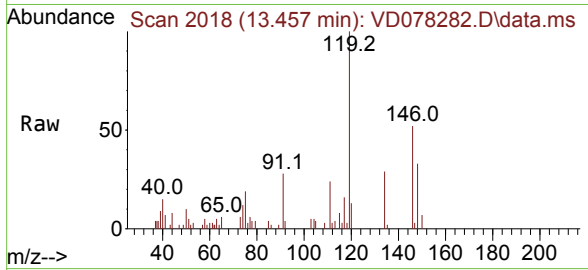
Tgt Ion:146 Resp: 7980

Ion Ratio Lower Upper

146 100

111 41.2 17.9 53.8

148 60.0 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 3.063 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

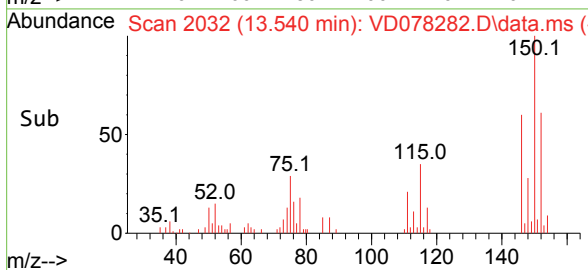
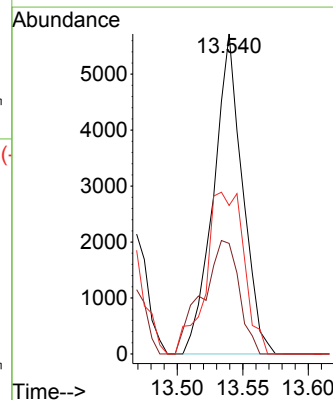
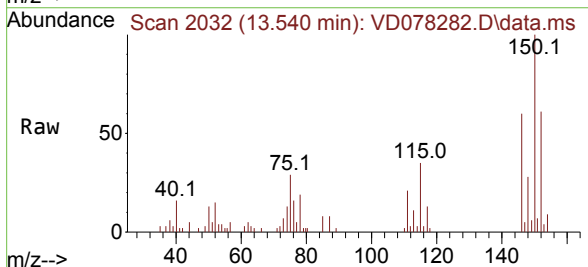
Tgt Ion:146 Resp: 8745

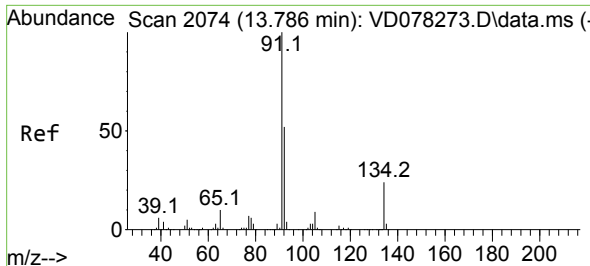
Ion Ratio Lower Upper

146 100

111 45.1 17.4 52.3

148 67.0 31.7 95.1

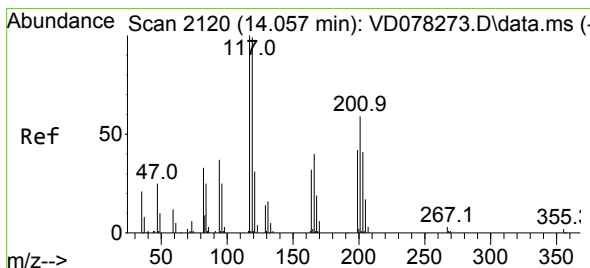
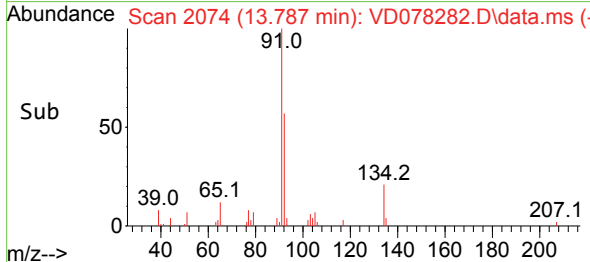
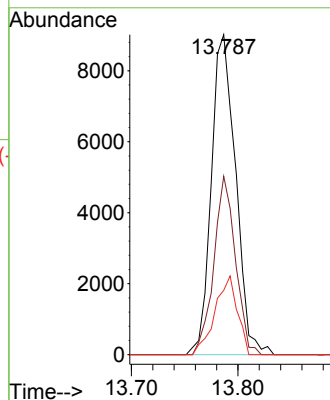
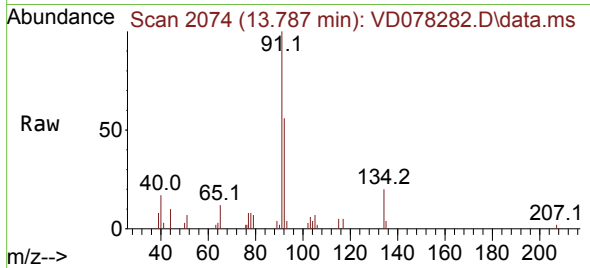




#89
n-Butylbenzene
Concen: 2.598 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

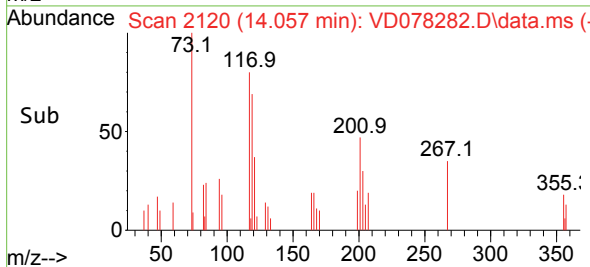
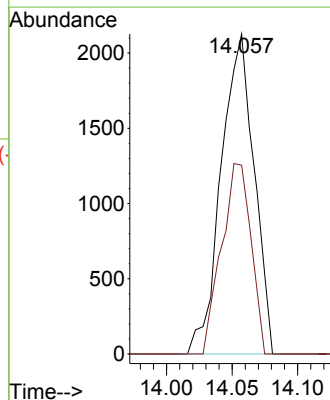
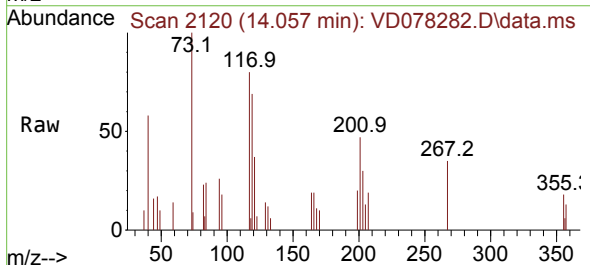
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

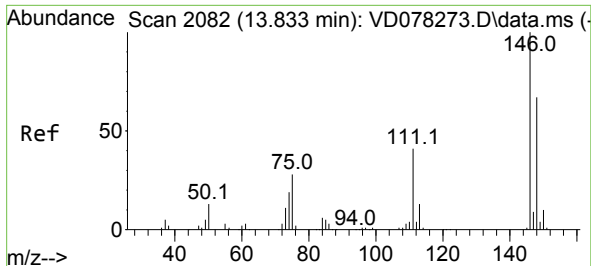
Tgt Ion:	91	Resp:	14258
Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.5	79.5
134	22.7	13.8	41.3



#90
Hexachloroethane
Concen: 3.299 ug/l
RT: 14.057 min Scan# 2120
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:	117	Resp:	3711
Ion	Ratio	Lower	Upper
117	100		
201	53.2	38.5	115.5

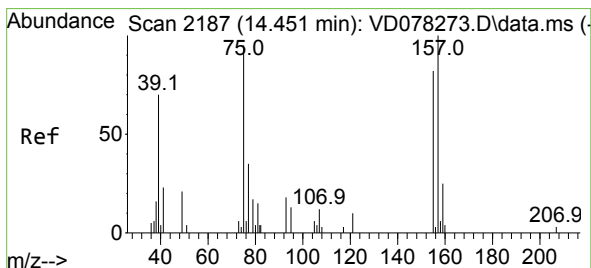
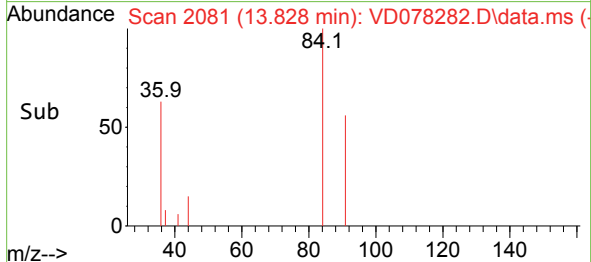
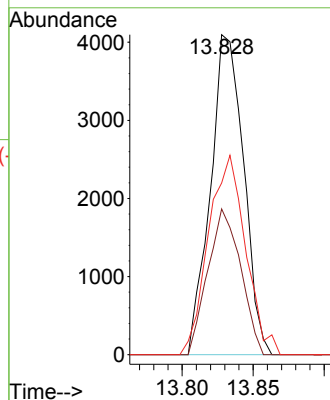
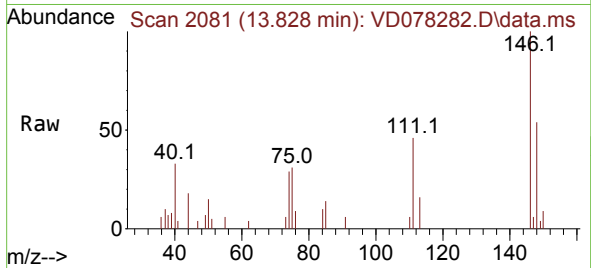




#91
1,2-Dichlorobenzene
Concen: 2.701 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

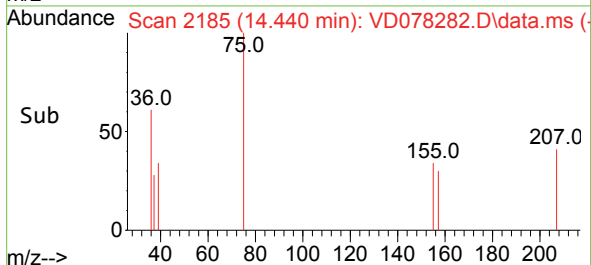
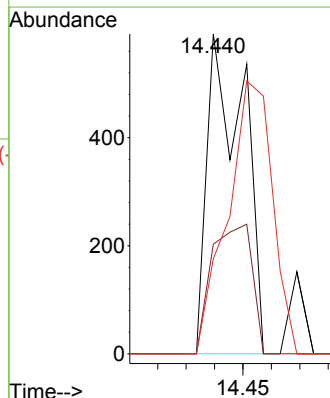
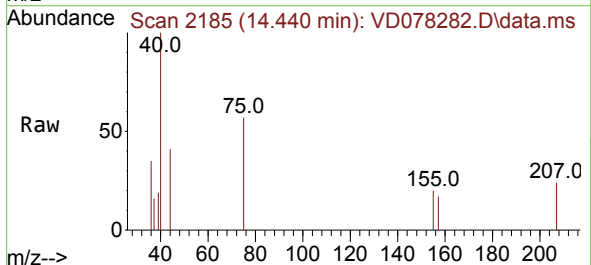
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

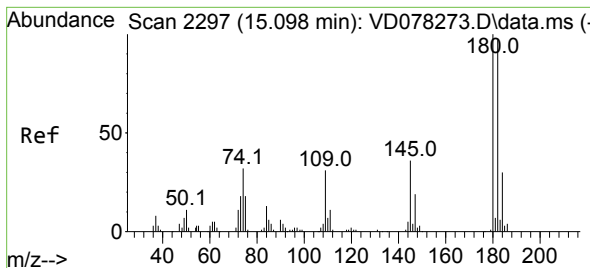
Tgt Ion:146 Resp: 6667
Ion Ratio Lower Upper
146 100
111 45.1 18.3 54.8
148 69.7 31.6 94.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.073 ug/l
RT: 14.440 min Scan# 2185
Delta R.T. -0.012 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion: 75 Resp: 525
Ion Ratio Lower Upper
75 100
155 45.0 47.9 143.8#
157 105.1 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 2.919 ug/l

RT: 15.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

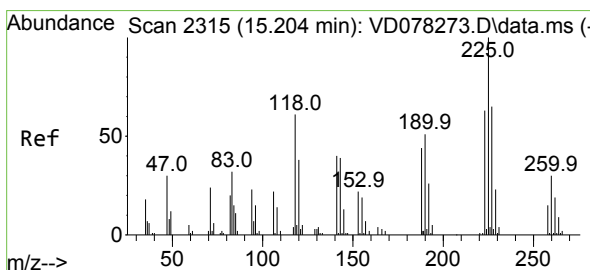
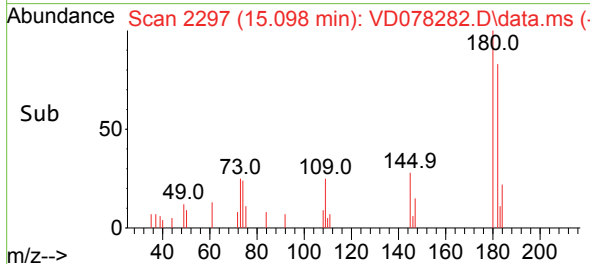
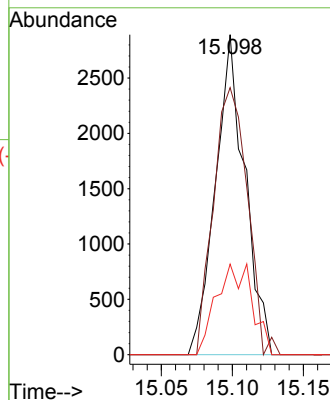
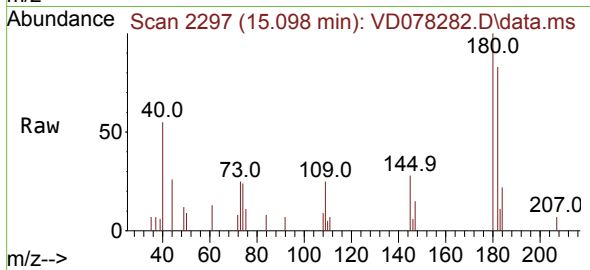
Tgt Ion:180 Resp: 4167

Ion Ratio Lower Upper

180 100

182 96.1 48.5 145.6

145 34.3 14.2 42.6



#94

Hexachlorobutadiene

Concen: 2.879 ug/l

RT: 15.198 min Scan# 2314

Delta R.T. -0.006 min

Lab File: VD078282.D

Acq: 30 Jan 2024 16:48

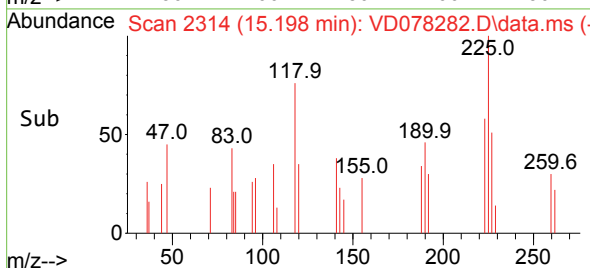
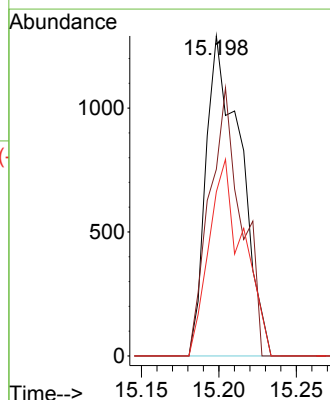
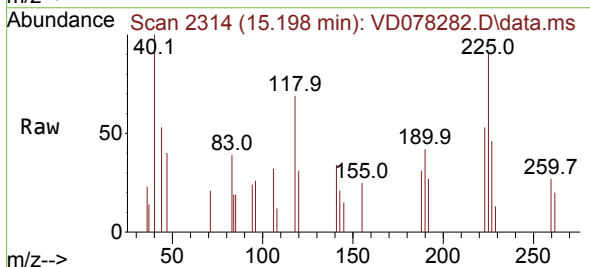
Tgt Ion:225 Resp: 2014

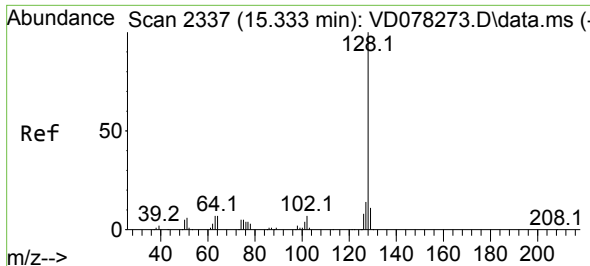
Ion Ratio Lower Upper

225 100

223 77.2 31.6 94.8

227 60.8 31.7 95.1

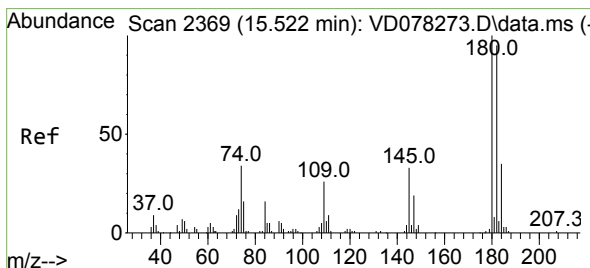
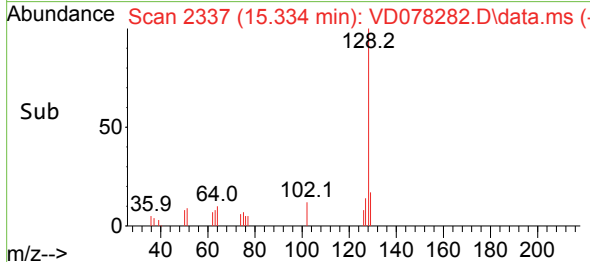
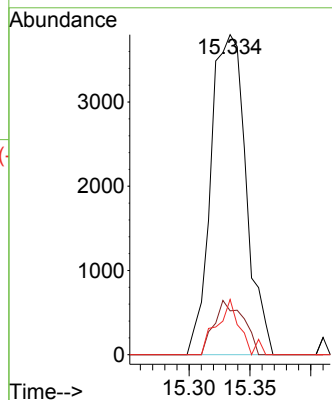
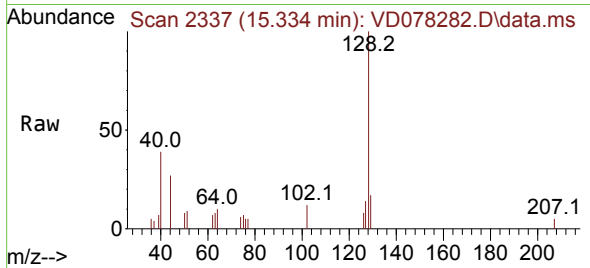




#95
Naphthalene
Concen: 2.678 ug/l
RT: 15.334 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

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

Tgt Ion:128 Resp: 7624
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 17.3 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 2.744 ug/l
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD078282.D
Acq: 30 Jan 2024 16:48

Tgt Ion:180 Resp: 3450
Ion Ratio Lower Upper
180 100
182 102.9 47.3 141.9
145 36.1 15.1 45.3

