

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013024\
 Data File : VD078283.D
 Acq On : 30 Jan 2024 17:15
 Operator : RP/MD
 Sample : P1187-03 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Jan 31 01:18:42 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	7.875	168	99364	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	192564	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	174315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	79168	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	36156	29.394	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	58.780%
35) Dibromofluoromethane	7.811	113	35044	25.562	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	51.120%#
50) Toluene-d8	10.269	98	132809	25.588	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	51.180%#
62) 4-Bromofluorobenzene	12.575	95	37224	23.948	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	47.900%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	4342	3.614	ug/l	79
3) Chloromethane	2.152	50	8655	4.187	ug/l	91
4) Vinyl Chloride	2.281	62	9739	3.572	ug/l	98
5) Bromomethane	2.693	94	6219	3.768	ug/l	85
6) Chloroethane	2.834	64	6740	3.579	ug/l	92
7) Trichlorofluoromethane	3.170	101	8826	3.823	ug/l	93
8) Diethyl Ether	3.593	74	2573	3.768	ug/l	61
9) 1,1,2-Trichlorotrifluo...	3.970	101	5588	3.944	ug/l	# 69
10) Methyl Iodide	4.164	142	3270	2.537	ug/l	# 86
11) Tert butyl alcohol	5.040	59	871	11.101	ug/l	# 73
12) 1,1-Dichloroethene	3.940	96	5170	3.782	ug/l	# 78
13) Acrolein	3.811	56	2345	23.004	ug/l	# 57
14) Allyl chloride	4.570	41	6347	3.522	ug/l	# 79
15) Acrylonitrile	5.264	53	6394	21.184	ug/l	# 76
16) Acetone	4.028	43	7471	22.985	ug/l	# 79
17) Carbon Disulfide	4.264	76	13883	3.008	ug/l	100
18) Methyl Acetate	4.570	43	3858	5.884	ug/l	90
19) Methyl tert-butyl Ether	5.328	73	10919	3.841	ug/l	# 85
20) Methylene Chloride	4.793	84	9854	5.767	ug/l	# 79
21) trans-1,2-Dichloroethene	5.311	96	5144	3.328	ug/l	90
22) Diisopropyl ether	6.216	45	13772	3.591	ug/l	# 87
23) Vinyl Acetate	6.158	43	33172	14.178	ug/l	97
24) 1,1-Dichloroethane	6.105	63	4658	1.755	ug/l	# 93
25) 2-Butanone	7.093	43	8387	20.462	ug/l	90
26) 2,2-Dichloropropane	7.075	77	8066	3.719	ug/l	100
27) cis-1,2-Dichloroethene	7.081	96	6845	3.996	ug/l	87
28) Bromochloromethane	7.416	49	4183	4.418	ug/l	# 79
29) Tetrahydrofuran	7.452	42	4453	20.308	ug/l	# 81
30) Chloroform	7.593	83	10937	4.029	ug/l	95
31) Cyclohexane	7.875	56	9382	4.073	ug/l	# 83
32) 1,1,1-Trichloroethane	7.799	97	8791	3.758	ug/l	92
36) 1,1-Dichloropropene	8.011	75	7032	3.093	ug/l	99
37) Ethyl Acetate	7.175	43	5157	5.894	ug/l	# 92
38) Carbon Tetrachloride	7.993	117	7443	3.330	ug/l	99
39) Methylcyclohexane	9.275	83	8952	3.331	ug/l	89
40) Benzene	8.252	78	22574	3.403	ug/l	92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	1810	3.848	ug/l #	88
42) 1,2-Dichloroethane	8.340	62	6288	3.655	ug/l	82
43) Isopropyl Acetate	8.363	43	5380	3.429	ug/l #	80
44) Trichloroethene	9.022	130	5535	3.398	ug/l	94
45) 1,2-Dichloropropane	9.305	63	5789	3.569	ug/l #	88
46) Dibromomethane	9.393	93	3421	3.802	ug/l #	83
47) Bromodichloromethane	9.587	83	8306	3.752	ug/l #	82
48) Methyl methacrylate	9.387	41	2959	3.947	ug/l #	72
49) 1,4-Dioxane	9.393	88	729	72.222	ug/l #	44
51) 4-Methyl-2-Pentanone	10.157	43	14572	17.171	ug/l #	81
52) Toluene	10.334	92	13754	3.419	ug/l	93
53) t-1,3-Dichloropropene	10.552	75	6695	3.238	ug/l	91
54) cis-1,3-Dichloropropene	10.016	75	8413	3.437	ug/l #	76
55) 1,1,2-Trichloroethane	10.734	97	4364	3.716	ug/l	95
56) Ethyl methacrylate	10.599	69	2502	1.879	ug/l #	48
57) 1,3-Dichloropropane	10.881	76	7568	3.738	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	11348	18.736	ug/l	89
59) 2-Hexanone	10.916	43	11217	17.550	ug/l	81
60) Dibromochloromethane	11.075	129	4739	3.477	ug/l	96
61) 1,2-Dibromoethane	11.175	107	4038	3.642	ug/l	96
64) Tetrachloroethene	10.810	164	4248	3.494	ug/l #	81
65) Chlorobenzene	11.610	112	14632	3.509	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.681	131	5204	3.505	ug/l	95
67) Ethyl Benzene	11.687	91	24054	3.184	ug/l #	87
68) m/p-Xylenes	11.793	106	17807	6.127	ug/l	93
69) o-Xylene	12.116	106	8149	3.051	ug/l	93
70) Styrene	12.134	104	12071	2.646	ug/l	93
71) Bromoform	12.299	173	2676	3.659	ug/l #	95
73) Isopropylbenzene	12.416	105	20915	3.122	ug/l	93
74) N-amyl acetate	12.234	43	4514	3.258	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.669	83	5330	4.120	ug/l #	98
76) 1,2,3-Trichloropropane	12.722	75	6549	7.915	ug/l #	100
77) Bromobenzene	12.698	156	5411	3.671	ug/l	75
78) n-propylbenzene	12.763	91	27685	3.318	ug/l	96
79) 2-Chlorotoluene	12.851	91	14929	3.342	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	17074	3.133	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.475	75	1634	3.927	ug/l	92
82) 4-Chlorotoluene	12.946	91	16074	3.376	ug/l	93
83) tert-Butylbenzene	13.163	119	14236	3.062	ug/l	90
84) 1,2,4-Trimethylbenzene	13.210	105	17349	3.147	ug/l	97
85) sec-Butylbenzene	13.346	105	21653	2.967	ug/l	94
86) p-Isopropyltoluene	13.457	119	18713	3.131	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	11100	3.625	ug/l	92
88) 1,4-Dichlorobenzene	13.540	146	11373	3.754	ug/l	90
89) n-Butylbenzene	13.787	91	19545	3.356	ug/l	96
90) Hexachloroethane	14.051	117	4461	3.737	ug/l	75
91) 1,2-Dichlorobenzene	13.828	146	9034	3.448	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.445	75	762	4.202	ug/l	68
93) 1,2,4-Trichlorobenzene	15.098	180	5622	3.710	ug/l	92
94) Hexachlorobutadiene	15.204	225	2846	3.833	ug/l	99
95) Naphthalene	15.334	128	10326	3.418	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.516	180	4933	3.697	ug/l	94

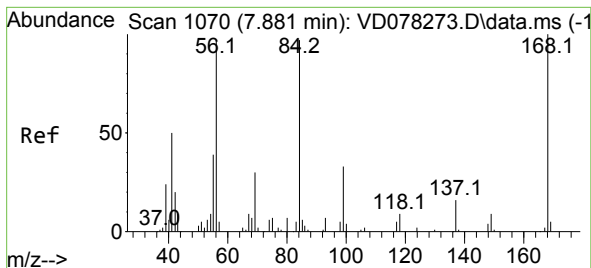
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 10

Delta R.T. -0.006 min

Lab File: VD078283.D

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Instrument :

MSVOA_D

ClientSampleId :

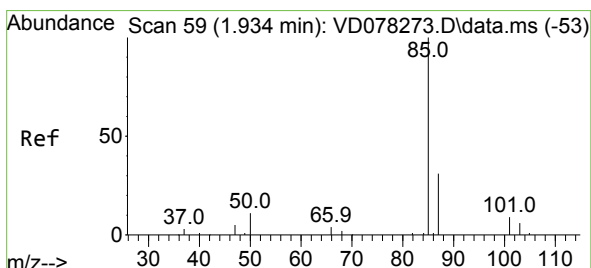
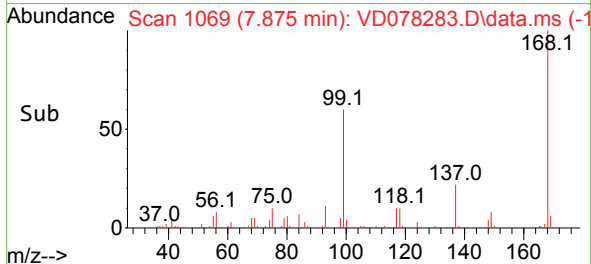
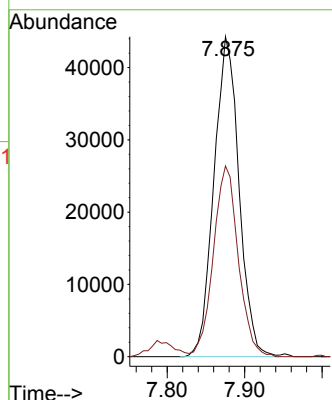
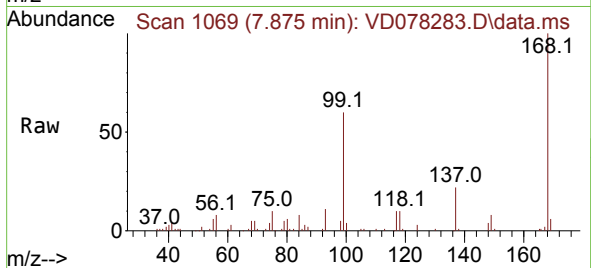
MDL-SOIL-03-QT1-2024

Tgt Ion:168 Resp: 99364

Ion Ratio Lower Upper

168 100

99 59.6 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 3.614 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078283.D

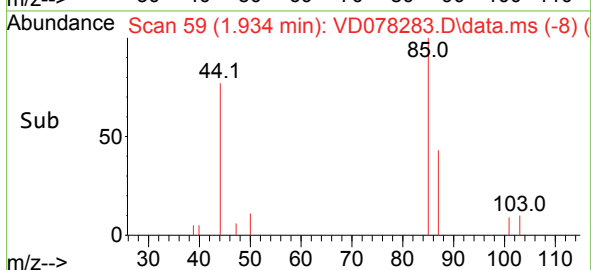
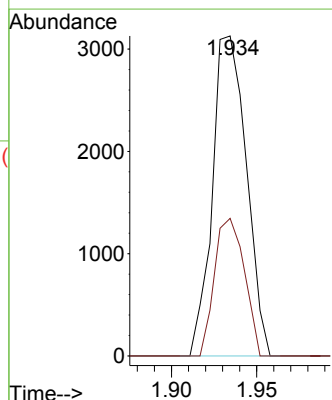
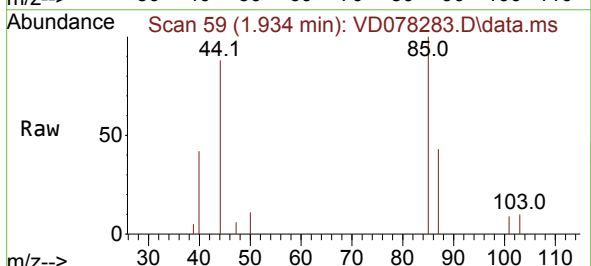
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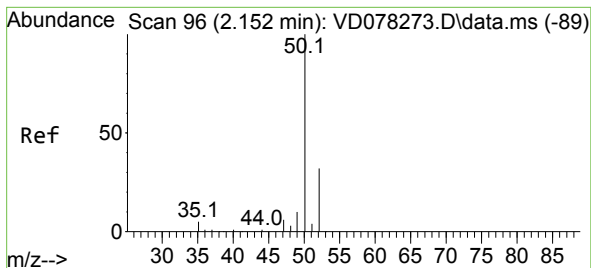
Tgt Ion: 85 Resp: 4342

Ion Ratio Lower Upper

85 100

87 43.0 15.7 47.0





#3

Chloromethane

Concen: 4.187 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

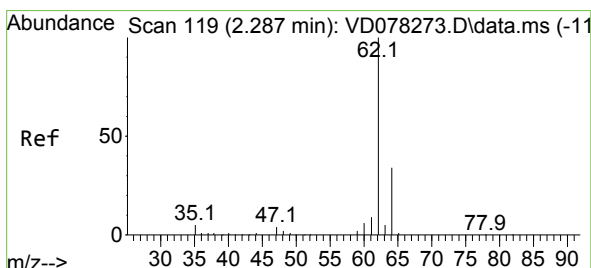
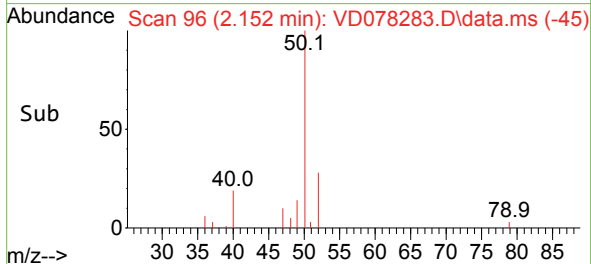
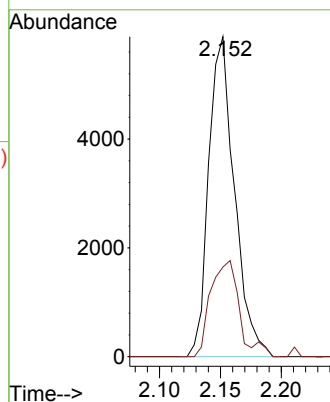
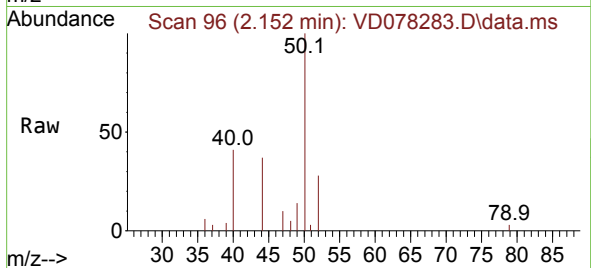
MDL-SOIL-03-QT1-2024

Tgt Ion: 50 Resp: 8655

Ion Ratio Lower Upper

50 100

52 28.0 26.6 40.0



#4

Vinyl Chloride

Concen: 3.572 ug/l

RT: 2.281 min Scan# 118

Delta R.T. -0.006 min

Lab File: VD078283.D

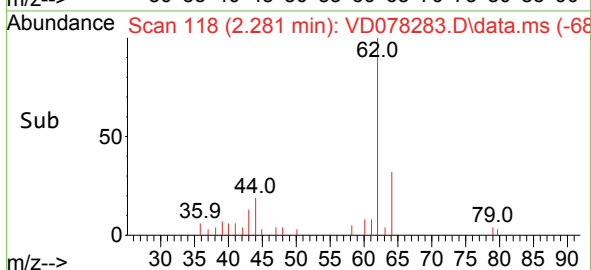
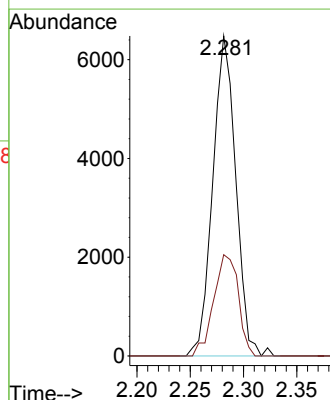
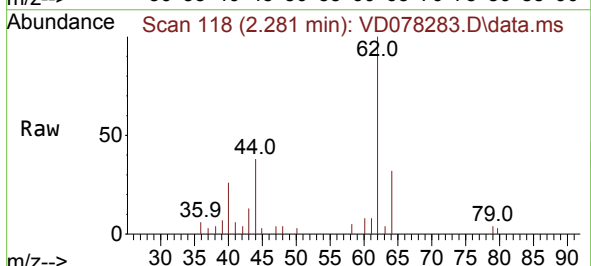
Acq: 30 Jan 2024 17:15

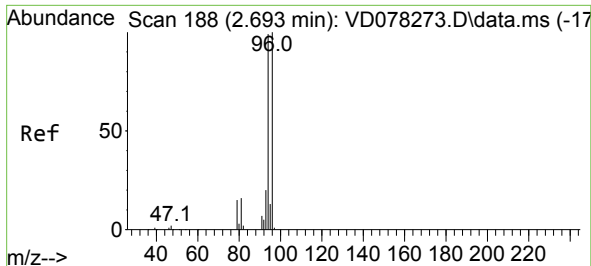
Tgt Ion: 62 Resp: 9739

Ion Ratio Lower Upper

62 100

64 31.6 26.0 39.0

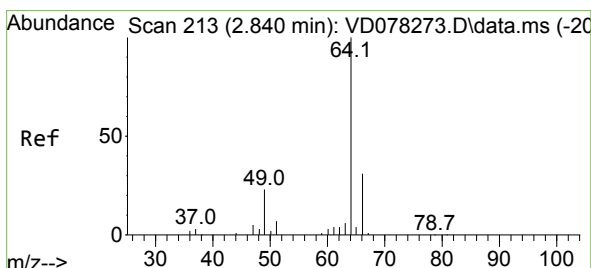
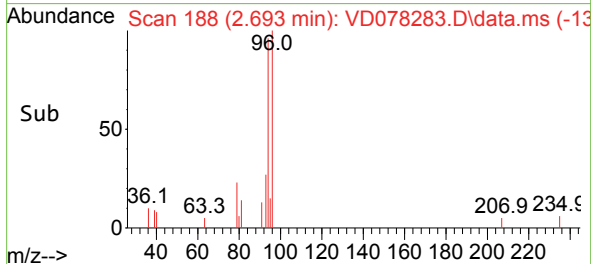
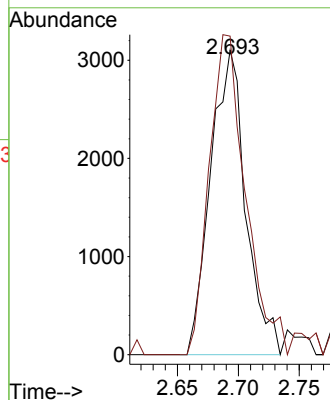
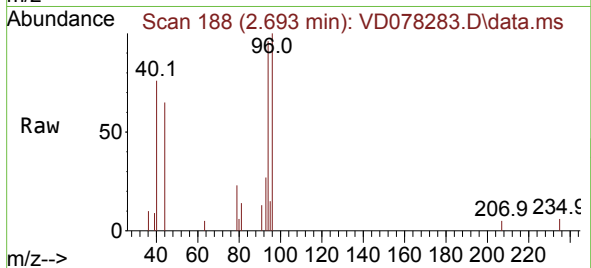




#5
Bromomethane
Concen: 3.768 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078283.D
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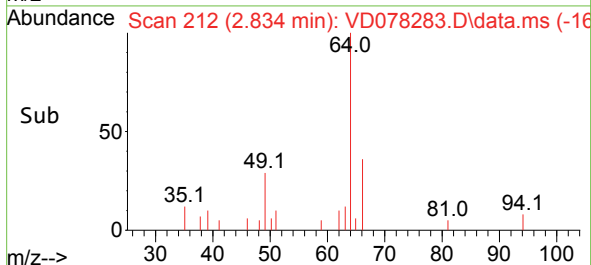
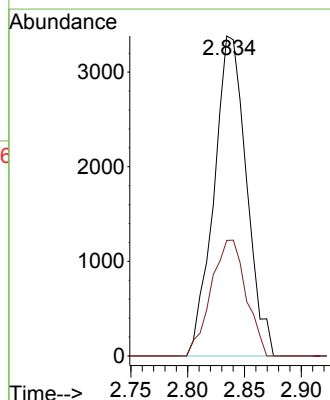
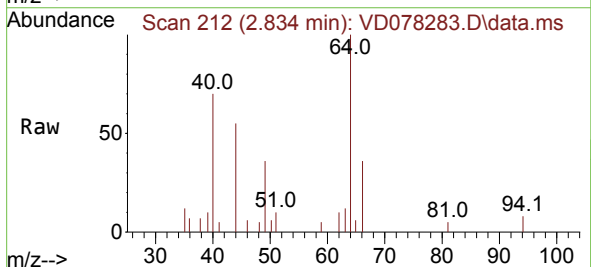
Instrument :
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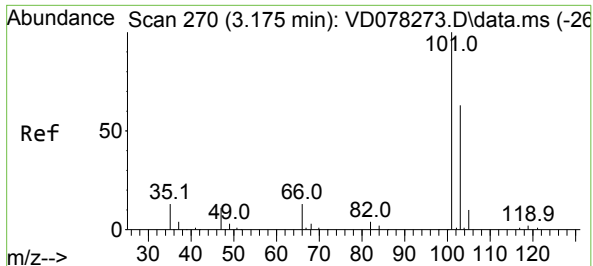
Tgt Ion: 94 Resp: 6219
Ion Ratio Lower Upper
94 100
96 108.9 75.8 113.8



#6
Chloroethane
Concen: 3.579 ug/l
RT: 2.834 min Scan# 212
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 64 Resp: 6740
Ion Ratio Lower Upper
64 100
66 36.1 25.5 38.3

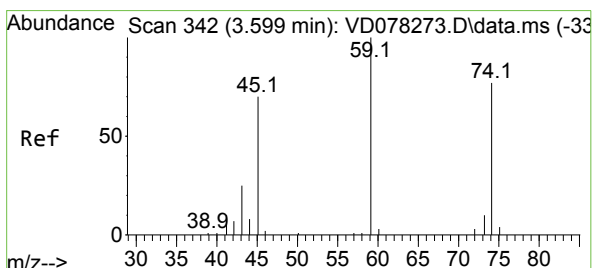
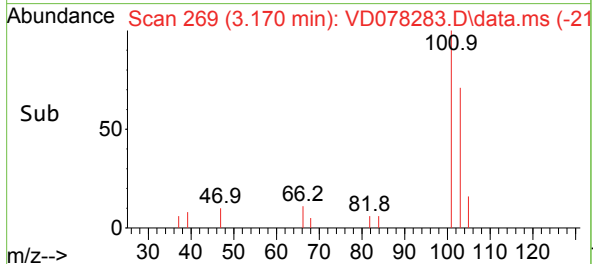
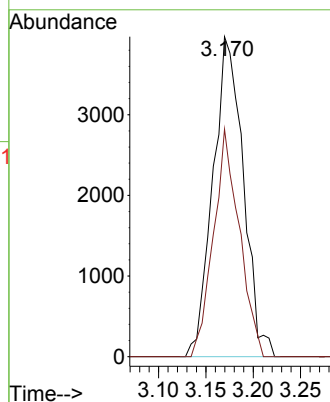
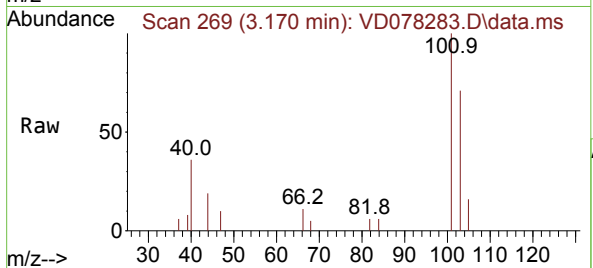




#7
Trichlorofluoromethane
Concen: 3.823 ug/l
RT: 3.170 min Scan# 210
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

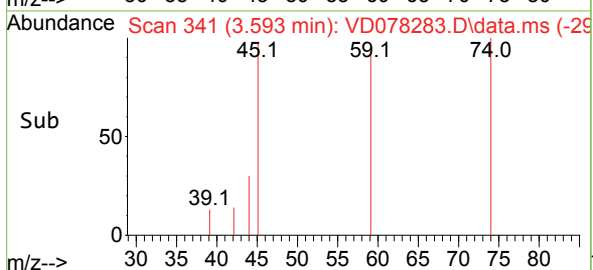
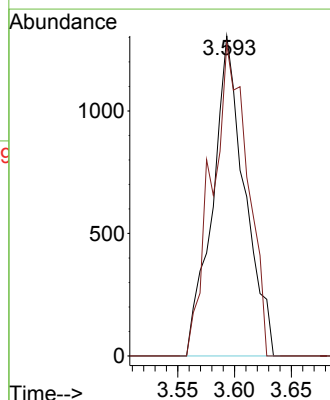
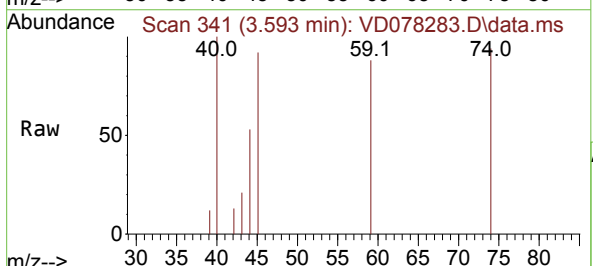
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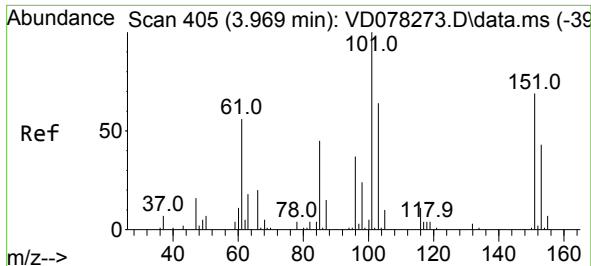
Tgt Ion:101 Resp: 8826
Ion Ratio Lower Upper
101 100
103 71.1 52.3 78.5



#8
Diethyl Ether
Concen: 3.768 ug/l
RT: 3.593 min Scan# 341
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 74 Resp: 2573
Ion Ratio Lower Upper
74 100
45 108.2 37.5 112.7

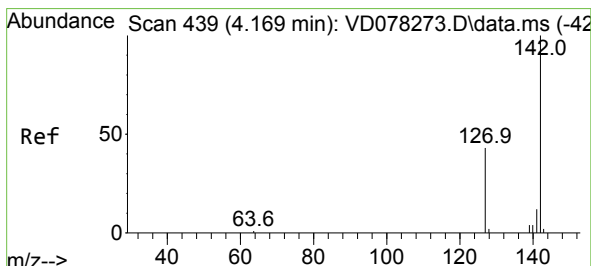
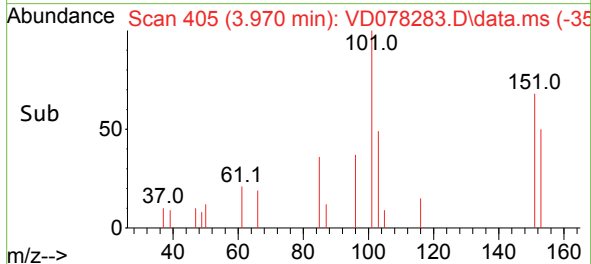
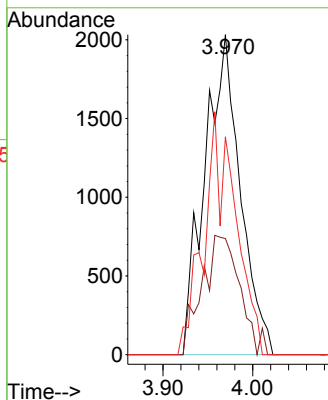
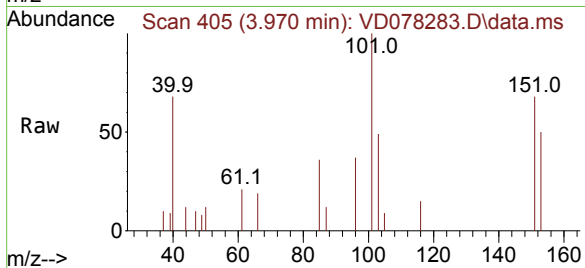




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.944 ug/l
RT: 3.970 min Scan# 405
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

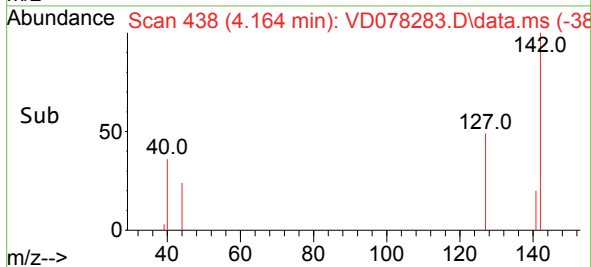
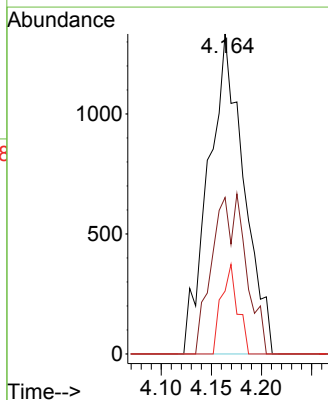
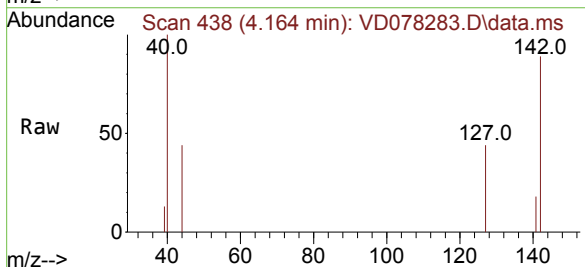
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ClientSampleId :
MDL-SOIL-03-QT1-2024

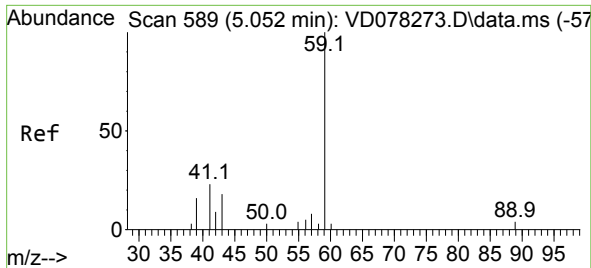
Tgt Ion:101 Resp: 5588
Ion Ratio Lower Upper
101 100
85 39.9 33.8 50.6
151 35.3 59.8 89.6#



#10
Methyl Iodide
Concen: 2.537 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion:142 Resp: 3270
Ion Ratio Lower Upper
142 100
127 47.3 29.4 44.0#
141 12.8 11.1 16.7

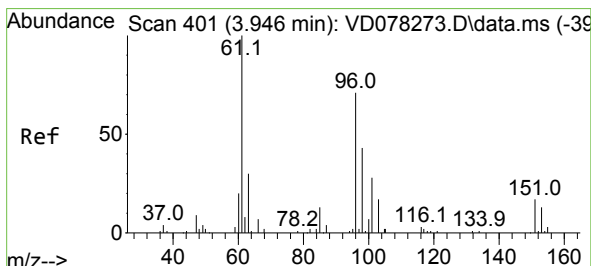
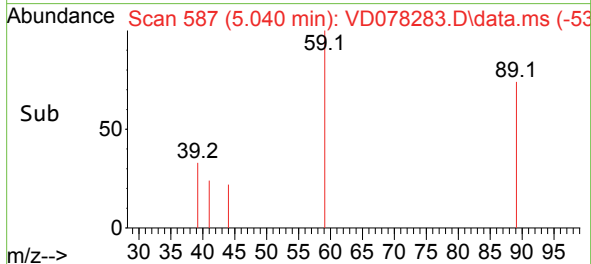
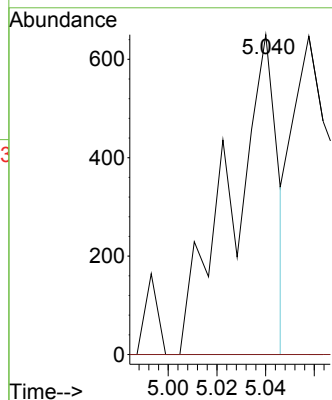
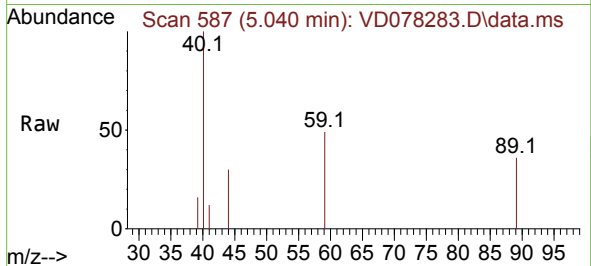




#11
Tert butyl alcohol
Concen: 11.101 ug/l
RT: 5.040 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

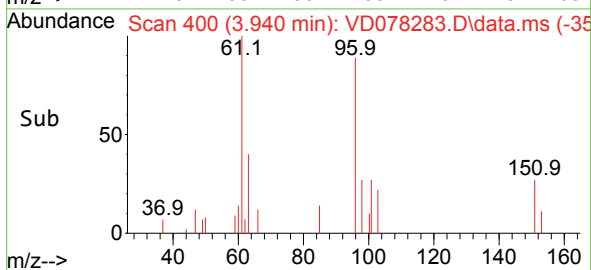
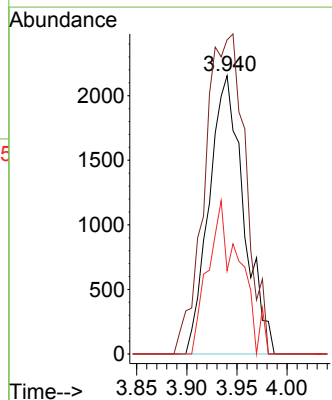
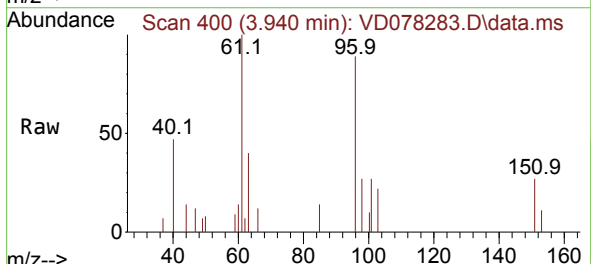
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

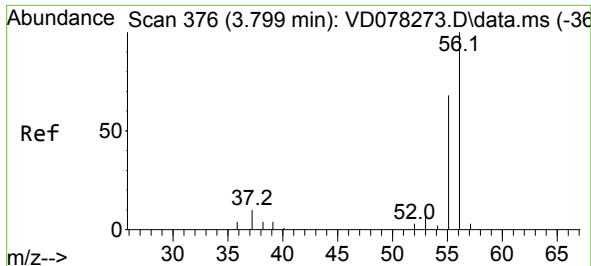
Tgt Ion: 59 Resp: 871
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 3.782 ug/l
RT: 3.940 min Scan# 400
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 96 Resp: 5170
Ion Ratio Lower Upper
96 100
61 112.9 100.6 150.8
98 29.9 50.2 75.2#





#13

Acrolein

Concen: 23.004 ug/l

RT: 3.811 min Scan# 31

Delta R.T. 0.012 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

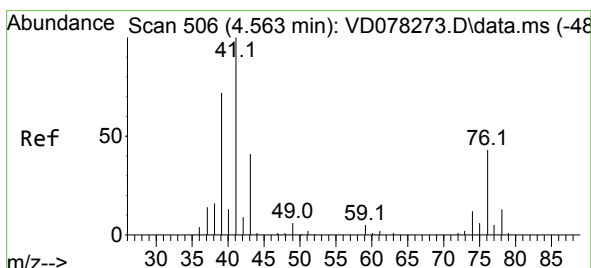
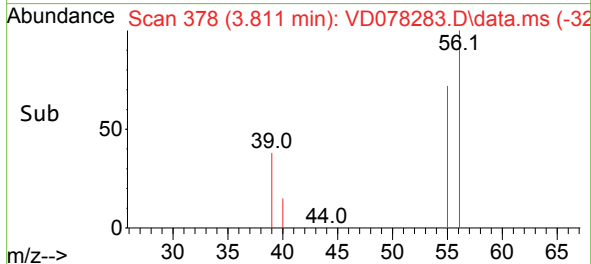
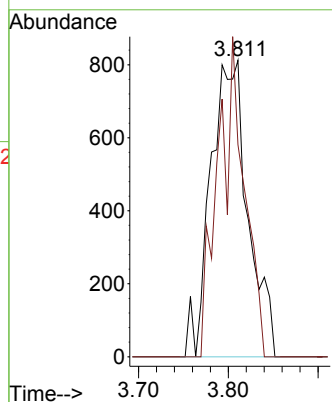
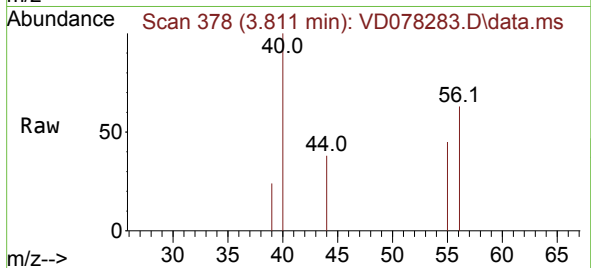
MDL-SOIL-03-QT1-2024

Tgt Ion: 56 Resp: 2345

Ion Ratio Lower Upper

56 100

55 33.9 55.1 82.7#



#14

Allyl chloride

Concen: 3.522 ug/l

RT: 4.570 min Scan# 507

Delta R.T. 0.006 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

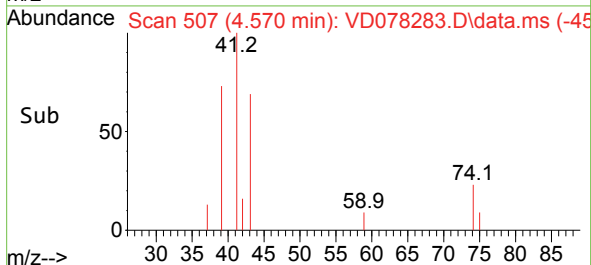
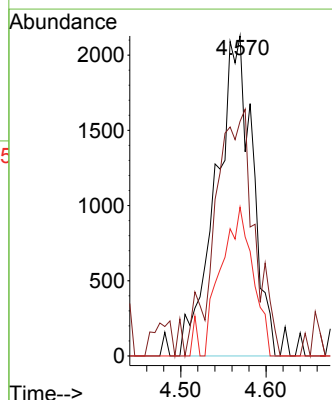
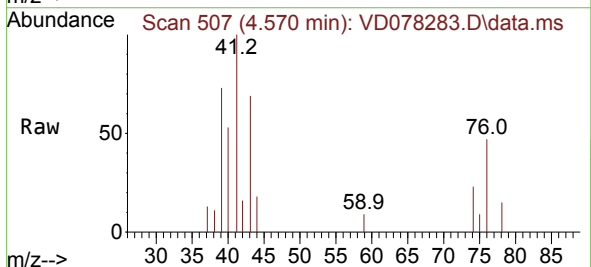
Tgt Ion: 41 Resp: 6347

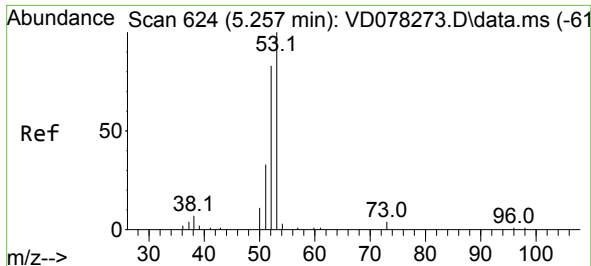
Ion Ratio Lower Upper

41 100

39 82.7 53.8 80.6#

76 40.3 45.8 68.8#

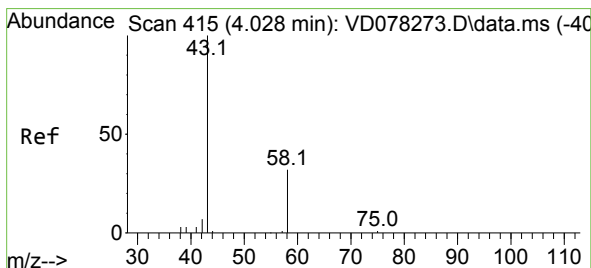
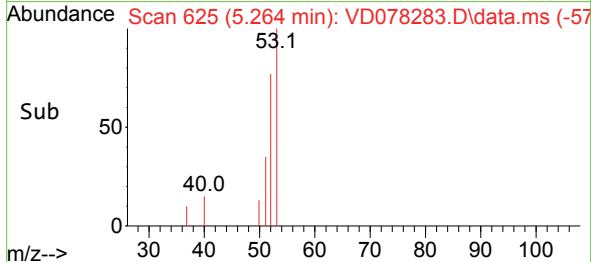
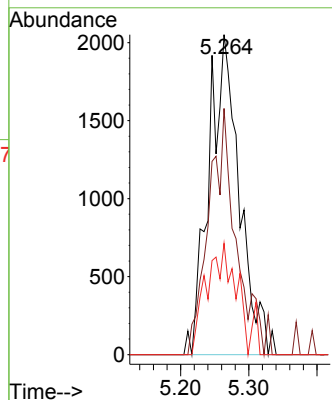
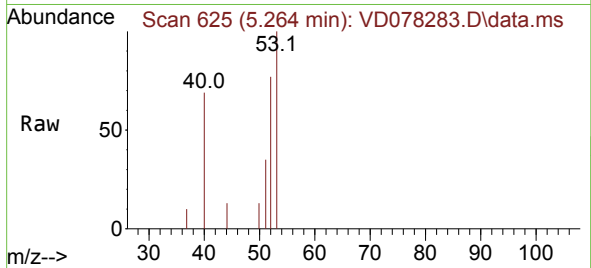




#15
Acrylonitrile
Concen: 21.184 ug/l
RT: 5.264 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

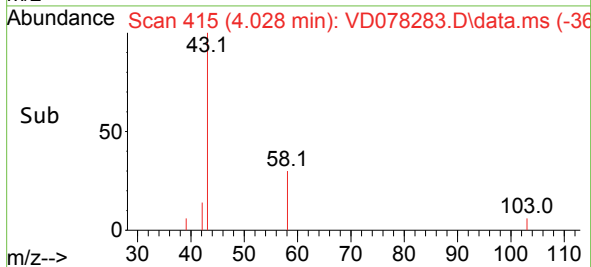
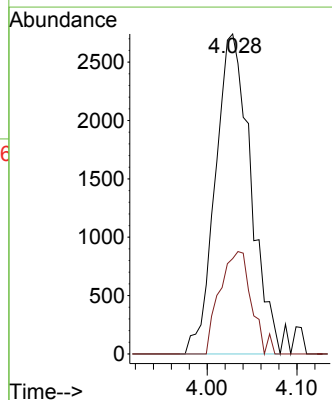
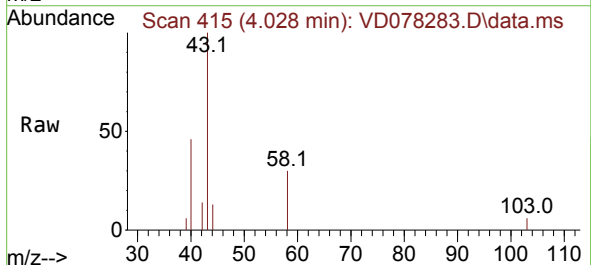
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

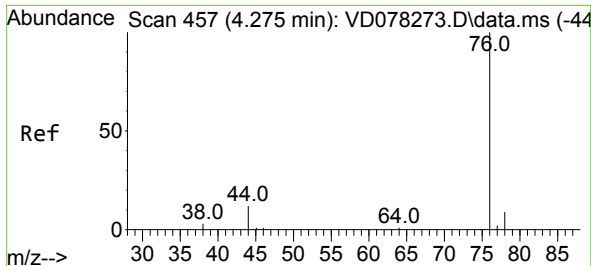
Tgt Ion: 53 Resp: 6394
Ion Ratio Lower Upper
53 100
52 62.8 65.0 97.4#
51 17.2 28.3 42.5#



#16
Acetone
Concen: 22.985 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 43 Resp: 7471
Ion Ratio Lower Upper
43 100
58 29.8 34.7 52.1#

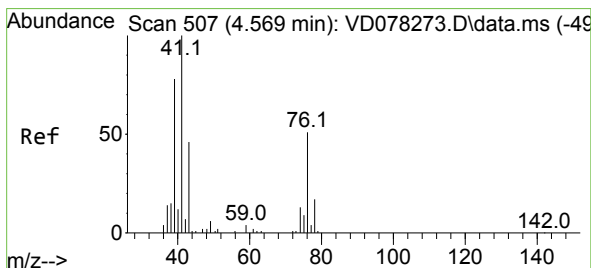
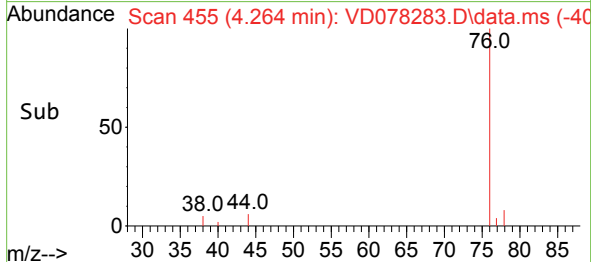
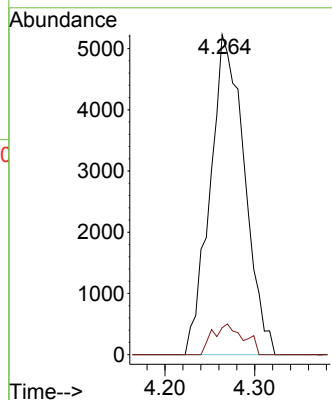
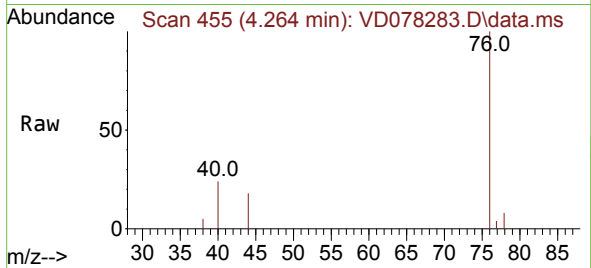




#17
Carbon Disulfide
Concen: 3.008 ug/l
RT: 4.264 min Scan# 41
Delta R.T. -0.012 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

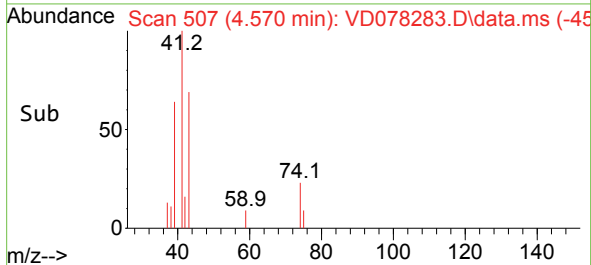
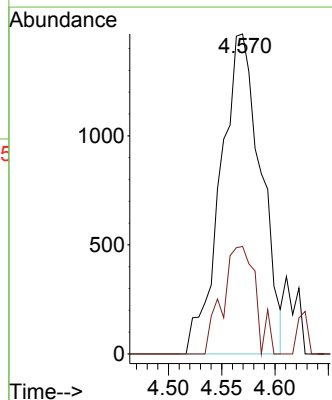
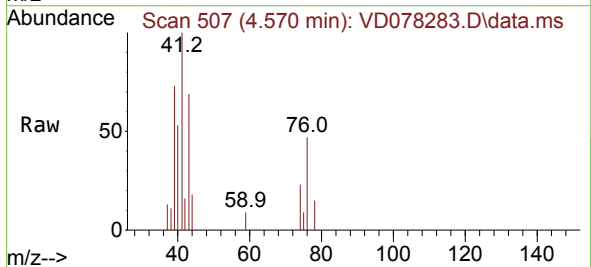
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

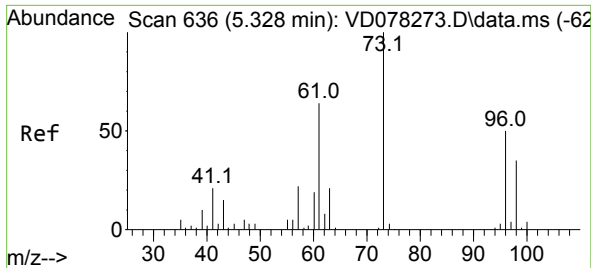
Tgt Ion: 76 Resp: 13883
Ion Ratio Lower Upper
76 100
78 8.4 6.8 10.2



#18
Methyl Acetate
Concen: 5.884 ug/l
RT: 4.570 min Scan# 507
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 43 Resp: 3858
Ion Ratio Lower Upper
43 100
74 27.6 26.4 39.6

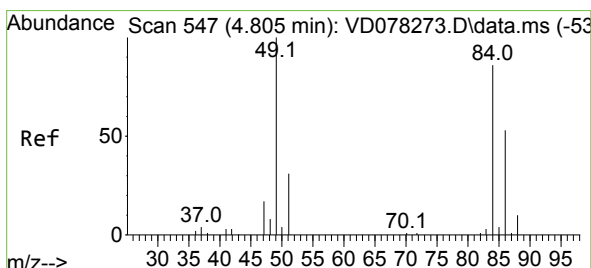
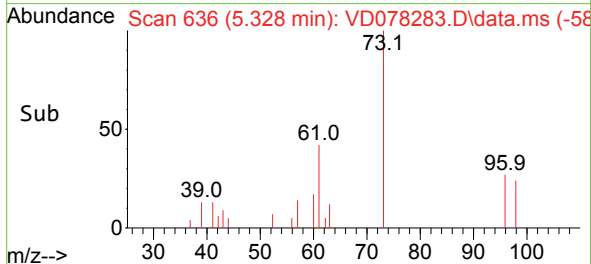
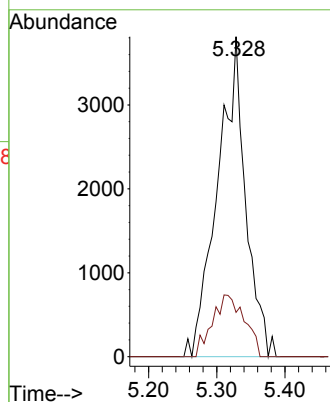
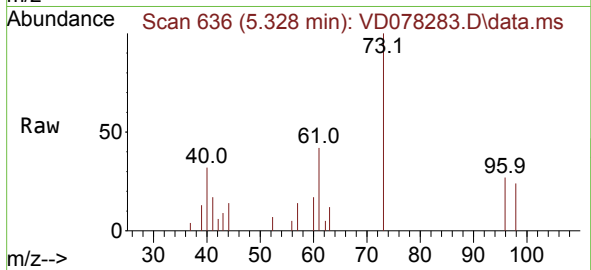




#19
Methyl tert-butyl Ether
Concen: 3.841 ug/l
RT: 5.328 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

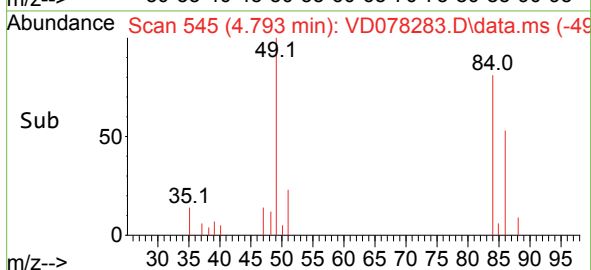
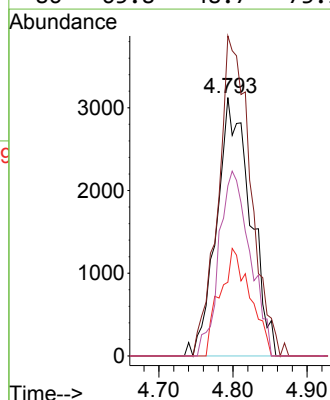
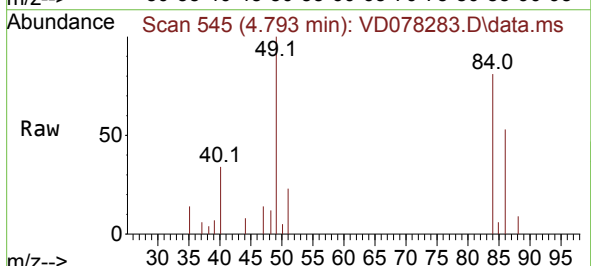
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

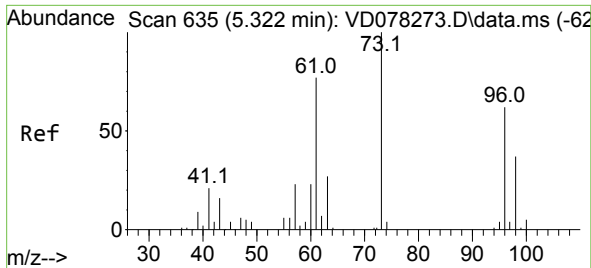
Tgt Ion: 73 Resp: 10919
Ion Ratio Lower Upper
73 100
57 13.9 16.6 25.0#



#20
Methylene Chloride
Concen: 5.767 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.012 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 84 Resp: 9854
Ion Ratio Lower Upper
84 100
49 123.8 71.4 107.2#
51 28.6 24.5 36.7
86 65.8 48.7 73.1

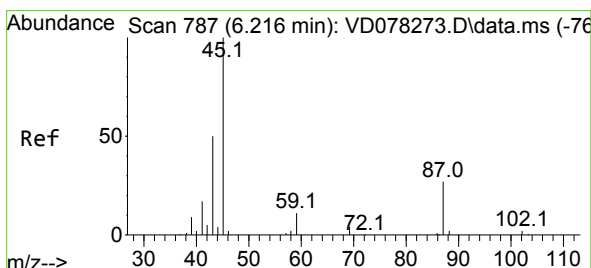
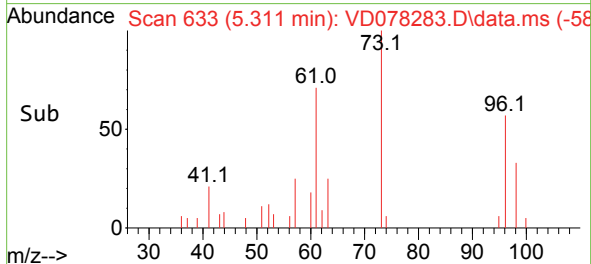
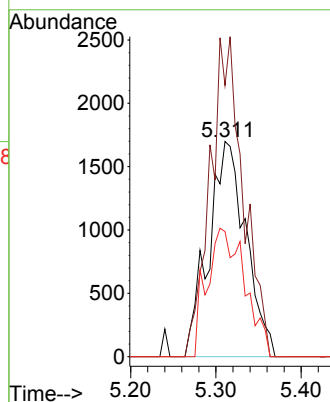
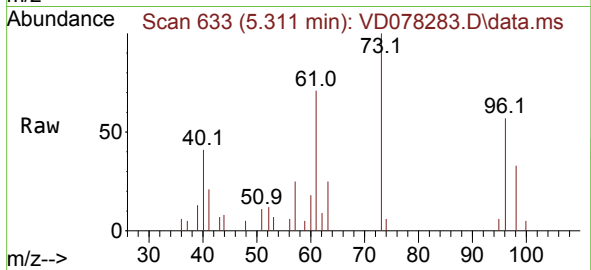




#21
trans-1,2-Dichloroethene
Concen: 3.328 ug/l
RT: 5.311 min Scan# 611
Delta R.T. -0.012 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

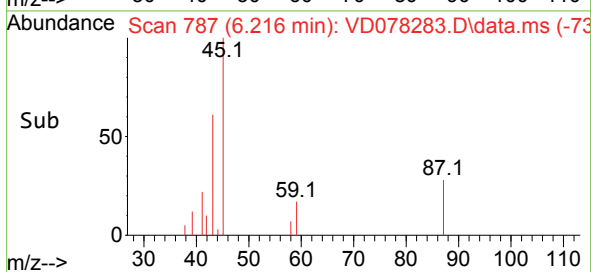
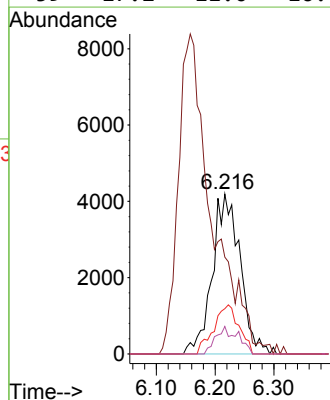
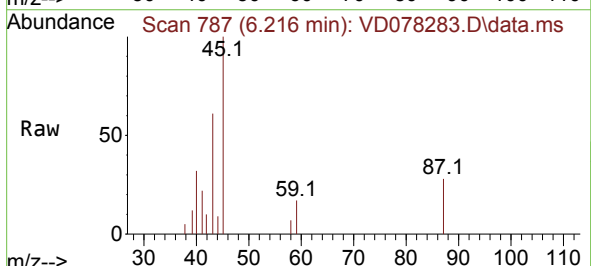
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

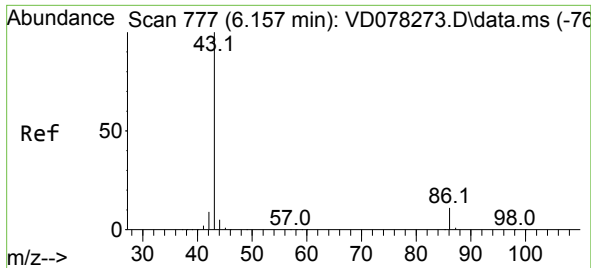
Tgt Ion: 96 Resp: 5144
Ion Ratio Lower Upper
96 100
61 126.0 89.3 133.9
98 58.2 48.6 73.0



#22
Diisopropyl ether
Concen: 3.591 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 45 Resp: 13772
Ion Ratio Lower Upper
45 100
43 60.5 40.0 60.0#
87 28.3 28.2 42.4
59 17.2 11.0 16.4#

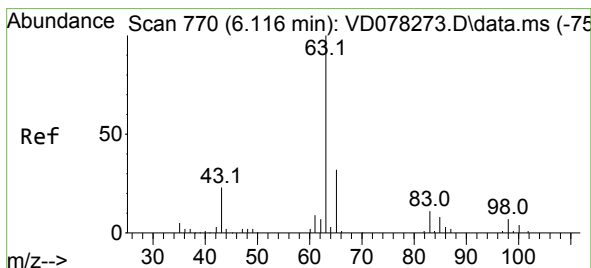
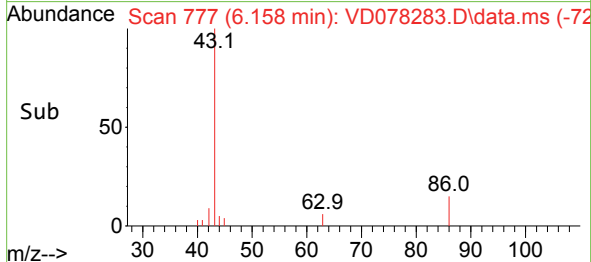
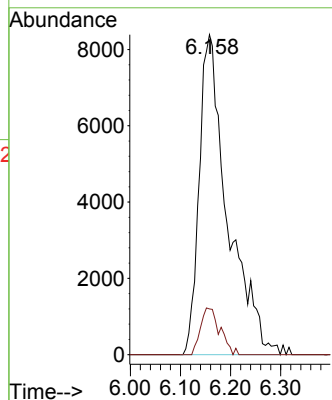
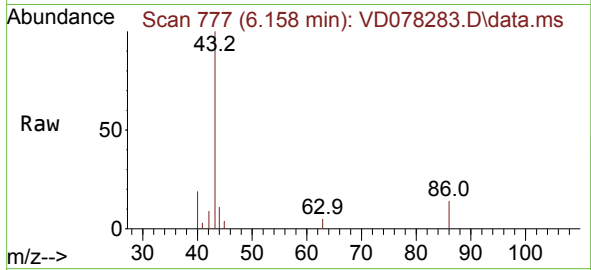




#23
 Vinyl Acetate
 Concen: 14.178 ug/l
 RT: 6.158 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VD078283.D
 Acq: 30 Jan 2024 17:15

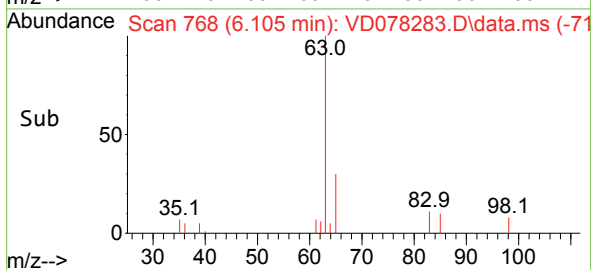
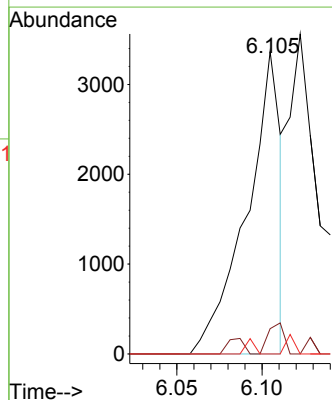
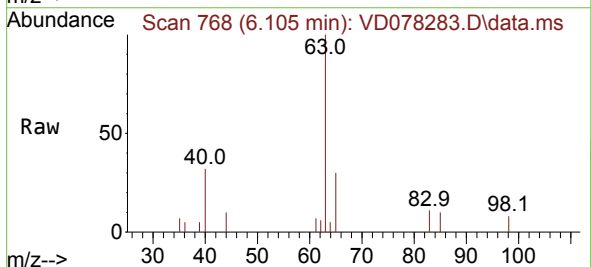
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

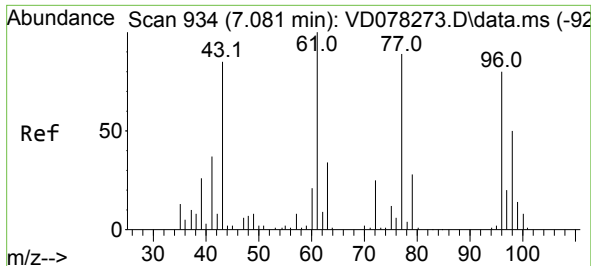
Tgt Ion: 43 Resp: 33172
 Ion Ratio Lower Upper
 43 100
 86 14.3 12.5 18.7



#24
 1,1-Dichloroethane
 Concen: 1.755 ug/l
 RT: 6.105 min Scan# 768
 Delta R.T. -0.012 min
 Lab File: VD078283.D
 Acq: 30 Jan 2024 17:15

Tgt Ion: 63 Resp: 4658
 Ion Ratio Lower Upper
 63 100
 98 8.3 4.5 13.7
 100 0.0 2.5 7.5#

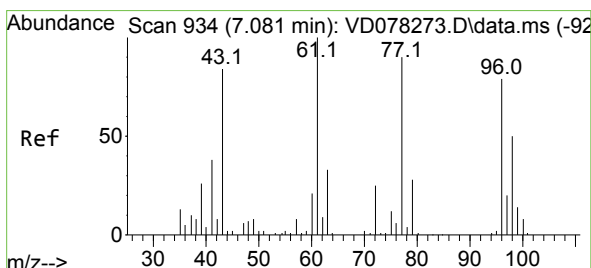
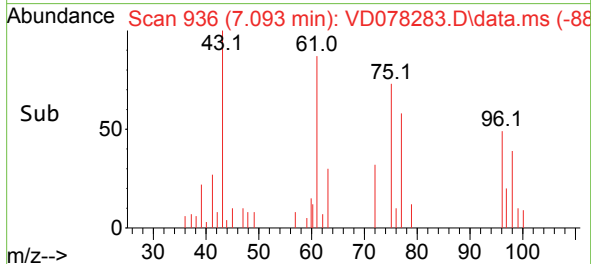
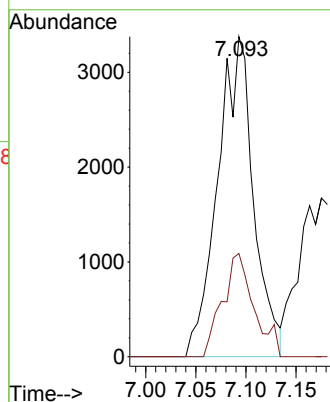
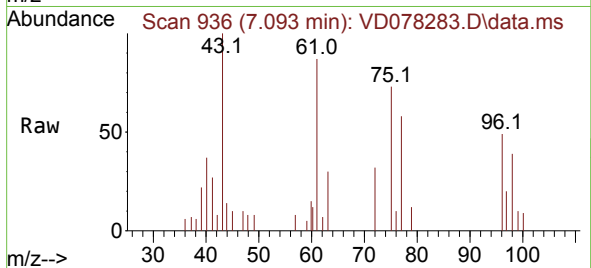




#25
2-Butanone
Concen: 20.462 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

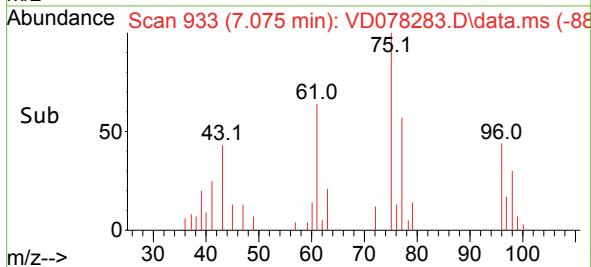
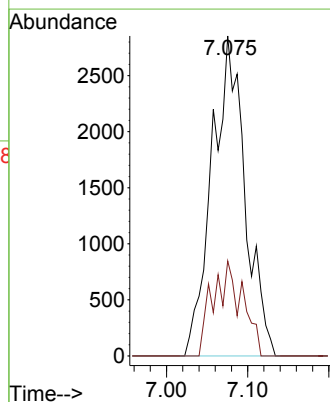
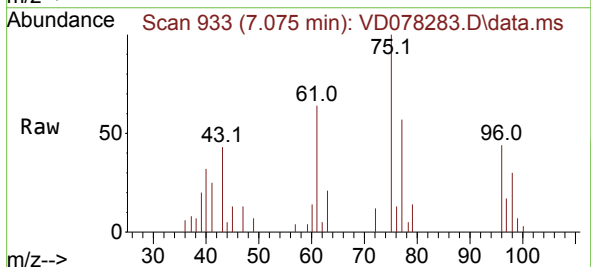
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

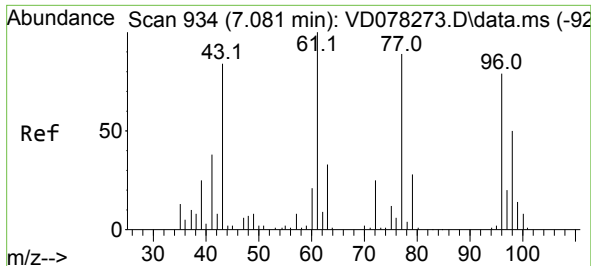
Tgt Ion: 43 Resp: 8387
Ion Ratio Lower Upper
43 100
72 32.3 30.7 46.1



#26
2,2-Dichloropropane
Concen: 3.719 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 77 Resp: 8066
Ion Ratio Lower Upper
77 100
97 26.3 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 3.996 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

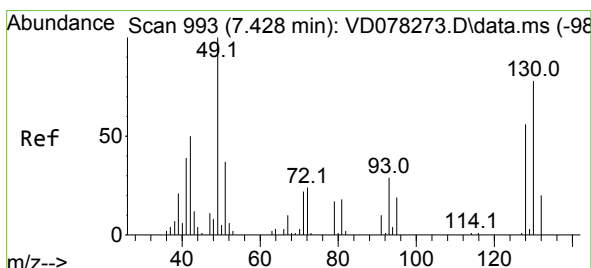
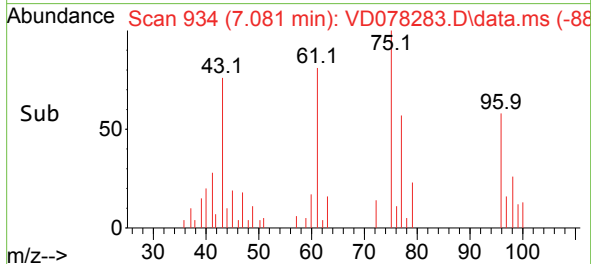
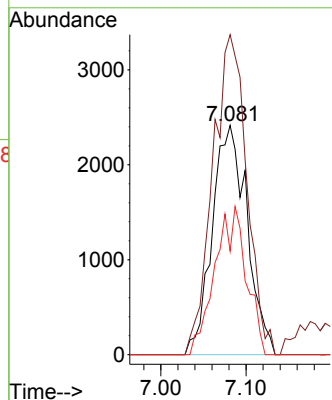
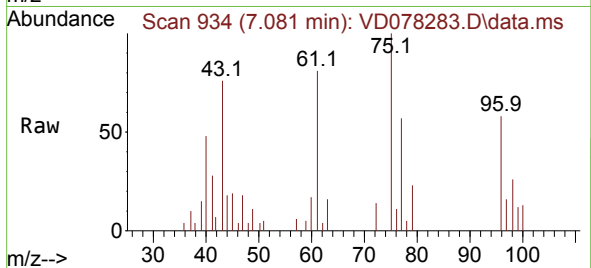
Tgt Ion: 96 Resp: 6845

Ion Ratio Lower Upper

96 100

61 136.9 0.0 239.2

98 58.3 0.0 128.6



#28

Bromochloromethane

Concen: 4.418 ug/l

RT: 7.416 min Scan# 991

Delta R.T. -0.012 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

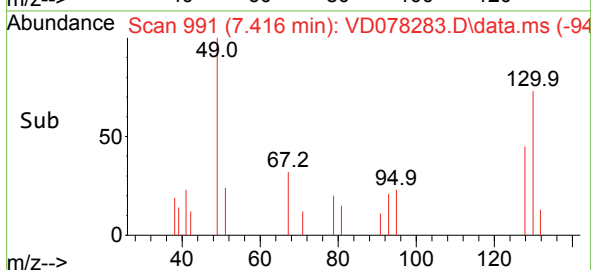
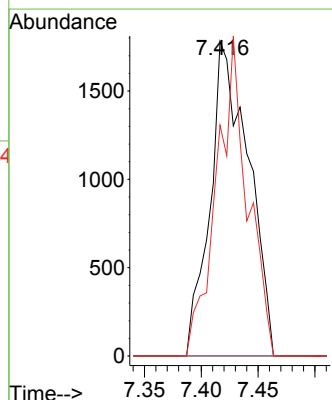
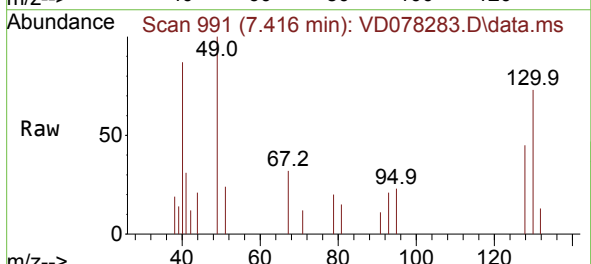
Tgt Ion: 49 Resp: 4183

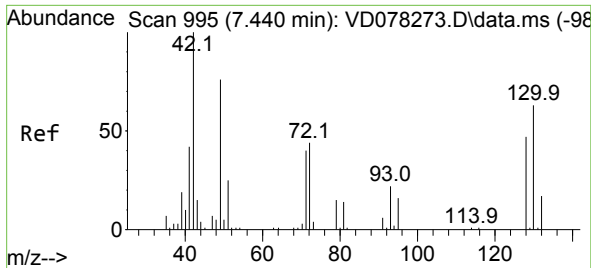
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 82.1 83.2 124.8#

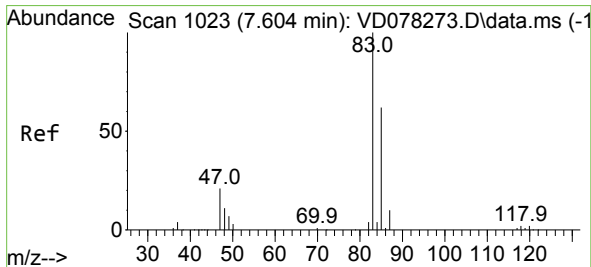
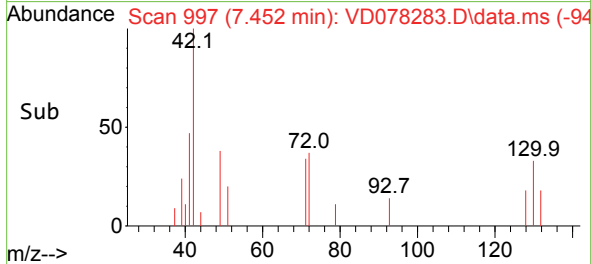
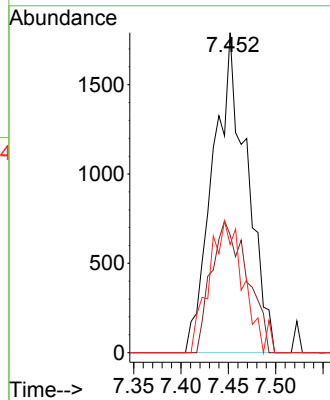
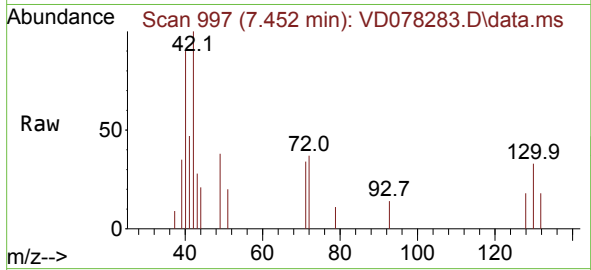




#29
Tetrahydrofuran
Concen: 20.308 ug/l
RT: 7.452 min Scan# 995
Delta R.T. 0.012 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

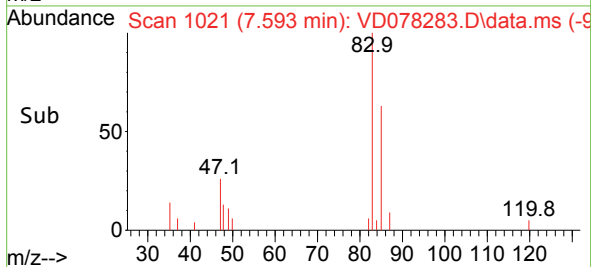
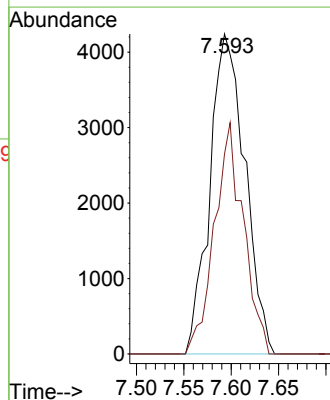
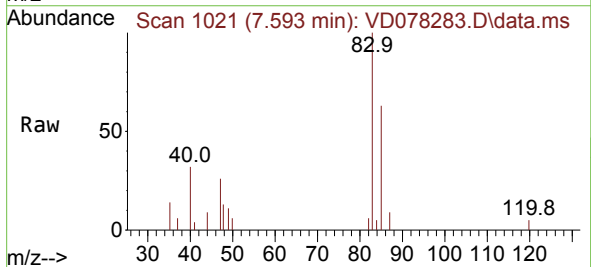
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

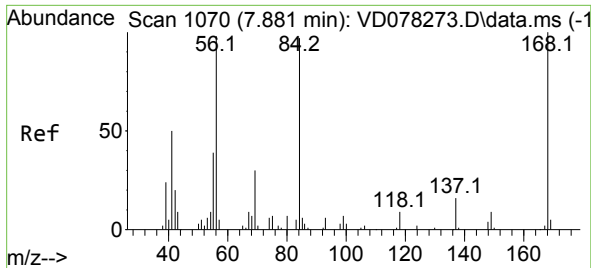
Tgt Ion:	42	Resp:	4453
Ion	Ratio	Lower	Upper
42	100		
72	43.9	46.5	69.7#
71	42.4	44.5	66.7#



#30
Chloroform
Concen: 4.029 ug/l
RT: 7.593 min Scan# 1021
Delta R.T. -0.012 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

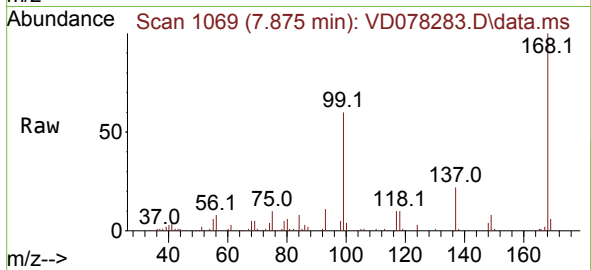
Tgt Ion:	83	Resp:	10937
Ion	Ratio	Lower	Upper
83	100		
85	62.5	53.4	80.2



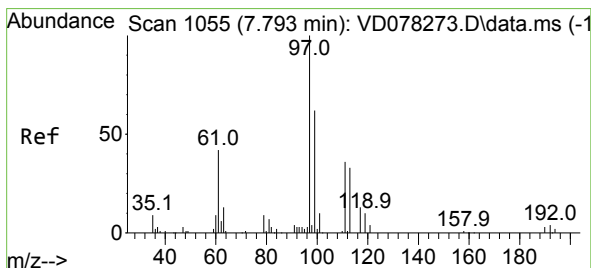
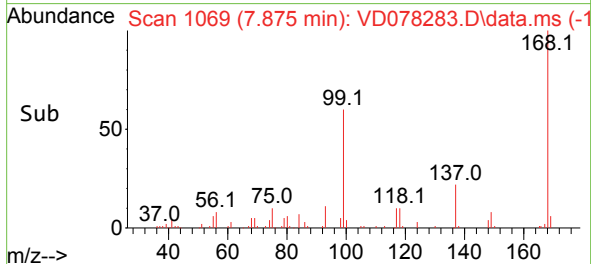
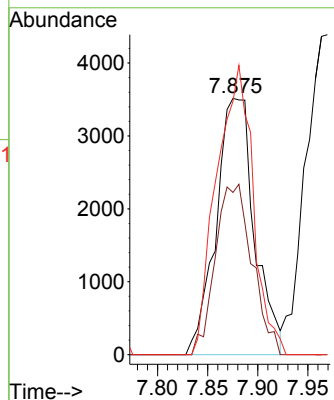


#31
Cyclohexane
Concen: 4.073 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

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

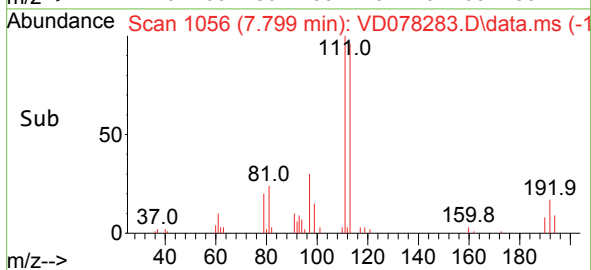
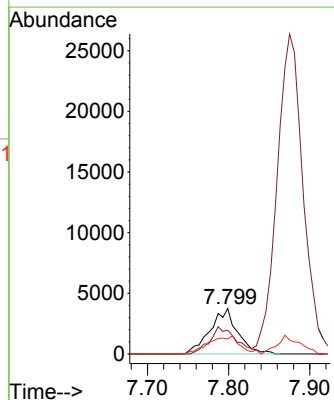
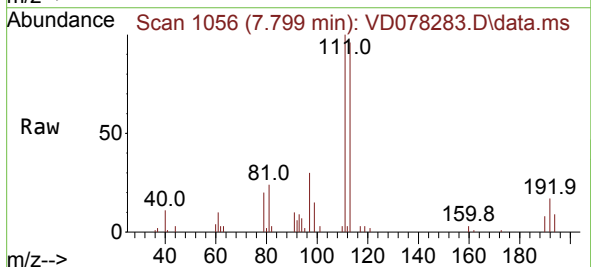


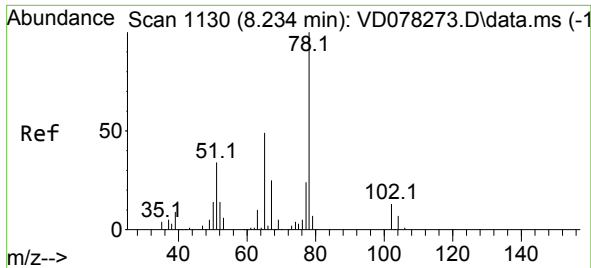
Tgt Ion: 56 Resp: 9382
Ion Ratio Lower Upper
56 100
69 63.3 28.6 43.0#
84 98.8 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 3.758 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 97 Resp: 8791
Ion Ratio Lower Upper
97 100
99 56.6 52.0 78.0
61 44.8 33.8 50.8

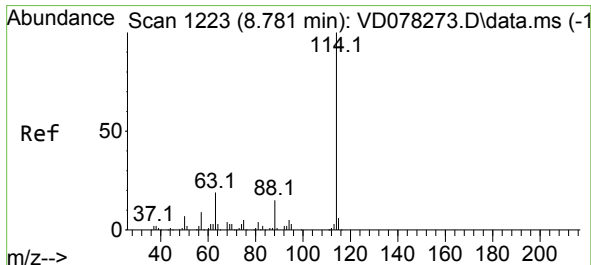
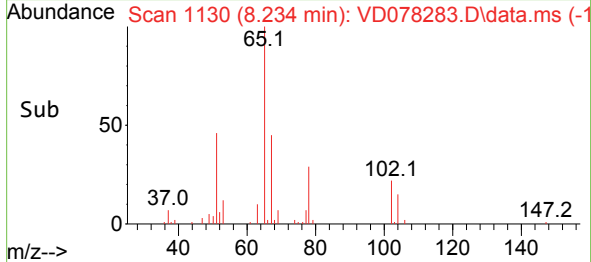
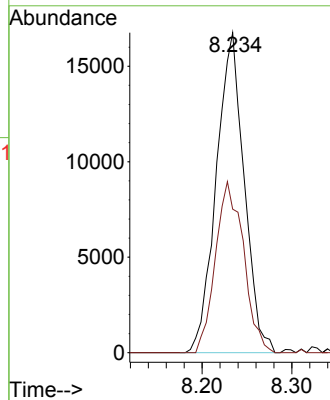
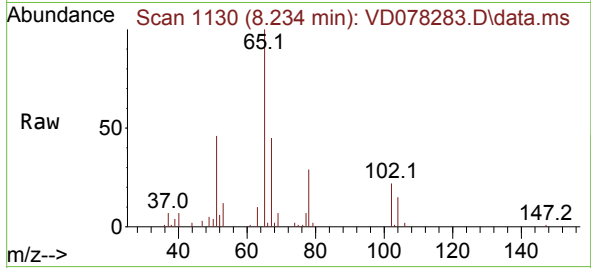




#33
 1,2-Dichloroethane-d4
 Concen: 29.394 ug/l
 RT: 8.234 min Scan# 1130
 Delta R.T. 0.000 min
 Lab File: VD078283.D
 Acq: 30 Jan 2024 17:15

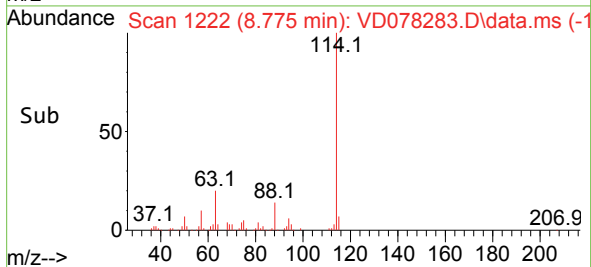
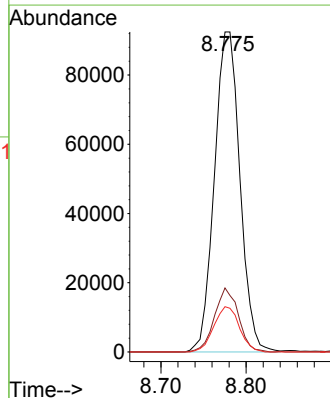
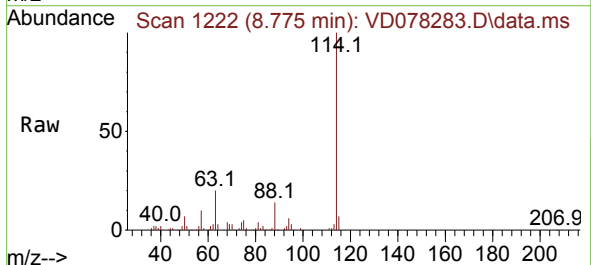
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

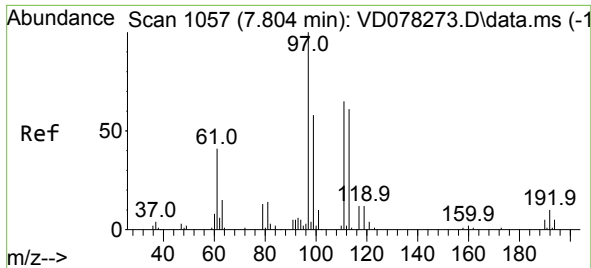
Tgt Ion: 65 Resp: 36156
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.006 min
 Lab File: VD078283.D
 Acq: 30 Jan 2024 17:15

Tgt Ion: 114 Resp: 192564
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 33.4
 88 14.1 0.0 26.2

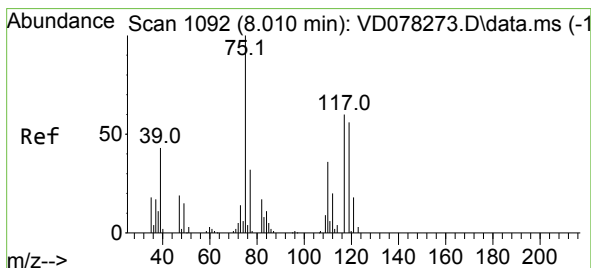
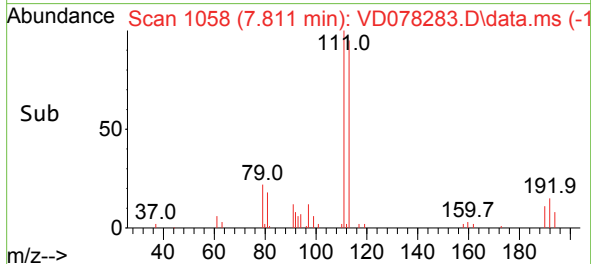
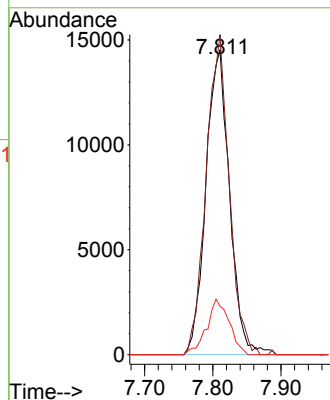
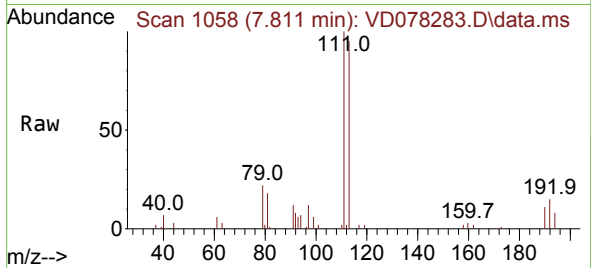




#35
Dibromofluoromethane
Concen: 25.562 ug/l
RT: 7.811 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

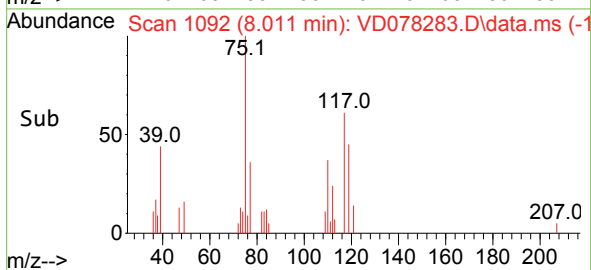
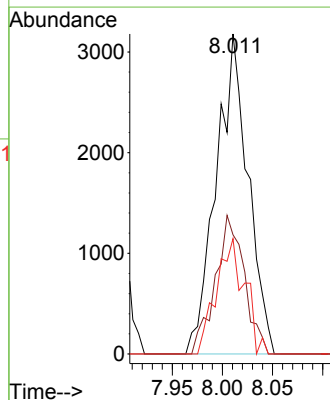
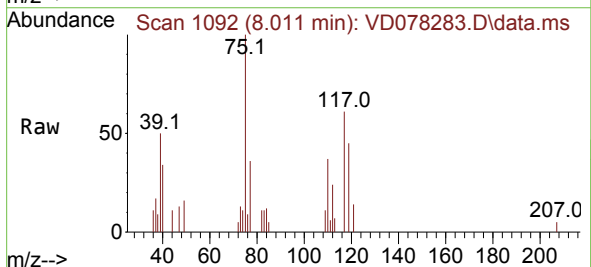
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

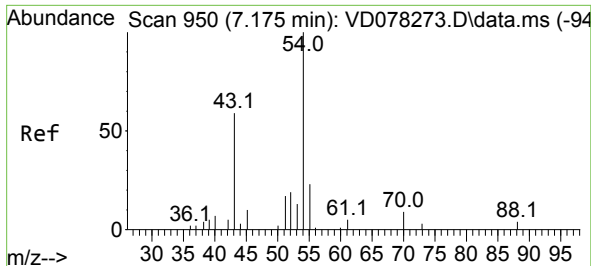
Tgt Ion:113 Resp: 35044
Ion Ratio Lower Upper
113 100
111 102.4 84.7 127.1
192 17.4 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.093 ug/l
RT: 8.011 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 75 Resp: 7032
Ion Ratio Lower Upper
75 100
110 39.3 19.9 59.6
77 32.2 24.7 37.1





#37

Ethyl Acetate

Concen: 5.894 ug/l

RT: 7.175 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

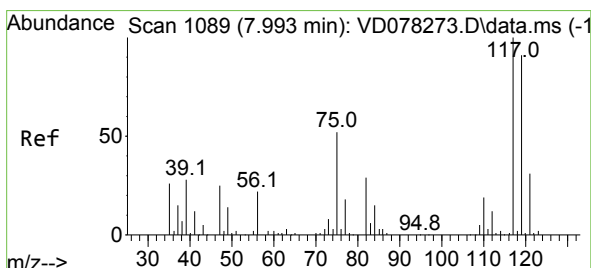
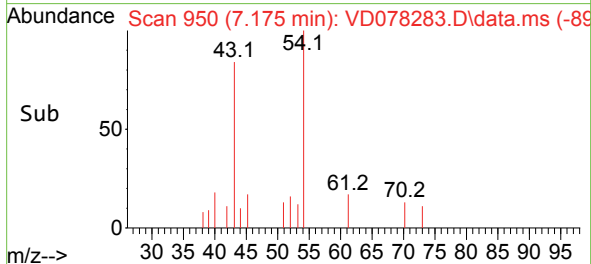
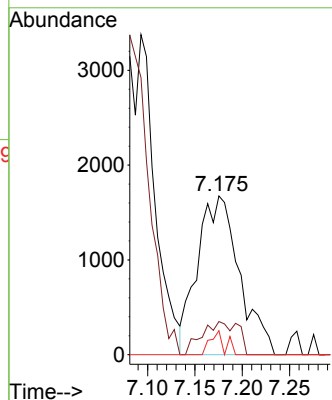
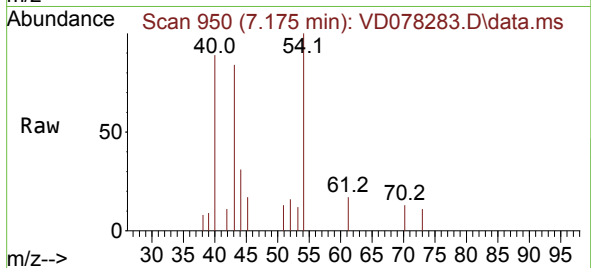
Tgt Ion: 43 Resp: 5157

Ion Ratio Lower Upper

43 100

61 18.0 14.9 22.3

70 5.2 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 3.330 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

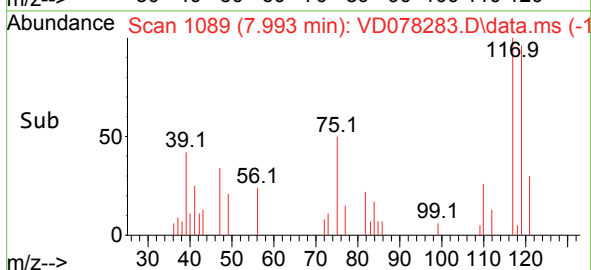
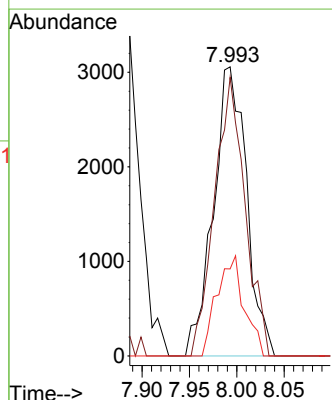
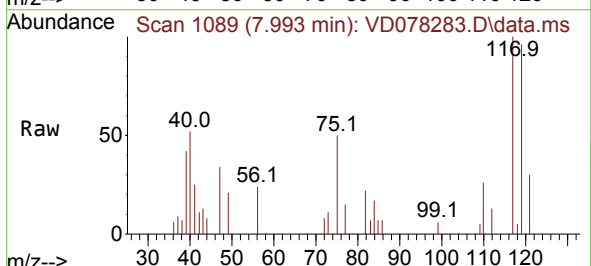
Tgt Ion: 117 Resp: 7443

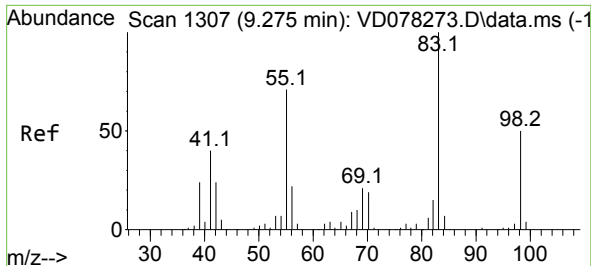
Ion Ratio Lower Upper

117 100

119 96.4 78.0 117.0

121 30.1 24.2 36.2





#39

Methylcyclohexane

Concen: 3.331 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

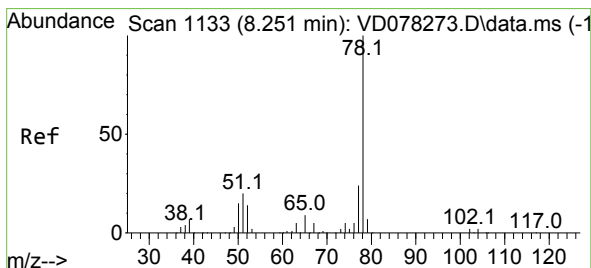
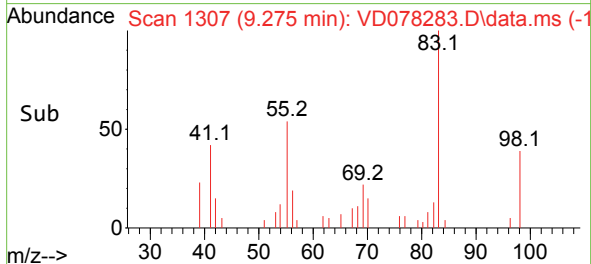
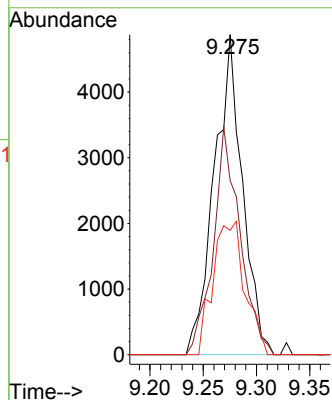
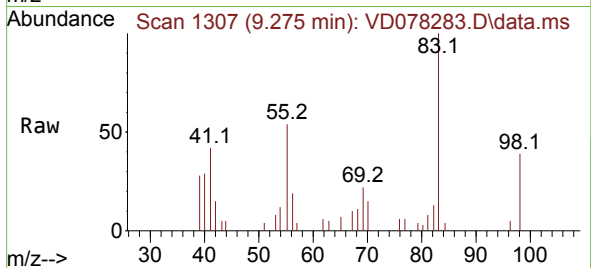
Tgt Ion: 83 Resp: 8952

Ion Ratio Lower Upper

83 100

55 54.4 49.4 74.0

98 38.8 38.4 57.6



#40

Benzene

Concen: 3.403 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD078283.D

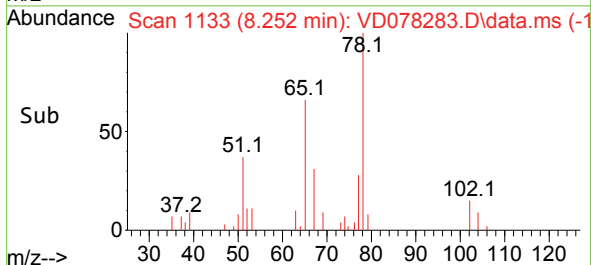
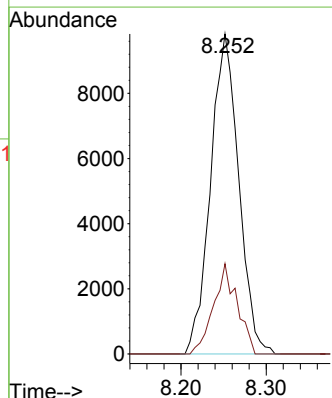
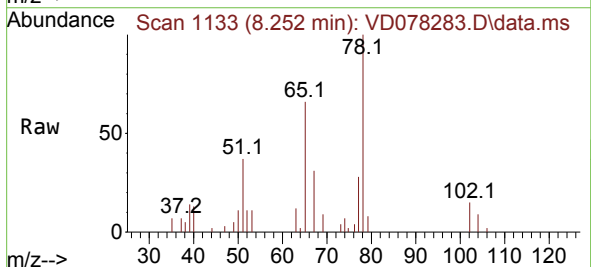
Acq: 30 Jan 2024 17:15

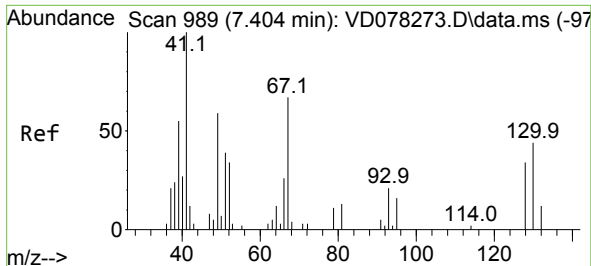
Tgt Ion: 78 Resp: 22574

Ion Ratio Lower Upper

78 100

77 28.2 19.4 29.0

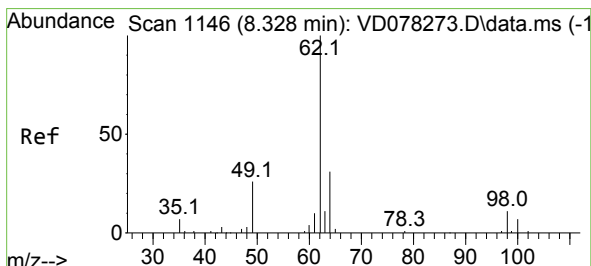
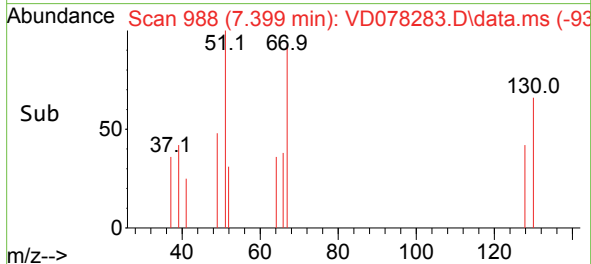
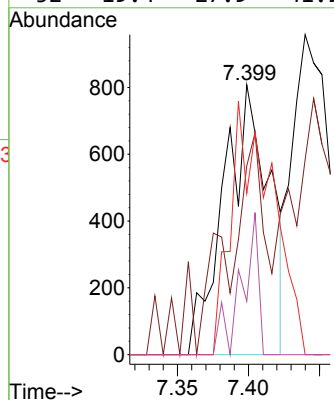
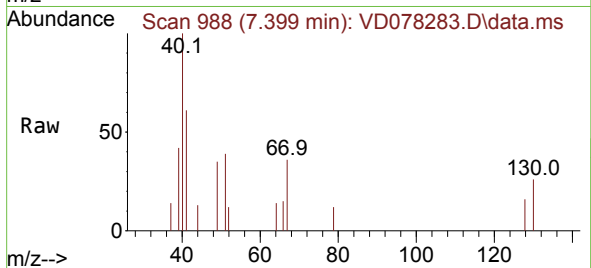




#41
Methacrylonitrile
Concen: 3.848 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

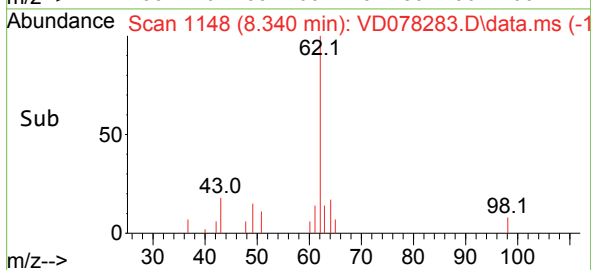
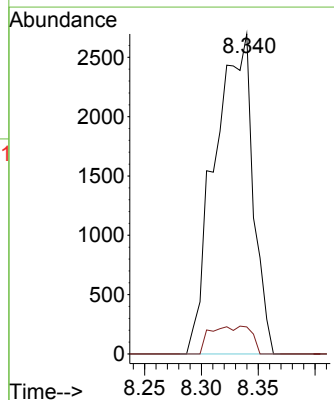
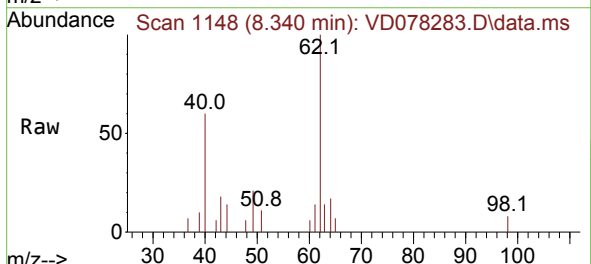
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

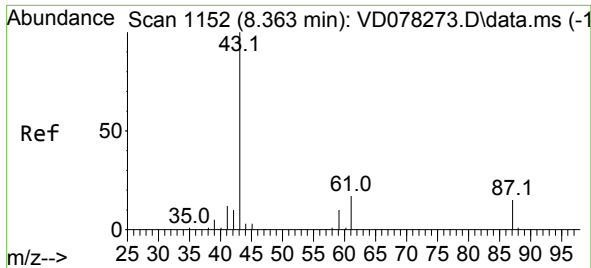
Tgt Ion:	41	Resp:	1810
Ion	Ratio	Lower	Upper
41	100		
39	42.6	34.0	51.0
67	85.1	77.0	115.4
52	19.4	27.9	41.9



#42
1,2-Dichloroethane
Concen: 3.655 ug/l
RT: 8.340 min Scan# 1148
Delta R.T. 0.012 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion:	62	Resp:	6288
Ion	Ratio	Lower	Upper
62	100		
98	5.8	0.0	25.4

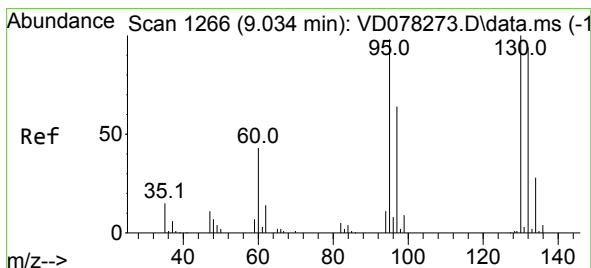
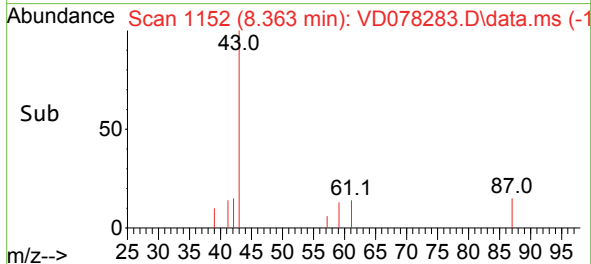
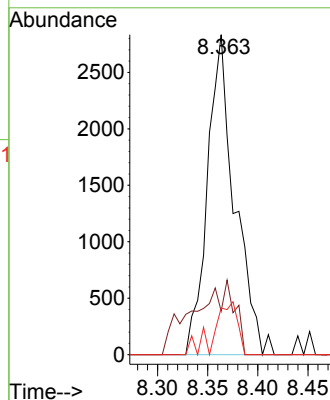
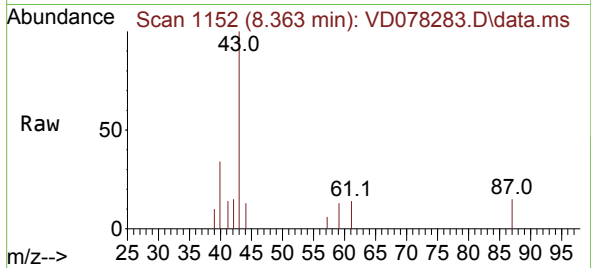




#43
Isopropyl Acetate
Concen: 3.429 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

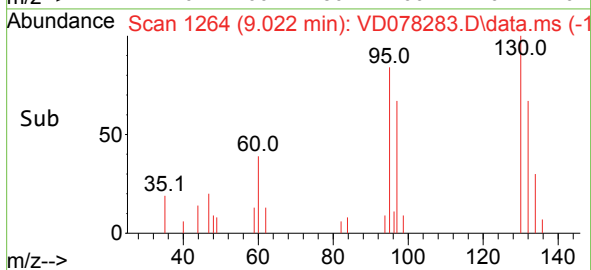
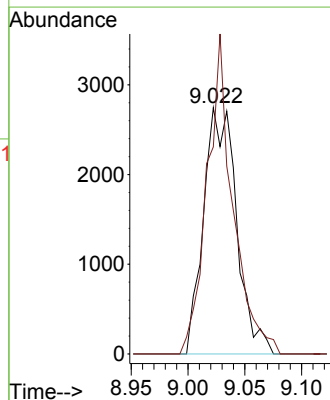
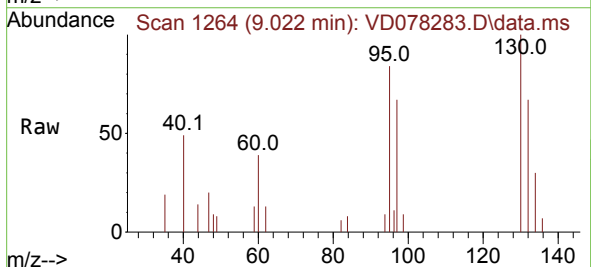
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

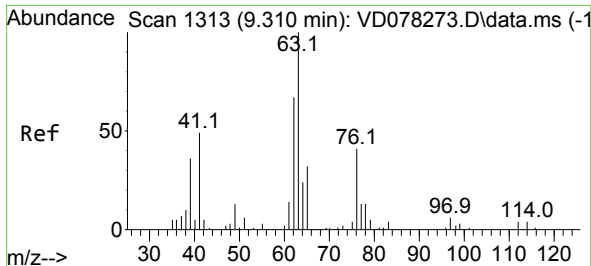
Tgt Ion: 43 Resp: 5380
Ion Ratio Lower Upper
43 100
61 25.0 31.4 47.0#
87 13.0 14.9 22.3#



#44
Trichloroethene
Concen: 3.398 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.012 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion:130 Resp: 5535
Ion Ratio Lower Upper
130 100
95 84.1 0.0 179.2





#45

1,2-Dichloropropane

Concen: 3.569 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

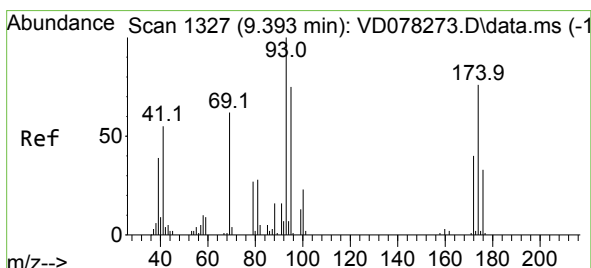
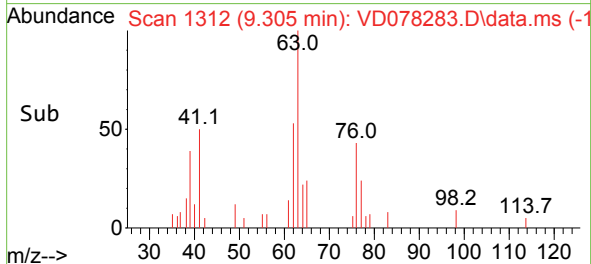
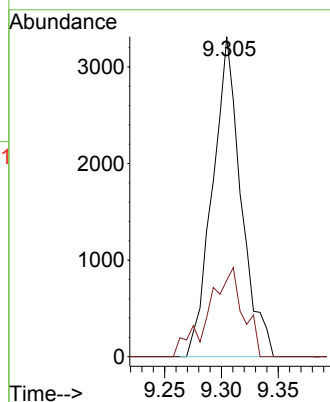
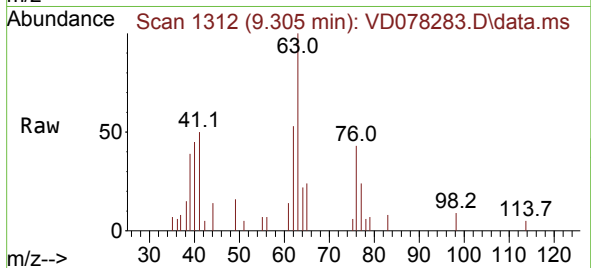
MDL-SOIL-03-QT1-2024

Tgt Ion: 63 Resp: 5789

Ion Ratio Lower Upper

63 100

65 23.9 24.5 36.7#



#46

Dibromomethane

Concen: 3.802 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

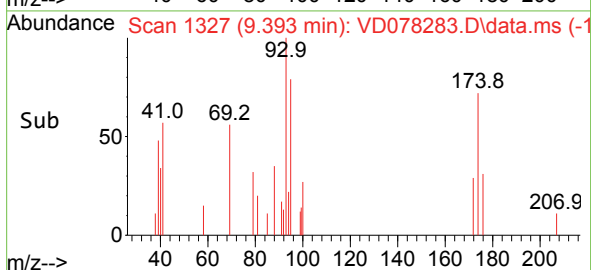
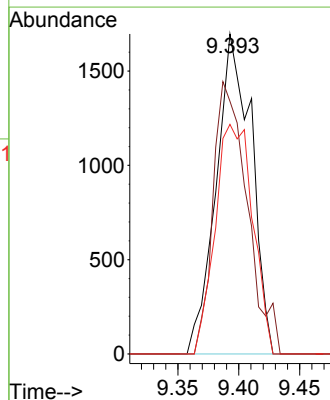
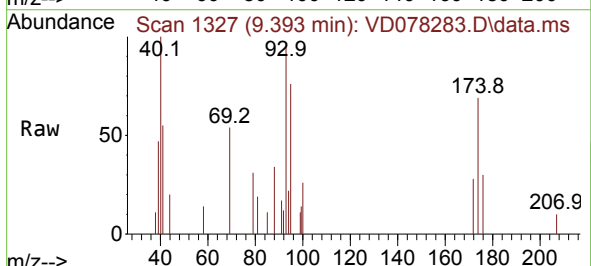
Tgt Ion: 93 Resp: 3421

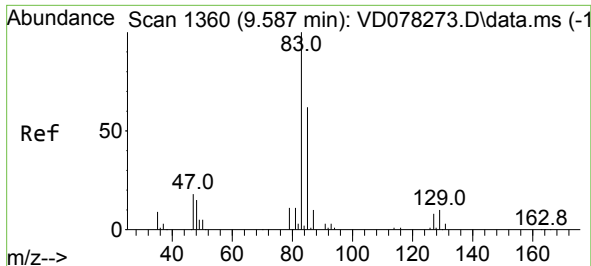
Ion Ratio Lower Upper

93 100

95 82.3 67.7 101.5

174 76.5 85.4 128.2#

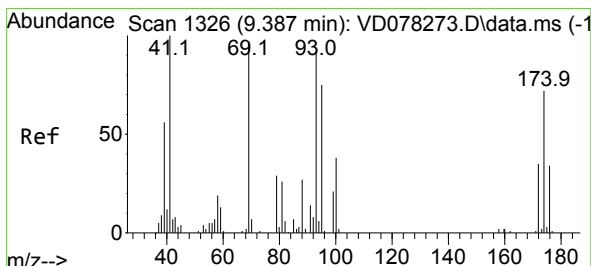
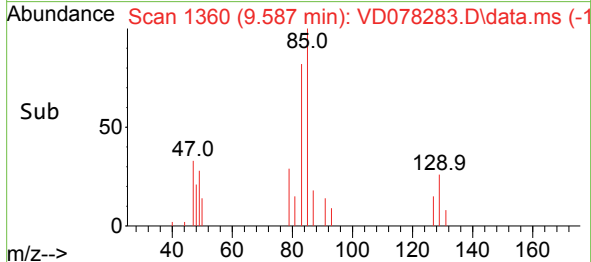
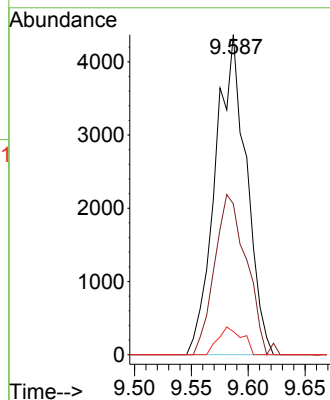
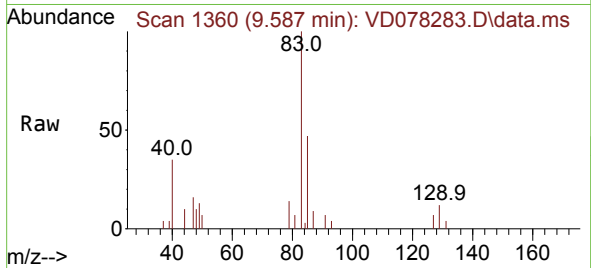




#47
Bromodichloromethane
Concen: 3.752 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

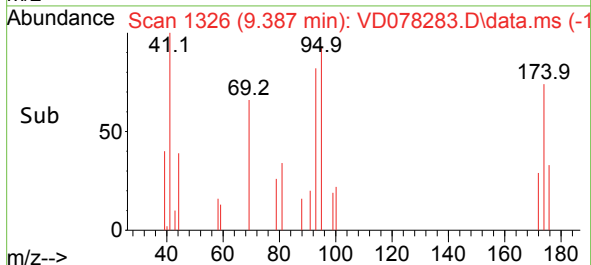
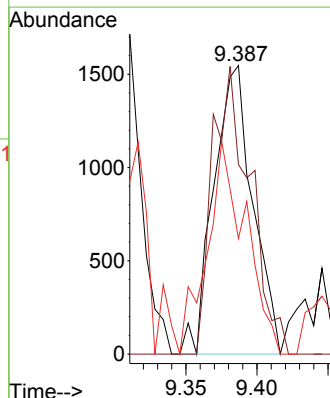
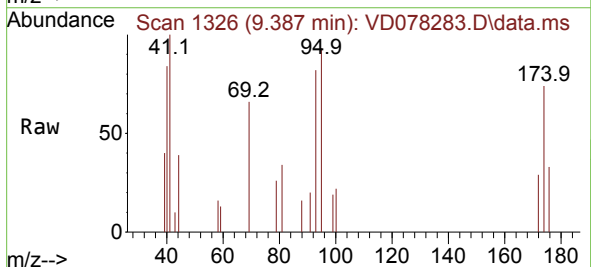
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

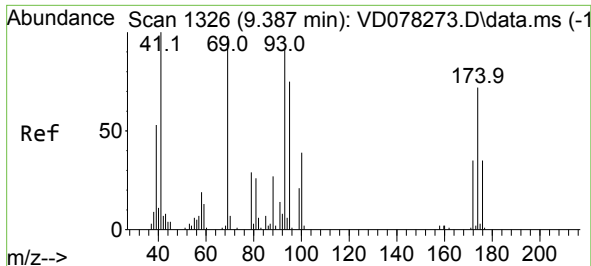
Tgt Ion: 83 Resp: 8306
Ion Ratio Lower Upper
83 100
85 47.2 50.2 75.4#
127 7.2 6.3 9.5



#48
Methyl methacrylate
Concen: 3.947 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 41 Resp: 2959
Ion Ratio Lower Upper
41 100
69 96.4 102.2 153.2#
39 73.2 41.4 62.2#





#49

1,4-Dioxane

Concen: 72.222 ug/l

RT: 9.393 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD078283.D

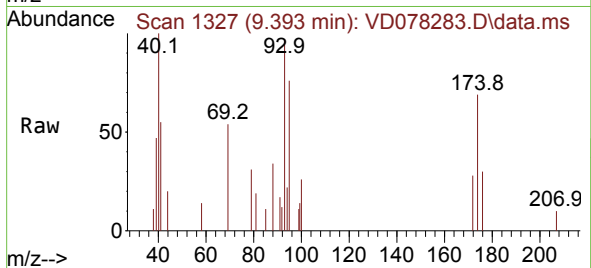
Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024



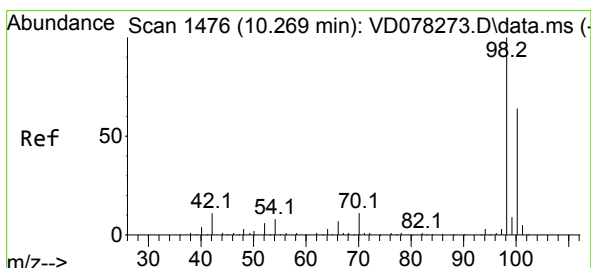
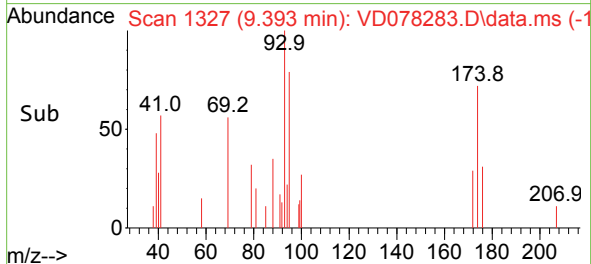
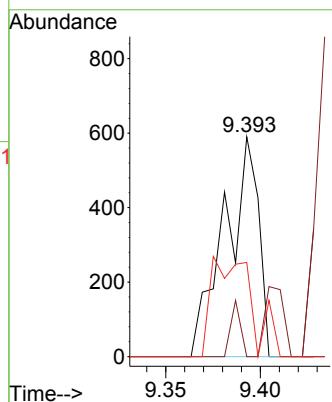
Tgt Ion: 88 Resp: 729

Ion Ratio Lower Upper

88 100

43 17.8 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 25.588 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078283.D

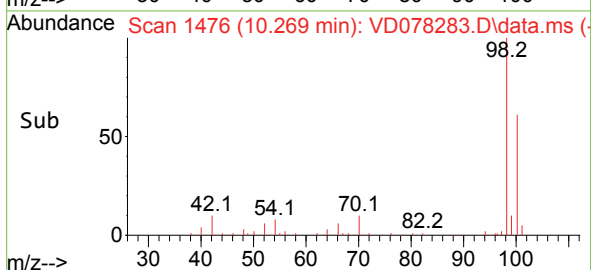
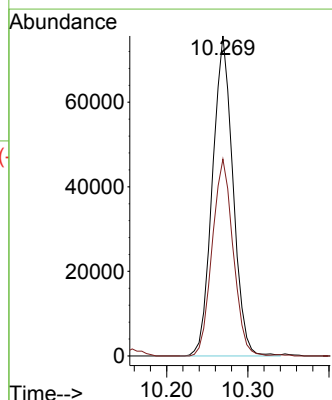
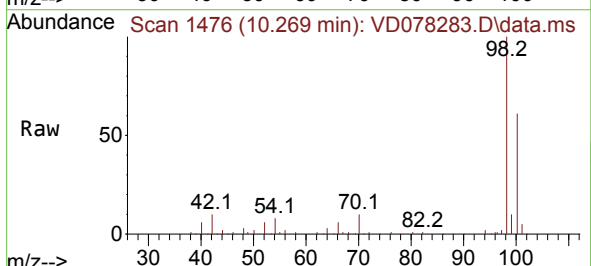
Acq: 30 Jan 2024 17:15

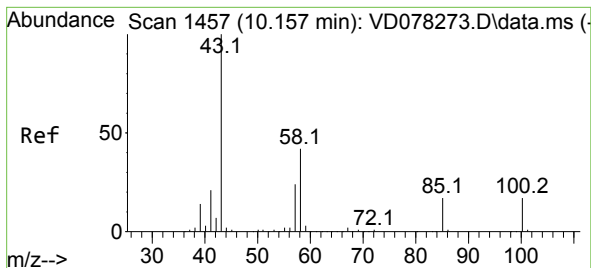
Tgt Ion: 98 Resp: 132809

Ion Ratio Lower Upper

98 100

100 62.8 50.3 75.5

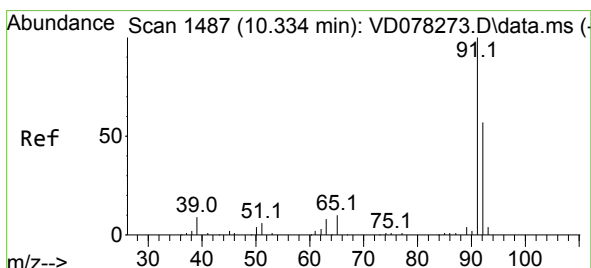
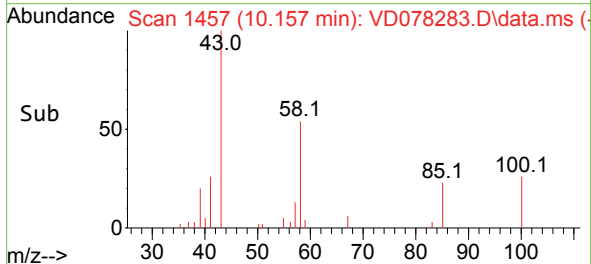
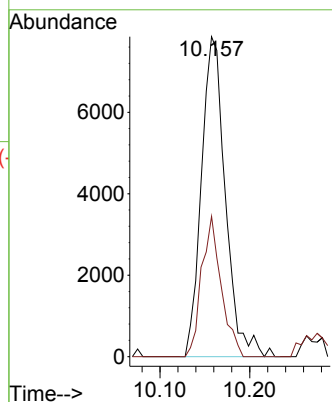
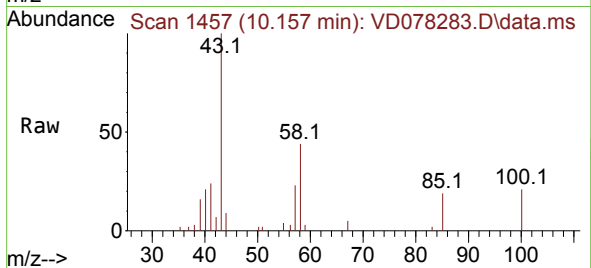




#51
4-Methyl-2-Pentanone
Concen: 17.171 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

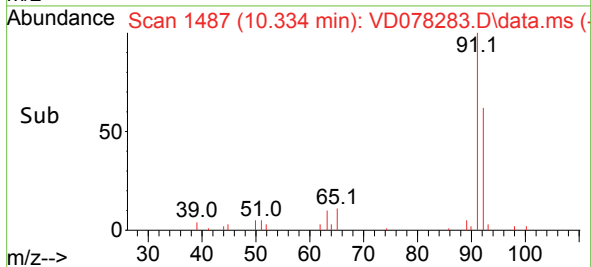
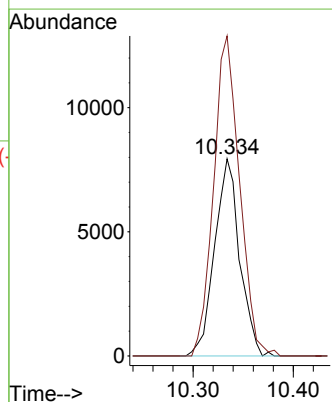
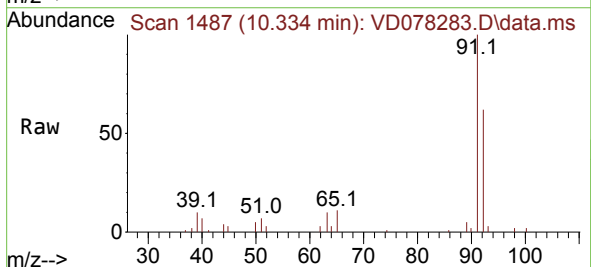
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

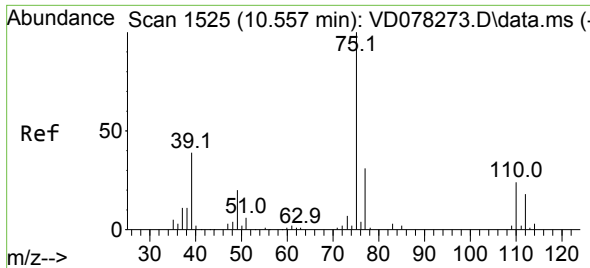
Tgt Ion: 43 Resp: 14572
Ion Ratio Lower Upper
43 100
58 35.9 38.9 58.3#



#52
Toluene
Concen: 3.419 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 92 Resp: 13754
Ion Ratio Lower Upper
92 100
91 168.6 143.0 214.4

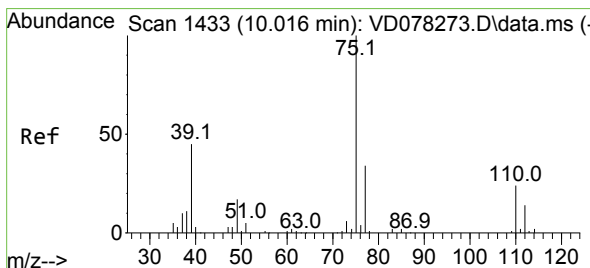
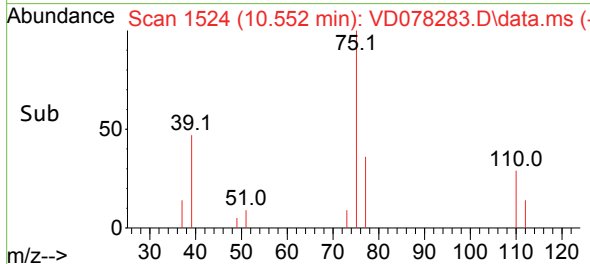
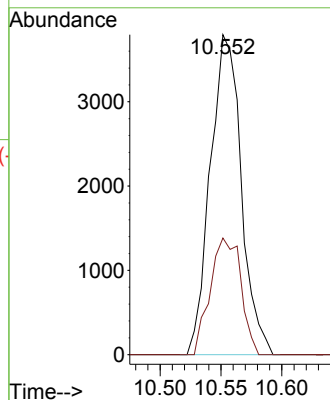
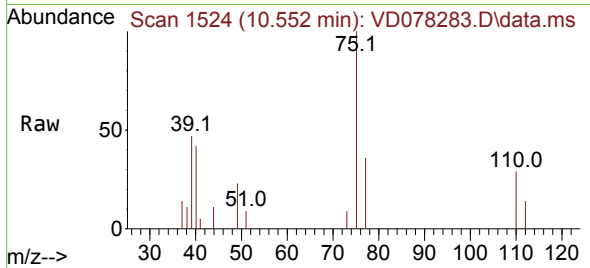




#53
 t-1,3-Dichloropropene
 Concen: 3.238 ug/l
 RT: 10.552 min Scan# 1524
 Delta R.T. -0.006 min
 Lab File: VD078283.D
 Acq: 30 Jan 2024 17:15

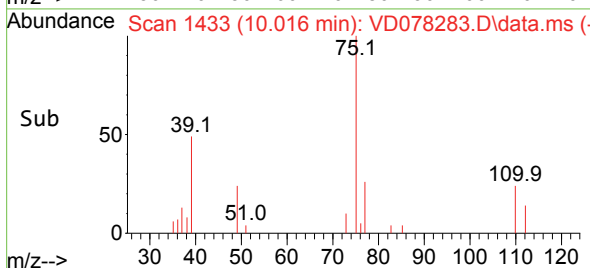
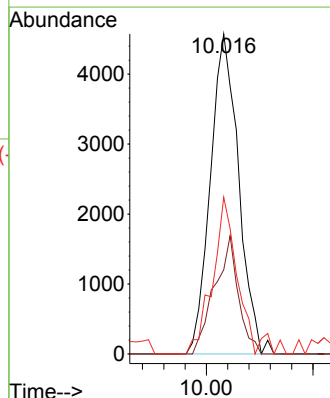
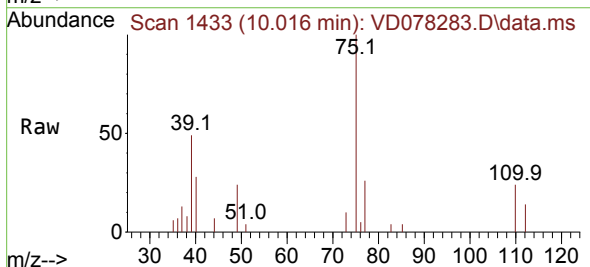
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

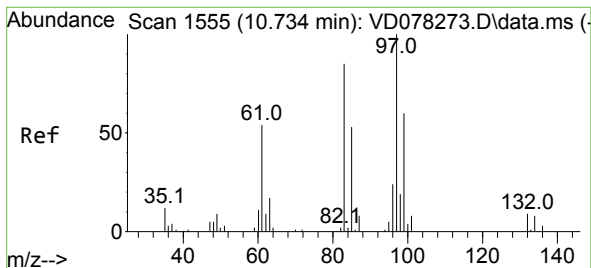
Tgt Ion: 75 Resp: 6695
 Ion Ratio Lower Upper
 75 100
 77 36.5 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 3.437 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD078283.D
 Acq: 30 Jan 2024 17:15

Tgt Ion: 75 Resp: 8413
 Ion Ratio Lower Upper
 75 100
 77 26.3 25.5 38.3
 39 49.0 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 3.716 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 97 Resp: 4364

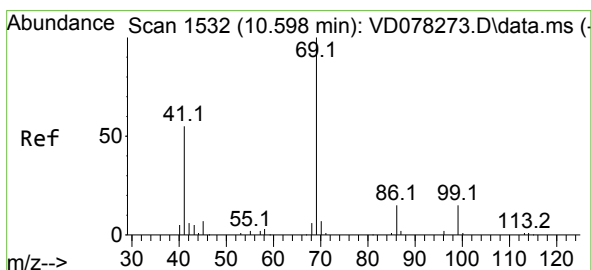
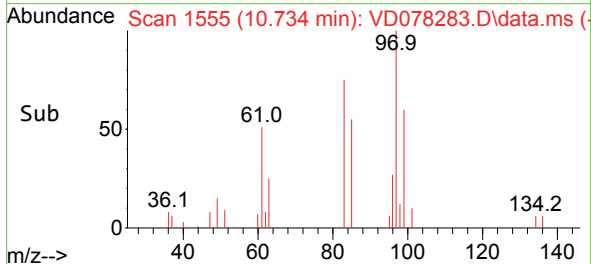
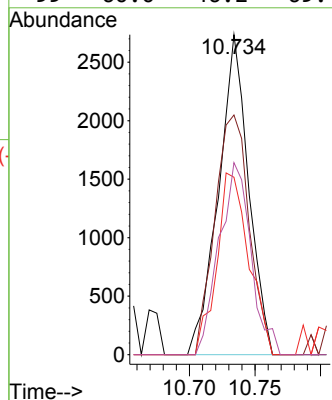
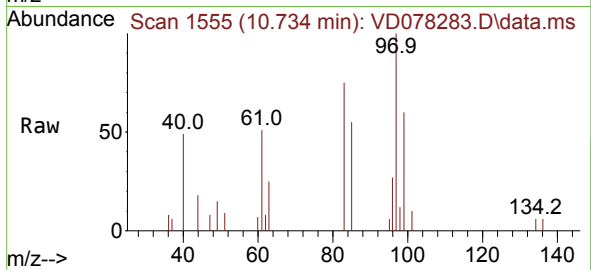
Ion Ratio Lower Upper

97 100

83 74.9 65.8 98.6

85 55.5 45.7 68.5

99 60.0 46.2 69.4



#56

Ethyl methacrylate

Concen: 1.879 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

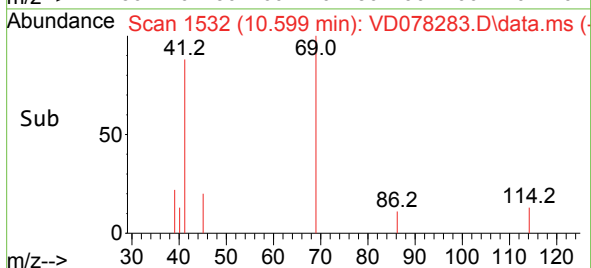
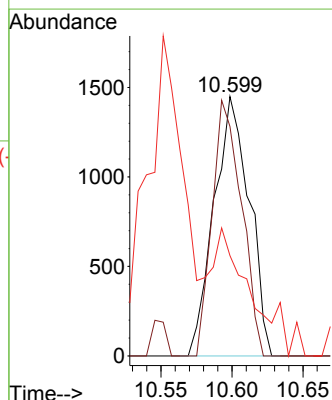
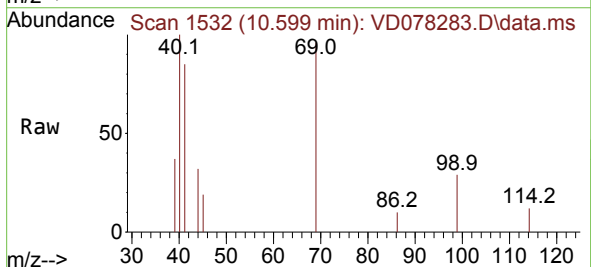
Tgt Ion: 69 Resp: 2502

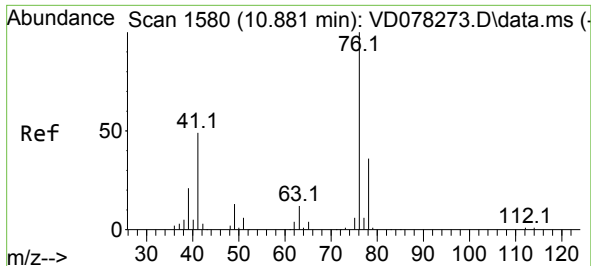
Ion Ratio Lower Upper

69 100

41 82.1 39.1 58.7#

39 53.8 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 3.738 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

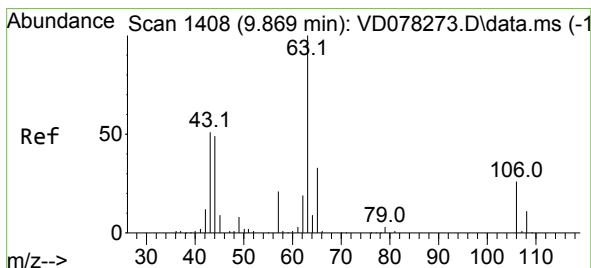
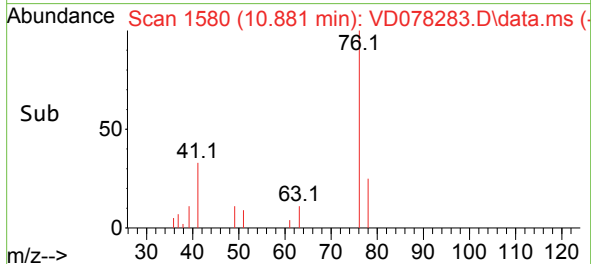
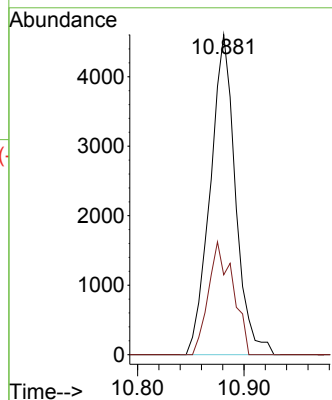
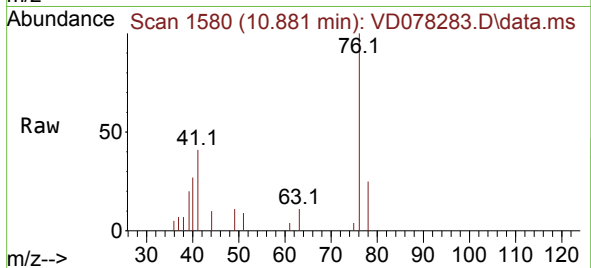
MDL-SOIL-03-QT1-2024

Tgt Ion: 76 Resp: 7568

Ion Ratio Lower Upper

76 100

78 34.3 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 18.736 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078283.D

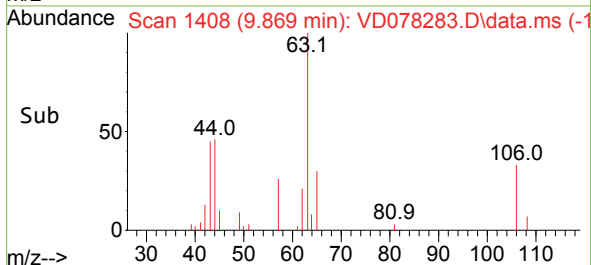
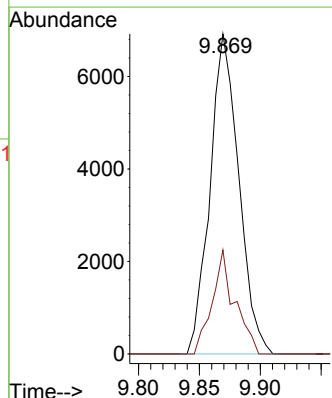
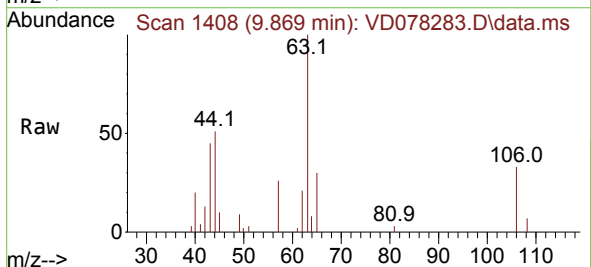
Acq: 30 Jan 2024 17:15

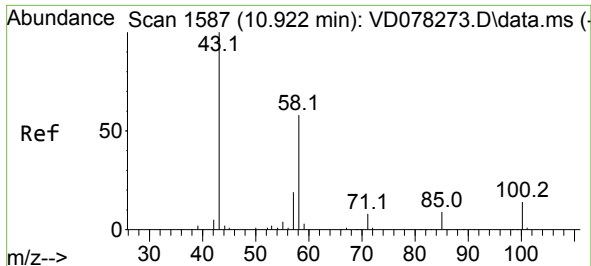
Tgt Ion: 63 Resp: 11348

Ion Ratio Lower Upper

63 100

106 25.5 25.3 37.9

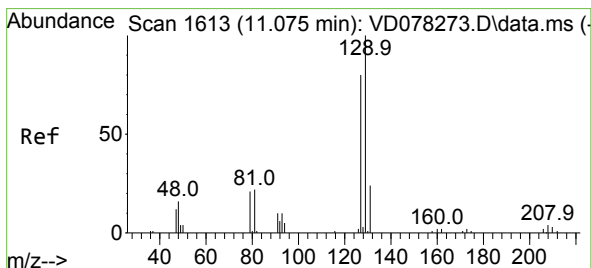
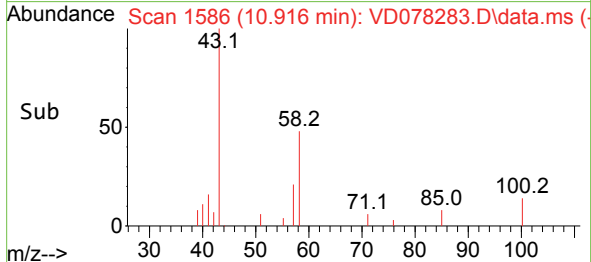
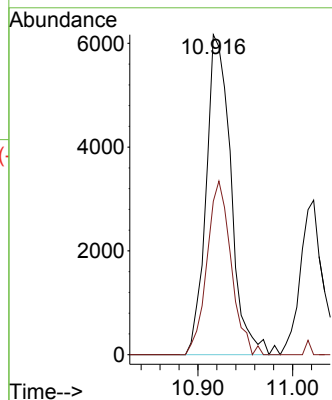
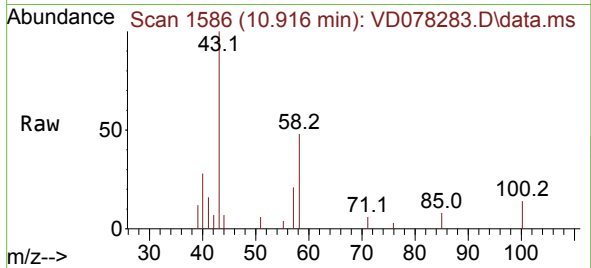




#59
2-Hexanone
Concen: 17.550 ug/l
RT: 10.916 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

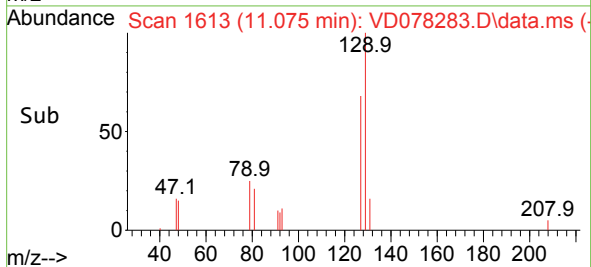
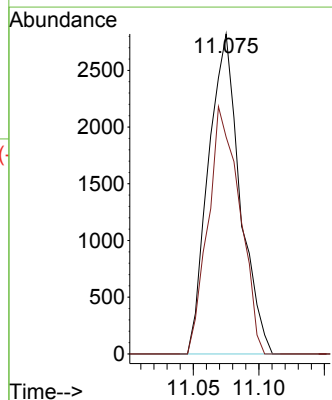
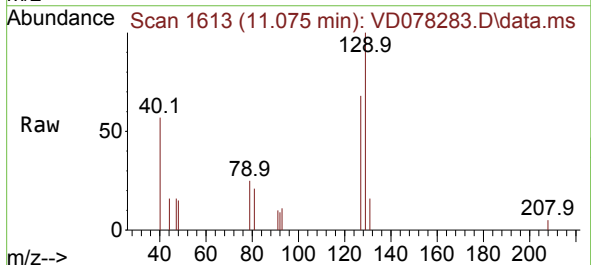
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

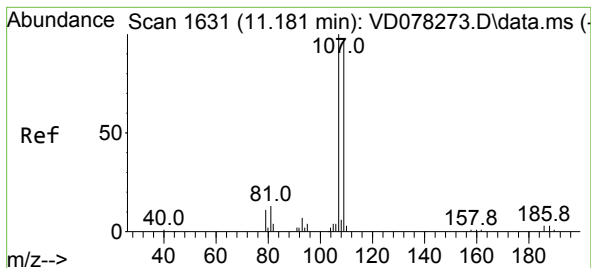
Tgt Ion: 43 Resp: 11217
Ion Ratio Lower Upper
43 100
58 52.8 34.1 102.2



#60
Dibromochloromethane
Concen: 3.477 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 129 Resp: 4739
Ion Ratio Lower Upper
129 100
127 77.4 37.1 111.5





#61

1,2-Dibromoethane

Concen: 3.642 ug/l

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

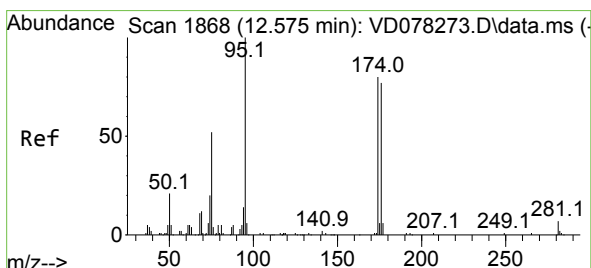
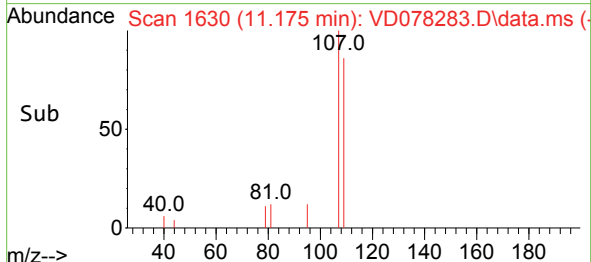
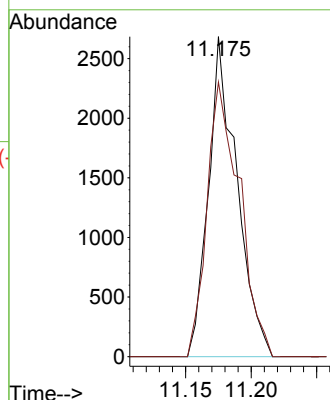
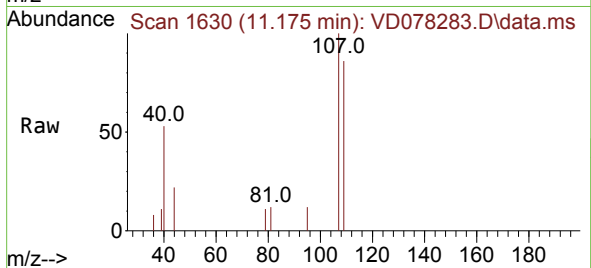
MDL-SOIL-03-QT1-2024

Tgt Ion:107 Resp: 4038

Ion Ratio Lower Upper

107 100

109 98.1 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 23.948 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

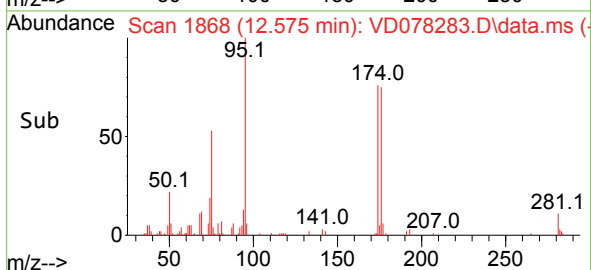
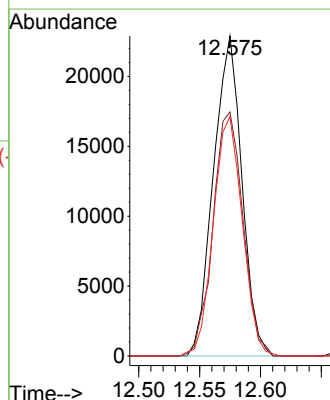
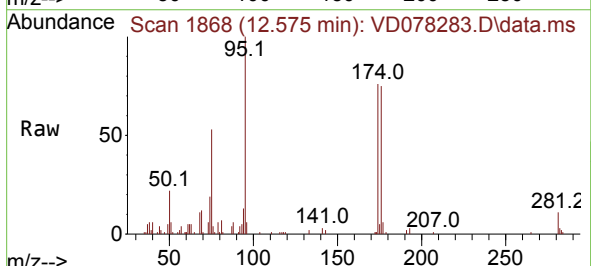
Tgt Ion: 95 Resp: 37224

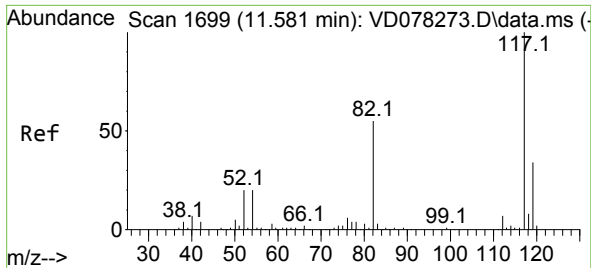
Ion Ratio Lower Upper

95 100

174 80.2 0.0 201.8

176 76.1 0.0 191.8

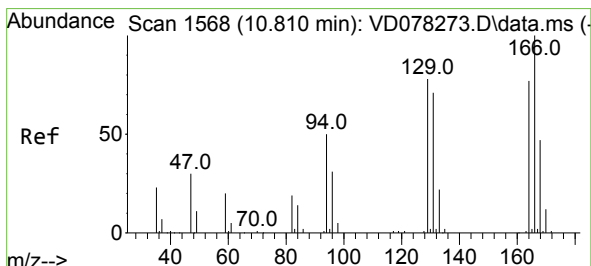
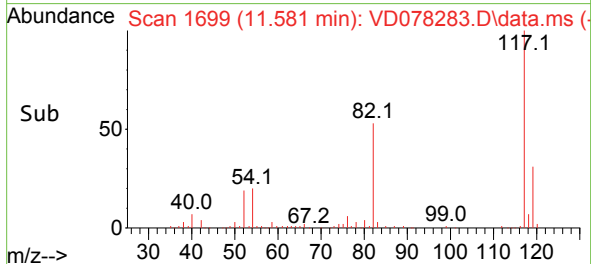
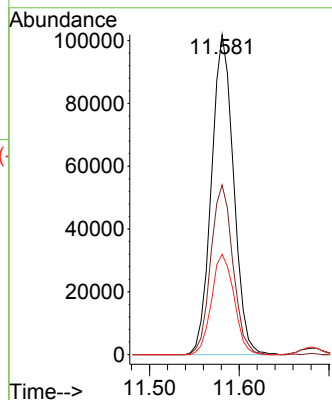
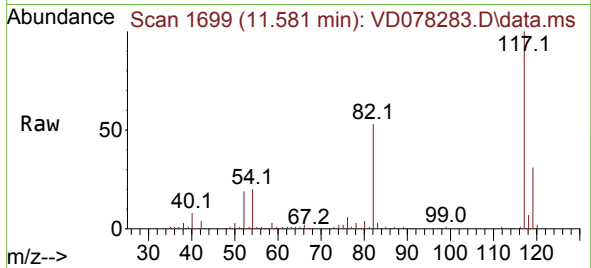




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

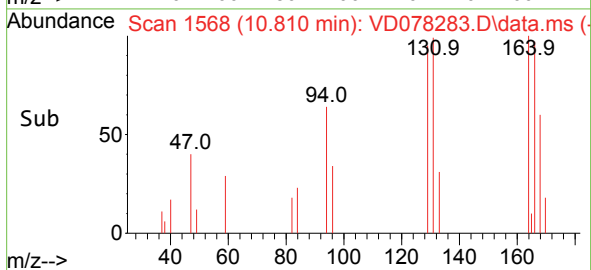
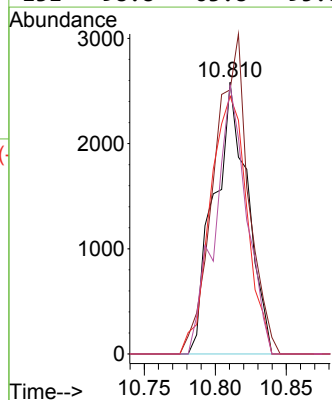
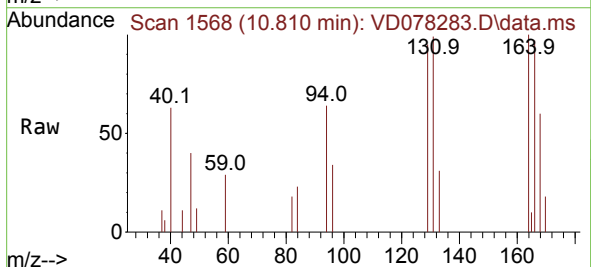
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

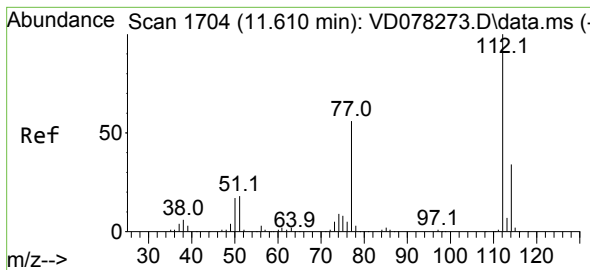
Tgt Ion:117 Resp: 174315
Ion Ratio Lower Upper
117 100
82 53.1 38.3 57.5
119 31.4 25.0 37.4



#64
Tetrachloroethene
Concen: 3.494 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion:164 Resp: 4248
Ion Ratio Lower Upper
164 100
166 97.2 99.2 148.8#
129 94.9 68.4 102.6
131 98.8 63.8 95.8#

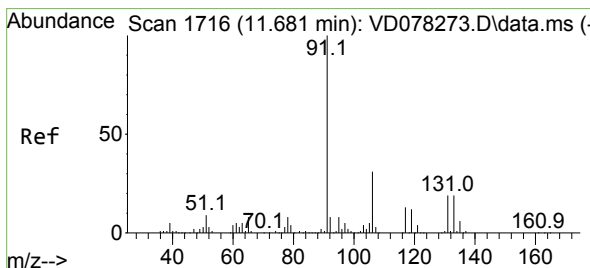
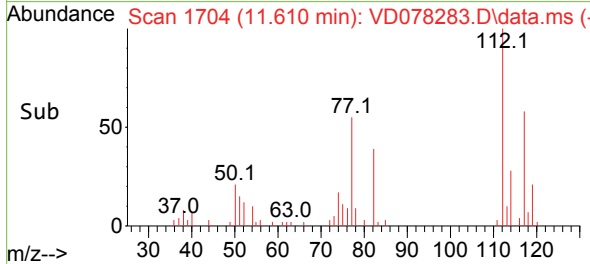
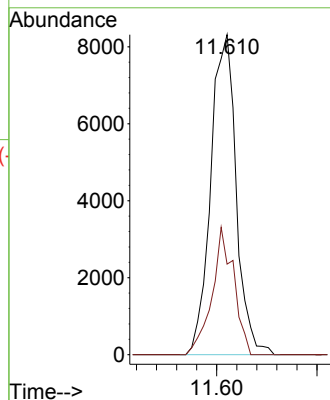
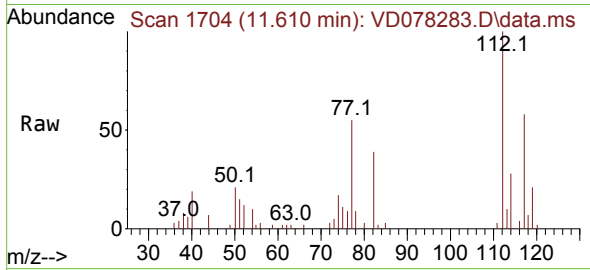




#65
Chlorobenzene
Concen: 3.509 ug/l
RT: 11.610 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

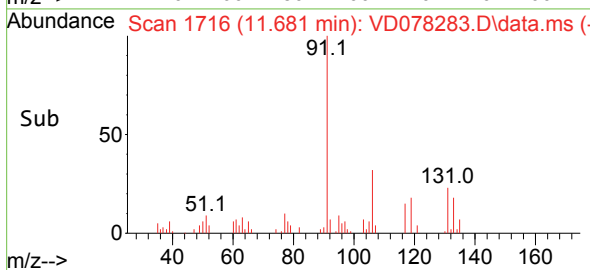
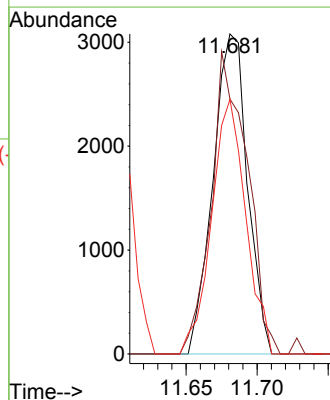
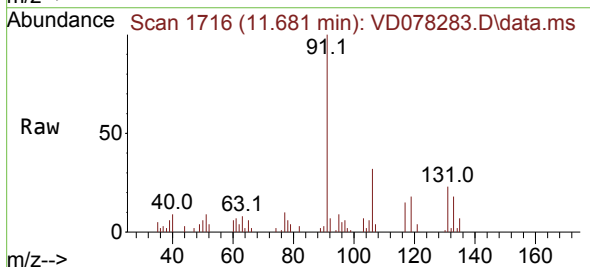
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

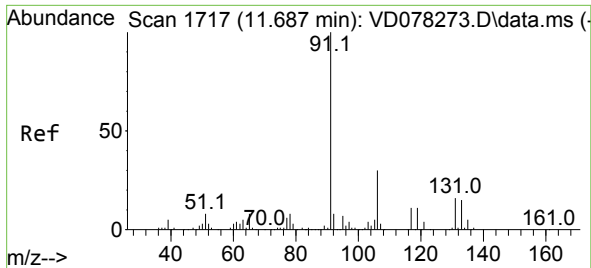
Tgt Ion:112 Resp: 14632
Ion Ratio Lower Upper
112 100
114 28.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 3.505 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion:131 Resp: 5204
Ion Ratio Lower Upper
131 100
133 98.4 48.5 145.5
119 79.0 35.6 106.9

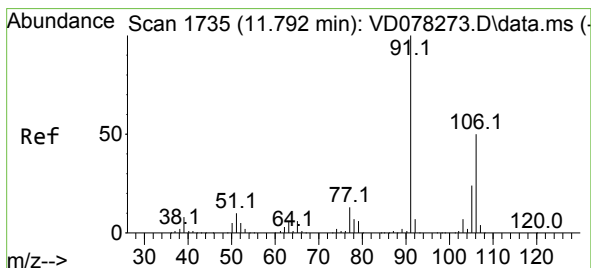
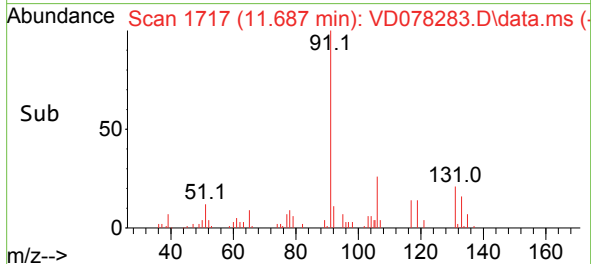
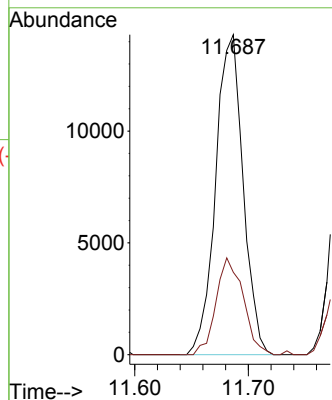
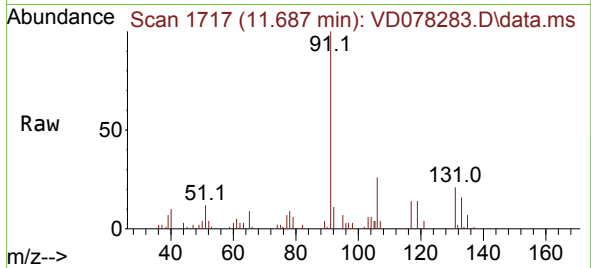




#67
Ethyl Benzene
Concen: 3.184 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

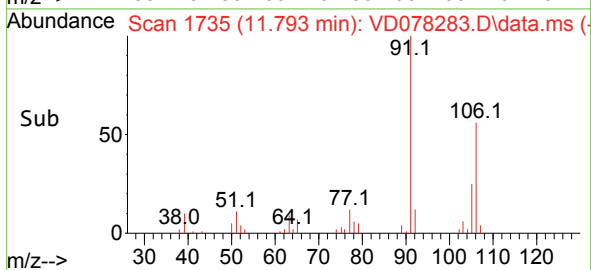
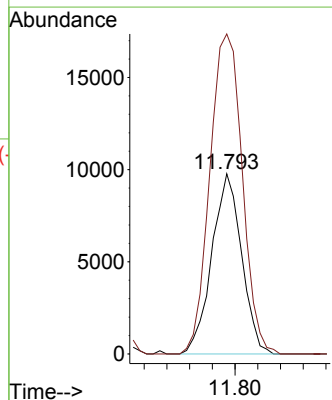
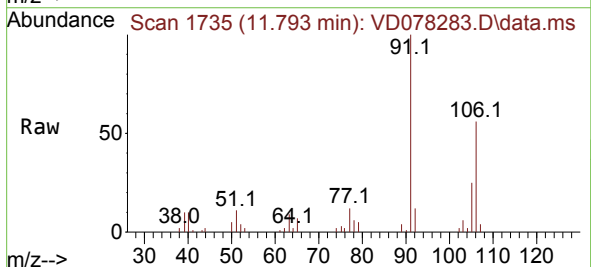
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

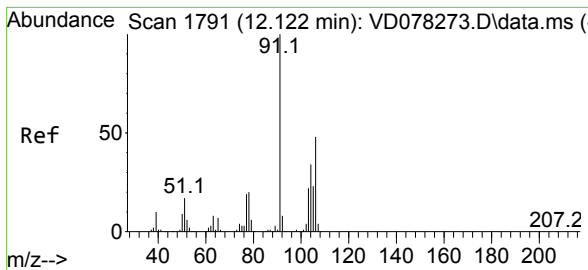
Tgt Ion: 91 Resp: 24054
Ion Ratio Lower Upper
91 100
106 25.7 26.5 39.7#



#68
m/p-Xylenes
Concen: 6.127 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 106 Resp: 17807
Ion Ratio Lower Upper
106 100
91 193.5 147.0 220.6

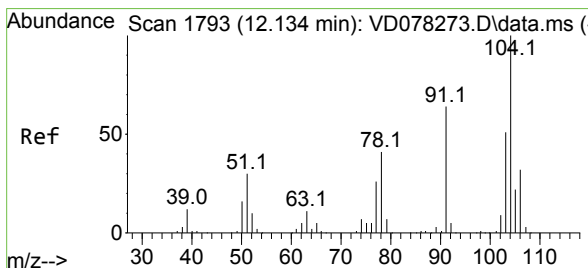
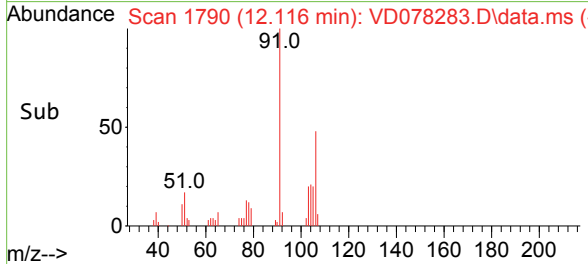
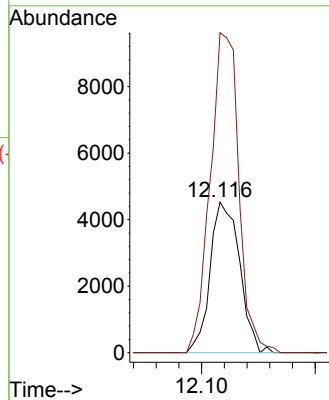
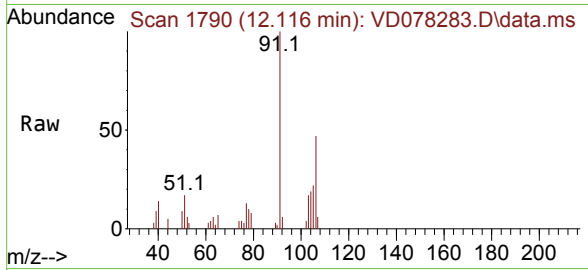




#69
o-Xylene
Concen: 3.051 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

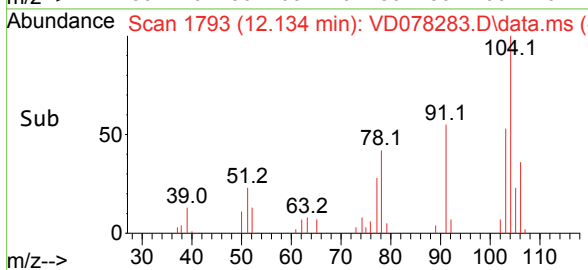
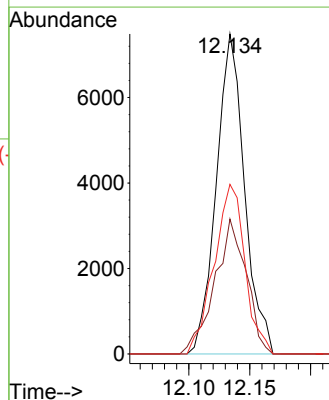
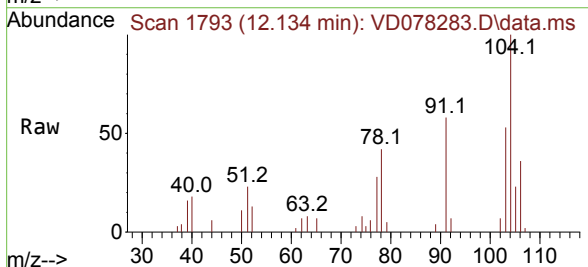
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

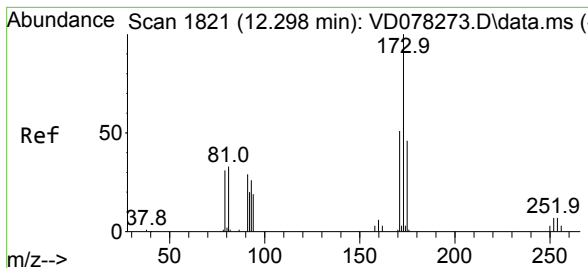
Tgt Ion:106 Resp: 8149
Ion Ratio Lower Upper
106 100
91 206.7 97.9 293.6



#70
Styrene
Concen: 2.646 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion:104 Resp: 12071
Ion Ratio Lower Upper
104 100
78 47.2 33.2 49.8
103 58.0 43.6 65.4





#71

Bromoform

Concen: 3.659 ug/l

RT: 12.299 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

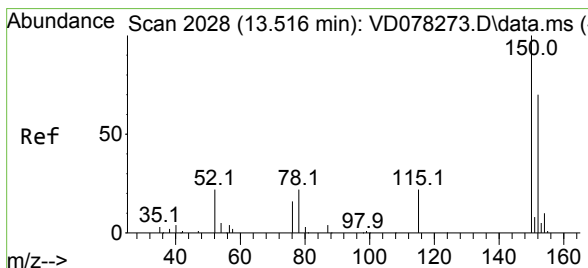
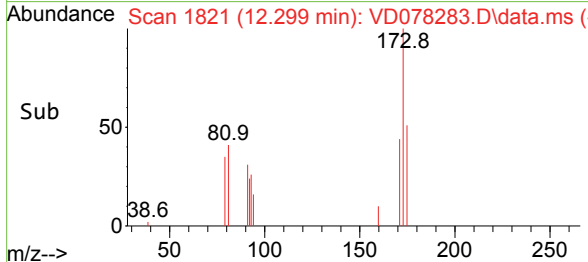
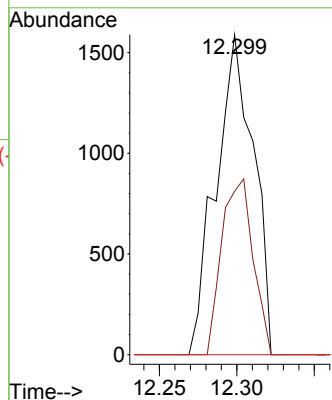
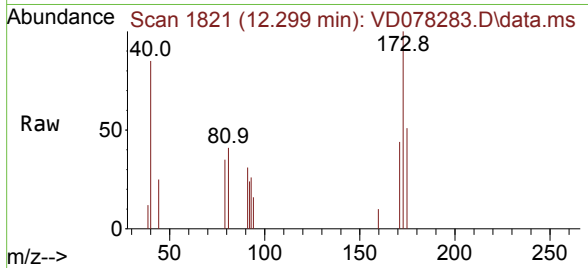
Tgt Ion:173 Resp: 2676

Ion Ratio Lower Upper

173 100

175 45.8 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: VD078283.D

Acq: 30 Jan 2024 17:15

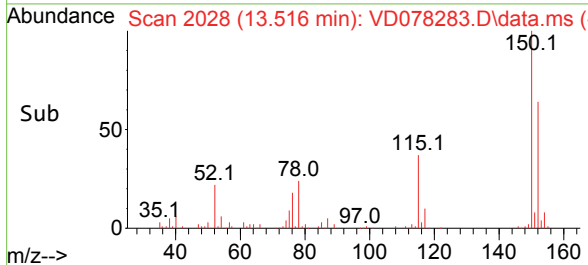
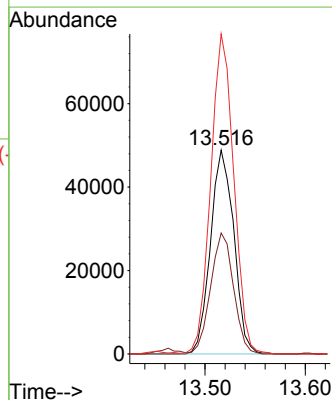
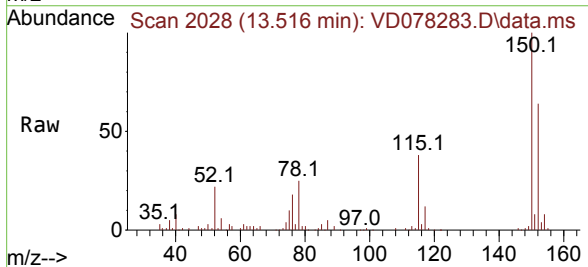
Tgt Ion:152 Resp: 79168

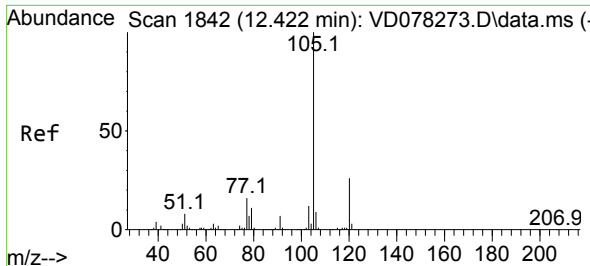
Ion Ratio Lower Upper

152 100

115 58.1 27.1 81.3

150 154.7 0.0 353.6

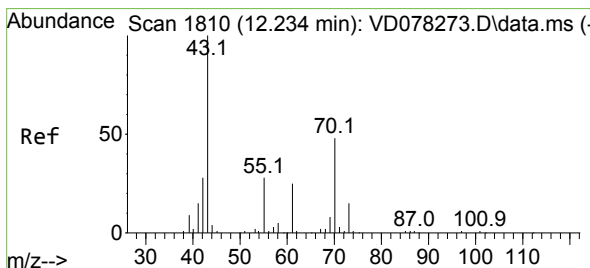
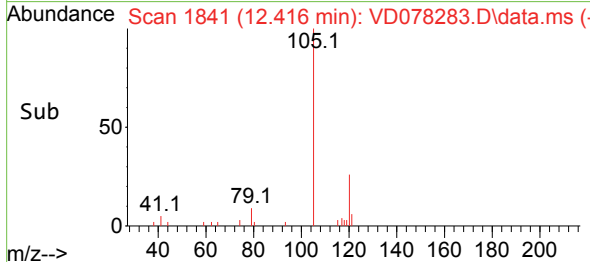
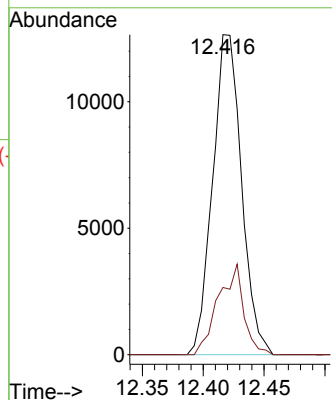
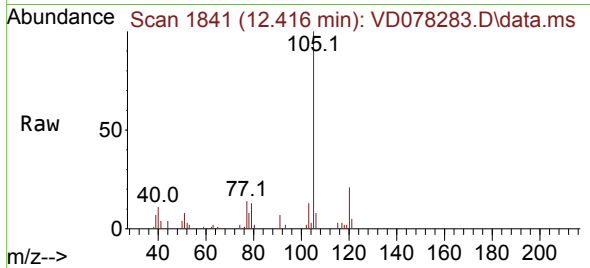




#73
Isopropylbenzene
Concen: 3.122 ug/l
RT: 12.416 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

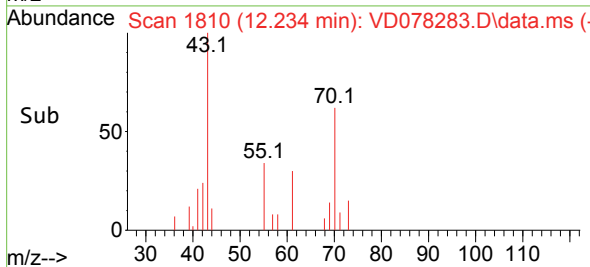
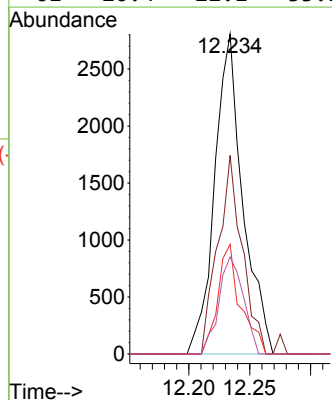
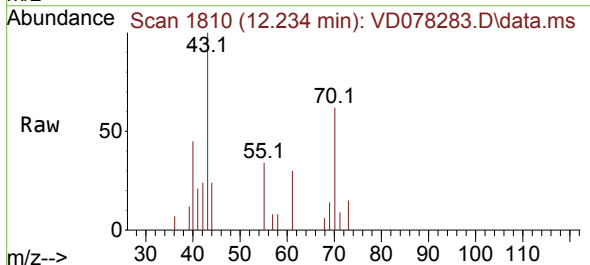
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

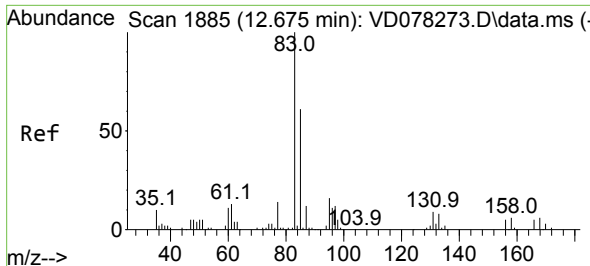
Tgt Ion:105 Resp: 20915
Ion Ratio Lower Upper
105 100
120 24.8 14.3 42.9



#74
N-ethyl acetate
Concen: 3.258 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 43 Resp: 4514
Ion Ratio Lower Upper
43 100
70 53.8 45.0 67.4
55 27.7 23.8 35.6
61 26.4 22.1 33.1

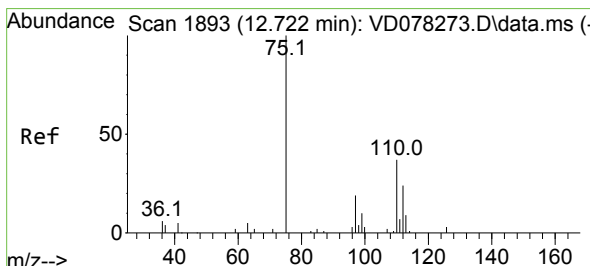
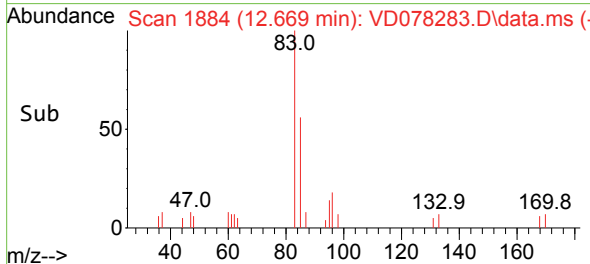
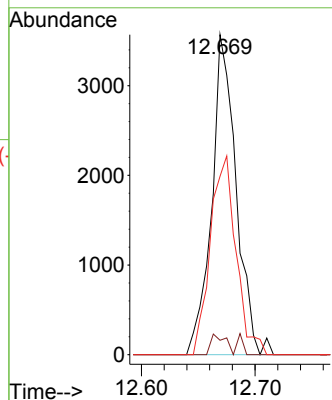
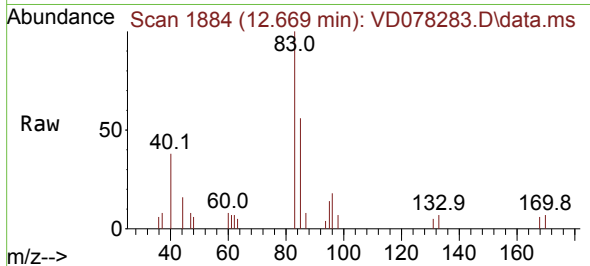




#75
1,1,2,2-Tetrachloroethane
Concen: 4.120 ug/l
RT: 12.669 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

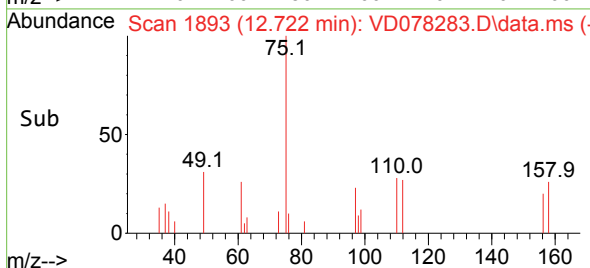
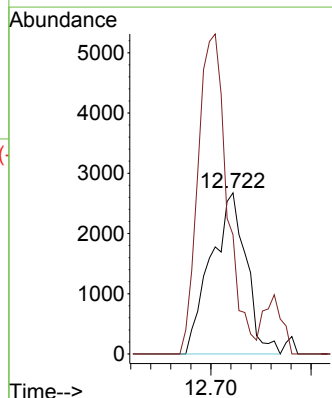
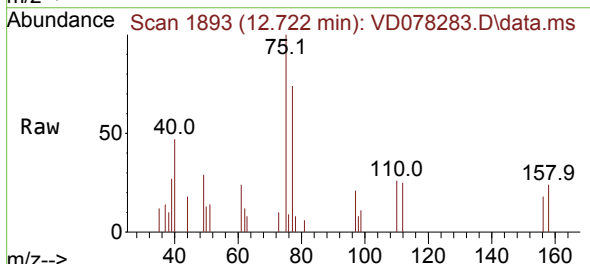
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

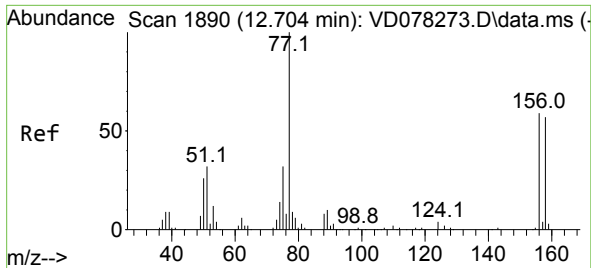
Tgt Ion: 83 Resp: 5330
Ion Ratio Lower Upper
83 100
131 3.8 5.1 15.3#
85 65.3 32.6 97.8



#76
1,2,3-Trichloropropane
Concen: 7.915 ug/l
RT: 12.722 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 75 Resp: 6549
Ion Ratio Lower Upper
75 100
77 164.3 0.0 0.0#

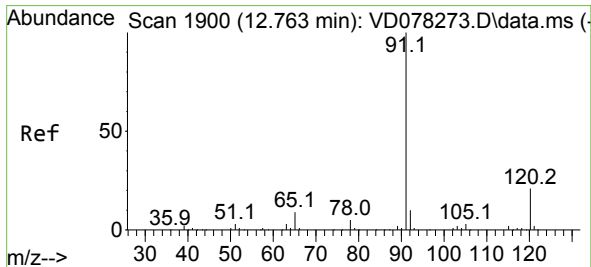
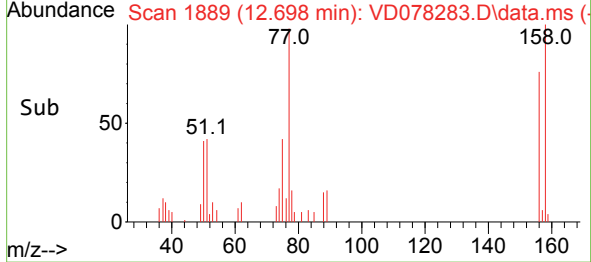
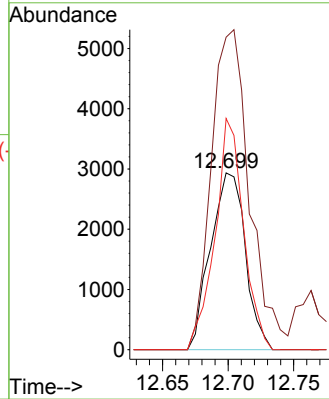
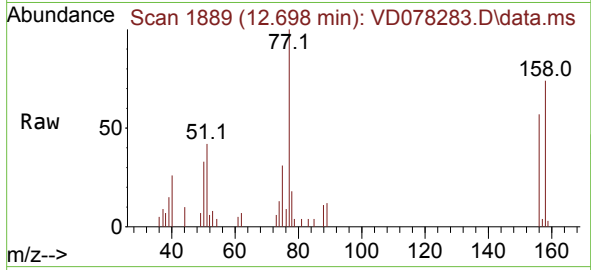




#77
Bromobenzene
Concen: 3.671 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

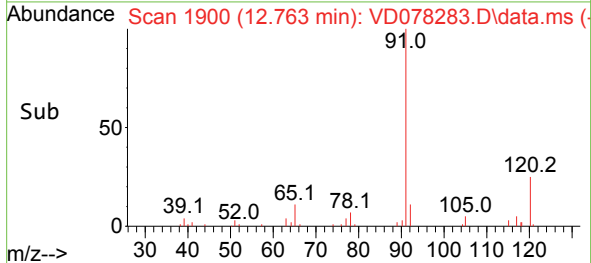
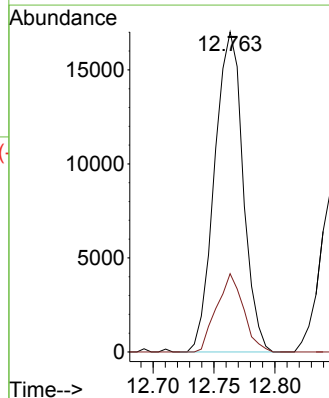
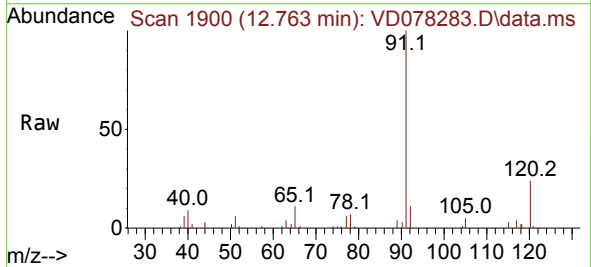
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

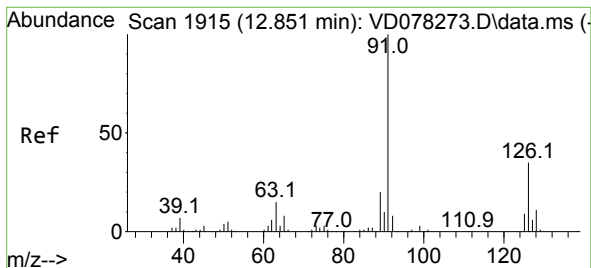
Tgt Ion:156 Resp: 5411
Ion Ratio Lower Upper
156 100
77 198.9 76.8 230.4
158 107.3 48.6 145.9



#78
n-propylbenzene
Concen: 3.318 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 91 Resp: 27685
Ion Ratio Lower Upper
91 100
120 23.0 12.4 37.2





#79

2-Chlorotoluene

Concen: 3.342 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

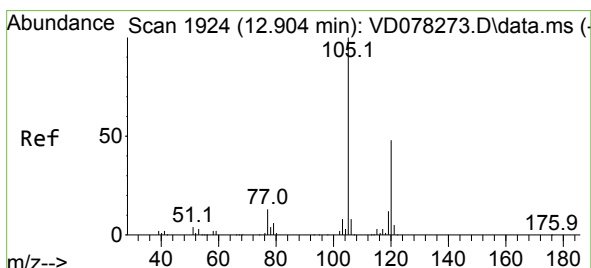
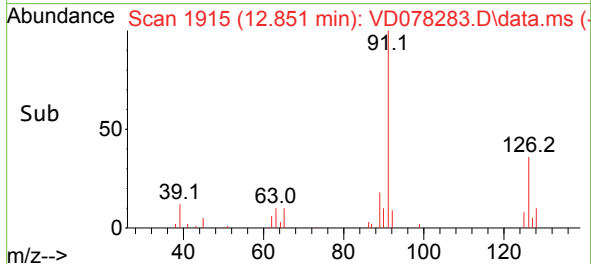
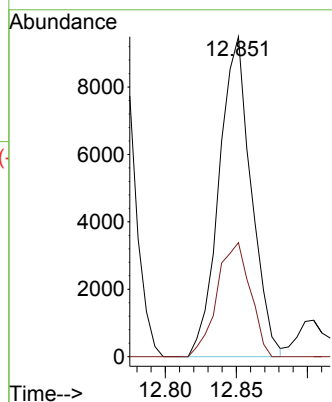
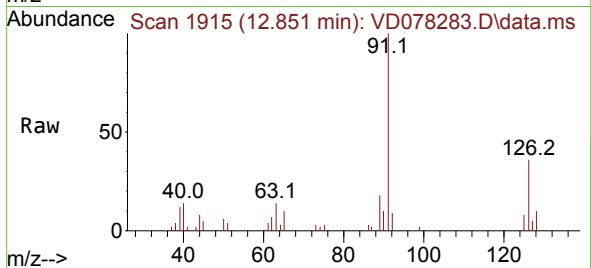
MDL-SOIL-03-QT1-2024

Tgt Ion: 91 Resp: 14929

Ion Ratio Lower Upper

91 100

126 36.9 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 3.133 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD078283.D

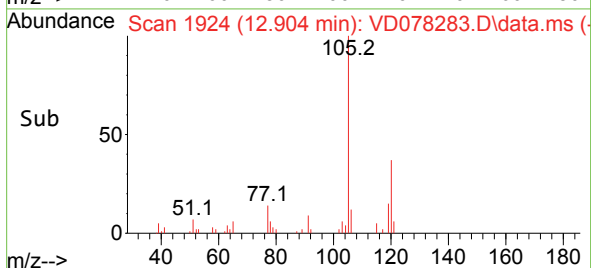
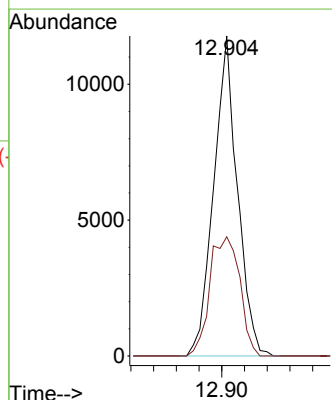
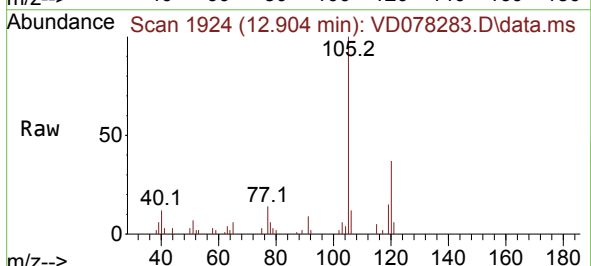
Acq: 30 Jan 2024 17:15

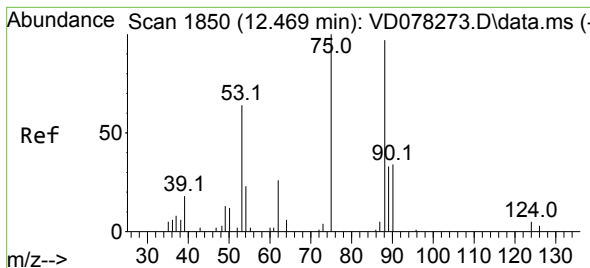
Tgt Ion: 105 Resp: 17074

Ion Ratio Lower Upper

105 100

120 47.0 26.4 79.2

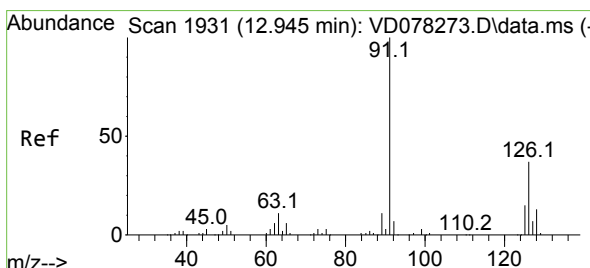
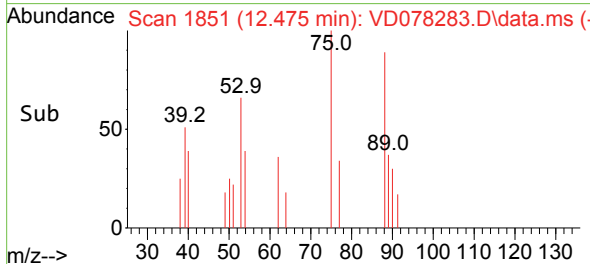
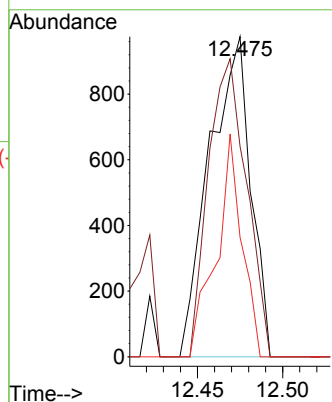
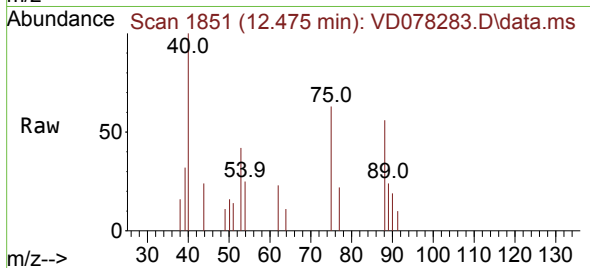




#81
trans-1,4-Dichloro-2-butene
Concen: 3.927 ug/l
RT: 12.475 min Scan# 1851
Delta R.T. 0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

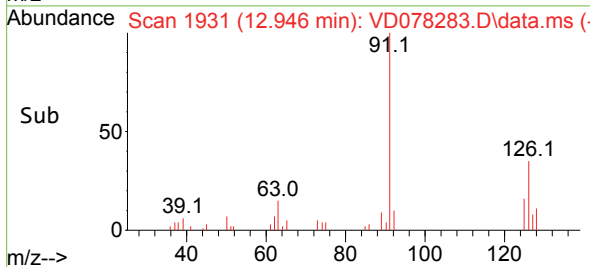
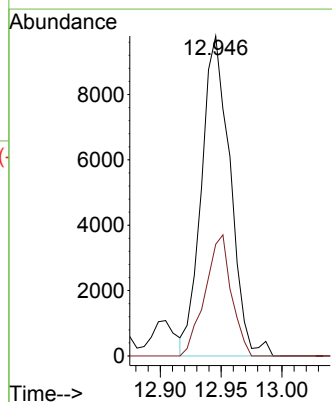
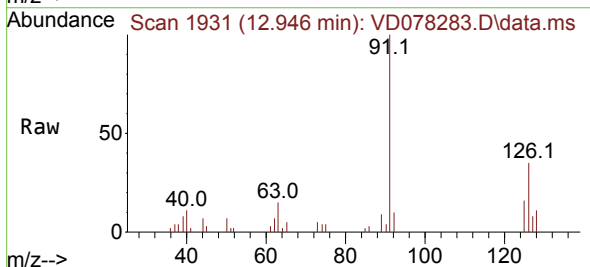
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

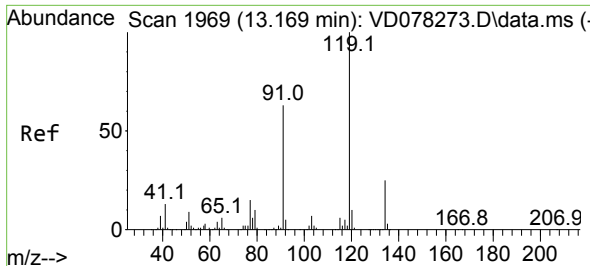
Tgt Ion: 75 Resp: 1634
Ion Ratio Lower Upper
75 100
53 86.5 63.0 94.4
89 43.6 37.9 56.9



#82
4-Chlorotoluene
Concen: 3.376 ug/l
RT: 12.946 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 91 Resp: 16074
Ion Ratio Lower Upper
91 100
126 34.6 19.4 58.4

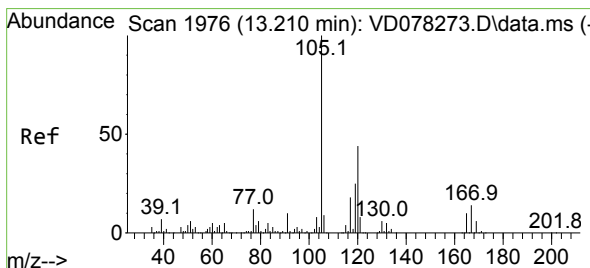
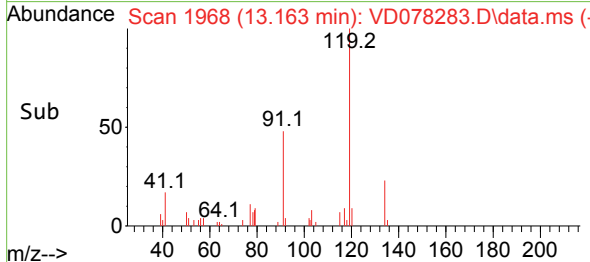
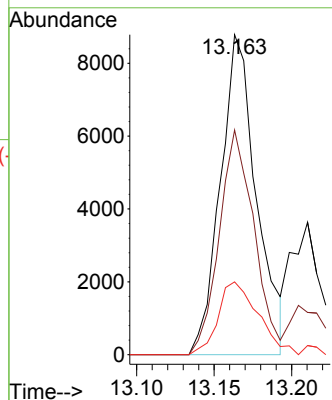
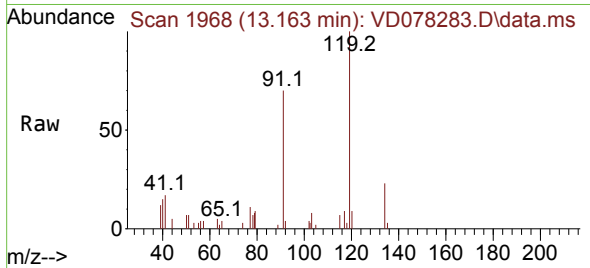




#83
tert-Butylbenzene
Concen: 3.062 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

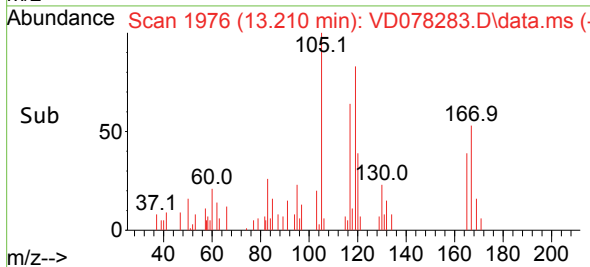
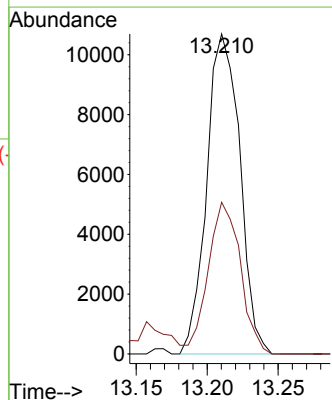
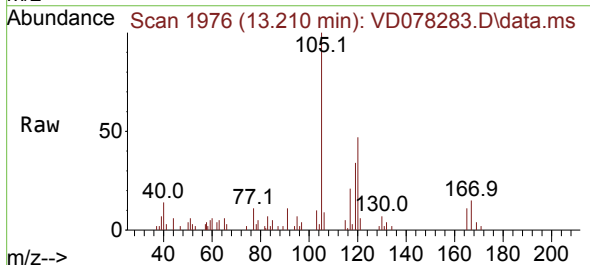
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

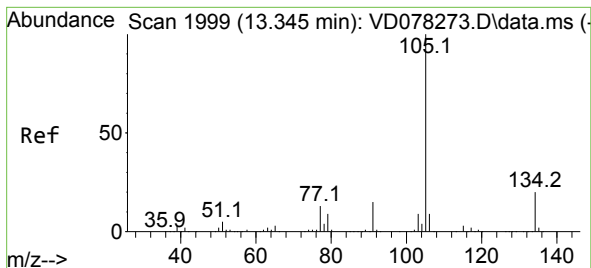
Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.4	29.3	87.8
134	25.2	14.1	42.3



#84
1,2,4-Trimethylbenzene
Concen: 3.147 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	24.3	72.9





#85

sec-Butylbenzene

Concen: 2.967 ug/l

RT: 13.346 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

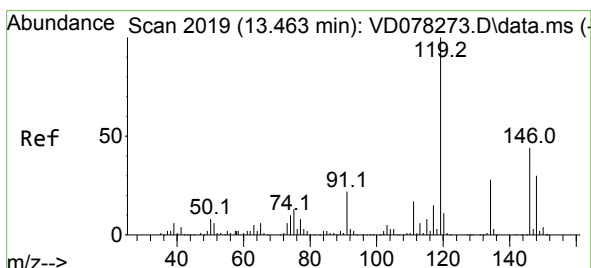
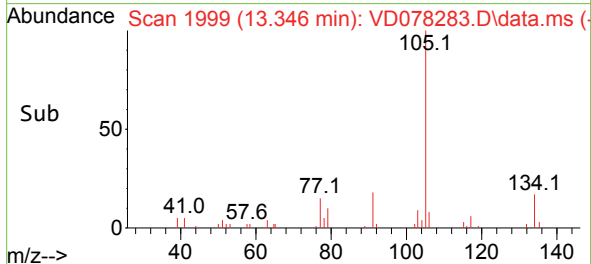
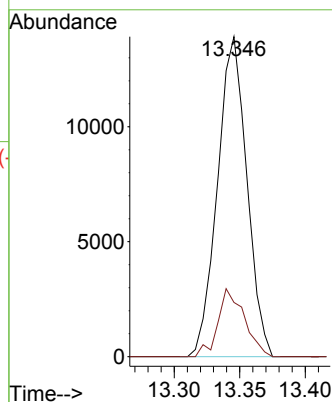
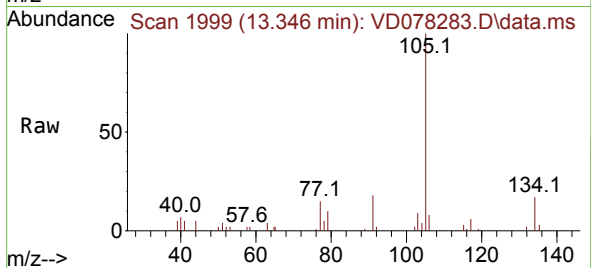
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 21653

Ion Ratio Lower Upper

105 100

134 19.1 10.9 32.9



#86

p-Isopropyltoluene

Concen: 3.131 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. -0.006 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

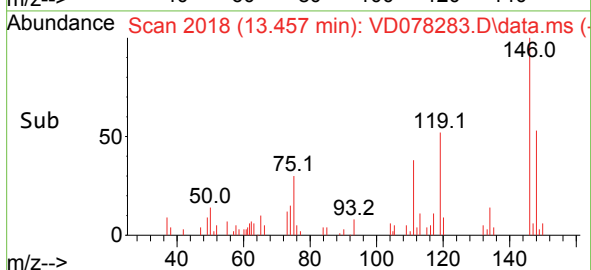
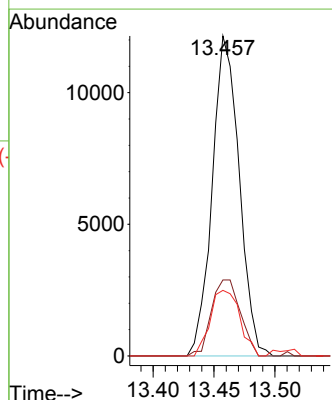
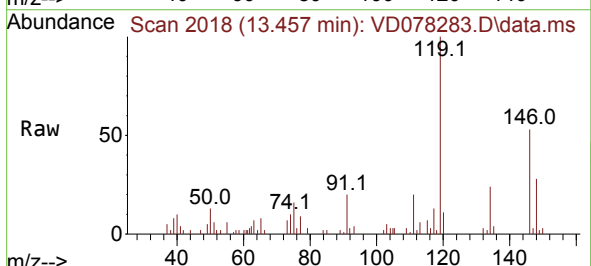
Tgt Ion:119 Resp: 18713

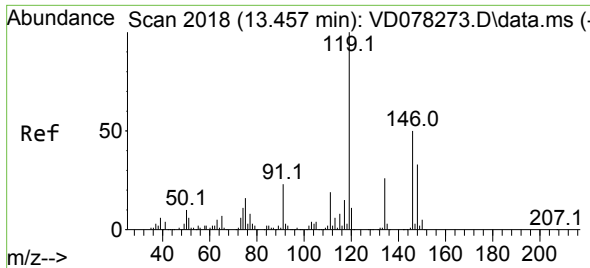
Ion Ratio Lower Upper

119 100

134 25.5 14.2 42.6

91 22.6 10.5 31.5

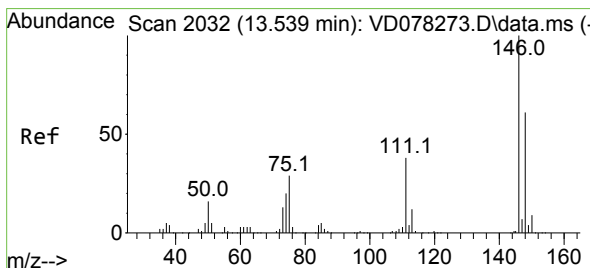
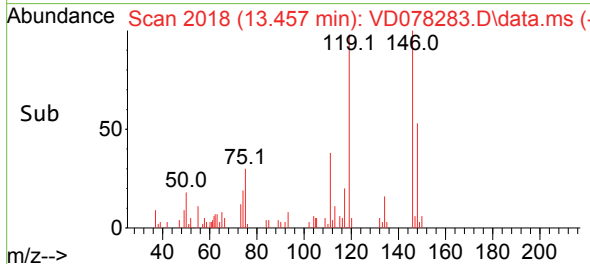
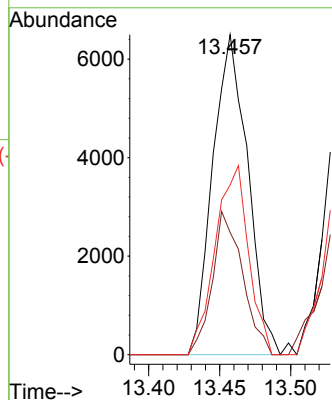
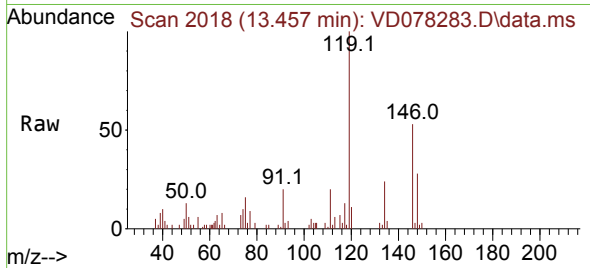




#87
 1,3-Dichlorobenzene
 Concen: 3.625 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. 0.000 min
 Lab File: VD078283.D
 Acq: 30 Jan 2024 17:15

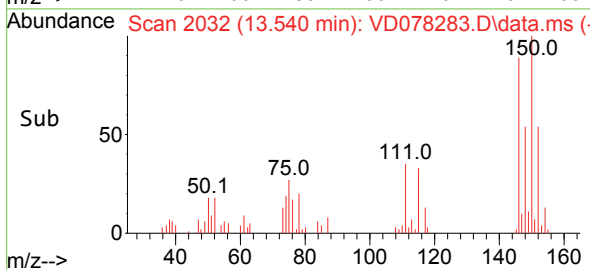
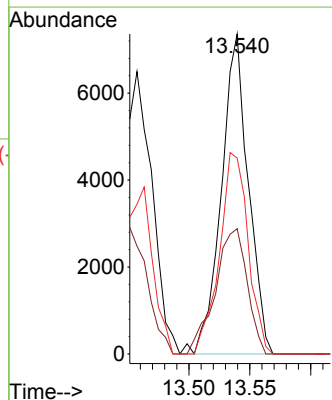
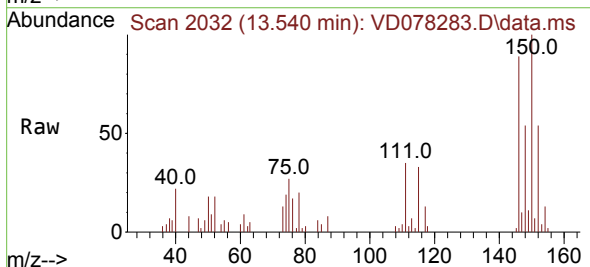
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

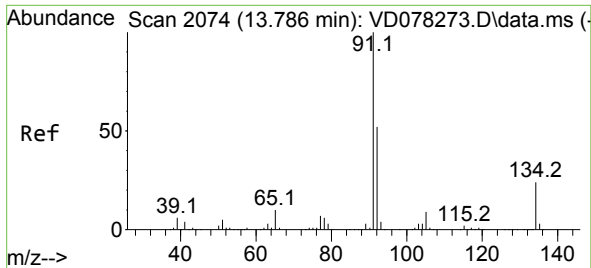
Tgt Ion:146	Resp:	11100
Ion Ratio	Lower	Upper
146	100	
111	38.9	17.9 53.8
148	56.7	32.3 96.8



#88
 1,4-Dichlorobenzene
 Concen: 3.754 ug/l
 RT: 13.540 min Scan# 2032
 Delta R.T. 0.000 min
 Lab File: VD078283.D
 Acq: 30 Jan 2024 17:15

Tgt Ion:146	Resp:	11373
Ion Ratio	Lower	Upper
146	100	
111	46.2	17.4 52.3
148	66.7	31.7 95.1

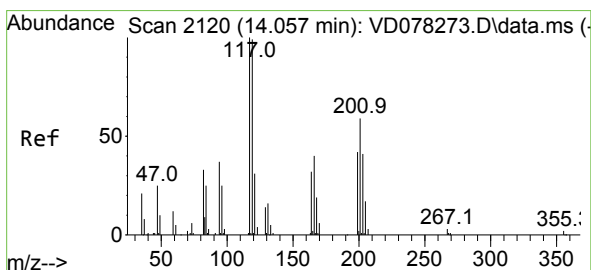
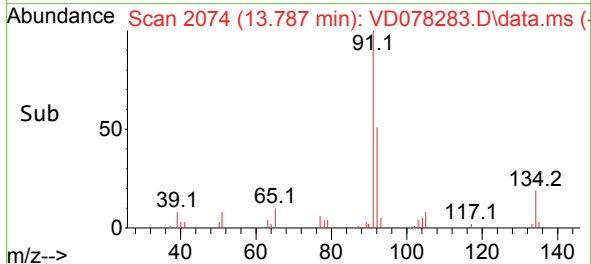
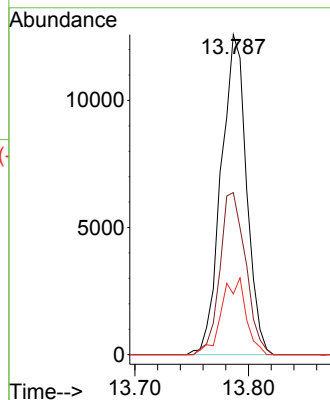
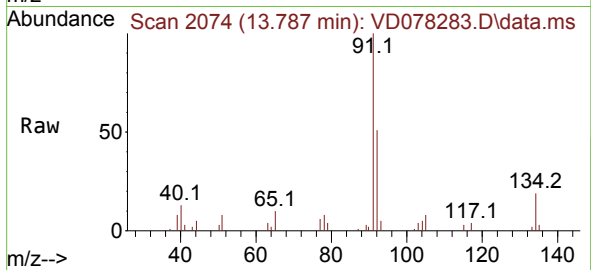




#89
n-Butylbenzene
Concen: 3.356 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

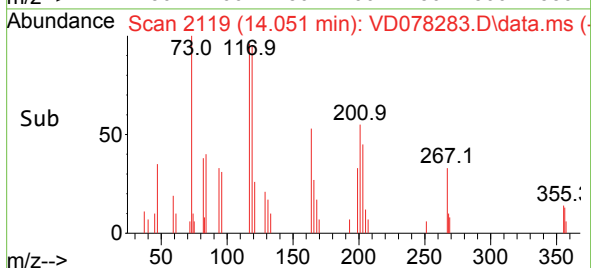
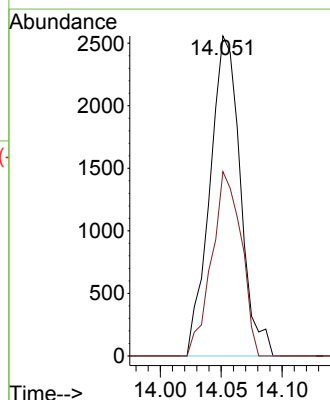
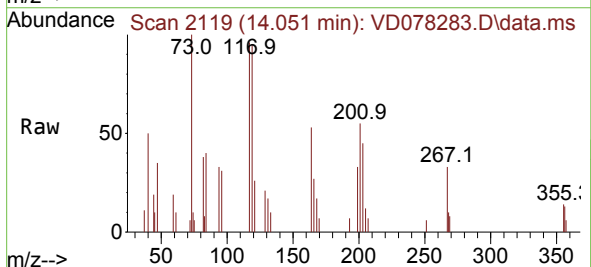
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

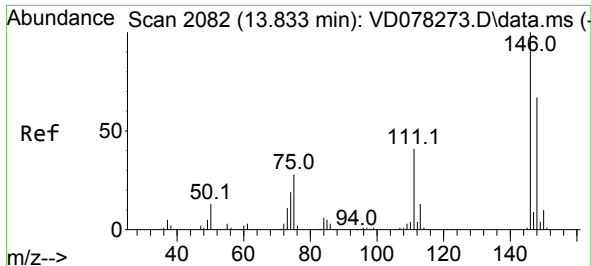
Tgt Ion:	91	Resp:	19545
Ion Ratio	Lower	Upper	
91	100		
92	51.5	26.5	79.5
134	23.2	13.8	41.3



#90
Hexachloroethane
Concen: 3.737 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion:	117	Resp:	4461
Ion Ratio	Lower	Upper	
117	100		
201	55.5	38.5	115.5

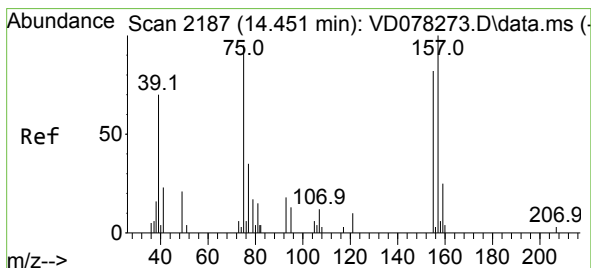
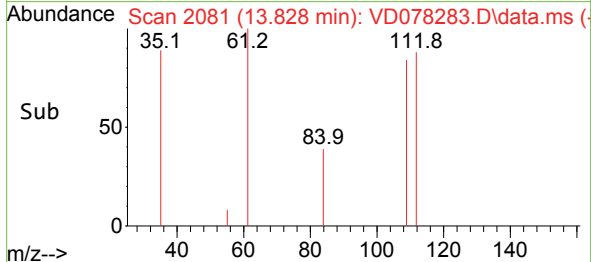
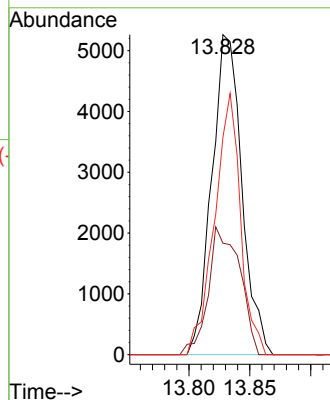
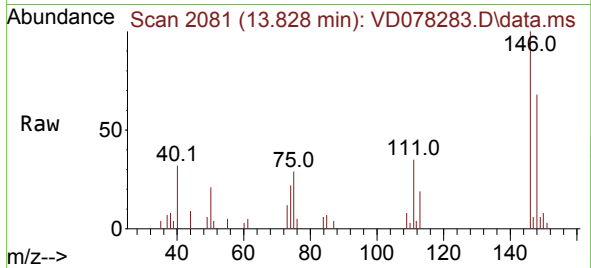




#91
1,2-Dichlorobenzene
Concen: 3.448 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

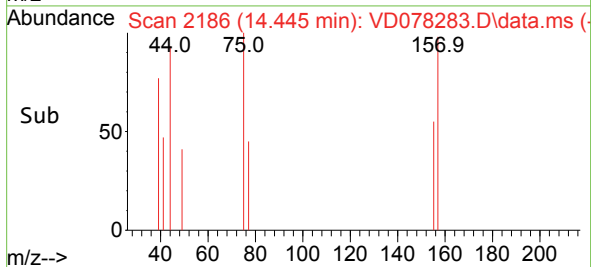
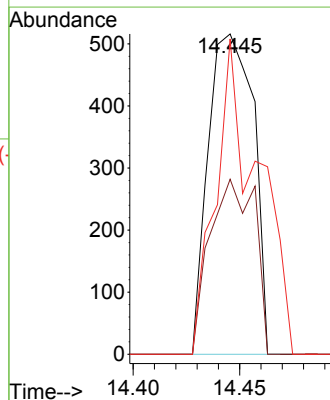
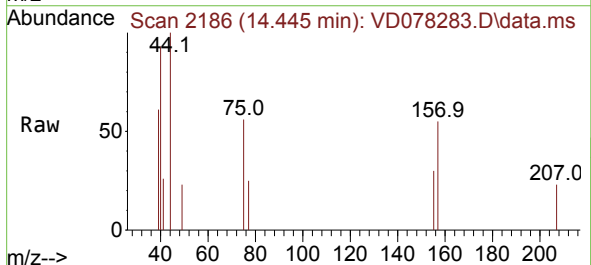
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

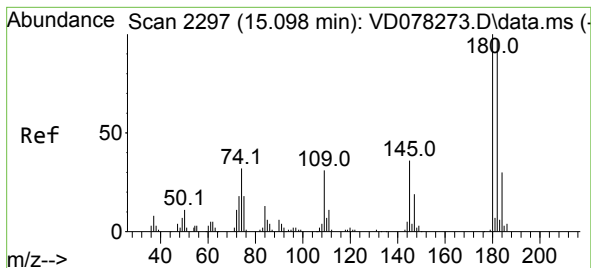
Tgt Ion:146	Resp:	9034
Ion Ratio	Lower	Upper
146	100	
111	41.7	18.3 54.8
148	70.7	31.6 94.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.202 ug/l
RT: 14.445 min Scan# 2186
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion: 75	Resp:	762
Ion Ratio	Lower	Upper
75	100	
155	54.5	47.9 143.8
157	92.7	59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 3.710 ug/l

RT: 15.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

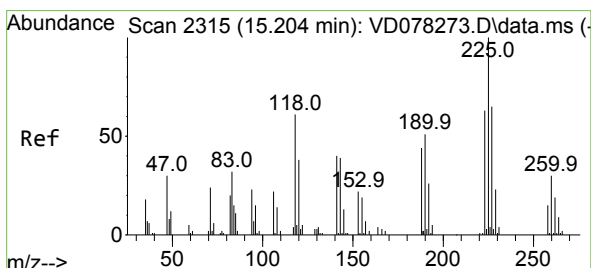
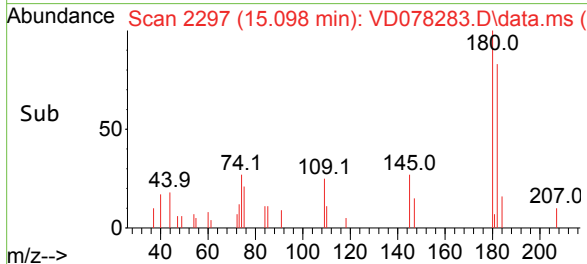
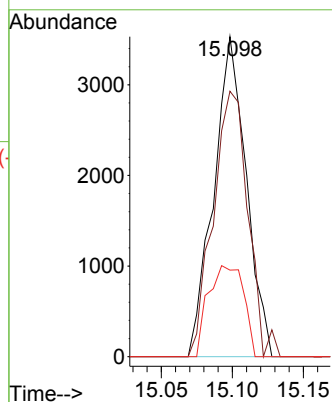
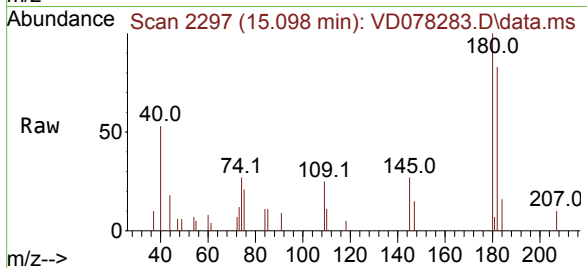
Tgt Ion:180 Resp: 5622

Ion Ratio Lower Upper

180 100

182 88.5 48.5 145.6

145 30.8 14.2 42.6



#94

Hexachlorobutadiene

Concen: 3.833 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD078283.D

Acq: 30 Jan 2024 17:15

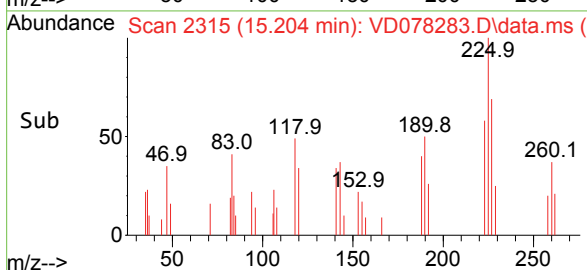
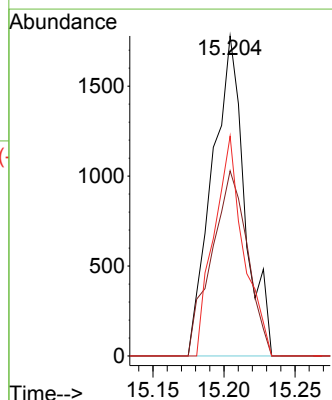
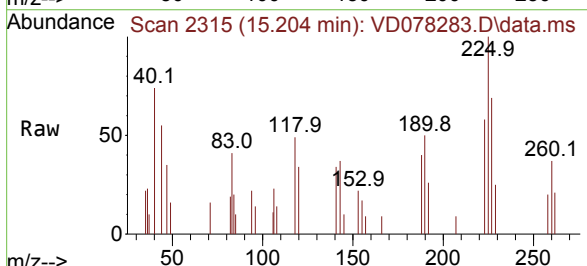
Tgt Ion:225 Resp: 2846

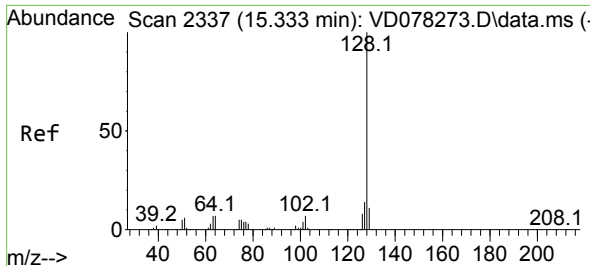
Ion Ratio Lower Upper

225 100

223 63.5 31.6 94.8

227 62.3 31.7 95.1

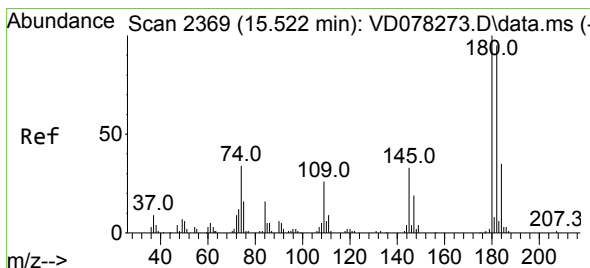
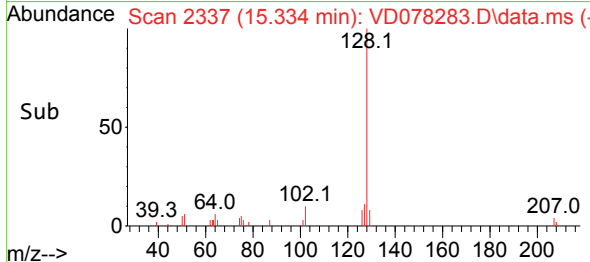
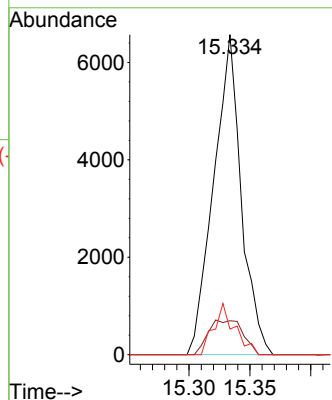
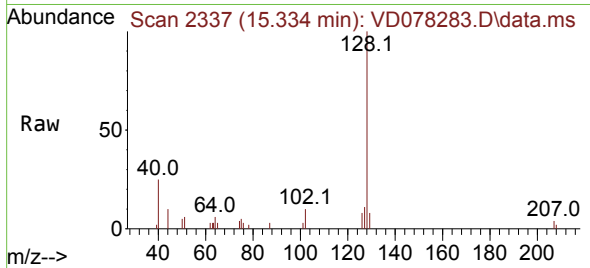




#95
Naphthalene
Concen: 3.418 ug/l
RT: 15.334 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

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

Tgt Ion:128 Resp: 10326
Ion Ratio Lower Upper
128 100
127 10.6 10.5 15.7
129 8.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 3.697 ug/l
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD078283.D
Acq: 30 Jan 2024 17:15

Tgt Ion:180 Resp: 4933
Ion Ratio Lower Upper
180 100
182 101.1 47.3 141.9
145 31.6 15.1 45.3

