

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013124\
 Data File : VD078290.D
 Acq On : 31 Jan 2024 13:39
 Operator : RP/MD
 Sample : P1187-03 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Feb 01 03:41:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 03:41:29 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	99215	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	192015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	174885	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	76348	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	67663	55.090	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.180%	
35) Dibromofluoromethane	7.810	113	69022	50.491	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.980%	
50) Toluene-d8	10.269	98	259100	50.062	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.120%	
62) 4-Bromofluorobenzene	12.575	95	73616	47.496	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.000%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.934	85	4367	3.640	ug/l	86
3) Chloromethane	2.152	50	8795	4.261	ug/l	99
4) Vinyl Chloride	2.287	62	10839	3.981	ug/l #	85
5) Bromomethane	2.693	94	6931	4.205	ug/l	98
6) Chloroethane	2.846	64	7244	3.852	ug/l #	77
7) Trichlorofluoromethane	3.181	101	8458	3.670	ug/l	98
8) Diethyl Ether	3.587	74	1267	1.858	ug/l #	1
9) 1,1,2-Trichlorotrifluo...	3.969	101	6115	4.323	ug/l	94
10) Methyl Iodide	4.163	142	4345	3.377	ug/l #	50
11) Tert butyl alcohol	5.034	59	1156	14.756	ug/l #	73
12) 1,1-Dichloroethene	3.946	96	4721	3.459	ug/l #	66
13) Acrolein	3.787	56	2534	24.895	ug/l	100
14) Allyl chloride	4.558	41	6383	3.547	ug/l #	86
15) Acrylonitrile	5.269	53	6381	21.172	ug/l	99
16) Acetone	4.022	43	7667	23.623	ug/l #	81
17) Carbon Disulfide	4.275	76	14892	3.232	ug/l #	90
18) Methyl Acetate	4.569	43	4359	6.659	ug/l #	64
19) Methyl tert-butyl Ether	5.334	73	10982	3.869	ug/l #	90
20) Methylene Chloride	4.805	84	11152	6.536	ug/l	94
21) trans-1,2-Dichloroethene	5.322	96	5881	3.811	ug/l #	86
22) Diisopropyl ether	6.216	45	13499	3.525	ug/l	93
23) Vinyl Acetate	6.163	43	27073	11.589	ug/l	98
24) 1,1-Dichloroethane	6.128	63	10586	3.993	ug/l	99
25) 2-Butanone	7.093	43	9215	22.516	ug/l #	67
26) 2,2-Dichloropropane	7.069	77	9059	4.184	ug/l	91
27) cis-1,2-Dichloroethene	7.081	96	6741	3.941	ug/l	90
28) Bromochloromethane	7.434	49	4476	4.734	ug/l #	81
29) Tetrahydrofuran	7.446	42	1992	9.098	ug/l #	48
30) Chloroform	7.593	83	10926	4.031	ug/l	94
31) Cyclohexane	7.887	56	9702	4.218	ug/l #	90
32) 1,1,1-Trichloroethane	7.793	97	9212	3.944	ug/l	97
36) 1,1-Dichloropropene	8.010	75	7859	3.467	ug/l	95
37) Ethyl Acetate	7.175	43	3309	3.793	ug/l #	80
38) Carbon Tetrachloride	7.993	117	7401	3.320	ug/l #	69
39) Methylcyclohexane	9.275	83	8129	3.033	ug/l #	78
40) Benzene	8.251	78	23331	3.527	ug/l #	88

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	1592	3.394	ug/l #	86
42) 1,2-Dichloroethane	8.322	62	6673	3.890	ug/l	96
43) Isopropyl Acetate	8.363	43	5567	3.559	ug/l #	69
44) Trichloroethene	9.034	130	5682	3.498	ug/l	100
45) 1,2-Dichloropropane	9.304	63	5811	3.593	ug/l #	88
46) Dibromomethane	9.393	93	3259	3.632	ug/l #	85
47) Bromodichloromethane	9.581	83	8191	3.710	ug/l #	99
48) Methyl methacrylate	9.387	41	3249	4.346	ug/l #	65
49) 1,4-Dioxane	9.387	88	558	55.439	ug/l	88
51) 4-Methyl-2-Pentanone	10.157	43	15139	17.890	ug/l	90
52) Toluene	10.334	92	14553	3.627	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	7434	3.605	ug/l #	83
54) cis-1,3-Dichloropropene	10.022	75	8319	3.408	ug/l #	73
55) 1,1,2-Trichloroethane	10.734	97	4331	3.699	ug/l #	84
56) Ethyl methacrylate	10.598	69	3233	2.434	ug/l #	73
57) 1,3-Dichloropropane	10.881	76	7234	3.583	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	11140	18.445	ug/l	96
59) 2-Hexanone	10.922	43	10894	17.093	ug/l	80
60) Dibromochloromethane	11.075	129	5001	3.679	ug/l	81
61) 1,2-Dibromoethane	11.175	107	3626	3.280	ug/l #	76
64) Tetrachloroethene	10.810	164	4480	3.673	ug/l #	88
65) Chlorobenzene	11.610	112	15021	3.590	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.675	131	5360	3.598	ug/l	96
67) Ethyl Benzene	11.681	91	25547	3.371	ug/l #	86
68) m/p-Xylenes	11.792	106	18772	6.438	ug/l	88
69) o-Xylene	12.122	106	8400	3.135	ug/l	87
70) Styrene	12.139	104	12374	2.704	ug/l #	89
71) Bromoform	12.304	173	2435	3.319	ug/l #	100
73) Isopropylbenzene	12.422	105	22635	3.504	ug/l	93
74) N-amyl acetate	12.239	43	5177	3.875	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.675	83	5027	4.030	ug/l	95
76) 1,2,3-Trichloropropane	12.728	75	6455	8.089	ug/l #	100
77) Bromobenzene	12.704	156	5667	3.987	ug/l	83
78) n-propylbenzene	12.763	91	30114	3.742	ug/l	92
79) 2-Chlorotoluene	12.845	91	16328	3.791	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	18746	3.567	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	1350	3.365	ug/l #	77
82) 4-Chlorotoluene	12.945	91	16814	3.661	ug/l	99
83) tert-Butylbenzene	13.169	119	15481	3.452	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	17704	3.330	ug/l	98
85) sec-Butylbenzene	13.345	105	23590	3.352	ug/l	89
86) p-Isopropyltoluene	13.457	119	20217	3.507	ug/l	96
87) 1,3-Dichlorobenzene	13.457	146	11205	3.794	ug/l	96
88) 1,4-Dichlorobenzene	13.539	146	12492	4.275	ug/l	92
89) n-Butylbenzene	13.786	91	21147	3.765	ug/l	94
90) Hexachloroethane	14.045	117	4602	3.997	ug/l	67
91) 1,2-Dichlorobenzene	13.828	146	10514	4.162	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	550	3.145	ug/l	87
93) 1,2,4-Trichlorobenzene	15.104	180	6012	4.114	ug/l	96
94) Hexachlorobutadiene	15.210	225	2992	4.178	ug/l	87
95) Naphthalene	15.333	128	11569	3.971	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	5198	4.040	ug/l	94

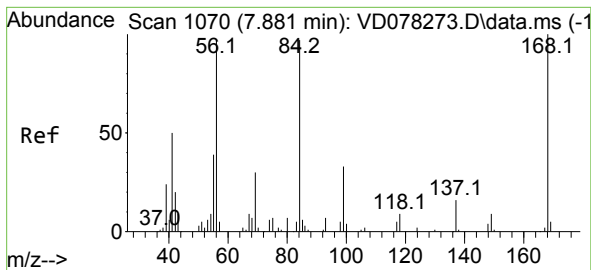
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Response via : Initial Calibration

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

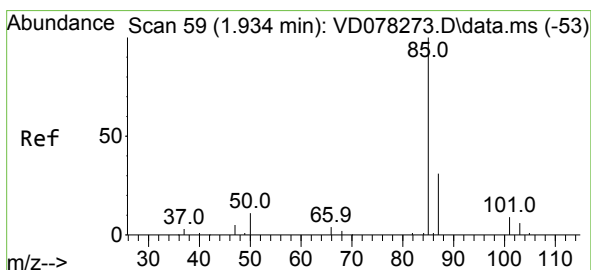
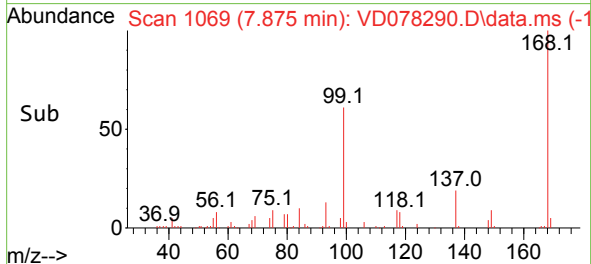
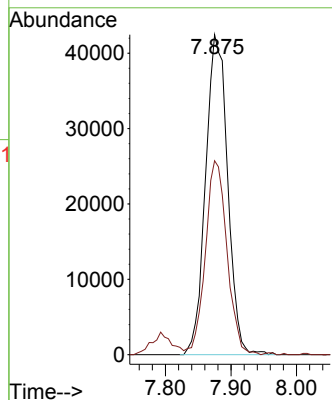
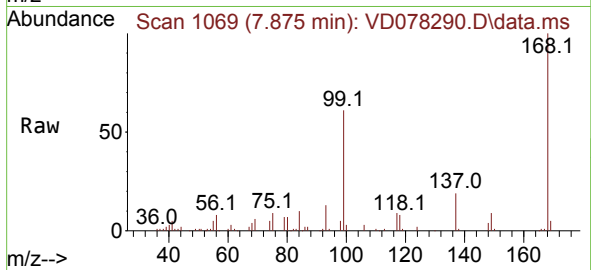
MDL-SOIL-03-QT1-2024

Tgt Ion:168 Resp: 99215

Ion Ratio Lower Upper

168 100

99 60.6 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 3.640 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078290.D

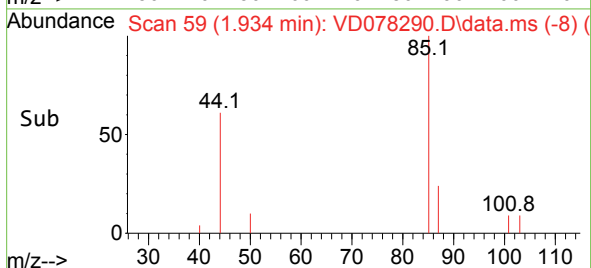
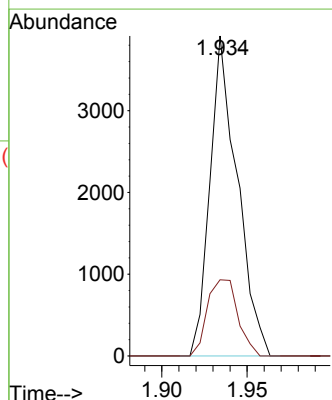
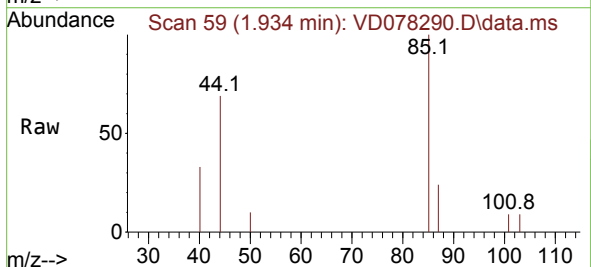
Acq: 31 Jan 2024 13:39

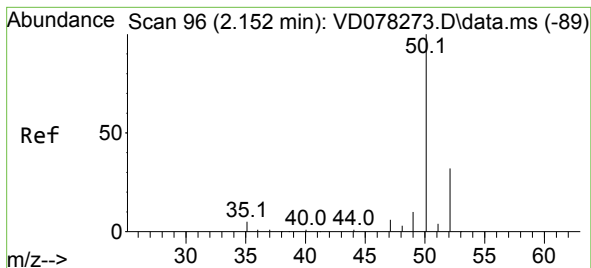
Tgt Ion: 85 Resp: 4367

Ion Ratio Lower Upper

85 100

87 23.8 15.7 47.0





#3

Chloromethane

Concen: 4.261 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

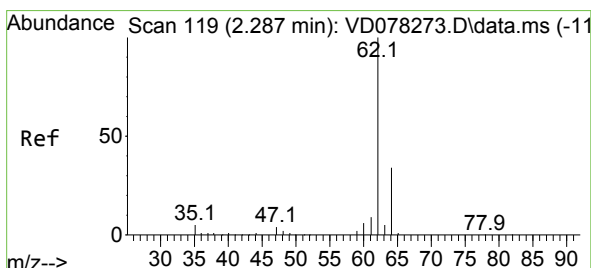
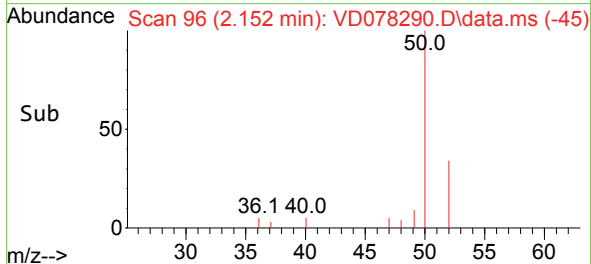
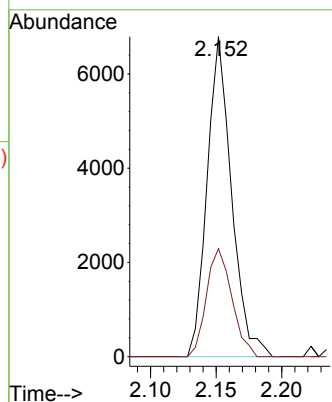
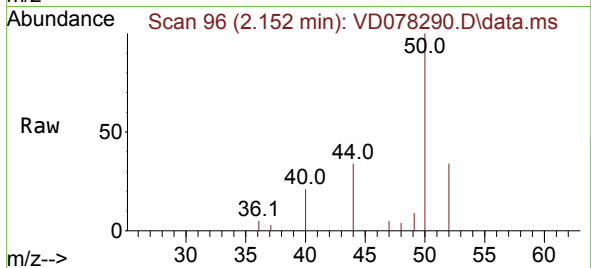
MDL-SOIL-03-QT1-2024

Tgt Ion: 50 Resp: 8795

Ion Ratio Lower Upper

50 100

52 33.8 26.6 40.0



#4

Vinyl Chloride

Concen: 3.981 ug/l

RT: 2.287 min Scan# 119

Delta R.T. 0.000 min

Lab File: VD078290.D

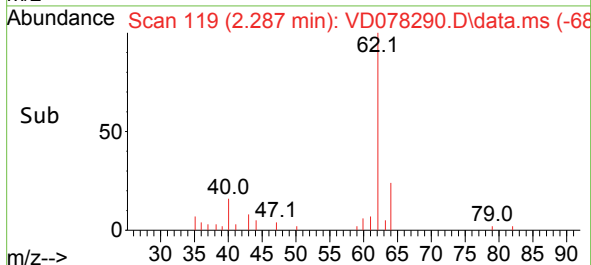
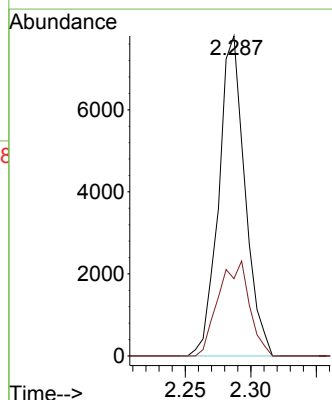
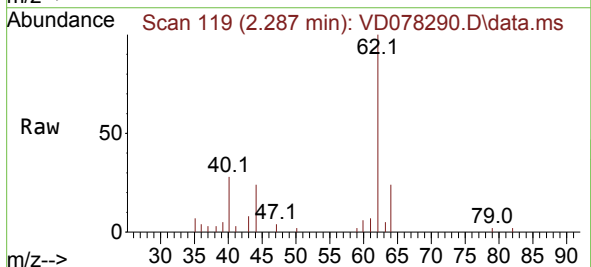
Acq: 31 Jan 2024 13:39

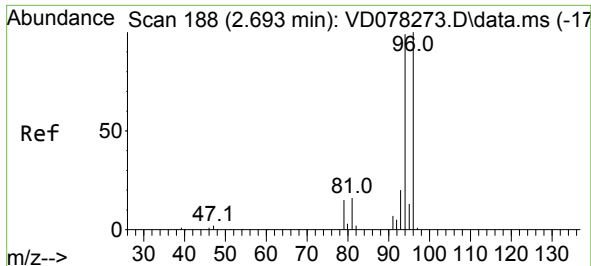
Tgt Ion: 62 Resp: 10839

Ion Ratio Lower Upper

62 100

64 24.2 26.0 39.0#

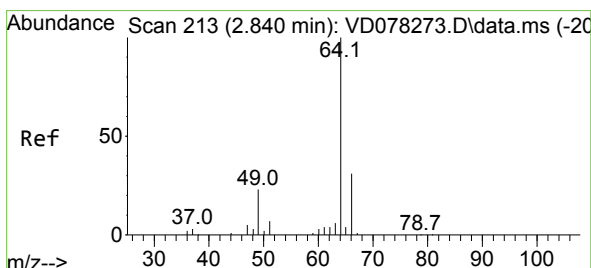
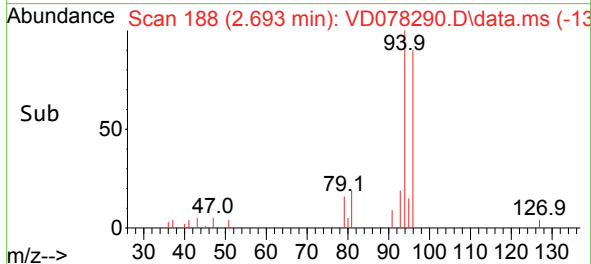
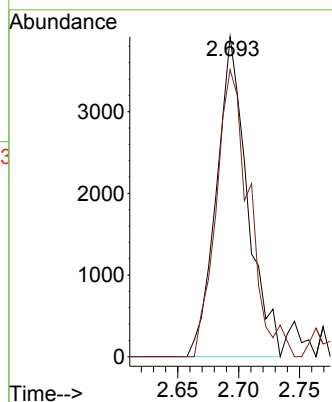
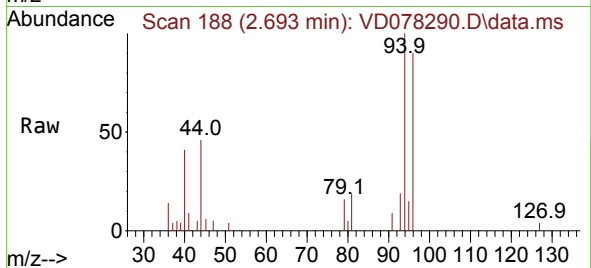




#5
Bromomethane
Concen: 4.205 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

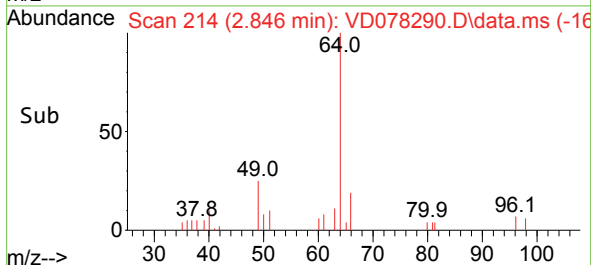
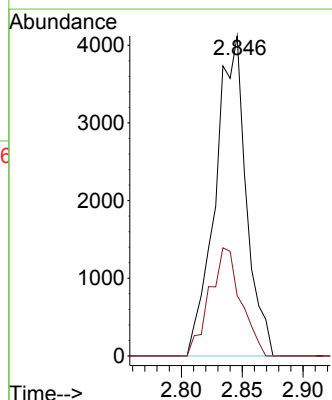
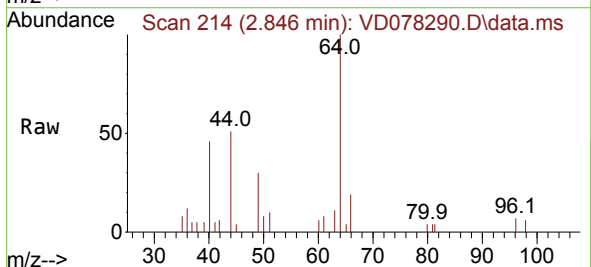
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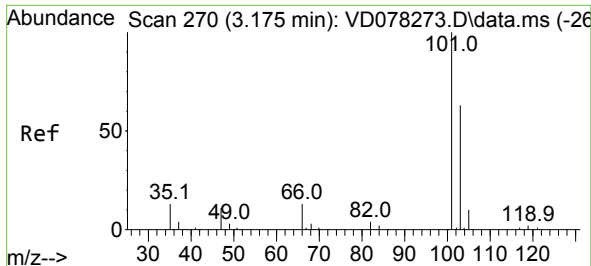
Tgt Ion: 94 Resp: 6931
Ion Ratio Lower Upper
94 100
96 96.5 75.8 113.8



#6
Chloroethane
Concen: 3.852 ug/l
RT: 2.846 min Scan# 214
Delta R.T. 0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 64 Resp: 7244
Ion Ratio Lower Upper
64 100
66 18.8 25.5 38.3#

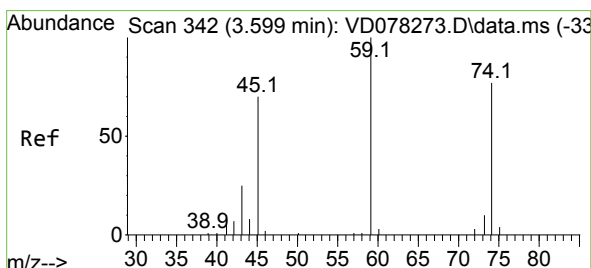
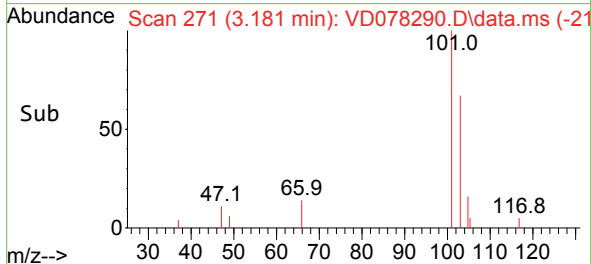
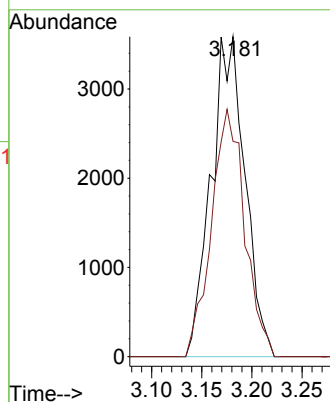
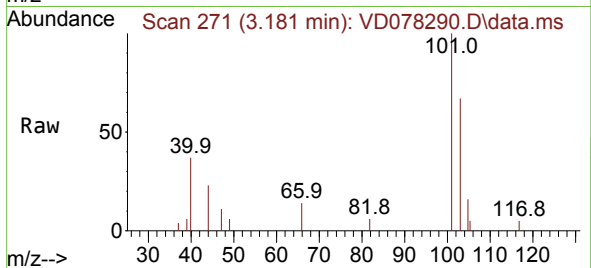




#7
Trichlorofluoromethane
Concen: 3.670 ug/l
RT: 3.181 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

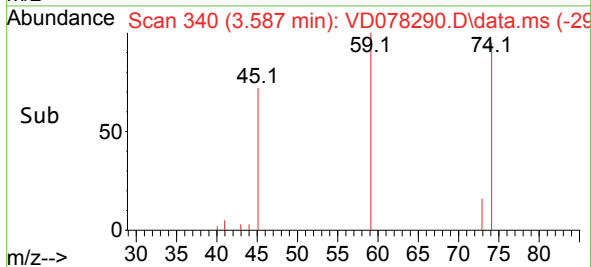
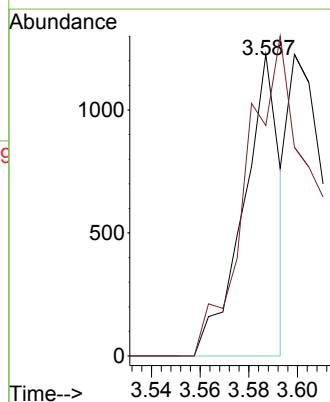
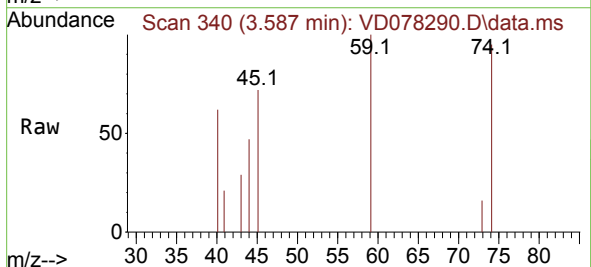
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

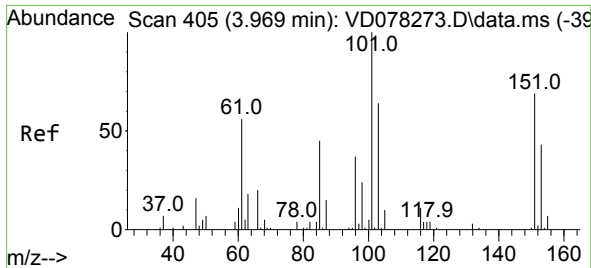
Tgt Ion:101 Resp: 8458
Ion Ratio Lower Upper
101 100
103 67.3 52.3 78.5



#8
Diethyl Ether
Concen: 1.858 ug/l
RT: 3.587 min Scan# 340
Delta R.T. -0.012 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 74 Resp: 1267
Ion Ratio Lower Upper
74 100
45 201.1 37.5 112.7#

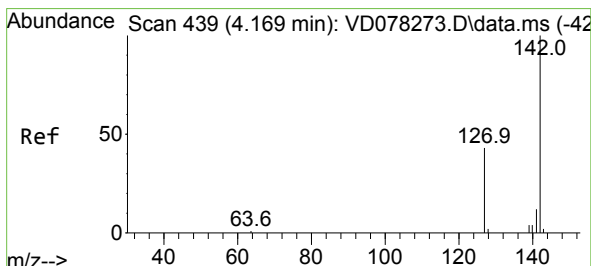
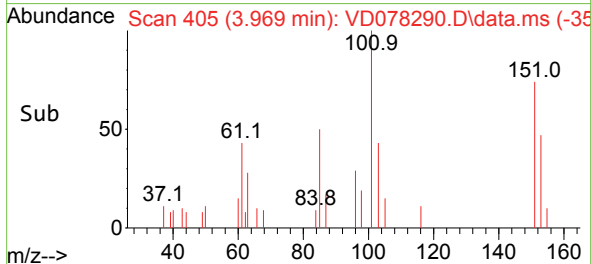
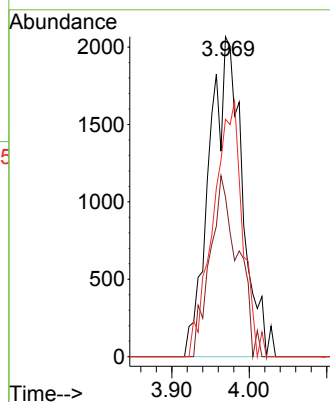
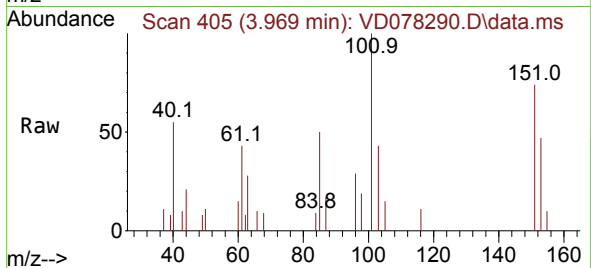




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.323 ug/l
RT: 3.969 min Scan# 405
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

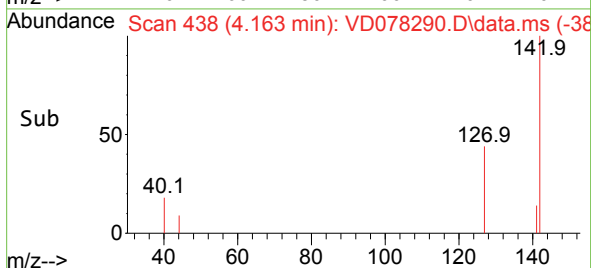
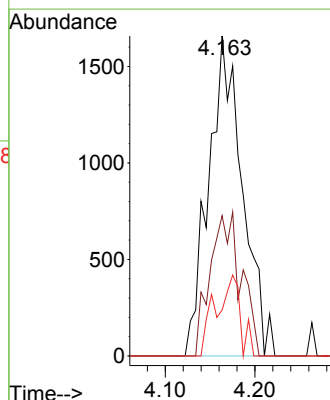
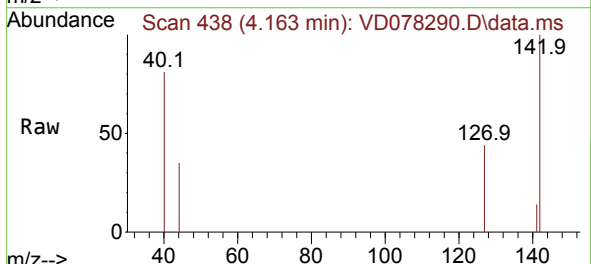
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

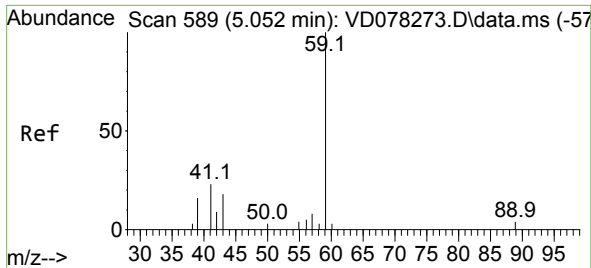
Tgt Ion:101 Resp: 6115
Ion Ratio Lower Upper
101 100
85 47.9 33.8 50.6
151 70.4 59.8 89.6



#10
Methyl Iodide
Concen: 3.377 ug/l
RT: 4.163 min Scan# 438
Delta R.T. -0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion:142 Resp: 4345
Ion Ratio Lower Upper
142 100
127 0.0 29.4 44.0#
141 5.8 11.1 16.7#

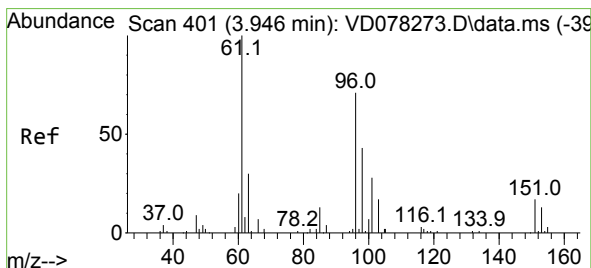
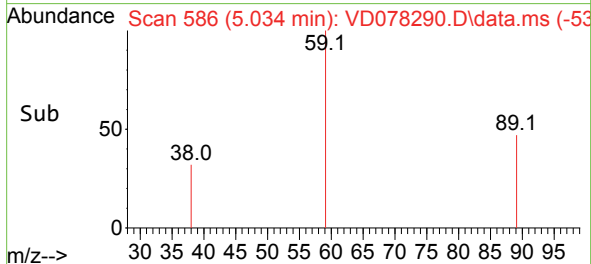
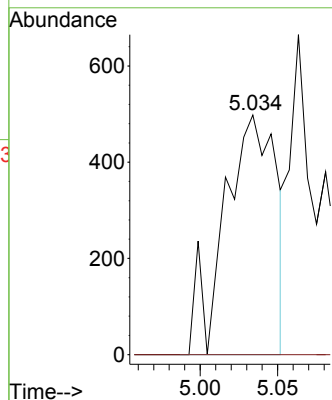
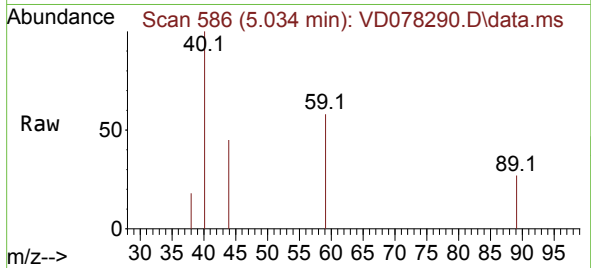




#11
Tert butyl alcohol
Concen: 14.756 ug/l
RT: 5.034 min Scan# 51
Delta R.T. -0.018 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

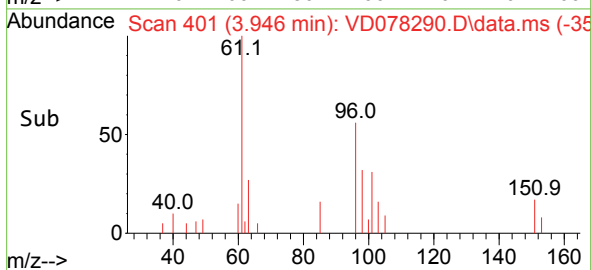
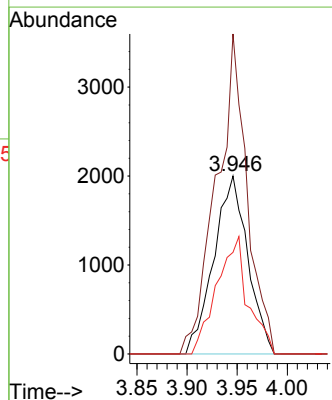
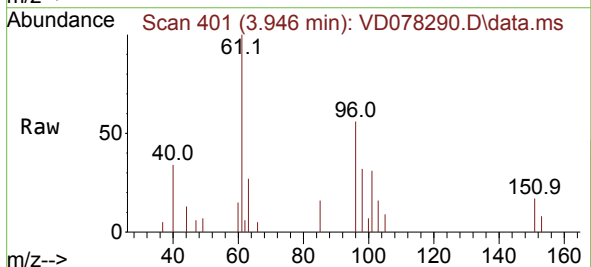
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

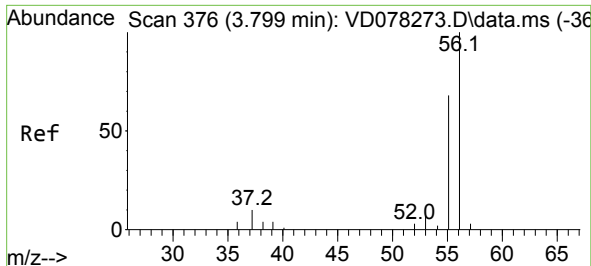
Tgt Ion: 59 Resp: 1156
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 3.459 ug/l
RT: 3.946 min Scan# 401
Delta R.T. -0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 96 Resp: 4721
Ion Ratio Lower Upper
96 100
61 179.9 100.6 150.8#
98 57.1 50.2 75.2





#13

Acrolein

Concen: 24.895 ug/l

RT: 3.787 min Scan# 31

Delta R.T. -0.012 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

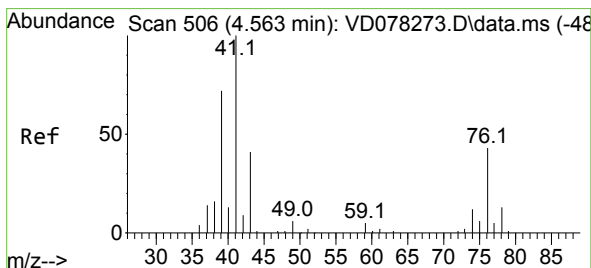
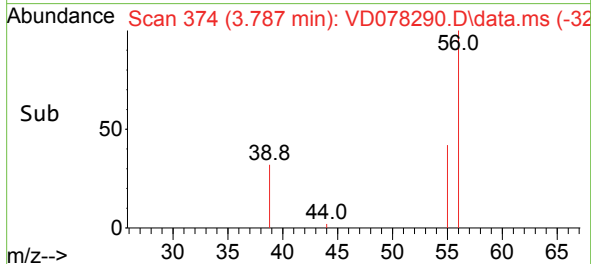
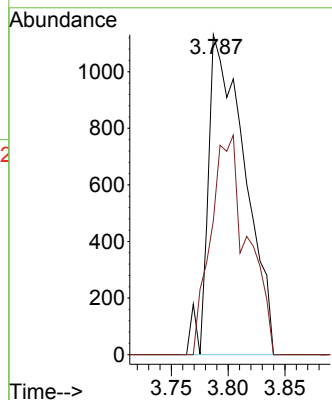
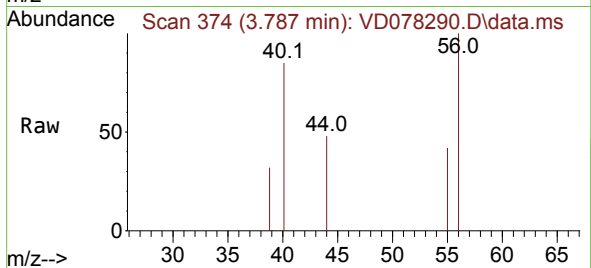
MDL-SOIL-03-QT1-2024

Tgt Ion: 56 Resp: 2534

Ion Ratio Lower Upper

56 100

55 68.7 55.1 82.7



#14

Allyl chloride

Concen: 3.547 ug/l

RT: 4.558 min Scan# 505

Delta R.T. -0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

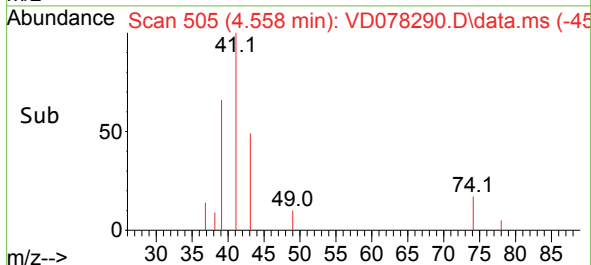
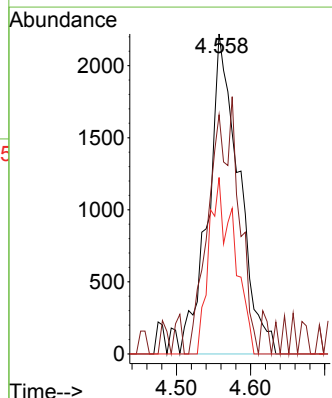
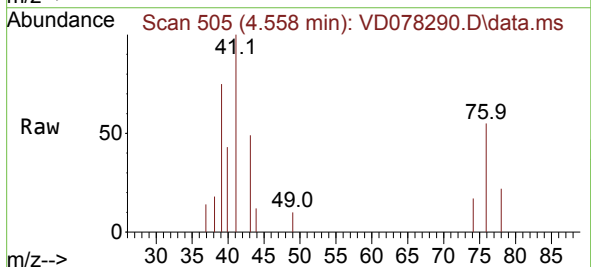
Tgt Ion: 41 Resp: 6383

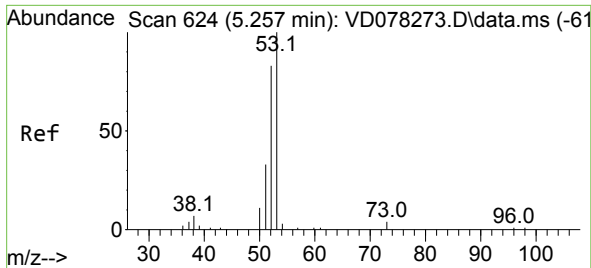
Ion Ratio Lower Upper

41 100

39 76.5 53.8 80.6

76 45.6 45.8 68.8#

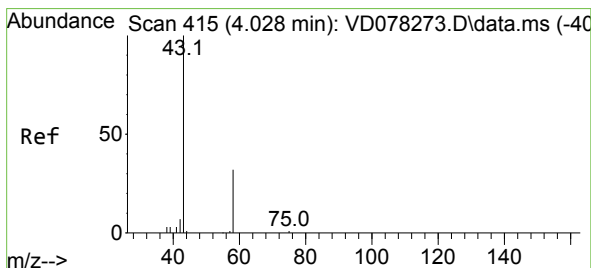
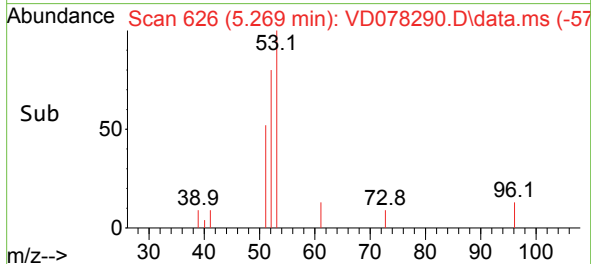
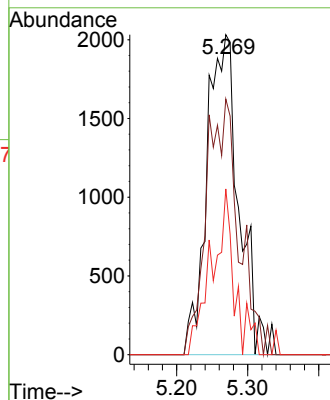
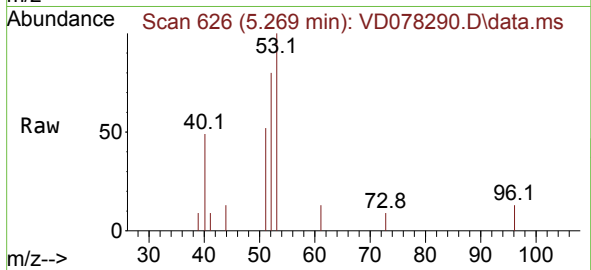




#15
Acrylonitrile
Concen: 21.172 ug/l
RT: 5.269 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

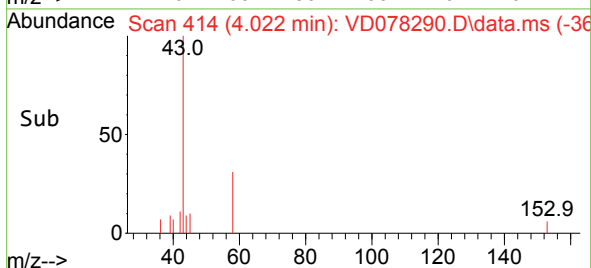
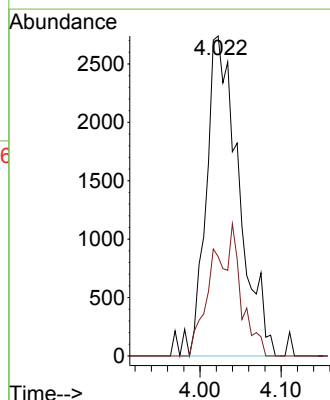
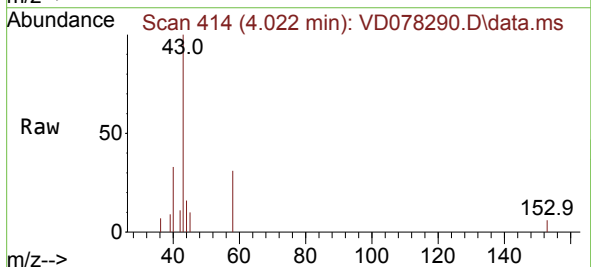
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

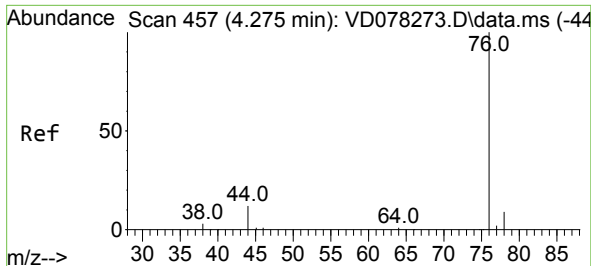
Tgt Ion:	53	Resp:	6381
Ion	Ratio	Lower	Upper
53	100		
52	81.1	65.0	97.4
51	33.2	28.3	42.5



#16
Acetone
Concen: 23.623 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion:	43	Resp:	7667
Ion	Ratio	Lower	Upper
43	100		
58	31.1	34.7	52.1#

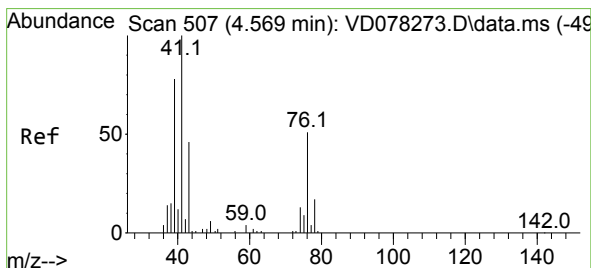
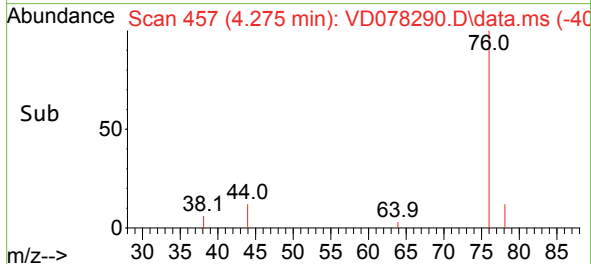
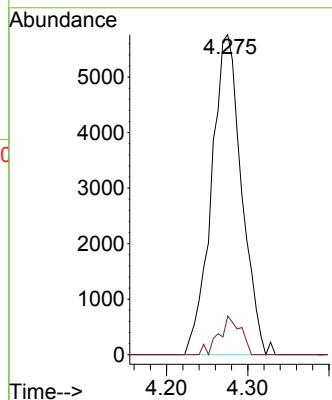
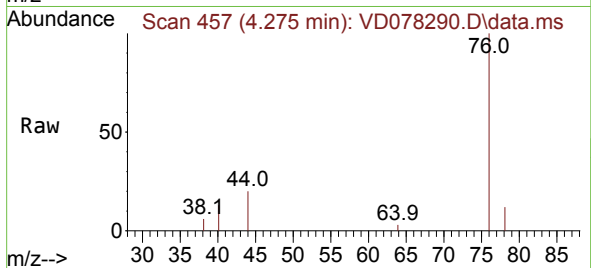




#17
Carbon Disulfide
Concen: 3.232 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

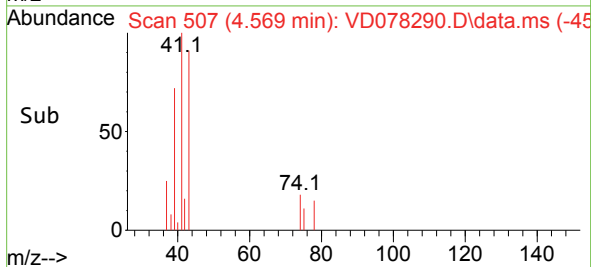
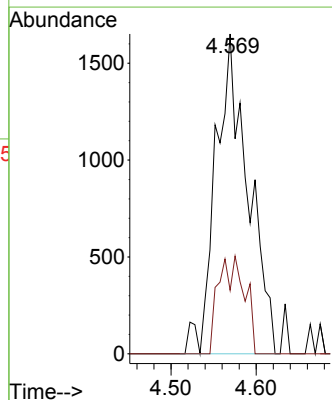
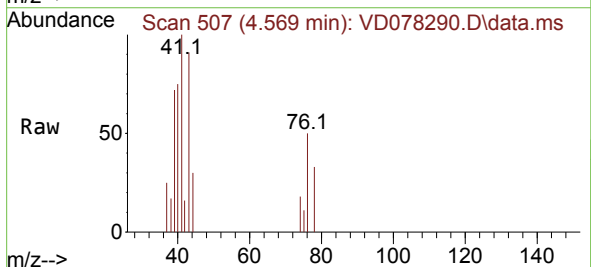
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

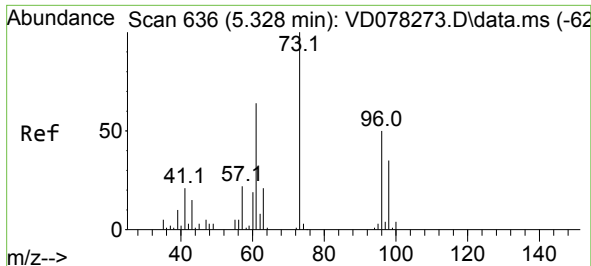
Tgt Ion: 76 Resp: 14892
Ion Ratio Lower Upper
76 100
78 12.1 6.8 10.2#



#18
Methyl Acetate
Concen: 6.659 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 43 Resp: 4359
Ion Ratio Lower Upper
43 100
74 12.4 26.4 39.6#

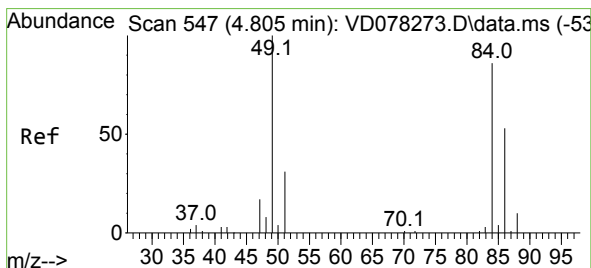
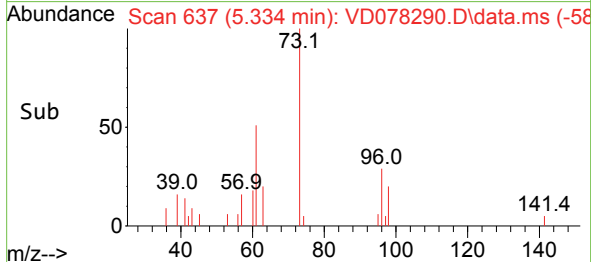
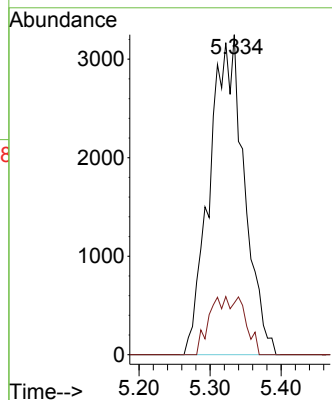
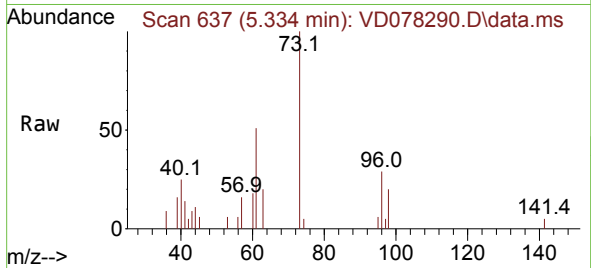




#19
Methyl tert-butyl Ether
Concen: 3.869 ug/l
RT: 5.334 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

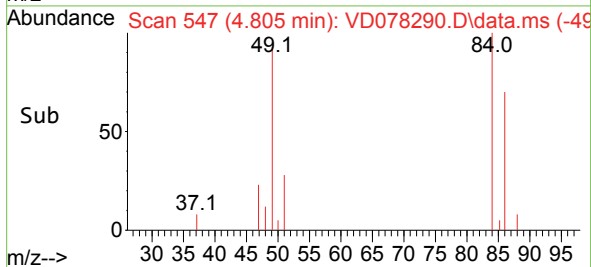
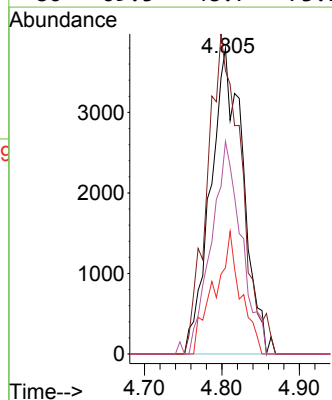
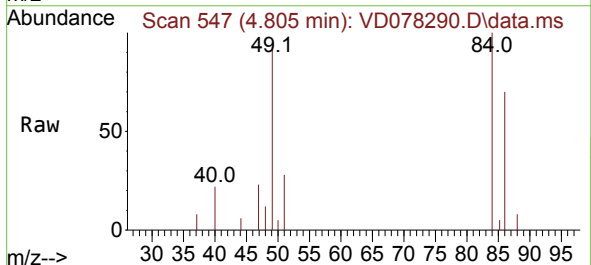
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

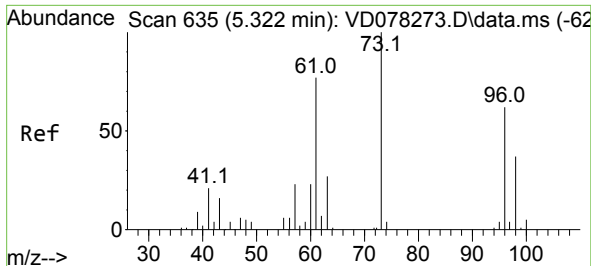
Tgt Ion: 73 Resp: 10982
Ion Ratio Lower Upper
73 100
57 16.2 16.6 25.0#



#20
Methylene Chloride
Concen: 6.536 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 84 Resp: 11152
Ion Ratio Lower Upper
84 100
49 92.6 71.4 107.2
51 28.2 24.5 36.7
86 69.5 48.7 73.1

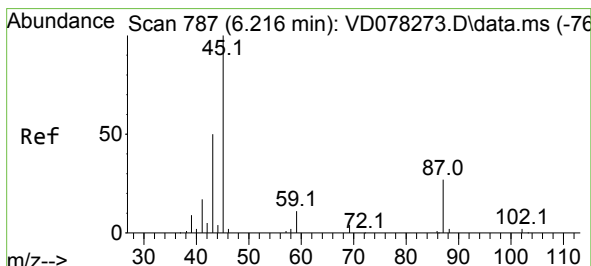
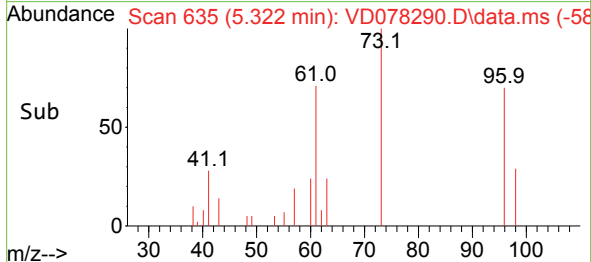
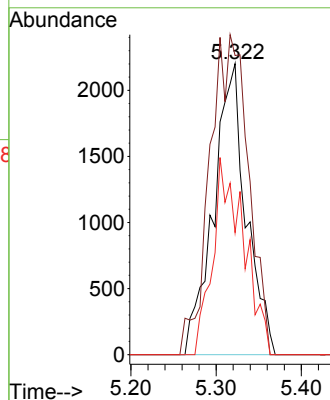
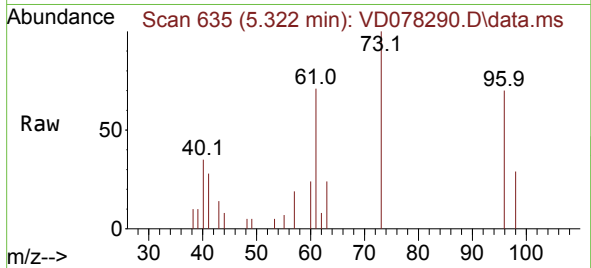




#21
trans-1,2-Dichloroethene
Concen: 3.811 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

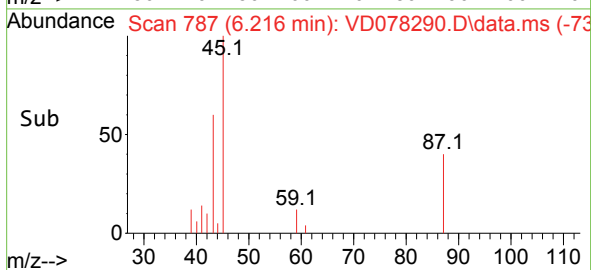
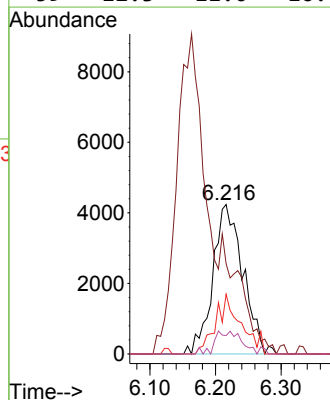
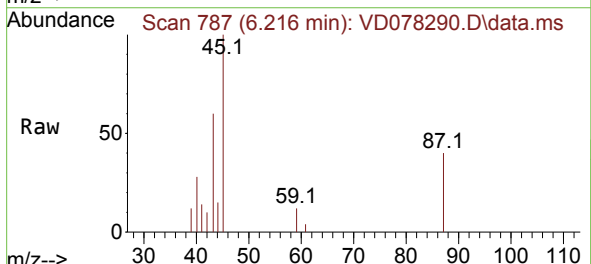
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

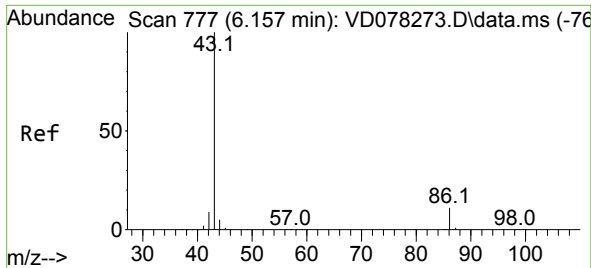
Tgt Ion: 96 Resp: 5881
Ion Ratio Lower Upper
96 100
61 102.8 89.3 133.9
98 41.9 48.6 73.0#



#22
Diisopropyl ether
Concen: 3.525 ug/l
RT: 6.216 min Scan# 787
Delta R.T. -0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 45 Resp: 13499
Ion Ratio Lower Upper
45 100
43 55.1 40.0 60.0
87 39.9 28.2 42.4
59 12.3 11.0 16.4

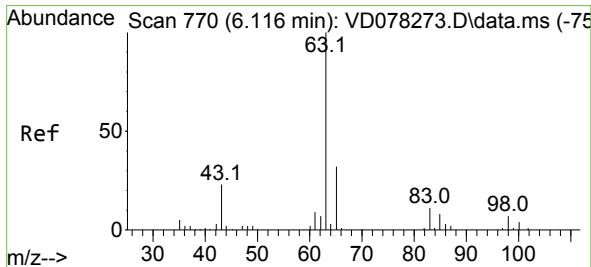
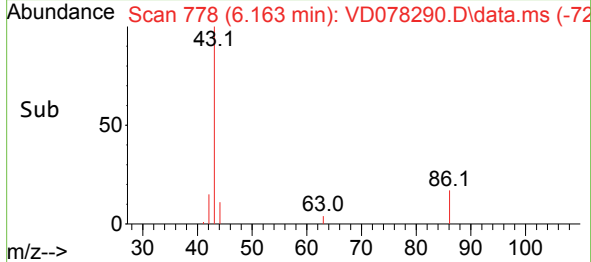
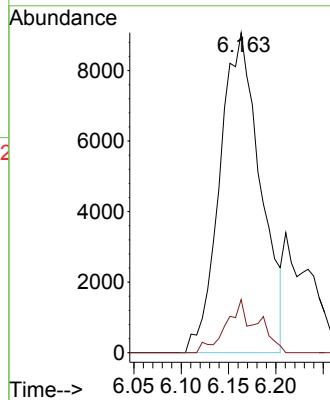
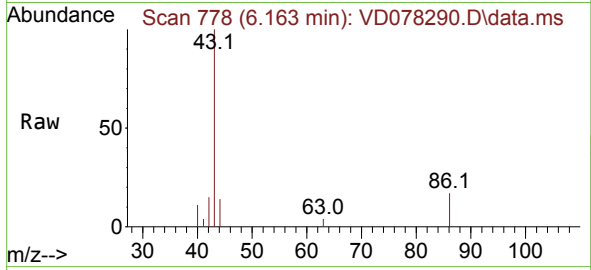




#23
 Vinyl Acetate
 Concen: 11.589 ug/l
 RT: 6.163 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD078290.D
 Acq: 31 Jan 2024 13:39

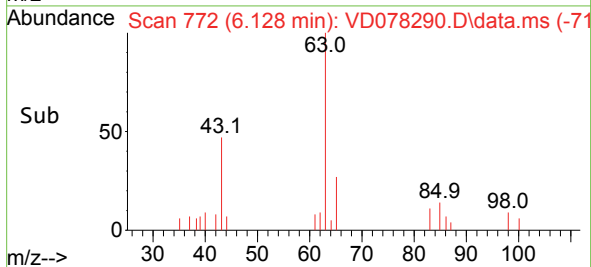
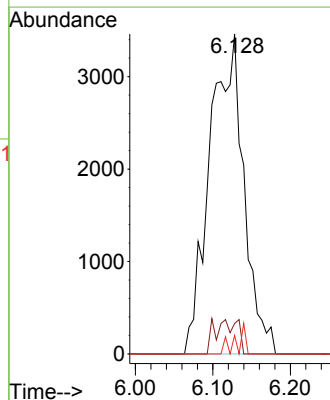
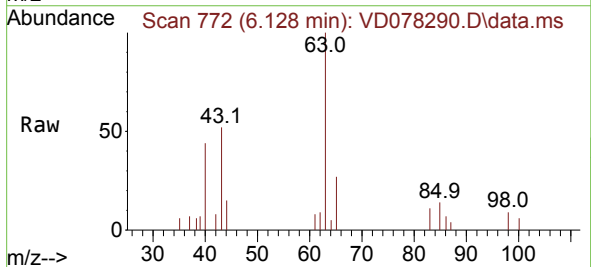
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

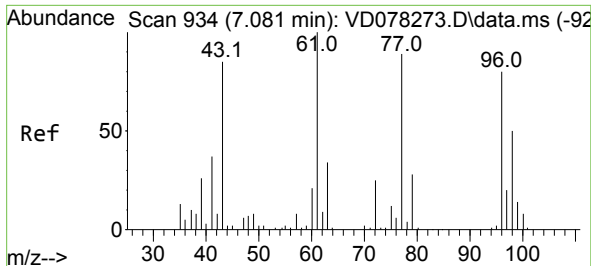
Tgt Ion: 43 Resp: 27073
 Ion Ratio Lower Upper
 43 100
 86 16.6 12.5 18.7



#24
 1,1-Dichloroethane
 Concen: 3.993 ug/l
 RT: 6.128 min Scan# 772
 Delta R.T. 0.012 min
 Lab File: VD078290.D
 Acq: 31 Jan 2024 13:39

Tgt Ion: 63 Resp: 10586
 Ion Ratio Lower Upper
 63 100
 98 9.5 4.5 13.7
 100 5.8 2.5 7.5

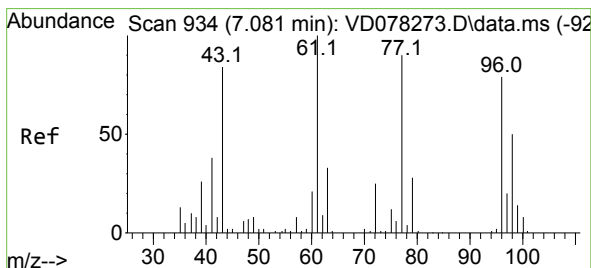
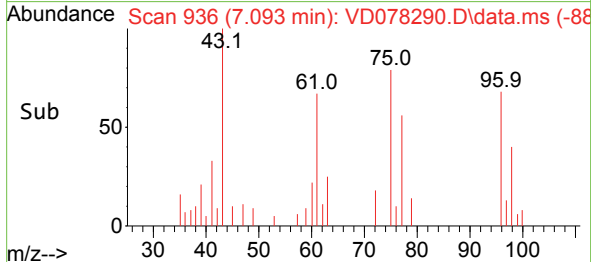
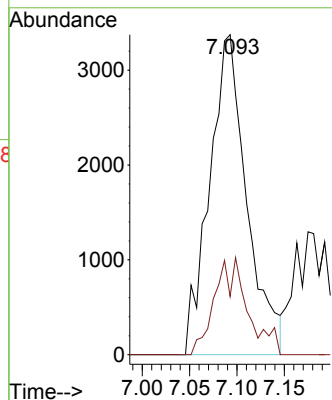
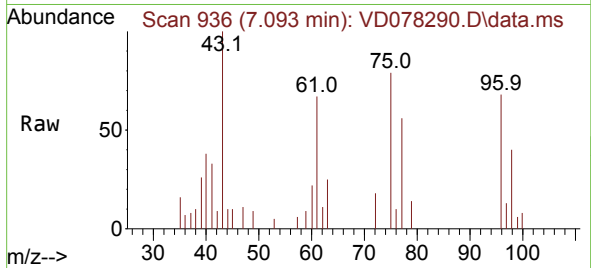




#25
2-Butanone
Concen: 22.516 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

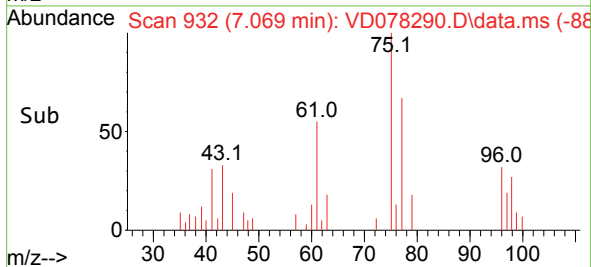
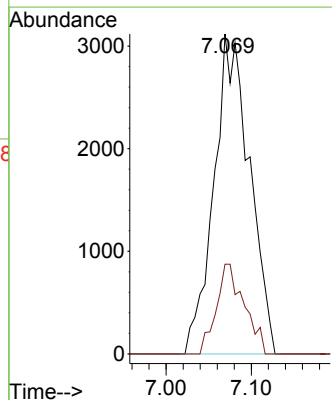
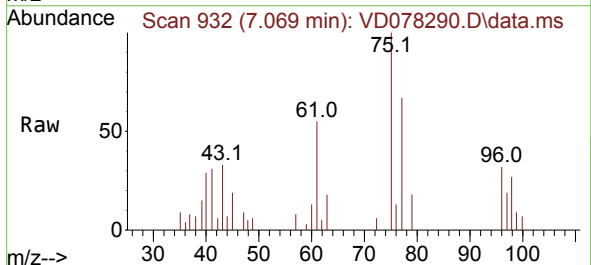
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

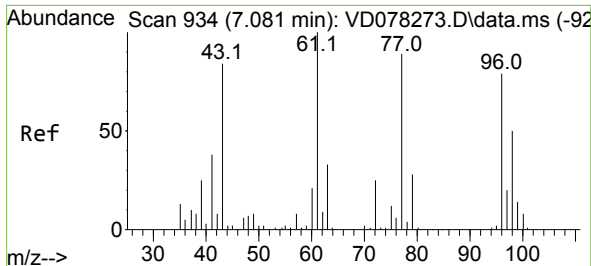
Tgt Ion: 43 Resp: 9215
Ion Ratio Lower Upper
43 100
72 18.2 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 4.184 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.012 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 77 Resp: 9059
Ion Ratio Lower Upper
77 100
97 21.9 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 3.941 ug/l

RT: 7.081 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

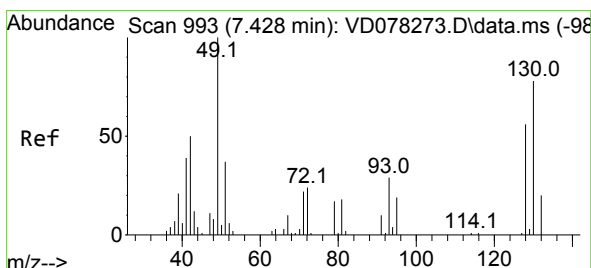
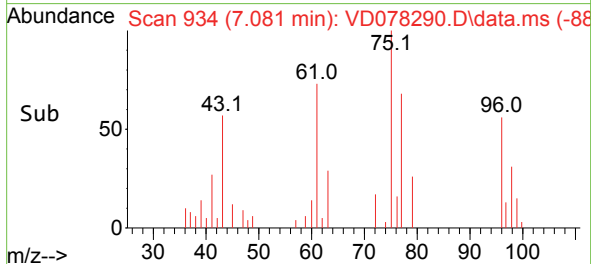
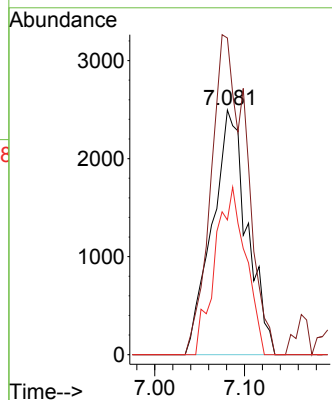
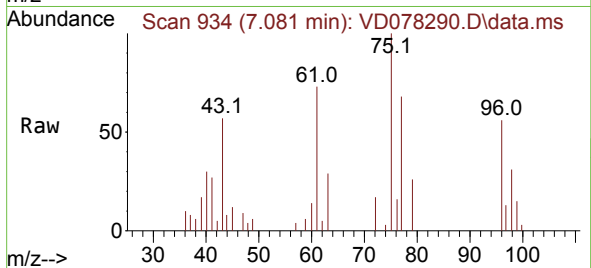
Tgt Ion: 96 Resp: 6741

Ion Ratio Lower Upper

96 100

61 132.7 0.0 239.2

98 60.2 0.0 128.6



#28

Bromochloromethane

Concen: 4.734 ug/l

RT: 7.434 min Scan# 994

Delta R.T. 0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

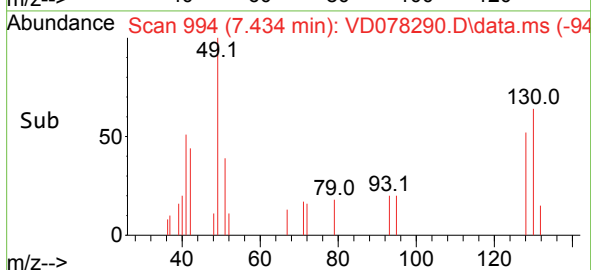
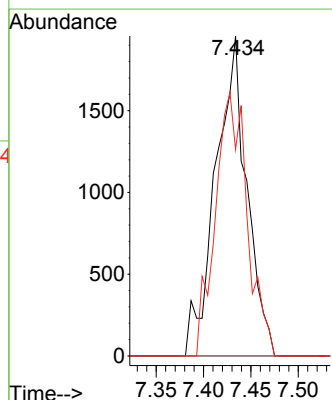
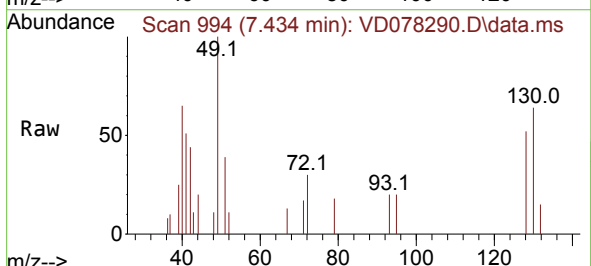
Tgt Ion: 49 Resp: 4476

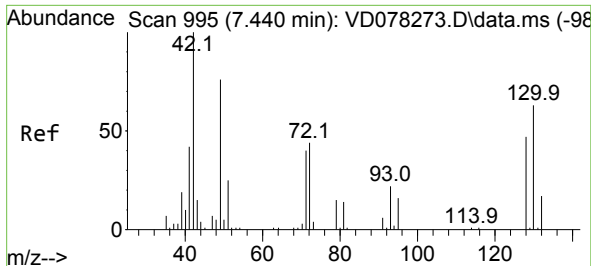
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 84.6 83.2 124.8





#29

Tetrahydrofuran

Concen: 9.098 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

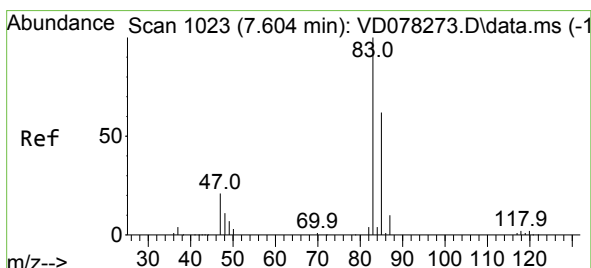
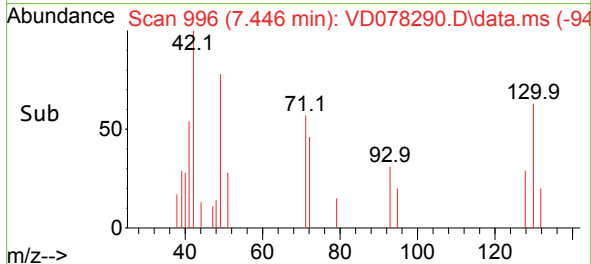
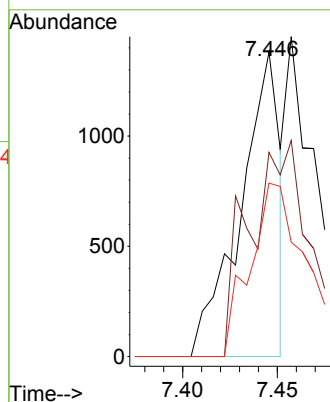
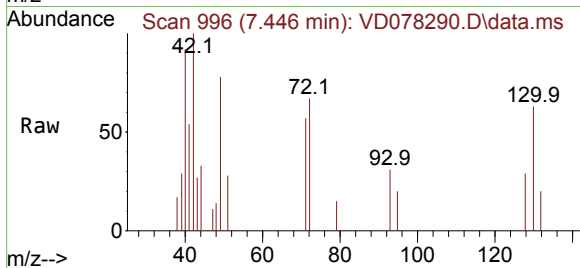
Tgt Ion: 42 Resp: 1992

Ion Ratio Lower Upper

42 100

72 112.8 46.5 69.7#

71 77.3 44.5 66.7#



#30

Chloroform

Concen: 4.031 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.012 min

Lab File: VD078290.D

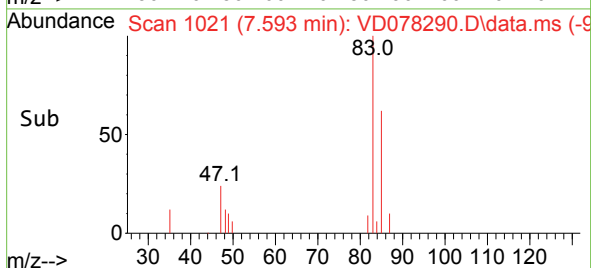
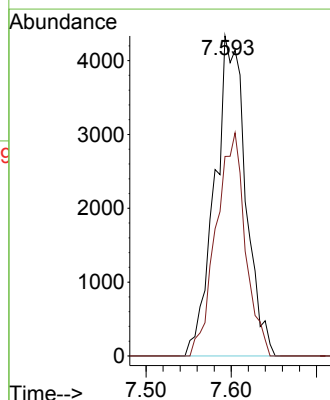
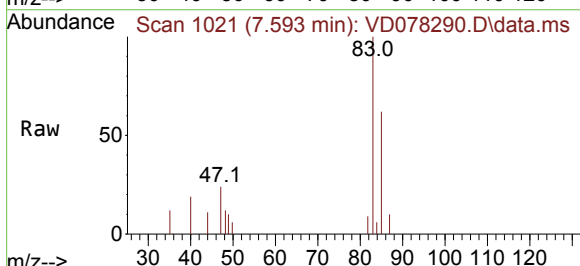
Acq: 31 Jan 2024 13:39

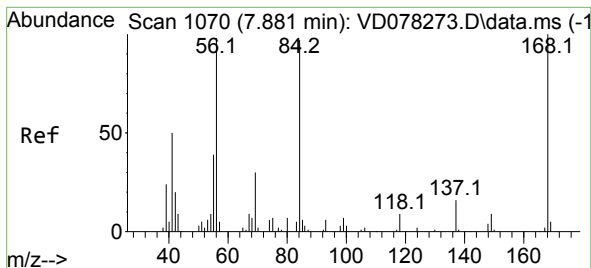
Tgt Ion: 83 Resp: 10926

Ion Ratio Lower Upper

83 100

85 62.4 53.4 80.2





#31

Cyclohexane

Concen: 4.218 ug/l

RT: 7.887 min Scan# 1070

Delta R.T. 0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

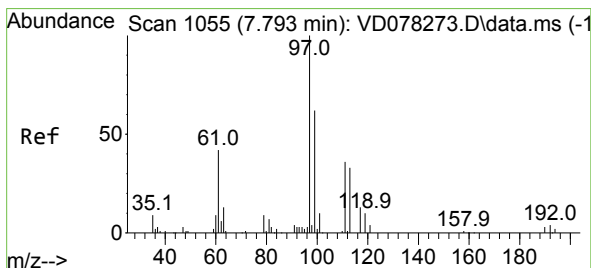
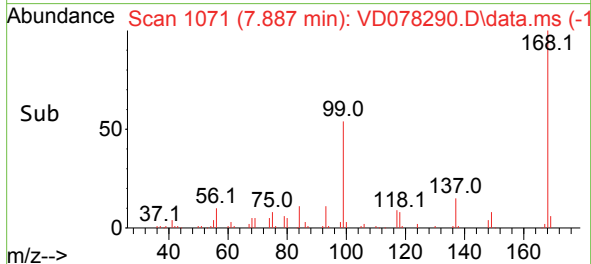
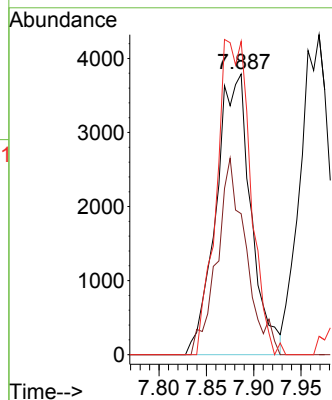
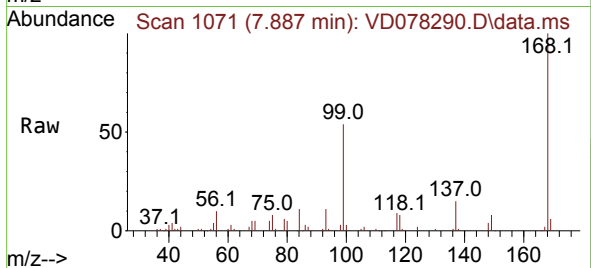
Tgt Ion: 56 Resp: 9702

Ion Ratio Lower Upper

56 100

69 50.3 28.6 43.0#

84 111.6 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 3.944 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

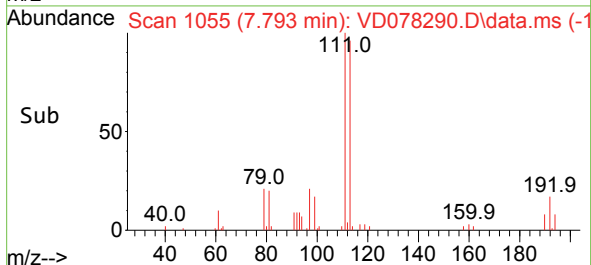
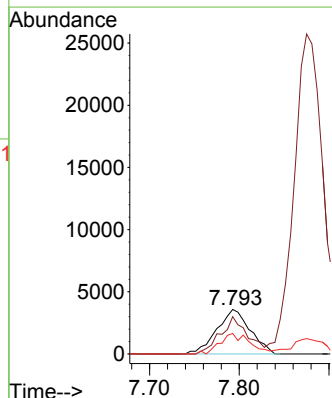
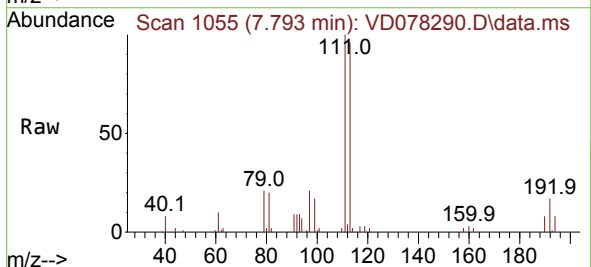
Tgt Ion: 97 Resp: 9212

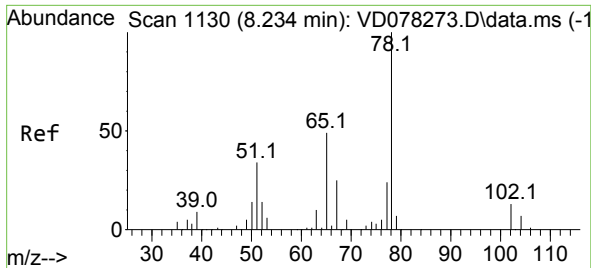
Ion Ratio Lower Upper

97 100

99 68.5 52.0 78.0

61 41.3 33.8 50.8

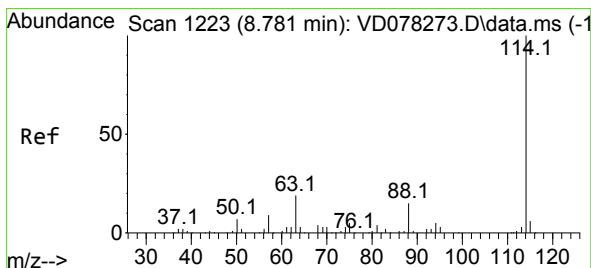
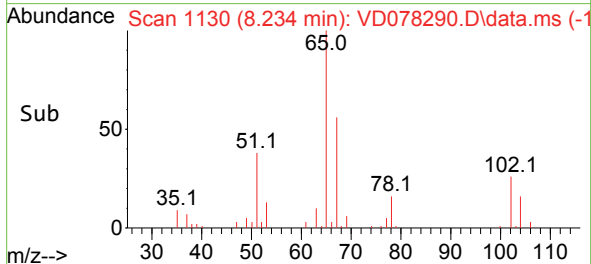
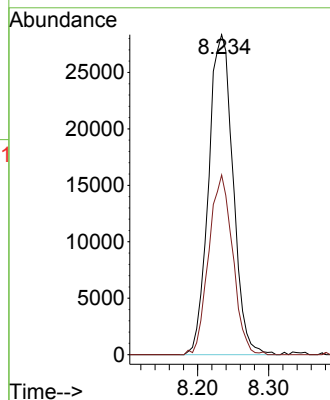
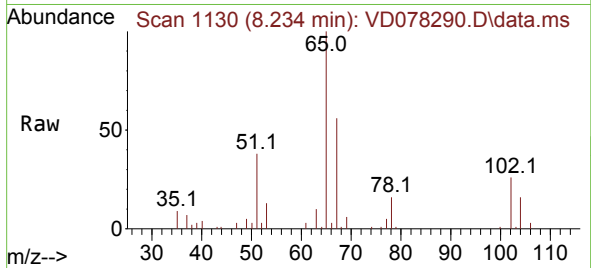




#33
1,2-Dichloroethane-d4
Concen: 55.090 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

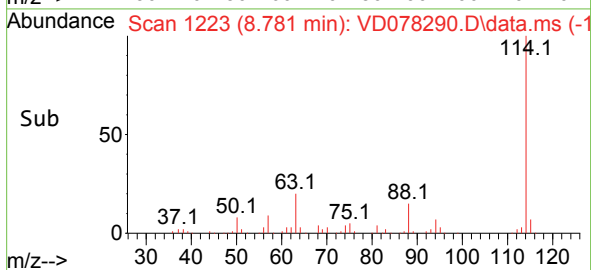
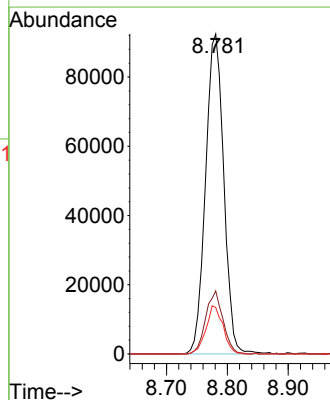
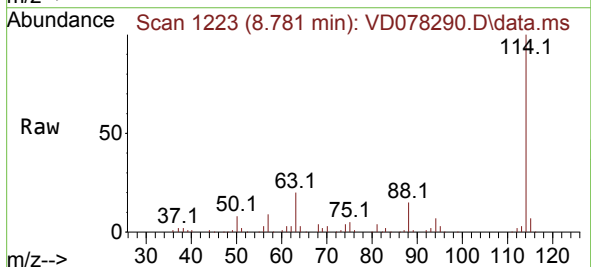
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

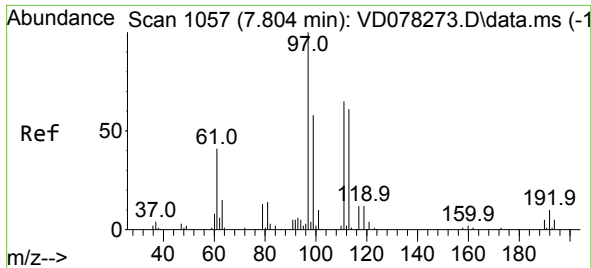
Tgt Ion: 65 Resp: 67663
Ion Ratio Lower Upper
65 100
67 55.0 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.781 min Scan# 1223
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion:114 Resp: 192015
Ion Ratio Lower Upper
114 100
63 19.7 0.0 33.4
88 14.6 0.0 26.2

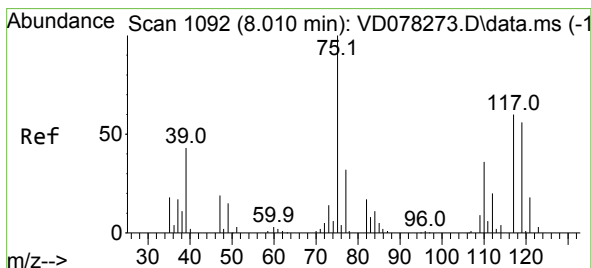
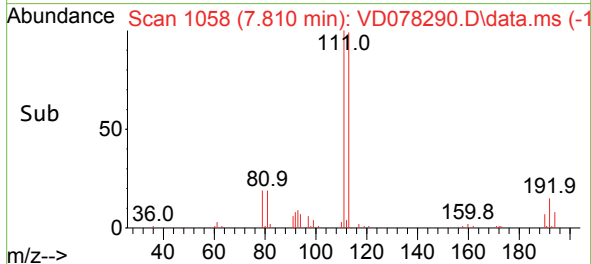
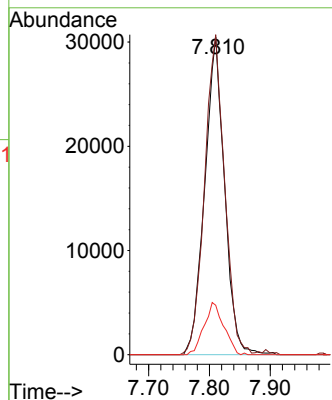
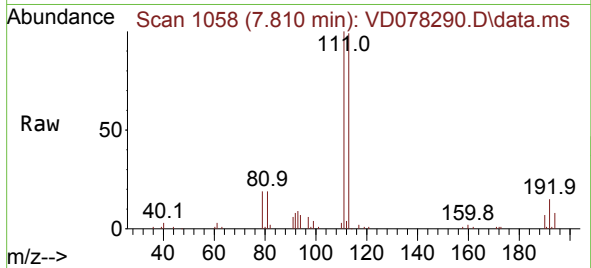




#35
Dibromofluoromethane
Concen: 50.491 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

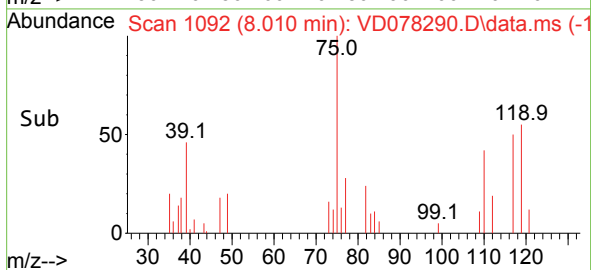
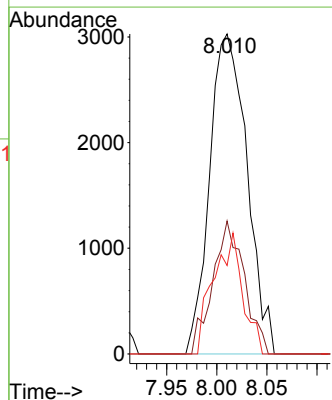
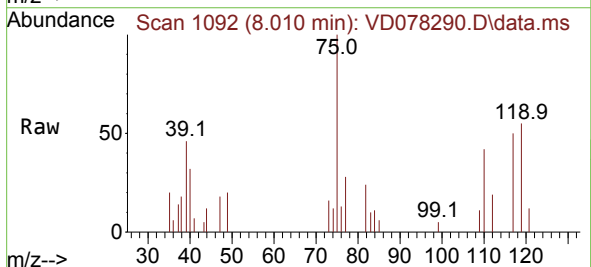
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

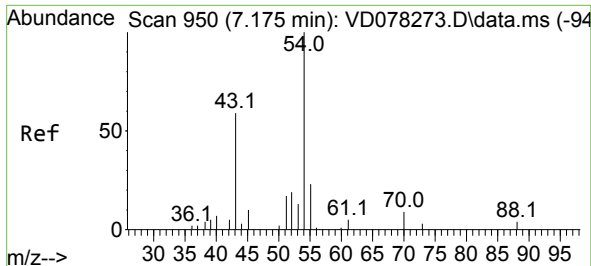
Tgt Ion:113 Resp: 69022
Ion Ratio Lower Upper
113 100
111 101.8 84.7 127.1
192 16.4 16.8 25.2#



#36
1,1-Dichloropropene
Concen: 3.467 ug/l
RT: 8.010 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 75 Resp: 7859
Ion Ratio Lower Upper
75 100
110 35.1 19.9 59.6
77 29.6 24.7 37.1





#37

Ethyl Acetate

Concen: 3.793 ug/l

RT: 7.175 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

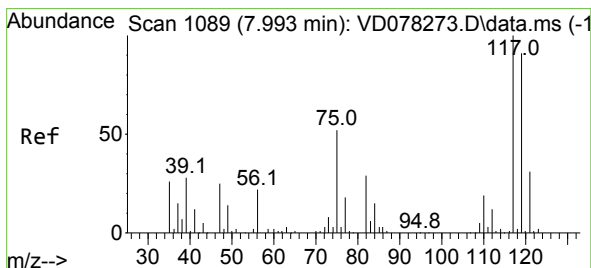
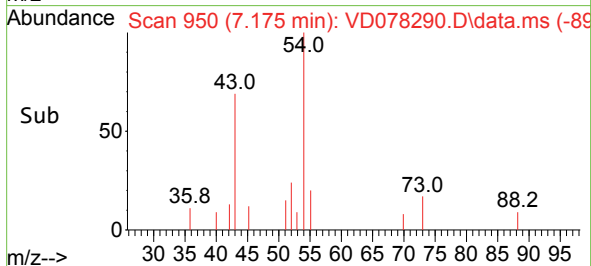
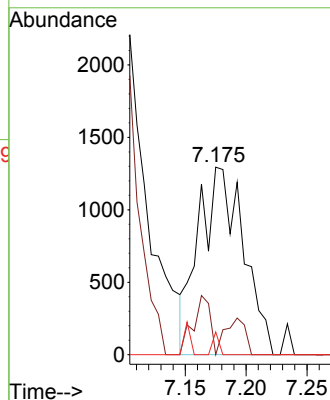
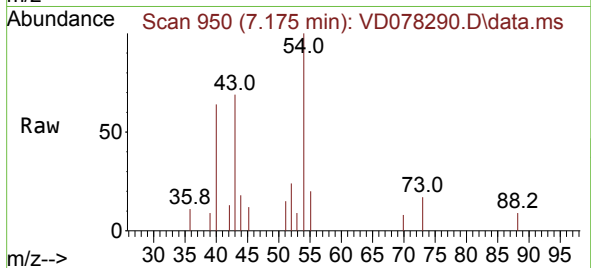
Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion:	43	Resp:	3309
Ion	Ratio	Lower	Upper
43	100		
61	12.1	14.9	22.3#
70	1.7	10.0	15.0#



#38

Carbon Tetrachloride

Concen: 3.320 ug/l

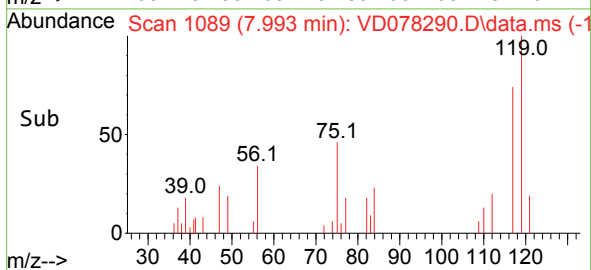
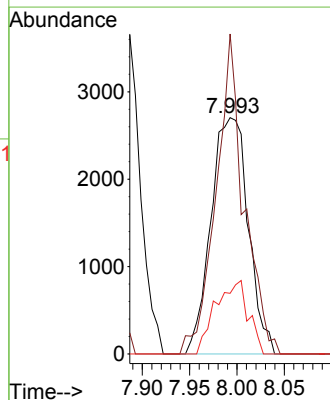
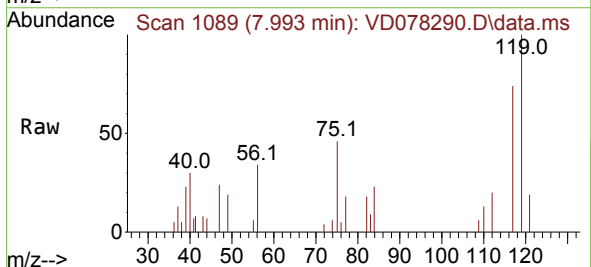
RT: 7.993 min Scan# 1089

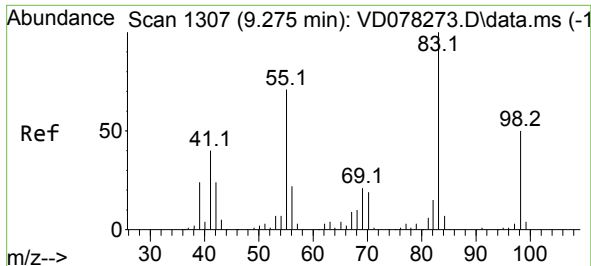
Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Tgt Ion:	117	Resp:	7401
Ion	Ratio	Lower	Upper
117	100		
119	135.4	78.0	117.0#
121	25.6	24.2	36.2





#39

Methylcyclohexane

Concen: 3.033 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

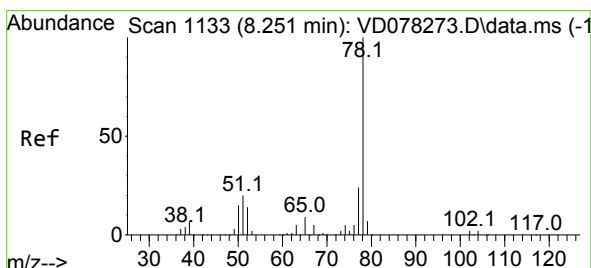
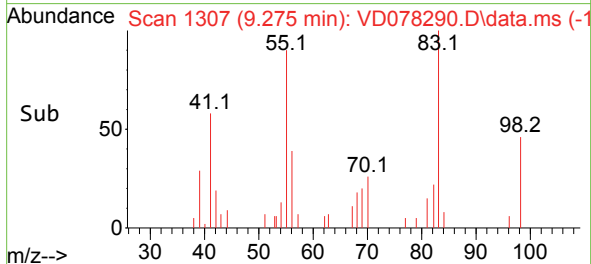
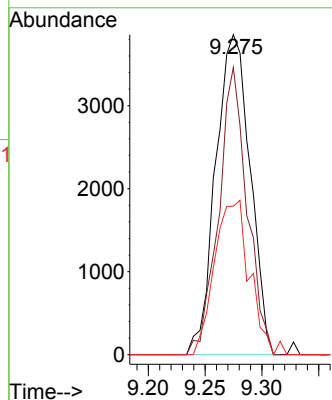
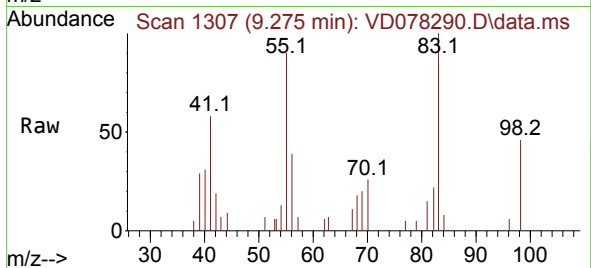
Tgt Ion: 83 Resp: 8129

Ion Ratio Lower Upper

83 100

55 89.7 49.4 74.0#

98 46.4 38.4 57.6



#40

Benzene

Concen: 3.527 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. 0.000 min

Lab File: VD078290.D

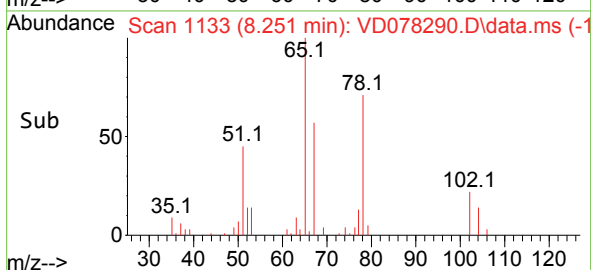
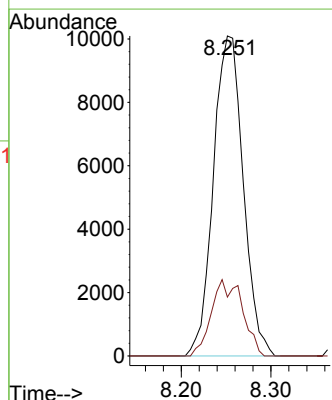
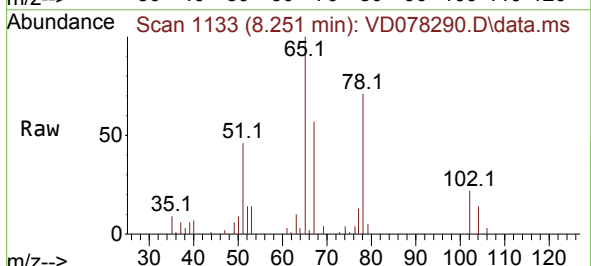
Acq: 31 Jan 2024 13:39

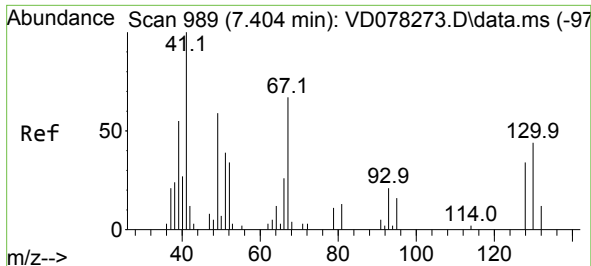
Tgt Ion: 78 Resp: 23331

Ion Ratio Lower Upper

78 100

77 18.4 19.4 29.0#

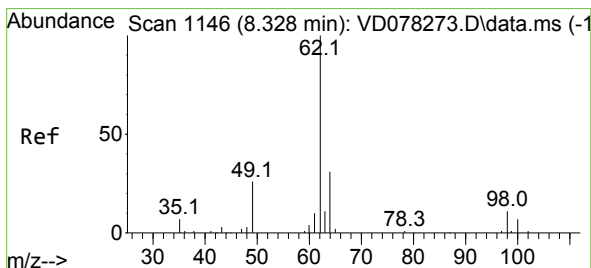
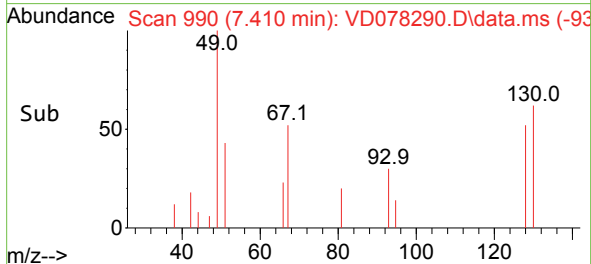
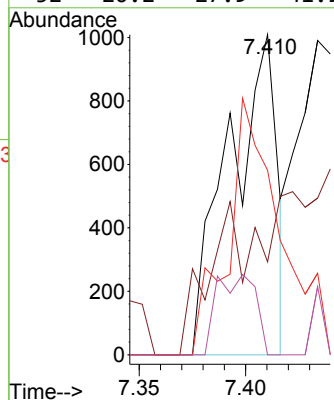
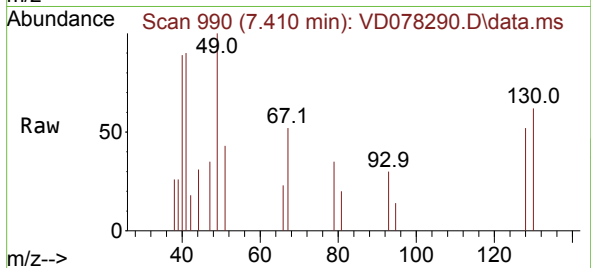




#41
Methacrylonitrile
Concen: 3.394 ug/l
RT: 7.410 min Scan# 990
Delta R.T. 0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

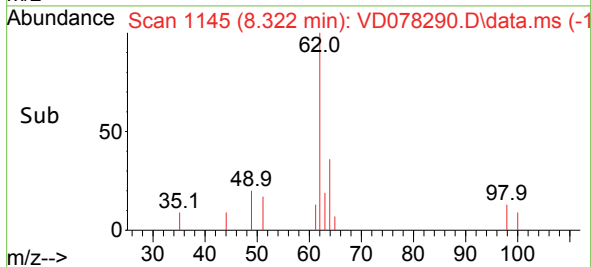
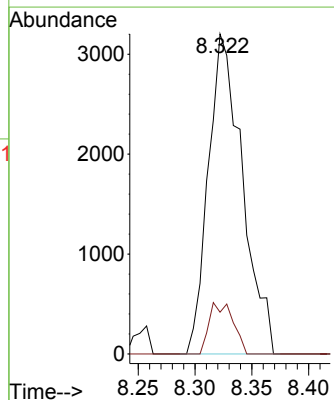
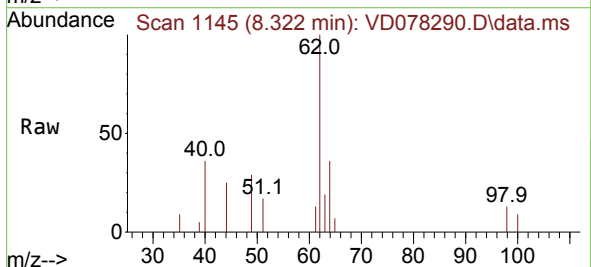
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

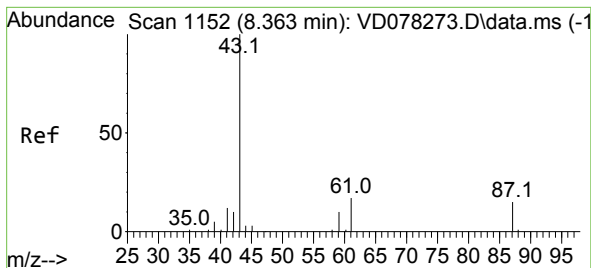
Tgt Ion:	41	Resp:	1592
Ion	Ratio	Lower	Upper
41	100		
39	32.9	34.0	51.0#
67	86.3	77.0	115.4
52	20.2	27.9	41.9#



#42
1,2-Dichloroethane
Concen: 3.890 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion:	62	Resp:	6673
Ion	Ratio	Lower	Upper
62	100		
98	11.3	0.0	25.4





#43

Isopropyl Acetate

Concen: 3.559 ug/l

RT: 8.363 min Scan# 1152

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

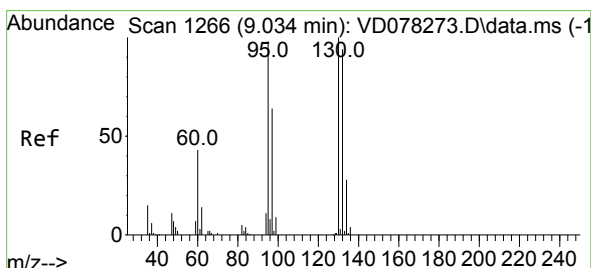
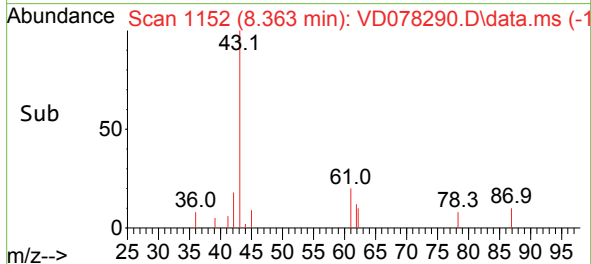
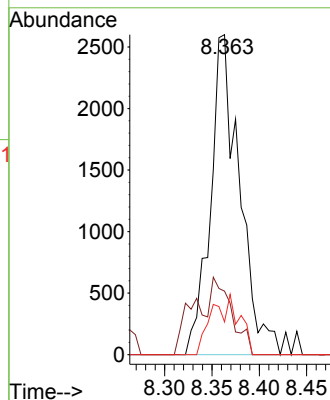
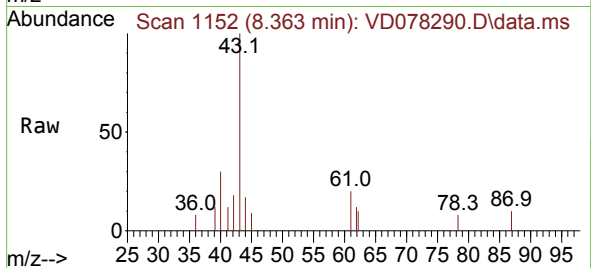
Tgt Ion: 43 Resp: 5567

Ion Ratio Lower Upper

43 100

61 16.9 31.4 47.0#

87 9.4 14.9 22.3#



#44

Trichloroethene

Concen: 3.498 ug/l

RT: 9.034 min Scan# 1266

Delta R.T. -0.000 min

Lab File: VD078290.D

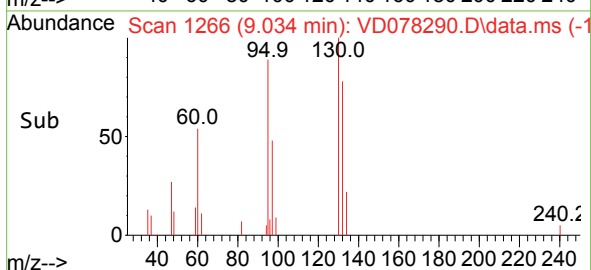
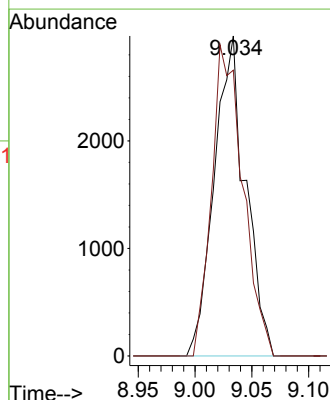
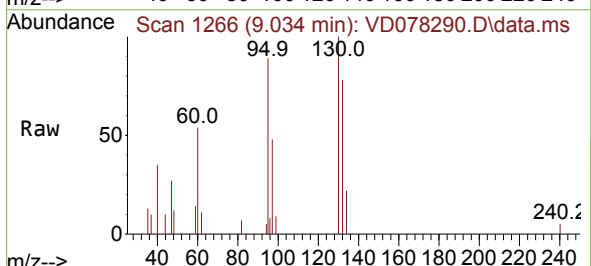
Acq: 31 Jan 2024 13:39

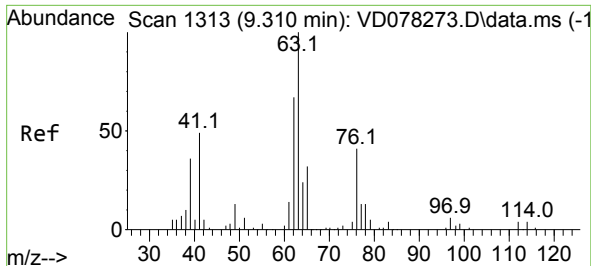
Tgt Ion:130 Resp: 5682

Ion Ratio Lower Upper

130 100

95 89.3 0.0 179.2





#45

1,2-Dichloropropane

Concen: 3.593 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

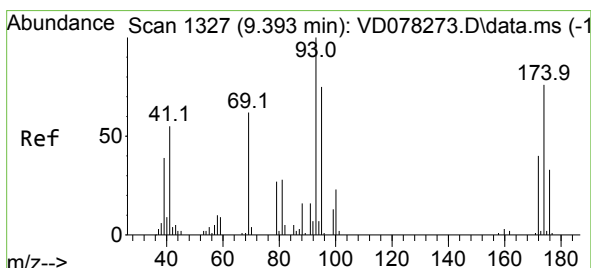
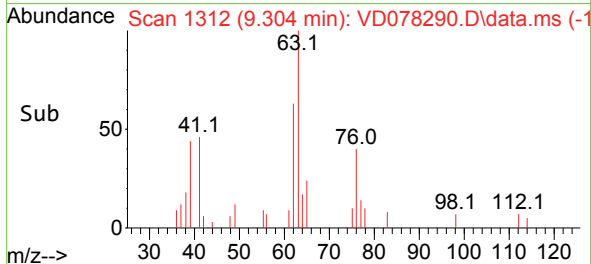
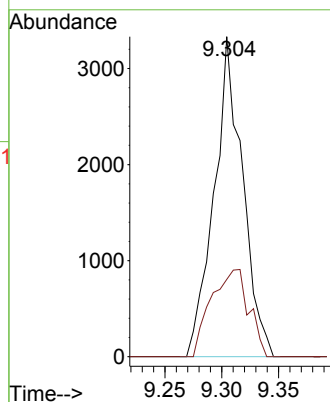
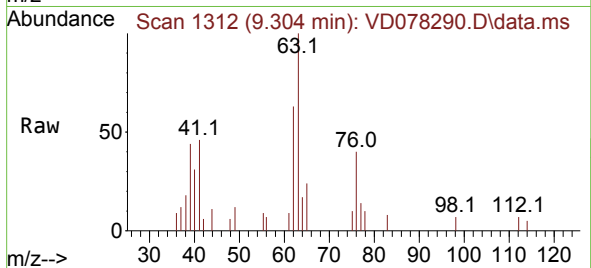
MDL-SOIL-03-QT1-2024

Tgt Ion: 63 Resp: 5811

Ion Ratio Lower Upper

63 100

65 24.1 24.5 36.7#



#46

Dibromomethane

Concen: 3.632 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

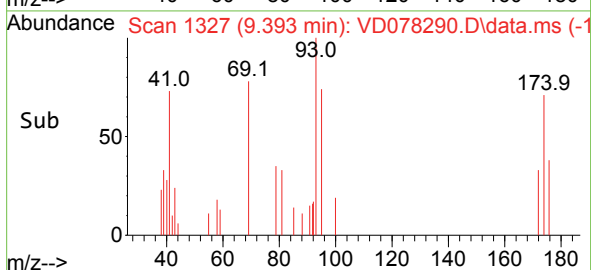
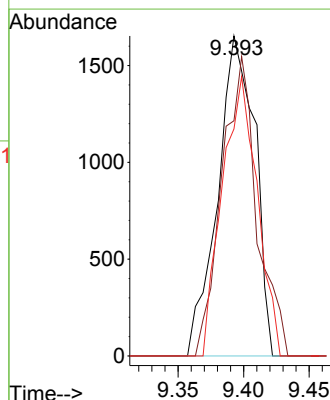
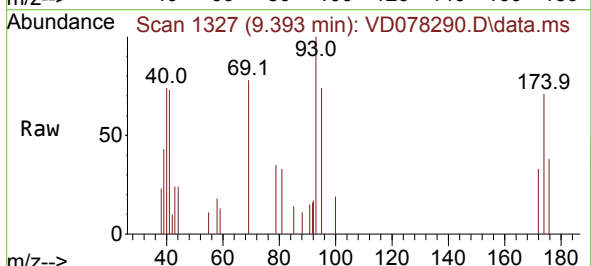
Tgt Ion: 93 Resp: 3259

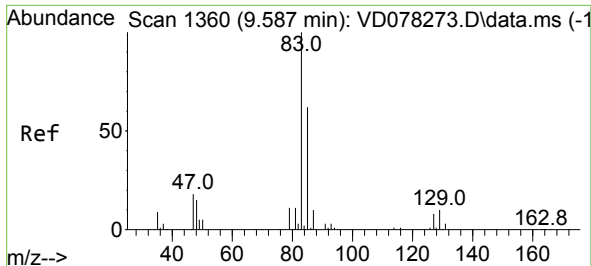
Ion Ratio Lower Upper

93 100

95 88.2 67.7 101.5

174 82.1 85.4 128.2#

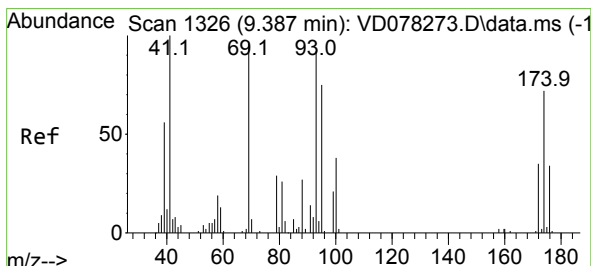
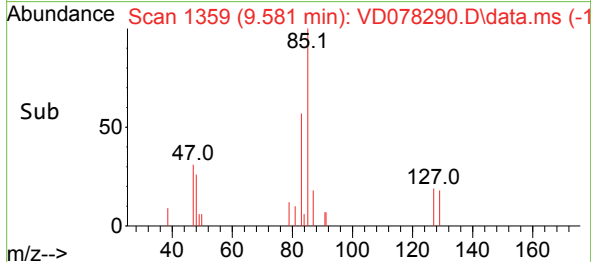
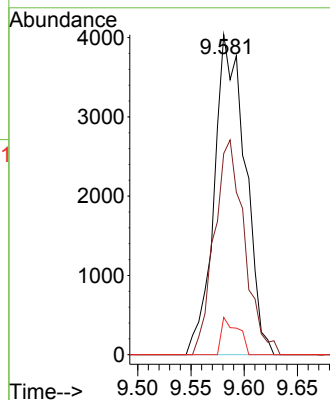
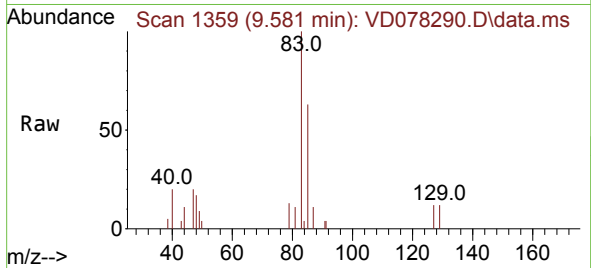




#47
Bromodichloromethane
Concen: 3.710 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

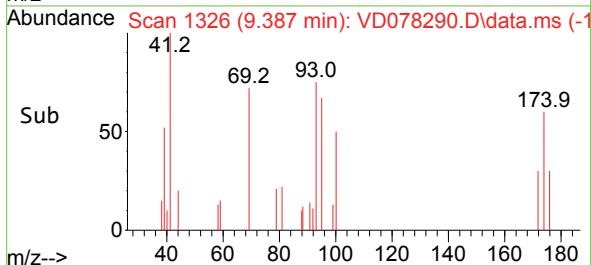
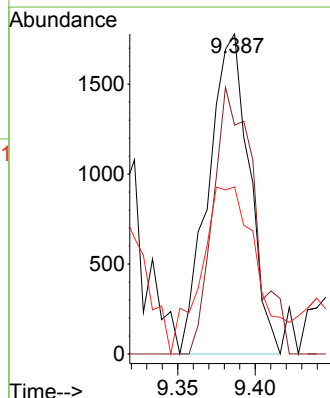
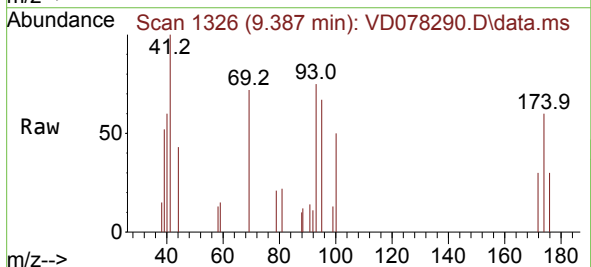
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

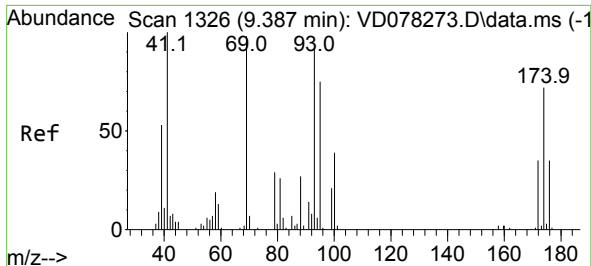
Tgt Ion: 83 Resp: 8191
Ion Ratio Lower Upper
83 100
85 62.8 50.2 75.4
127 11.6 6.3 9.5#



#48
Methyl methacrylate
Concen: 4.346 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 41 Resp: 3249
Ion Ratio Lower Upper
41 100
69 84.4 102.2 153.2#
39 71.3 41.4 62.2#





#49

1,4-Dioxane

Concen: 55.439 ug/l

RT: 9.387 min Scan# 1326

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

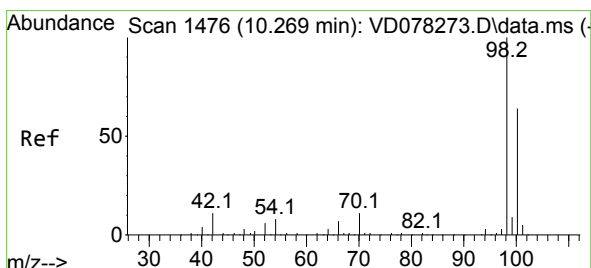
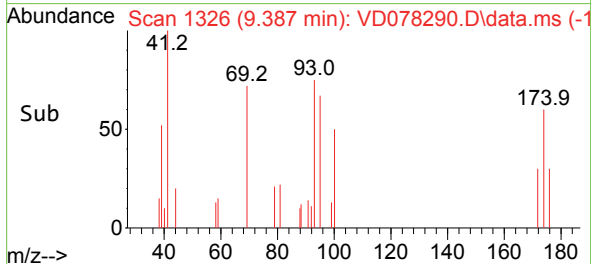
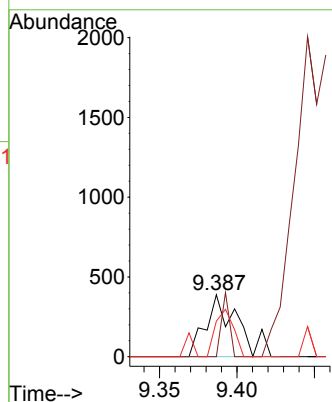
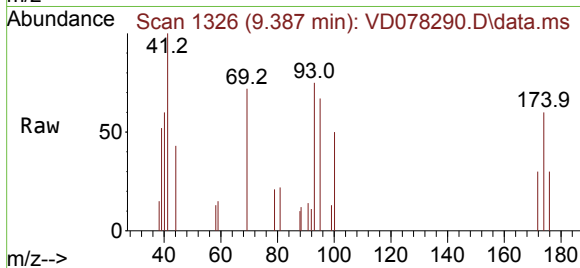
Tgt Ion: 88 Resp: 558

Ion Ratio Lower Upper

88 100

43 25.4 19.0 28.6

58 43.5 43.5 65.3



#50

Toluene-d8

Concen: 50.062 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078290.D

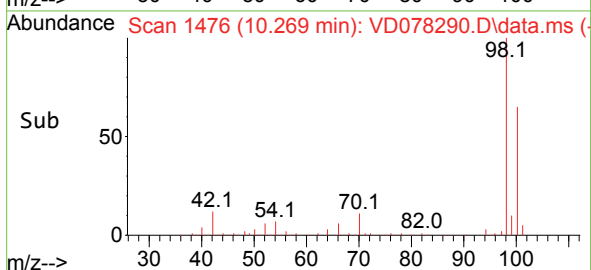
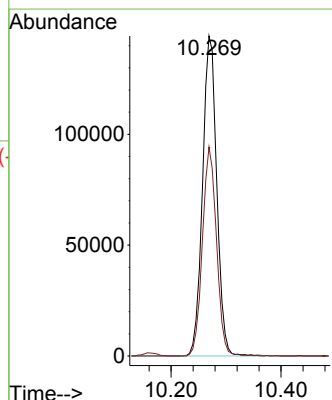
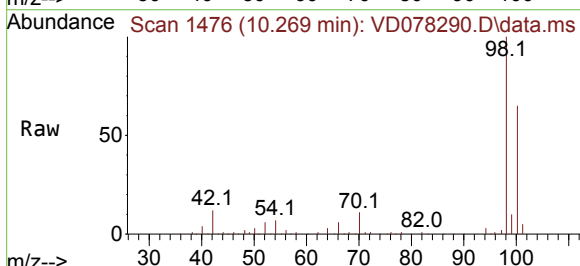
Acq: 31 Jan 2024 13:39

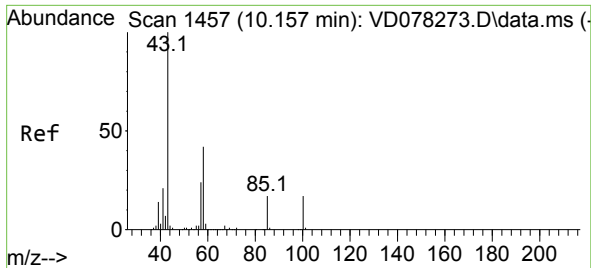
Tgt Ion: 98 Resp: 259100

Ion Ratio Lower Upper

98 100

100 64.8 50.3 75.5

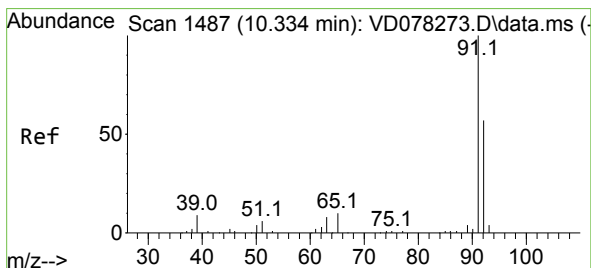
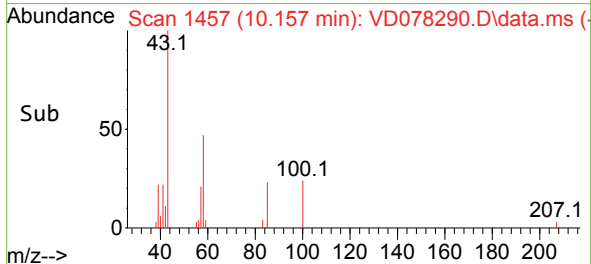
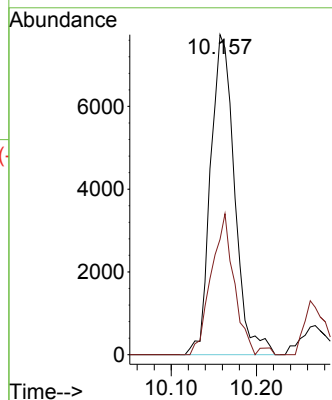
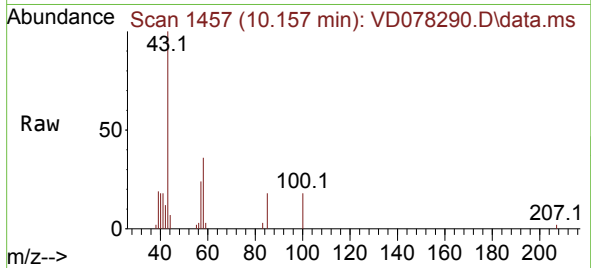




#51
4-Methyl-2-Pentanone
Concen: 17.890 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

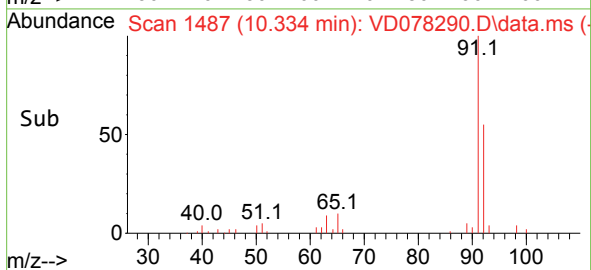
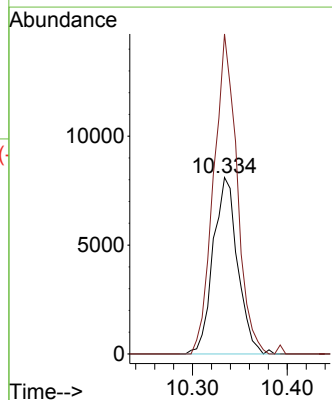
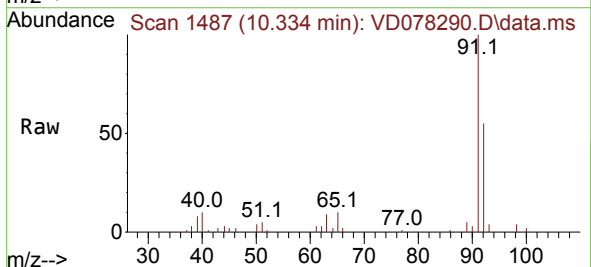
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

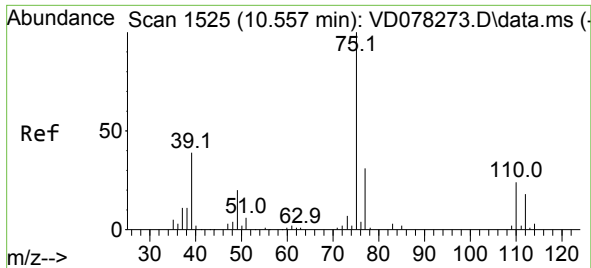
Tgt Ion: 43 Resp: 15139
Ion Ratio Lower Upper
43 100
58 41.7 38.9 58.3



#52
Toluene
Concen: 3.627 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 92 Resp: 14553
Ion Ratio Lower Upper
92 100
91 172.7 143.0 214.4

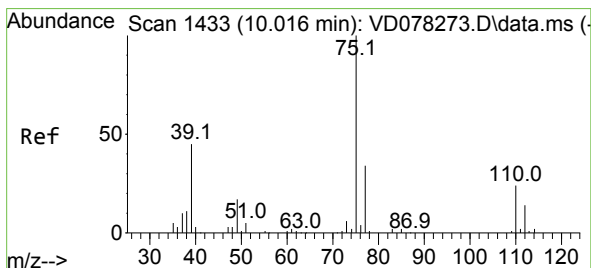
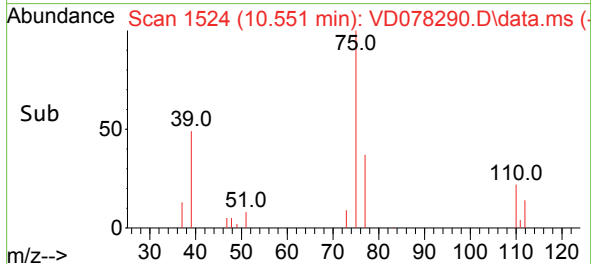
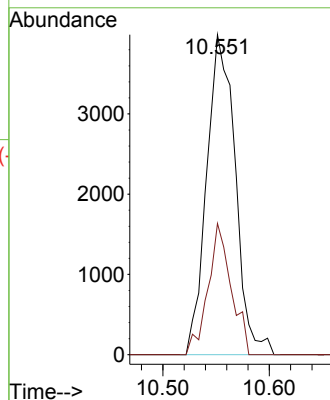
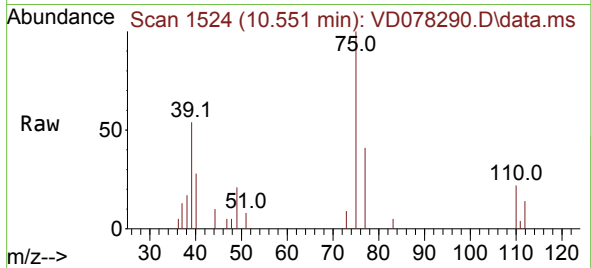




#53
 t-1,3-Dichloropropene
 Concen: 3.605 ug/l
 RT: 10.551 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VD078290.D
 Acq: 31 Jan 2024 13:39

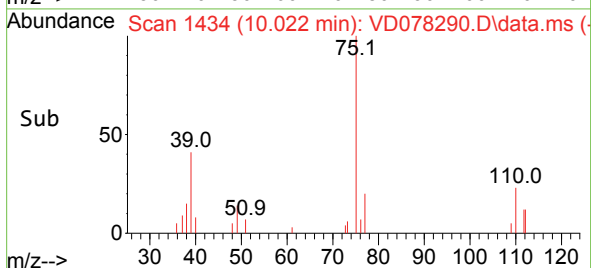
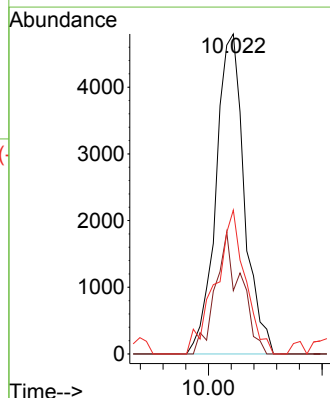
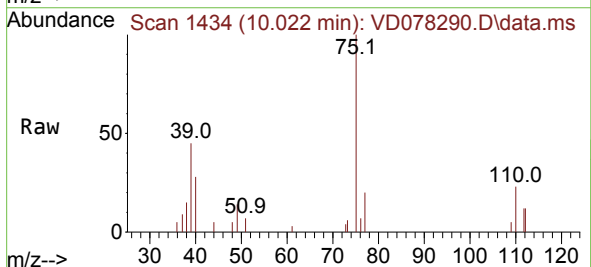
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

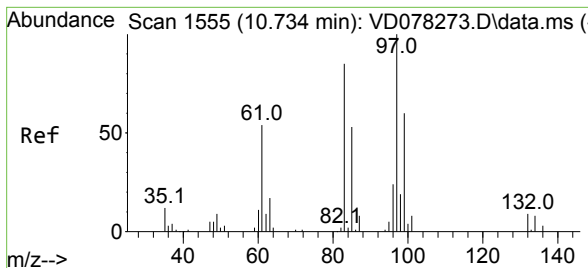
Tgt Ion: 75 Resp: 7434
 Ion Ratio Lower Upper
 75 100
 77 41.0 25.3 37.9#



#54
 cis-1,3-Dichloropropene
 Concen: 3.408 ug/l
 RT: 10.022 min Scan# 1434
 Delta R.T. 0.006 min
 Lab File: VD078290.D
 Acq: 31 Jan 2024 13:39

Tgt Ion: 75 Resp: 8319
 Ion Ratio Lower Upper
 75 100
 77 19.8 25.5 38.3#
 39 45.0 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 3.699 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

Tgt Ion: 97 Resp: 4331

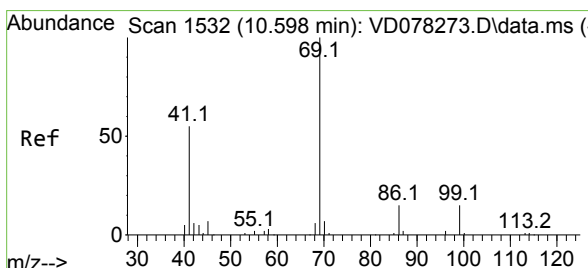
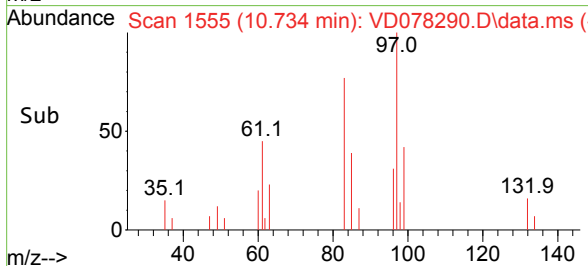
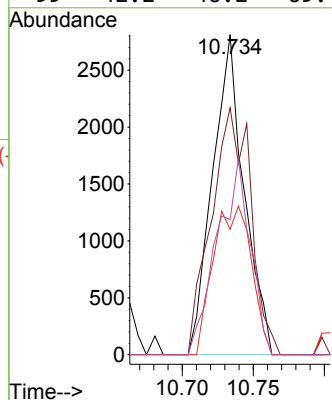
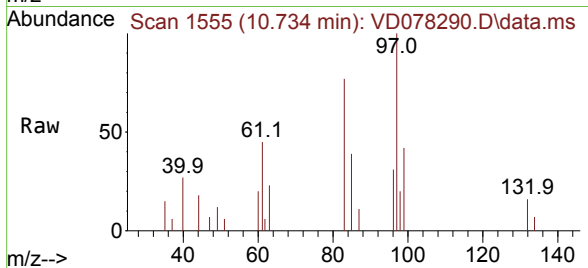
Ion Ratio Lower Upper

97 100

83 77.2 65.8 98.6

85 39.2 45.7 68.5#

99 42.2 46.2 69.4#



#56

Ethyl methacrylate

Concen: 2.434 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

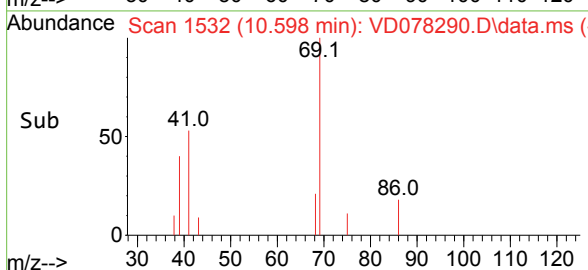
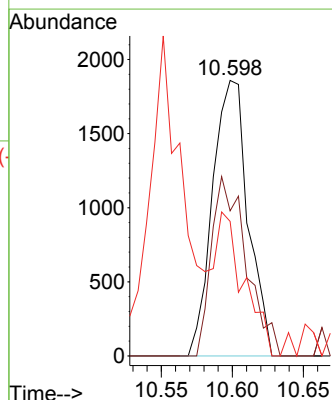
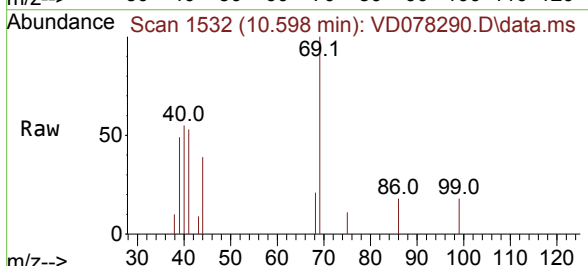
Tgt Ion: 69 Resp: 3233

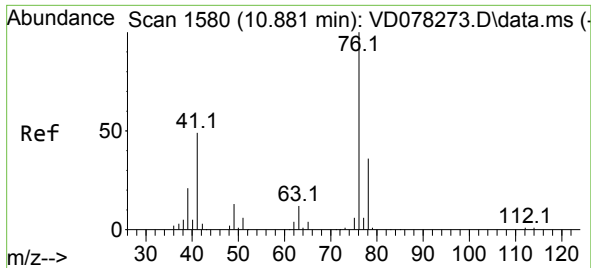
Ion Ratio Lower Upper

69 100

41 64.1 39.1 58.7#

39 43.8 20.0 30.0#

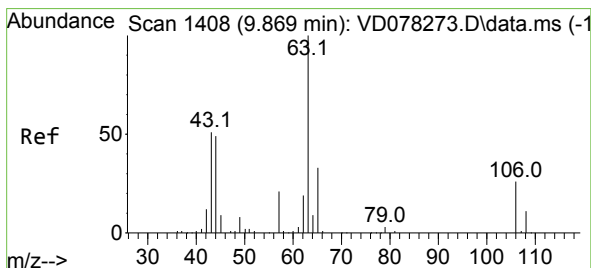
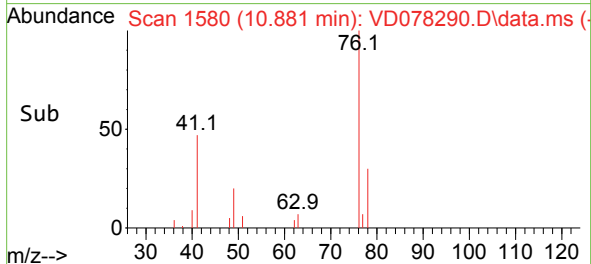
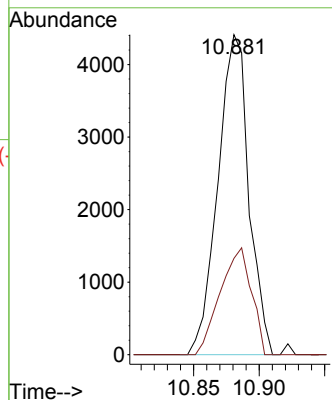
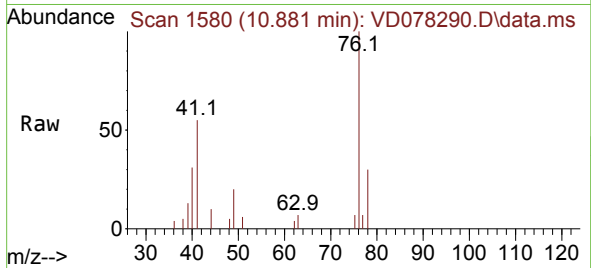




#57
1,3-Dichloropropane
Concen: 3.583 ug/l
RT: 10.881 min Scan# 1580
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

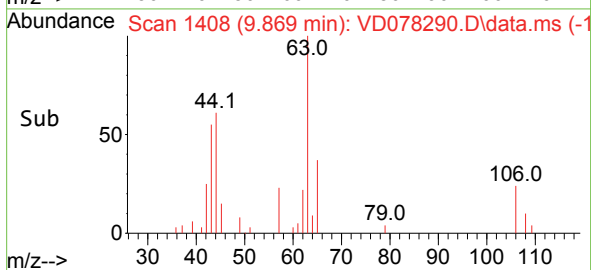
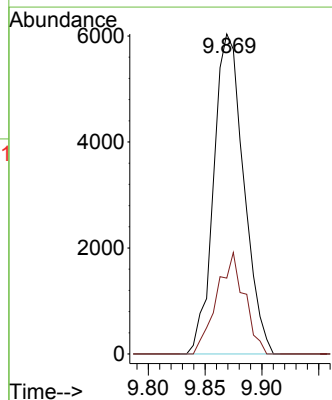
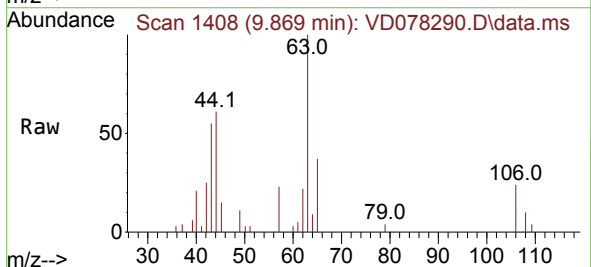
Instrument : MSVOA_D
ClientSampleId : MDL-SOIL-03-QT1-2024

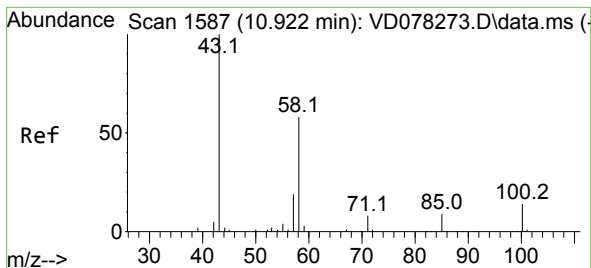
Tgt Ion: 76 Resp: 7234
Ion Ratio Lower Upper
76 100
78 33.7 26.4 39.6



#58
2-Chloroethyl Vinyl ether
Concen: 18.445 ug/l
RT: 9.869 min Scan# 1408
Delta R.T. -0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 63 Resp: 11140
Ion Ratio Lower Upper
63 100
106 29.2 25.3 37.9





#59

2-Hexanone

Concen: 17.093 ug/l

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

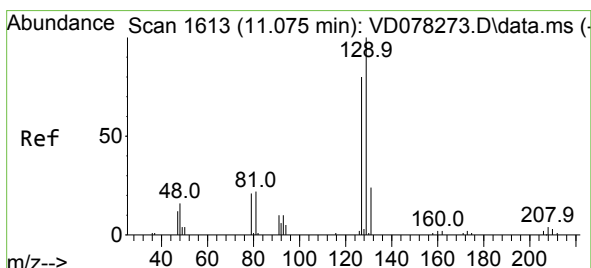
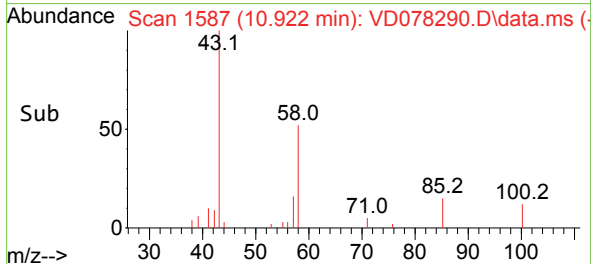
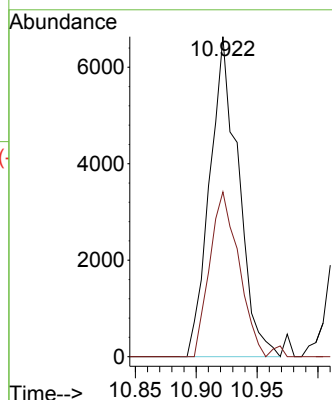
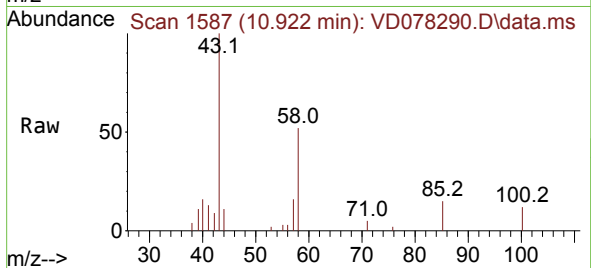
MDL-SOIL-03-QT1-2024

Tgt Ion: 43 Resp: 10894

Ion Ratio Lower Upper

43 100

58 52.0 34.1 102.2



#60

Dibromochloromethane

Concen: 3.679 ug/l

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD078290.D

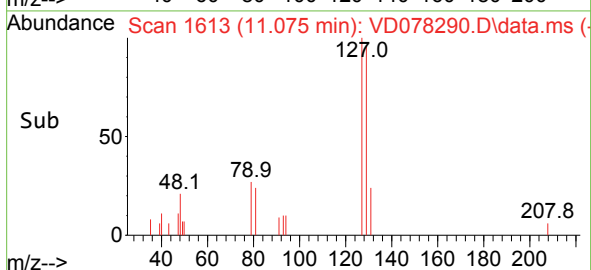
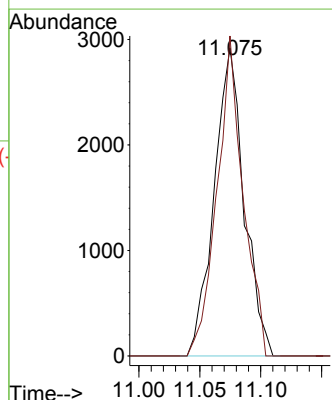
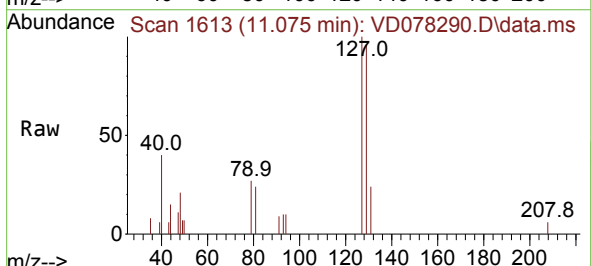
Acq: 31 Jan 2024 13:39

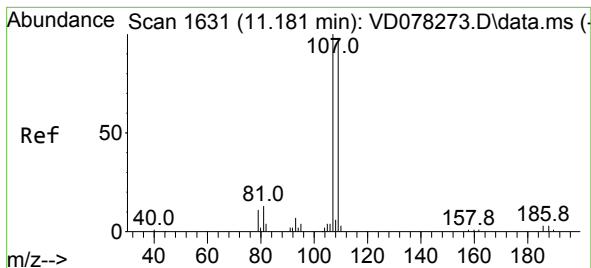
Tgt Ion: 129 Resp: 5001

Ion Ratio Lower Upper

129 100

127 90.5 37.1 111.5





#61

1,2-Dibromoethane

Concen: 3.280 ug/l

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

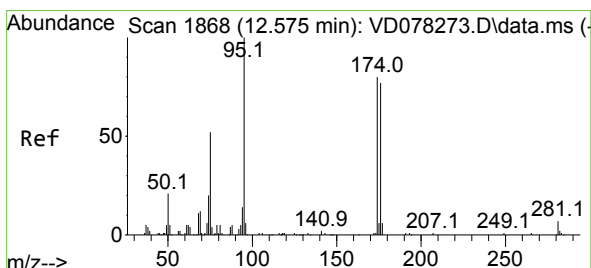
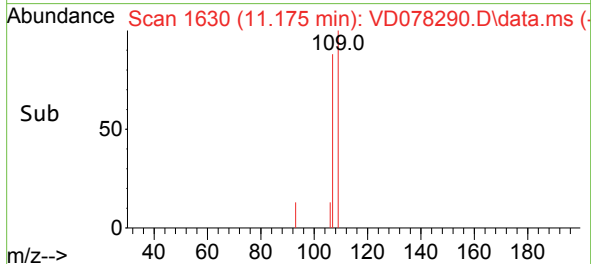
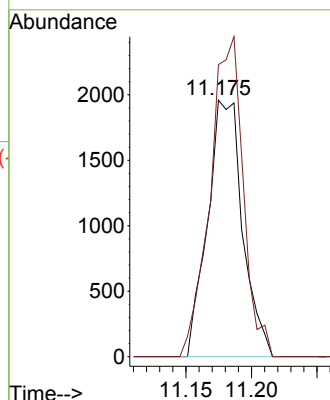
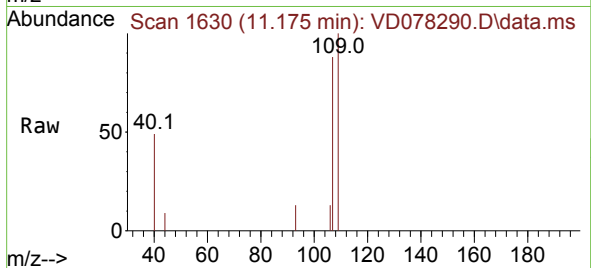
MDL-SOIL-03-QT1-2024

Tgt Ion:107 Resp: 3626

Ion Ratio Lower Upper

107 100

109 117.8 75.6 113.4#



#62

4-Bromofluorobenzene

Concen: 47.496 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

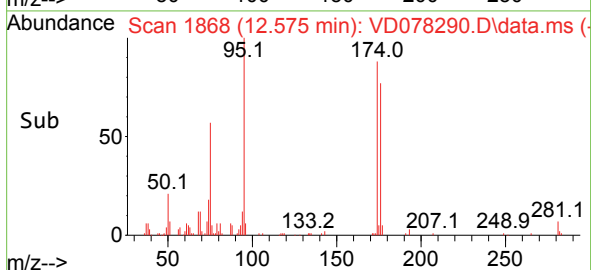
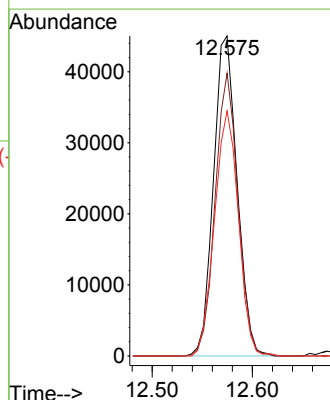
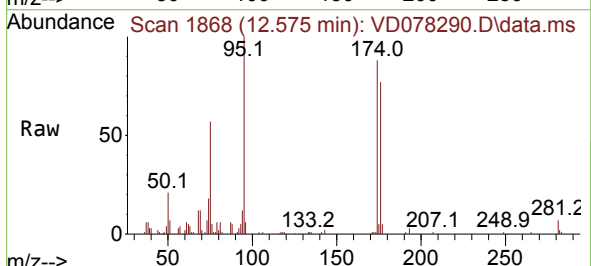
Tgt Ion: 95 Resp: 73616

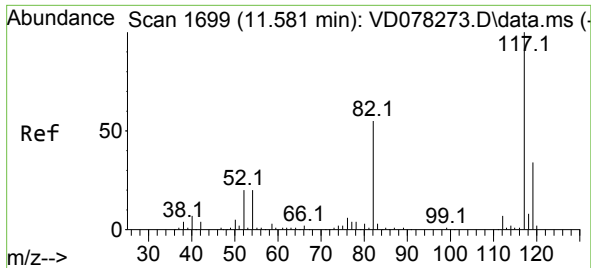
Ion Ratio Lower Upper

95 100

174 85.5 0.0 201.8

176 77.6 0.0 191.8

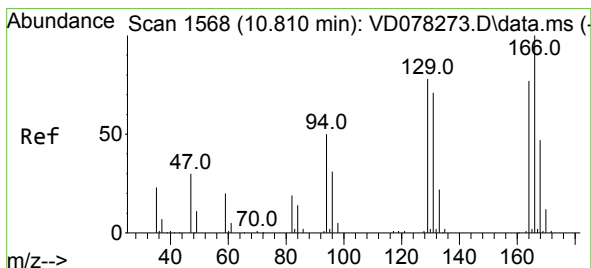
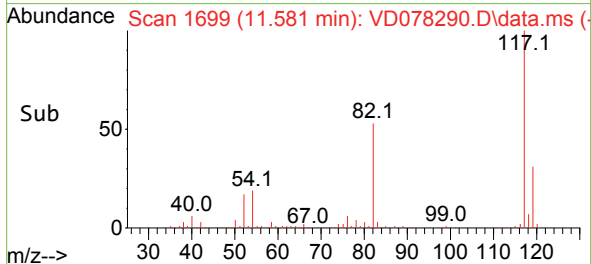
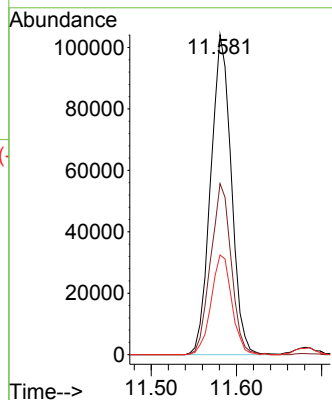
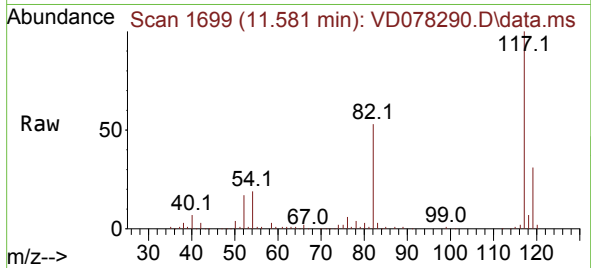




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

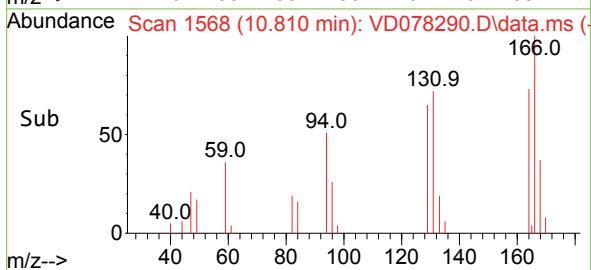
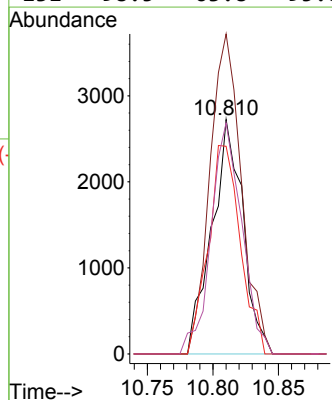
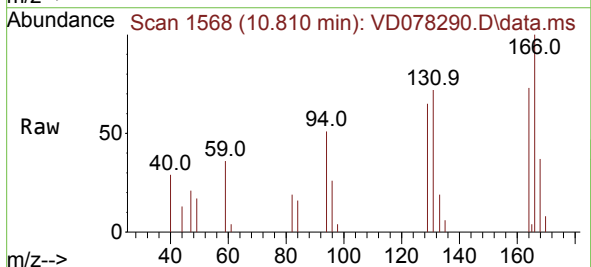
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

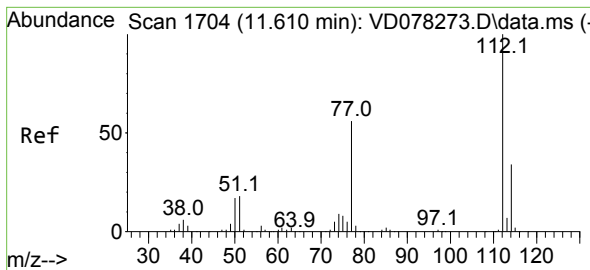
Tgt Ion:117 Resp: 174885
Ion Ratio Lower Upper
117 100
82 53.4 38.3 57.5
119 31.1 25.0 37.4



#64
Tetrachloroethene
Concen: 3.673 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion:164 Resp: 4480
Ion Ratio Lower Upper
164 100
166 136.5 99.2 148.8
129 88.6 68.4 102.6
131 98.5 63.8 95.8#





#65

Chlorobenzene

Concen: 3.590 ug/l

RT: 11.610 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

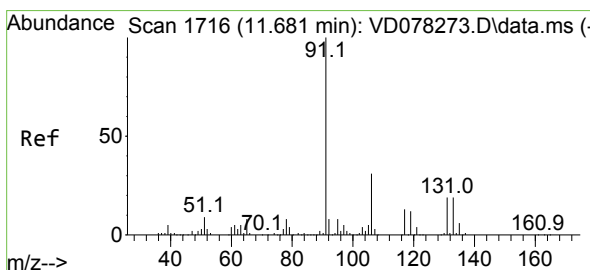
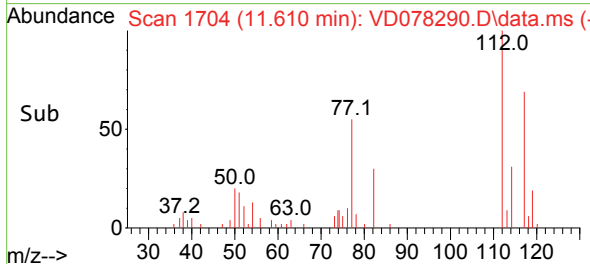
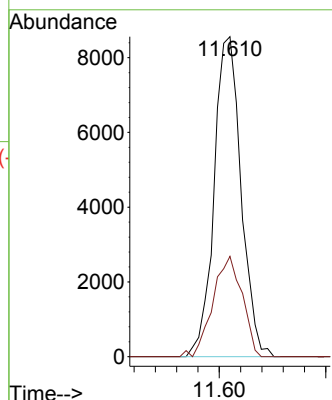
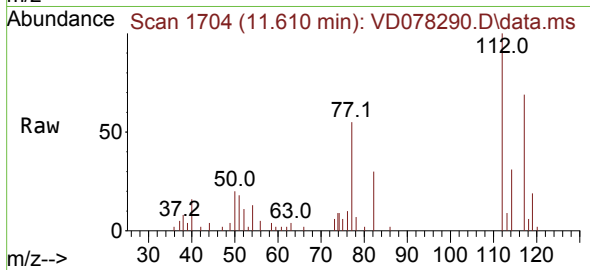
MDL-SOIL-03-QT1-2024

Tgt Ion:112 Resp: 15021

Ion Ratio Lower Upper

112 100

114 31.3 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 3.598 ug/l

RT: 11.675 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

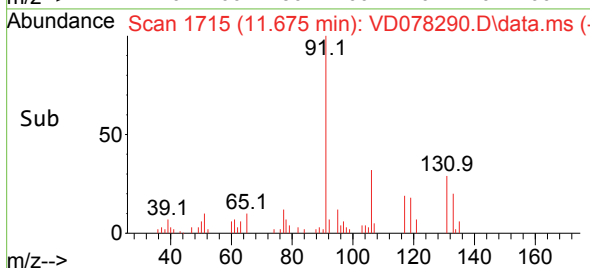
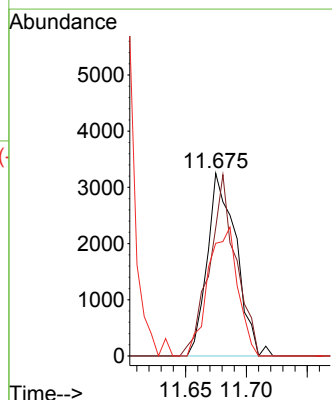
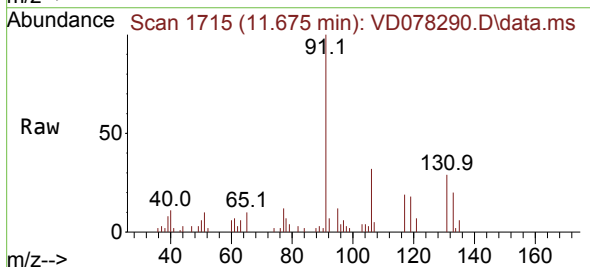
Tgt Ion:131 Resp: 5360

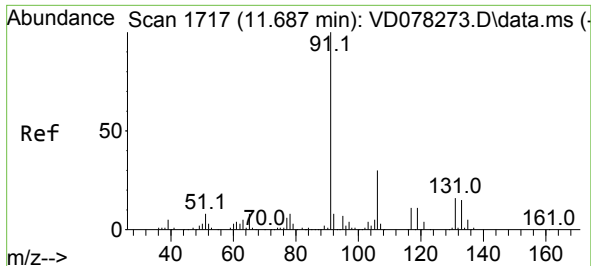
Ion Ratio Lower Upper

131 100

133 91.4 48.5 145.5

119 72.4 35.6 106.9

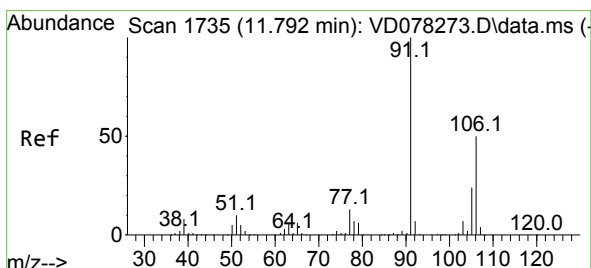
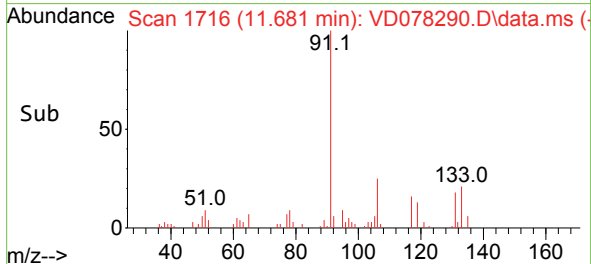
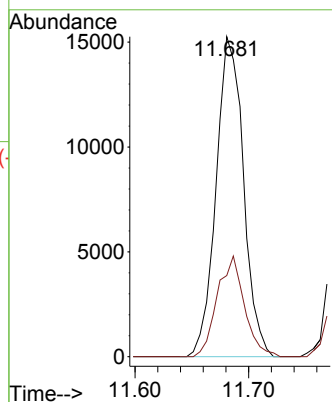
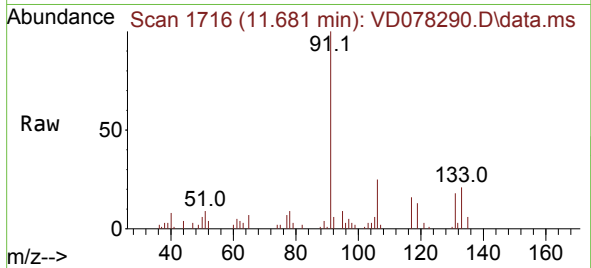




#67
Ethyl Benzene
Concen: 3.371 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

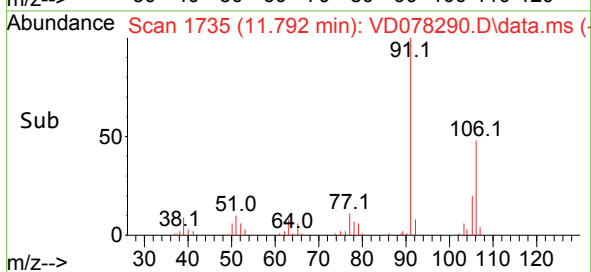
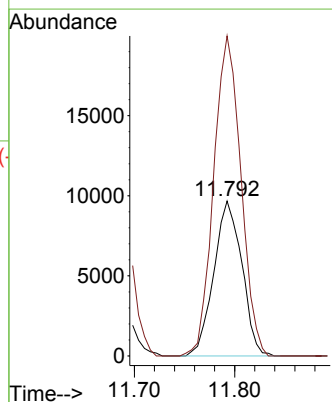
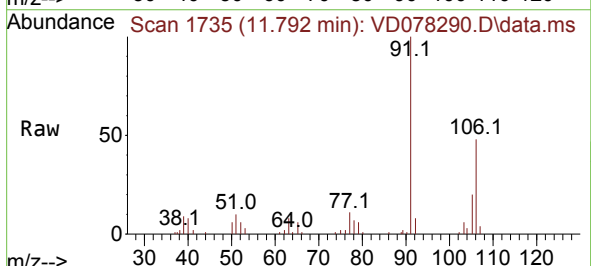
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

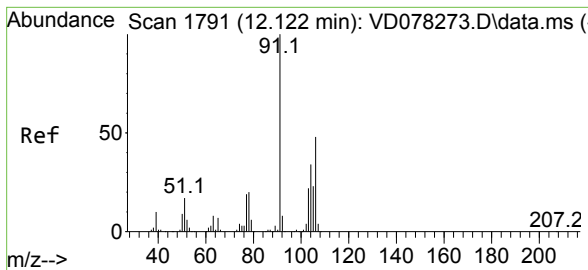
Tgt Ion: 91 Resp: 25547
Ion Ratio Lower Upper
91 100
106 25.4 26.5 39.7#



#68
m/p-Xylenes
Concen: 6.438 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion:106 Resp: 18772
Ion Ratio Lower Upper
106 100
91 200.5 147.0 220.6

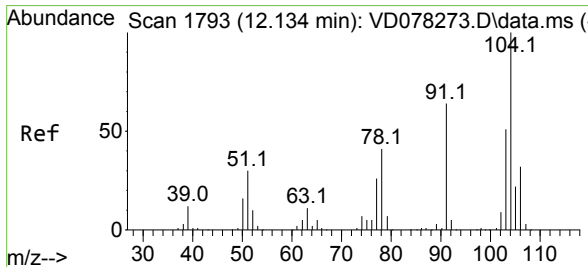
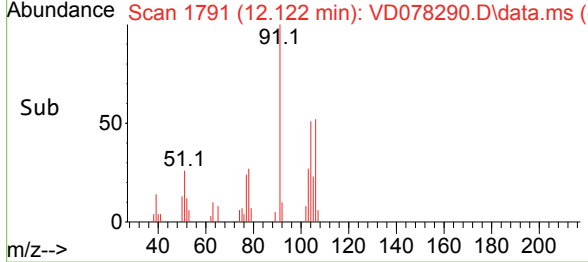
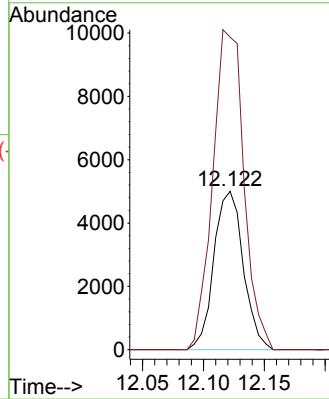
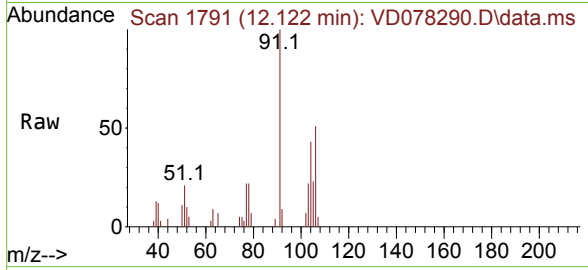




#69
o-Xylene
Concen: 3.135 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

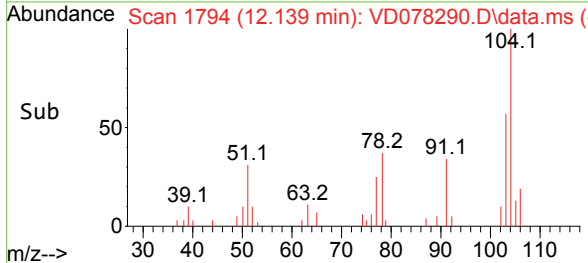
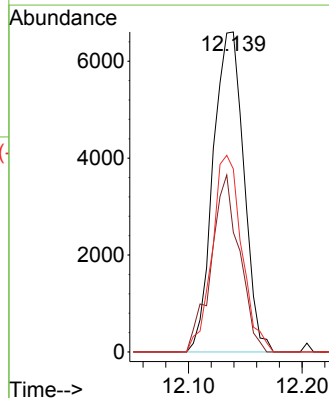
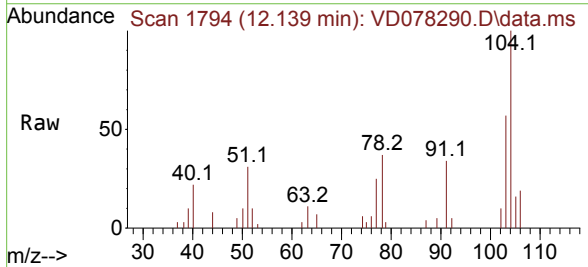
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

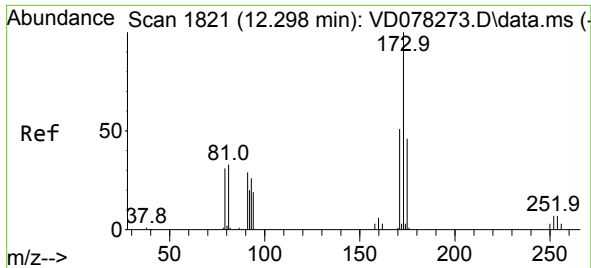
Tgt Ion:	106	Resp:	8400
Ion Ratio	Lower	Upper	
106	100		
91	214.7	97.9	293.6



#70
Styrene
Concen: 2.704 ug/l
RT: 12.139 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion:	104	Resp:	12374
Ion Ratio	Lower	Upper	
104	100		
78	51.1	33.2	49.8#
103	59.5	43.6	65.4

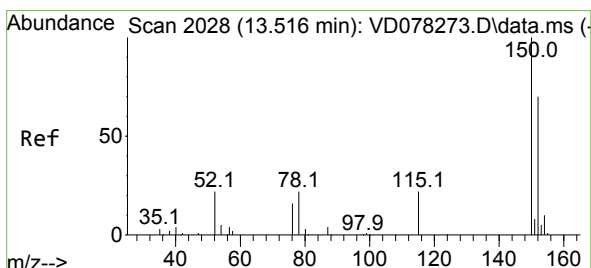
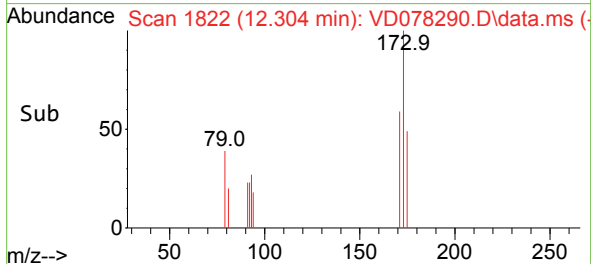
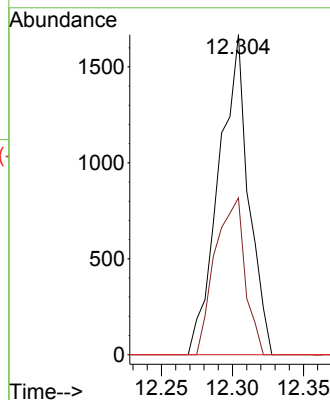
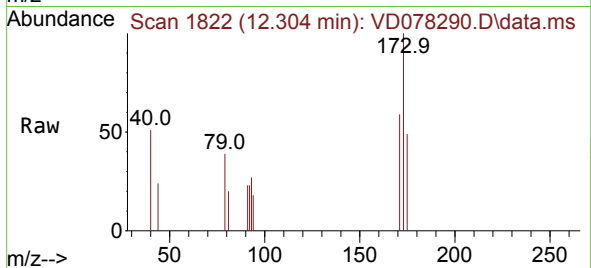




#71
Bromoform
Concen: 3.319 ug/l
RT: 12.304 min Scan# 1821
Delta R.T. 0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

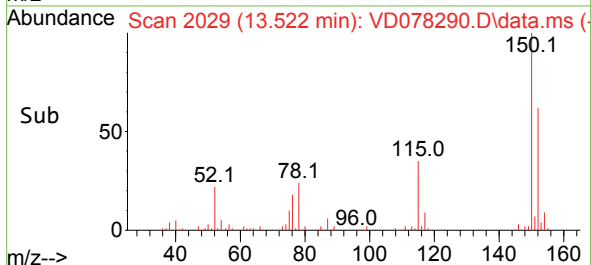
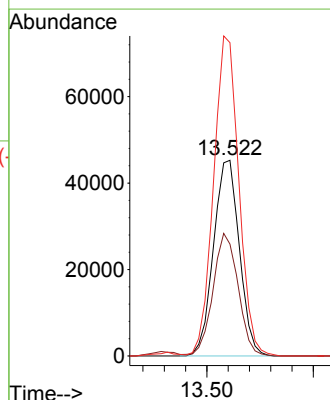
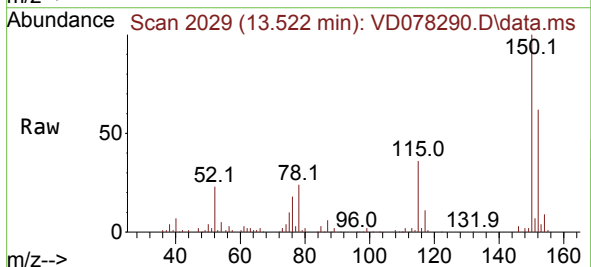
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

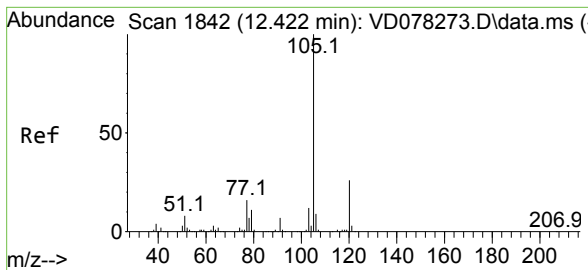
Tgt Ion:173 Resp: 2435
Ion Ratio Lower Upper
173 100
175 49.1 24.6 73.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. 0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion:152 Resp: 76348
Ion Ratio Lower Upper
152 100
115 61.0 27.1 81.3
150 159.4 0.0 353.6





#73

Isopropylbenzene

Concen: 3.504 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

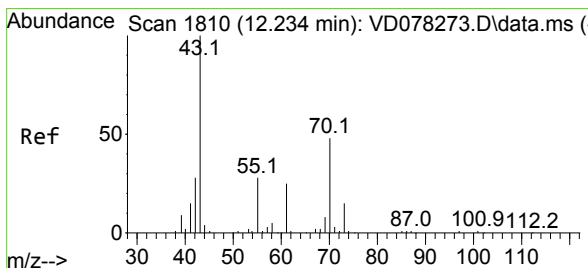
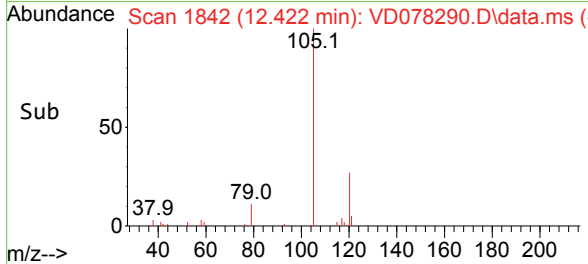
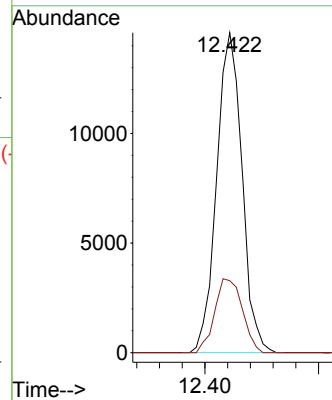
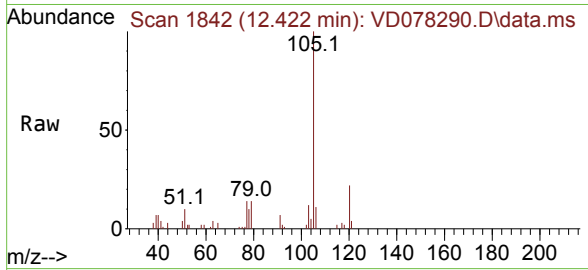
MDL-SOIL-03-QT1-2024

Tgt Ion:105 Resp: 22635

Ion Ratio Lower Upper

105 100

120 25.1 14.3 42.9



#74

N-ethyl acetate

Concen: 3.875 ug/l

RT: 12.239 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Tgt Ion: 43 Resp: 5177

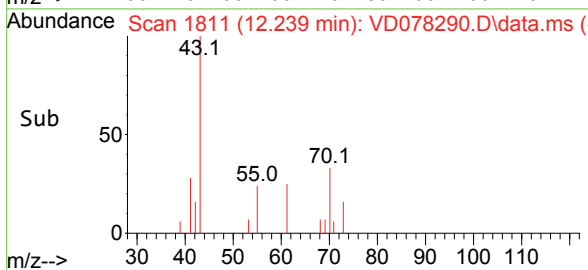
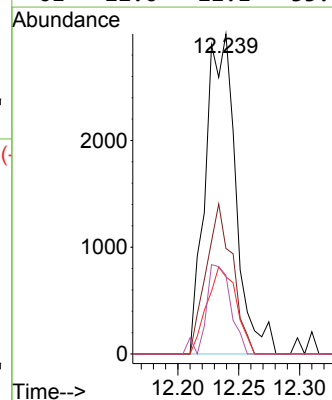
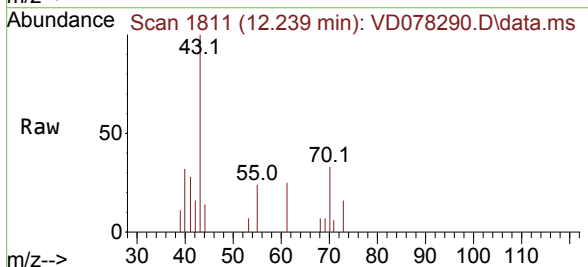
Ion Ratio Lower Upper

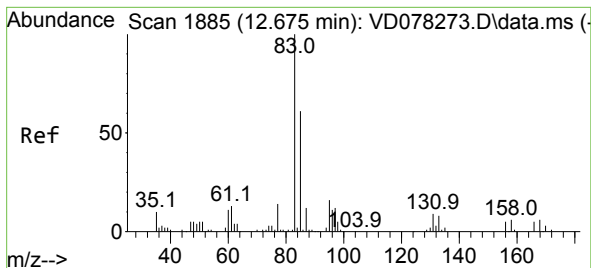
43 100

70 40.7 45.0 67.4#

55 26.2 23.8 35.6

61 22.6 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.030 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

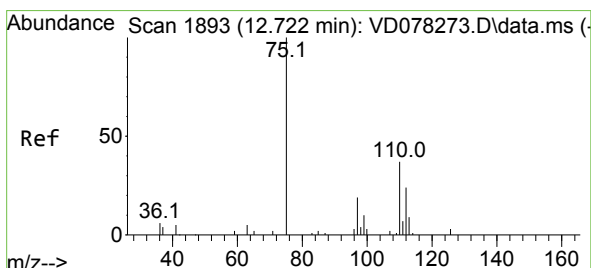
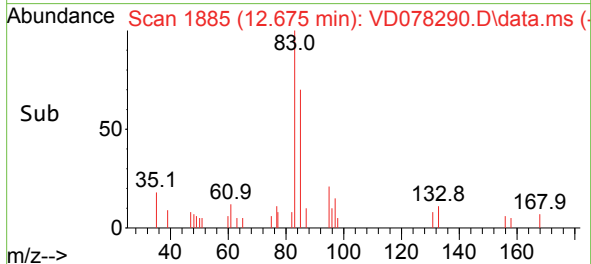
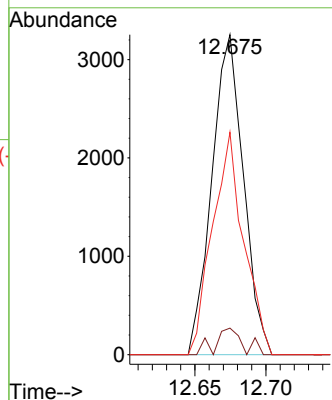
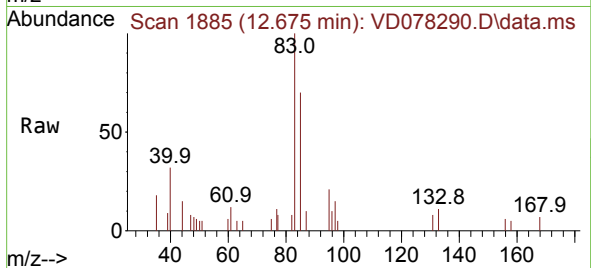
Tgt Ion: 83 Resp: 5027

Ion Ratio Lower Upper

83 100

131 7.3 5.1 15.3

85 68.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 8.089 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VD078290.D

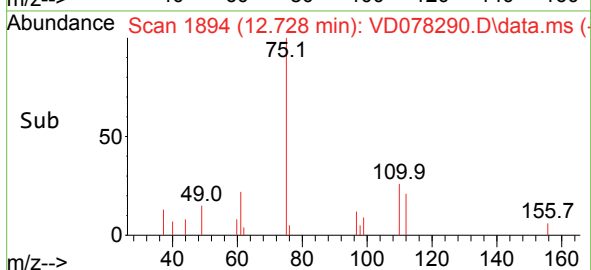
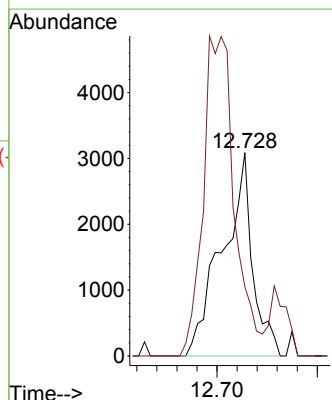
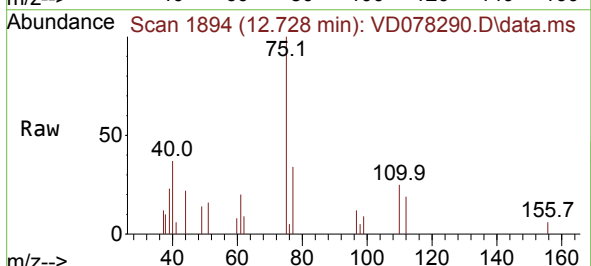
Acq: 31 Jan 2024 13:39

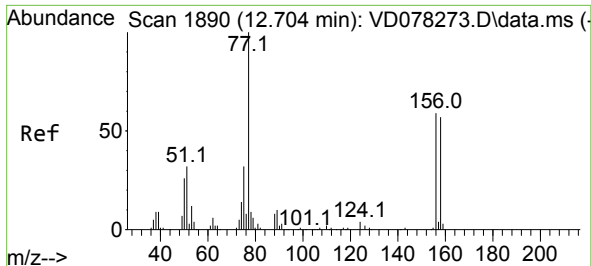
Tgt Ion: 75 Resp: 6455

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

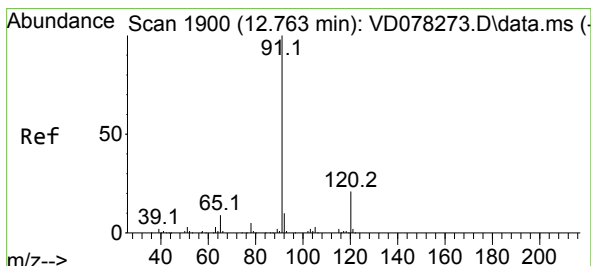
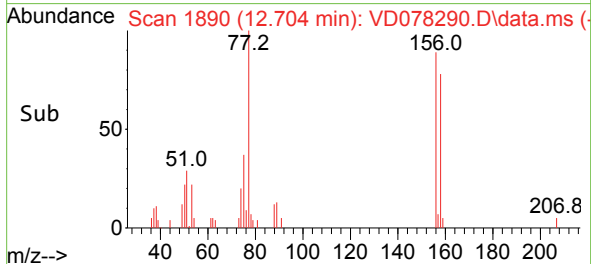
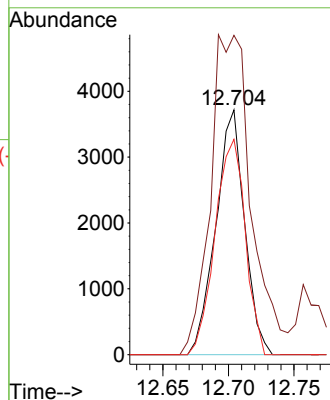
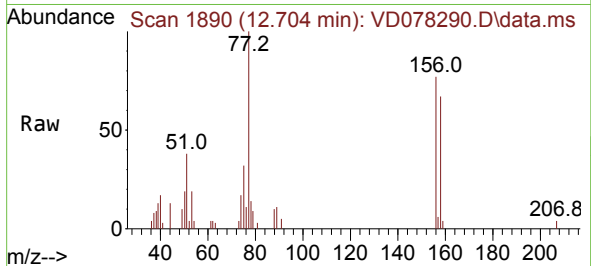




#77
Bromobenzene
Concen: 3.987 ug/l
RT: 12.704 min Scan# 1890
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

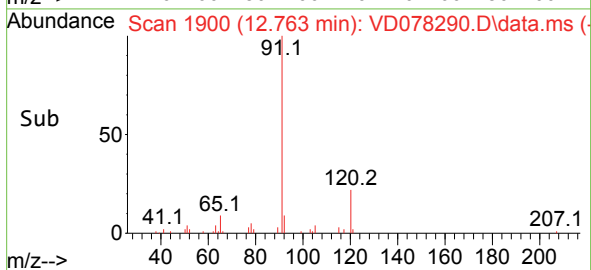
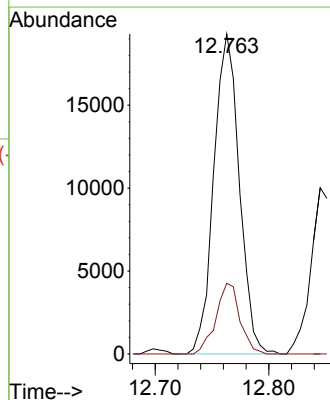
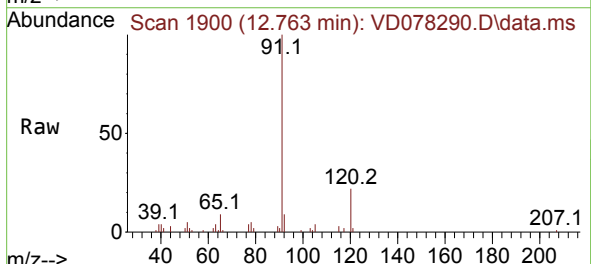
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

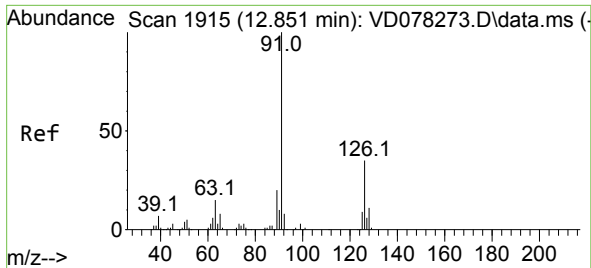
Tgt Ion:156 Resp: 5667
Ion Ratio Lower Upper
156 100
77 185.2 76.8 230.4
158 92.4 48.6 145.9



#78
n-propylbenzene
Concen: 3.742 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 91 Resp: 30114
Ion Ratio Lower Upper
91 100
120 20.7 12.4 37.2

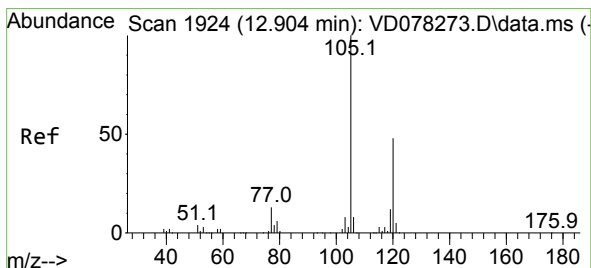
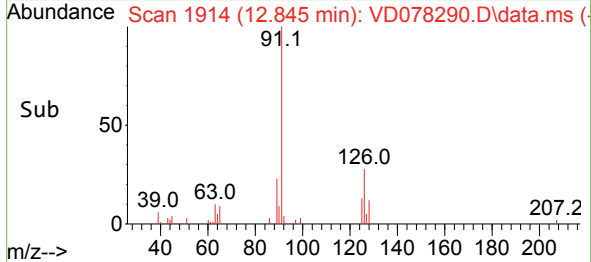
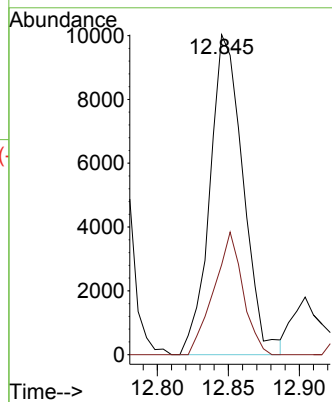
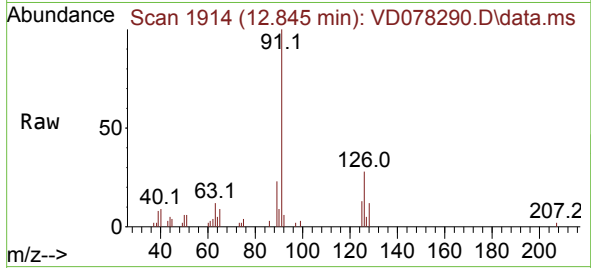




#79
2-Chlorotoluene
Concen: 3.791 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

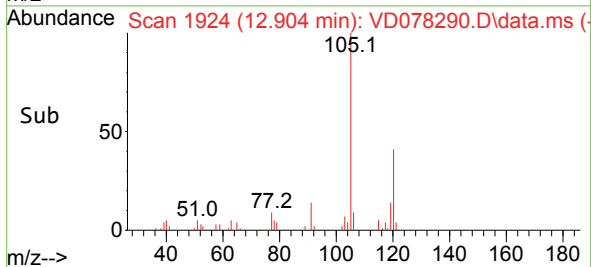
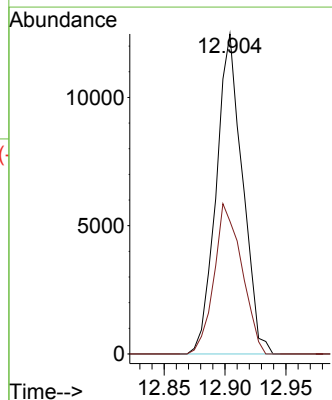
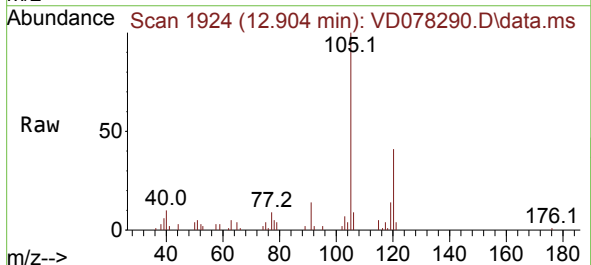
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

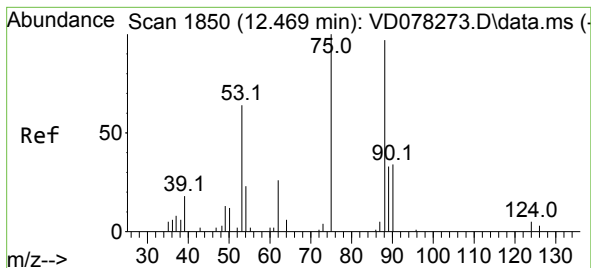
Tgt Ion: 91 Resp: 16328
Ion Ratio Lower Upper
91 100
126 33.5 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 3.567 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 105 Resp: 18746
Ion Ratio Lower Upper
105 100
120 49.5 26.4 79.2

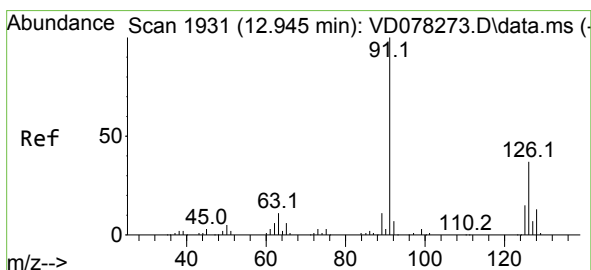
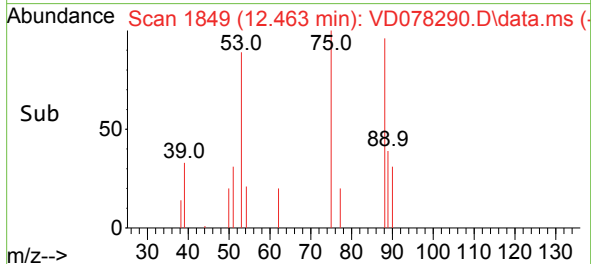
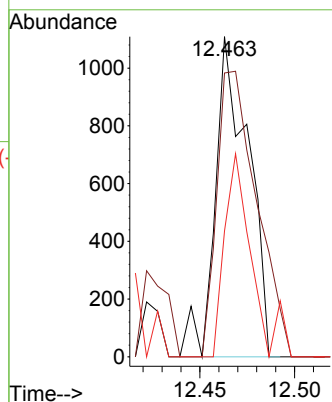
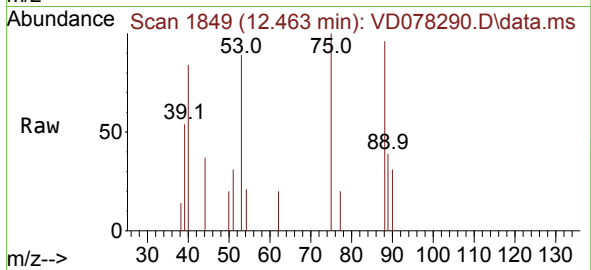




#81
trans-1,4-Dichloro-2-butene
Concen: 3.365 ug/l
RT: 12.463 min Scan# 1849
Delta R.T. -0.006 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

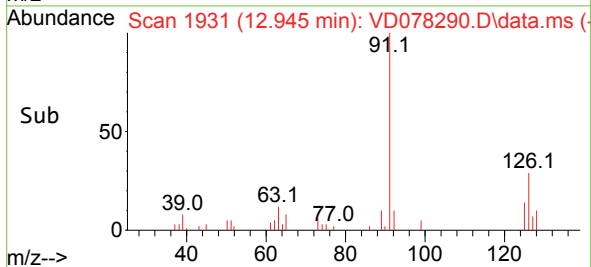
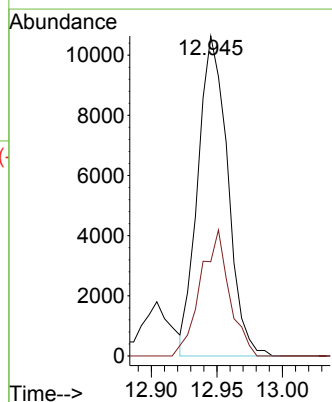
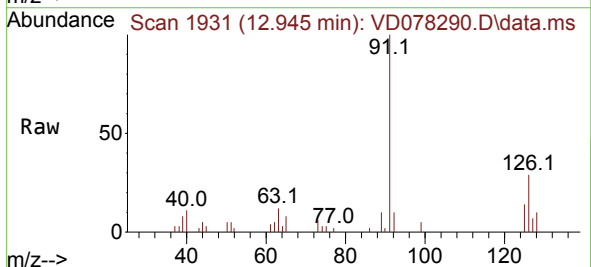
Instrument :
MSVOA_D
ClientSampleId :
MDL-SOIL-03-QT1-2024

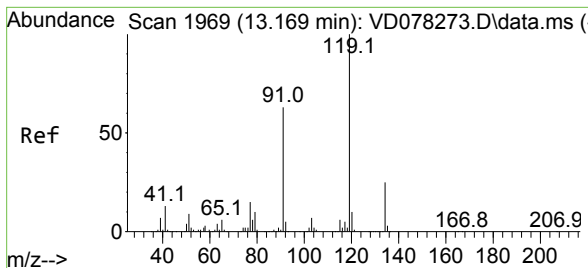
Tgt Ion: 75 Resp: 1350
Ion Ratio Lower Upper
75 100
53 107.3 63.0 94.4#
89 51.9 37.9 56.9



#82
4-Chlorotoluene
Concen: 3.661 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD078290.D
Acq: 31 Jan 2024 13:39

Tgt Ion: 91 Resp: 16814
Ion Ratio Lower Upper
91 100
126 38.2 19.4 58.4





#83

tert-Butylbenzene

Concen: 3.452 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

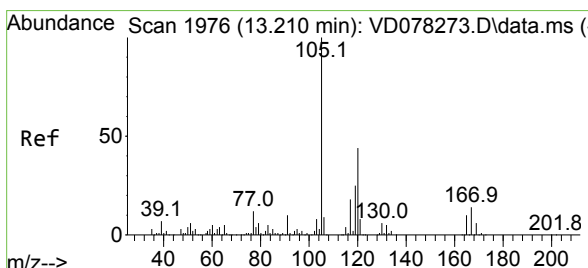
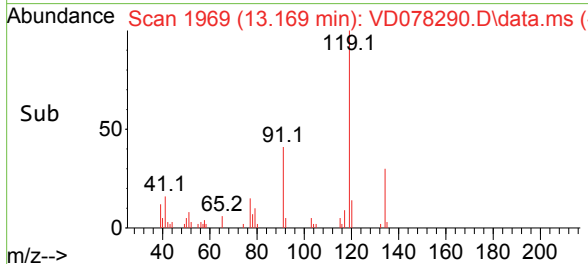
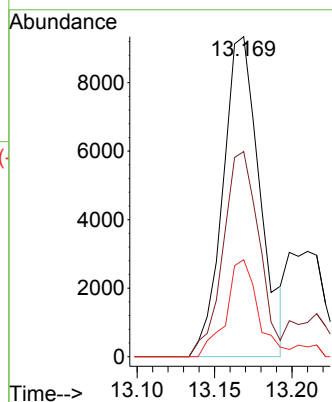
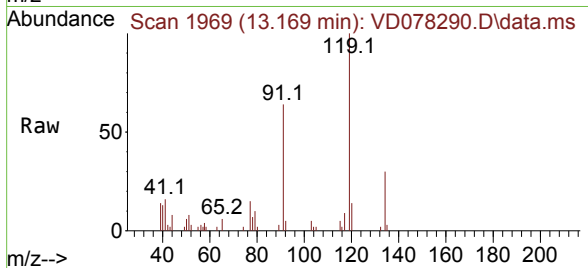
Tgt Ion:119 Resp: 15481

Ion Ratio Lower Upper

119 100

91 62.5 29.3 87.8

134 26.2 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 3.330 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD078290.D

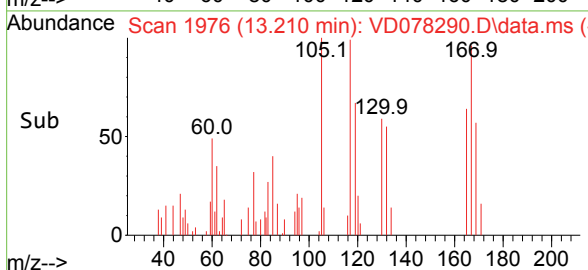
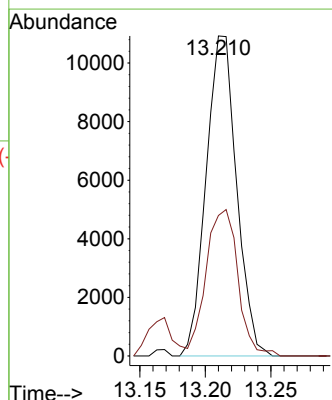
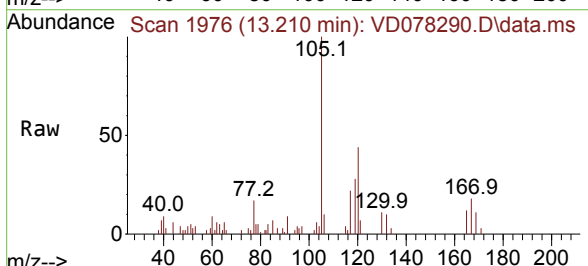
Acq: 31 Jan 2024 13:39

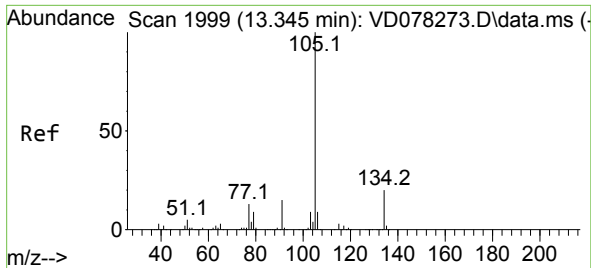
Tgt Ion:105 Resp: 17704

Ion Ratio Lower Upper

105 100

120 47.5 24.3 72.9

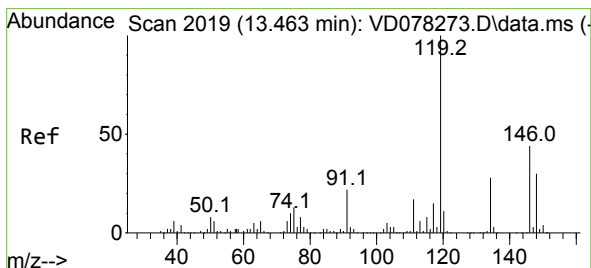
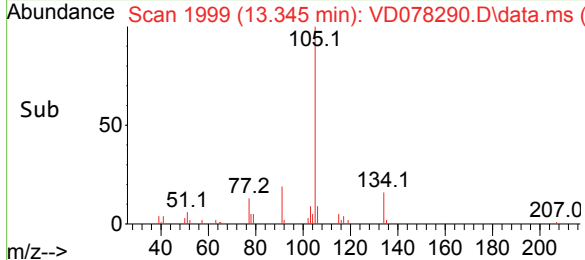
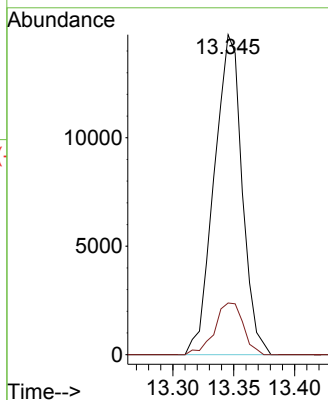
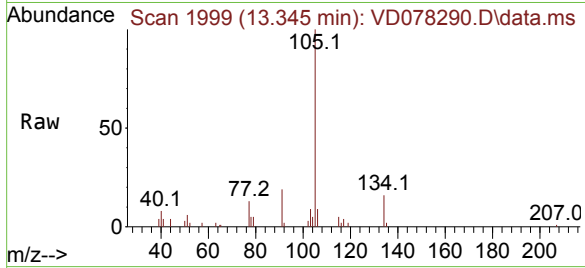




#85
 sec-Butylbenzene
 Concen: 3.352 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD078290.D
 Acq: 31 Jan 2024 13:39

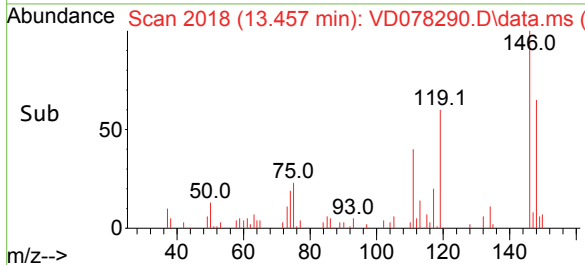
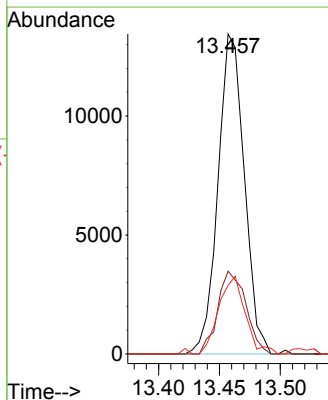
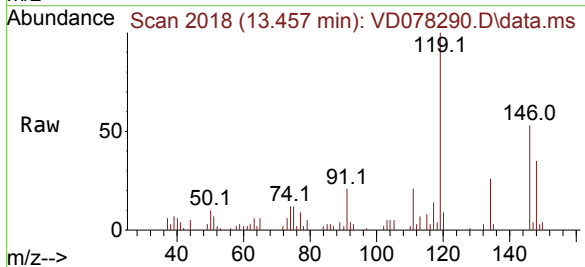
Instrument :
 MSVOA_D
 ClientSampleId :
 MDL-SOIL-03-QT1-2024

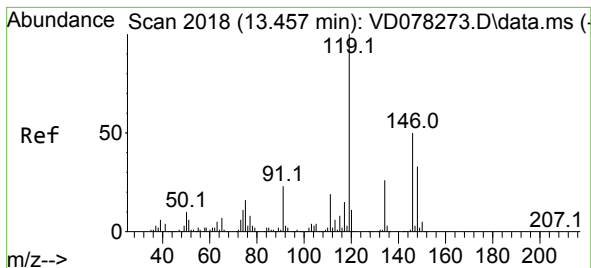
Tgt Ion:105 Resp: 23590
 Ion Ratio Lower Upper
 105 100
 134 16.5 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 3.507 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: VD078290.D
 Acq: 31 Jan 2024 13:39

Tgt Ion:119 Resp: 20217
 Ion Ratio Lower Upper
 119 100
 134 27.6 14.2 42.6
 91 24.4 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 3.794 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

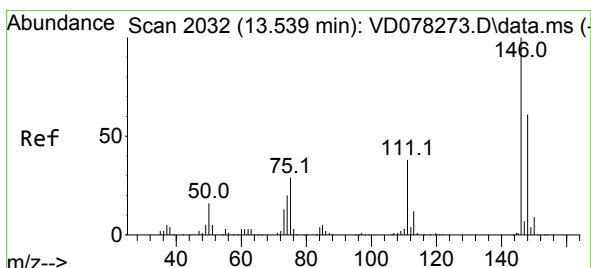
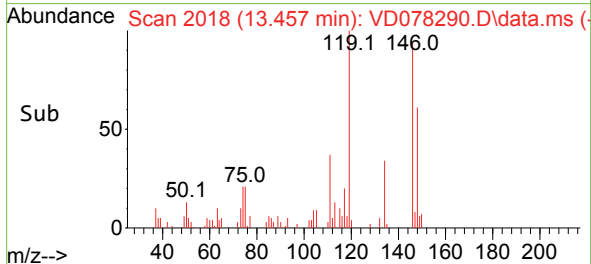
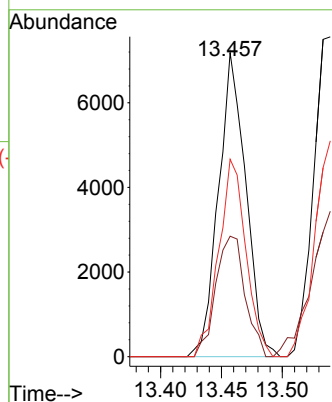
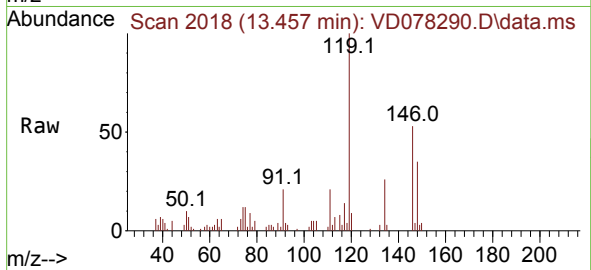
Tgt Ion:146 Resp: 11205

Ion Ratio Lower Upper

146 100

111 42.6 17.9 53.8

148 64.6 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 4.275 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

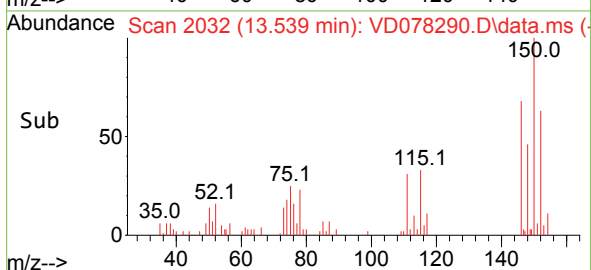
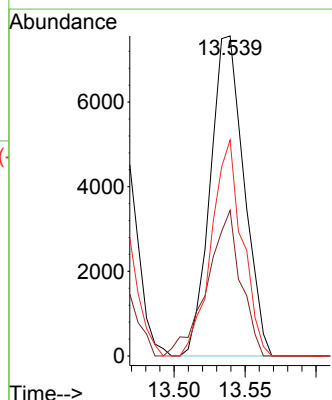
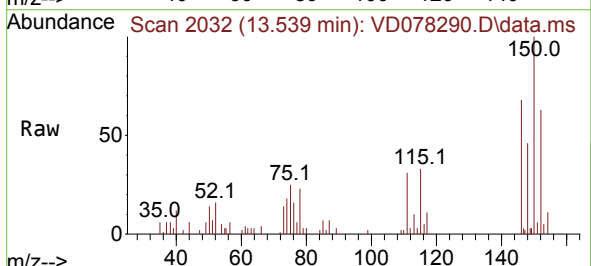
Tgt Ion:146 Resp: 12492

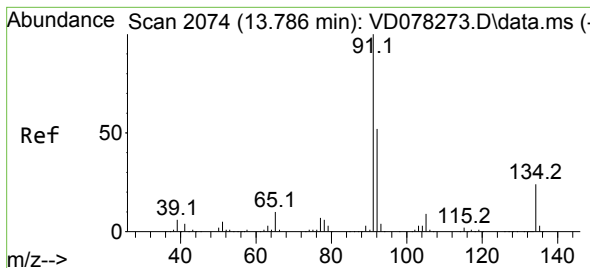
Ion Ratio Lower Upper

146 100

111 45.3 17.4 52.3

148 61.9 31.7 95.1





#89

n-Butylbenzene

Concen: 3.765 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

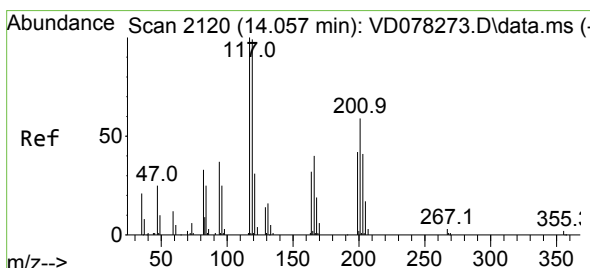
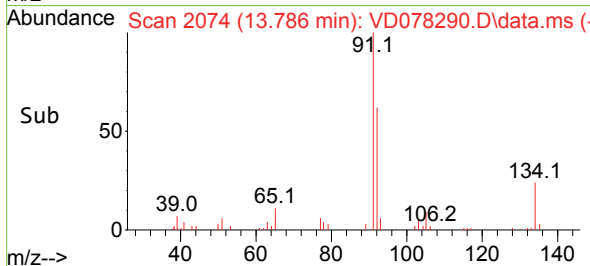
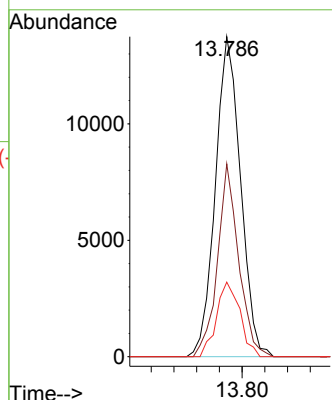
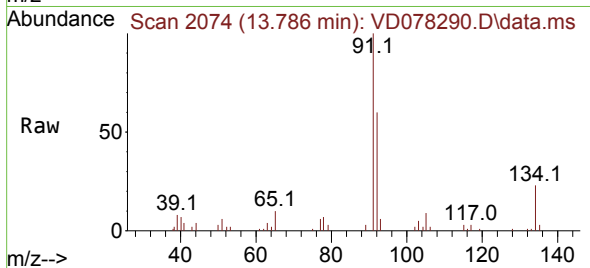
Tgt Ion: 91 Resp: 21147

Ion Ratio Lower Upper

91 100

92 50.8 26.5 79.5

134 21.7 13.8 41.3



#90

Hexachloroethane

Concen: 3.997 ug/l

RT: 14.045 min Scan# 2118

Delta R.T. -0.012 min

Lab File: VD078290.D

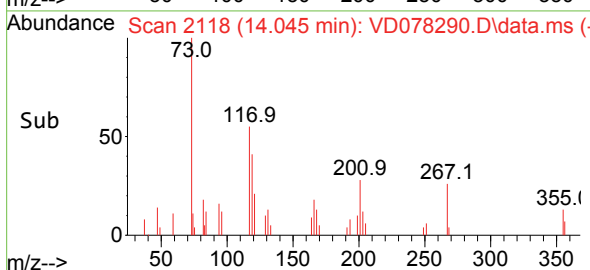
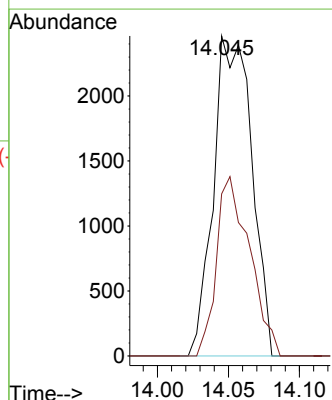
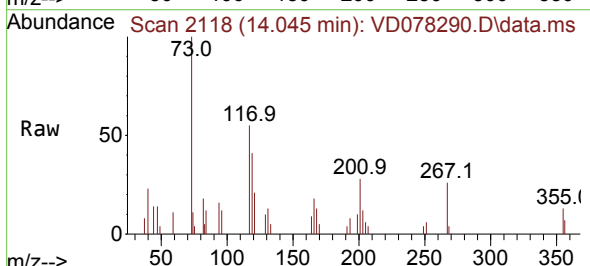
Acq: 31 Jan 2024 13:39

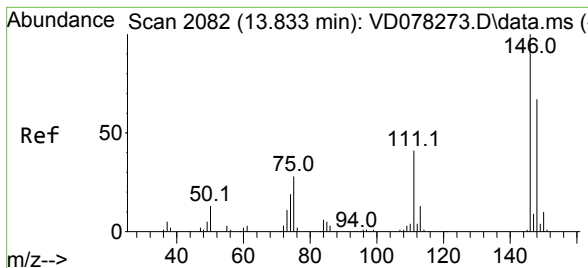
Tgt Ion: 117 Resp: 4602

Ion Ratio Lower Upper

117 100

201 48.6 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 4.162 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

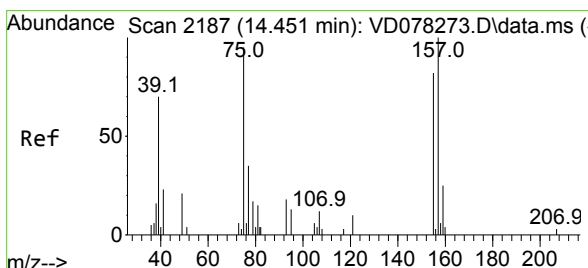
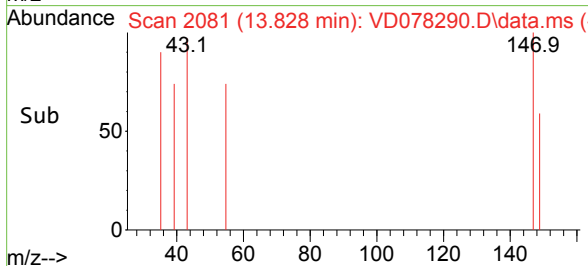
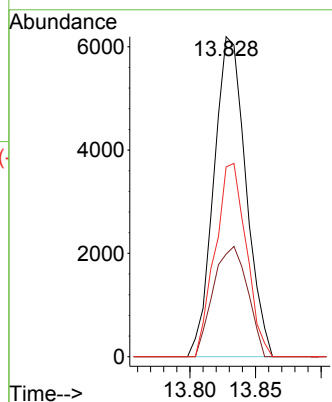
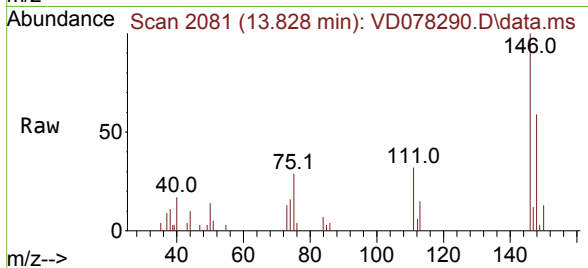
Tgt Ion:146 Resp: 10514

Ion Ratio Lower Upper

146 100

111 36.8 18.3 54.8

148 58.7 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.145 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

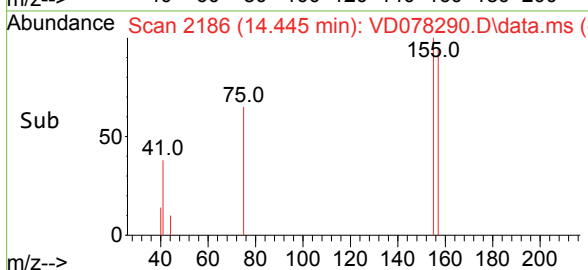
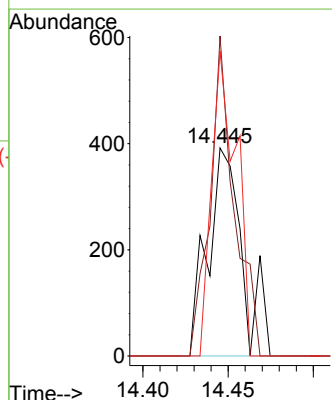
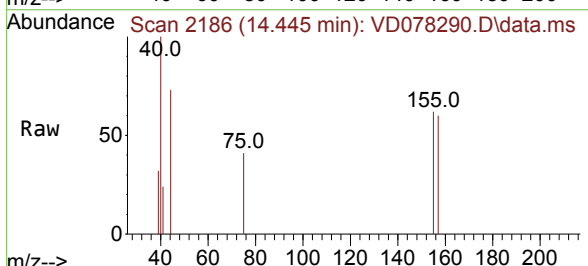
Tgt Ion: 75 Resp: 550

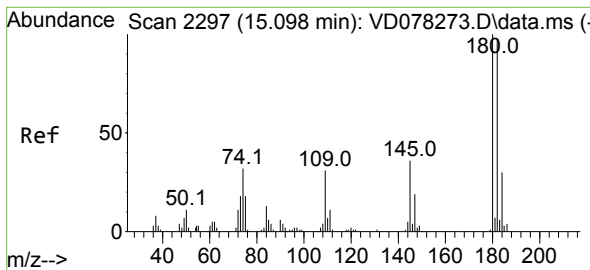
Ion Ratio Lower Upper

75 100

155 108.4 47.9 143.8

157 105.5 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 4.114 ug/l

RT: 15.104 min Scan# 2298

Delta R.T. 0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

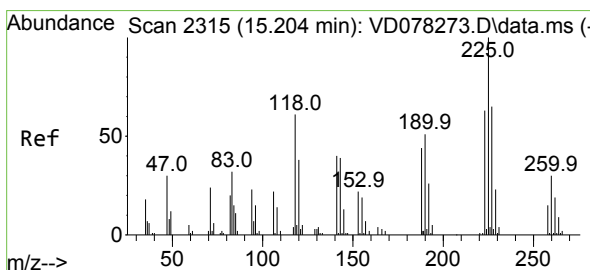
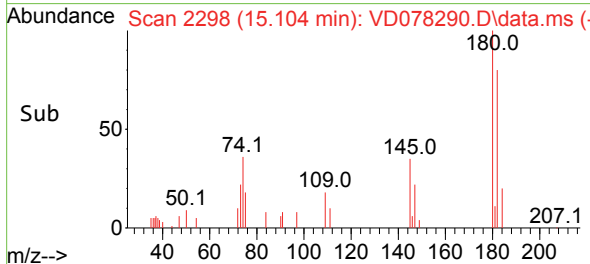
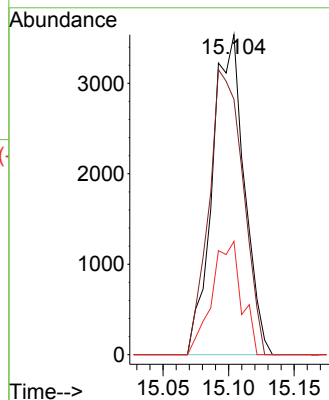
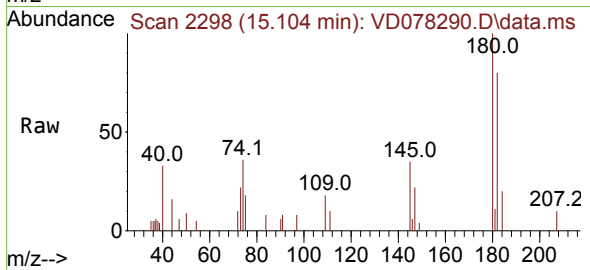
Tgt Ion:180 Resp: 6012

Ion Ratio Lower Upper

180 100

182 95.0 48.5 145.6

145 32.8 14.2 42.6



#94

Hexachlorobutadiene

Concen: 4.178 ug/l

RT: 15.210 min Scan# 2316

Delta R.T. 0.006 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

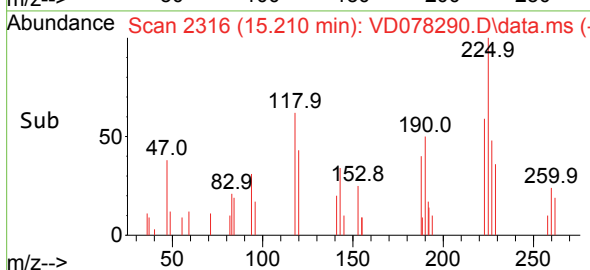
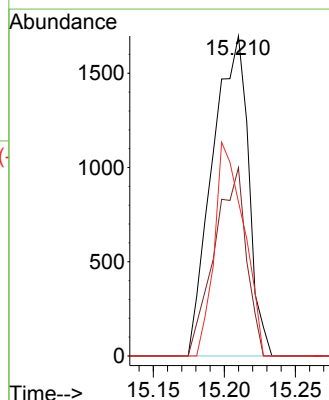
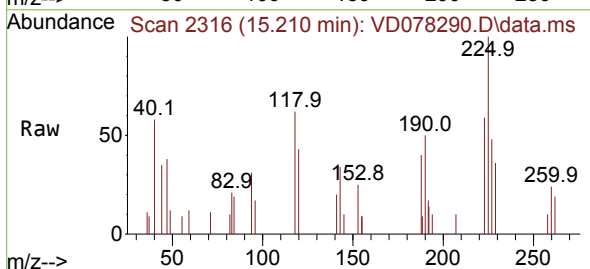
Tgt Ion:225 Resp: 2992

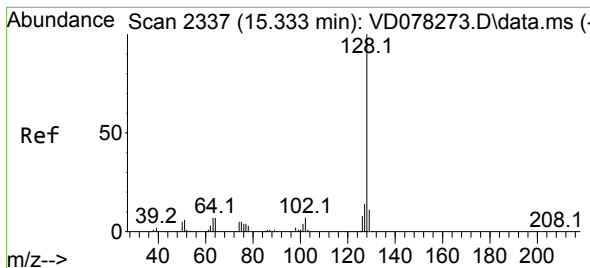
Ion Ratio Lower Upper

225 100

223 52.0 31.6 94.8

227 54.6 31.7 95.1





#95

Naphthalene

Concen: 3.971 ug/l

RT: 15.333 min Scan# 2337

Delta R.T. -0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Instrument :

MSVOA_D

ClientSampleId :

MDL-SOIL-03-QT1-2024

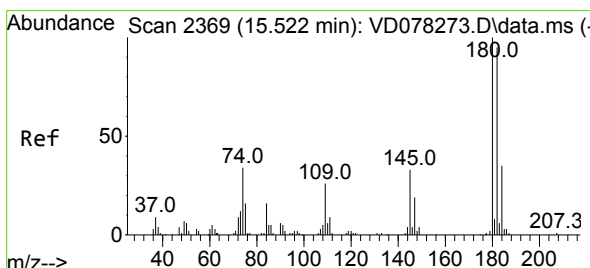
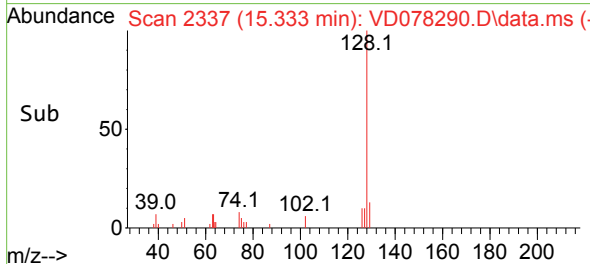
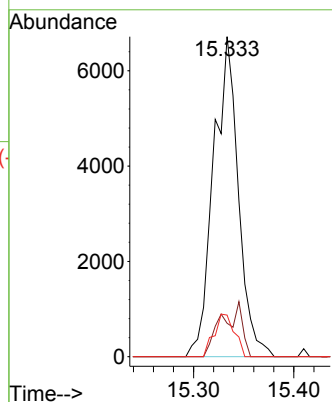
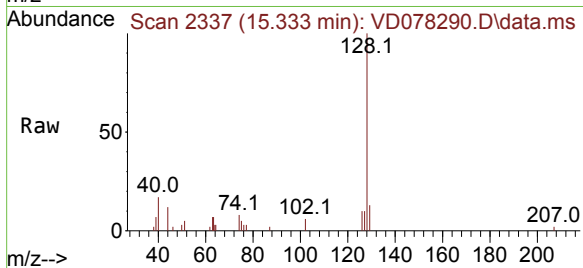
Tgt Ion:128 Resp: 11569

Ion Ratio Lower Upper

128 100

127 10.5 10.5 15.7#

129 13.0 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 4.040 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD078290.D

Acq: 31 Jan 2024 13:39

Tgt Ion:180 Resp: 5198

Ion Ratio Lower Upper

180 100

182 94.8 47.3 141.9

145 43.6 15.1 45.3

