

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078925.D
 Acq On : 15 May 2024 11:41
 Operator : RP/MD
 Sample : P2403-01 2.5 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

Quant Time: May 16 02:40:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 02:40:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	105631	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	193741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	176688	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	81168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	54351	54.855	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.700%	
35) Dibromofluoromethane	7.804	113	64646	50.126	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.260%	
50) Toluene-d8	10.269	98	236806	48.980	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.960%	
62) 4-Bromofluorobenzene	12.575	95	61803	45.503	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 91.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.934	85	2727	2.763	ug/l	97
3) Chloromethane	2.152	50	4444	2.954	ug/l	93
4) Vinyl Chloride	2.287	62	6309	2.773	ug/l #	88
5) Bromomethane	2.705	94	7158	3.255	ug/l	87
6) Chloroethane	2.840	64	4804	2.543	ug/l #	80
7) Trichlorofluoromethane	3.181	101	5980	2.891	ug/l #	79
8) Diethyl Ether	3.587	74	1307	2.517	ug/l #	40
9) 1,1,2-Trichlorotrifluo...	3.975	101	2162	1.979	ug/l #	65
10) Methyl Iodide	4.163	142	3621	2.774	ug/l #	43
11) Tert butyl alcohol	5.040	59	274	5.803	ug/l #	86
12) 1,1-Dichloroethene	3.952	96	3159	2.954	ug/l	83
13) Acrolein	3.810	56	801	8.121	ug/l #	83
14) Allyl chloride	4.558	41	2994	2.869	ug/l	97
15) Acrylonitrile	5.257	53	303	1.582	ug/l #	1
16) Acetone	4.028	43	2044	12.938	ug/l #	83
17) Carbon Disulfide	4.269	76	9923	2.884	ug/l #	90
18) Methyl Acetate	4.581	43	1145	3.148	ug/l #	62
19) Methyl tert-butyl Ether	5.310	73	2267	1.088	ug/l #	71
20) Methylene Chloride	4.805	84	6352	3.892	ug/l	84
21) trans-1,2-Dichloroethene	5.305	96	3729	3.129	ug/l #	81
22) Diisopropyl ether	6.222	45	5336	2.261	ug/l #	89
23) Vinyl Acetate	6.163	43	11737	8.292	ug/l #	88
24) 1,1-Dichloroethane	6.116	63	5839	3.121	ug/l #	87
25) 2-Butanone	7.087	43	2078	9.835	ug/l	94
26) 2,2-Dichloropropane	7.075	77	4510	2.743	ug/l	93
27) cis-1,2-Dichloroethene	7.075	96	3523	2.517	ug/l	93
28) Bromochloromethane	7.416	49	1538	2.465	ug/l #	94
29) Tetrahydrofuran	7.440	42	1149	9.402	ug/l #	71
30) Chloroform	7.599	83	6973	3.291	ug/l	100
31) Cyclohexane	7.875	56	5110	3.530	ug/l #	75
32) 1,1,1-Trichloroethane	7.787	97	4561	2.513	ug/l #	87
36) 1,1-Dichloropropene	8.010	75	3729	2.324	ug/l	95
37) Ethyl Acetate	7.187	43	798	1.459	ug/l #	64
38) Carbon Tetrachloride	7.987	117	4870	2.593	ug/l #	84
39) Methylcyclohexane	9.275	83	3949	2.025	ug/l #	92
40) Benzene	8.257	78	13490	2.599	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	591	2.008	ug/l #	28
42) 1,2-Dichloroethane	8.334	62	3165	2.519	ug/l #	67
43) Isopropyl Acetate	8.357	43	1031	1.062	ug/l	91
44) Trichloroethene	9.028	130	3525	2.560	ug/l	94
45) 1,2-Dichloropropane	9.304	63	2957	2.592	ug/l	94
46) Dibromomethane	9.398	93	1809	2.409	ug/l	94
47) Bromodichloromethane	9.587	83	4159	2.301	ug/l #	92
48) Methyl methacrylate	9.387	41	1060	2.244	ug/l #	69
49) 1,4-Dioxane	9.393	88	72	10.900	ug/l #	33
51) 4-Methyl-2-Pentanone	10.169	43	4492	8.690	ug/l	99
52) Toluene	10.334	92	7864	2.367	ug/l	86
53) t-1,3-Dichloropropene	10.551	75	3645	2.373	ug/l	94
54) cis-1,3-Dichloropropene	10.016	75	4167	2.260	ug/l #	89
55) 1,1,2-Trichloroethane	10.728	97	2553	2.632	ug/l #	77
56) Ethyl methacrylate	10.598	69	2012	2.016	ug/l	96
57) 1,3-Dichloropropane	10.887	76	3542	2.345	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	4412	10.288	ug/l	89
59) 2-Hexanone	10.922	43	3149	8.752	ug/l	89
60) Dibromochloromethane	11.069	129	3166	2.394	ug/l	98
61) 1,2-Dibromoethane	11.181	107	2136	2.415	ug/l	99
64) Tetrachloroethene	10.810	164	2838	2.532	ug/l #	86
65) Chlorobenzene	11.604	112	10312	2.806	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.681	131	3562	2.804	ug/l	87
67) Ethyl Benzene	11.681	91	13721	2.321	ug/l	96
68) m/p-Xylenes	11.792	106	10300	4.286	ug/l	95
69) o-Xylene	12.116	106	4799	2.190	ug/l	96
70) Styrene	12.134	104	7852	2.022	ug/l	95
71) Bromoform	12.304	173	1889	2.595	ug/l #	83
73) Isopropylbenzene	12.422	105	11291	2.331	ug/l	98
74) N-amyl acetate	12.239	43	1656	2.107	ug/l #	79
75) 1,1,2,2-Tetrachloroethane	12.675	83	2155	2.466	ug/l	98
76) 1,2,3-Trichloropropane	12.716	75	2696	4.718	ug/l #	100
77) Bromobenzene	12.698	156	3402	2.670	ug/l	94
78) n-propylbenzene	12.769	91	14804	2.528	ug/l	95
79) 2-Chlorotoluene	12.845	91	8582	2.637	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	8867	2.203	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.575	75	30790	106.851	ug/l #	19
82) 4-Chlorotoluene	12.951	91	8770	2.569	ug/l	93
83) tert-Butylbenzene	13.169	119	8919	2.506	ug/l	100
84) 1,2,4-Trimethylbenzene	13.210	105	9147	2.194	ug/l	99
85) sec-Butylbenzene	13.345	105	11844	2.231	ug/l	95
86) p-Isopropyltoluene	13.463	119	10124	2.188	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	6684	2.479	ug/l	97
88) 1,4-Dichlorobenzene	13.534	146	7662	2.902	ug/l	89
89) n-Butylbenzene	13.786	91	9897	2.387	ug/l	94
90) Hexachloroethane	14.051	117	2835	2.905	ug/l	81
91) 1,2-Dichlorobenzene	13.828	146	5648	2.504	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.445	75	314	2.699	ug/l #	23
93) 1,2,4-Trichlorobenzene	15.098	180	3166	2.391	ug/l	88
94) Hexachlorobutadiene	15.204	225	2014	2.910	ug/l	87
95) Naphthalene	15.328	128	5511	2.443	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.522	180	2929	2.486	ug/l	98

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LOD-MDL-SOIL-01-QT2-2024

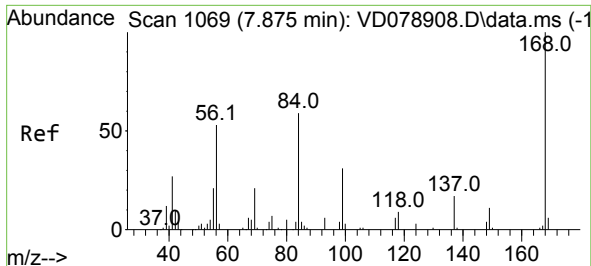
Quant Time: May 16 02:40:48 2024
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Response via : Initial Calibration

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

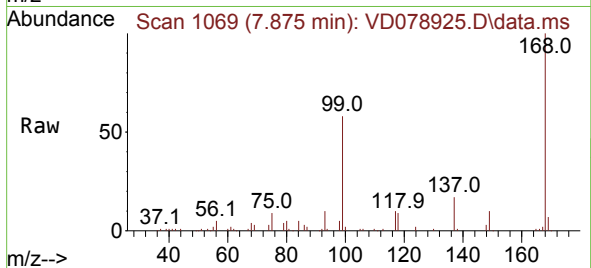
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LOD-MDL-SOIL-01-OT2-2024

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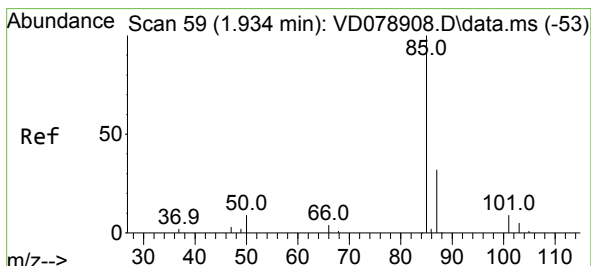
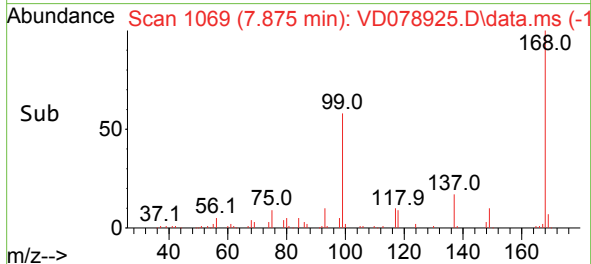
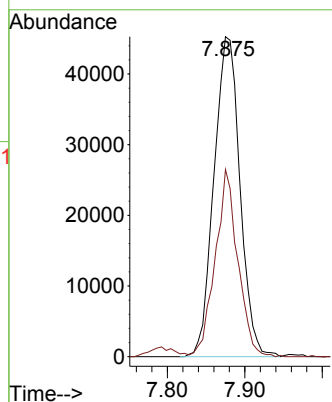


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD078925.D
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LOD-MDL-SOIL-01-QT2-2024

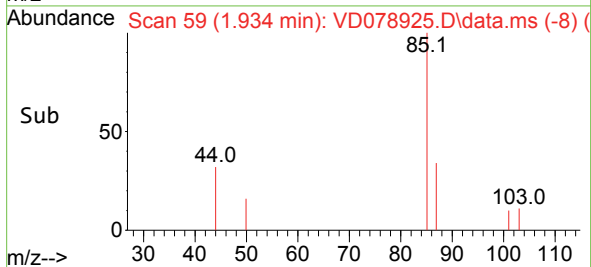
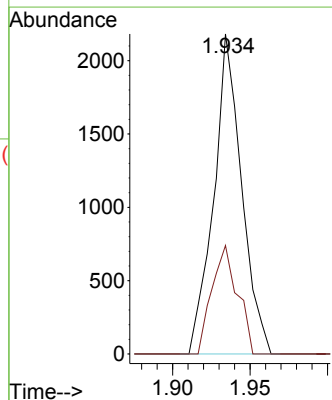
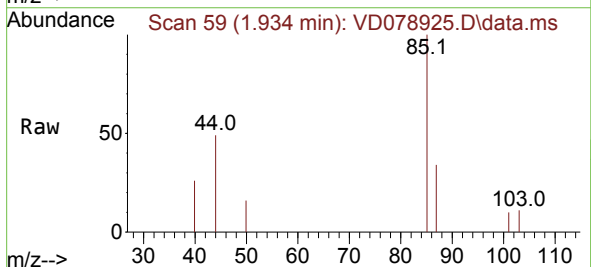


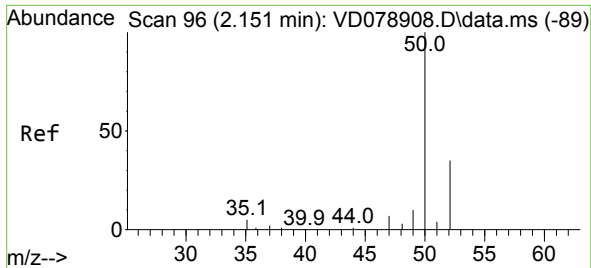
Tgt Ion:168 Resp: 105631
Ion Ratio Lower Upper
168 100
99 58.1 41.1 61.7



#2
Dichlorodifluoromethane
Concen: 2.763 ug/l
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 85 Resp: 2727
Ion Ratio Lower Upper
85 100
87 33.9 16.0 48.0





#3

Chloromethane

Concen: 2.954 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.001 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

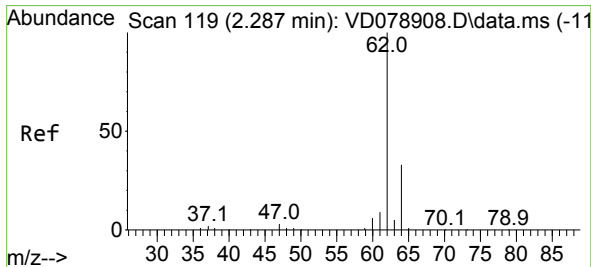
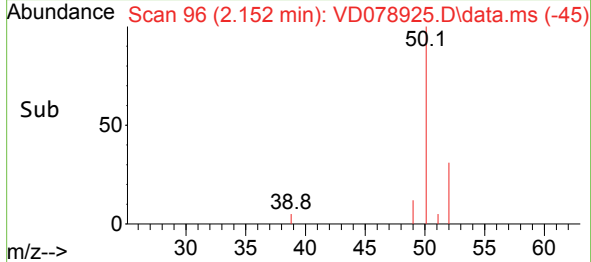
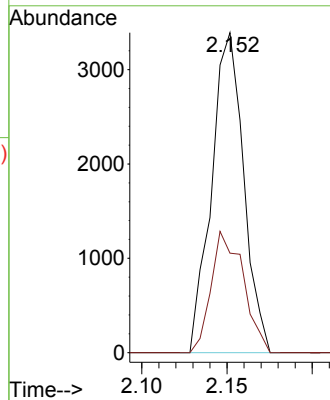
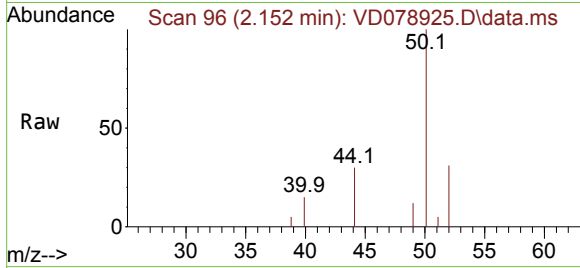
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 50 Resp: 4444

Ion Ratio Lower Upper

50 100

52 31.1 28.2 42.2



#4

Vinyl Chloride

Concen: 2.773 ug/l

RT: 2.287 min Scan# 119

Delta R.T. 0.000 min

Lab File: VD078925.D

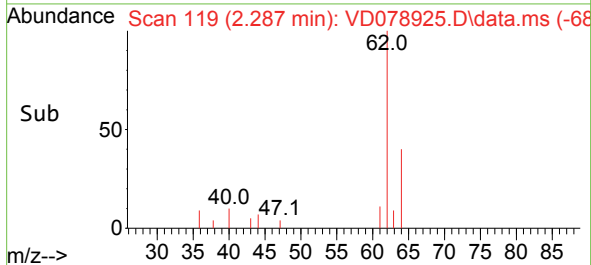
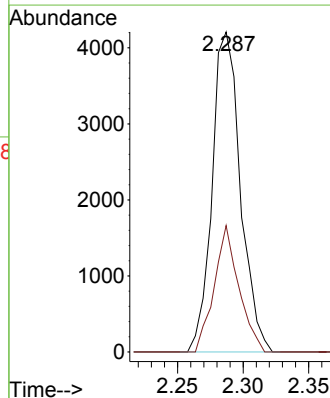
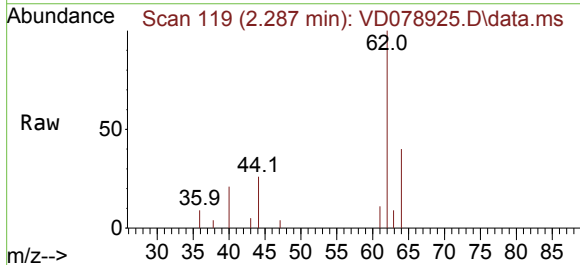
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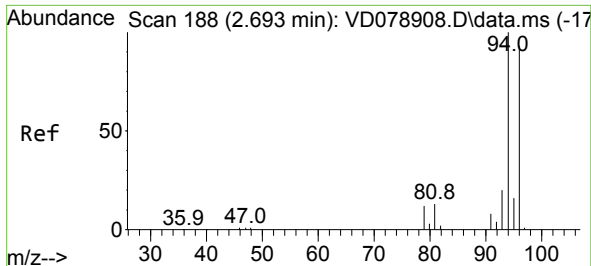
Tgt Ion: 62 Resp: 6309

Ion Ratio Lower Upper

62 100

64 39.5 26.3 39.5#

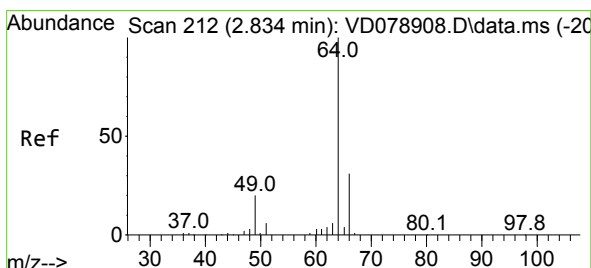
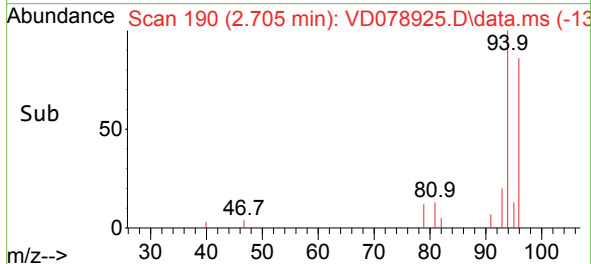
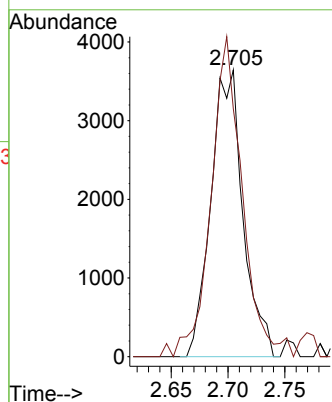
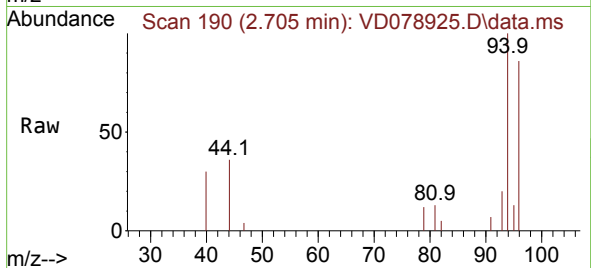




#5
Bromomethane
Concen: 3.255 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.012 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

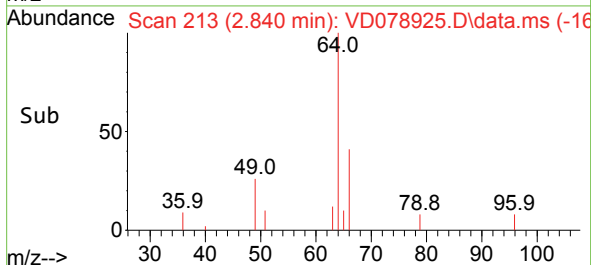
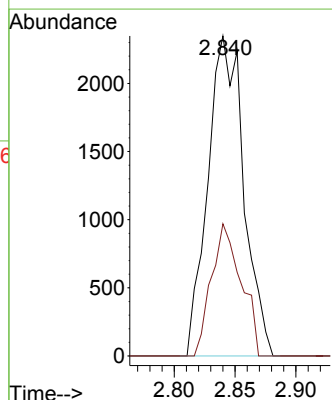
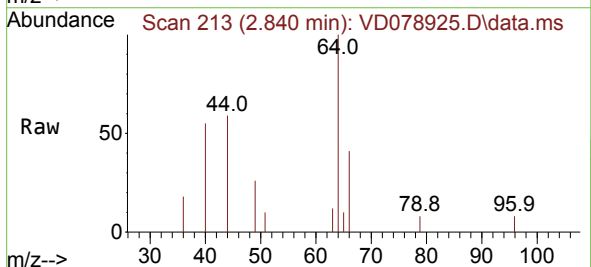
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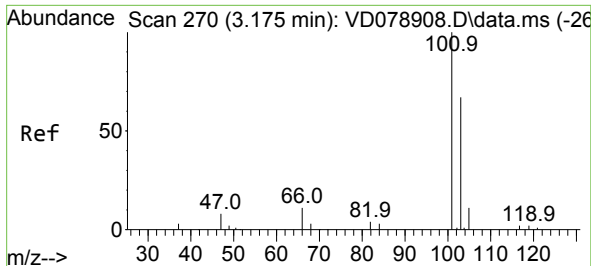
Tgt Ion: 94 Resp: 7158
Ion Ratio Lower Upper
94 100
96 109.1 76.9 115.3



#6
Chloroethane
Concen: 2.543 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 64 Resp: 4804
Ion Ratio Lower Upper
64 100
66 41.3 24.5 36.7#

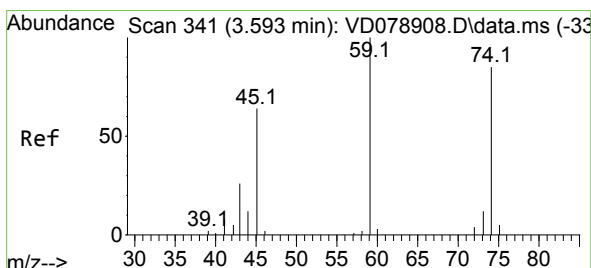
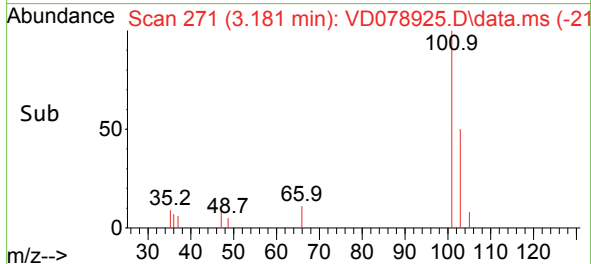
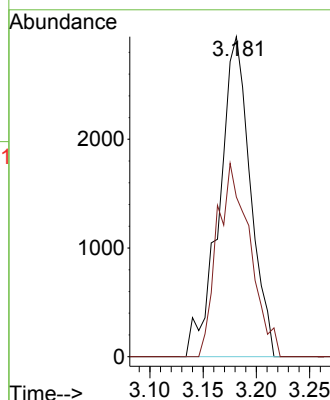
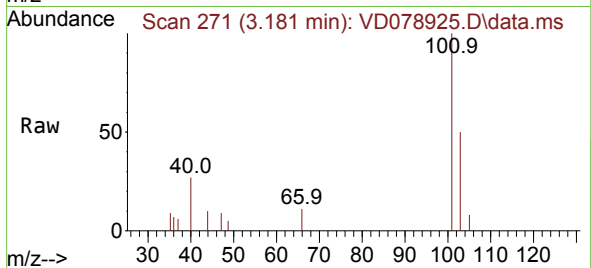




#7
Trichlorofluoromethane
Concen: 2.891 ug/l
RT: 3.181 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

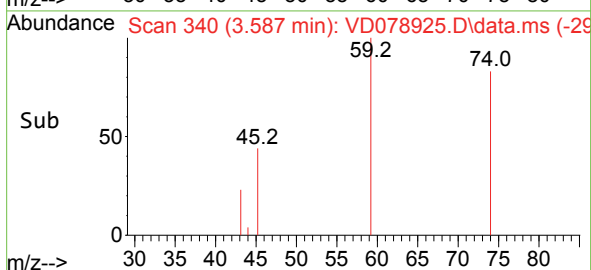
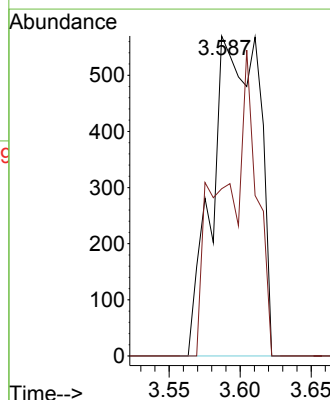
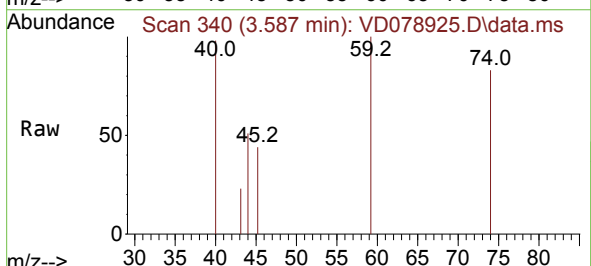
Instrument :
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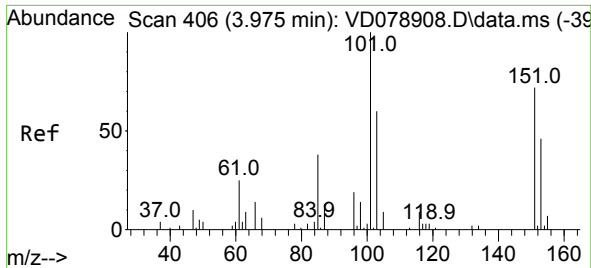
Tgt Ion:101 Resp: 5980
Ion Ratio Lower Upper
101 100
103 49.9 53.2 79.8#



#8
Diethyl Ether
Concen: 2.517 ug/l
RT: 3.587 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 74 Resp: 1307
Ion Ratio Lower Upper
74 100
45 24.0 37.9 113.6#

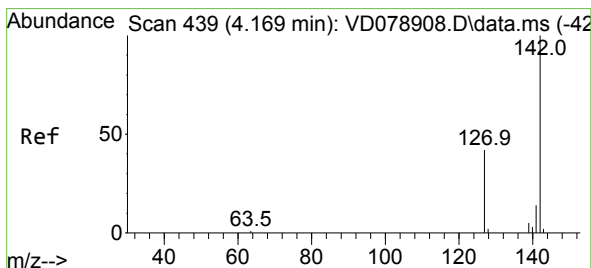
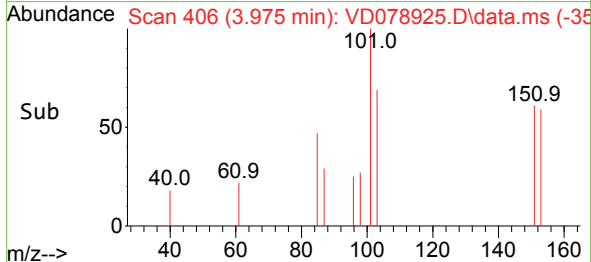
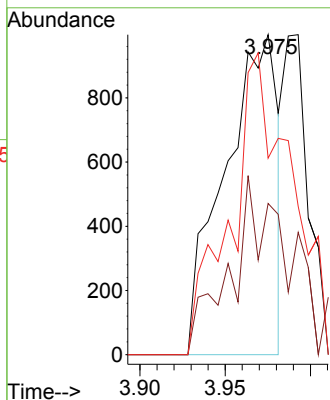
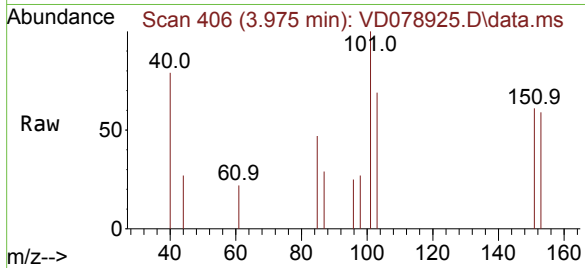




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.979 ug/l
RT: 3.975 min Scan# 406
Delta R.T. 0.000 min
Lab File: VD078925.D
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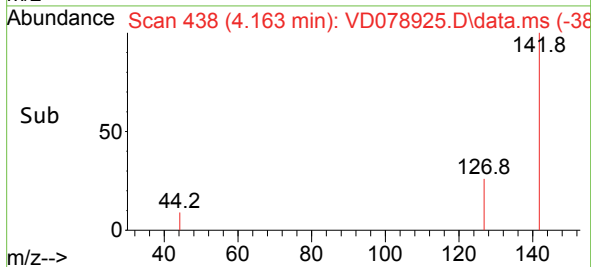
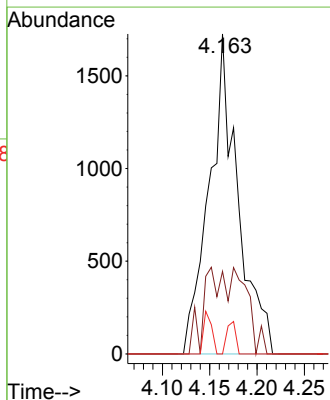
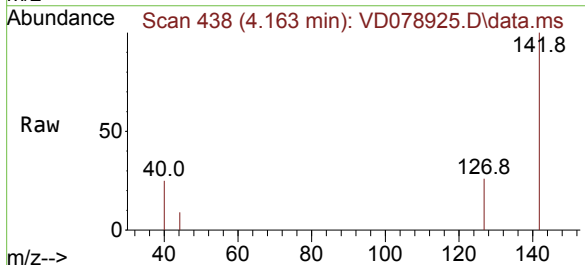
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

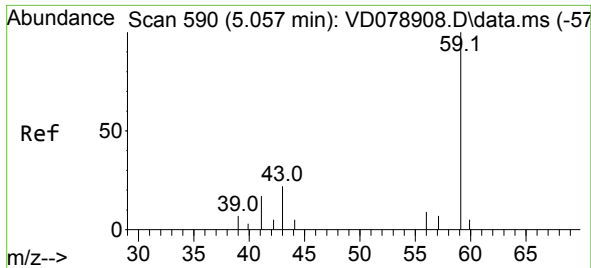
Tgt Ion:101 Resp: 2162
Ion Ratio Lower Upper
101 100
85 61.4 33.5 50.3#
151 106.8 60.3 90.5#



#10
Methyl Iodide
Concen: 2.774 ug/l
RT: 4.163 min Scan# 438
Delta R.T. -0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion:142 Resp: 3621
Ion Ratio Lower Upper
142 100
127 0.0 34.2 51.4#
141 3.2 11.7 17.5#





#11

Tert butyl alcohol

Concen: 5.803 ug/l

RT: 5.040 min Scan# 59

Delta R.T. -0.017 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

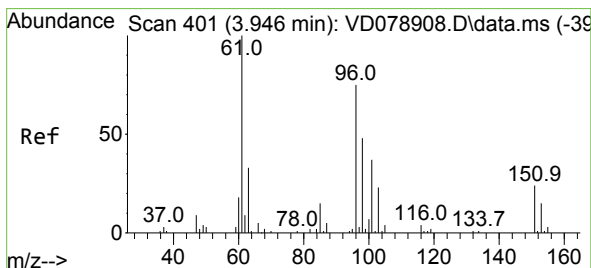
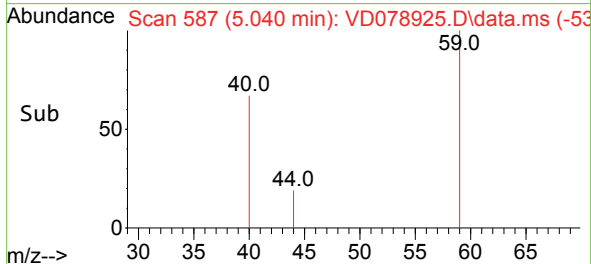
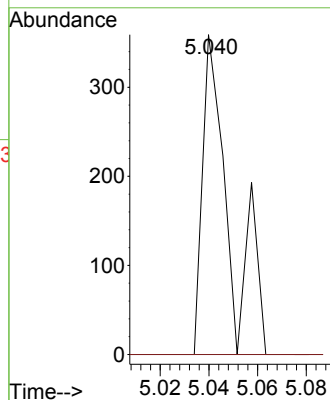
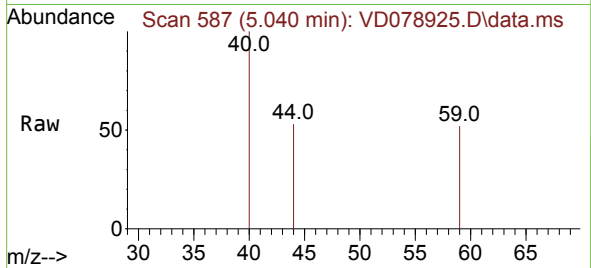
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 59 Resp: 274

Ion Ratio Lower Upper

59 100

57 0.0 3.6 5.4#



#12

1,1-Dichloroethene

Concen: 2.954 ug/l

RT: 3.952 min Scan# 402

Delta R.T. 0.006 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

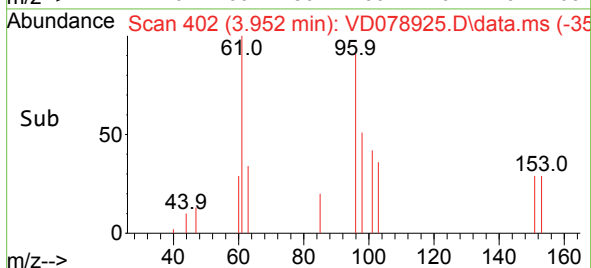
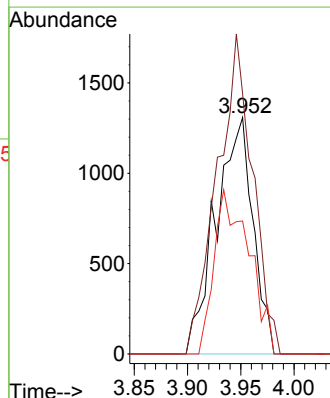
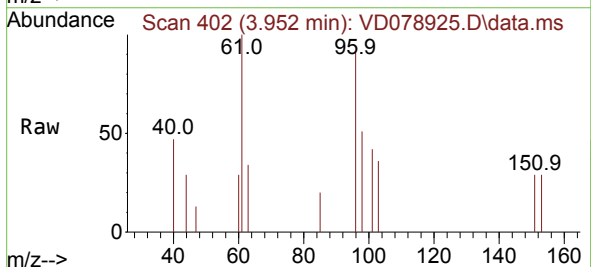
Tgt Ion: 96 Resp: 3159

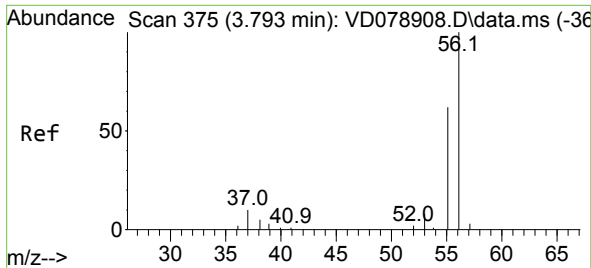
Ion Ratio Lower Upper

96 100

61 110.2 107.3 160.9

98 56.2 51.7 77.5





#13

Acrolein

Concen: 8.121 ug/l

RT: 3.810 min Scan# 31

Delta R.T. 0.018 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

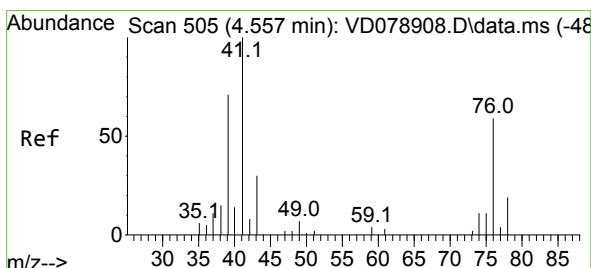
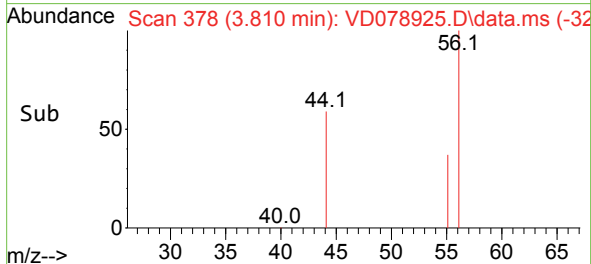
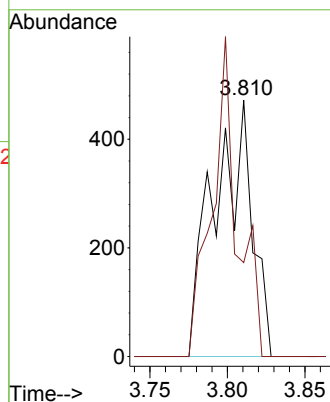
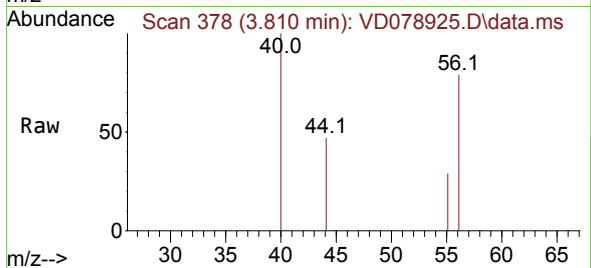
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 56 Resp: 801

Ion Ratio Lower Upper

56 100

55 83.1 55.3 82.9#



#14

Allyl chloride

Concen: 2.869 ug/l

RT: 4.558 min Scan# 505

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

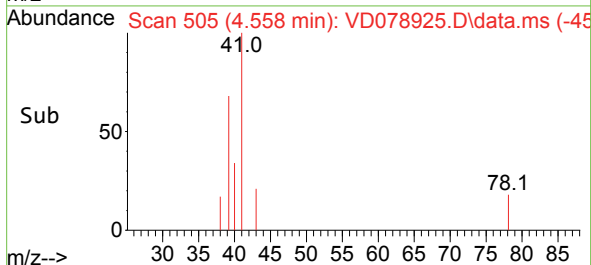
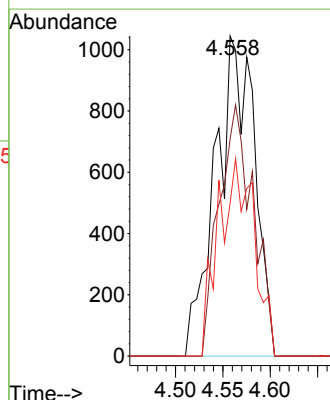
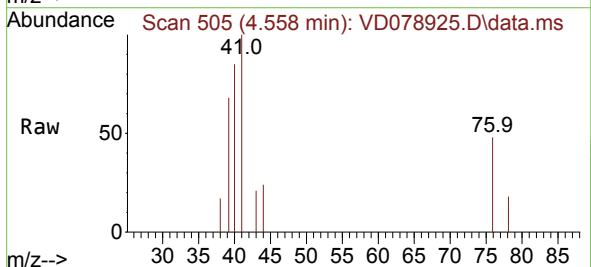
Tgt Ion: 41 Resp: 2994

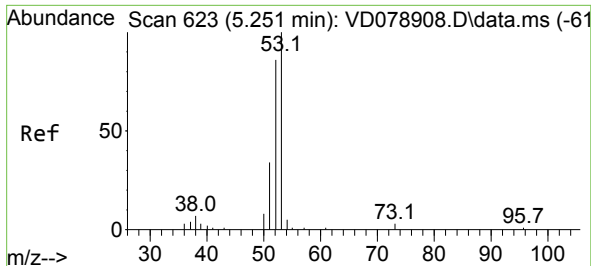
Ion Ratio Lower Upper

41 100

39 68.8 58.0 87.0

76 56.6 45.9 68.9

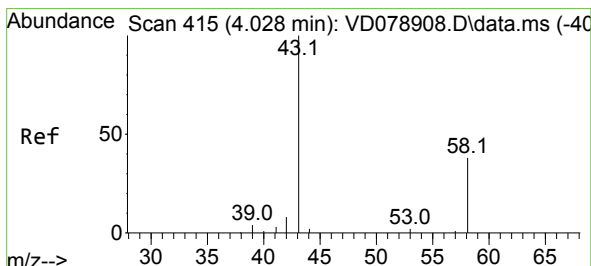
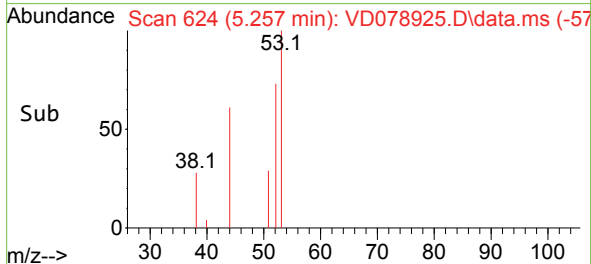
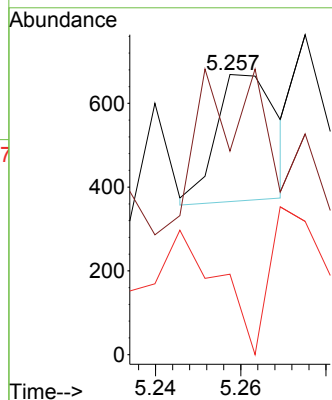
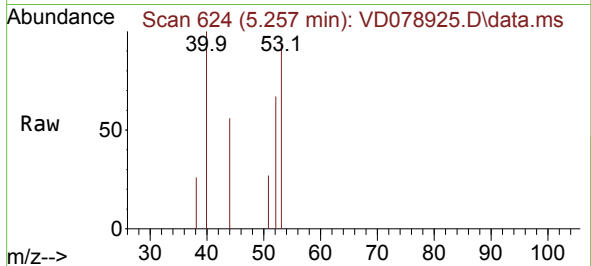




#15
Acrylonitrile
Concen: 1.582 ug/l
RT: 5.257 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

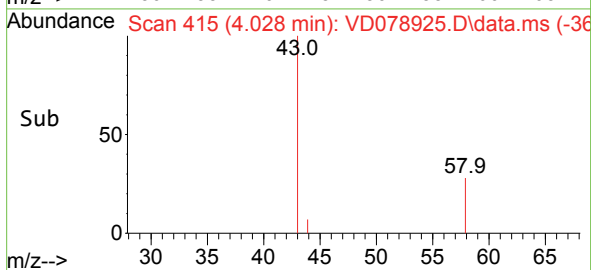
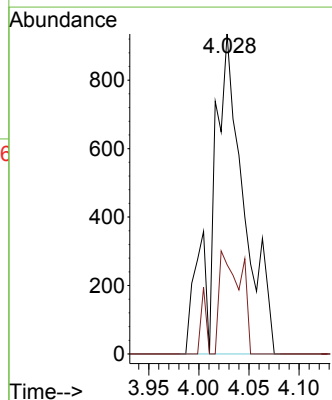
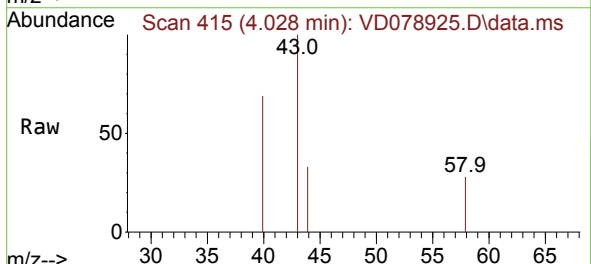
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

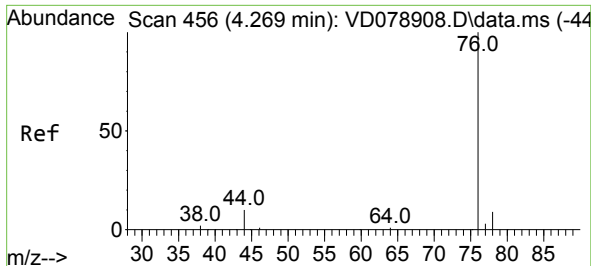
Tgt Ion: 53 Resp: 303
Ion Ratio Lower Upper
53 100
52 640.3 67.7 101.5#
51 115.5 28.6 42.8#



#16
Acetone
Concen: 12.938 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 43 Resp: 2044
Ion Ratio Lower Upper
43 100
58 27.9 30.4 45.6#

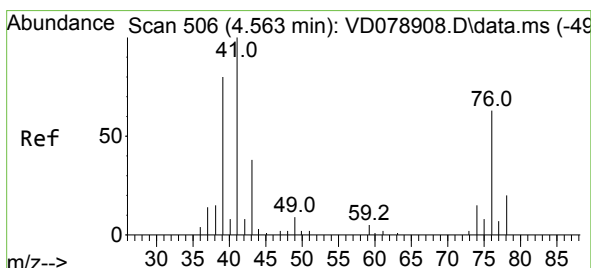
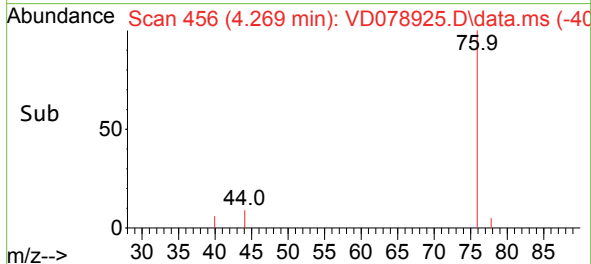
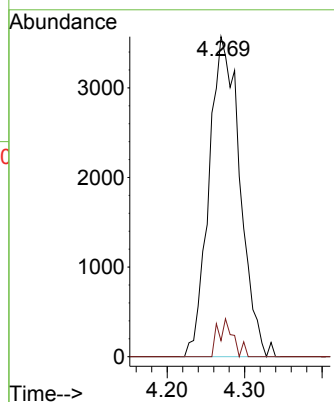
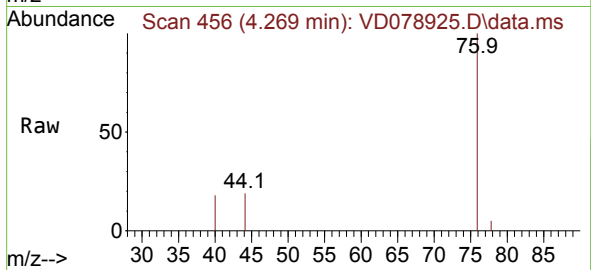




#17
Carbon Disulfide
Concen: 2.884 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

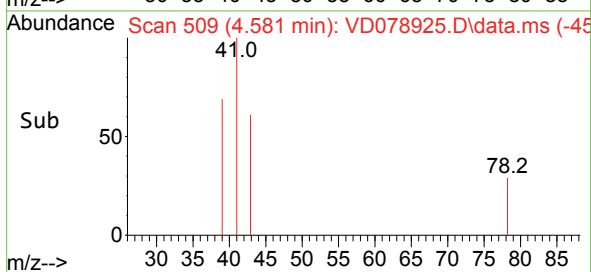
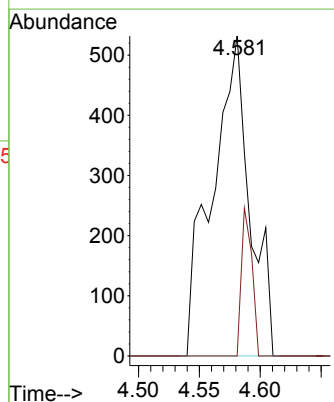
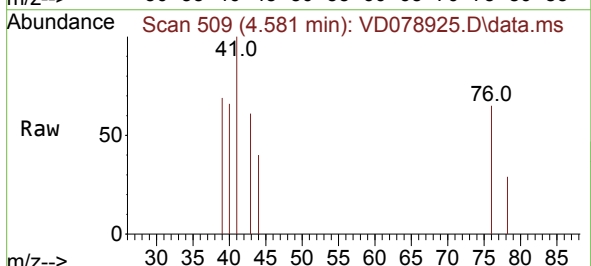
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

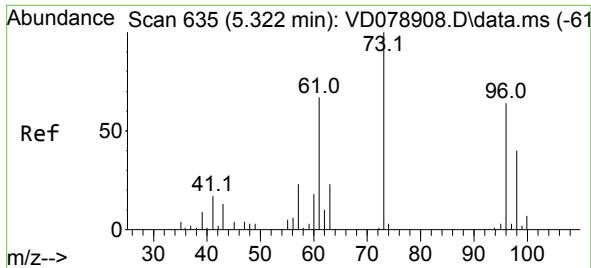
Tgt Ion: 76 Resp: 9923
Ion Ratio Lower Upper
76 100
78 5.0 6.9 10.3#



#18
Methyl Acetate
Concen: 3.148 ug/l
RT: 4.581 min Scan# 509
Delta R.T. 0.018 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 43 Resp: 1145
Ion Ratio Lower Upper
43 100
74 12.8 28.1 42.1#





#19

Methyl tert-butyl Ether

Concen: 1.088 ug/l

RT: 5.310 min Scan# 61

Delta R.T. -0.011 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

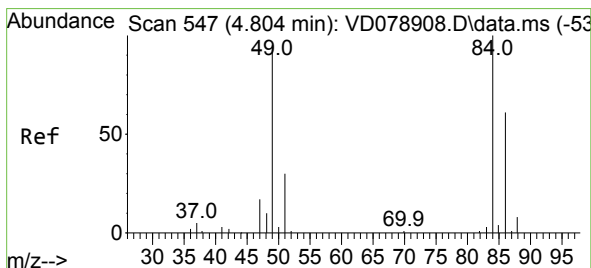
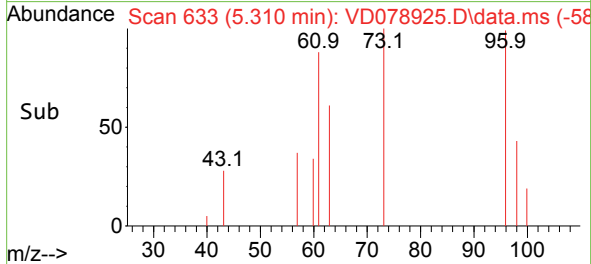
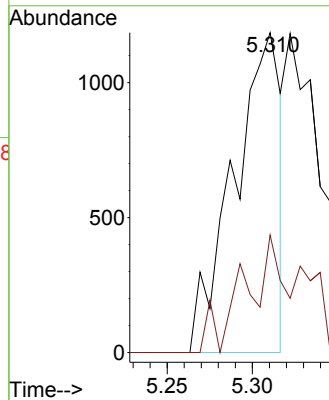
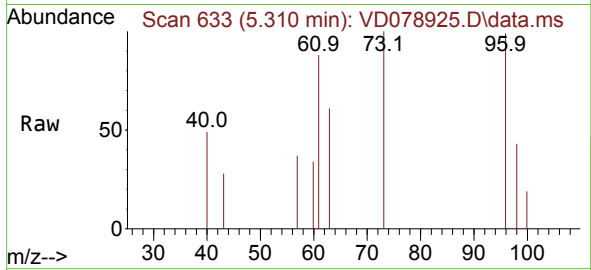
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 73 Resp: 2267

Ion Ratio Lower Upper

73 100

57 36.7 18.3 27.5#



#20

Methylene Chloride

Concen: 3.892 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.001 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Tgt Ion: 84 Resp: 6352

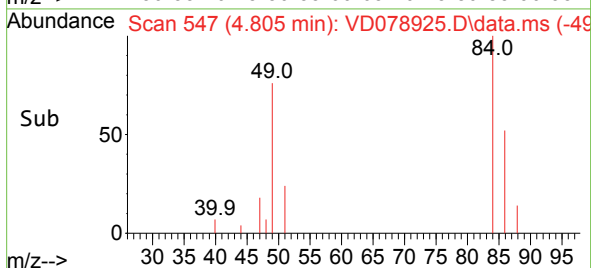
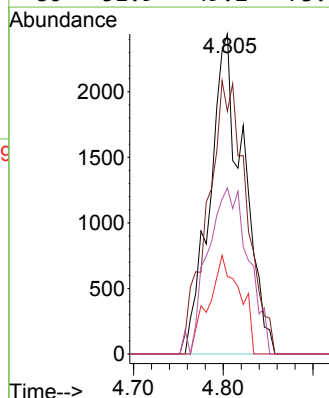
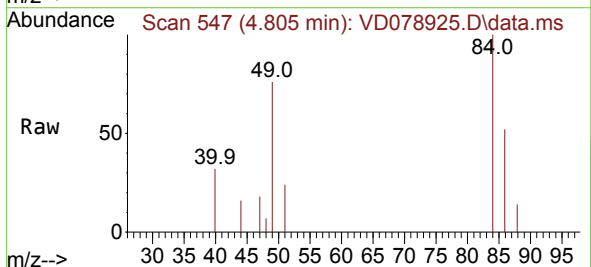
Ion Ratio Lower Upper

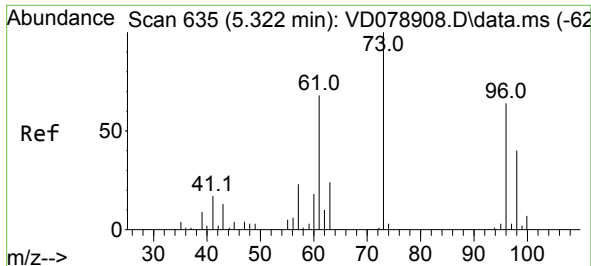
84 100

49 75.8 75.6 113.4

51 24.2 24.2 36.2

86 51.9 49.2 73.8

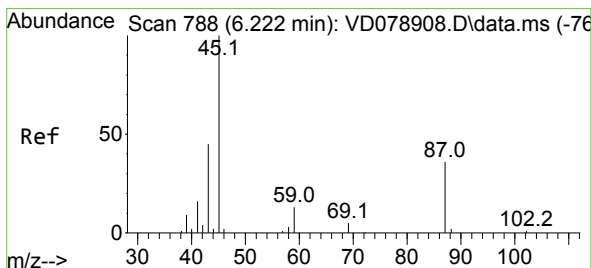
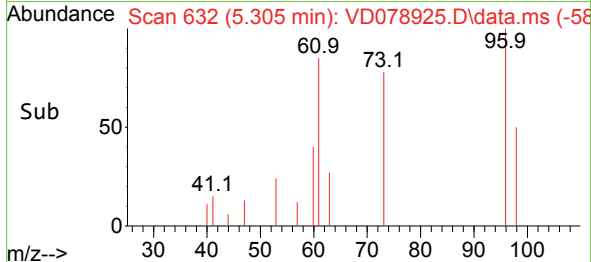
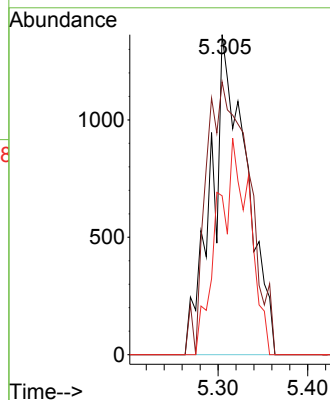
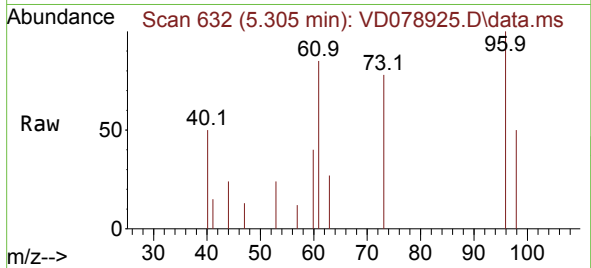




#21
trans-1,2-Dichloroethene
Concen: 3.129 ug/l
RT: 5.305 min Scan# 61
Delta R.T. -0.017 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

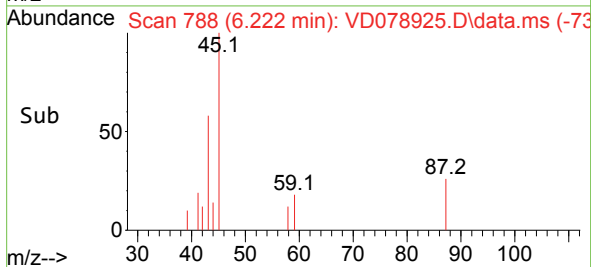
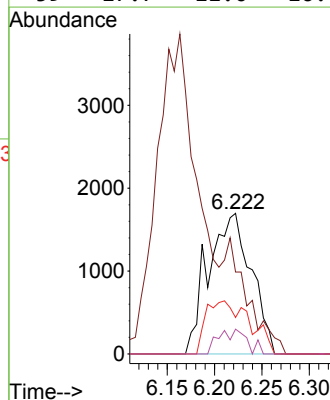
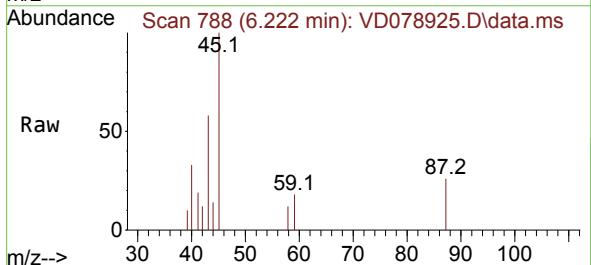
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

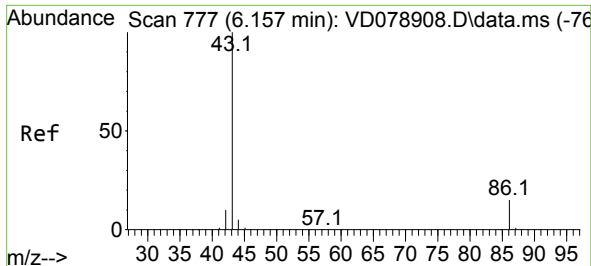
Tgt Ion: 96 Resp: 3729
Ion Ratio Lower Upper
96 100
61 85.3 84.5 126.7
98 49.7 50.5 75.7#



#22
Diisopropyl ether
Concen: 2.261 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 45 Resp: 5336
Ion Ratio Lower Upper
45 100
43 48.9 41.7 62.5
87 25.9 30.2 45.2#
59 17.7 11.0 16.6#

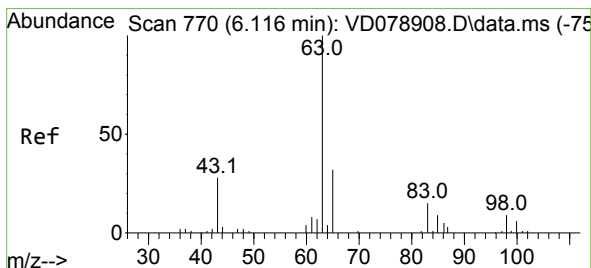
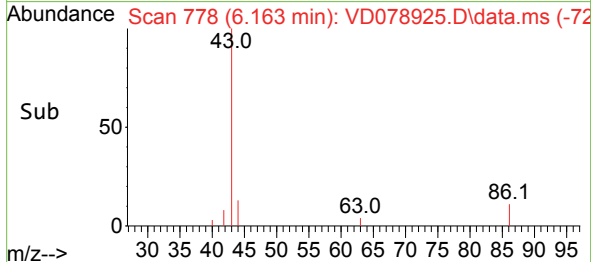
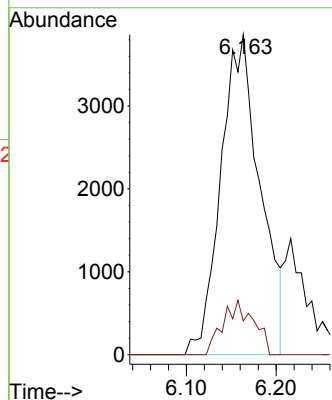
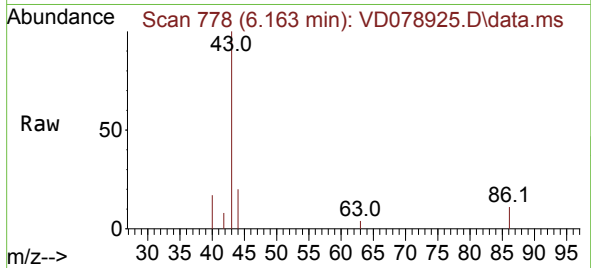




#23
 Vinyl Acetate
 Concen: 8.292 ug/l
 RT: 6.163 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VD078925.D
 Acq: 15 May 2024 11:41

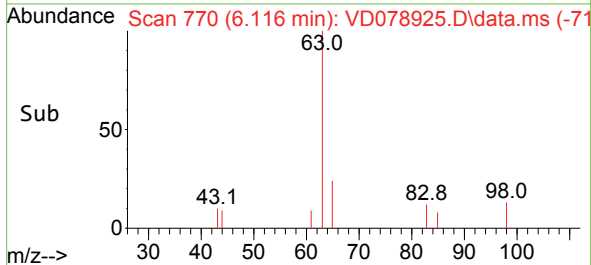
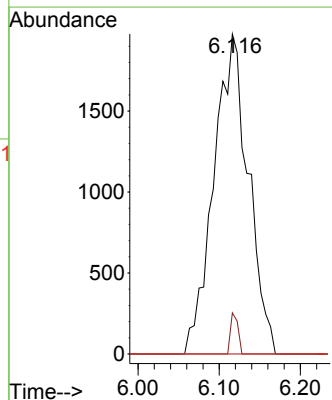
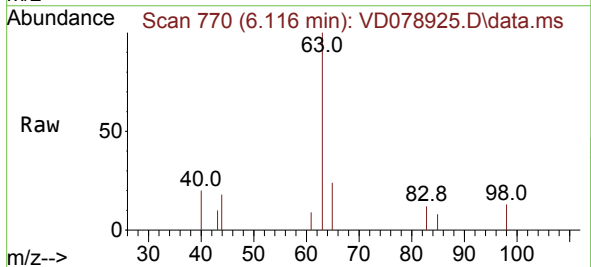
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

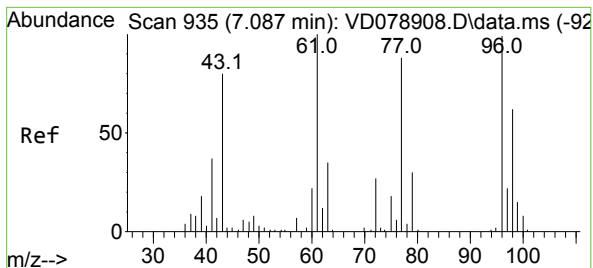
Tgt Ion: 43 Resp: 11737
 Ion Ratio Lower Upper
 43 100
 86 10.6 12.3 18.5#



#24
 1,1-Dichloroethane
 Concen: 3.121 ug/l
 RT: 6.116 min Scan# 770
 Delta R.T. 0.000 min
 Lab File: VD078925.D
 Acq: 15 May 2024 11:41

Tgt Ion: 63 Resp: 5839
 Ion Ratio Lower Upper
 63 100
 98 12.9 4.7 14.0
 100 0.0 2.9 8.6#





#25

2-Butanone

Concen: 9.835 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

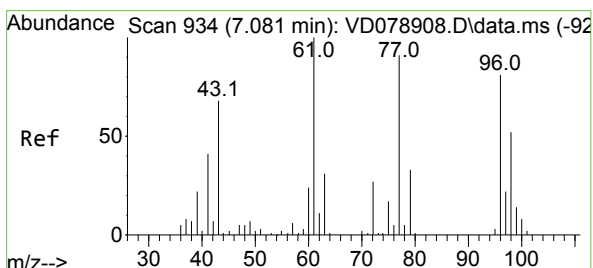
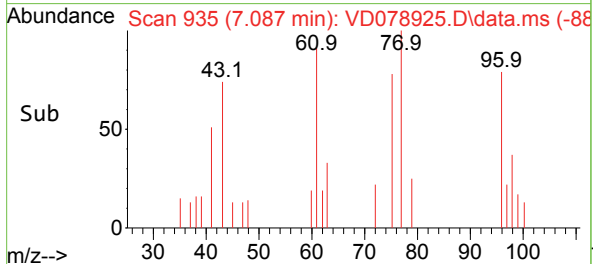
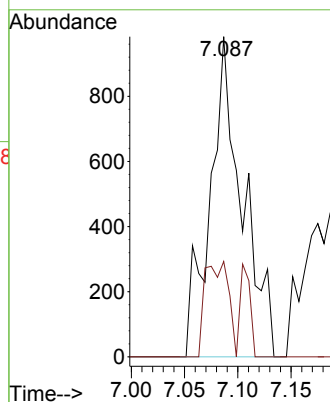
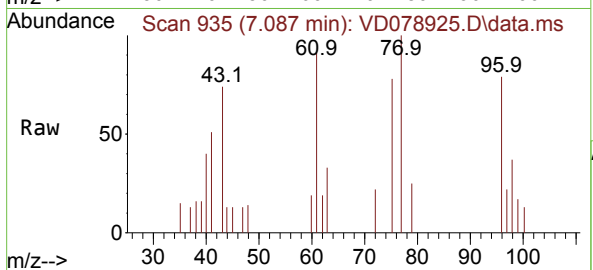
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 43 Resp: 2078

Ion Ratio Lower Upper

43 100

72 29.8 26.4 39.6



#26

2,2-Dichloropropane

Concen: 2.743 ug/l

RT: 7.075 min Scan# 933

Delta R.T. -0.006 min

Lab File: VD078925.D

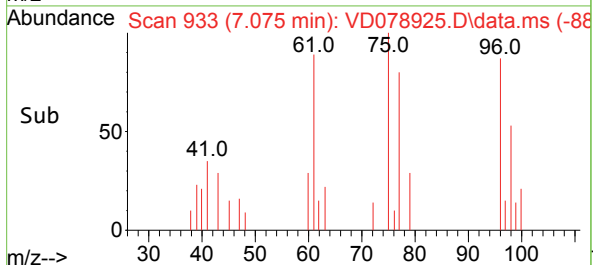
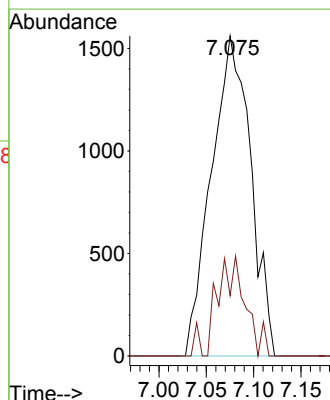
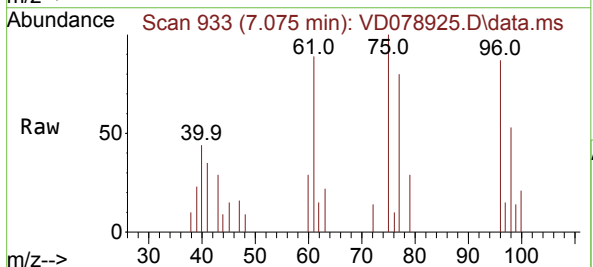
Acq: 15 May 2024 11:41

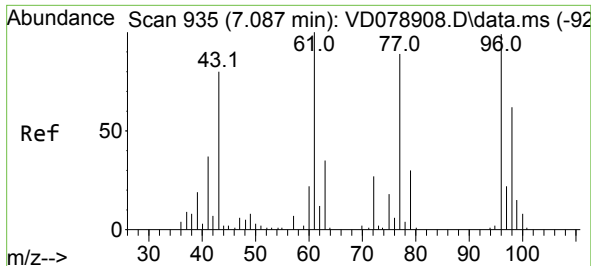
Tgt Ion: 77 Resp: 4510

Ion Ratio Lower Upper

77 100

97 21.4 12.4 37.2

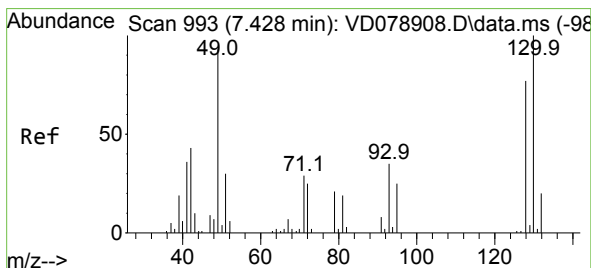
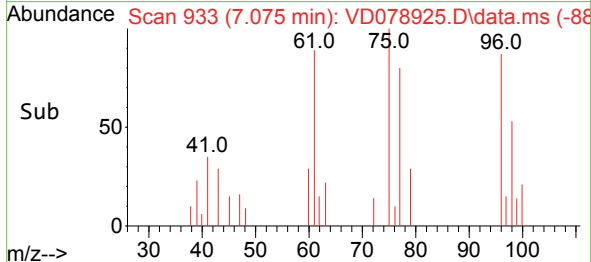
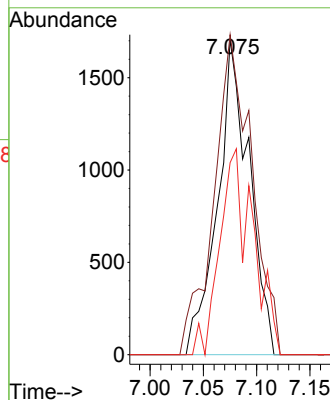
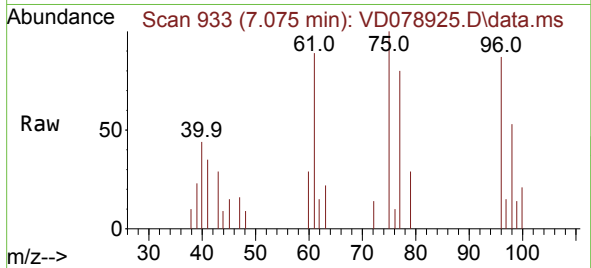




#27
cis-1,2-Dichloroethene
Concen: 2.517 ug/l
RT: 7.075 min Scan# 911
Delta R.T. -0.011 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

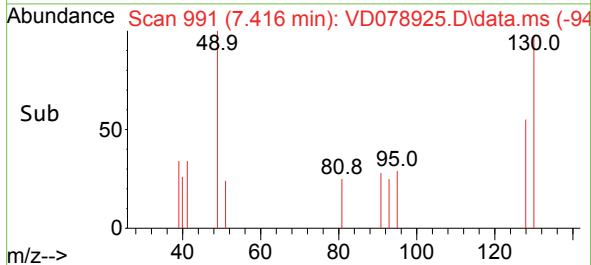
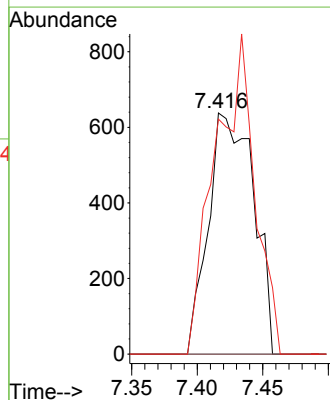
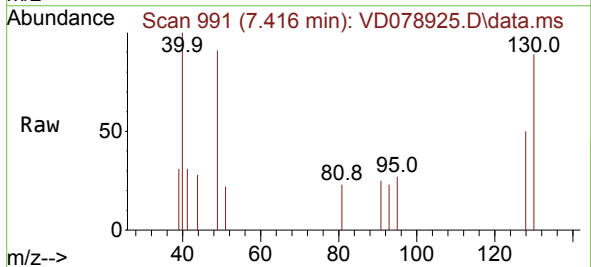
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

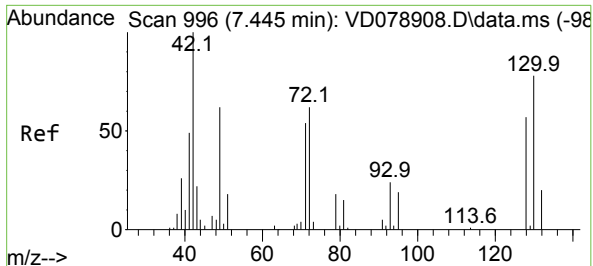
Tgt Ion:	96	Resp:	3523
Ion	Ratio	Lower	Upper
96	100		
61	121.8	0.0	229.0
98	68.7	0.0	127.2



#28
Bromochloromethane
Concen: 2.465 ug/l
RT: 7.416 min Scan# 991
Delta R.T. -0.011 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion:	49	Resp:	1538
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.0
130	115.5	87.7	131.5





#29

Tetrahydrofuran

Concen: 9.402 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.006 min

Lab File: VD078925.D

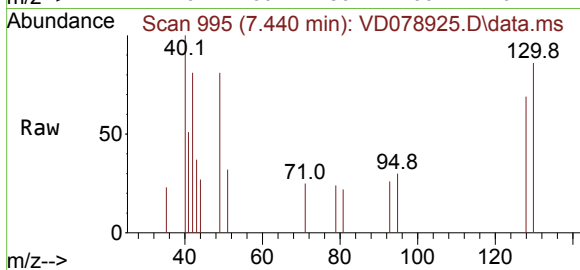
Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



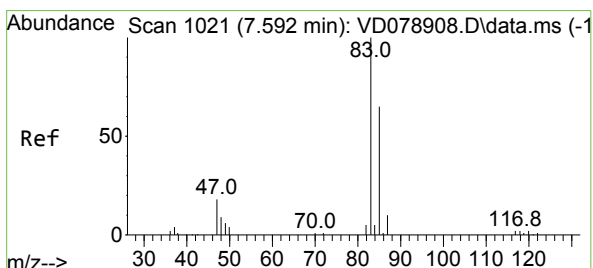
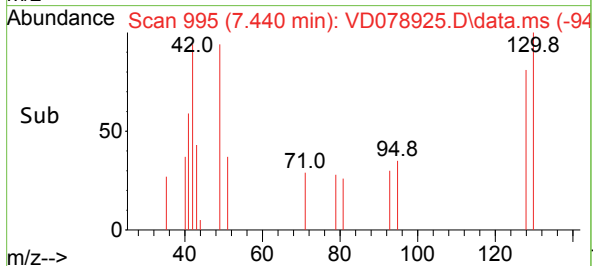
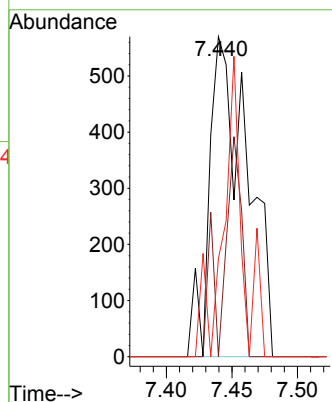
Tgt Ion: 42 Resp: 1149

Ion Ratio Lower Upper

42 100

72 34.1 49.4 74.0#

71 40.6 45.0 67.6#



#30

Chloroform

Concen: 3.291 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD078925.D

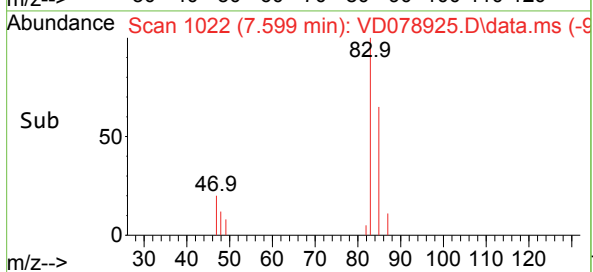
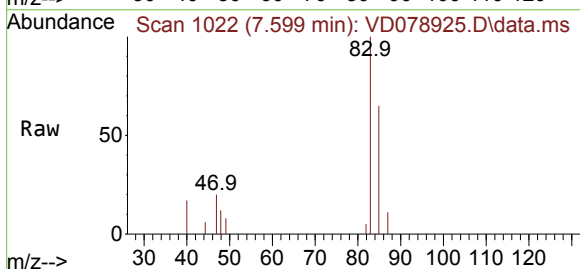
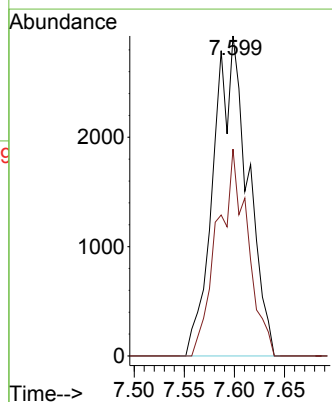
Acq: 15 May 2024 11:41

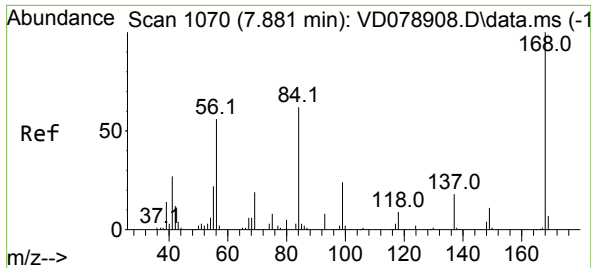
Tgt Ion: 83 Resp: 6973

Ion Ratio Lower Upper

83 100

85 64.7 51.8 77.6

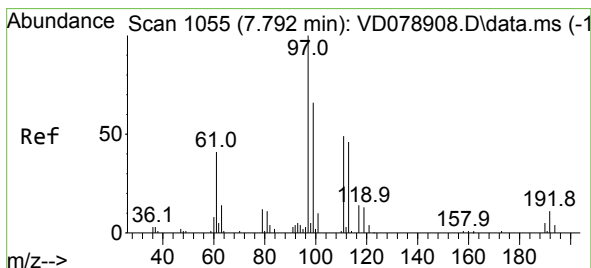
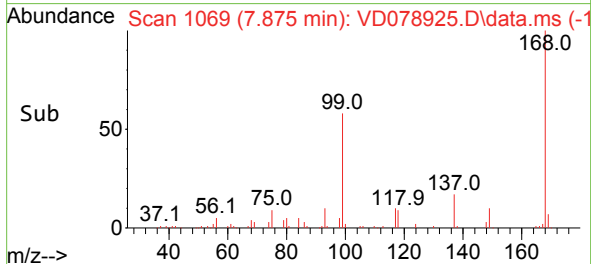
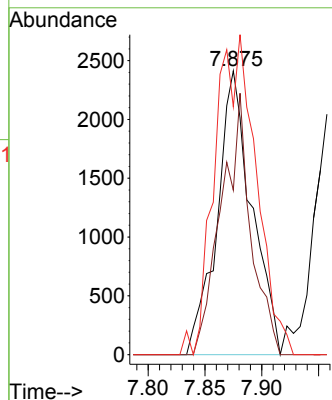
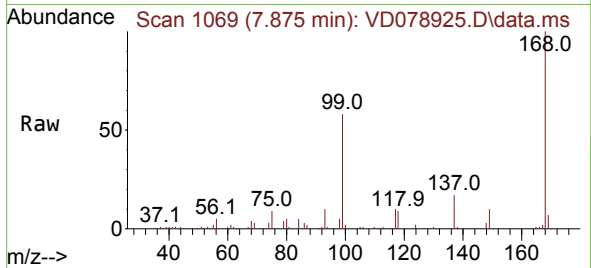




#31
Cyclohexane
Concen: 3.530 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

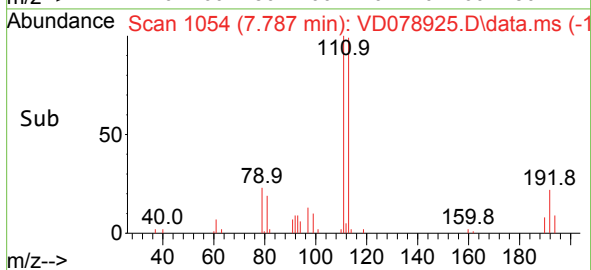
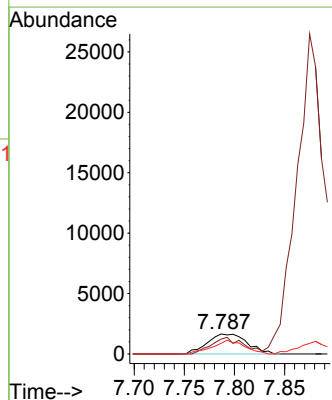
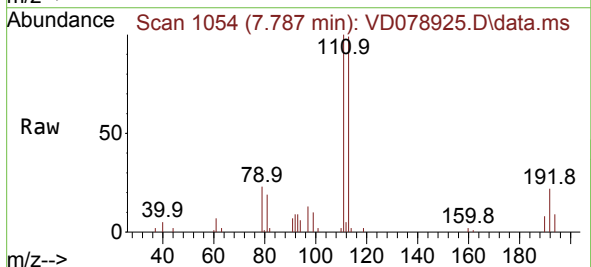
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

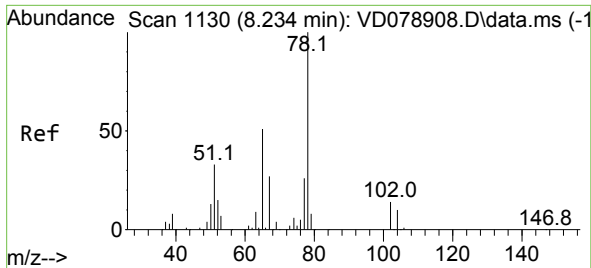
Tgt Ion: 56 Resp: 5110
Ion Ratio Lower Upper
56 100
69 57.9 28.0 42.0#
84 87.4 87.4 131.0



#32
1,1,1-Trichloroethane
Concen: 2.513 ug/l
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 97 Resp: 4561
Ion Ratio Lower Upper
97 100
99 67.9 51.3 76.9
61 55.2 31.4 47.2#

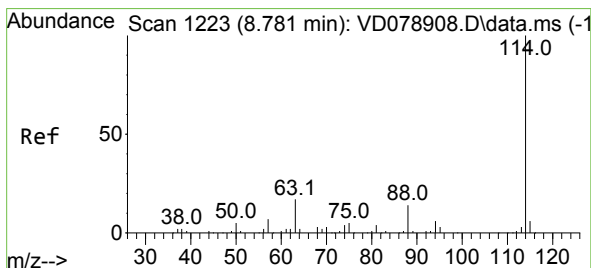
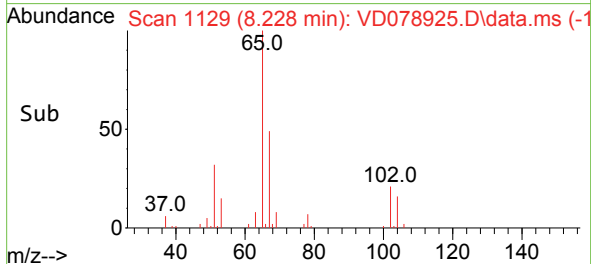
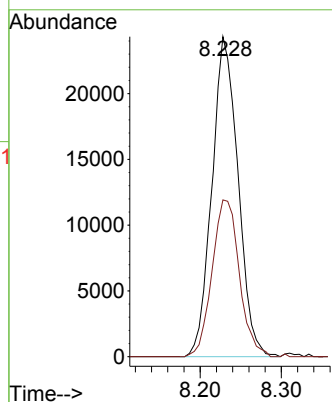
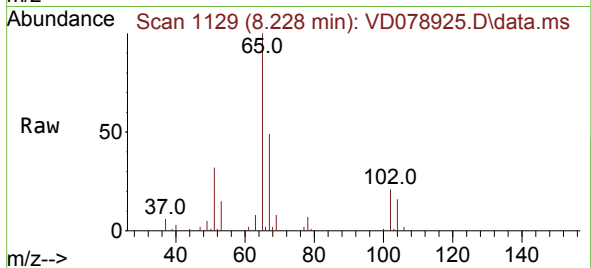




#33
1,2-Dichloroethane-d4
Concen: 54.855 ug/l
RT: 8.228 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

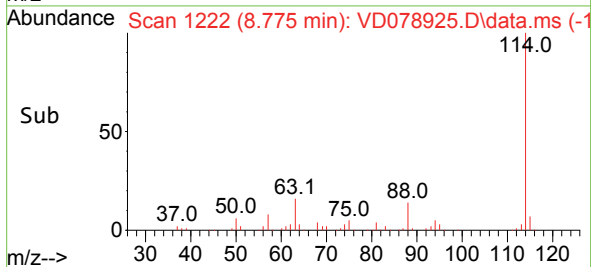
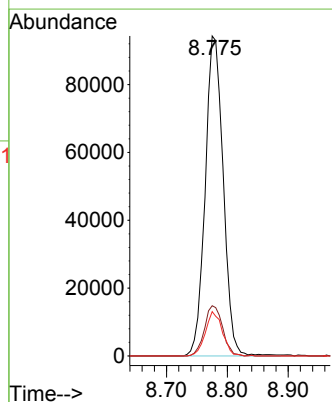
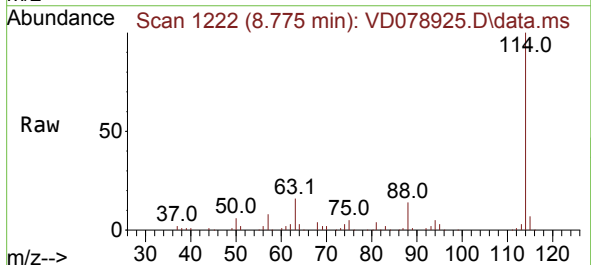
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

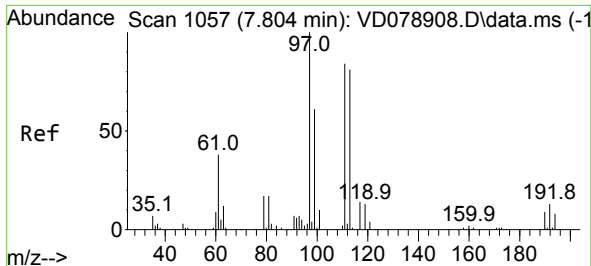
Tgt Ion: 65 Resp: 54351
Ion Ratio Lower Upper
65 100
67 51.1 0.0 111.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion:114 Resp: 193741
Ion Ratio Lower Upper
114 100
63 15.7 0.0 34.0
88 13.8 0.0 27.2

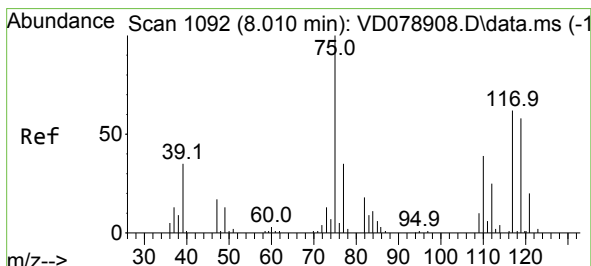
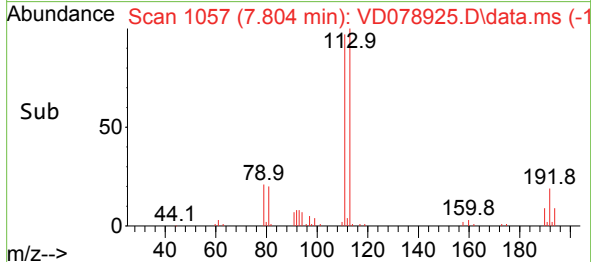
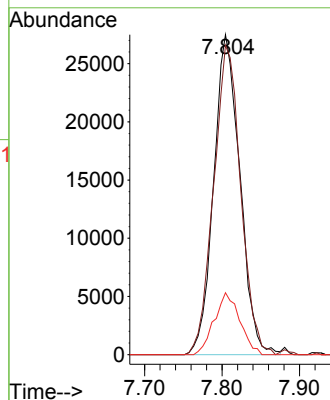
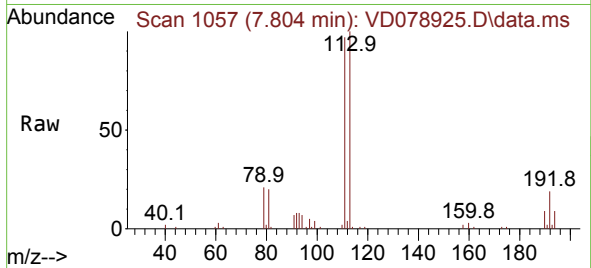




#35
Dibromofluoromethane
Concen: 50.126 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

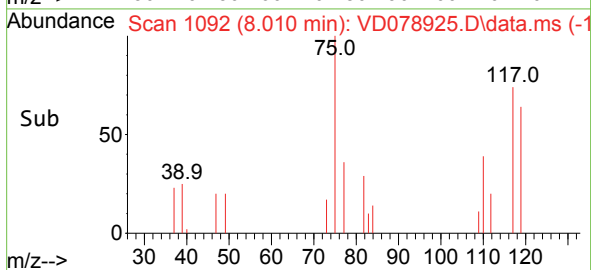
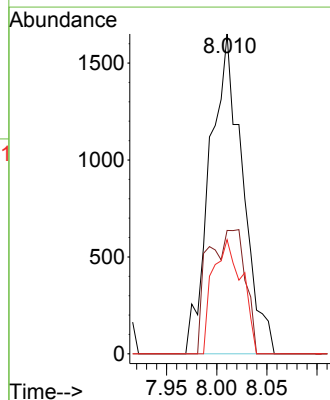
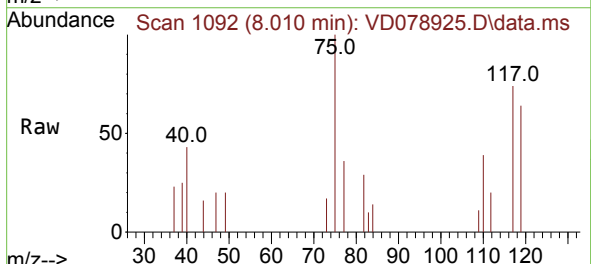
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

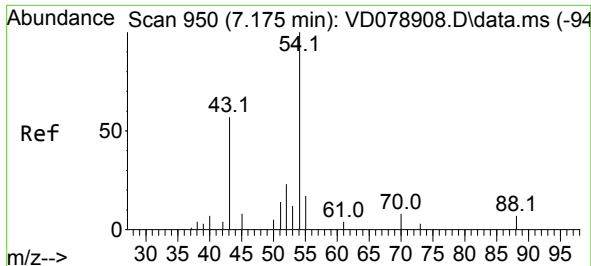
Tgt Ion:113 Resp: 64646
Ion Ratio Lower Upper
113 100
111 99.7 84.0 126.0
192 18.9 15.4 23.0



#36
1,1-Dichloropropene
Concen: 2.324 ug/l
RT: 8.010 min Scan# 1092
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 75 Resp: 3729
Ion Ratio Lower Upper
75 100
110 44.3 19.6 58.7
77 32.0 26.1 39.1





#37

Ethyl Acetate

Concen: 1.459 ug/l

RT: 7.187 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD078925.D

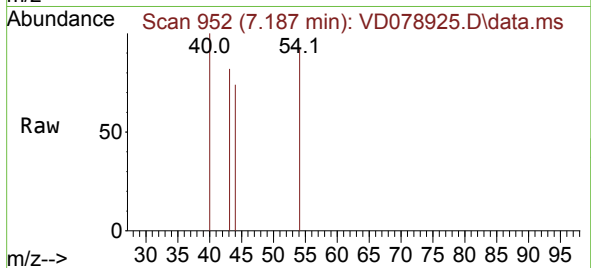
Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



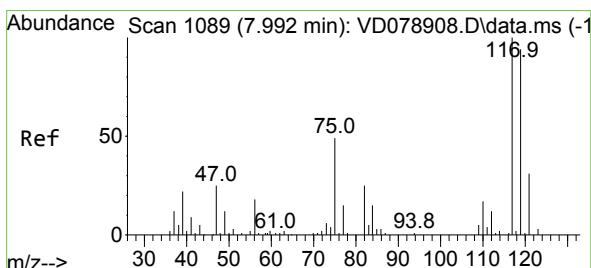
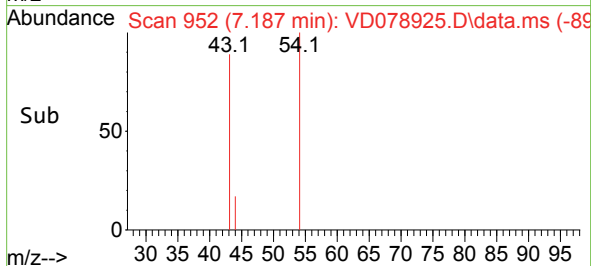
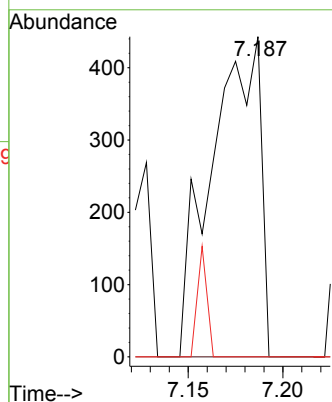
Tgt Ion: 43 Resp: 798

Ion Ratio Lower Upper

43 100

61 0.0 13.9 20.9#

70 0.0 9.8 14.6#



#38

Carbon Tetrachloride

Concen: 2.593 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

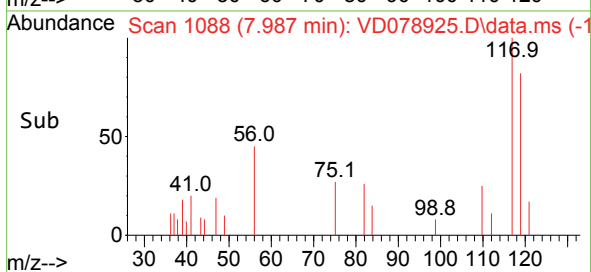
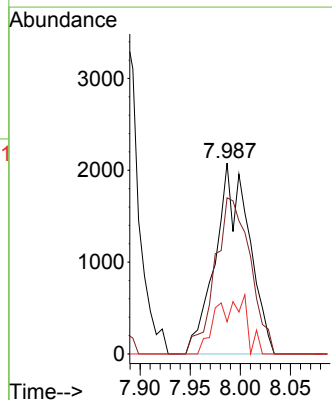
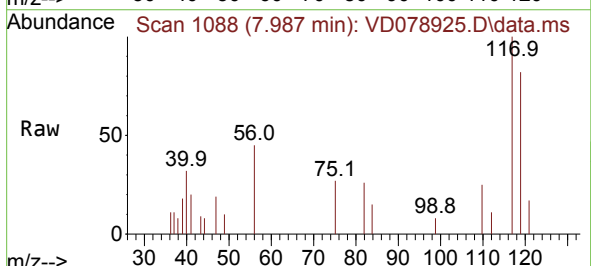
Tgt Ion: 117 Resp: 4870

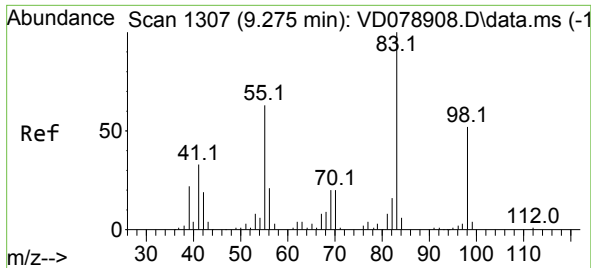
Ion Ratio Lower Upper

117 100

119 81.8 75.4 113.0

121 16.8 25.0 37.4#

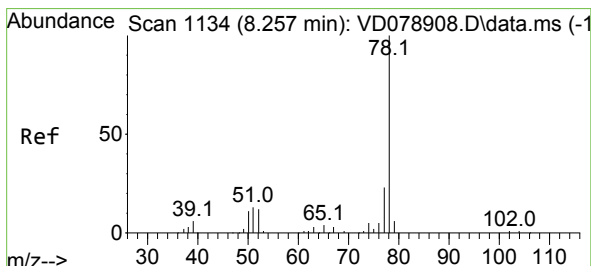
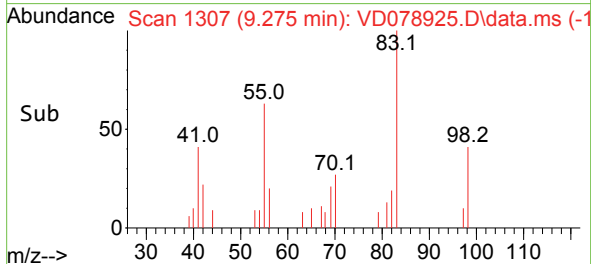
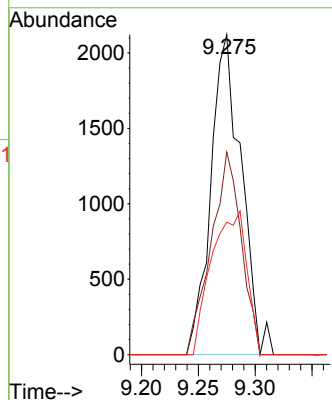
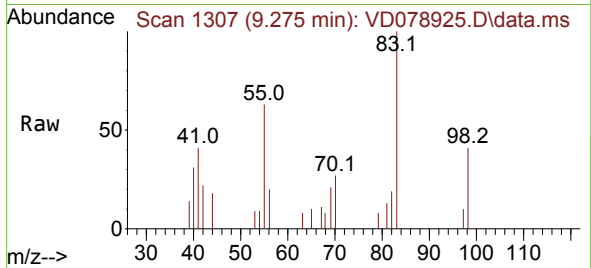




#39
Methylcyclohexane
Concen: 2.025 ug/l
RT: 9.275 min Scan# 1137
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

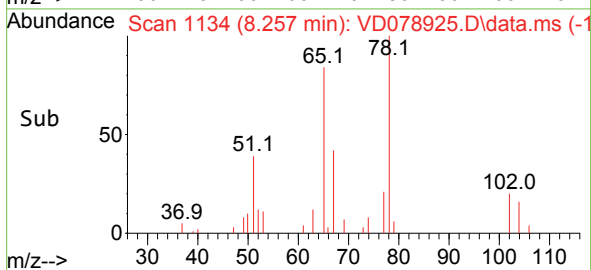
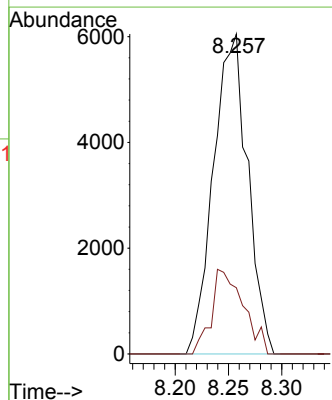
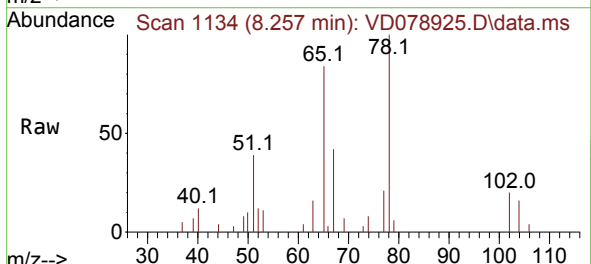
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

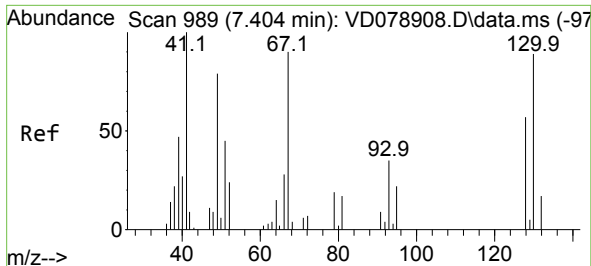
Tgt Ion: 83	Resp:	3949
Ion Ratio	Lower	Upper
83	100	
55	63.4	50.1 75.1
98	41.4	41.9 62.9#



#40
Benzene
Concen: 2.599 ug/l
RT: 8.257 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 78	Resp:	13490
Ion Ratio	Lower	Upper
78	100	
77	20.7	18.1 27.1

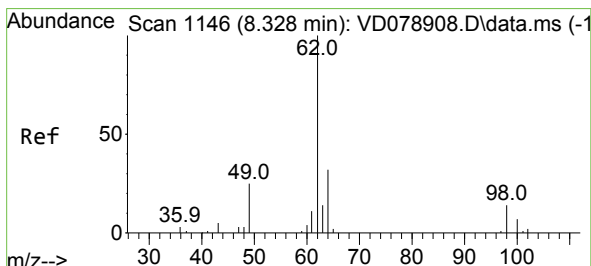
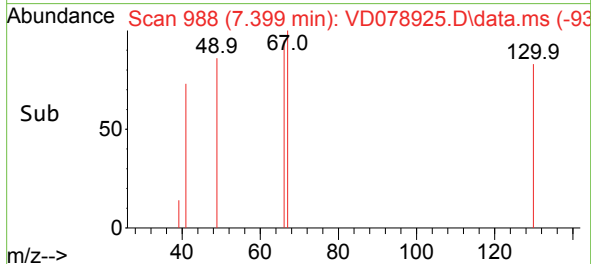
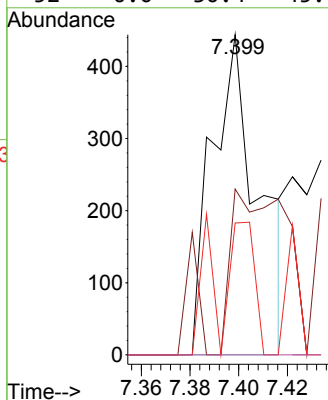
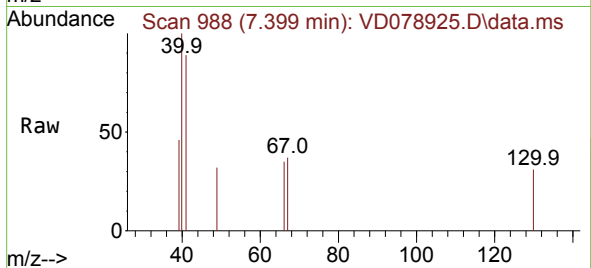




#41
Methacrylonitrile
Concen: 2.008 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

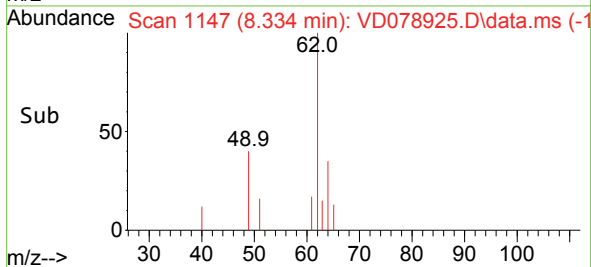
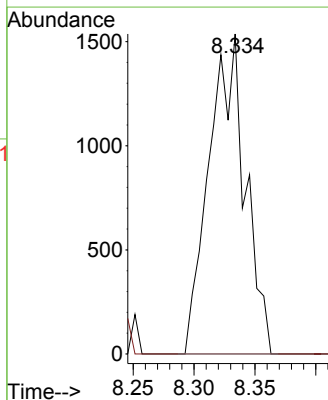
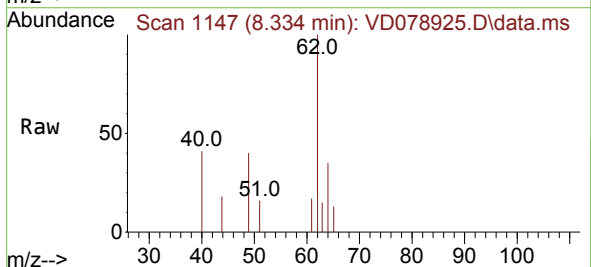
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

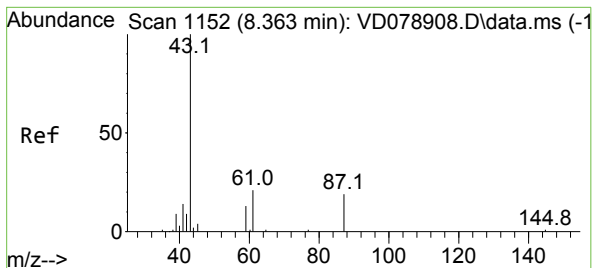
Tgt Ion:	41	Resp:	591
Ion	Ratio	Lower	Upper
41	100		
39	61.3	41.4	62.0
67	0.0	85.8	128.6#
52	0.0	30.4	45.6#



#42
1,2-Dichloroethane
Concen: 2.519 ug/l
RT: 8.334 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion:	62	Resp:	3165
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	25.8





#43

Isopropyl Acetate

Concen: 1.062 ug/l

RT: 8.357 min Scan# 1151

Delta R.T. -0.006 min

Lab File: VD078925.D

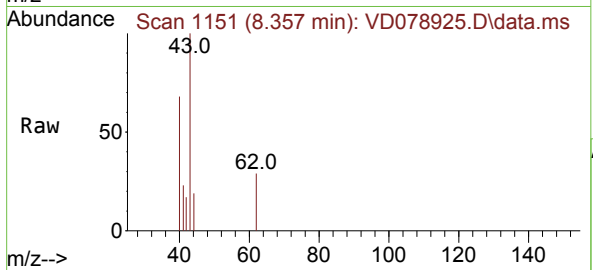
Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



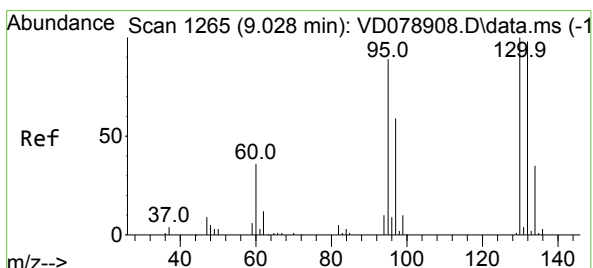
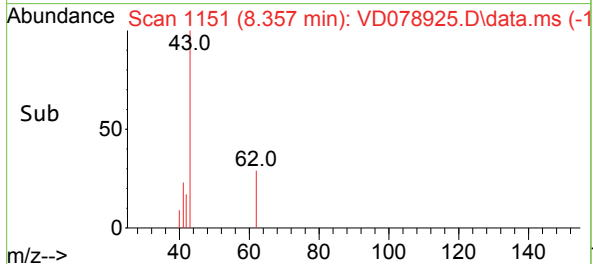
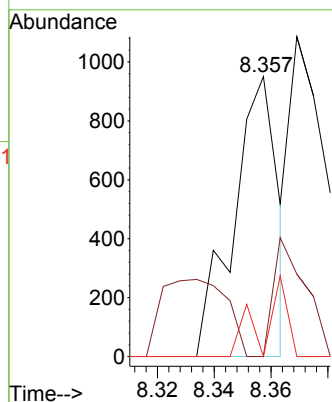
Tgt Ion: 43 Resp: 1031

Ion Ratio Lower Upper

43 100

61 30.4 29.3 43.9

87 15.4 14.9 22.3



#44

Trichloroethene

Concen: 2.560 ug/l

RT: 9.028 min Scan# 1265

Delta R.T. 0.000 min

Lab File: VD078925.D

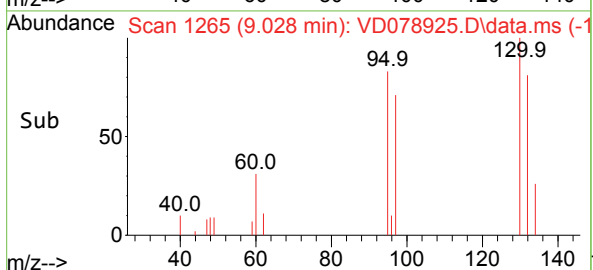
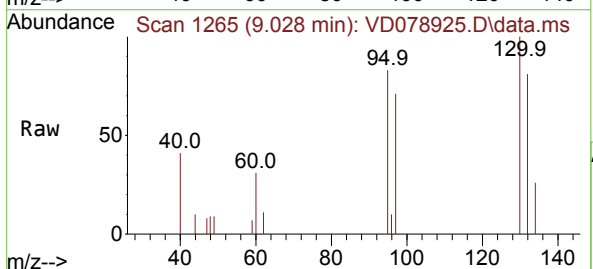
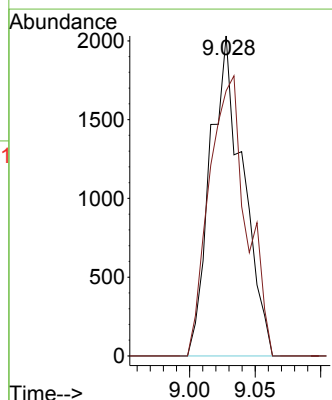
Acq: 15 May 2024 11:41

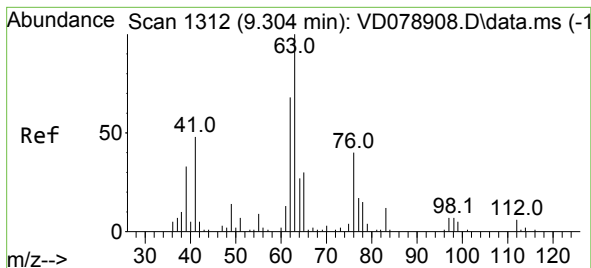
Tgt Ion:130 Resp: 3525

Ion Ratio Lower Upper

130 100

95 82.9 0.0 177.8





#45

1,2-Dichloropropane

Concen: 2.592 ug/l

RT: 9.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

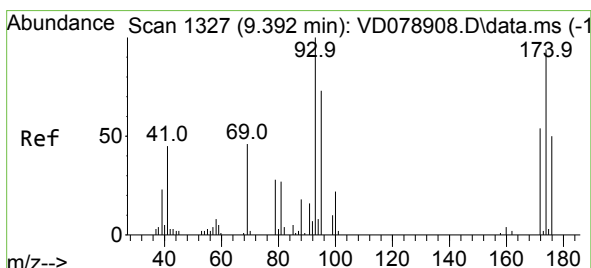
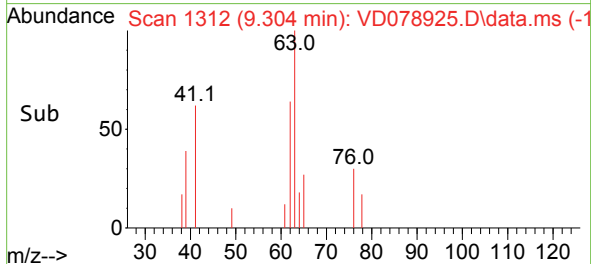
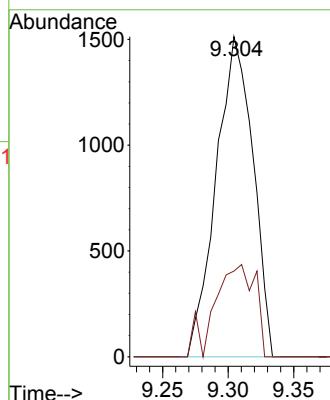
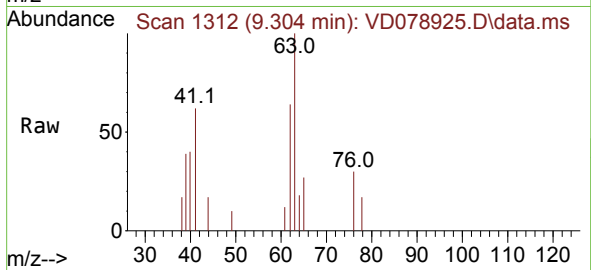
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 63 Resp: 2957

Ion Ratio Lower Upper

63 100

65 26.8 23.8 35.8



#46

Dibromomethane

Concen: 2.409 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

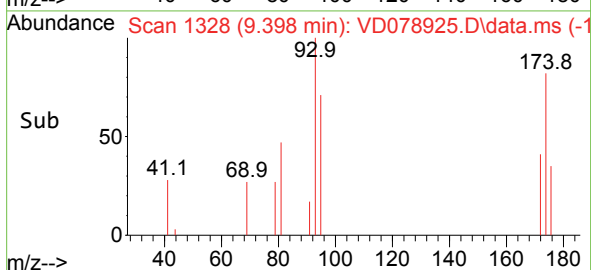
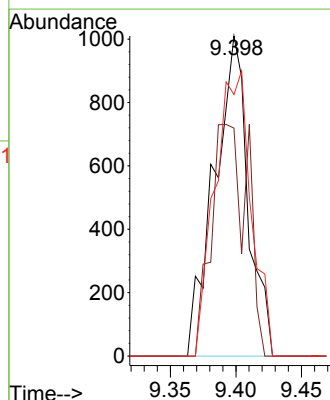
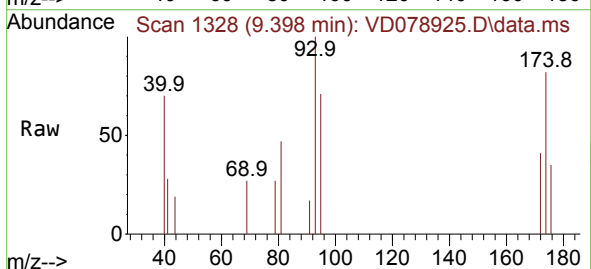
Tgt Ion: 93 Resp: 1809

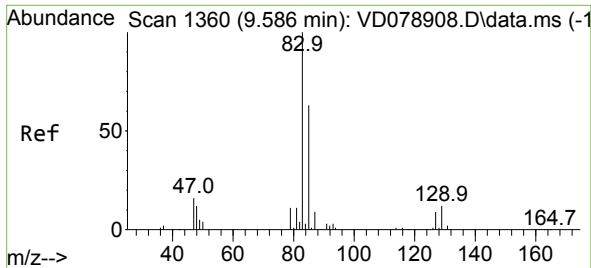
Ion Ratio Lower Upper

93 100

95 77.6 65.6 98.4

174 95.7 82.3 123.5

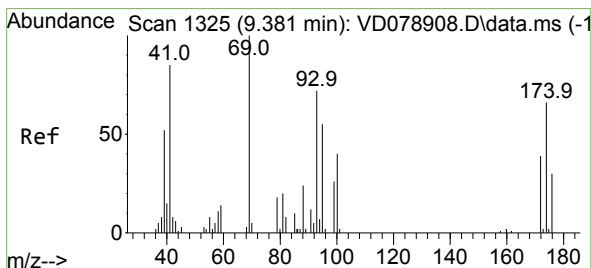
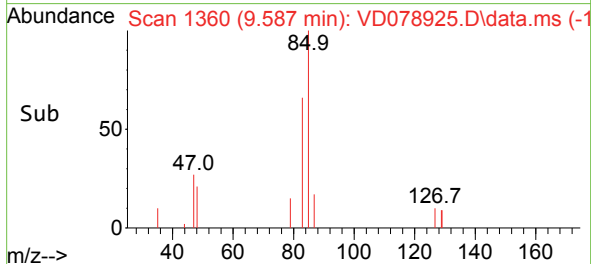
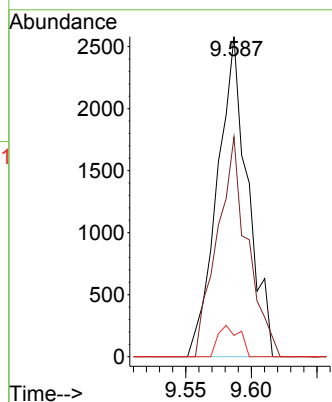
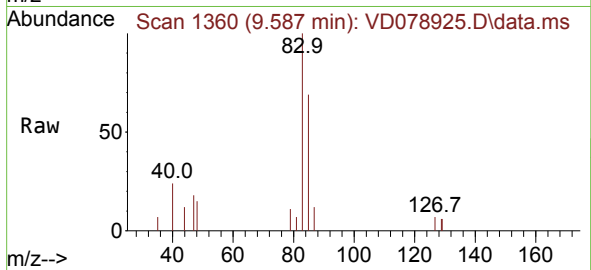




#47
Bromodichloromethane
Concen: 2.301 ug/l
RT: 9.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

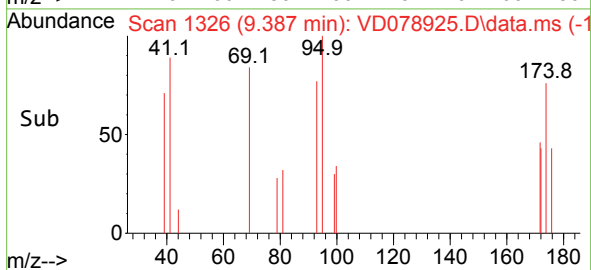
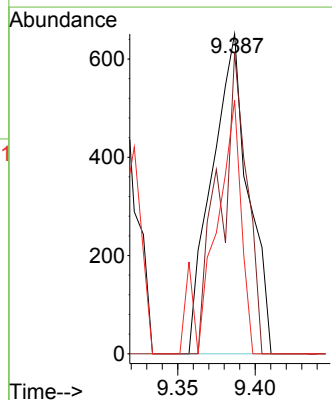
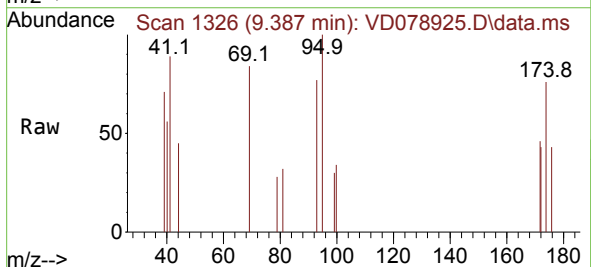
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

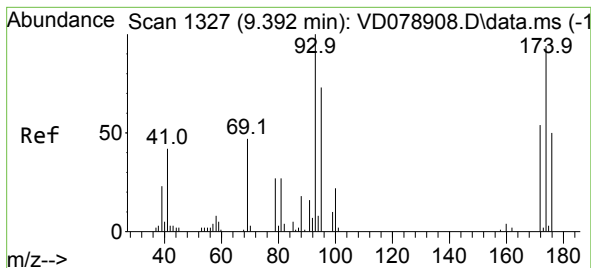
Tgt Ion: 83 Resp: 4159
Ion Ratio Lower Upper
83 100
85 68.7 50.1 75.1
127 6.7 6.8 10.2#



#48
Methyl methacrylate
Concen: 2.244 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 41 Resp: 1060
Ion Ratio Lower Upper
41 100
69 71.7 96.7 145.1#
39 57.1 43.8 65.6





#49

1,4-Dioxane

Concen: 10.900 ug/l

RT: 9.393 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078925.D

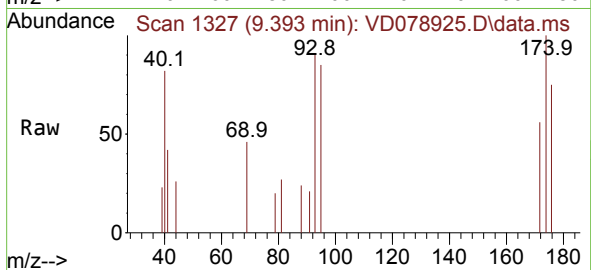
Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



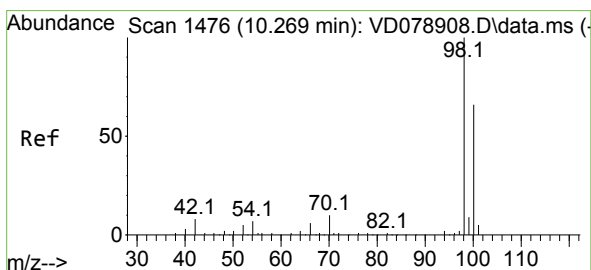
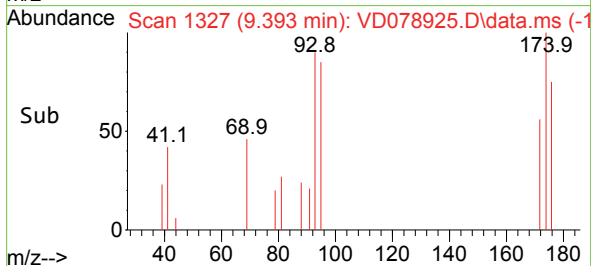
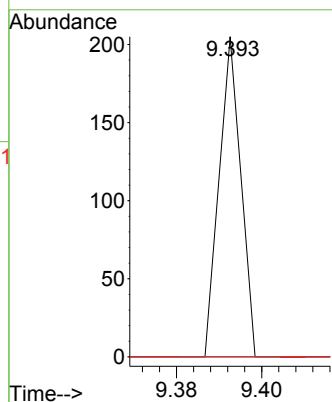
Tgt Ion: 88 Resp: 72

Ion Ratio Lower Upper

88 100

43 0.0 21.5 32.3#

58 0.0 42.2 63.4#



#50

Toluene-d8

Concen: 48.980 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078925.D

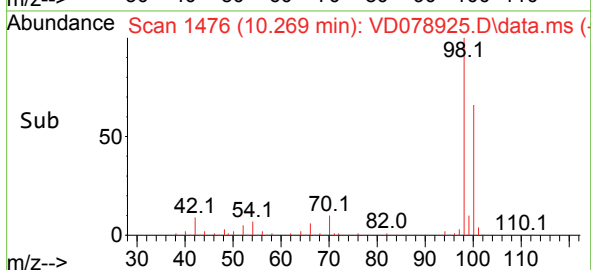
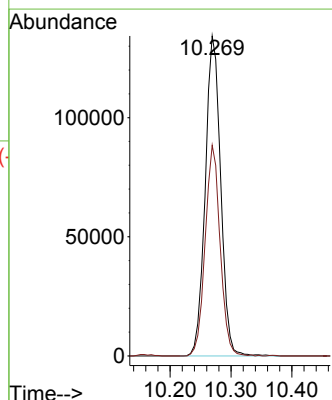
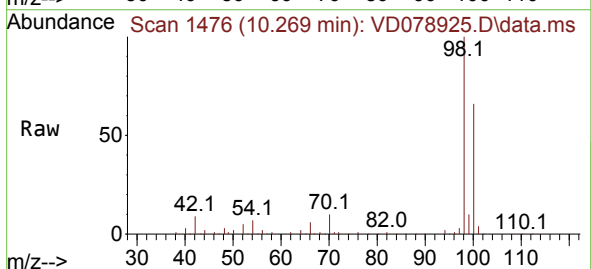
Acq: 15 May 2024 11:41

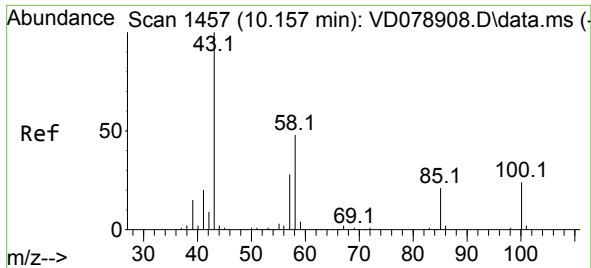
Tgt Ion: 98 Resp: 236806

Ion Ratio Lower Upper

98 100

100 63.9 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 8.690 ug/l

RT: 10.169 min Scan# 1459

Delta R.T. 0.012 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

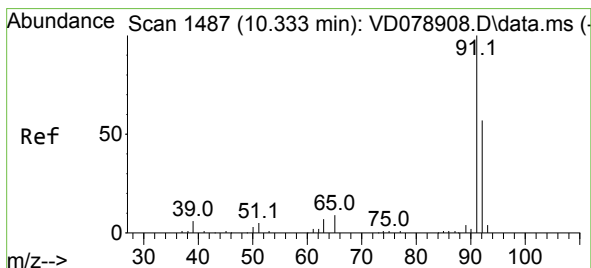
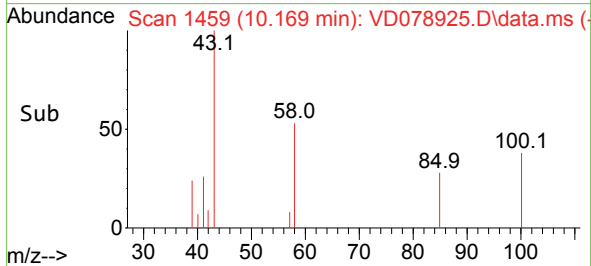
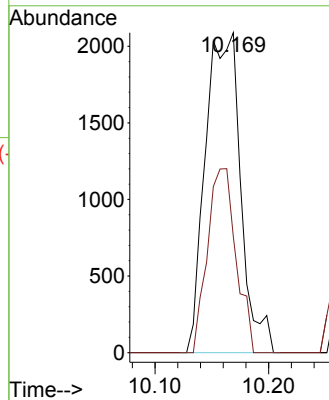
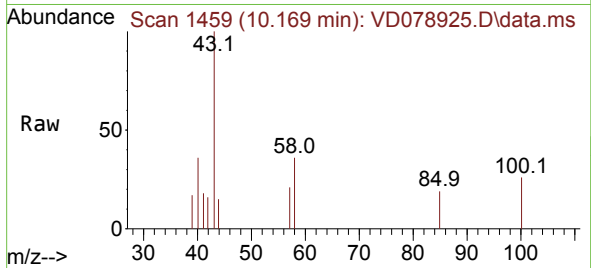
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 43 Resp: 4492

Ion Ratio Lower Upper

43 100

58 46.7 36.6 55.0



#52

Toluene

Concen: 2.367 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD078925.D

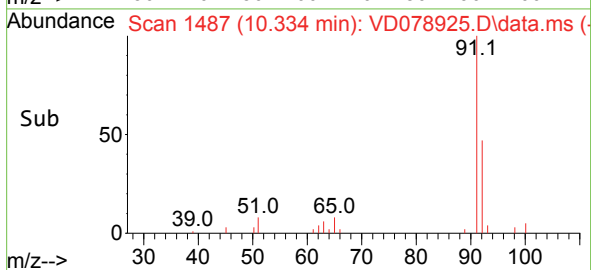
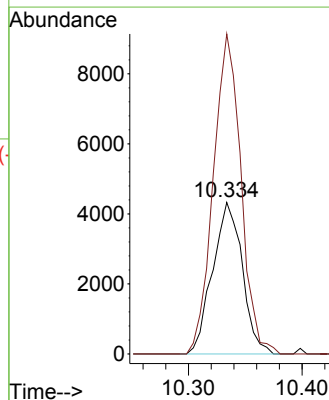
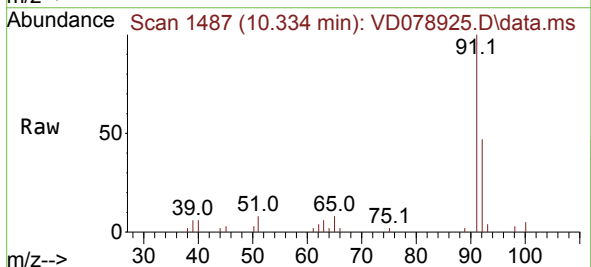
Acq: 15 May 2024 11:41

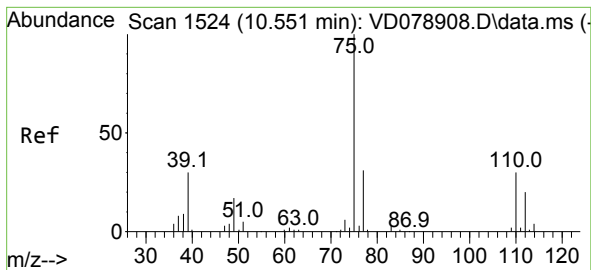
Tgt Ion: 92 Resp: 7864

Ion Ratio Lower Upper

92 100

91 196.7 141.7 212.5

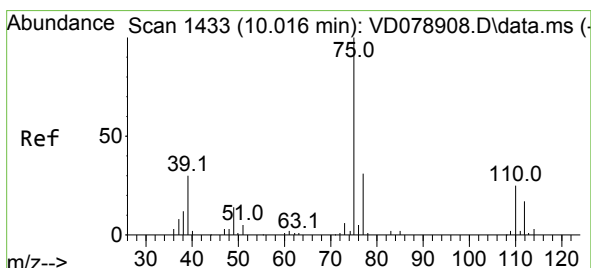
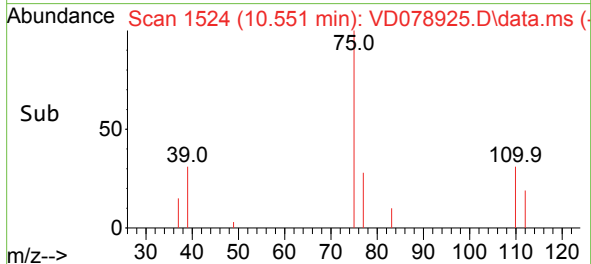
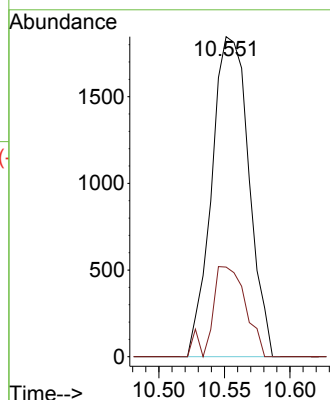
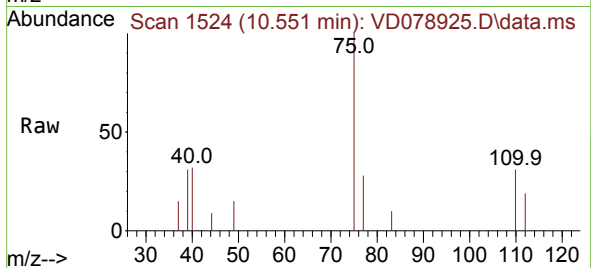




#53
 t-1,3-Dichloropropene
 Concen: 2.373 ug/l
 RT: 10.551 min Scan# 1524
 Delta R.T. 0.000 min
 Lab File: VD078925.D
 Acq: 15 May 2024 11:41

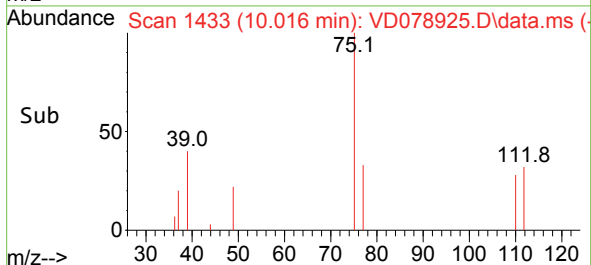
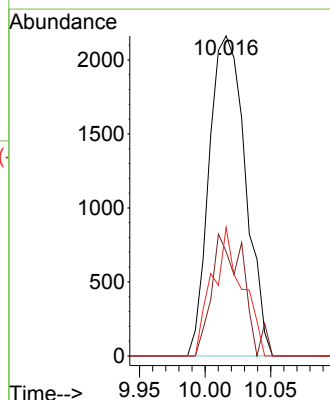
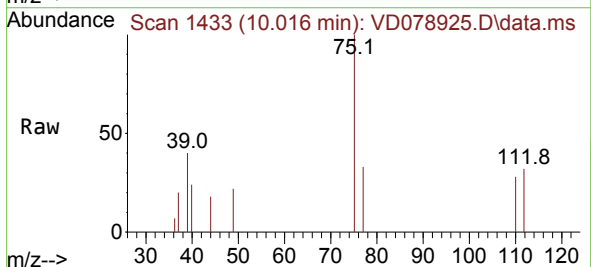
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

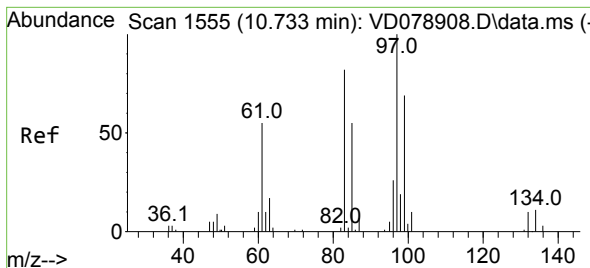
Tgt Ion: 75 Resp: 3645
 Ion Ratio Lower Upper
 75 100
 77 28.0 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 2.260 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD078925.D
 Acq: 15 May 2024 11:41

Tgt Ion: 75 Resp: 4167
 Ion Ratio Lower Upper
 75 100
 77 32.6 24.4 36.6
 39 40.1 24.2 36.2#





#55

1,1,2-Trichloroethane

Concen: 2.632 ug/l

RT: 10.728 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VD078925.D

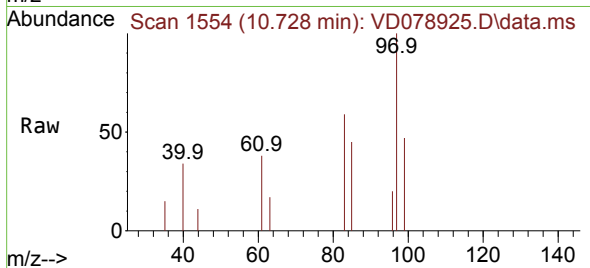
Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion: 97 Resp: 2553

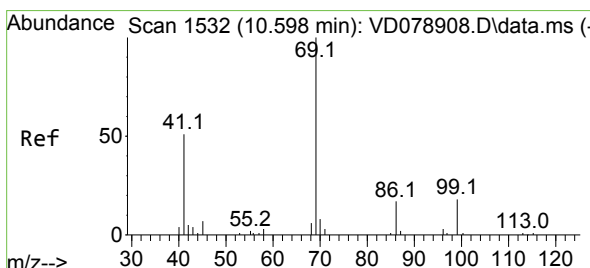
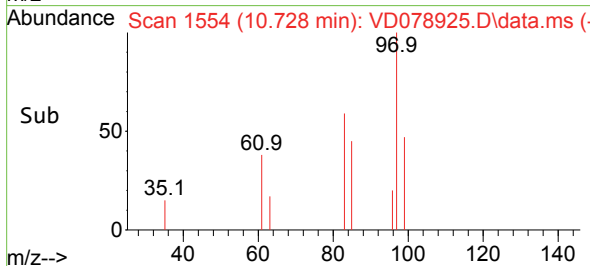
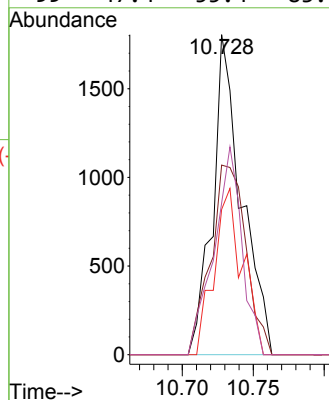
Ion Ratio Lower Upper

97 100

83 59.3 65.8 98.8#

85 45.4 43.8 65.8

99 47.4 55.4 83.0#



#56

Ethyl methacrylate

Concen: 2.016 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

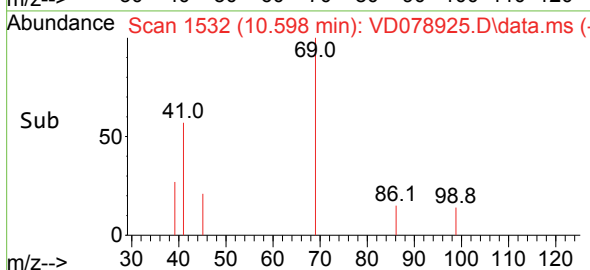
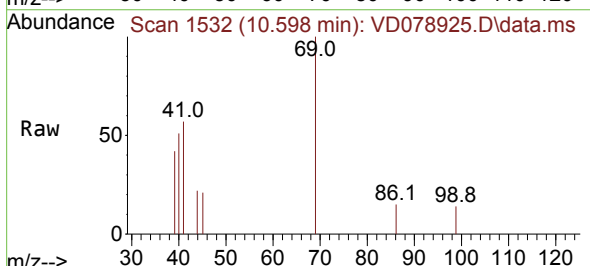
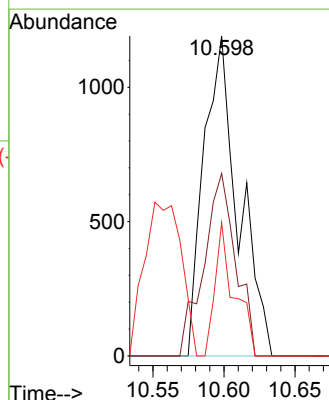
Tgt Ion: 69 Resp: 2012

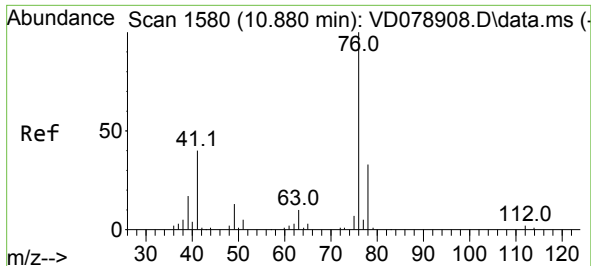
Ion Ratio Lower Upper

69 100

41 52.8 39.8 59.6

39 23.4 20.2 30.4





#57

1,3-Dichloropropane

Concen: 2.345 ug/l

RT: 10.887 min Scan# 1581

Delta R.T. 0.006 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

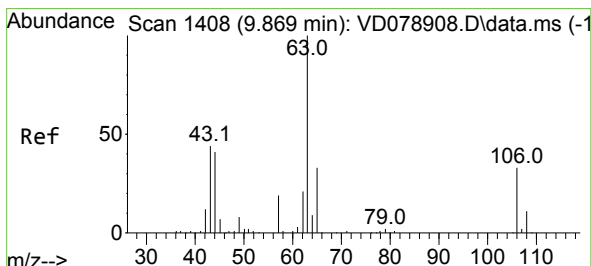
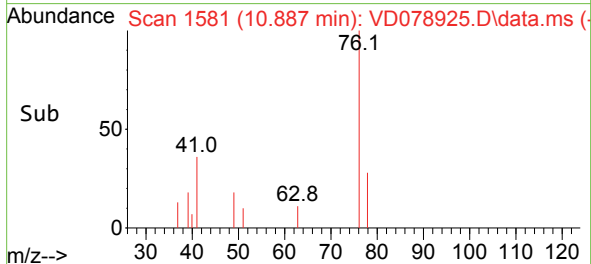
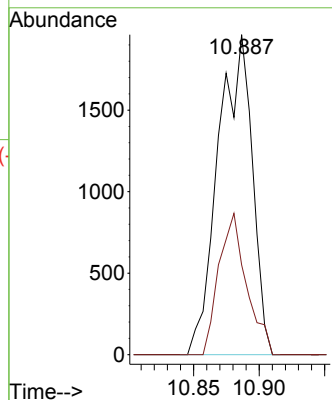
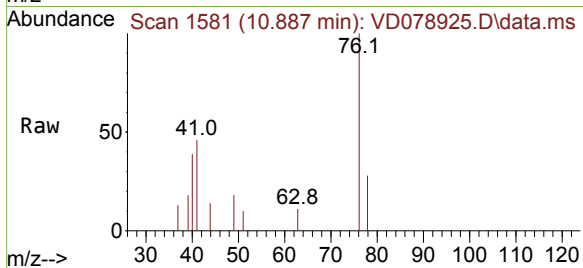
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 76 Resp: 3542

Ion Ratio Lower Upper

76 100

78 35.9 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 10.288 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078925.D

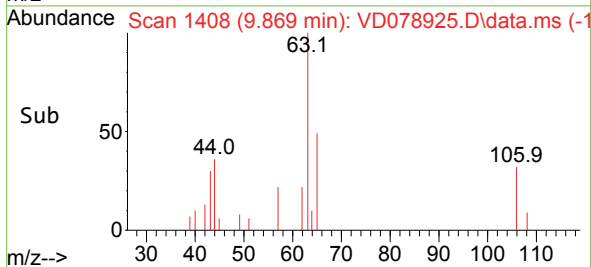
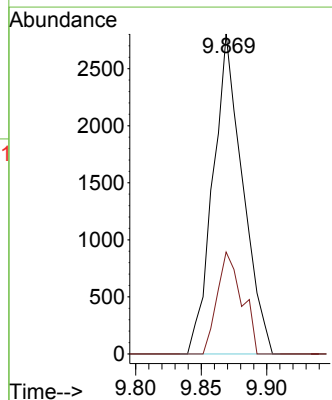
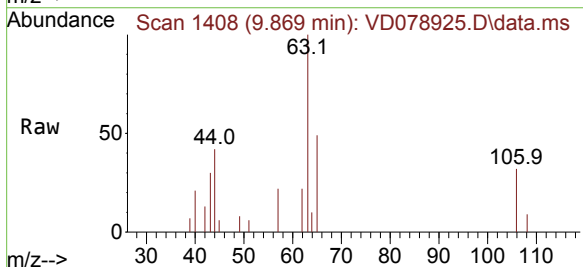
Acq: 15 May 2024 11:41

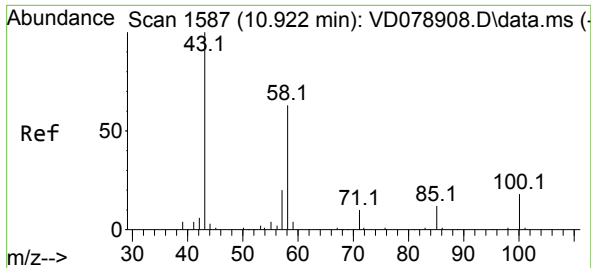
Tgt Ion: 63 Resp: 4412

Ion Ratio Lower Upper

63 100

106 26.6 26.4 39.6

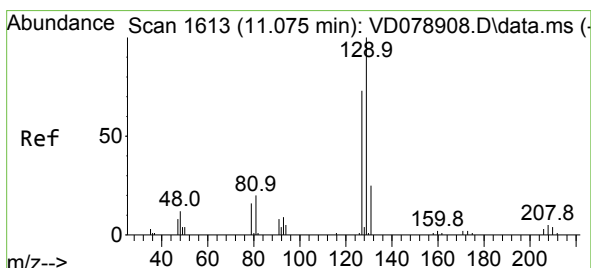
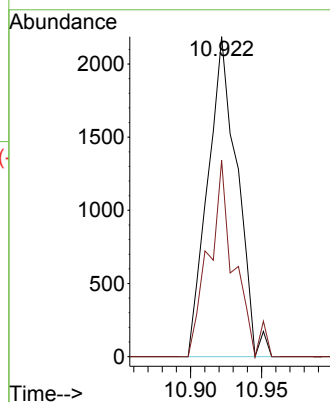
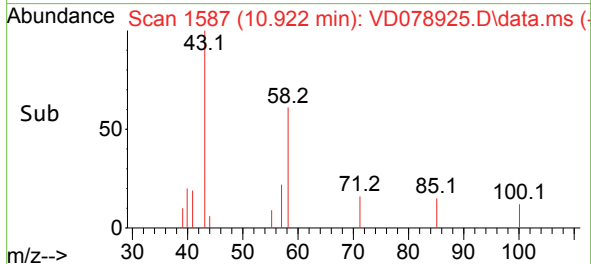
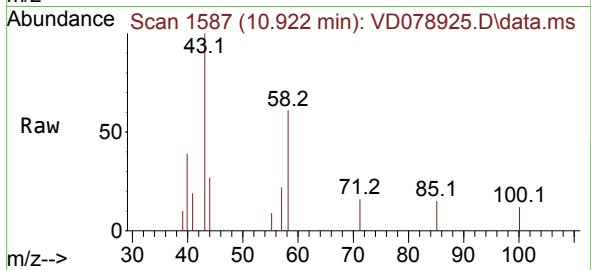




#59
2-Hexanone
Concen: 8.752 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

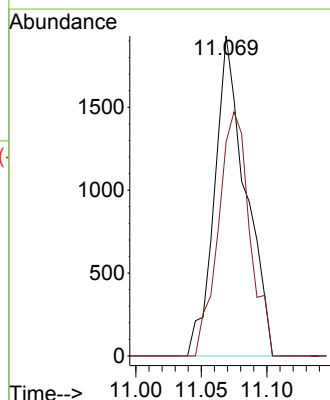
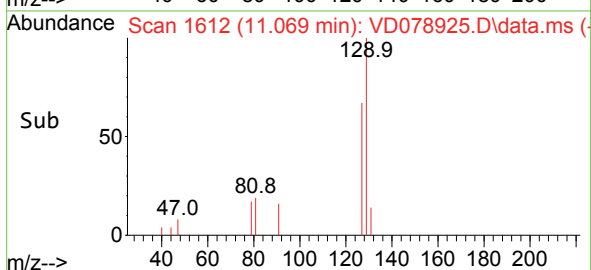
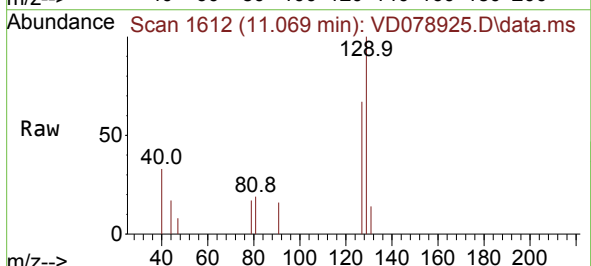
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

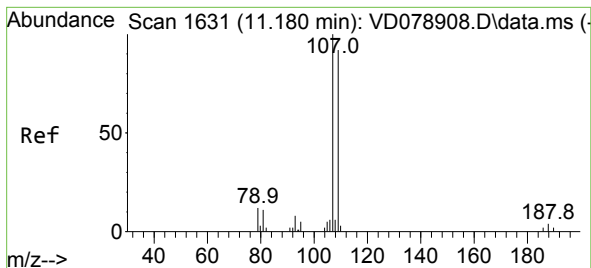
Tgt Ion: 43 Resp: 3149
Ion Ratio Lower Upper
43 100
58 53.5 31.1 93.5



#60
Dibromochloromethane
Concen: 2.394 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 129 Resp: 3166
Ion Ratio Lower Upper
129 100
127 77.6 38.0 113.9

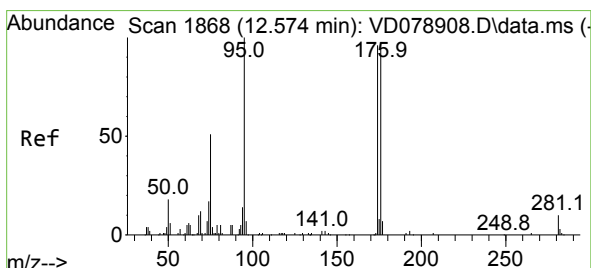
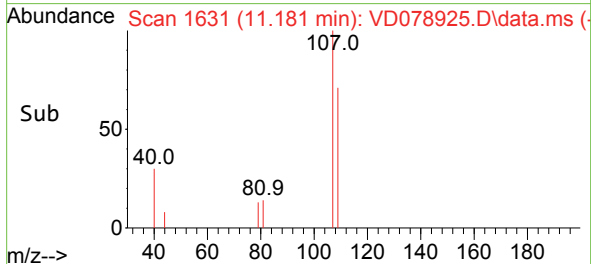
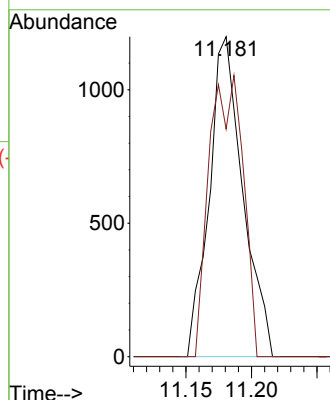
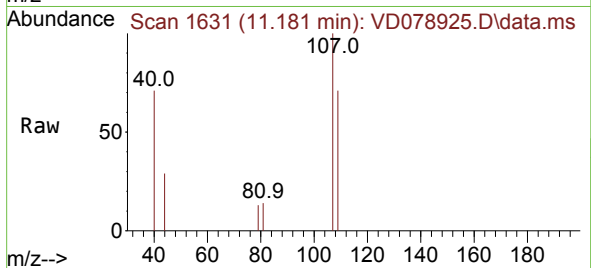




#61
1,2-Dibromoethane
Concen: 2.415 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

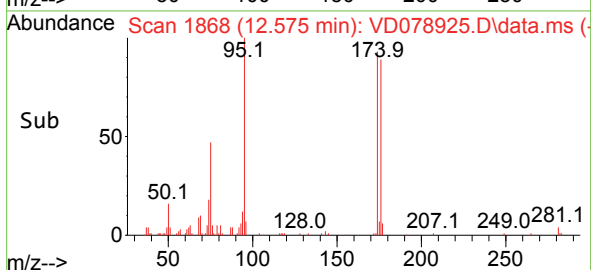
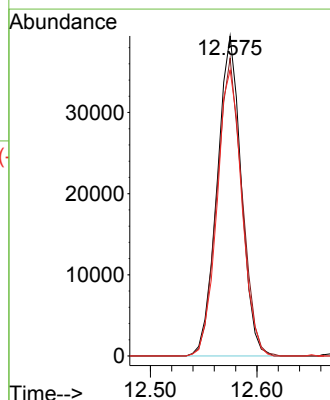
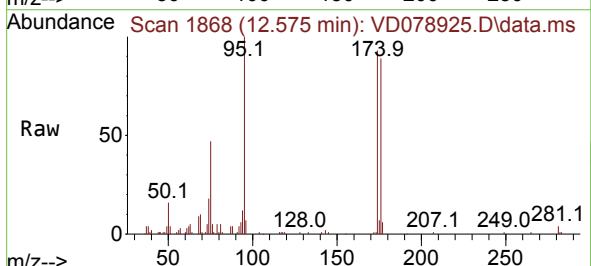
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

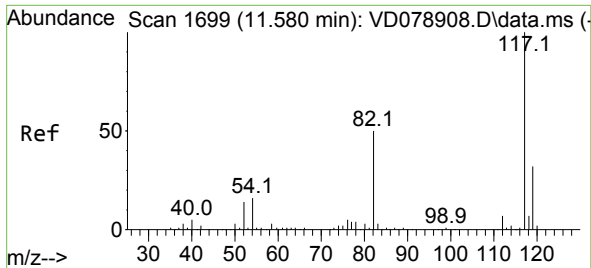
Tgt Ion:107 Resp: 2136
Ion Ratio Lower Upper
107 100
109 88.9 72.0 108.0



#62
4-Bromofluorobenzene
Concen: 45.503 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 95 Resp: 61803
Ion Ratio Lower Upper
95 100
174 96.1 0.0 195.4
176 91.9 0.0 192.6

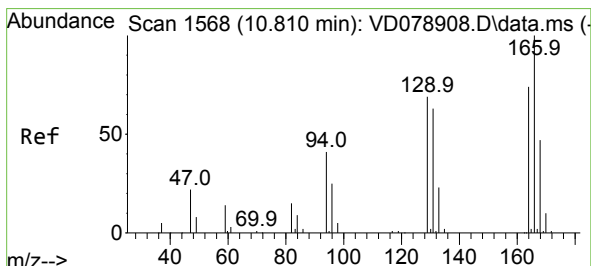
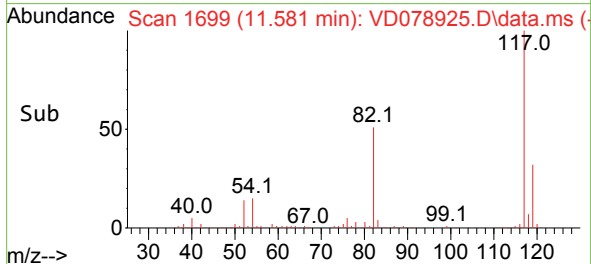
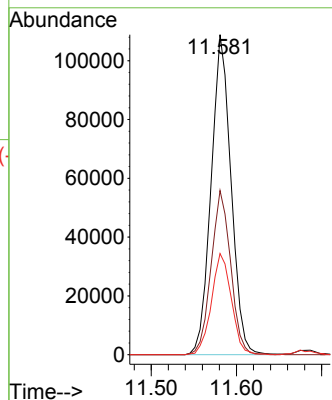
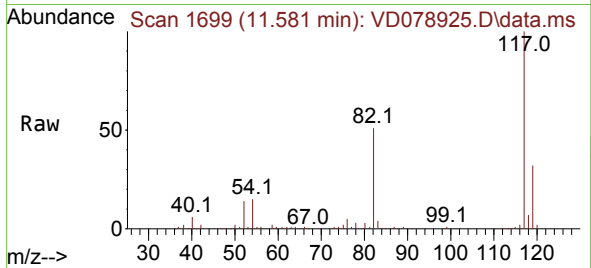




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

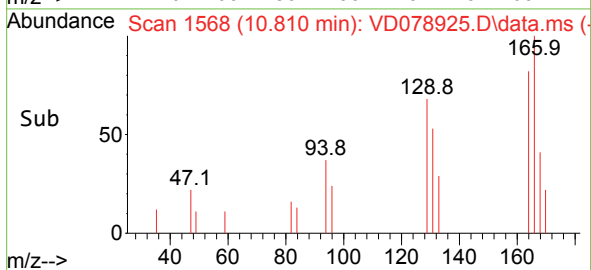
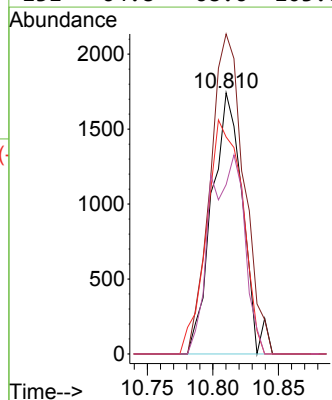
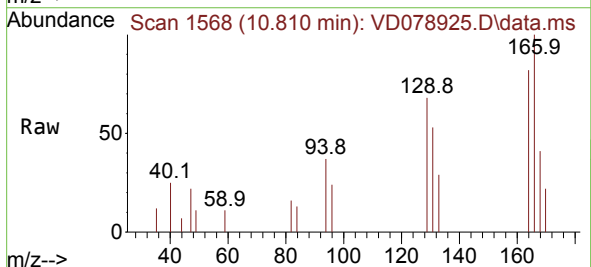
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

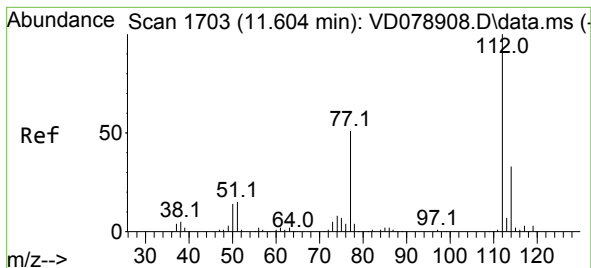
Tgt Ion:117 Resp: 176688
Ion Ratio Lower Upper
117 100
82 51.3 39.8 59.6
119 31.6 25.7 38.5



#64
Tetrachloroethene
Concen: 2.532 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion:164 Resp: 2838
Ion Ratio Lower Upper
164 100
166 122.6 108.6 163.0
129 83.1 74.6 112.0
131 64.8 68.6 103.0#

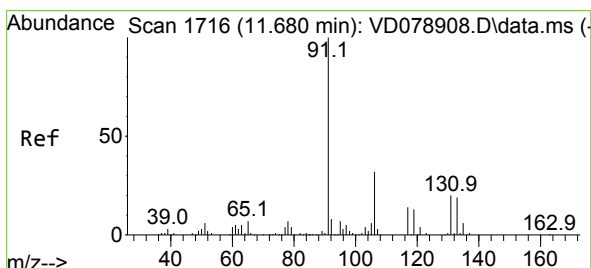
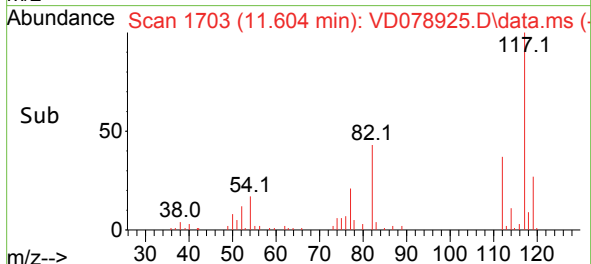
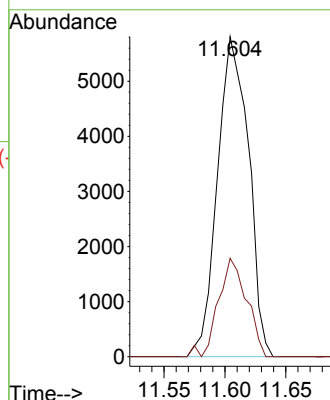
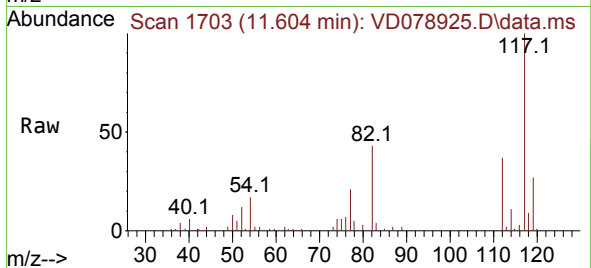




#65
Chlorobenzene
Concen: 2.806 ug/l
RT: 11.604 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

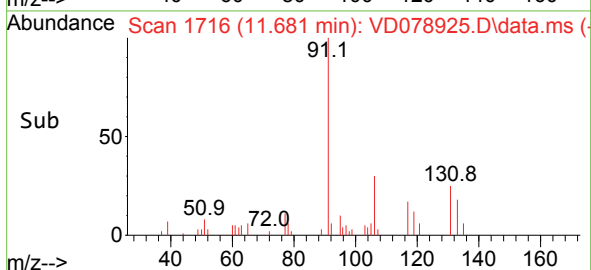
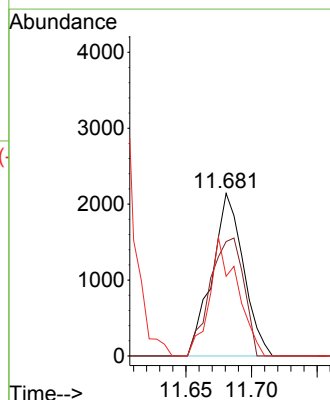
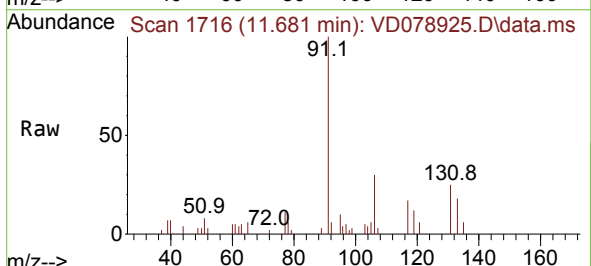
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

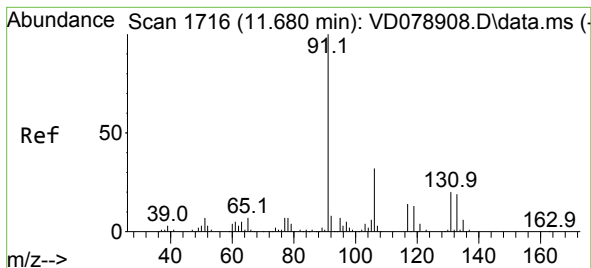
Tgt Ion:112 Resp: 10312
Ion Ratio Lower Upper
112 100
114 30.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 2.804 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion:131 Resp: 3562
Ion Ratio Lower Upper
131 100
133 78.0 49.2 147.6
119 64.5 33.4 100.2





#67

Ethyl Benzene

Concen: 2.321 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

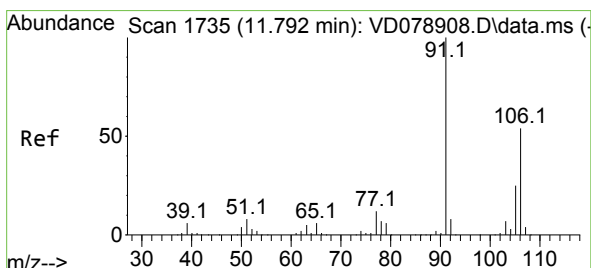
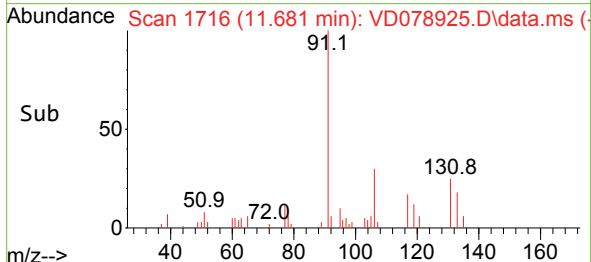
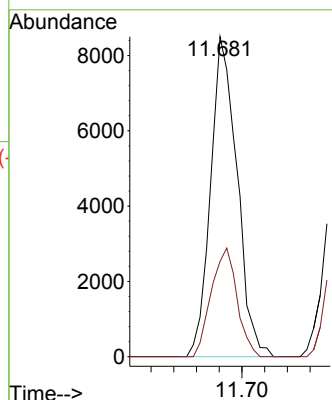
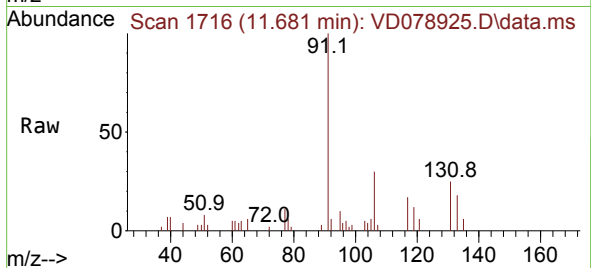
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 91 Resp: 13721

Ion Ratio Lower Upper

91 100

106 29.8 25.8 38.6



#68

m/p-Xylenes

Concen: 4.286 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD078925.D

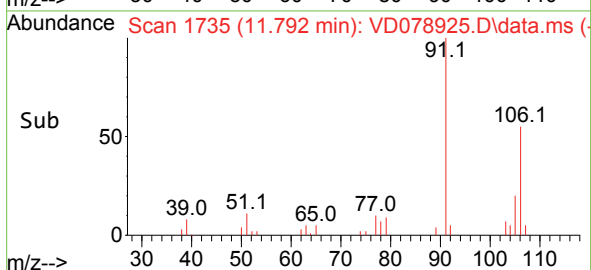
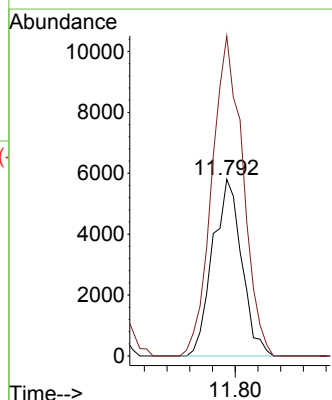
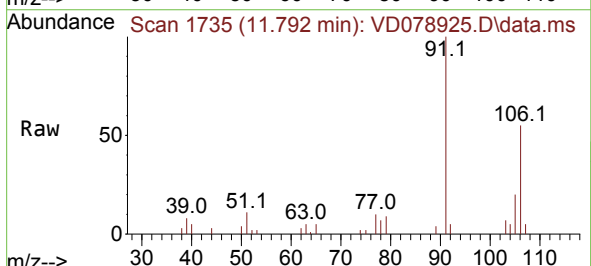
Acq: 15 May 2024 11:41

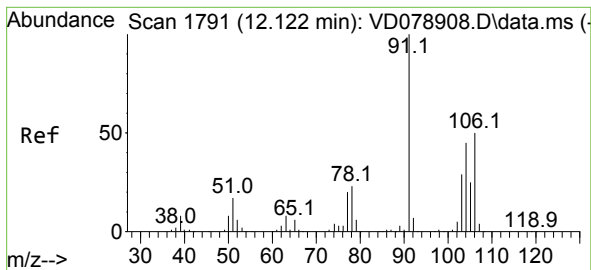
Tgt Ion:106 Resp: 10300

Ion Ratio Lower Upper

106 100

91 193.0 148.5 222.7





#69

o-Xylene

Concen: 2.190 ug/l

RT: 12.116 min Scan# 1790

Delta R.T. -0.006 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

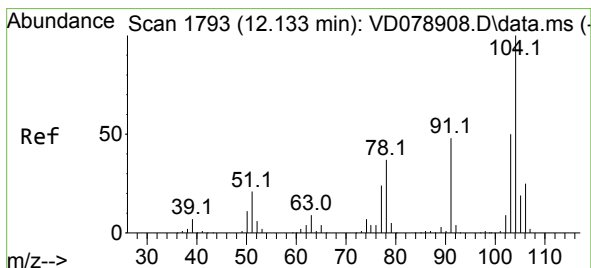
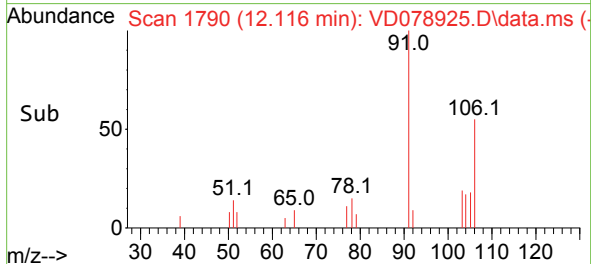
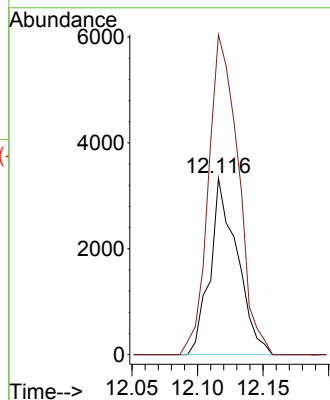
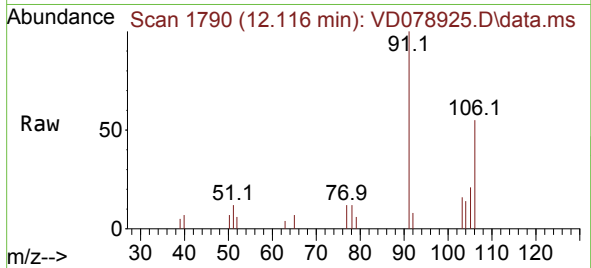
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:106 Resp: 4799

Ion Ratio Lower Upper

106 100

91 199.3 96.7 290.1



#70

Styrene

Concen: 2.022 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

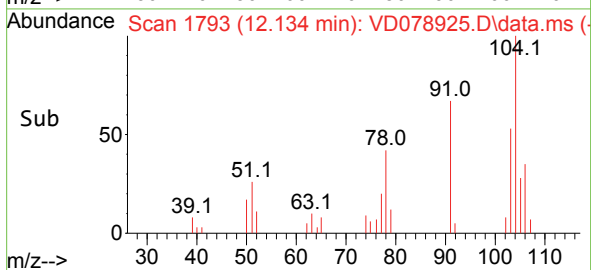
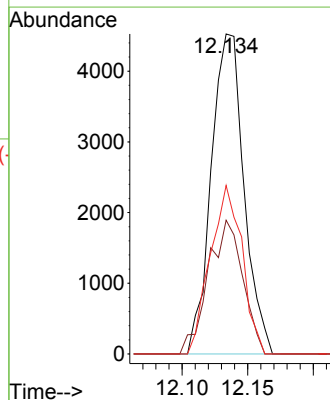
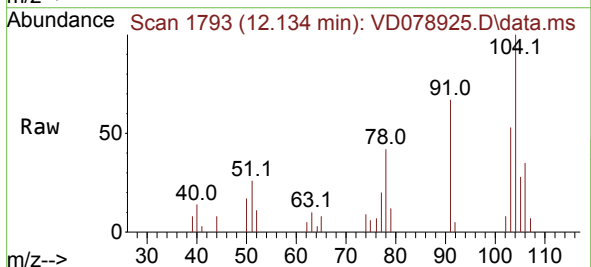
Tgt Ion:104 Resp: 7852

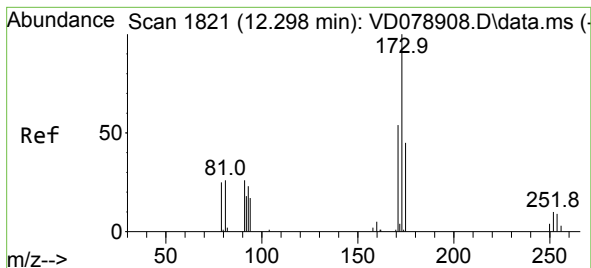
Ion Ratio Lower Upper

104 100

78 44.2 33.0 49.6

103 51.2 44.2 66.4





#71

Bromoform

Concen: 2.595 ug/l

RT: 12.304 min Scan# 1821

Delta R.T. 0.006 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

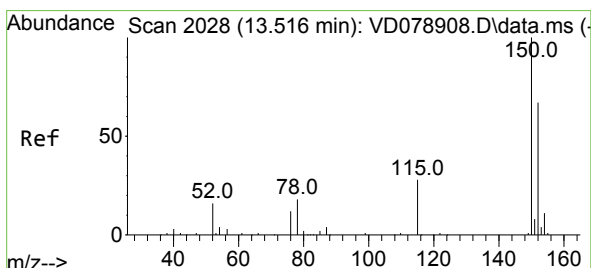
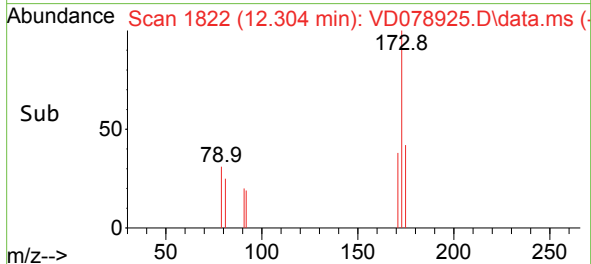
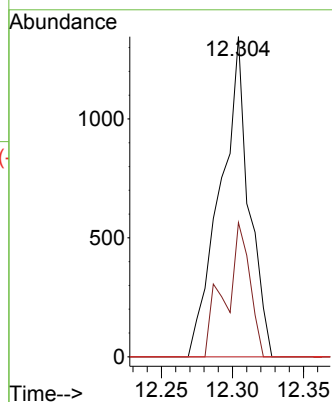
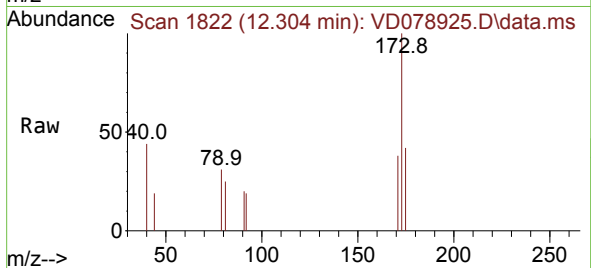
Tgt Ion:173 Resp: 1889

Ion Ratio Lower Upper

173 100

175 35.7 23.7 71.1

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

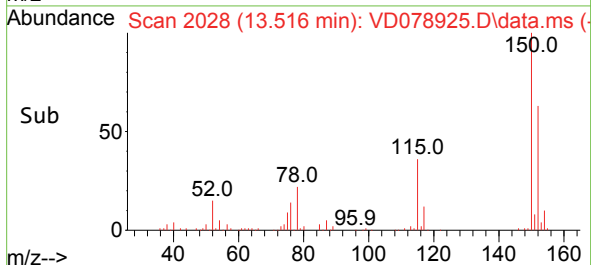
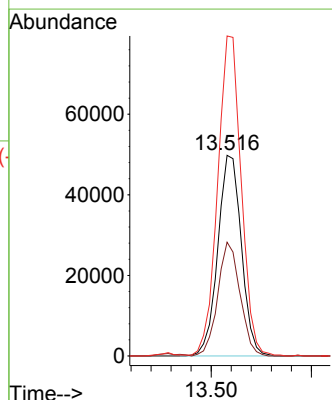
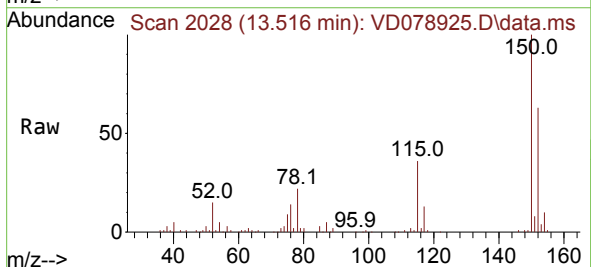
Tgt Ion:152 Resp: 81168

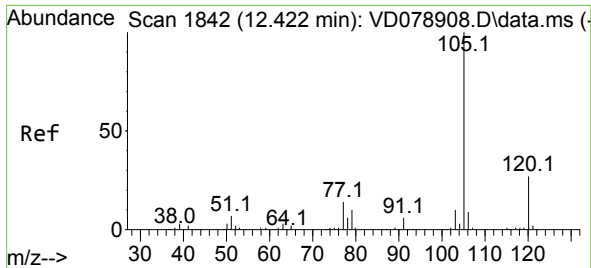
Ion Ratio Lower Upper

152 100

115 53.6 26.5 79.5

150 159.6 0.0 341.6

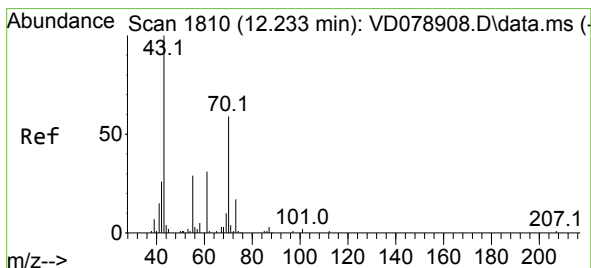
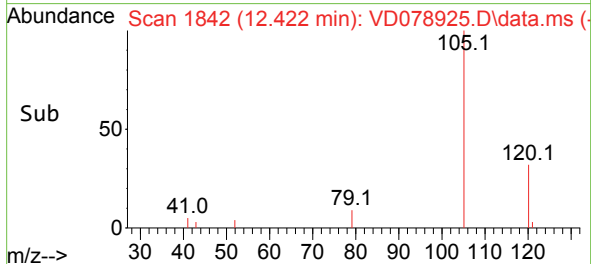
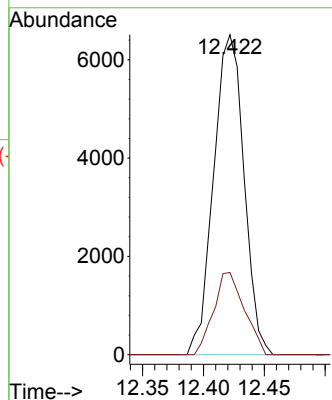
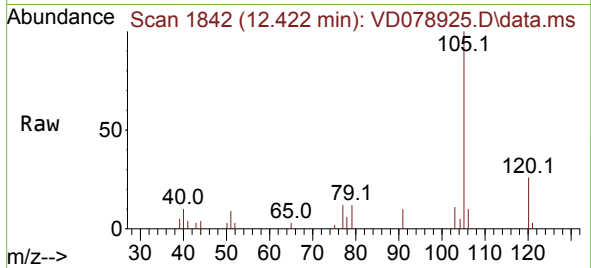




#73
Isopropylbenzene
Concen: 2.331 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

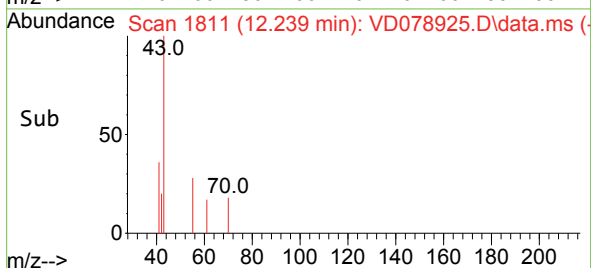
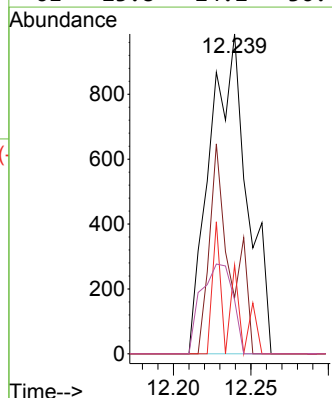
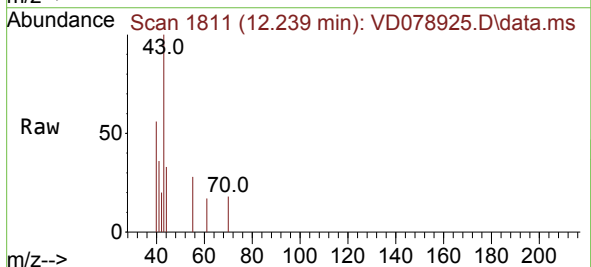
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

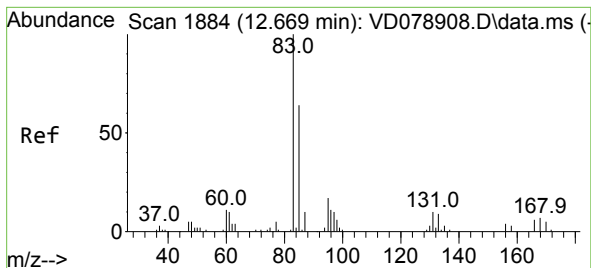
Tgt Ion:105 Resp: 11291
Ion Ratio Lower Upper
105 100
120 26.0 13.6 40.7



#74
N-ethyl acetate
Concen: 2.107 ug/l
RT: 12.239 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 43 Resp: 1656
Ion Ratio Lower Upper
43 100
70 37.2 44.3 66.5#
55 17.9 23.2 34.8#
61 23.8 24.2 36.4#





#75

1,1,2,2-Tetrachloroethane

Concen: 2.466 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

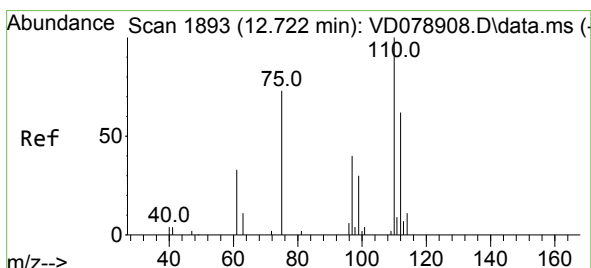
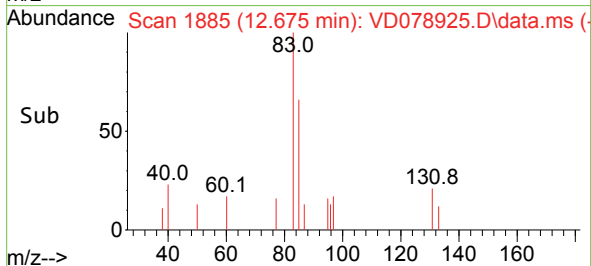
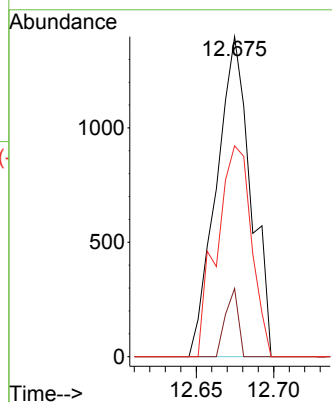
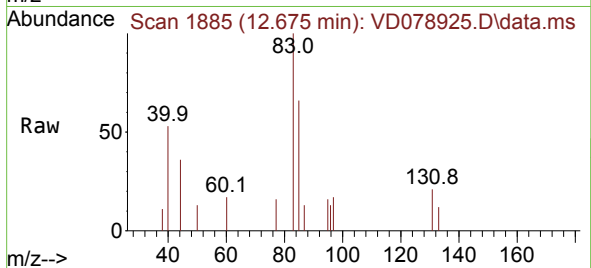
Tgt Ion: 83 Resp: 2155

Ion Ratio Lower Upper

83 100

131 7.9 5.5 16.5

85 66.5 33.8 101.3



#76

1,2,3-Trichloropropane

Concen: 4.718 ug/l

RT: 12.716 min Scan# 1892

Delta R.T. -0.006 min

Lab File: VD078925.D

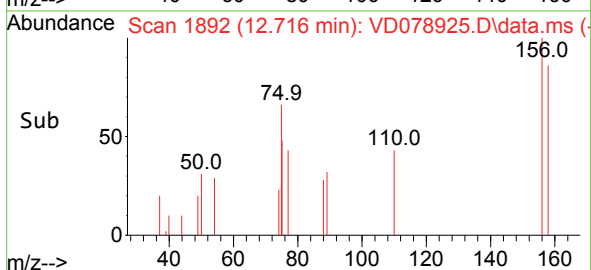
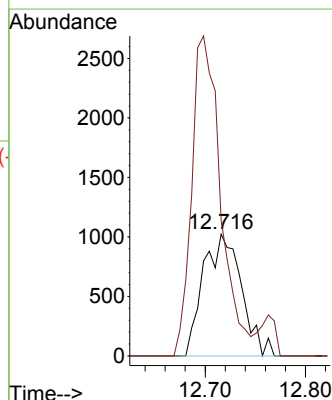
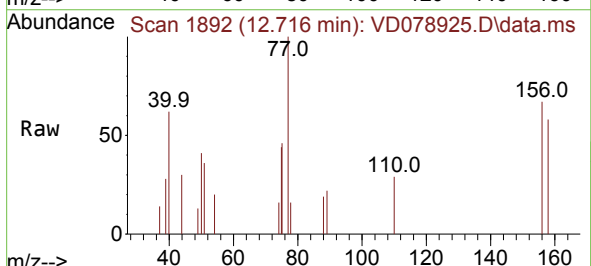
Acq: 15 May 2024 11:41

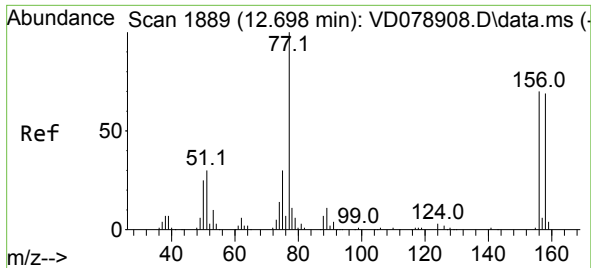
Tgt Ion: 75 Resp: 2696

Ion Ratio Lower Upper

75 100

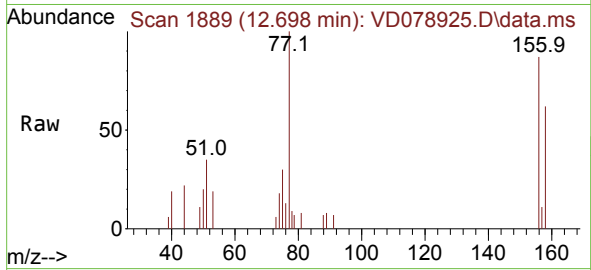
77 199.6 0.0 0.0#



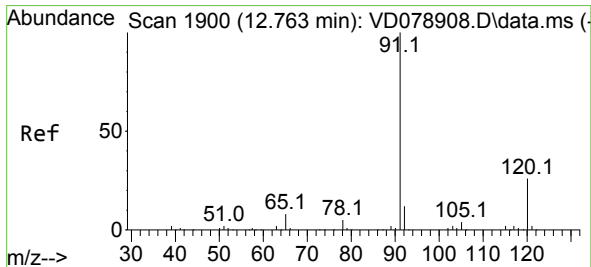
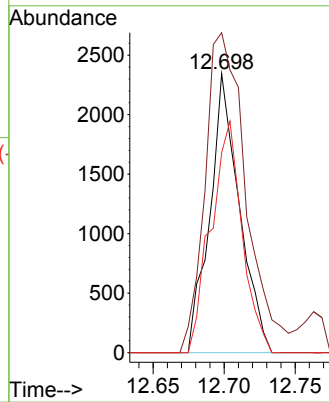
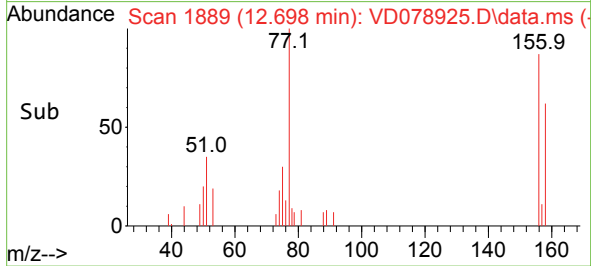


#77
Bromobenzene
Concen: 2.670 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

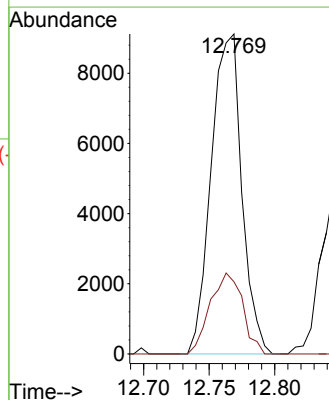
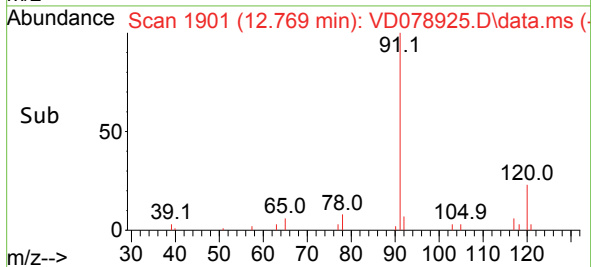
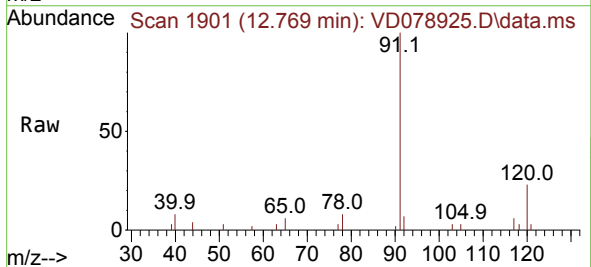


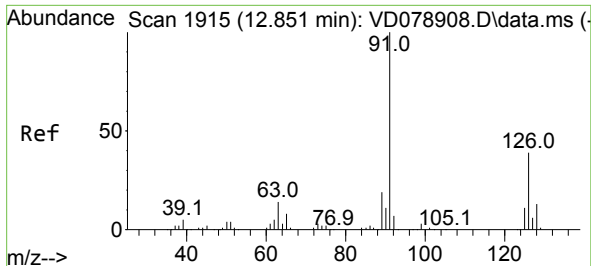
Tgt Ion:156 Resp: 3402
Ion Ratio Lower Upper
156 100
77 158.1 77.3 231.9
158 87.4 49.6 149.0



#78
n-propylbenzene
Concen: 2.528 ug/l
RT: 12.769 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 91 Resp: 14804
Ion Ratio Lower Upper
91 100
120 26.8 12.3 36.8

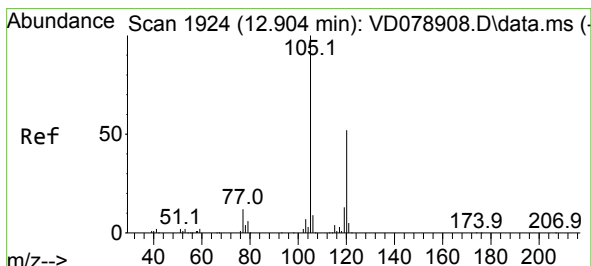
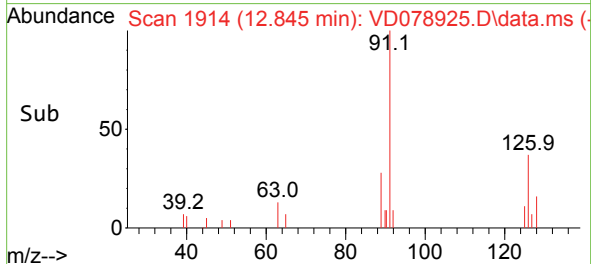
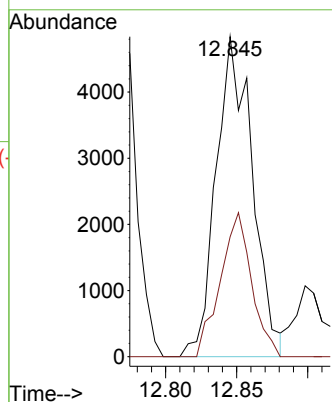
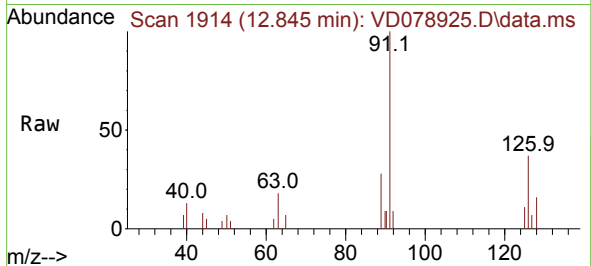




#79
2-Chlorotoluene
Concen: 2.637 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

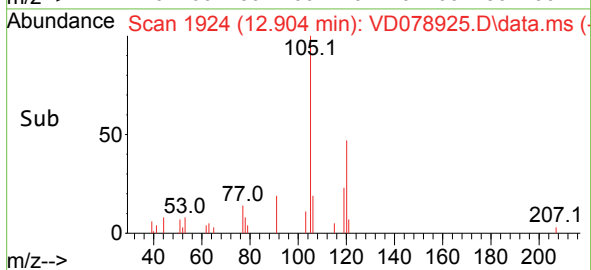
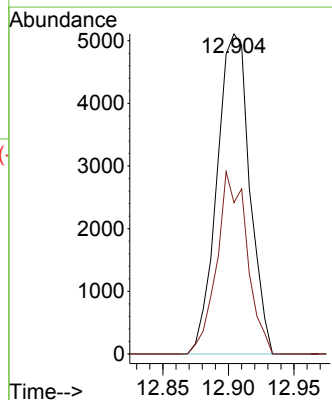
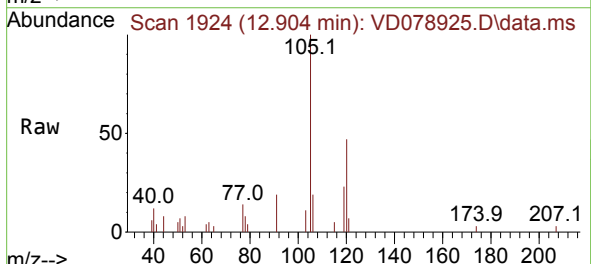
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

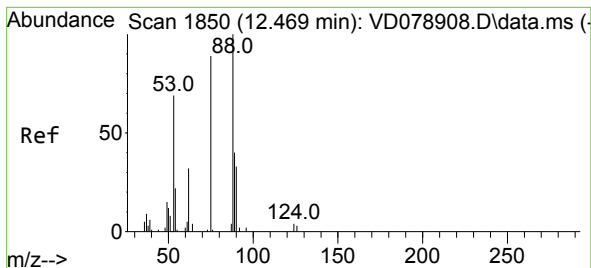
Tgt Ion: 91 Resp: 8582
Ion Ratio Lower Upper
91 100
126 38.8 19.3 57.8



#80
1,3,5-Trimethylbenzene
Concen: 2.203 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion: 105 Resp: 8867
Ion Ratio Lower Upper
105 100
120 52.4 25.7 77.1





#81

trans-1,4-Dichloro-2-butene

Concen: 106.851 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.106 min

Lab File: VD078925.D

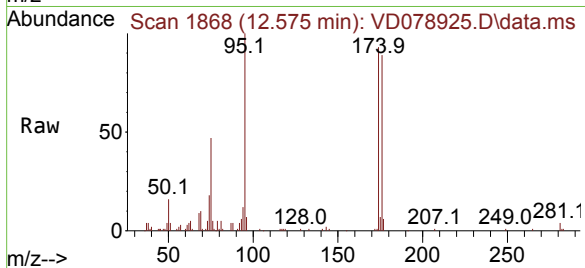
Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



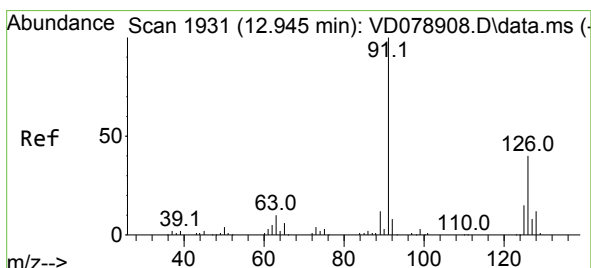
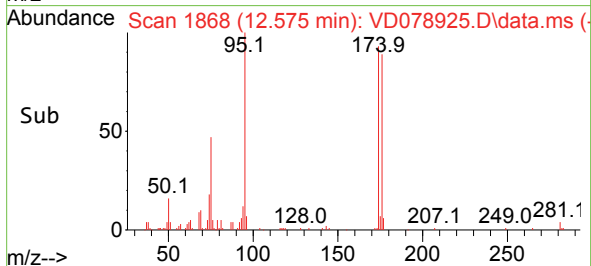
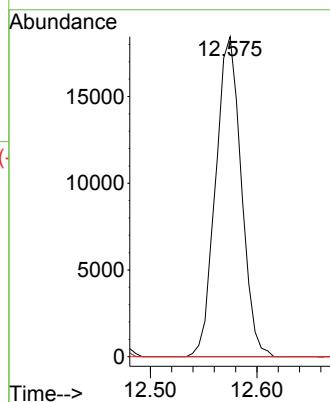
Tgt Ion: 75 Resp: 30790

Ion Ratio Lower Upper

75 100

53 0.0 61.4 92.2#

89 0.0 35.4 53.0#



#82

4-Chlorotoluene

Concen: 2.569 ug/l

RT: 12.951 min Scan# 1932

Delta R.T. 0.006 min

Lab File: VD078925.D

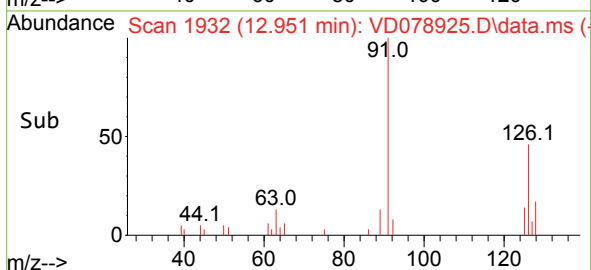
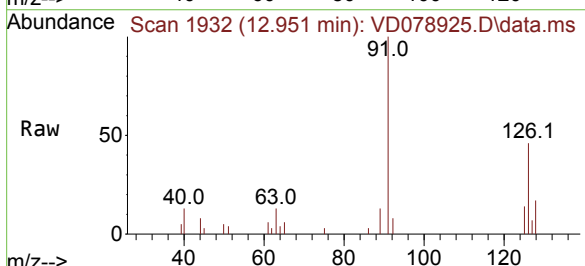
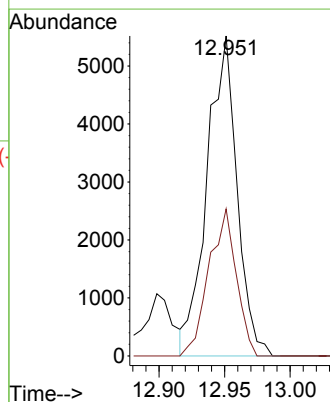
Acq: 15 May 2024 11:41

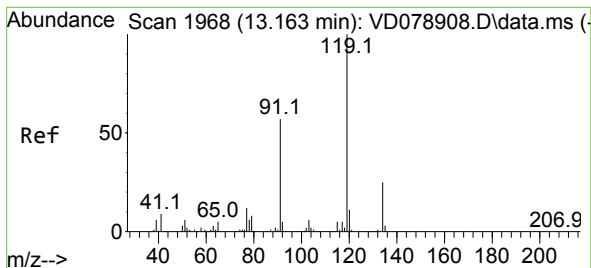
Tgt Ion: 91 Resp: 8770

Ion Ratio Lower Upper

91 100

126 42.1 18.9 56.9





#83

tert-Butylbenzene

Concen: 2.506 ug/l

RT: 13.169 min Scan# 1968

Delta R.T. 0.006 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

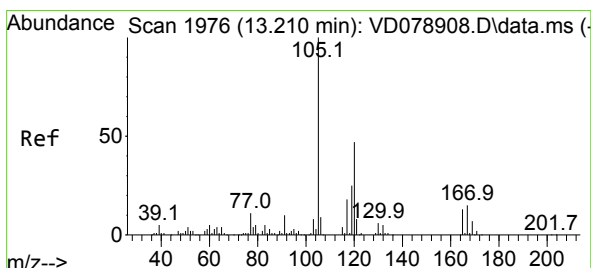
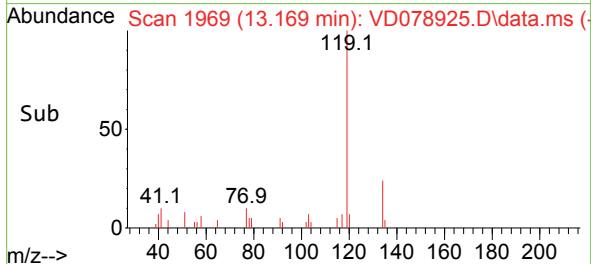
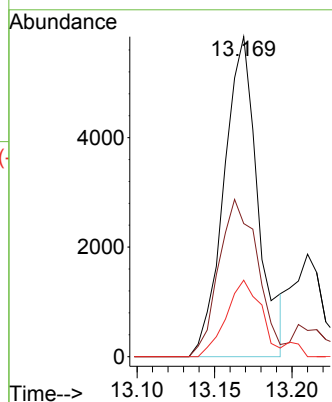
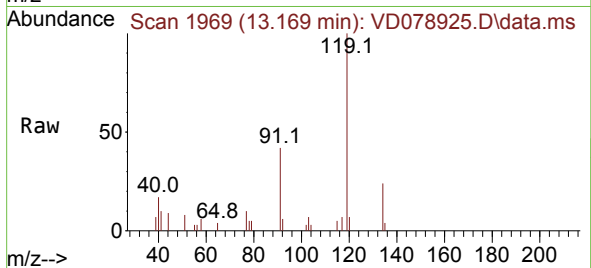
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:119	Resp:	8919
Ion Ratio	Lower	Upper
119	100	
91	56.2	28.2 84.7
134	26.6	13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 2.194 ug/l

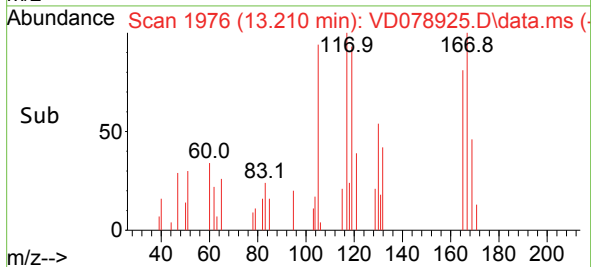
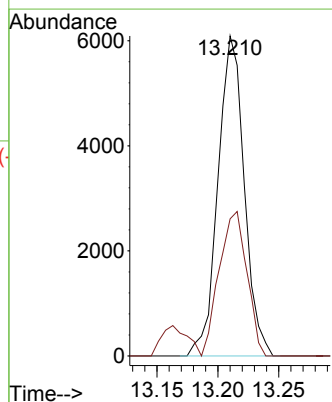
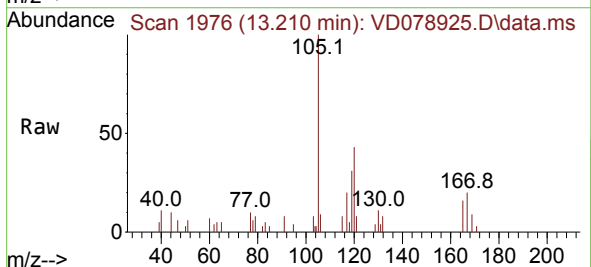
RT: 13.210 min Scan# 1976

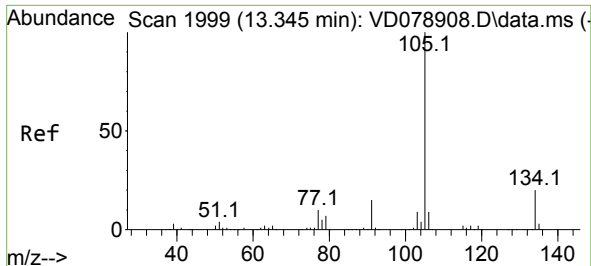
Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Tgt Ion:105	Resp:	9147
Ion Ratio	Lower	Upper
105	100	
120	47.7	23.6 71.0

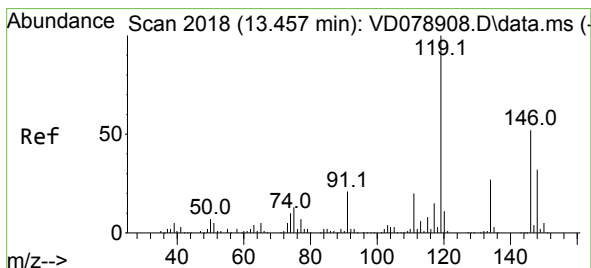
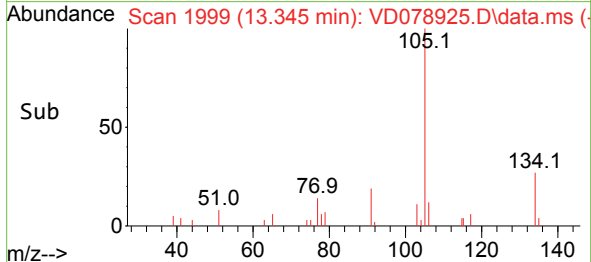
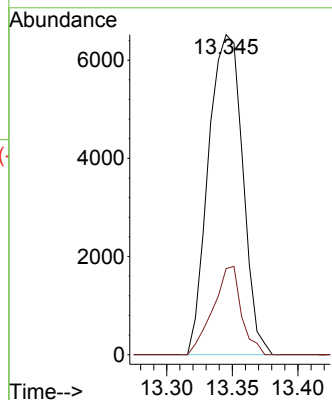
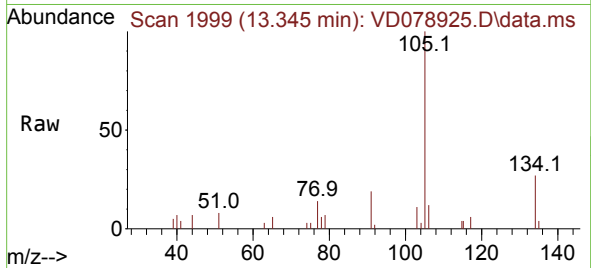




#85
 sec-Butylbenzene
 Concen: 2.231 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD078925.D
 Acq: 15 May 2024 11:41

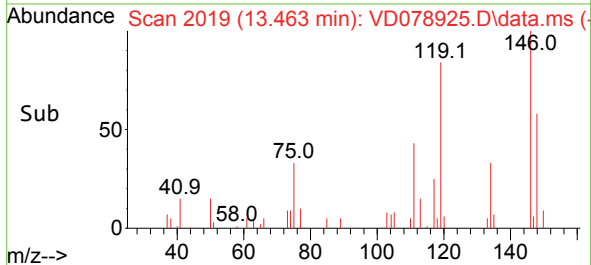
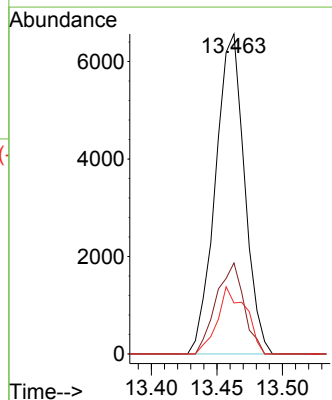
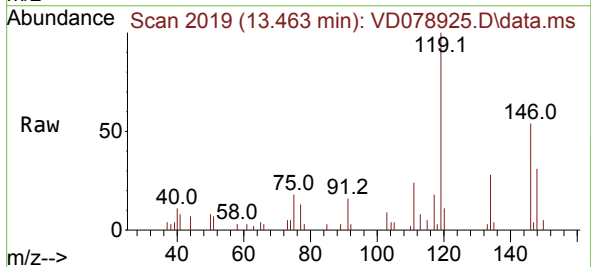
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

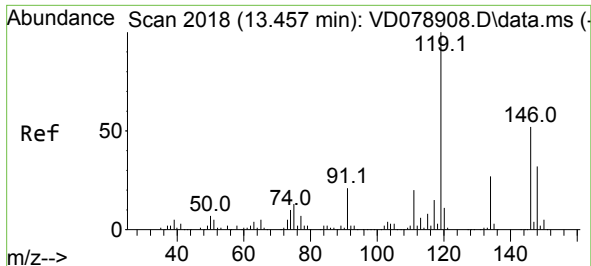
Tgt Ion:105 Resp: 11844
 Ion Ratio Lower Upper
 105 100
 134 22.8 10.3 30.8



#86
 p-Isopropyltoluene
 Concen: 2.188 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.006 min
 Lab File: VD078925.D
 Acq: 15 May 2024 11:41

Tgt Ion:119 Resp: 10124
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.7 41.1
 91 20.4 10.7 32.1

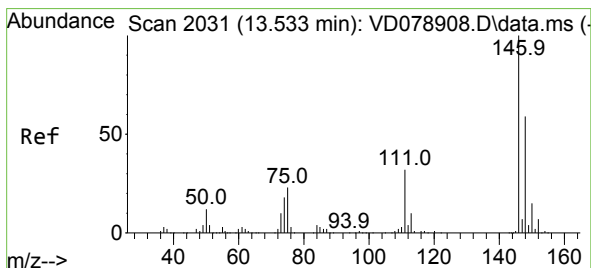
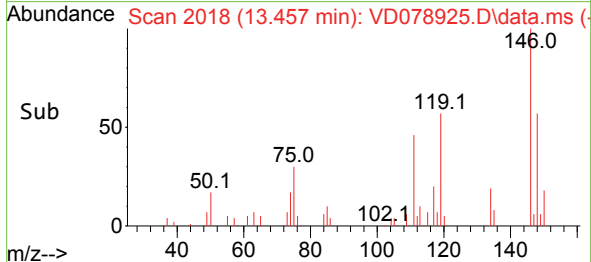
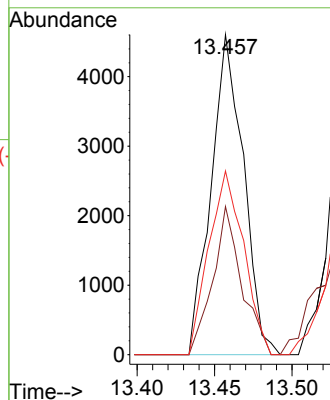
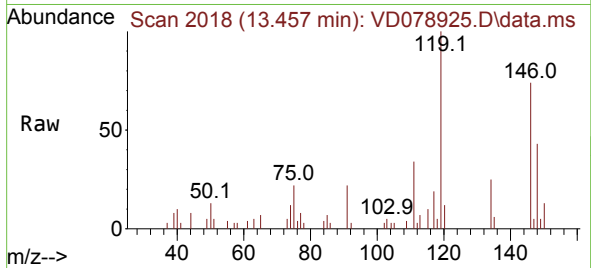




#87
1,3-Dichlorobenzene
Concen: 2.479 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

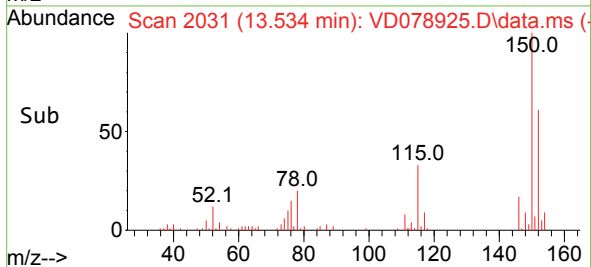
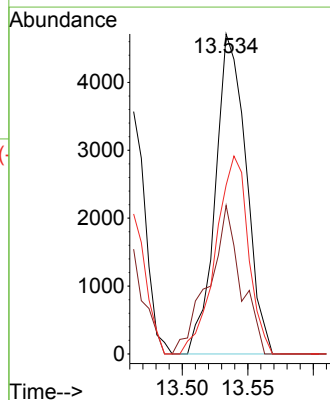
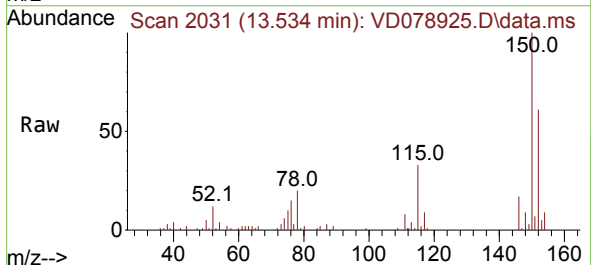
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

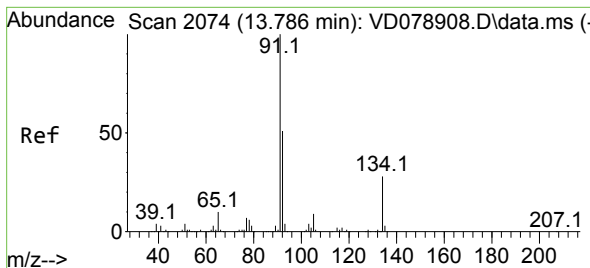
Tgt Ion:146 Resp: 6684
Ion Ratio Lower Upper
146 100
111 41.4 18.5 55.5
148 61.8 30.9 92.8



#88
1,4-Dichlorobenzene
Concen: 2.902 ug/l
RT: 13.534 min Scan# 2031
Delta R.T. 0.000 min
Lab File: VD078925.D
Acq: 15 May 2024 11:41

Tgt Ion:146 Resp: 7662
Ion Ratio Lower Upper
146 100
111 48.8 17.5 52.6
148 66.1 31.4 94.2





#89

n-Butylbenzene

Concen: 2.387 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

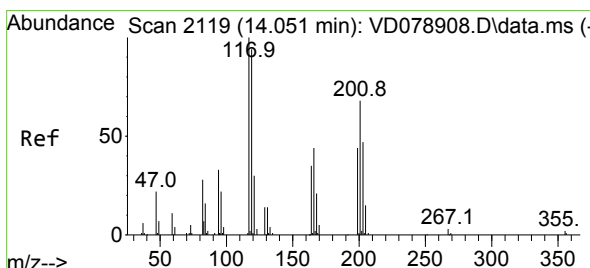
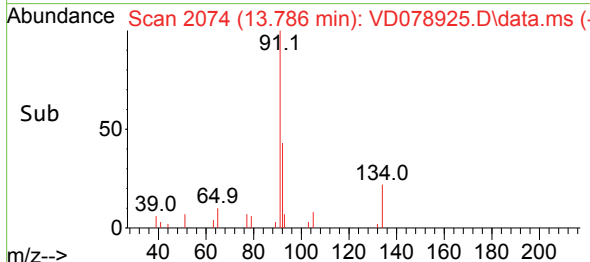
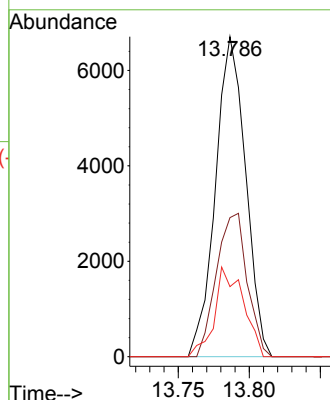
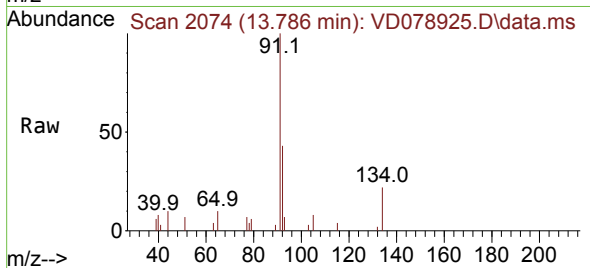
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 91	Resp: 9897
Ion Ratio	Lower Upper
91	100
92	45.7 25.7 77.0
134	26.8 13.6 40.8



#90

Hexachloroethane

Concen: 2.905 ug/l

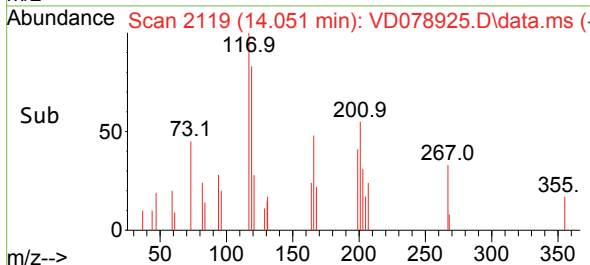
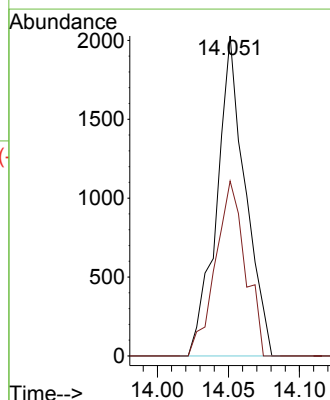
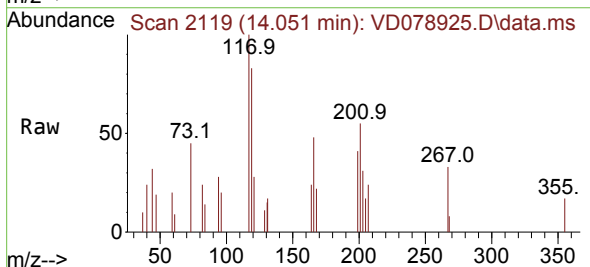
RT: 14.051 min Scan# 2119

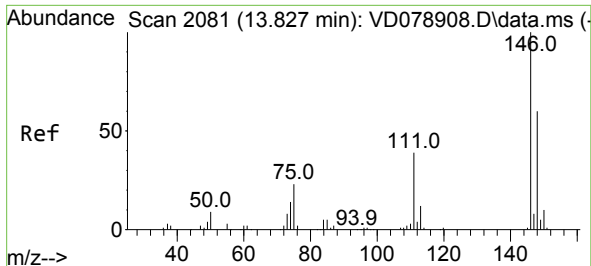
Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Tgt Ion: 117	Resp: 2835
Ion Ratio	Lower Upper
117	100
201	57.0 36.3 108.9





#91

1,2-Dichlorobenzene

Concen: 2.504 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VD078925.D

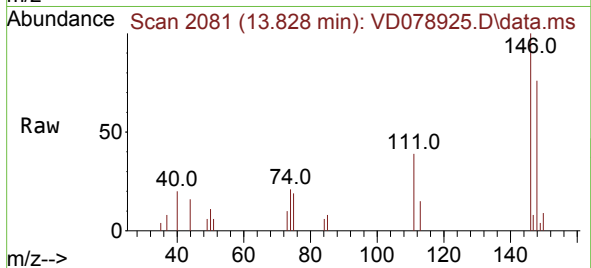
Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



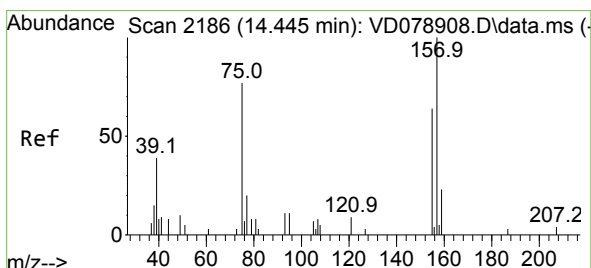
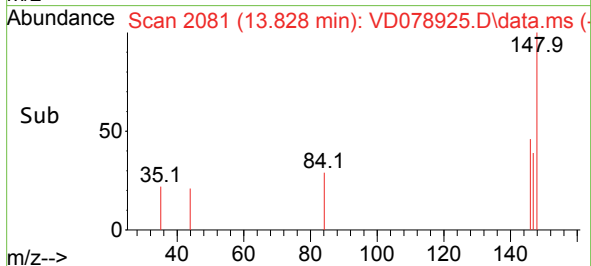
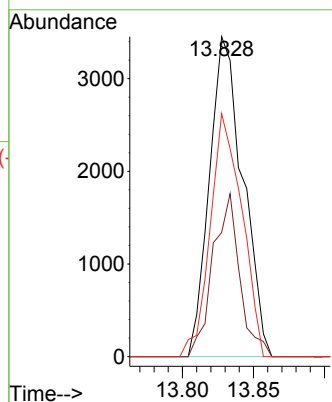
Tgt Ion:146 Resp: 5648

Ion Ratio Lower Upper

146 100

111 40.9 19.1 57.1

148 71.8 31.1 93.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.699 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

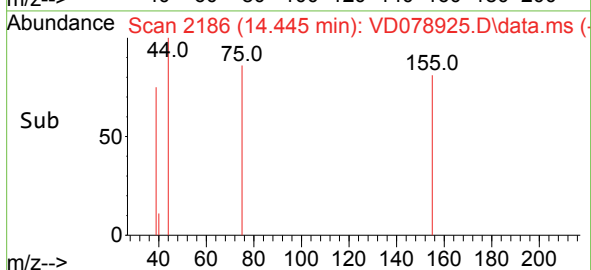
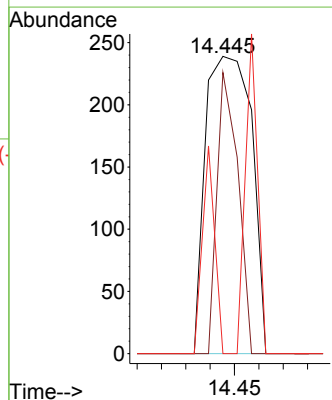
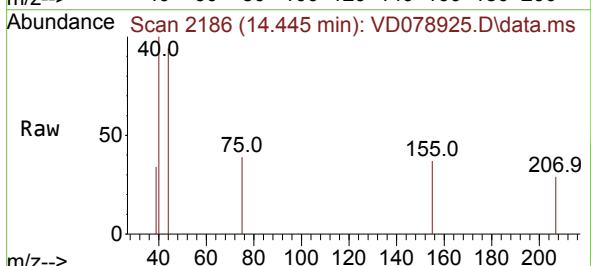
Tgt Ion: 75 Resp: 314

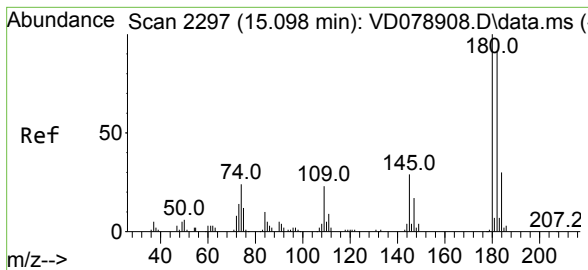
Ion Ratio Lower Upper

75 100

155 43.0 47.7 143.1#

157 18.8 63.4 190.2#





#93

1,2,4-Trichlorobenzene

Concen: 2.391 ug/l

RT: 15.098 min Scan# 2297

Delta R.T. 0.000 min

Lab File: VD078925.D

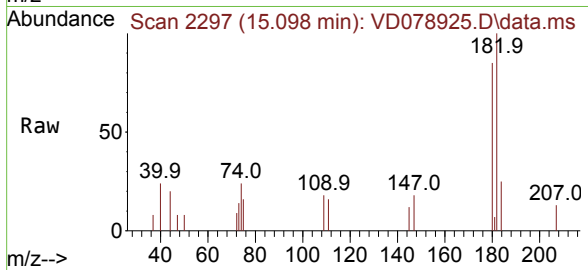
Acq: 15 May 2024 11:41

Instrument :

MSVOA_D

ClientSampleId :

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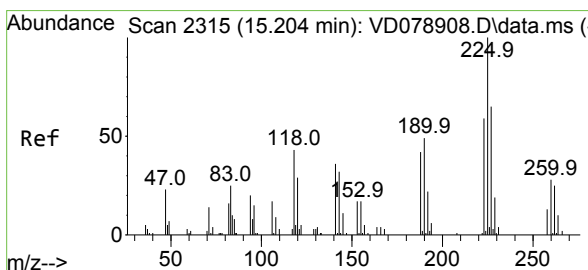
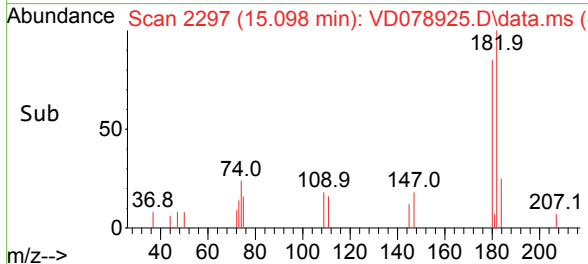
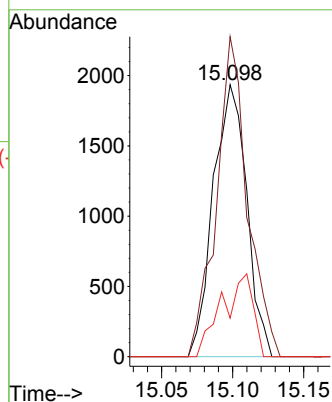
Tgt Ion:180 Resp: 3166

Ion Ratio Lower Upper

180 100

182 108.9 46.9 140.7

145 28.7 14.0 41.9



#94

Hexachlorobutadiene

Concen: 2.910 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

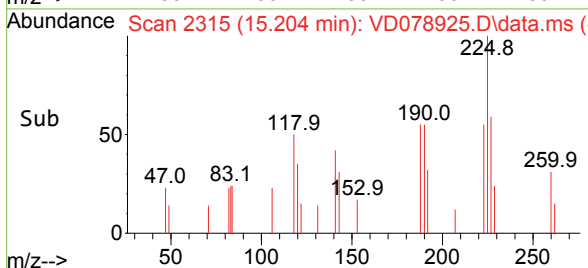
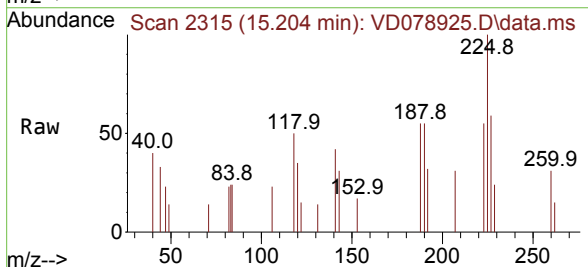
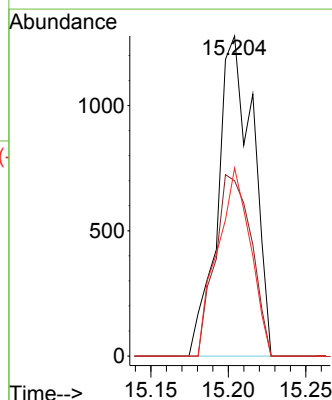
Tgt Ion:225 Resp: 2014

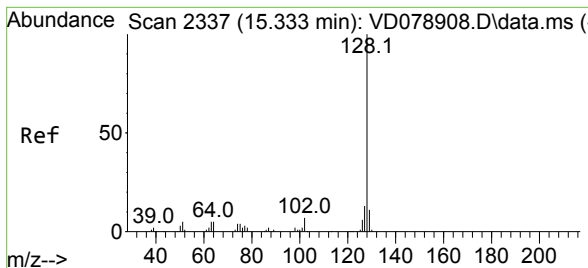
Ion Ratio Lower Upper

225 100

223 58.3 33.3 99.9

227 55.2 33.6 100.6





#95

Naphthalene

Concen: 2.443 ug/l

RT: 15.328 min Scan# 21

Delta R.T. -0.005 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

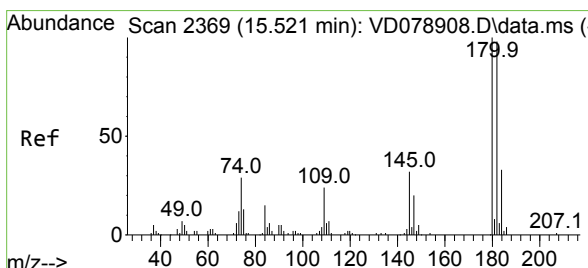
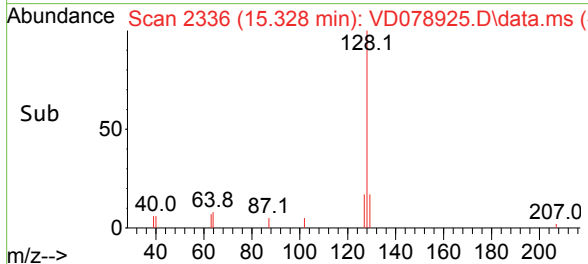
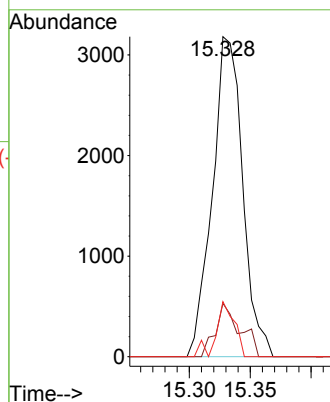
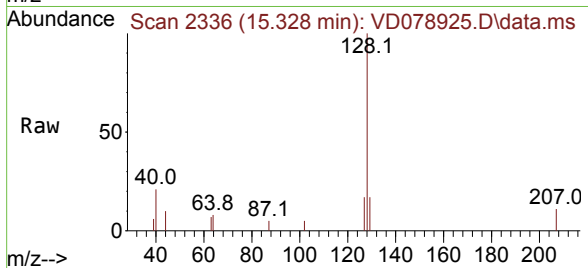
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:128	Resp:	5511
Ion Ratio	Lower	Upper
128	100	
127	16.7	10.2 15.4#
129	17.2	8.5 12.7#



#96

1,2,3-Trichlorobenzene

Concen: 2.486 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. 0.000 min

Lab File: VD078925.D

Acq: 15 May 2024 11:41

Tgt Ion:180	Resp:	2929
Ion Ratio	Lower	Upper
180	100	
182	93.0	47.8 143.3
145	31.1	16.1 48.2

