

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012324\
 Data File : VD078207.D
 Acq On : 23 Jan 2024 14:48
 Operator : RP/MD
 Sample : P1187-01 4 PPB
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

Quant Time: Jan 24 01:22:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 24 01:21:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	121749	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	230964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	210451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90168	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76057	54.722	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.440%	
35) Dibromofluoromethane	7.810	113	77090	50.715	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.440%	
50) Toluene-d8	10.269	98	299371	49.739	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.480%	
62) 4-Bromofluorobenzene	12.575	95	82305	47.153	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 94.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	5868	4.184	ug/l	76
3) Chloromethane	2.152	50	10079	4.455	ug/l	98
4) Vinyl Chloride	2.287	62	11980	4.150	ug/l	94
5) Bromomethane	2.699	94	9023	4.283	ug/l	97
6) Chloroethane	2.846	64	8676	4.302	ug/l	# 81
7) Trichlorofluoromethane	3.181	101	11335	4.316	ug/l	92
8) Diethyl Ether	3.599	74	2899	3.982	ug/l	73
9) 1,1,2-Trichlorotrifluo...	3.981	101	6843	4.499	ug/l	90
10) Methyl Iodide	4.169	142	5846	3.834	ug/l	93
11) Tert butyl alcohol	5.046	59	829	12.115	ug/l	# 93
12) 1,1-Dichloroethene	3.946	96	6255	4.152	ug/l	97
13) Acrolein	3.799	56	3480	22.155	ug/l	97
14) Allyl chloride	4.563	41	8448	4.251	ug/l	# 84
15) Acrylonitrile	5.269	53	6937	21.236	ug/l	99
16) Acetone	4.022	43	7309	17.641	ug/l	97
17) Carbon Disulfide	4.275	76	21226	4.345	ug/l	97
18) Methyl Acetate	4.575	43	5087	4.254	ug/l	# 74
19) Methyl tert-butyl Ether	5.310	73	12488	3.975	ug/l	96
20) Methylene Chloride	4.805	84	11349	5.566	ug/l	# 82
21) trans-1,2-Dichloroethene	5.328	96	7065	4.058	ug/l	89
22) Diisopropyl ether	6.222	45	17490	4.159	ug/l	# 88
23) Vinyl Acetate	6.163	43	40254	19.428	ug/l	95
24) 1,1-Dichloroethane	6.122	63	12112	4.168	ug/l	# 84
25) 2-Butanone	7.087	43	9292	18.978	ug/l	# 86
26) 2,2-Dichloropropane	7.075	77	9811	4.030	ug/l	98
27) cis-1,2-Dichloroethene	7.075	96	7548	4.036	ug/l	90
28) Bromochloromethane	7.434	49	4497	3.968	ug/l	# 72
29) Tetrahydrofuran	7.451	42	4736	20.654	ug/l	# 74
30) Chloroform	7.599	83	12589	4.260	ug/l	95
31) Cyclohexane	7.893	56	12335	4.800	ug/l	# 94
32) 1,1,1-Trichloroethane	7.793	97	5730	2.245	ug/l	# 33
36) 1,1-Dichloropropene	8.004	75	10189	4.076	ug/l	90
37) Ethyl Acetate	7.175	43	3999	4.297	ug/l	# 88
38) Carbon Tetrachloride	7.998	117	8788	3.560	ug/l	96
39) Methylcyclohexane	9.281	83	10700	3.620	ug/l	91
40) Benzene	8.251	78	28969	4.084	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	1350	2.642	ug/l #	71
42) 1,2-Dichloroethane	8.334	62	7476	4.051	ug/l	88
43) Isopropyl Acetate	8.357	43	6477	3.799	ug/l #	54
44) Trichloroethene	9.034	130	7411	4.084	ug/l	98
45) 1,2-Dichloropropane	9.310	63	6756	3.838	ug/l	92
46) Dibromomethane	9.404	93	4093	4.234	ug/l #	85
47) Bromodichloromethane	9.581	83	9563	3.938	ug/l #	96
48) Methyl methacrylate	9.387	41	3977	4.029	ug/l #	75
49) 1,4-Dioxane	9.369	88	654	69.921	ug/l #	79
51) 4-Methyl-2-Pentanone	10.163	43	15801	17.637	ug/l	87
52) Toluene	10.334	92	16274	3.619	ug/l	95
53) t-1,3-Dichloropropene	10.551	75	8584	3.832	ug/l	96
54) cis-1,3-Dichloropropene	10.022	75	10014	3.729	ug/l #	86
55) 1,1,2-Trichloroethane	10.734	97	4969	3.842	ug/l	94
56) Ethyl methacrylate	10.598	69	3922	3.704	ug/l #	84
57) 1,3-Dichloropropane	10.881	76	8549	3.865	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.875	63	11730	18.486	ug/l	90
59) 2-Hexanone	10.922	43	12357	16.974	ug/l	85
60) Dibromochloromethane	11.075	129	5753	3.772	ug/l	86
61) 1,2-Dibromoethane	11.181	107	4644	3.895	ug/l	100
64) Tetrachloroethene	10.810	164	5639	4.098	ug/l	95
65) Chlorobenzene	11.604	112	17970	3.865	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.681	131	6311	3.799	ug/l	99
67) Ethyl Benzene	11.687	91	29695	3.510	ug/l	100
68) m/p-Xylenes	11.798	106	22633	7.005	ug/l	90
69) o-Xylene	12.122	106	9939	3.389	ug/l	86
70) Styrene	12.134	104	14389	3.275	ug/l #	90
71) Bromoform	12.298	173	2572	3.126	ug/l #	87
73) Isopropylbenzene	12.422	105	26501	3.738	ug/l	92
74) N-amyl acetate	12.234	43	5914	4.360	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.675	83	6011	4.557	ug/l	96
76) 1,2,3-Trichloropropane	12.722	75	6964	8.052	ug/l #	100
77) Bromobenzene	12.698	156	6560	4.220	ug/l	83
78) n-propylbenzene	12.763	91	33861	3.851	ug/l	93
79) 2-Chlorotoluene	12.851	91	19547	4.166	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	22209	3.778	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.463	75	2002	4.986	ug/l #	93
82) 4-Chlorotoluene	12.945	91	19638	3.970	ug/l	97
83) tert-Butylbenzene	13.163	119	17286	3.518	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	21245	3.573	ug/l	93
85) sec-Butylbenzene	13.345	105	26654	3.582	ug/l	98
86) p-Isopropyltoluene	13.457	119	21905	3.383	ug/l	94
87) 1,3-Dichlorobenzene	13.457	146	12187	3.787	ug/l	94
88) 1,4-Dichlorobenzene	13.539	146	13191	4.149	ug/l	89
89) n-Butylbenzene	13.786	91	22684	3.599	ug/l	97
90) Hexachloroethane	14.051	117	5407	4.257	ug/l	77
91) 1,2-Dichlorobenzene	13.828	146	10960	4.050	ug/l	93
92) 1,2-Dibromo-3-Chloropr...	14.439	75	1048	5.559	ug/l #	59
93) 1,2,4-Trichlorobenzene	15.092	180	5850	3.497	ug/l	89
94) Hexachlorobutadiene	15.198	225	3297	4.079	ug/l	98
95) Naphthalene	15.333	128	10881	3.479	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.522	180	5458	3.889	ug/l	98

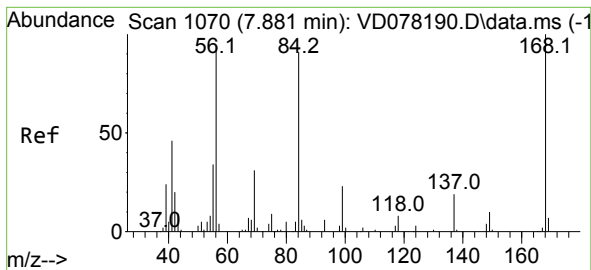
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Quant Title : SW846 8260
QLast Update : Wed Jan 24 01:21:11 2024
Response via : Initial Calibration

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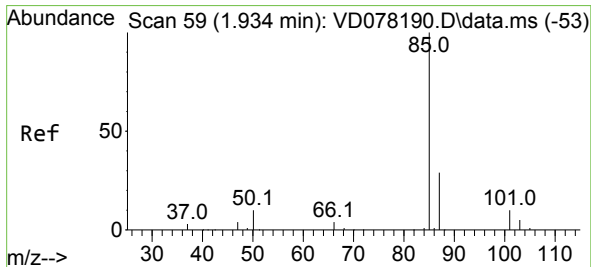
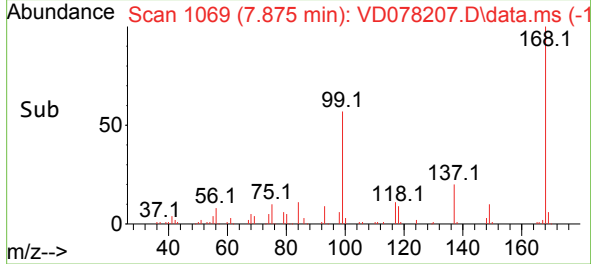
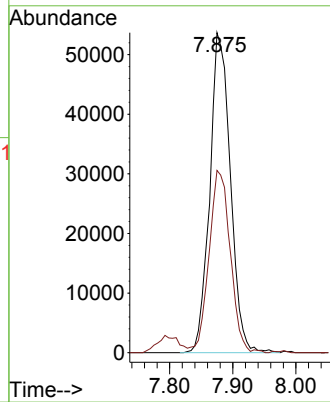
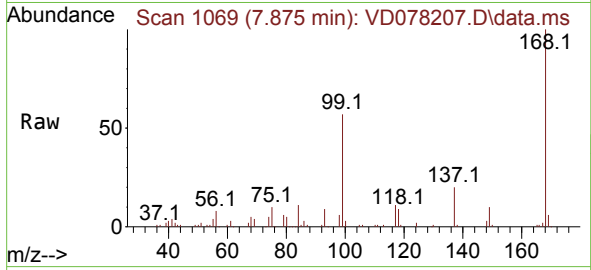
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1070
Delta R.T. -0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

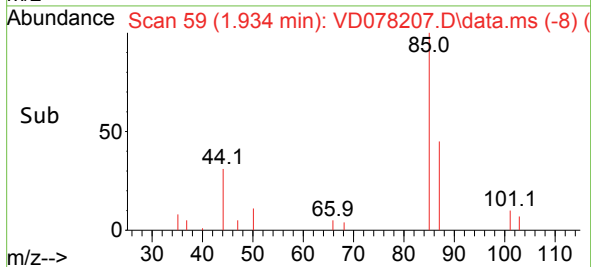
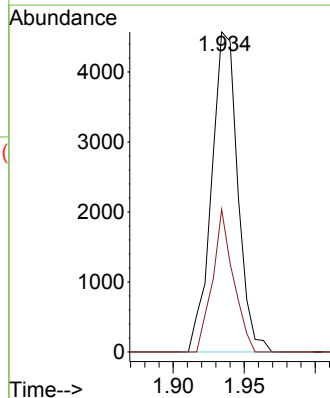
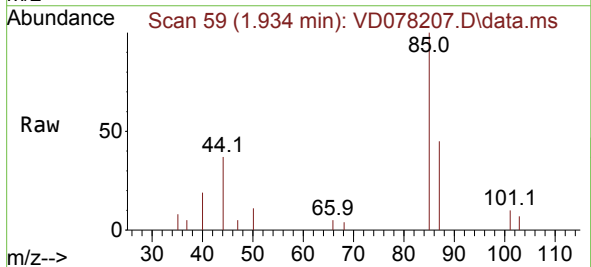
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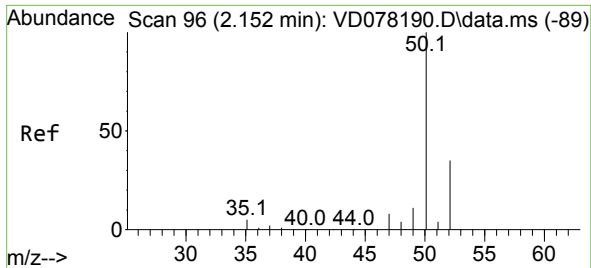
Tgt Ion:168 Resp: 121749
Ion Ratio Lower Upper
168 100
99 56.6 36.7 55.1#



#2
Dichlorodifluoromethane
Concen: 4.184 ug/l
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 85 Resp: 5868
Ion Ratio Lower Upper
85 100
87 44.6 15.7 47.0

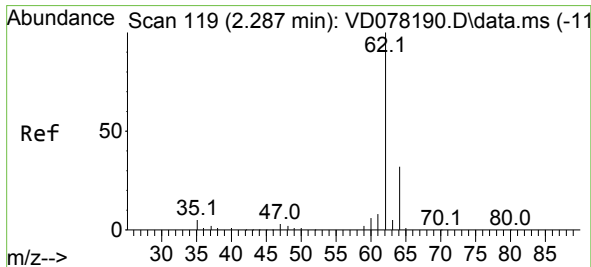
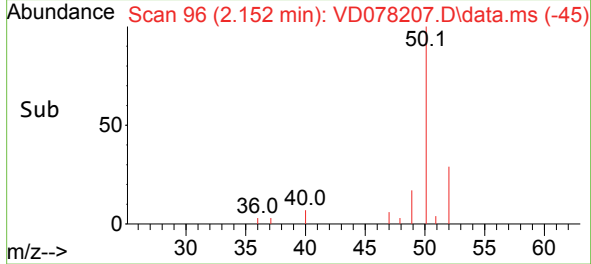
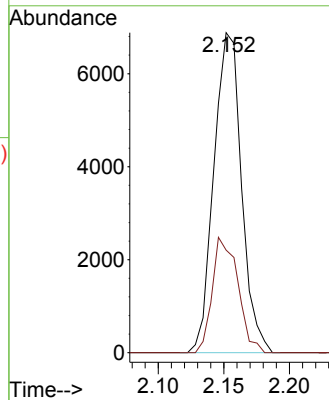
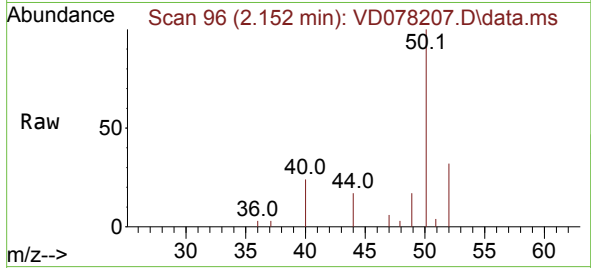




#3
Chloromethane
Concen: 4.455 ug/l
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

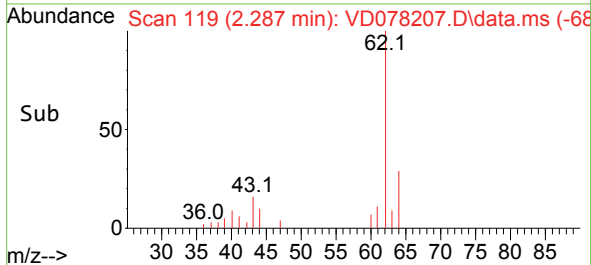
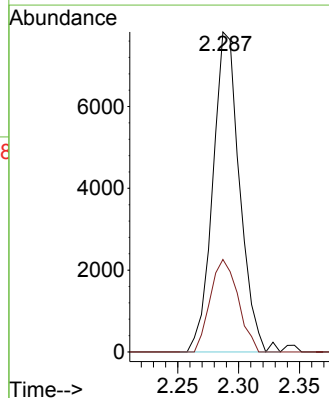
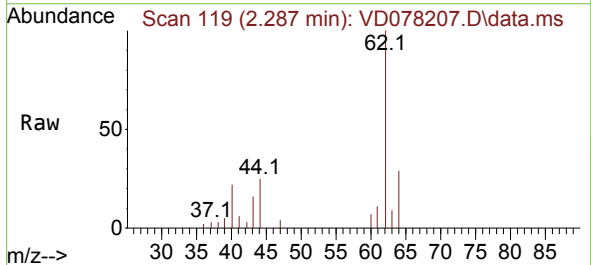
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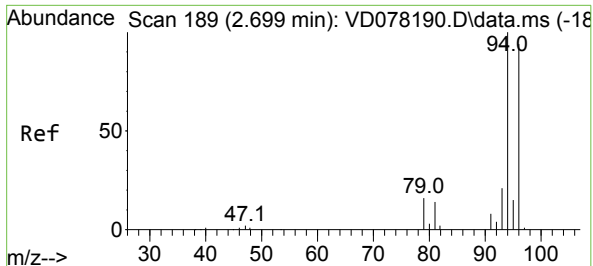
Tgt Ion: 50 Resp: 10079
Ion Ratio Lower Upper
50 100
52 32.1 26.6 40.0



#4
Vinyl Chloride
Concen: 4.150 ug/l
RT: 2.287 min Scan# 119
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 62 Resp: 11980
Ion Ratio Lower Upper
62 100
64 28.9 26.0 39.0

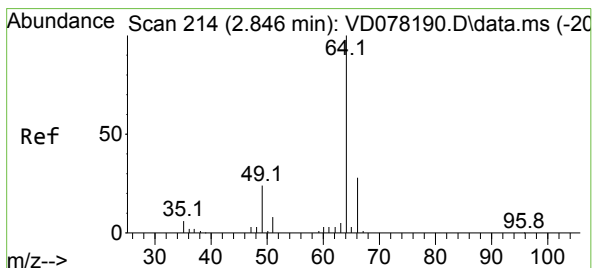
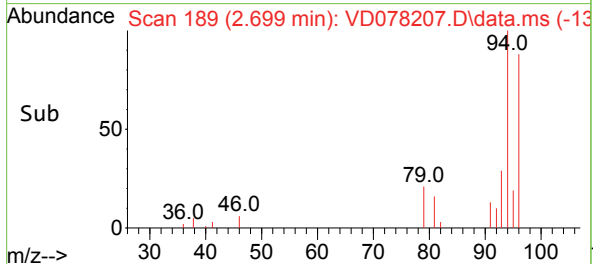
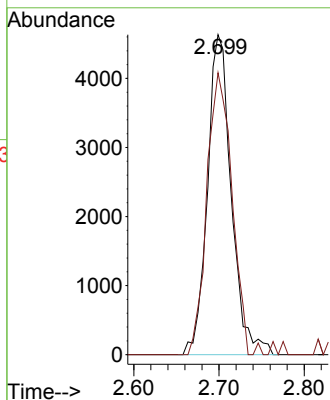
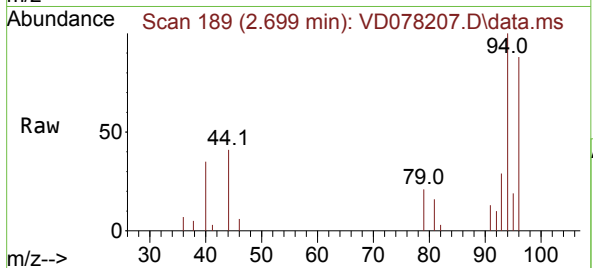




#5
Bromomethane
Concen: 4.283 ug/l
RT: 2.699 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

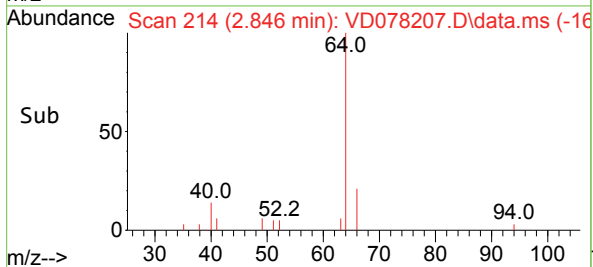
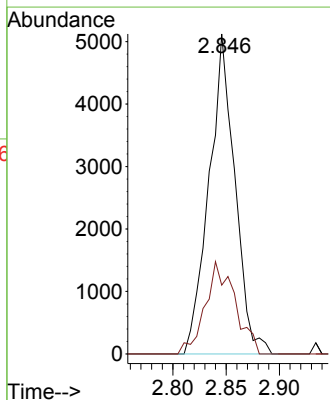
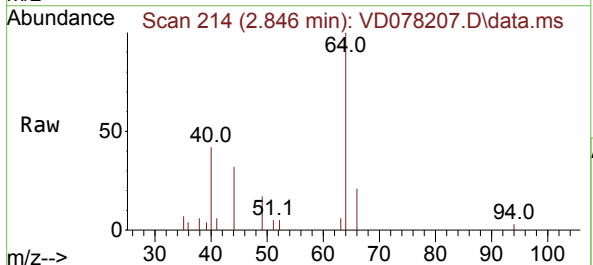
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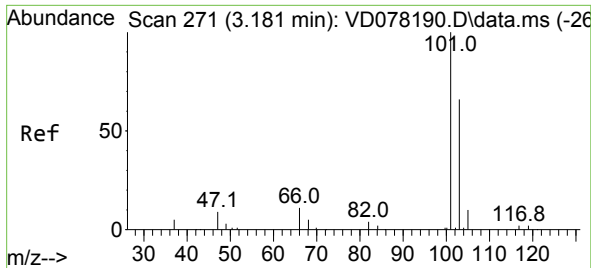
Tgt Ion: 94 Resp: 9023
Ion Ratio Lower Upper
94 100
96 92.1 75.8 113.8



#6
Chloroethane
Concen: 4.302 ug/l
RT: 2.846 min Scan# 214
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 64 Resp: 8676
Ion Ratio Lower Upper
64 100
66 21.5 25.5 38.3#

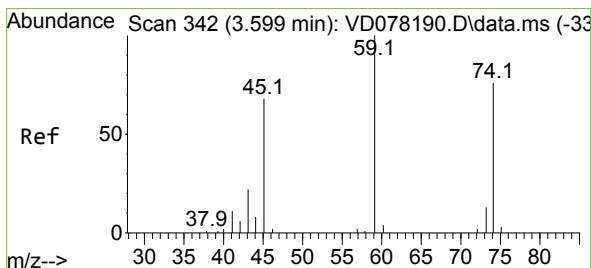
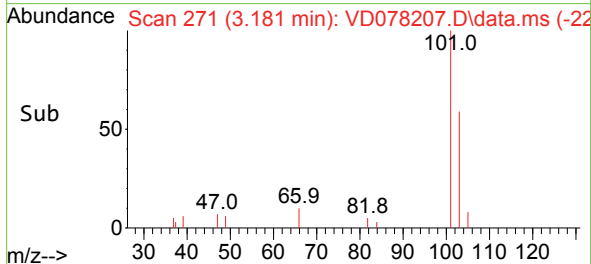
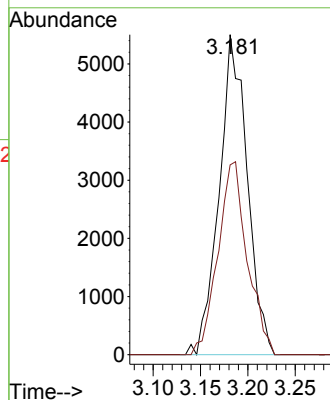
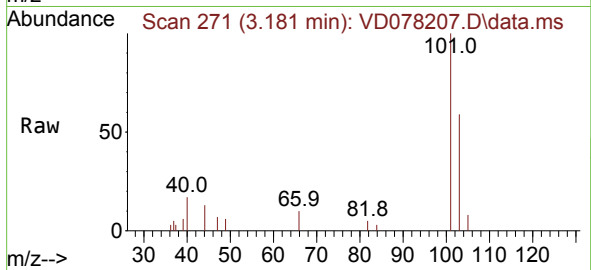




#7
 Trichlorofluoromethane
 Concen: 4.316 ug/l
 RT: 3.181 min Scan# 271
 Delta R.T. -0.000 min
 Lab File: VD078207.D
 Acq: 23 Jan 2024 14:48

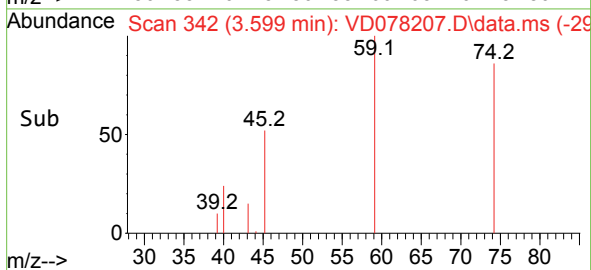
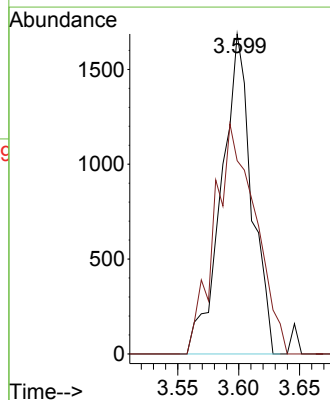
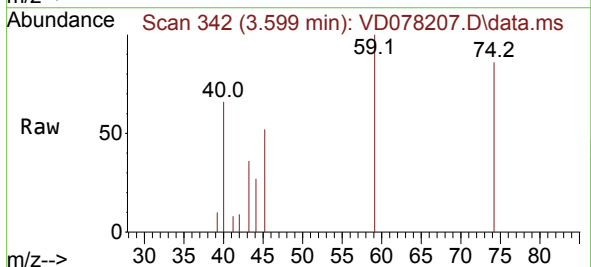
Instrument :
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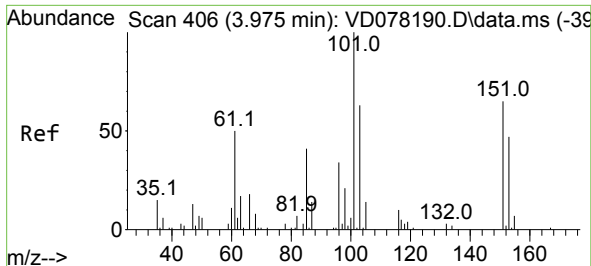
Tgt Ion:101 Resp: 11335
 Ion Ratio Lower Upper
 101 100
 103 59.3 52.3 78.5



#8
 Diethyl Ether
 Concen: 3.982 ug/l
 RT: 3.599 min Scan# 342
 Delta R.T. -0.000 min
 Lab File: VD078207.D
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Tgt Ion: 74 Resp: 2899
 Ion Ratio Lower Upper
 74 100
 45 98.3 37.5 112.7

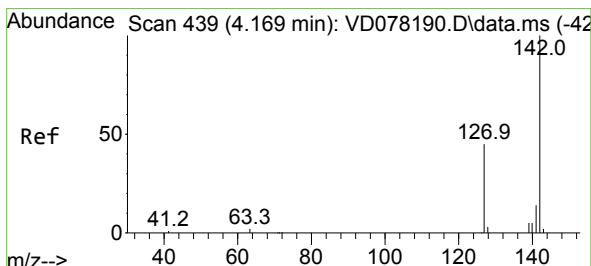
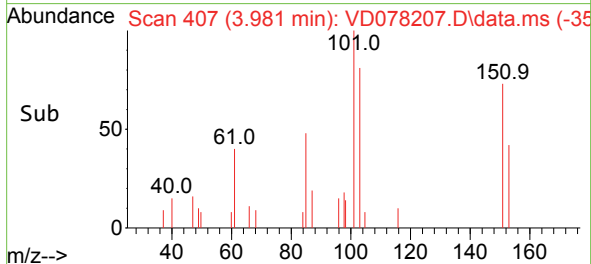
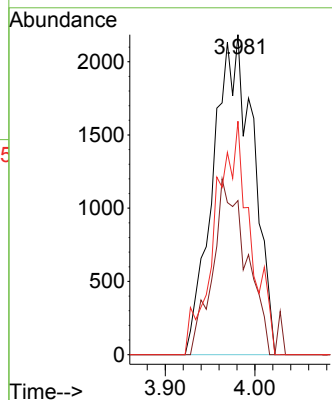
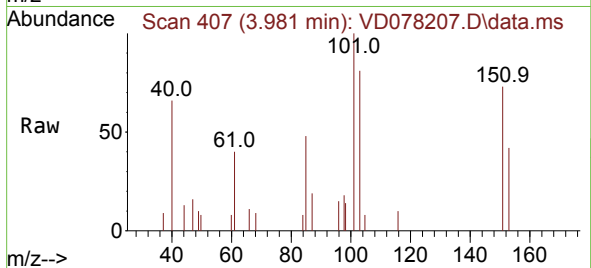




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.499 ug/l
RT: 3.981 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

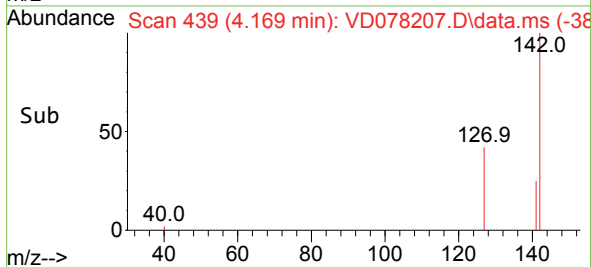
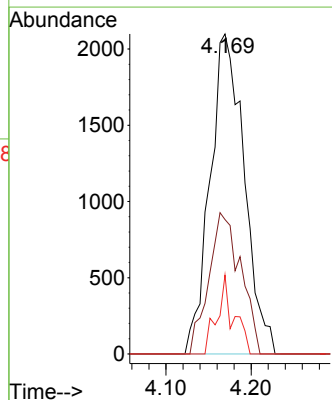
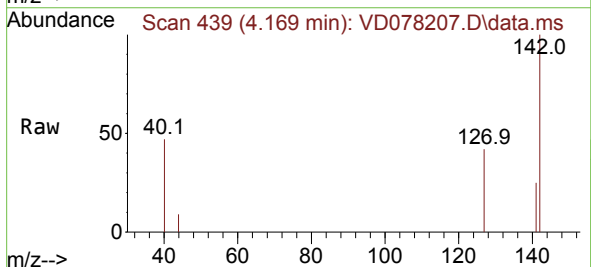
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

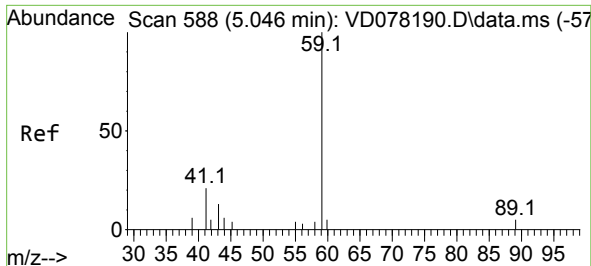
Tgt Ion:101 Resp: 6843
Ion Ratio Lower Upper
101 100
85 45.7 33.8 50.6
151 63.5 59.8 89.6



#10
Methyl Iodide
Concen: 3.834 ug/l
RT: 4.169 min Scan# 439
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion:142 Resp: 5846
Ion Ratio Lower Upper
142 100
127 41.4 29.4 44.0
141 12.1 11.1 16.7

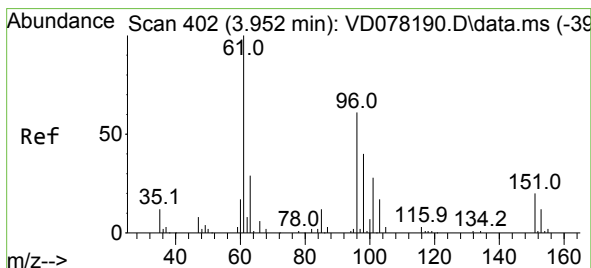
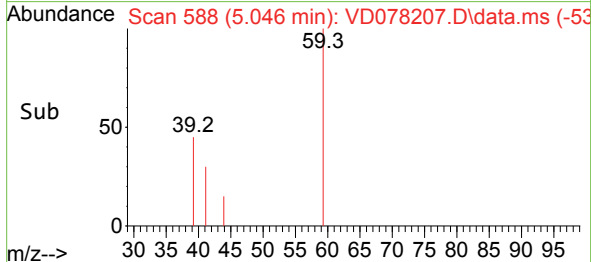
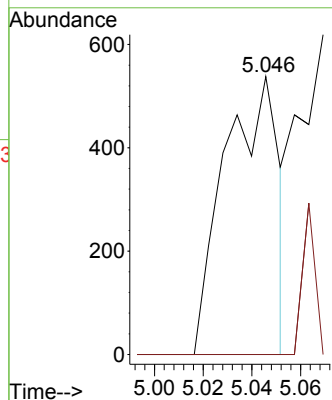
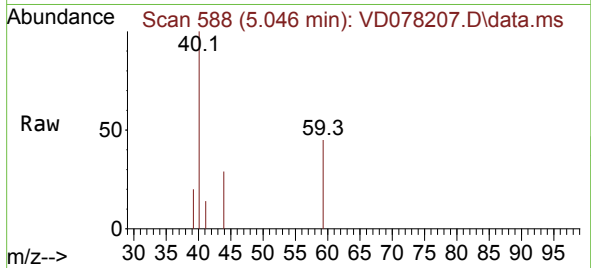




#11
Tert butyl alcohol
Concen: 12.115 ug/l
RT: 5.046 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

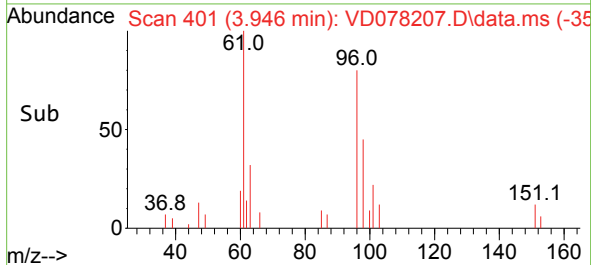
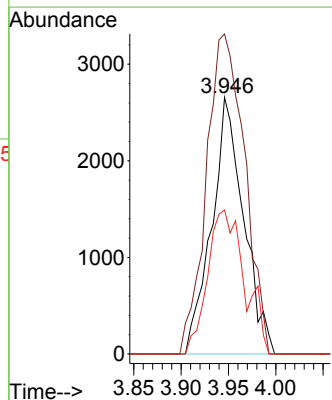
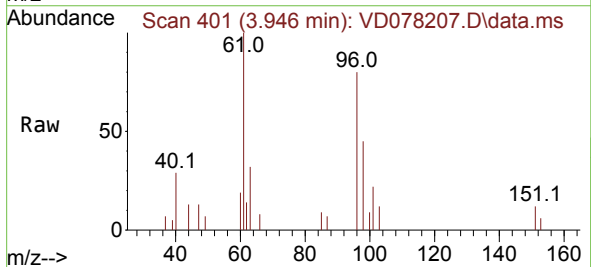
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

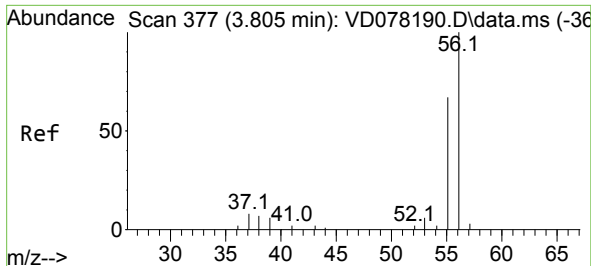
Tgt Ion: 59 Resp: 829
Ion Ratio Lower Upper
59 100
57 12.4 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 4.152 ug/l
RT: 3.946 min Scan# 401
Delta R.T. -0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 96 Resp: 6255
Ion Ratio Lower Upper
96 100
61 124.7 100.6 150.8
98 56.1 50.2 75.2





#13

Acrolein

Concen: 22.155 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

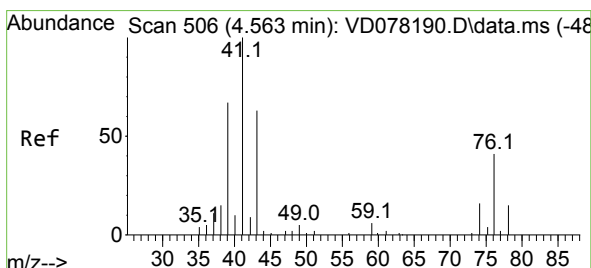
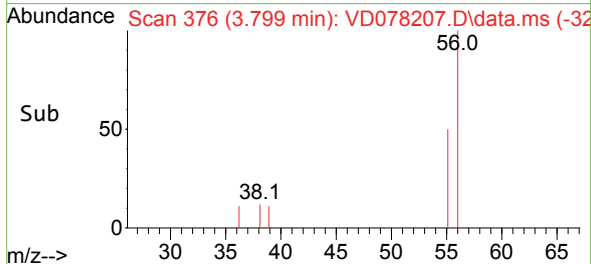
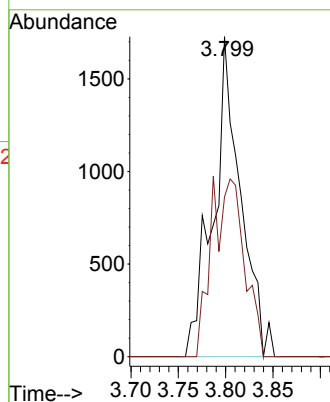
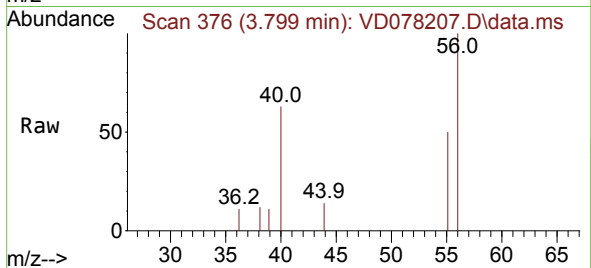
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 56 Resp: 3480

Ion Ratio Lower Upper

56 100

55 66.8 55.1 82.7



#14

Allyl chloride

Concen: 4.251 ug/l

RT: 4.563 min Scan# 506

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

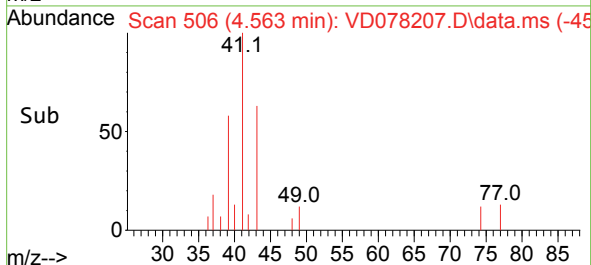
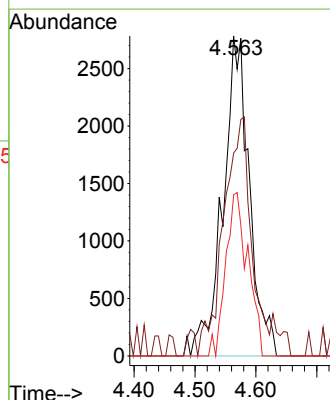
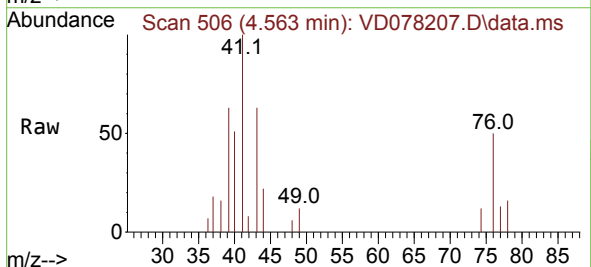
Tgt Ion: 41 Resp: 8448

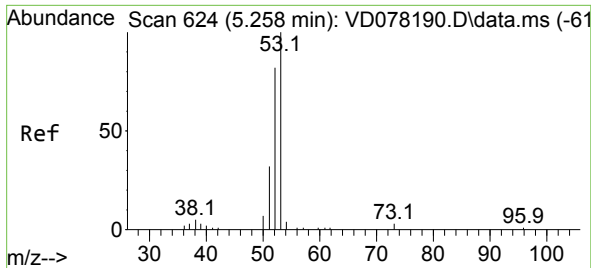
Ion Ratio Lower Upper

41 100

39 77.1 53.8 80.6

76 42.4 45.8 68.8#

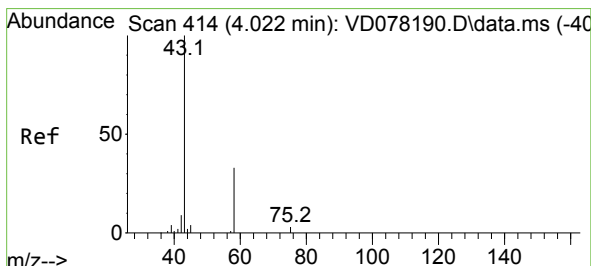
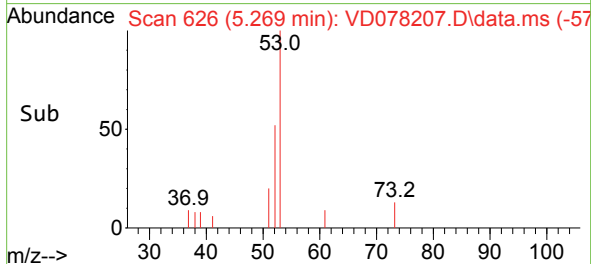
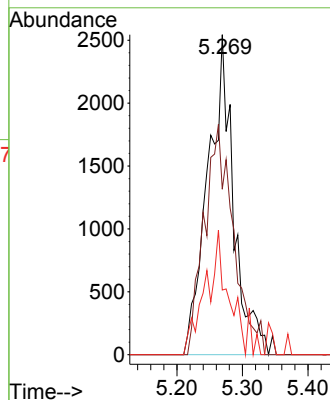
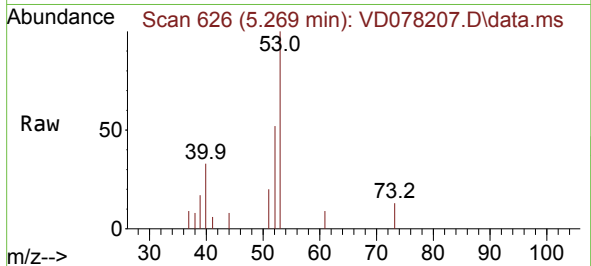




#15
Acrylonitrile
Concen: 21.236 ug/l
RT: 5.269 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

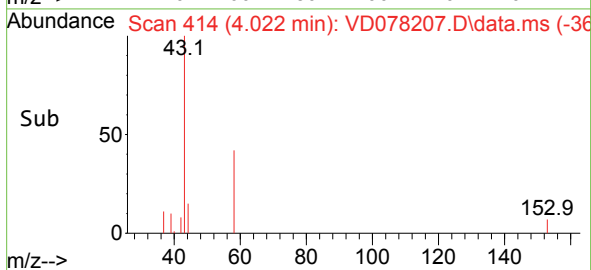
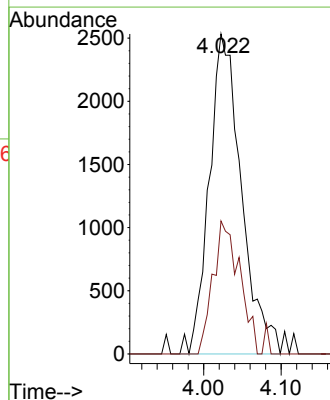
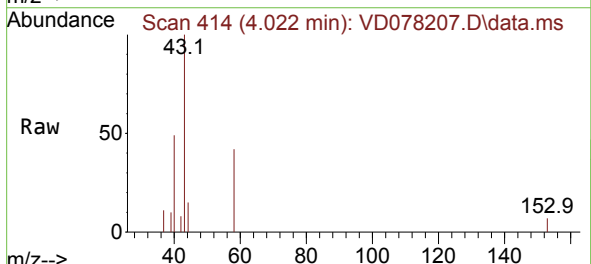
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

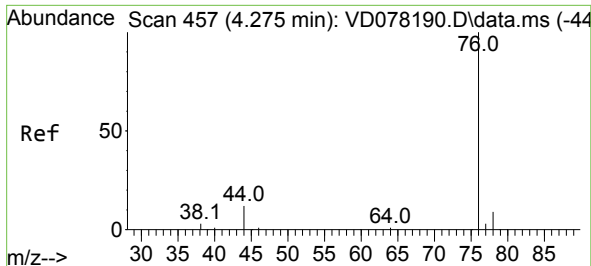
Tgt Ion: 53	Resp: 6937
Ion Ratio	Lower Upper
53 100	
52 81.5	65.0 97.4
51 33.9	28.3 42.5



#16
Acetone
Concen: 17.641 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 43	Resp: 7309
Ion Ratio	Lower Upper
43 100	
58 41.5	34.7 52.1

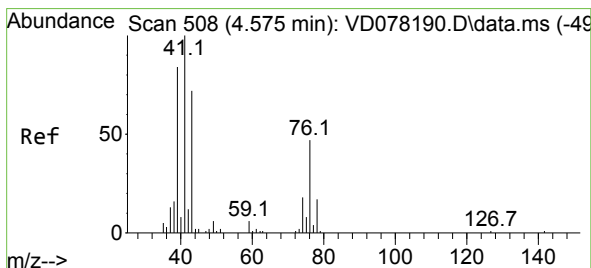
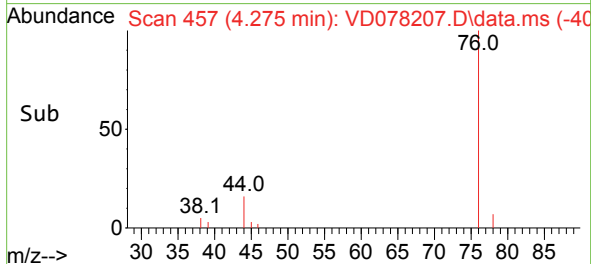
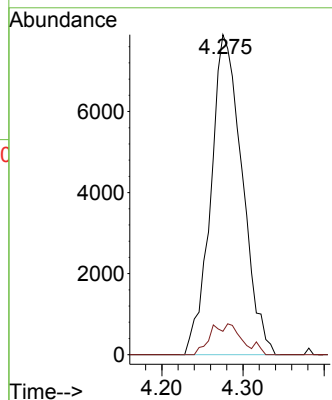
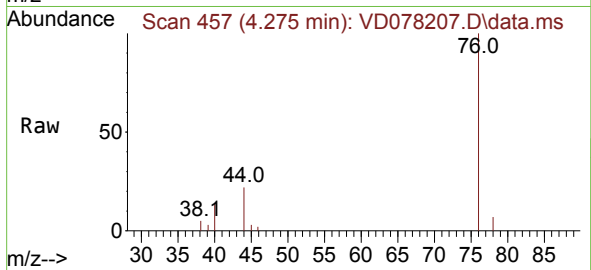




#17
Carbon Disulfide
Concen: 4.345 ug/l
RT: 4.275 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

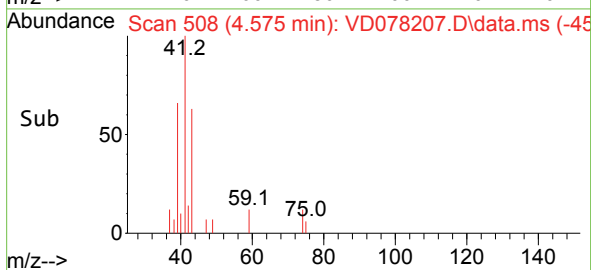
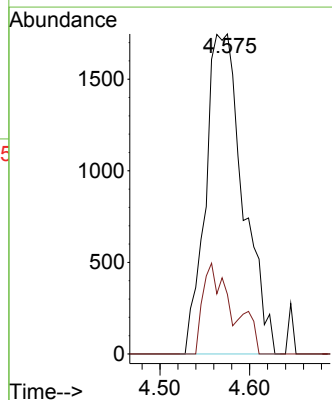
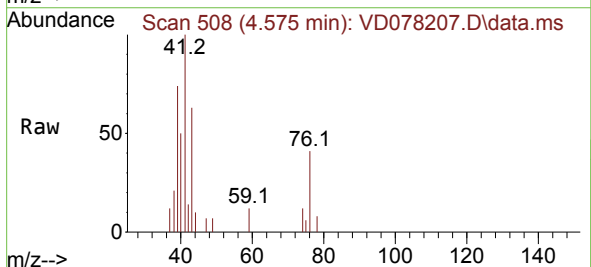
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

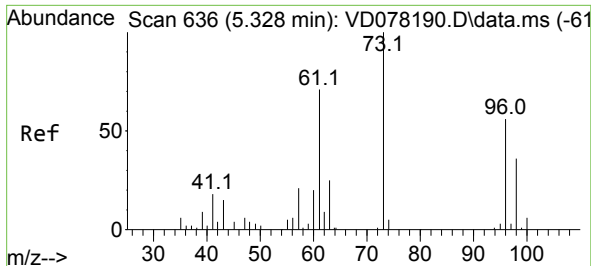
Tgt Ion: 76 Resp: 21226
Ion Ratio Lower Upper
76 100
78 7.3 6.8 10.2



#18
Methyl Acetate
Concen: 4.254 ug/l
RT: 4.575 min Scan# 508
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 43 Resp: 5087
Ion Ratio Lower Upper
43 100
74 18.1 26.4 39.6#





#19

Methyl tert-butyl Ether

Concen: 3.975 ug/l

RT: 5.310 min Scan# 61

Delta R.T. -0.018 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

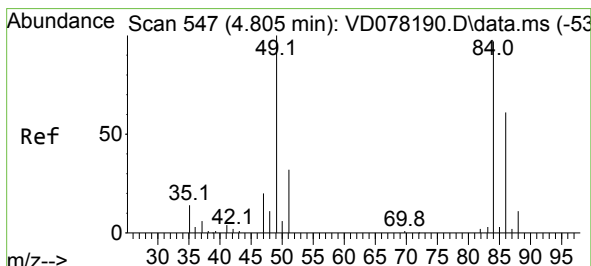
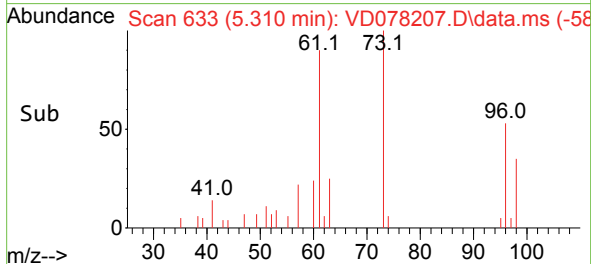
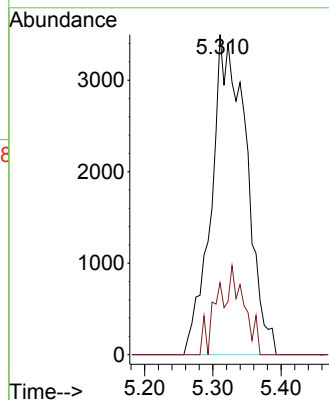
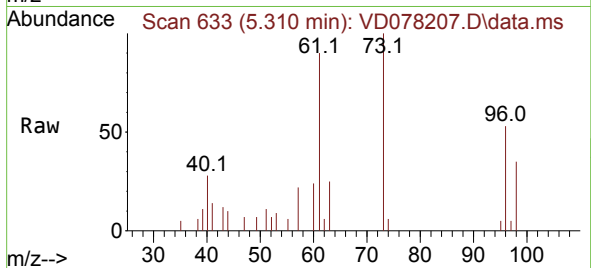
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 73 Resp: 12488

Ion Ratio Lower Upper

73 100

57 22.5 16.6 25.0



#20

Methylene Chloride

Concen: 5.566 ug/l

RT: 4.805 min Scan# 547

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Tgt Ion: 84 Resp: 11349

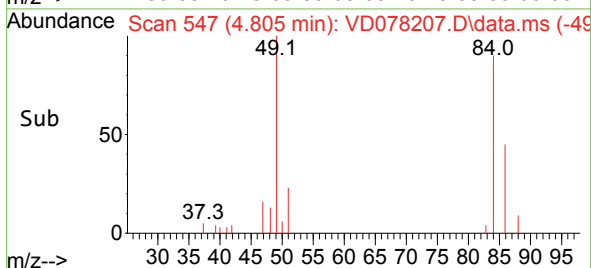
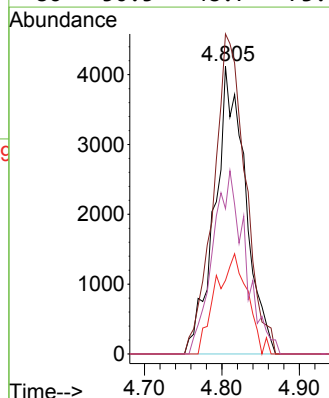
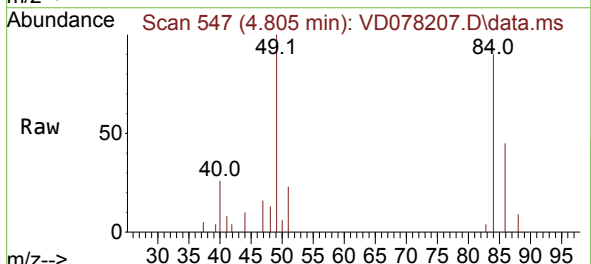
Ion Ratio Lower Upper

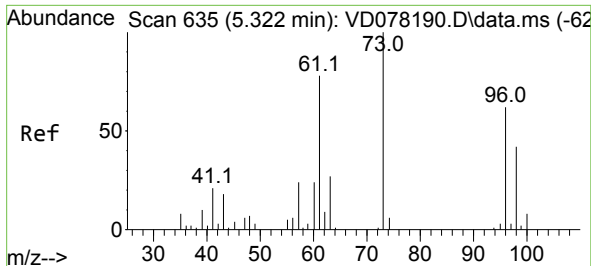
84 100

49 111.3 71.4 107.2#

51 25.6 24.5 36.7

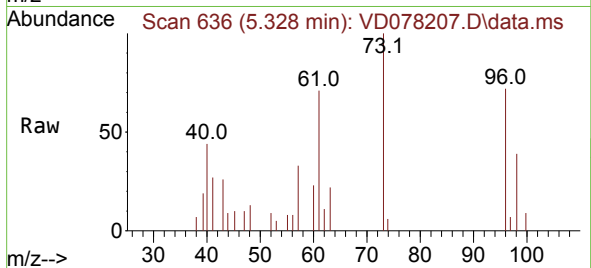
86 50.5 48.7 73.1



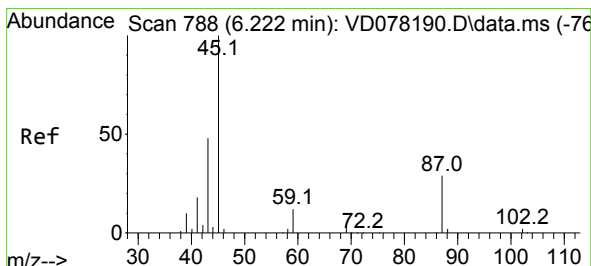
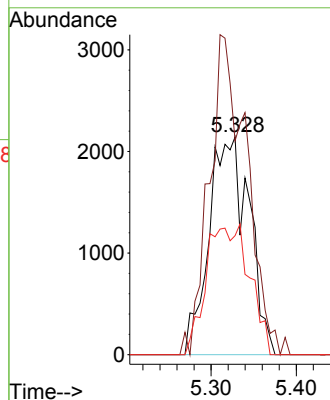
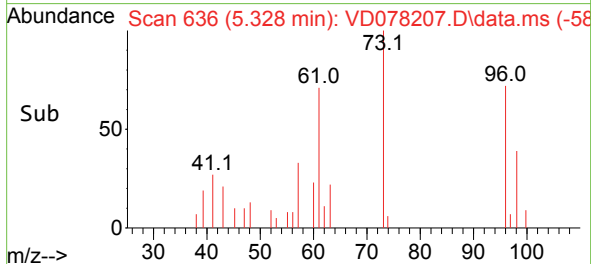


#21
trans-1,2-Dichloroethene
Concen: 4.058 ug/l
RT: 5.328 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

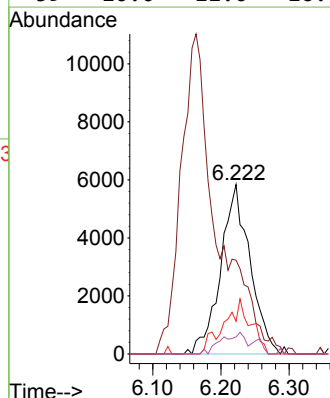
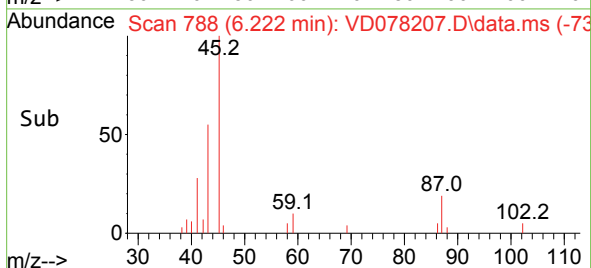
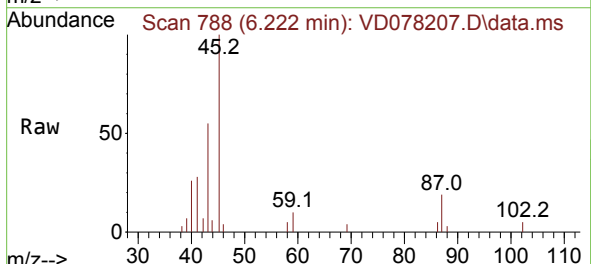


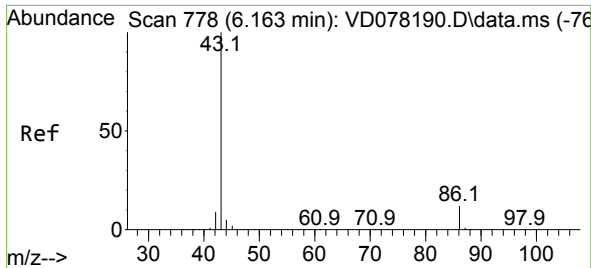
Tgt Ion: 96	Resp: 7065
Ion Ratio	Lower Upper
96 100	
61 98.3	89.3 133.9
98 54.6	48.6 73.0



#22
Diisopropyl ether
Concen: 4.159 ug/l
RT: 6.222 min Scan# 788
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 45	Resp: 17490
Ion Ratio	Lower Upper
45 100	
43 50.9	40.0 60.0
87 19.2	28.2 42.4#
59 10.0	11.0 16.4#

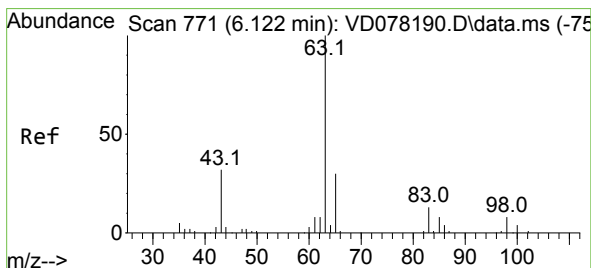
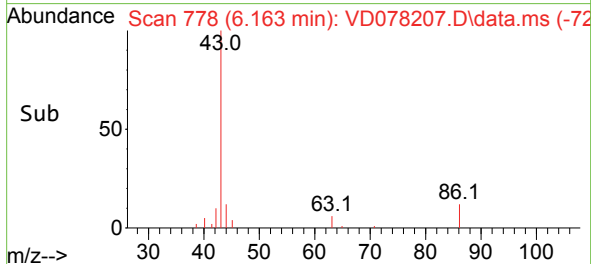
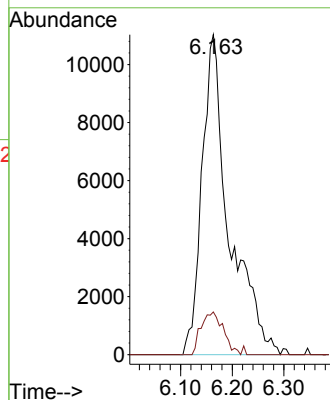
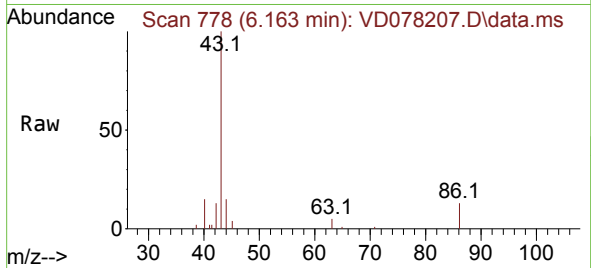




#23
 Vinyl Acetate
 Concen: 19.428 ug/l
 RT: 6.163 min Scan# 778
 Delta R.T. -0.000 min
 Lab File: VD078207.D
 Acq: 23 Jan 2024 14:48

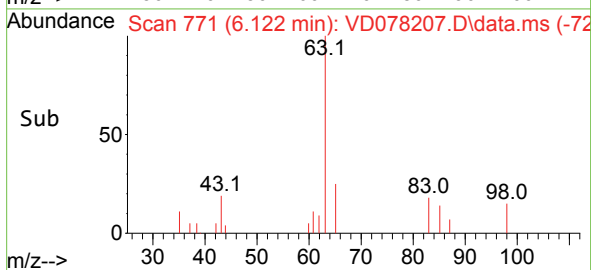
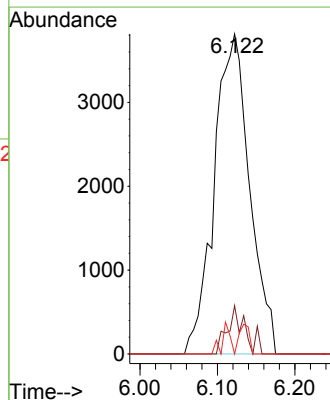
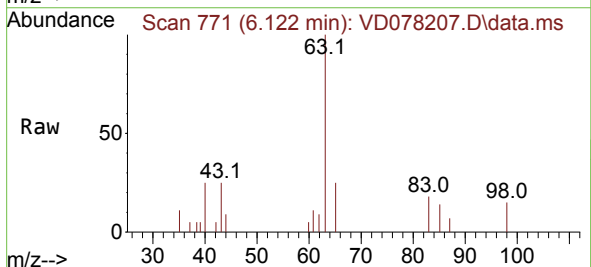
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

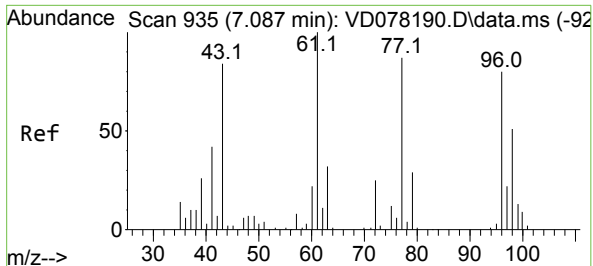
Tgt Ion: 43 Resp: 40254
 Ion Ratio Lower Upper
 43 100
 86 13.4 12.5 18.7



#24
 1,1-Dichloroethane
 Concen: 4.168 ug/l
 RT: 6.122 min Scan# 771
 Delta R.T. -0.000 min
 Lab File: VD078207.D
 Acq: 23 Jan 2024 14:48

Tgt Ion: 63 Resp: 12112
 Ion Ratio Lower Upper
 63 100
 98 15.1 4.5 13.7#
 100 0.0 2.5 7.5#

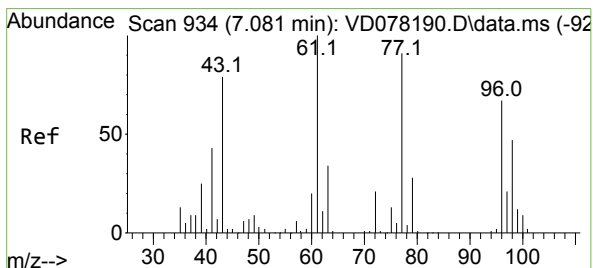
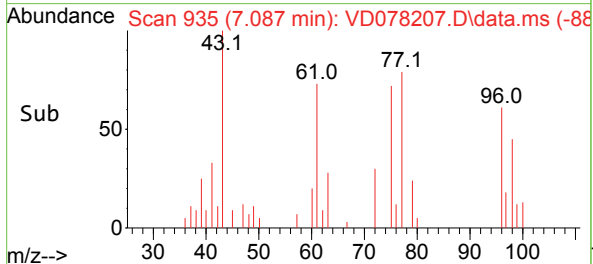
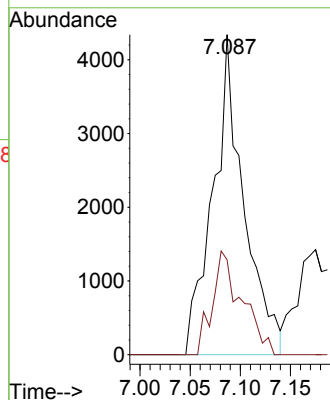
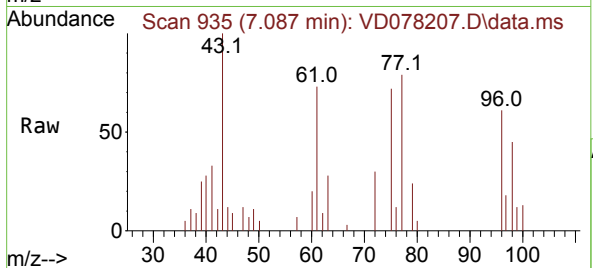




#25
2-Butanone
Concen: 18.978 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

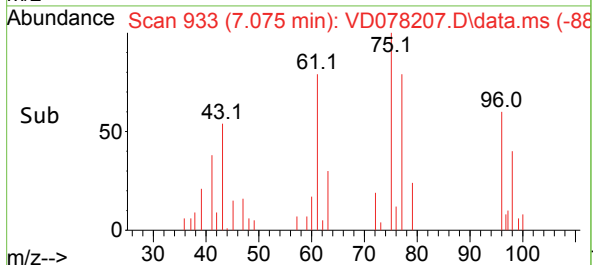
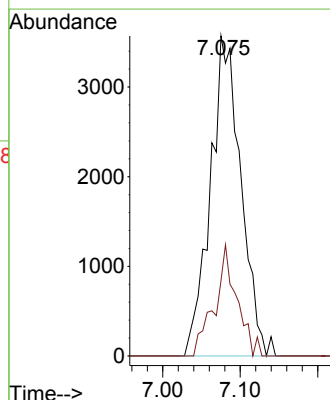
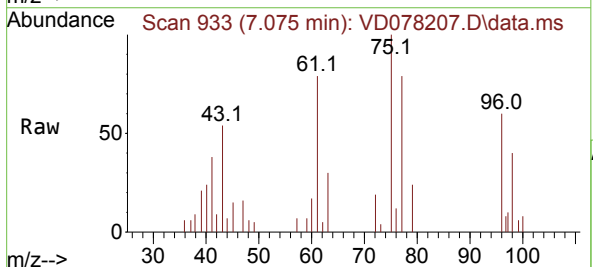
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

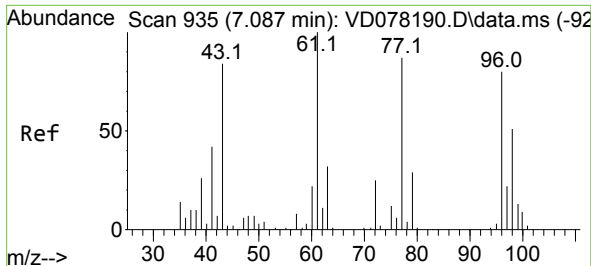
Tgt Ion: 43 Resp: 9292
Ion Ratio Lower Upper
43 100
72 29.7 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 4.030 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 77 Resp: 9811
Ion Ratio Lower Upper
77 100
97 25.4 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 4.036 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.012 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

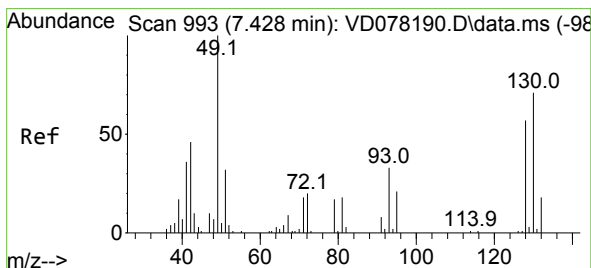
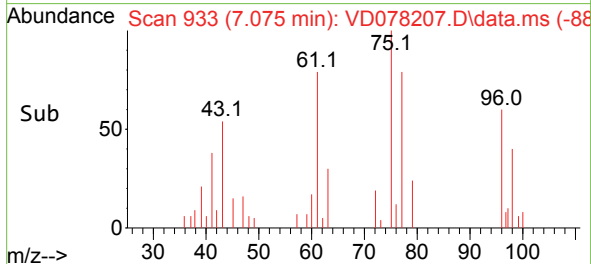
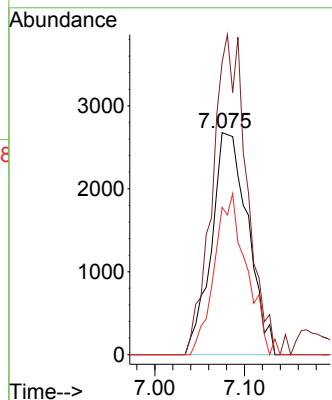
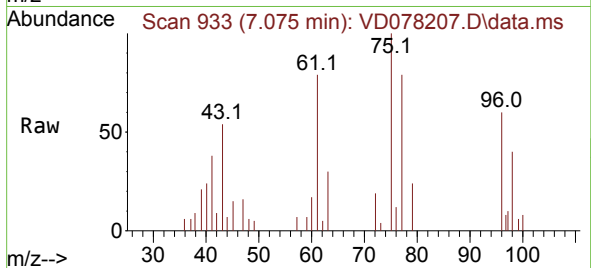
Tgt Ion: 96 Resp: 7548

Ion Ratio Lower Upper

96 100

61 136.4 0.0 239.2

98 64.3 0.0 128.6



#28

Bromochloromethane

Concen: 3.968 ug/l

RT: 7.434 min Scan# 994

Delta R.T. 0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

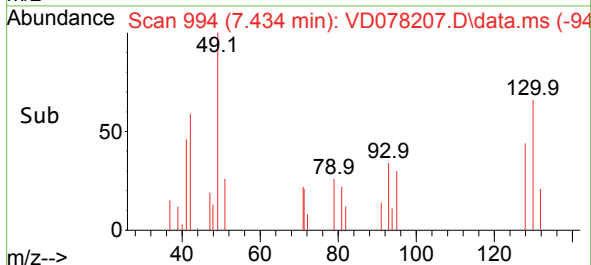
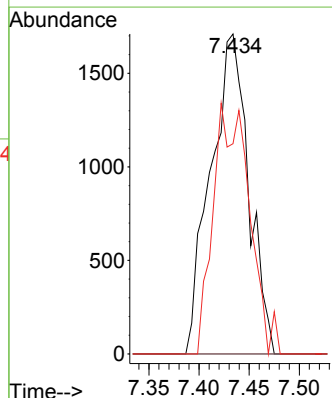
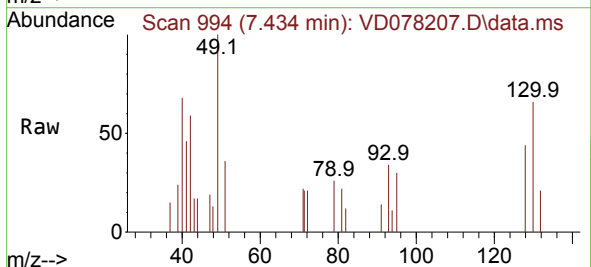
Tgt Ion: 49 Resp: 4497

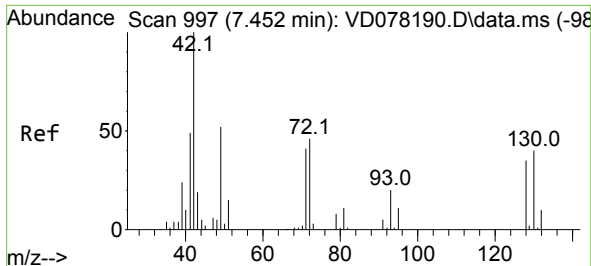
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 74.3 83.2 124.8#





#29

Tetrahydrofuran

Concen: 20.654 ug/l

RT: 7.451 min Scan# 997

Delta R.T. -0.000 min

Lab File: VD078207.D

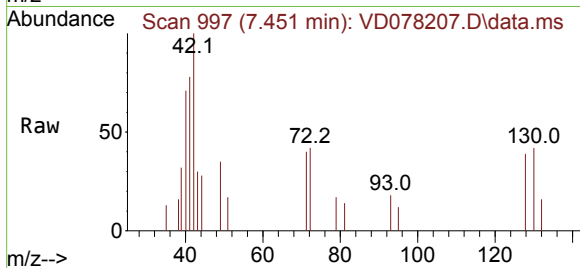
Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



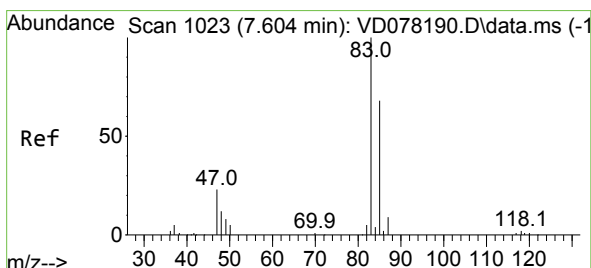
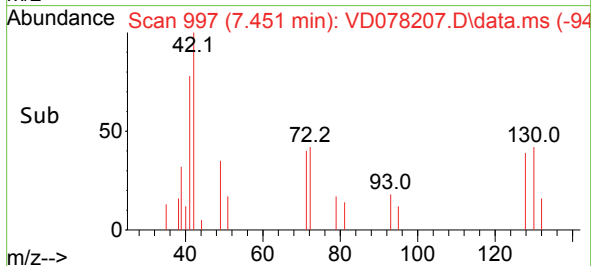
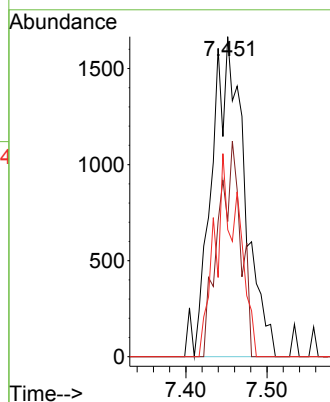
Tgt Ion: 42 Resp: 4736

Ion	Ratio	Lower	Upper
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42	100		
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72	45.5	46.5	69.7#
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71	29.6	44.5	66.7#
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#30

Chloroform

Concen: 4.260 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VD078207.D

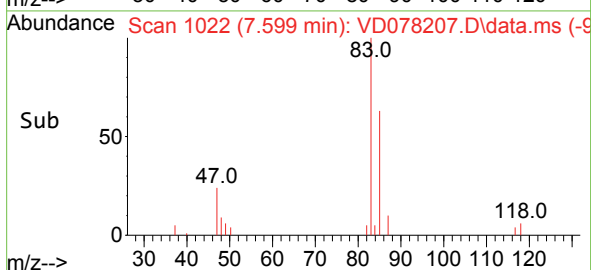
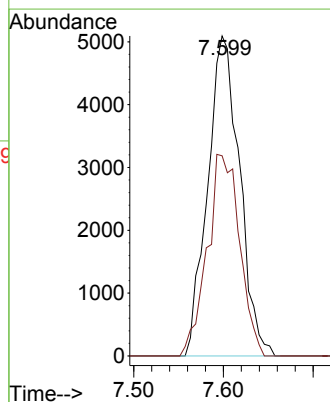
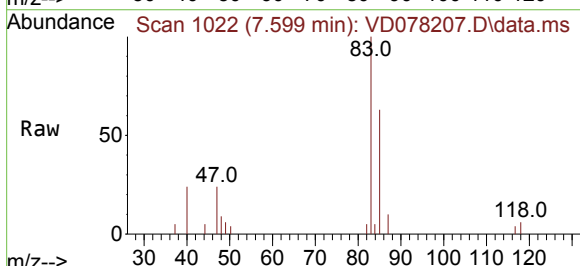
Acq: 23 Jan 2024 14:48

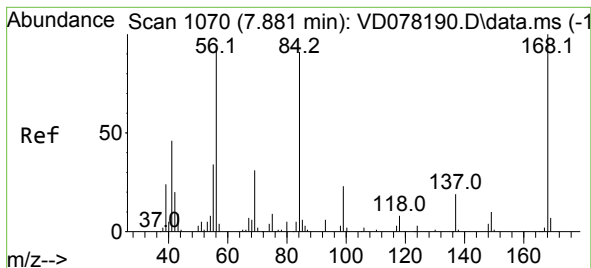
Tgt Ion: 83 Resp: 12589

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

83	100		
----	-----	--	--

85	62.6	53.4	80.2
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#31

Cyclohexane

Concen: 4.800 ug/l

RT: 7.893 min Scan# 1072

Delta R.T. 0.012 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

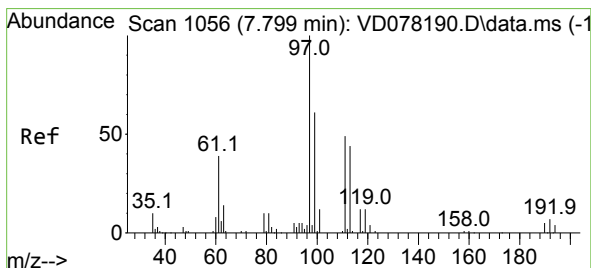
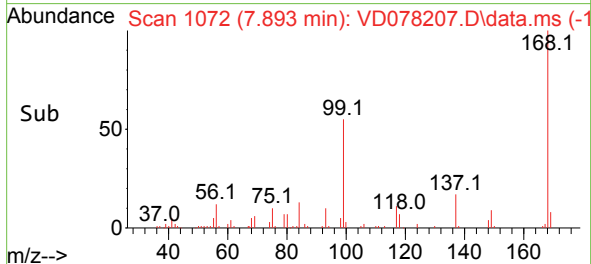
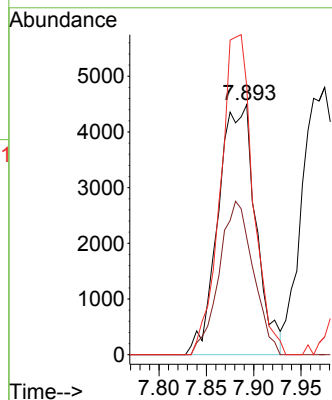
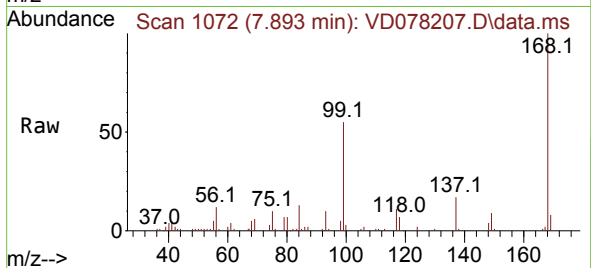
Tgt Ion: 56 Resp: 12335

Ion Ratio Lower Upper

56 100

69 46.7 28.6 43.0#

84 107.4 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 2.245 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

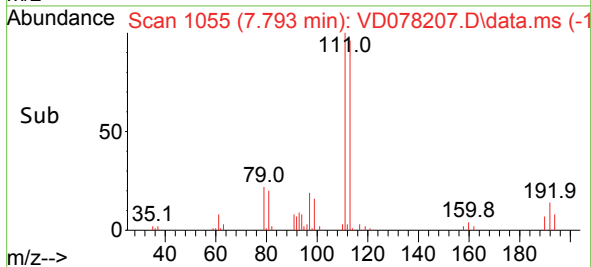
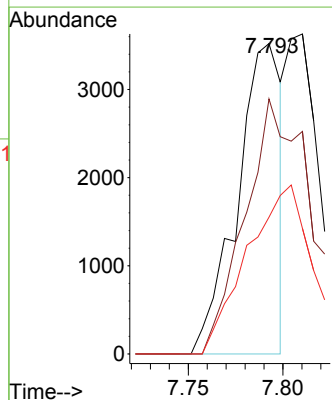
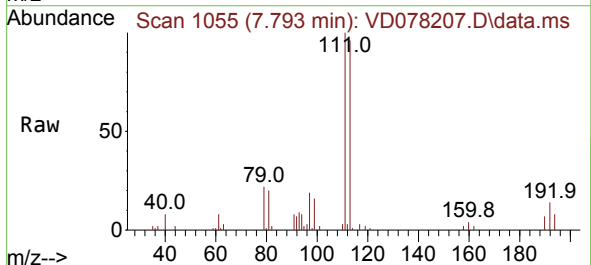
Tgt Ion: 97 Resp: 5730

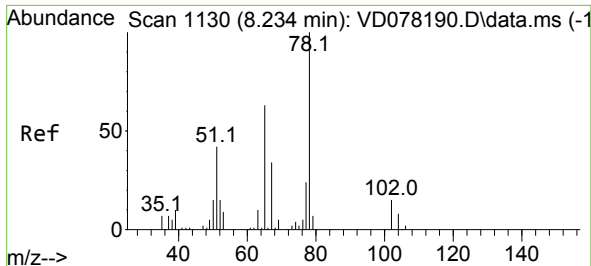
Ion Ratio Lower Upper

97 100

99 119.5 52.0 78.0#

61 83.1 33.8 50.8#





#33

1,2-Dichloroethane-d4

Concen: 54.722 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

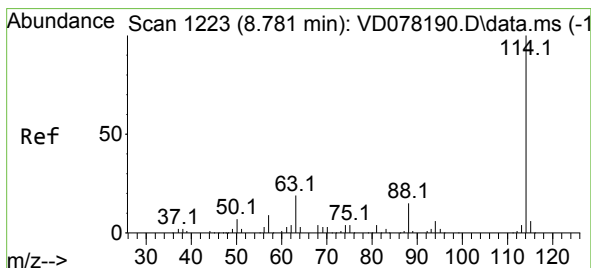
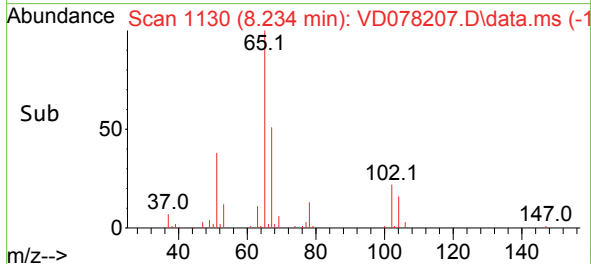
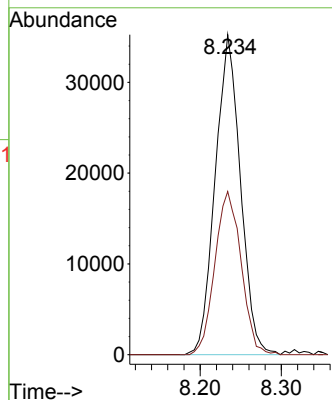
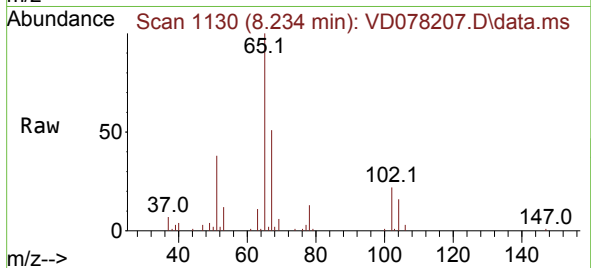
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 65 Resp: 76057

Ion Ratio Lower Upper

65 100

67 53.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

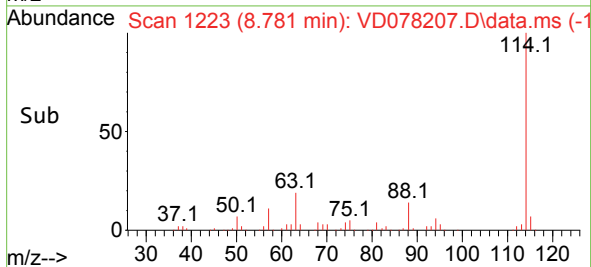
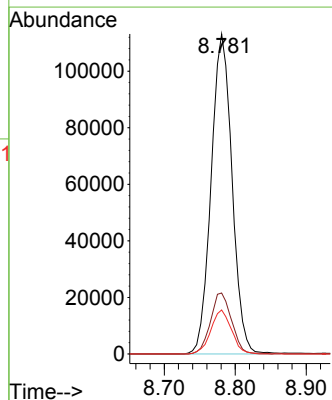
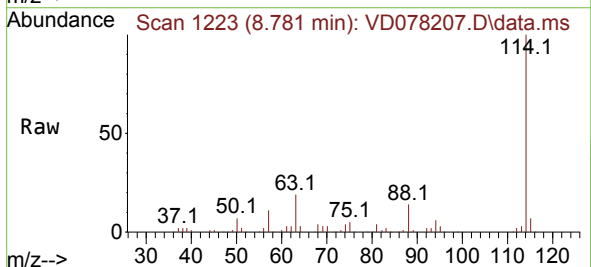
Tgt Ion: 114 Resp: 230964

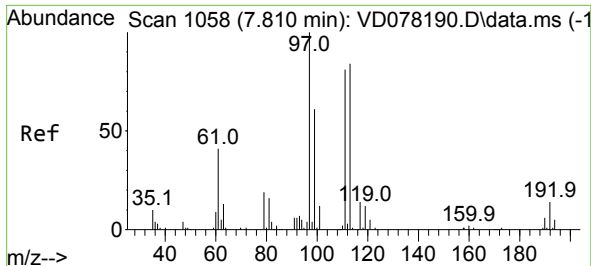
Ion Ratio Lower Upper

114 100

63 19.1 0.0 33.4

88 13.7 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.715 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078207.D

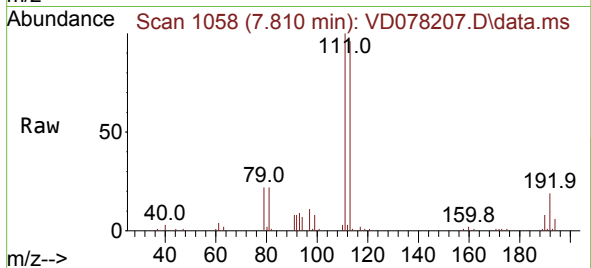
Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



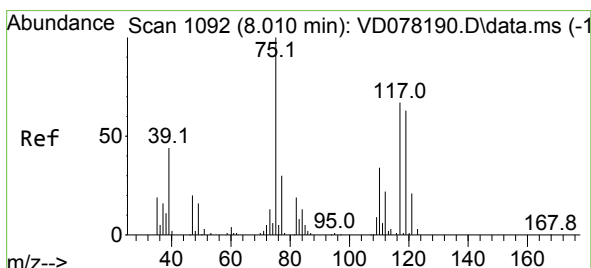
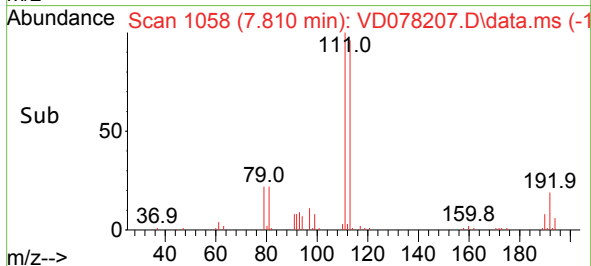
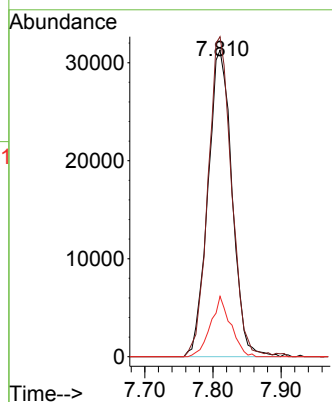
Tgt Ion:113 Resp: 77090

Ion Ratio Lower Upper

113 100

111 101.8 84.7 127.1

192 16.4 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 4.076 ug/l

RT: 8.004 min Scan# 1091

Delta R.T. -0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

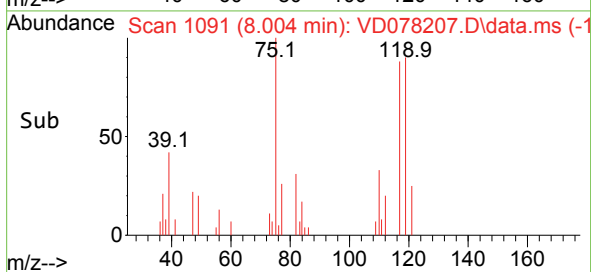
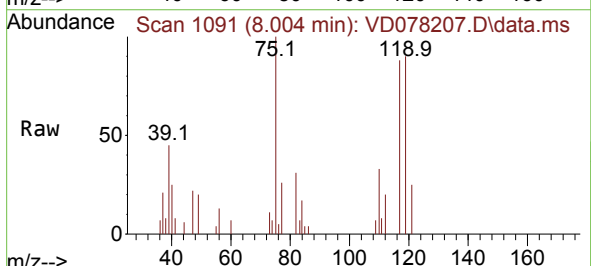
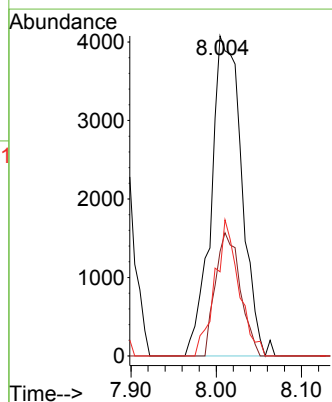
Tgt Ion: 75 Resp: 10189

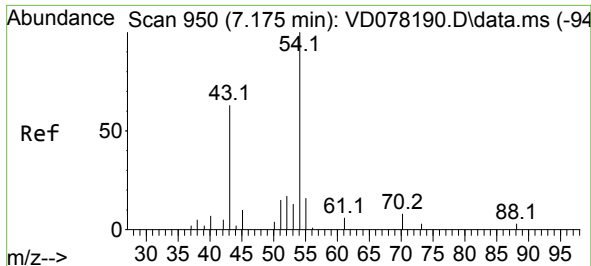
Ion Ratio Lower Upper

75 100

110 31.3 19.9 59.6

77 33.3 24.7 37.1





#37

Ethyl Acetate

Concen: 4.297 ug/l

RT: 7.175 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

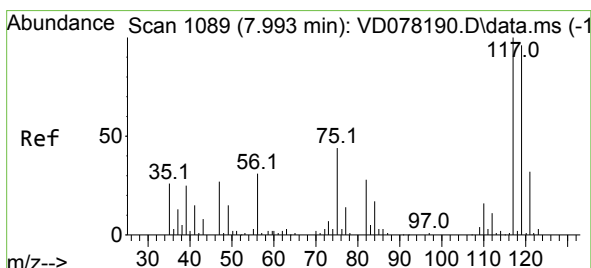
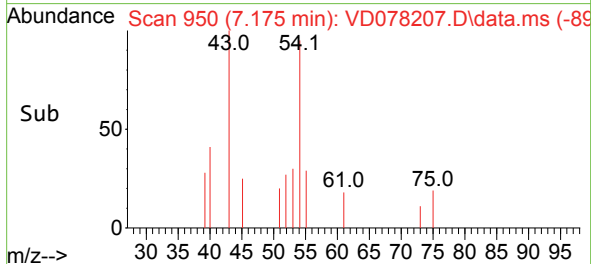
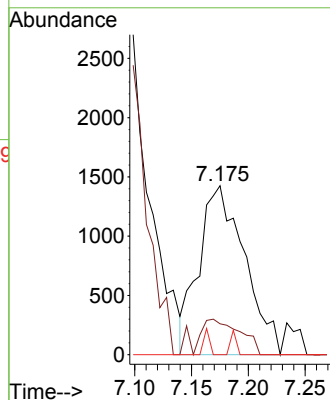
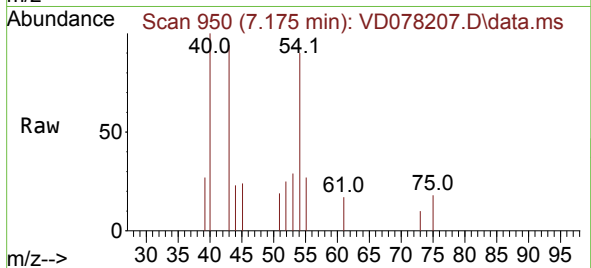
Tgt Ion: 43 Resp: 3999

Ion Ratio Lower Upper

43 100

61 17.6 14.9 22.3

70 2.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 3.560 ug/l

RT: 7.998 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

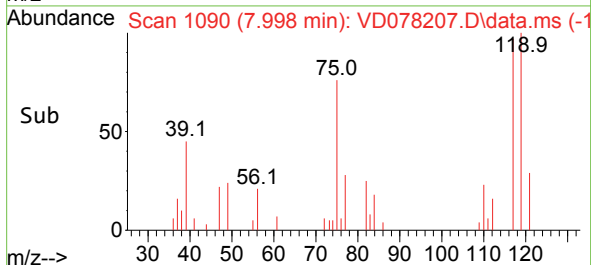
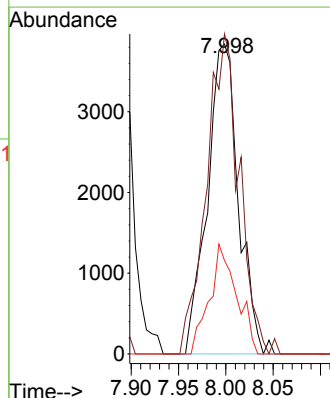
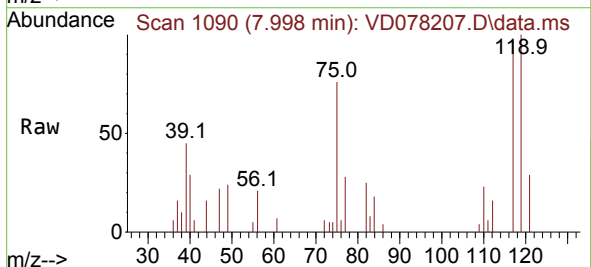
Tgt Ion: 117 Resp: 8788

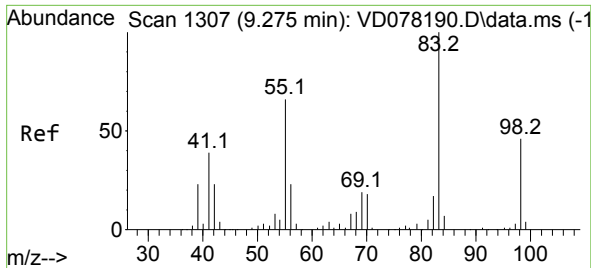
Ion Ratio Lower Upper

117 100

119 103.2 78.0 117.0

121 30.1 24.2 36.2





#39

Methylcyclohexane

Concen: 3.620 ug/l

RT: 9.281 min Scan# 11308

Delta R.T. 0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

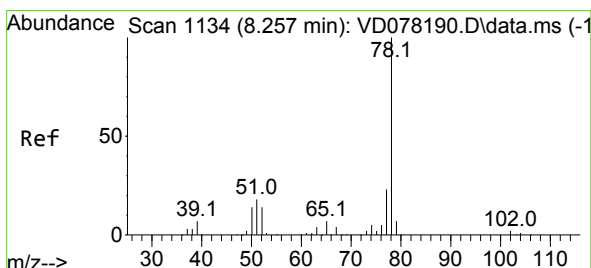
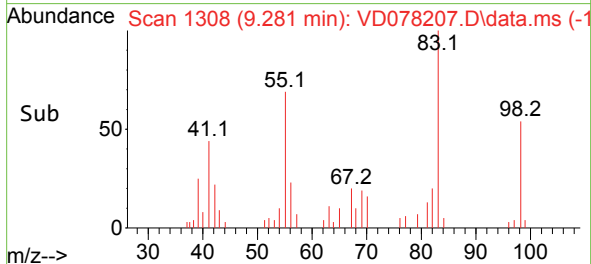
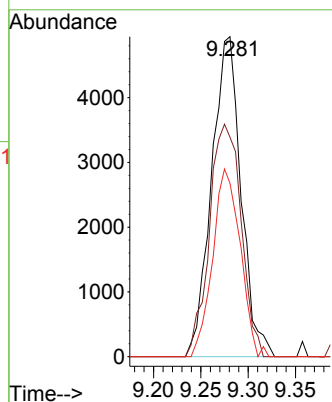
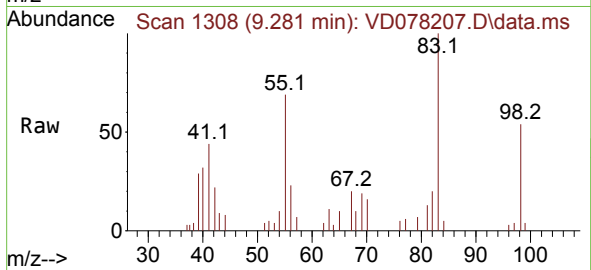
Tgt Ion: 83 Resp: 10700

Ion Ratio Lower Upper

83 100

55 68.6 49.4 74.0

98 54.2 38.4 57.6



#40

Benzene

Concen: 4.084 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VD078207.D

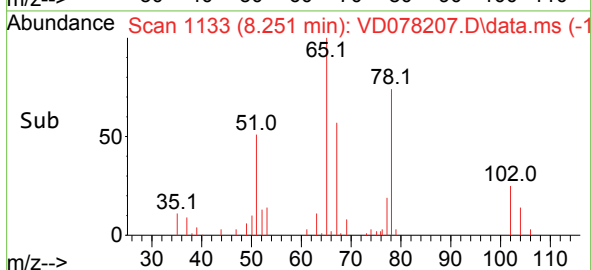
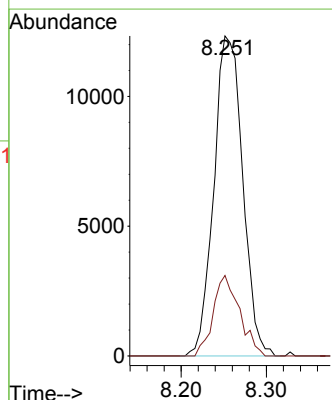
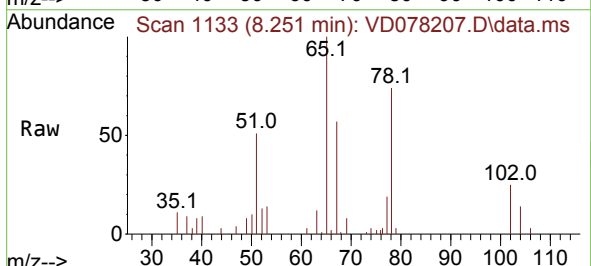
Acq: 23 Jan 2024 14:48

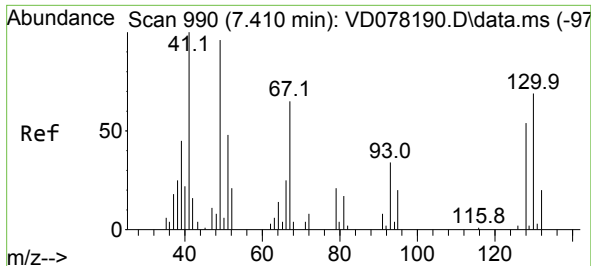
Tgt Ion: 78 Resp: 28969

Ion Ratio Lower Upper

78 100

77 25.2 19.4 29.0

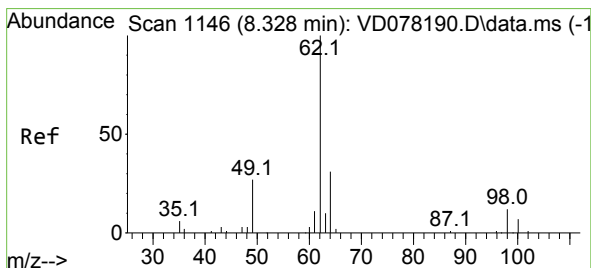
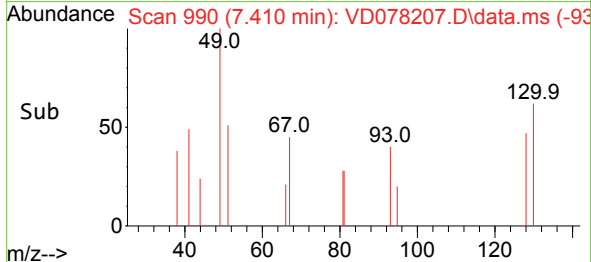
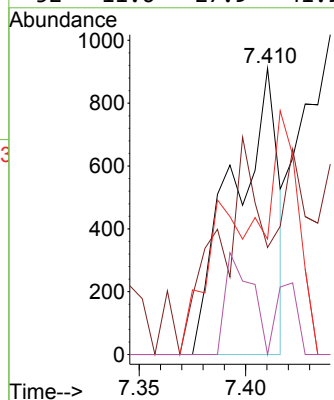
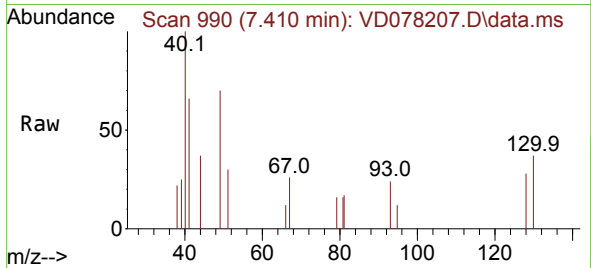




#41
Methacrylonitrile
Concen: 2.642 ug/l
RT: 7.410 min Scan# 990
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

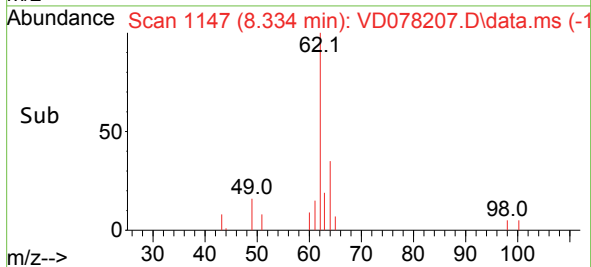
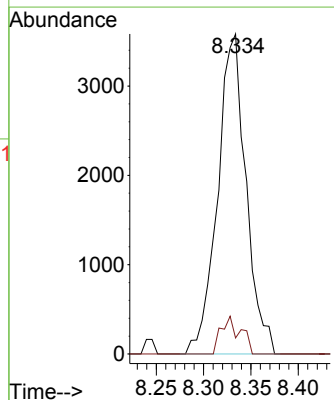
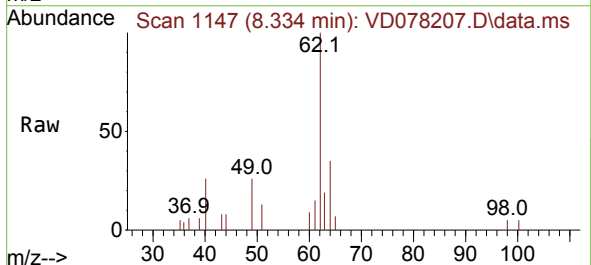
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

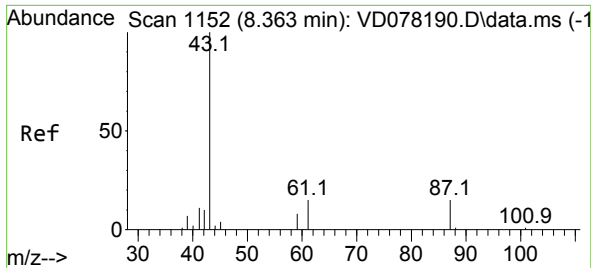
Tgt Ion: 41	Resp: 1350
Ion Ratio	Lower Upper
41 100	
39 50.1	34.0 51.0
67 65.0	77.0 115.4#
52 11.6	27.9 41.9#



#42
1,2-Dichloroethane
Concen: 4.051 ug/l
RT: 8.334 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 62	Resp: 7476
Ion Ratio	Lower Upper
62 100	
98 8.1	0.0 25.4





#43

Isopropyl Acetate

Concen: 3.799 ug/l

RT: 8.357 min Scan# 1151

Delta R.T. -0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

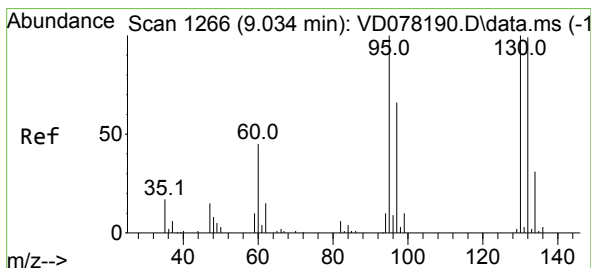
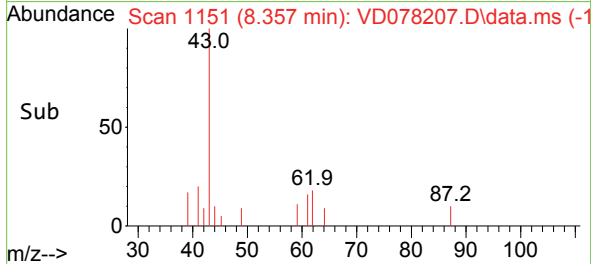
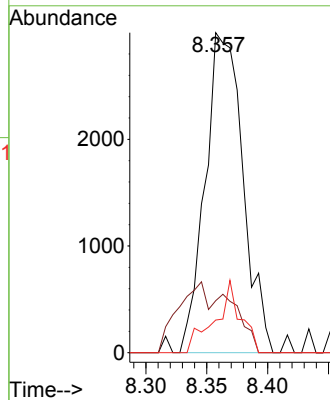
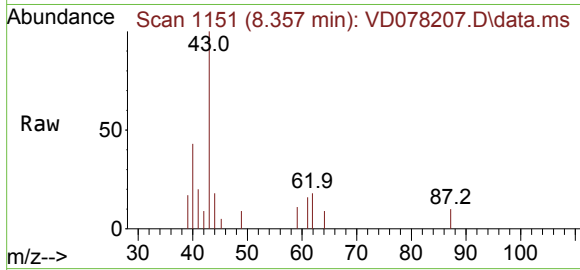
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 43	Resp: 6477
Ion Ratio	Lower Upper
43	100
61	0.0 31.4 47.0#
87	15.4 14.9 22.3



#44

Trichloroethene

Concen: 4.084 ug/l

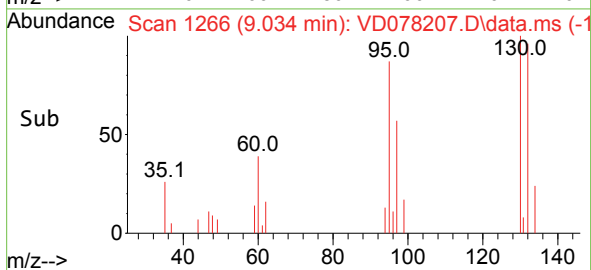
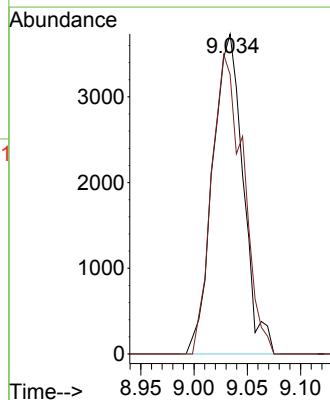
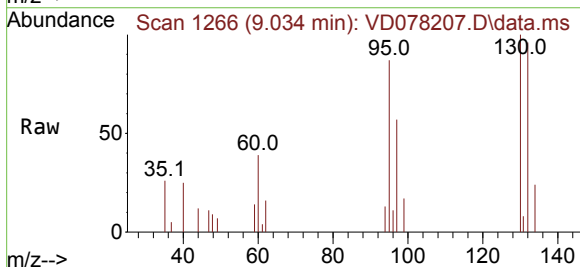
RT: 9.034 min Scan# 1266

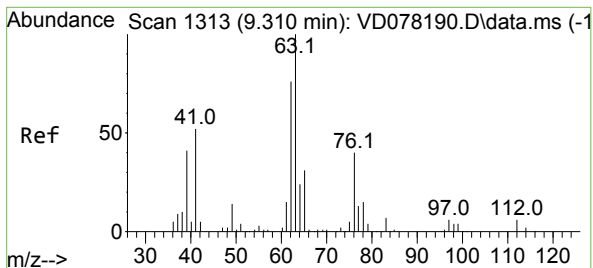
Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Tgt Ion: 130	Resp: 7411
Ion Ratio	Lower Upper
130	100
95	87.3 0.0 179.2





#45

1,2-Dichloropropane

Concen: 3.838 ug/l

RT: 9.310 min Scan# 1313

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

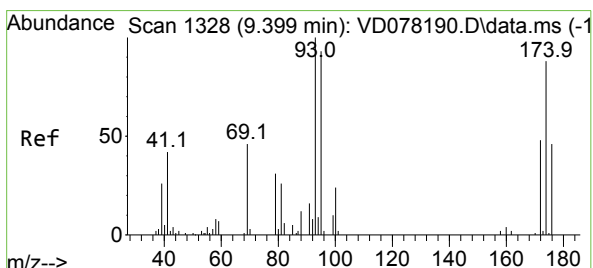
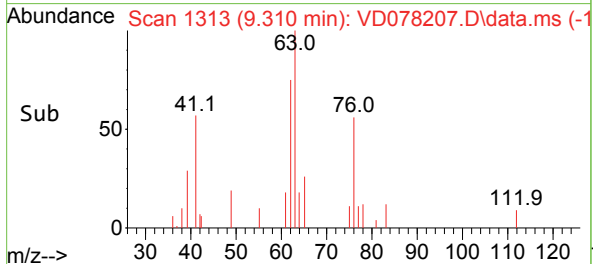
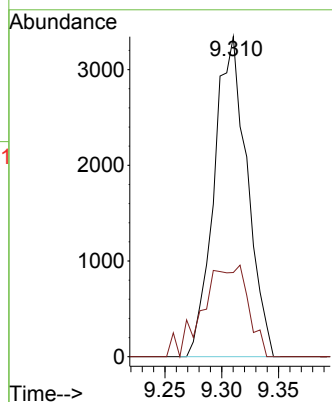
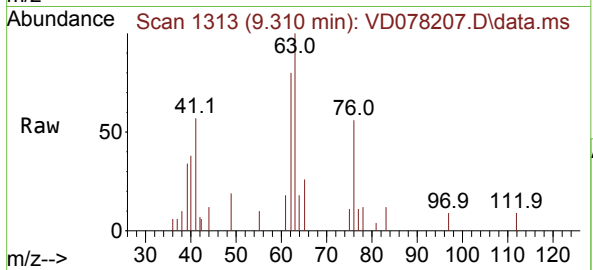
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 63 Resp: 6756

Ion Ratio Lower Upper

63 100

65 26.3 24.5 36.7



#46

Dibromomethane

Concen: 4.234 ug/l

RT: 9.404 min Scan# 1329

Delta R.T. 0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

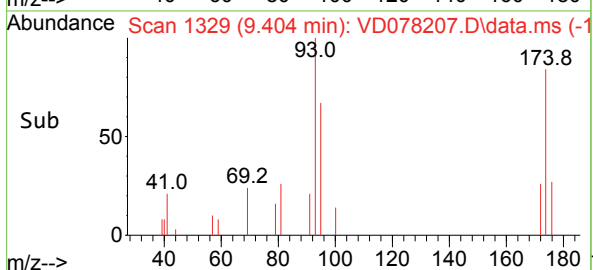
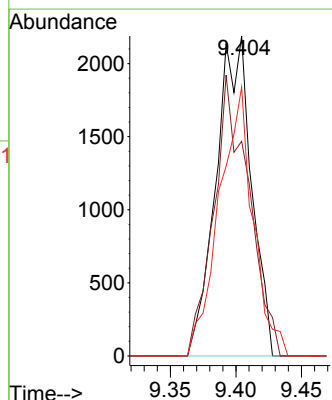
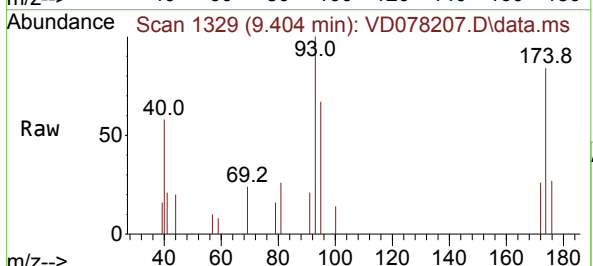
Tgt Ion: 93 Resp: 4093

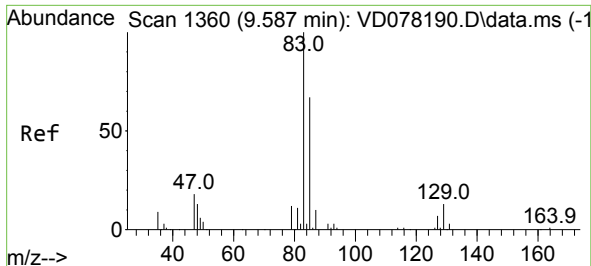
Ion Ratio Lower Upper

93 100

95 86.8 67.7 101.5

174 80.7 85.4 128.2#

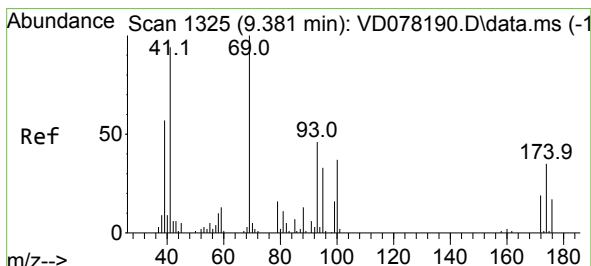
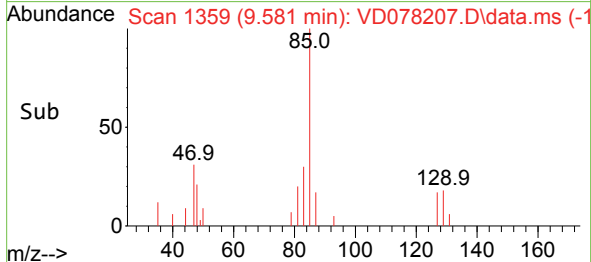
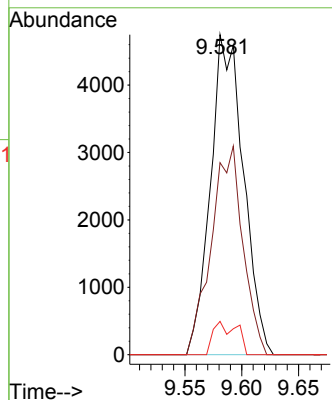
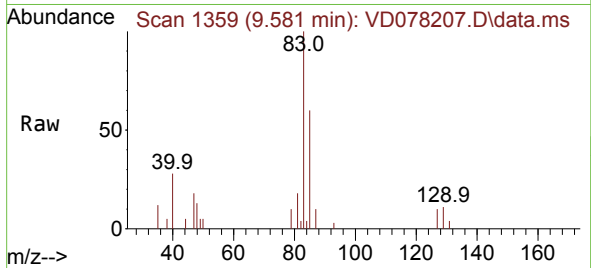




#47
Bromodichloromethane
Concen: 3.938 ug/l
RT: 9.581 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

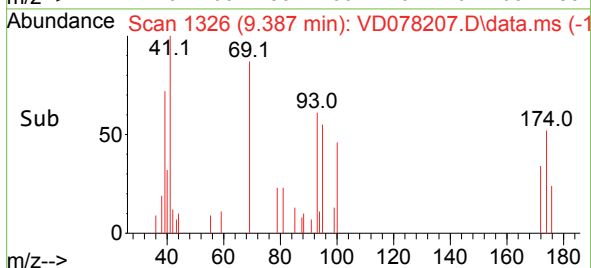
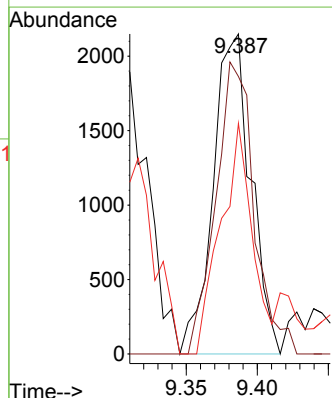
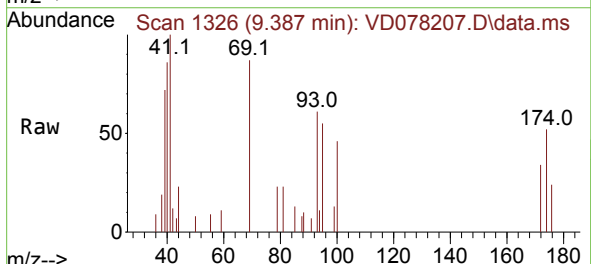
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

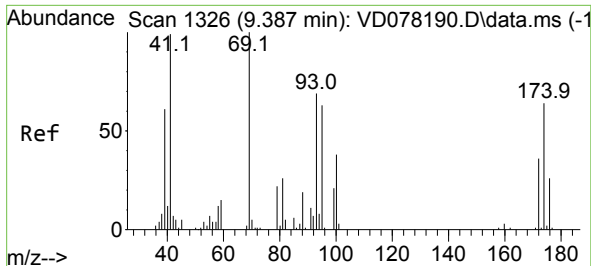
Tgt Ion: 83 Resp: 9563
Ion Ratio Lower Upper
83 100
85 60.0 50.2 75.4
127 10.4 6.3 9.5#



#48
Methyl methacrylate
Concen: 4.029 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 41 Resp: 3977
Ion Ratio Lower Upper
41 100
69 92.6 102.2 153.2#
39 60.5 41.4 62.2





#49

1,4-Dioxane

Concen: 69.921 ug/l

RT: 9.369 min Scan# 1

Delta R.T. -0.018 min

Lab File: VD078207.D

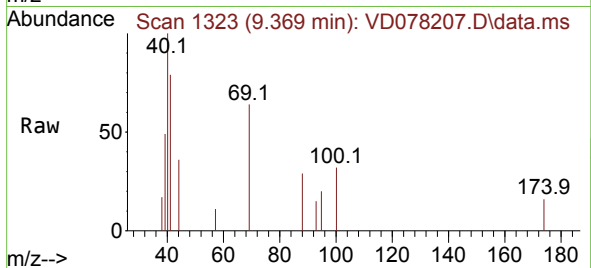
Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



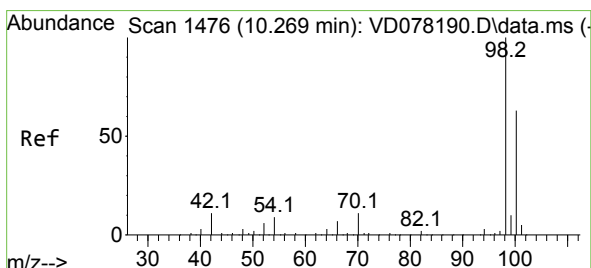
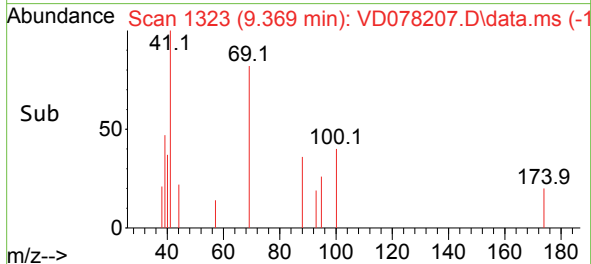
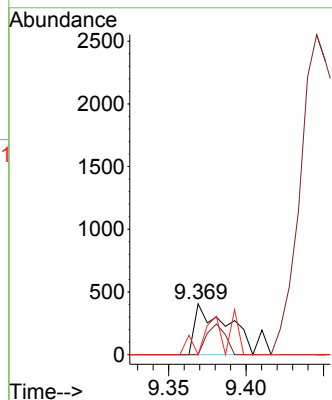
Tgt Ion: 88 Resp: 654

Ion Ratio Lower Upper

88 100

43 31.0 19.0 28.6#

58 37.5 43.5 65.3#



#50

Toluene-d8

Concen: 49.739 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD078207.D

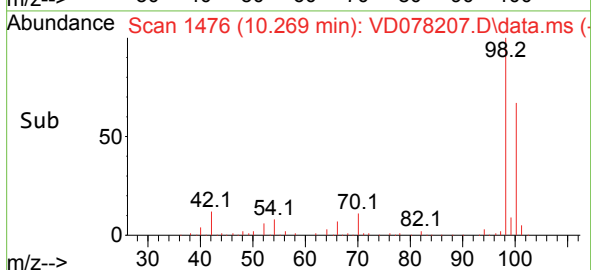
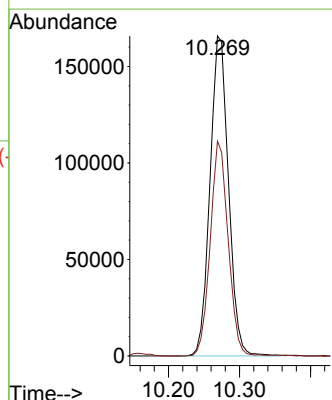
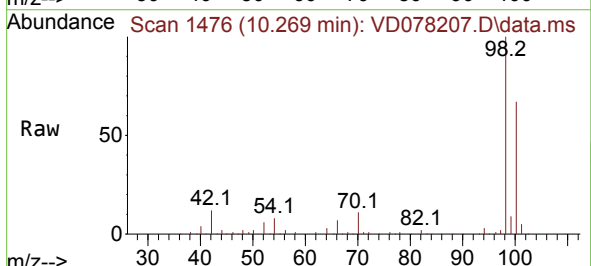
Acq: 23 Jan 2024 14:48

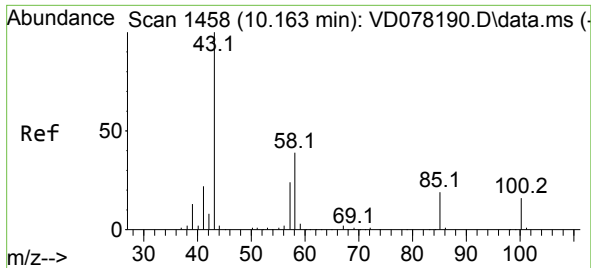
Tgt Ion: 98 Resp: 299371

Ion Ratio Lower Upper

98 100

100 65.0 50.3 75.5

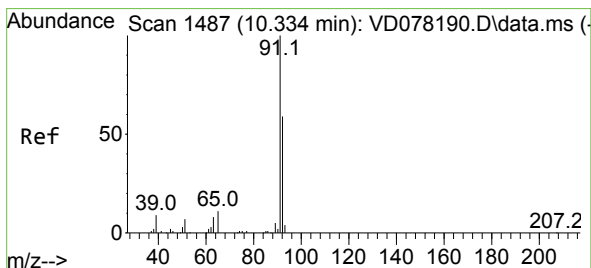
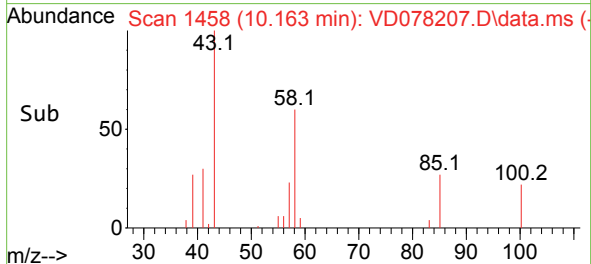
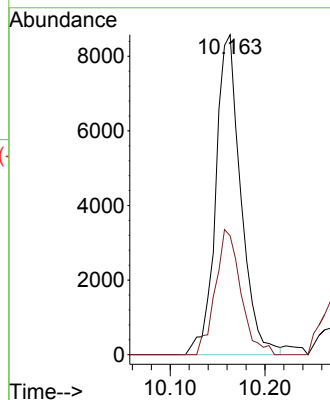
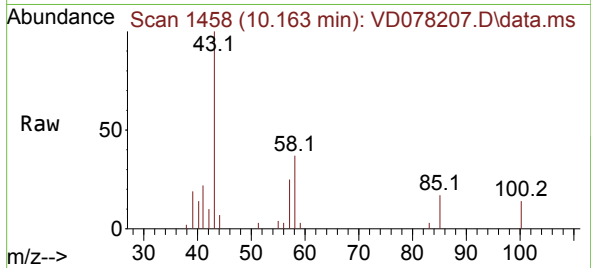




#51
4-Methyl-2-Pentanone
Concen: 17.637 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

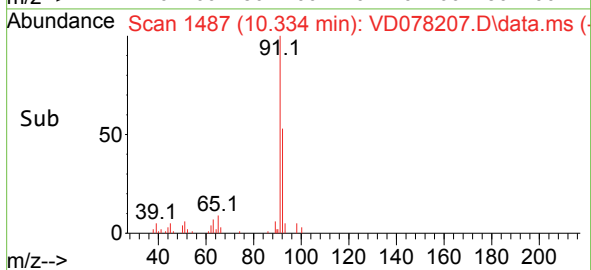
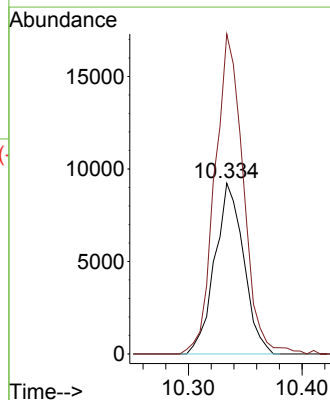
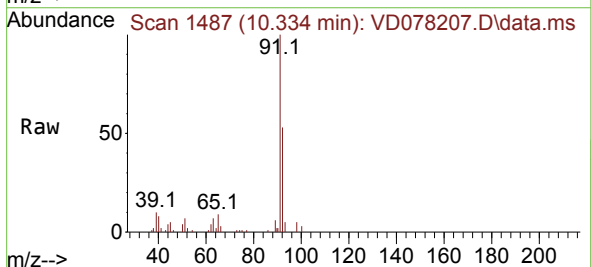
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

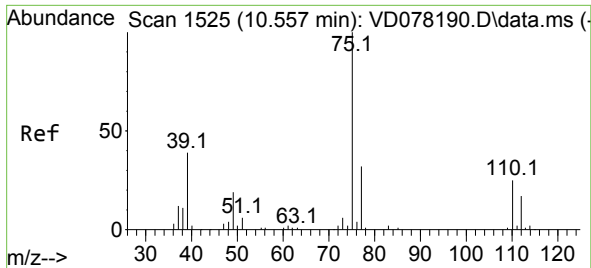
Tgt Ion: 43 Resp: 15801
Ion Ratio Lower Upper
43 100
58 39.5 38.9 58.3



#52
Toluene
Concen: 3.619 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 92 Resp: 16274
Ion Ratio Lower Upper
92 100
91 185.1 143.0 214.4

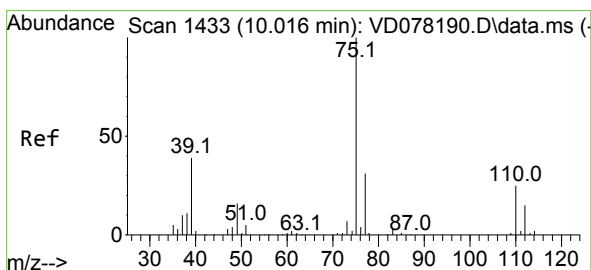
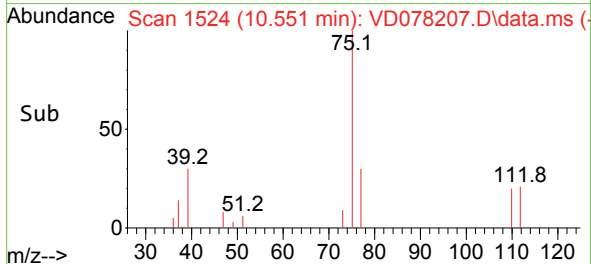
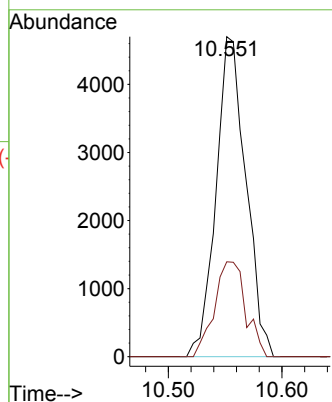
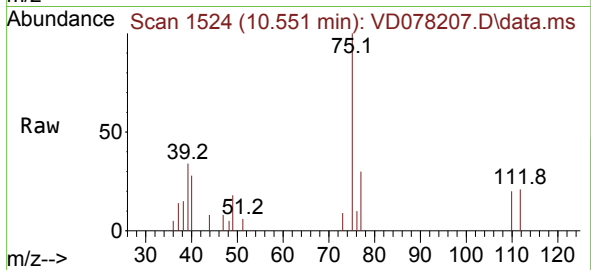




#53
t-1,3-Dichloropropene
Concen: 3.832 ug/l
RT: 10.551 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

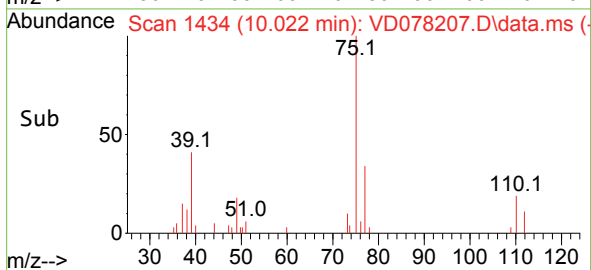
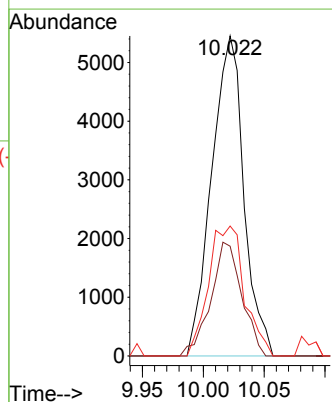
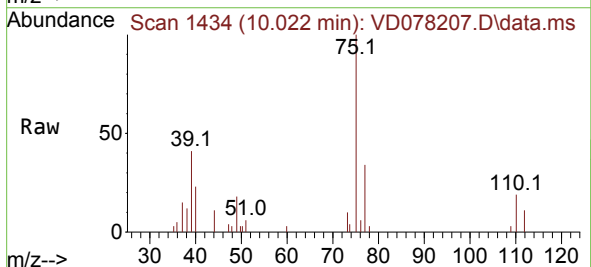
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

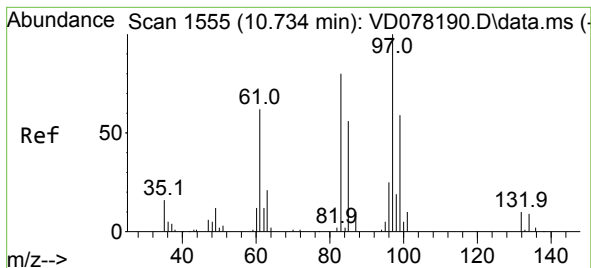
Tgt Ion: 75 Resp: 8584
Ion Ratio Lower Upper
75 100
77 29.6 25.3 37.9



#54
cis-1,3-Dichloropropene
Concen: 3.729 ug/l
RT: 10.022 min Scan# 1434
Delta R.T. 0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 75 Resp: 10014
Ion Ratio Lower Upper
75 100
77 34.3 25.5 38.3
39 40.6 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 3.842 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD078207.D

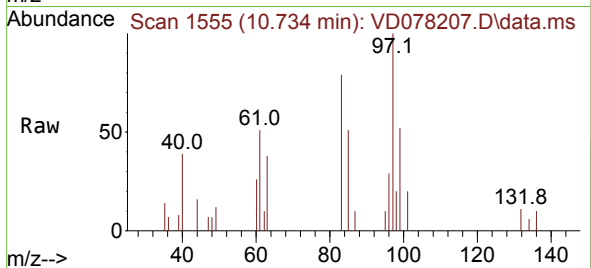
Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



Tgt Ion: 97 Resp: 4969

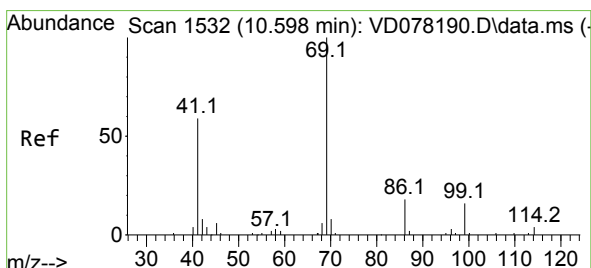
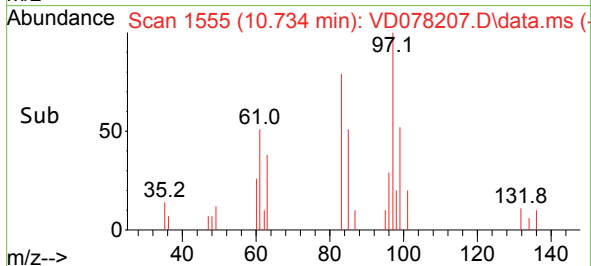
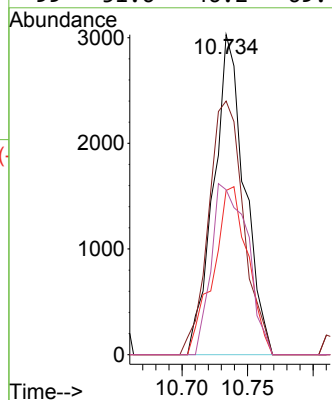
Ion Ratio Lower Upper

97 100

83 79.2 65.8 98.6

85 51.3 45.7 68.5

99 51.6 46.2 69.4



#56

Ethyl methacrylate

Concen: 3.704 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

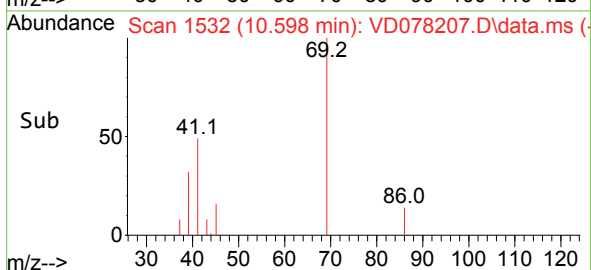
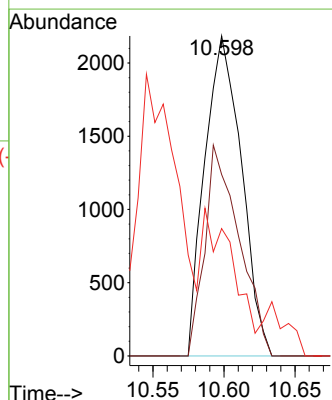
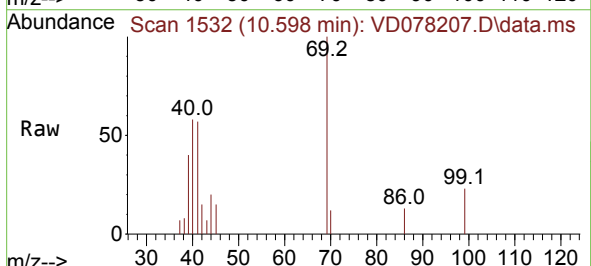
Tgt Ion: 69 Resp: 3922

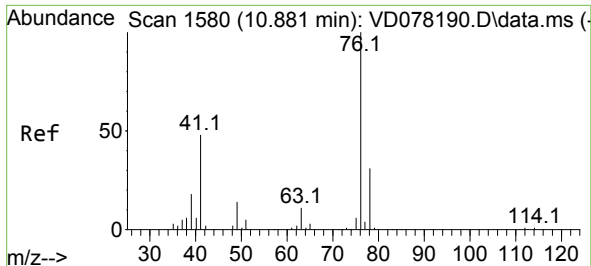
Ion Ratio Lower Upper

69 100

41 61.9 39.1 58.7#

39 30.1 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 3.865 ug/l

RT: 10.881 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

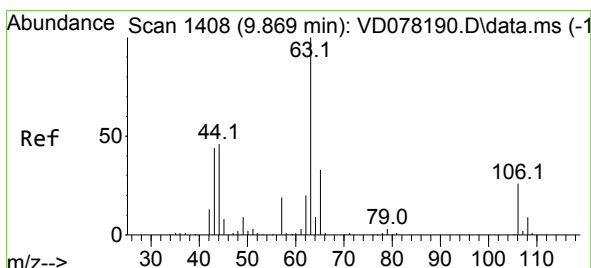
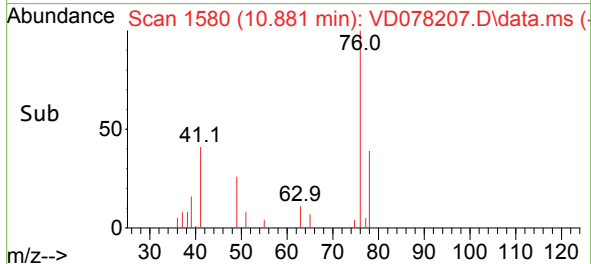
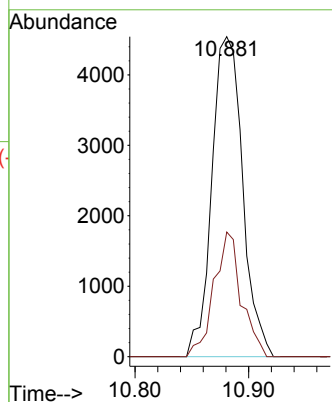
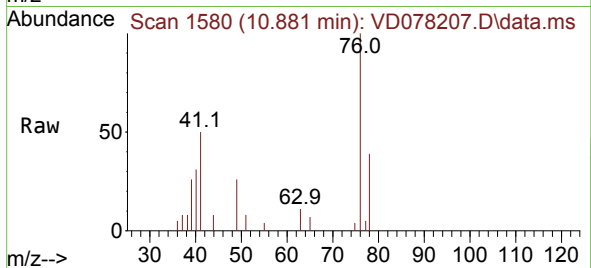
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 76 Resp: 8549

Ion Ratio Lower Upper

76 100

78 34.6 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 18.486 ug/l

RT: 9.875 min Scan# 1409

Delta R.T. 0.006 min

Lab File: VD078207.D

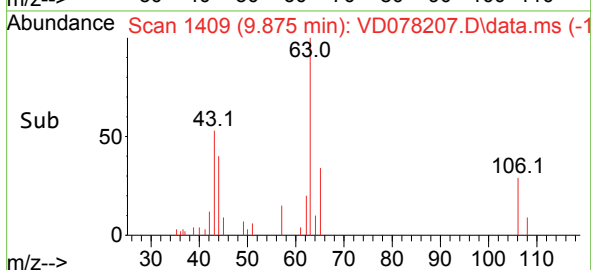
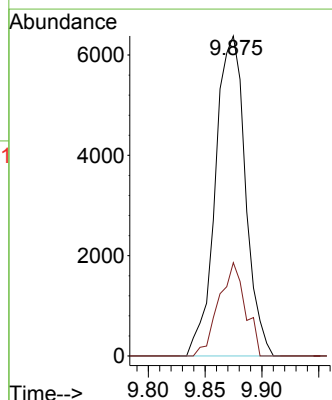
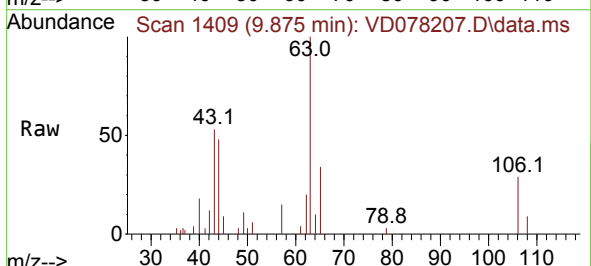
Acq: 23 Jan 2024 14:48

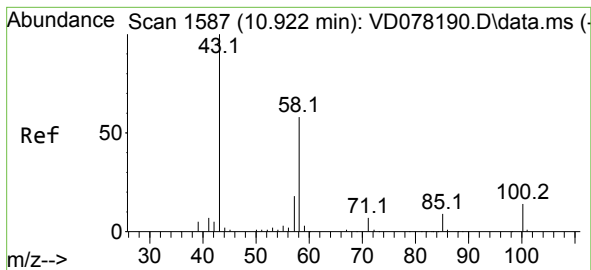
Tgt Ion: 63 Resp: 11730

Ion Ratio Lower Upper

63 100

106 25.8 25.3 37.9





#59

2-Hexanone

Concen: 16.974 ug/l

RT: 10.922 min Scan# 1587

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

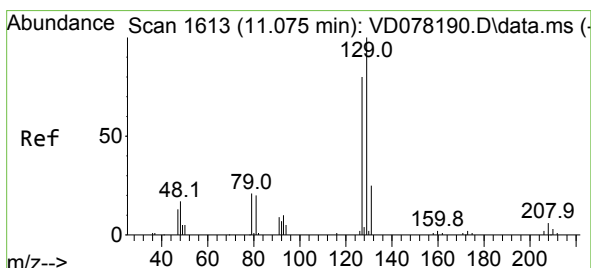
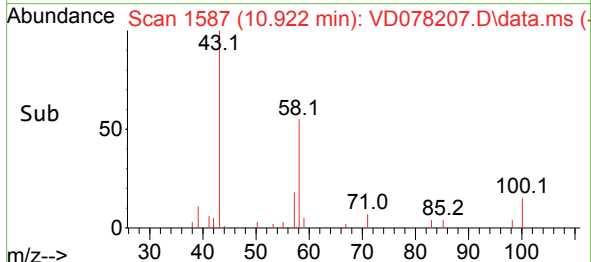
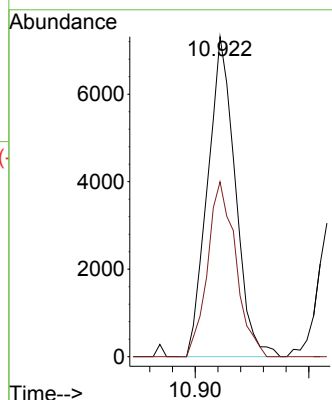
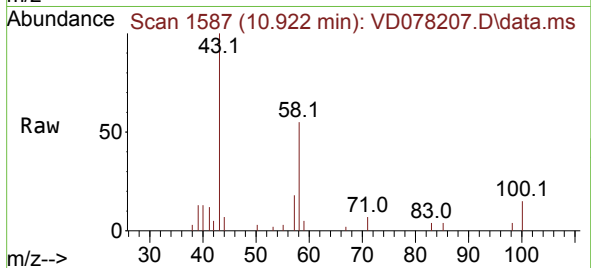
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 43 Resp: 12357

Ion Ratio Lower Upper

43 100

58 55.7 34.1 102.2



#60

Dibromochloromethane

Concen: 3.772 ug/l

RT: 11.075 min Scan# 1613

Delta R.T. -0.000 min

Lab File: VD078207.D

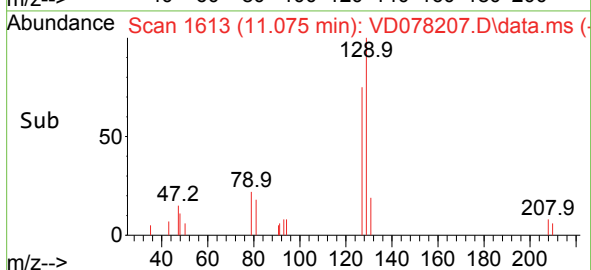
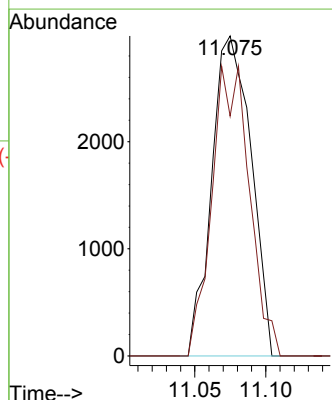
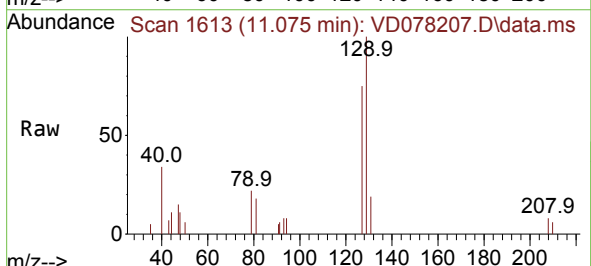
Acq: 23 Jan 2024 14:48

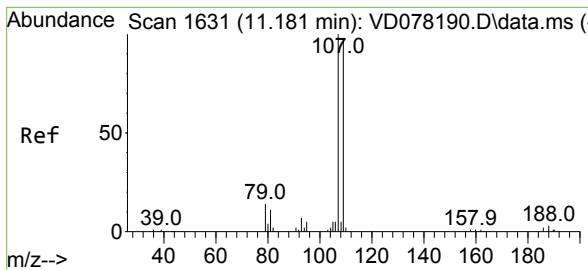
Tgt Ion: 129 Resp: 5753

Ion Ratio Lower Upper

129 100

127 86.1 37.1 111.5

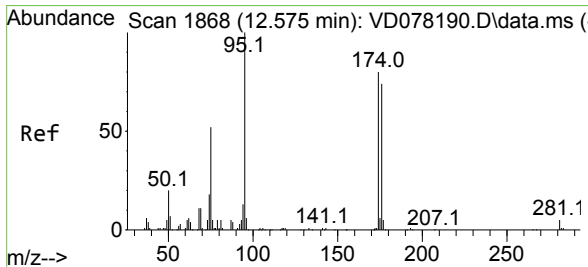
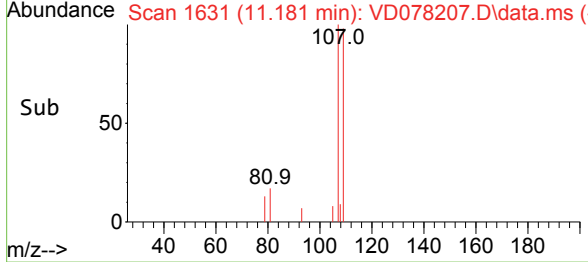
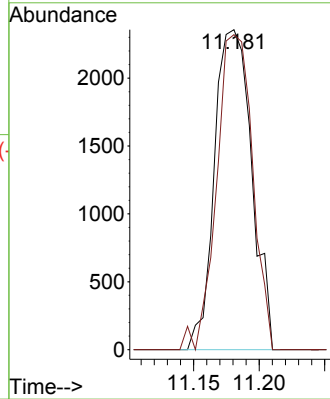
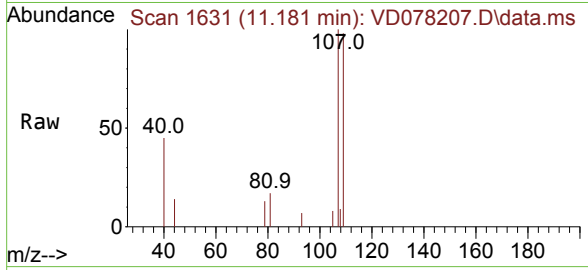




#61
1,2-Dibromoethane
Concen: 3.895 ug/l
RT: 11.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

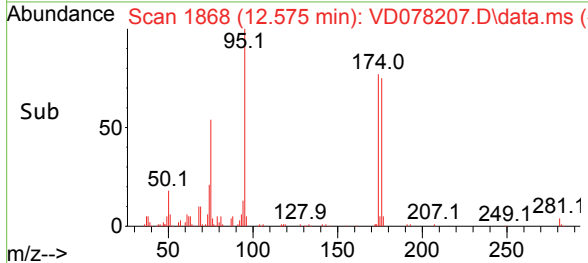
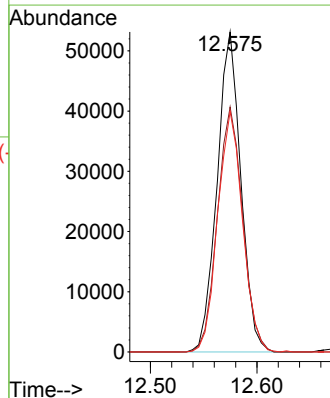
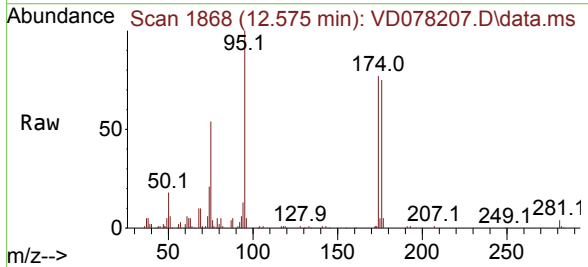
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

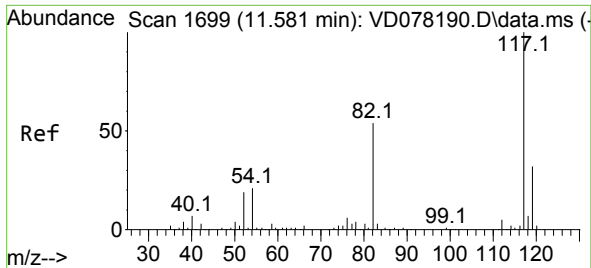
Tgt Ion:107 Resp: 4644
Ion Ratio Lower Upper
107 100
109 95.0 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 47.153 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 95 Resp: 82305
Ion Ratio Lower Upper
95 100
174 81.2 0.0 201.8
176 78.7 0.0 191.8

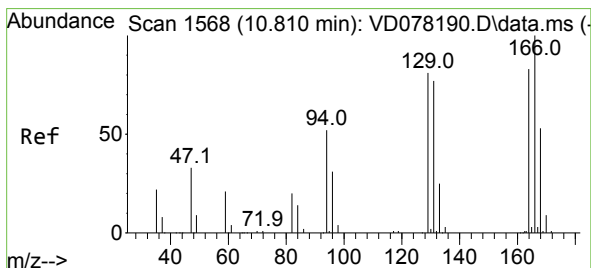
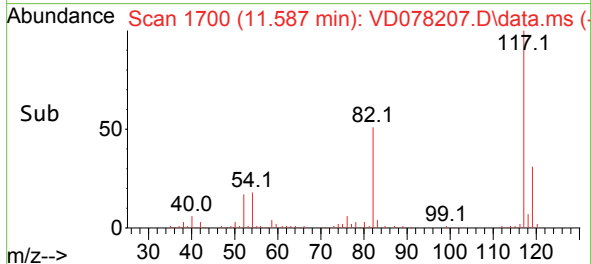
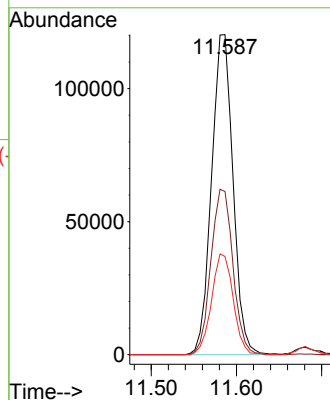
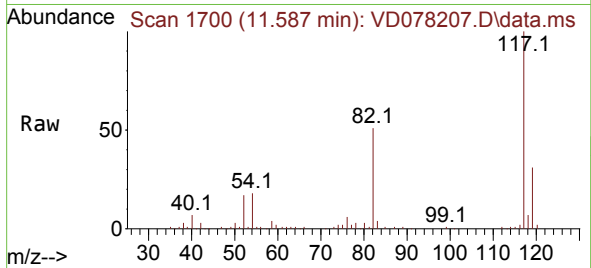




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

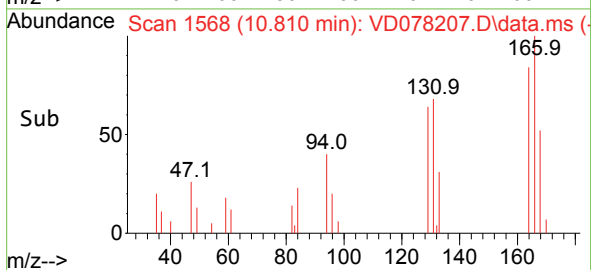
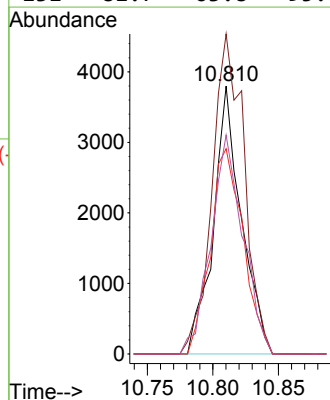
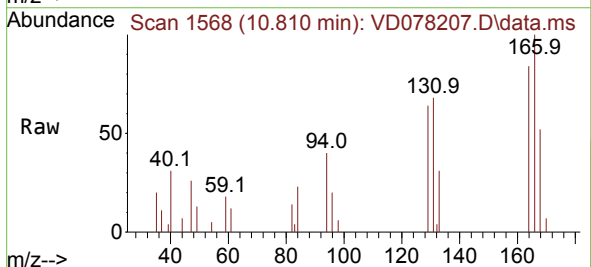
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

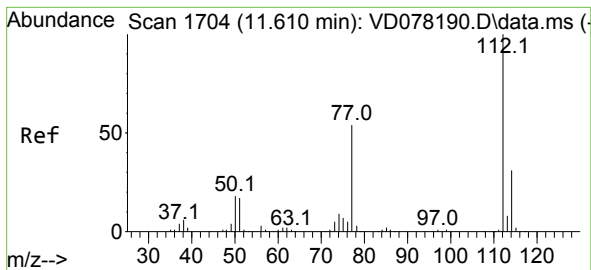
Tgt Ion:117 Resp: 210451
Ion Ratio Lower Upper
117 100
82 51.0 38.3 57.5
119 30.7 25.0 37.4



#64
Tetrachloroethene
Concen: 4.098 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion:164 Resp: 5639
Ion Ratio Lower Upper
164 100
166 119.5 99.2 148.8
129 76.6 68.4 102.6
131 81.7 63.8 95.8





#65

Chlorobenzene

Concen: 3.865 ug/l

RT: 11.604 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

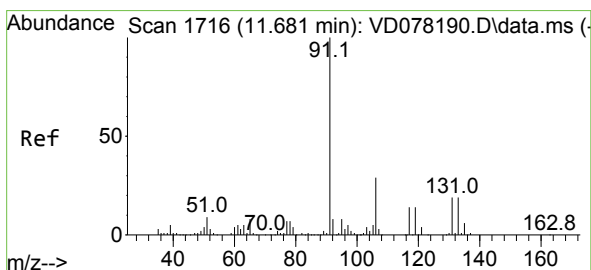
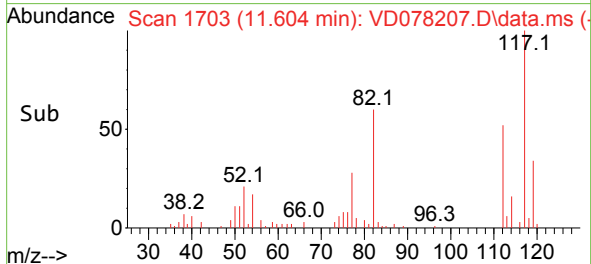
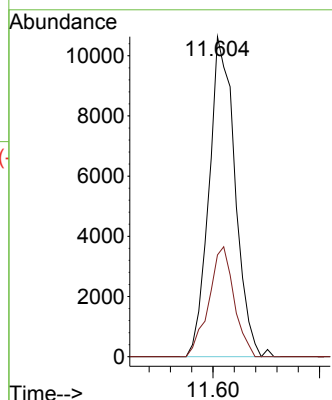
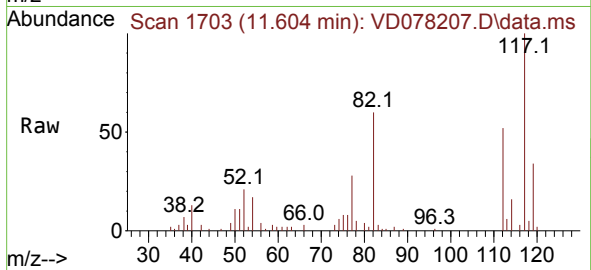
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:112 Resp: 17970

Ion Ratio Lower Upper

112 100

114 31.8 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 3.799 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

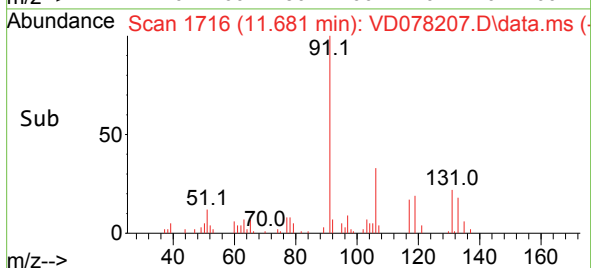
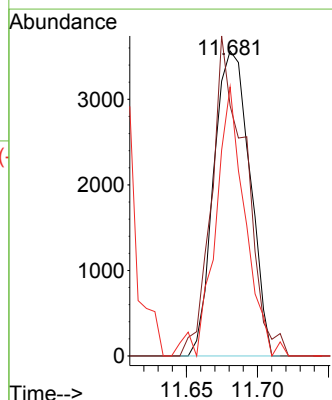
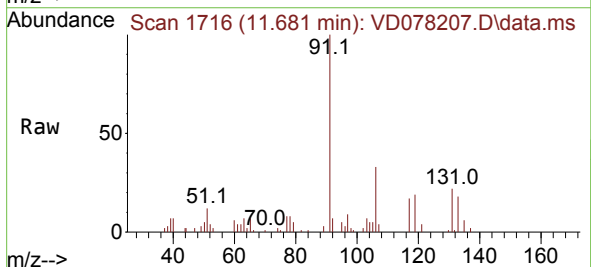
Tgt Ion:131 Resp: 6311

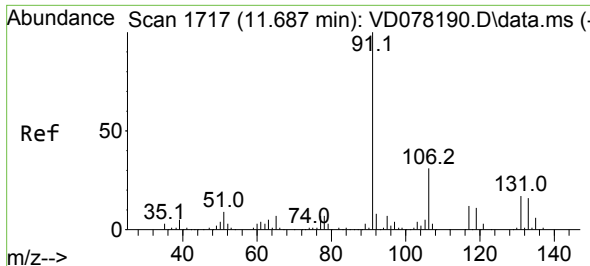
Ion Ratio Lower Upper

131 100

133 97.9 48.5 145.5

119 72.5 35.6 106.9

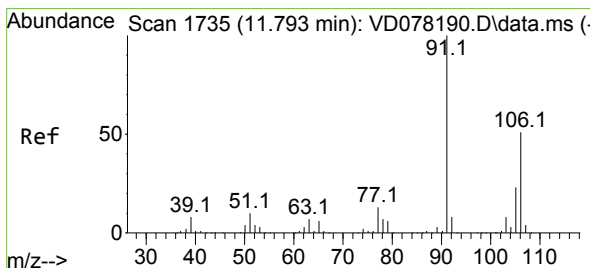
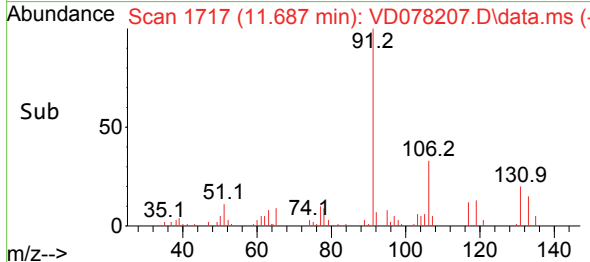
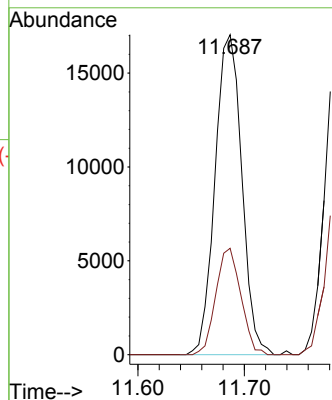
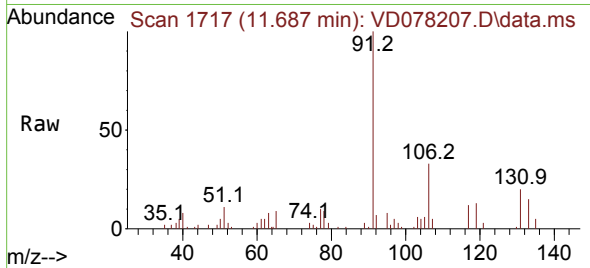




#67
Ethyl Benzene
Concen: 3.510 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

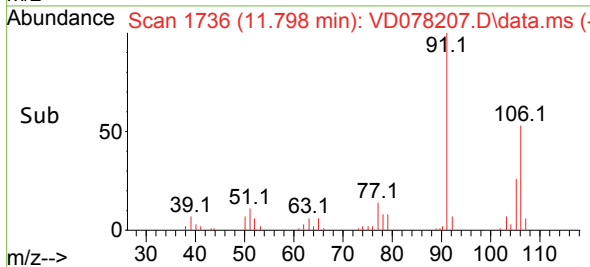
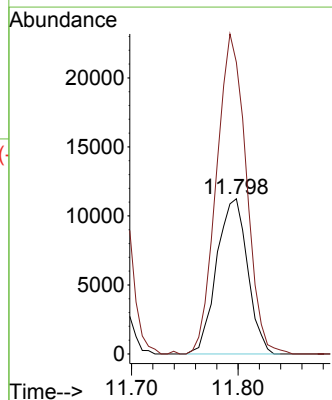
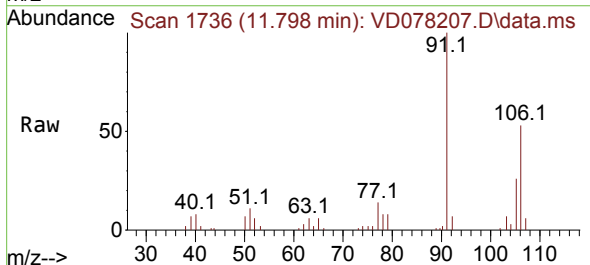
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

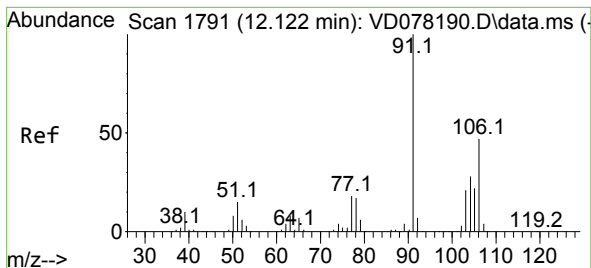
Tgt Ion: 91 Resp: 29695
Ion Ratio Lower Upper
91 100
106 33.2 26.5 39.7



#68
m/p-Xylenes
Concen: 7.005 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion:106 Resp: 22633
Ion Ratio Lower Upper
106 100
91 198.8 147.0 220.6





#69

o-Xylene

Concen: 3.389 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

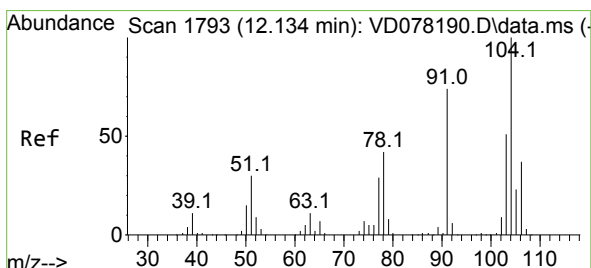
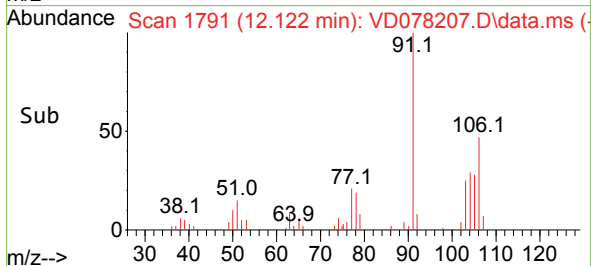
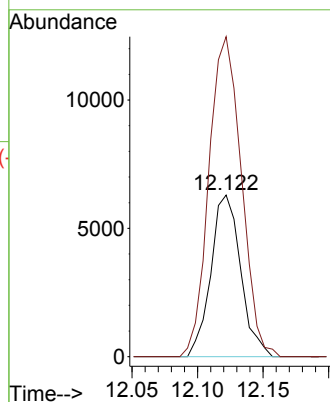
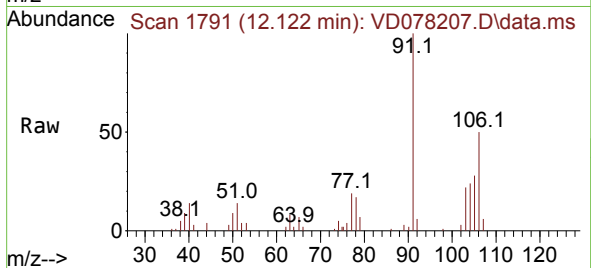
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:106 Resp: 9939

Ion Ratio Lower Upper

106 100

91 216.0 97.9 293.6



#70

Styrene

Concen: 3.275 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

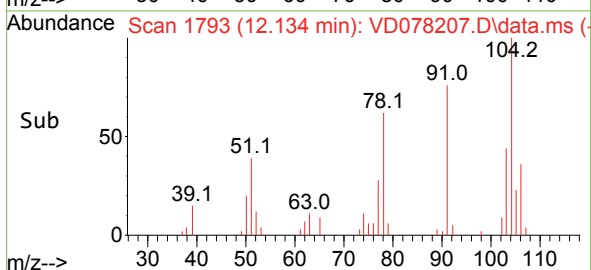
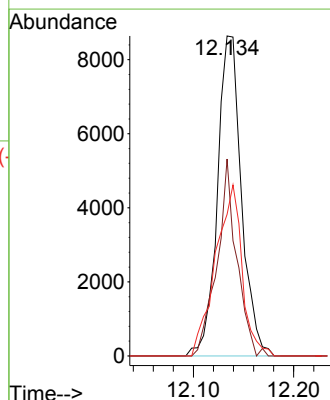
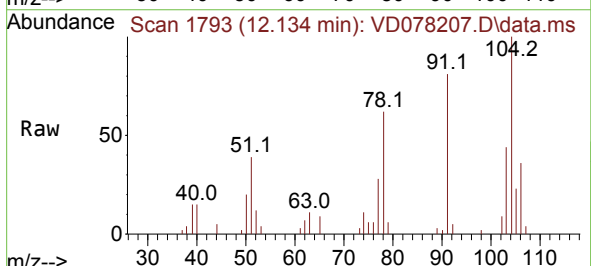
Tgt Ion:104 Resp: 14389

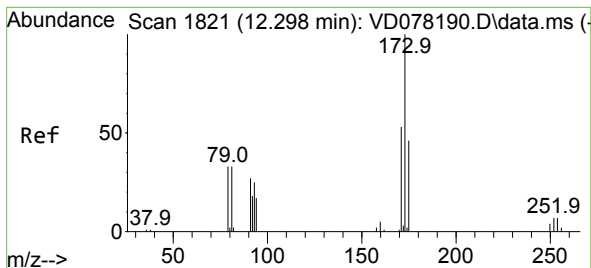
Ion Ratio Lower Upper

104 100

78 50.5 33.2 49.8#

103 58.9 43.6 65.4





#71

Bromoform

Concen: 3.126 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. -0.000 min

Lab File: VD078207.D

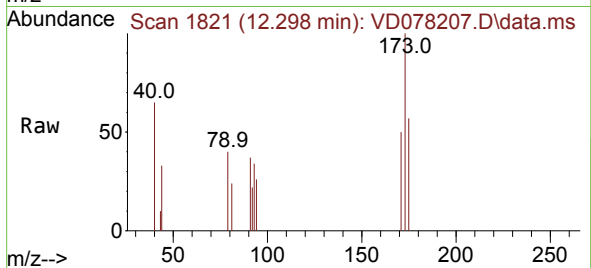
Acq: 23 Jan 2024 14:48

Instrument :

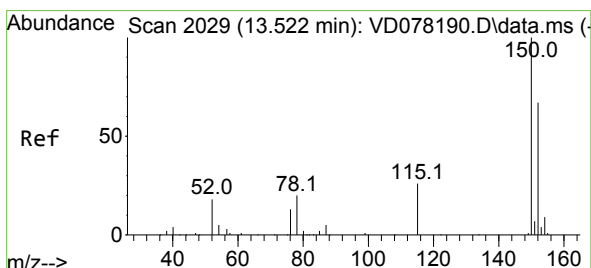
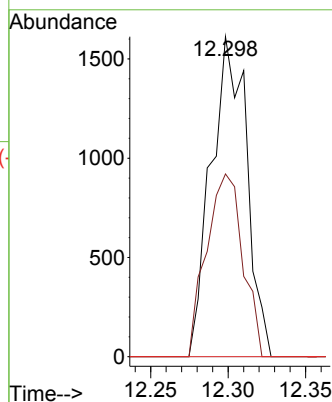
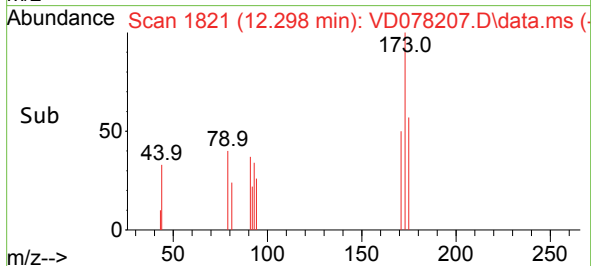
MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024



Tgt Ion:	173	Resp:	2572
Ion Ratio	Lower	Upper	
173	100		
175	58.4	24.6	73.8
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

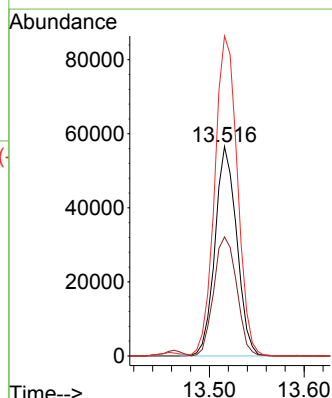
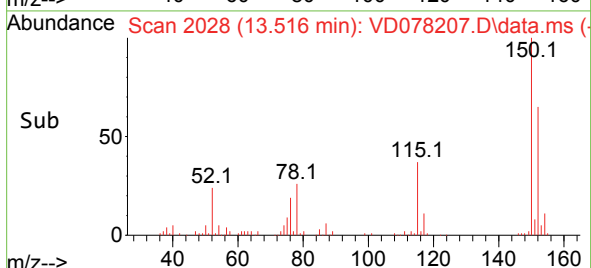
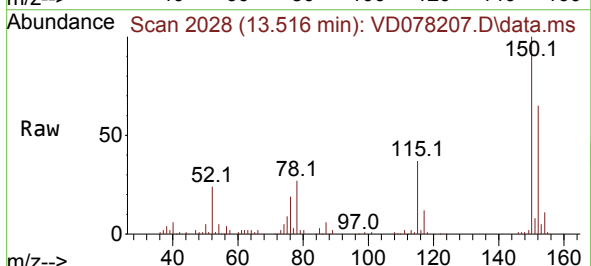
RT: 13.516 min Scan# 2028

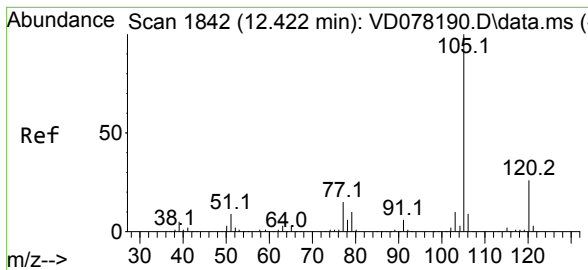
Delta R.T. -0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Tgt Ion:	152	Resp:	90168
Ion Ratio	Lower	Upper	
152	100		
115	60.3	27.1	81.3
150	159.6	0.0	353.6





#73

Isopropylbenzene

Concen: 3.738 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

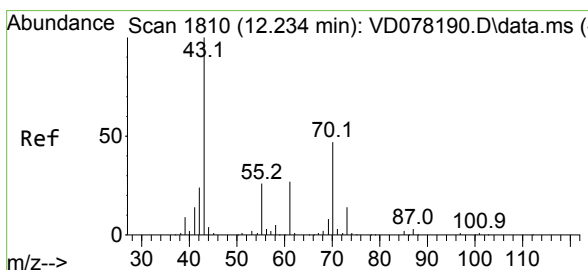
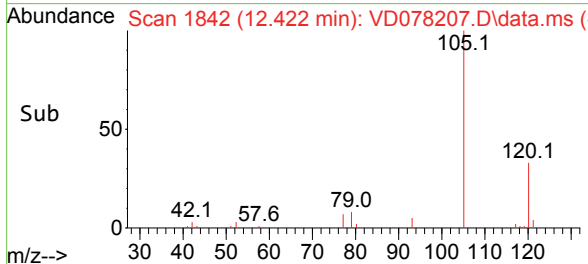
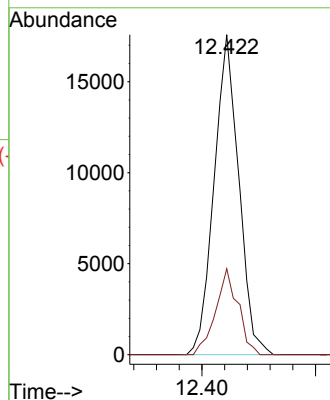
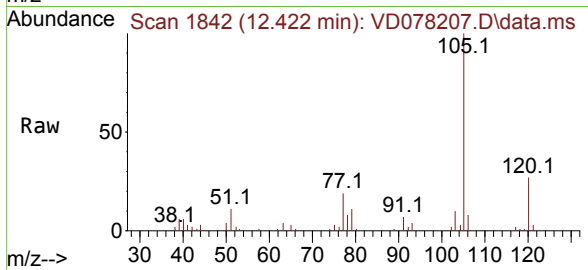
LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:105 Resp: 26501

Ion Ratio Lower Upper

105 100

120 24.4 14.3 42.9



#74

N-ethyl acetate

Concen: 4.360 ug/l

RT: 12.234 min Scan# 1810

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Tgt Ion: 43 Resp: 5914

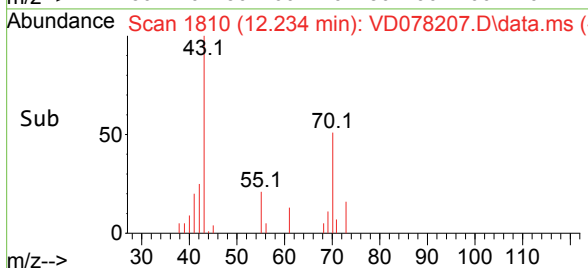
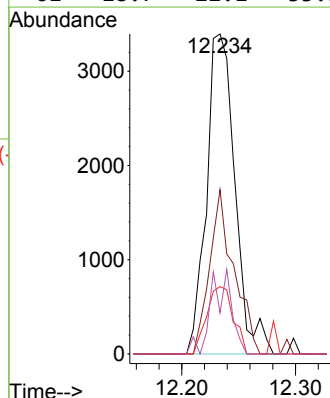
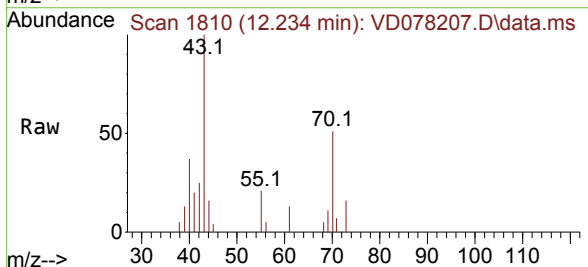
Ion Ratio Lower Upper

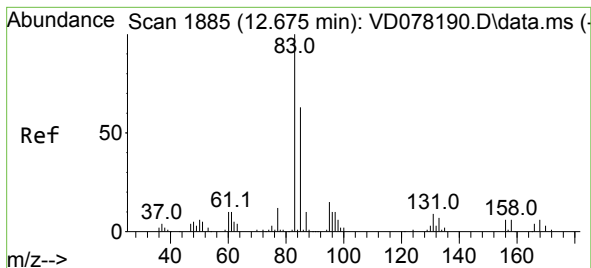
43 100

70 43.8 45.0 67.4#

55 19.5 23.8 35.6#

61 18.7 22.1 33.1#





#75

1,1,2,2-Tetrachloroethane

Concen: 4.557 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

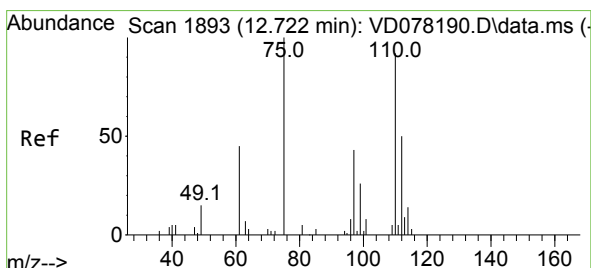
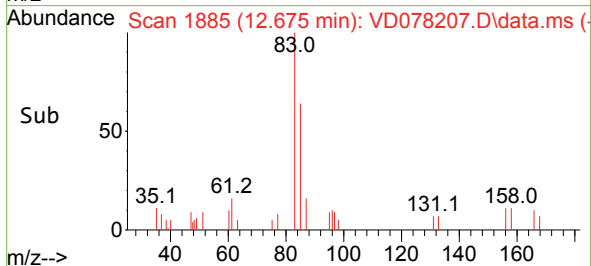
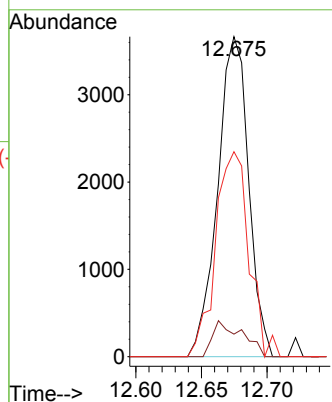
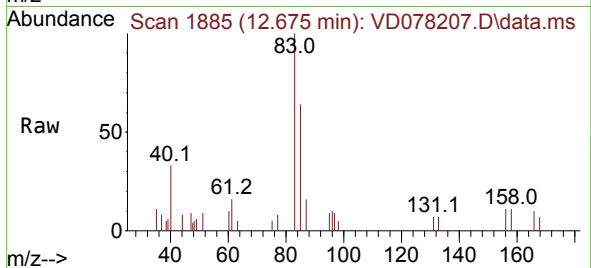
Tgt Ion: 83 Resp: 6011

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.3

85 69.0 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 8.052 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD078207.D

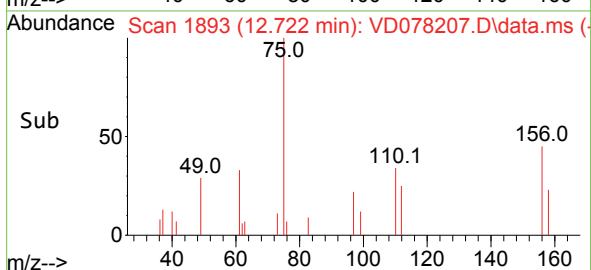
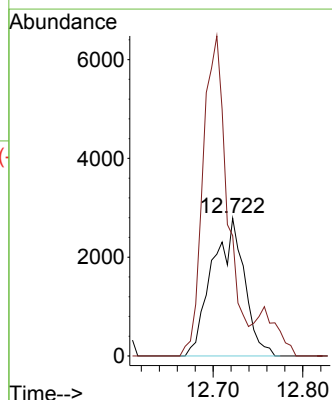
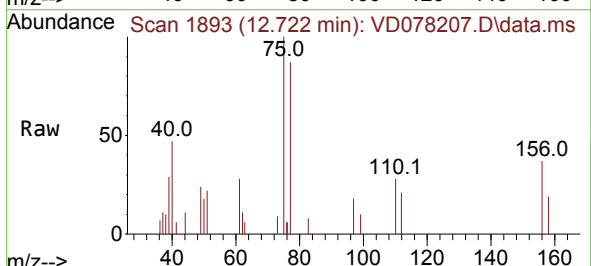
Acq: 23 Jan 2024 14:48

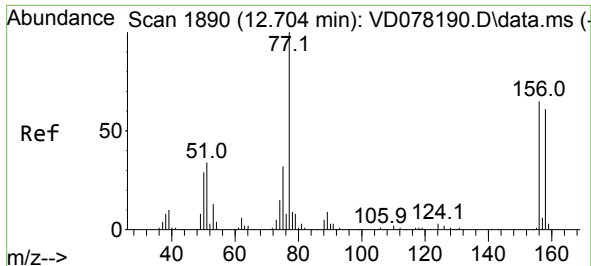
Tgt Ion: 75 Resp: 6964

Ion Ratio Lower Upper

75 100

77 176.2 0.0 0.0#

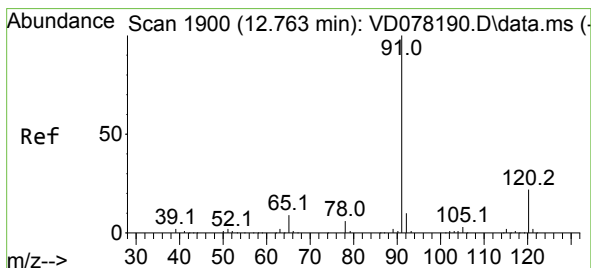
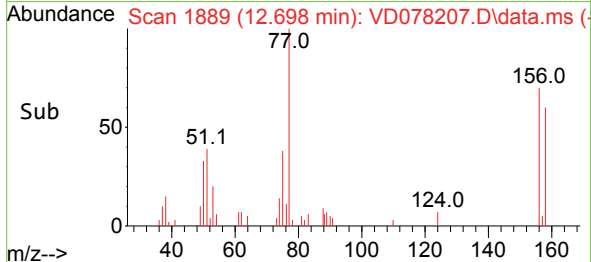
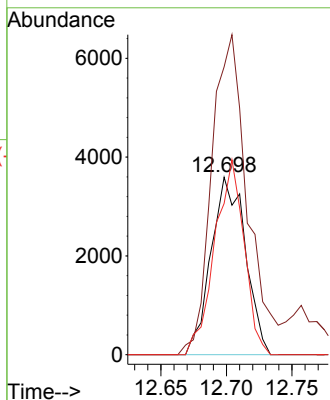
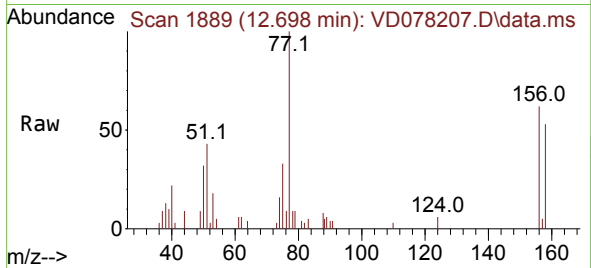




#77
Bromobenzene
Concen: 4.220 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

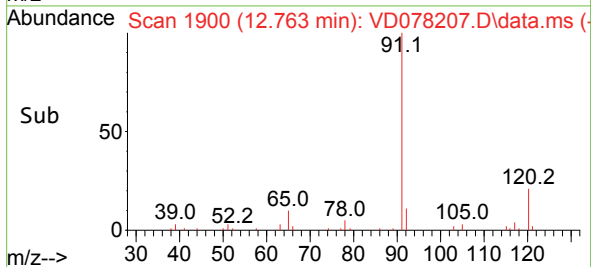
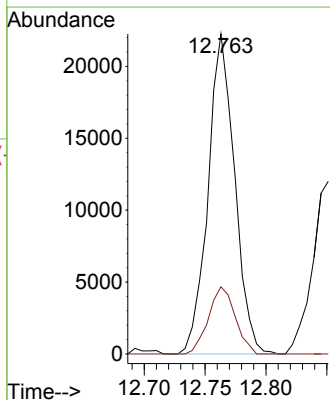
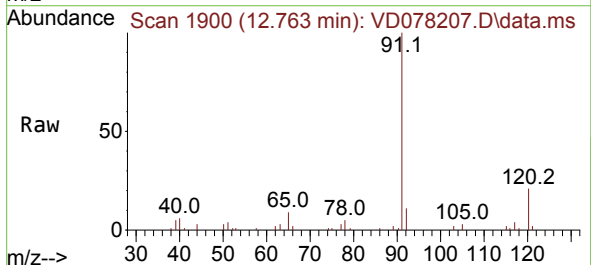
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

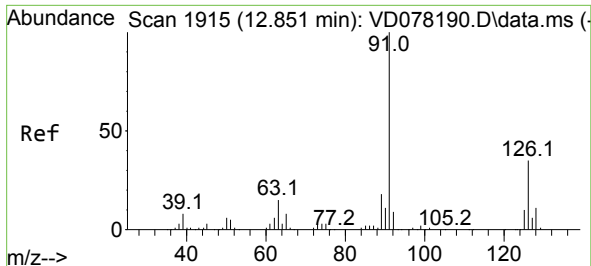
Tgt Ion:156 Resp: 6560
Ion Ratio Lower Upper
156 100
77 187.1 76.8 230.4
158 94.1 48.6 145.9



#78
n-propylbenzene
Concen: 3.851 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 91 Resp: 33861
Ion Ratio Lower Upper
91 100
120 21.1 12.4 37.2

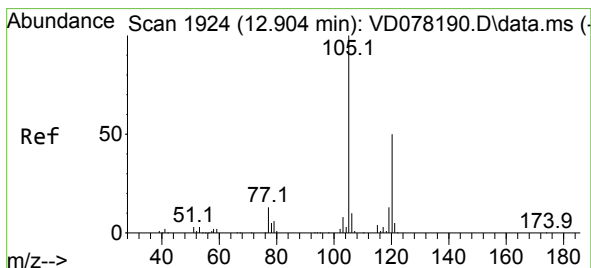
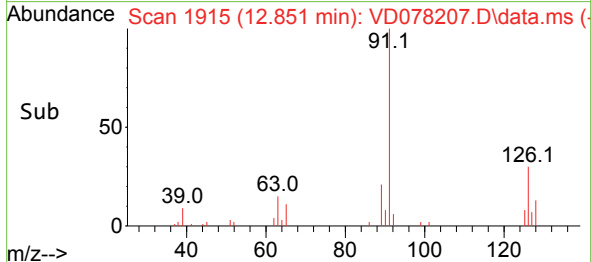
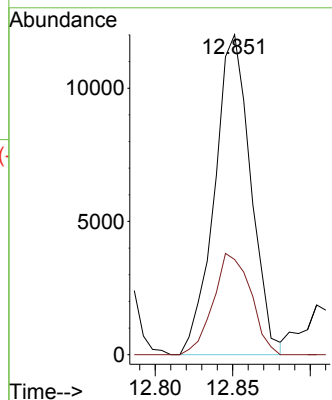
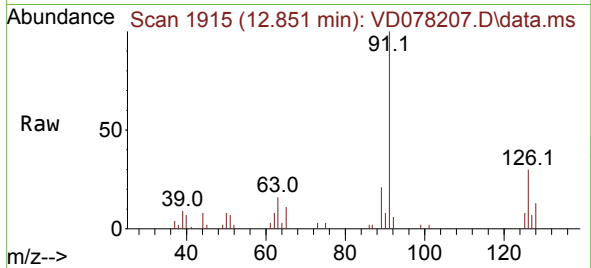




#79
2-Chlorotoluene
Concen: 4.166 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

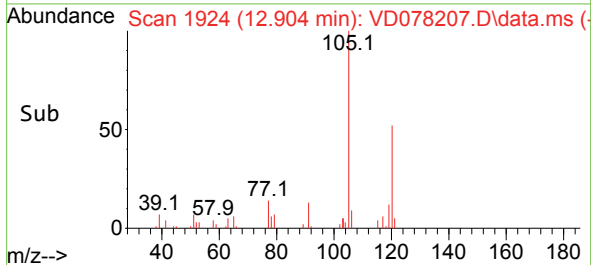
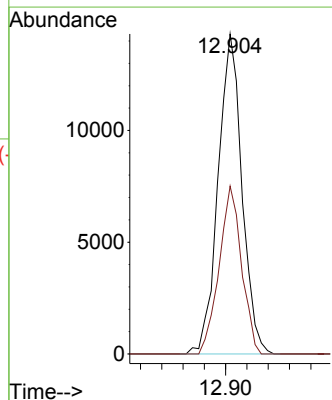
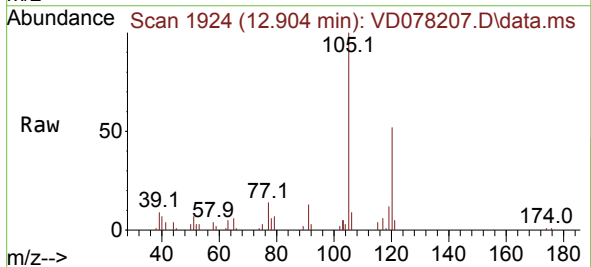
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

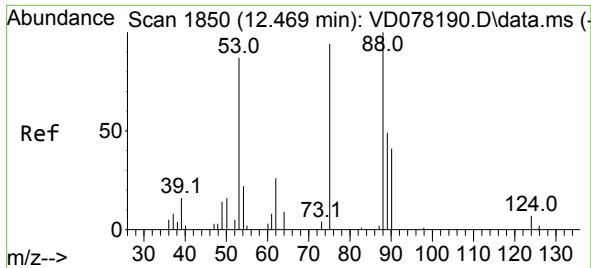
Tgt Ion: 91 Resp: 19547
Ion Ratio Lower Upper
91 100
126 32.7 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 3.778 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 105 Resp: 22209
Ion Ratio Lower Upper
105 100
120 49.2 26.4 79.2

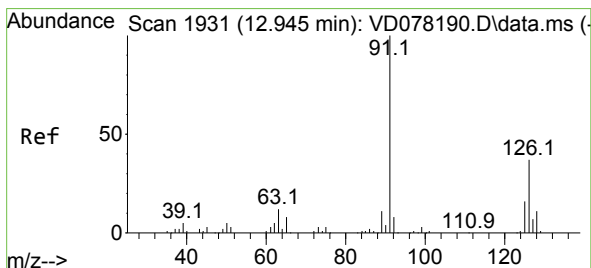
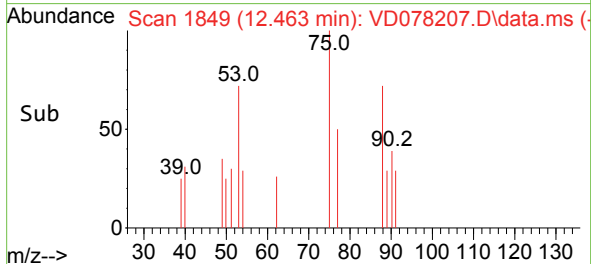
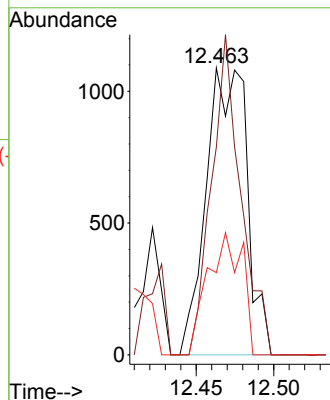
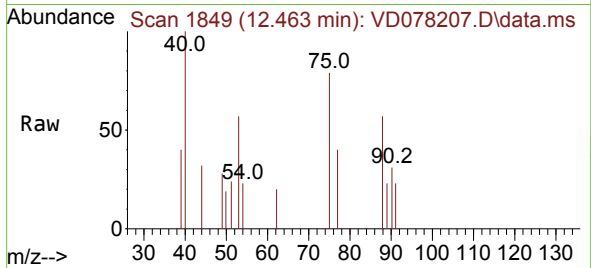




#81
trans-1,4-Dichloro-2-butene
Concen: 4.986 ug/l
RT: 12.463 min Scan# 1849
Delta R.T. -0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

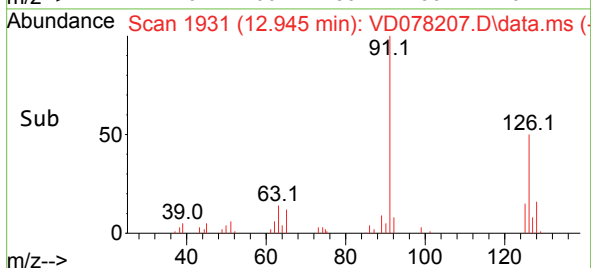
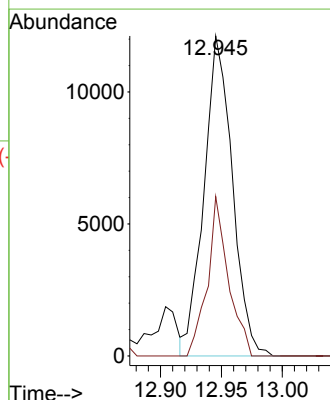
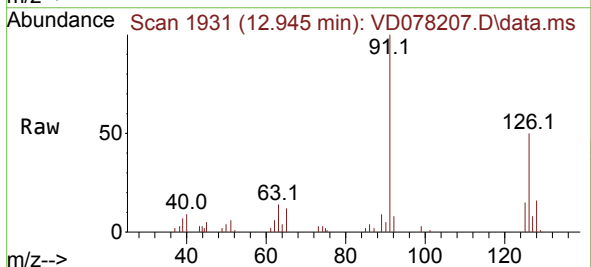
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

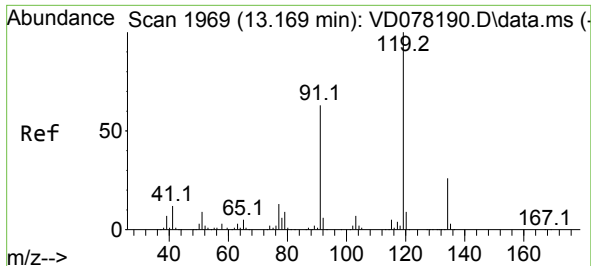
Tgt Ion: 75 Resp: 2002
Ion Ratio Lower Upper
75 100
53 79.7 63.0 94.4
89 35.6 37.9 56.9#



#82
4-Chlorotoluene
Concen: 3.970 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 91 Resp: 19638
Ion Ratio Lower Upper
91 100
126 36.8 19.4 58.4

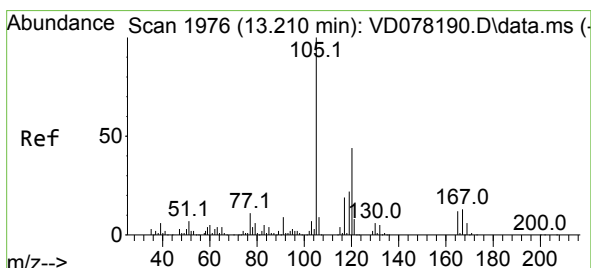
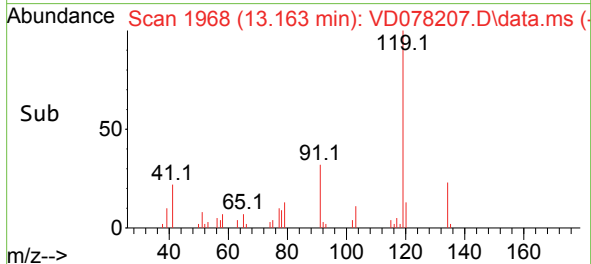
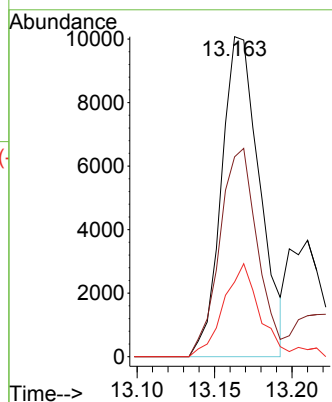
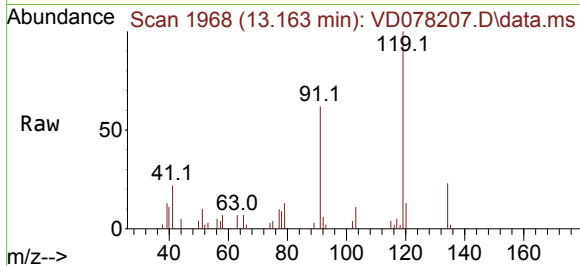




#83
tert-Butylbenzene
Concen: 3.518 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

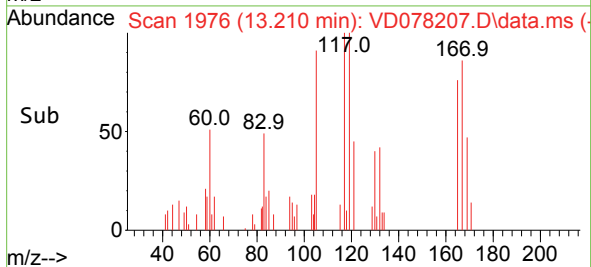
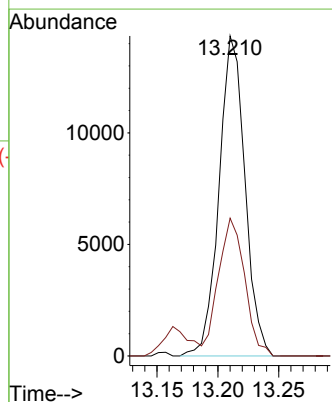
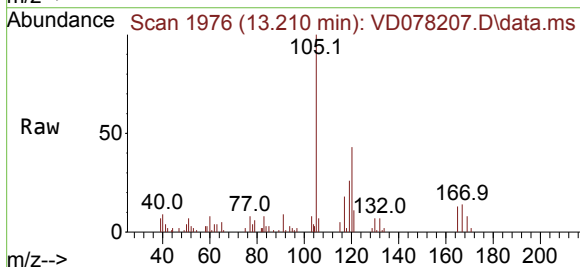
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

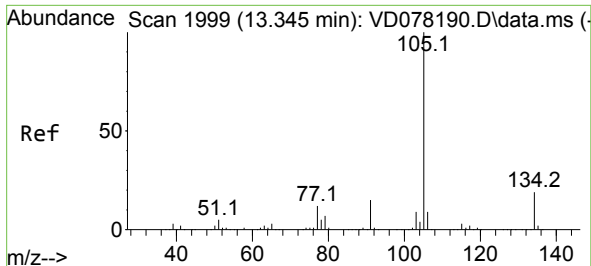
Tgt Ion:119	Resp:	17286
Ion	Ratio	Lower Upper
119	100	
91	64.4	29.3 87.8
134	27.1	14.1 42.3



#84
1,2,4-Trimethylbenzene
Concen: 3.573 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion:105	Resp:	21245
Ion	Ratio	Lower Upper
105	100	
120	43.7	24.3 72.9

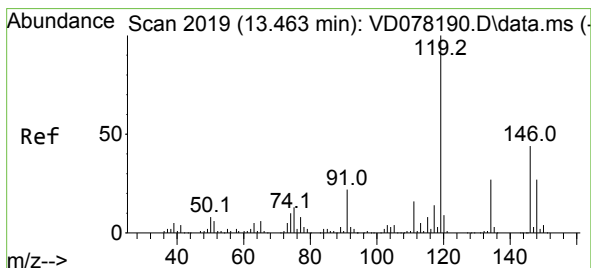
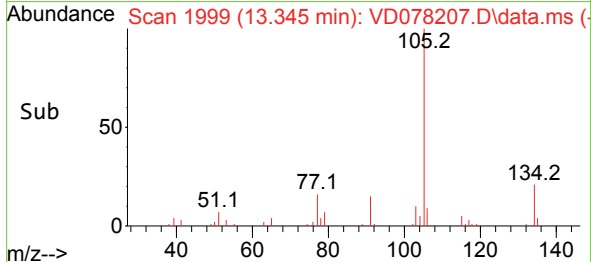
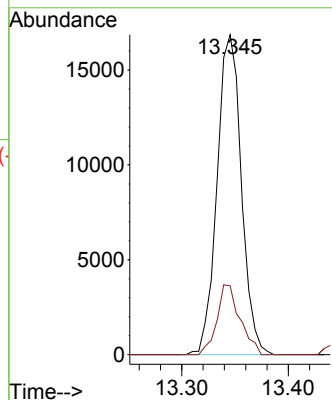
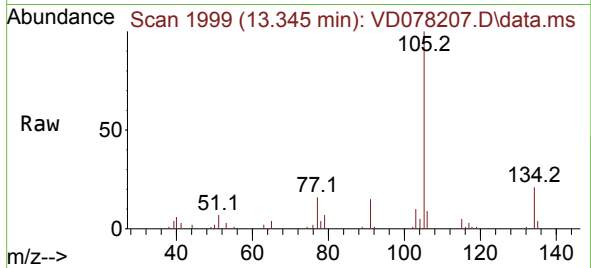




#85
 sec-Butylbenzene
 Concen: 3.582 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. -0.000 min
 Lab File: VD078207.D
 Acq: 23 Jan 2024 14:48

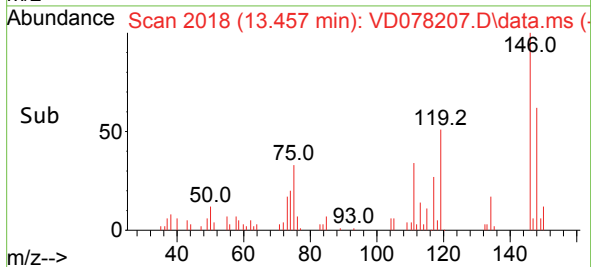
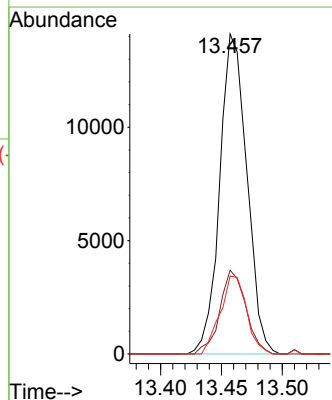
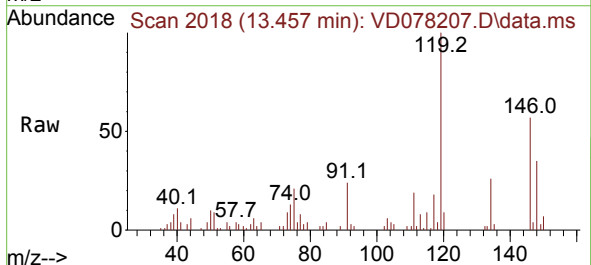
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2024

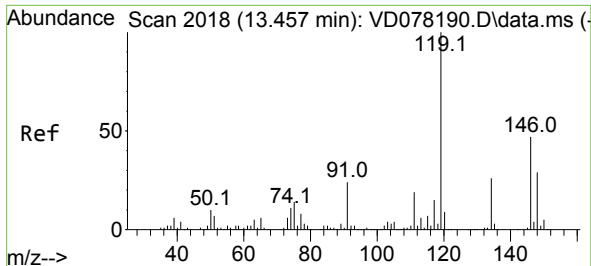
Tgt Ion:105 Resp: 26654
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.9 32.9



#86
 p-Isopropyltoluene
 Concen: 3.383 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. -0.006 min
 Lab File: VD078207.D
 Acq: 23 Jan 2024 14:48

Tgt Ion:119 Resp: 21905
 Ion Ratio Lower Upper
 119 100
 134 25.1 14.2 42.6
 91 23.7 10.5 31.5

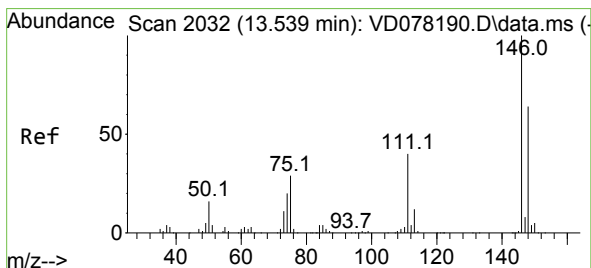
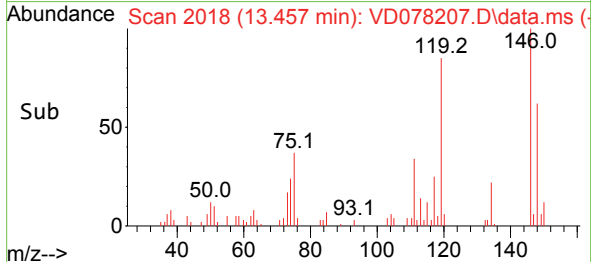
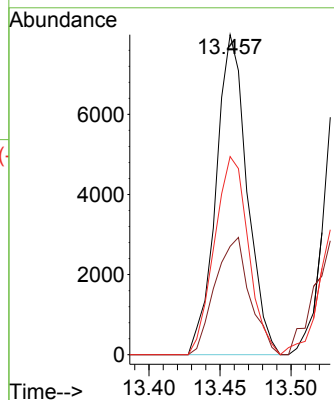
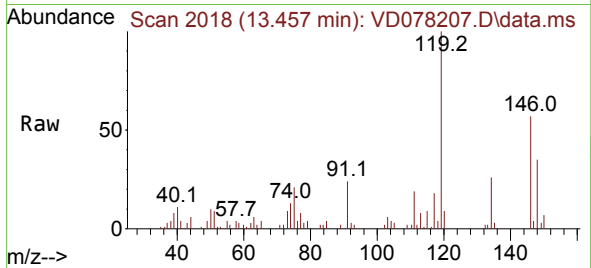




#87
1,3-Dichlorobenzene
Concen: 3.787 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

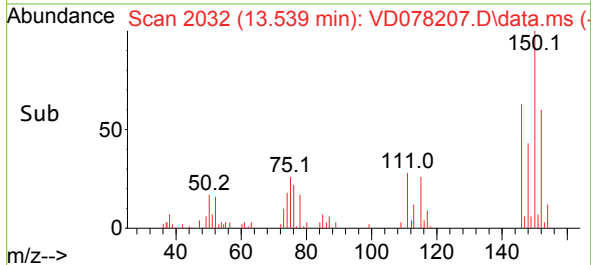
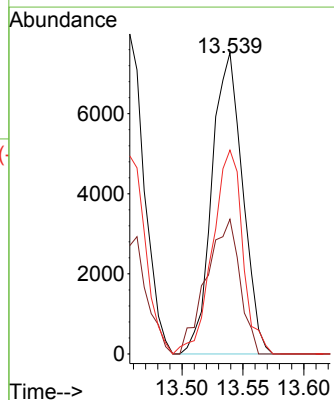
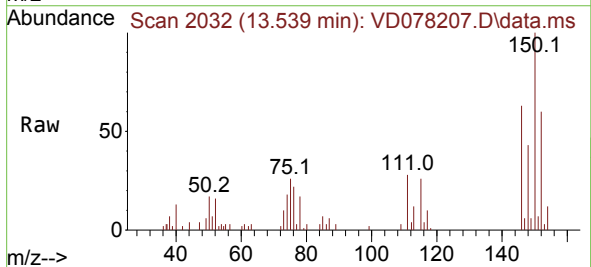
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

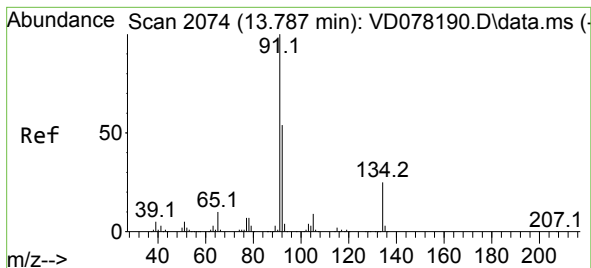
Tgt Ion:146 Resp: 12187
Ion Ratio Lower Upper
146 100
111 40.9 17.9 53.8
148 67.5 32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 4.149 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion:146 Resp: 13191
Ion Ratio Lower Upper
146 100
111 48.7 17.4 52.3
148 66.4 31.7 95.1





#89

n-Butylbenzene

Concen: 3.599 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

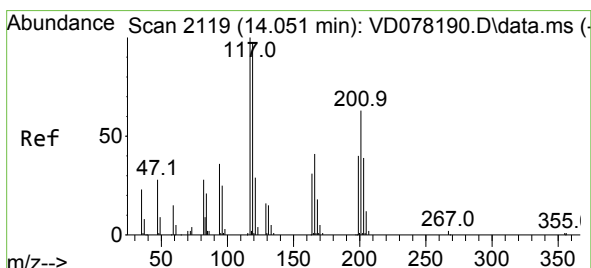
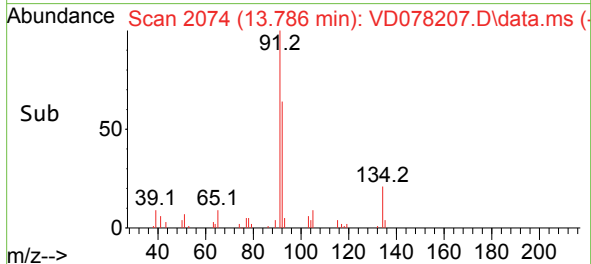
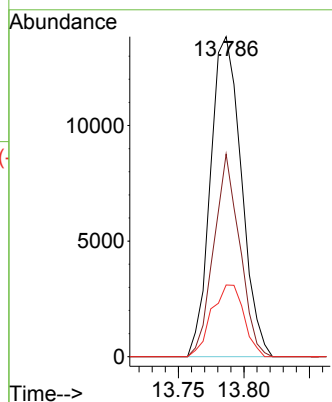
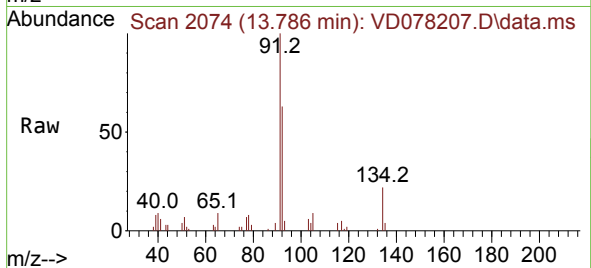
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

Tgt Ion: 91	Resp: 22684
Ion Ratio	Lower Upper
91	100
92	53.2 26.5 79.5
134	23.3 13.8 41.3



#90

Hexachloroethane

Concen: 4.257 ug/l

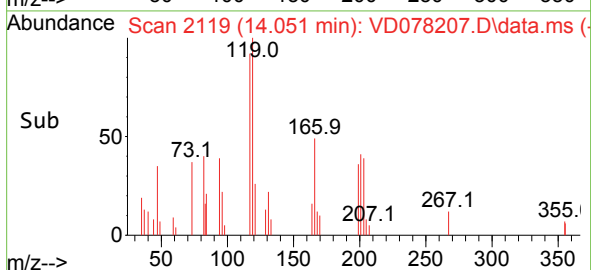
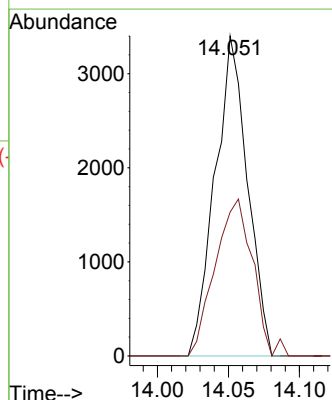
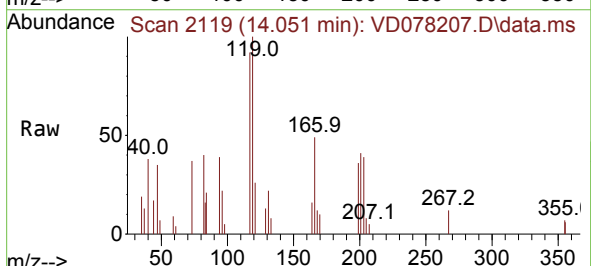
RT: 14.051 min Scan# 2119

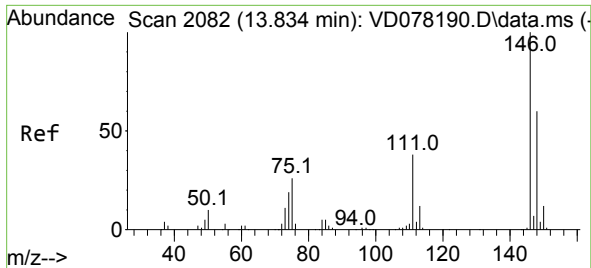
Delta R.T. -0.000 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Tgt Ion: 117	Resp: 5407
Ion Ratio	Lower Upper
117	100
201	56.9 38.5 115.5

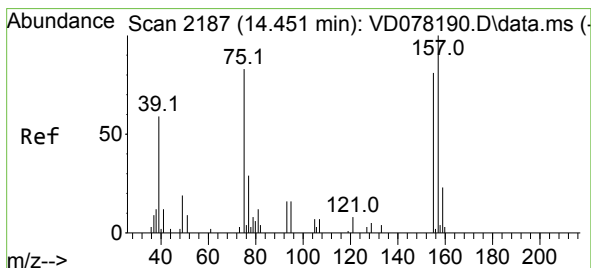
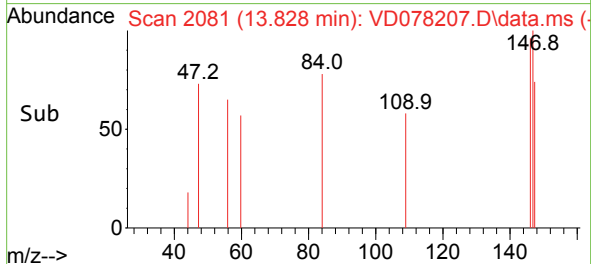
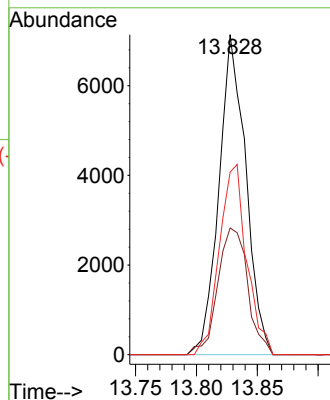
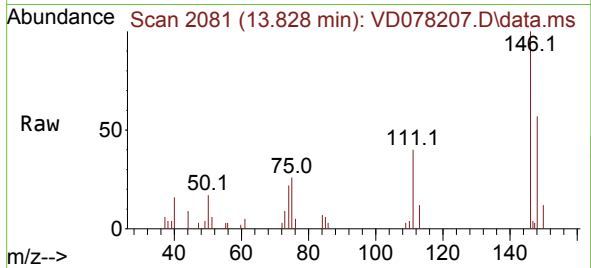




#91
1,2-Dichlorobenzene
Concen: 4.050 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

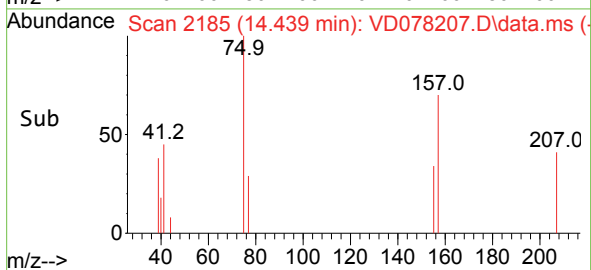
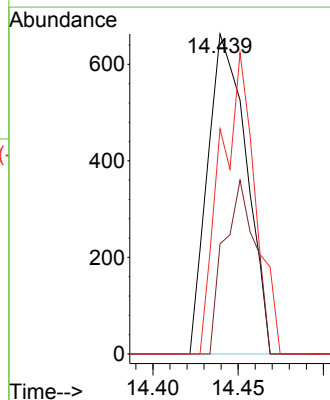
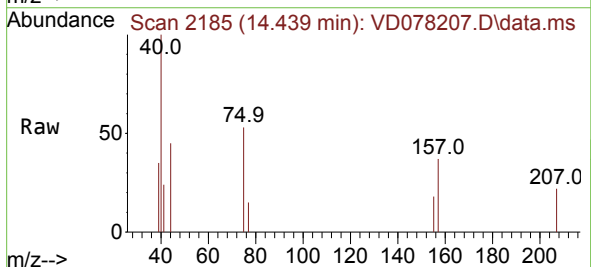
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2024

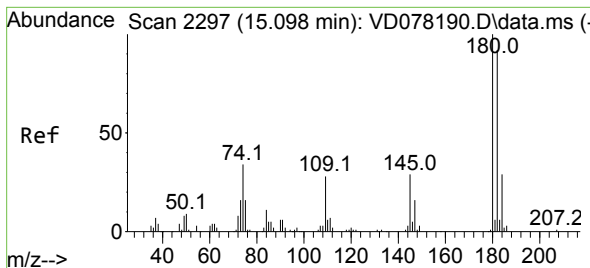
Tgt Ion:146 Resp: 10960
Ion Ratio Lower Upper
146 100
111 44.2 18.3 54.8
148 60.6 31.6 94.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.559 ug/l
RT: 14.439 min Scan# 2185
Delta R.T. -0.012 min
Lab File: VD078207.D
Acq: 23 Jan 2024 14:48

Tgt Ion: 75 Resp: 1048
Ion Ratio Lower Upper
75 100
155 43.5 47.9 143.8#
157 84.9 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 3.497 ug/l

RT: 15.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2024

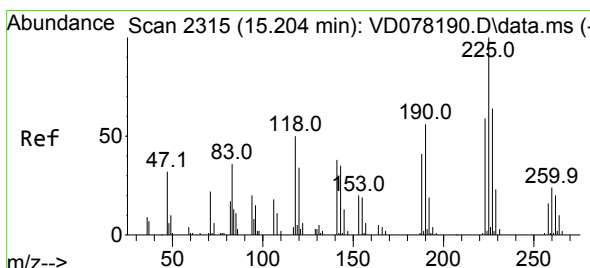
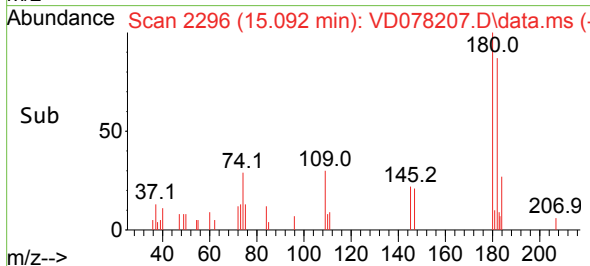
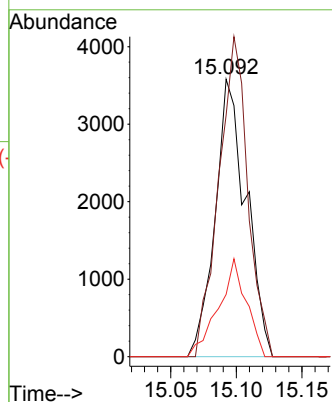
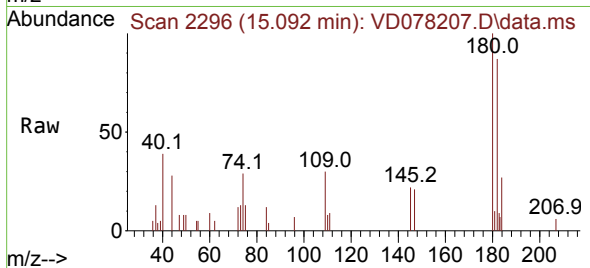
Tgt Ion:180 Resp: 5850

Ion Ratio Lower Upper

180 100

182 108.8 48.5 145.6

145 32.0 14.2 42.6



#94

Hexachlorobutadiene

Concen: 4.079 ug/l

RT: 15.198 min Scan# 2314

Delta R.T. -0.006 min

Lab File: VD078207.D

Acq: 23 Jan 2024 14:48

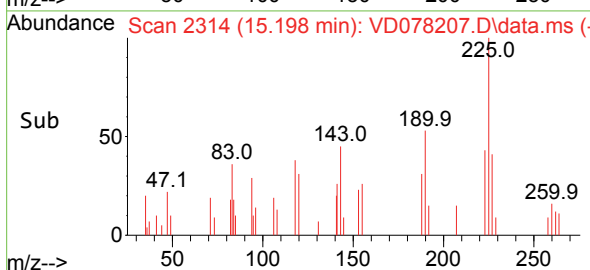
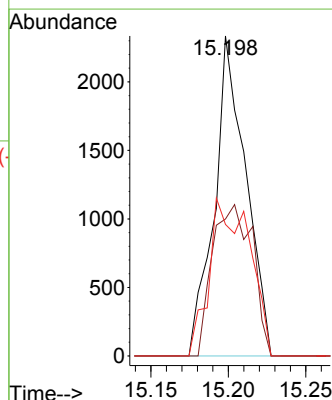
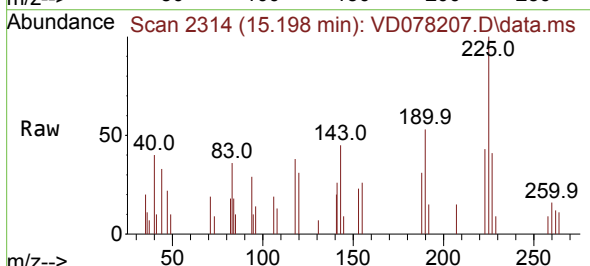
Tgt Ion:225 Resp: 3297

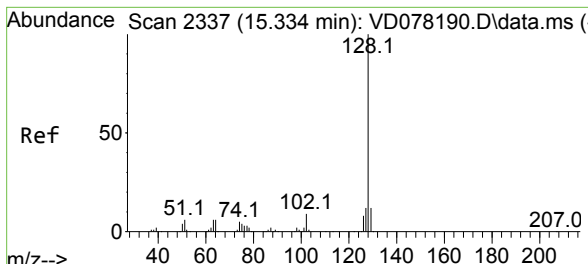
Ion Ratio Lower Upper

225 100

223 60.3 31.6 94.8

227 62.9 31.7 95.1

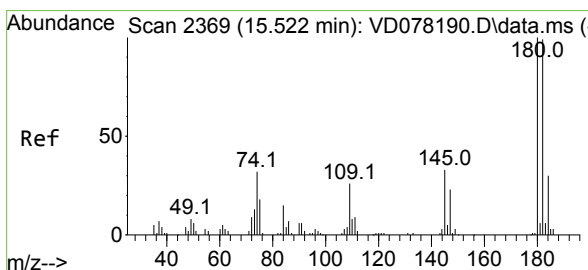
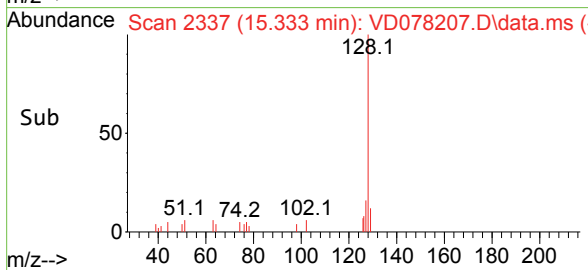
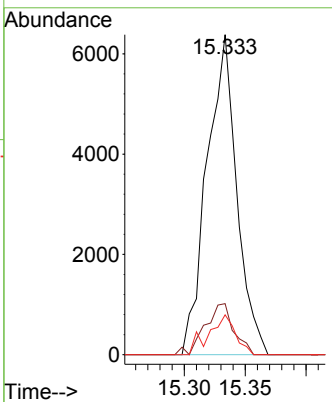
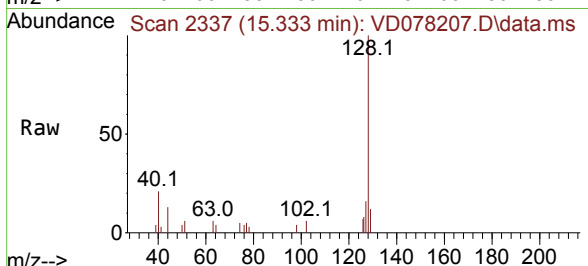




#95
 Naphthalene
 Concen: 3.479 ug/l
 RT: 15.333 min Scan# 2137
 Delta R.T. -0.000 min
 Lab File: VD078207.D
 Acq: 23 Jan 2024 14:48

Instrument : MSVOA_D
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2024

Tgt Ion:	128	Resp:	10881
Ion Ratio	Lower	Upper	
128	100		
127	15.9	10.5	15.7#
129	12.5	8.7	13.1



#96
 1,2,3-Trichlorobenzene
 Concen: 3.889 ug/l
 RT: 15.522 min Scan# 2369
 Delta R.T. -0.000 min
 Lab File: VD078207.D
 Acq: 23 Jan 2024 14:48

Tgt Ion:	180	Resp:	5458
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.3	141.9
145	27.9	15.1	45.3

