

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078926.D
 Acq On : 15 May 2024 12:08
 Operator : RP/MD
 Sample : P2403-01 4 PPB
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: May 16 02:41:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 02:40:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	111225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	201189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187870	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	48515	46.502	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.000%
35) Dibromofluoromethane	7.810	113	58917	43.993	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	87.980%
50) Toluene-d8	10.269	98	219746	43.769	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	87.540%
62) 4-Bromofluorobenzene	12.575	95	57042	40.443	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.880%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	4132	3.976	ug/l	92
3) Chloromethane	2.152	50	7569	4.778	ug/l	94
4) Vinyl Chloride	2.287	62	10701	4.467	ug/l	97
5) Bromomethane	2.699	94	11556	4.991	ug/l	98
6) Chloroethane	2.840	64	8853	4.450	ug/l	95
7) Trichlorofluoromethane	3.175	101	8152	3.742	ug/l	98
8) Diethyl Ether	3.599	74	2117	3.872	ug/l	87
9) 1,1,2-Trichlorotrifluo...	3.969	101	4847	4.214	ug/l	96
10) Methyl Iodide	4.164	142	5126	3.730	ug/l #	78
11) Tert butyl alcohol	5.069	59	653	13.135	ug/l #	86
12) 1,1-Dichloroethene	3.946	96	4697	4.172	ug/l #	80
13) Acrolein	3.811	56	1725	16.609	ug/l #	73
14) Allyl chloride	4.575	41	4197	3.820	ug/l #	88
15) Acrylonitrile	5.263	53	3921	19.443	ug/l #	19
16) Acetone	4.016	43	2961	17.800	ug/l	95
17) Carbon Disulfide	4.275	76	16292	4.497	ug/l #	93
18) Methyl Acetate	4.569	43	1481	3.867	ug/l #	54
19) Methyl tert-butyl Ether	5.316	73	7828	3.568	ug/l #	86
20) Methylene Chloride	4.805	84	11348	6.604	ug/l	96
21) trans-1,2-Dichloroethene	5.311	96	5800	4.622	ug/l	96
22) Diisopropyl ether	6.222	45	8750	3.521	ug/l	94
23) Vinyl Acetate	6.158	43	21360	14.331	ug/l	94
24) 1,1-Dichloroethane	6.122	63	9171	4.656	ug/l #	95
25) 2-Butanone	7.093	43	4195	18.855	ug/l	97
26) 2,2-Dichloropropane	7.081	77	8077	4.666	ug/l	99
27) cis-1,2-Dichloroethene	7.087	96	5919	4.017	ug/l	87
28) Bromochloromethane	7.428	49	3535	5.381	ug/l #	97
29) Tetrahydrofuran	7.457	42	2072	16.101	ug/l	98
30) Chloroform	7.599	83	10566	4.736	ug/l	93
31) Cyclohexane	7.881	56	7309	4.795	ug/l #	83
32) 1,1,1-Trichloroethane	7.799	97	8176	4.279	ug/l	97
36) 1,1-Dichloropropene	8.004	75	5989	3.594	ug/l	94
37) Ethyl Acetate	7.175	43	1940	3.416	ug/l #	67
38) Carbon Tetrachloride	7.993	117	7738	3.968	ug/l	93
39) Methylcyclohexane	9.275	83	6458	3.189	ug/l	97
40) Benzene	8.257	78	20629	3.827	ug/l #	90

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	977	3.197	ug/l #	25
42) 1,2-Dichloroethane	8.322	62	5209	3.992	ug/l	94
43) Isopropyl Acetate	8.369	43	3334	3.308	ug/l #	95
44) Trichloroethene	9.028	130	5665	3.962	ug/l	77
45) 1,2-Dichloropropane	9.304	63	4673	3.945	ug/l	97
46) Dibromomethane	9.399	93	2758	3.537	ug/l	94
47) Bromodichloromethane	9.587	83	7338	3.909	ug/l	92
48) Methyl methacrylate	9.387	41	1488	3.033	ug/l	88
49) 1,4-Dioxane	9.381	88	427	62.252	ug/l #	33
51) 4-Methyl-2-Pentanone	10.157	43	8239	15.349	ug/l	96
52) Toluene	10.334	92	13086	3.793	ug/l	99
53) t-1,3-Dichloropropene	10.551	75	5781	3.624	ug/l #	86
54) cis-1,3-Dichloropropene	10.016	75	7165	3.743	ug/l	93
55) 1,1,2-Trichloroethane	10.728	97	4041	4.011	ug/l #	88
56) Ethyl methacrylate	10.598	69	3201	3.088	ug/l #	84
57) 1,3-Dichloropropane	10.881	76	5580	3.557	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.869	63	7870	17.671	ug/l	98
59) 2-Hexanone	10.922	43	5709	15.280	ug/l	99
60) Dibromochloromethane	11.075	129	4545	3.309	ug/l	86
61) 1,2-Dibromoethane	11.175	107	3473	3.781	ug/l	95
64) Tetrachloroethene	10.804	164	4616	3.873	ug/l #	87
65) Chlorobenzene	11.604	112	14335	3.668	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.675	131	5309	3.930	ug/l	98
67) Ethyl Benzene	11.681	91	22203	3.532	ug/l	99
68) m/p-Xylenes	11.793	106	16427	6.428	ug/l	96
69) o-Xylene	12.122	106	7157	3.072	ug/l	84
70) Styrene	12.134	104	12869	3.117	ug/l	99
71) Bromoform	12.298	173	3064	3.959	ug/l #	93
73) Isopropylbenzene	12.422	105	18021	3.337	ug/l	97
74) N-amyl acetate	12.240	43	2591	2.957	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.675	83	4050	4.157	ug/l #	95
76) 1,2,3-Trichloropropane	12.710	75	4753	7.461	ug/l #	100
77) Bromobenzene	12.698	156	6212	4.374	ug/l	91
78) n-propylbenzene	12.763	91	24312	3.724	ug/l	100
79) 2-Chlorotoluene	12.851	91	13509	3.723	ug/l	89
80) 1,3,5-Trimethylbenzene	12.904	105	15681	3.495	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.475	75	1301	4.050	ug/l #	82
82) 4-Chlorotoluene	12.945	91	15256	4.008	ug/l	96
83) tert-Butylbenzene	13.169	119	14662	3.695	ug/l	94
84) 1,2,4-Trimethylbenzene	13.210	105	14619	3.145	ug/l	95
85) sec-Butylbenzene	13.345	105	20559	3.473	ug/l	98
86) p-Isopropyltoluene	13.457	119	16377	3.175	ug/l	97
87) 1,3-Dichlorobenzene	13.457	146	10978	3.653	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	11792	4.006	ug/l	93
89) n-Butylbenzene	13.787	91	15144	3.277	ug/l	98
90) Hexachloroethane	14.051	117	4214	3.873	ug/l	97
91) 1,2-Dichlorobenzene	13.834	146	9770	3.885	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.451	75	524	4.040	ug/l	96
93) 1,2,4-Trichlorobenzene	15.098	180	6026	4.081	ug/l	89
94) Hexachlorobutadiene	15.198	225	2726	3.533	ug/l	82
95) Naphthalene	15.334	128	8600	3.419	ug/l	97
96) 1,2,3-Trichlorobenzene	15.528	180	4662	3.549	ug/l	88

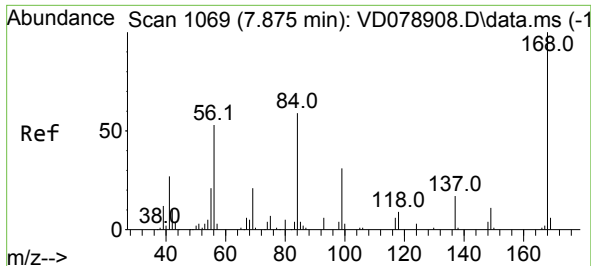
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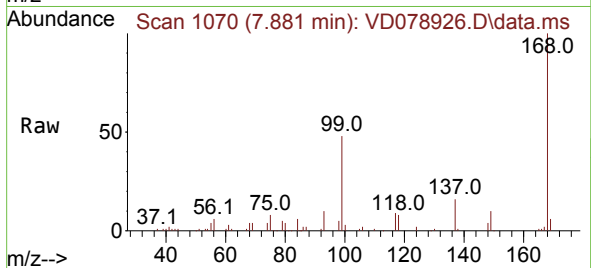
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

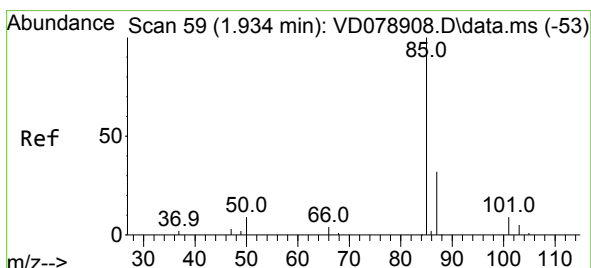
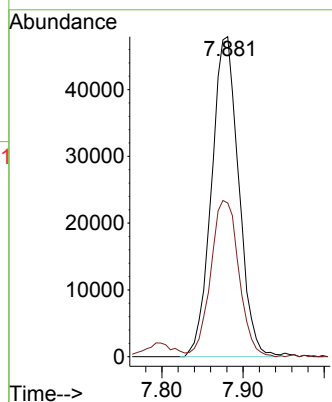
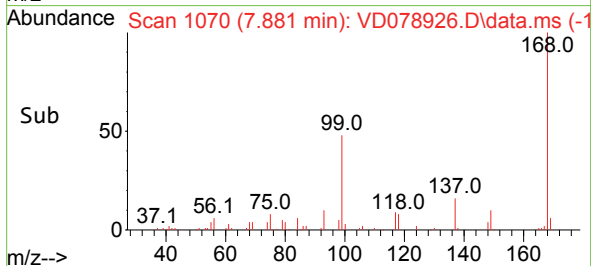


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD078926.D
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Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

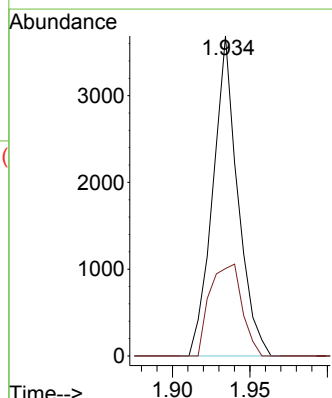
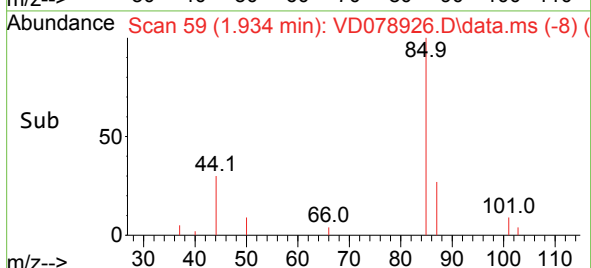
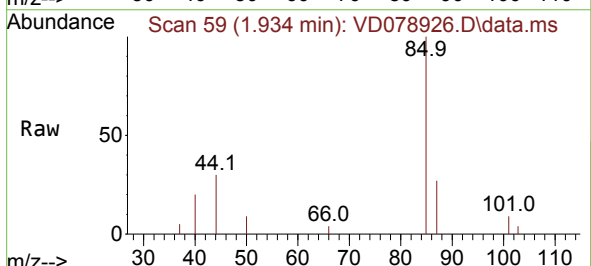


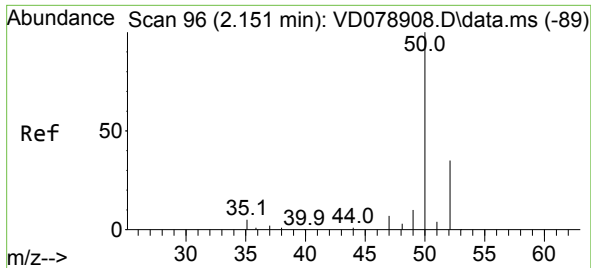
Tgt Ion:168 Resp: 111225
Ion Ratio Lower Upper
168 100
99 47.7 41.1 61.7



#2
Dichlorodifluoromethane
Concen: 3.976 ug/l
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 85 Resp: 4132
Ion Ratio Lower Upper
85 100
87 27.3 16.0 48.0

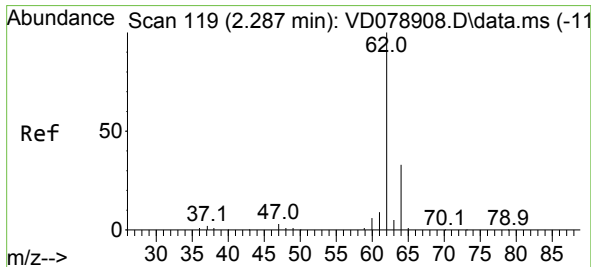
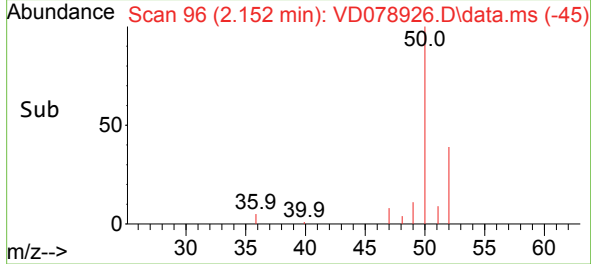
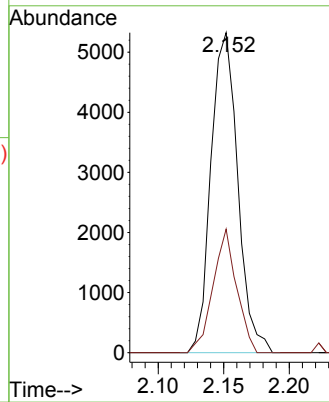
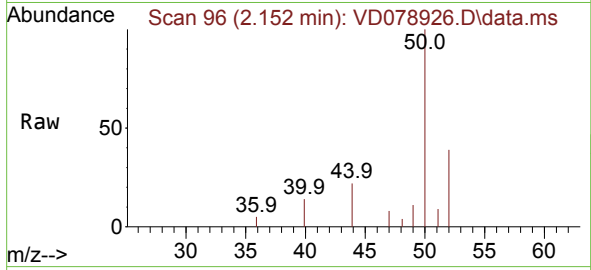




#3
Chloromethane
Concen: 4.778 ug/l
RT: 2.152 min Scan# 96
Delta R.T. 0.001 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

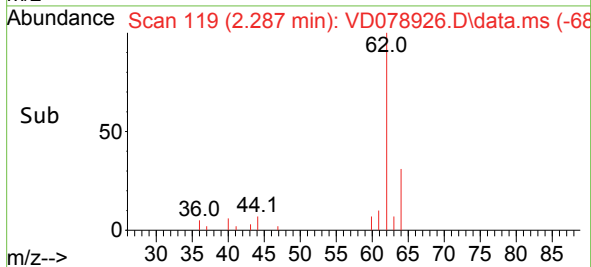
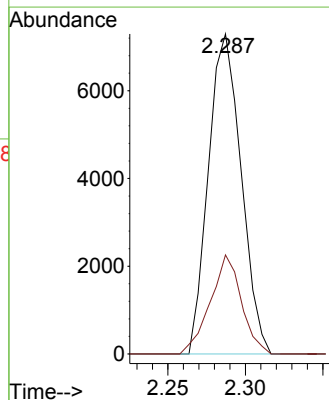
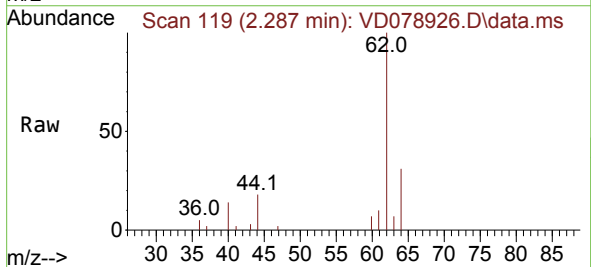
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ClientSampleId :
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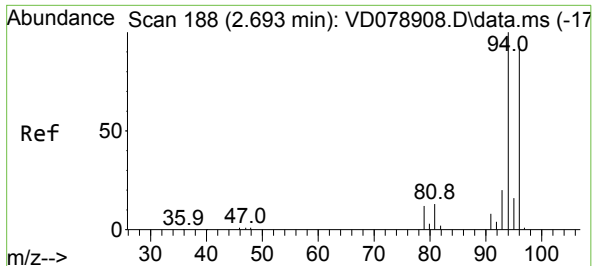
Tgt Ion: 50 Resp: 7569
Ion Ratio Lower Upper
50 100
52 38.6 28.2 42.2



#4
Vinyl Chloride
Concen: 4.467 ug/l
RT: 2.287 min Scan# 119
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 62 Resp: 10701
Ion Ratio Lower Upper
62 100
64 31.0 26.3 39.5

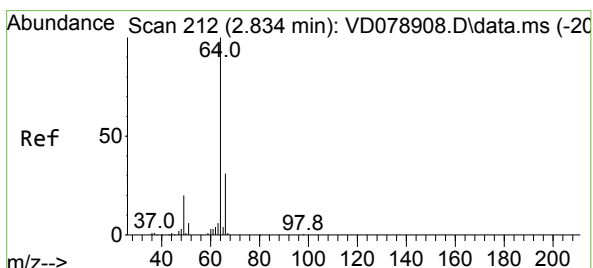
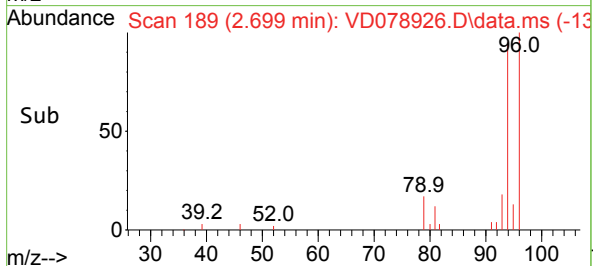
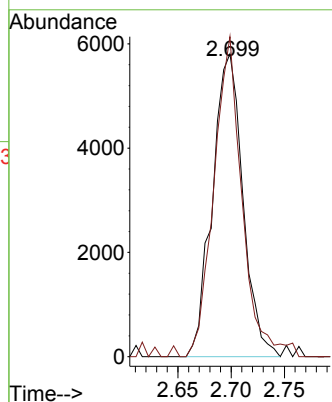
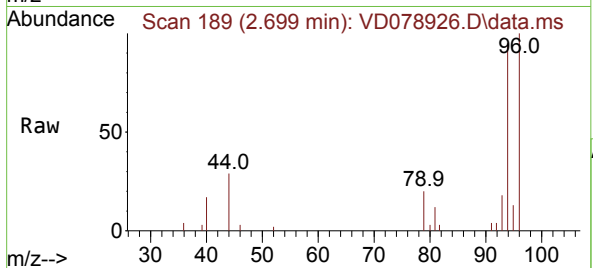




#5
Bromomethane
Concen: 4.991 ug/l
RT: 2.699 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

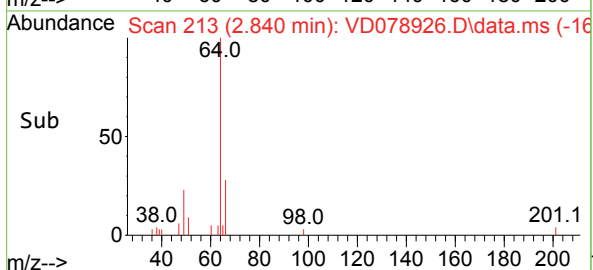
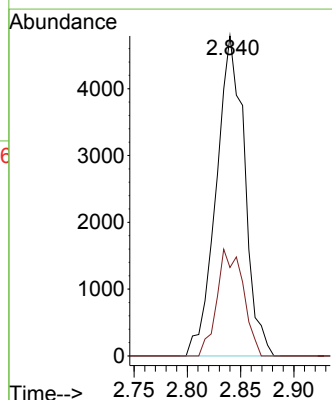
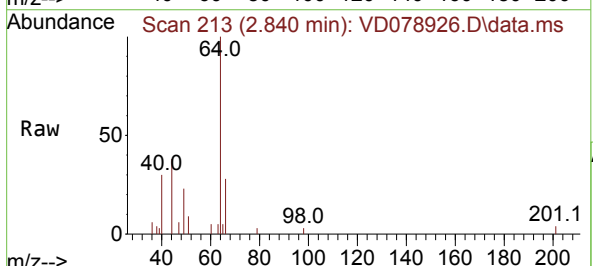
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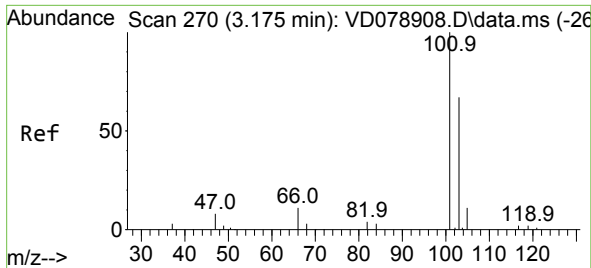
Tgt Ion: 94 Resp: 11556
Ion Ratio Lower Upper
94 100
96 98.1 76.9 115.3



#6
Chloroethane
Concen: 4.450 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 64 Resp: 8853
Ion Ratio Lower Upper
64 100
66 27.7 24.5 36.7

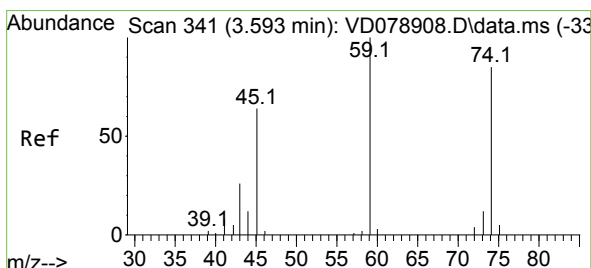
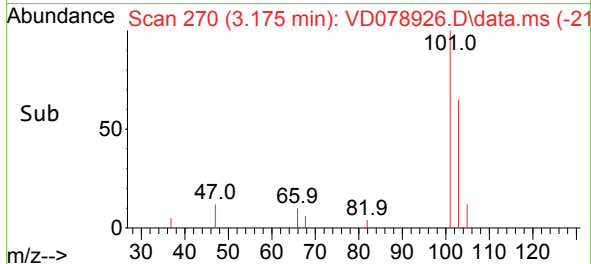
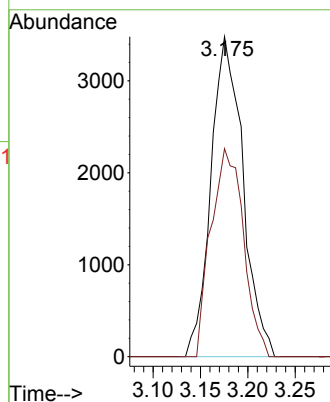
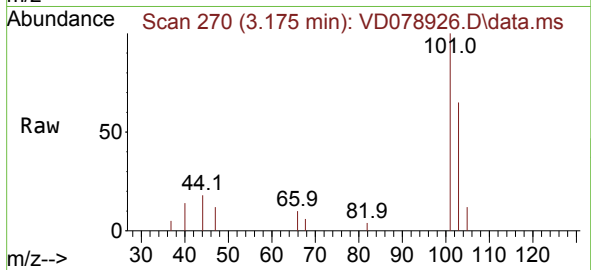




#7
 Trichlorofluoromethane
 Concen: 3.742 ug/l
 RT: 3.175 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VD078926.D
 Acq: 15 May 2024 12:08

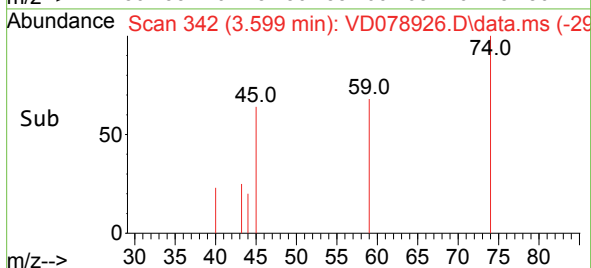
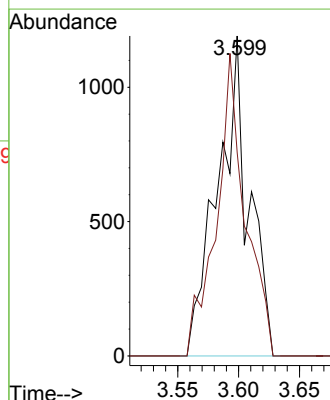
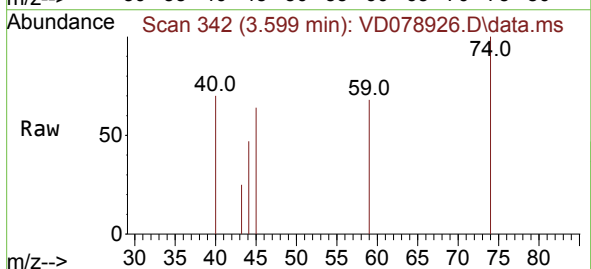
Instrument :
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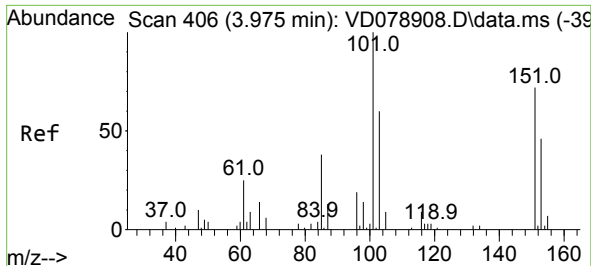
Tgt Ion:101 Resp: 8152
 Ion Ratio Lower Upper
 101 100
 103 65.0 53.2 79.8



#8
 Diethyl Ether
 Concen: 3.872 ug/l
 RT: 3.599 min Scan# 342
 Delta R.T. 0.006 min
 Lab File: VD078926.D
 Acq: 15 May 2024 12:08

Tgt Ion: 74 Resp: 2117
 Ion Ratio Lower Upper
 74 100
 45 87.2 37.9 113.6

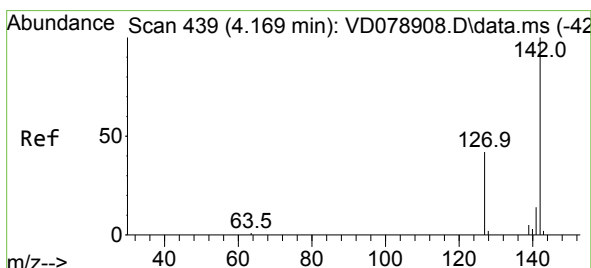
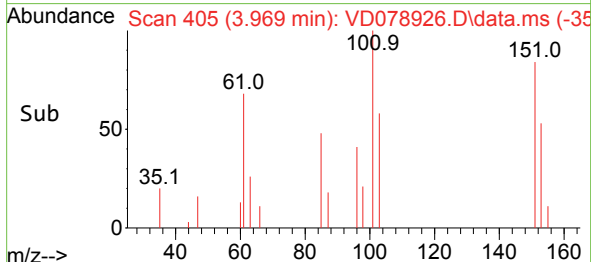
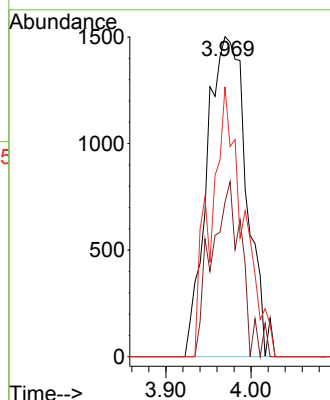
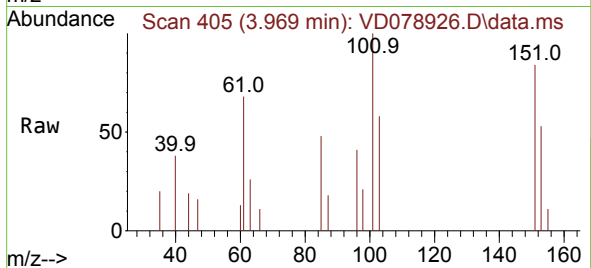




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.214 ug/l
RT: 3.969 min Scan# 406
Delta R.T. -0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

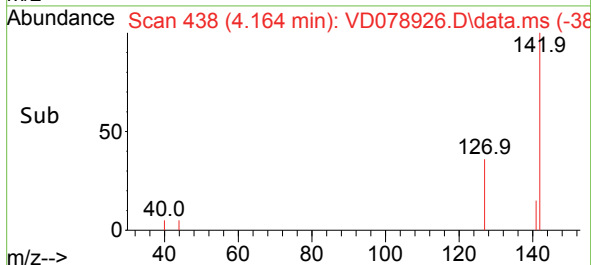
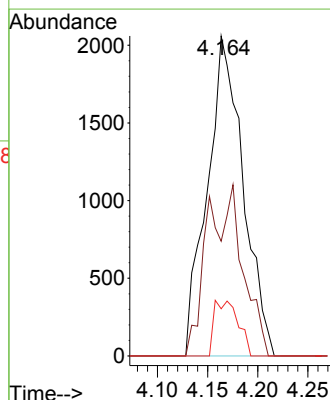
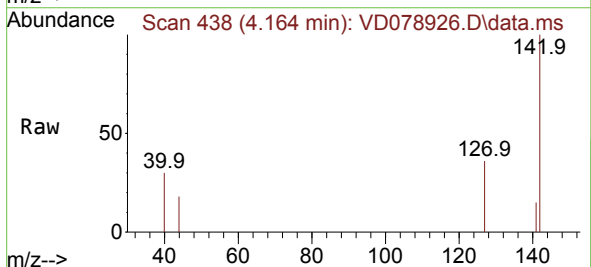
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

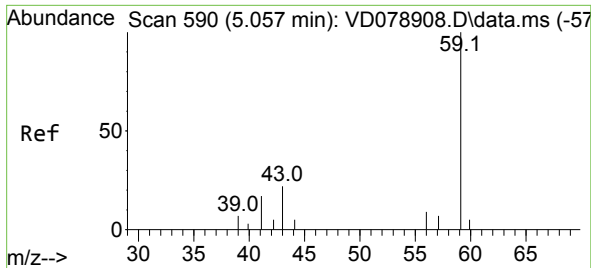
Tgt Ion:101 Resp: 4847
Ion Ratio Lower Upper
101 100
85 41.8 33.5 50.3
151 69.7 60.3 90.5



#10
Methyl Iodide
Concen: 3.730 ug/l
RT: 4.164 min Scan# 438
Delta R.T. -0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion:142 Resp: 5126
Ion Ratio Lower Upper
142 100
127 25.5 34.2 51.4#
141 11.5 11.7 17.5#





#11

Tert butyl alcohol

Concen: 13.135 ug/l

RT: 5.069 min Scan# 59

Delta R.T. 0.012 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

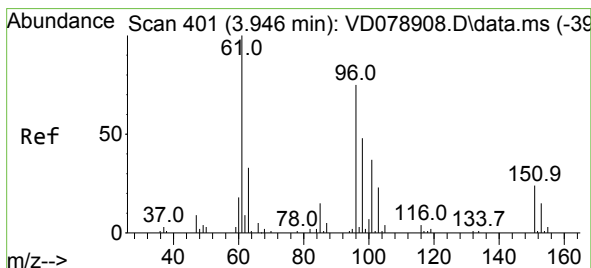
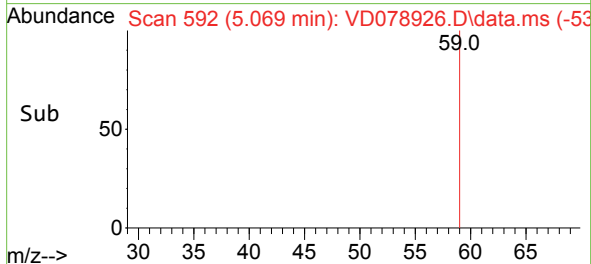
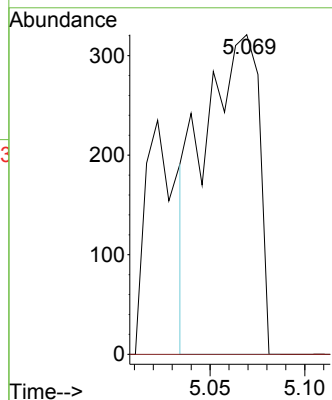
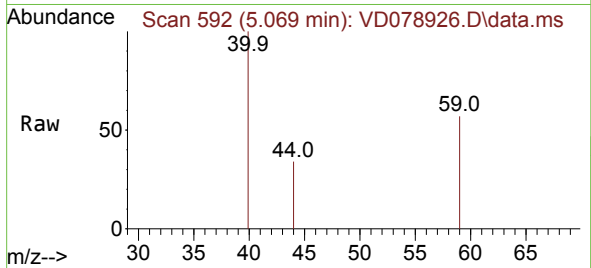
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 59 Resp: 653

Ion Ratio Lower Upper

59 100

57 0.0 3.6 5.4#



#12

1,1-Dichloroethene

Concen: 4.172 ug/l

RT: 3.946 min Scan# 401

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

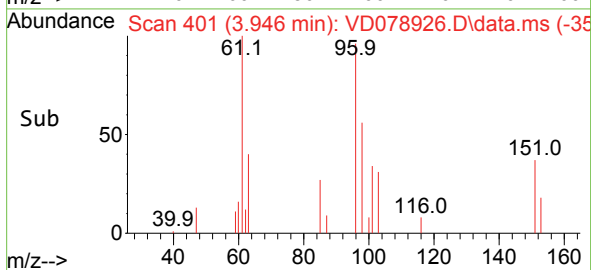
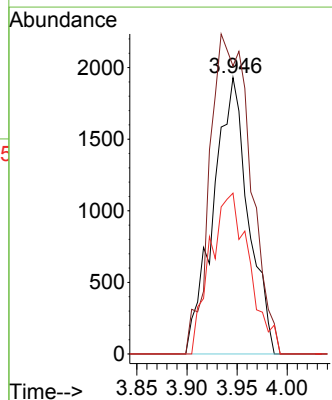
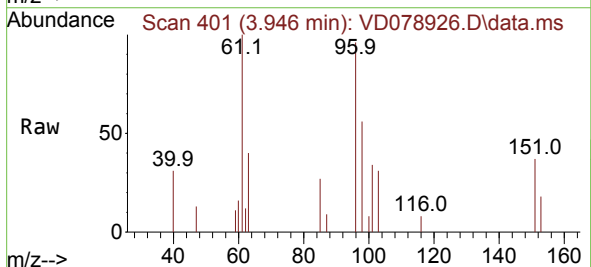
Tgt Ion: 96 Resp: 4697

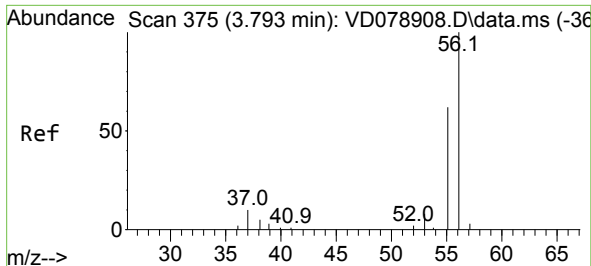
Ion Ratio Lower Upper

96 100

61 104.2 107.3 160.9#

98 58.2 51.7 77.5

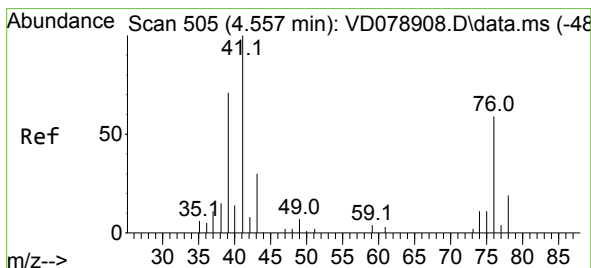
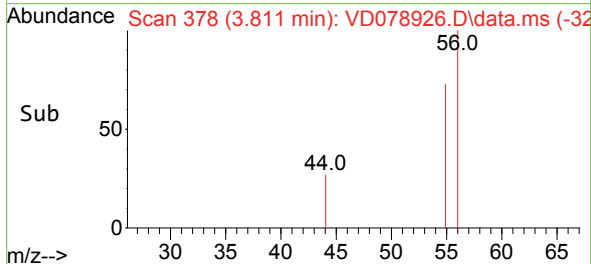
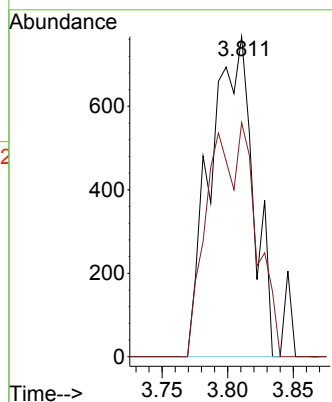
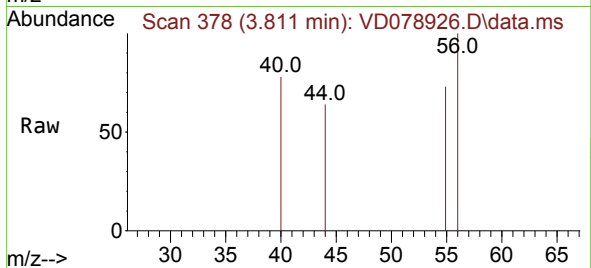




#13
Acrolein
Concen: 16.609 ug/l
RT: 3.811 min Scan# 31
Delta R.T. 0.018 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

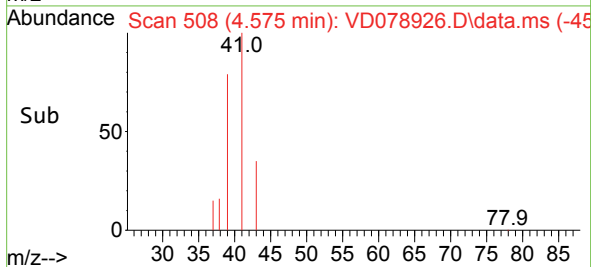
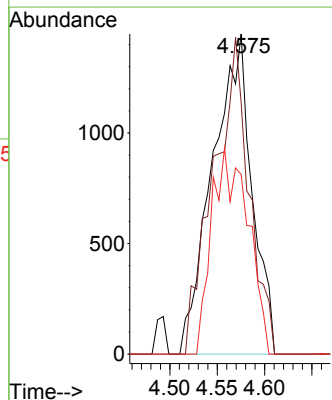
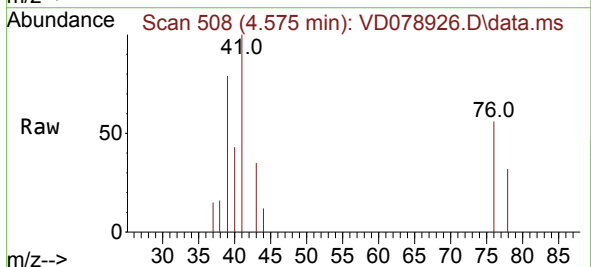
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

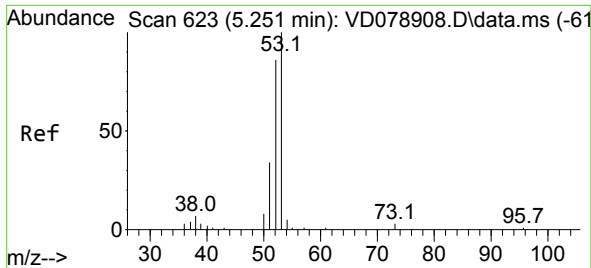
Tgt Ion: 56 Resp: 1725
Ion Ratio Lower Upper
56 100
55 47.4 55.3 82.9#



#14
Allyl chloride
Concen: 3.820 ug/l
RT: 4.575 min Scan# 508
Delta R.T. 0.018 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 41 Resp: 4197
Ion Ratio Lower Upper
41 100
39 89.0 58.0 87.0#
76 59.2 45.9 68.9

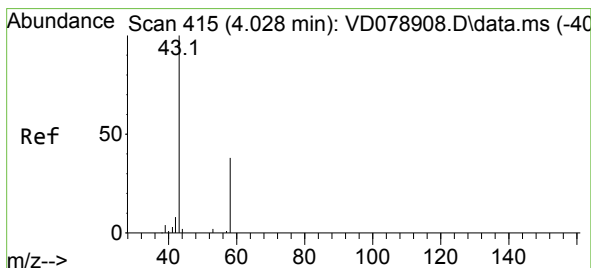
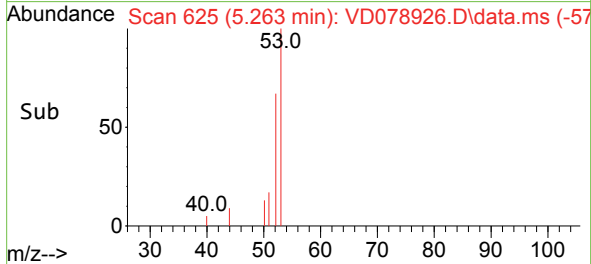
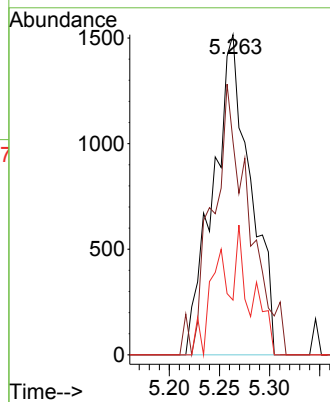
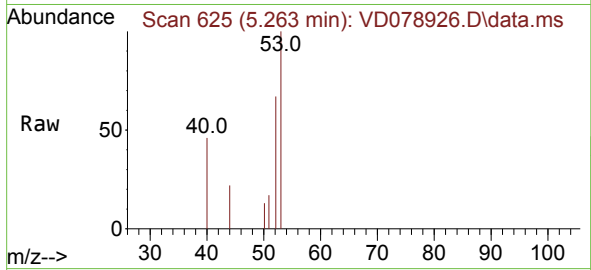




#15
Acrylonitrile
Concen: 19.443 ug/l
RT: 5.263 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

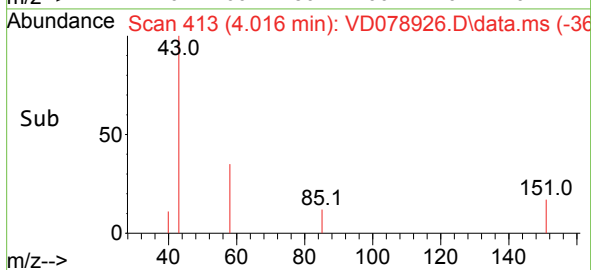
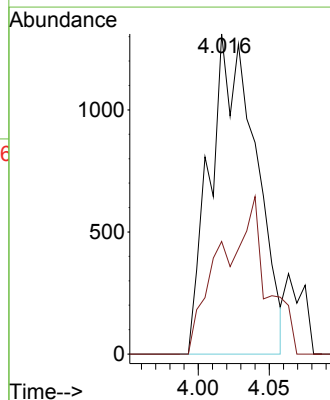
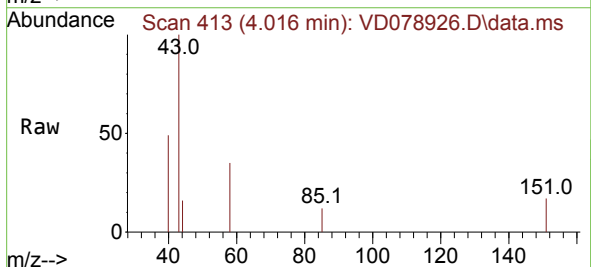
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

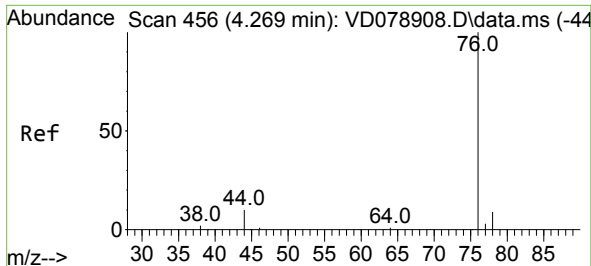
Tgt Ion: 53 Resp: 3921
Ion Ratio Lower Upper
53 100
52 0.0 67.7 101.5#
51 5.3 28.6 42.8#



#16
Acetone
Concen: 17.800 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.011 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 43 Resp: 2961
Ion Ratio Lower Upper
43 100
58 35.2 30.4 45.6

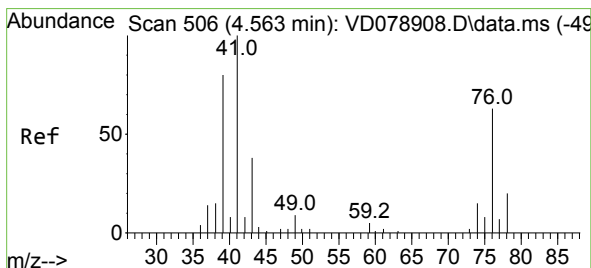
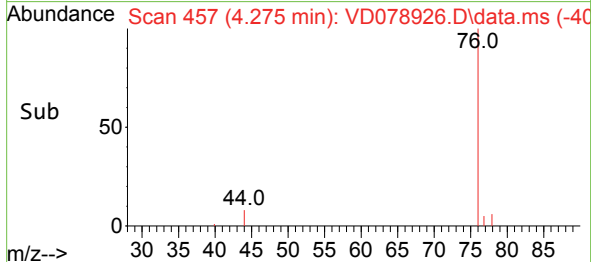
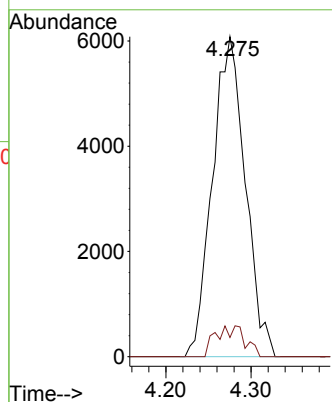
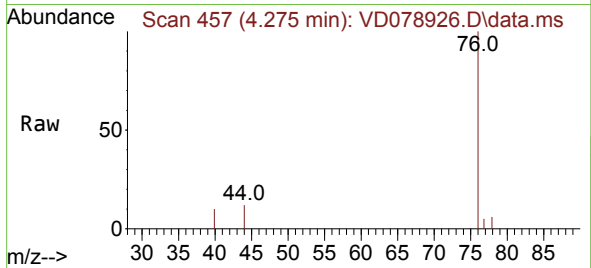




#17
Carbon Disulfide
Concen: 4.497 ug/l
RT: 4.275 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

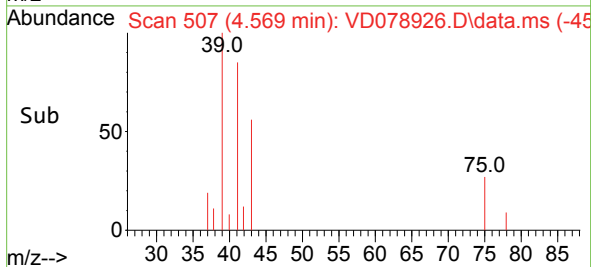
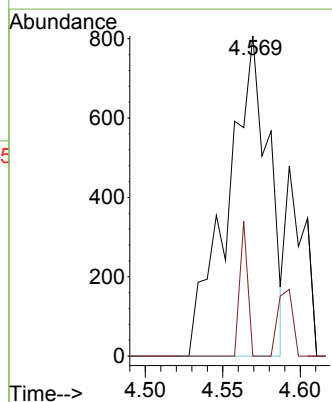
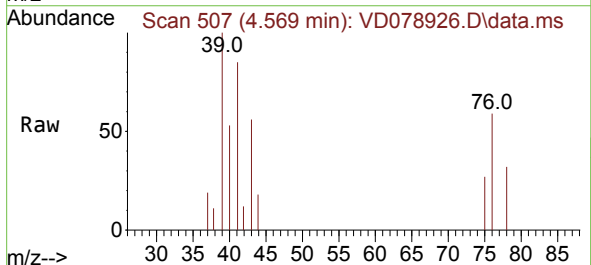
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

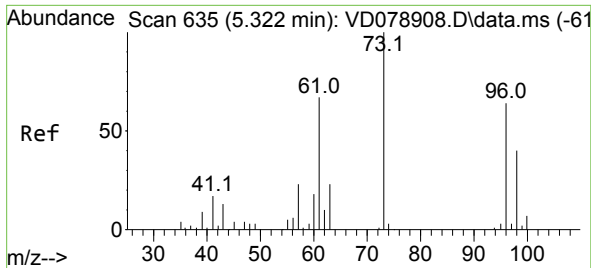
Tgt Ion: 76 Resp: 16292
Ion Ratio Lower Upper
76 100
78 6.0 6.9 10.3#



#18
Methyl Acetate
Concen: 3.867 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
74 8.1 28.1 42.1#





#19

Methyl tert-butyl Ether

Concen: 3.568 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

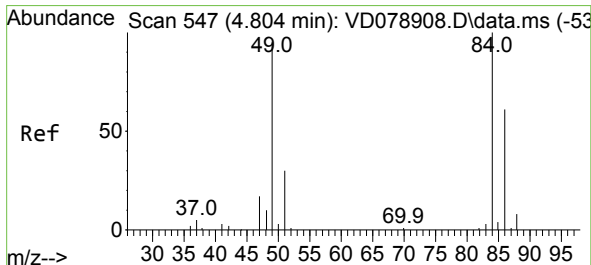
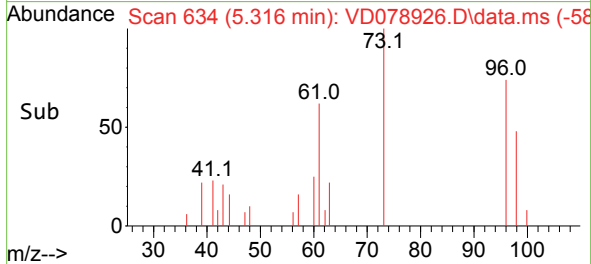
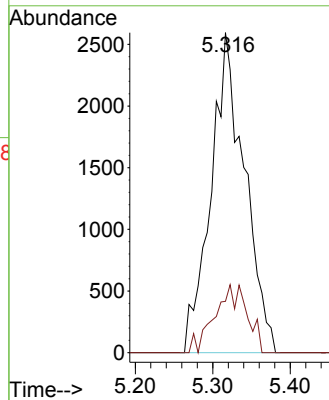
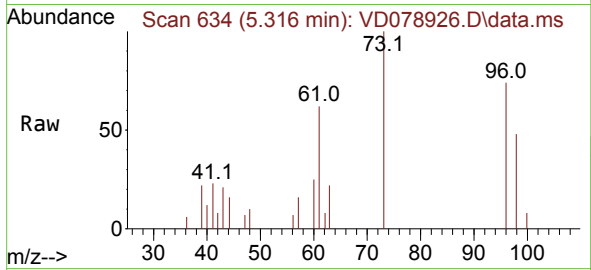
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 73 Resp: 7828

Ion Ratio Lower Upper

73 100

57 16.1 18.3 27.5#



#20

Methylene Chloride

Concen: 6.604 ug/l

RT: 4.805 min Scan# 547

Delta R.T. 0.001 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Tgt Ion: 84 Resp: 11348

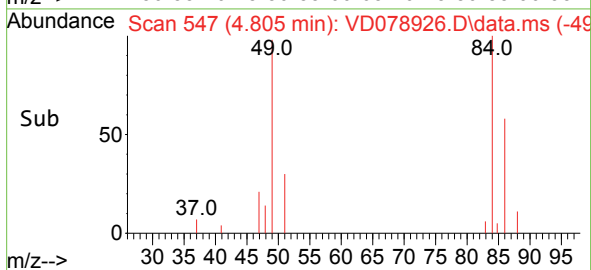
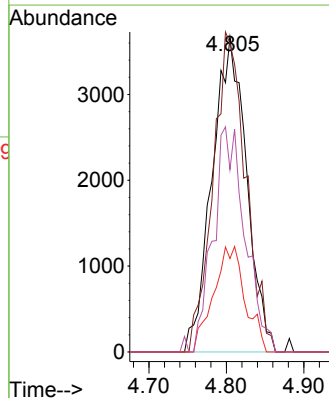
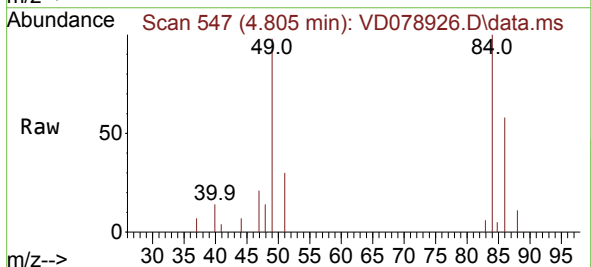
Ion Ratio Lower Upper

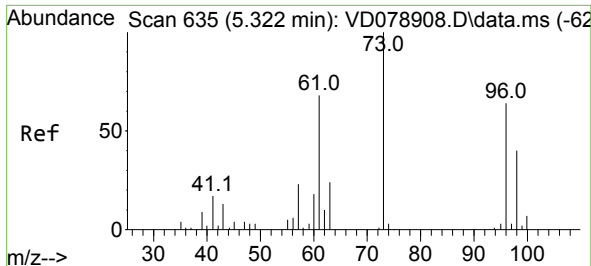
84 100

49 98.1 75.6 113.4

51 29.7 24.2 36.2

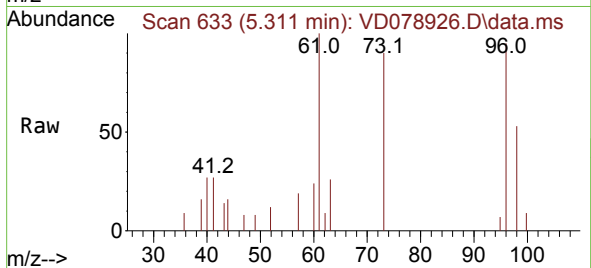
86 58.0 49.2 73.8



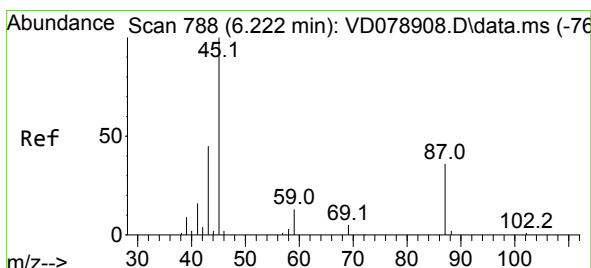
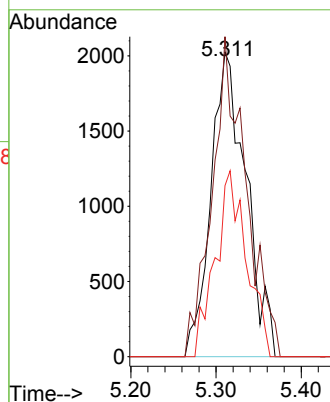
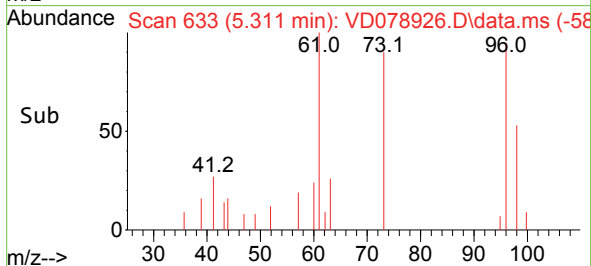


#21
trans-1,2-Dichloroethene
Concen: 4.622 ug/l
RT: 5.311 min Scan# 611
Delta R.T. -0.011 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

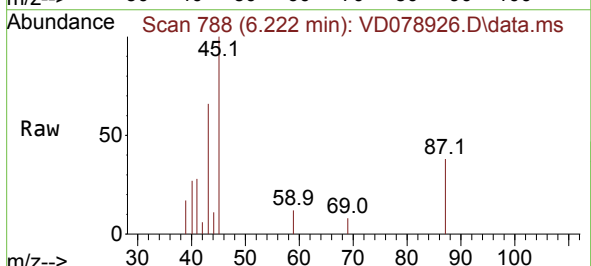
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



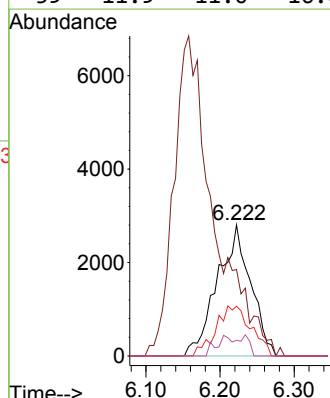
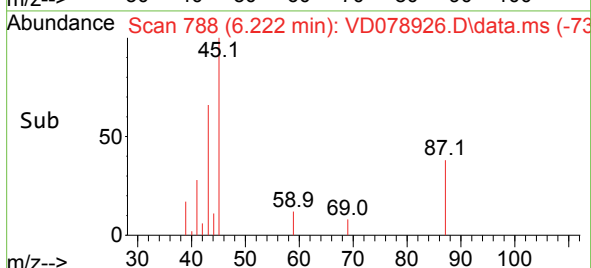
Tgt Ion: 96 Resp: 5800
Ion Ratio Lower Upper
96 100
61 105.0 84.5 126.7
98 56.1 50.5 75.7

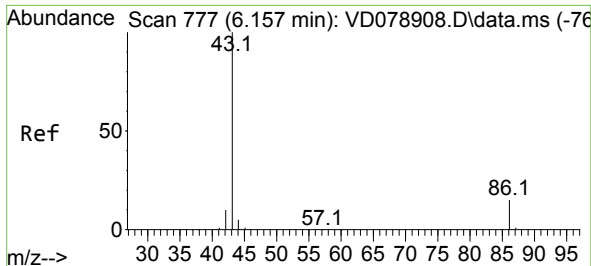


#22
Diisopropyl ether
Concen: 3.521 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08



Tgt Ion: 45 Resp: 8750
Ion Ratio Lower Upper
45 100
43 59.5 41.7 62.5
87 38.0 30.2 45.2
59 11.9 11.0 16.6

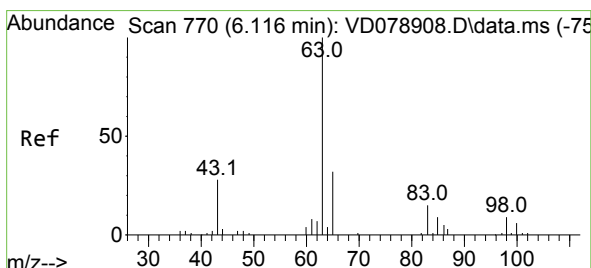
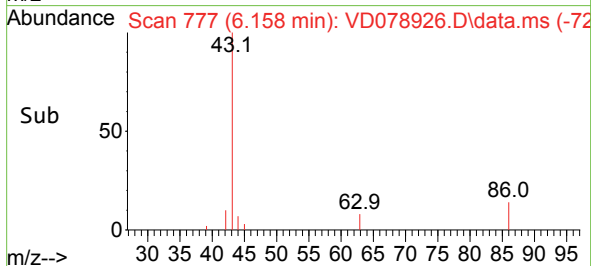
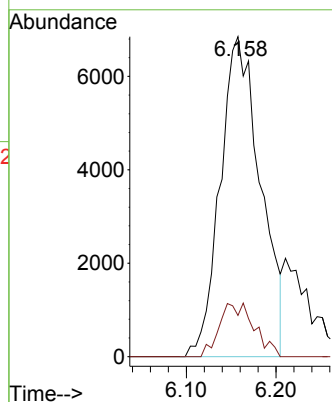
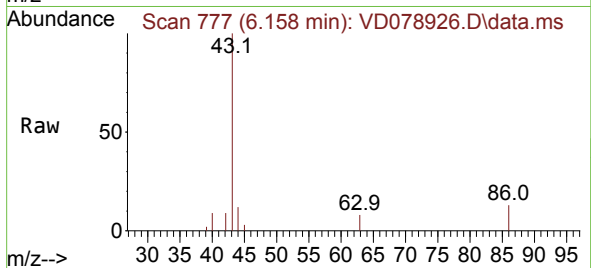




#23
 Vinyl Acetate
 Concen: 14.331 ug/l
 RT: 6.158 min Scan# 711
 Delta R.T. 0.000 min
 Lab File: VD078926.D
 Acq: 15 May 2024 12:08

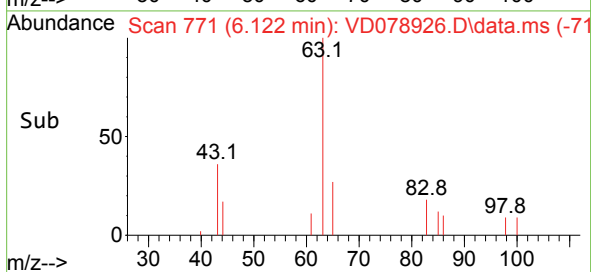
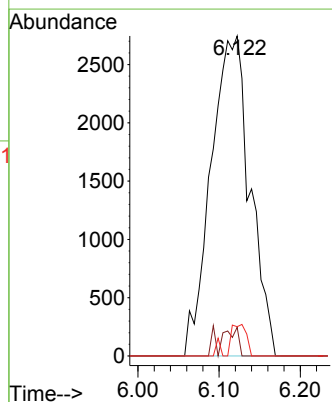
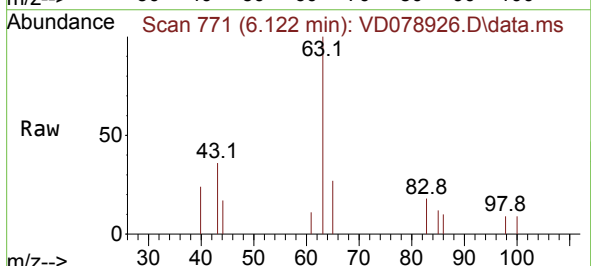
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

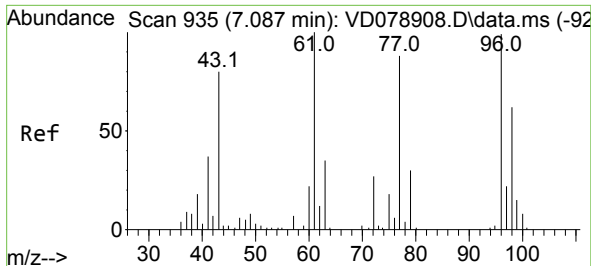
Tgt Ion: 43 Resp: 21360
 Ion Ratio Lower Upper
 43 100
 86 12.9 12.3 18.5



#24
 1,1-Dichloroethane
 Concen: 4.656 ug/l
 RT: 6.122 min Scan# 771
 Delta R.T. 0.006 min
 Lab File: VD078926.D
 Acq: 15 May 2024 12:08

Tgt Ion: 63 Resp: 9171
 Ion Ratio Lower Upper
 63 100
 98 9.0 4.7 14.0
 100 9.2 2.9 8.6#

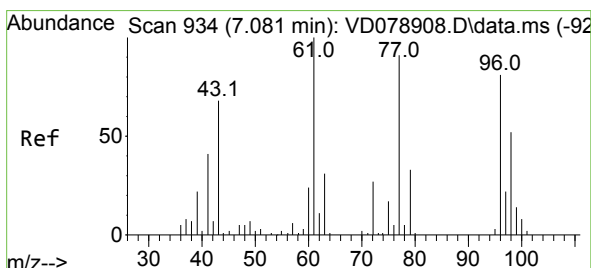
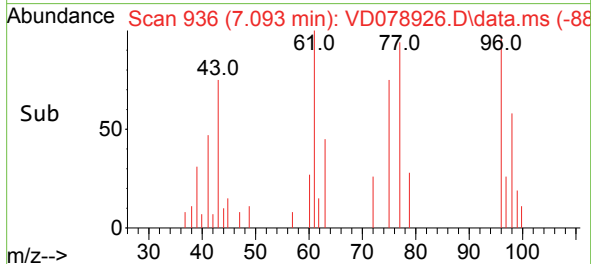
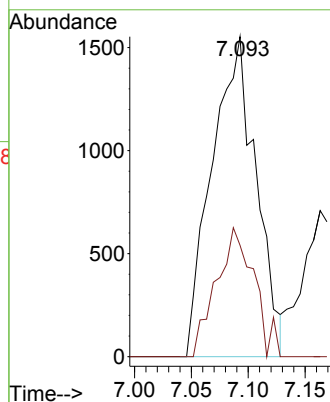
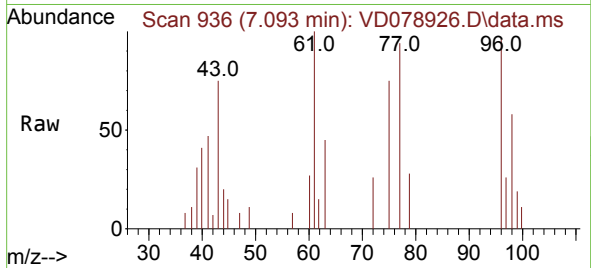




#25
2-Butanone
Concen: 18.855 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

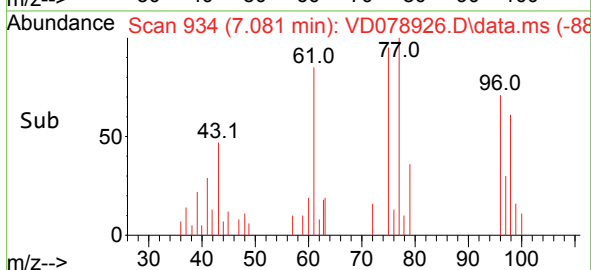
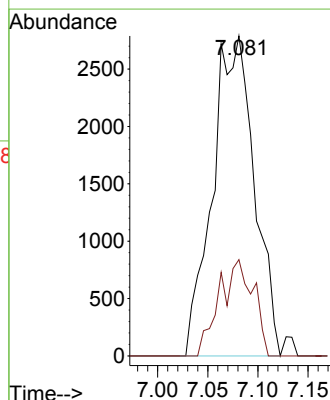
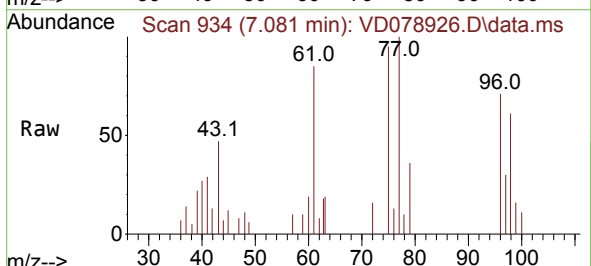
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

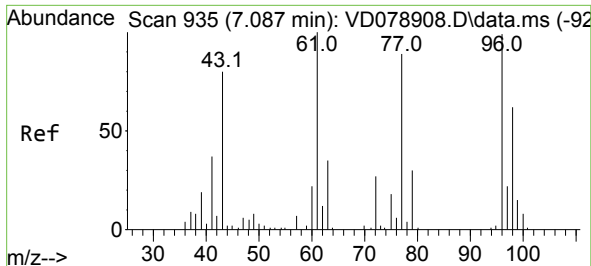
Tgt Ion: 43 Resp: 4195
Ion Ratio Lower Upper
43 100
72 34.8 26.4 39.6



#26
2,2-Dichloropropane
Concen: 4.666 ug/l
RT: 7.081 min Scan# 934
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 77 Resp: 8077
Ion Ratio Lower Upper
77 100
97 24.5 12.4 37.2

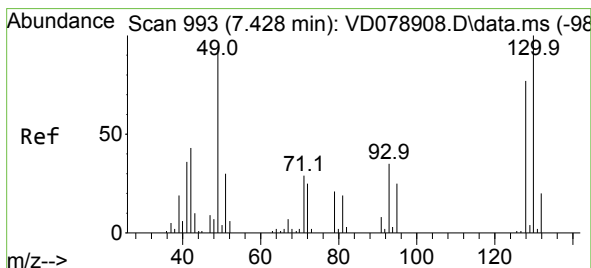
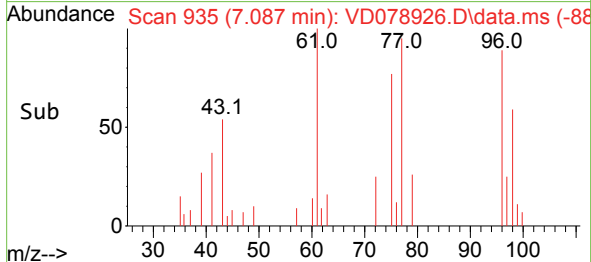
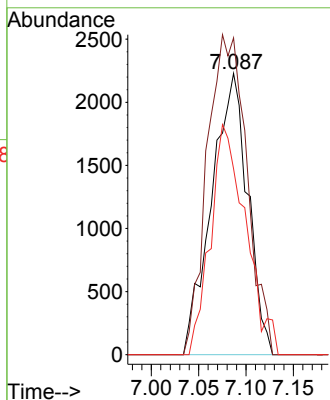
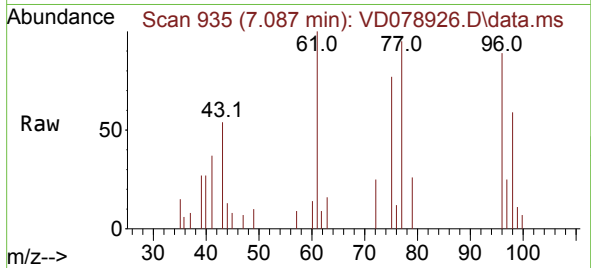




#27
 cis-1,2-Dichloroethene
 Concen: 4.017 ug/l
 RT: 7.087 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VD078926.D
 Acq: 15 May 2024 12:08

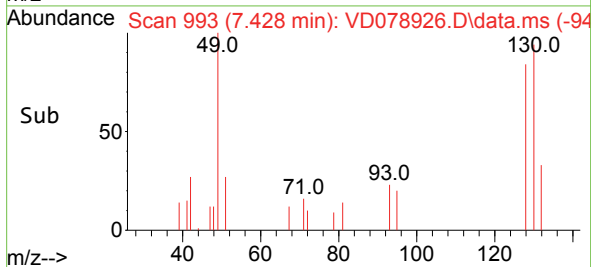
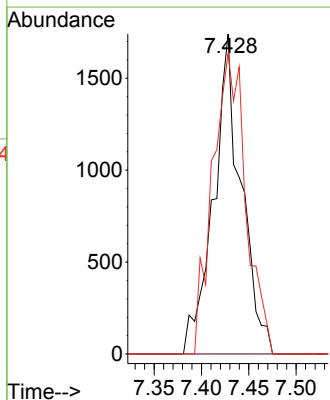
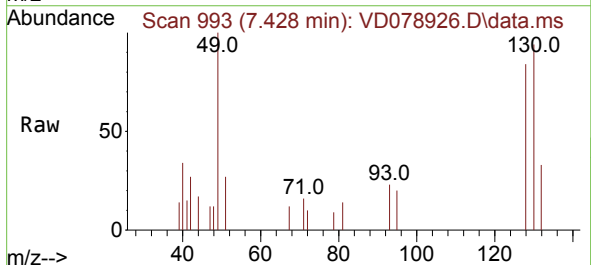
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

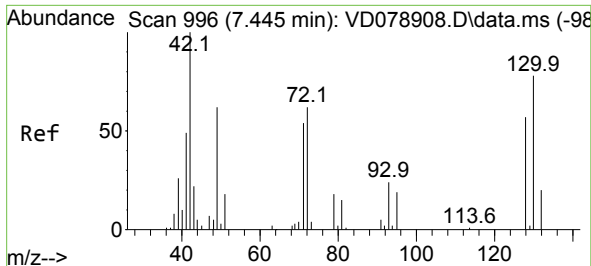
Tgt Ion: 96	Resp:	5919	
Ion	Ratio	Lower	Upper
96	100		
61	124.8	0.0	229.0
98	79.6	0.0	127.2



#28
 Bromochloromethane
 Concen: 5.381 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VD078926.D
 Acq: 15 May 2024 12:08

Tgt Ion: 49	Resp:	3535	
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.0
130	113.0	87.7	131.5





#29

Tetrahydrofuran

Concen: 16.101 ug/l

RT: 7.457 min Scan# 99

Delta R.T. 0.012 min

Lab File: VD078926.D

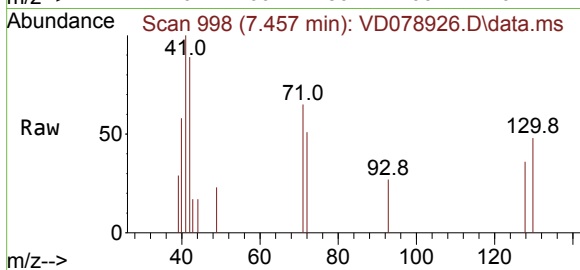
Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



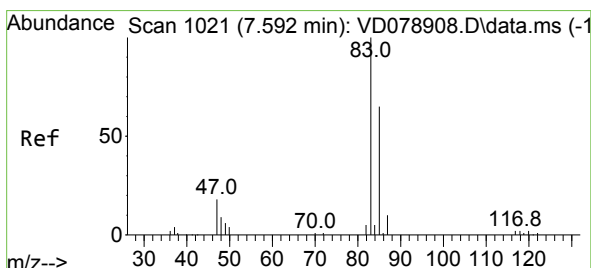
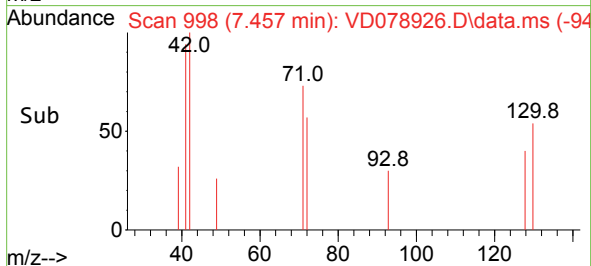
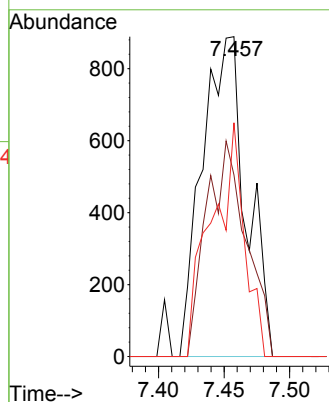
Tgt Ion: 42 Resp: 2072

Ion Ratio Lower Upper

42 100

72 61.2 49.4 74.0

71 54.2 45.0 67.6



#30

Chloroform

Concen: 4.736 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VD078926.D

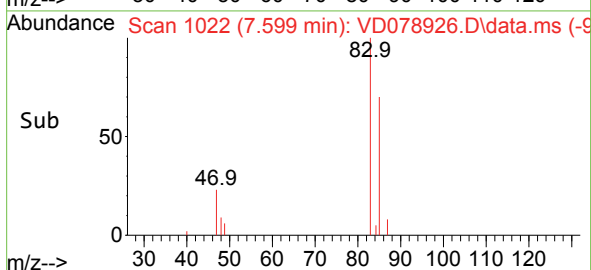
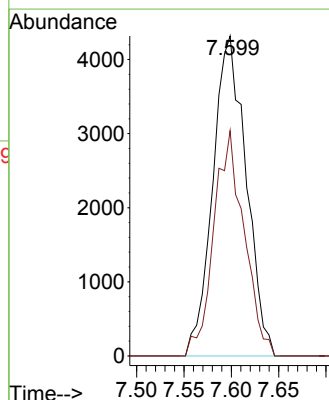
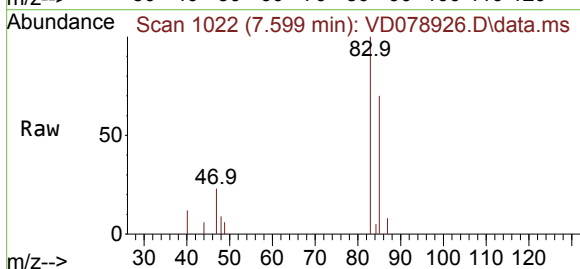
Acq: 15 May 2024 12:08

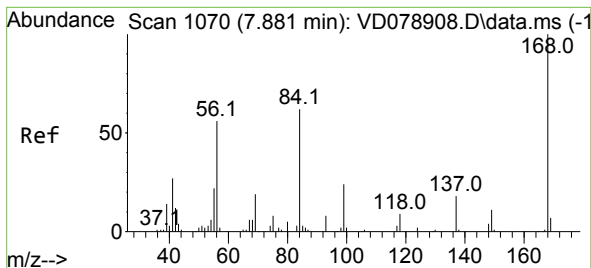
Tgt Ion: 83 Resp: 10566

Ion Ratio Lower Upper

83 100

85 70.4 51.8 77.6





#31

Cyclohexane

Concen: 4.795 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. 0.000 min

Lab File: VD078926.D

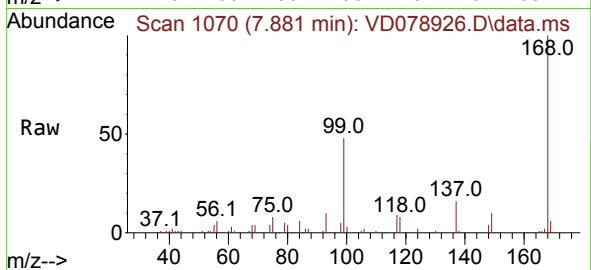
Acq: 15 May 2024 12:08

Instrument :

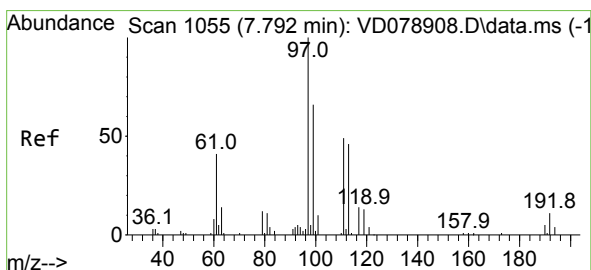
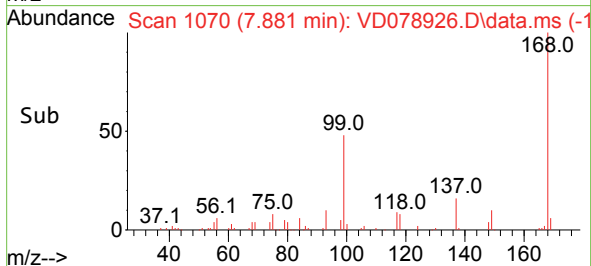
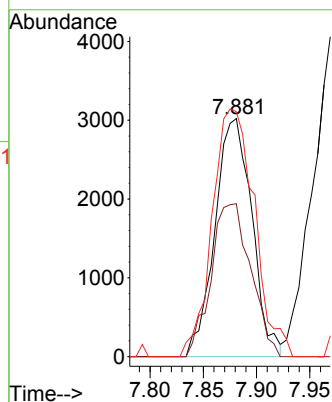
MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:	56	Resp:	7309
Ion	Ratio	Lower	Upper
56	100		
69	64.2	28.0	42.0#
84	102.9	87.4	131.0



#32

1,1,1-Trichloroethane

Concen: 4.279 ug/l

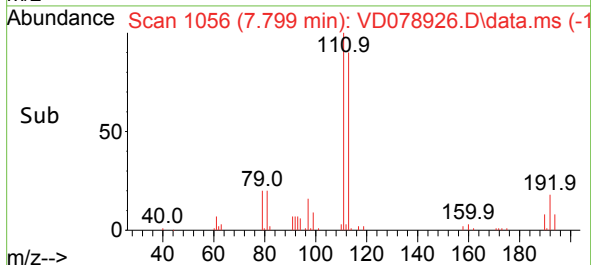
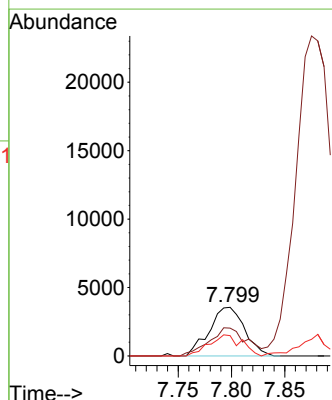
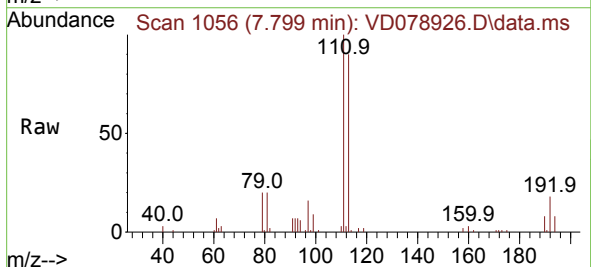
RT: 7.799 min Scan# 1056

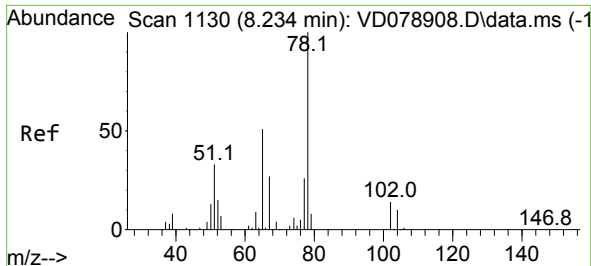
Delta R.T. 0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Tgt Ion:	97	Resp:	8176
Ion	Ratio	Lower	Upper
97	100		
99	61.1	51.3	76.9
61	39.8	31.4	47.2





#33

1,2-Dichloroethane-d4

Concen: 46.502 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

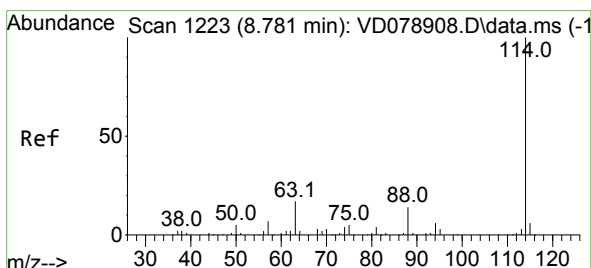
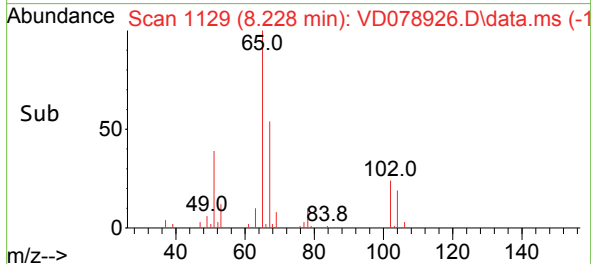
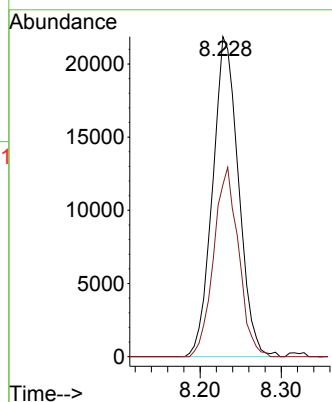
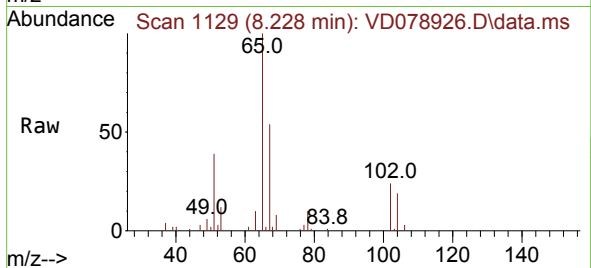
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 65 Resp: 48515

Ion Ratio Lower Upper

65 100

67 56.7 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

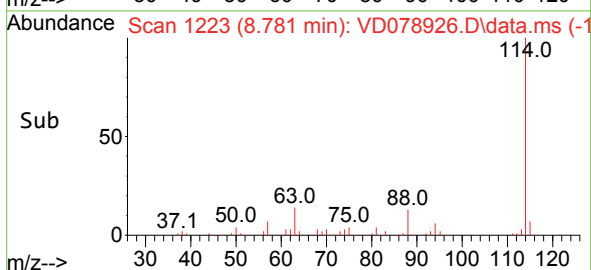
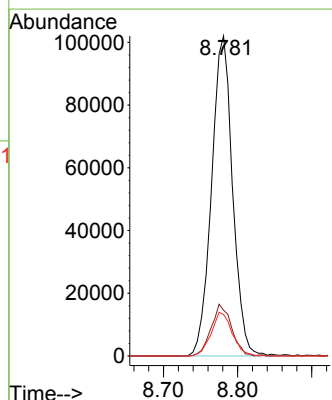
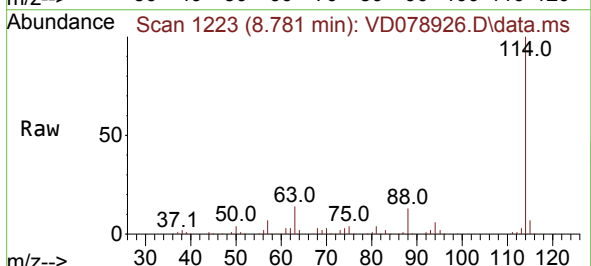
Tgt Ion: 114 Resp: 201189

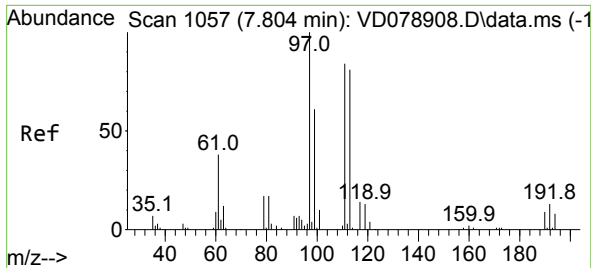
Ion Ratio Lower Upper

114 100

63 14.3 0.0 34.0

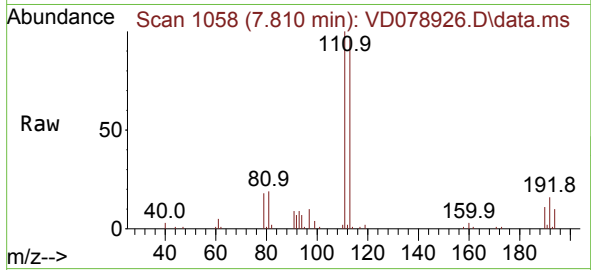
88 13.0 0.0 27.2



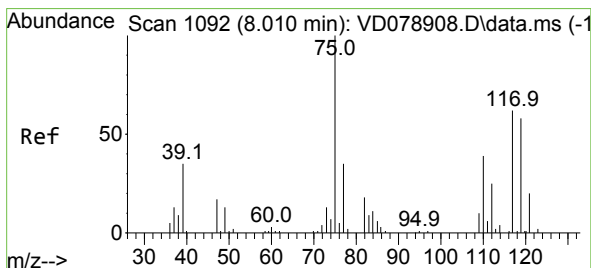
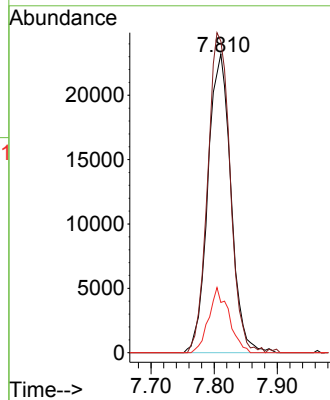
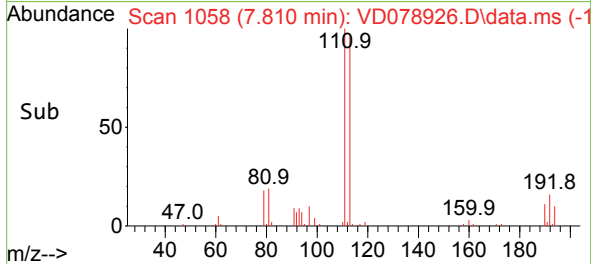


#35
Dibromofluoromethane
Concen: 43.993 ug/l
RT: 7.810 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

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

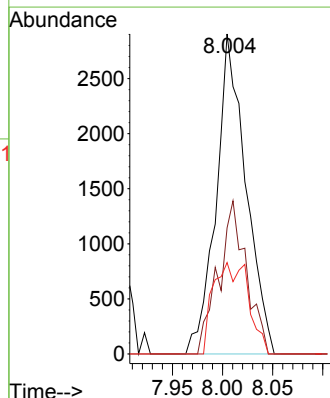
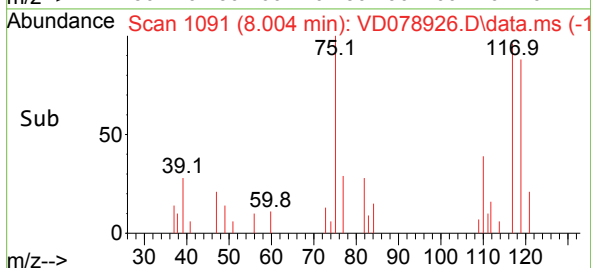
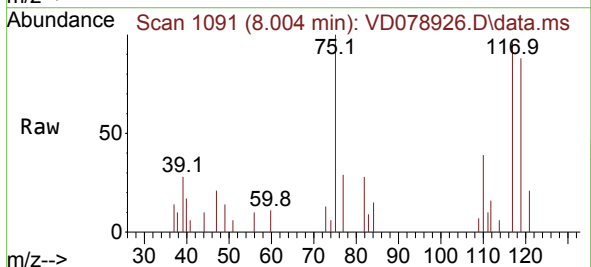


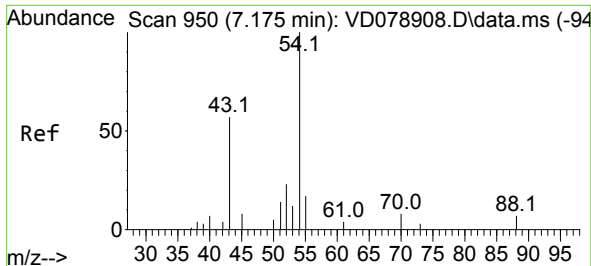
Tgt Ion:113 Resp: 58917
Ion Ratio Lower Upper
113 100
111 104.1 84.0 126.0
192 19.2 15.4 23.0



#36
1,1-Dichloropropene
Concen: 3.594 ug/l
RT: 8.004 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 75 Resp: 5989
Ion Ratio Lower Upper
75 100
110 44.8 19.6 58.7
77 33.8 26.1 39.1





#37

Ethyl Acetate

Concen: 3.416 ug/l

RT: 7.175 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD078926.D

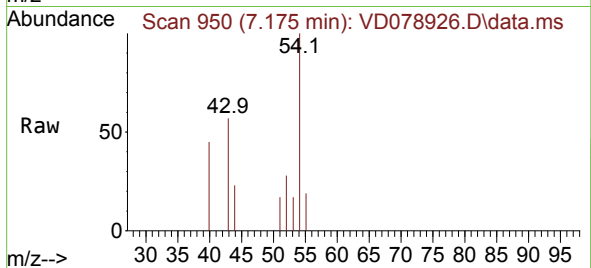
Acq: 15 May 2024 12:08

Instrument :

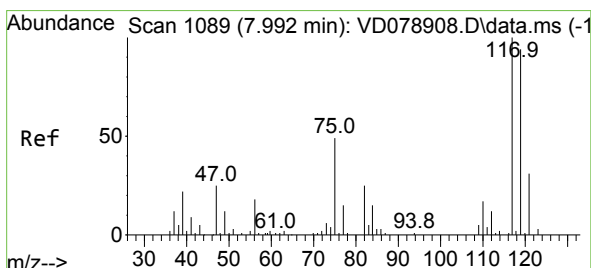
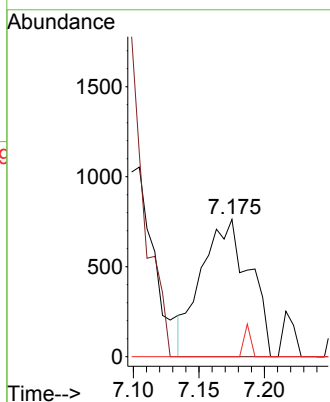
MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



Tgt Ion:	43	Resp:	1940
Ion Ratio	Lower	Upper	
43	100		
61	0.0	13.9	20.9#
70	3.3	9.8	14.6#



#38

Carbon Tetrachloride

Concen: 3.968 ug/l

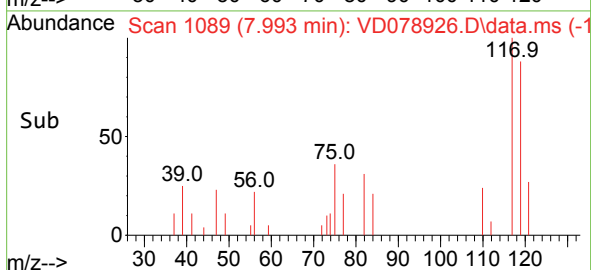
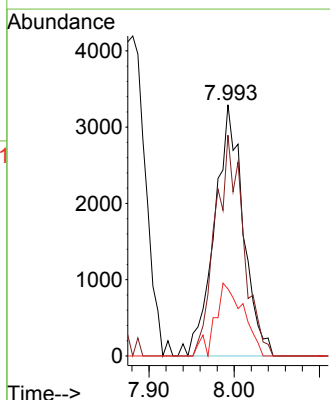
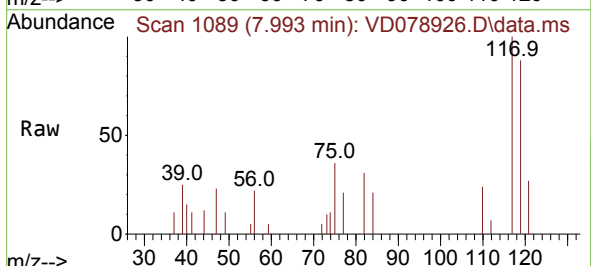
RT: 7.993 min Scan# 1089

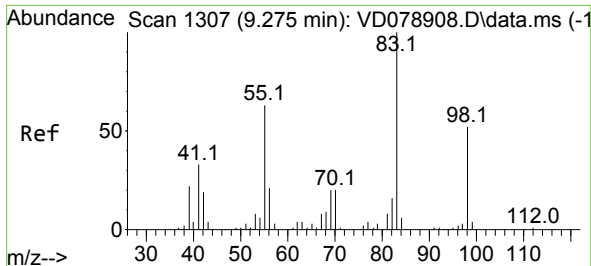
Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Tgt Ion:	117	Resp:	7738
Ion Ratio	Lower	Upper	
117	100		
119	87.9	75.4	113.0
121	26.7	25.0	37.4

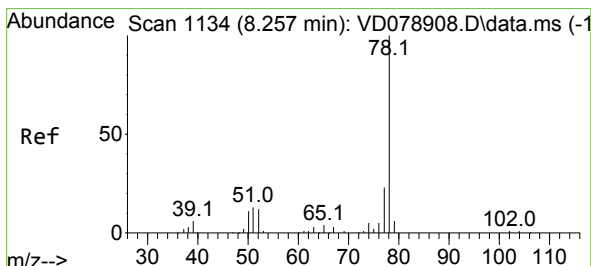
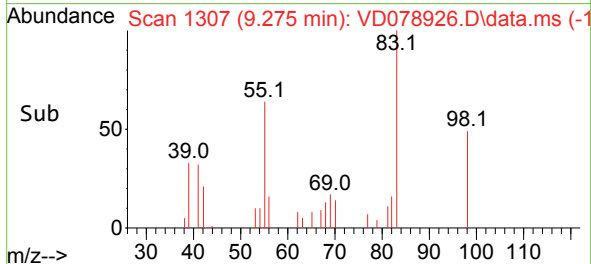
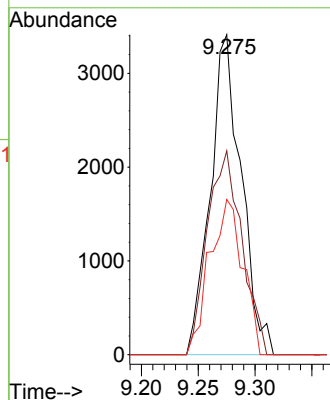
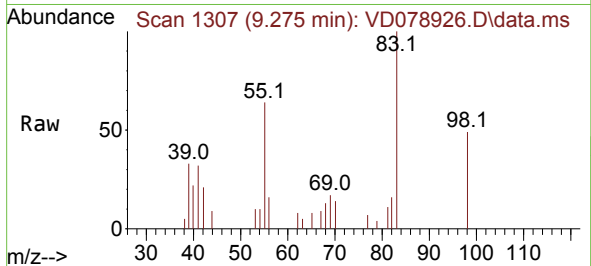




#39
Methylcyclohexane
Concen: 3.189 ug/l
RT: 9.275 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

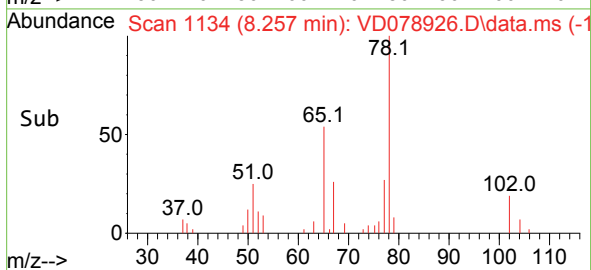
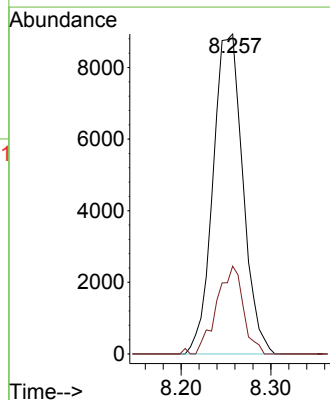
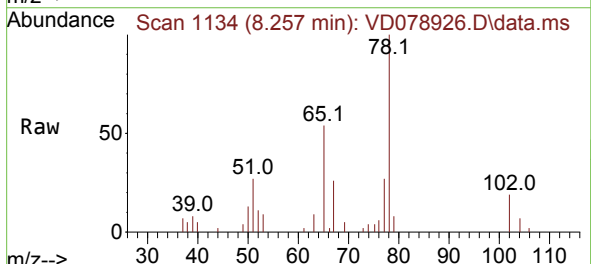
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

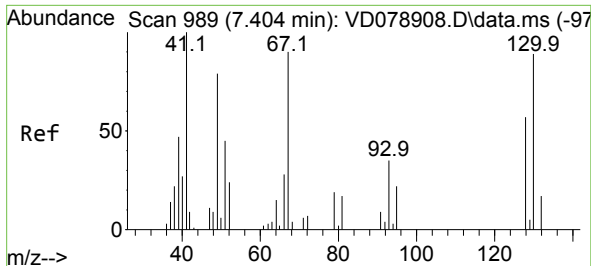
Tgt Ion: 83	Resp: 6458
Ion Ratio	Lower Upper
83 100	
55 63.7	50.1 75.1
98 48.5	41.9 62.9



#40
Benzene
Concen: 3.827 ug/l
RT: 8.257 min Scan# 1134
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

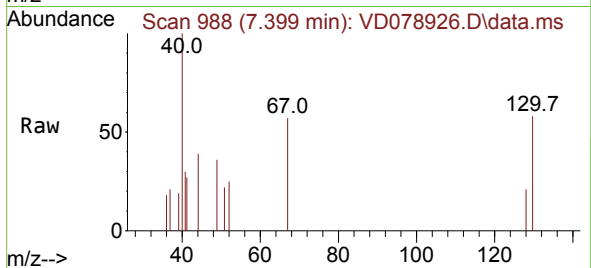
Tgt Ion: 78	Resp: 20629
Ion Ratio	Lower Upper
78 100	
77 27.4	18.1 27.1#



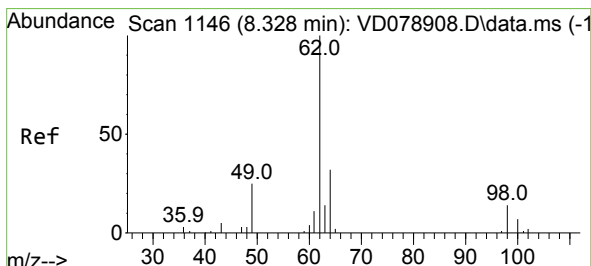
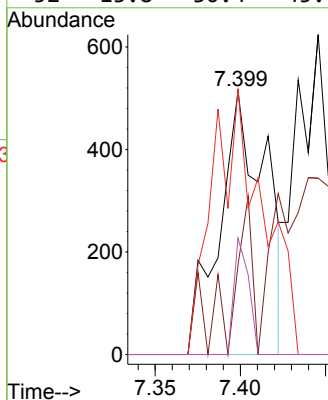
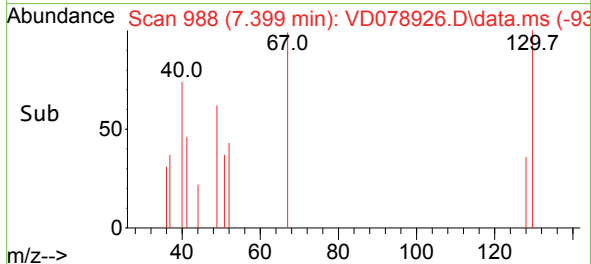


#41
Methacrylonitrile
Concen: 3.197 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

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

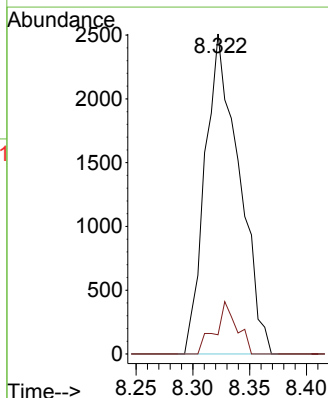
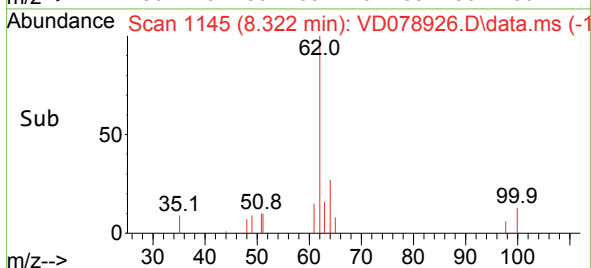
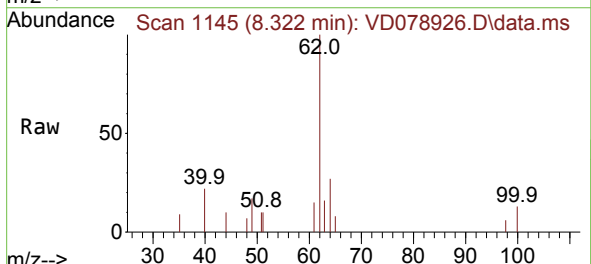


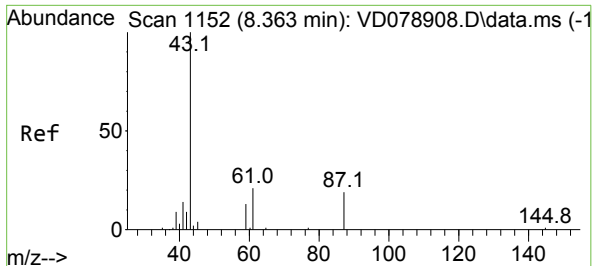
Tgt Ion: 41 Resp: 977
Ion Ratio Lower Upper
41 100
39 23.1 41.4 62.0#
67 0.0 85.8 128.6#
52 13.8 30.4 45.6#



#42
1,2-Dichloroethane
Concen: 3.992 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 62 Resp: 5209
Ion Ratio Lower Upper
62 100
98 10.4 0.0 25.8

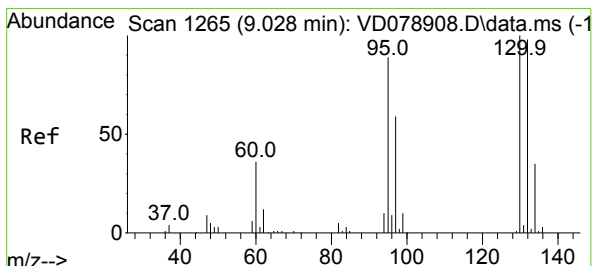
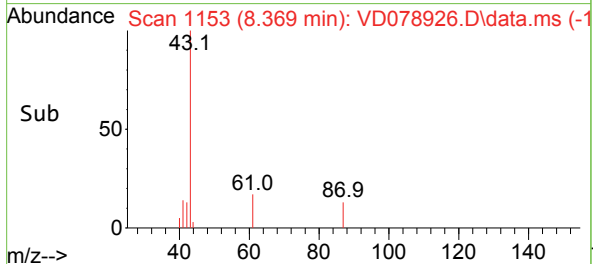
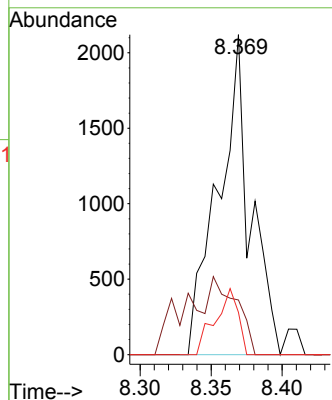
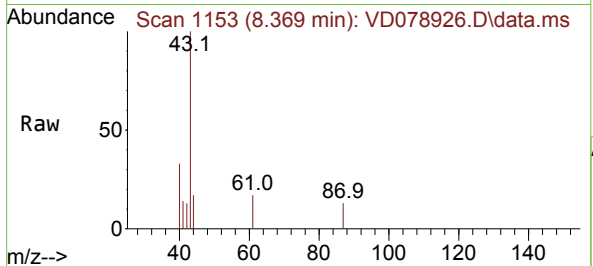




#43
Isopropyl Acetate
Concen: 3.308 ug/l
RT: 8.369 min Scan# 1153
Delta R.T. 0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

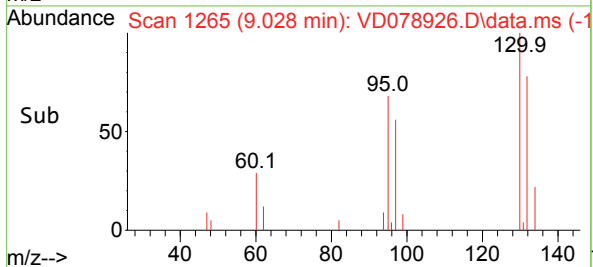
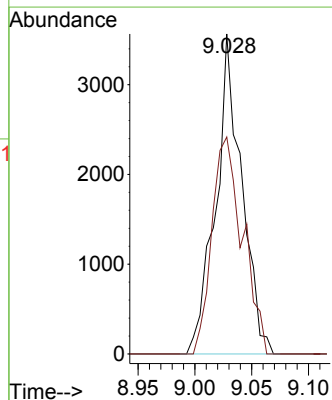
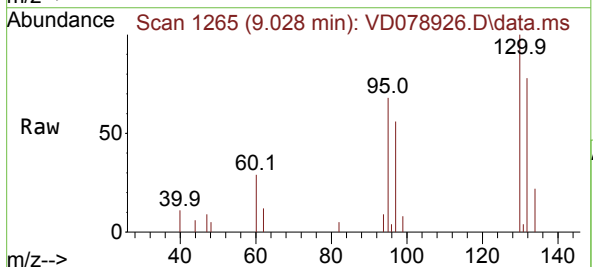
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

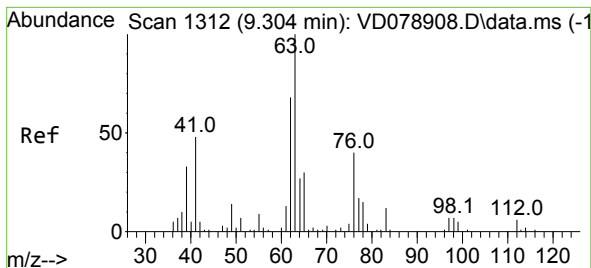
Tgt Ion: 43 Resp: 3334
Ion Ratio Lower Upper
43 100
61 38.2 29.3 43.9
87 14.7 14.9 22.3#



#44
Trichloroethene
Concen: 3.962 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion:130 Resp: 5665
Ion Ratio Lower Upper
130 100
95 67.8 0.0 177.8





#45

1,2-Dichloropropane

Concen: 3.945 ug/l

RT: 9.304 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

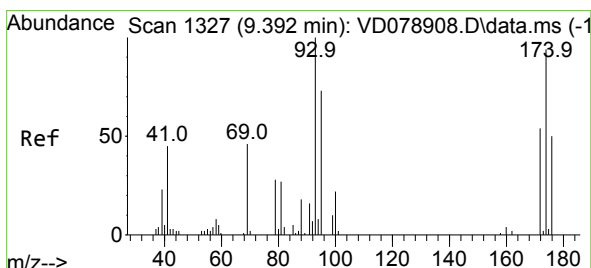
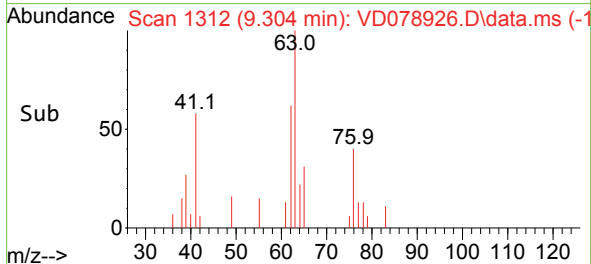
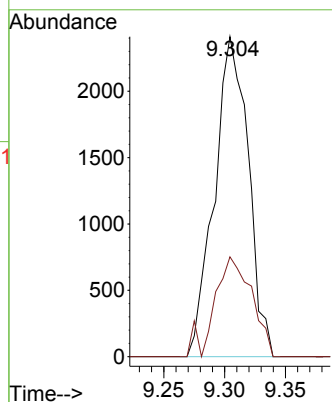
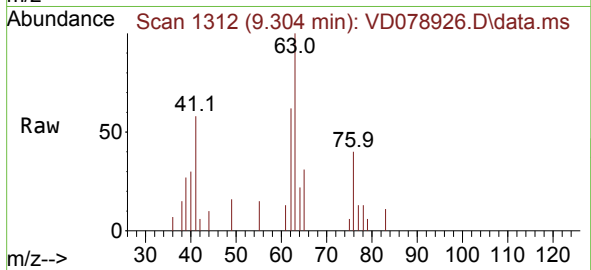
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 63 Resp: 4673

Ion Ratio Lower Upper

63 100

65 31.2 23.8 35.8



#46

Dibromomethane

Concen: 3.537 ug/l

RT: 9.399 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

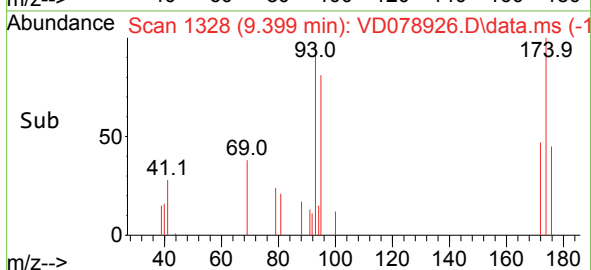
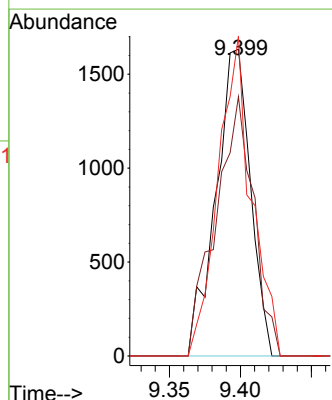
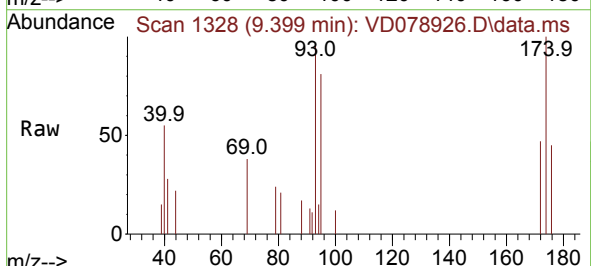
Tgt Ion: 93 Resp: 2758

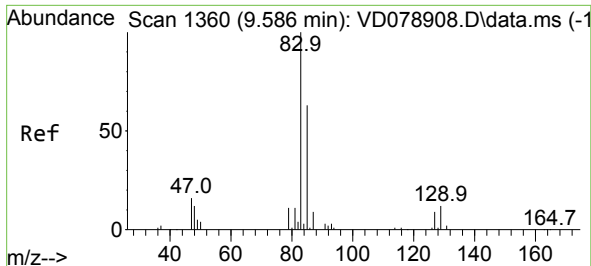
Ion Ratio Lower Upper

93 100

95 92.4 65.6 98.4

174 100.5 82.3 123.5

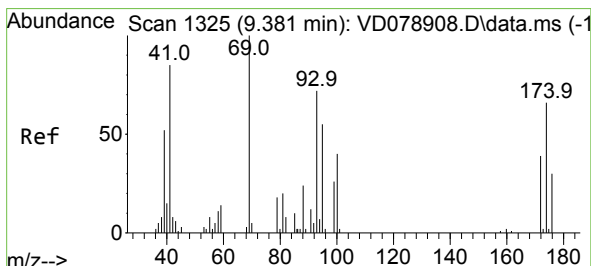
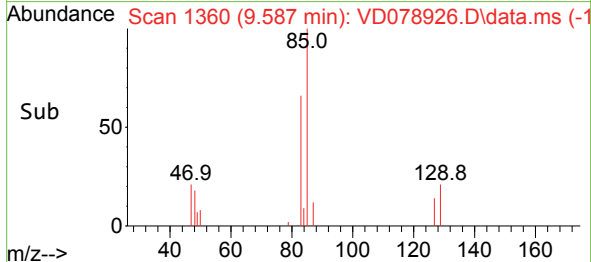
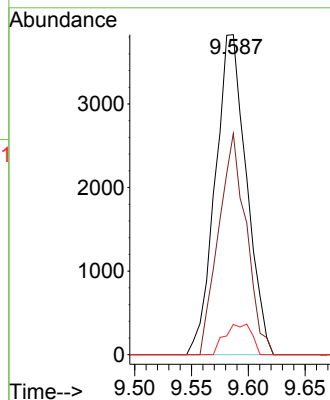
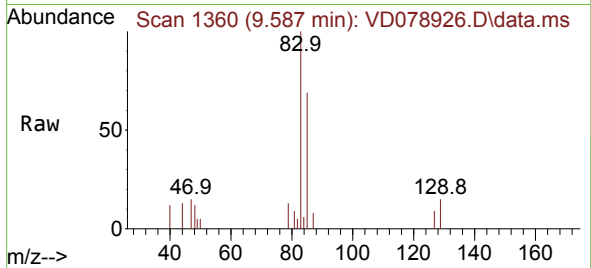




#47
Bromodichloromethane
Concen: 3.909 ug/l
RT: 9.587 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

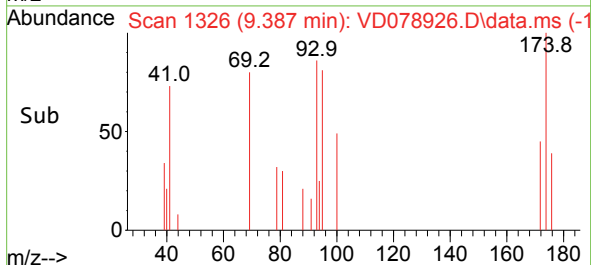
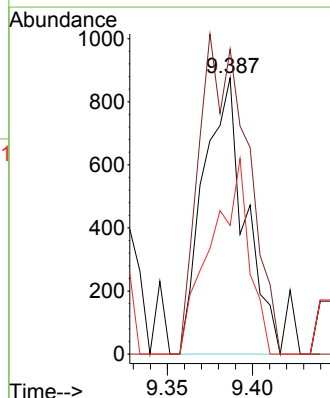
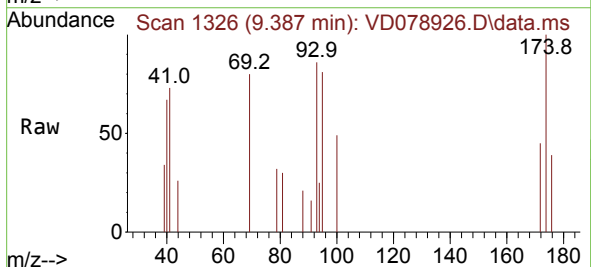
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

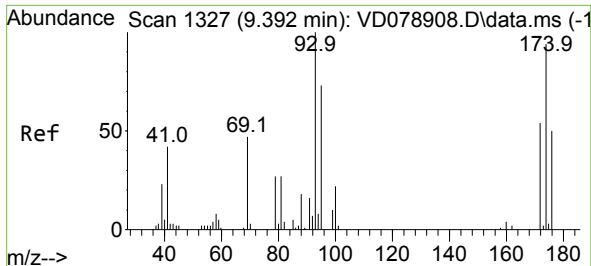
Tgt Ion: 83	Resp: 7338		
Ion Ratio	Lower	Upper	
83	100		
85	69.1	50.1	75.1
127	9.5	6.8	10.2



#48
Methyl methacrylate
Concen: 3.033 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. 0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 41	Resp: 1488		
Ion Ratio	Lower	Upper	
41	100		
69	134.4	96.7	145.1
39	64.0	43.8	65.6





#49

1,4-Dioxane

Concen: 62.252 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.011 min

Lab File: VD078926.D

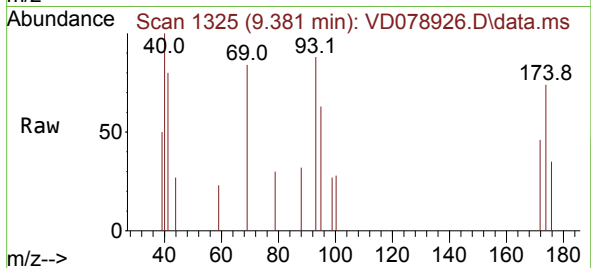
Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



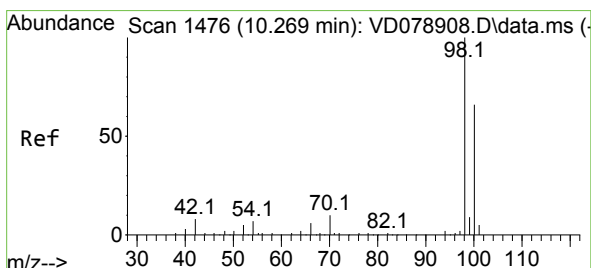
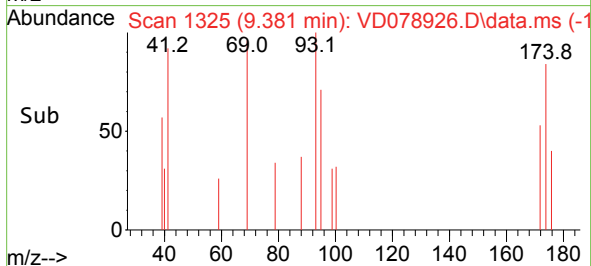
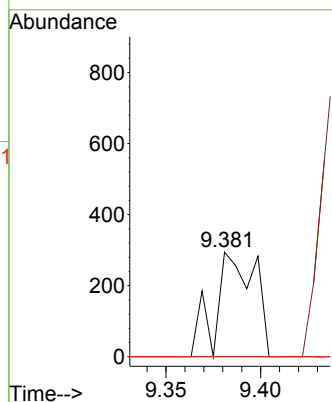
Tgt Ion: 88 Resp: 427

Ion Ratio Lower Upper

88 100

43 0.0 21.5 32.3#

58 0.0 42.2 63.4#



#50

Toluene-d8

Concen: 43.769 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078926.D

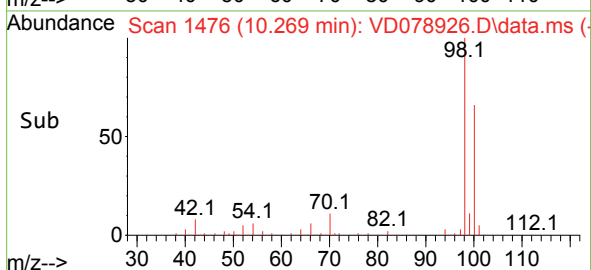
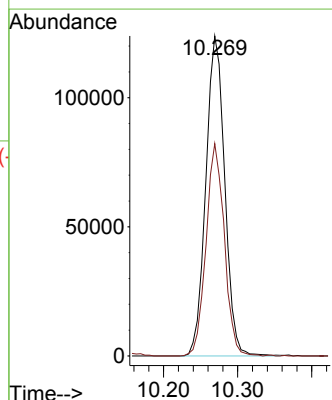
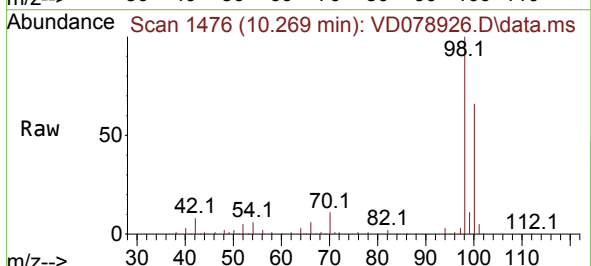
Acq: 15 May 2024 12:08

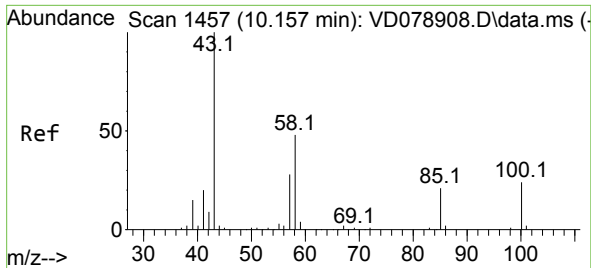
Tgt Ion: 98 Resp: 219746

Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4





#51

4-Methyl-2-Pentanone

Concen: 15.349 ug/l

RT: 10.157 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

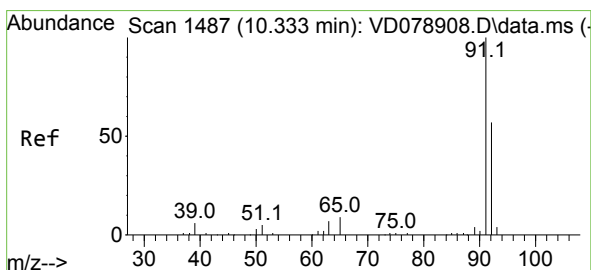
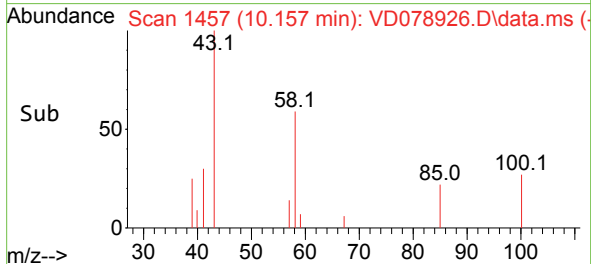
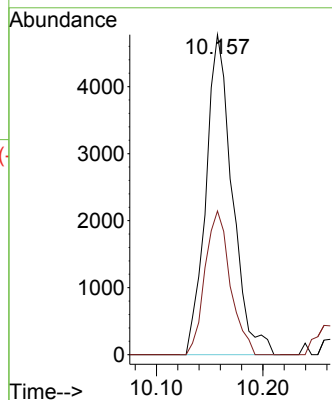
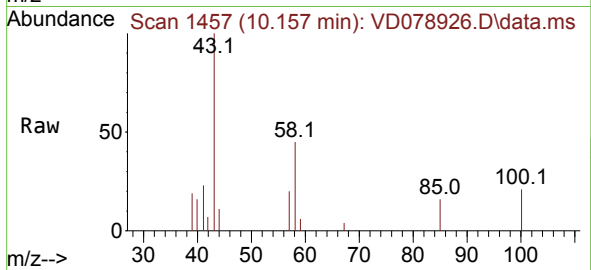
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 43 Resp: 8239

Ion Ratio Lower Upper

43 100

58 42.9 36.6 55.0



#52

Toluene

Concen: 3.793 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VD078926.D

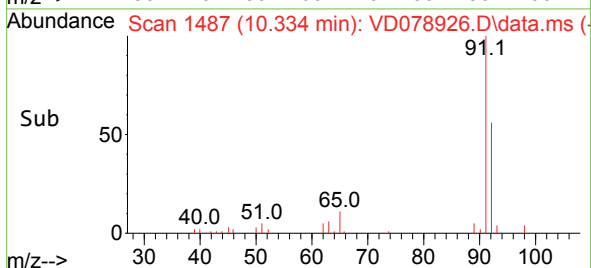
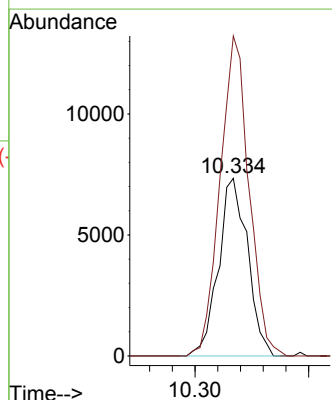
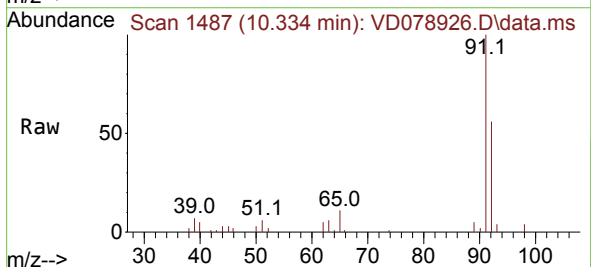
Acq: 15 May 2024 12:08

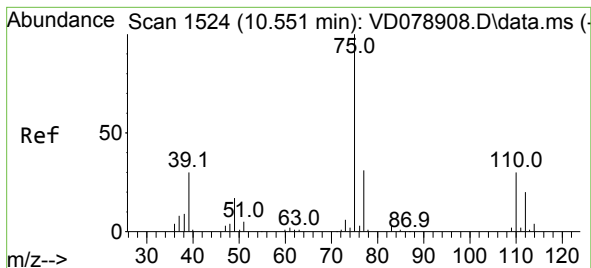
Tgt Ion: 92 Resp: 13086

Ion Ratio Lower Upper

92 100

91 178.8 141.7 212.5

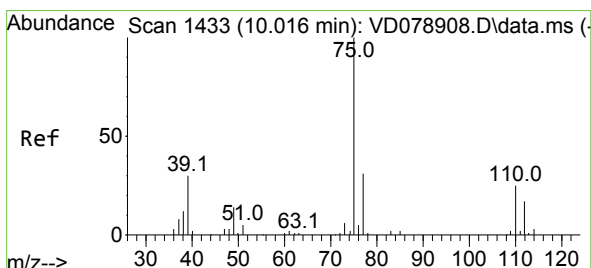
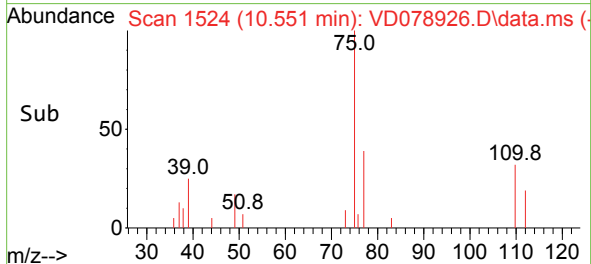
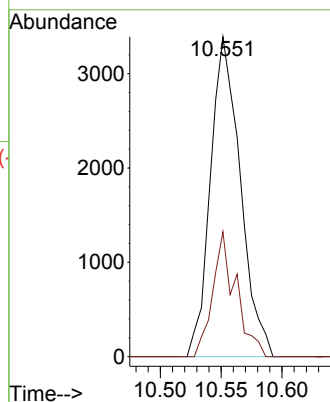
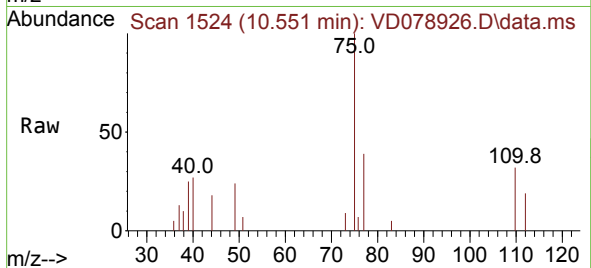




#53
 t-1,3-Dichloropropene
 Concen: 3.624 ug/l
 RT: 10.551 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD078926.D
 Acq: 15 May 2024 12:08

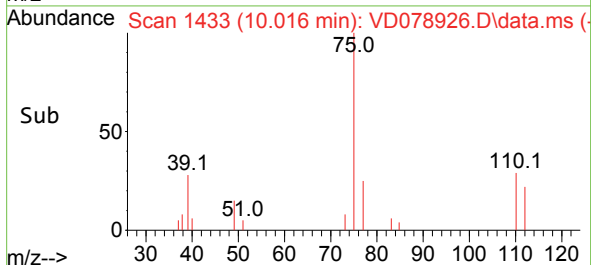
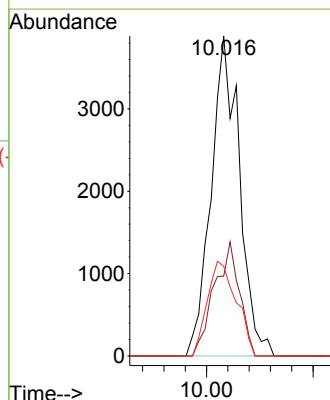
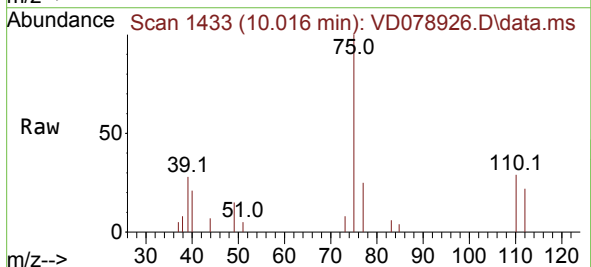
Instrument :
 MSVOA_D
 ClientSampleId :
 LOD-MDL-SOIL-01-QT2-2024

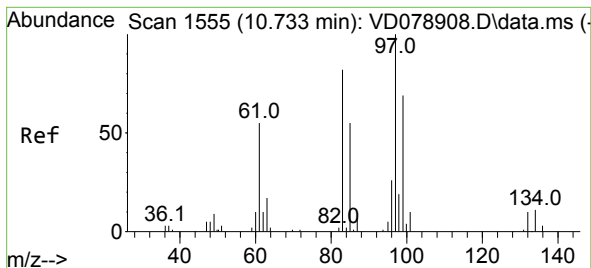
Tgt Ion: 75 Resp: 5781
 Ion Ratio Lower Upper
 75 100
 77 39.1 25.0 37.6#



#54
 cis-1,3-Dichloropropene
 Concen: 3.743 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD078926.D
 Acq: 15 May 2024 12:08

Tgt Ion: 75 Resp: 7165
 Ion Ratio Lower Upper
 75 100
 77 25.0 24.4 36.6
 39 28.0 24.2 36.2





#55

1,1,2-Trichloroethane

Concen: 4.011 ug/l

RT: 10.728 min Scan# 1554

Delta R.T. -0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 97 Resp: 4041

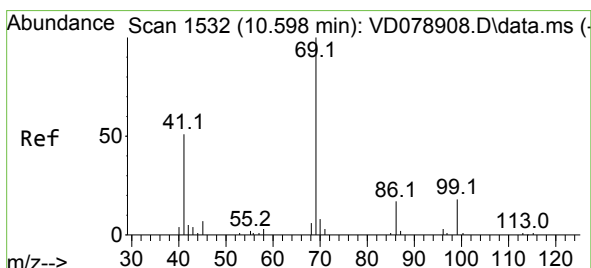
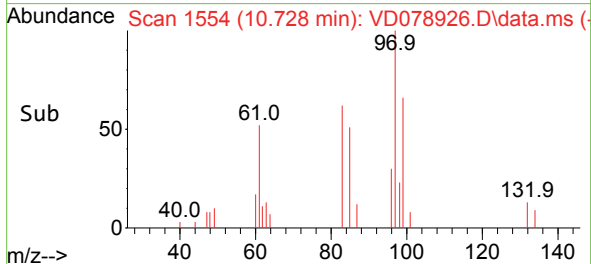
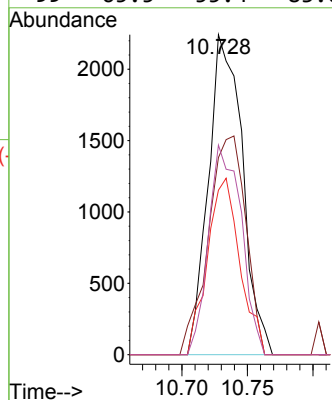
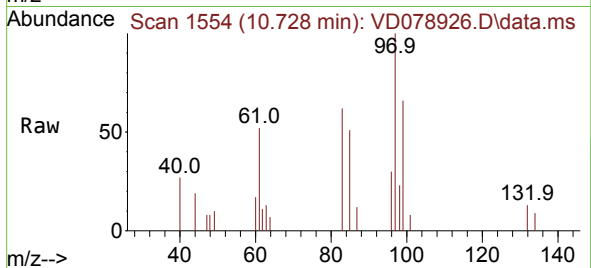
Ion Ratio Lower Upper

97 100

83 61.6 65.8 98.8#

85 51.4 43.8 65.8

99 65.5 55.4 83.0



#56

Ethyl methacrylate

Concen: 3.088 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

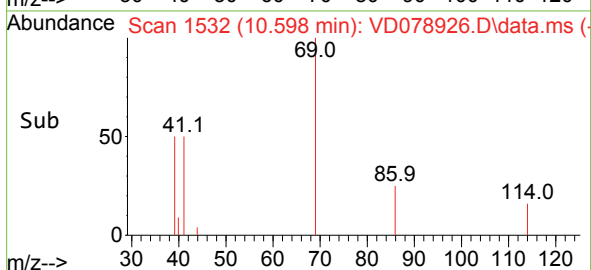
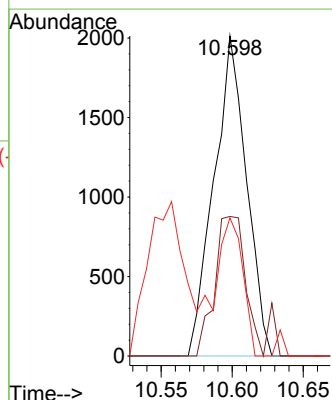
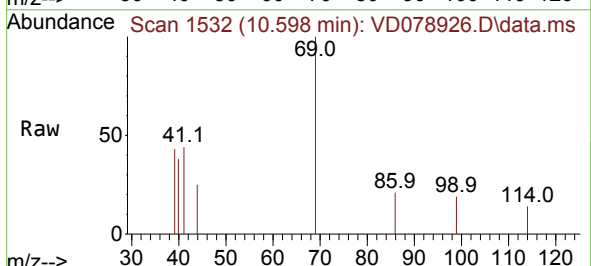
Tgt Ion: 69 Resp: 3201

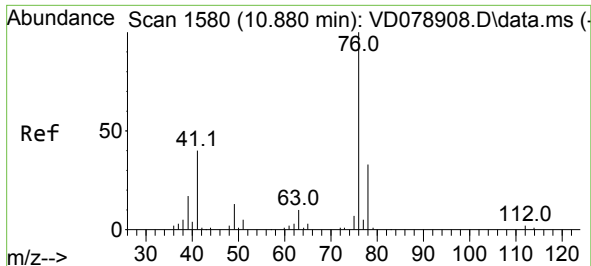
Ion Ratio Lower Upper

69 100

41 41.1 39.8 59.6

39 36.9 20.2 30.4#





#57

1,3-Dichloropropane

Concen: 3.557 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

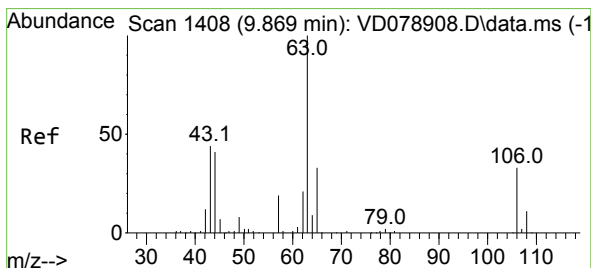
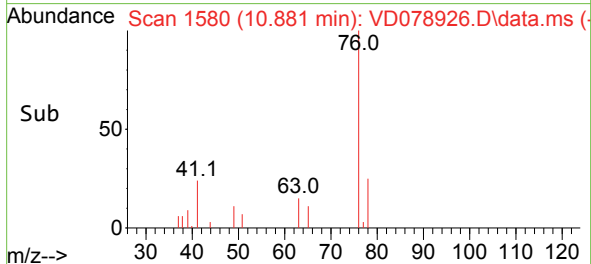
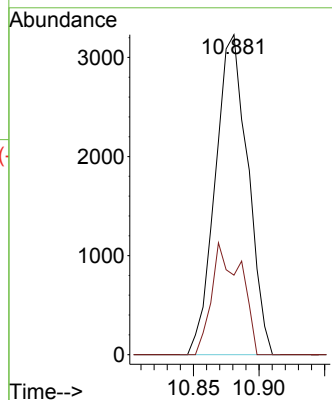
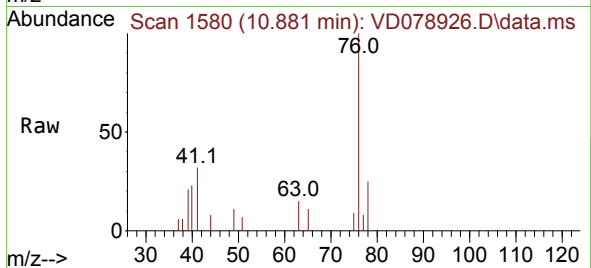
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 76 Resp: 5580

Ion Ratio Lower Upper

76 100

78 31.5 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 17.671 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078926.D

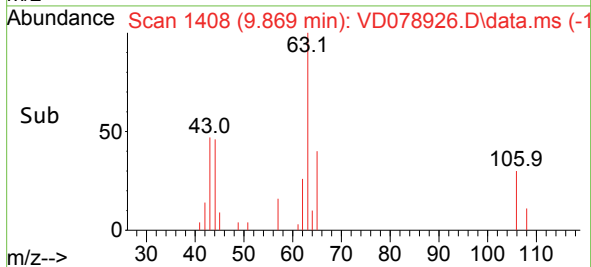
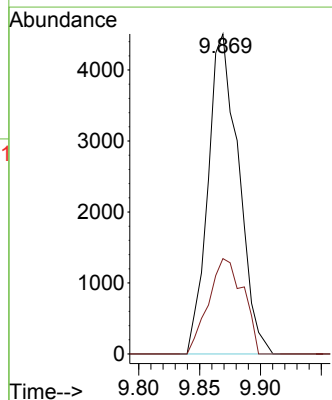
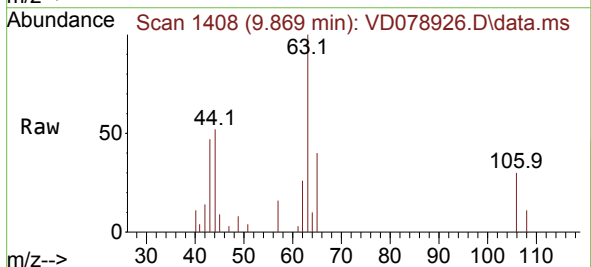
Acq: 15 May 2024 12:08

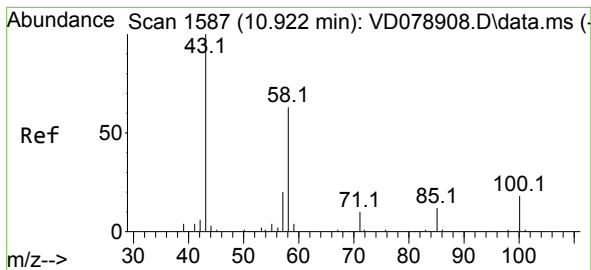
Tgt Ion: 63 Resp: 7870

Ion Ratio Lower Upper

63 100

106 33.9 26.4 39.6

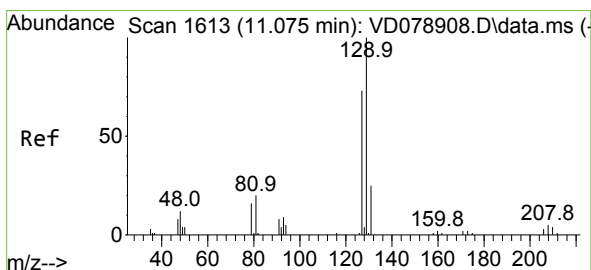
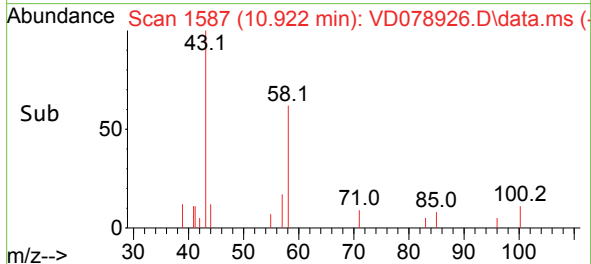
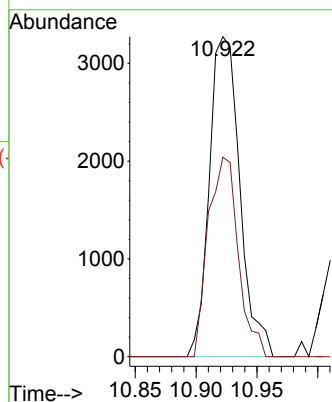
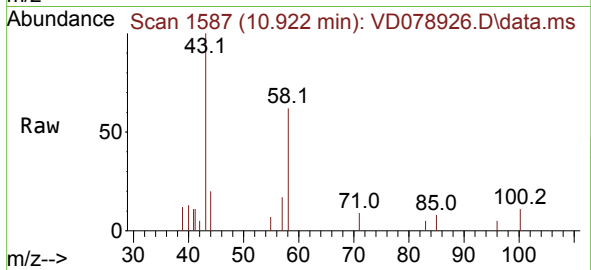




#59
2-Hexanone
Concen: 15.280 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

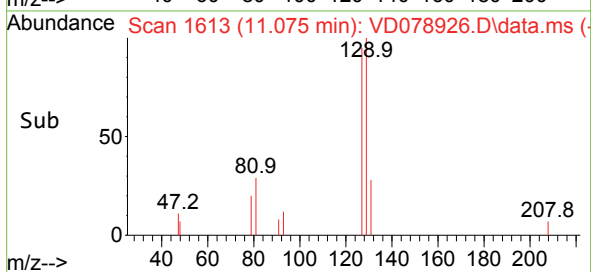
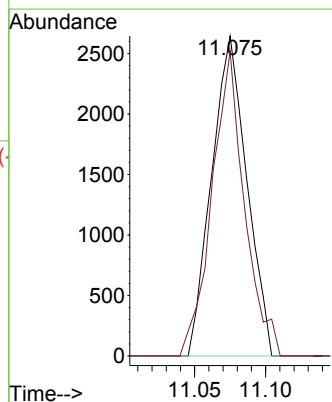
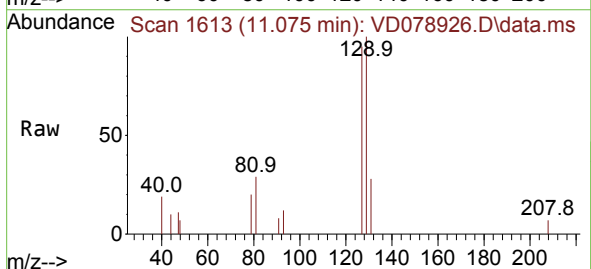
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

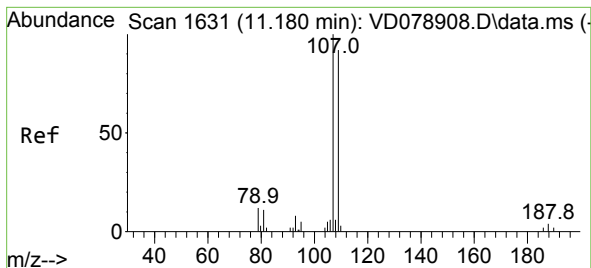
Tgt Ion: 43 Resp: 5709
Ion Ratio Lower Upper
43 100
58 61.3 31.1 93.5



#60
Dibromochloromethane
Concen: 3.309 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 129 Resp: 4545
Ion Ratio Lower Upper
129 100
127 88.1 38.0 113.9





#61

1,2-Dibromoethane

Concen: 3.781 ug/l

RT: 11.175 min Scan# 1

Delta R.T. -0.005 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

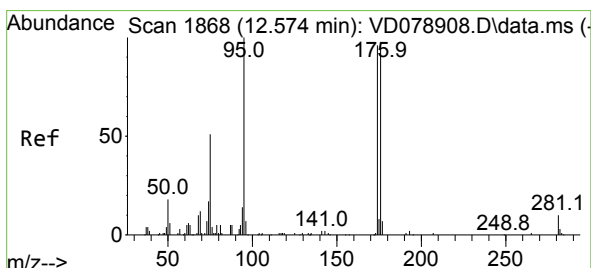
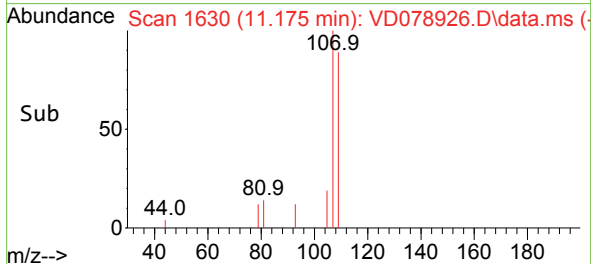
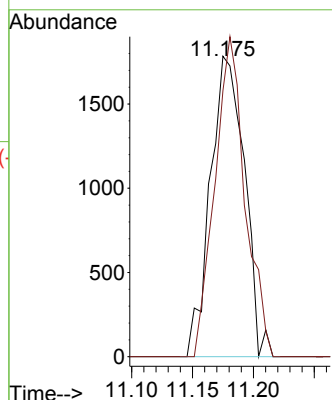
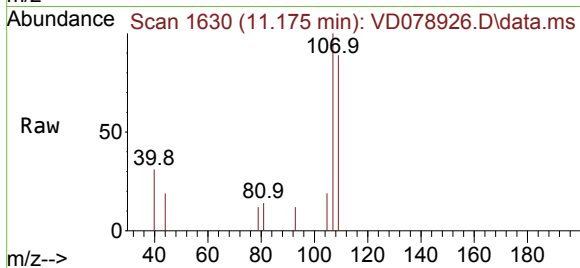
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:107 Resp: 3473

Ion Ratio Lower Upper

107 100

109 94.7 72.0 108.0



#62

4-Bromofluorobenzene

Concen: 40.443 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

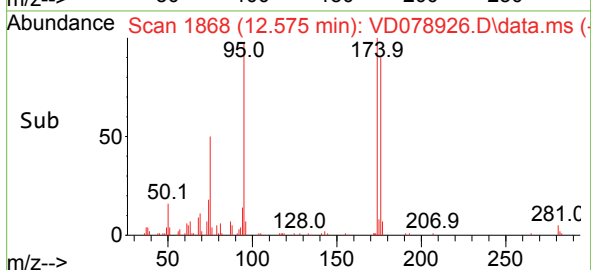
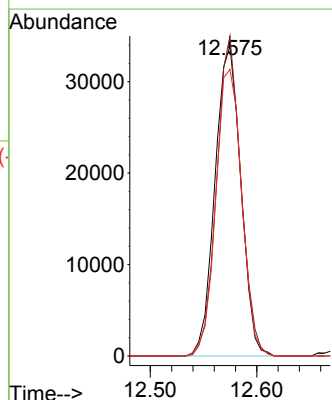
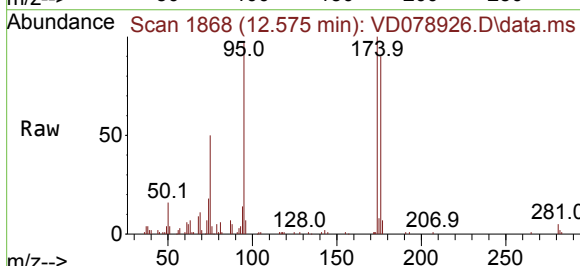
Tgt Ion: 95 Resp: 57042

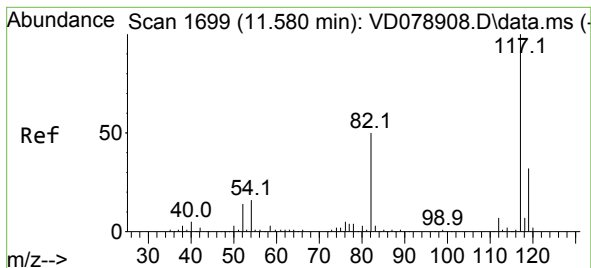
Ion Ratio Lower Upper

95 100

174 96.6 0.0 195.4

176 93.3 0.0 192.6

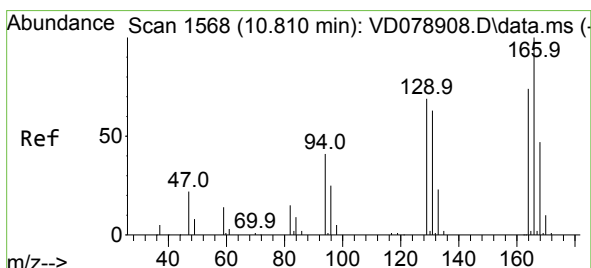
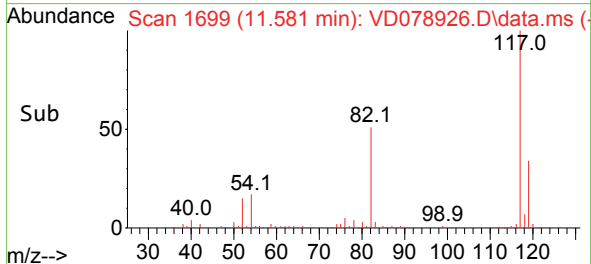
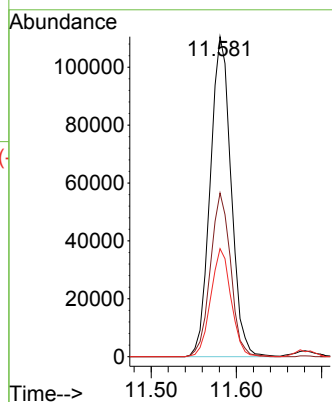
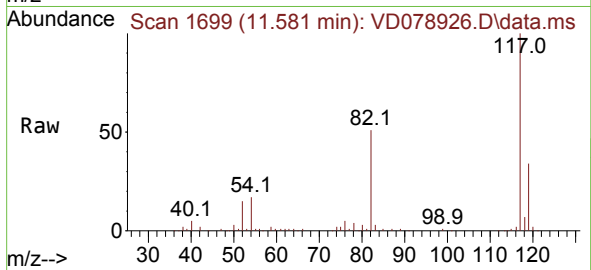




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

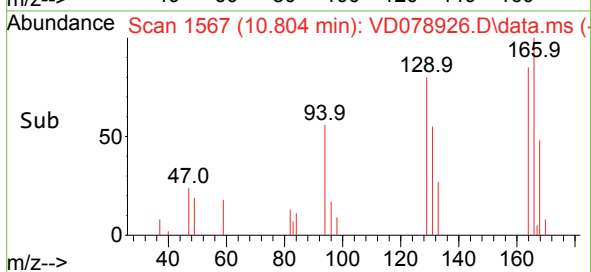
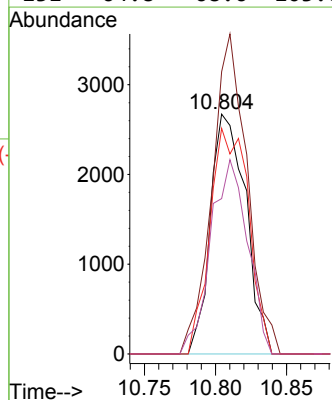
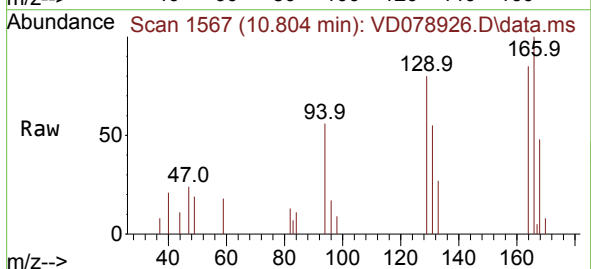
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

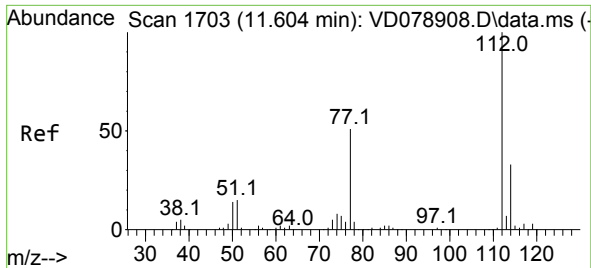
Tgt Ion:117 Resp: 187870
Ion Ratio Lower Upper
117 100
82 51.1 39.8 59.6
119 33.8 25.7 38.5



#64
Tetrachloroethene
Concen: 3.873 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion:164 Resp: 4616
Ion Ratio Lower Upper
164 100
166 117.7 108.6 163.0
129 94.1 74.6 112.0
131 64.8 68.6 103.0#

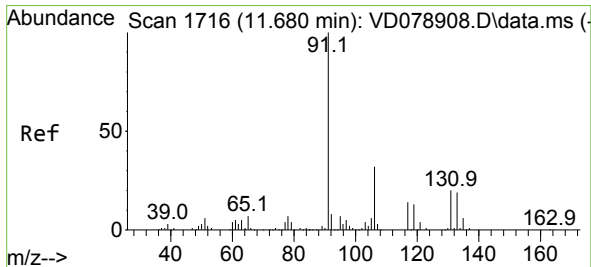
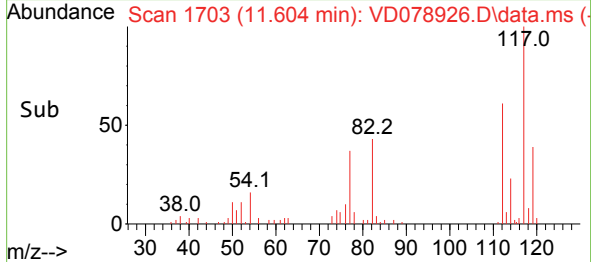
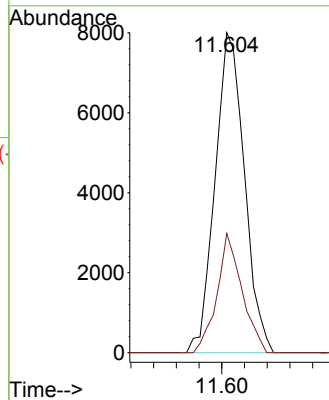
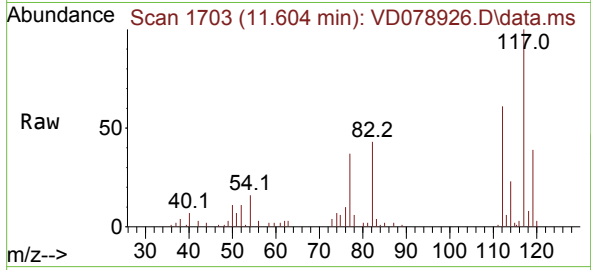




#65
Chlorobenzene
Concen: 3.668 ug/l
RT: 11.604 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

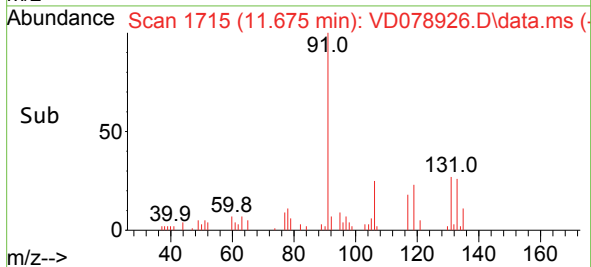
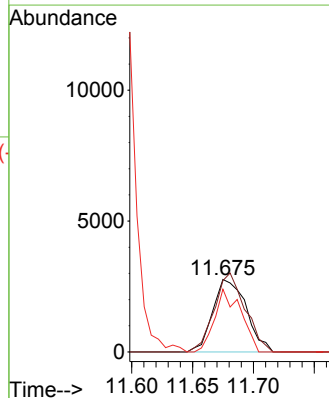
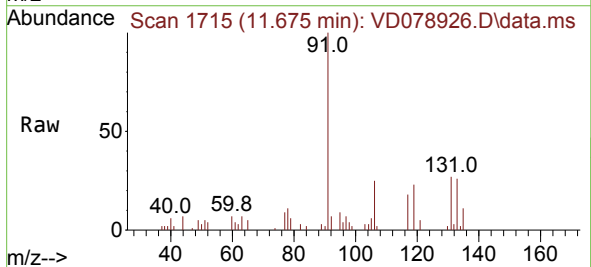
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

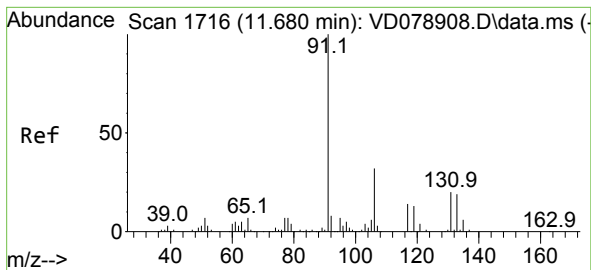
Tgt Ion:112 Resp: 14335
Ion Ratio Lower Upper
112 100
114 37.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 3.930 ug/l
RT: 11.675 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion:131 Resp: 5309
Ion Ratio Lower Upper
131 100
133 100.7 49.2 147.6
119 67.7 33.4 100.2





#67

Ethyl Benzene

Concen: 3.532 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

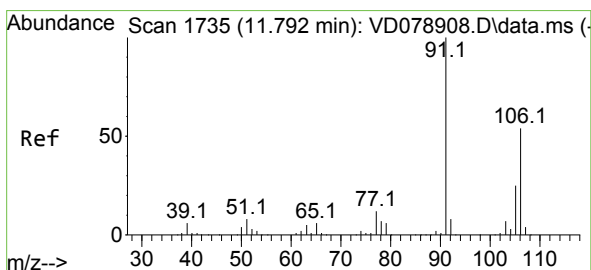
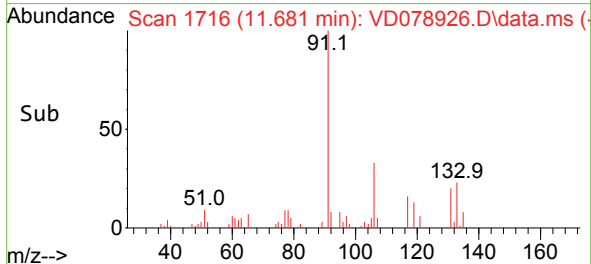
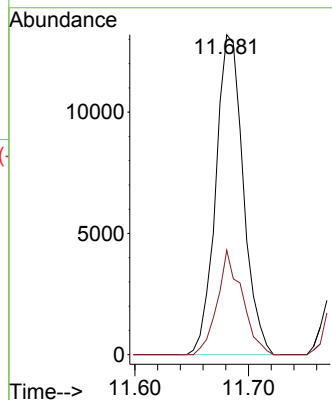
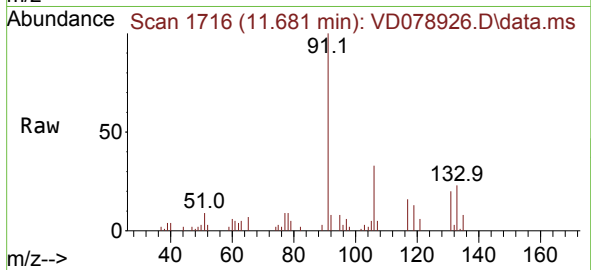
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 91 Resp: 22203

Ion Ratio Lower Upper

91 100

106 32.6 25.8 38.6



#68

m/p-Xylenes

Concen: 6.428 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. 0.000 min

Lab File: VD078926.D

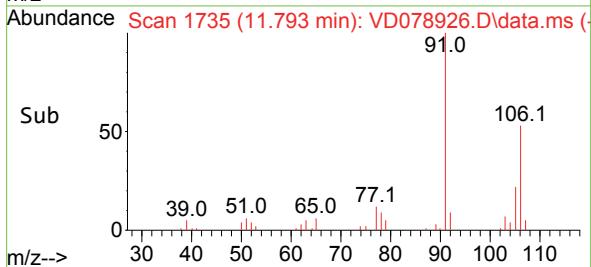
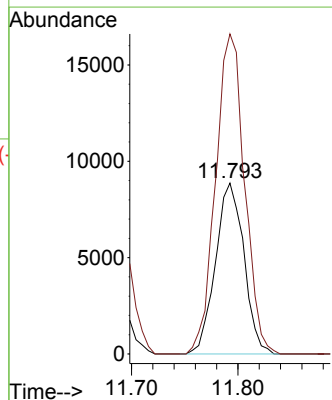
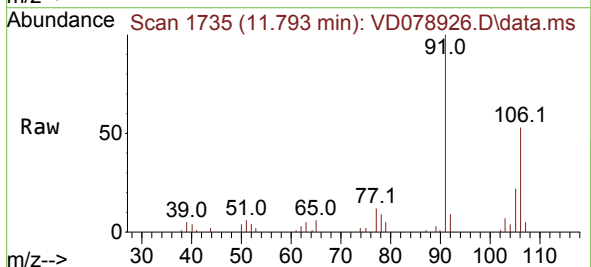
Acq: 15 May 2024 12:08

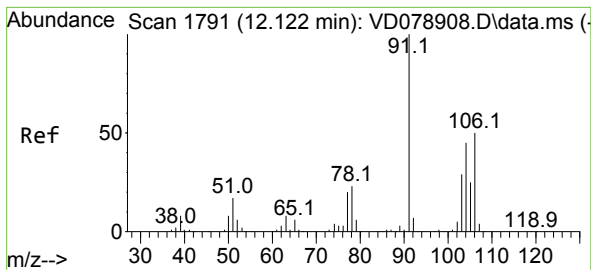
Tgt Ion: 106 Resp: 16427

Ion Ratio Lower Upper

106 100

91 191.1 148.5 222.7

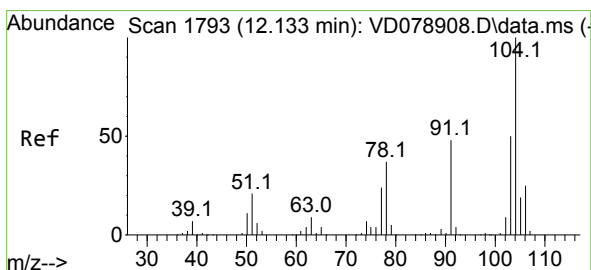
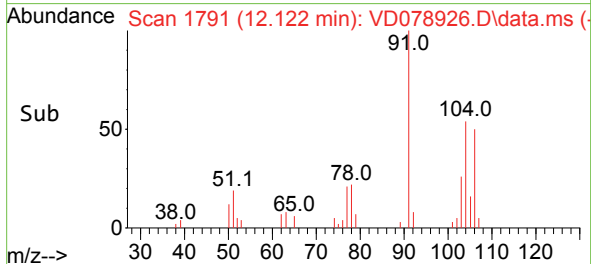
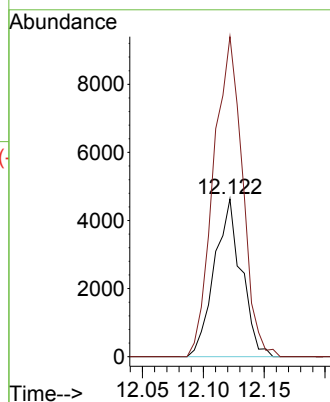
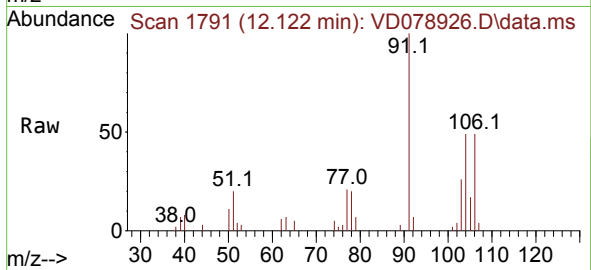




#69
o-Xylene
Concen: 3.072 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

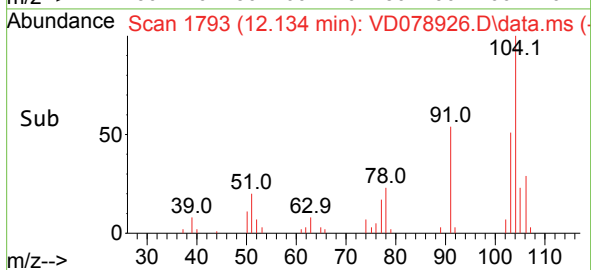
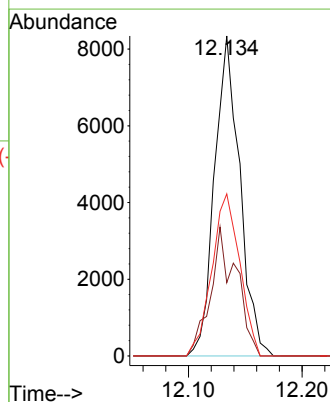
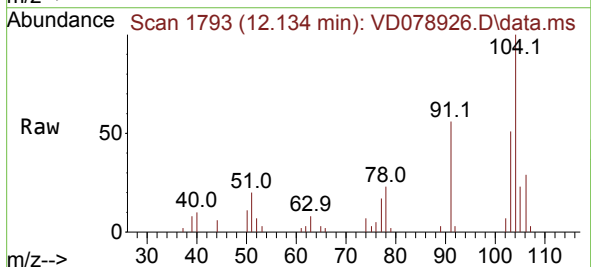
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

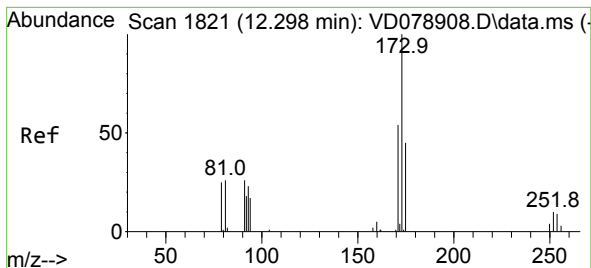
Tgt Ion:106 Resp: 7157
Ion Ratio Lower Upper
106 100
91 216.9 96.7 290.1



#70
Styrene
Concen: 3.117 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion:104 Resp: 12869
Ion Ratio Lower Upper
104 100
78 41.3 33.0 49.6
103 56.1 44.2 66.4





#71

Bromoform

Concen: 3.959 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD078926.D

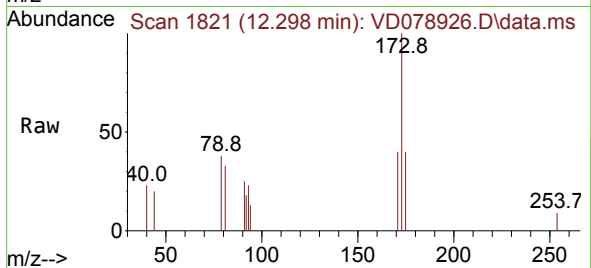
Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



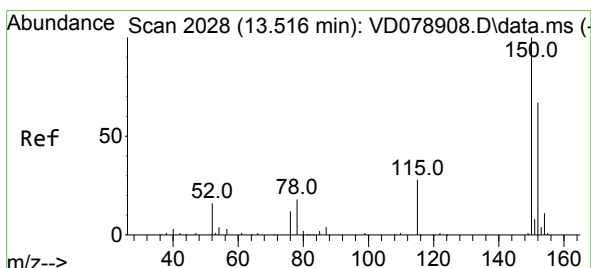
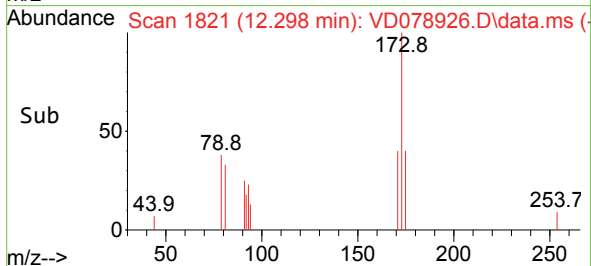
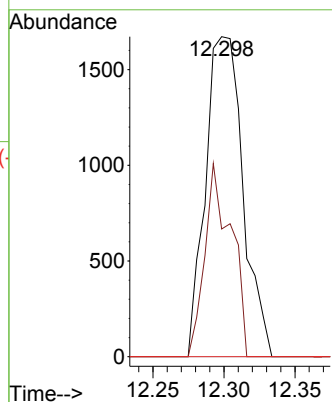
Tgt Ion:173 Resp: 3064

Ion Ratio Lower Upper

173 100

175 42.5 23.7 71.1

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

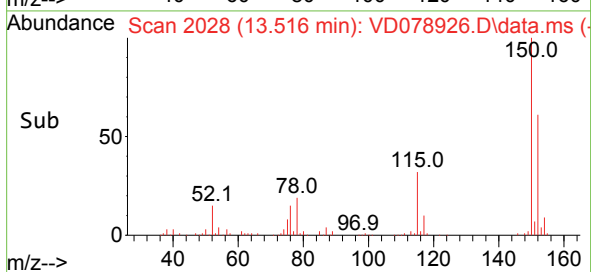
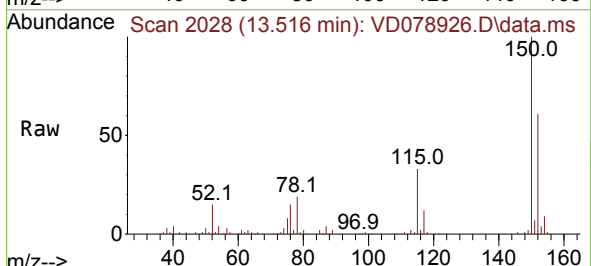
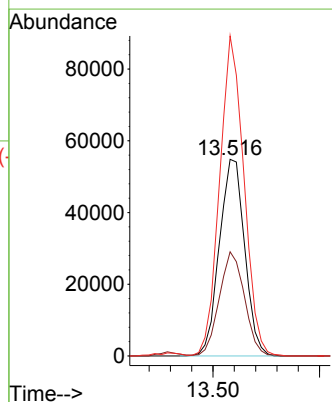
Tgt Ion:152 Resp: 90491

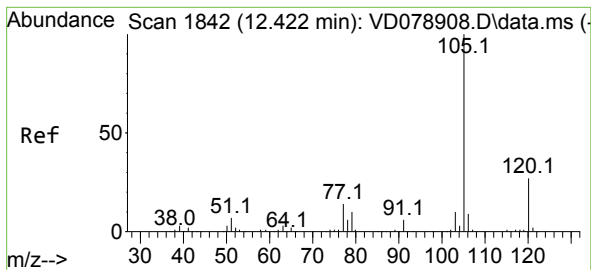
Ion Ratio Lower Upper

152 100

115 52.7 26.5 79.5

150 156.2 0.0 341.6





#73

Isopropylbenzene

Concen: 3.337 ug/l

RT: 12.422 min Scan# 1842

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

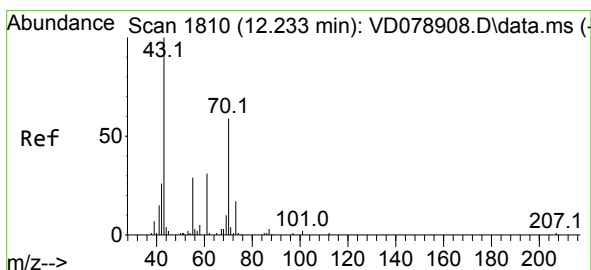
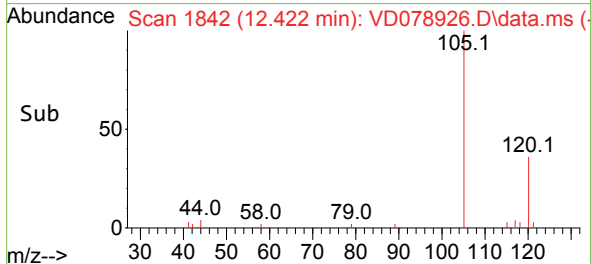
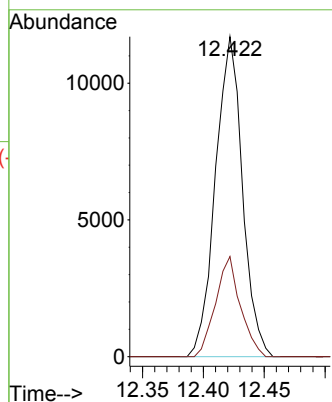
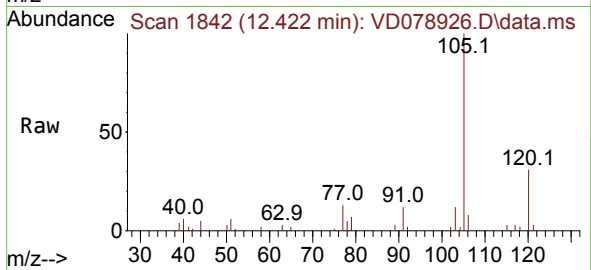
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:105 Resp: 18021

Ion Ratio Lower Upper

105 100

120 28.7 13.6 40.7



#74

N-ethyl acetate

Concen: 2.957 ug/l

RT: 12.240 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Tgt Ion: 43 Resp: 2591

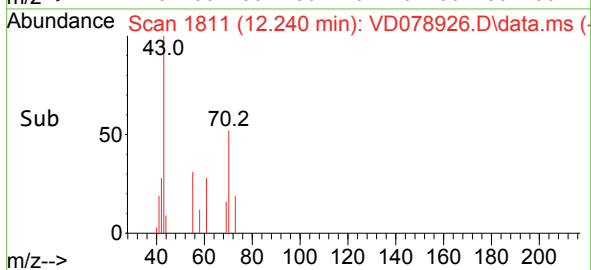
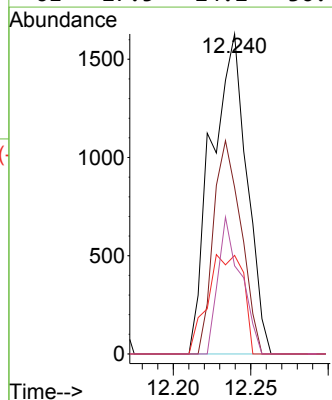
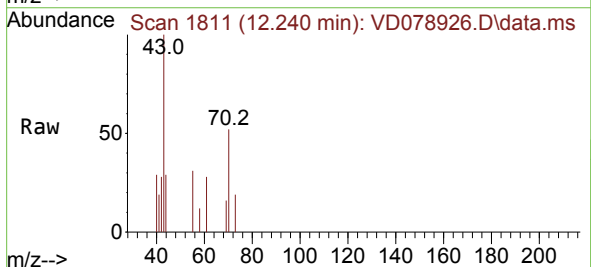
Ion Ratio Lower Upper

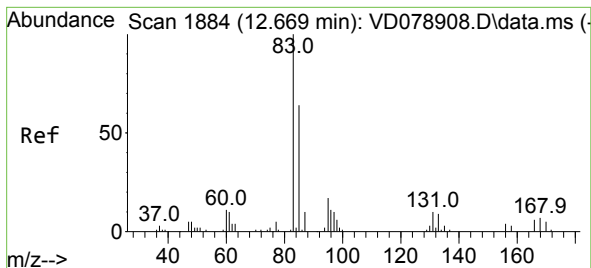
43 100

70 52.1 44.3 66.5

55 31.2 23.2 34.8

61 27.5 24.2 36.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.157 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

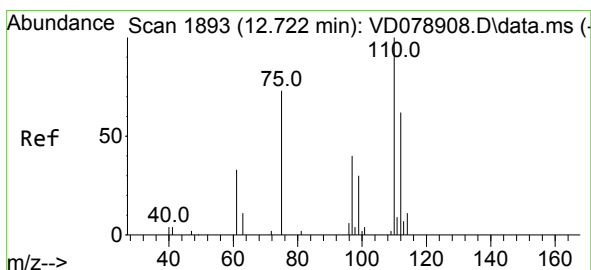
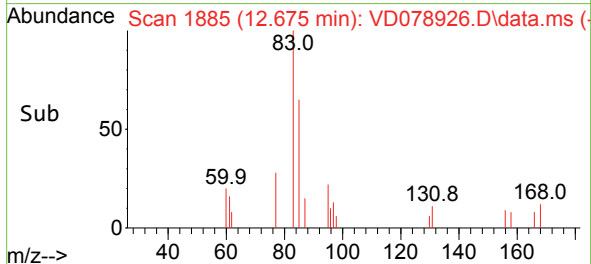
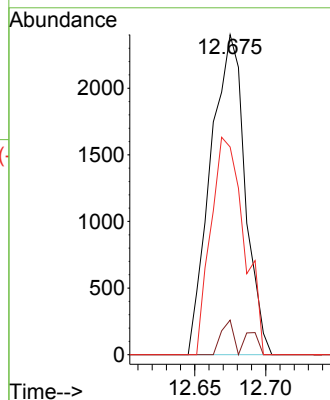
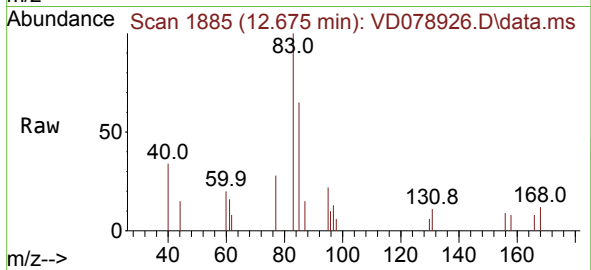
Tgt Ion: 83 Resp: 4050

Ion Ratio Lower Upper

83 100

131 3.8 5.5 16.5#

85 65.2 33.8 101.3



#76

1,2,3-Trichloropropane

Concen: 7.461 ug/l

RT: 12.710 min Scan# 1891

Delta R.T. -0.011 min

Lab File: VD078926.D

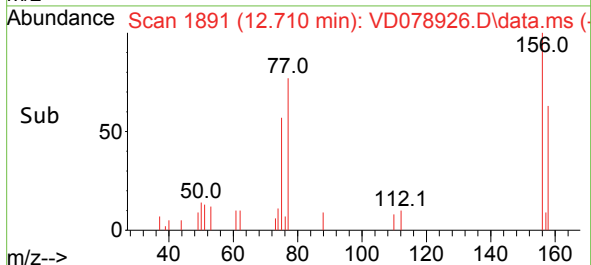
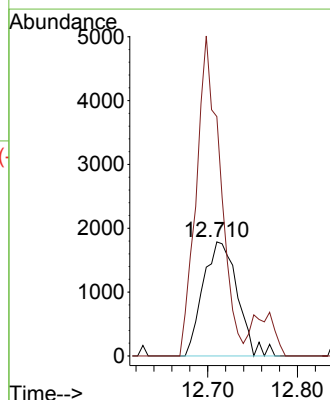
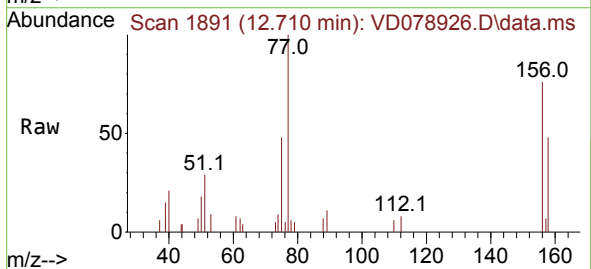
Acq: 15 May 2024 12:08

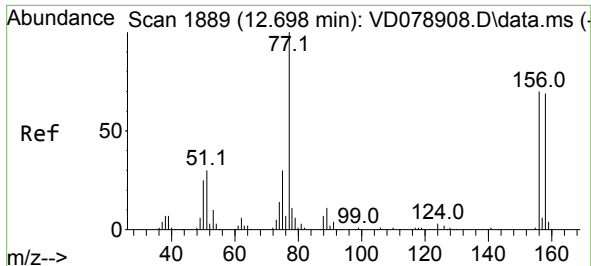
Tgt Ion: 75 Resp: 4753

Ion Ratio Lower Upper

75 100

77 195.9 0.0 0.0#

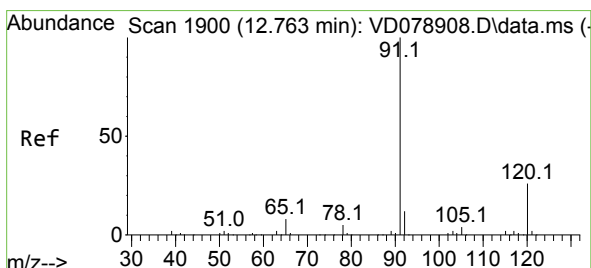
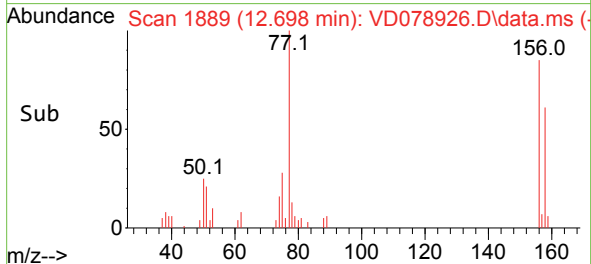
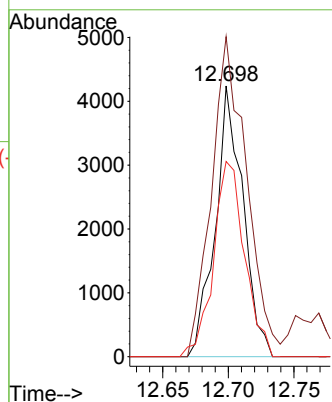
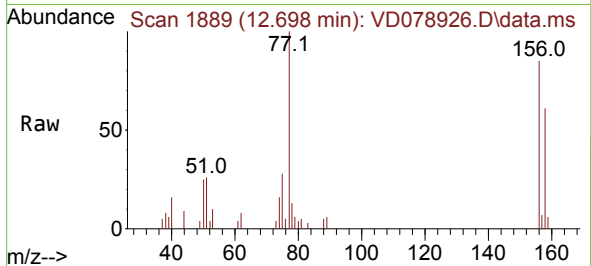




#77
Bromobenzene
Concen: 4.374 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

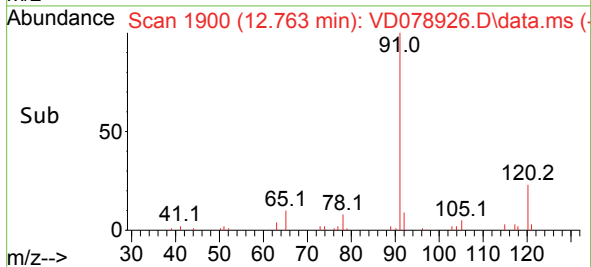
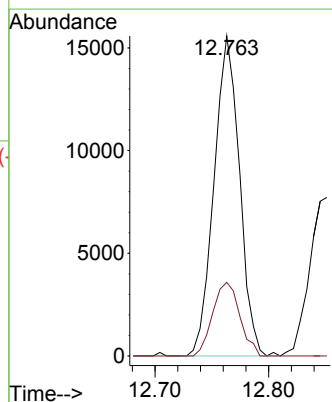
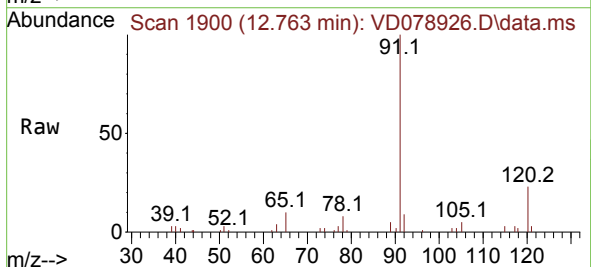
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024

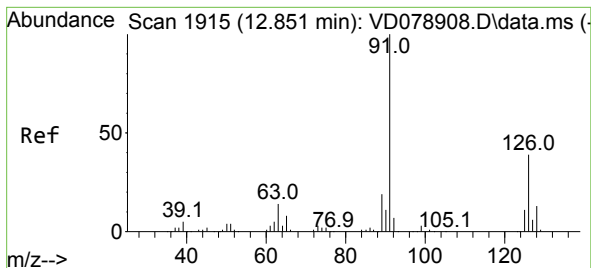
Tgt Ion:156 Resp: 6212
Ion Ratio Lower Upper
156 100
77 149.9 77.3 231.9
158 81.1 49.6 149.0



#78
n-propylbenzene
Concen: 3.724 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 91 Resp: 24312
Ion Ratio Lower Upper
91 100
120 24.5 12.3 36.8

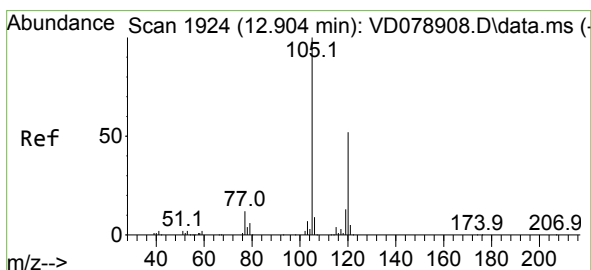
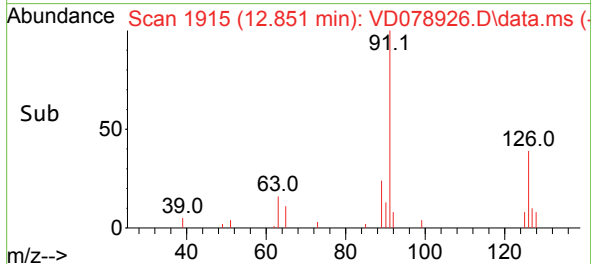
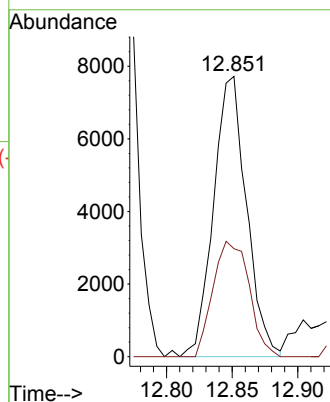
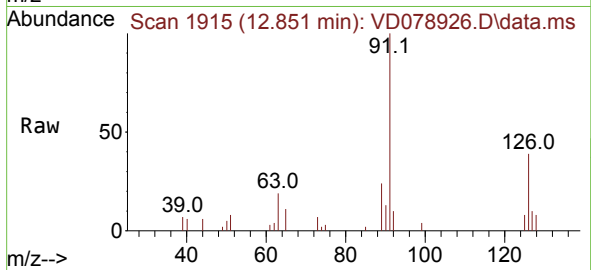




#79
2-Chlorotoluene
Concen: 3.723 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

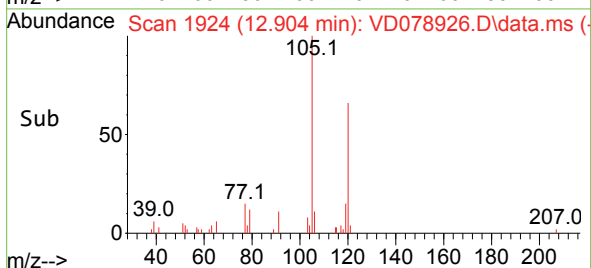
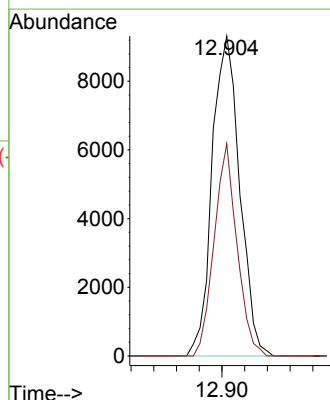
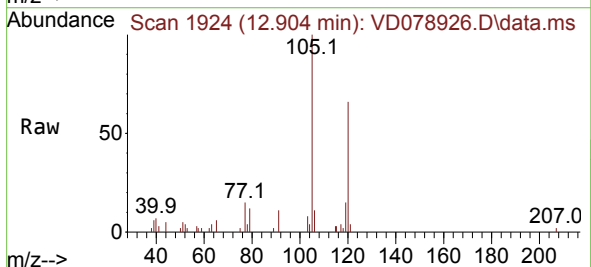
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

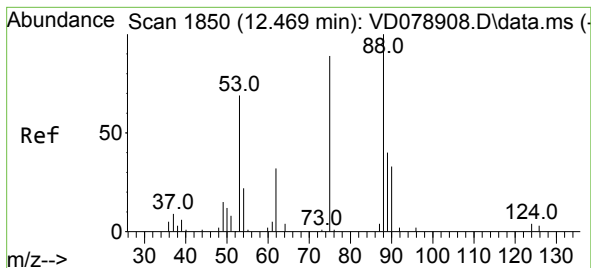
Tgt Ion: 91 Resp: 13509
Ion Ratio Lower Upper
91 100
126 45.0 19.3 57.8



#80
1,3,5-Trimethylbenzene
Concen: 3.495 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 105 Resp: 15681
Ion Ratio Lower Upper
105 100
120 55.1 25.7 77.1

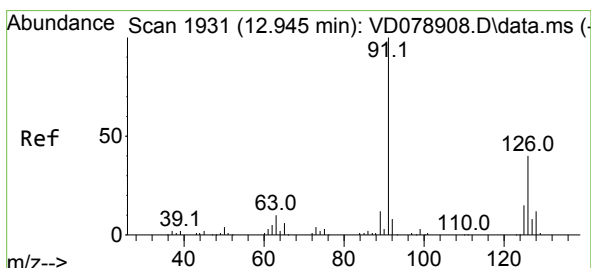
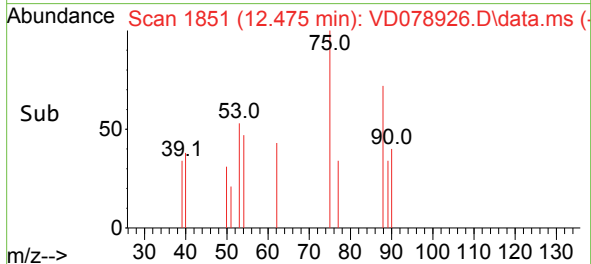
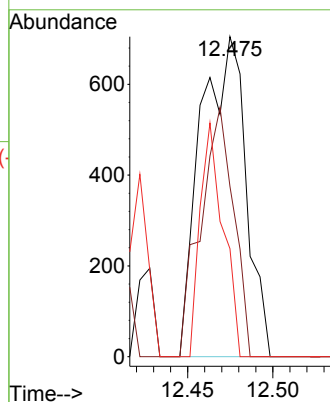
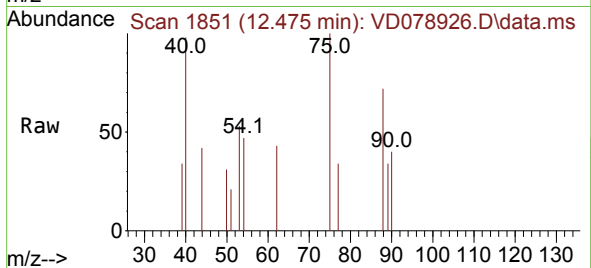




#81
trans-1,4-Dichloro-2-butene
Concen: 4.050 ug/l
RT: 12.475 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

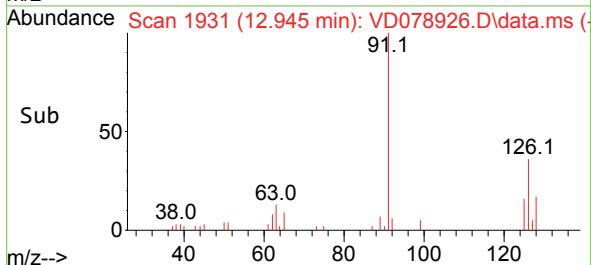
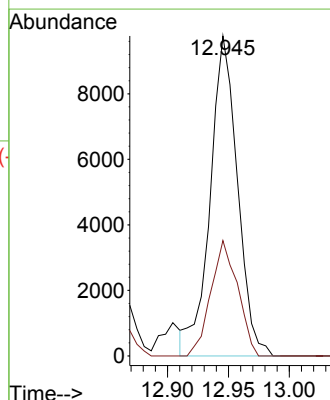
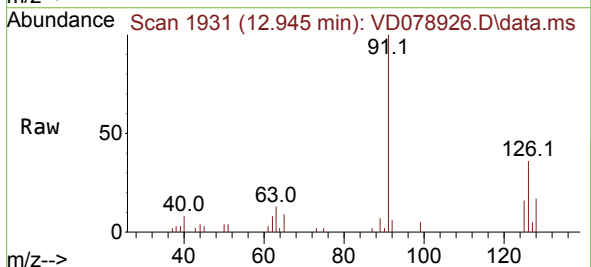
Instrument : MSVOA_D
ClientSampleId : LOD-MDL-SOIL-01-QT2-2024

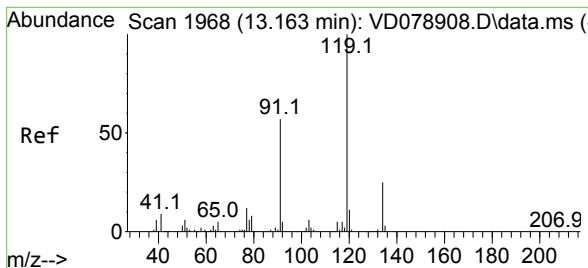
Tgt Ion: 75 Resp: 1301
Ion Ratio Lower Upper
75 100
53 57.0 61.4 92.2#
89 37.4 35.4 53.0



#82
4-Chlorotoluene
Concen: 4.008 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

Tgt Ion: 91 Resp: 15256
Ion Ratio Lower Upper
91 100
126 35.4 18.9 56.9





#83

tert-Butylbenzene

Concen: 3.695 ug/l

RT: 13.169 min Scan# 1968

Delta R.T. 0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

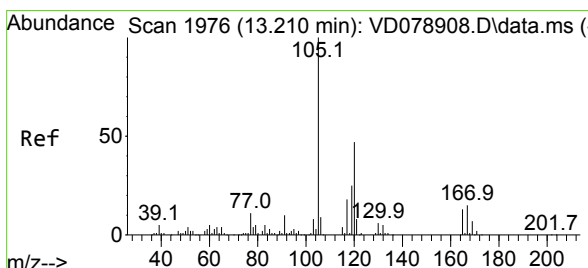
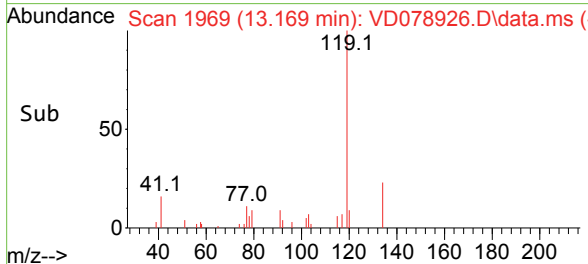
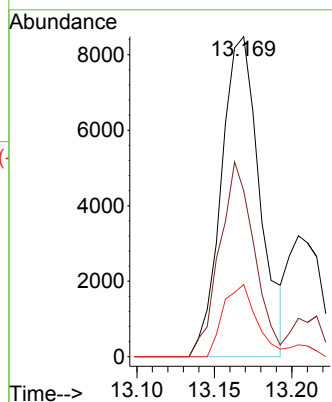
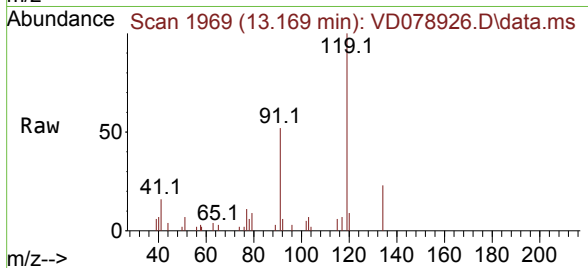
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:	119	Resp:	14662
Ion	Ratio	Lower	Upper
119	100		
91	55.1	28.2	84.7
134	19.6	13.4	40.1



#84

1,2,4-Trimethylbenzene

Concen: 3.145 ug/l

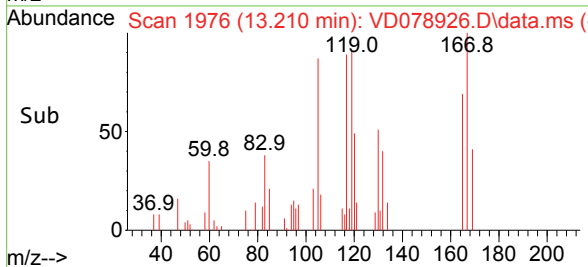
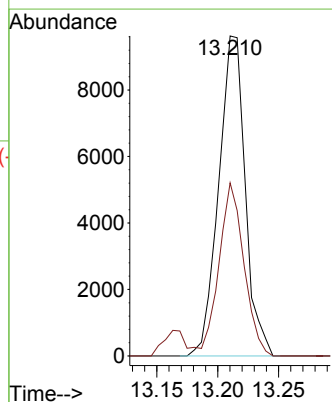
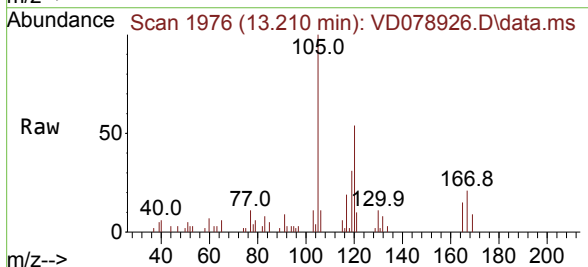
RT: 13.210 min Scan# 1976

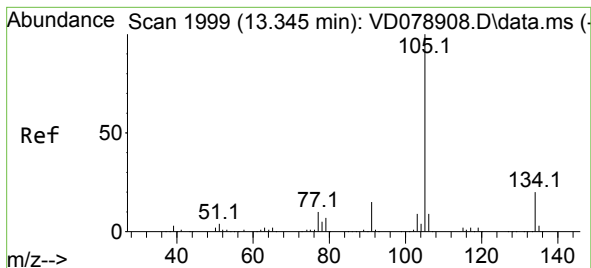
Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Tgt Ion:	105	Resp:	14619
Ion	Ratio	Lower	Upper
105	100		
120	50.4	23.6	71.0





#85

sec-Butylbenzene

Concen: 3.473 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

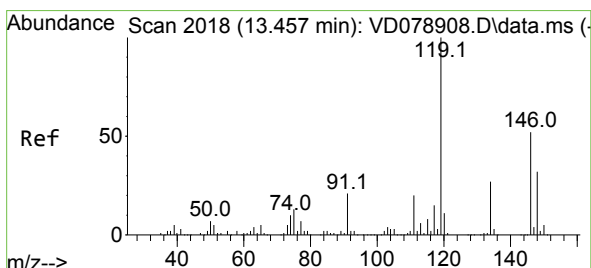
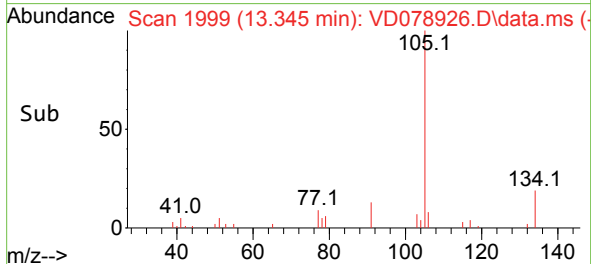
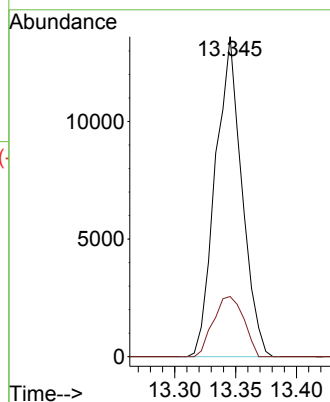
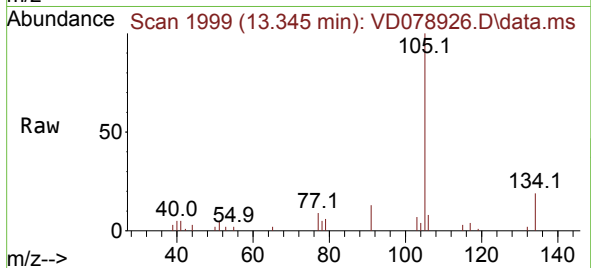
LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:105 Resp: 20559

Ion Ratio Lower Upper

105 100

134 21.6 10.3 30.8



#86

p-Isopropyltoluene

Concen: 3.175 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

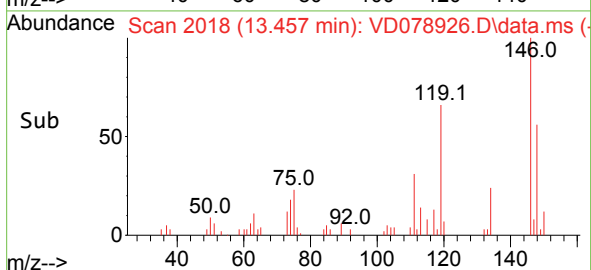
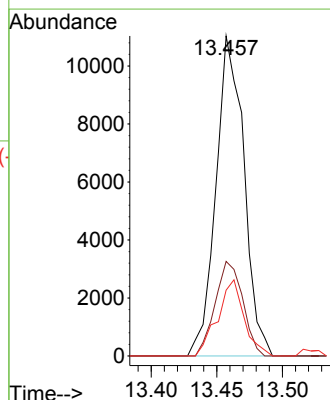
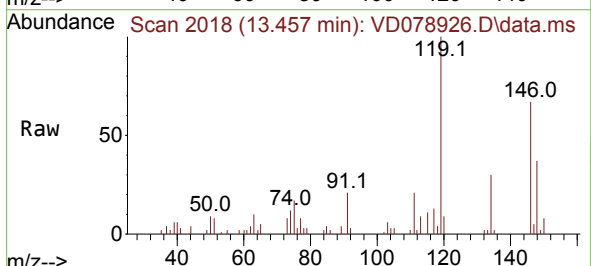
Tgt Ion:119 Resp: 16377

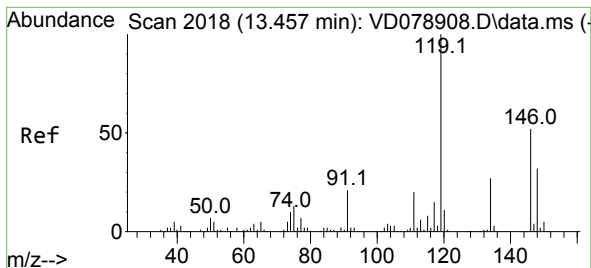
Ion Ratio Lower Upper

119 100

134 29.1 13.7 41.1

91 22.5 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 3.653 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

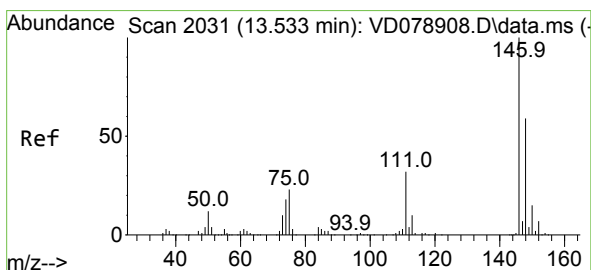
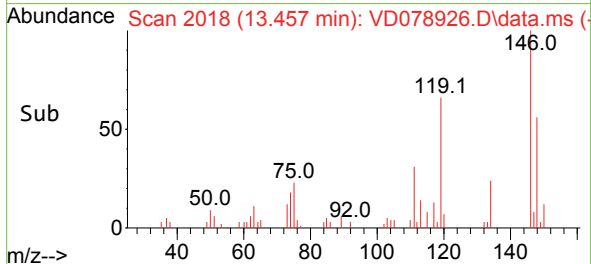
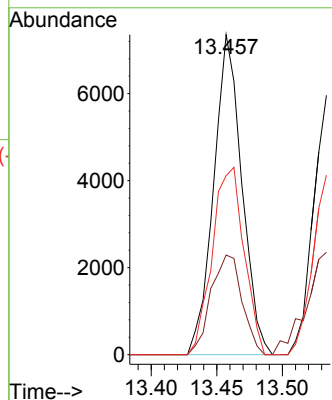
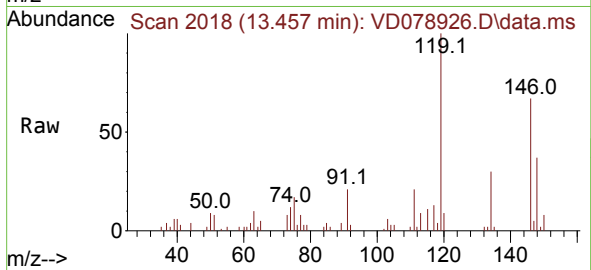
Tgt Ion:146 Resp: 10978

Ion Ratio Lower Upper

146 100

111 34.5 18.5 55.5

148 66.0 30.9 92.8



#88

1,4-Dichlorobenzene

Concen: 4.006 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. 0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

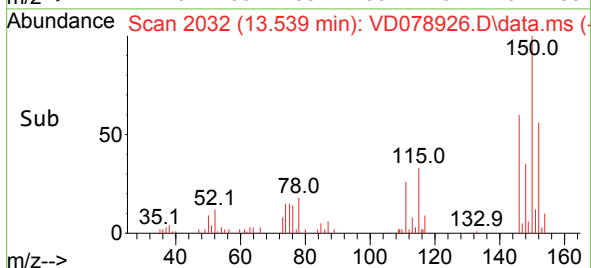
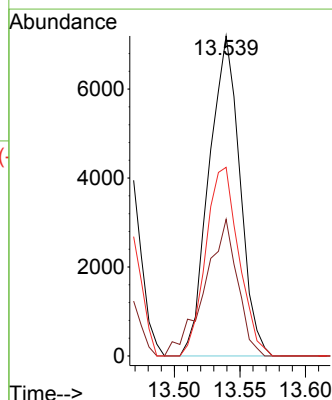
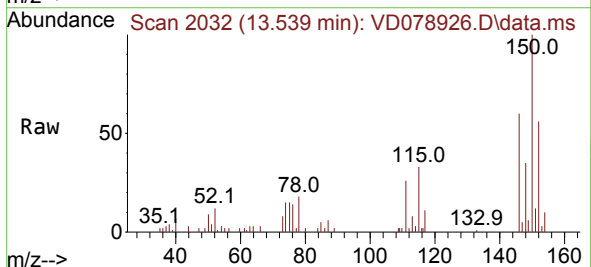
Tgt Ion:146 Resp: 11792

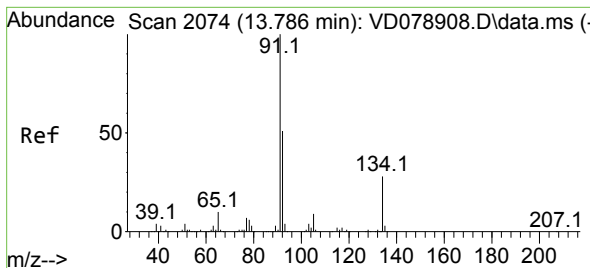
Ion Ratio Lower Upper

146 100

111 45.3 17.5 52.6

148 63.1 31.4 94.2





#89

n-Butylbenzene

Concen: 3.277 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

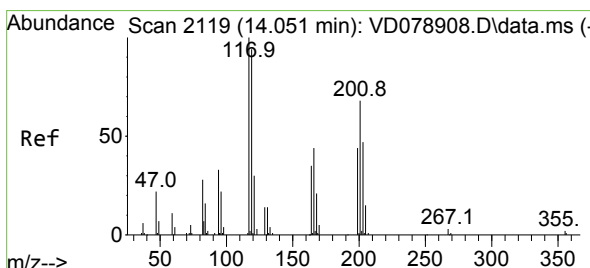
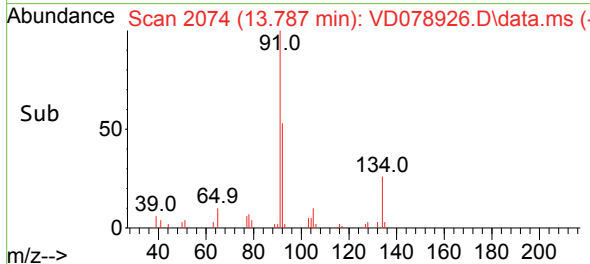
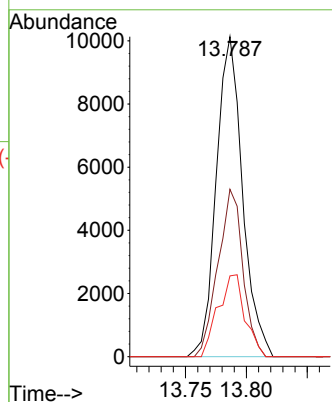
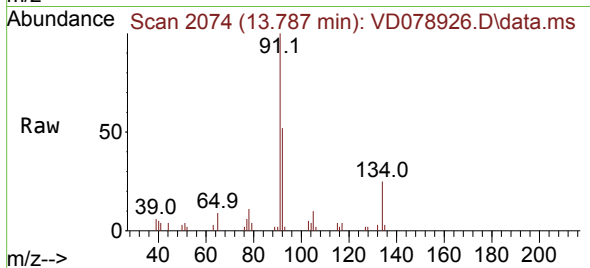
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion: 91	Resp: 15144
Ion Ratio	Lower Upper
91	100
92	49.8 25.7 77.0
134	26.2 13.6 40.8



#90

Hexachloroethane

Concen: 3.873 ug/l

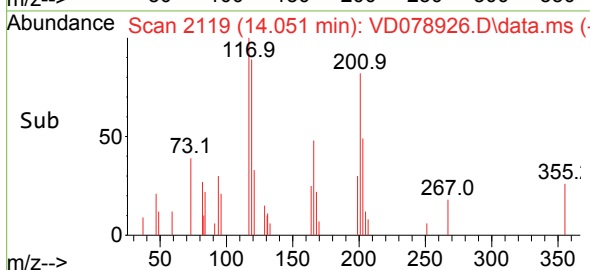
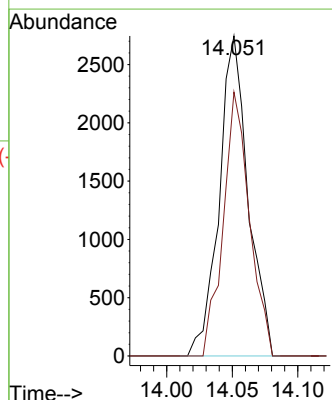
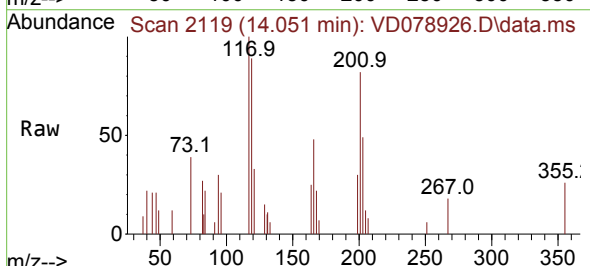
RT: 14.051 min Scan# 2119

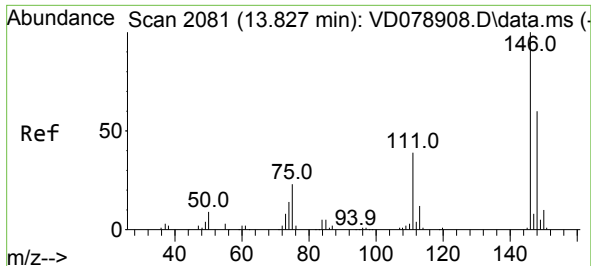
Delta R.T. 0.000 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Tgt Ion: 117	Resp: 4214
Ion Ratio	Lower Upper
117	100
201	74.7 36.3 108.9





#91

1,2-Dichlorobenzene

Concen: 3.885 ug/l

RT: 13.834 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VD078926.D

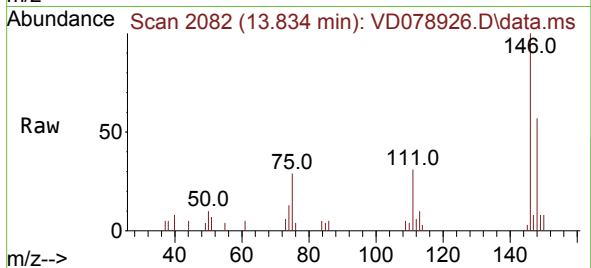
Acq: 15 May 2024 12:08

Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024



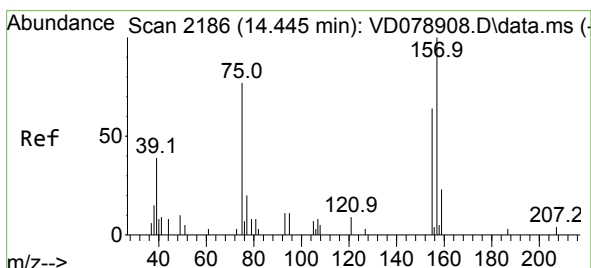
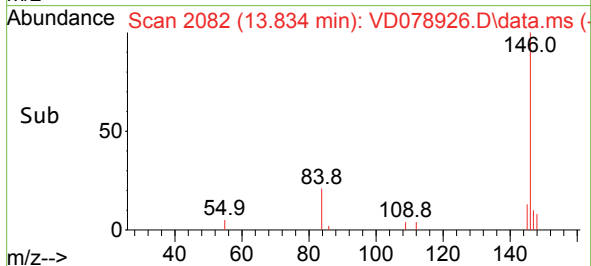
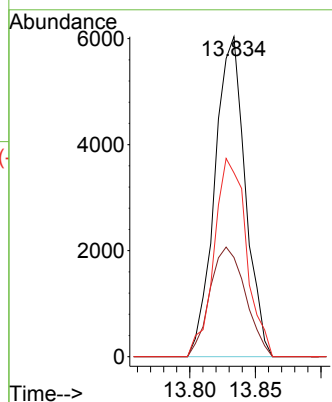
Tgt Ion:146 Resp: 9770

Ion Ratio Lower Upper

146 100

111 39.8 19.1 57.1

148 65.6 31.1 93.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.040 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

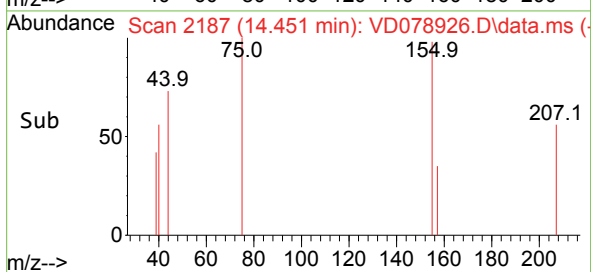
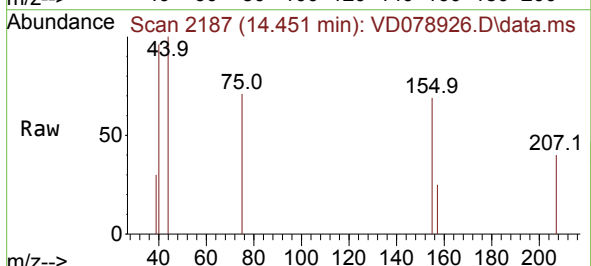
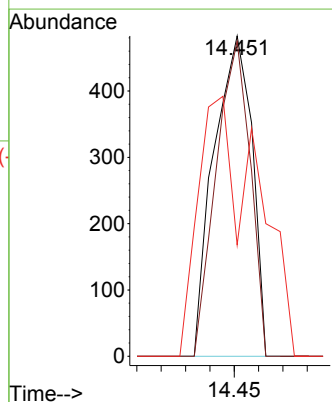
Tgt Ion: 75 Resp: 524

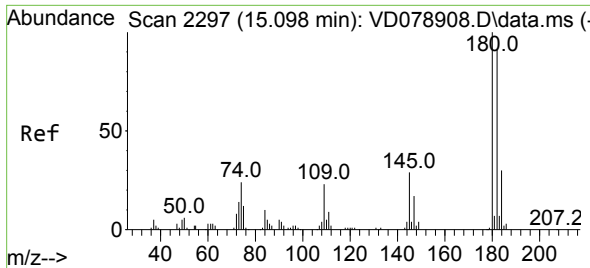
Ion Ratio Lower Upper

75 100

155 88.0 47.7 143.1

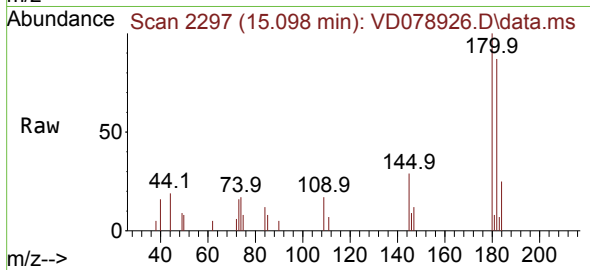
157 125.4 63.4 190.2



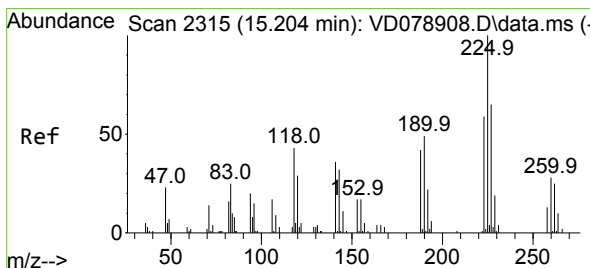
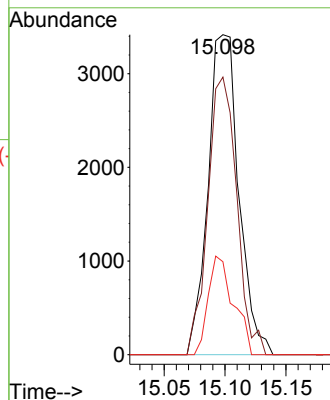
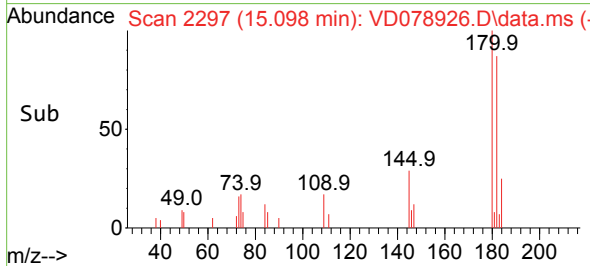


#93
1,2,4-Trichlorobenzene
Concen: 4.081 ug/l
RT: 15.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08

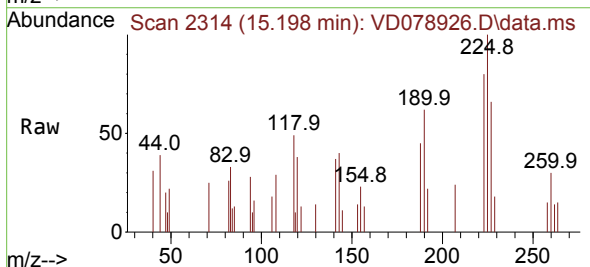
Instrument :
MSVOA_D
ClientSampleId :
LOD-MDL-SOIL-01-QT2-2024



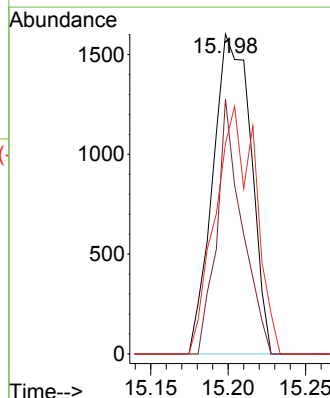
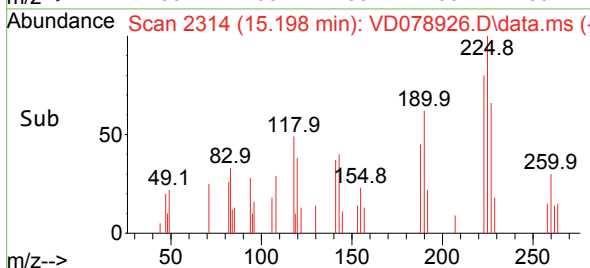
Tgt Ion:180 Resp: 6026
Ion Ratio Lower Upper
180 100
182 81.4 46.9 140.7
145 25.2 14.0 41.9

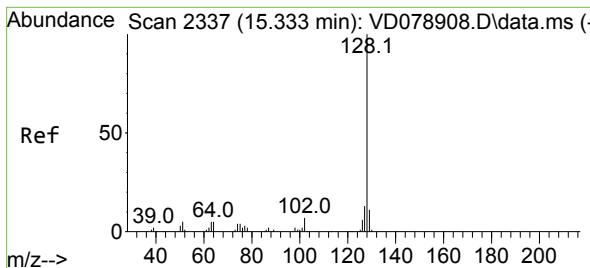


#94
Hexachlorobutadiene
Concen: 3.533 ug/l
RT: 15.198 min Scan# 2314
Delta R.T. -0.006 min
Lab File: VD078926.D
Acq: 15 May 2024 12:08



Tgt Ion:225 Resp: 2726
Ion Ratio Lower Upper
225 100
223 53.2 33.3 99.9
227 81.9 33.6 100.6





#95

Naphthalene

Concen: 3.419 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.001 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

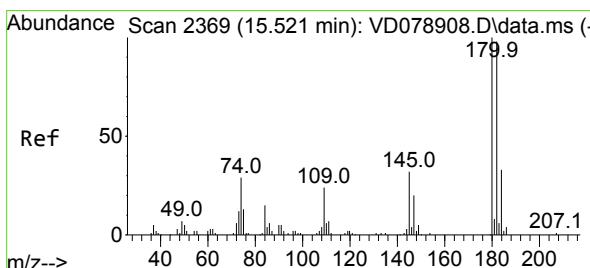
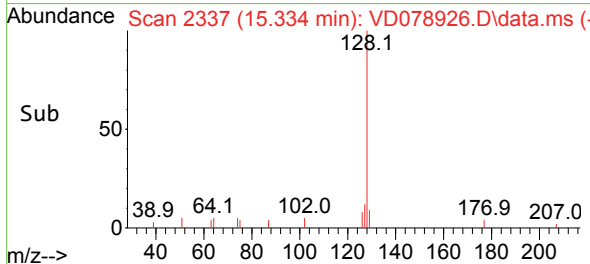
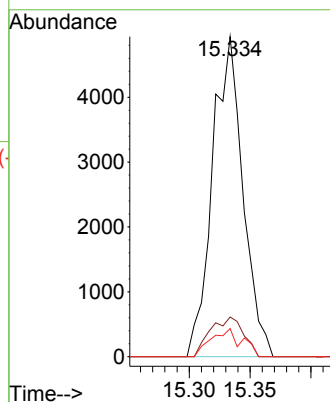
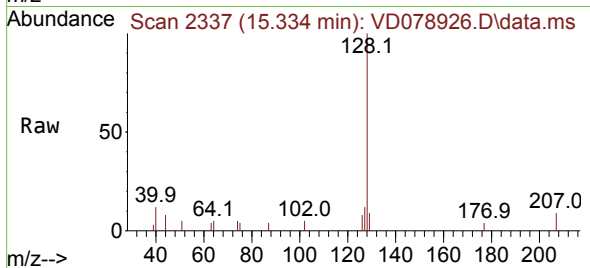
Instrument :

MSVOA_D

ClientSampleId :

LOD-MDL-SOIL-01-QT2-2024

Tgt Ion:128	Resp:	8600
Ion Ratio	Lower	Upper
128	100	
127	12.4	10.2 15.4
129	8.8	8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 3.549 ug/l

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD078926.D

Acq: 15 May 2024 12:08

Tgt Ion:180	Resp:	4662
Ion Ratio	Lower	Upper
180	100	
182	81.9	47.8 143.3
145	29.3	16.1 48.2

