

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD012424\
 Data File : VD078221.D
 Acq On : 24 Jan 2024 14:26
 Operator : RP/MD
 Sample : P1187-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Jan 25 01:15:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012224S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 25 01:15:14 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	125829	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	240698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	215428	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	95074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	72228	50.282	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.560%	
35) Dibromofluoromethane	7.810	113	76151	48.072	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 96.140%	
50) Toluene-d8	10.275	98	295277	47.075	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.140%	
62) 4-Bromofluorobenzene	12.575	95	80659	44.341	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 88.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.940	85	9720	6.705	ug/l	98
3) Chloromethane	2.152	50	14926	6.383	ug/l	95
4) Vinyl Chloride	2.293	62	18231	6.110	ug/l	# 87
5) Bromomethane	2.705	94	13645	6.266	ug/l	94
6) Chloroethane	2.846	64	12844	6.162	ug/l	98
7) Trichlorofluoromethane	3.193	101	17115	6.306	ug/l	93
8) Diethyl Ether	3.599	74	4511	5.996	ug/l	94
9) 1,1,2-Trichlorotrifluo...	3.975	101	10172	6.471	ug/l	93
10) Methyl Iodide	4.175	142	7959	5.051	ug/l	# 85
11) Tert butyl alcohol	5.046	59	1425	20.151	ug/l	# 86
12) 1,1-Dichloroethene	3.946	96	8729	5.606	ug/l	# 72
13) Acrolein	3.799	56	3265	20.112	ug/l	96
14) Allyl chloride	4.569	41	11429	5.564	ug/l	# 89
15) Acrylonitrile	5.263	53	9225	27.324	ug/l	94
16) Acetone	4.022	43	13553	31.650	ug/l	# 86
17) Carbon Disulfide	4.281	76	28435	5.631	ug/l	98
18) Methyl Acetate	4.552	43	6992	5.658	ug/l	# 88
19) Methyl tert-butyl Ether	5.316	73	17147	5.281	ug/l	99
20) Methylene Chloride	4.810	84	14452	6.858	ug/l	94
21) trans-1,2-Dichloroethene	5.316	96	10274	5.710	ug/l	94
22) Diisopropyl ether	6.222	45	24613	5.663	ug/l	# 88
23) Vinyl Acetate	6.157	43	54925	25.649	ug/l	# 88
24) 1,1-Dichloroethane	6.122	63	18100	6.027	ug/l	99
25) 2-Butanone	7.087	43	15024	29.691	ug/l	# 81
26) 2,2-Dichloropropane	7.087	77	14965	5.948	ug/l	95
27) cis-1,2-Dichloroethene	7.081	96	11360	5.877	ug/l	94
28) Bromochloromethane	7.434	49	6241	5.328	ug/l	# 73
29) Tetrahydrofuran	7.457	42	6655	28.082	ug/l	# 77
30) Chloroform	7.599	83	18878	6.181	ug/l	100
31) Cyclohexane	7.881	56	17136	6.452	ug/l	# 83
32) 1,1,1-Trichloroethane	7.793	97	16185	6.134	ug/l	93
36) 1,1-Dichloropropene	8.016	75	13309	5.109	ug/l	96
37) Ethyl Acetate	7.175	43	5098	5.257	ug/l	95
38) Carbon Tetrachloride	7.999	117	13091	5.088	ug/l	94
39) Methylcyclohexane	9.275	83	16014	5.198	ug/l	90
40) Benzene	8.251	78	39637	5.362	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	2296	4.312	ug/l #	21
42) 1,2-Dichloroethane	8.328	62	10482	5.450	ug/l	92
43) Isopropyl Acetate	8.369	43	8878	4.997	ug/l #	68
44) Trichloroethene	9.028	130	9728	5.144	ug/l	86
45) 1,2-Dichloropropane	9.310	63	10395	5.667	ug/l	89
46) Dibromomethane	9.393	93	5095	5.058	ug/l	91
47) Bromodichloromethane	9.593	83	13194	5.214	ug/l	88
48) Methyl methacrylate	9.381	41	5937	5.772	ug/l #	69
49) 1,4-Dioxane	9.393	88	879	90.176	ug/l #	81
51) 4-Methyl-2-Pentanone	10.163	43	22591	24.197	ug/l	87
52) Toluene	10.334	92	23621	5.041	ug/l	94
53) t-1,3-Dichloropropene	10.557	75	12162	5.209	ug/l	93
54) cis-1,3-Dichloropropene	10.022	75	14725	5.261	ug/l #	85
55) 1,1,2-Trichloroethane	10.740	97	7523	5.581	ug/l	93
56) Ethyl methacrylate	10.604	69	4926	4.464	ug/l #	69
57) 1,3-Dichloropropane	10.887	76	11803	5.120	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	12592	19.042	ug/l	95
59) 2-Hexanone	10.928	43	19074	25.141	ug/l	83
60) Dibromochloromethane	11.075	129	8077	5.082	ug/l	90
61) 1,2-Dibromoethane	11.181	107	6354	5.114	ug/l	93
64) Tetrachloroethene	10.810	164	7435	5.278	ug/l	93
65) Chlorobenzene	11.610	112	24972	5.247	ug/l #	87
66) 1,1,1,2-Tetrachloroethane	11.681	131	8741	5.140	ug/l	96
67) Ethyl Benzene	11.687	91	44902	5.185	ug/l	89
68) m/p-Xylenes	11.792	106	34166	10.330	ug/l	96
69) o-Xylene	12.122	106	14440	4.811	ug/l	92
70) Styrene	12.134	104	22401	4.980	ug/l	97
71) Bromoform	12.298	173	4354	5.170	ug/l #	93
73) Isopropylbenzene	12.422	105	39492	5.283	ug/l	94
74) N-amyl acetate	12.239	43	7457	5.214	ug/l	90
75) 1,1,2,2-Tetrachloroethane	12.675	83	8709	6.261	ug/l	94
76) 1,2,3-Trichloropropane	12.722	75	9909	10.867	ug/l #	100
77) Bromobenzene	12.698	156	8714	5.317	ug/l	74
78) n-propylbenzene	12.763	91	49317	5.319	ug/l	95
79) 2-Chlorotoluene	12.851	91	26898	5.436	ug/l	91
80) 1,3,5-Trimethylbenzene	12.904	105	31305	5.050	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.469	75	2162	5.107	ug/l #	78
82) 4-Chlorotoluene	12.945	91	28481	5.461	ug/l	91
83) tert-Butylbenzene	13.169	119	26074	5.032	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	31191	4.976	ug/l	96
85) sec-Butylbenzene	13.345	105	40837	5.205	ug/l	94
86) p-Isopropyltoluene	13.463	119	32963	4.828	ug/l	96
87) 1,3-Dichlorobenzene	13.463	146	19429	5.726	ug/l	95
88) 1,4-Dichlorobenzene	13.539	146	18653	5.564	ug/l	94
89) n-Butylbenzene	13.792	91	35695	5.370	ug/l	94
90) Hexachloroethane	14.057	117	7588	5.666	ug/l	84
91) 1,2-Dichlorobenzene	13.828	146	15456	5.417	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1135	5.710	ug/l	68
93) 1,2,4-Trichlorobenzene	15.098	180	9103	5.161	ug/l	91
94) Hexachlorobutadiene	15.210	225	4834	5.671	ug/l	98
95) Naphthalene	15.333	128	16545	5.017	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.522	180	7498	5.067	ug/l	96

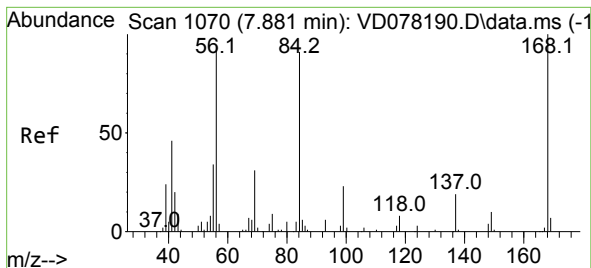
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

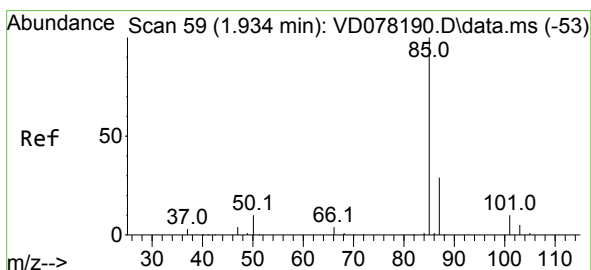
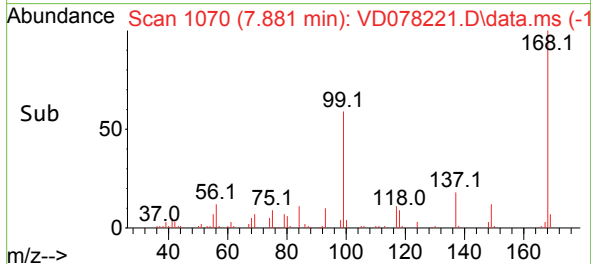
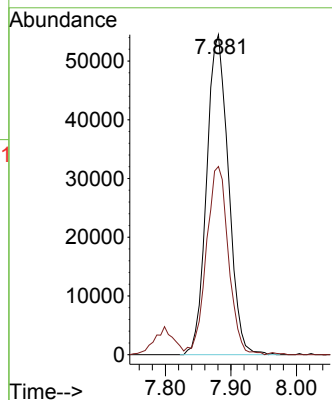
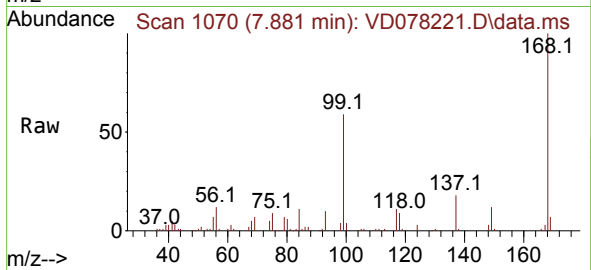
LOQ-SOIL-02-QT1-2024

Tgt Ion:168 Resp: 125829

Ion Ratio Lower Upper

168 100

99 58.5 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 6.705 ug/l

RT: 1.940 min Scan# 60

Delta R.T. 0.006 min

Lab File: VD078221.D

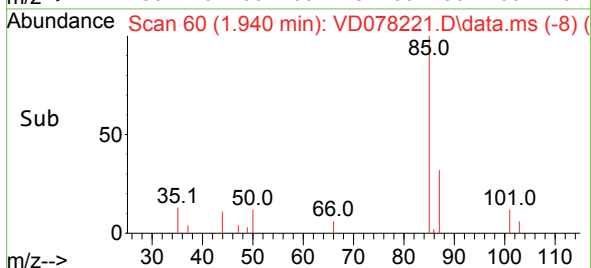
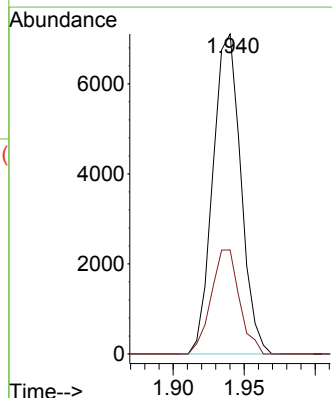
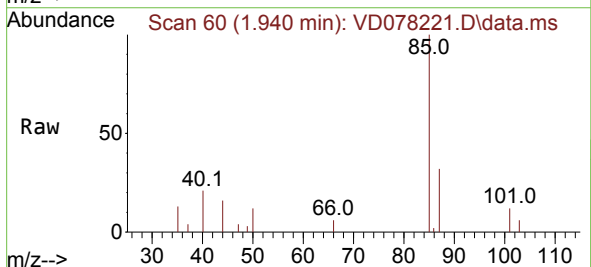
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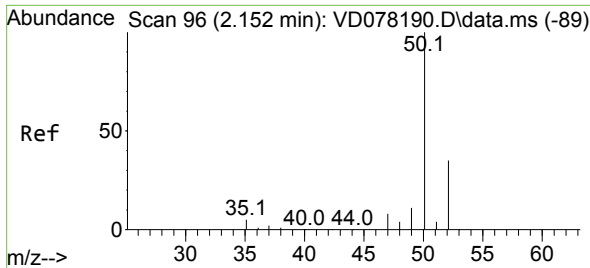
Tgt Ion: 85 Resp: 9720

Ion Ratio Lower Upper

85 100

87 32.5 15.7 47.0

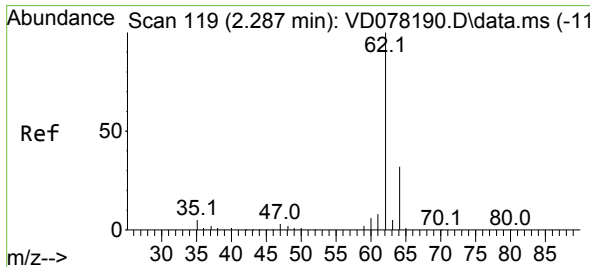
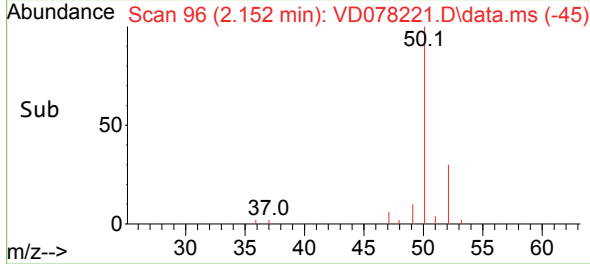
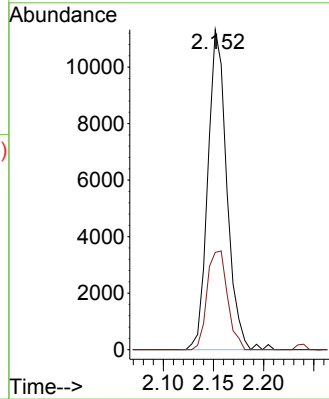
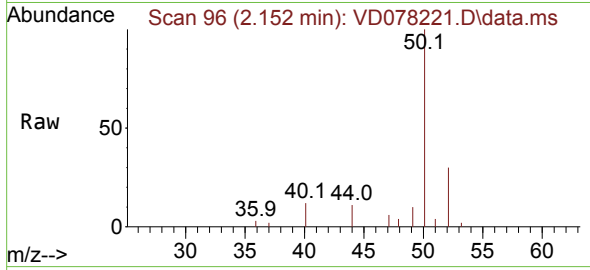




#3
Chloromethane
Concen: 6.383 ug/l
RT: 2.152 min Scan# 96
Delta R.T. -0.000 min
Lab File: VD078221.D
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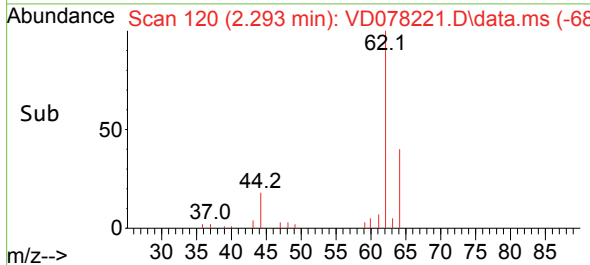
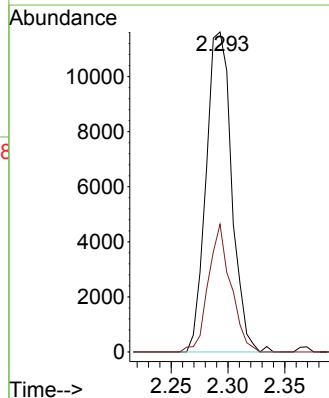
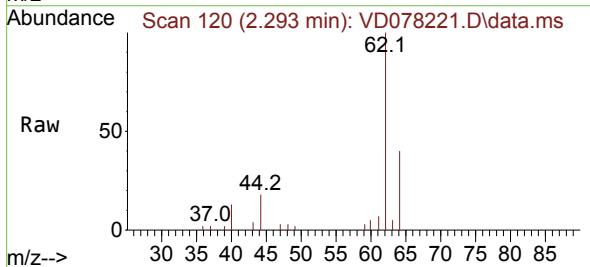
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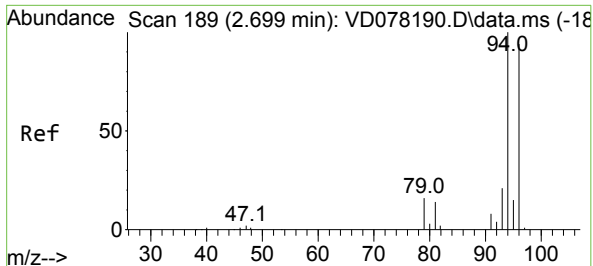
Tgt Ion: 50 Resp: 14926
Ion Ratio Lower Upper
50 100
52 30.4 26.6 40.0



#4
Vinyl Chloride
Concen: 6.110 ug/l
RT: 2.293 min Scan# 120
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 62 Resp: 18231
Ion Ratio Lower Upper
62 100
64 39.9 26.0 39.0#

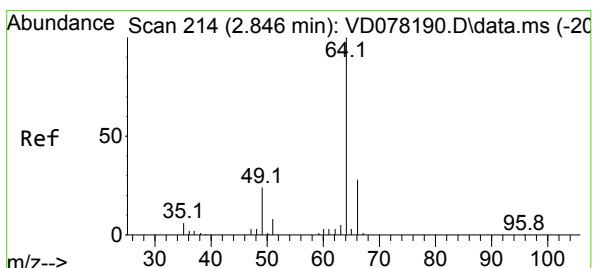
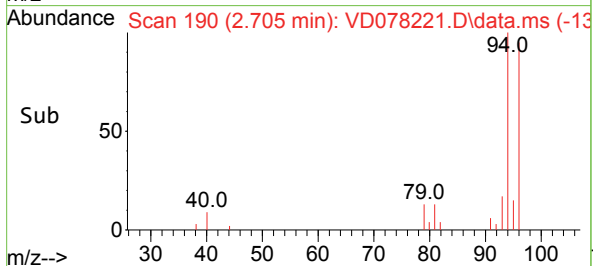
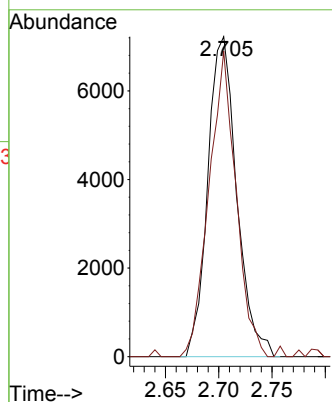
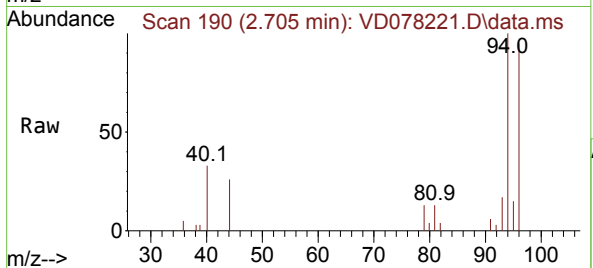




#5
Bromomethane
Concen: 6.266 ug/l
RT: 2.705 min Scan# 190
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

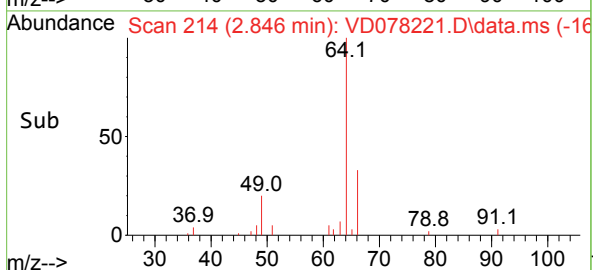
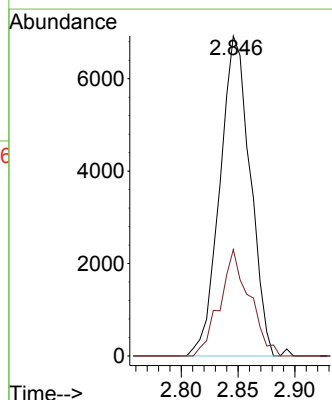
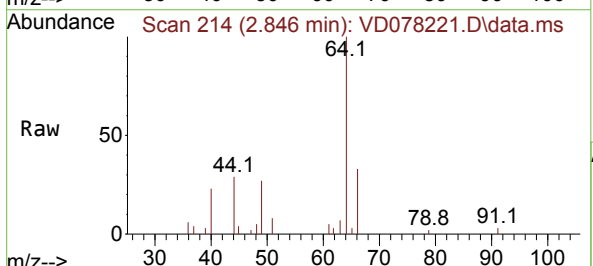
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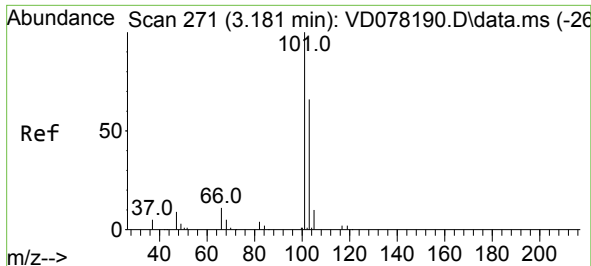
Tgt Ion: 94 Resp: 13645
Ion Ratio Lower Upper
94 100
96 89.3 75.8 113.8



#6
Chloroethane
Concen: 6.162 ug/l
RT: 2.846 min Scan# 214
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 64 Resp: 12844
Ion Ratio Lower Upper
64 100
66 33.3 25.5 38.3

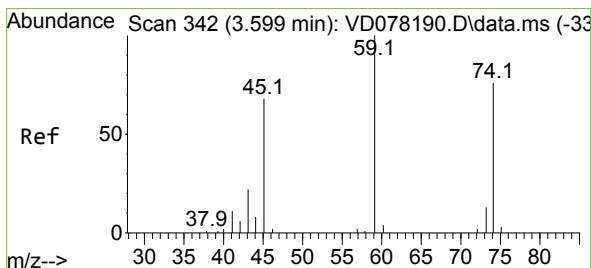
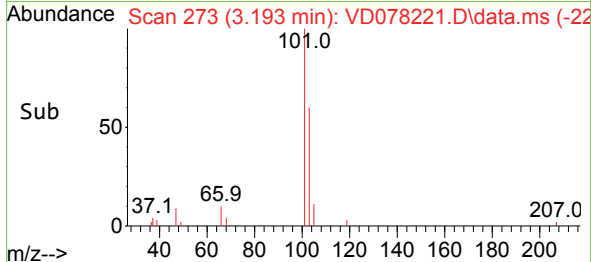
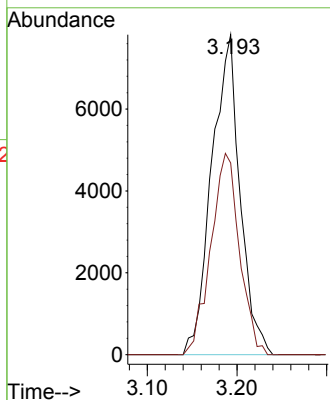
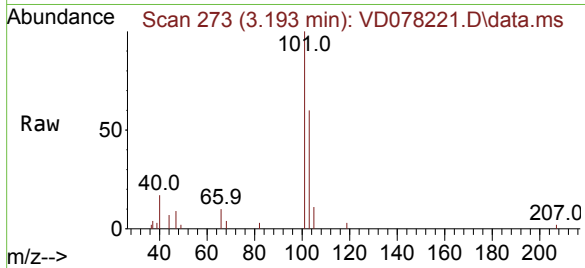




#7
Trichlorofluoromethane
Concen: 6.306 ug/l
RT: 3.193 min Scan# 21
Delta R.T. 0.012 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

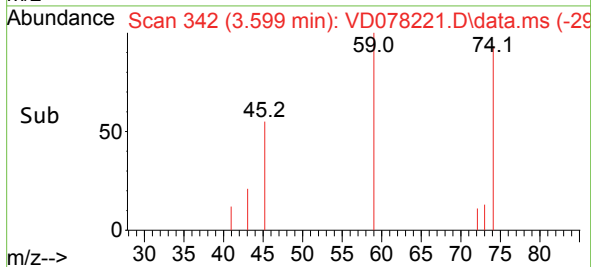
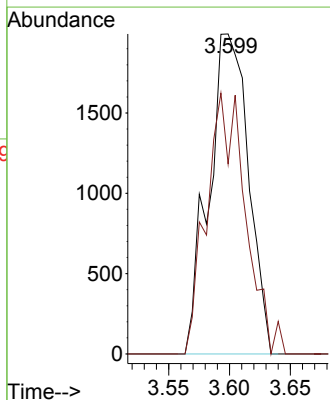
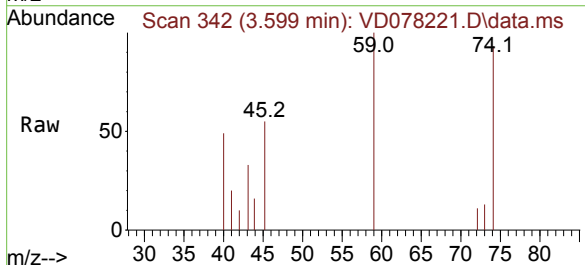
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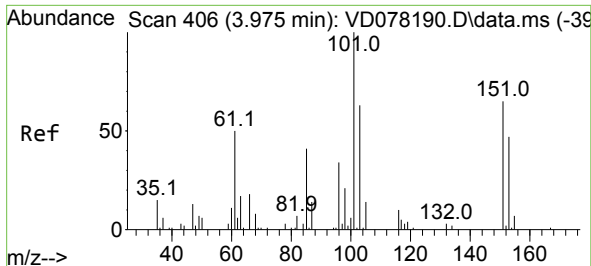
Tgt Ion:101 Resp: 17115
Ion Ratio Lower Upper
101 100
103 59.9 52.3 78.5



#8
Diethyl Ether
Concen: 5.996 ug/l
RT: 3.599 min Scan# 342
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 74 Resp: 4511
Ion Ratio Lower Upper
74 100
45 80.0 37.5 112.7

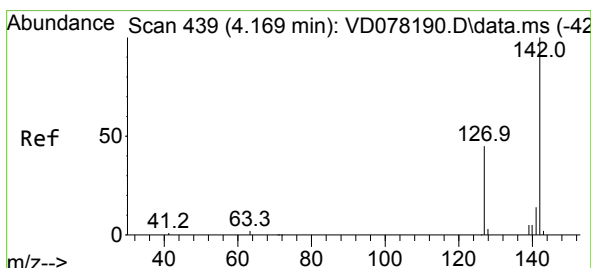
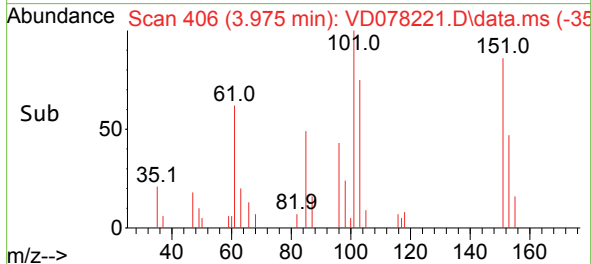
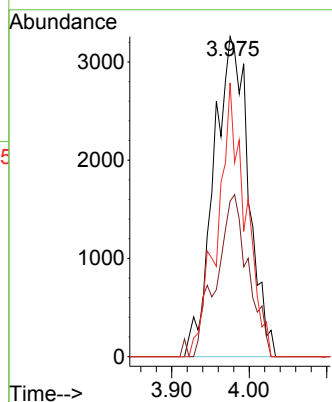
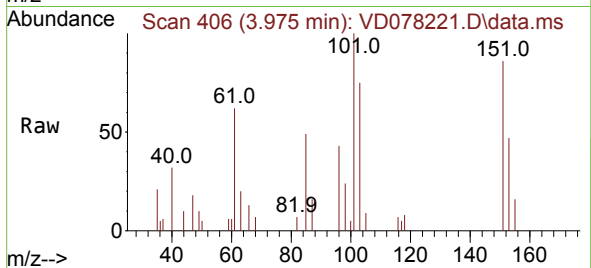




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.471 ug/l
RT: 3.975 min Scan# 406
Delta R.T. -0.000 min
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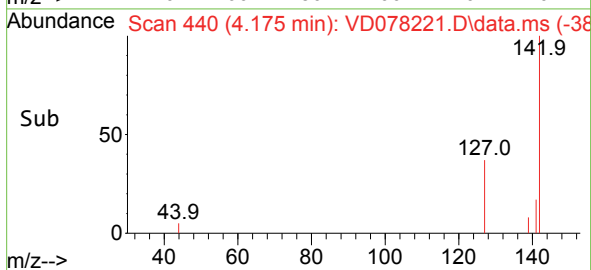
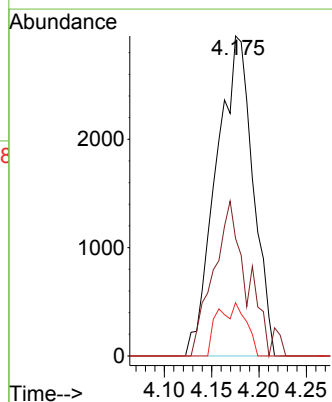
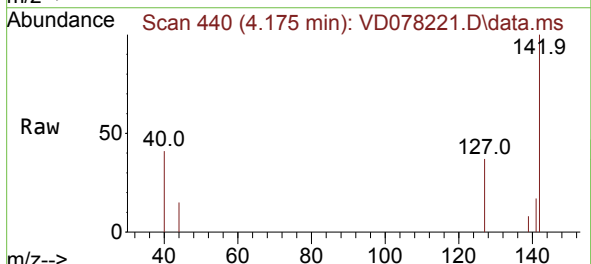
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

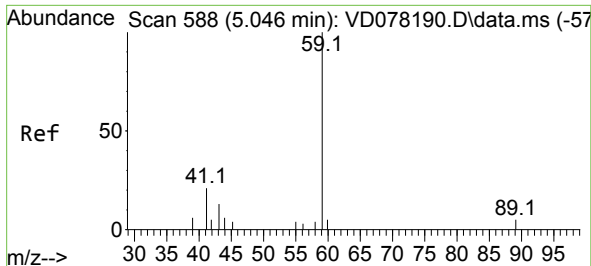
Tgt Ion:101	Resp:	10172
Ion	Ratio	Lower Upper
101	100	
85	46.4	33.8 50.6
151	69.1	59.8 89.6



#10
Methyl Iodide
Concen: 5.051 ug/l
RT: 4.175 min Scan# 440
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion:142	Resp:	7959
Ion	Ratio	Lower Upper
142	100	
127	45.3	29.4 44.0#
141	6.6	11.1 16.7#

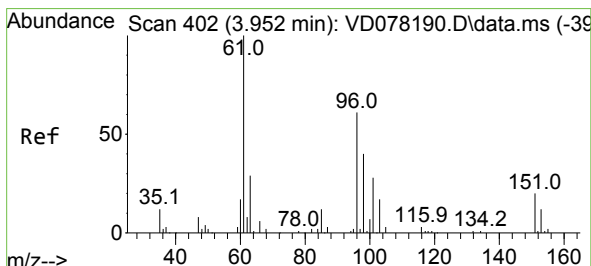
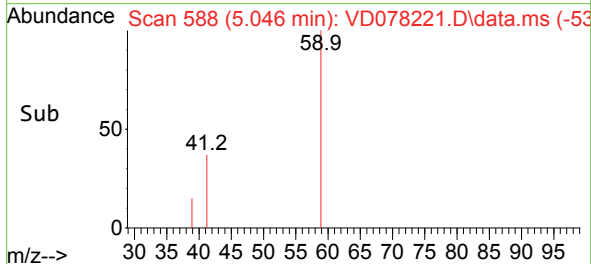
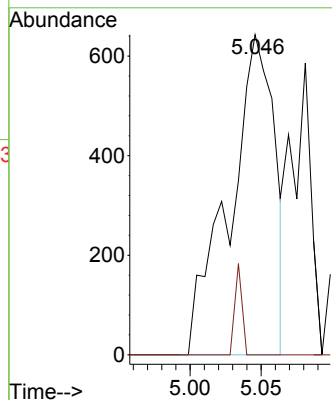
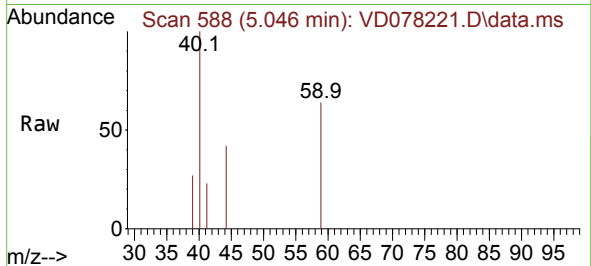




#11
Tert butyl alcohol
Concen: 20.151 ug/l
RT: 5.046 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

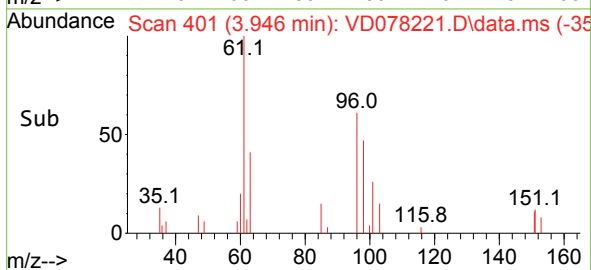
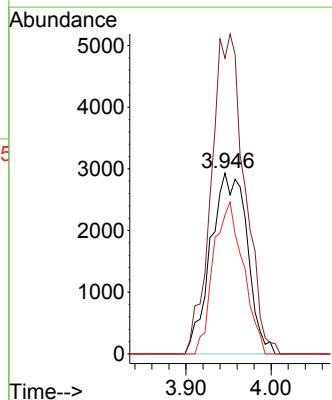
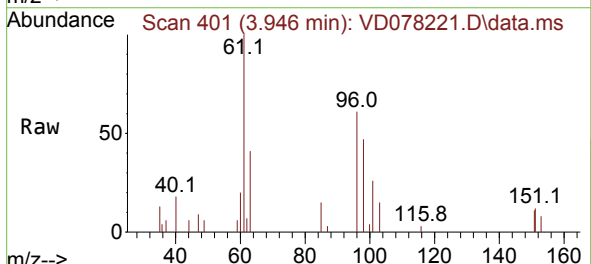
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

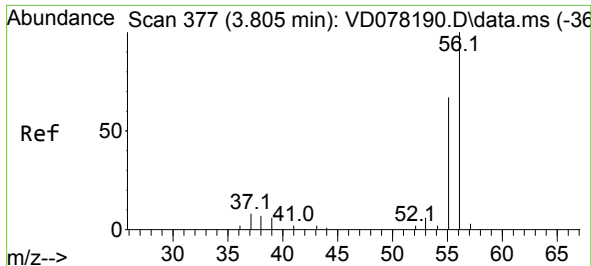
Tgt Ion: 59 Resp: 1425
Ion Ratio Lower Upper
59 100
57 4.6 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 5.606 ug/l
RT: 3.946 min Scan# 401
Delta R.T. -0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 96 Resp: 8729
Ion Ratio Lower Upper
96 100
61 163.5 100.6 150.8#
98 76.9 50.2 75.2#





#13

Acrolein

Concen: 20.112 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

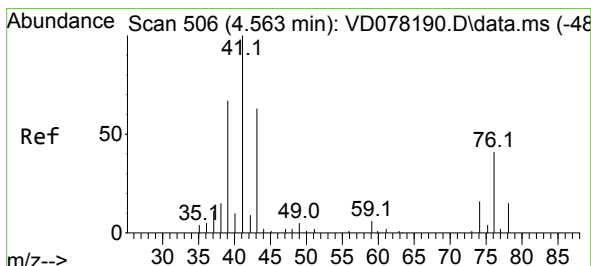
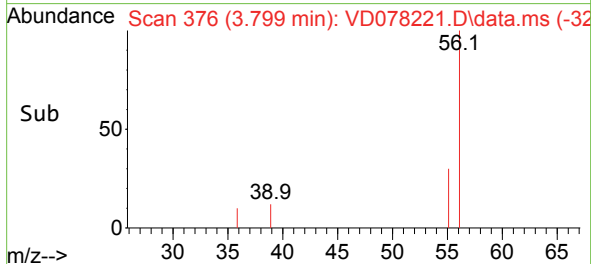
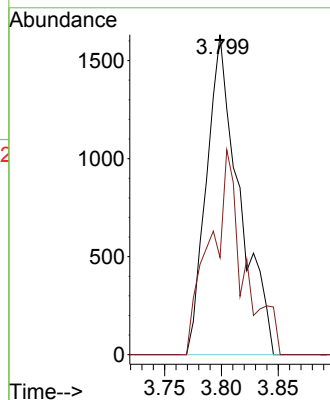
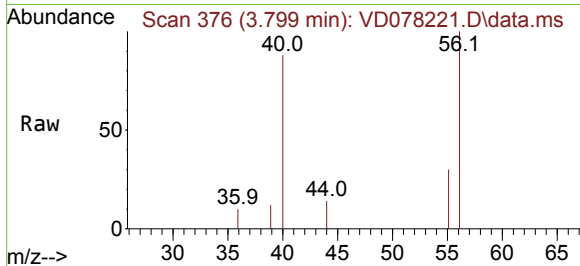
LOQ-SOIL-02-QT1-2024

Tgt Ion: 56 Resp: 3265

Ion Ratio Lower Upper

56 100

55 65.4 55.1 82.7



#14

Allyl chloride

Concen: 5.564 ug/l

RT: 4.569 min Scan# 507

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

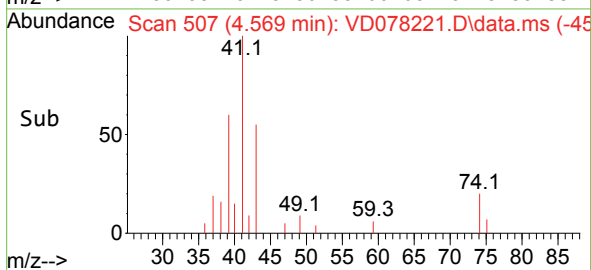
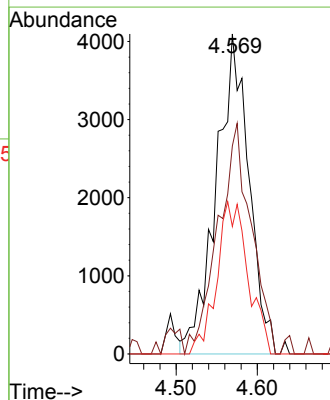
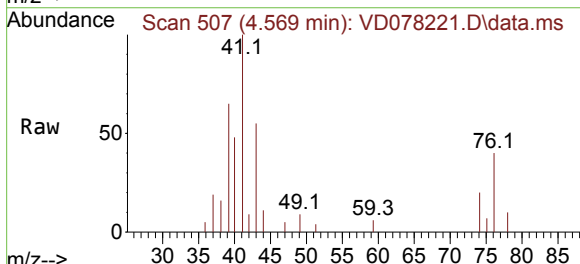
Tgt Ion: 41 Resp: 11429

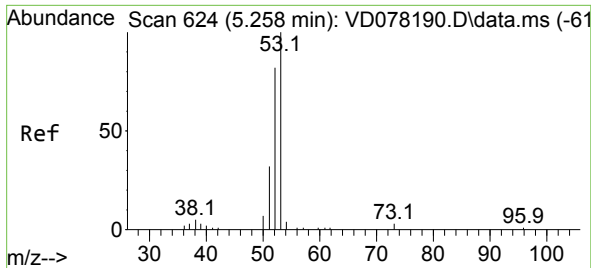
Ion Ratio Lower Upper

41 100

39 73.2 53.8 80.6

76 45.7 45.8 68.8#

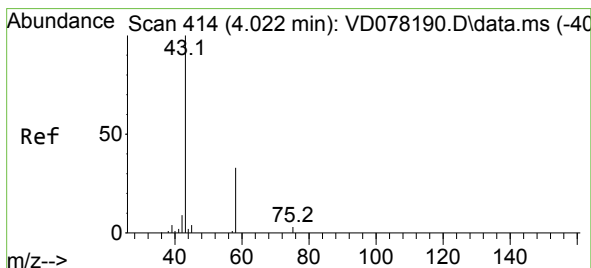
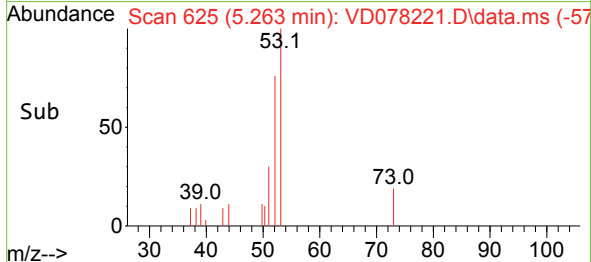
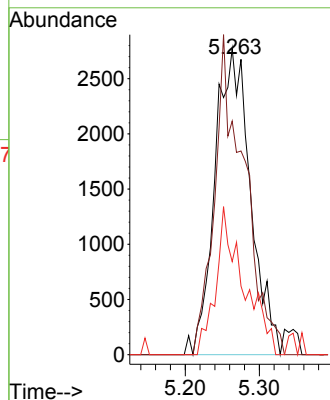
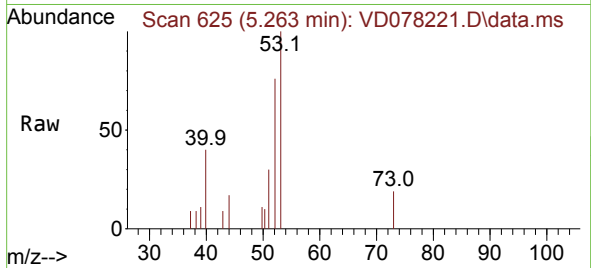




#15
Acrylonitrile
Concen: 27.324 ug/l
RT: 5.263 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

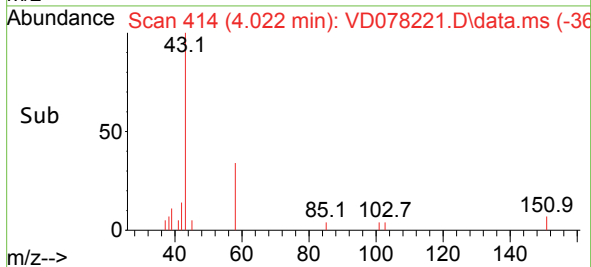
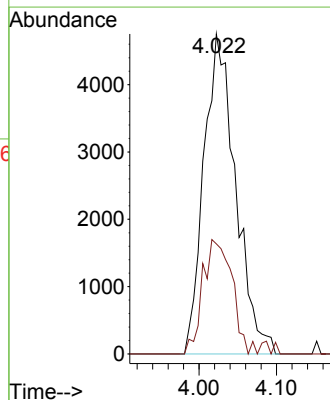
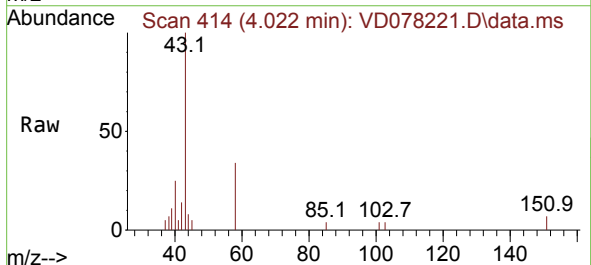
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

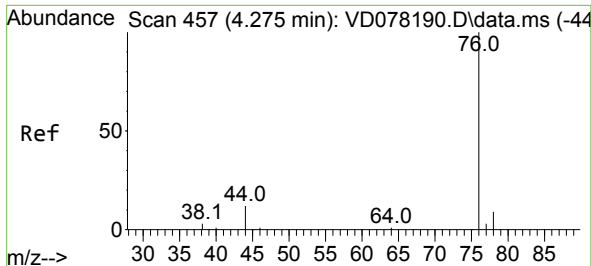
Tgt Ion:	53	Resp:	9225
Ion	Ratio	Lower	Upper
53	100		
52	87.5	65.0	97.4
51	37.8	28.3	42.5



#16
Acetone
Concen: 31.650 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion:	43	Resp:	13553
Ion	Ratio	Lower	Upper
43	100		
58	34.4	34.7	52.1#

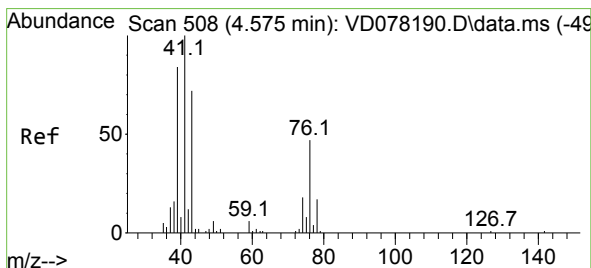
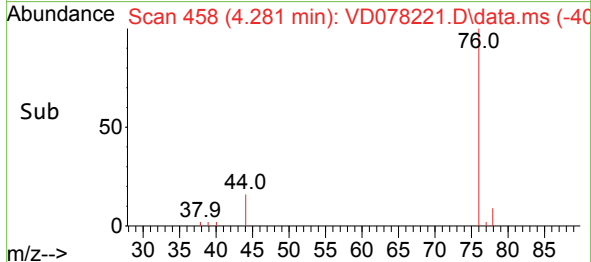
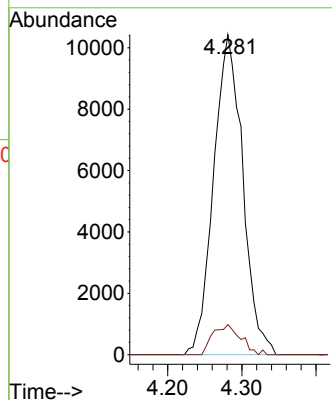
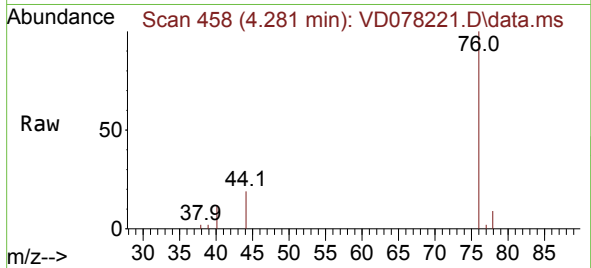




#17
Carbon Disulfide
Concen: 5.631 ug/l
RT: 4.281 min Scan# 41
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

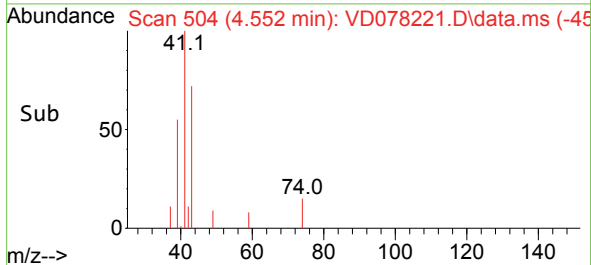
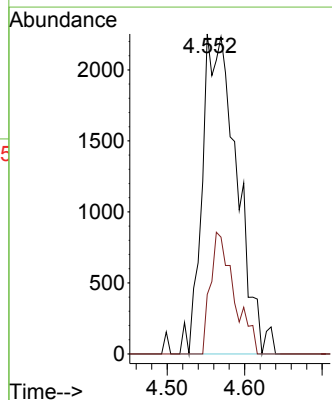
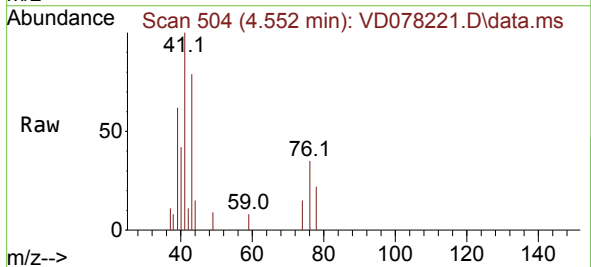
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

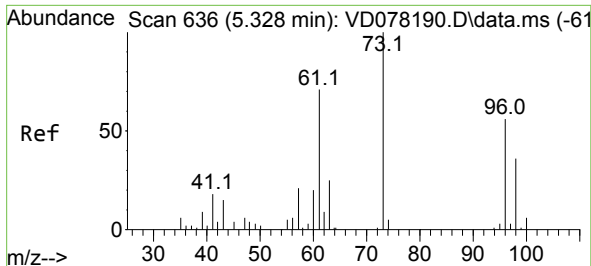
Tgt Ion: 76 Resp: 28435
Ion Ratio Lower Upper
76 100
78 9.4 6.8 10.2



#18
Methyl Acetate
Concen: 5.658 ug/l
RT: 4.552 min Scan# 504
Delta R.T. -0.024 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 43 Resp: 6992
Ion Ratio Lower Upper
43 100
74 26.1 26.4 39.6#





#19

Methyl tert-butyl Ether

Concen: 5.281 ug/l

RT: 5.316 min Scan# 61

Delta R.T. -0.012 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

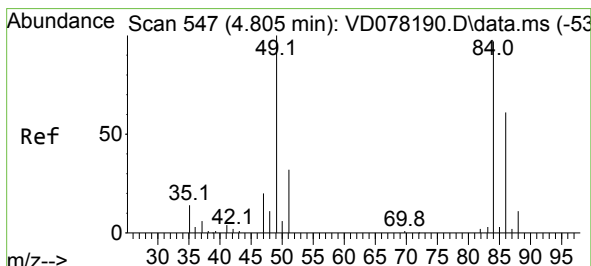
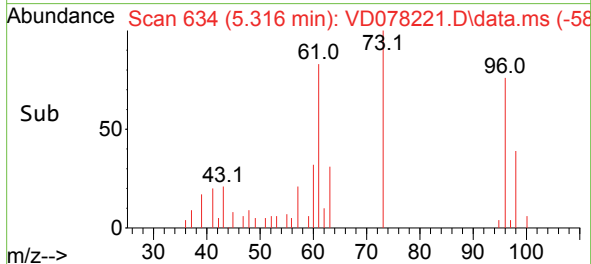
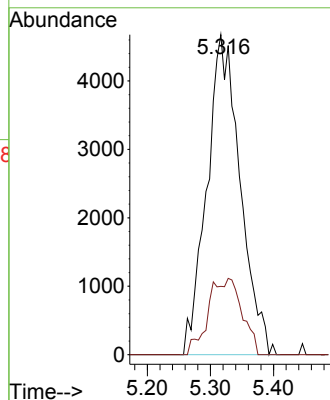
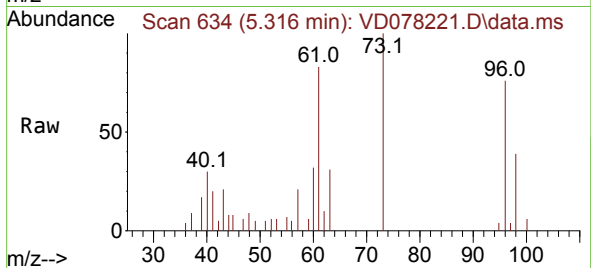
LOQ-SOIL-02-QT1-2024

Tgt Ion: 73 Resp: 17147

Ion Ratio Lower Upper

73 100

57 21.4 16.6 25.0



#20

Methylene Chloride

Concen: 6.858 ug/l

RT: 4.810 min Scan# 548

Delta R.T. 0.005 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Tgt Ion: 84 Resp: 14452

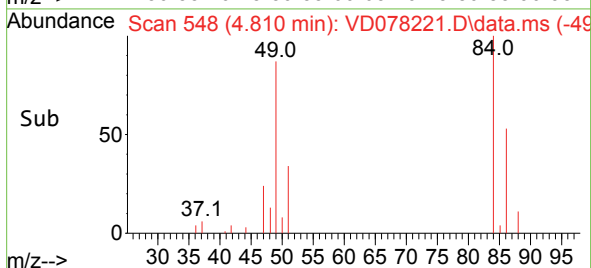
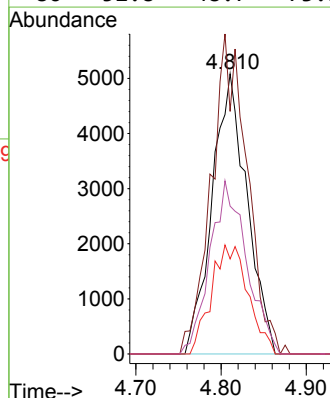
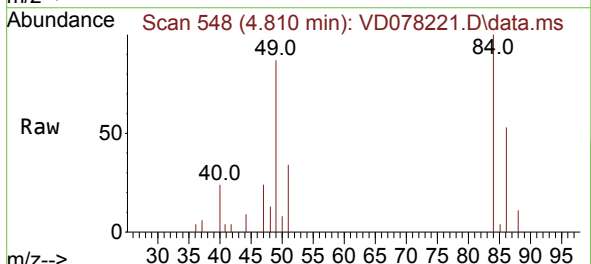
Ion Ratio Lower Upper

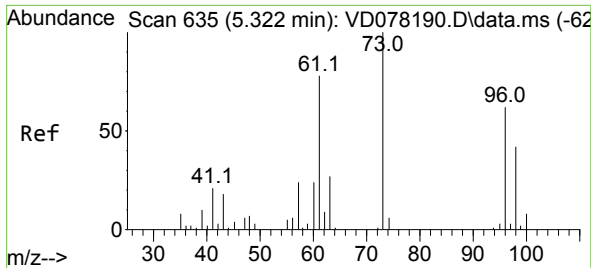
84 100

49 86.6 71.4 107.2

51 33.9 24.5 36.7

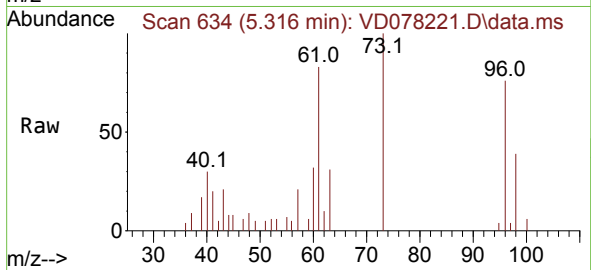
86 52.8 48.7 73.1



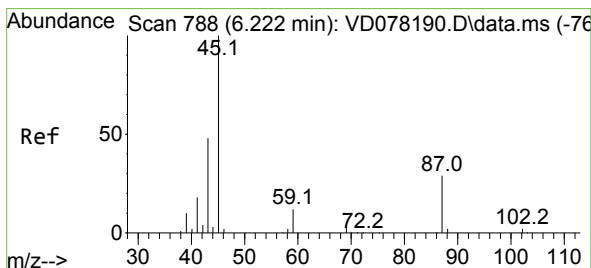
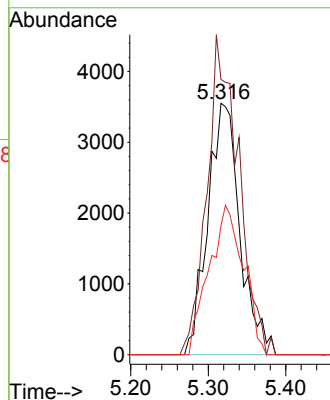
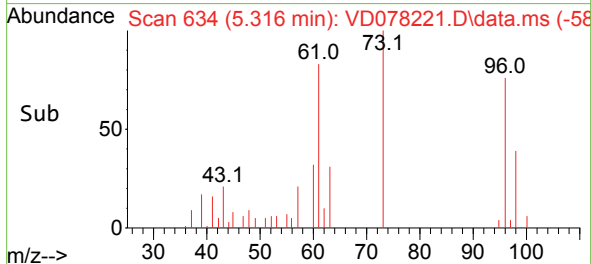


#21
trans-1,2-Dichloroethene
Concen: 5.710 ug/l
RT: 5.316 min Scan# 61
Delta R.T. -0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

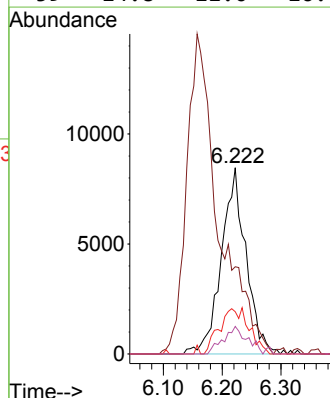
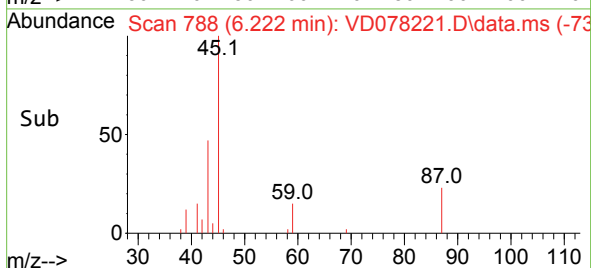
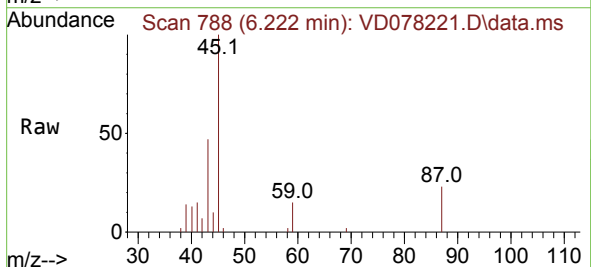


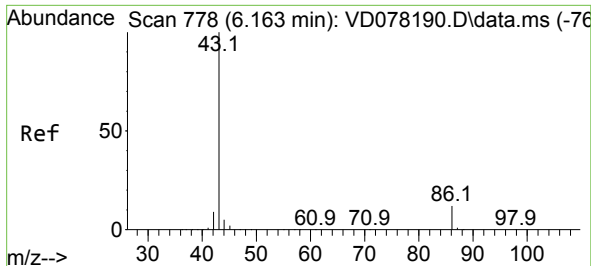
Tgt Ion:	96	Resp:	10274
Ion	Ratio	Lower	Upper
96	100		
61	109.5	89.3	133.9
98	51.3	48.6	73.0



#22
Diisopropyl ether
Concen: 5.663 ug/l
RT: 6.222 min Scan# 788
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion:	45	Resp:	24613
Ion	Ratio	Lower	Upper
45	100		
43	44.4	40.0	60.0
87	22.7	28.2	42.4#
59	14.8	11.0	16.4

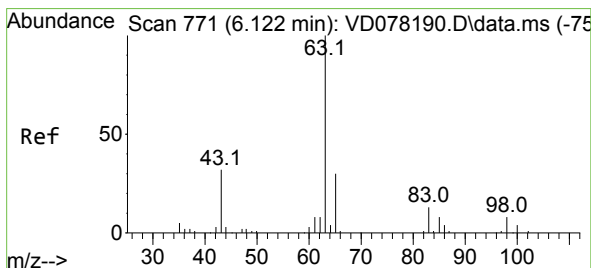
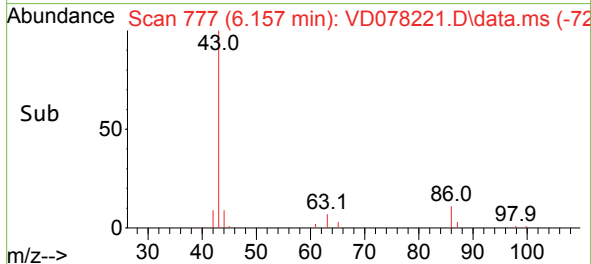
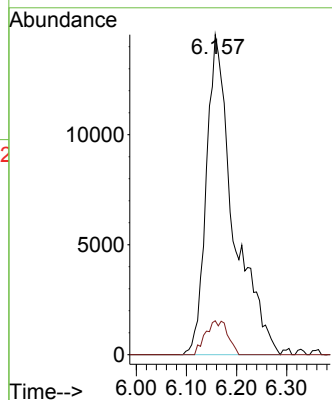
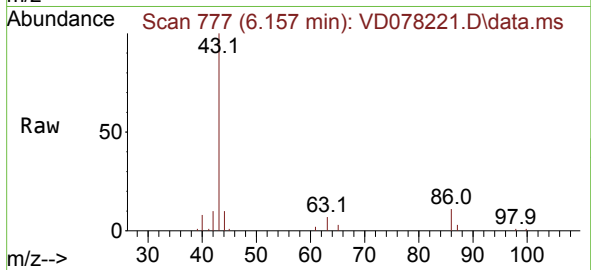




#23
 Vinyl Acetate
 Concen: 25.649 ug/l
 RT: 6.157 min Scan# 777
 Delta R.T. -0.006 min
 Lab File: VD078221.D
 Acq: 24 Jan 2024 14:26

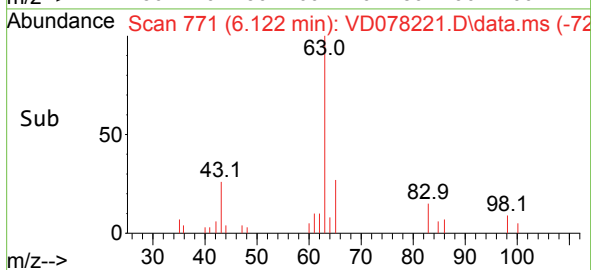
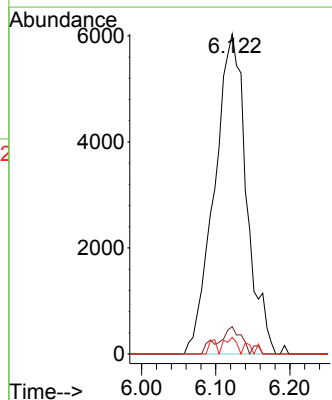
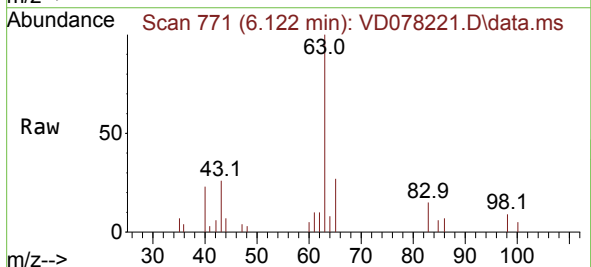
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

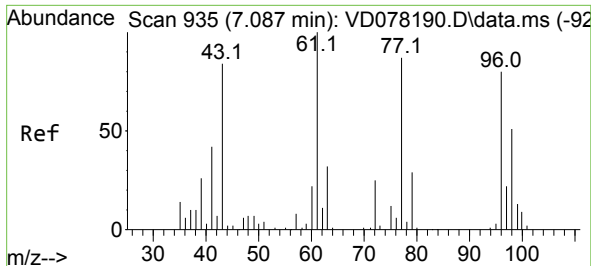
Tgt Ion: 43 Resp: 54925
 Ion Ratio Lower Upper
 43 100
 86 10.6 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 6.027 ug/l
 RT: 6.122 min Scan# 771
 Delta R.T. -0.000 min
 Lab File: VD078221.D
 Acq: 24 Jan 2024 14:26

Tgt Ion: 63 Resp: 18100
 Ion Ratio Lower Upper
 63 100
 98 8.5 4.5 13.7
 100 5.2 2.5 7.5

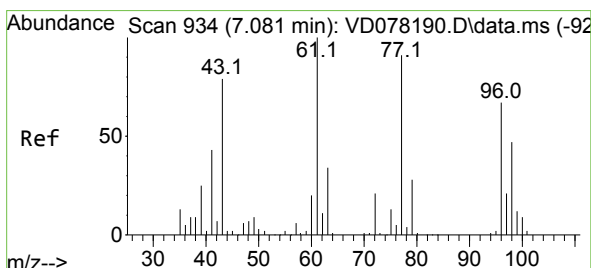
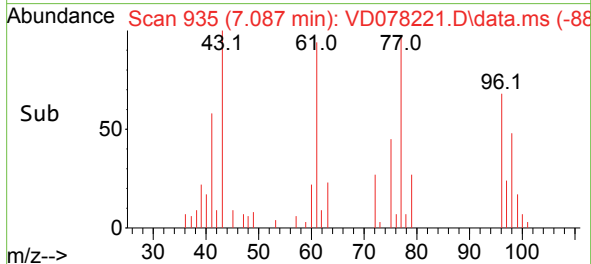
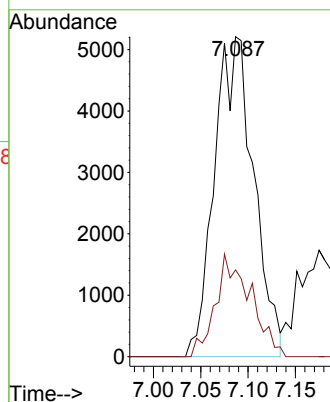
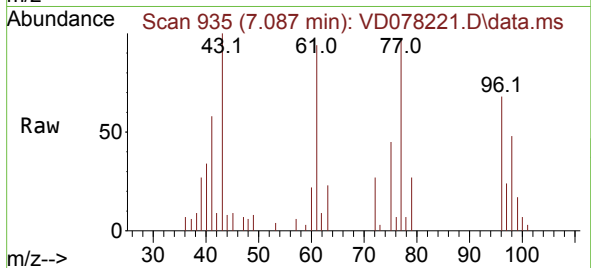




#25
2-Butanone
Concen: 29.691 ug/l
RT: 7.087 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

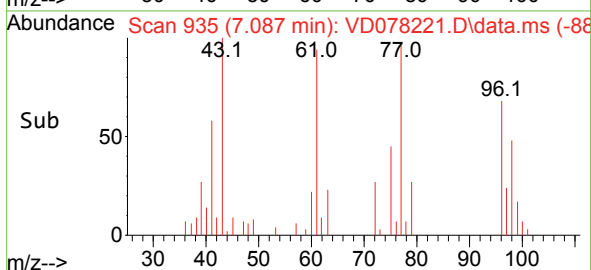
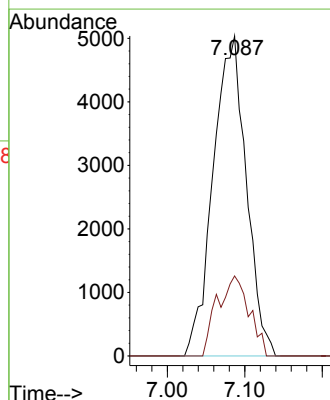
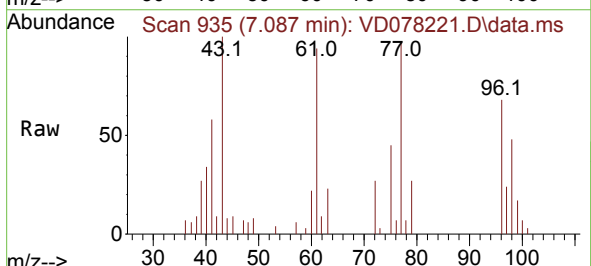
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

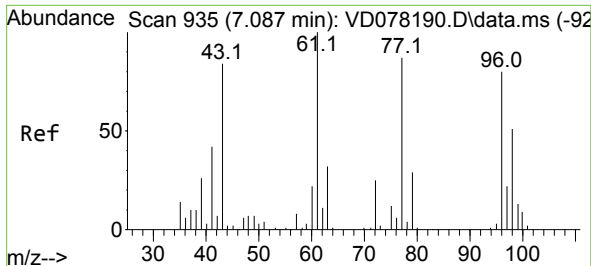
Tgt Ion: 43 Resp: 15024
Ion Ratio Lower Upper
43 100
72 27.1 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 5.948 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 77 Resp: 14965
Ion Ratio Lower Upper
77 100
97 24.0 13.2 39.6

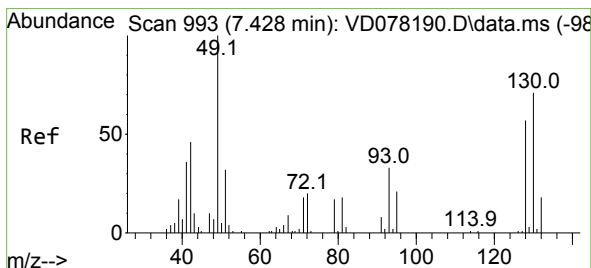
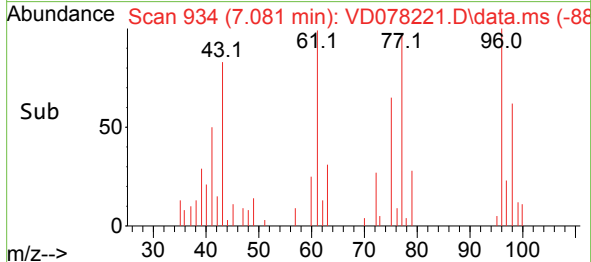
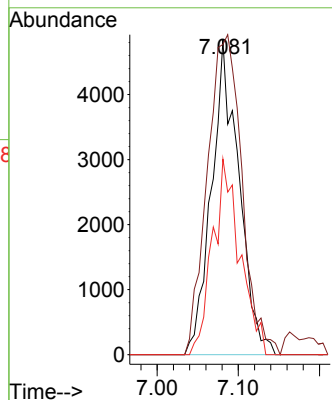
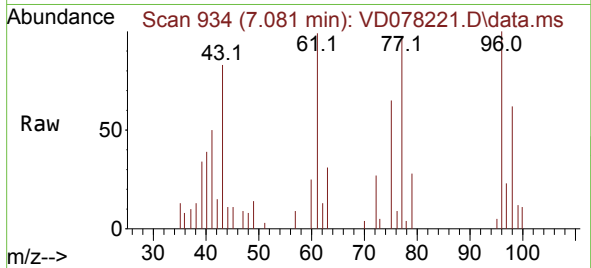




#27
 cis-1,2-Dichloroethene
 Concen: 5.877 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD078221.D
 Acq: 24 Jan 2024 14:26

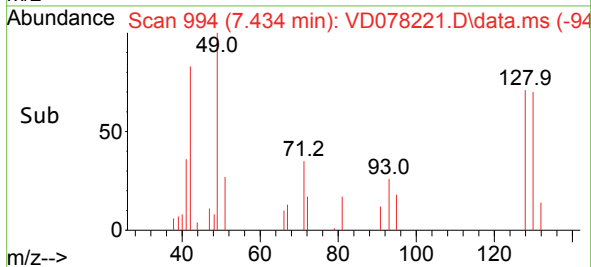
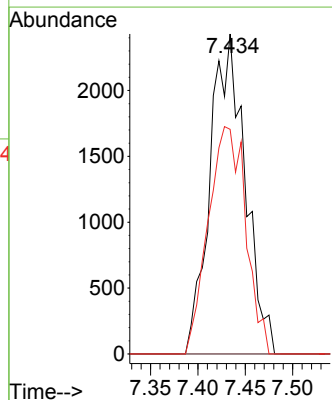
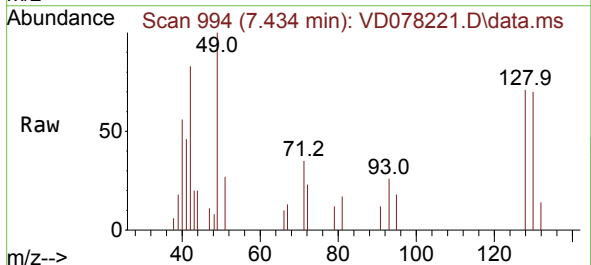
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

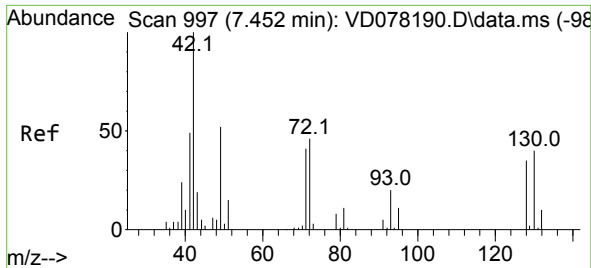
Tgt Ion: 96 Resp: 11360
 Ion Ratio Lower Upper
 96 100
 61 127.9 0.0 239.2
 98 62.1 0.0 128.6



#28
 Bromochloromethane
 Concen: 5.328 ug/l
 RT: 7.434 min Scan# 994
 Delta R.T. 0.006 min
 Lab File: VD078221.D
 Acq: 24 Jan 2024 14:26

Tgt Ion: 49 Resp: 6241
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.0
 130 75.9 83.2 124.8#

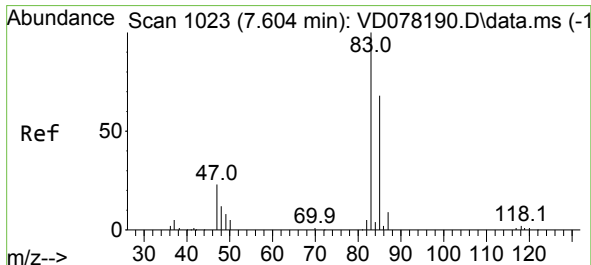
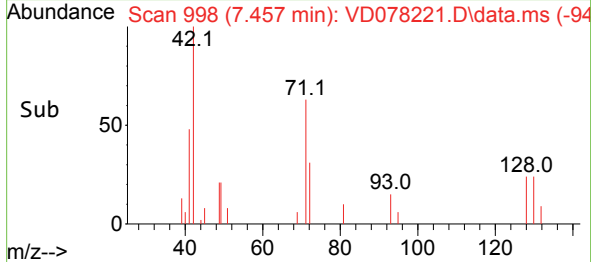
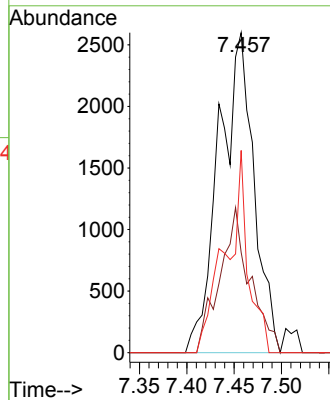
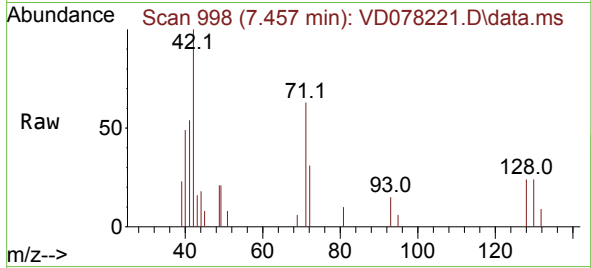




#29
Tetrahydrofuran
Concen: 28.082 ug/l
RT: 7.457 min Scan# 997
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

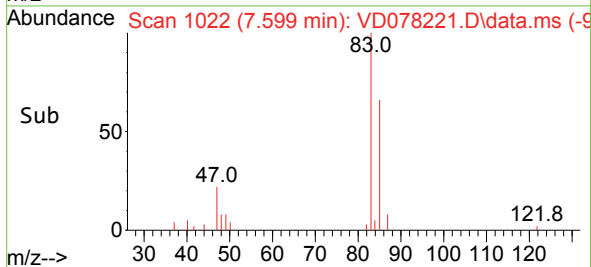
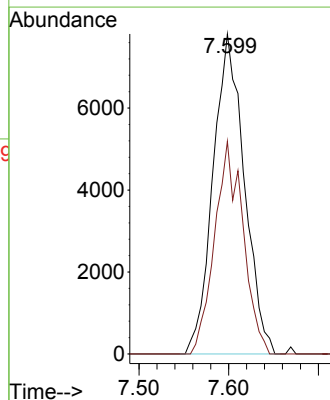
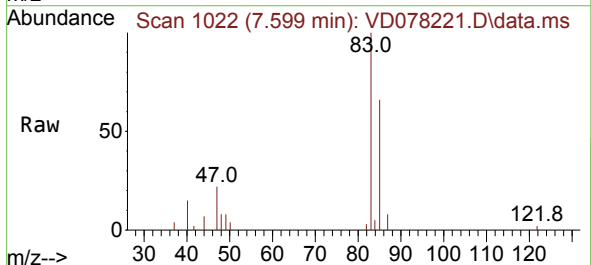
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

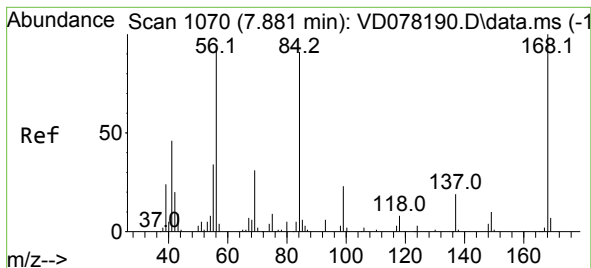
Tgt Ion: 42 Resp: 6655
Ion Ratio Lower Upper
42 100
72 39.5 46.5 69.7#
71 40.7 44.5 66.7#



#30
Chloroform
Concen: 6.181 ug/l
RT: 7.599 min Scan# 1022
Delta R.T. -0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 83 Resp: 18878
Ion Ratio Lower Upper
83 100
85 66.4 53.4 80.2





#31

Cyclohexane

Concen: 6.452 ug/l

RT: 7.881 min Scan# 1070

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

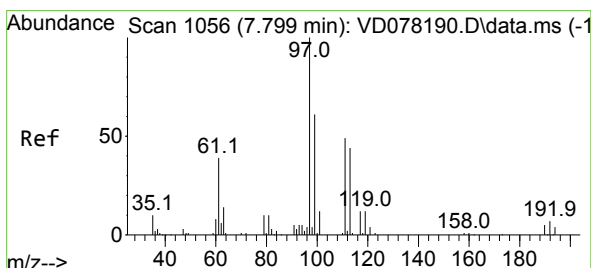
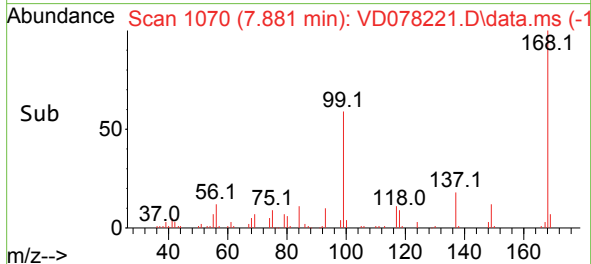
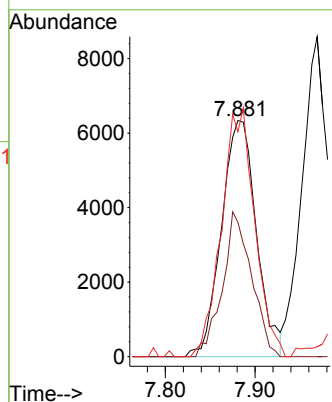
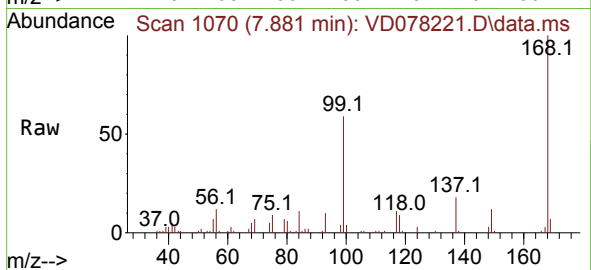
Tgt Ion: 56 Resp: 17136

Ion Ratio Lower Upper

56 100

69 56.9 28.6 43.0#

84 95.3 84.8 127.2



#32

1,1,1-Trichloroethane

Concen: 6.134 ug/l

RT: 7.793 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

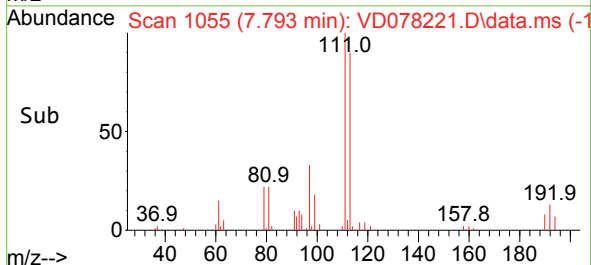
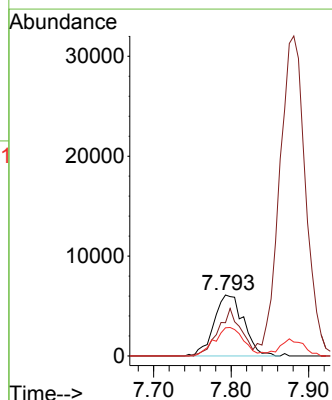
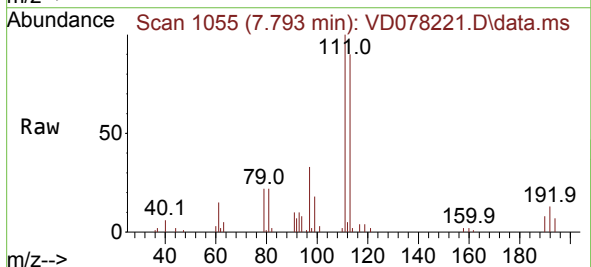
Tgt Ion: 97 Resp: 16185

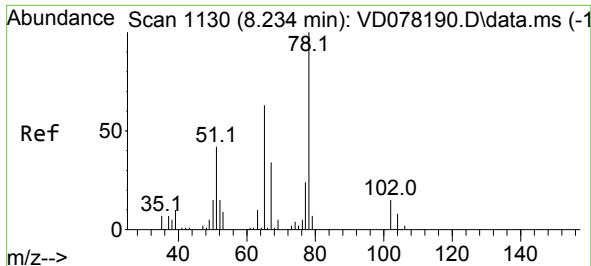
Ion Ratio Lower Upper

97 100

99 59.9 52.0 78.0

61 47.0 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 50.282 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

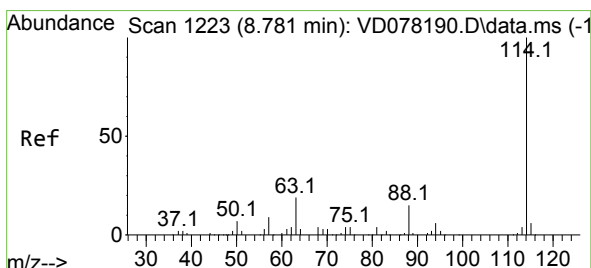
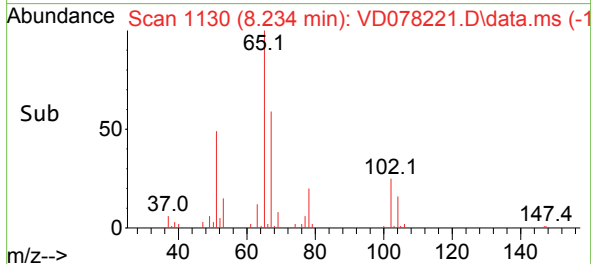
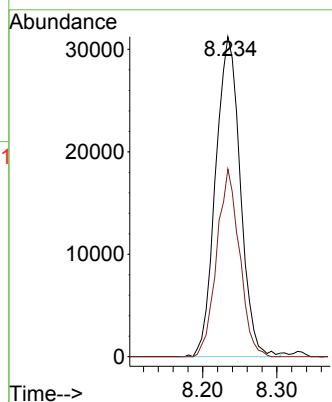
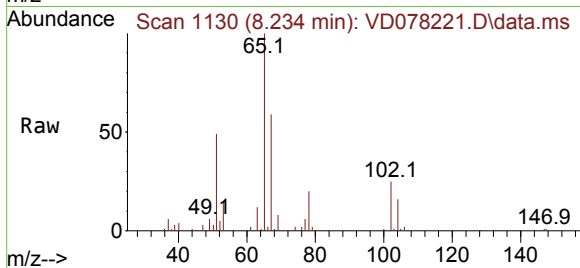
LOQ-SOIL-02-QT1-2024

Tgt Ion: 65 Resp: 72228

Ion Ratio Lower Upper

65 100

67 54.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

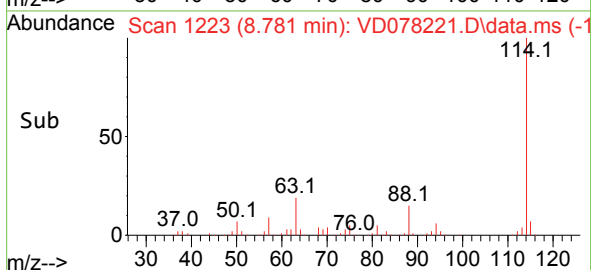
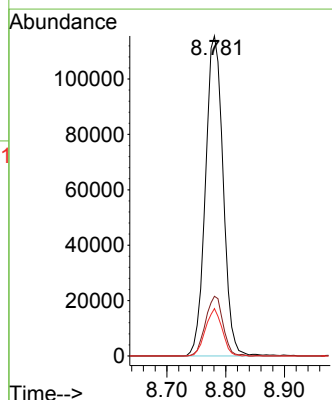
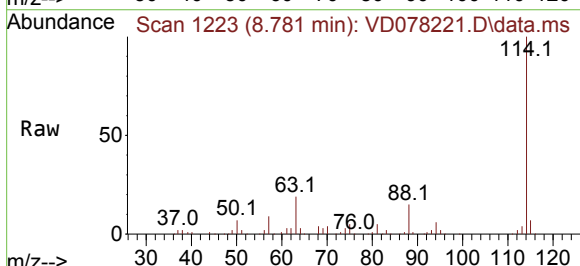
Tgt Ion: 114 Resp: 240698

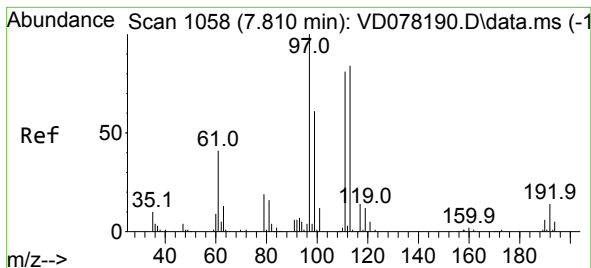
Ion Ratio Lower Upper

114 100

63 18.6 0.0 33.4

88 14.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 48.072 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VD078221.D

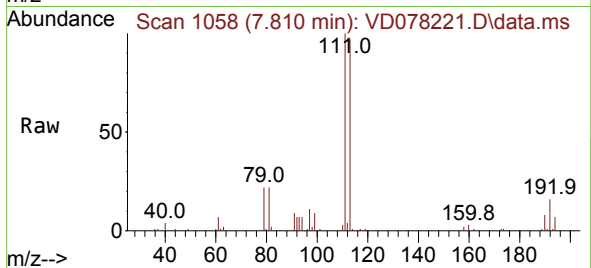
Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024



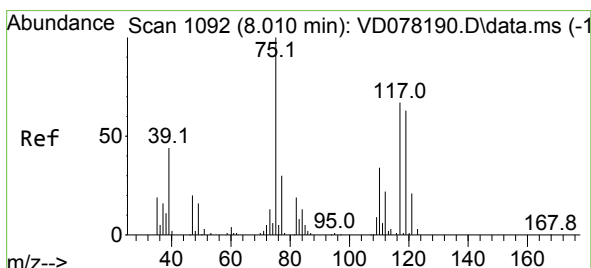
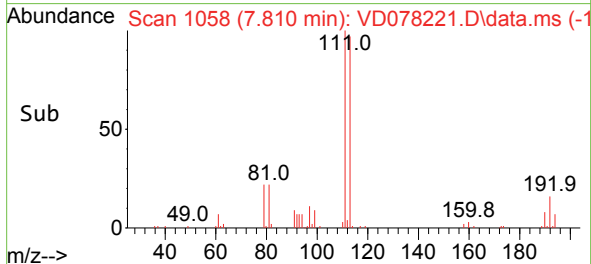
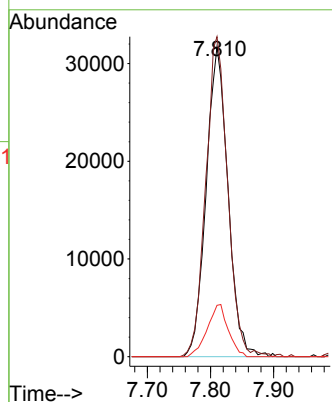
Tgt Ion:113 Resp: 76151

Ion Ratio Lower Upper

113 100

111 103.2 84.7 127.1

192 16.1 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 5.109 ug/l

RT: 8.016 min Scan# 1093

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

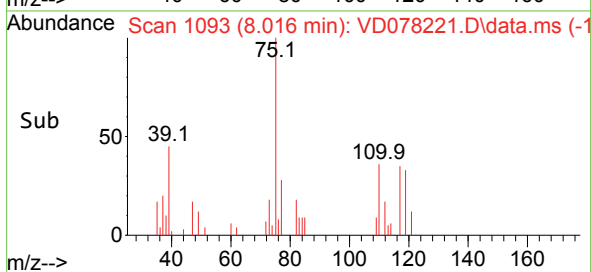
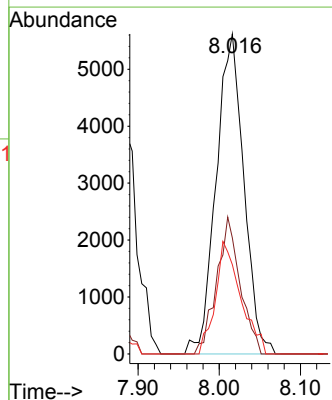
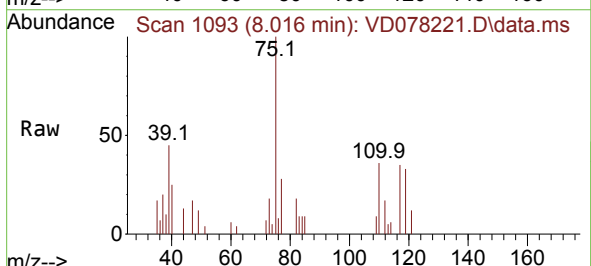
Tgt Ion: 75 Resp: 13309

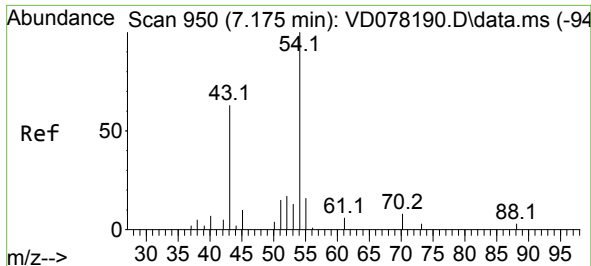
Ion Ratio Lower Upper

75 100

110 36.5 19.9 59.6

77 32.1 24.7 37.1





#37

Ethyl Acetate

Concen: 5.257 ug/l

RT: 7.175 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

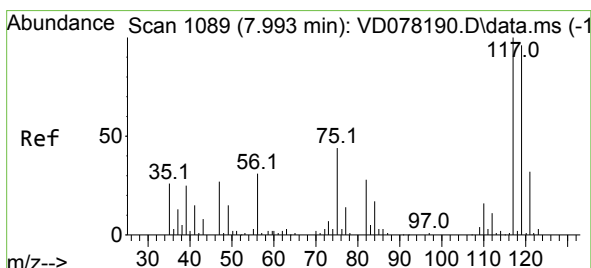
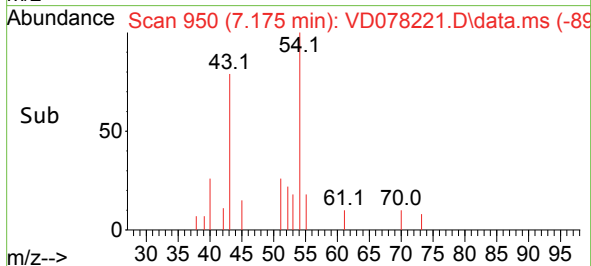
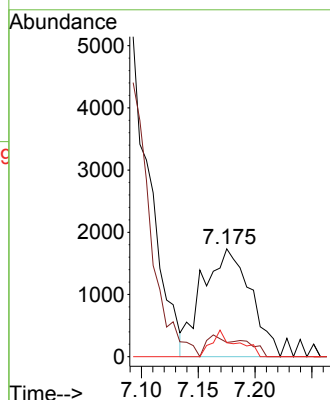
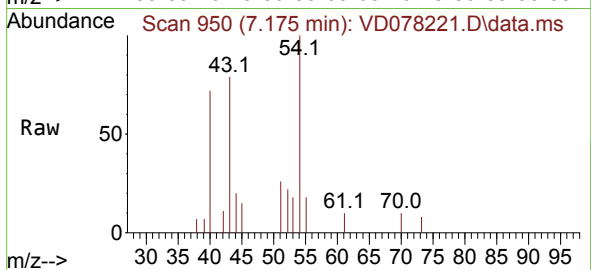
Tgt Ion: 43 Resp: 5098

Ion Ratio Lower Upper

43 100

61 15.3 14.9 22.3

70 12.8 10.0 15.0



#38

Carbon Tetrachloride

Concen: 5.088 ug/l

RT: 7.999 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

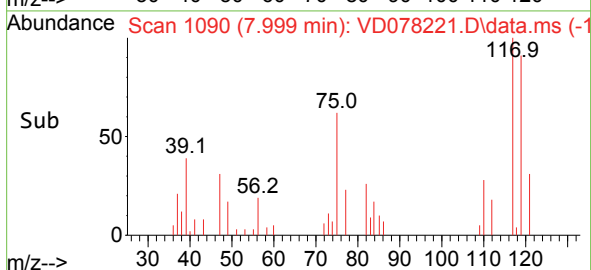
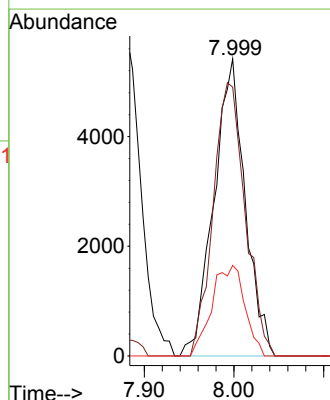
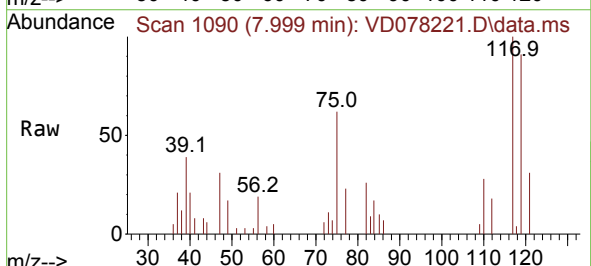
Tgt Ion: 117 Resp: 13091

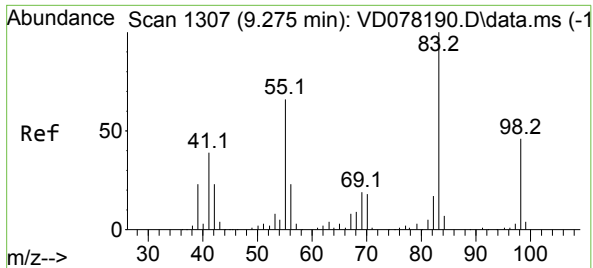
Ion Ratio Lower Upper

117 100

119 90.5 78.0 117.0

121 30.5 24.2 36.2





#39

Methylcyclohexane

Concen: 5.198 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

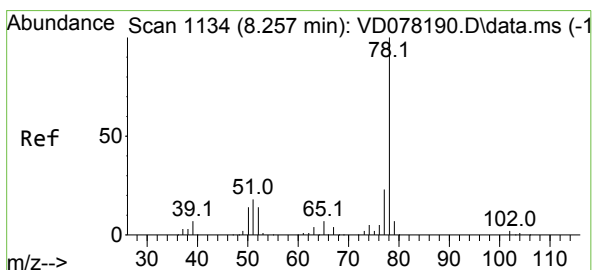
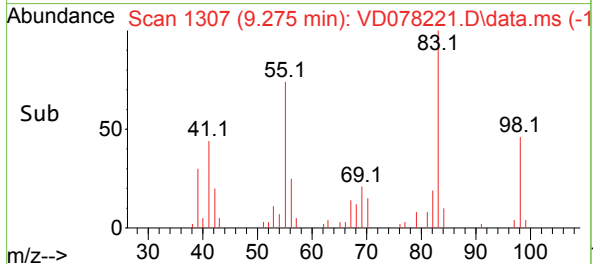
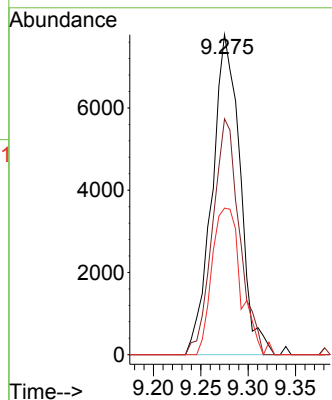
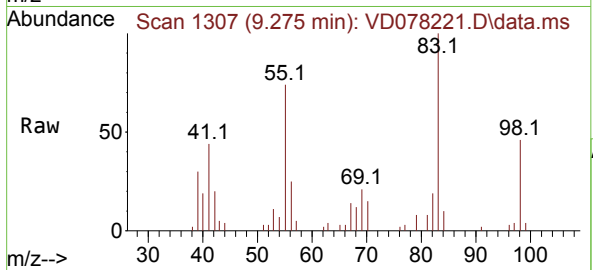
Tgt Ion: 83 Resp: 16014

Ion Ratio Lower Upper

83 100

55 73.7 49.4 74.0

98 45.8 38.4 57.6



#40

Benzene

Concen: 5.362 ug/l

RT: 8.251 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VD078221.D

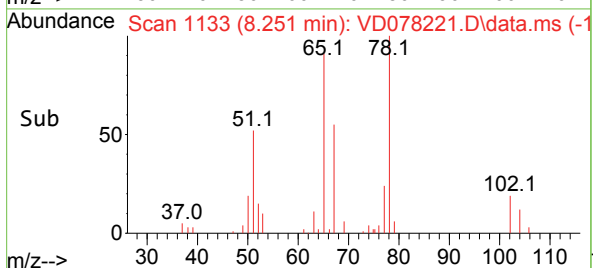
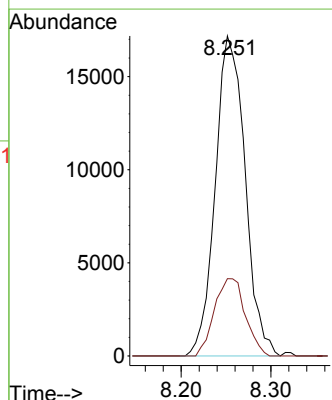
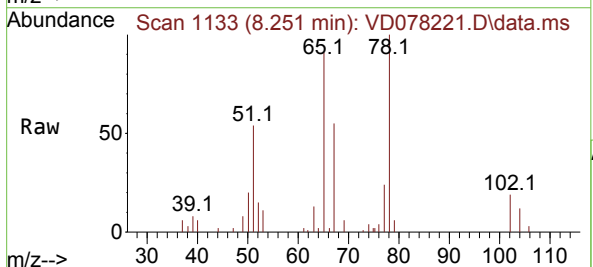
Acq: 24 Jan 2024 14:26

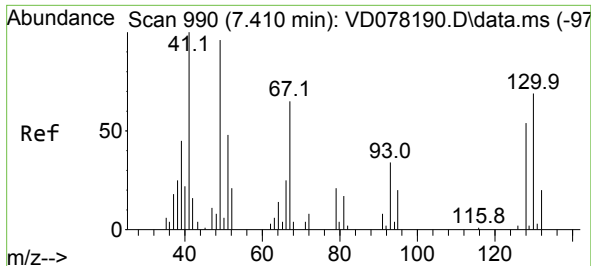
Tgt Ion: 78 Resp: 39637

Ion Ratio Lower Upper

78 100

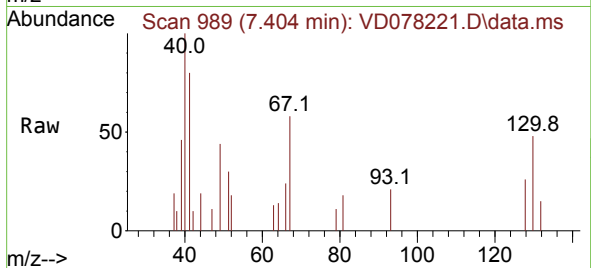
77 24.1 19.4 29.0



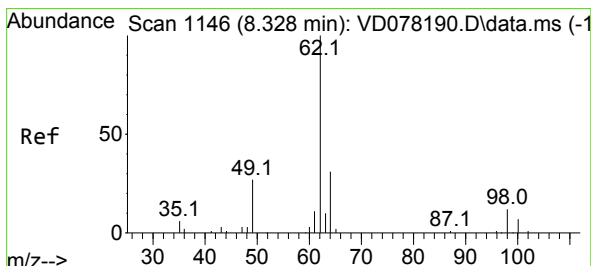
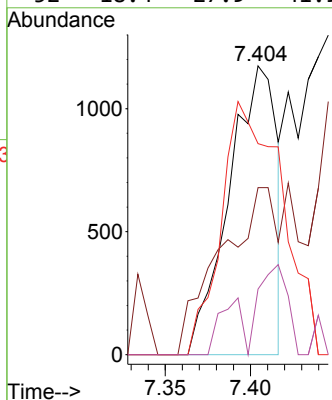
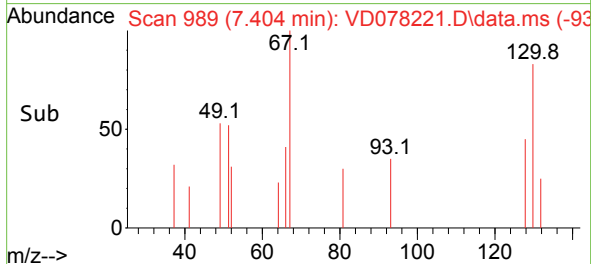


#41
Methacrylonitrile
Concen: 4.312 ug/l
RT: 7.404 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

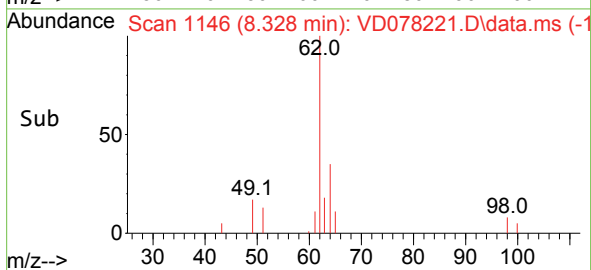
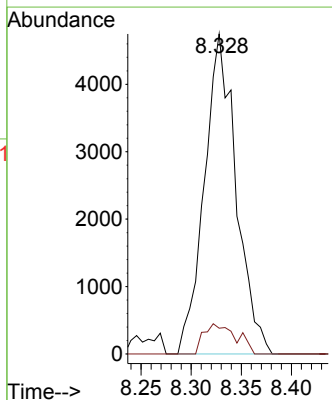
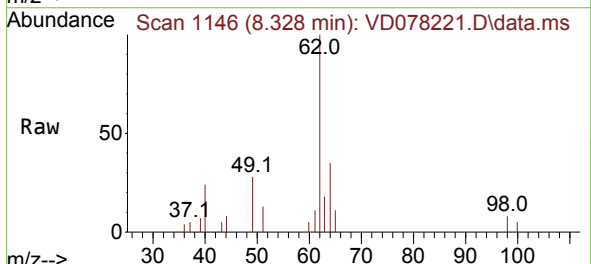


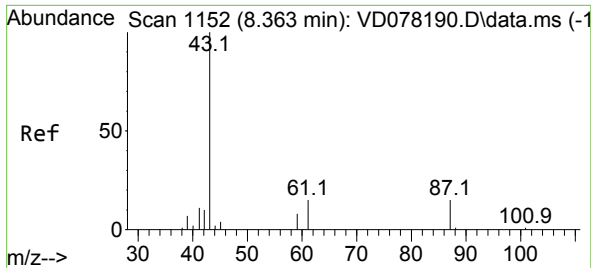
Tgt Ion: 41 Resp: 2296
Ion Ratio Lower Upper
41 100
39 92.6 34.0 51.0#
67 0.0 77.0 115.4#
52 18.4 27.9 41.9#



#42
1,2-Dichloroethane
Concen: 5.450 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 62 Resp: 10482
Ion Ratio Lower Upper
62 100
98 9.6 0.0 25.4

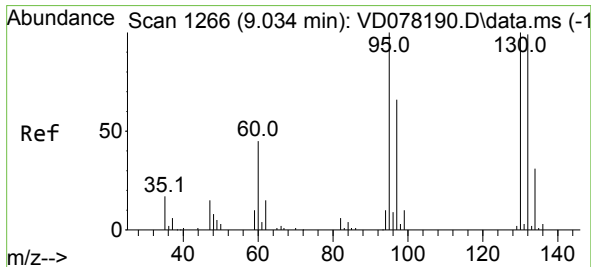
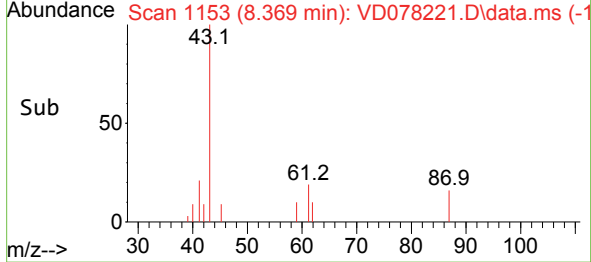
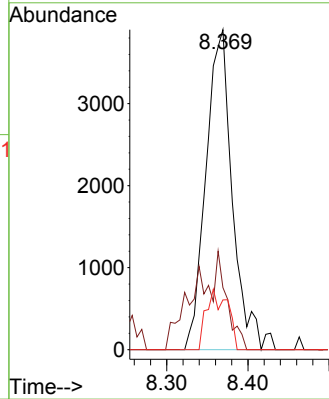
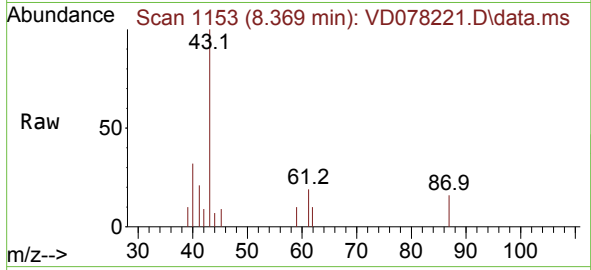




#43
Isopropyl Acetate
Concen: 4.997 ug/l
RT: 8.369 min Scan# 1153
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

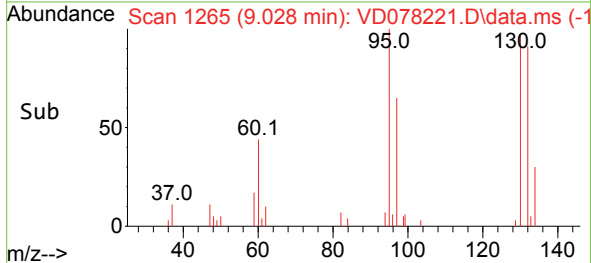
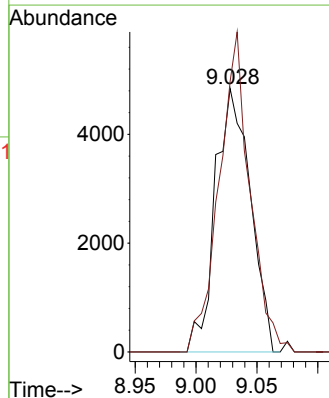
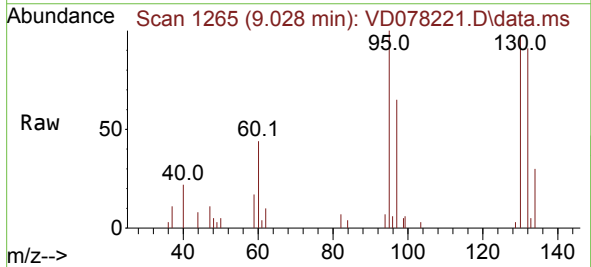
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

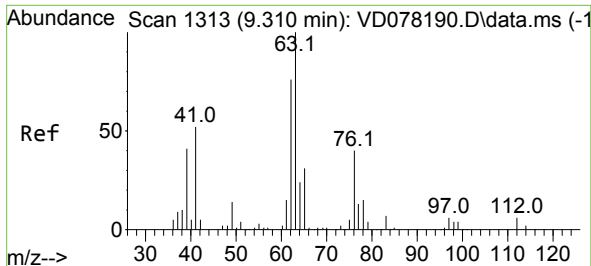
Tgt Ion: 43 Resp: 8878
Ion Ratio Lower Upper
43 100
61 13.0 31.4 47.0#
87 15.1 14.9 22.3



#44
Trichloroethene
Concen: 5.144 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 130 Resp: 9728
Ion Ratio Lower Upper
130 100
95 102.7 0.0 179.2

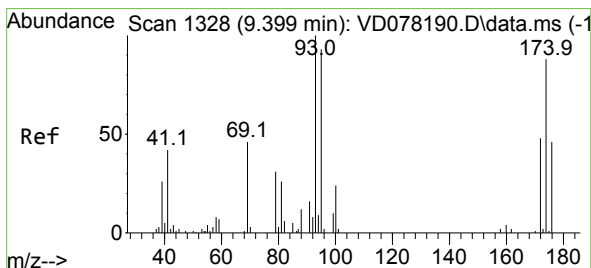
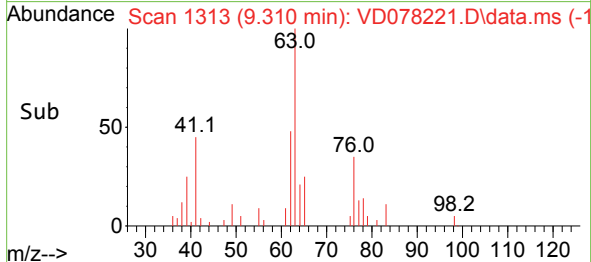
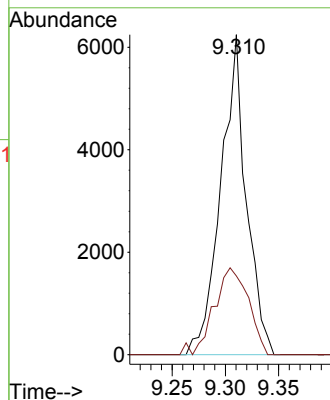
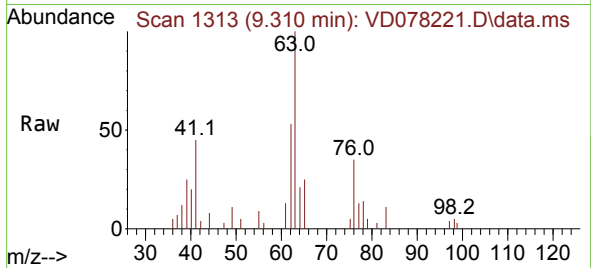




#45
1,2-Dichloropropane
Concen: 5.667 ug/l
RT: 9.310 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

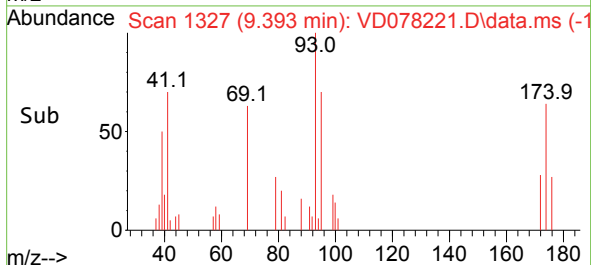
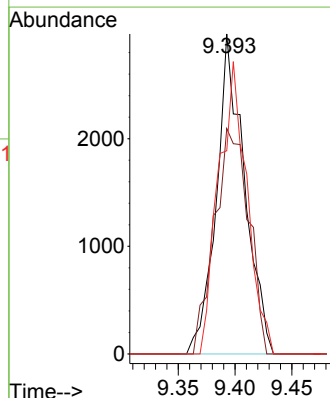
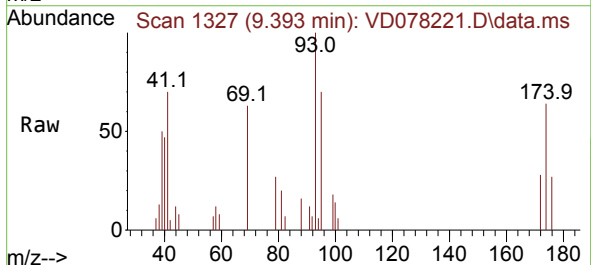
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

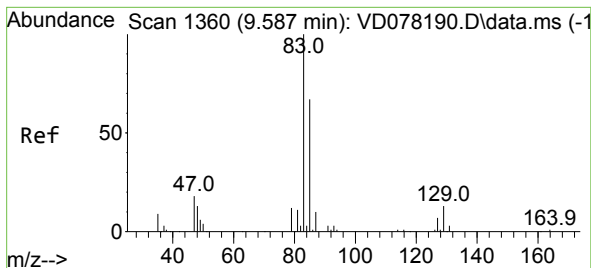
Tgt Ion: 63 Resp: 10395
Ion Ratio Lower Upper
63 100
65 24.6 24.5 36.7



#46
Dibromomethane
Concen: 5.058 ug/l
RT: 9.393 min Scan# 1327
Delta R.T. -0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 93 Resp: 5095
Ion Ratio Lower Upper
93 100
95 86.1 67.7 101.5
174 92.1 85.4 128.2





#47

Bromodichloromethane

Concen: 5.214 ug/l

RT: 9.593 min Scan# 1361

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

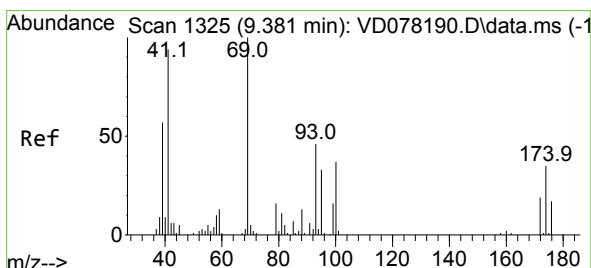
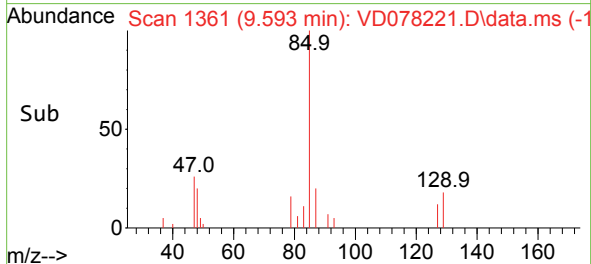
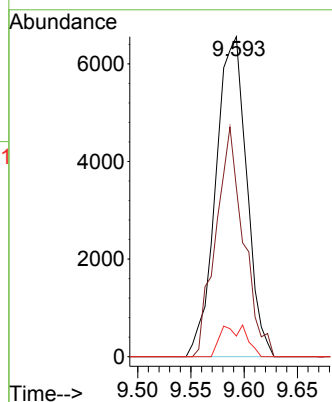
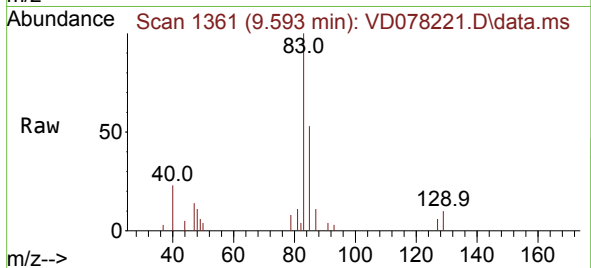
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: 83	Resp:	13194
Ion Ratio	Lower	Upper
83	100	
85	52.9	50.2 75.4
127	6.5	6.3 9.5



#48

Methyl methacrylate

Concen: 5.772 ug/l

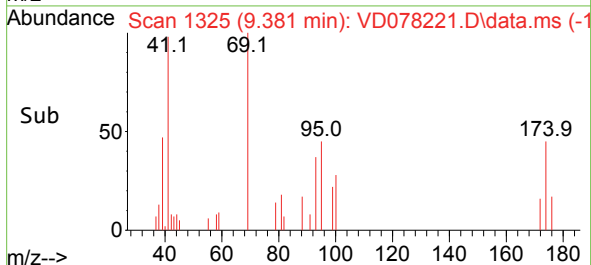
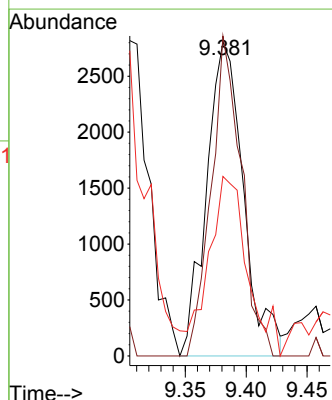
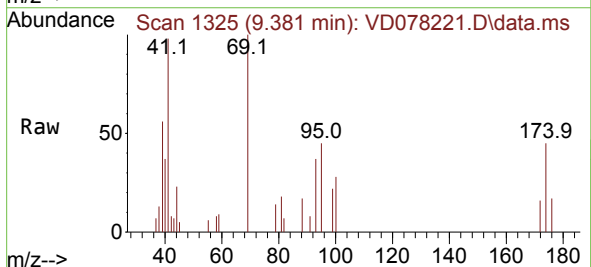
RT: 9.381 min Scan# 1325

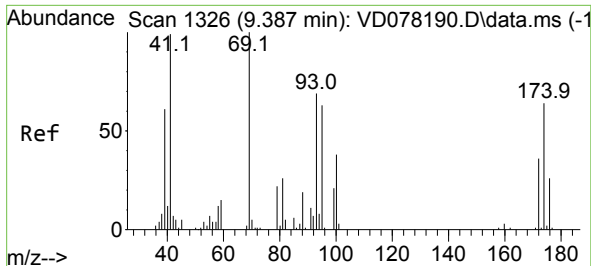
Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Tgt Ion: 41	Resp:	5937
Ion Ratio	Lower	Upper
41	100	
69	82.9	102.2 153.2#
39	58.8	41.4 62.2





#49

1,4-Dioxane

Concen: 90.176 ug/l

RT: 9.393 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD078221.D

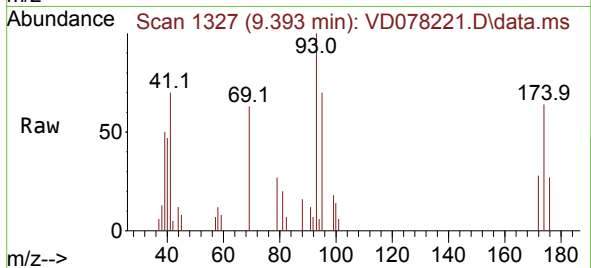
Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024



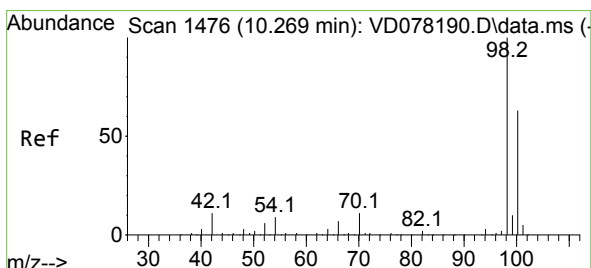
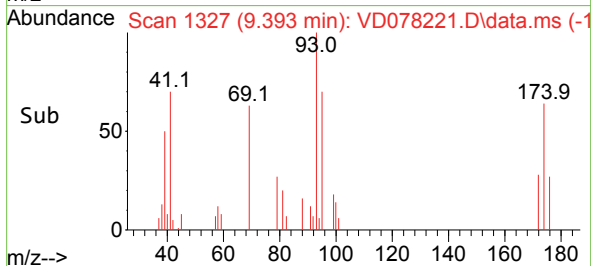
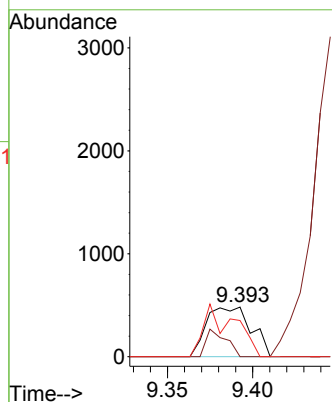
Tgt Ion: 88 Resp: 879

Ion Ratio Lower Upper

88 100

43 24.5 19.0 28.6

58 73.2 43.5 65.3#



#50

Toluene-d8

Concen: 47.075 ug/l

RT: 10.275 min Scan# 1477

Delta R.T. 0.006 min

Lab File: VD078221.D

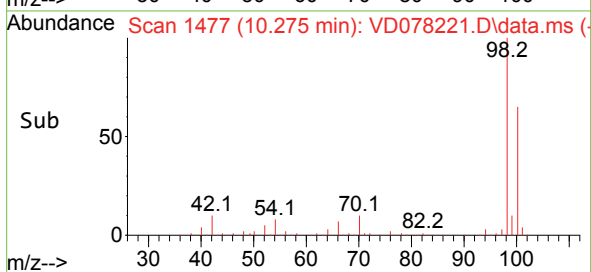
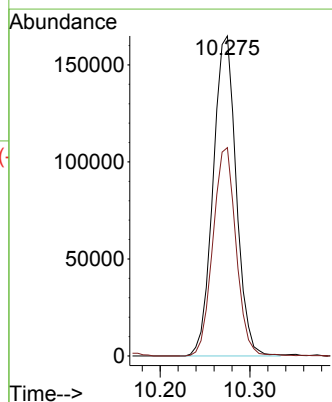
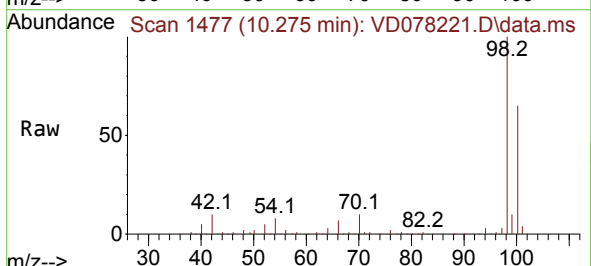
Acq: 24 Jan 2024 14:26

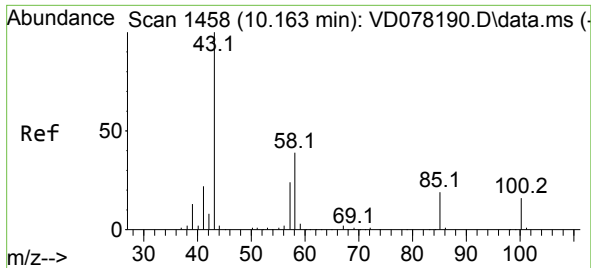
Tgt Ion: 98 Resp: 295277

Ion Ratio Lower Upper

98 100

100 65.1 50.3 75.5

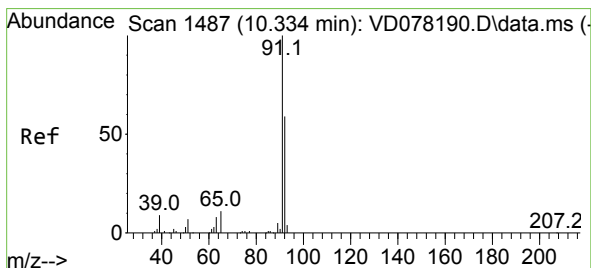
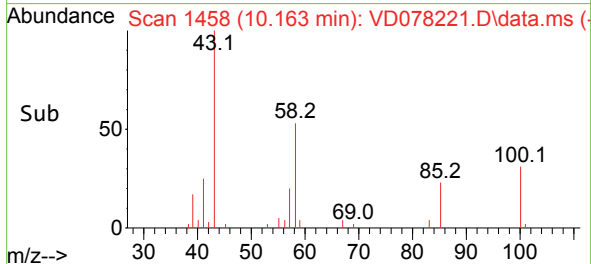
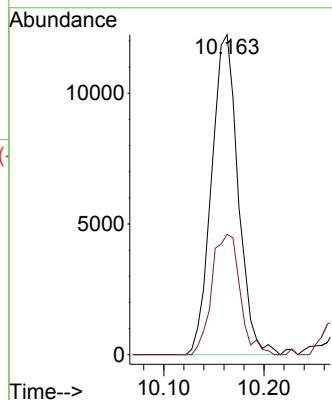
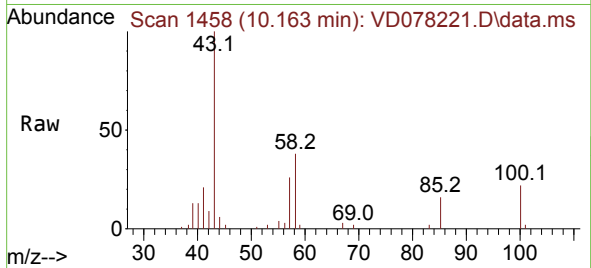




#51
4-Methyl-2-Pentanone
Concen: 24.197 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

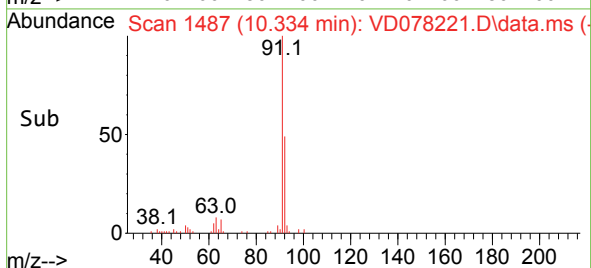
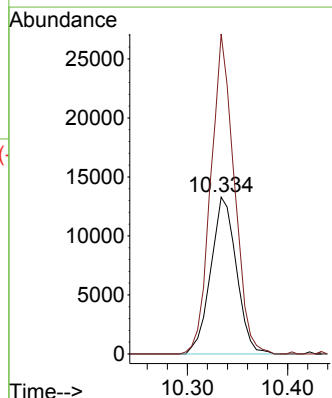
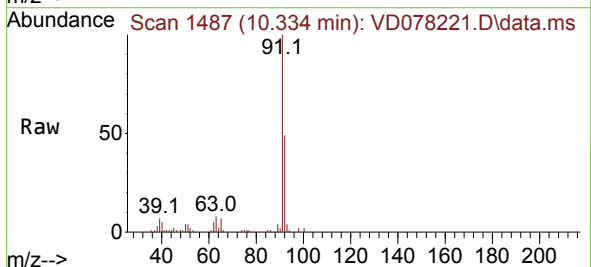
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

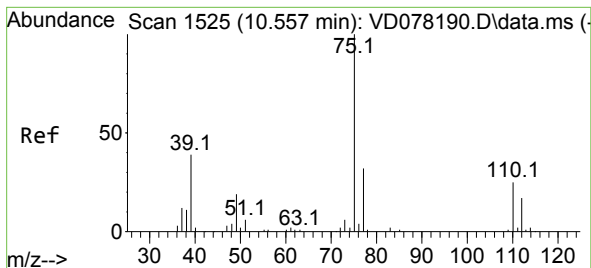
Tgt Ion: 43 Resp: 22591
Ion Ratio Lower Upper
43 100
58 39.9 38.9 58.3



#52
Toluene
Concen: 5.041 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 92 Resp: 23621
Ion Ratio Lower Upper
92 100
91 186.8 143.0 214.4





#53

t-1,3-Dichloropropene

Concen: 5.209 ug/l

RT: 10.557 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

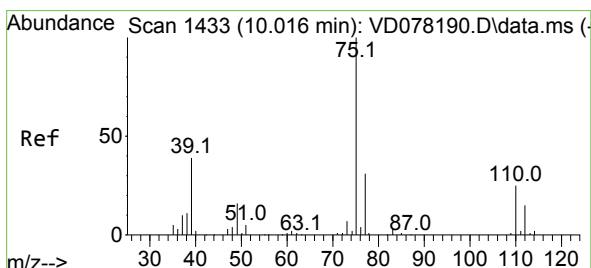
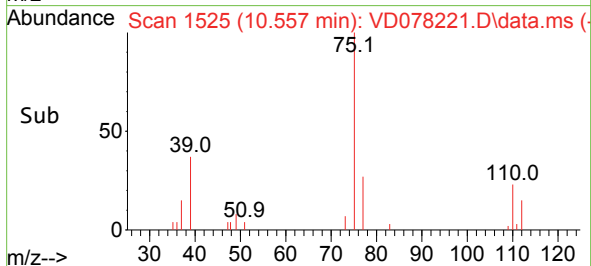
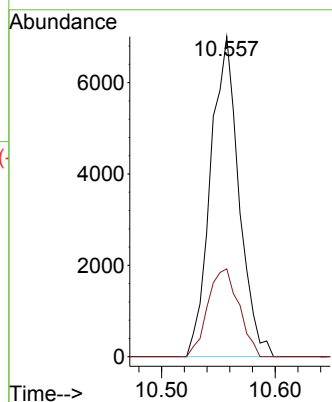
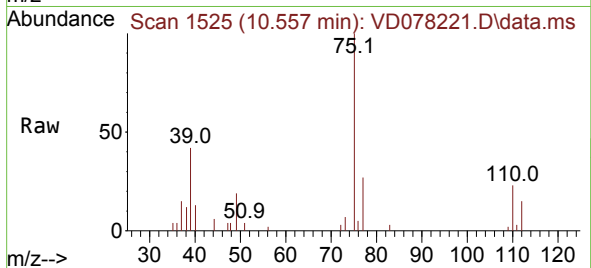
LOQ-SOIL-02-QT1-2024

Tgt Ion: 75 Resp: 12162

Ion Ratio Lower Upper

75 100

77 27.5 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 5.261 ug/l

RT: 10.022 min Scan# 1434

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

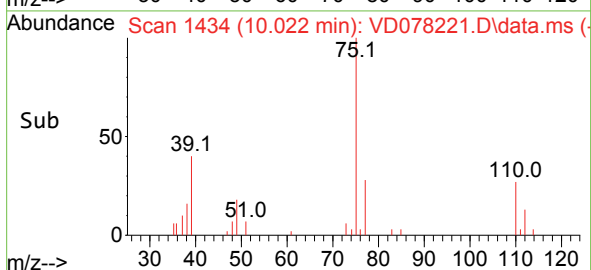
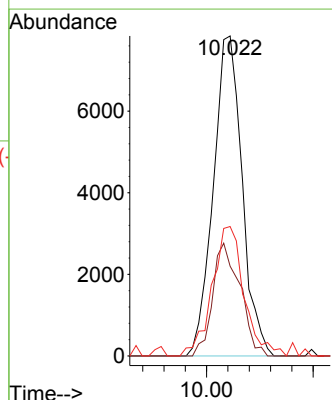
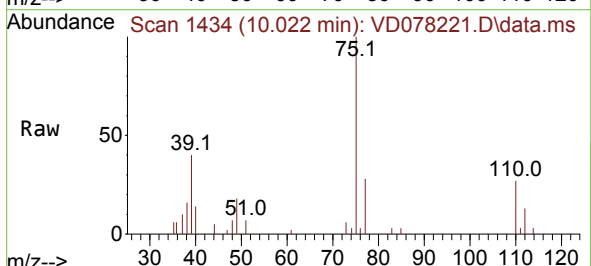
Tgt Ion: 75 Resp: 14725

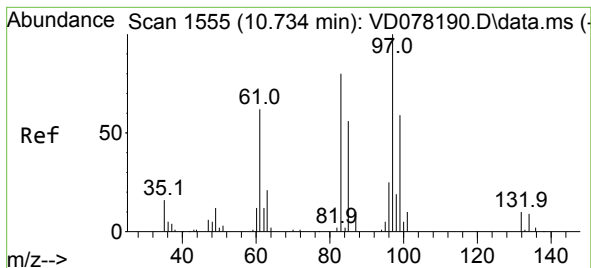
Ion Ratio Lower Upper

75 100

77 28.1 25.5 38.3

39 40.5 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 5.581 ug/l

RT: 10.740 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: 97 Resp: 7523

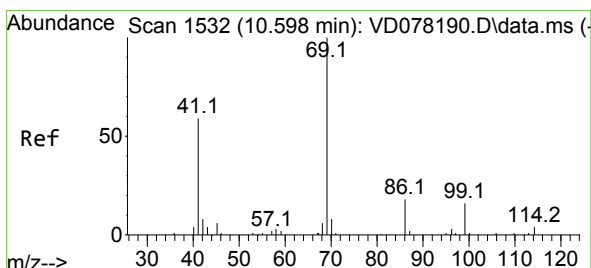
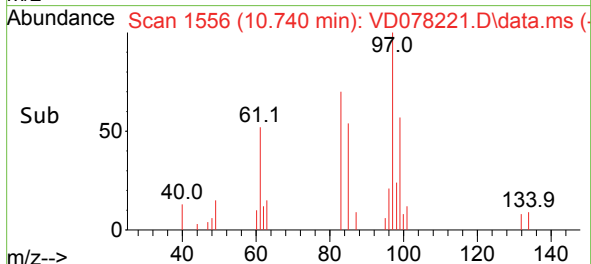
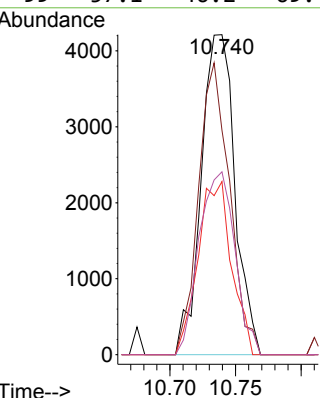
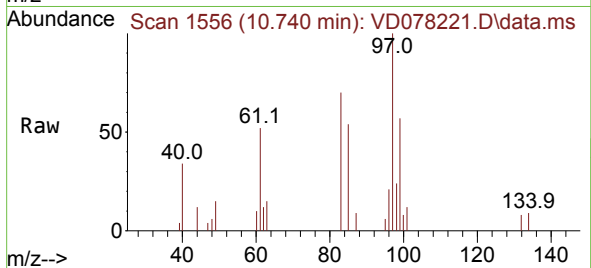
Ion Ratio Lower Upper

97 100

83 70.1 65.8 98.6

85 54.1 45.7 68.5

99 57.1 46.2 69.4



#56

Ethyl methacrylate

Concen: 4.464 ug/l

RT: 10.604 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

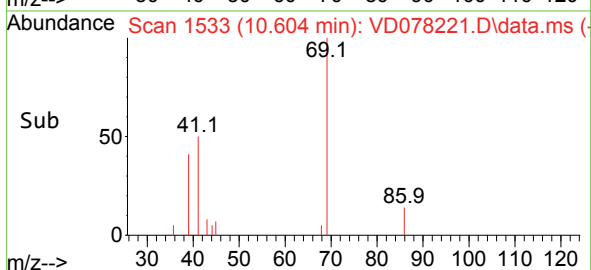
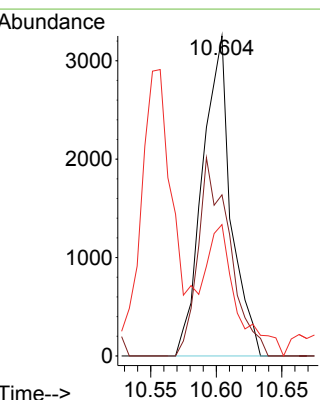
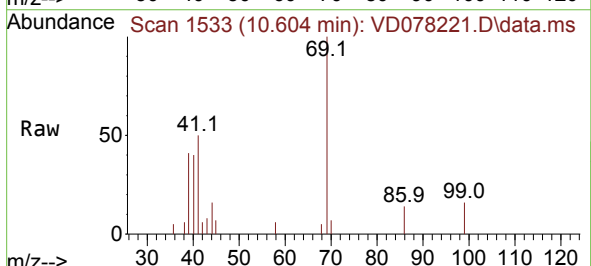
Tgt Ion: 69 Resp: 4926

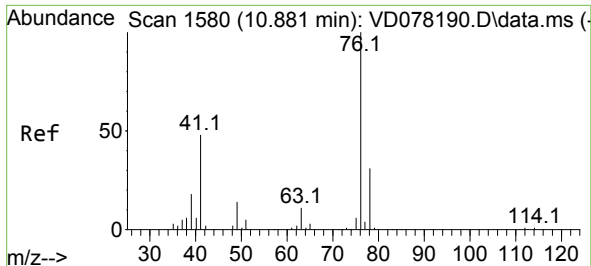
Ion Ratio Lower Upper

69 100

41 68.8 39.1 58.7#

39 42.6 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 5.120 ug/l

RT: 10.887 min Scan# 1581

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

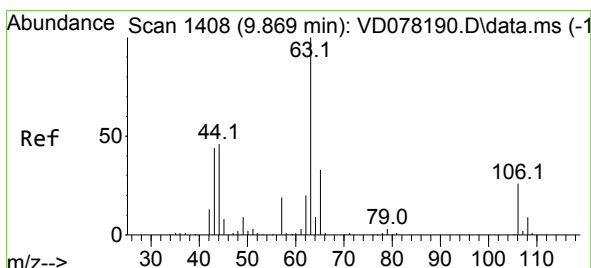
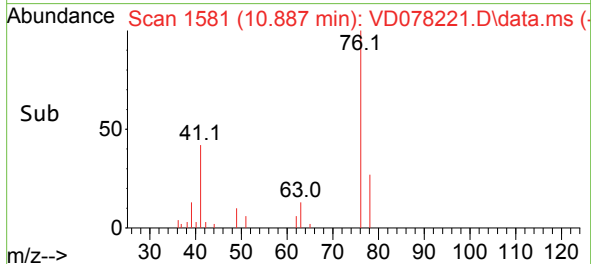
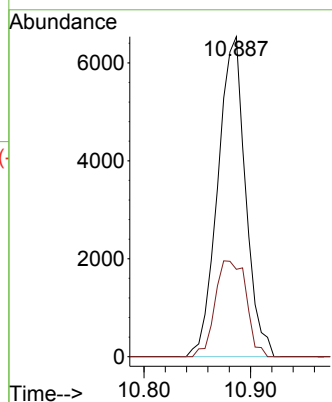
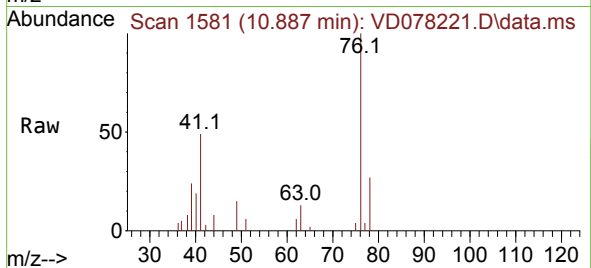
LOQ-SOIL-02-QT1-2024

Tgt Ion: 76 Resp: 11803

Ion Ratio Lower Upper

76 100

78 33.6 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 19.042 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. -0.000 min

Lab File: VD078221.D

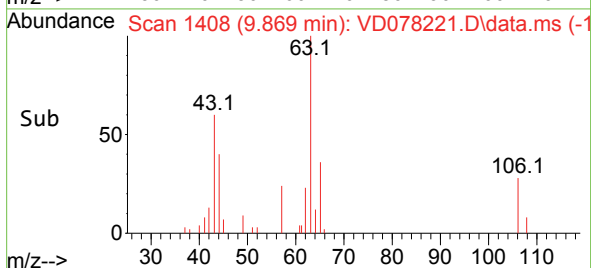
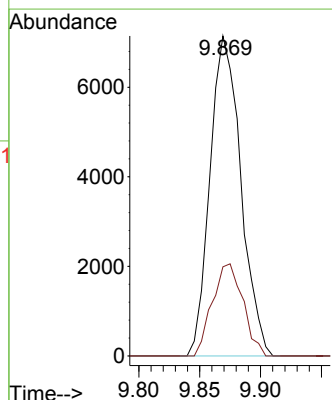
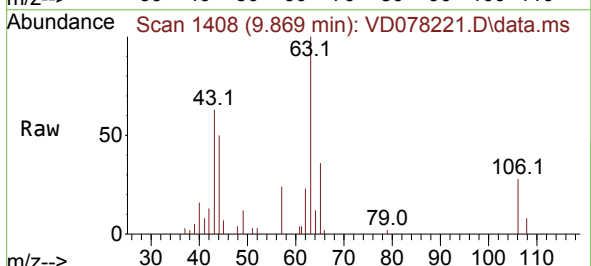
Acq: 24 Jan 2024 14:26

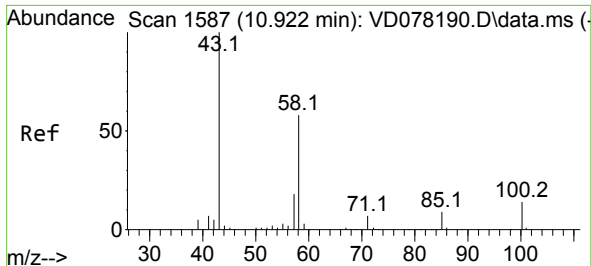
Tgt Ion: 63 Resp: 12592

Ion Ratio Lower Upper

63 100

106 28.6 25.3 37.9

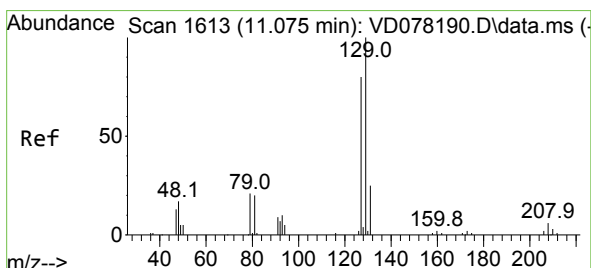
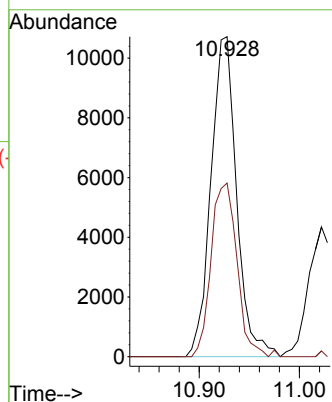
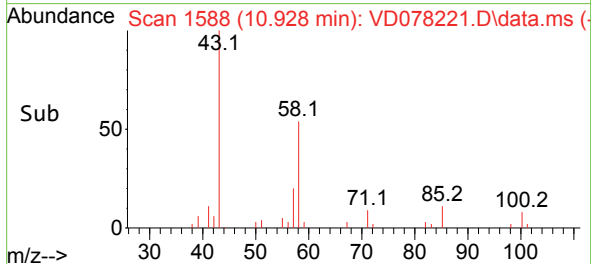
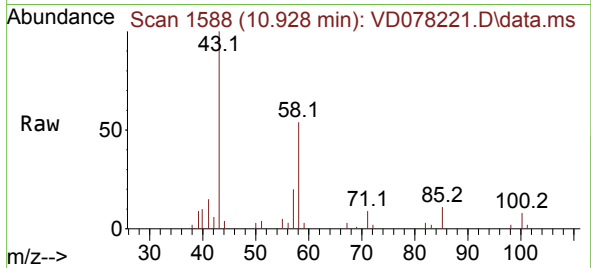




#59
2-Hexanone
Concen: 25.141 ug/l
RT: 10.928 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

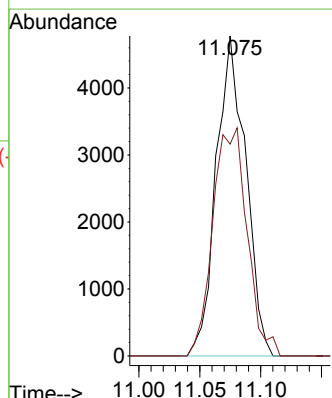
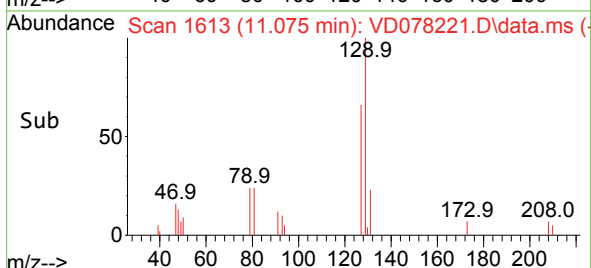
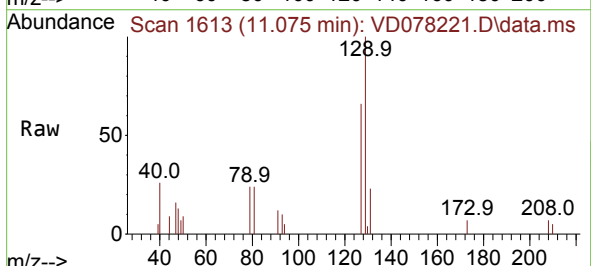
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

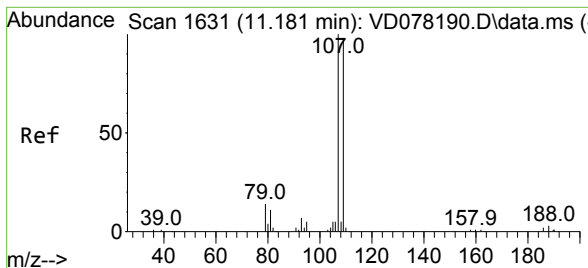
Tgt Ion: 43 Resp: 19074
Ion Ratio Lower Upper
43 100
58 54.4 34.1 102.2



#60
Dibromochloromethane
Concen: 5.082 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 129 Resp: 8077
Ion Ratio Lower Upper
129 100
127 82.5 37.1 111.5

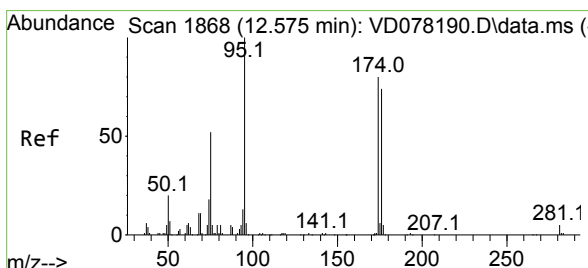
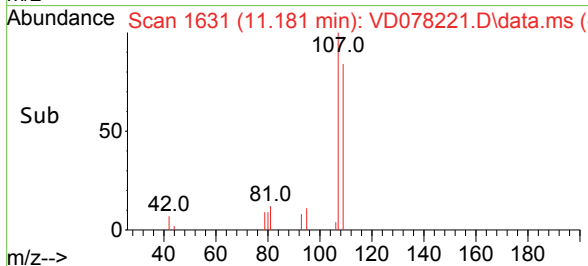
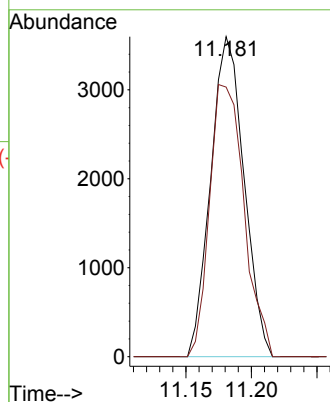
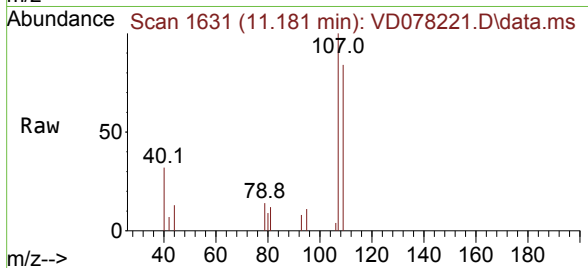




#61
1,2-Dibromoethane
Concen: 5.114 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

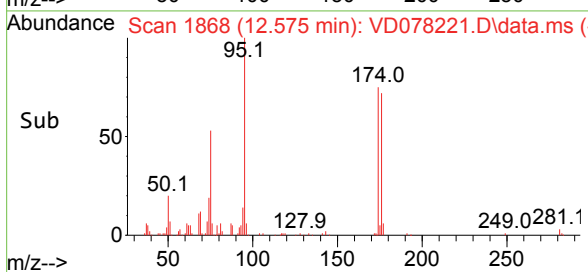
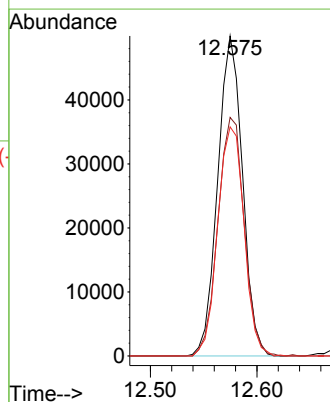
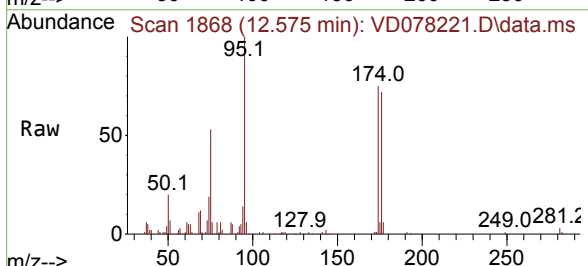
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

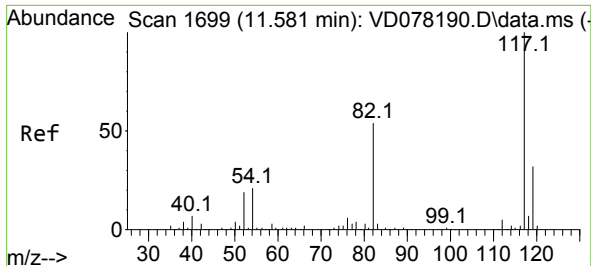
Tgt Ion:107 Resp: 6354
Ion Ratio Lower Upper
107 100
109 87.9 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 44.341 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 95 Resp: 80659
Ion Ratio Lower Upper
95 100
174 79.0 0.0 201.8
176 76.2 0.0 191.8

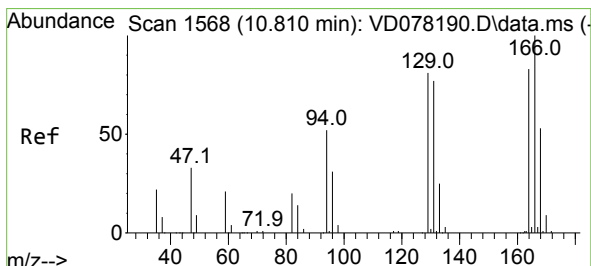
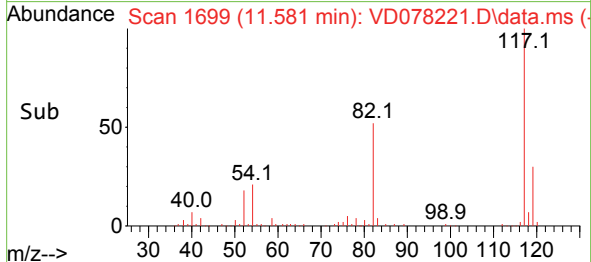
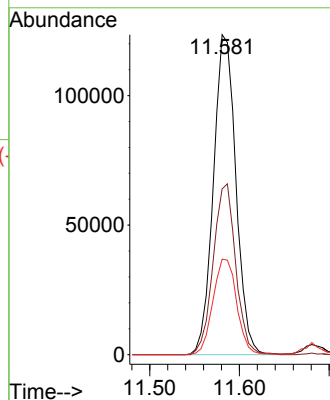
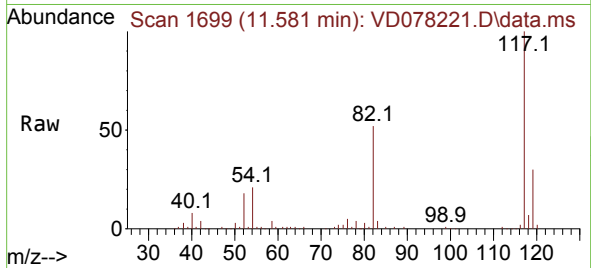




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

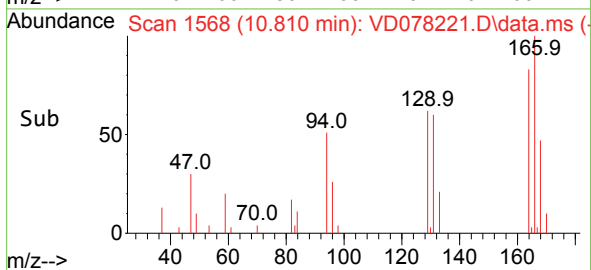
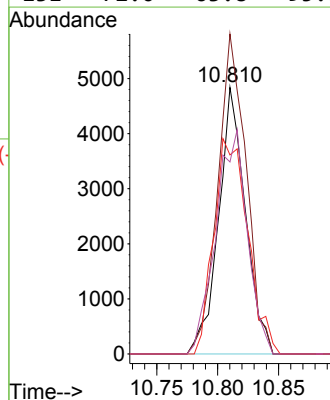
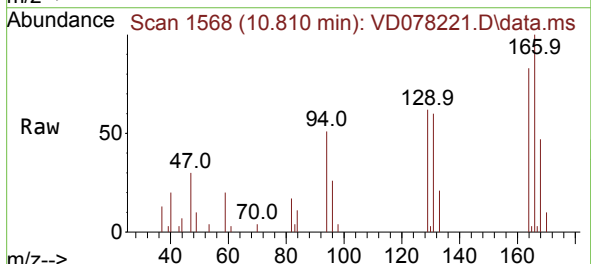
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

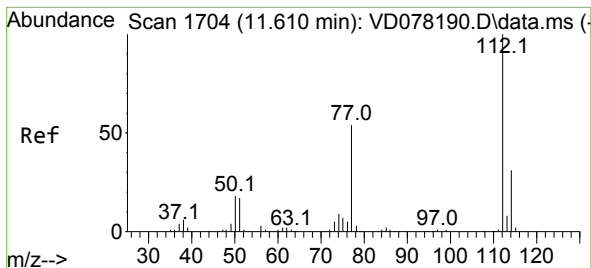
Tgt Ion:117 Resp: 215428
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 29.8 25.0 37.4



#64
Tetrachloroethene
Concen: 5.278 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion:164 Resp: 7435
Ion Ratio Lower Upper
164 100
166 120.0 99.2 148.8
129 74.6 68.4 102.6
131 72.0 63.8 95.8





#65

Chlorobenzene

Concen: 5.247 ug/l

RT: 11.610 min Scan# 1704

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

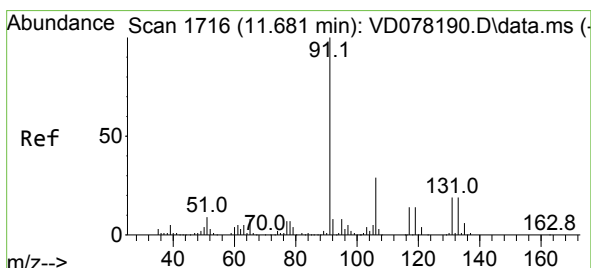
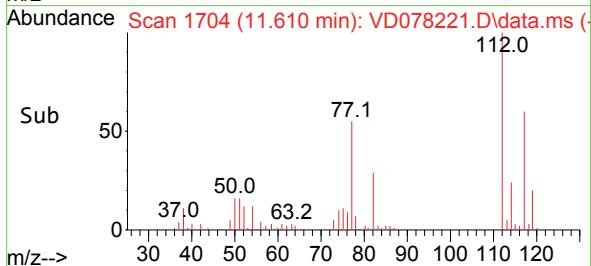
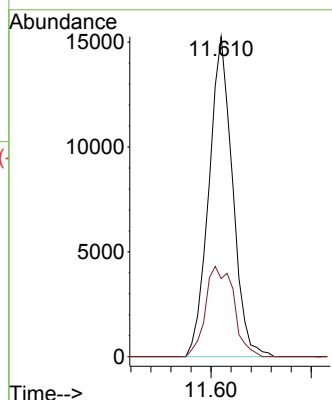
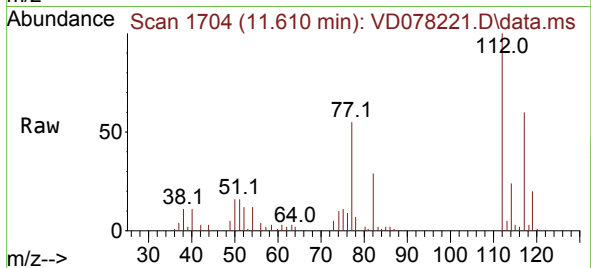
LOQ-SOIL-02-QT1-2024

Tgt Ion:112 Resp: 24972

Ion Ratio Lower Upper

112 100

114 24.4 25.1 37.7#



#66

1,1,1,2-Tetrachloroethane

Concen: 5.140 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

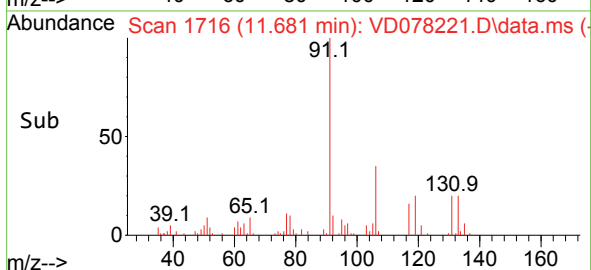
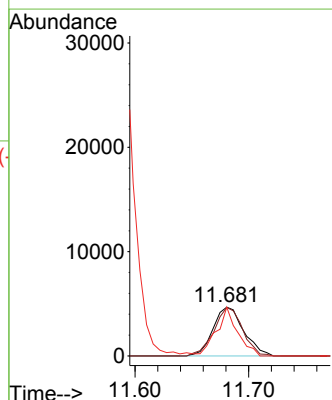
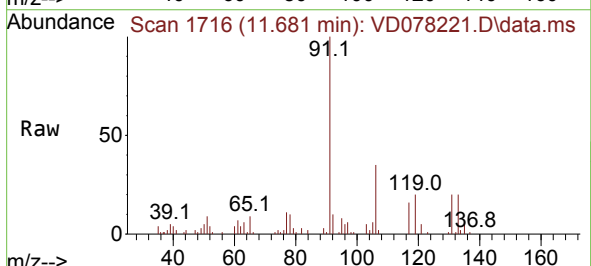
Tgt Ion:131 Resp: 8741

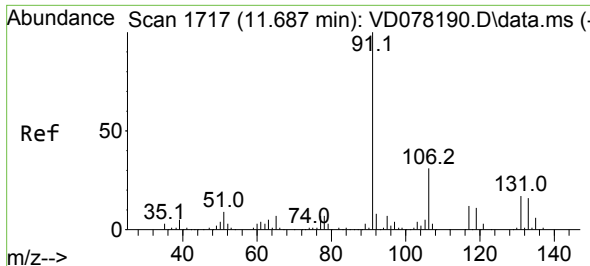
Ion Ratio Lower Upper

131 100

133 92.8 48.5 145.5

119 69.0 35.6 106.9

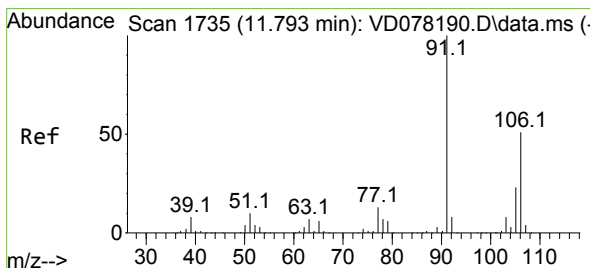
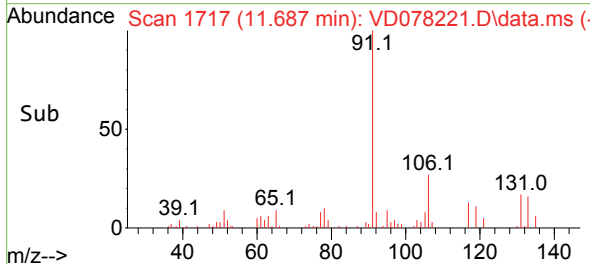
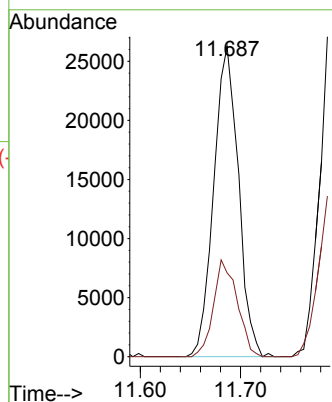
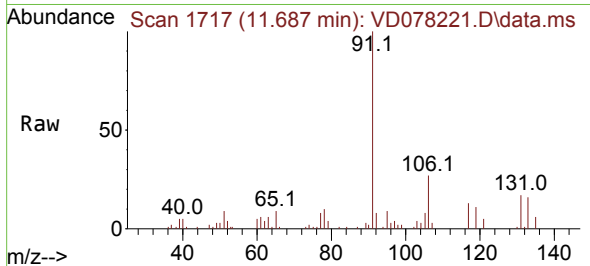




#67
Ethyl Benzene
Concen: 5.185 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

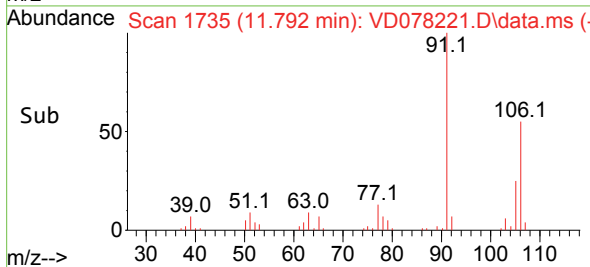
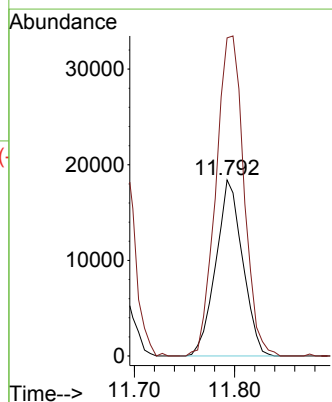
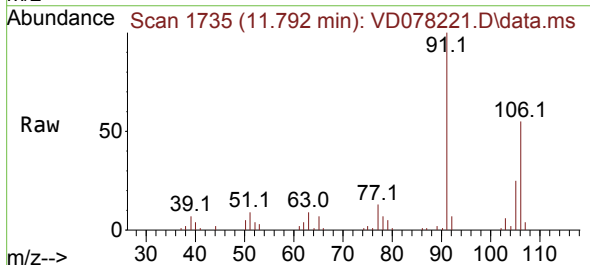
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

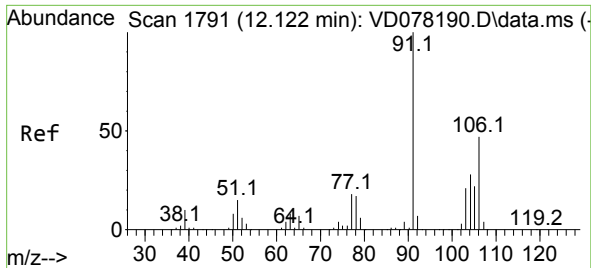
Tgt Ion: 91 Resp: 44902
Ion Ratio Lower Upper
91 100
106 27.0 26.5 39.7



#68
m/p-Xylenes
Concen: 10.330 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion:106 Resp: 34166
Ion Ratio Lower Upper
106 100
91 189.8 147.0 220.6

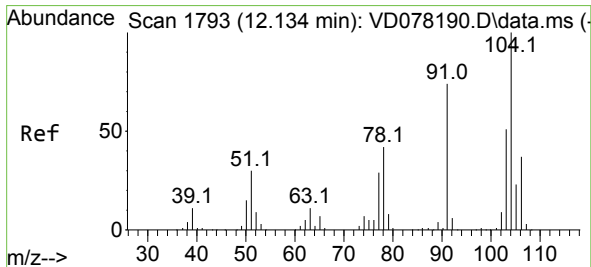
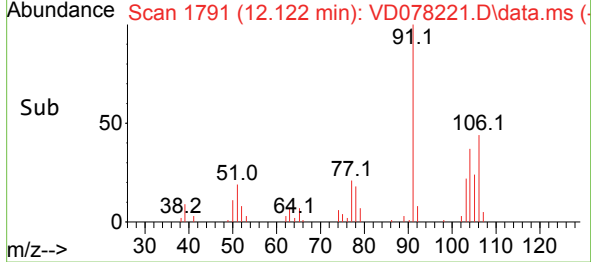
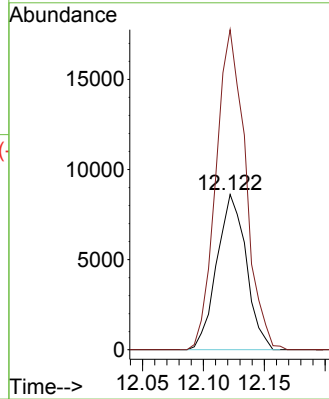
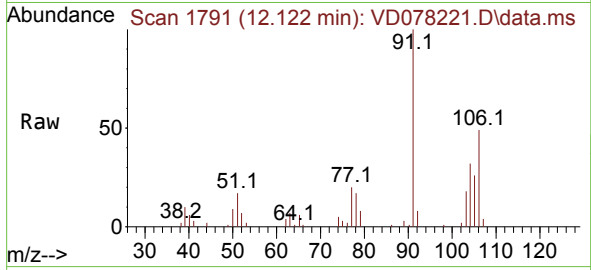




#69
o-Xylene
Concen: 4.811 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

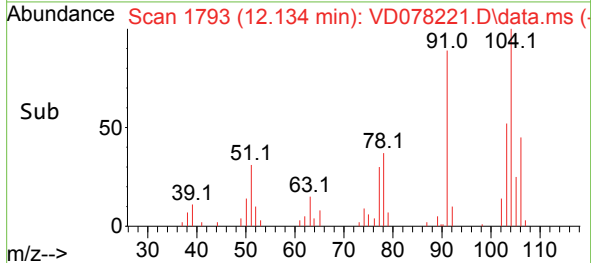
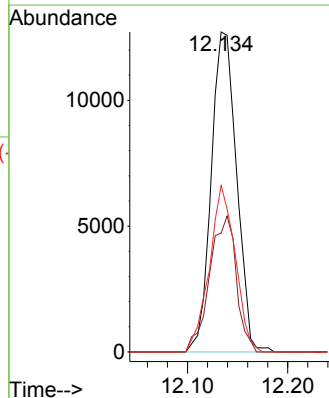
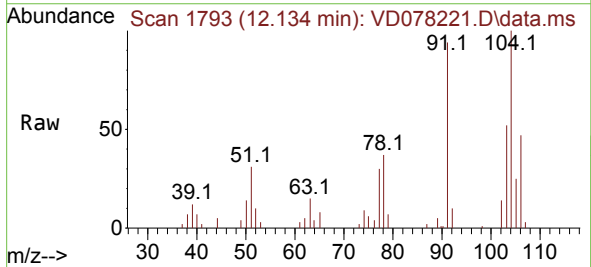
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

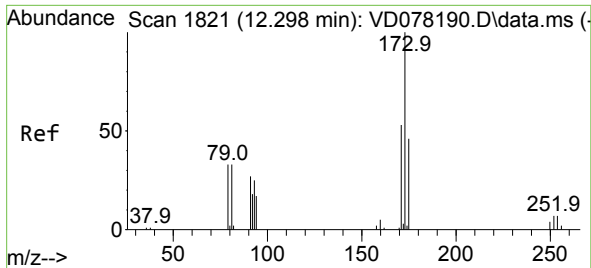
Tgt Ion:106 Resp: 14440
Ion Ratio Lower Upper
106 100
91 207.7 97.9 293.6



#70
Styrene
Concen: 4.980 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion:104 Resp: 22401
Ion Ratio Lower Upper
104 100
78 44.4 33.2 49.8
103 53.0 43.6 65.4

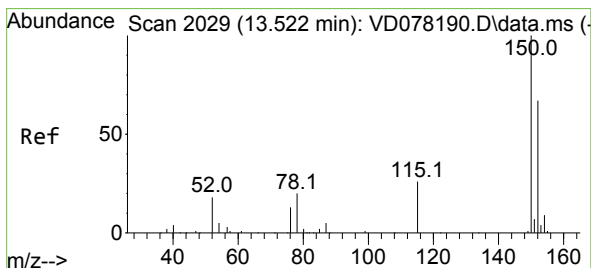
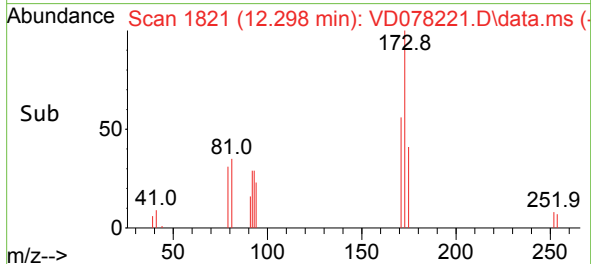
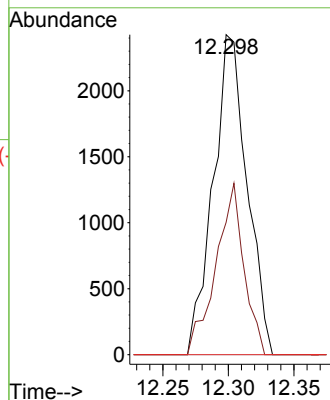
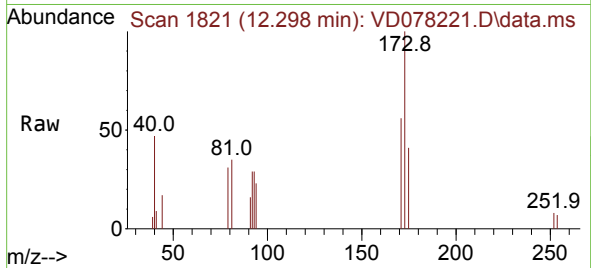




#71
Bromoform
Concen: 5.170 ug/l
RT: 12.298 min Scan# 1821
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

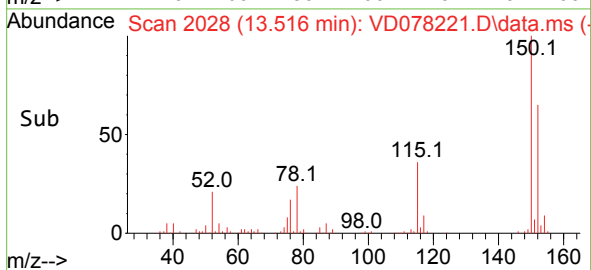
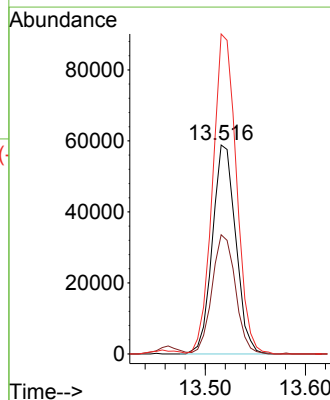
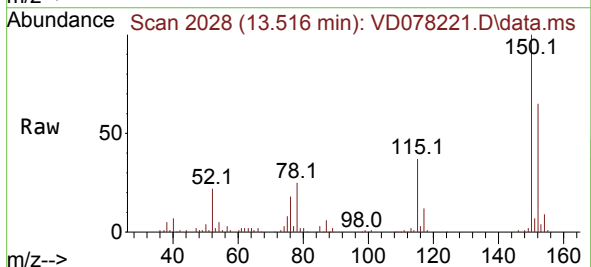
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

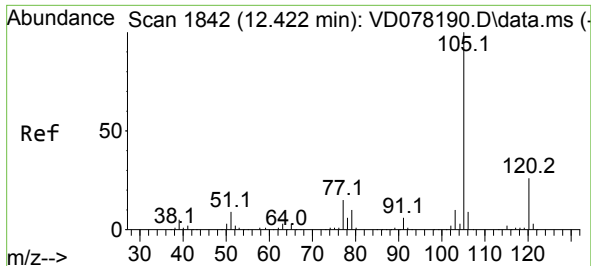
Tgt Ion:	173	Resp:	4354
Ion Ratio	Lower	Upper	
173	100		
175	44.2	24.6	73.8
254	0.0	0.0	0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion:	152	Resp:	95074
Ion Ratio	Lower	Upper	
152	100		
115	57.1	27.1	81.3
150	156.6	0.0	353.6

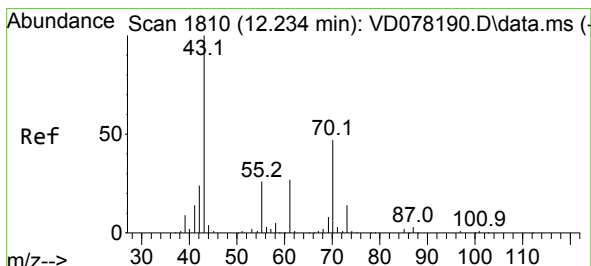
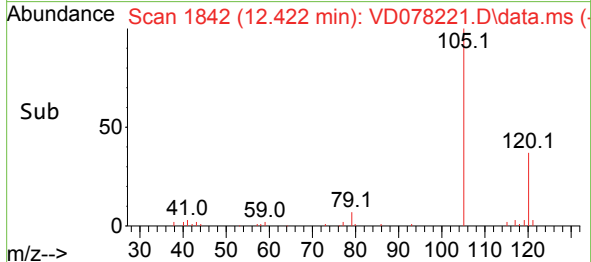
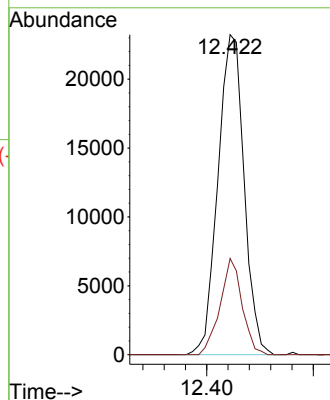
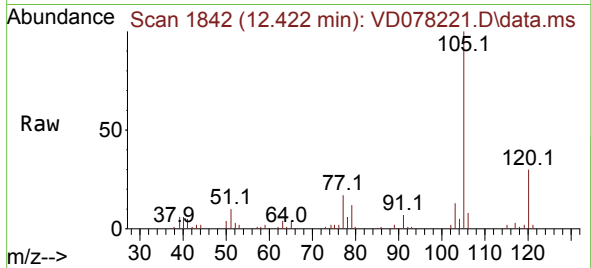




#73
Isopropylbenzene
Concen: 5.283 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

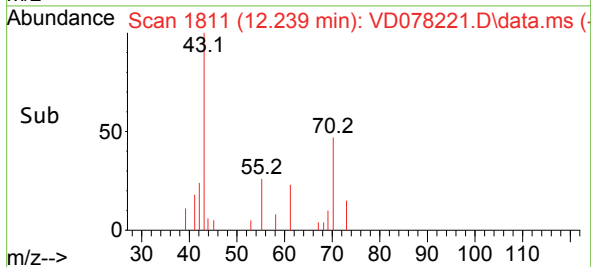
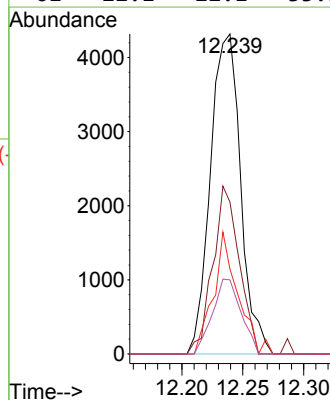
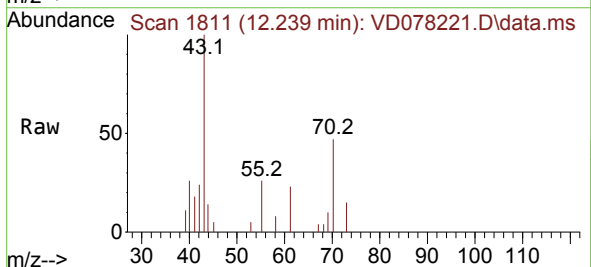
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

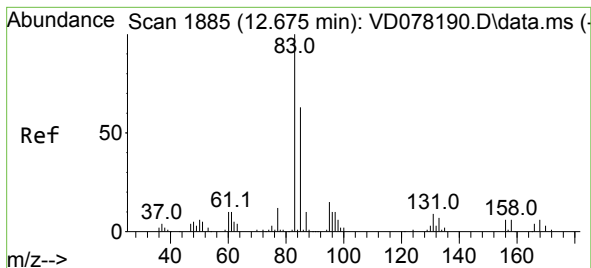
Tgt Ion:105 Resp: 39492
Ion Ratio Lower Upper
105 100
120 25.3 14.3 42.9



#74
N-ethyl acetate
Concen: 5.214 ug/l
RT: 12.239 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 43 Resp: 7457
Ion Ratio Lower Upper
43 100
70 45.8 45.0 67.4
55 31.0 23.8 35.6
61 22.1 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 6.261 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

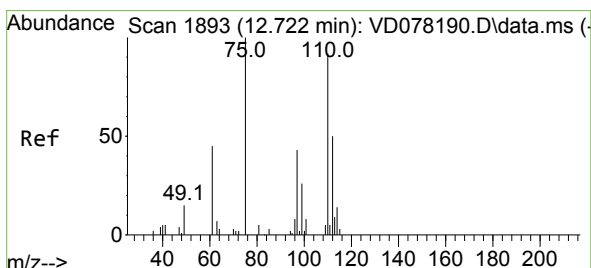
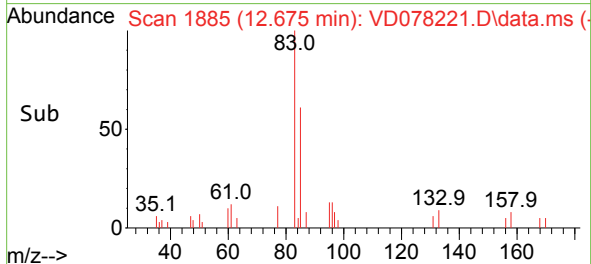
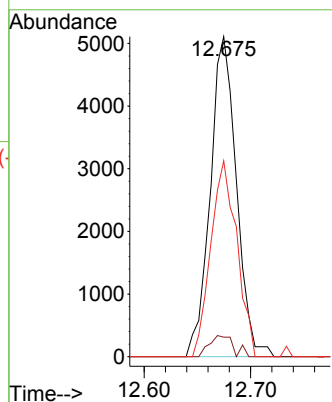
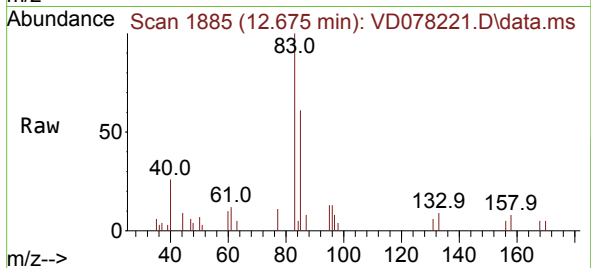
Tgt Ion: 83 Resp: 8709

Ion Ratio Lower Upper

83 100

131 6.2 5.1 15.3

85 60.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 10.867 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. -0.000 min

Lab File: VD078221.D

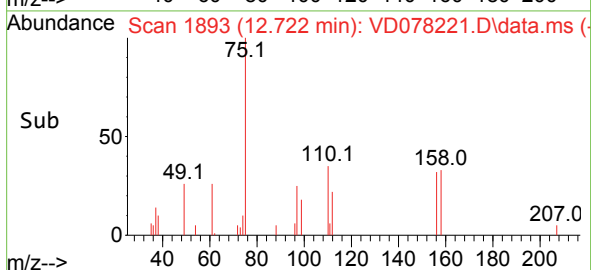
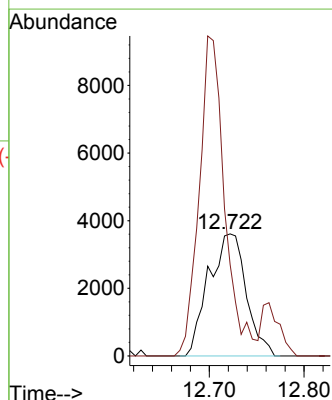
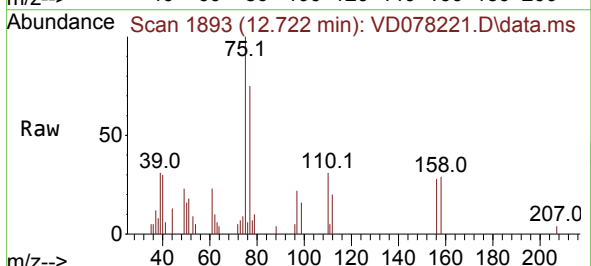
Acq: 24 Jan 2024 14:26

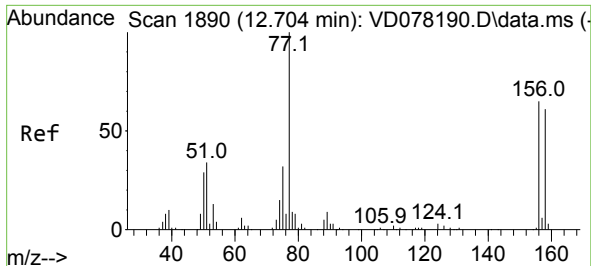
Tgt Ion: 75 Resp: 9909

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

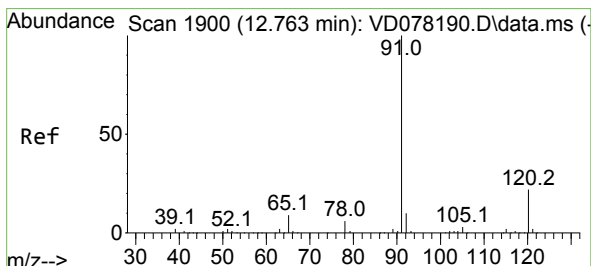
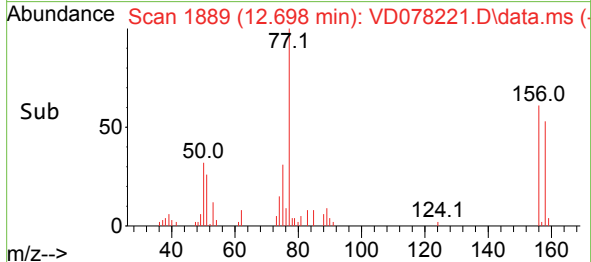
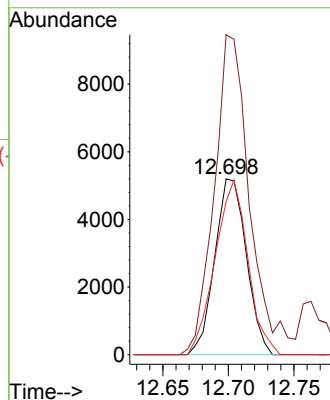
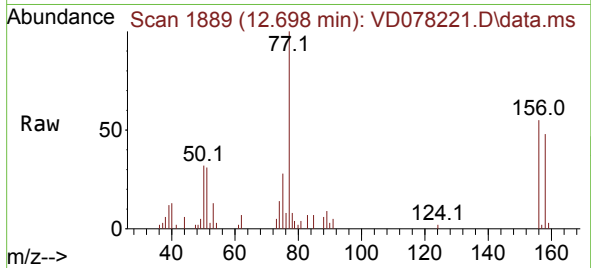




#77
Bromobenzene
Concen: 5.317 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

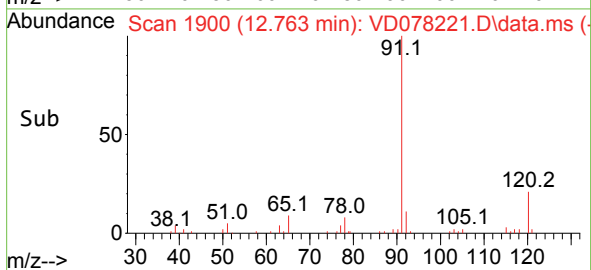
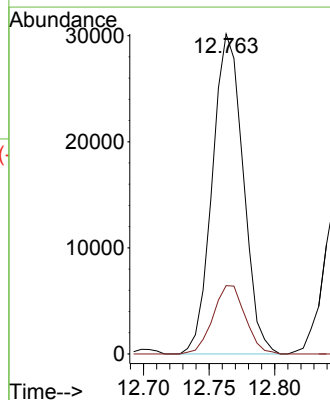
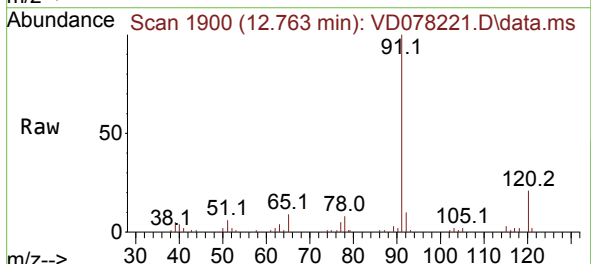
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

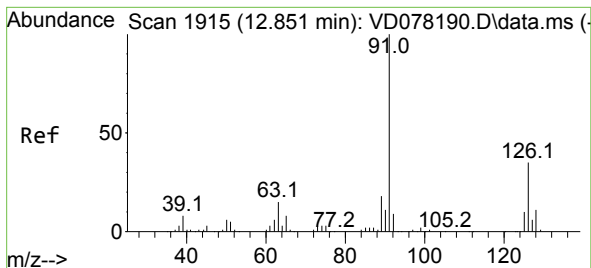
Tgt Ion:156 Resp: 8714
Ion Ratio Lower Upper
156 100
77 204.0 76.8 230.4
158 102.9 48.6 145.9



#78
n-propylbenzene
Concen: 5.319 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 91 Resp: 49317
Ion Ratio Lower Upper
91 100
120 22.3 12.4 37.2





#79

2-Chlorotoluene

Concen: 5.436 ug/l

RT: 12.851 min Scan# 1915

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

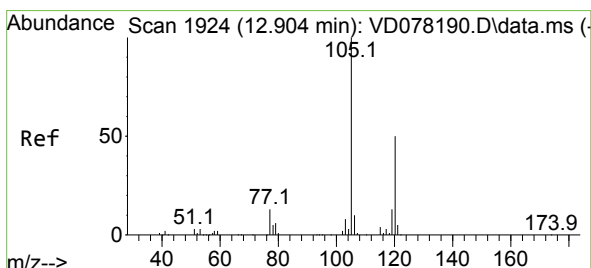
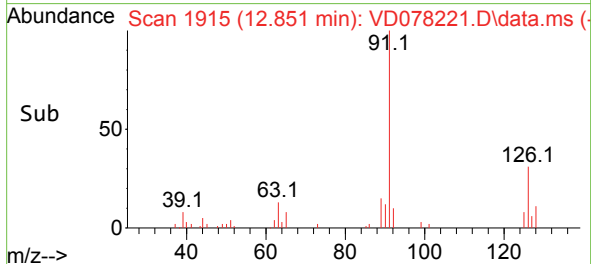
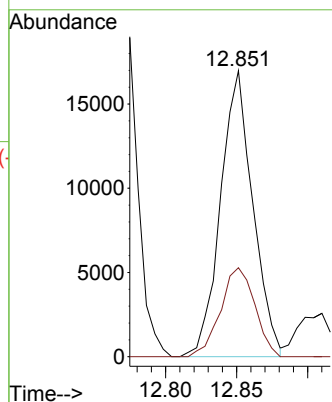
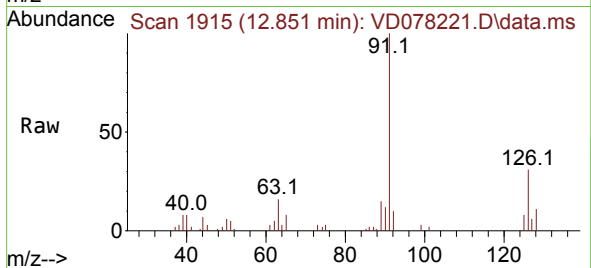
LOQ-SOIL-02-QT1-2024

Tgt Ion: 91 Resp: 26898

Ion Ratio Lower Upper

91 100

126 32.9 19.4 58.1



#80

1,3,5-Trimethylbenzene

Concen: 5.050 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. -0.000 min

Lab File: VD078221.D

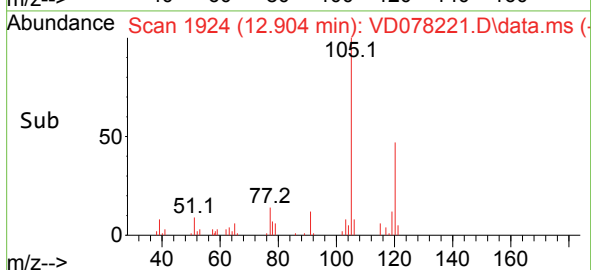
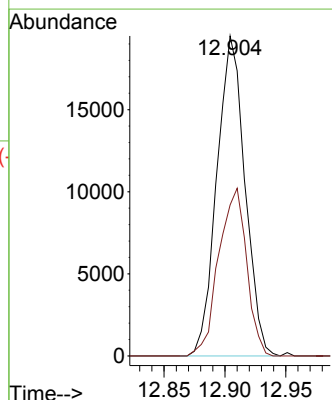
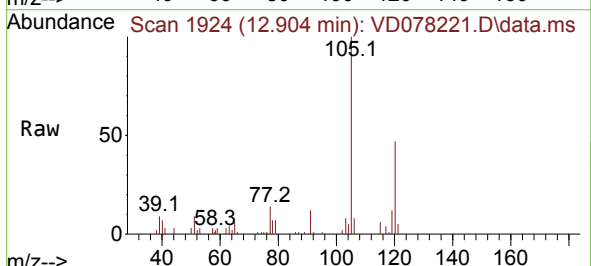
Acq: 24 Jan 2024 14:26

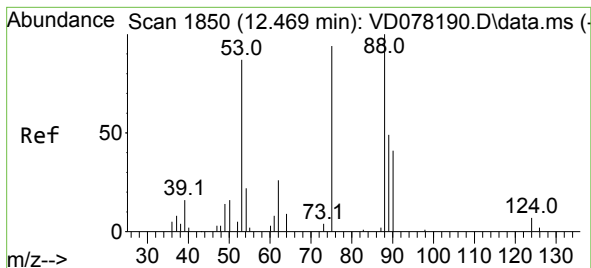
Tgt Ion: 105 Resp: 31305

Ion Ratio Lower Upper

105 100

120 52.1 26.4 79.2

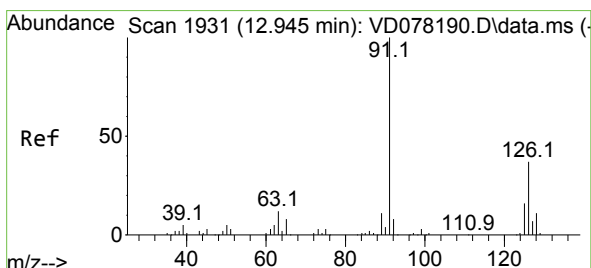
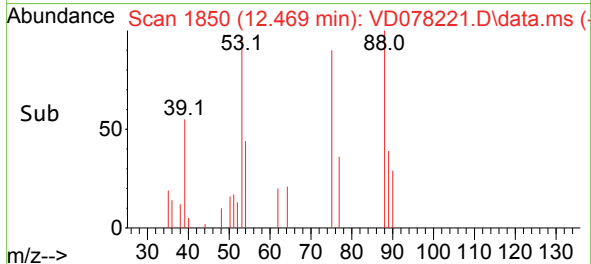
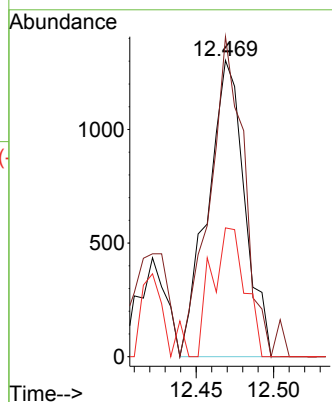
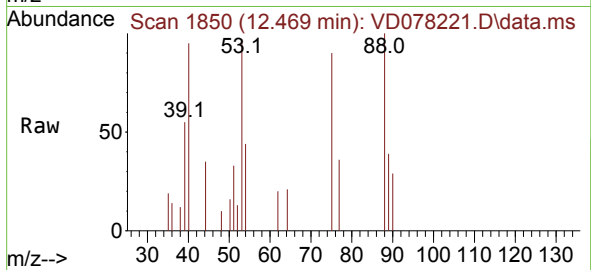




#81
trans-1,4-Dichloro-2-butene
Concen: 5.107 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

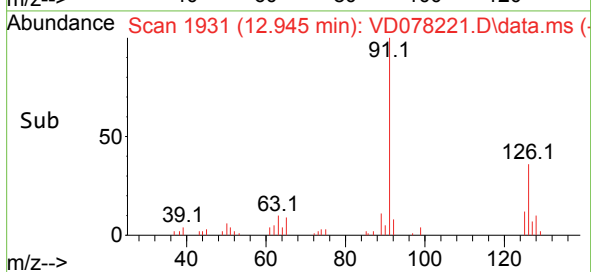
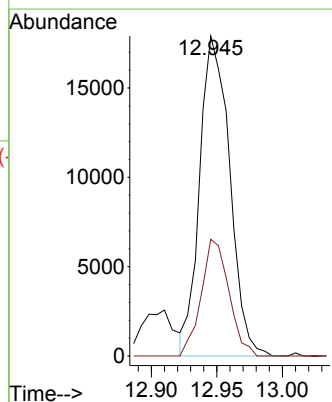
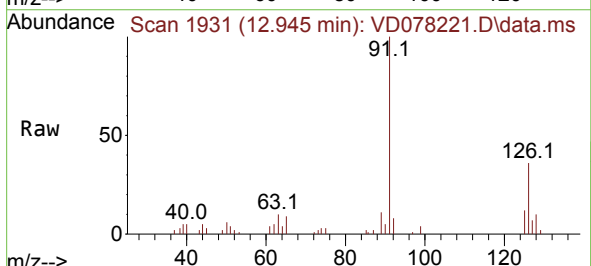
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

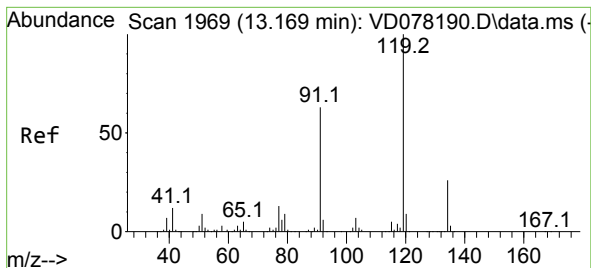
Tgt Ion: 75 Resp: 2162
Ion Ratio Lower Upper
75 100
53 102.7 63.0 94.4#
89 39.2 37.9 56.9



#82
4-Chlorotoluene
Concen: 5.461 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 91 Resp: 28481
Ion Ratio Lower Upper
91 100
126 33.7 19.4 58.4





#83

tert-Butylbenzene

Concen: 5.032 ug/l

RT: 13.169 min Scan# 1969

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

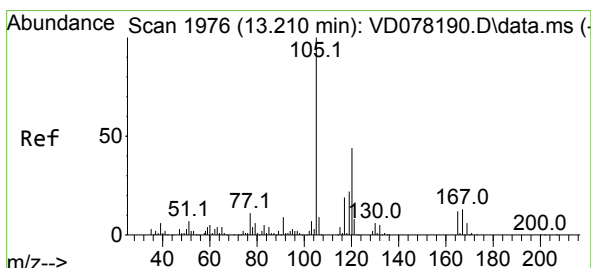
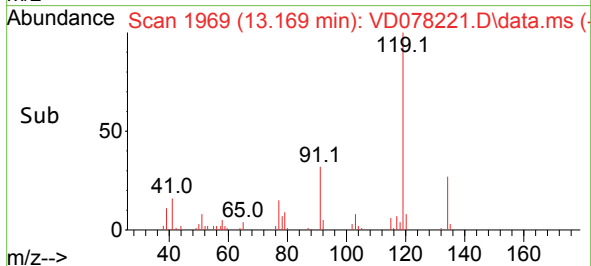
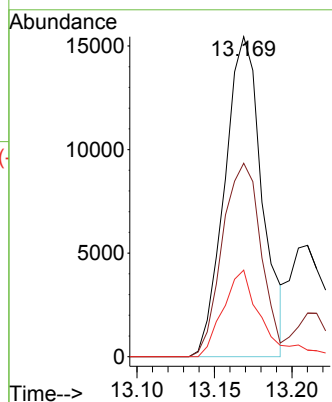
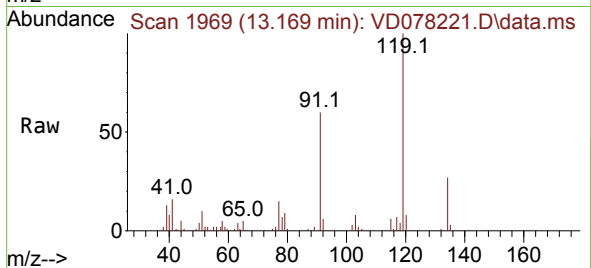
Tgt Ion:119 Resp: 26074

Ion Ratio Lower Upper

119 100

91 63.5 29.3 87.8

134 27.6 14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 4.976 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD078221.D

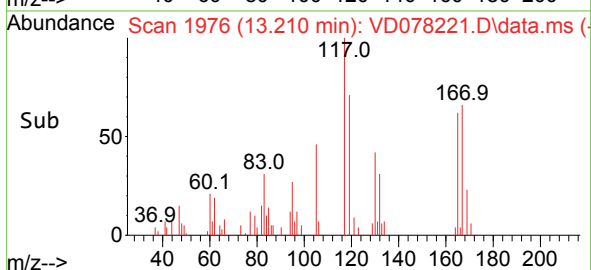
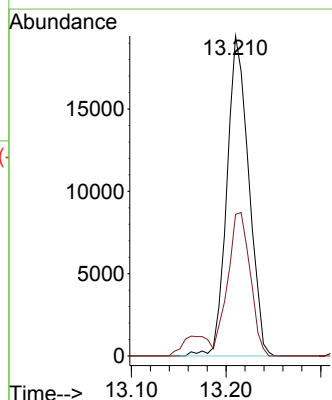
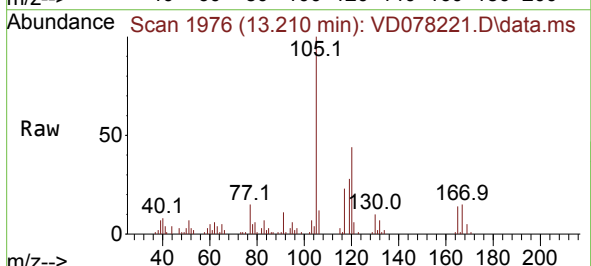
Acq: 24 Jan 2024 14:26

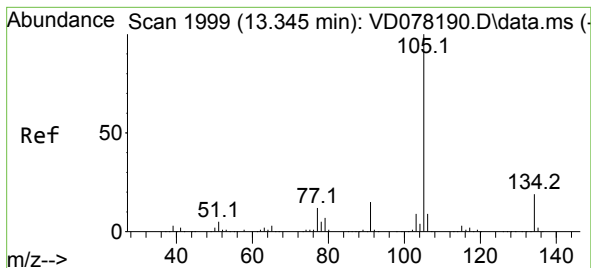
Tgt Ion:105 Resp: 31191

Ion Ratio Lower Upper

105 100

120 45.9 24.3 72.9





#85

sec-Butylbenzene

Concen: 5.205 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

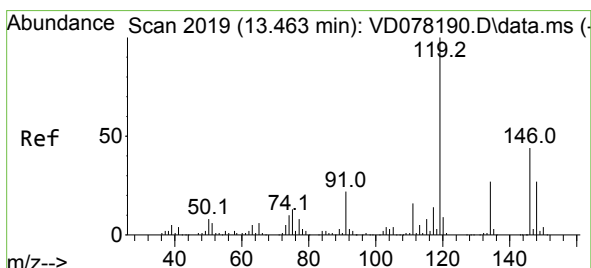
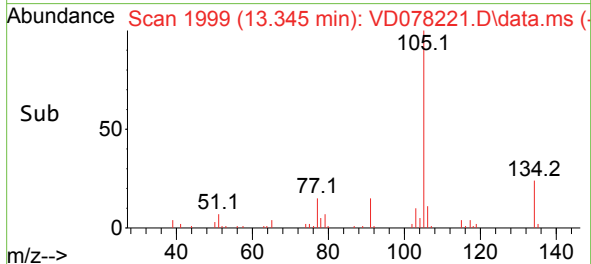
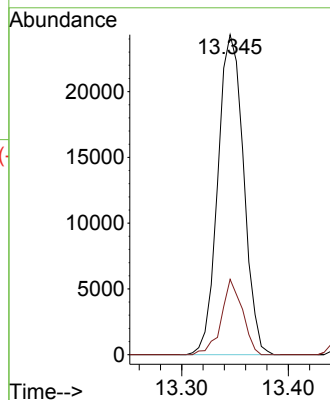
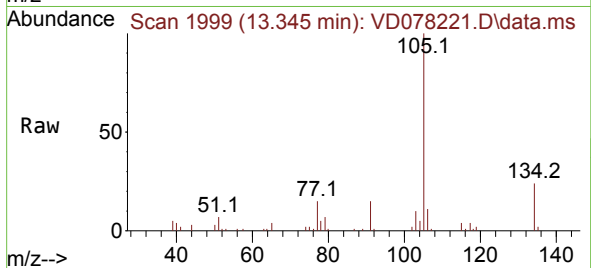
LOQ-SOIL-02-QT1-2024

Tgt Ion:105 Resp: 40837

Ion Ratio Lower Upper

105 100

134 19.2 10.9 32.9



#86

p-Isopropyltoluene

Concen: 4.828 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

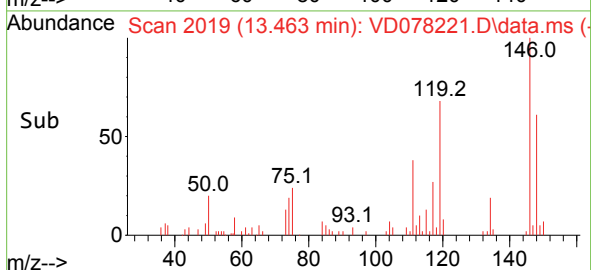
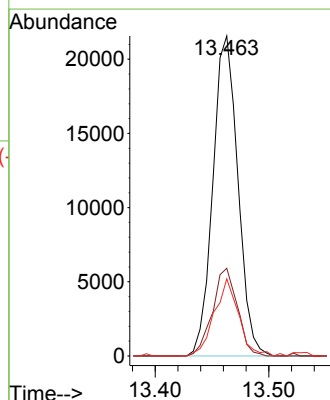
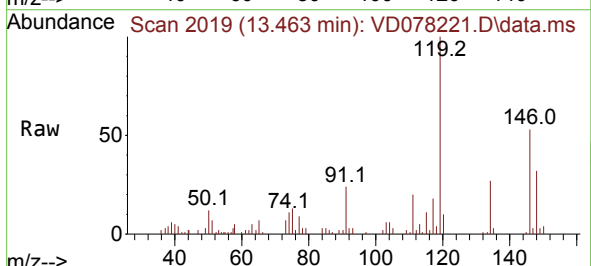
Tgt Ion:119 Resp: 32963

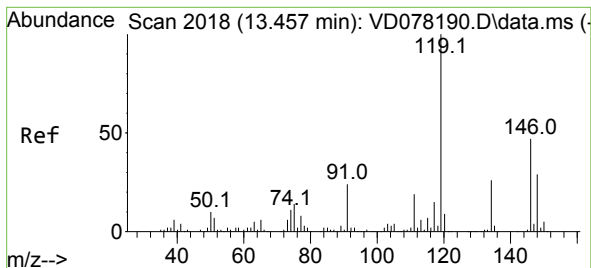
Ion Ratio Lower Upper

119 100

134 27.2 14.2 42.6

91 23.6 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 5.726 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

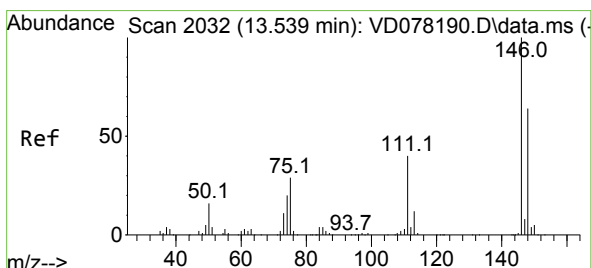
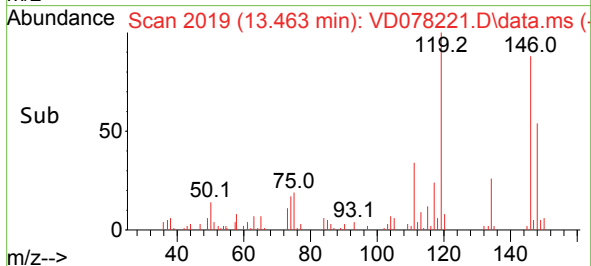
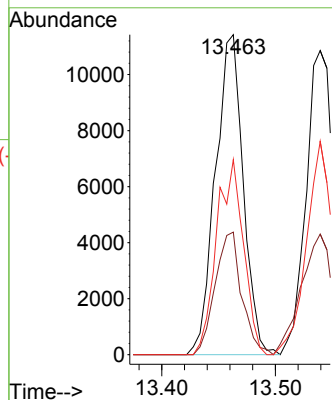
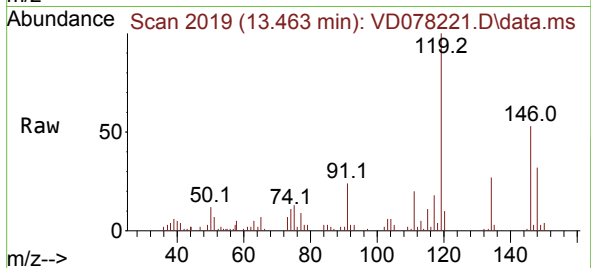
Tgt Ion:146 Resp: 19429

Ion Ratio Lower Upper

146 100

111 36.7 17.9 53.8

148 58.8 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 5.564 ug/l

RT: 13.539 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

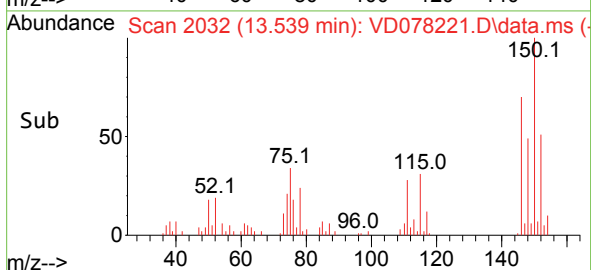
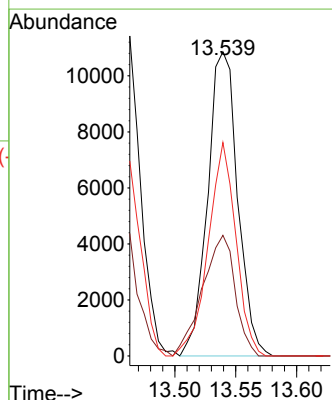
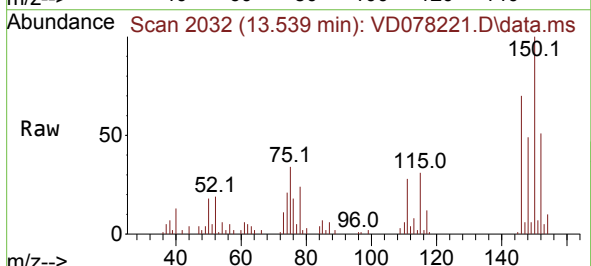
Tgt Ion:146 Resp: 18653

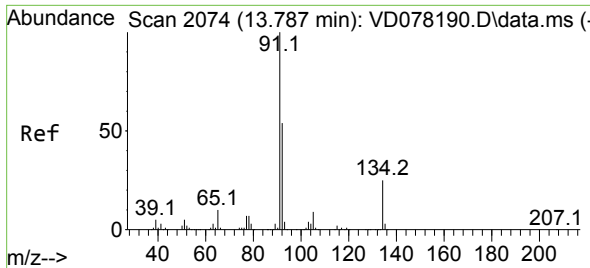
Ion Ratio Lower Upper

146 100

111 43.1 17.4 52.3

148 64.9 31.7 95.1

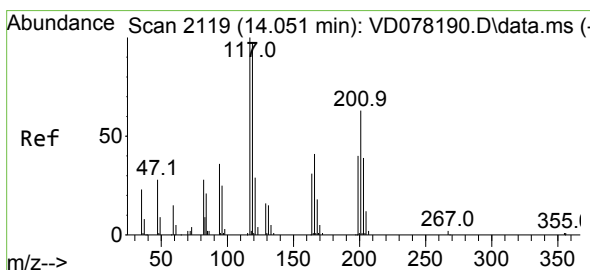
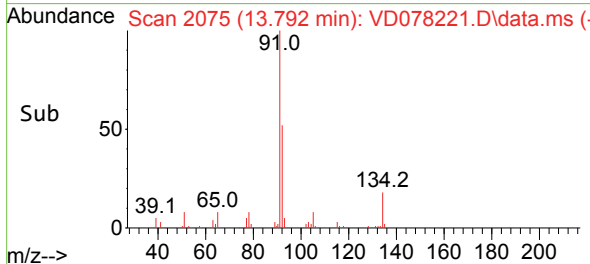
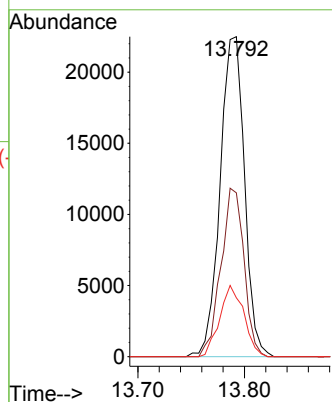
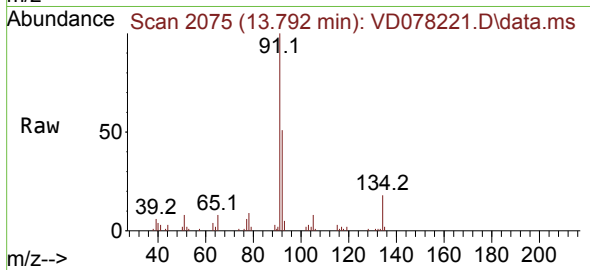




#89
n-Butylbenzene
Concen: 5.370 ug/l
RT: 13.792 min Scan# 2075
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

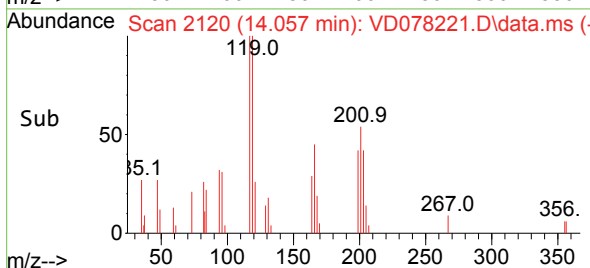
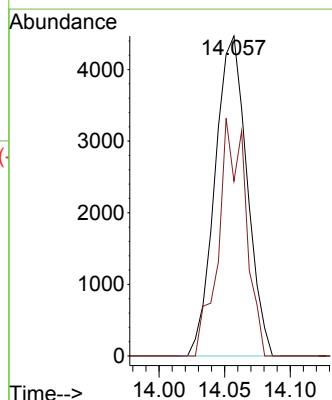
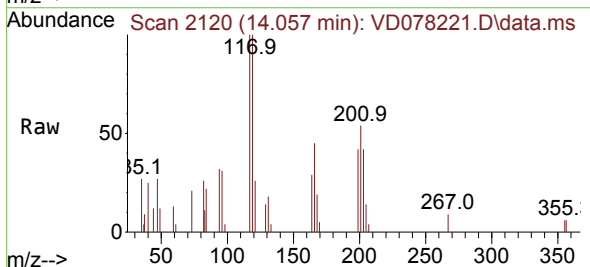
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

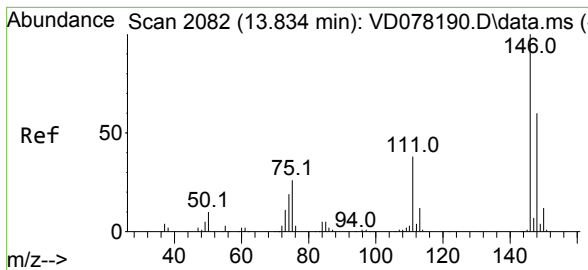
Tgt Ion: 91 Resp: 35695
Ion Ratio Lower Upper
91 100
92 49.9 26.5 79.5
134 22.1 13.8 41.3



#90
Hexachloroethane
Concen: 5.666 ug/l
RT: 14.057 min Scan# 2120
Delta R.T. 0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion: 117 Resp: 7588
Ion Ratio Lower Upper
117 100
201 63.0 38.5 115.5

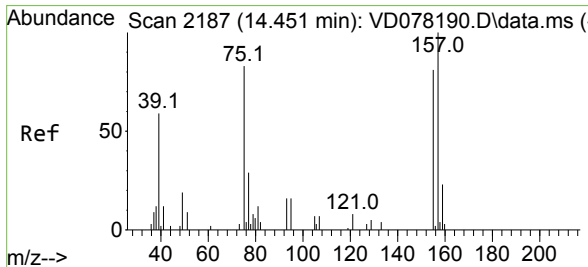
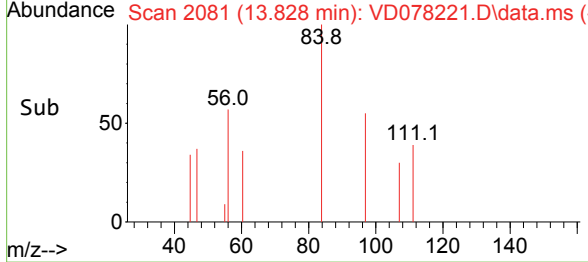
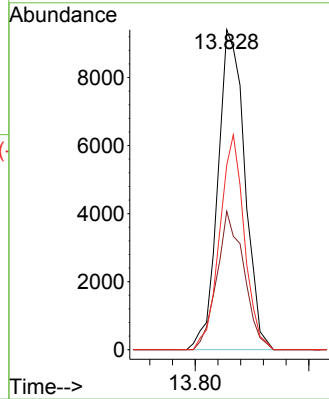
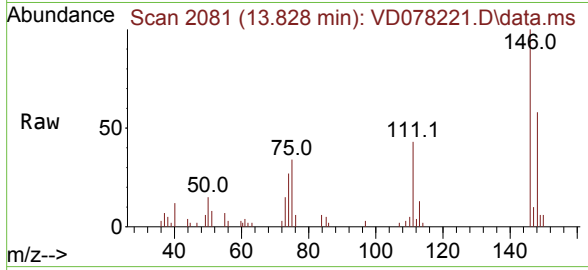




#91
1,2-Dichlorobenzene
Concen: 5.417 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.006 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

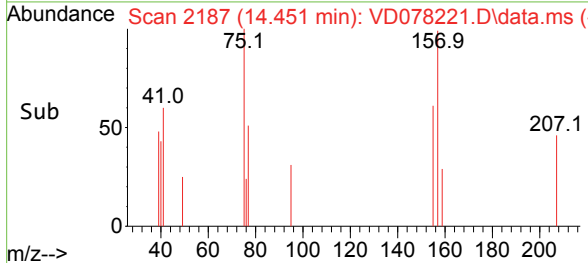
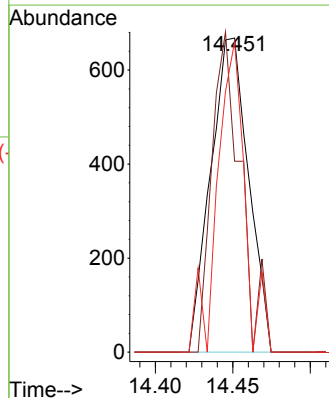
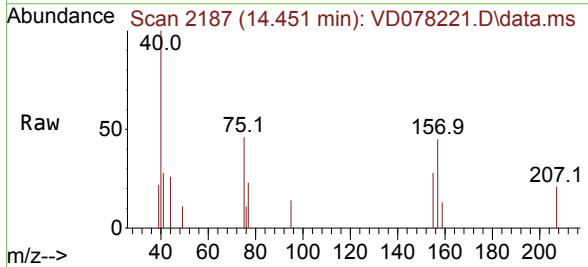
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

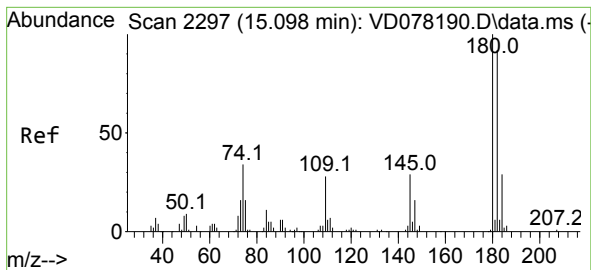
Tgt Ion:	146	Resp:	15456
Ion	Ratio	Lower	Upper
146	100		
111	43.3	18.3	54.8
148	61.7	31.6	94.7



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.710 ug/l
RT: 14.451 min Scan# 2187
Delta R.T. -0.000 min
Lab File: VD078221.D
Acq: 24 Jan 2024 14:26

Tgt Ion:	75	Resp:	1135
Ion	Ratio	Lower	Upper
75	100		
155	77.7	47.9	143.8
157	72.0	59.9	179.7





#93

1,2,4-Trichlorobenzene

Concen: 5.161 ug/l

RT: 15.098 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD078221.D

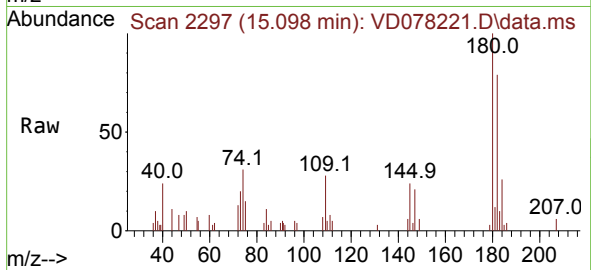
Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024



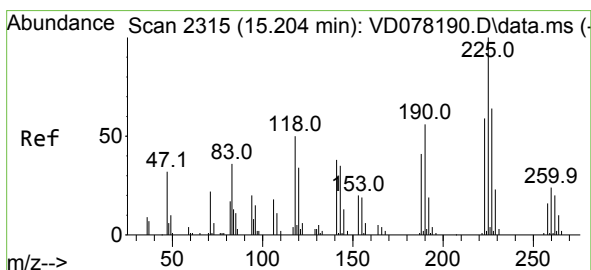
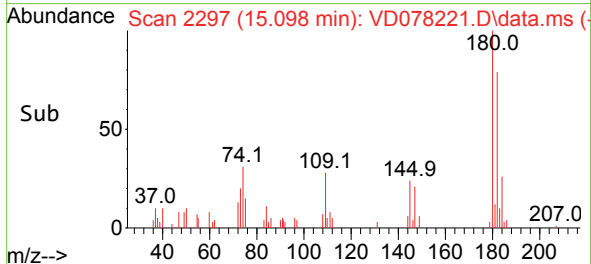
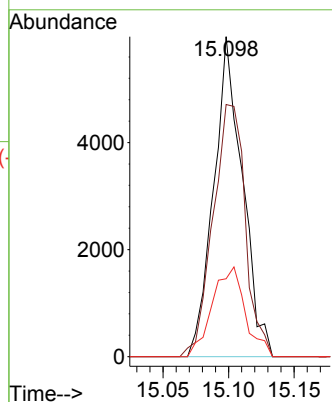
Tgt Ion:180 Resp: 9103

Ion Ratio Lower Upper

180 100

182 88.3 48.5 145.6

145 32.2 14.2 42.6



#94

Hexachlorobutadiene

Concen: 5.671 ug/l

RT: 15.210 min Scan# 2316

Delta R.T. 0.006 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

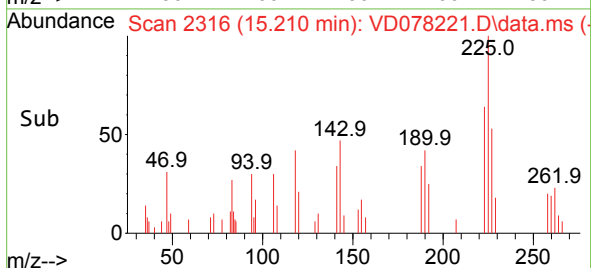
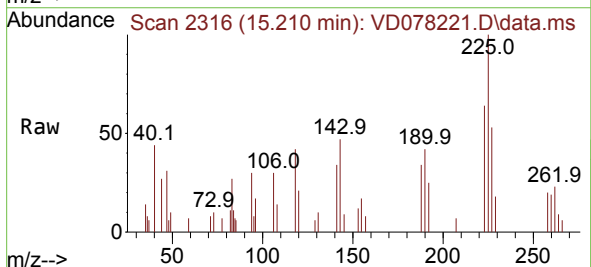
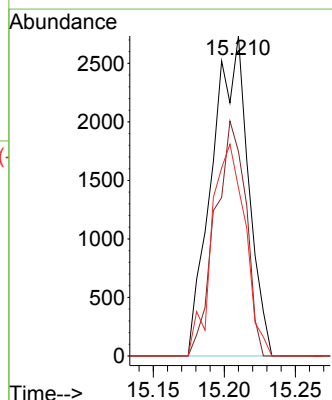
Tgt Ion:225 Resp: 4834

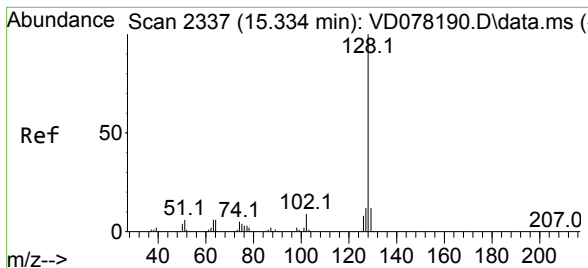
Ion Ratio Lower Upper

225 100

223 62.4 31.6 94.8

227 60.9 31.7 95.1





#95

Naphthalene

Concen: 5.017 ug/l

RT: 15.333 min Scan# 21

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

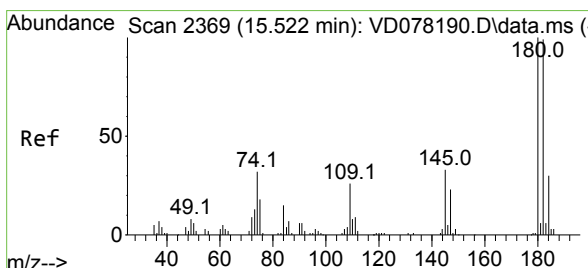
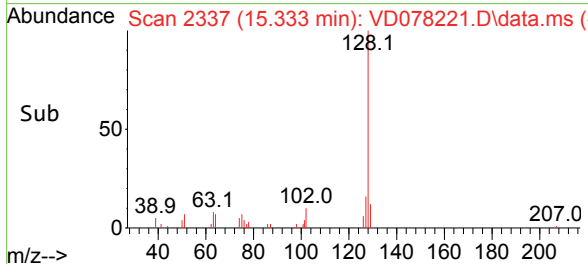
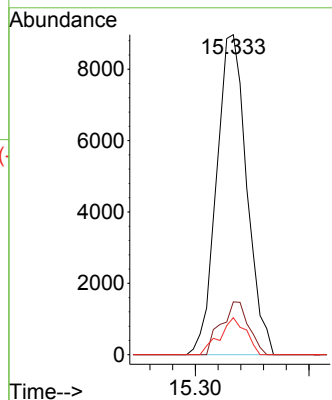
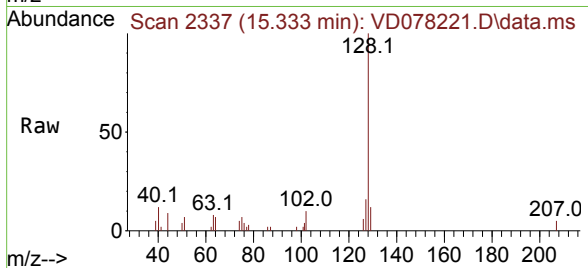
Tgt Ion:128 Resp: 16545

Ion Ratio Lower Upper

128 100

127 16.5 10.5 15.7#

129 11.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 5.067 ug/l

RT: 15.522 min Scan# 2369

Delta R.T. -0.000 min

Lab File: VD078221.D

Acq: 24 Jan 2024 14:26

Tgt Ion:180 Resp: 7498

Ion Ratio Lower Upper

180 100

182 98.6 47.3 141.9

145 32.8 15.1 45.3

