

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051524\
 Data File : VD078927.D
 Acq On : 15 May 2024 12:35
 Operator : RP/MD
 Sample : P2403-02
 Misc : 5.00G/5ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

Quant Time: May 16 02:42:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051324S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 16 02:40:07 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.881	168	110159	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	199578	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	186429	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	90464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	57734	55.874	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.740%
35) Dibromofluoromethane	7.810	113	64715	48.712	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.420%
50) Toluene-d8	10.269	98	240063	48.201	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.400%
62) 4-Bromofluorobenzene	12.575	95	64629	46.192	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.380%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.934	85	5931	5.762	ug/l	98
3) Chloromethane	2.152	50	9233	5.885	ug/l	94
4) Vinyl Chloride	2.287	62	14941	6.297	ug/l	93
5) Bromomethane	2.693	94	13370	5.830	ug/l	91
6) Chloroethane	2.840	64	10940	5.552	ug/l	90
7) Trichlorofluoromethane	3.181	101	10621	4.923	ug/l	98
8) Diethyl Ether	3.593	74	3012	5.563	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.975	101	6514	5.718	ug/l #	74
10) Methyl Iodide	4.169	142	6599	4.848	ug/l	97
11) Tert butyl alcohol	5.058	59	1184	24.046	ug/l #	86
12) 1,1-Dichloroethene	3.946	96	5997	5.378	ug/l #	83
13) Acrolein	3.799	56	2462	23.935	ug/l #	69
14) Allyl chloride	4.564	41	5933	5.452	ug/l	97
15) Acrylonitrile	5.252	53	5910	29.590	ug/l	92
16) Acetone	4.040	43	2364	14.349	ug/l #	87
17) Carbon Disulfide	4.281	76	19299	5.379	ug/l #	95
18) Methyl Acetate	4.575	43	2774	7.313	ug/l	88
19) Methyl tert-butyl Ether	5.311	73	10629	4.892	ug/l	100
20) Methylene Chloride	4.811	84	14825	8.710	ug/l #	89
21) trans-1,2-Dichloroethene	5.316	96	7234	5.820	ug/l	90
22) Diisopropyl ether	6.222	45	12193	4.954	ug/l	90
23) Vinyl Acetate	6.158	43	28876	19.561	ug/l	94
24) 1,1-Dichloroethane	6.111	63	11507	5.898	ug/l	91
25) 2-Butanone	7.081	43	3086	14.005	ug/l	97
26) 2,2-Dichloropropane	7.075	77	9908	5.779	ug/l	95
27) cis-1,2-Dichloroethene	7.087	96	7387	5.061	ug/l	92
28) Bromochloromethane	7.428	49	4529	6.961	ug/l	89
29) Tetrahydrofuran	7.452	42	3333	26.151	ug/l #	81
30) Chloroform	7.599	83	13301	6.019	ug/l	100
31) Cyclohexane	7.875	56	8312	5.506	ug/l #	83
32) 1,1,1-Trichloroethane	7.793	97	10339	5.463	ug/l	93
36) 1,1-Dichloropropene	8.016	75	8491	5.136	ug/l	93
37) Ethyl Acetate	7.181	43	2612	4.636	ug/l #	64
38) Carbon Tetrachloride	7.993	117	9803	5.067	ug/l #	81
39) Methylcyclohexane	9.275	83	8421	4.192	ug/l	92
40) Benzene	8.252	78	27950	5.227	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.446	41	3176	10.476	ug/l #	18
42) 1,2-Dichloroethane	8.328	62	6890	5.323	ug/l	98
43) Isopropyl Acetate	8.363	43	5302	5.304	ug/l #	57
44) Trichloroethene	9.034	130	7066	4.982	ug/l	96
45) 1,2-Dichloropropane	9.304	63	6244	5.314	ug/l	99
46) Dibromomethane	9.393	93	4409	5.700	ug/l	86
47) Bromodichloromethane	9.587	83	8661	4.651	ug/l	91
48) Methyl methacrylate	9.381	41	2128	4.373	ug/l #	89
49) 1,4-Dioxane	9.381	88	579	85.093	ug/l #	79
51) 4-Methyl-2-Pentanone	10.157	43	13143	24.683	ug/l	93
52) Toluene	10.334	92	17841	5.212	ug/l	96
53) t-1,3-Dichloropropene	10.551	75	7657	4.839	ug/l	90
54) cis-1,3-Dichloropropene	10.022	75	9504	5.004	ug/l #	92
55) 1,1,2-Trichloroethane	10.734	97	5263	5.266	ug/l #	93
56) Ethyl methacrylate	10.599	69	4206	4.091	ug/l	91
57) 1,3-Dichloropropane	10.881	76	7713	4.956	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.869	63	11231	25.422	ug/l	100
59) 2-Hexanone	10.922	43	7878	21.256	ug/l	98
60) Dibromochloromethane	11.075	129	7078	5.195	ug/l	91
61) 1,2-Dibromoethane	11.175	107	4754	5.217	ug/l	93
64) Tetrachloroethene	10.810	164	5975	5.052	ug/l #	95
65) Chlorobenzene	11.610	112	19599	5.054	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	6994	5.217	ug/l	99
67) Ethyl Benzene	11.681	91	28817	4.620	ug/l	94
68) m/p-Xylenes	11.793	106	22104	8.717	ug/l	100
69) o-Xylene	12.122	106	9700	4.196	ug/l	97
70) Styrene	12.140	104	18089	4.415	ug/l	98
71) Bromoform	12.293	173	3984	5.188	ug/l #	91
73) Isopropylbenzene	12.422	105	23647	4.380	ug/l	98
74) N-amyl acetate	12.234	43	4407	5.030	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.675	83	5945	6.104	ug/l	95
76) 1,2,3-Trichloropropane	12.722	75	6792	10.665	ug/l #	100
77) Bromobenzene	12.704	156	7248	5.105	ug/l	95
78) n-propylbenzene	12.763	91	31414	4.814	ug/l	99
79) 2-Chlorotoluene	12.851	91	17577	4.846	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	19590	4.367	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.469	75	1546	4.814	ug/l	91
82) 4-Chlorotoluene	12.945	91	18040	4.741	ug/l	99
83) tert-Butylbenzene	13.169	119	17711	4.464	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	19359	4.166	ug/l	97
85) sec-Butylbenzene	13.345	105	24759	4.184	ug/l	98
86) p-Isopropyltoluene	13.457	119	20889	4.051	ug/l	98
87) 1,3-Dichlorobenzene	13.457	146	14593	4.857	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	15007	5.100	ug/l	90
89) n-Butylbenzene	13.787	91	19828	4.292	ug/l	96
90) Hexachloroethane	14.051	117	5479	5.038	ug/l	99
91) 1,2-Dichlorobenzene	13.828	146	13034	5.185	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.457	75	839	6.471	ug/l	78
93) 1,2,4-Trichlorobenzene	15.098	180	6796	4.604	ug/l	96
94) Hexachlorobutadiene	15.210	225	3453	4.476	ug/l	89
95) Naphthalene	15.334	128	11835	4.707	ug/l #	92
96) 1,2,3-Trichlorobenzene	15.528	180	5828	4.439	ug/l	98

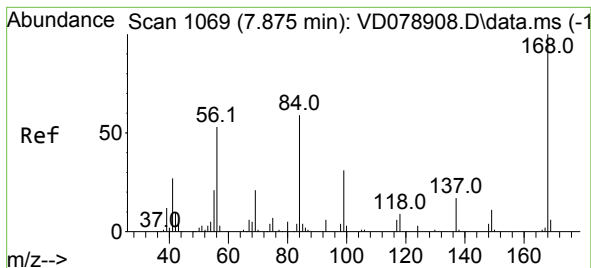
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.881 min Scan# 110

Delta R.T. 0.006 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

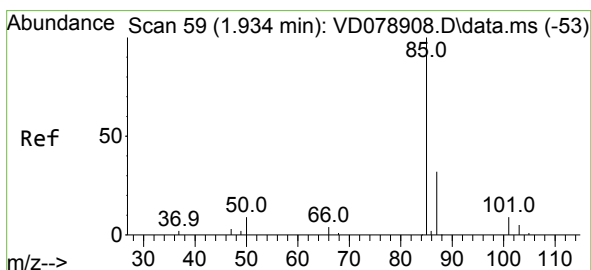
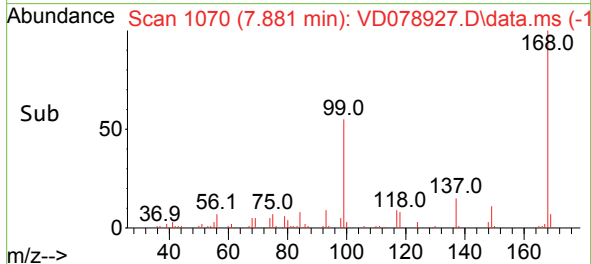
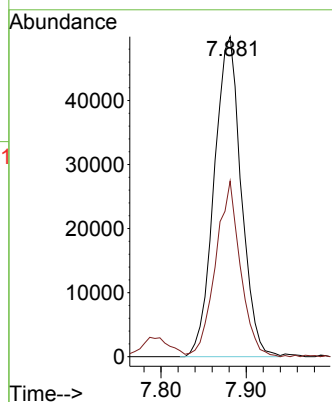
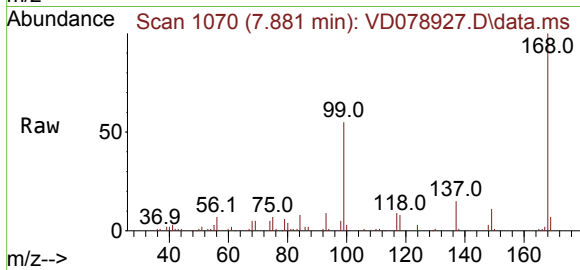
LOQ-SOIL-02-QT2-2024

Tgt Ion:168 Resp: 110159

Ion Ratio Lower Upper

168 100

99 54.9 41.1 61.7



#2

Dichlorodifluoromethane

Concen: 5.762 ug/l

RT: 1.934 min Scan# 59

Delta R.T. 0.000 min

Lab File: VD078927.D

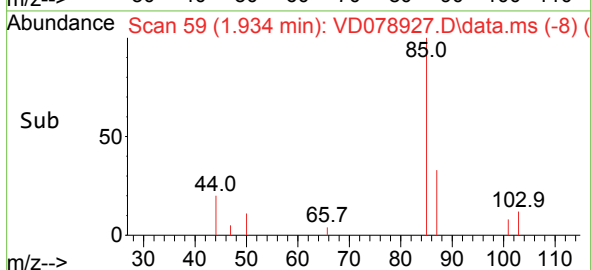
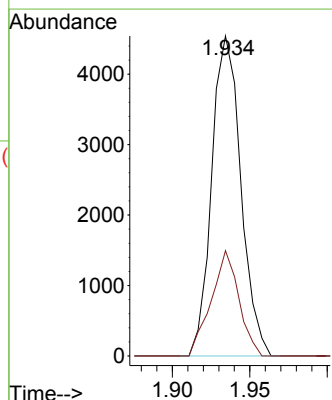
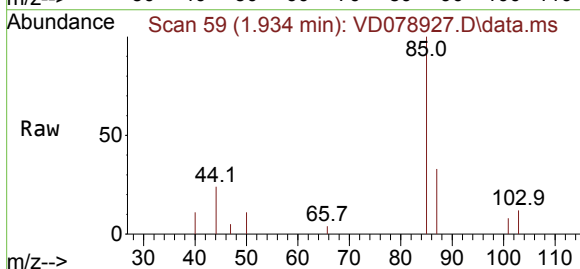
Acq: 15 May 2024 12:35

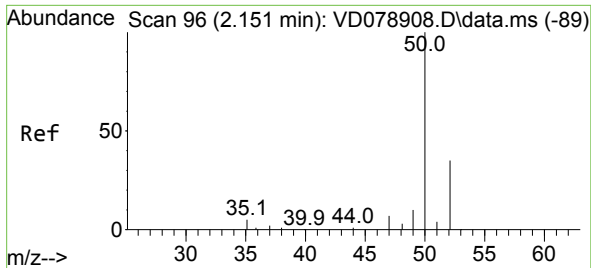
Tgt Ion: 85 Resp: 5931

Ion Ratio Lower Upper

85 100

87 32.9 16.0 48.0





#3

Chloromethane

Concen: 5.885 ug/l

RT: 2.152 min Scan# 90

Delta R.T. 0.001 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

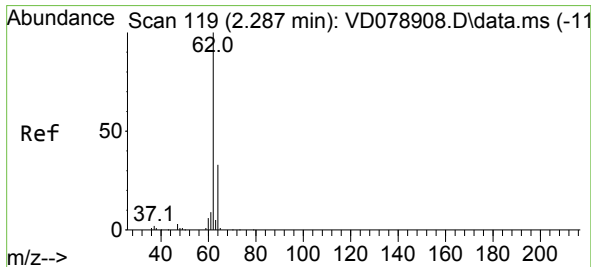
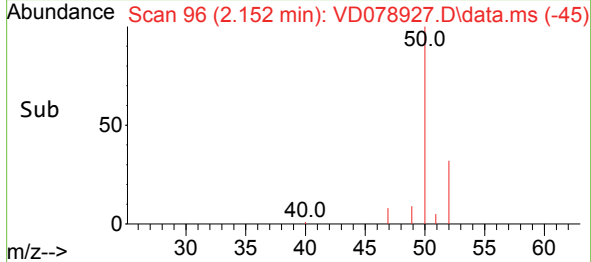
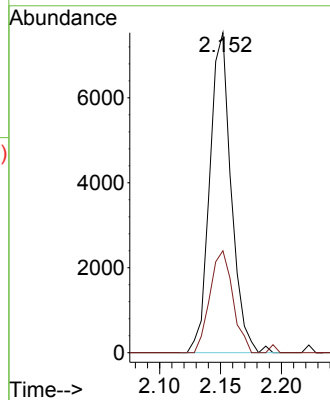
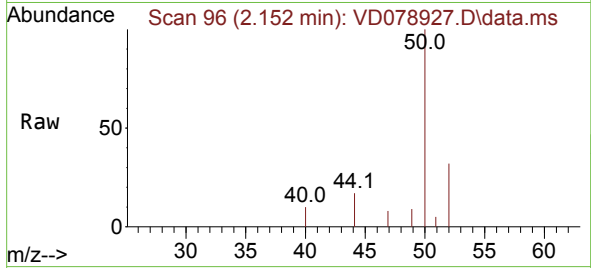
LOQ-SOIL-02-QT2-2024

Tgt Ion: 50 Resp: 9233

Ion Ratio Lower Upper

50 100

52 31.9 28.2 42.2



#4

Vinyl Chloride

Concen: 6.297 ug/l

RT: 2.287 min Scan# 119

Delta R.T. 0.000 min

Lab File: VD078927.D

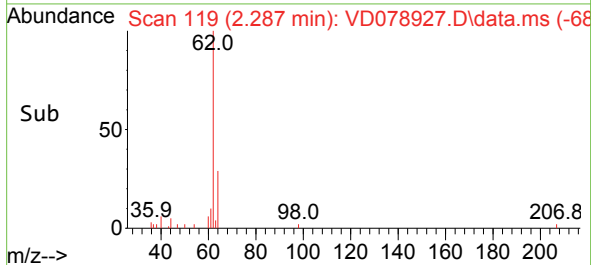
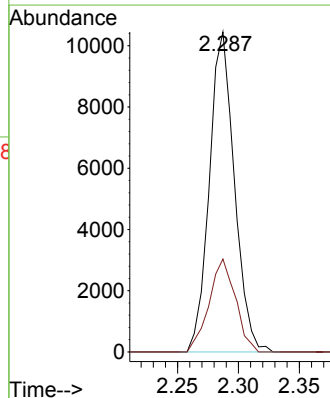
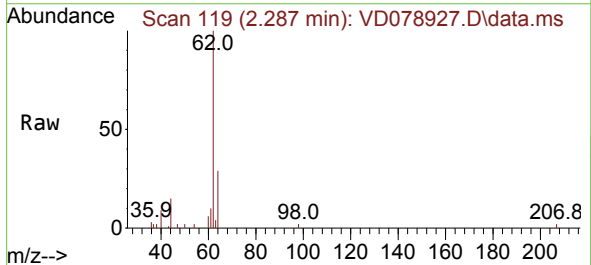
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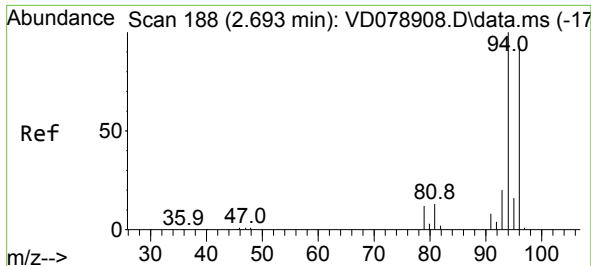
Tgt Ion: 62 Resp: 14941

Ion Ratio Lower Upper

62 100

64 29.0 26.3 39.5

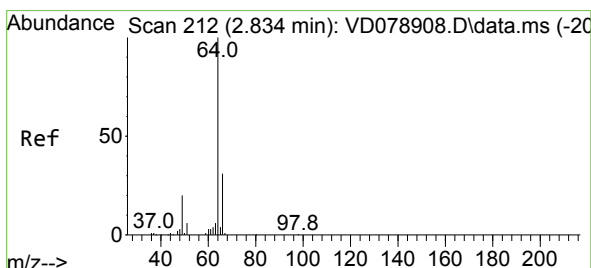
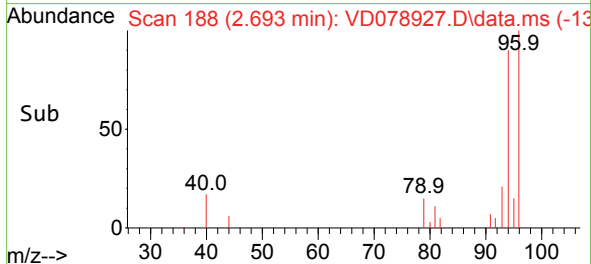
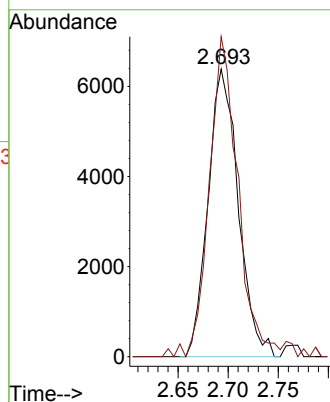
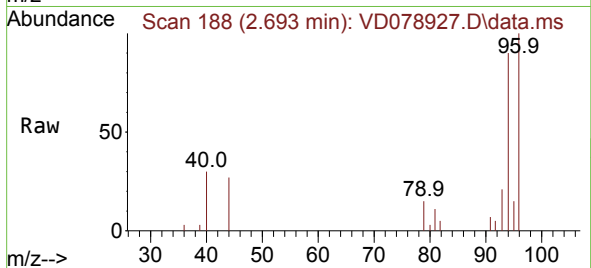




#5
Bromomethane
Concen: 5.830 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

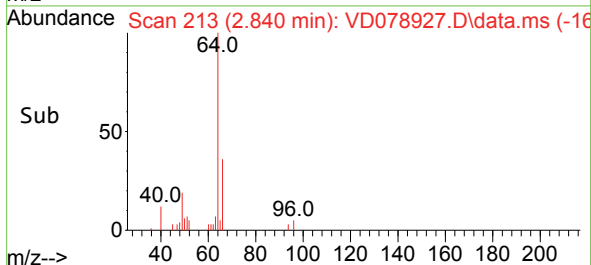
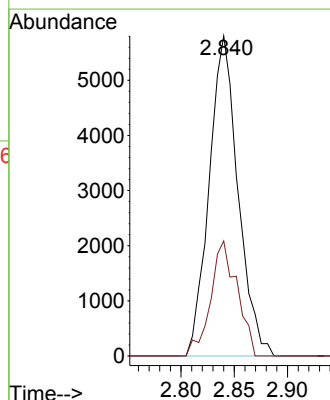
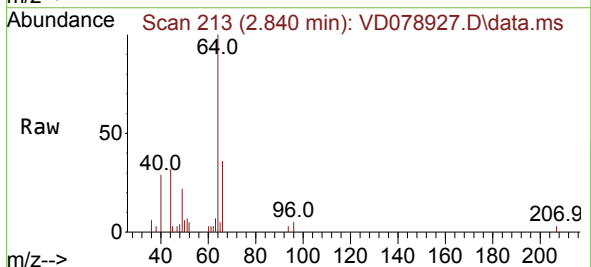
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ClientSampleId :
LOQ-SOIL-02-QT2-2024

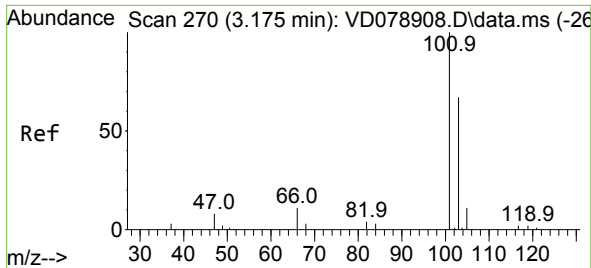
Tgt Ion: 94 Resp: 13370
Ion Ratio Lower Upper
94 100
96 105.3 76.9 115.3



#6
Chloroethane
Concen: 5.552 ug/l
RT: 2.840 min Scan# 213
Delta R.T. 0.006 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 64 Resp: 10940
Ion Ratio Lower Upper
64 100
66 36.0 24.5 36.7

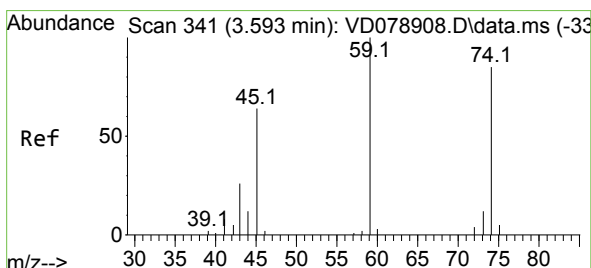
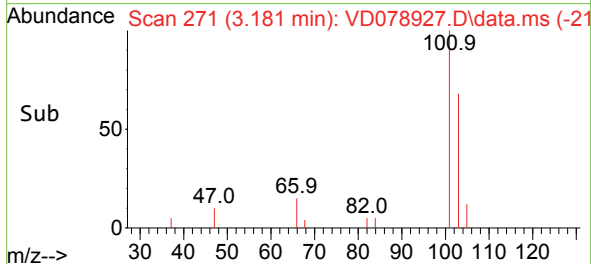
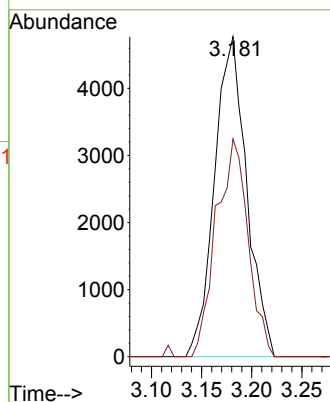
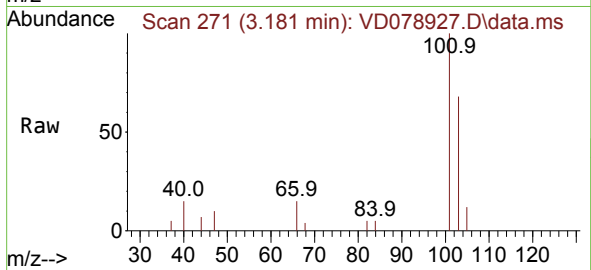




#7
Trichlorofluoromethane
Concen: 4.923 ug/l
RT: 3.181 min Scan# 270
Delta R.T. 0.006 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

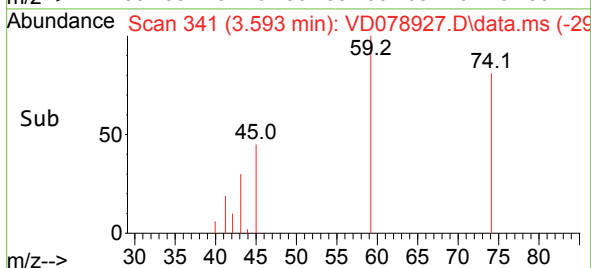
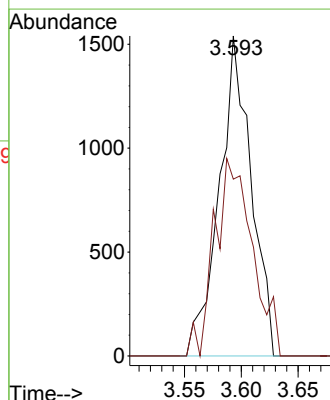
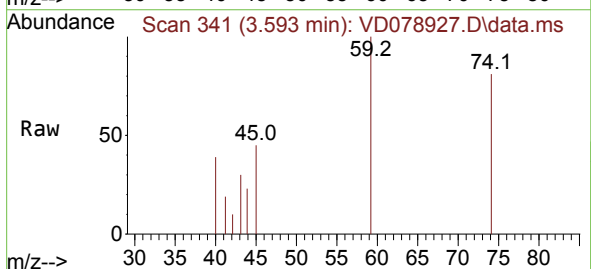
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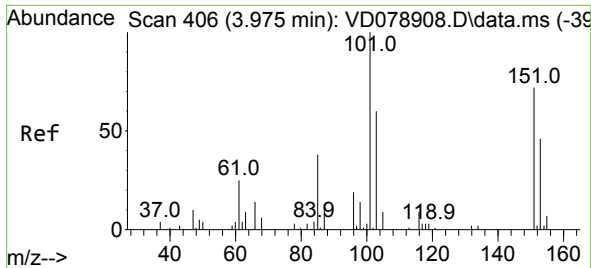
Tgt Ion:101 Resp: 10621
Ion Ratio Lower Upper
101 100
103 68.0 53.2 79.8



#8
Diethyl Ether
Concen: 5.563 ug/l
RT: 3.593 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 74 Resp: 3012
Ion Ratio Lower Upper
74 100
45 73.3 37.9 113.6

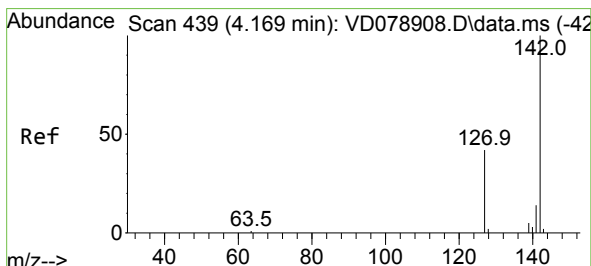
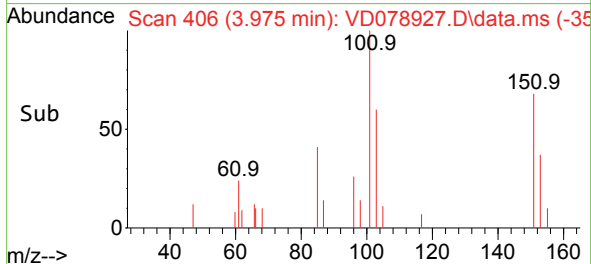
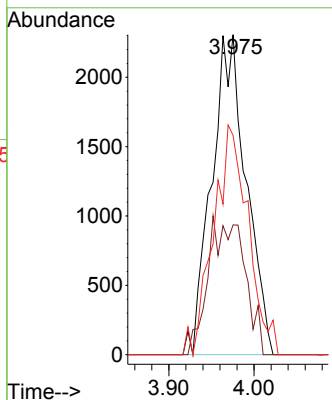
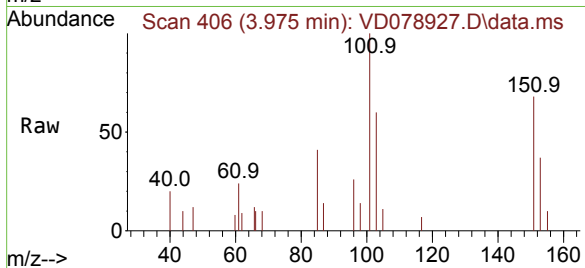




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.718 ug/l
 RT: 3.975 min Scan# 406
 Delta R.T. 0.000 min
 Lab File: VD078927.D
 Acq: 15 May 2024 12:35

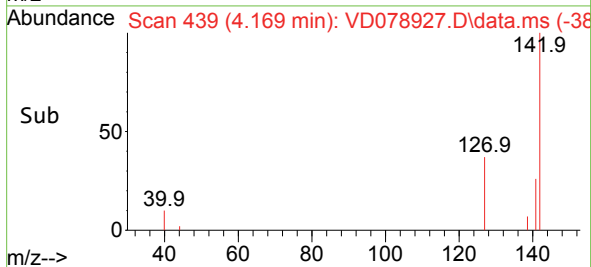
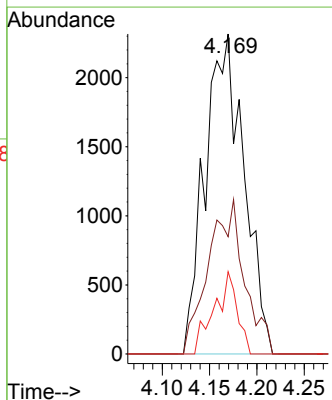
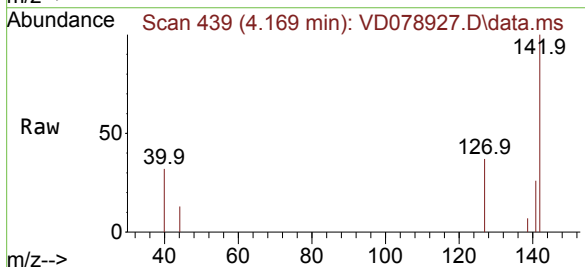
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

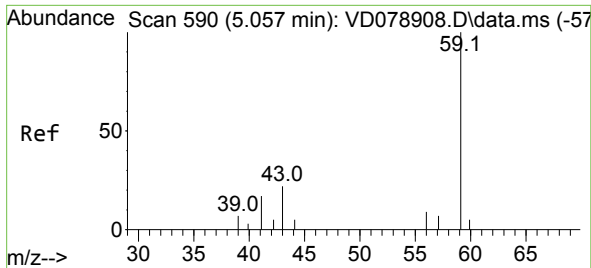
Tgt Ion:101 Resp: 6514
 Ion Ratio Lower Upper
 101 100
 85 0.0 33.5 50.3#
 151 72.0 60.3 90.5



#10
 Methyl Iodide
 Concen: 4.848 ug/l
 RT: 4.169 min Scan# 439
 Delta R.T. 0.000 min
 Lab File: VD078927.D
 Acq: 15 May 2024 12:35

Tgt Ion:142 Resp: 6599
 Ion Ratio Lower Upper
 142 100
 127 44.7 34.2 51.4
 141 15.3 11.7 17.5





#11

Tert butyl alcohol

Concen: 24.046 ug/l

RT: 5.058 min Scan# 59

Delta R.T. 0.001 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

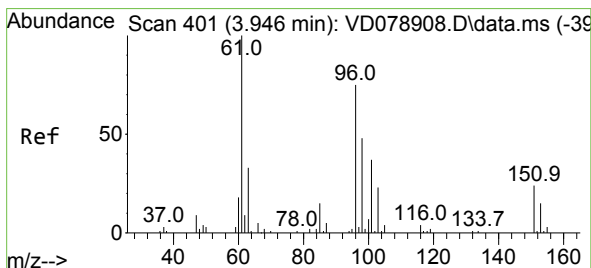
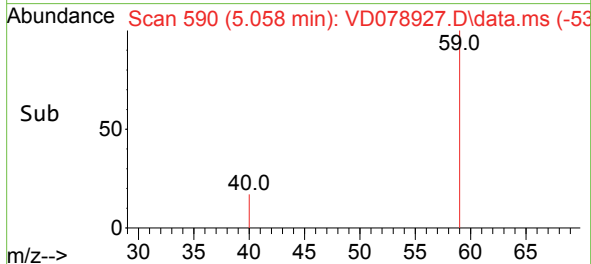
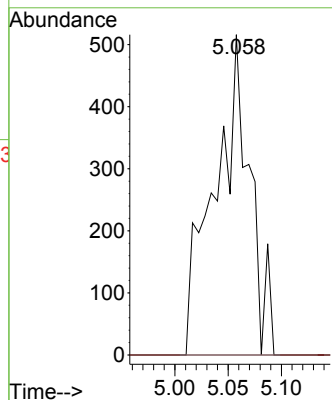
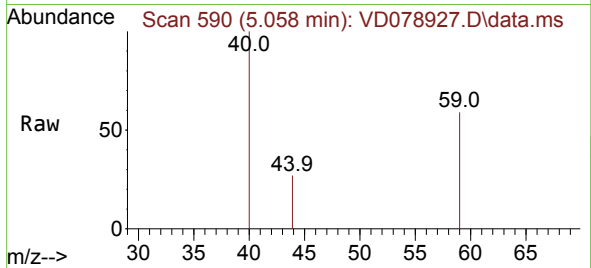
LOQ-SOIL-02-QT2-2024

Tgt Ion: 59 Resp: 1184

Ion Ratio Lower Upper

59 100

57 0.0 3.6 5.4#



#12

1,1-Dichloroethene

Concen: 5.378 ug/l

RT: 3.946 min Scan# 401

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

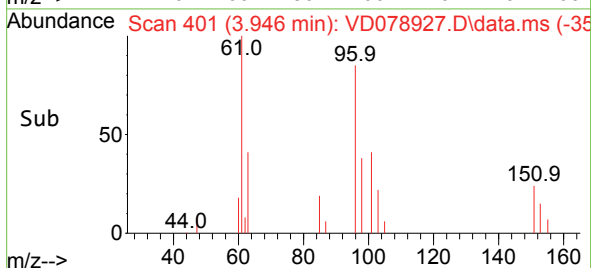
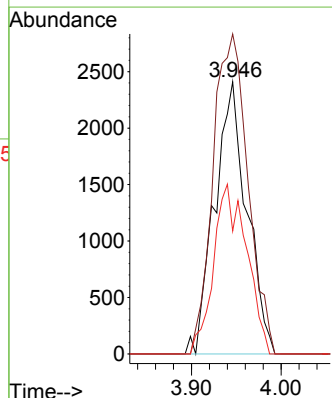
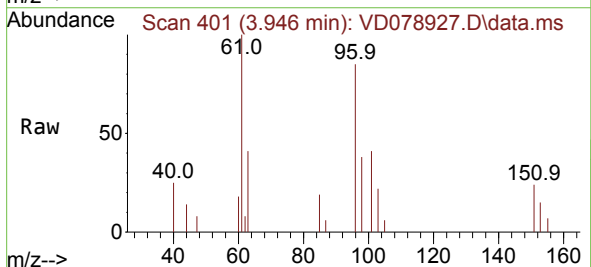
Tgt Ion: 96 Resp: 5997

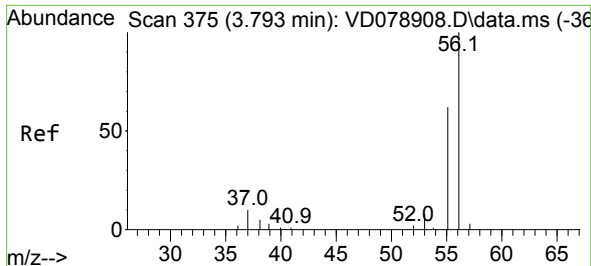
Ion Ratio Lower Upper

96 100

61 117.5 107.3 160.9

98 45.2 51.7 77.5#





#13

Acrolein

Concen: 23.935 ug/l

RT: 3.799 min Scan# 31

Delta R.T. 0.006 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

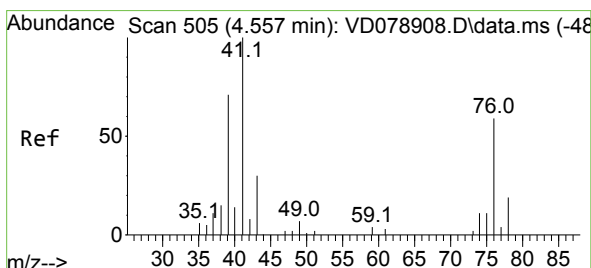
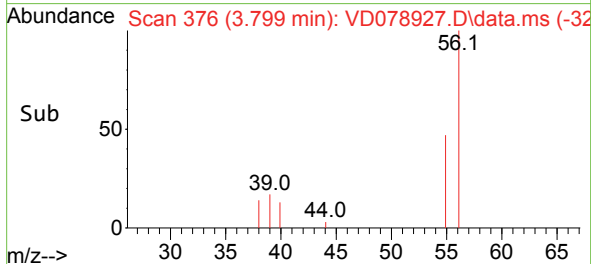
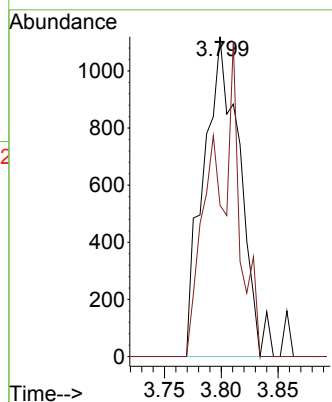
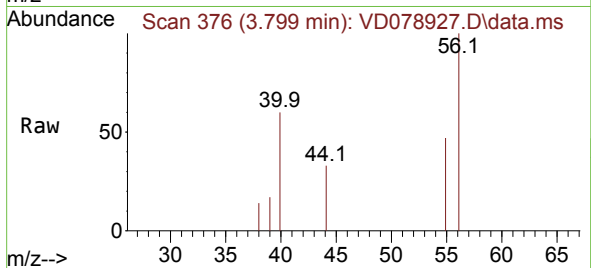
LOQ-SOIL-02-QT2-2024

Tgt Ion: 56 Resp: 2462

Ion Ratio Lower Upper

56 100

55 43.7 55.3 82.9#



#14

Allyl chloride

Concen: 5.452 ug/l

RT: 4.564 min Scan# 506

Delta R.T. 0.006 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

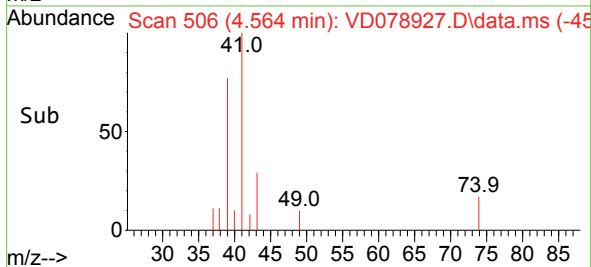
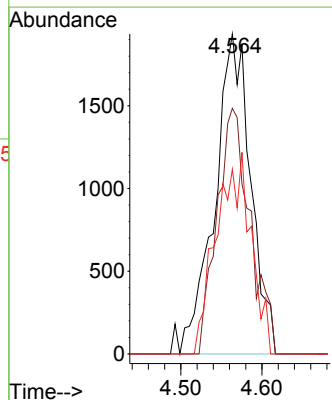
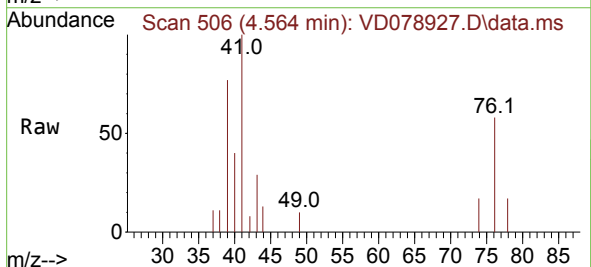
Tgt Ion: 41 Resp: 5933

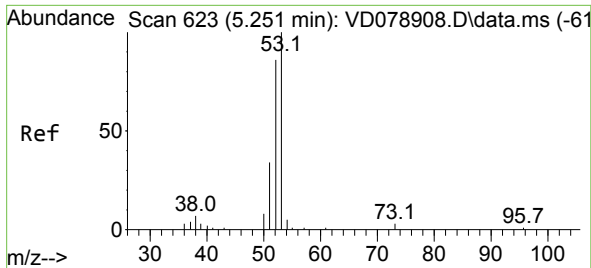
Ion Ratio Lower Upper

41 100

39 71.0 58.0 87.0

76 60.4 45.9 68.9

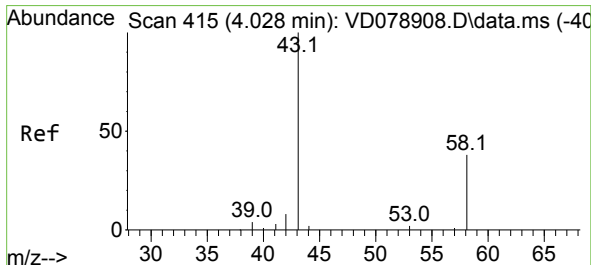
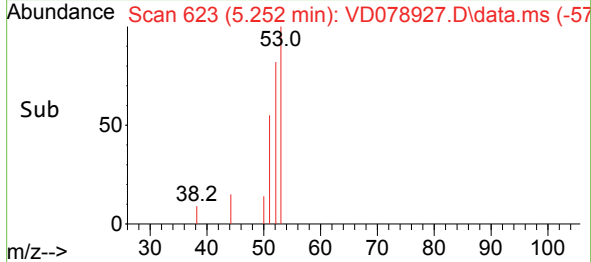
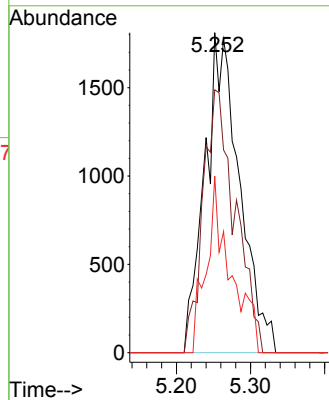
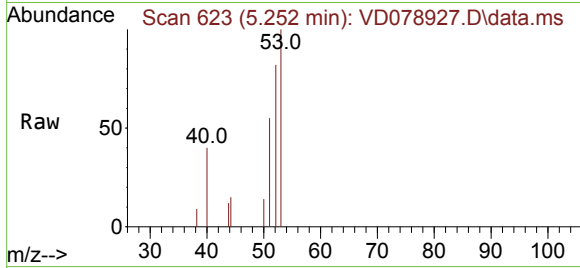




#15
Acrylonitrile
Concen: 29.590 ug/l
RT: 5.252 min Scan# 61
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

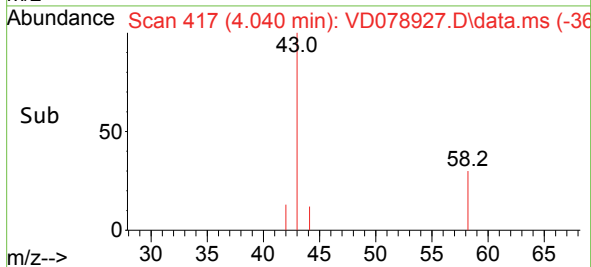
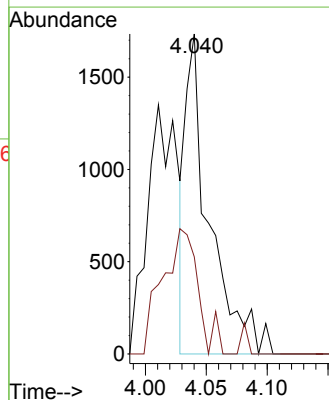
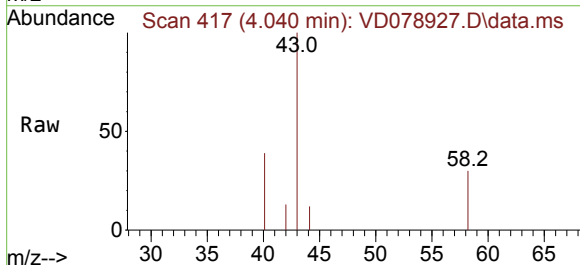
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

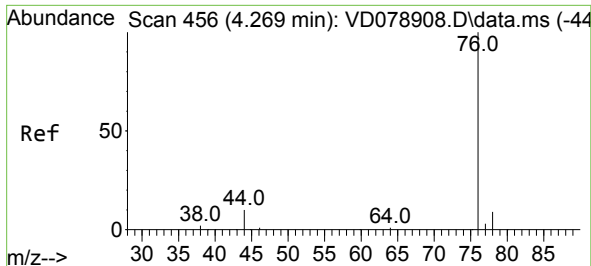
Tgt Ion:	53	Resp:	5910
Ion	Ratio	Lower	Upper
53	100		
52	75.9	67.7	101.5
51	32.8	28.6	42.8



#16
Acetone
Concen: 14.349 ug/l
RT: 4.040 min Scan# 417
Delta R.T. 0.012 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion:	43	Resp:	2364
Ion	Ratio	Lower	Upper
43	100		
58	30.3	30.4	45.6#





#17

Carbon Disulfide

Concen: 5.379 ug/l

RT: 4.281 min Scan# 4

Delta R.T. 0.012 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

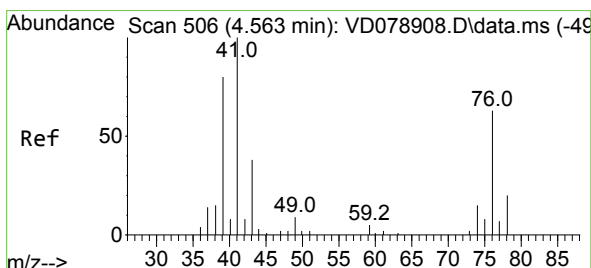
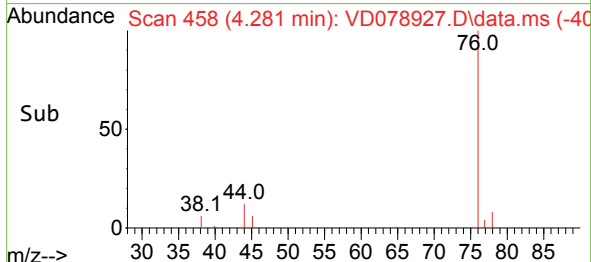
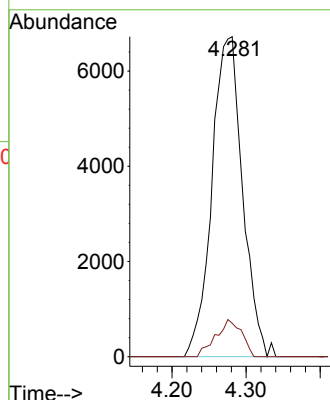
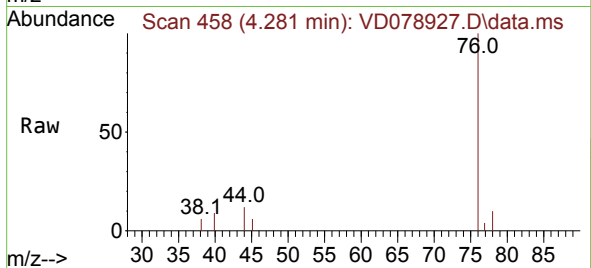
LOQ-SOIL-02-QT2-2024

Tgt Ion: 76 Resp: 19299

Ion Ratio Lower Upper

76 100

78 10.4 6.9 10.3#



#18

Methyl Acetate

Concen: 7.313 ug/l

RT: 4.575 min Scan# 508

Delta R.T. 0.012 min

Lab File: VD078927.D

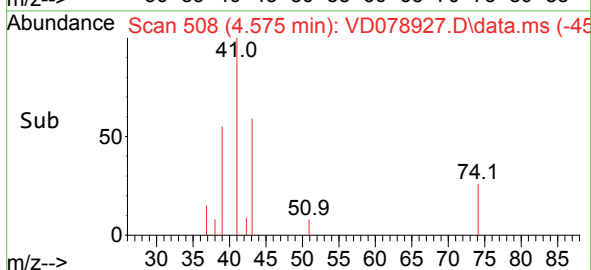
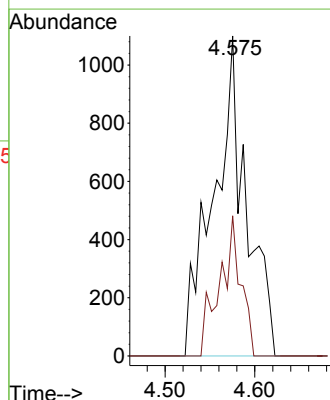
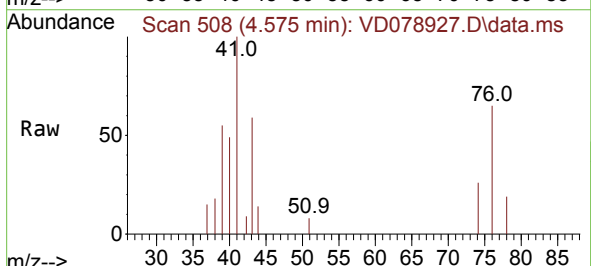
Acq: 15 May 2024 12:35

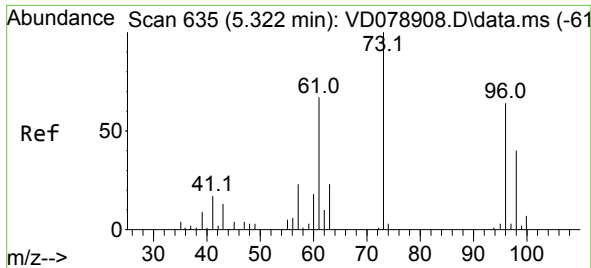
Tgt Ion: 43 Resp: 2774

Ion Ratio Lower Upper

43 100

74 28.4 28.1 42.1





#19

Methyl tert-butyl Ether

Concen: 4.892 ug/l

RT: 5.311 min Scan# 61

Delta R.T. -0.011 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

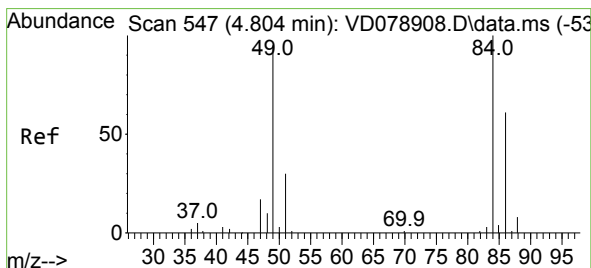
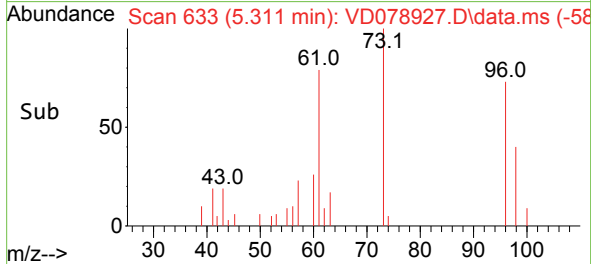
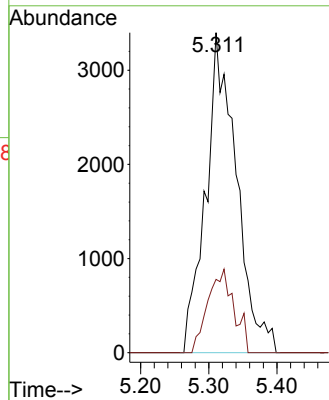
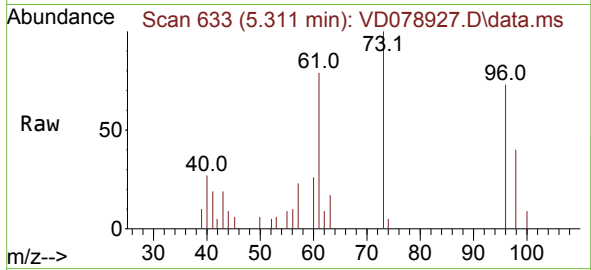
LOQ-SOIL-02-QT2-2024

Tgt Ion: 73 Resp: 10629

Ion Ratio Lower Upper

73 100

57 22.9 18.3 27.5



#20

Methylene Chloride

Concen: 8.710 ug/l

RT: 4.811 min Scan# 548

Delta R.T. 0.007 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Tgt Ion: 84 Resp: 14825

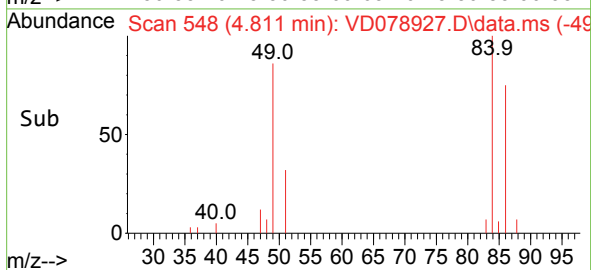
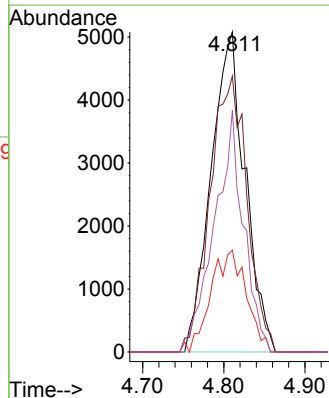
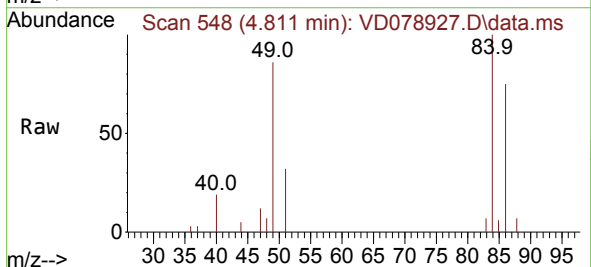
Ion Ratio Lower Upper

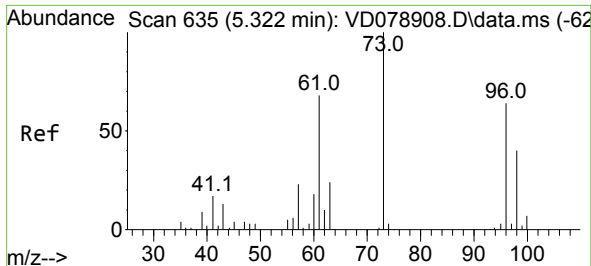
84 100

49 86.2 75.6 113.4

51 31.9 24.2 36.2

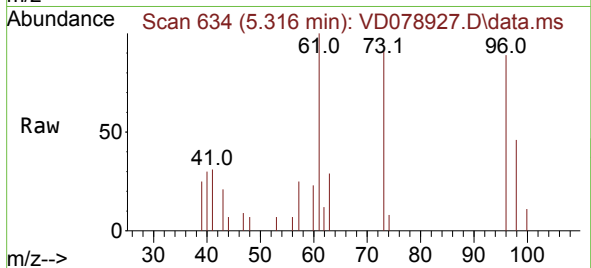
86 75.5 49.2 73.8#



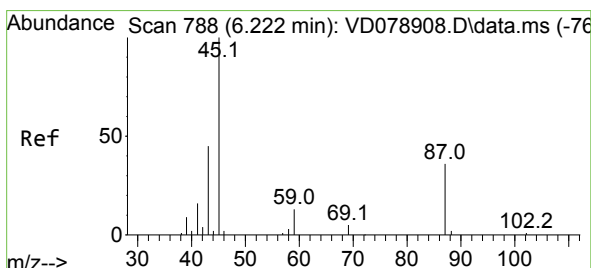
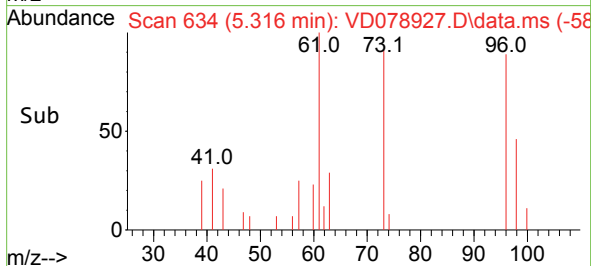
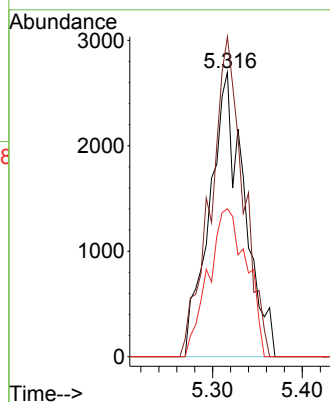


#21
trans-1,2-Dichloroethene
Concen: 5.820 ug/l
RT: 5.316 min Scan# 61
Delta R.T. -0.005 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

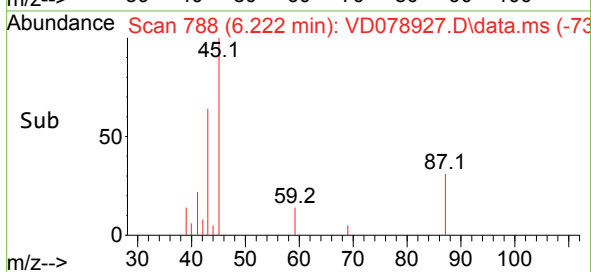
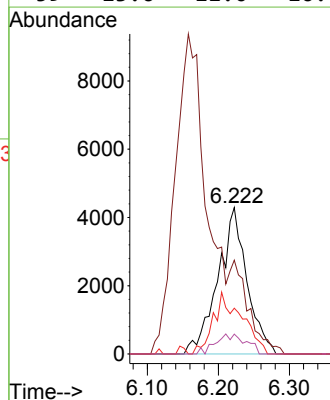
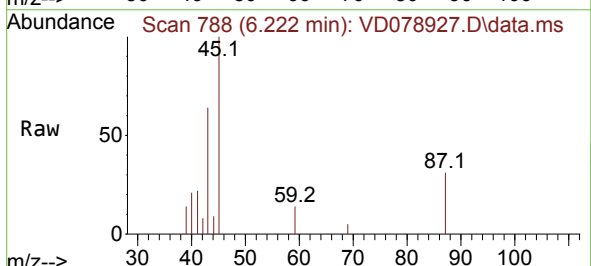


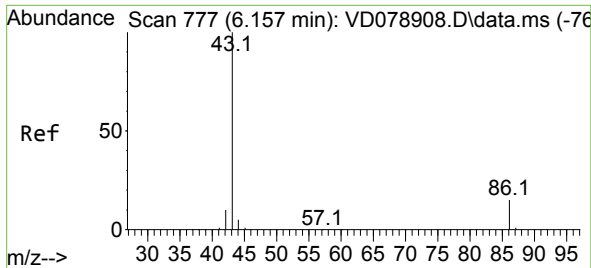
Tgt Ion: 96 Resp: 7234
Ion Ratio Lower Upper
96 100
61 112.6 84.5 126.7
98 52.1 50.5 75.7



#22
Diisopropyl ether
Concen: 4.954 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 45 Resp: 12193
Ion Ratio Lower Upper
45 100
43 59.9 41.7 62.5
87 31.3 30.2 45.2
59 13.6 11.0 16.6

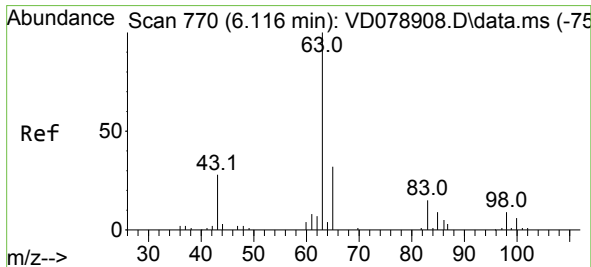
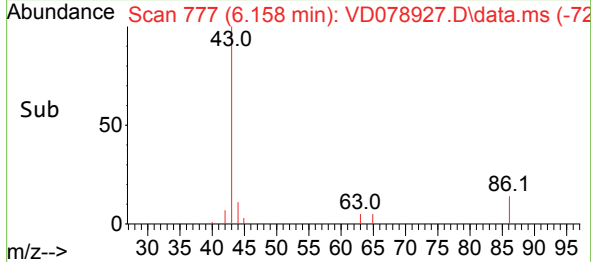
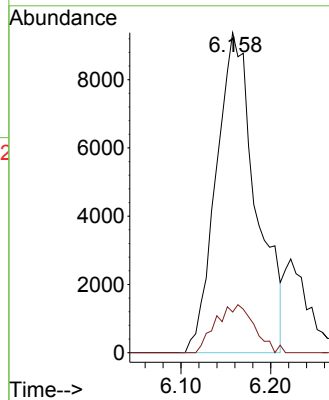
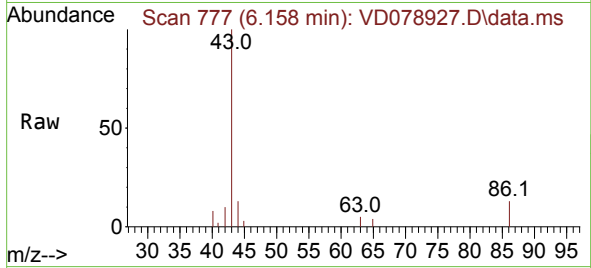




#23
 Vinyl Acetate
 Concen: 19.561 ug/l
 RT: 6.158 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VD078927.D
 Acq: 15 May 2024 12:35

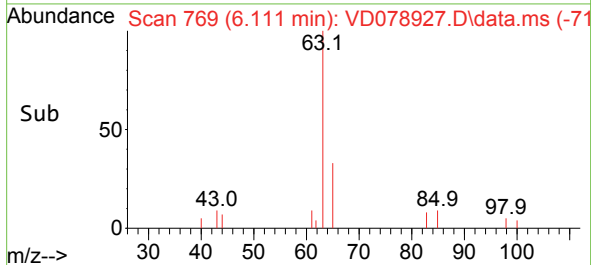
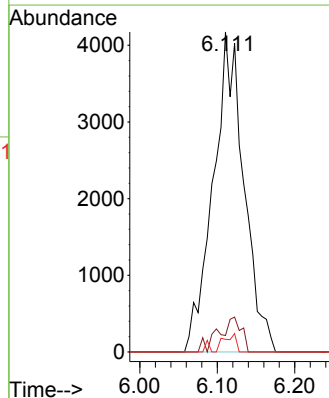
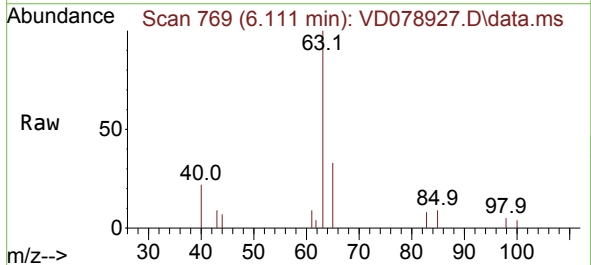
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

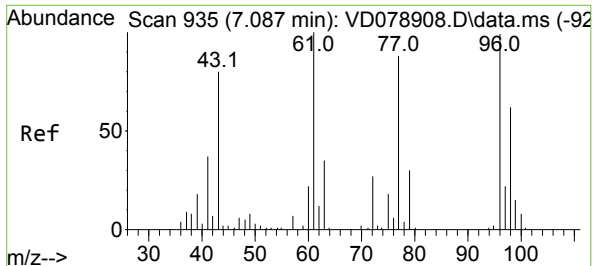
Tgt Ion: 43 Resp: 28876
 Ion Ratio Lower Upper
 43 100
 86 12.7 12.3 18.5



#24
 1,1-Dichloroethane
 Concen: 5.898 ug/l
 RT: 6.111 min Scan# 769
 Delta R.T. -0.005 min
 Lab File: VD078927.D
 Acq: 15 May 2024 12:35

Tgt Ion: 63 Resp: 11507
 Ion Ratio Lower Upper
 63 100
 98 5.2 4.7 14.0
 100 4.0 2.9 8.6

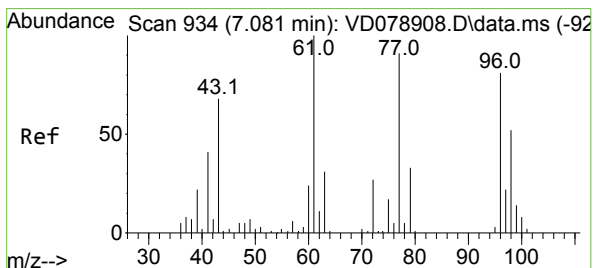
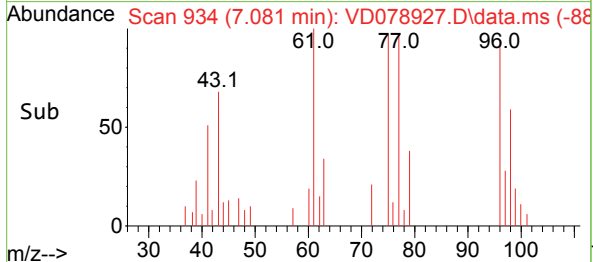
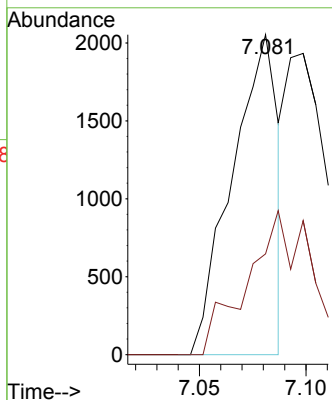
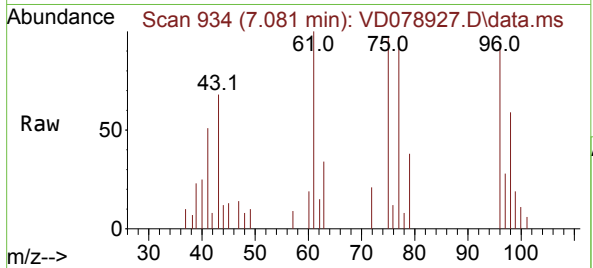




#25
2-Butanone
Concen: 14.005 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.005 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

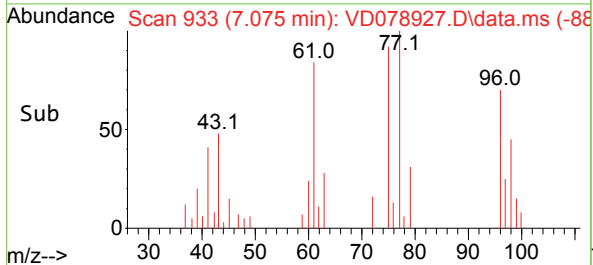
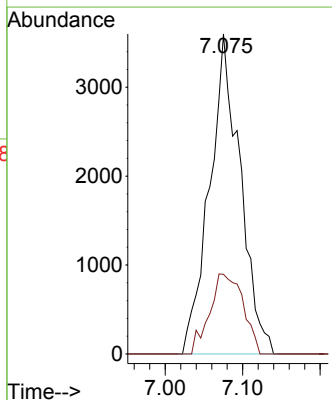
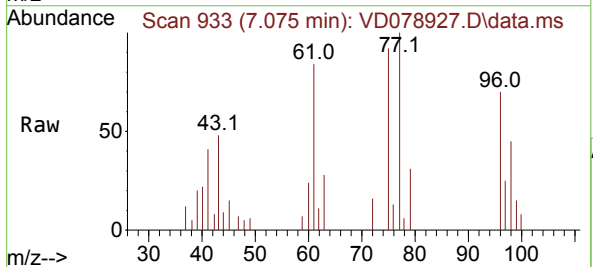
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

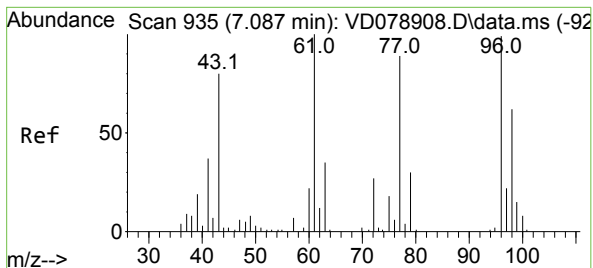
Tgt Ion: 43 Resp: 3086
Ion Ratio Lower Upper
43 100
72 31.5 26.4 39.6



#26
2,2-Dichloropropane
Concen: 5.779 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.005 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 77 Resp: 9908
Ion Ratio Lower Upper
77 100
97 27.2 12.4 37.2





#27

cis-1,2-Dichloroethene

Concen: 5.061 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024

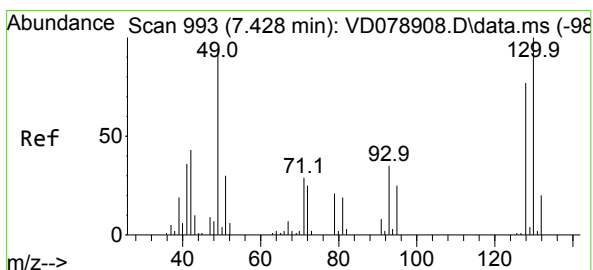
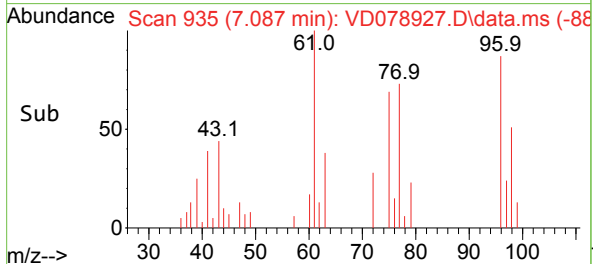
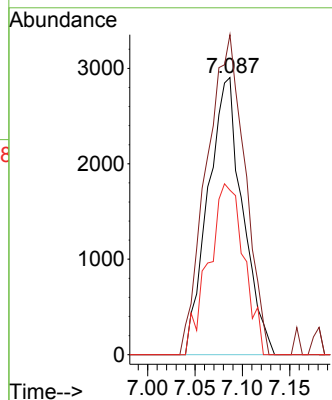
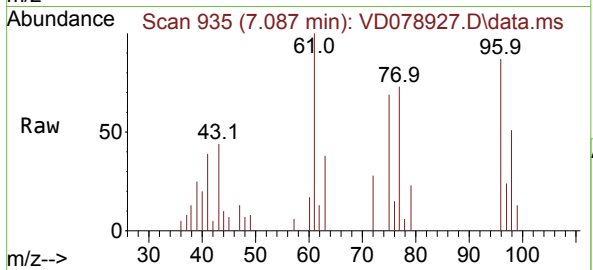
Tgt Ion: 96 Resp: 7387

Ion Ratio Lower Upper

96 100

61 127.7 0.0 229.0

98 63.2 0.0 127.2



#28

Bromochloromethane

Concen: 6.961 ug/l

RT: 7.428 min Scan# 993

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

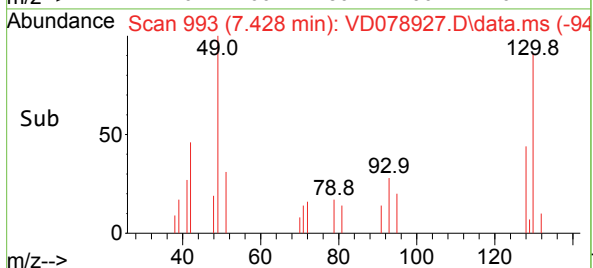
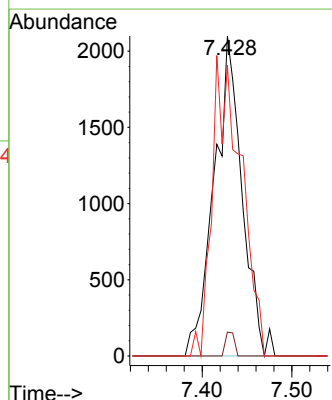
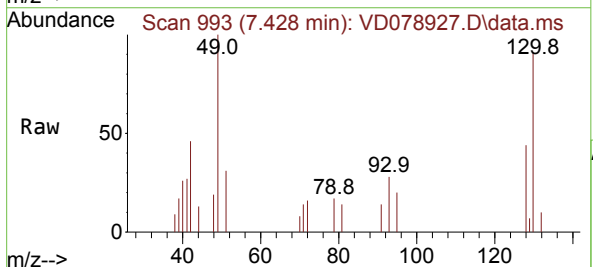
Tgt Ion: 49 Resp: 4529

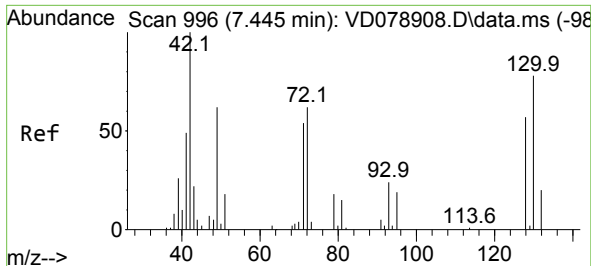
Ion Ratio Lower Upper

49 100

129 2.4 0.0 7.0

130 97.4 87.7 131.5





#29

Tetrahydrofuran

Concen: 26.151 ug/l

RT: 7.452 min Scan# 997

Delta R.T. 0.006 min

Lab File: VD078927.D

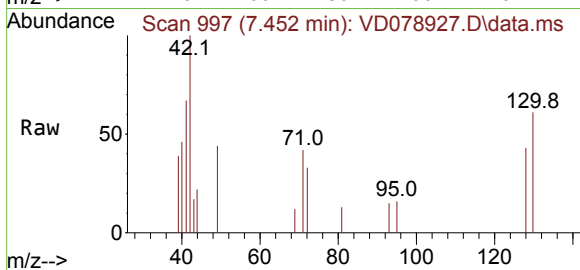
Acq: 15 May 2024 12:35

Instrument :

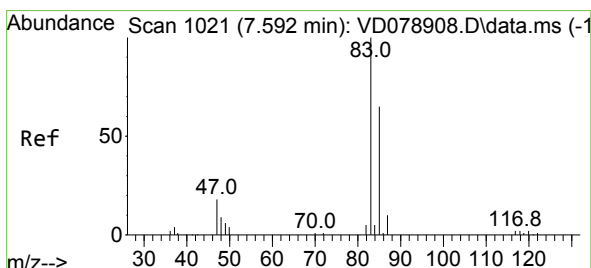
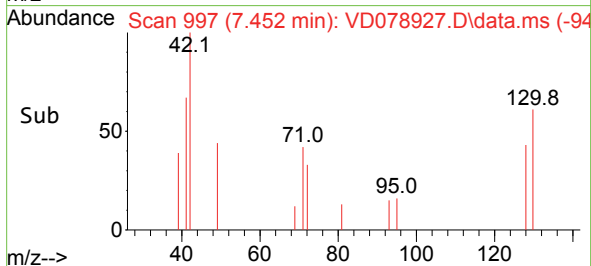
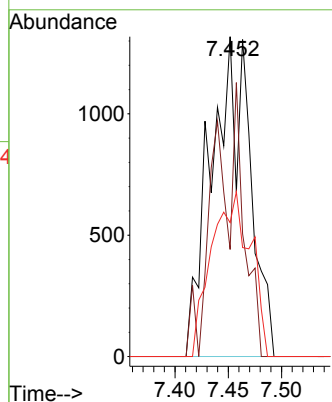
MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024



Tgt Ion:	42	Resp:	3333
Ion	Ratio	Lower	Upper
42	100		
72	37.1	49.4	74.0#
71	52.1	45.0	67.6



#30

Chloroform

Concen: 6.019 ug/l

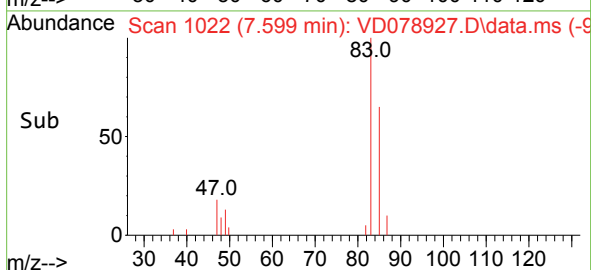
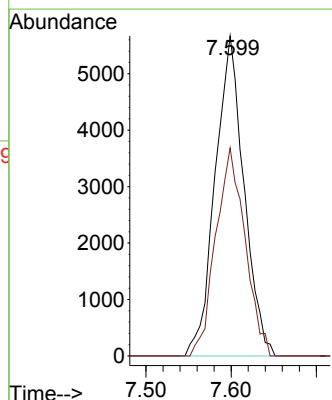
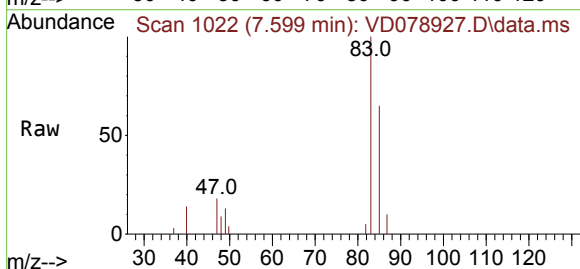
RT: 7.599 min Scan# 1022

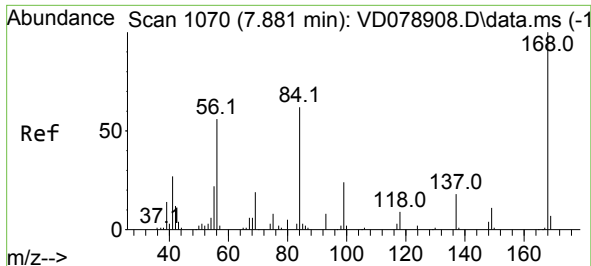
Delta R.T. 0.006 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Tgt Ion:	83	Resp:	13301
Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.8	77.6

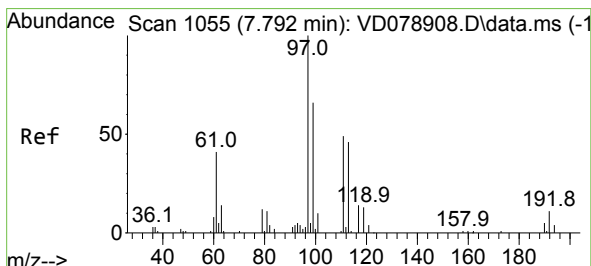
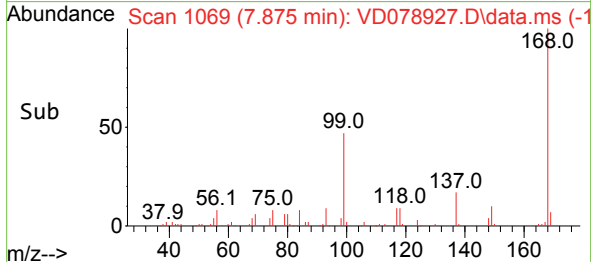
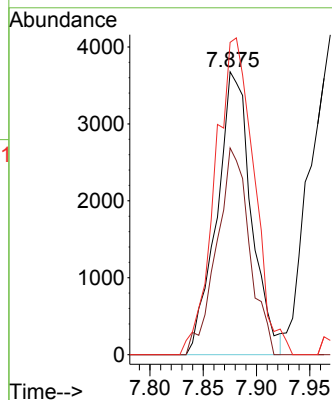
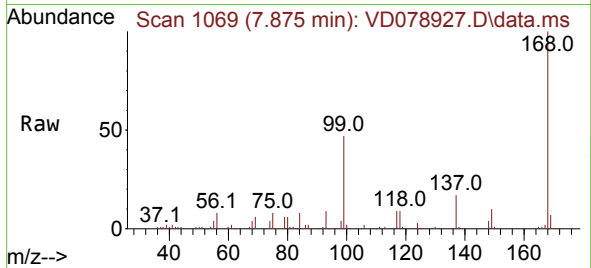




#31
Cyclohexane
Concen: 5.506 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.005 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

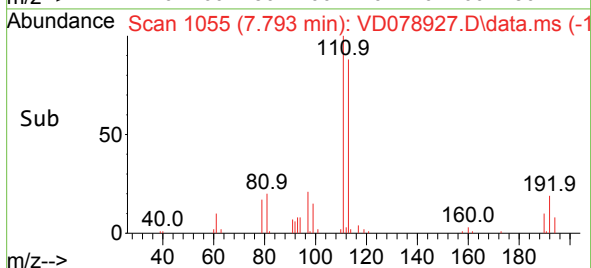
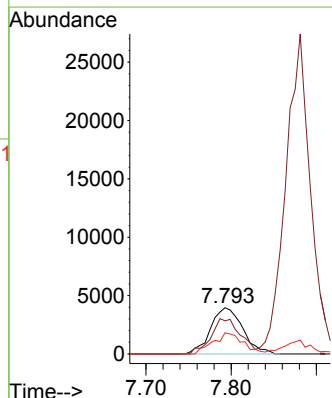
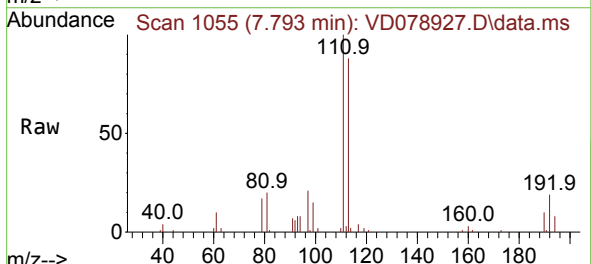
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

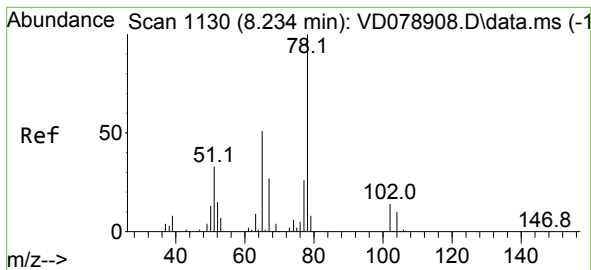
Tgt Ion: 56 Resp: 8312
Ion Ratio Lower Upper
56 100
69 73.1 28.0 42.0#
84 110.4 87.4 131.0



#32
1,1,1-Trichloroethane
Concen: 5.463 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 97 Resp: 10339
Ion Ratio Lower Upper
97 100
99 69.9 51.3 76.9
61 42.9 31.4 47.2





#33

1,2-Dichloroethane-d4

Concen: 55.874 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

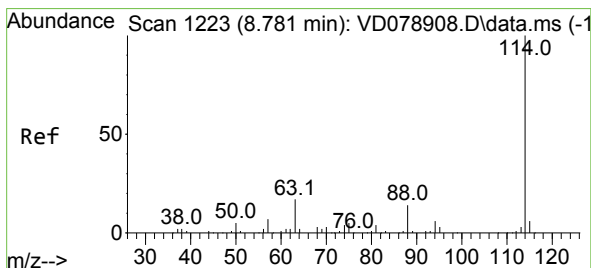
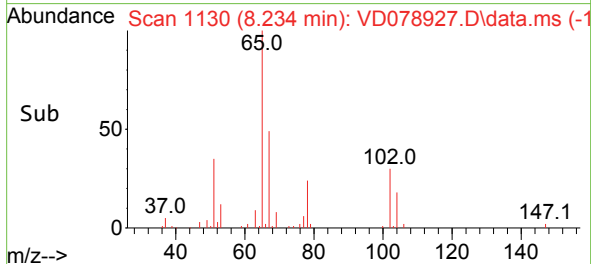
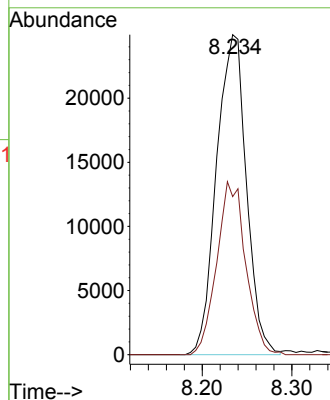
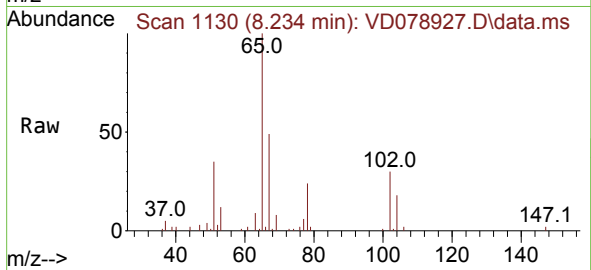
LOQ-SOIL-02-QT2-2024

Tgt Ion: 65 Resp: 57734

Ion Ratio Lower Upper

65 100

67 52.3 0.0 111.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

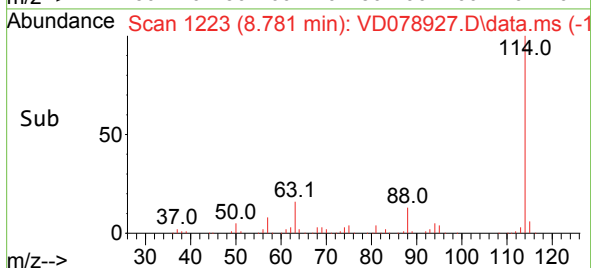
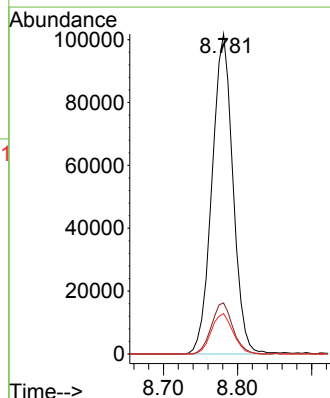
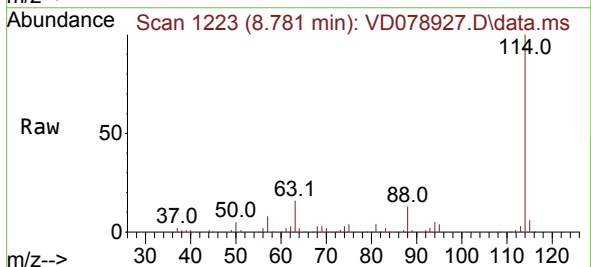
Tgt Ion: 114 Resp: 199578

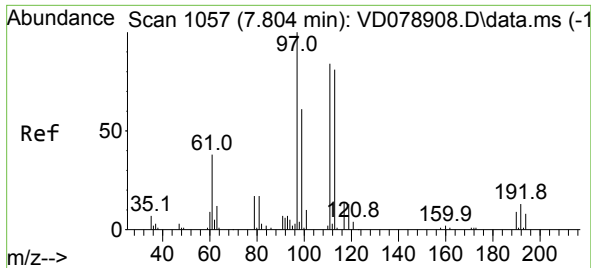
Ion Ratio Lower Upper

114 100

63 15.9 0.0 34.0

88 12.6 0.0 27.2

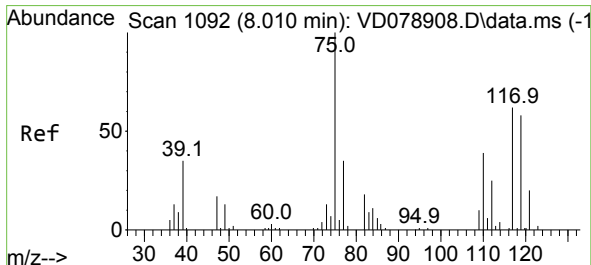
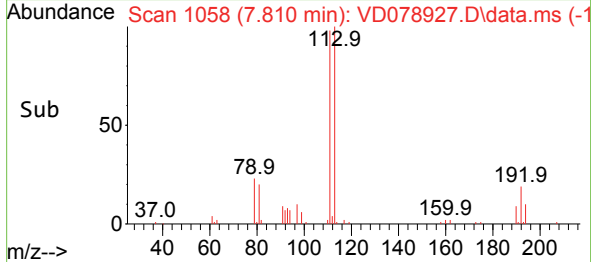
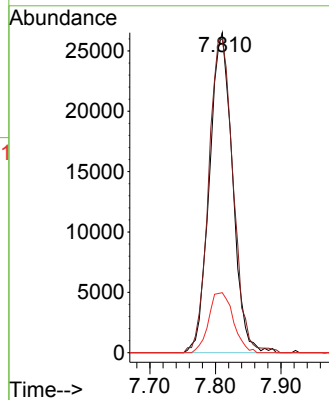
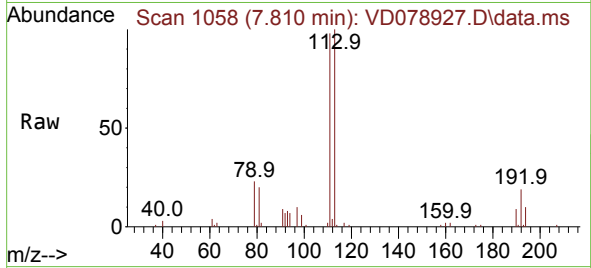




#35
 Dibromofluoromethane
 Concen: 48.712 ug/l
 RT: 7.810 min Scan# 1058
 Delta R.T. 0.006 min
 Lab File: VD078927.D
 Acq: 15 May 2024 12:35

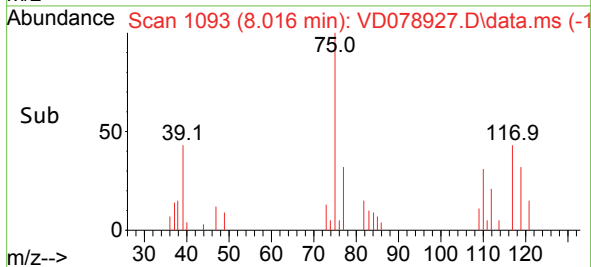
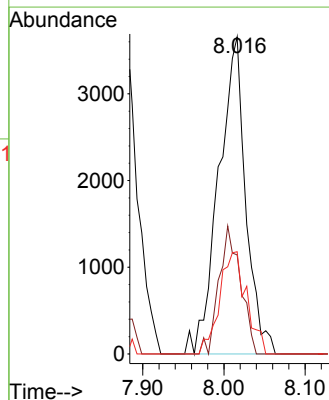
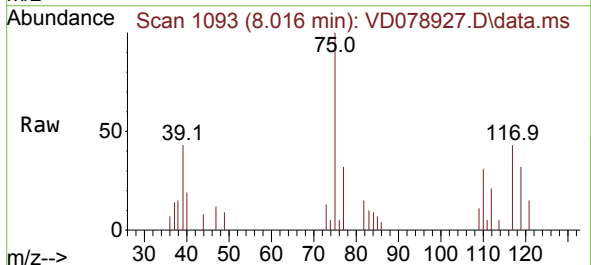
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

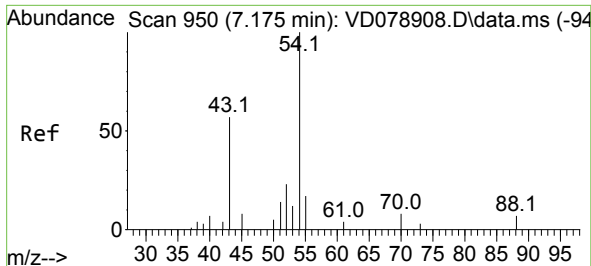
Tgt Ion:113 Resp: 64715
 Ion Ratio Lower Upper
 113 100
 111 104.0 84.0 126.0
 192 20.0 15.4 23.0



#36
 1,1-Dichloropropene
 Concen: 5.136 ug/l
 RT: 8.016 min Scan# 1093
 Delta R.T. 0.006 min
 Lab File: VD078927.D
 Acq: 15 May 2024 12:35

Tgt Ion: 75 Resp: 8491
 Ion Ratio Lower Upper
 75 100
 110 32.1 19.6 58.7
 77 32.1 26.1 39.1





#37

Ethyl Acetate

Concen: 4.636 ug/l

RT: 7.181 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD078927.D

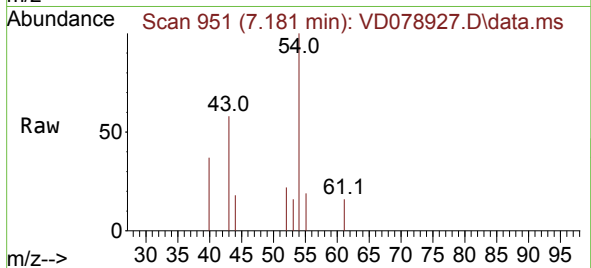
Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024



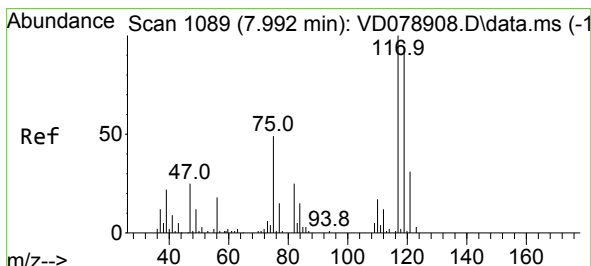
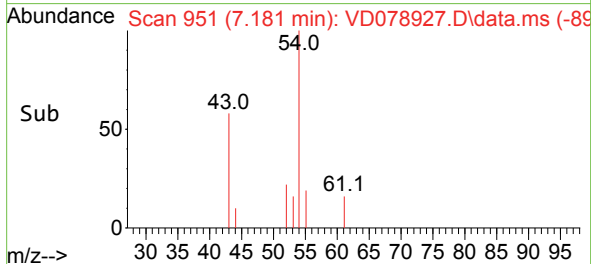
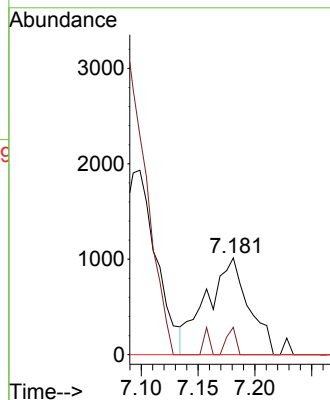
Tgt Ion: 43 Resp: 2612

Ion Ratio Lower Upper

43 100

61 0.0 13.9 20.9#

70 0.0 9.8 14.6#



#38

Carbon Tetrachloride

Concen: 5.067 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

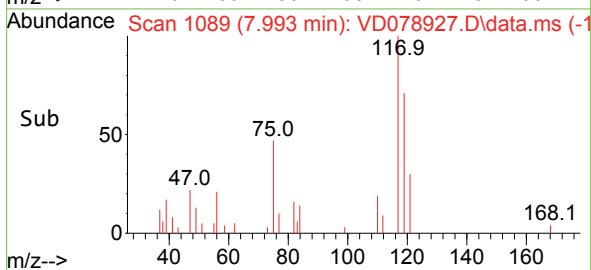
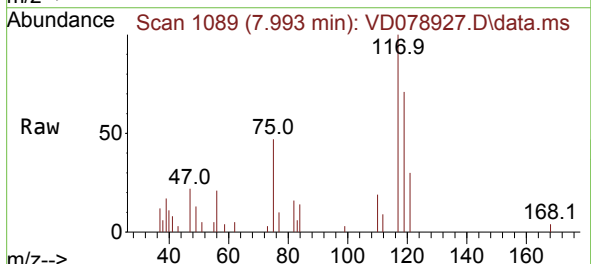
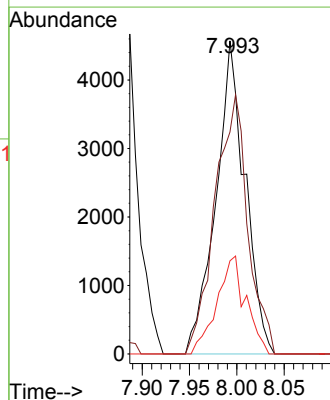
Tgt Ion: 117 Resp: 9803

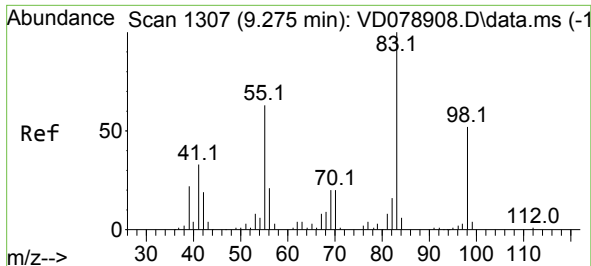
Ion Ratio Lower Upper

117 100

119 70.9 75.4 113.0#

121 29.8 25.0 37.4

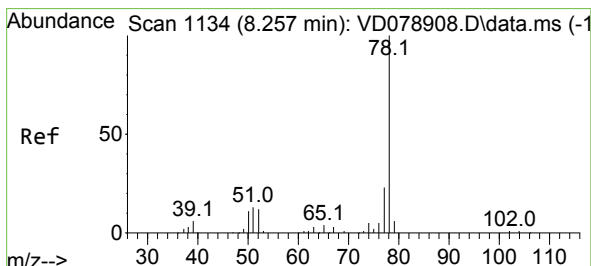
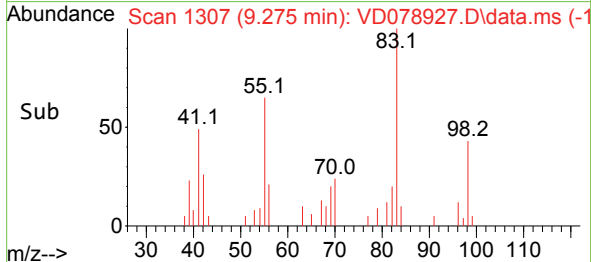
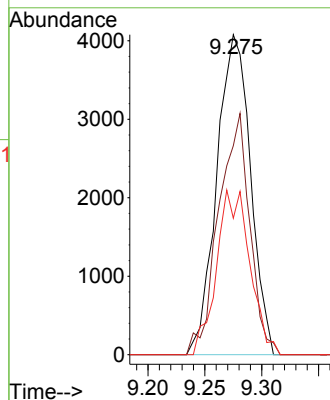
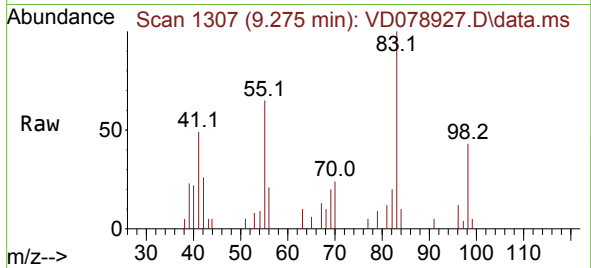




#39
Methylcyclohexane
Concen: 4.192 ug/l
RT: 9.275 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

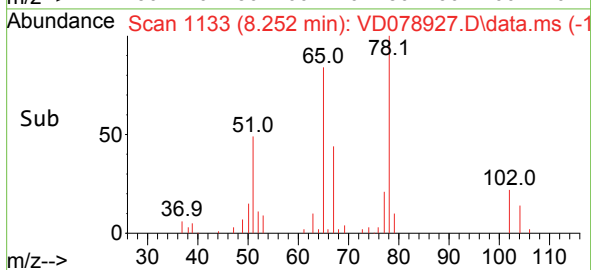
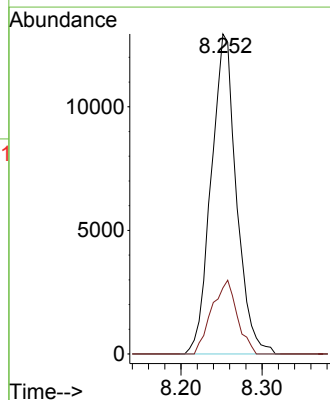
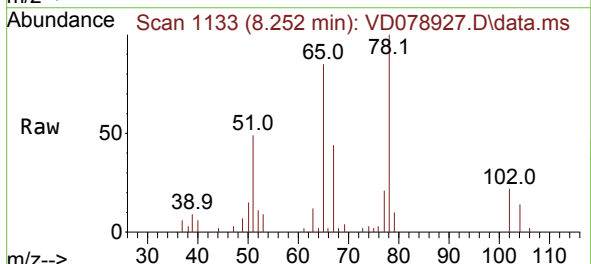
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

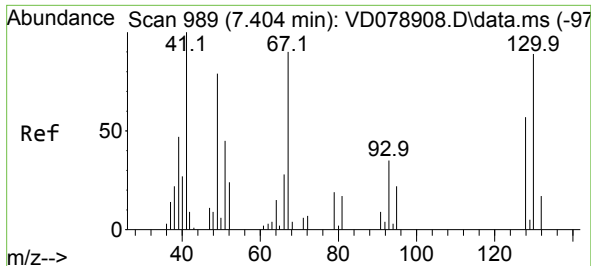
Tgt Ion: 83	Resp: 8421
Ion Ratio	Lower Upper
83	100
55	65.3 50.1 75.1
98	42.7 41.9 62.9



#40
Benzene
Concen: 5.227 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. -0.005 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

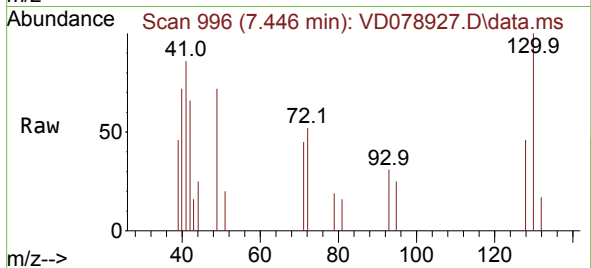
Tgt Ion: 78	Resp: 27950
Ion Ratio	Lower Upper
78	100
77	20.7 18.1 27.1



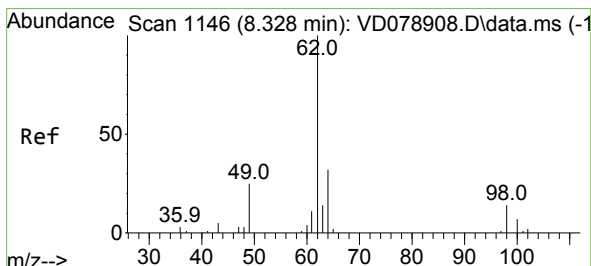
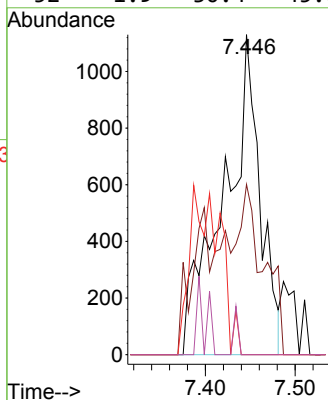
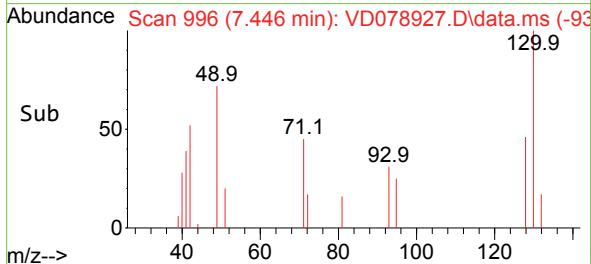


#41
Methacrylonitrile
Concen: 10.476 ug/l
RT: 7.446 min Scan# 996
Delta R.T. 0.042 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

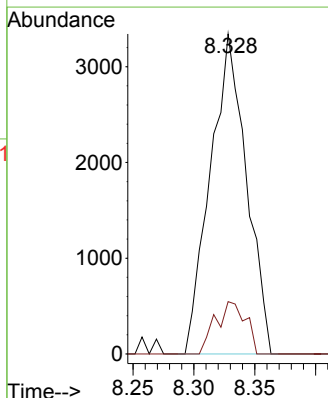
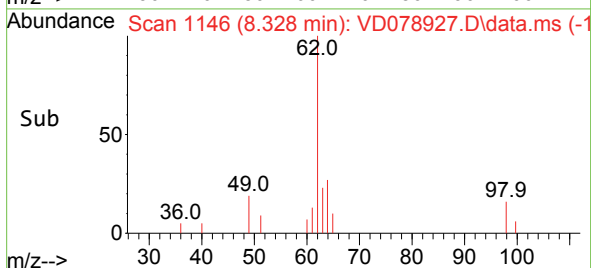
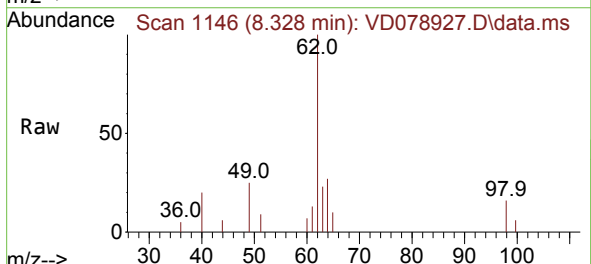


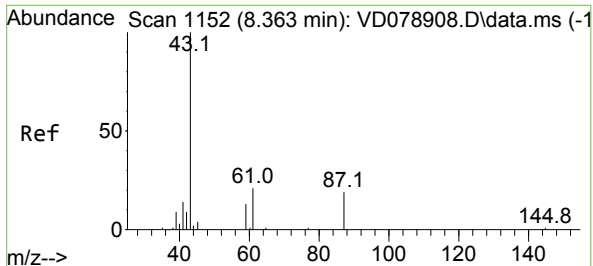
Tgt Ion: 41 Resp: 3176
Ion Ratio Lower Upper
41 100
39 12.1 41.4 62.0#
67 0.0 85.8 128.6#
52 1.9 30.4 45.6#



#42
1,2-Dichloroethane
Concen: 5.323 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 62 Resp: 6890
Ion Ratio Lower Upper
62 100
98 13.6 0.0 25.8

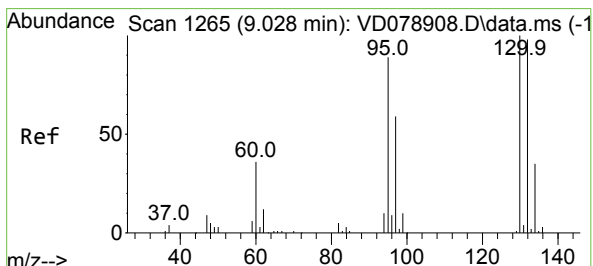
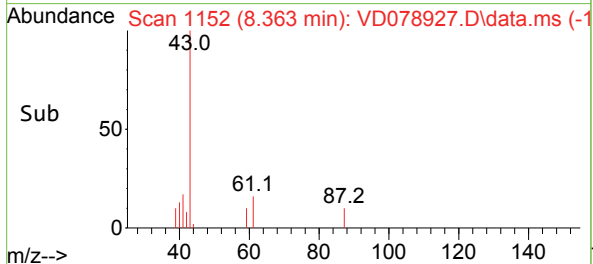
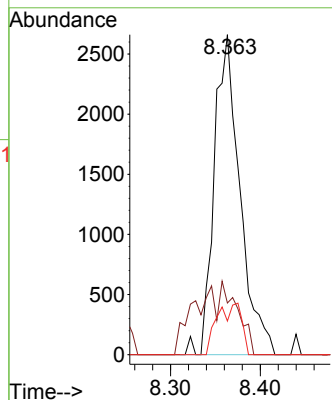
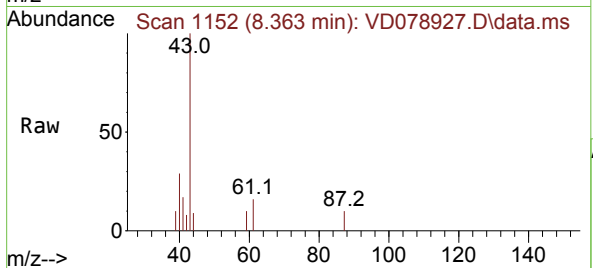




#43
Isopropyl Acetate
Concen: 5.304 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

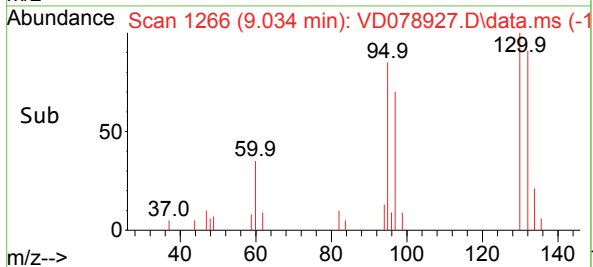
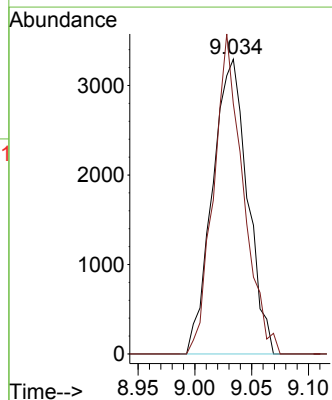
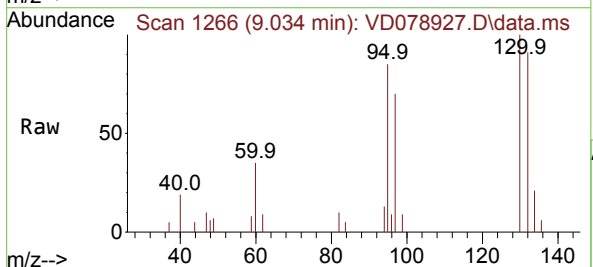
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2024

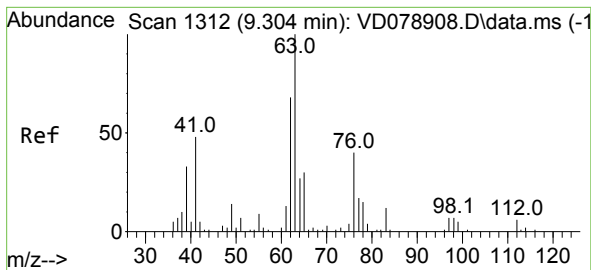
Tgt Ion: 43 Resp: 5302
Ion Ratio Lower Upper
43 100
61 0.0 29.3 43.9#
87 15.3 14.9 22.3



#44
Trichloroethene
Concen: 4.982 ug/l
RT: 9.034 min Scan# 1266
Delta R.T. 0.006 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion:130 Resp: 7066
Ion Ratio Lower Upper
130 100
95 84.9 0.0 177.8





#45

1,2-Dichloropropane

Concen: 5.314 ug/l

RT: 9.304 min Scan# 1312

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

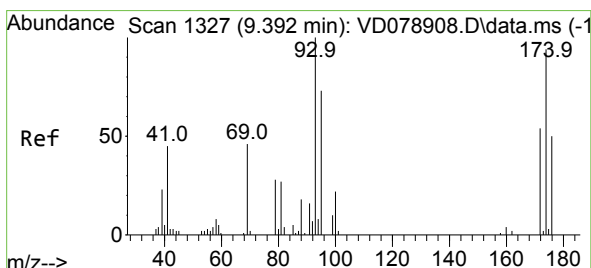
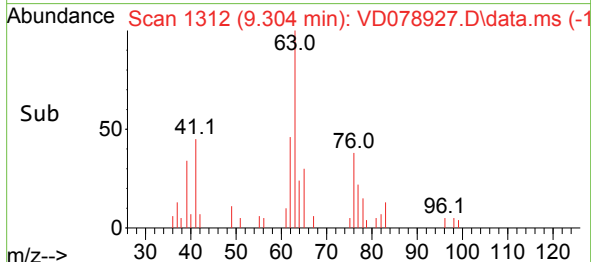
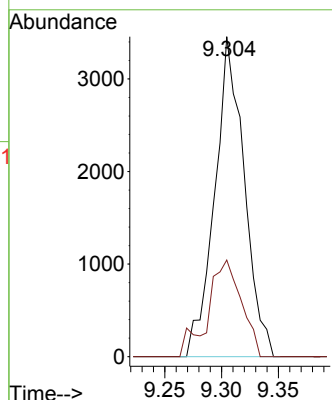
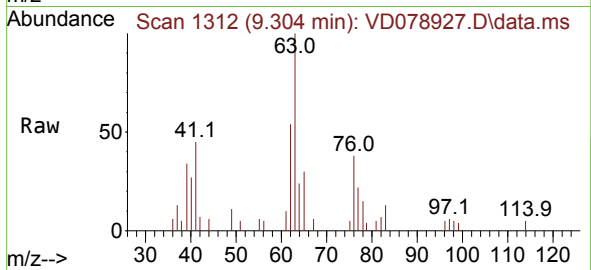
LOQ-SOIL-02-QT2-2024

Tgt Ion: 63 Resp: 6244

Ion Ratio Lower Upper

63 100

65 30.2 23.8 35.8



#46

Dibromomethane

Concen: 5.700 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

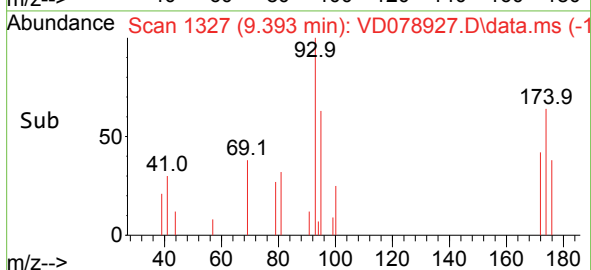
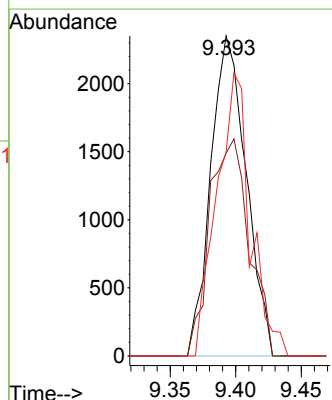
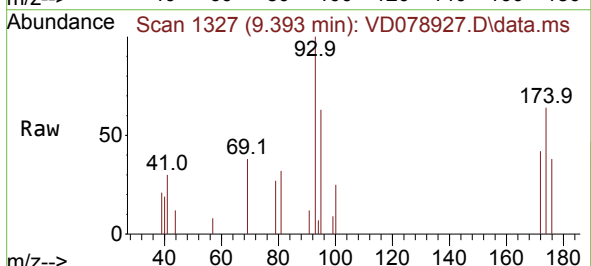
Tgt Ion: 93 Resp: 4409

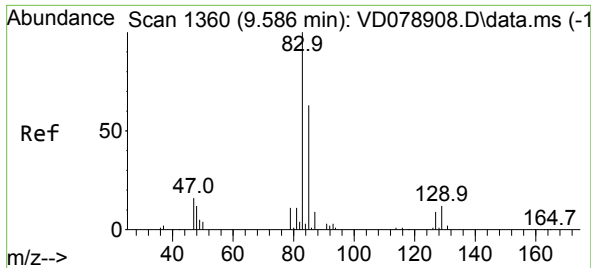
Ion Ratio Lower Upper

93 100

95 75.6 65.6 98.4

174 83.9 82.3 123.5

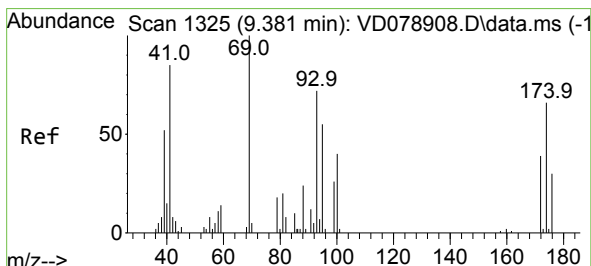
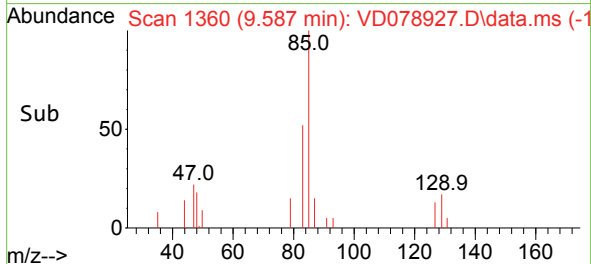
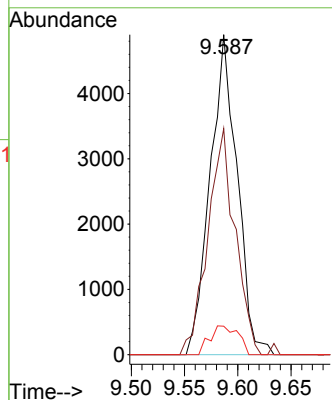
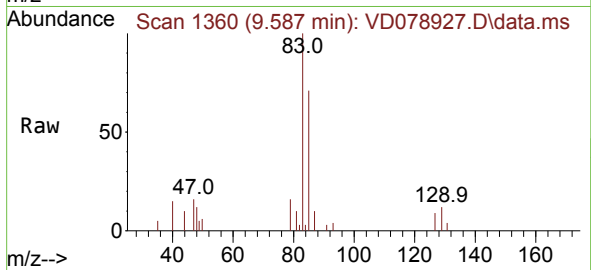




#47
Bromodichloromethane
Concen: 4.651 ug/l
RT: 9.587 min Scan# 1360
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

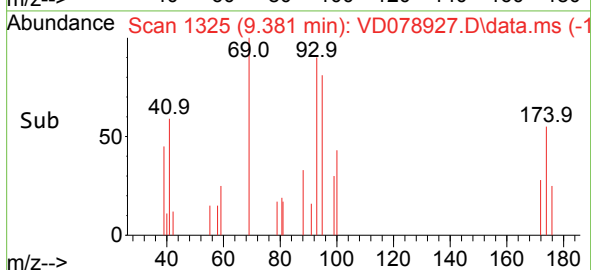
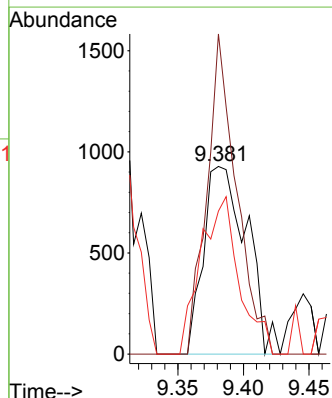
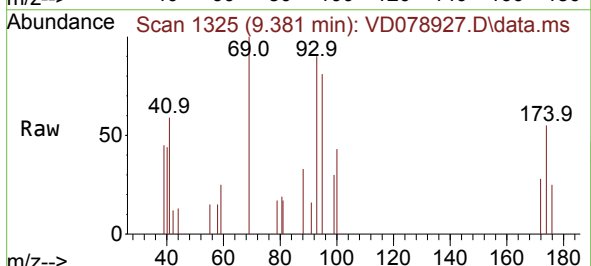
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

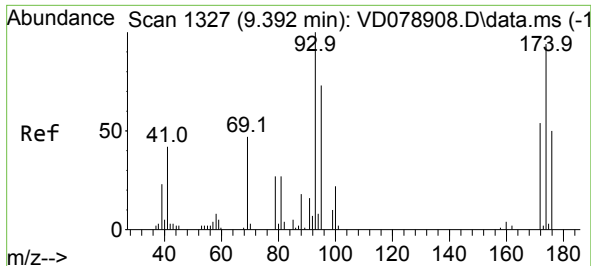
Tgt Ion: 83	Resp: 8661
Ion Ratio	Lower Upper
83 100	
85 70.7	50.1 75.1
127 8.9	6.8 10.2



#48
Methyl methacrylate
Concen: 4.373 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 41	Resp: 2128
Ion Ratio	Lower Upper
41 100	
69 117.3	96.7 145.1
39 74.5	43.8 65.6





#49

1,4-Dioxane

Concen: 85.093 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.011 min

Lab File: VD078927.D

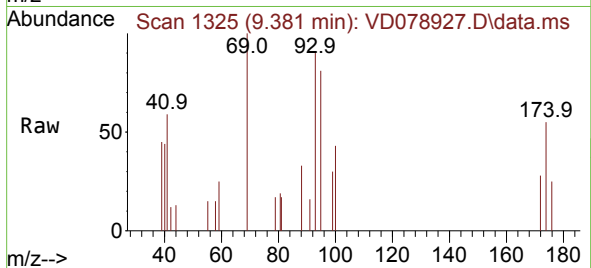
Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024



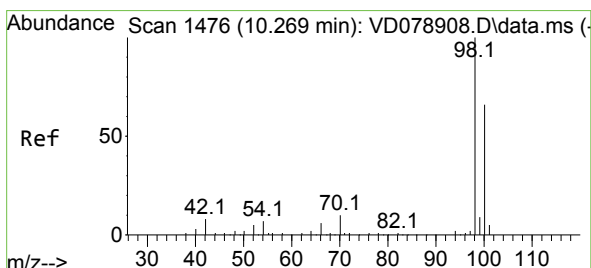
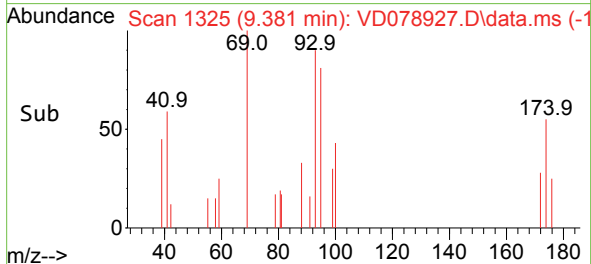
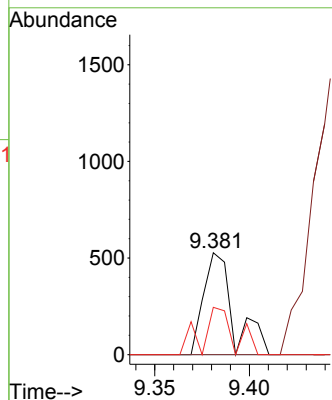
Tgt Ion: 88 Resp: 579

Ion Ratio Lower Upper

88 100

43 0.0 21.5 32.3#

58 48.9 42.2 63.4



#50

Toluene-d8

Concen: 48.201 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078927.D

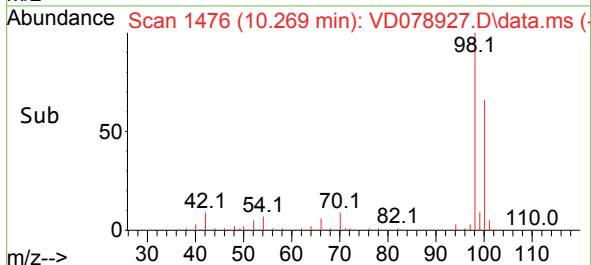
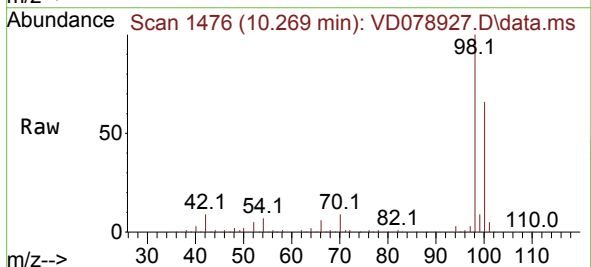
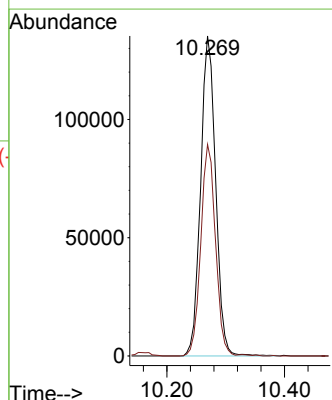
Acq: 15 May 2024 12:35

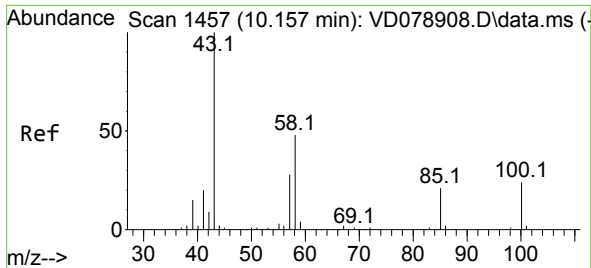
Tgt Ion: 98 Resp: 240063

Ion Ratio Lower Upper

98 100

100 64.6 51.6 77.4

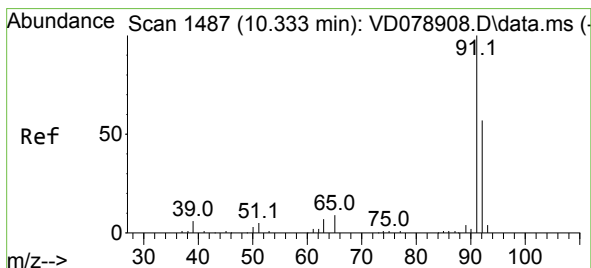
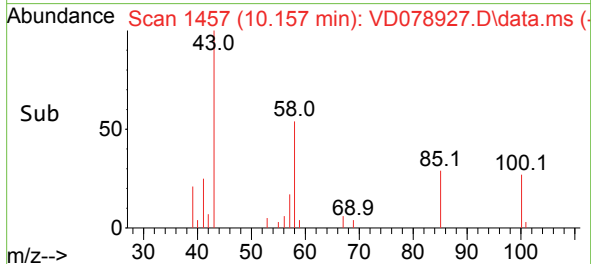
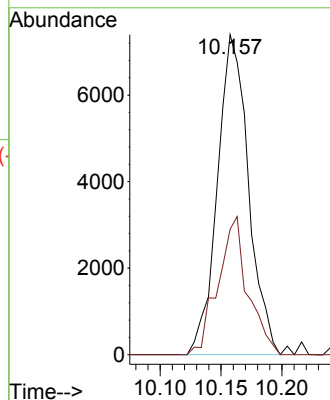
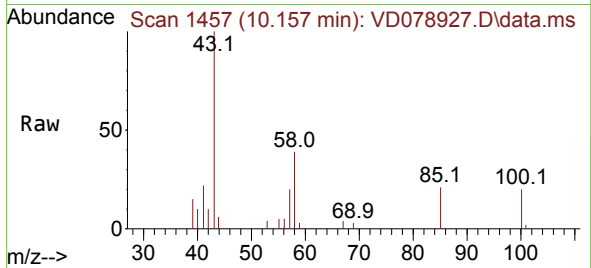




#51
4-Methyl-2-Pentanone
Concen: 24.683 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

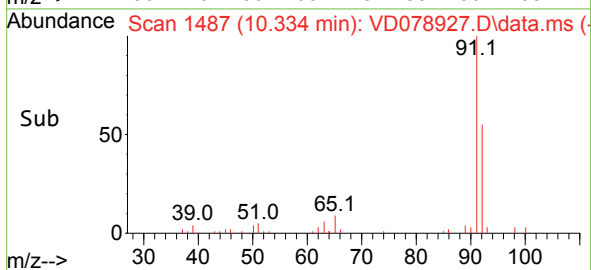
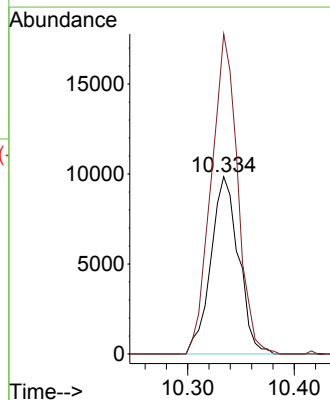
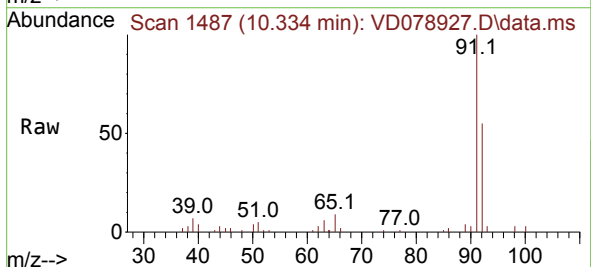
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2024

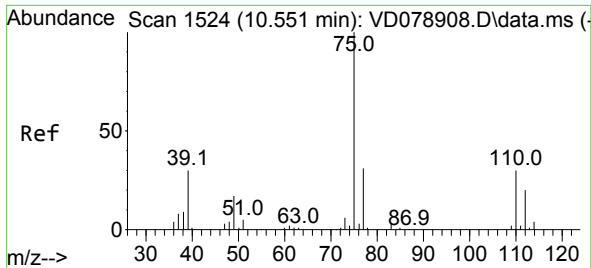
Tgt Ion: 43 Resp: 13143
Ion Ratio Lower Upper
43 100
58 41.5 36.6 55.0



#52
Toluene
Concen: 5.212 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 92 Resp: 17841
Ion Ratio Lower Upper
92 100
91 171.5 141.7 212.5

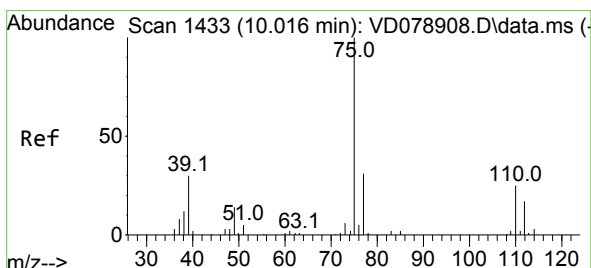
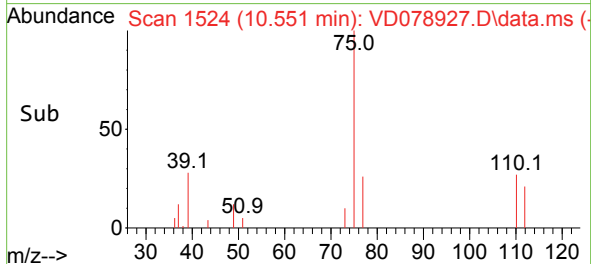
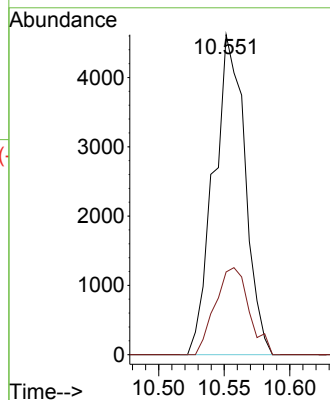
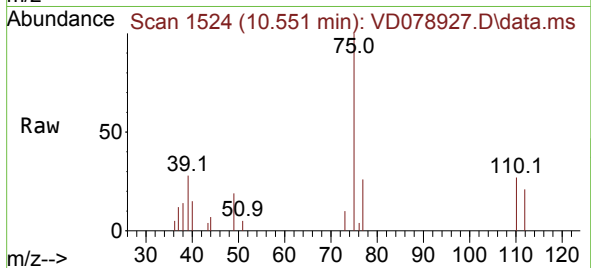




#53
 t-1,3-Dichloropropene
 Concen: 4.839 ug/l
 RT: 10.551 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD078927.D
 Acq: 15 May 2024 12:35

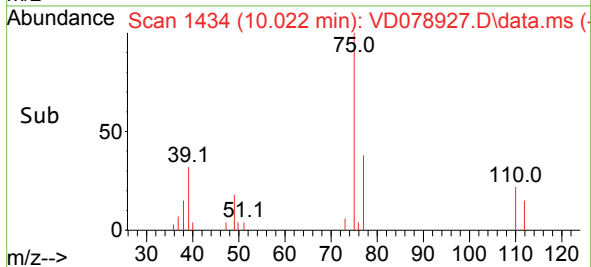
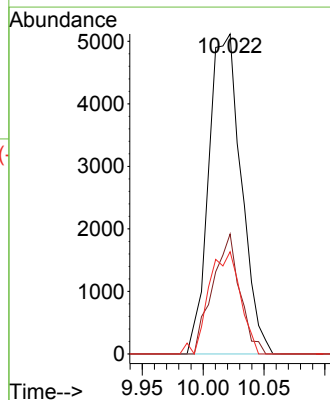
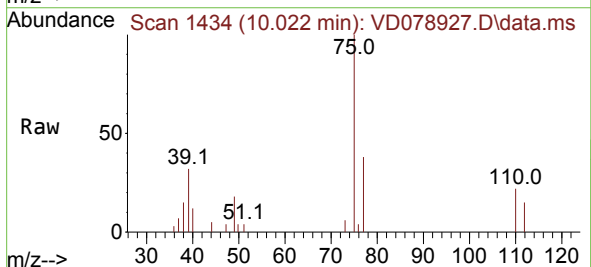
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2024

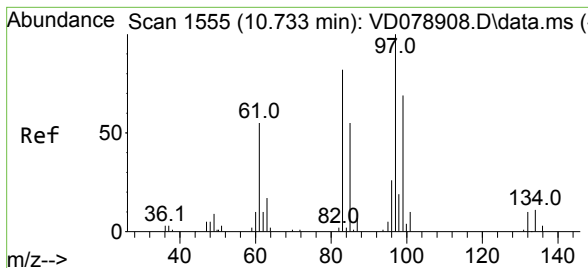
Tgt Ion: 75 Resp: 7657
 Ion Ratio Lower Upper
 75 100
 77 25.8 25.0 37.6



#54
 cis-1,3-Dichloropropene
 Concen: 5.004 ug/l
 RT: 10.022 min Scan# 1434
 Delta R.T. 0.006 min
 Lab File: VD078927.D
 Acq: 15 May 2024 12:35

Tgt Ion: 75 Resp: 9504
 Ion Ratio Lower Upper
 75 100
 77 37.5 24.4 36.6#
 39 31.9 24.2 36.2





#55

1,1,2-Trichloroethane

Concen: 5.266 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion: 97 Resp: 5263

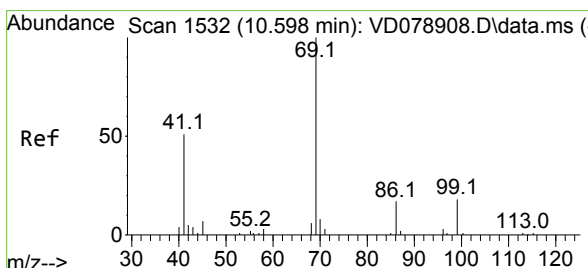
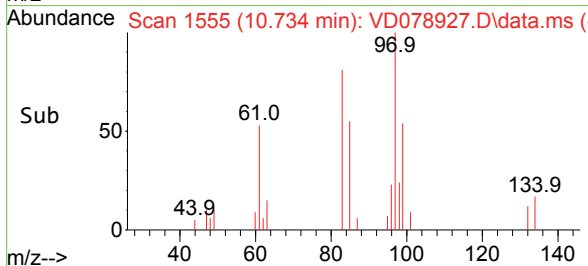
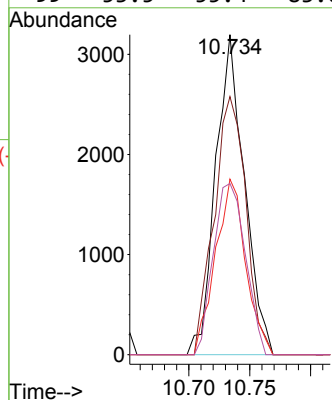
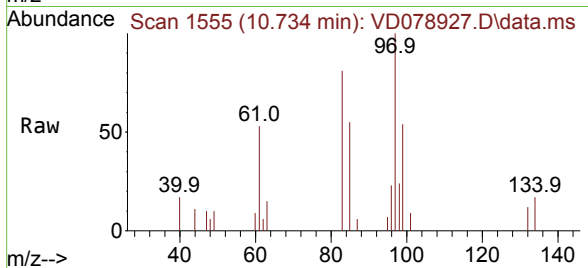
Ion Ratio Lower Upper

97 100

83 80.7 65.8 98.8

85 54.9 43.8 65.8

99 53.5 55.4 83.0#



#56

Ethyl methacrylate

Concen: 4.091 ug/l

RT: 10.599 min Scan# 1532

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

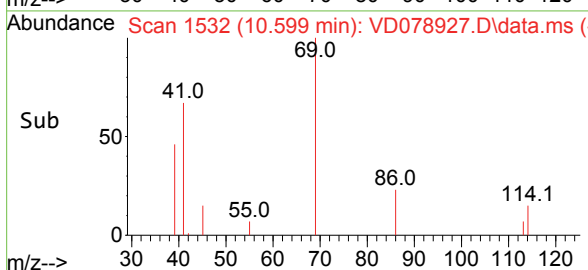
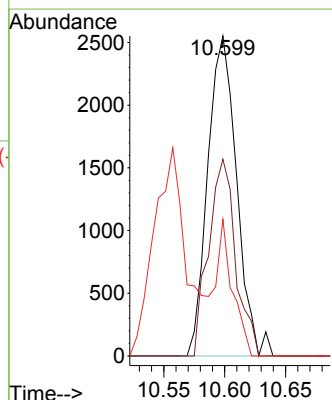
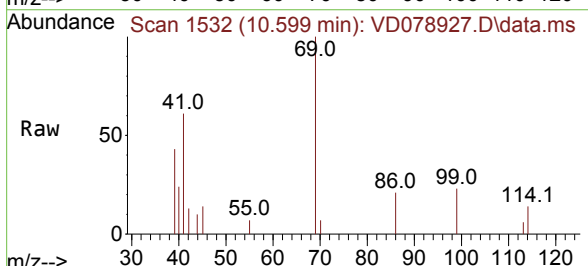
Tgt Ion: 69 Resp: 4206

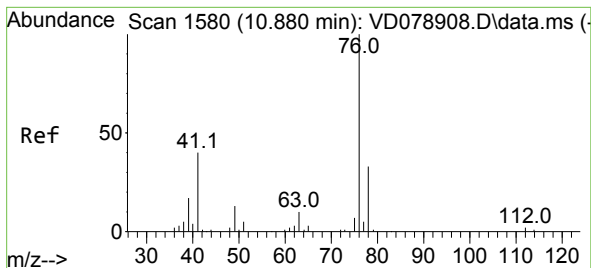
Ion Ratio Lower Upper

69 100

41 57.5 39.8 59.6

39 23.8 20.2 30.4





#57

1,3-Dichloropropane

Concen: 4.956 ug/l

RT: 10.881 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

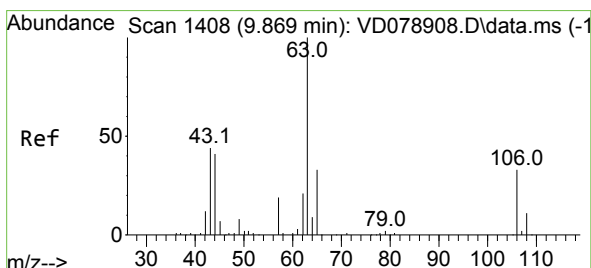
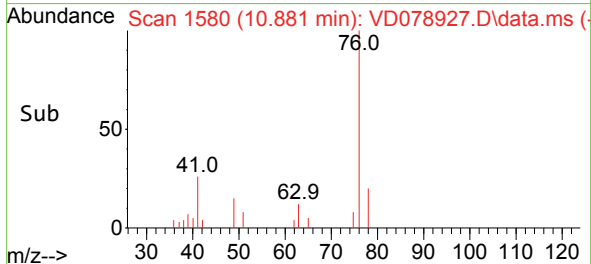
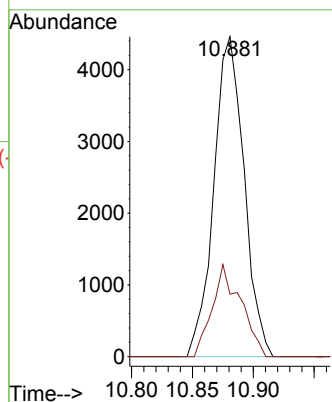
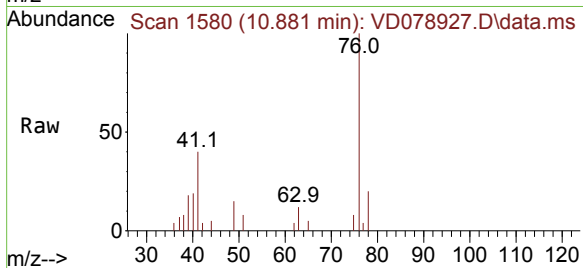
LOQ-SOIL-02-QT2-2024

Tgt Ion: 76 Resp: 7713

Ion Ratio Lower Upper

76 100

78 27.3 26.2 39.2



#58

2-Chloroethyl Vinyl ether

Concen: 25.422 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078927.D

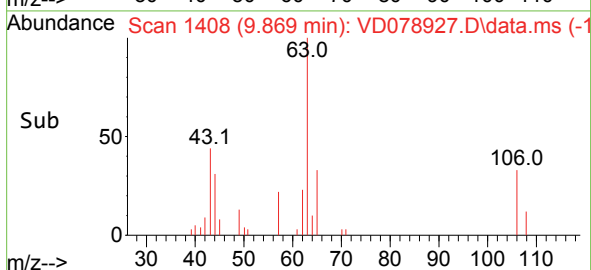
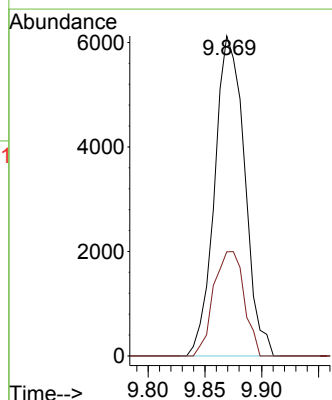
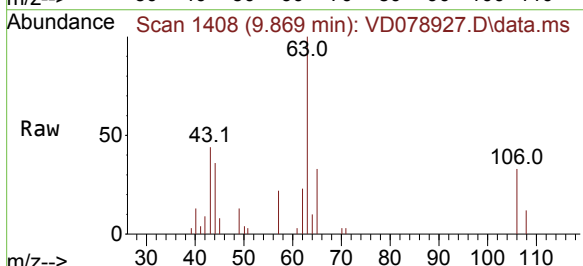
Acq: 15 May 2024 12:35

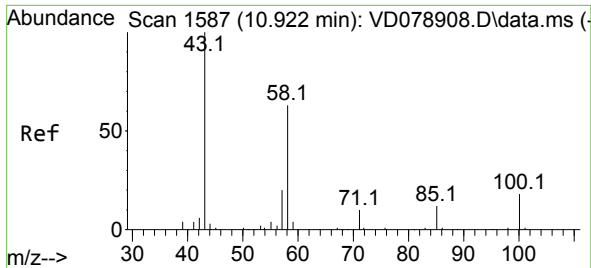
Tgt Ion: 63 Resp: 11231

Ion Ratio Lower Upper

63 100

106 33.0 26.4 39.6

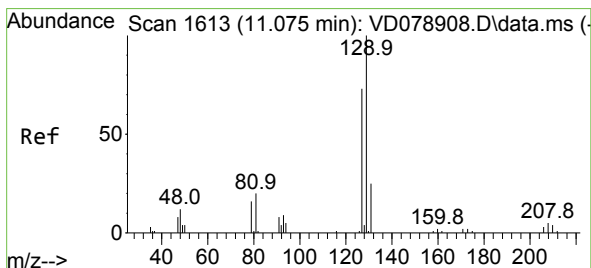
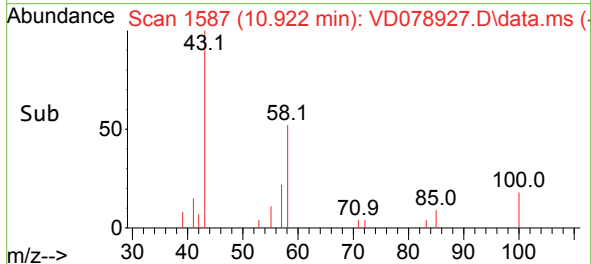
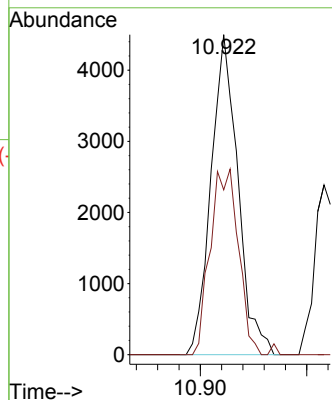
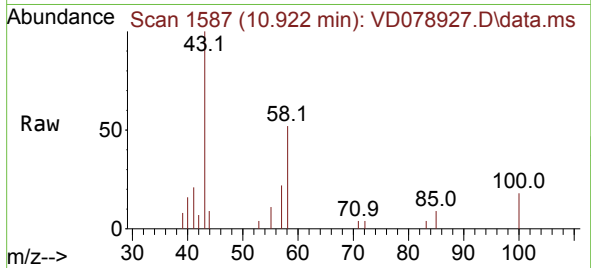




#59
2-Hexanone
Concen: 21.256 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

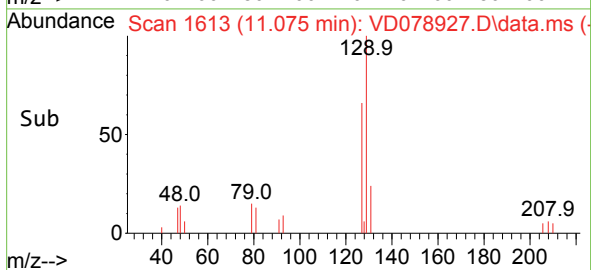
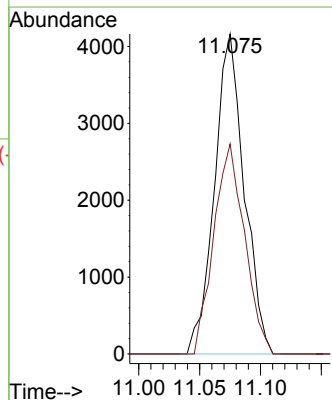
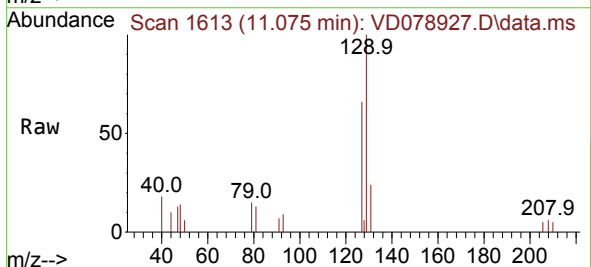
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

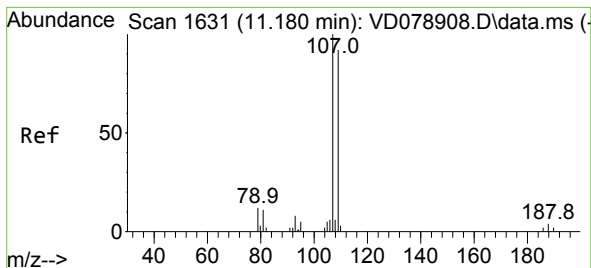
Tgt Ion: 43 Resp: 7878
Ion Ratio Lower Upper
43 100
58 60.9 31.1 93.5



#60
Dibromochloromethane
Concen: 5.195 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 129 Resp: 7078
Ion Ratio Lower Upper
129 100
127 67.9 38.0 113.9





#61

1,2-Dibromoethane

Concen: 5.217 ug/l

RT: 11.175 min Scan# 1

Delta R.T. -0.005 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

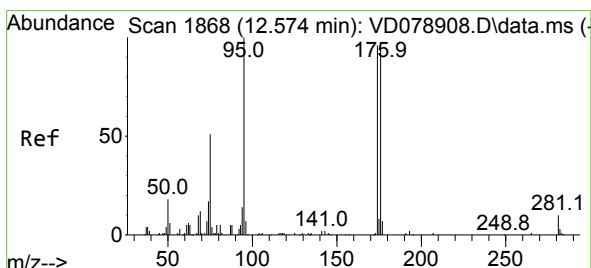
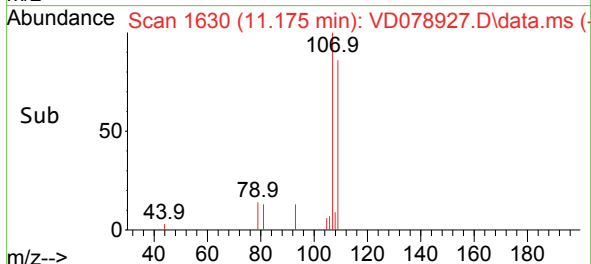
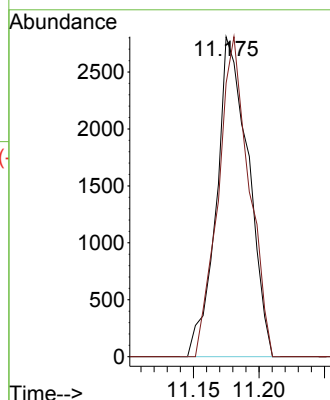
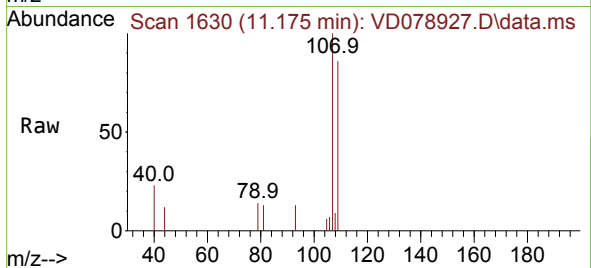
LOQ-SOIL-02-QT2-2024

Tgt Ion:107 Resp: 4754

Ion Ratio Lower Upper

107 100

109 96.5 72.0 108.0



#62

4-Bromofluorobenzene

Concen: 46.192 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

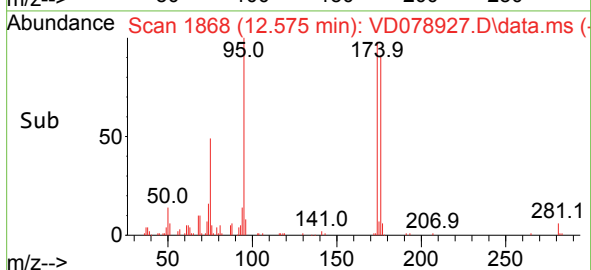
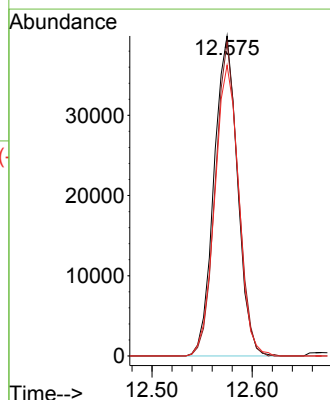
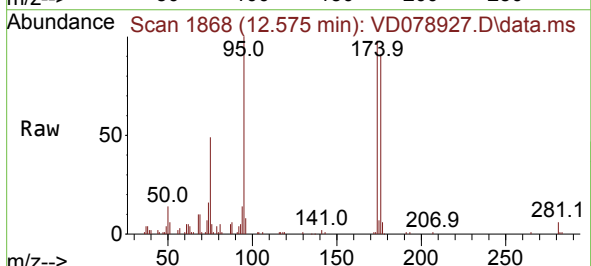
Tgt Ion: 95 Resp: 64629

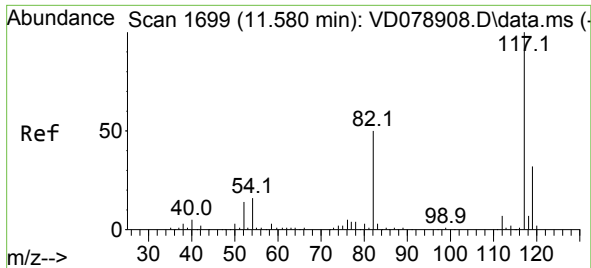
Ion Ratio Lower Upper

95 100

174 95.6 0.0 195.4

176 93.1 0.0 192.6

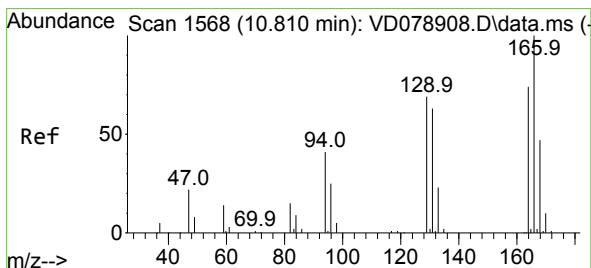
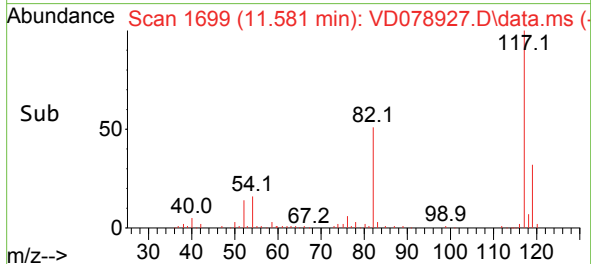
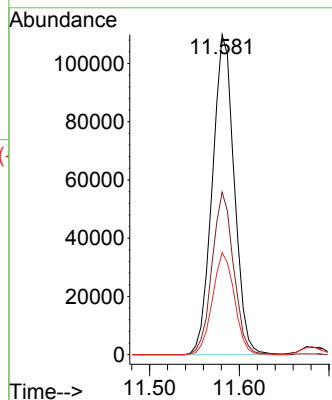
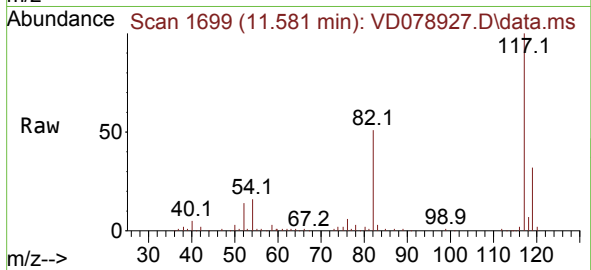




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

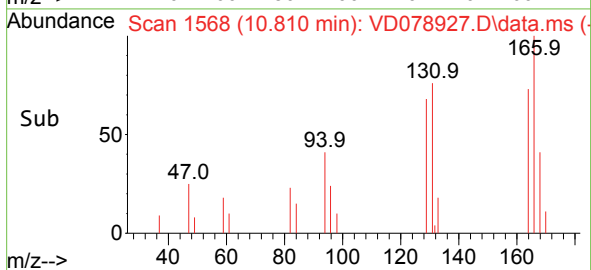
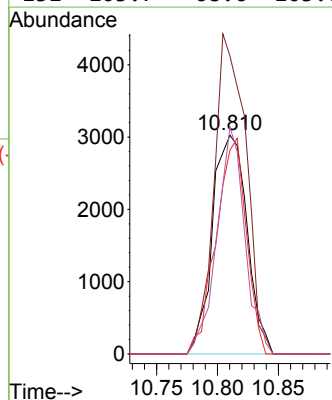
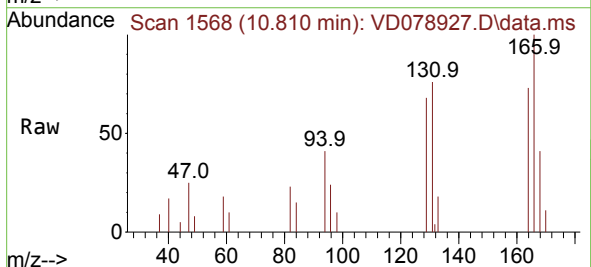
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

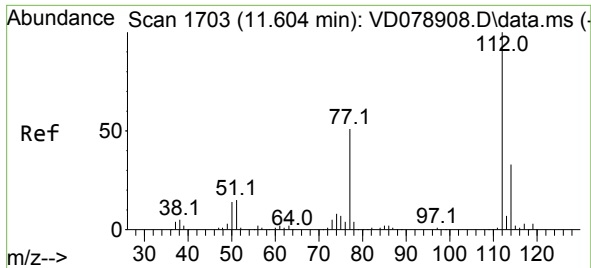
Tgt Ion:117 Resp: 186429
Ion Ratio Lower Upper
117 100
82 50.8 39.8 59.6
119 31.9 25.7 38.5



#64
Tetrachloroethene
Concen: 5.052 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion:164 Resp: 5975
Ion Ratio Lower Upper
164 100
166 136.2 108.6 163.0
129 93.2 74.6 112.0
131 103.7 68.6 103.0#

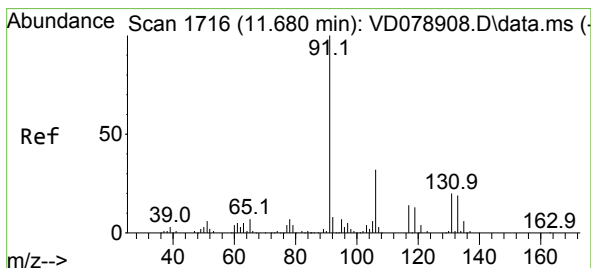
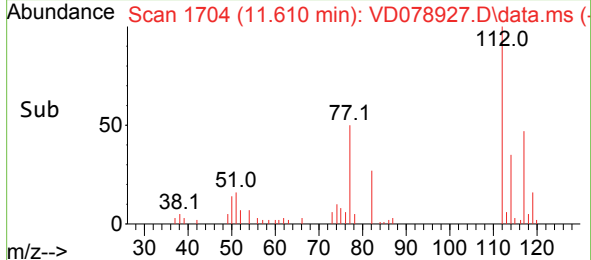
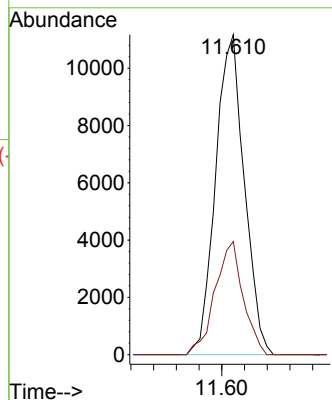
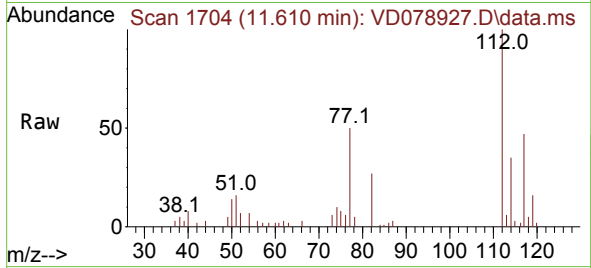




#65
Chlorobenzene
Concen: 5.054 ug/l
RT: 11.610 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

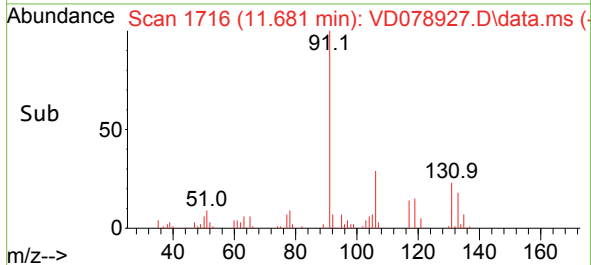
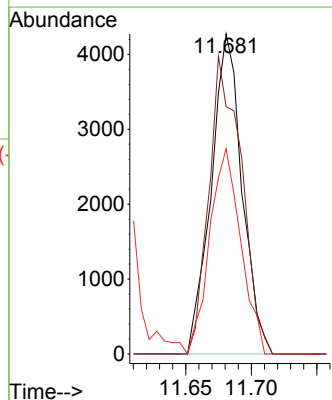
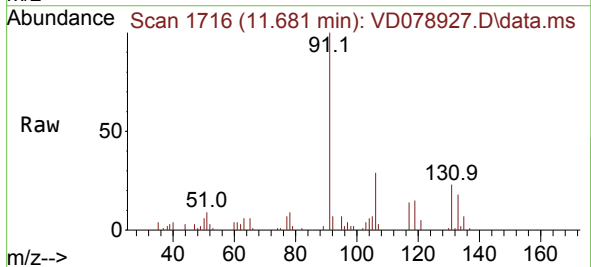
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

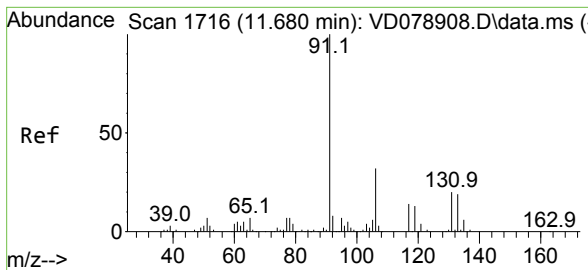
Tgt Ion:112 Resp: 19599
Ion Ratio Lower Upper
112 100
114 35.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 5.217 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion:131 Resp: 6994
Ion Ratio Lower Upper
131 100
133 98.0 49.2 147.6
119 64.5 33.4 100.2

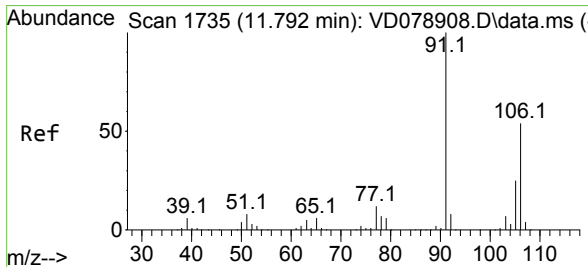
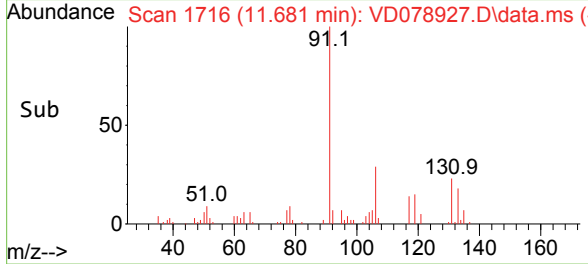
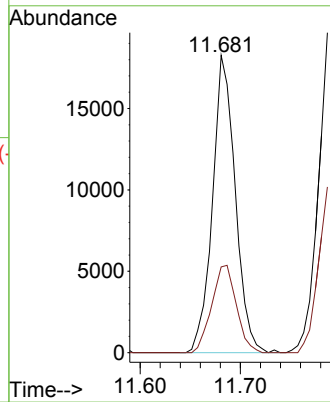
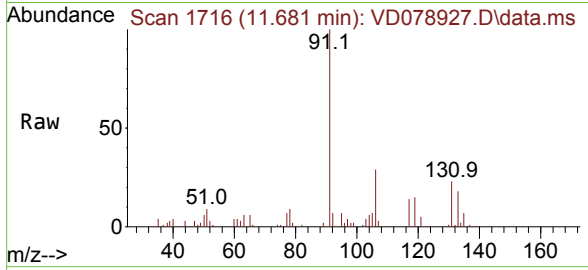




#67
Ethyl Benzene
Concen: 4.620 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

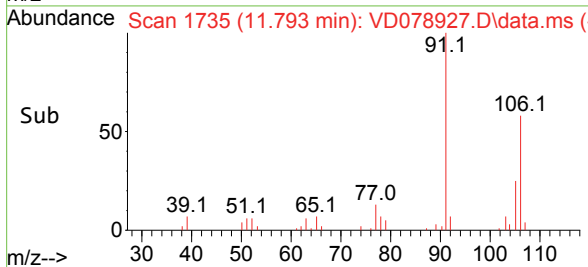
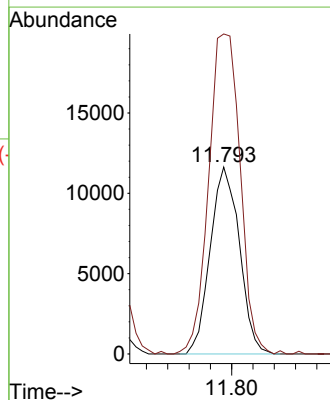
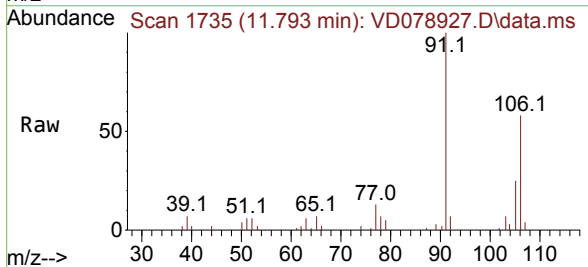
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

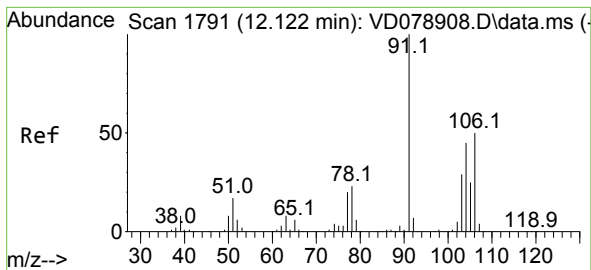
Tgt Ion: 91 Resp: 28817
Ion Ratio Lower Upper
91 100
106 28.9 25.8 38.6



#68
m/p-Xylenes
Concen: 8.717 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 106 Resp: 22104
Ion Ratio Lower Upper
106 100
91 185.1 148.5 222.7





#69

o-Xylene

Concen: 4.196 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

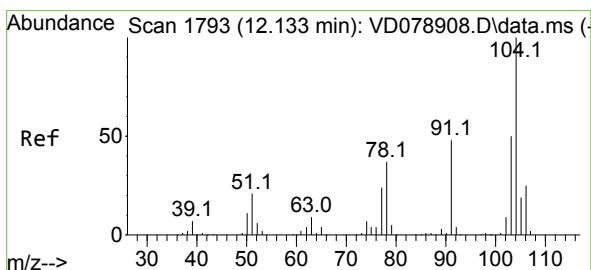
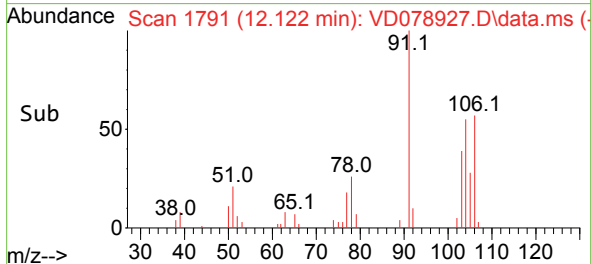
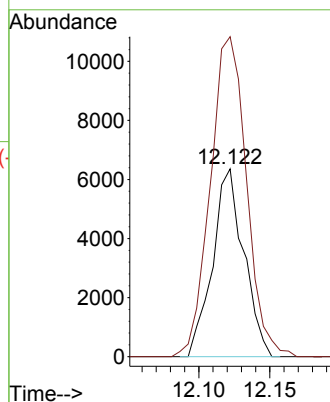
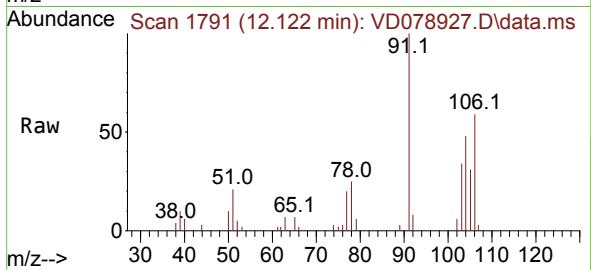
LOQ-SOIL-02-QT2-2024

Tgt Ion:106 Resp: 9700

Ion Ratio Lower Upper

106 100

91 197.8 96.7 290.1



#70

Styrene

Concen: 4.415 ug/l

RT: 12.140 min Scan# 1794

Delta R.T. 0.006 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

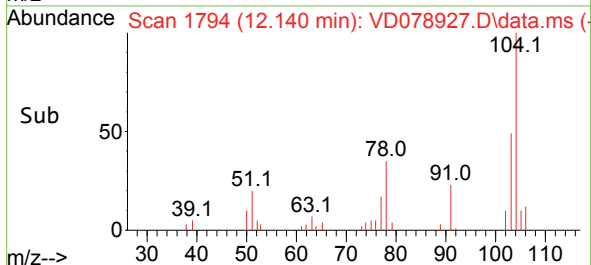
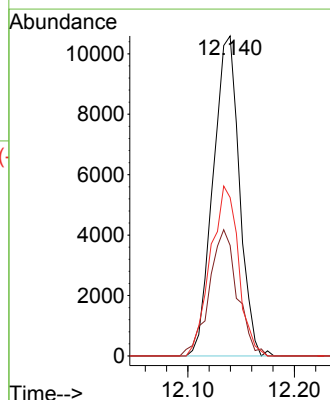
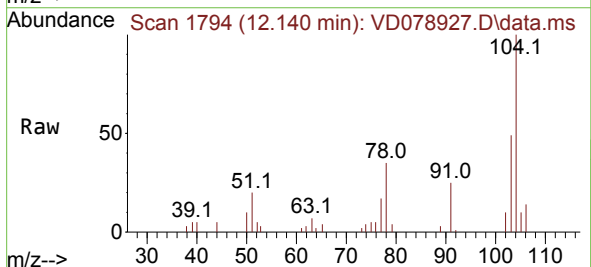
Tgt Ion:104 Resp: 18089

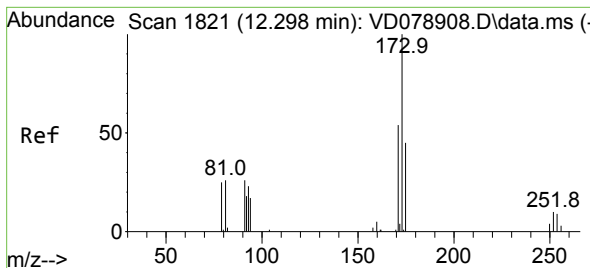
Ion Ratio Lower Upper

104 100

78 42.3 33.0 49.6

103 56.8 44.2 66.4





#71

Bromoform

Concen: 5.188 ug/l

RT: 12.293 min Scan# 1821

Delta R.T. -0.005 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

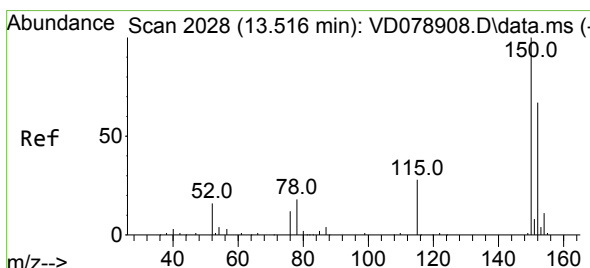
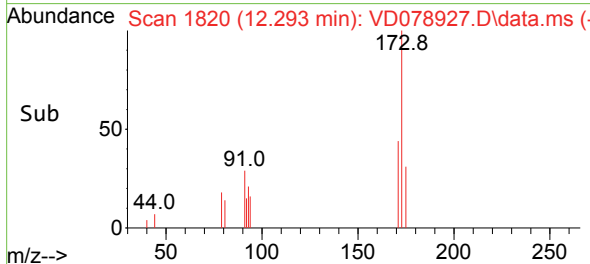
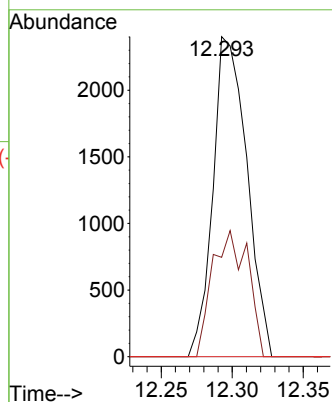
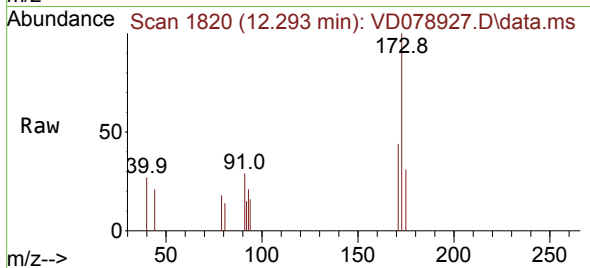
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:173	Resp:	3984
Ion Ratio	Lower	Upper
173	100	
175	41.3	23.7 71.1
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

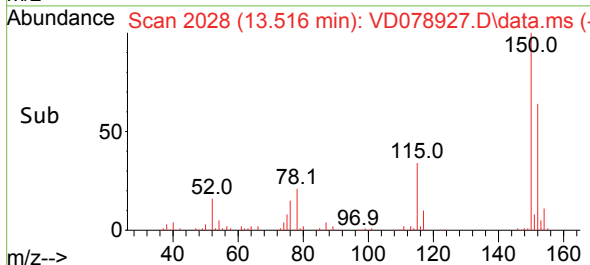
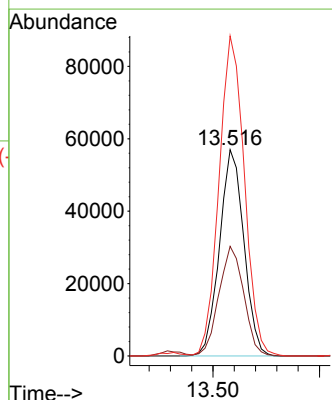
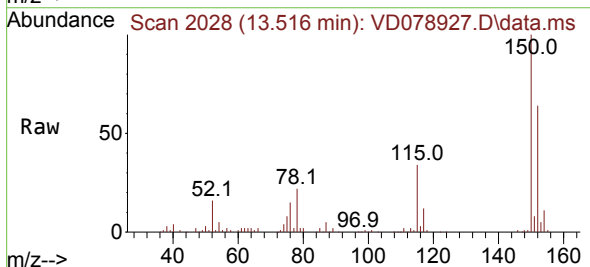
RT: 13.516 min Scan# 2028

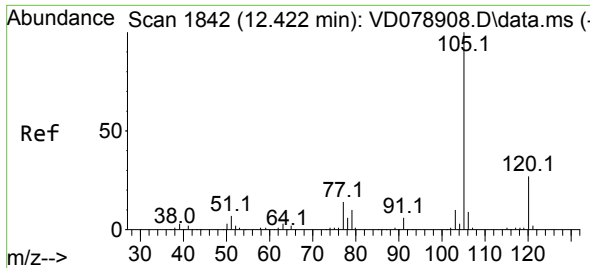
Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Tgt Ion:152	Resp:	90464
Ion Ratio	Lower	Upper
152	100	
115	54.2	26.5 79.5
150	161.3	0.0 341.6

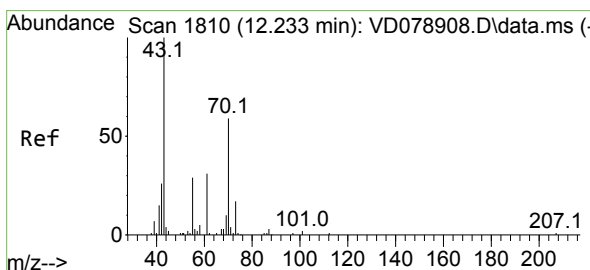
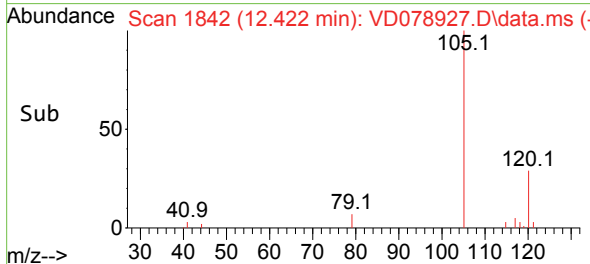
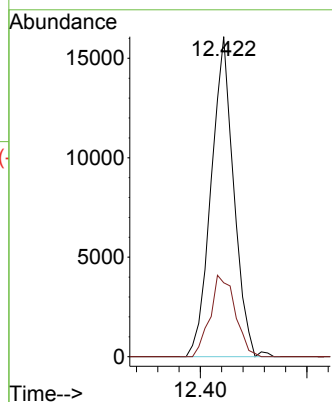
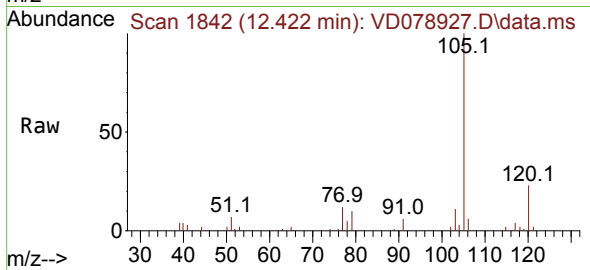




#73
Isopropylbenzene
Concen: 4.380 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

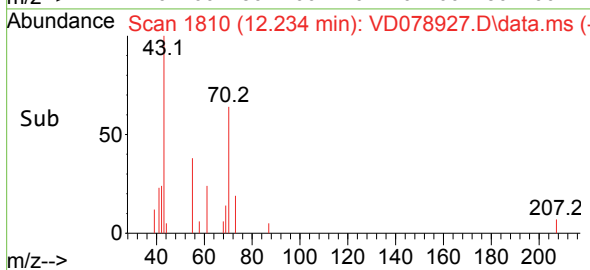
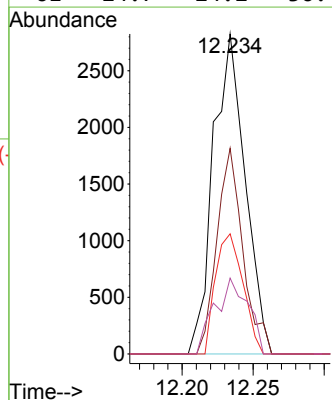
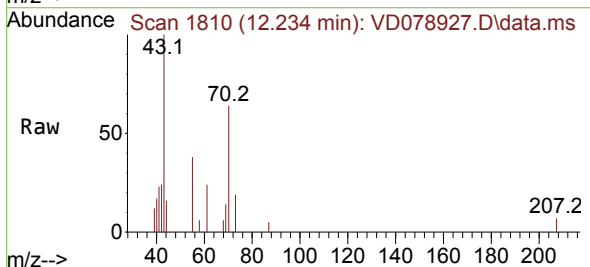
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2024

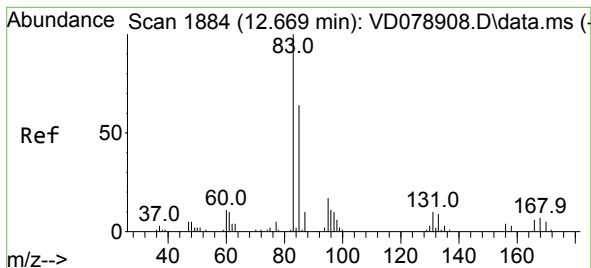
Tgt Ion:105 Resp: 23647
Ion Ratio Lower Upper
105 100
120 28.2 13.6 40.7



#74
N-ethyl acetate
Concen: 5.030 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 43 Resp: 4407
Ion Ratio Lower Upper
43 100
70 52.5 44.3 66.5
55 32.4 23.2 34.8
61 24.7 24.2 36.4





#75

1,1,2,2-Tetrachloroethane

Concen: 6.104 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024

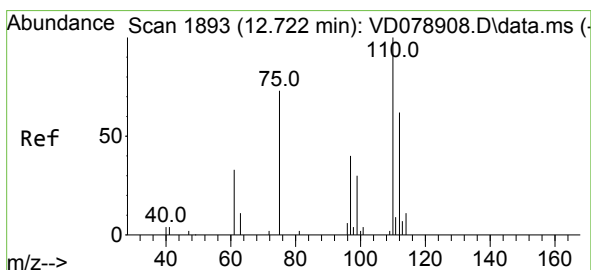
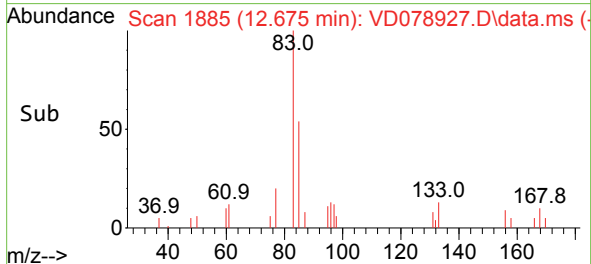
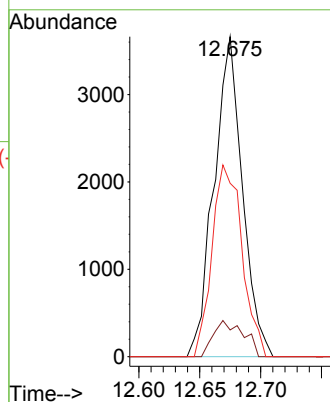
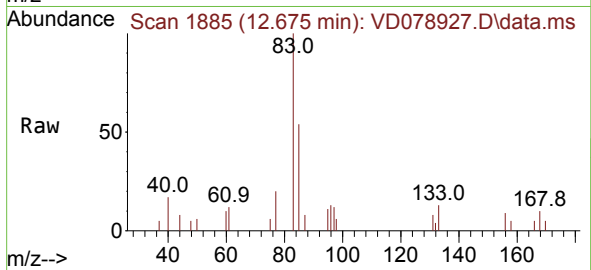
Tgt Ion: 83 Resp: 5945

Ion Ratio Lower Upper

83 100

131 11.9 5.5 16.5

85 63.1 33.8 101.3



#76

1,2,3-Trichloropropane

Concen: 10.665 ug/l

RT: 12.722 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VD078927.D

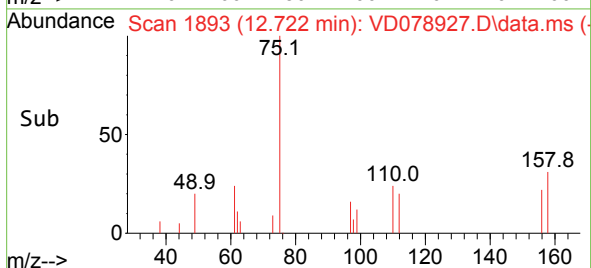
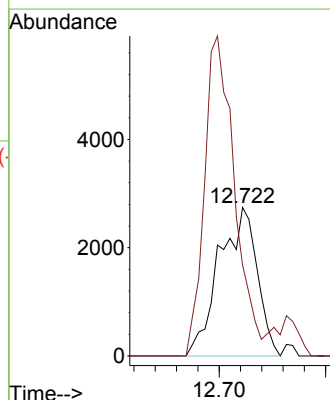
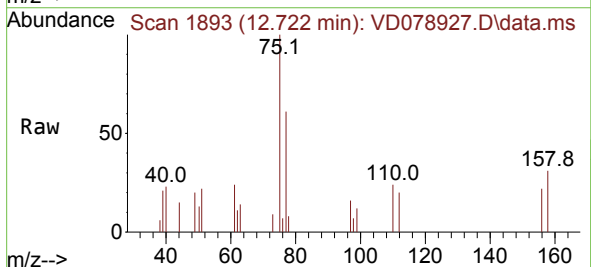
Acq: 15 May 2024 12:35

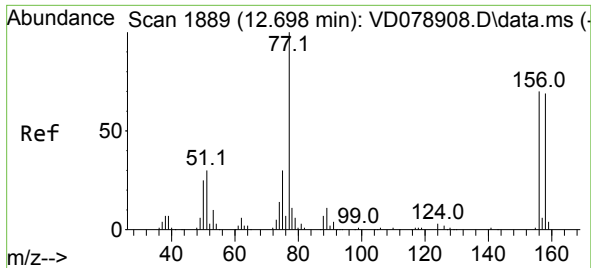
Tgt Ion: 75 Resp: 6792

Ion Ratio Lower Upper

75 100

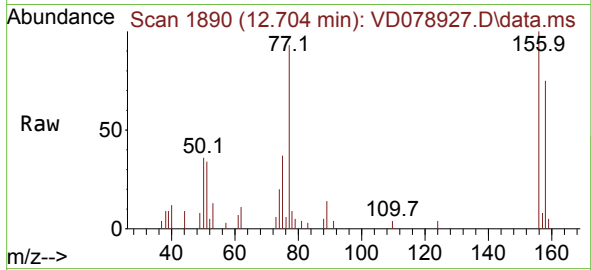
77 0.0 0.0 0.0



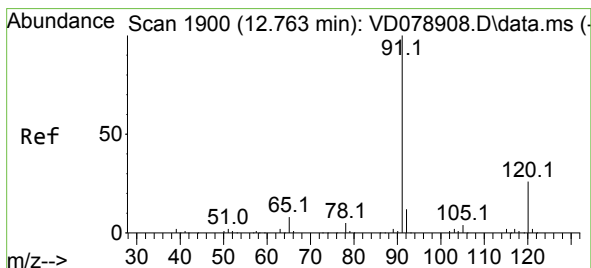
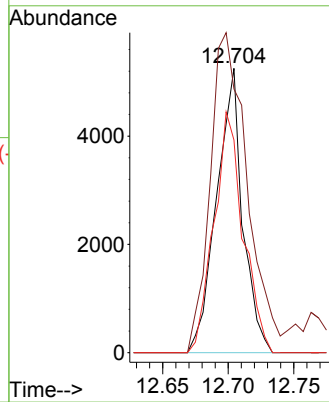
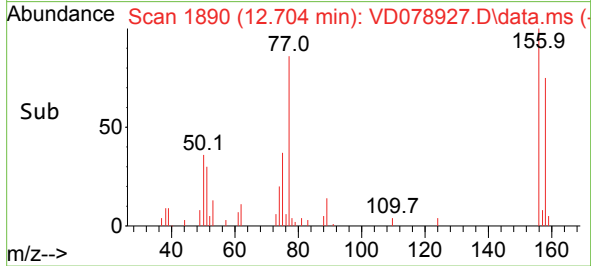


#77
Bromobenzene
Concen: 5.105 ug/l
RT: 12.704 min Scan# 1889
Delta R.T. 0.006 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

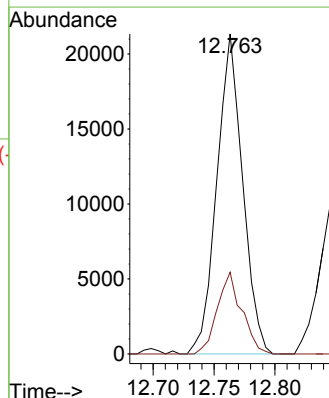
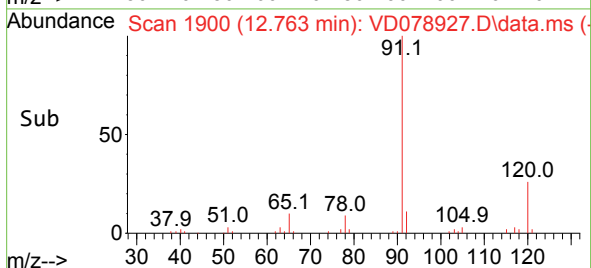
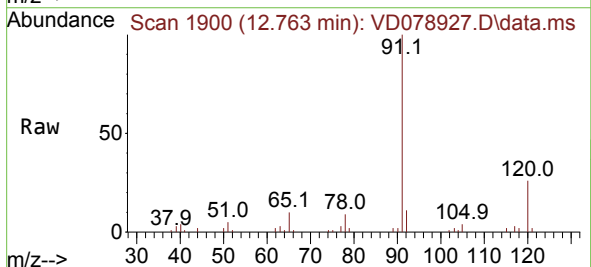


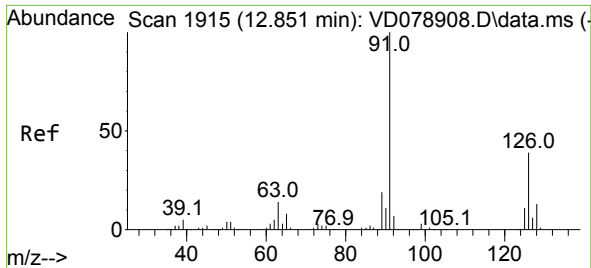
Tgt Ion:156 Resp: 7248
Ion Ratio Lower Upper
156 100
77 161.8 77.3 231.9
158 95.1 49.6 149.0



#78
n-propylbenzene
Concen: 4.814 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 91 Resp: 31414
Ion Ratio Lower Upper
91 100
120 24.2 12.3 36.8

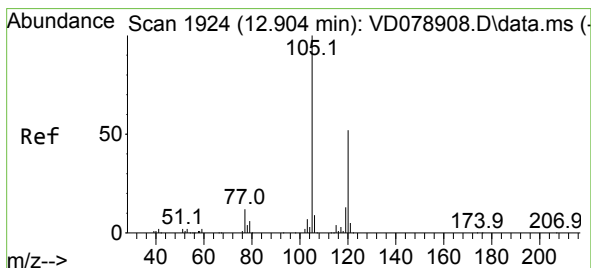
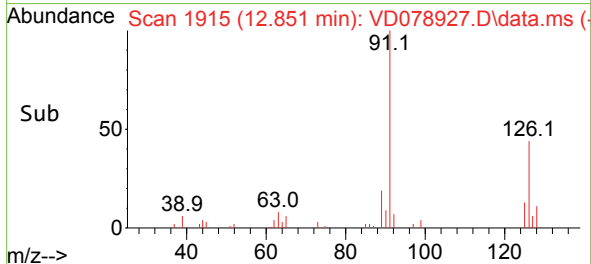
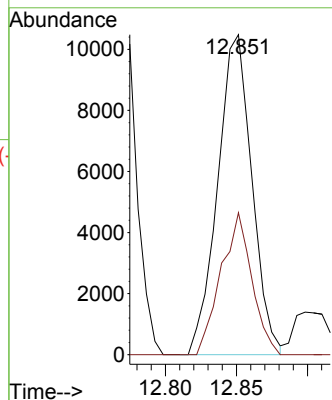
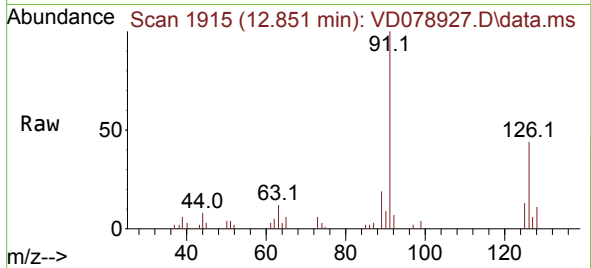




#79
2-Chlorotoluene
Concen: 4.846 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

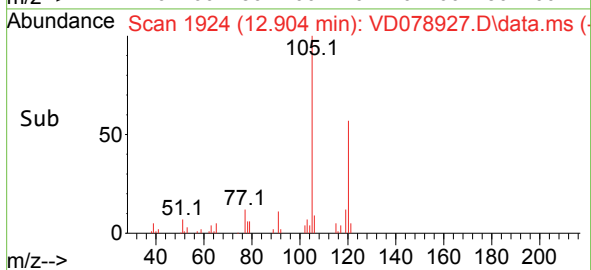
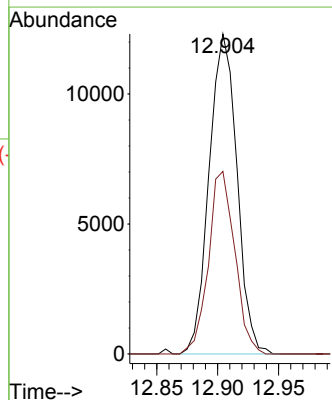
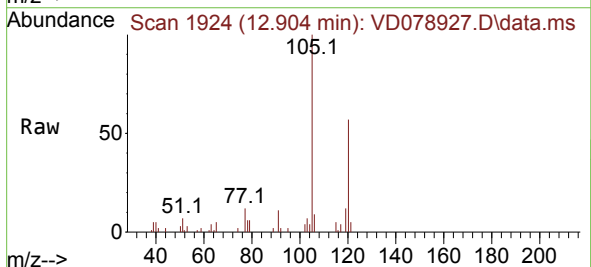
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

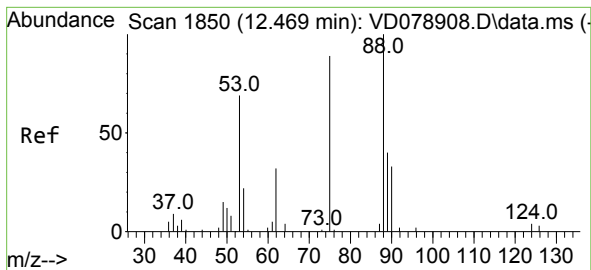
Tgt Ion: 91 Resp: 17577
Ion Ratio Lower Upper
91 100
126 40.0 19.3 57.8



#80
1,3,5-Trimethylbenzene
Concen: 4.367 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 105 Resp: 19590
Ion Ratio Lower Upper
105 100
120 54.1 25.7 77.1

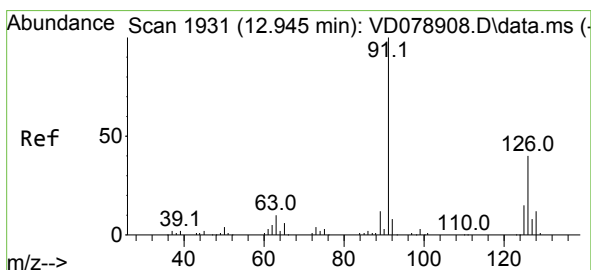
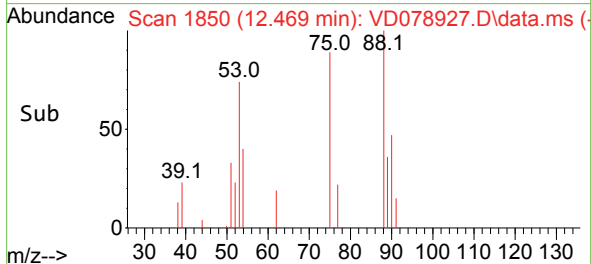
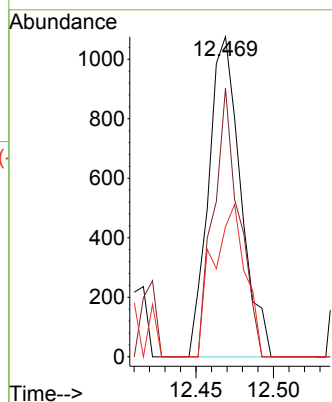
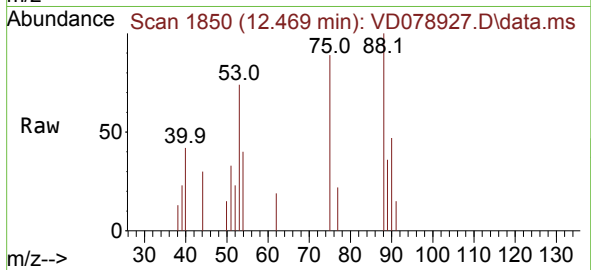




#81
trans-1,4-Dichloro-2-butene
Concen: 4.814 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

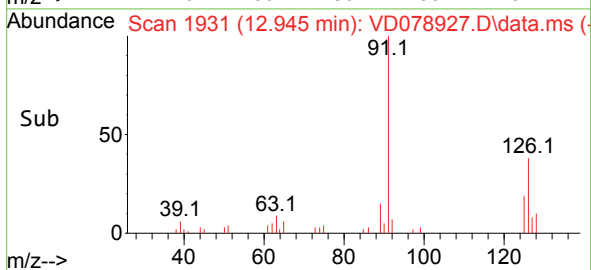
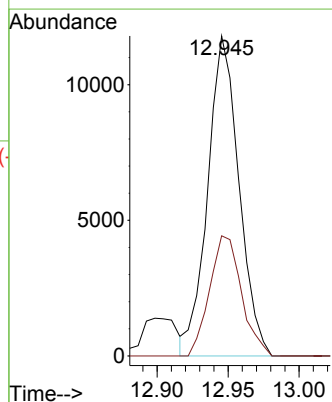
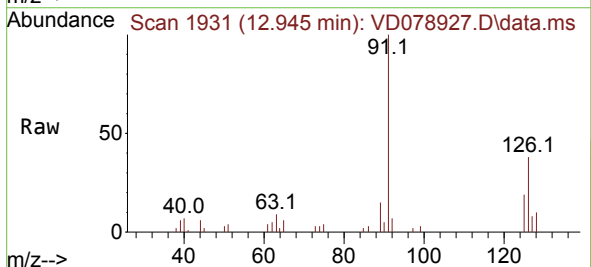
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2024

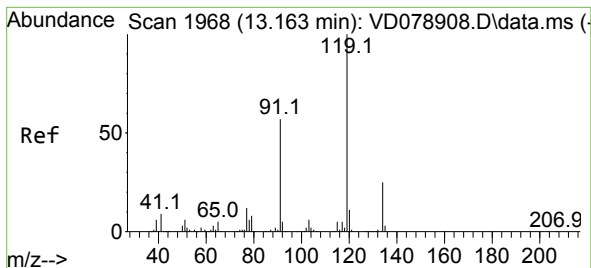
Tgt Ion:	75	Resp:	1546
Ion	Ratio	Lower	Upper
75	100		
53	67.1	61.4	92.2
89	48.3	35.4	53.0



#82
4-Chlorotoluene
Concen: 4.741 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion:	91	Resp:	18040
Ion	Ratio	Lower	Upper
91	100		
126	38.3	18.9	56.9





#83

tert-Butylbenzene

Concen: 4.464 ug/l

RT: 13.169 min Scan# 1968

Delta R.T. 0.006 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024

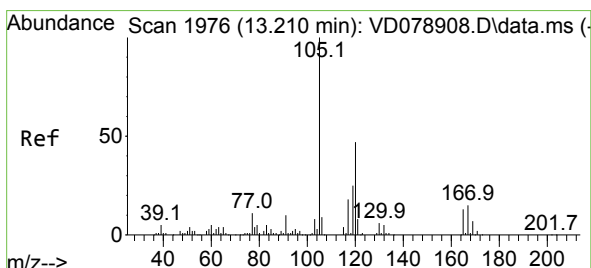
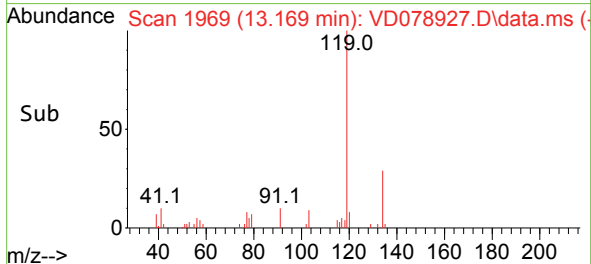
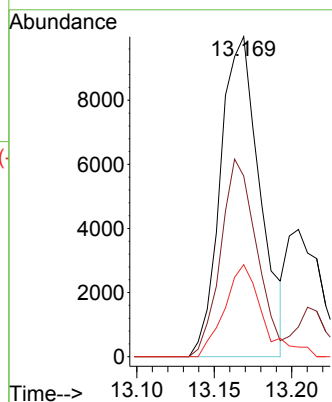
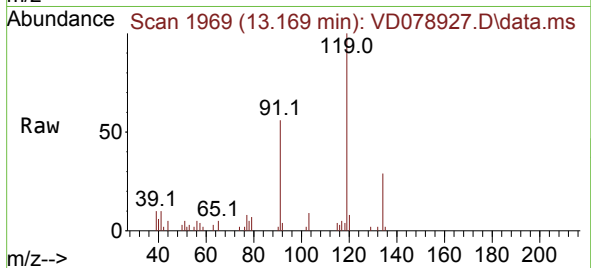
Tgt Ion:119 Resp: 17711

Ion Ratio Lower Upper

119 100

91 56.2 28.2 84.7

134 27.6 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 4.166 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. 0.000 min

Lab File: VD078927.D

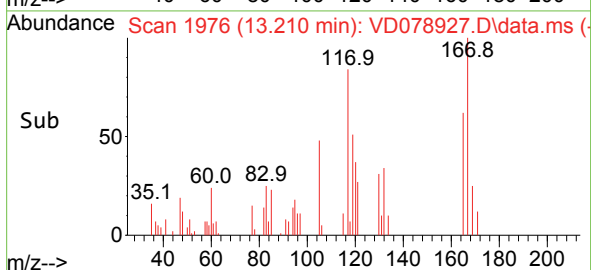
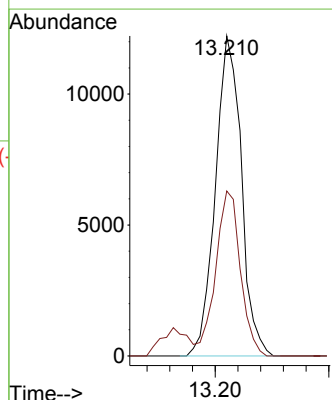
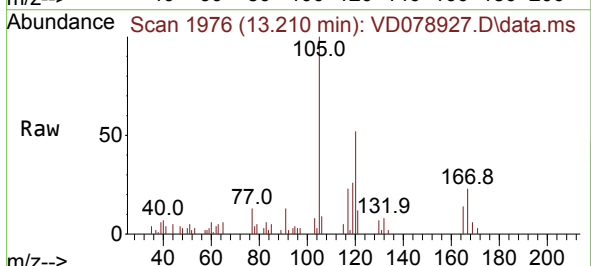
Acq: 15 May 2024 12:35

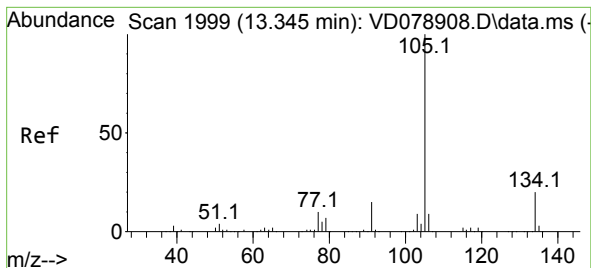
Tgt Ion:105 Resp: 19359

Ion Ratio Lower Upper

105 100

120 49.3 23.6 71.0





#85

sec-Butylbenzene

Concen: 4.184 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

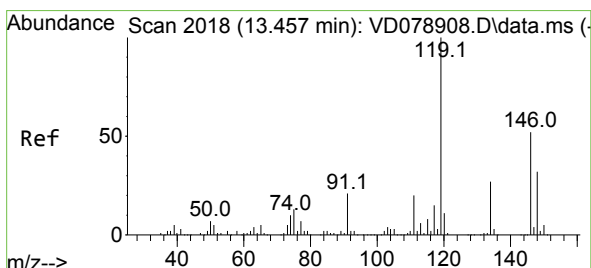
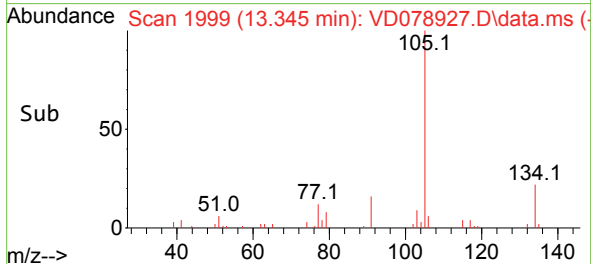
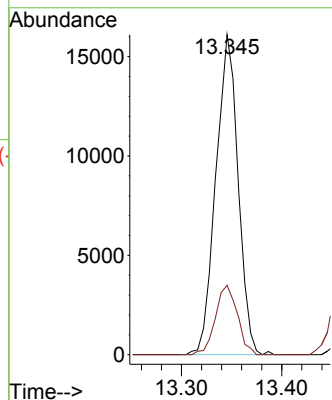
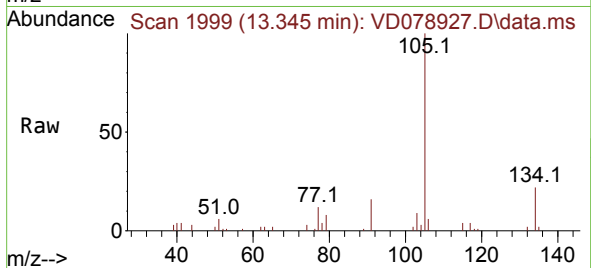
LOQ-SOIL-02-QT2-2024

Tgt Ion:105 Resp: 24759

Ion Ratio Lower Upper

105 100

134 21.4 10.3 30.8



#86

p-Isopropyltoluene

Concen: 4.051 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

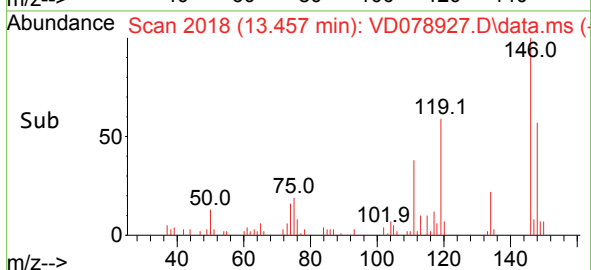
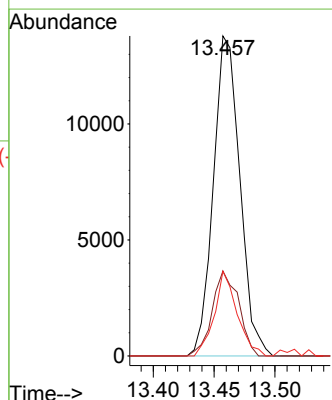
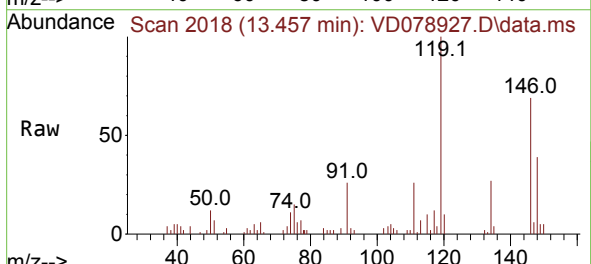
Tgt Ion:119 Resp: 20889

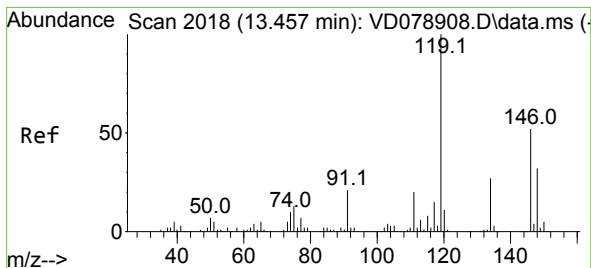
Ion Ratio Lower Upper

119 100

134 26.4 13.7 41.1

91 22.8 10.7 32.1





#87

1,3-Dichlorobenzene

Concen: 4.857 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024

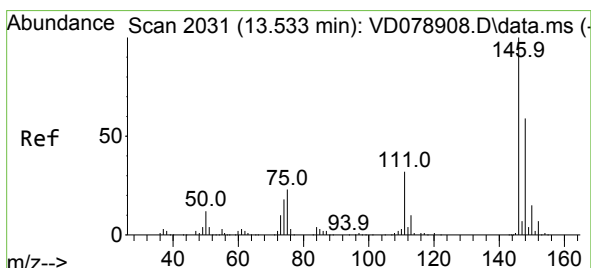
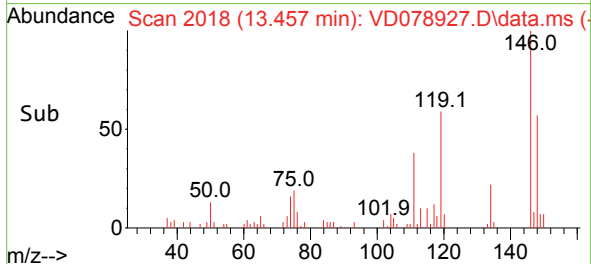
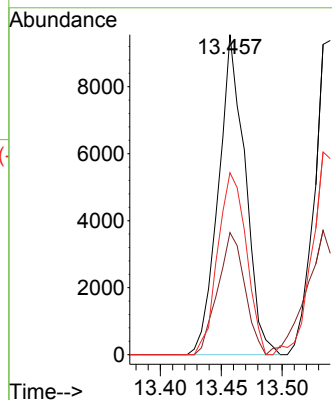
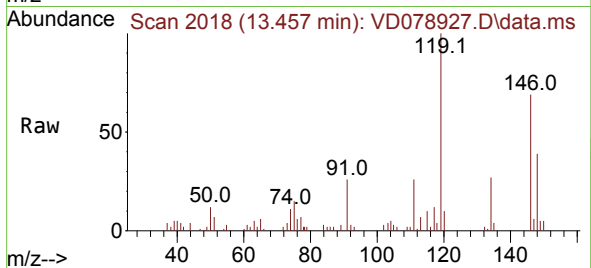
Tgt Ion:146 Resp: 14593

Ion Ratio Lower Upper

146 100

111 38.4 18.5 55.5

148 60.6 30.9 92.8



#88

1,4-Dichlorobenzene

Concen: 5.100 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. 0.006 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

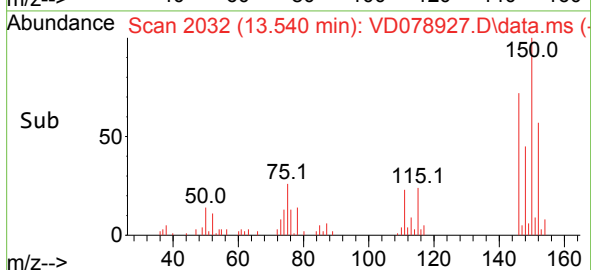
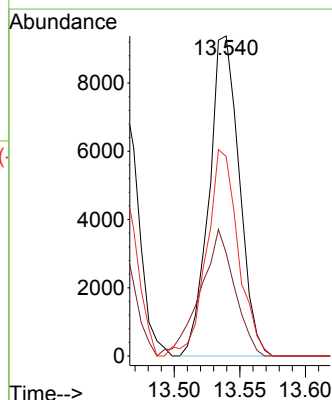
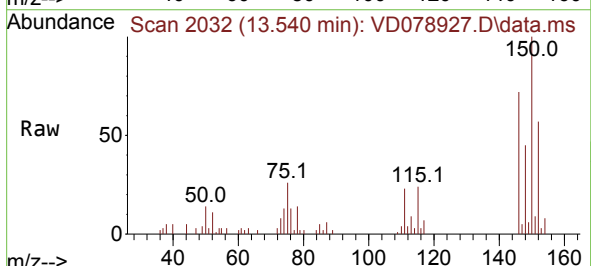
Tgt Ion:146 Resp: 15007

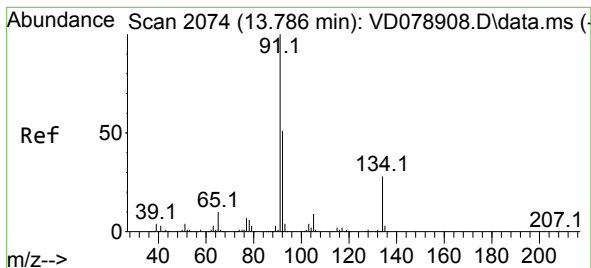
Ion Ratio Lower Upper

146 100

111 44.8 17.5 52.6

148 67.6 31.4 94.2





#89

n-Butylbenzene

Concen: 4.292 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

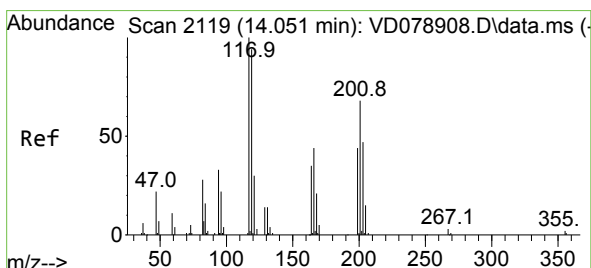
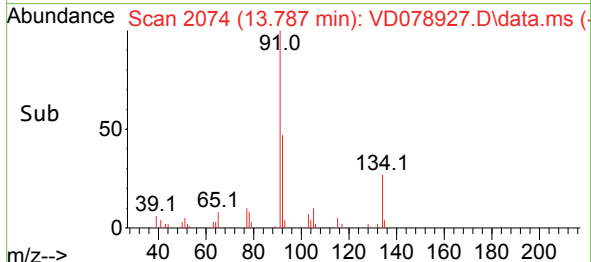
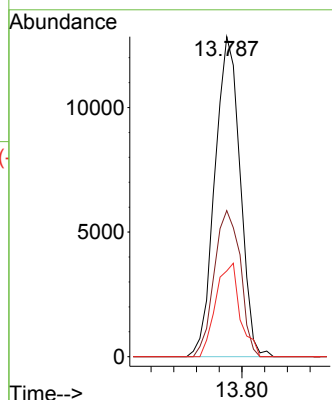
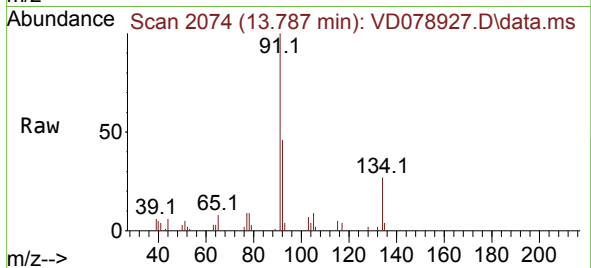
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:	91	Resp:	19828
Ion	Ratio	Lower	Upper
91	100		
92	47.2	25.7	77.0
134	28.1	13.6	40.8



#90

Hexachloroethane

Concen: 5.038 ug/l

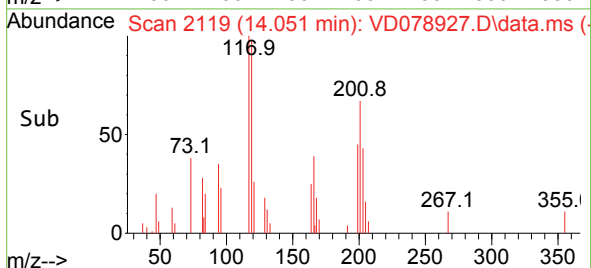
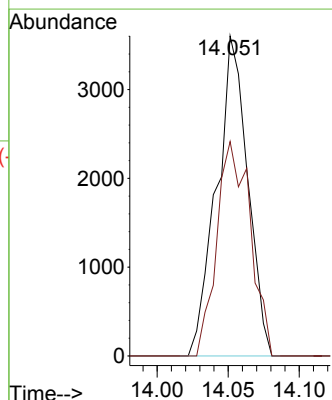
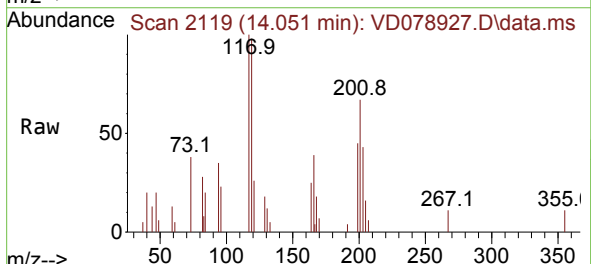
RT: 14.051 min Scan# 2119

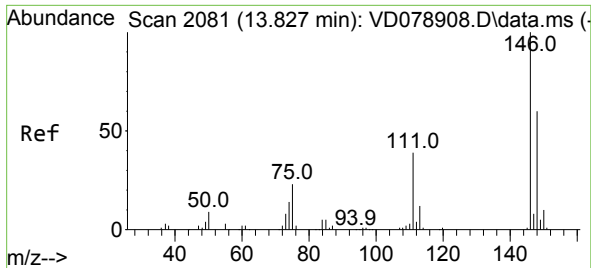
Delta R.T. 0.000 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Tgt Ion:	117	Resp:	5479
Ion	Ratio	Lower	Upper
117	100		
201	72.0	36.3	108.9

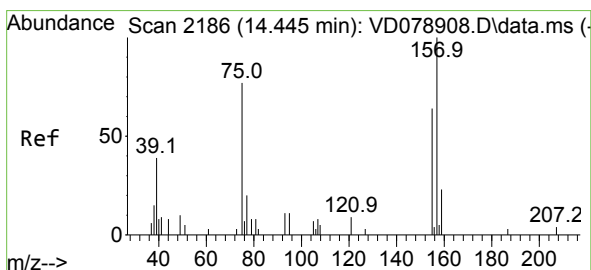
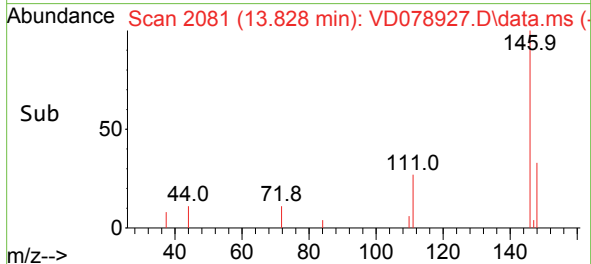
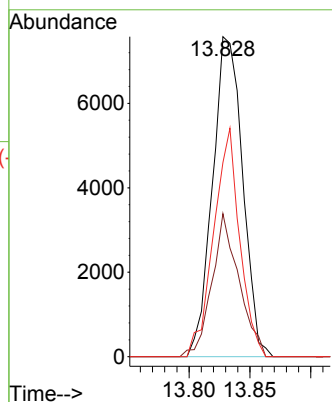
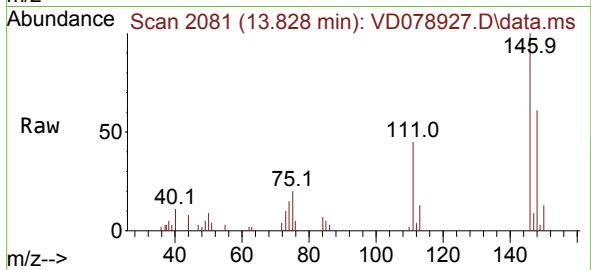




#91
1,2-Dichlorobenzene
Concen: 5.185 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

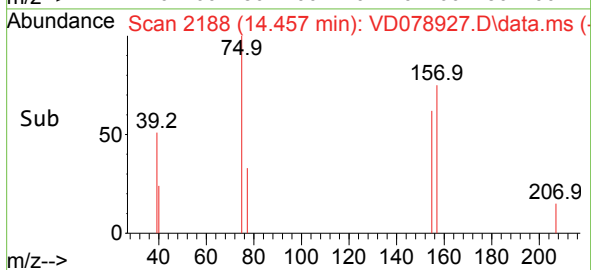
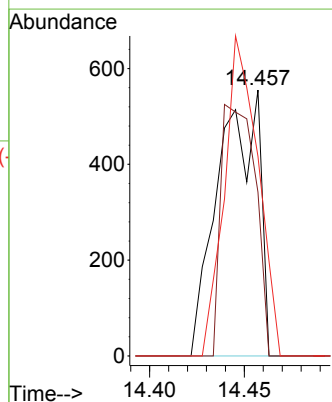
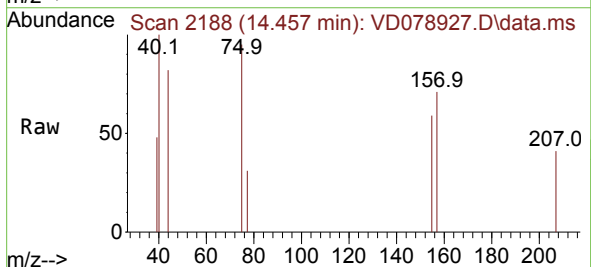
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

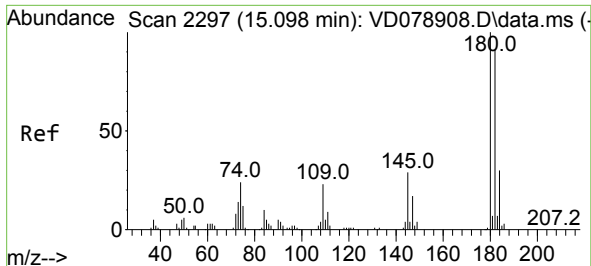
Tgt Ion:146 Resp: 13034
Ion Ratio Lower Upper
146 100
111 40.3 19.1 57.1
148 61.9 31.1 93.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 6.471 ug/l
RT: 14.457 min Scan# 2188
Delta R.T. 0.012 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion: 75 Resp: 839
Ion Ratio Lower Upper
75 100
155 78.7 47.7 143.1
157 98.0 63.4 190.2

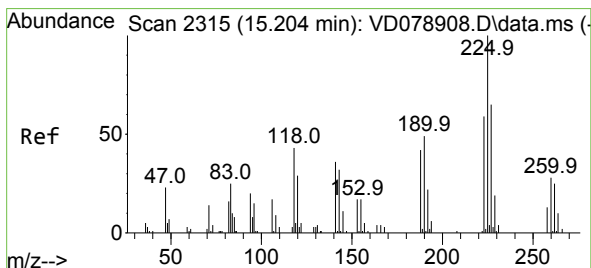
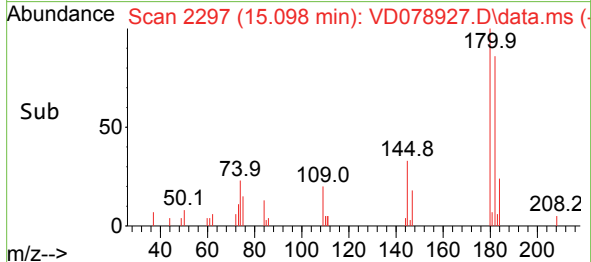
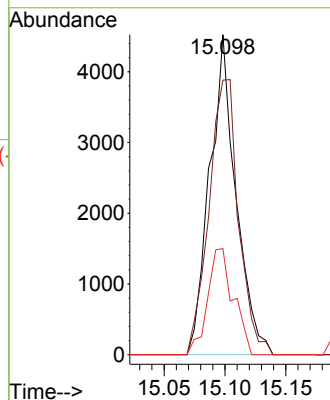
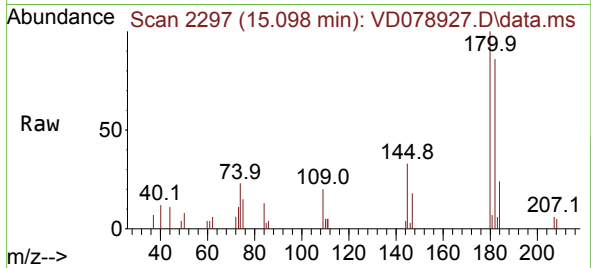




#93
1,2,4-Trichlorobenzene
Concen: 4.604 ug/l
RT: 15.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

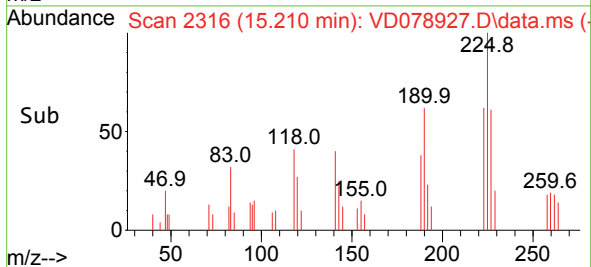
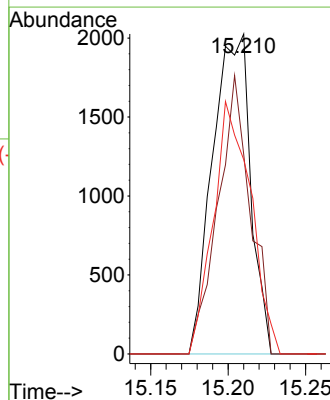
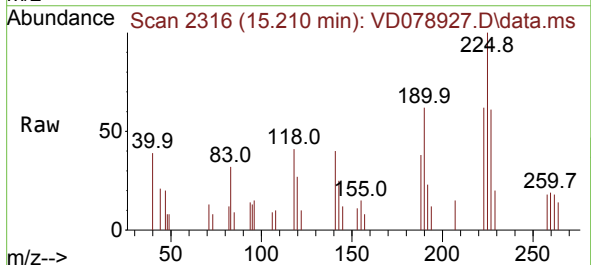
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2024

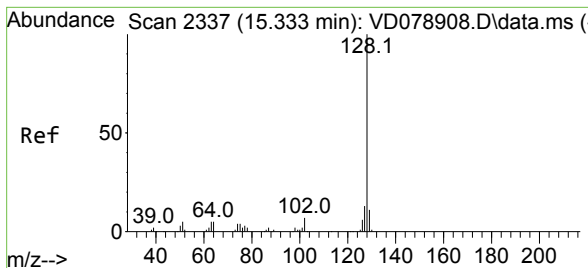
Tgt Ion:180 Resp: 6796
Ion Ratio Lower Upper
180 100
182 96.8 46.9 140.7
145 32.5 14.0 41.9



#94
Hexachlorobutadiene
Concen: 4.476 ug/l
RT: 15.210 min Scan# 2316
Delta R.T. 0.006 min
Lab File: VD078927.D
Acq: 15 May 2024 12:35

Tgt Ion:225 Resp: 3453
Ion Ratio Lower Upper
225 100
223 73.9 33.3 99.9
227 77.6 33.6 100.6





#95

Naphthalene

Concen: 4.707 ug/l

RT: 15.334 min Scan# 21

Delta R.T. 0.001 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

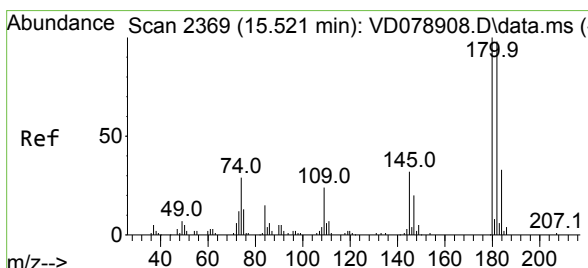
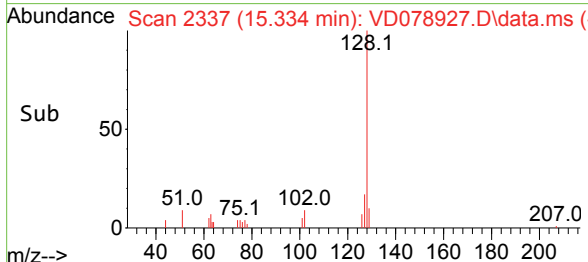
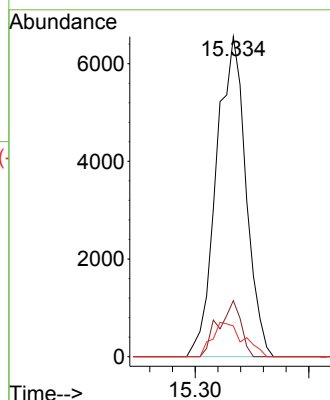
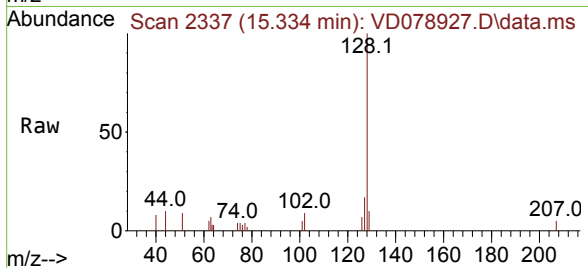
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2024

Tgt Ion:128	Resp:	11835
Ion Ratio	Lower	Upper
128	100	
127	17.5	10.2 15.4#
129	9.6	8.5 12.7



#96

1,2,3-Trichlorobenzene

Concen: 4.439 ug/l

RT: 15.528 min Scan# 2370

Delta R.T. 0.006 min

Lab File: VD078927.D

Acq: 15 May 2024 12:35

Tgt Ion:180	Resp:	5828
Ion Ratio	Lower	Upper
180	100	
182	96.6	47.8 143.3
145	34.1	16.1 48.2

