

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD031122\
 Data File : VD072155.D
 Acq On : 11 Mar 2022 17:36
 Operator : VA/SY
 Sample : N1645-02 5.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 14 04:13:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 04:12:17 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	376594	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	614920	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	568543	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	292337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	399562	95.203	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 190.400%#	
35) Dibromofluoromethane	7.914	113	390008	90.129	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 180.260%#	
50) Toluene-d8	10.332	98	1405393	88.822	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 177.640%#	
62) 4-Bromofluorobenzene	12.626	95	533048	86.703	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 173.400%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	15251	4.378	ug/l	89
3) Chloromethane	2.209	50	12385	4.001	ug/l	100
4) Vinyl Chloride	2.344	62	12221	4.090	ug/l	100
5) Bromomethane	2.773	94	8708	4.476	ug/l	96
6) Chloroethane	2.920	64	8554	4.330	ug/l	93
7) Trichlorofluoromethane	3.273	101	28282	4.192	ug/l	97
8) Diethyl Ether	3.703	74	7591	4.074	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.091	101	18444	4.287	ug/l	95
10) Methyl Iodide	4.309	142	12725	3.699	ug/l	93
11) Tert butyl alcohol	5.203	59	2679	11.009	ug/l #	74
12) 1,1-Dichloroethene	4.067	96	13835	3.997	ug/l	94
13) Acrolein	3.909	56	5095	23.464	ug/l	98
14) Allyl chloride	4.709	41	24362	4.026	ug/l	91
15) Acrylonitrile	5.426	53	21374	22.732	ug/l	98
16) Acetone	4.156	43	21243	23.312	ug/l #	89
17) Carbon Disulfide	4.409	76	22735	3.221	ug/l	96
18) Methyl Acetate	4.714	43	11774	5.273	ug/l	94
19) Methyl tert-butyl Ether	5.479	73	41817	4.445	ug/l	96
20) Methylene Chloride	4.967	84	35393	6.462	ug/l #	75
21) trans-1,2-Dichloroethene	5.473	96	15198	3.970	ug/l	95
22) Diisopropyl ether	6.361	45	57753	4.184	ug/l #	94
23) Vinyl Acetate	6.303	43	147271	20.906	ug/l	97
24) 1,1-Dichloroethane	6.261	63	35149	4.318	ug/l	98
25) 2-Butanone	7.214	43	27546	22.672	ug/l	95
26) 2,2-Dichloropropane	7.197	77	30836	4.198	ug/l	99
27) cis-1,2-Dichloroethene	7.208	96	20702	4.236	ug/l	93
28) Bromochloromethane	7.544	49	15346	4.683	ug/l #	80
29) Tetrahydrofuran	7.555	42	15848	22.183	ug/l	93
30) Chloroform	7.703	83	39021	4.500	ug/l	95
31) Cyclohexane	7.985	56	30542	4.658	ug/l #	68
32) 1,1,1-Trichloroethane	7.897	97	31712	4.117	ug/l	97
36) 1,1-Dichloropropene	8.102	75	23306	3.839	ug/l	99
37) Ethyl Acetate	7.291	43	11629	4.373	ug/l #	92
38) Carbon Tetrachloride	8.097	117	28013	4.060	ug/l	96
39) Methylcyclohexane	9.349	83	22987	3.365	ug/l	98
40) Benzene	8.350	78	71370	4.121	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.508	41	6893	4.447	ug/l #	89
42) 1,2-Dichloroethane	8.420	62	24485	4.661	ug/l	93
43) Isopropyl Acetate	8.444	43	22617	4.382	ug/l #	96
44) Trichloroethene	9.108	130	19818	4.076	ug/l	98
45) 1,2-Dichloropropane	9.385	63	20130	4.238	ug/l	97
46) Dibromomethane	9.473	93	9944	4.256	ug/l	94
47) Bromodichloromethane	9.661	83	29747	4.367	ug/l	94
48) Methyl methacrylate	9.449	41	10610	4.305	ug/l	89
49) 1,4-Dioxane	9.455	88	2350	83.877	ug/l #	81
51) 4-Methyl-2-Pentanone	10.220	43	58699	21.653	ug/l	100
52) Toluene	10.396	92	46804	4.107	ug/l	98
53) t-1,3-Dichloropropene	10.614	75	26609	4.276	ug/l	99
54) cis-1,3-Dichloropropene	10.085	75	29837	4.148	ug/l	92
55) 1,1,2-Trichloroethane	10.796	97	16571	4.656	ug/l	90
56) Ethyl methacrylate	10.655	69	16233	3.894	ug/l	99
57) 1,3-Dichloropropane	10.944	76	26301	4.403	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.938	63	39077	20.848	ug/l	97
59) 2-Hexanone	10.979	43	40693	21.734	ug/l	99
60) Dibromochloromethane	11.132	129	20592	4.459	ug/l	99
61) 1,2-Dibromoethane	11.238	107	14002	4.354	ug/l	97
64) Tetrachloroethene	10.873	164	16819	4.199	ug/l	91
65) Chlorobenzene	11.661	112	54420	4.318	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.738	131	22055	4.425	ug/l	97
67) Ethyl Benzene	11.738	91	89633	3.982	ug/l	96
68) m/p-Xylenes	11.843	106	65958	7.716	ug/l	99
69) o-Xylene	12.179	106	32888	4.022	ug/l	99
70) Styrene	12.185	104	55123	3.861	ug/l	99
71) Bromoform	12.349	173	12286	4.614	ug/l #	95
73) Isopropylbenzene	12.473	105	87456	3.775	ug/l	99
74) N-amyl acetate	12.279	43	21565	4.332	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.720	83	19646	4.742	ug/l	98
76) 1,2,3-Trichloropropane	12.773	75	24303	7.536	ug/l #	100
77) Bromobenzene	12.749	156	22478	4.311	ug/l	94
78) n-propylbenzene	12.808	91	113719	4.041	ug/l	99
79) 2-Chlorotoluene	12.896	91	67195	4.130	ug/l	95
80) 1,3,5-Trimethylbenzene	12.949	105	84180	4.230	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.626	75	274425	211.142	ug/l #	7
82) 4-Chlorotoluene	12.996	91	69185	4.107	ug/l	96
83) tert-Butylbenzene	13.214	119	72481	4.154	ug/l	92
84) 1,2,4-Trimethylbenzene	13.261	105	80790	4.120	ug/l	98
85) sec-Butylbenzene	13.390	105	102948	3.929	ug/l	98
86) p-Isopropyltoluene	13.502	119	84314	3.910	ug/l	97
87) 1,3-Dichlorobenzene	13.508	146	48375	4.427	ug/l	99
88) 1,4-Dichlorobenzene	13.585	146	49047	4.526	ug/l	94
89) n-Butylbenzene	13.832	91	81192	3.951	ug/l	97
90) Hexachloroethane	14.102	117	17888	4.233	ug/l	95
91) 1,2-Dichlorobenzene	13.879	146	43842	4.602	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.490	75	3439	5.201	ug/l	93
93) 1,2,4-Trichlorobenzene	15.143	180	27272	4.324	ug/l	98
94) Hexachlorobutadiene	15.255	225	16294	4.441	ug/l	95
95) Naphthalene	15.384	128	42878	3.943	ug/l	96
96) 1,2,3-Trichlorobenzene	15.579	180	23669	4.335	ug/l	99

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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



Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 10

Delta R.T. 0.006 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

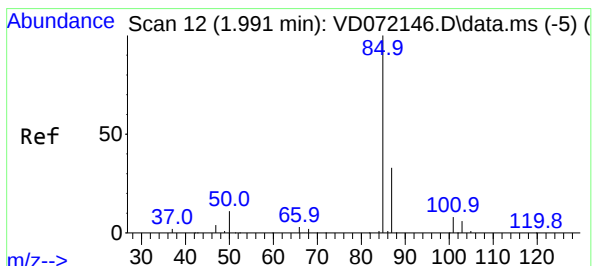
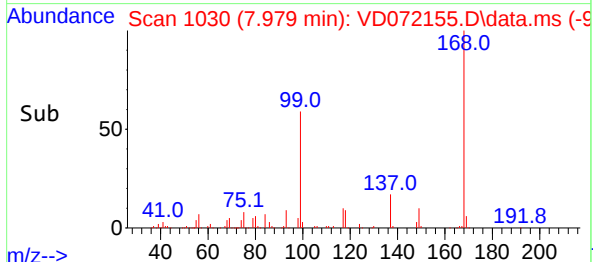
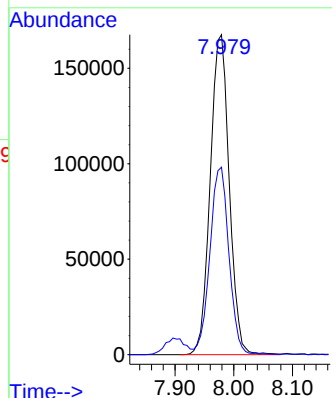
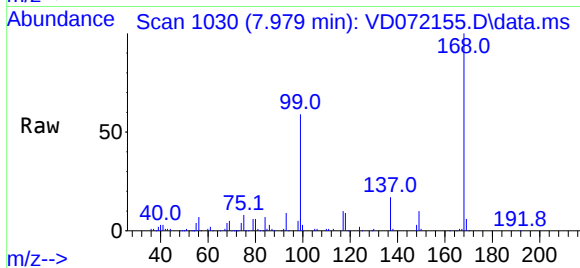
LOQ-SOIL-02-QT1-2022

Tgt Ion:168 Resp: 376594

Ion Ratio Lower Upper

168 100

99 58.5 49.8 74.6



Dichlorodifluoromethane

Concen: 4.378 ug/l

RT: 1.991 min Scan# 12

Delta R.T. -0.000 min

Lab File: VD072155.D

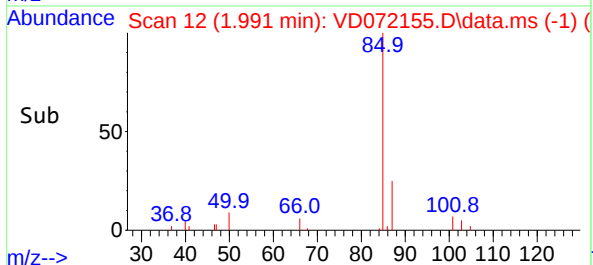
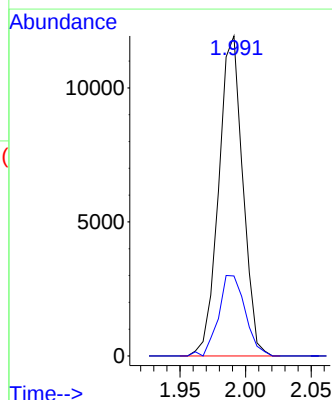
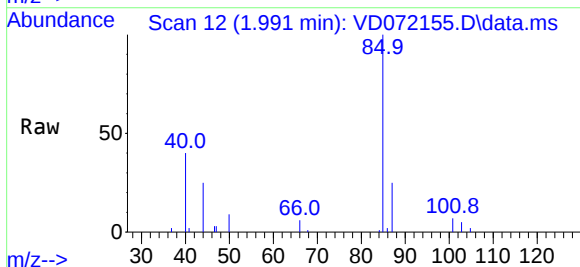
Acq: 11 Mar 2022 17:36

Tgt Ion: 85 Resp: 15251

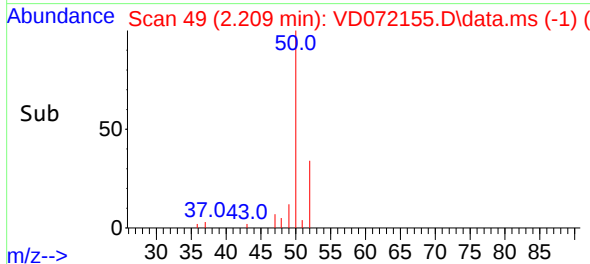
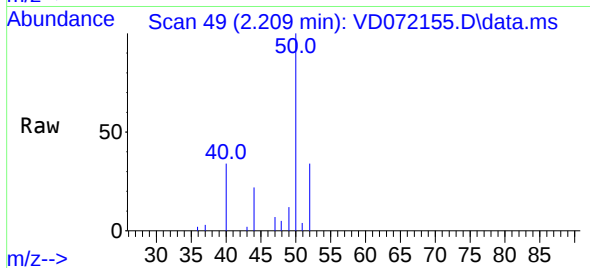
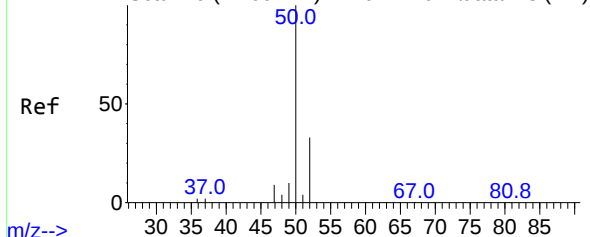
Ion Ratio Lower Upper

85 100

87 25.0 15.7 47.0



Abundance Scan 49 (2.209 min): VD072146.D\data.ms (-42)



#3

Chloromethane

Concen: 4.001 ug/l

RT: 2.209 min Scan# 49

Delta R.T. -0.000 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

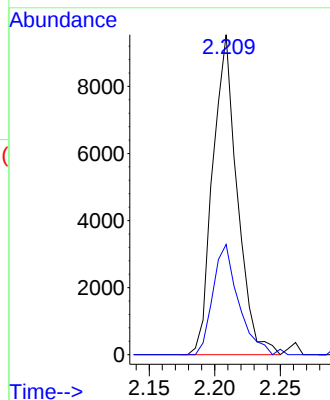
LOQ-SOIL-02-QT1-2022

Tgt Ion: 50 Resp: 12385

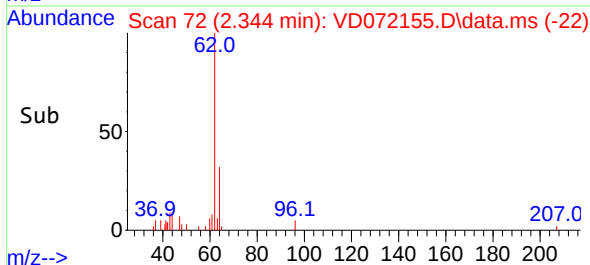
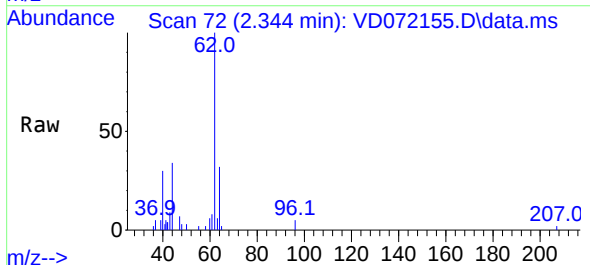
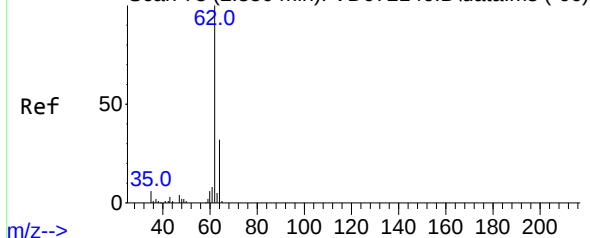
Ion Ratio Lower Upper

50 100

52 34.5 27.4 41.0



Abundance Scan 73 (2.350 min): VD072146.D\data.ms (-66)



#4

Vinyl Chloride

Concen: 4.090 ug/l

RT: 2.344 min Scan# 72

Delta R.T. -0.006 min

Lab File: VD072155.D

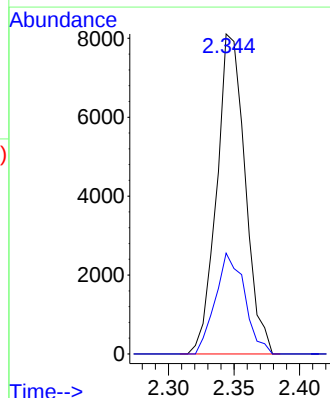
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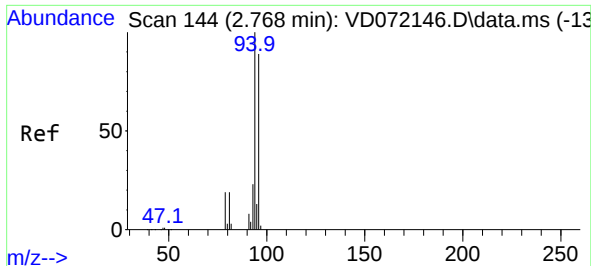
Tgt Ion: 62 Resp: 12221

Ion Ratio Lower Upper

62 100

64 31.5 25.4 38.0

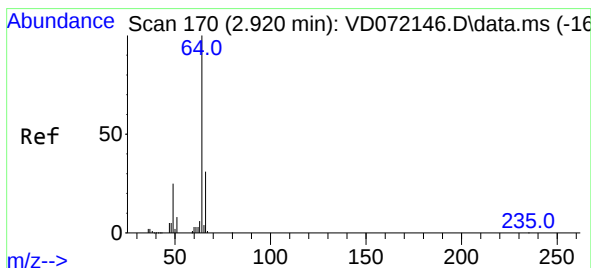
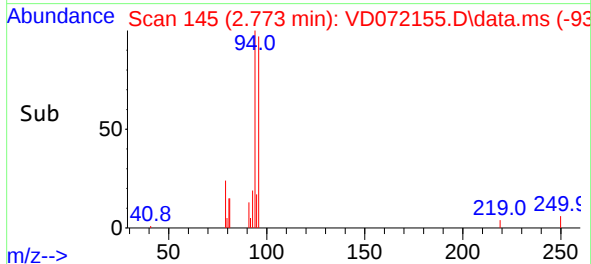
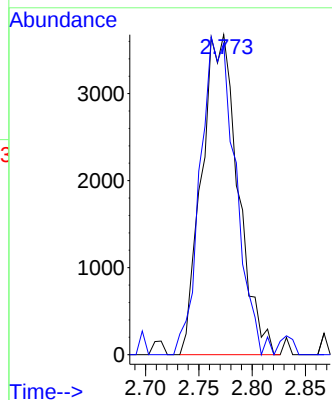
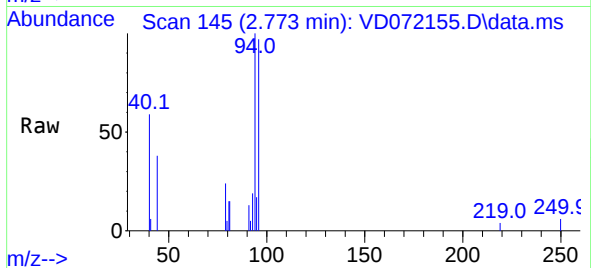




#5
Bromomethane
Concen: 4.476 ug/l
RT: 2.773 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

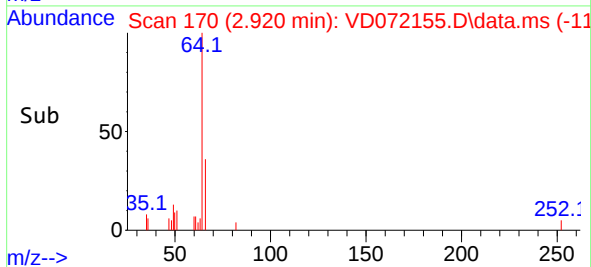
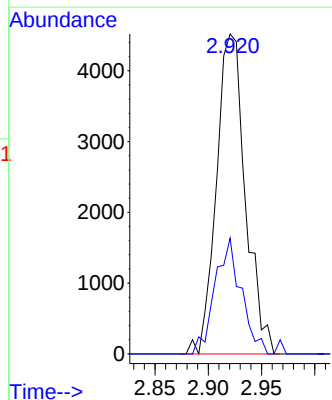
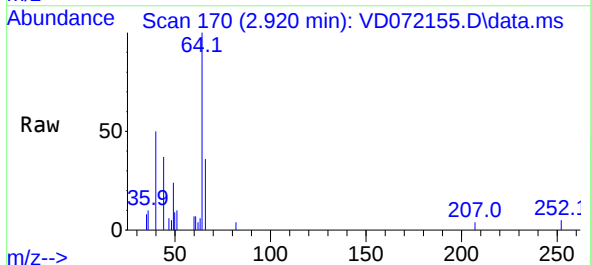
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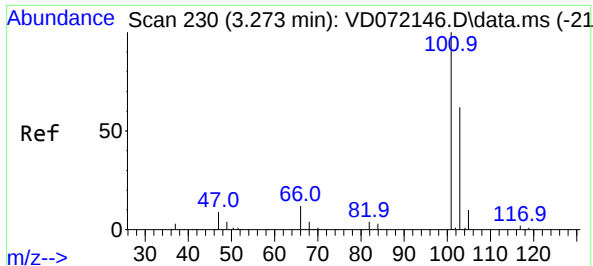
Tgt Ion: 94 Resp: 8708
Ion Ratio Lower Upper
94 100
96 93.2 77.6 116.4



#6
Chloroethane
Concen: 4.330 ug/l
RT: 2.920 min Scan# 170
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 64 Resp: 8554
Ion Ratio Lower Upper
64 100
66 36.2 25.9 38.9

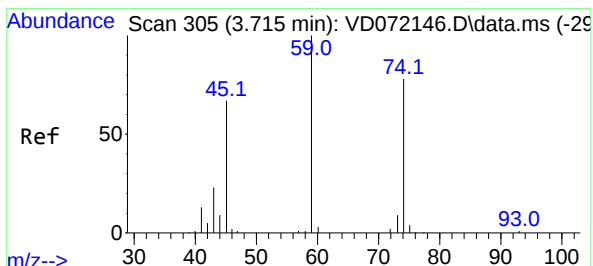
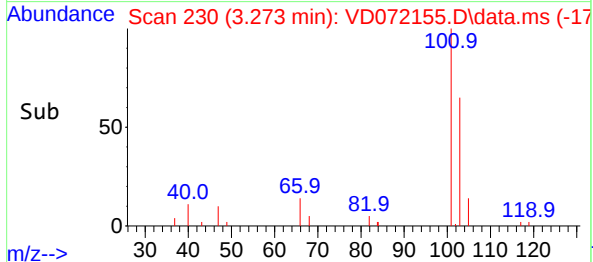
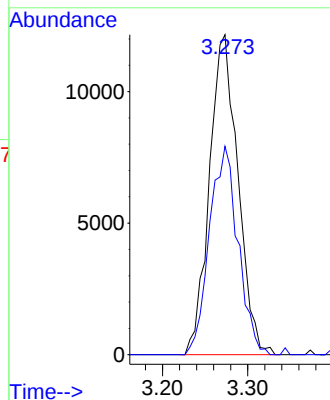
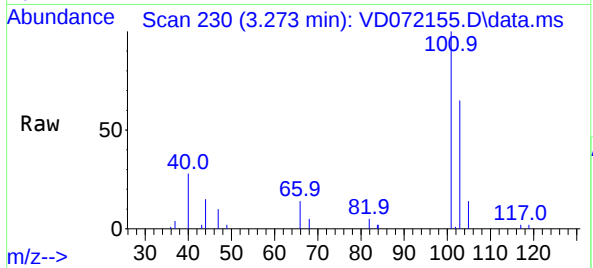




#7
 Trichlorofluoromethane
 Concen: 4.192 ug/l
 RT: 3.273 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VD072155.D
 Acq: 11 Mar 2022 17:36

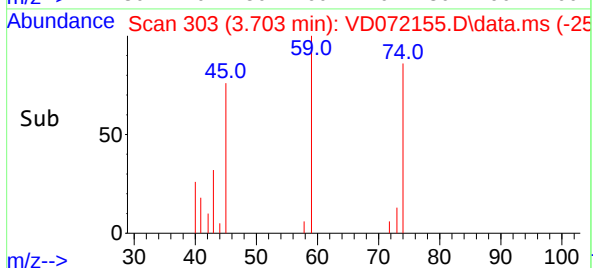
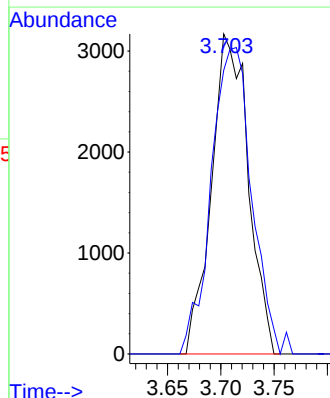
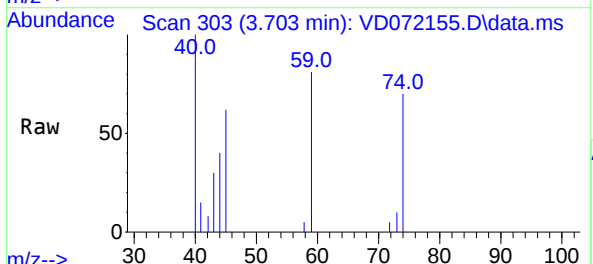
Instrument :
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 LOQ-SOIL-02-QT1-2022

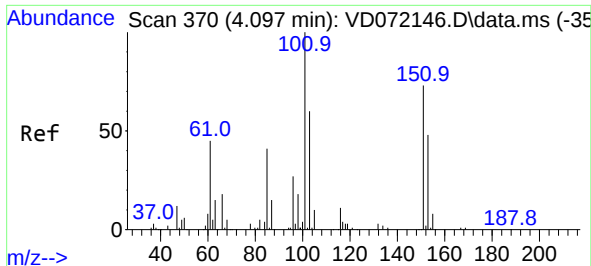
Tgt Ion:101 Resp: 28282
 Ion Ratio Lower Upper
 101 100
 103 65.1 50.1 75.1



#8
 Diethyl Ether
 Concen: 4.074 ug/l
 RT: 3.703 min Scan# 303
 Delta R.T. -0.012 min
 Lab File: VD072155.D
 Acq: 11 Mar 2022 17:36

Tgt Ion: 74 Resp: 7591
 Ion Ratio Lower Upper
 74 100
 45 106.2 52.6 157.8

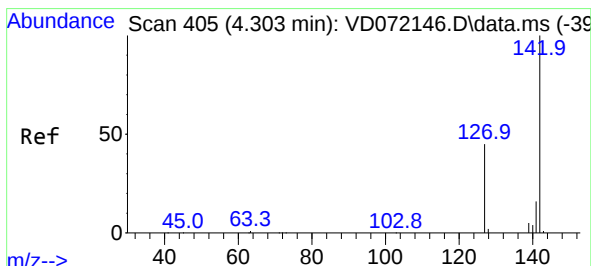
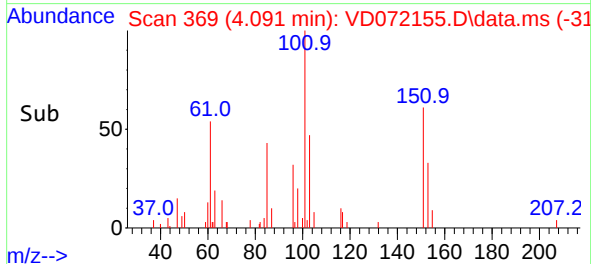
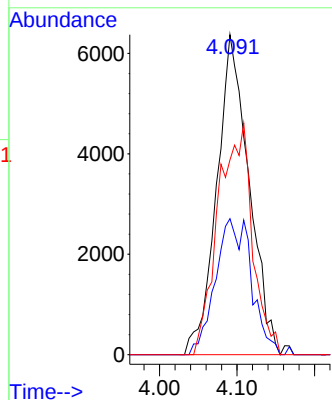
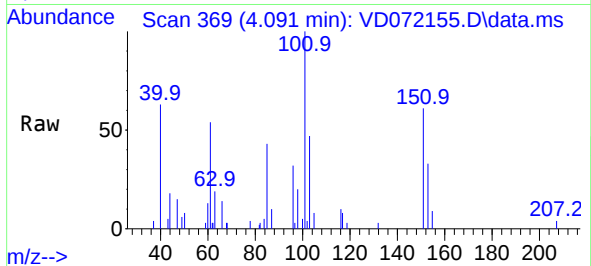




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.287 ug/l
RT: 4.091 min Scan# 30
Delta R.T. -0.006 min
Lab File: VD072155.D
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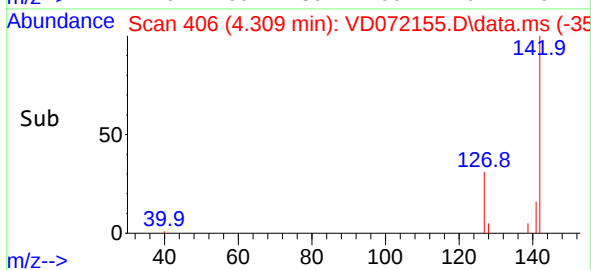
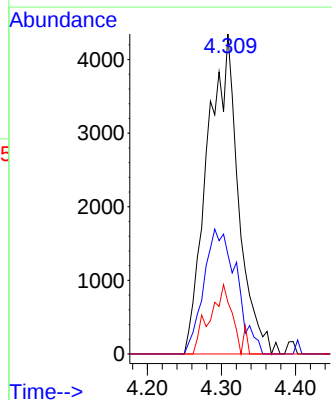
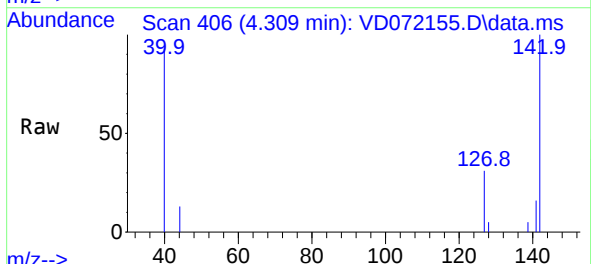
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:101	Resp:	18444
Ion	Ratio	Lower Upper
101	100	
85	47.4	36.4 54.6
151	76.6	57.3 85.9



#10
Methyl Iodide
Concen: 3.699 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:142	Resp:	12725
Ion	Ratio	Lower Upper
142	100	
127	41.0	37.3 55.9
141	15.1	11.7 17.5





#11

Tert butyl alcohol

Concen: 11.009 ug/l

RT: 5.203 min Scan# 51

Delta R.T. -0.006 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

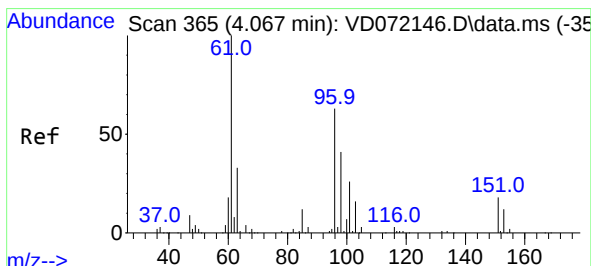
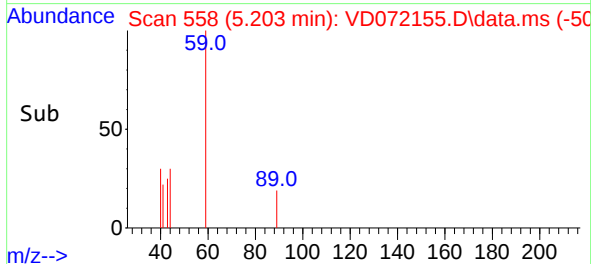
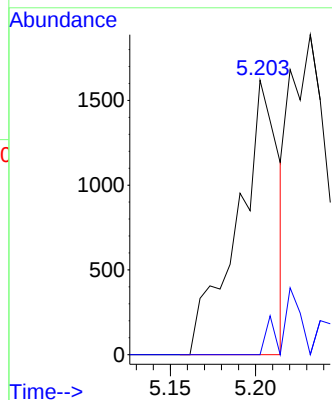
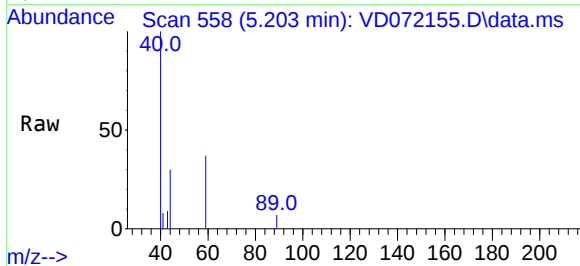
LOQ-SOIL-02-QT1-2022

Tgt Ion: 59 Resp: 2679

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



#12

1,1-Dichloroethene

Concen: 3.997 ug/l

RT: 4.067 min Scan# 365

Delta R.T. -0.000 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

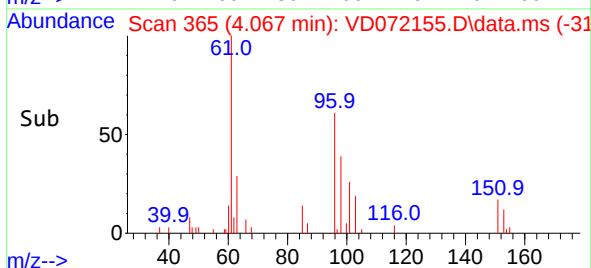
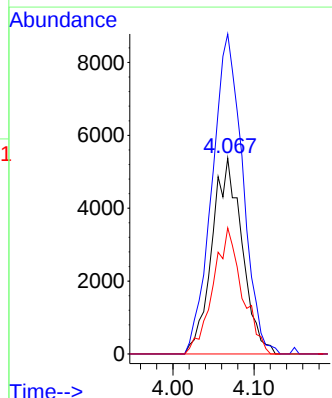
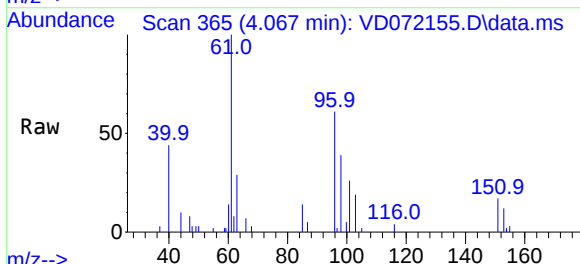
Tgt Ion: 96 Resp: 13835

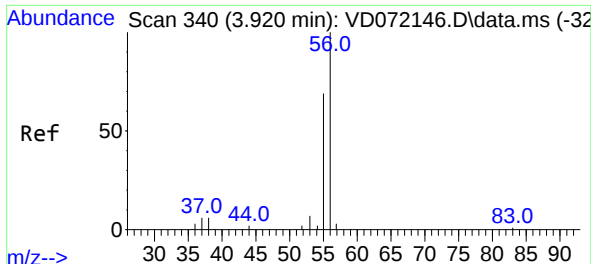
Ion Ratio Lower Upper

96 100

61 163.4 138.5 207.7

98 64.4 48.6 73.0

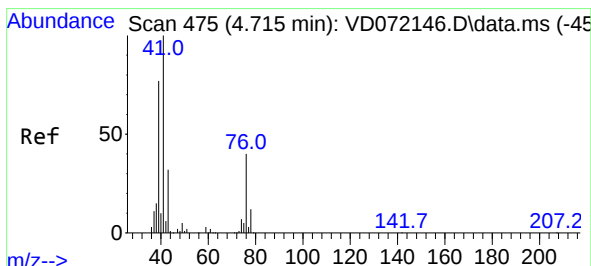
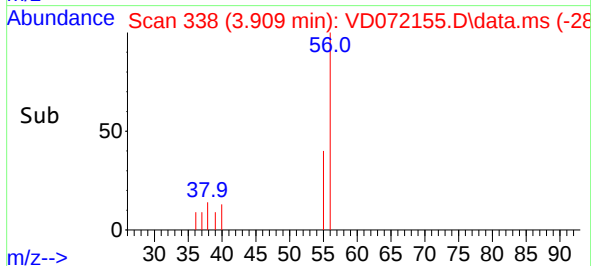
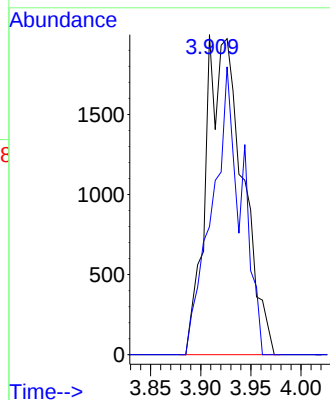
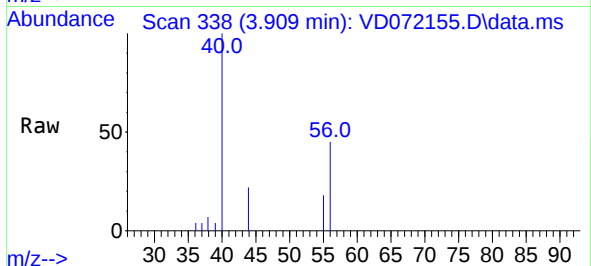




#13
Acrolein
Concen: 23.464 ug/l
RT: 3.909 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

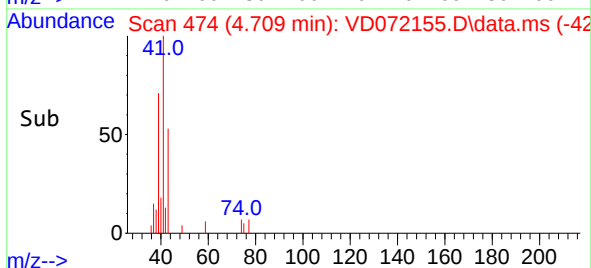
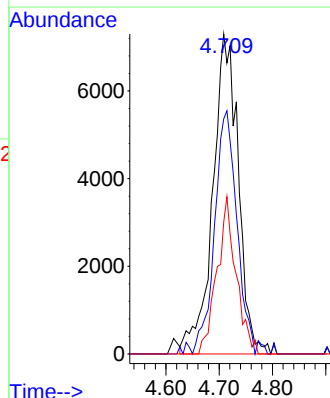
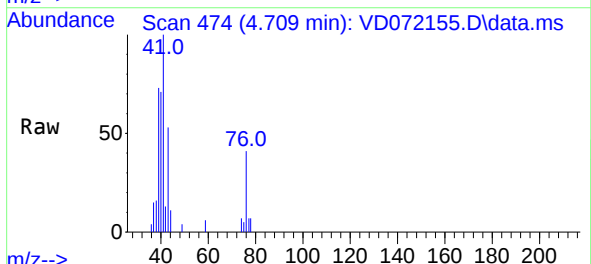
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion: 56 Resp: 5095
Ion Ratio Lower Upper
56 100
55 72.7 57.1 85.7



#14
Allyl chloride
Concen: 4.026 ug/l
RT: 4.709 min Scan# 474
Delta R.T. -0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 41 Resp: 24362
Ion Ratio Lower Upper
41 100
39 66.0 59.3 88.9
76 36.6 25.7 38.5

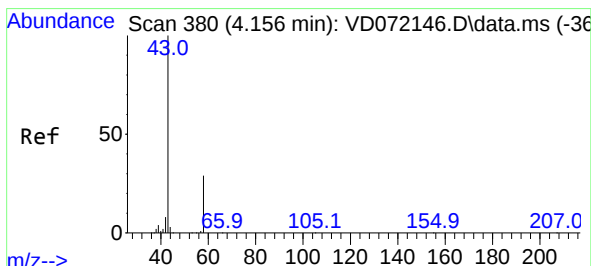
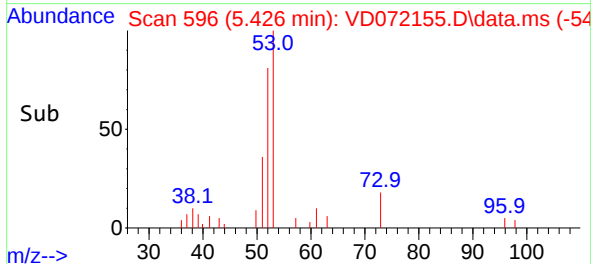
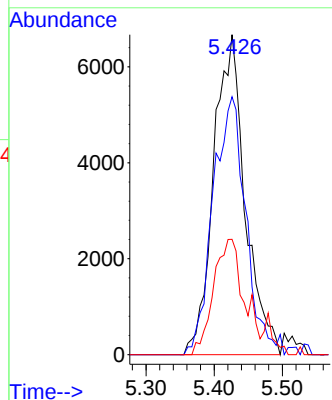
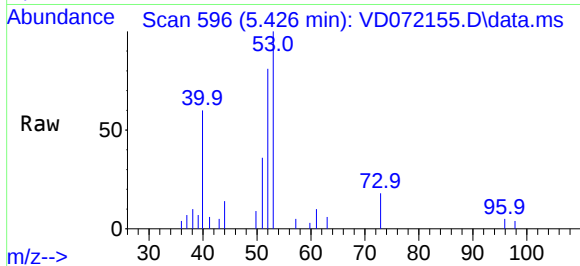




#15
Acrylonitrile
Concen: 22.732 ug/l
RT: 5.426 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

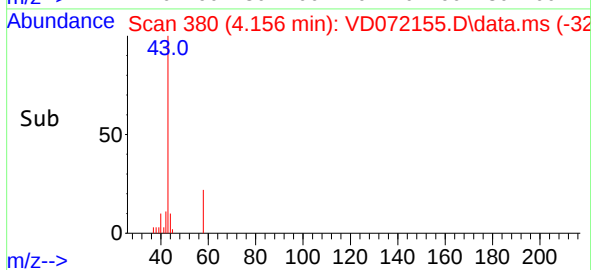
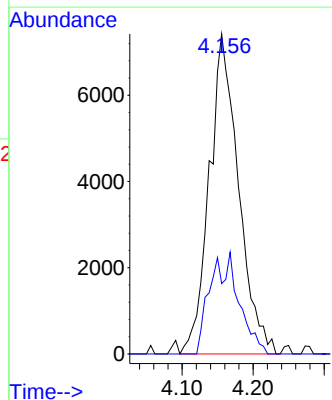
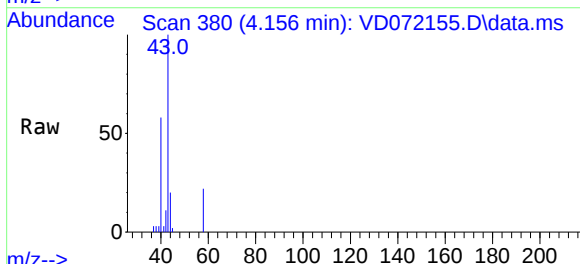
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

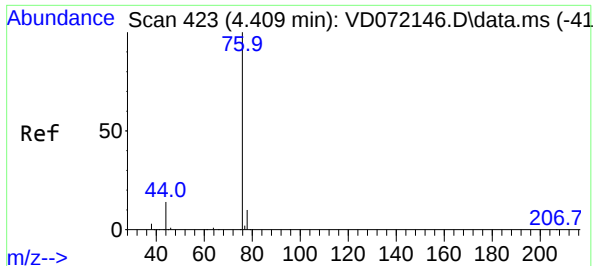
Tgt Ion:	53	Resp:	21374
Ion	Ratio	Lower	Upper
53	100		
52	84.7	67.2	100.8
51	35.0	30.3	45.5



#16
Acetone
Concen: 23.312 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:	43	Resp:	21243
Ion	Ratio	Lower	Upper
43	100		
58	22.0	22.1	33.1#

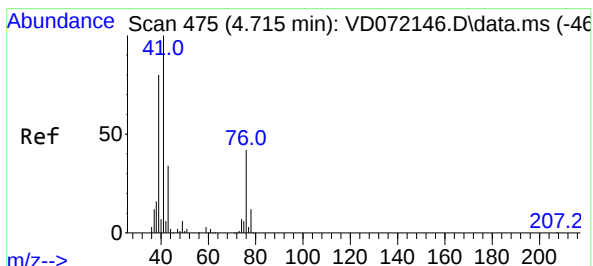
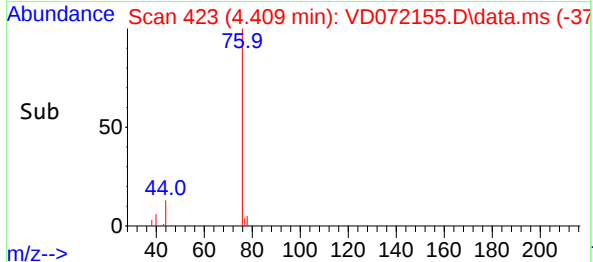
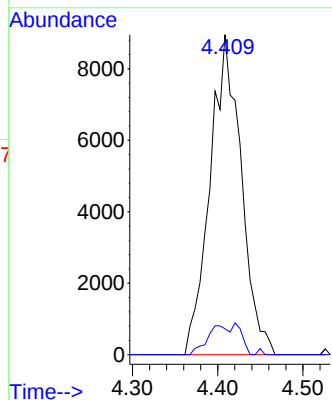
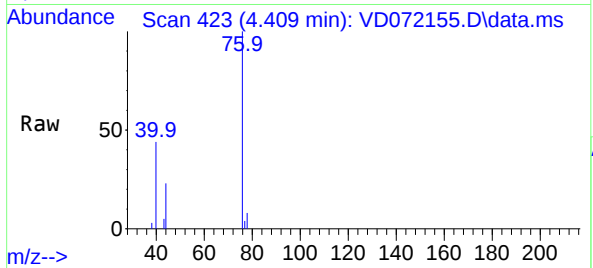




#17
Carbon Disulfide
Concen: 3.221 ug/l
RT: 4.409 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

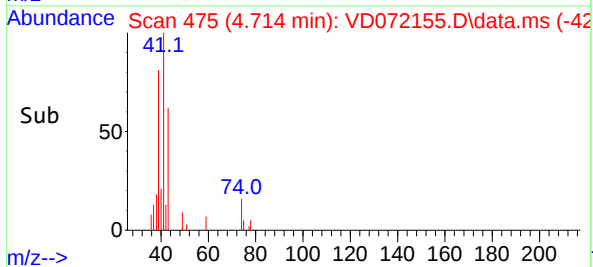
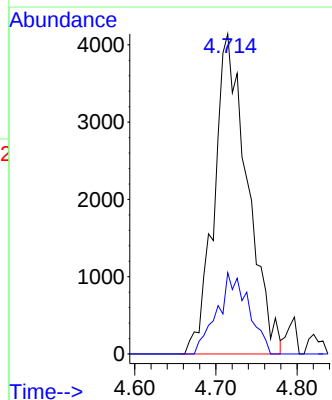
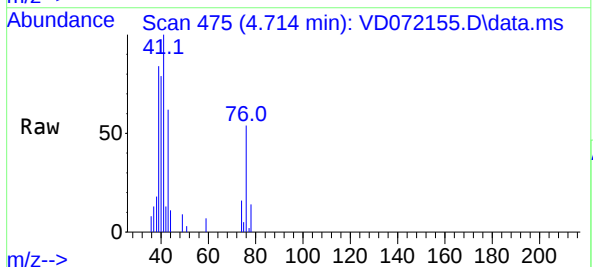
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

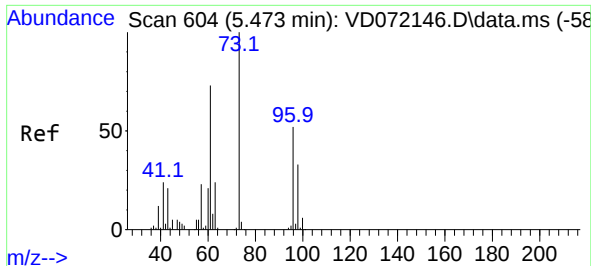
Tgt Ion: 76 Resp: 22735
Ion Ratio Lower Upper
76 100
78 8.1 7.5 11.3



#18
Methyl Acetate
Concen: 5.273 ug/l
RT: 4.714 min Scan# 475
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 43 Resp: 11774
Ion Ratio Lower Upper
43 100
74 23.9 16.7 25.1





#19

Methyl tert-butyl Ether

Concen: 4.445 ug/l

RT: 5.479 min Scan# 604

Delta R.T. 0.006 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

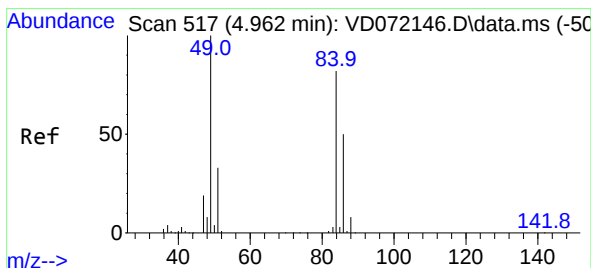
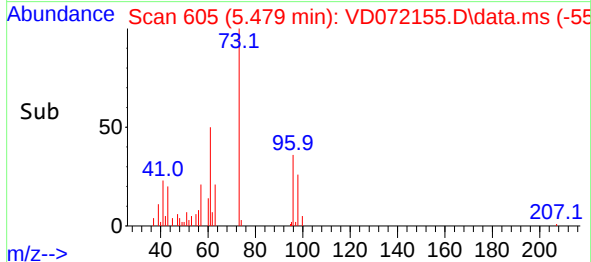
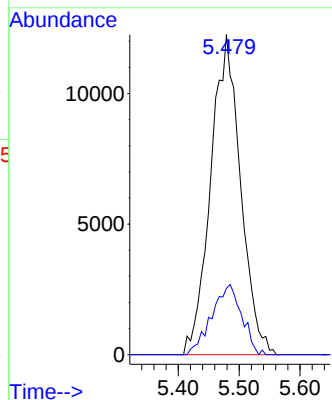
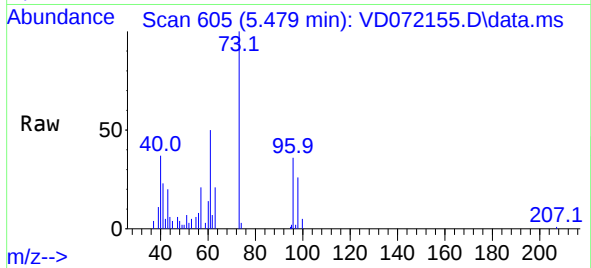
LOQ-SOIL-02-QT1-2022

Tgt Ion: 73 Resp: 41817

Ion Ratio Lower Upper

73 100

57 20.7 18.0 27.0



#20

Methylene Chloride

Concen: 6.462 ug/l

RT: 4.967 min Scan# 518

Delta R.T. 0.005 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Tgt Ion: 84 Resp: 35393

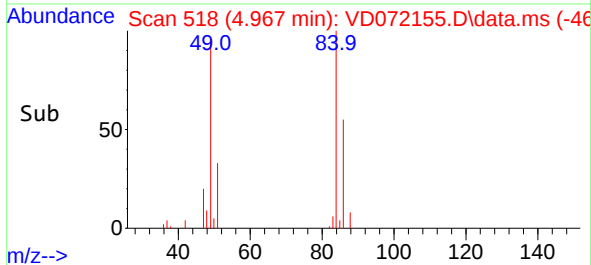
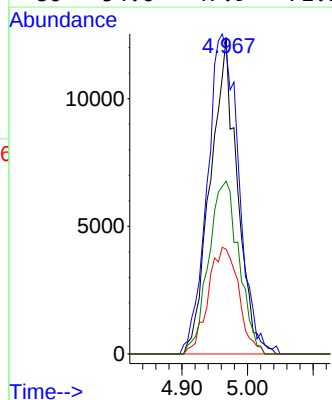
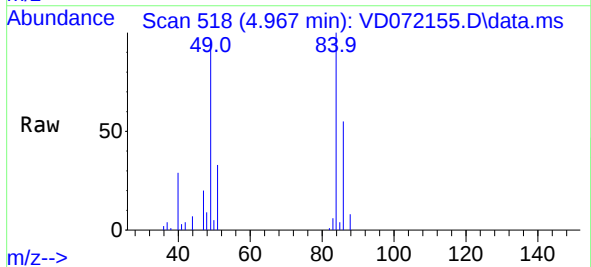
Ion Ratio Lower Upper

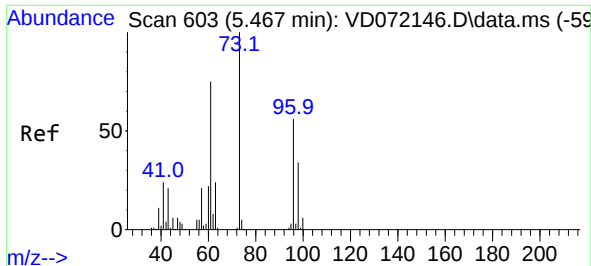
84 100

49 96.3 112.8 169.2#

51 33.1 32.6 48.8

86 54.6 47.9 71.9

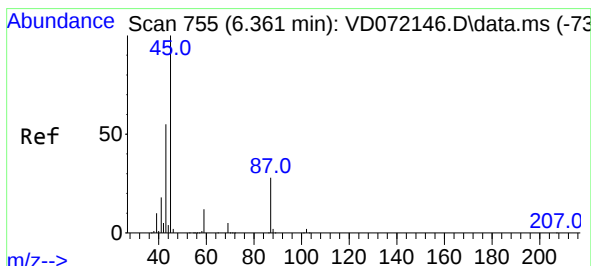
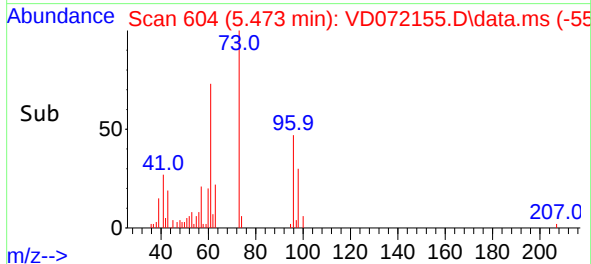
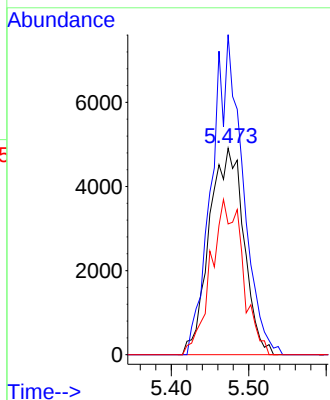
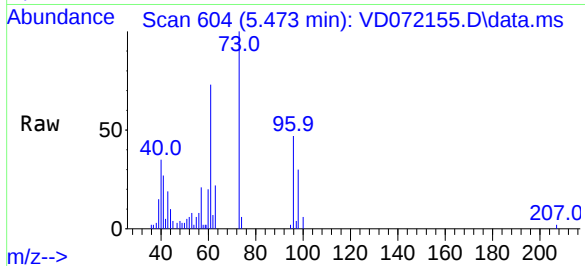




#21
trans-1,2-Dichloroethene
Concen: 3.970 ug/l
RT: 5.473 min Scan# 603
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

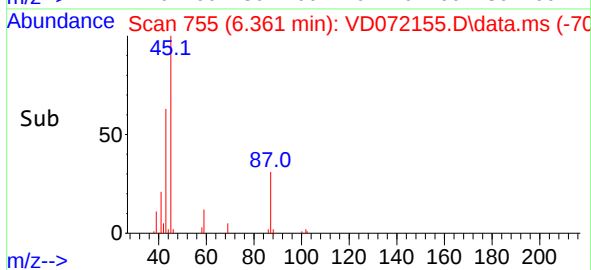
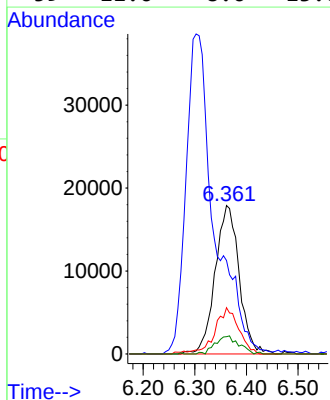
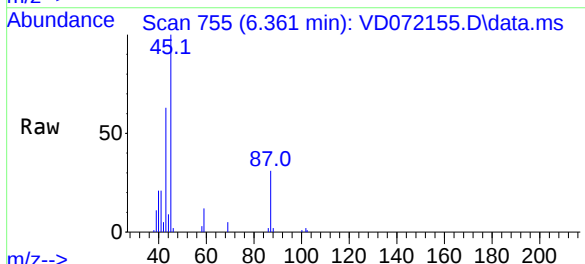
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

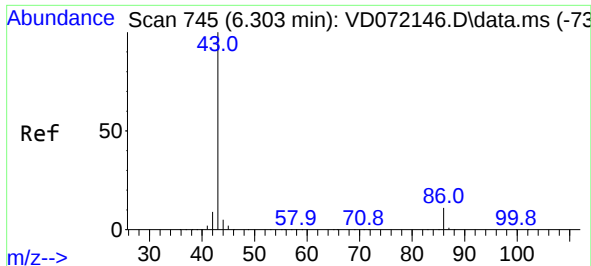
Tgt Ion: 96 Resp: 15198
Ion Ratio Lower Upper
96 100
61 155.0 117.9 176.9
98 63.3 49.4 74.2



#22
Diisopropyl ether
Concen: 4.184 ug/l
RT: 6.361 min Scan# 755
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 45 Resp: 57753
Ion Ratio Lower Upper
45 100
43 60.4 46.6 70.0
87 31.2 18.4 27.6#
59 11.6 8.6 13.0

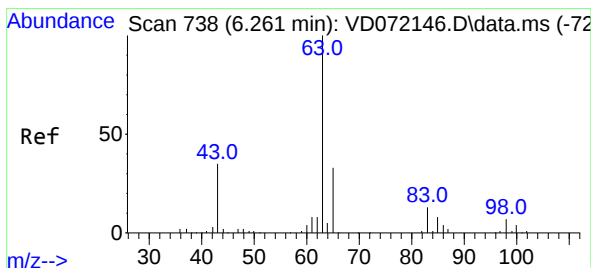
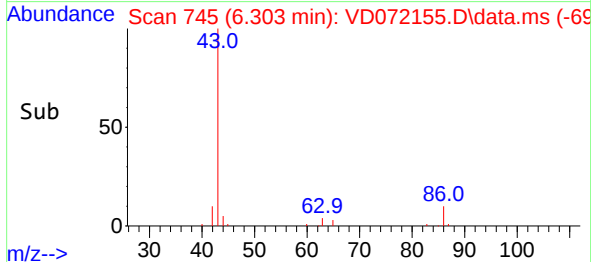
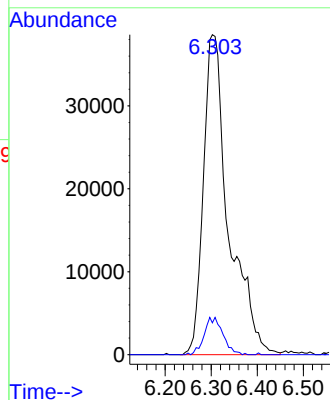
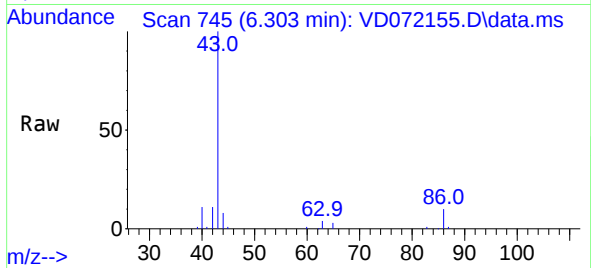




#23
 Vinyl Acetate
 Concen: 20.906 ug/l
 RT: 6.303 min Scan# 745
 Delta R.T. -0.000 min
 Lab File: VD072155.D
 Acq: 11 Mar 2022 17:36

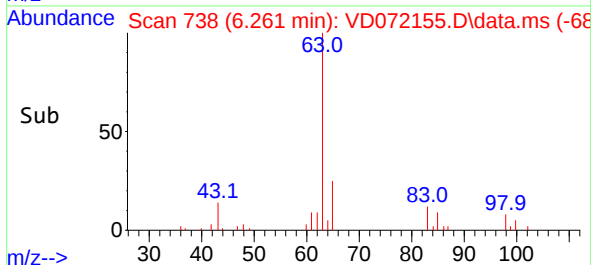
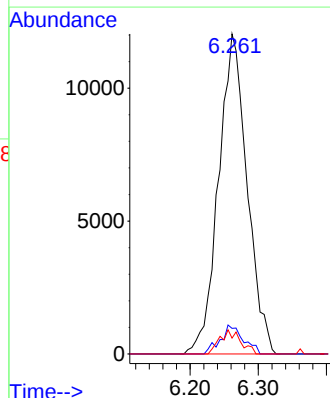
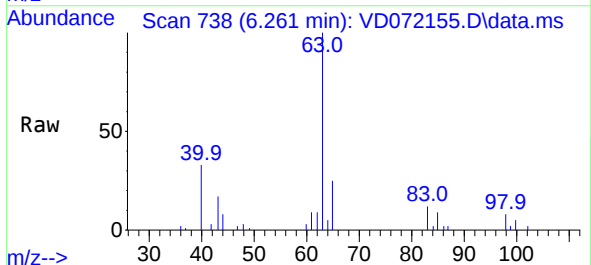
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Tgt Ion: 43 Resp: 147271
 Ion Ratio Lower Upper
 43 100
 86 10.0 7.1 10.7



#24
 1,1-Dichloroethane
 Concen: 4.318 ug/l
 RT: 6.261 min Scan# 738
 Delta R.T. -0.000 min
 Lab File: VD072155.D
 Acq: 11 Mar 2022 17:36

Tgt Ion: 63 Resp: 35149
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.6 10.9
 100 5.0 2.1 6.5

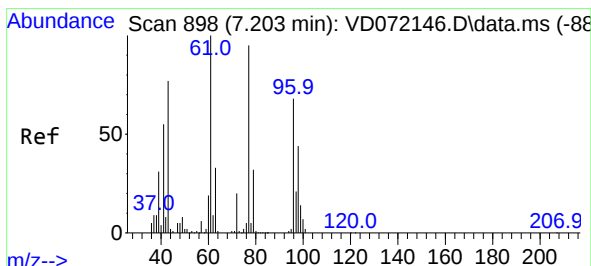
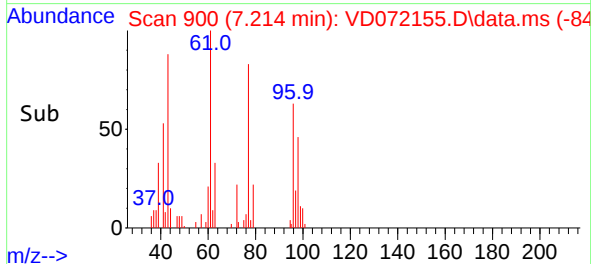
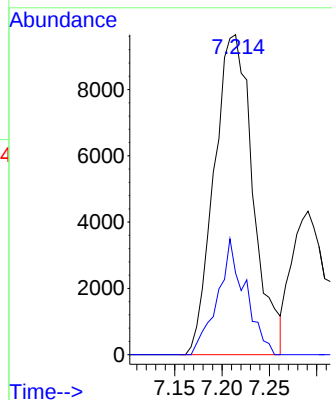
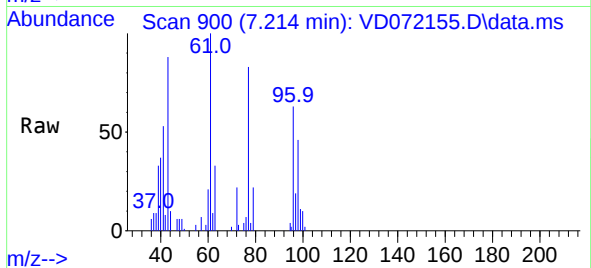




#25
2-Butanone
Concen: 22.672 ug/l
RT: 7.214 min Scan# 900
Delta R.T. 0.012 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

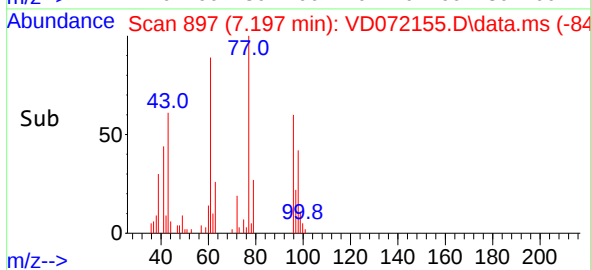
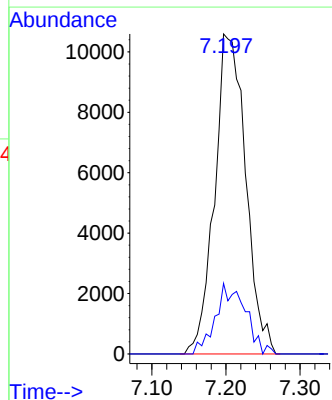
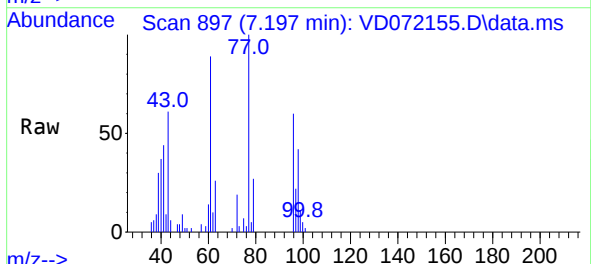
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

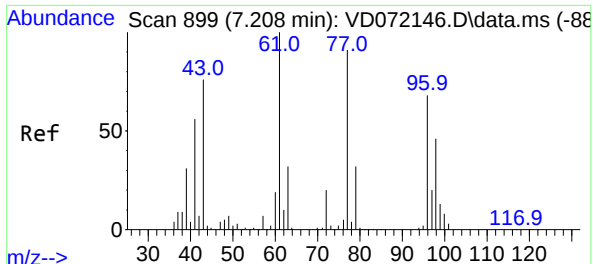
Tgt Ion: 43 Resp: 27546
Ion Ratio Lower Upper
43 100
72 25.6 18.6 27.8



#26
2,2-Dichloropropane
Concen: 4.198 ug/l
RT: 7.197 min Scan# 897
Delta R.T. -0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 77 Resp: 30836
Ion Ratio Lower Upper
77 100
97 21.2 10.8 32.4

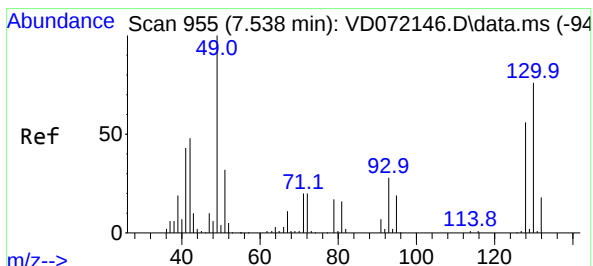
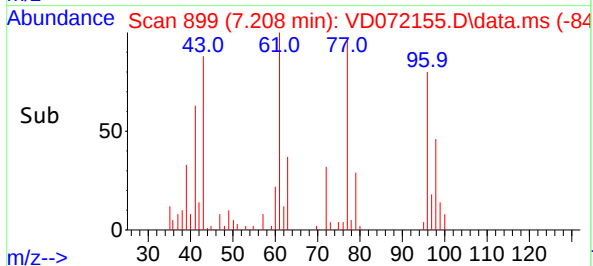
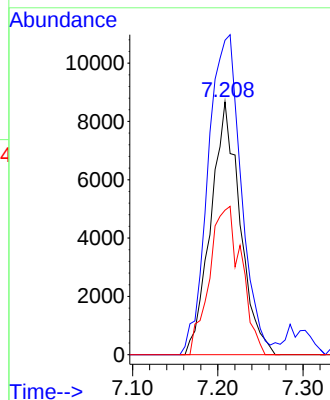
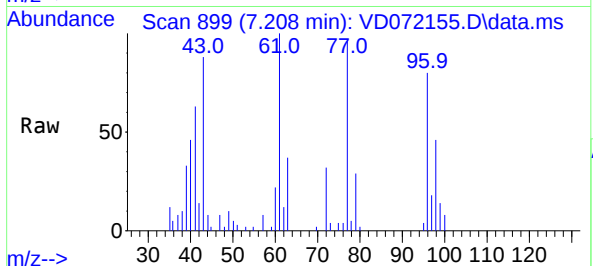




#27
cis-1,2-Dichloroethene
Concen: 4.236 ug/l
RT: 7.208 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

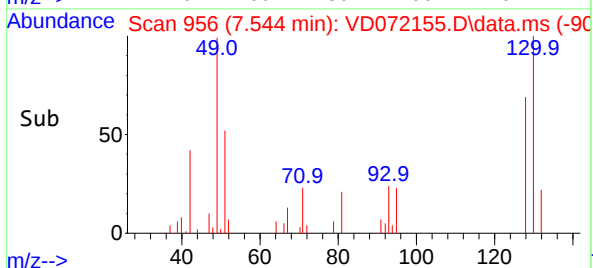
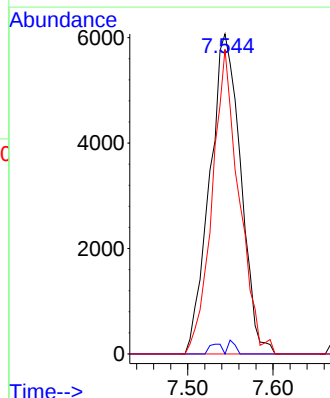
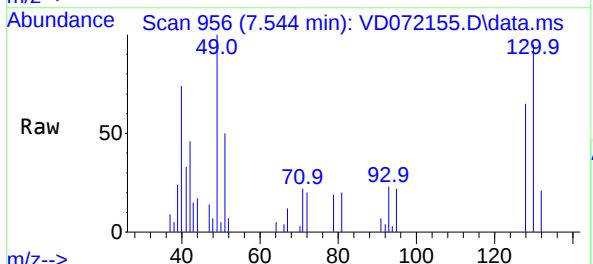
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

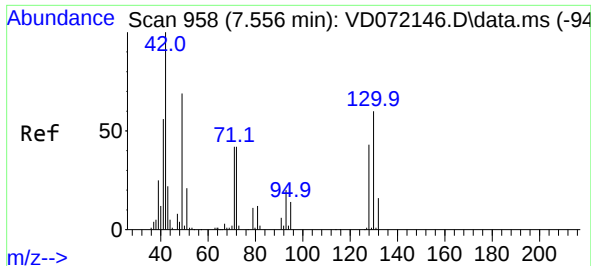
Tgt Ion:	96	Resp:	20702
Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	313.8
98	64.2	0.0	128.8



#28
Bromochloromethane
Concen: 4.683 ug/l
RT: 7.544 min Scan# 956
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:	49	Resp:	15346
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	4.0
130	82.4	52.6	79.0#





#29

Tetrahydrofuran

Concen: 22.183 ug/l

RT: 7.555 min Scan# 91

Delta R.T. -0.000 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2022

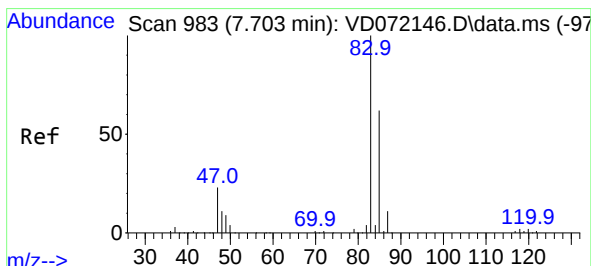
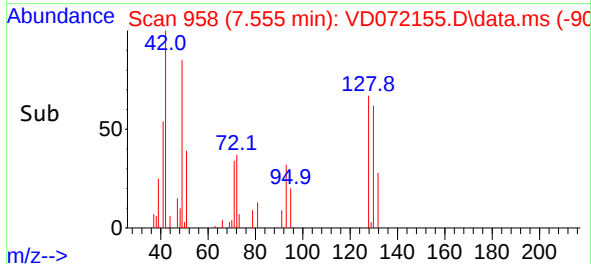
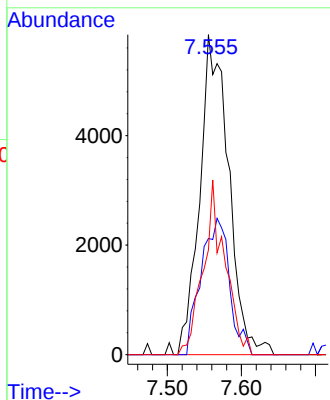
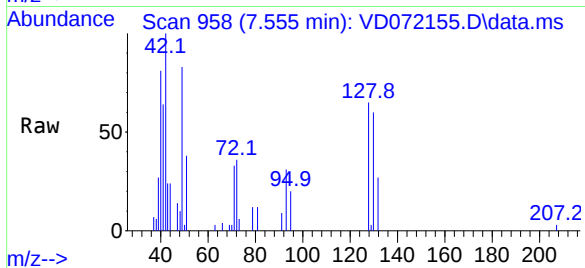
Tgt Ion: 42 Resp: 15848

Ion Ratio Lower Upper

42 100

72 42.0 30.7 46.1

71 41.1 28.6 43.0



#30

Chloroform

Concen: 4.500 ug/l

RT: 7.703 min Scan# 983

Delta R.T. -0.000 min

Lab File: VD072155.D

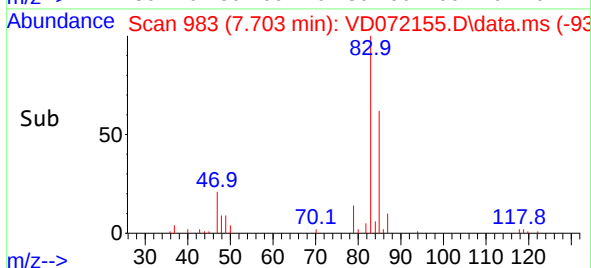
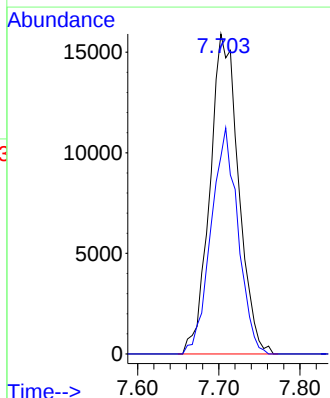
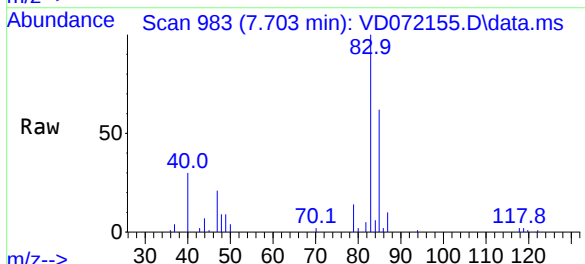
Acq: 11 Mar 2022 17:36

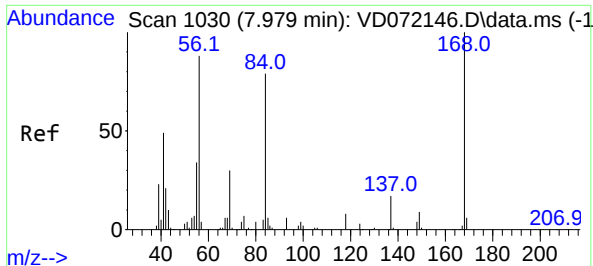
Tgt Ion: 83 Resp: 39021

Ion Ratio Lower Upper

83 100

85 61.7 52.7 79.1





#31

Cyclohexane

Concen: 4.658 ug/l

RT: 7.985 min Scan# 1030

Delta R.T. 0.006 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2022

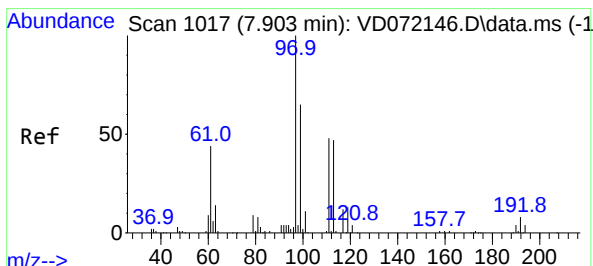
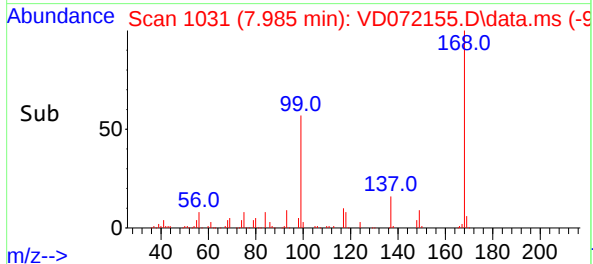
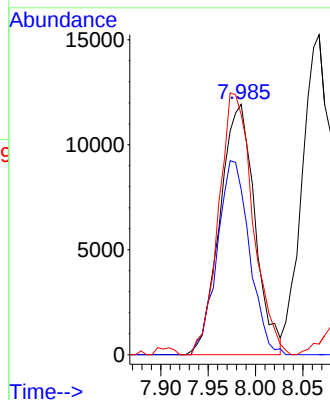
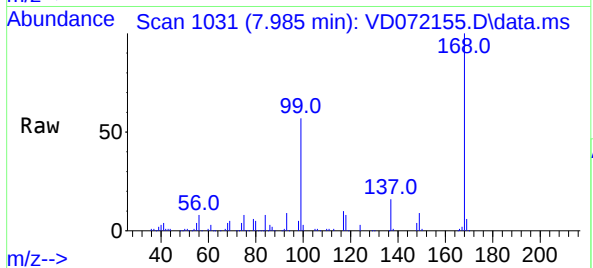
Tgt Ion: 56 Resp: 30542

Ion Ratio Lower Upper

56 100

69 65.9 25.4 38.2#

84 95.9 63.0 94.4#



#32

1,1,1-Trichloroethane

Concen: 4.117 ug/l

RT: 7.897 min Scan# 1016

Delta R.T. -0.006 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

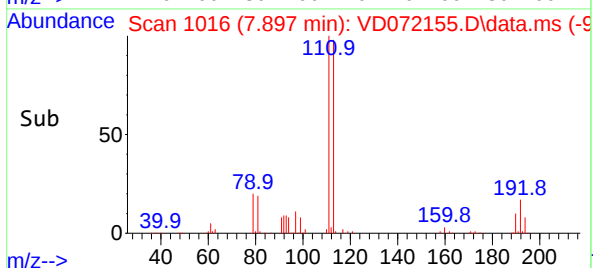
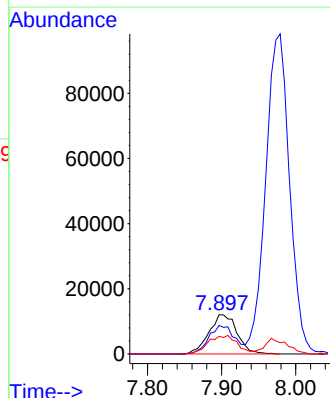
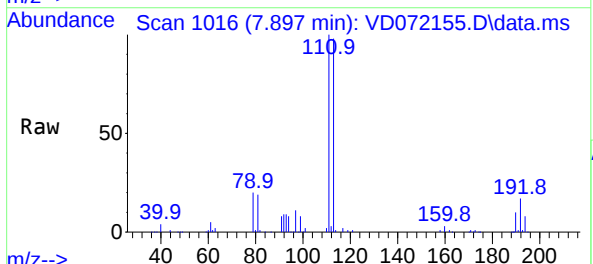
Tgt Ion: 97 Resp: 31712

Ion Ratio Lower Upper

97 100

99 68.3 52.4 78.6

61 48.8 38.0 57.0

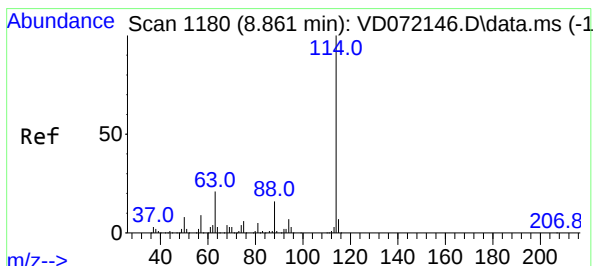
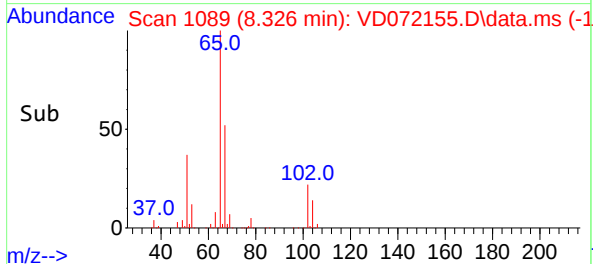
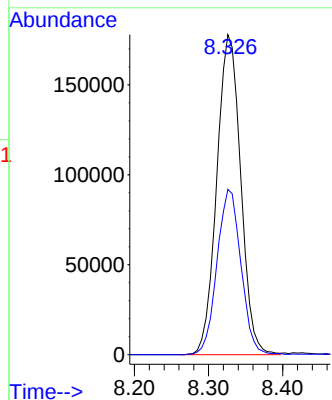
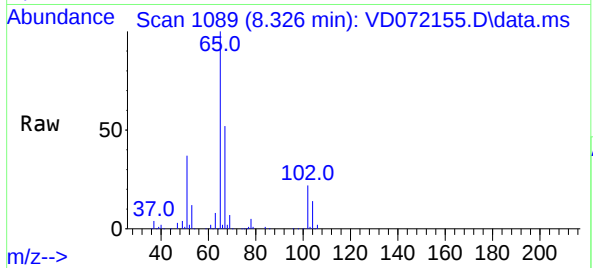




#33
1,2-Dichloroethane-d4
Concen: 95.203 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

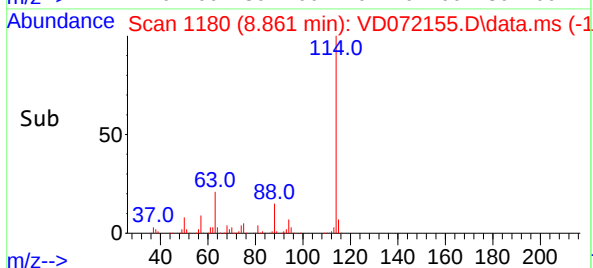
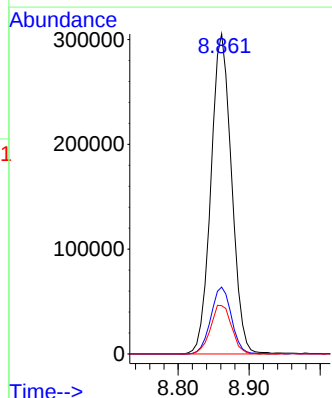
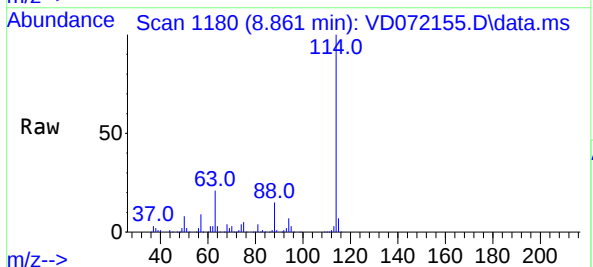
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT1-2022

Tgt Ion: 65 Resp: 399562
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 114 Resp: 614920
Ion Ratio Lower Upper
114 100
63 20.9 0.0 46.6
88 15.1 0.0 33.2

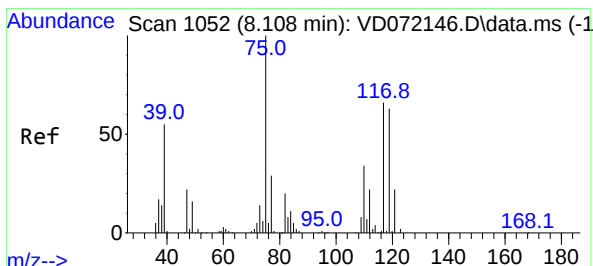
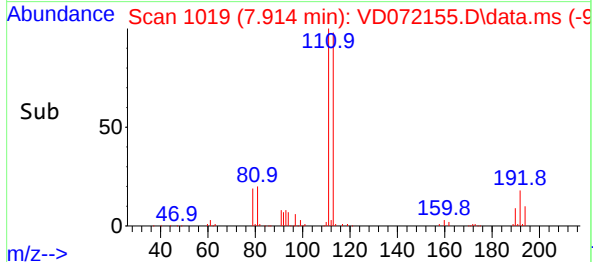
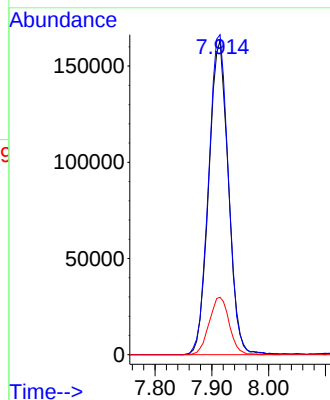
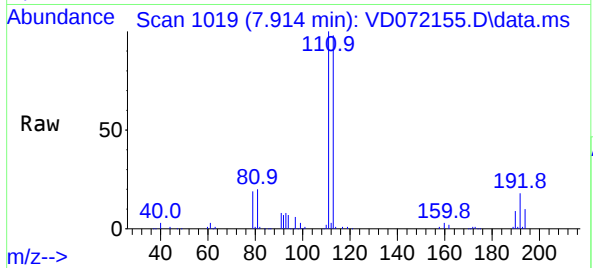




#35
Dibromofluoromethane
Concen: 90.129 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

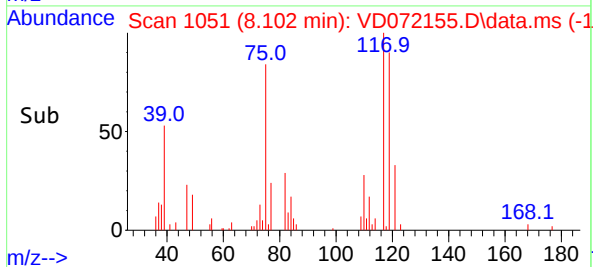
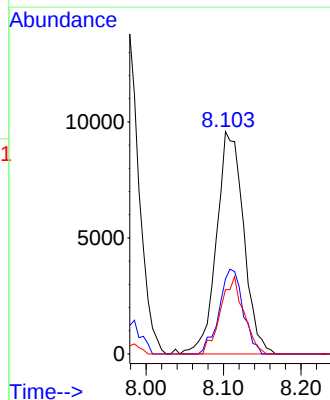
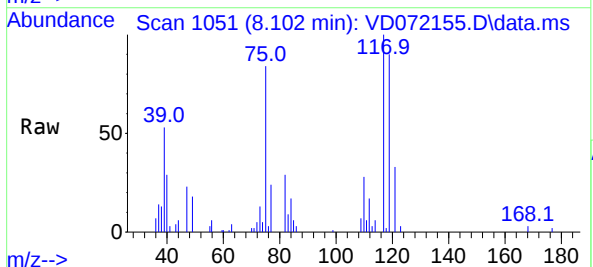
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

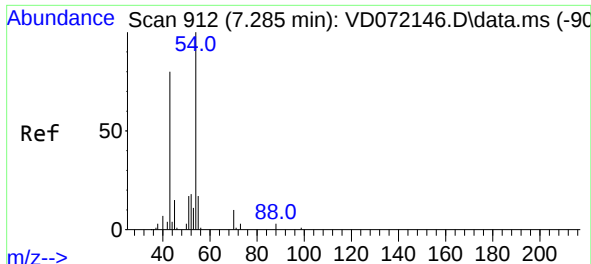
Tgt Ion:113 Resp: 390008
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 18.7 14.6 21.8



#36
1,1-Dichloropropene
Concen: 3.839 ug/l
RT: 8.102 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 75 Resp: 23306
Ion Ratio Lower Upper
75 100
110 33.7 16.4 49.1
77 29.8 24.2 36.2





#37

Ethyl Acetate

Concen: 4.373 ug/l

RT: 7.291 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2022

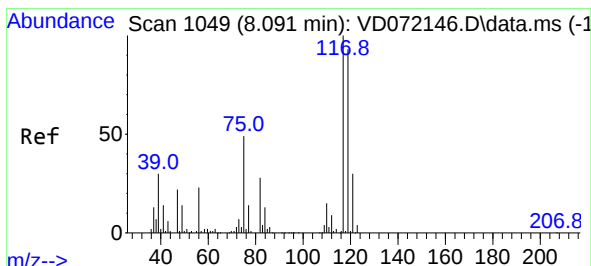
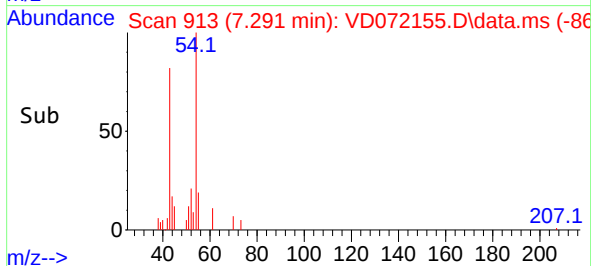
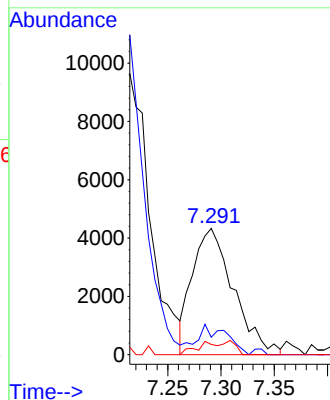
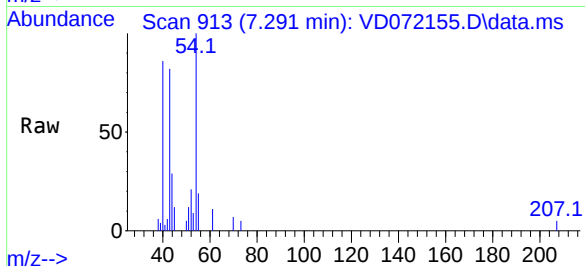
Tgt Ion: 43 Resp: 11629

Ion Ratio Lower Upper

43 100

61 15.1 9.8 14.8#

70 5.1 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 4.060 ug/l

RT: 8.097 min Scan# 1050

Delta R.T. 0.006 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

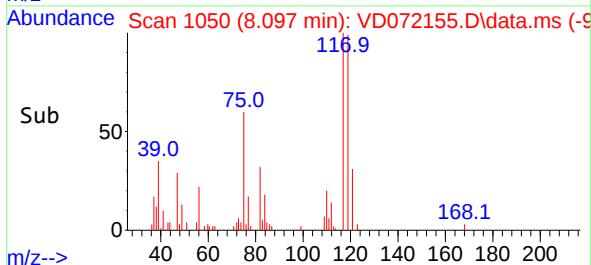
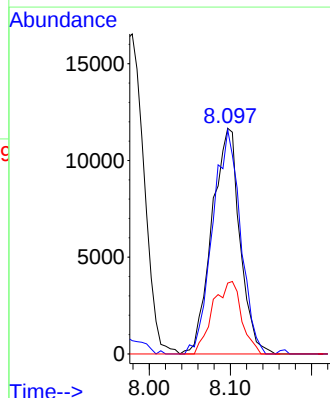
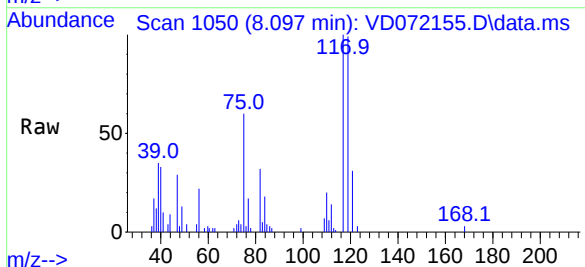
Tgt Ion: 117 Resp: 28013

Ion Ratio Lower Upper

117 100

119 99.2 75.8 113.6

121 31.4 24.5 36.7





#39

Methylcyclohexane

Concen: 3.365 ug/l

RT: 9.349 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2022

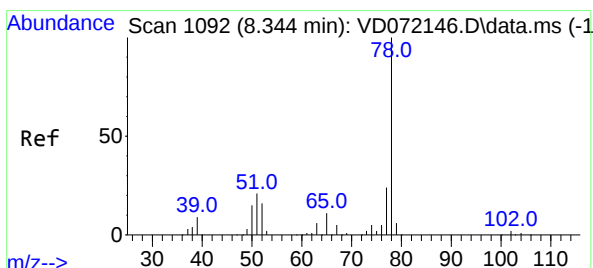
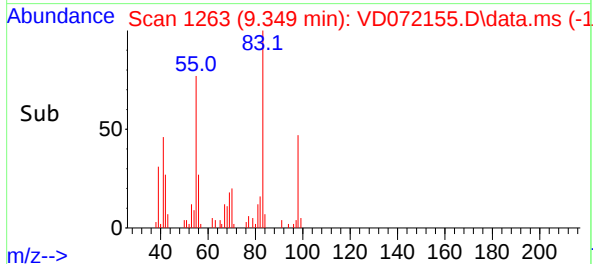
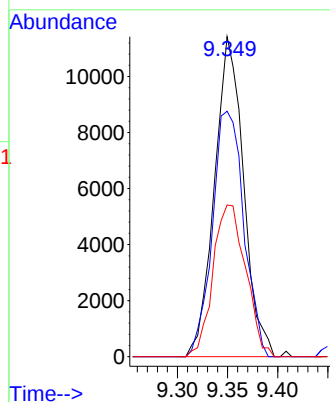
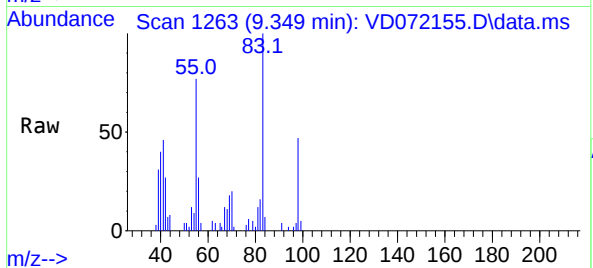
Tgt Ion: 83 Resp: 22987

Ion Ratio Lower Upper

83 100

55 76.7 63.2 94.8

98 47.4 38.2 57.4



#40

Benzene

Concen: 4.121 ug/l

RT: 8.350 min Scan# 1093

Delta R.T. 0.006 min

Lab File: VD072155.D

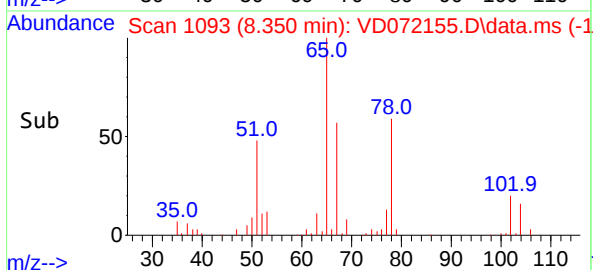
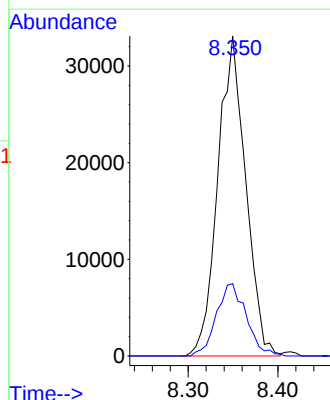
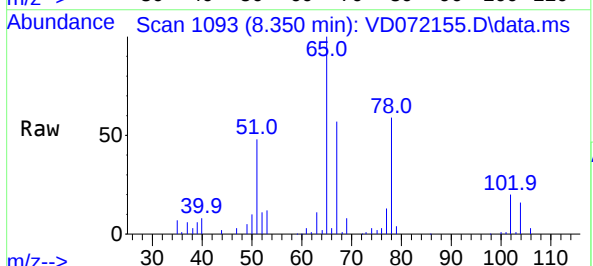
Acq: 11 Mar 2022 17:36

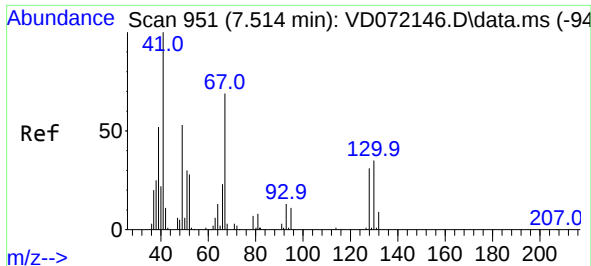
Tgt Ion: 78 Resp: 71370

Ion Ratio Lower Upper

78 100

77 22.6 19.1 28.7

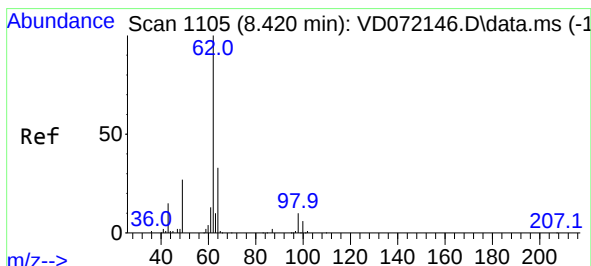
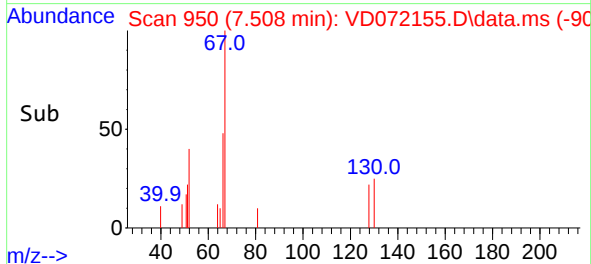
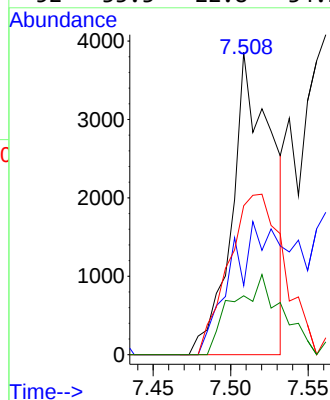
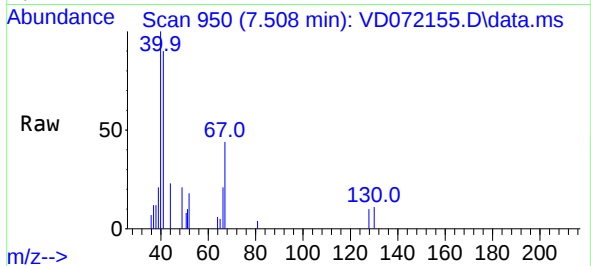




#41
Methacrylonitrile
Concen: 4.447 ug/l
RT: 7.508 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

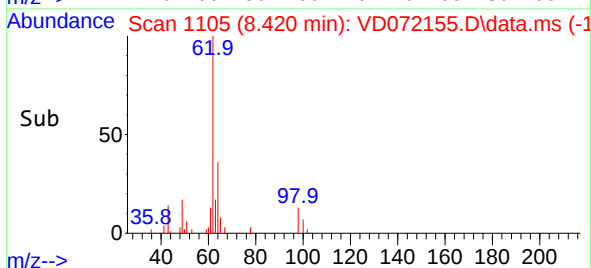
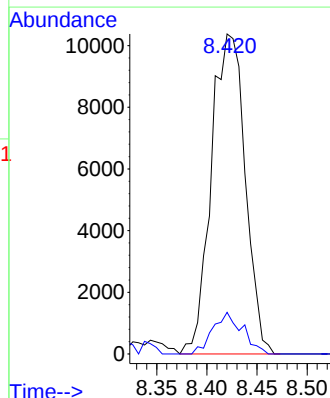
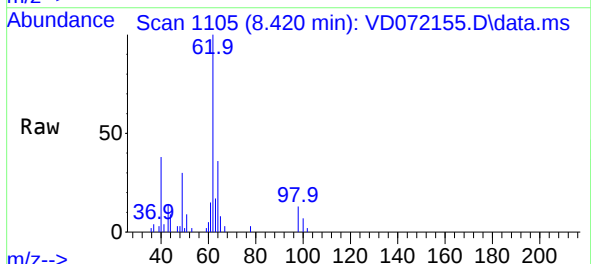
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:	41	Resp:	6893
Ion	Ratio	Lower	Upper
41	100		
39	58.2	44.6	67.0
67	75.6	48.2	72.4#
52	33.3	22.8	34.2



#42
1,2-Dichloroethane
Concen: 4.661 ug/l
RT: 8.420 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:	62	Resp:	24485
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	17.6

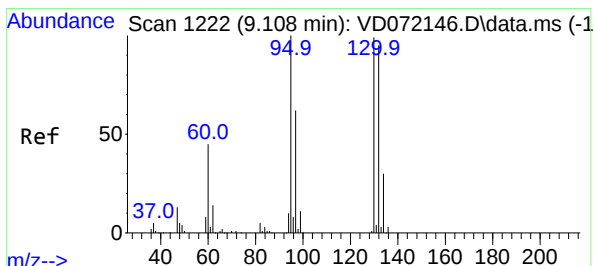
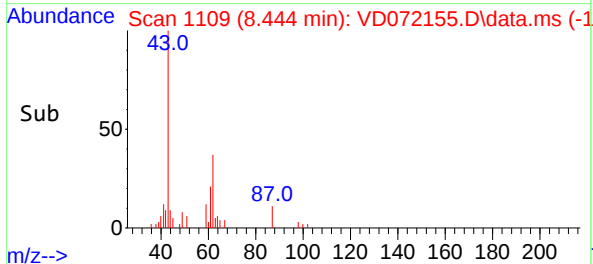
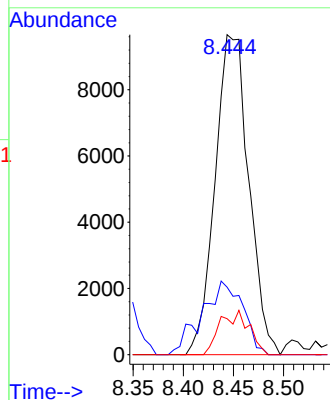
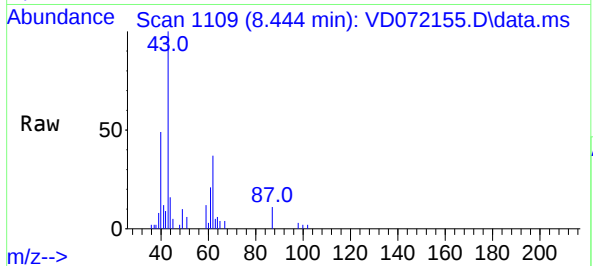




#43
Isopropyl Acetate
Concen: 4.382 ug/l
RT: 8.444 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

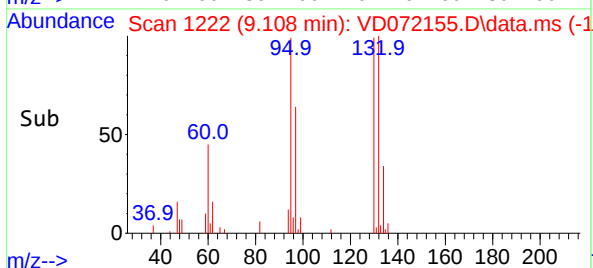
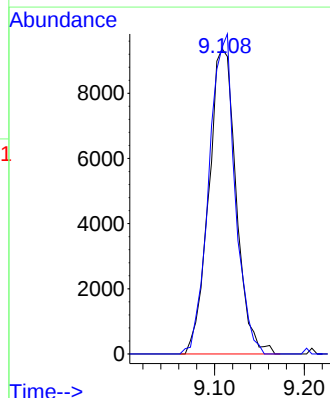
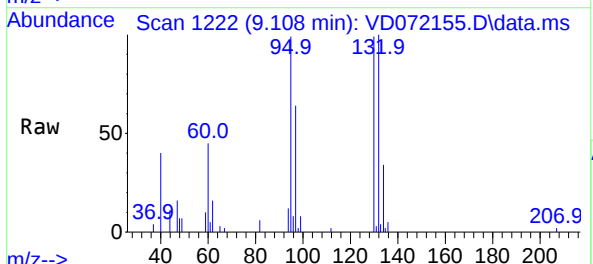
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT1-2022

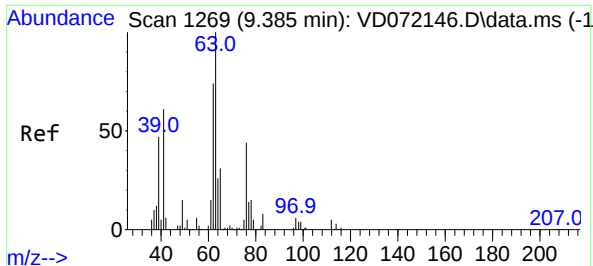
Tgt Ion:	43	Resp:	22617
Ion	Ratio	Lower	Upper
43	100		
61	28.0	22.4	33.6
87	6.2	8.7	13.1



#44
Trichloroethene
Concen: 4.076 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:	130	Resp:	19818
Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	205.4

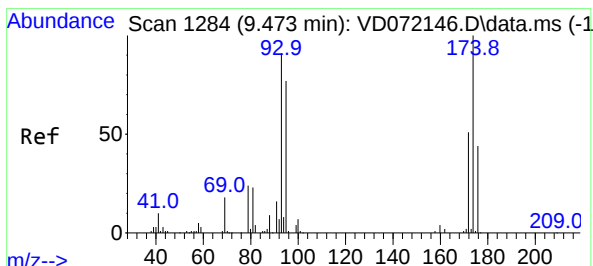
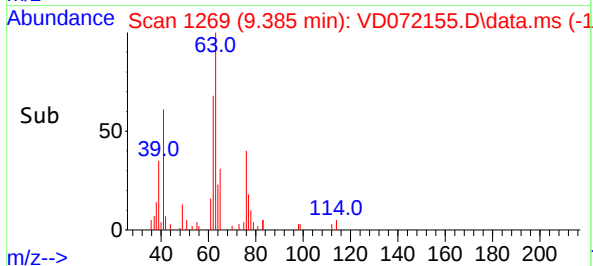
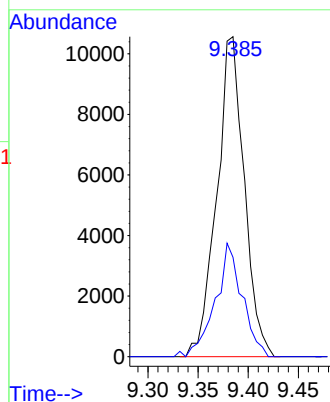
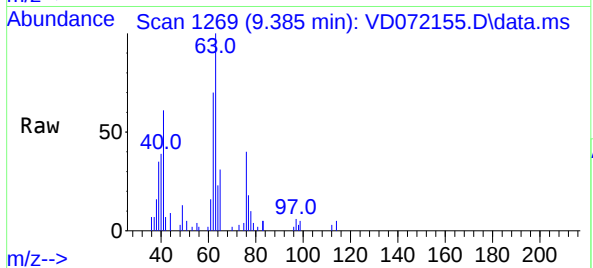




#45
1,2-Dichloropropane
Concen: 4.238 ug/l
RT: 9.385 min Scan# 1269
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

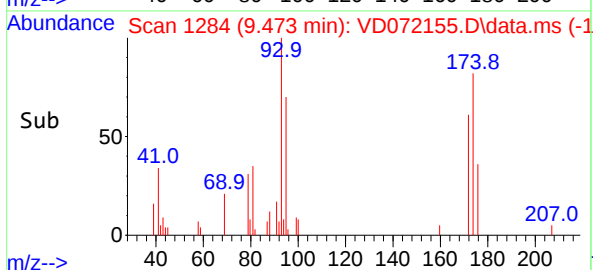
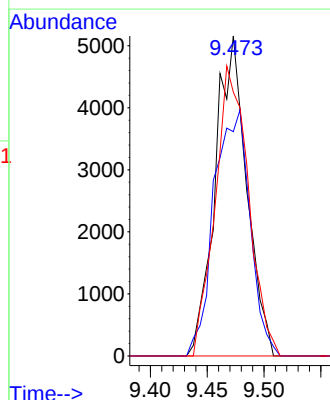
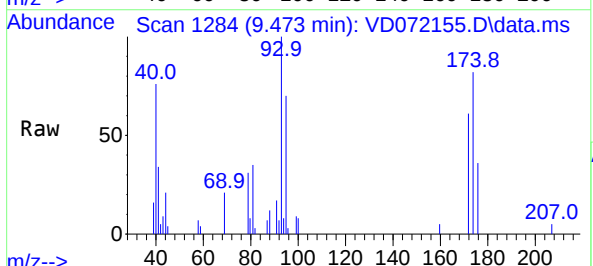
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT1-2022

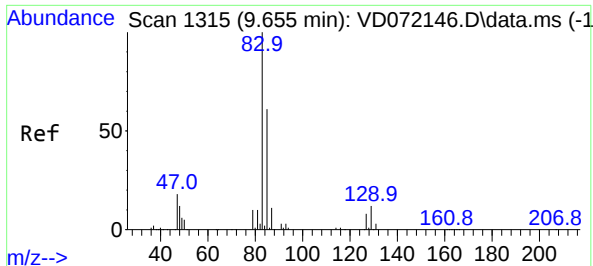
Tgt Ion: 63 Resp: 20130
Ion Ratio Lower Upper
63 100
65 31.1 26.2 39.4



#46
Dibromomethane
Concen: 4.256 ug/l
RT: 9.473 min Scan# 1284
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 93 Resp: 9944
Ion Ratio Lower Upper
93 100
95 87.6 66.7 100.1
174 95.7 71.6 107.4

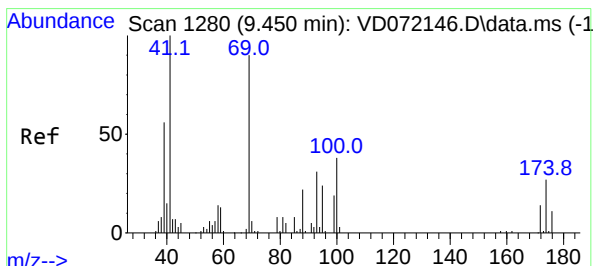
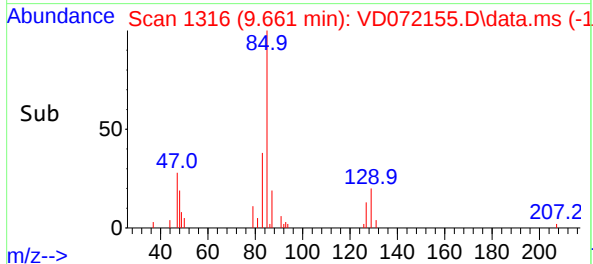
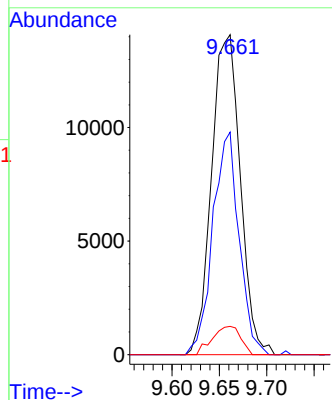
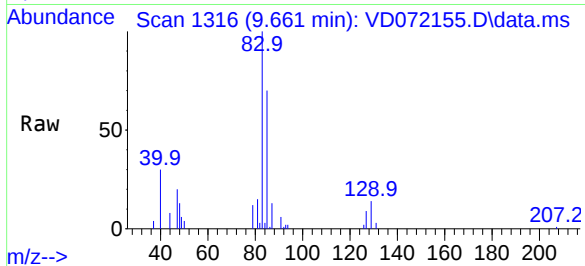




#47
Bromodichloromethane
Concen: 4.367 ug/l
RT: 9.661 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

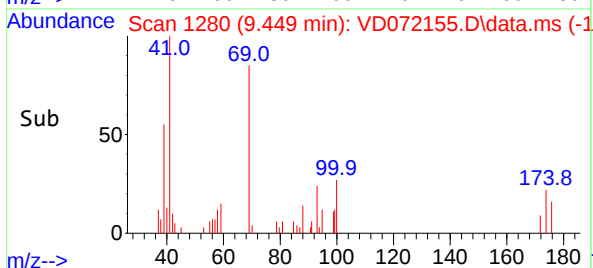
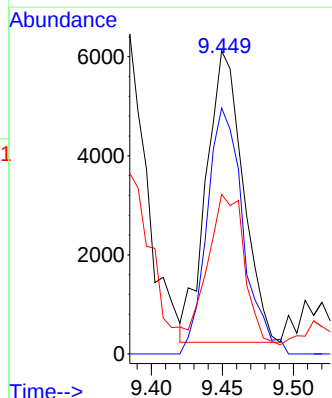
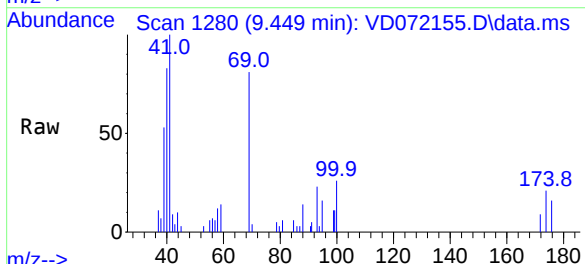
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

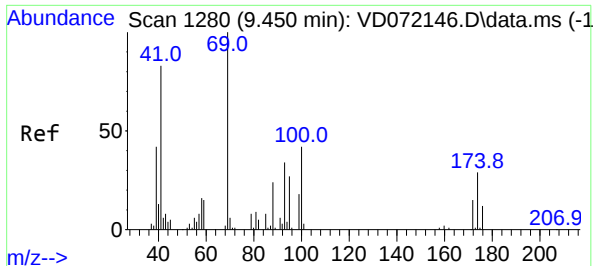
Tgt Ion: 83 Resp: 29747
Ion Ratio Lower Upper
83 100
85 69.5 51.4 77.0
127 8.9 6.1 9.1



#48
Methyl methacrylate
Concen: 4.305 ug/l
RT: 9.449 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 41 Resp: 10610
Ion Ratio Lower Upper
41 100
69 83.0 56.7 85.1
39 57.3 42.7 64.1

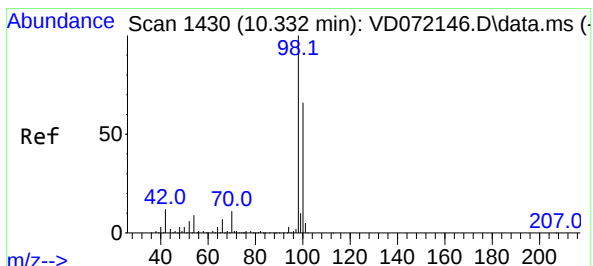
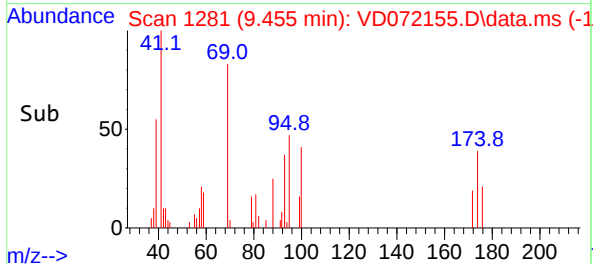
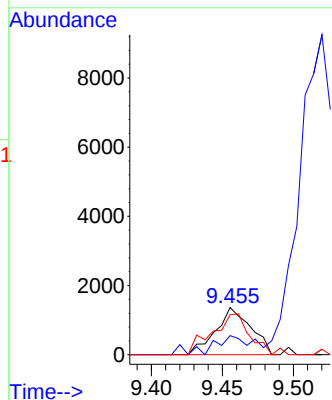
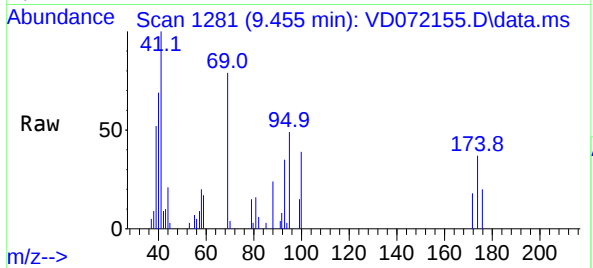




#49
1,4-Dioxane
Concen: 83.877 ug/l
RT: 9.455 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

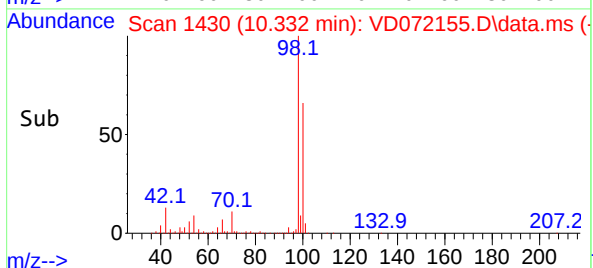
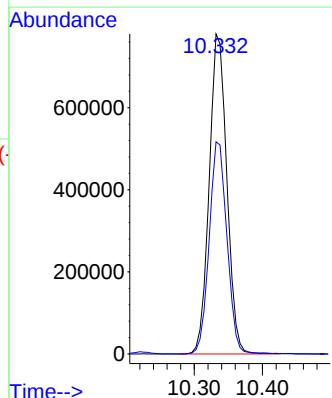
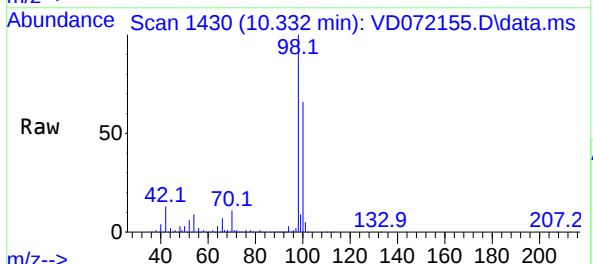
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

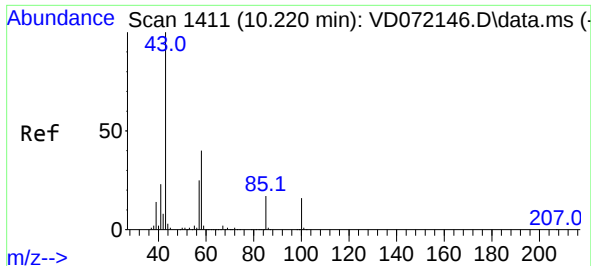
Tgt Ion: 88 Resp: 2350
Ion Ratio Lower Upper
88 100
43 42.8 31.0 46.4
58 94.0 58.1 87.1#



#50
Toluene-d8
Concen: 88.822 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 98 Resp: 1405393
Ion Ratio Lower Upper
98 100
100 66.8 52.4 78.6

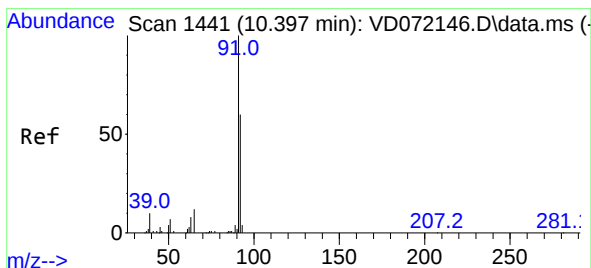
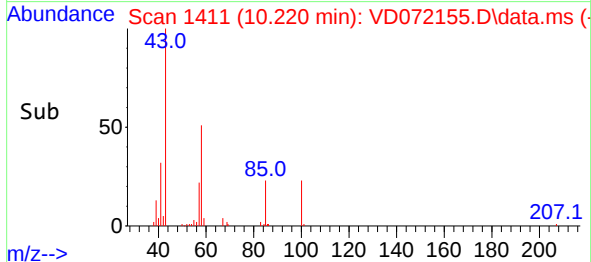
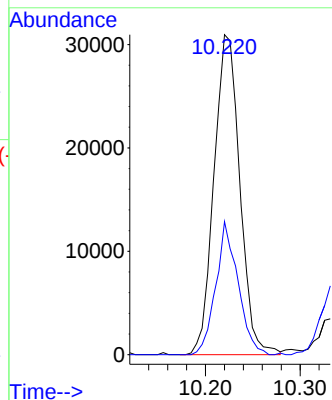
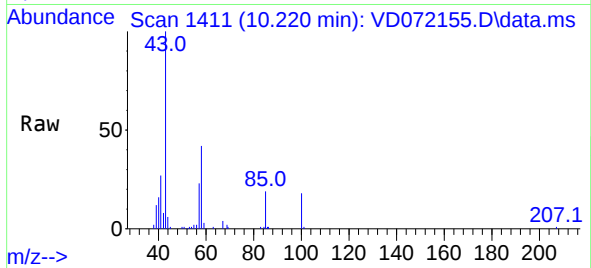




#51
4-Methyl-2-Pentanone
Concen: 21.653 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

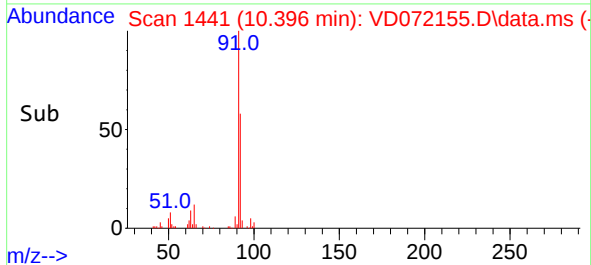
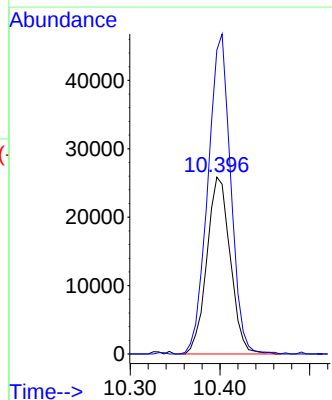
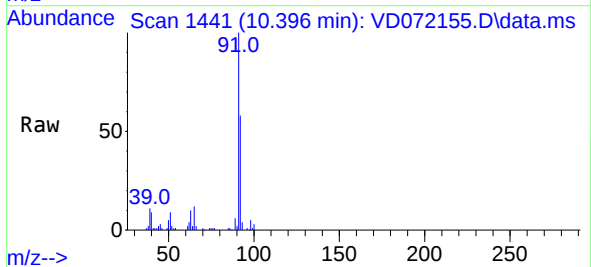
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

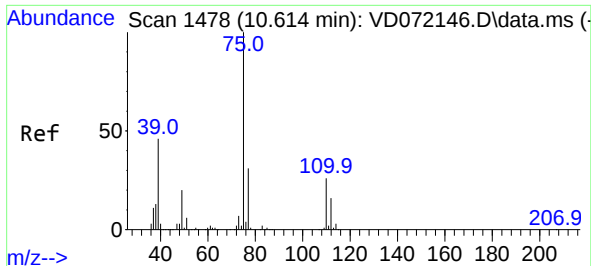
Tgt Ion: 43 Resp: 58699
Ion Ratio Lower Upper
43 100
58 35.8 28.6 43.0



#52
Toluene
Concen: 4.107 ug/l
RT: 10.396 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 92 Resp: 46804
Ion Ratio Lower Upper
92 100
91 176.6 139.6 209.4

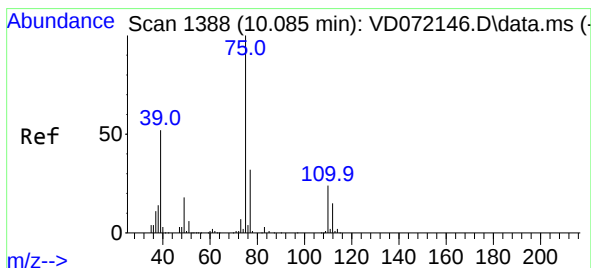
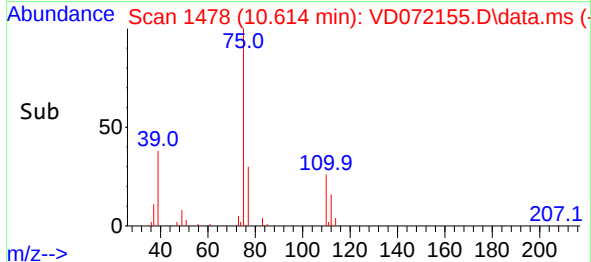
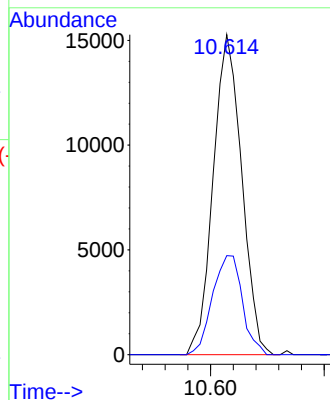
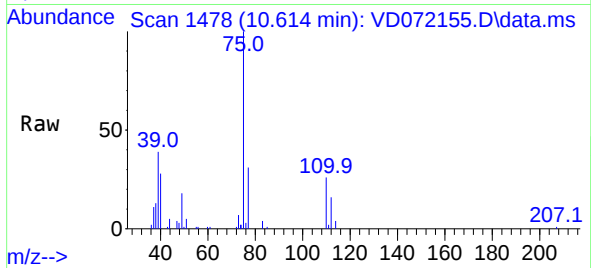




#53
t-1,3-Dichloropropene
Concen: 4.276 ug/l
RT: 10.614 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

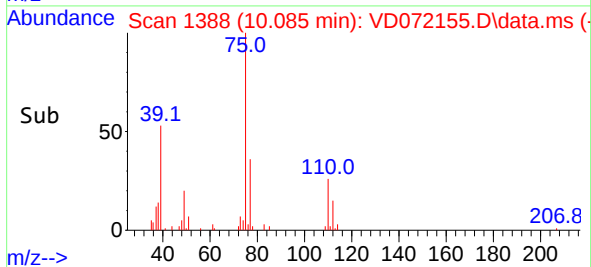
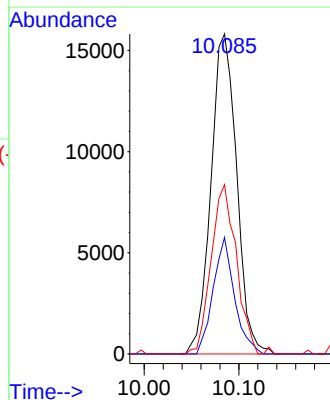
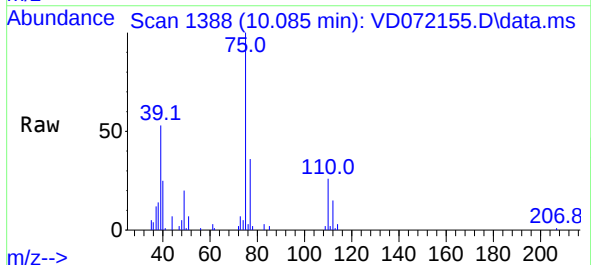
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT1-2022

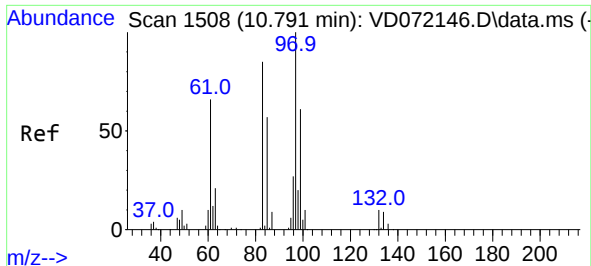
Tgt Ion: 75 Resp: 26609
Ion Ratio Lower Upper
75 100
77 31.0 24.5 36.7



#54
cis-1,3-Dichloropropene
Concen: 4.148 ug/l
RT: 10.085 min Scan# 1388
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 75 Resp: 29837
Ion Ratio Lower Upper
75 100
77 36.4 24.8 37.2
39 52.9 46.8 70.2

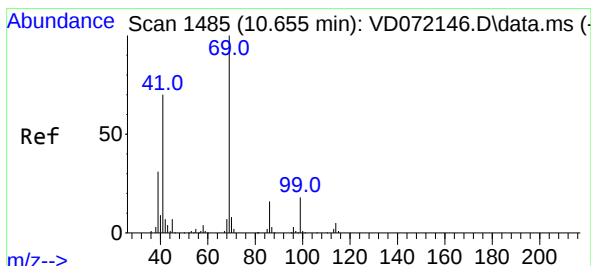
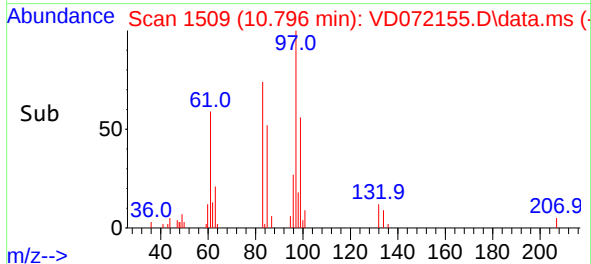
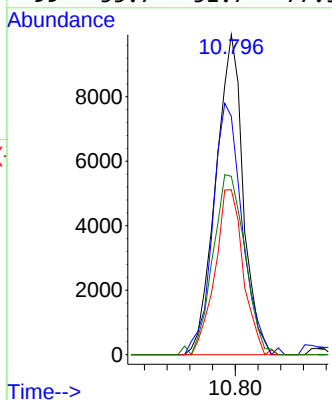
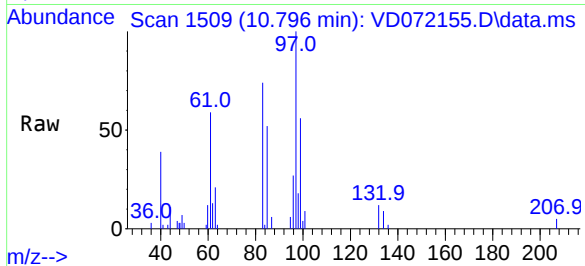




#55
1,1,2-Trichloroethane
Concen: 4.656 ug/l
RT: 10.796 min Scan# 1508
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

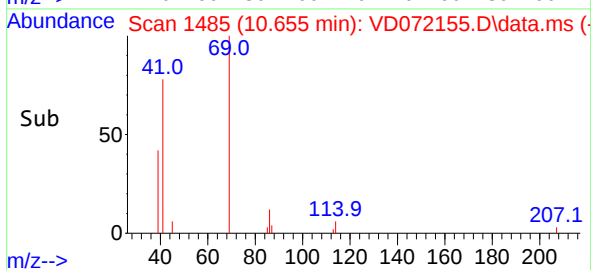
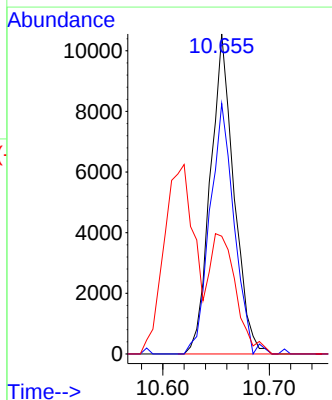
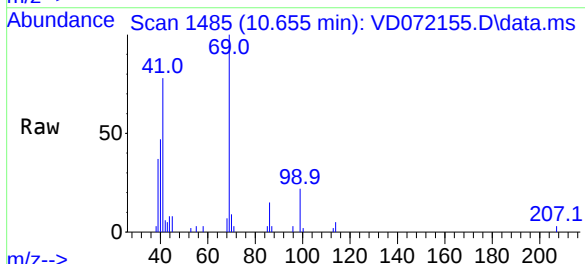
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

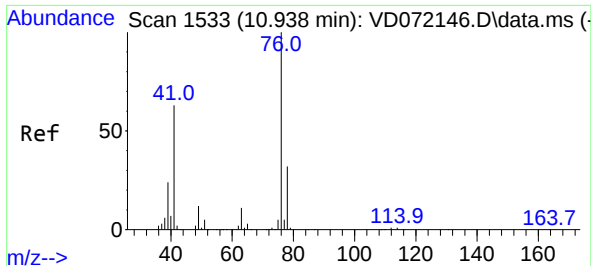
Tgt Ion:	97	Resp:	16571
Ion	Ratio	Lower	Upper
97	100		
83	74.5	69.0	103.4
85	51.5	42.6	63.8
99	55.7	51.7	77.5



#56
Ethyl methacrylate
Concen: 3.894 ug/l
RT: 10.655 min Scan# 1485
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:	69	Resp:	16233
Ion	Ratio	Lower	Upper
69	100		
41	80.3	63.0	94.6
39	42.1	33.8	50.8





#57

1,3-Dichloropropane

Concen: 4.403 ug/l

RT: 10.944 min Scan# 1534

Delta R.T. 0.006 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

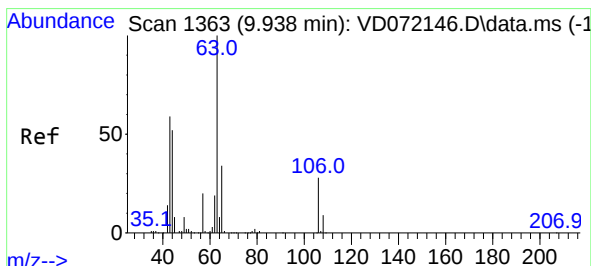
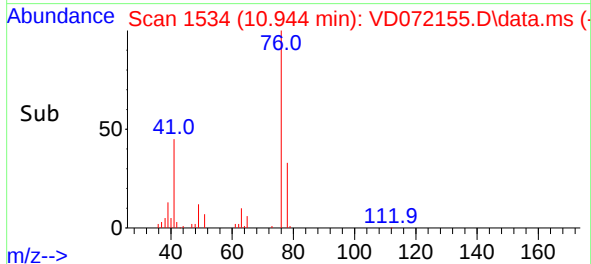
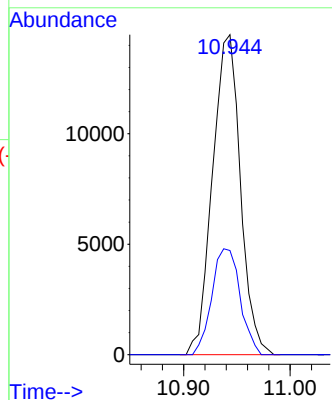
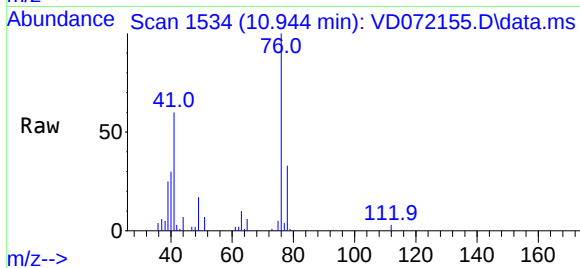
LOQ-SOIL-02-QT1-2022

Tgt Ion: 76 Resp: 26301

Ion Ratio Lower Upper

76 100

78 33.6 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 20.848 ug/l

RT: 9.938 min Scan# 1363

Delta R.T. -0.000 min

Lab File: VD072155.D

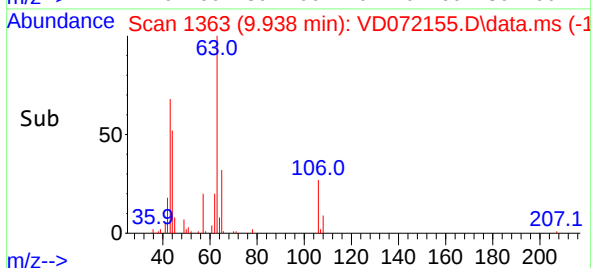
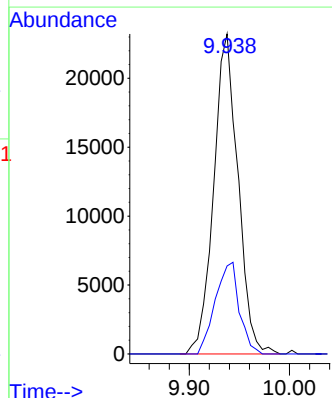
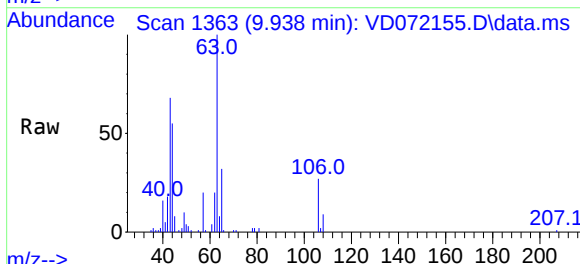
Acq: 11 Mar 2022 17:36

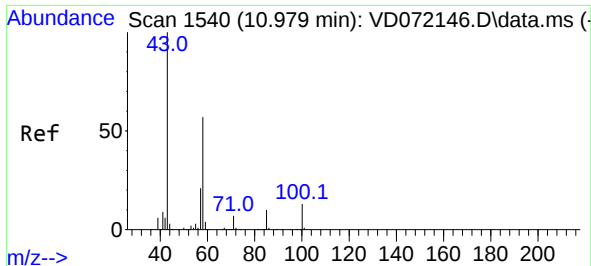
Tgt Ion: 63 Resp: 39077

Ion Ratio Lower Upper

63 100

106 28.2 21.4 32.0

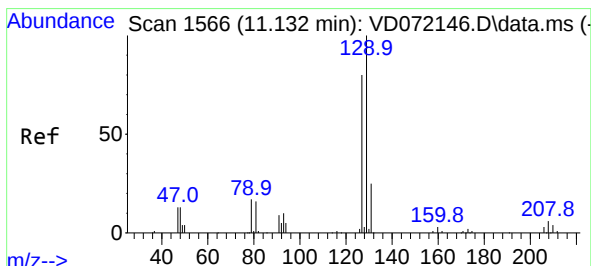
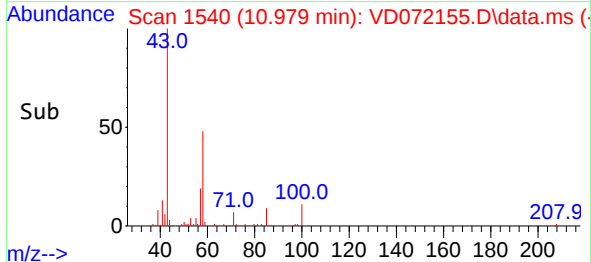
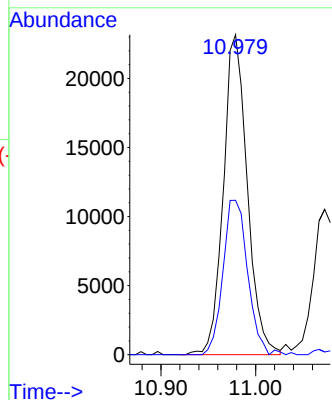
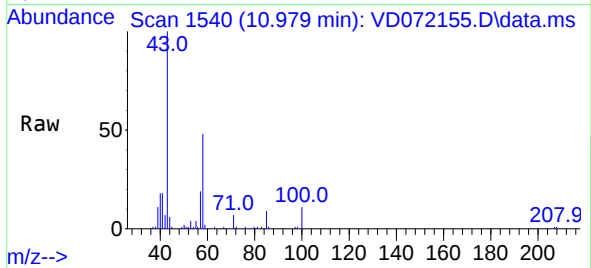




#59
2-Hexanone
Concen: 21.734 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

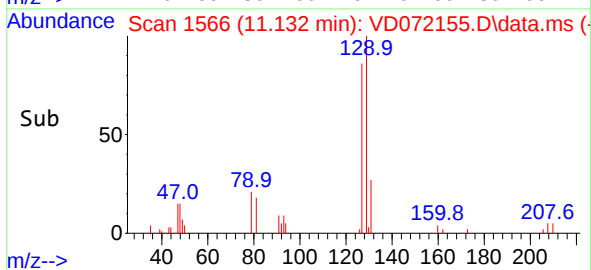
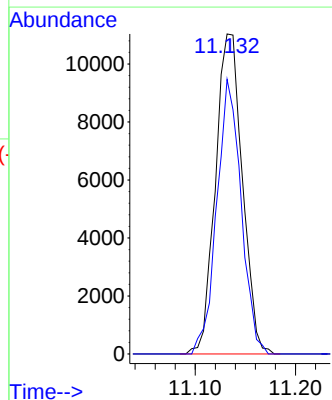
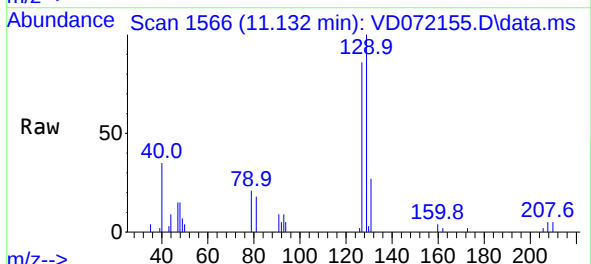
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

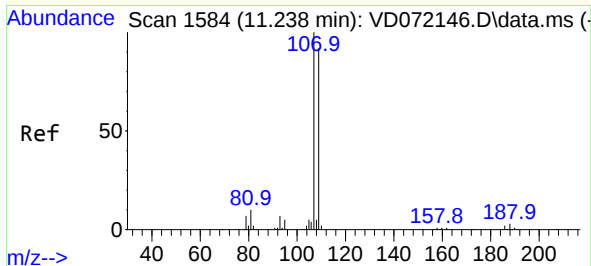
Tgt Ion: 43 Resp: 40693
Ion Ratio Lower Upper
43 100
58 49.9 25.3 75.9



#60
Dibromochloromethane
Concen: 4.459 ug/l
RT: 11.132 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 129 Resp: 20592
Ion Ratio Lower Upper
129 100
127 77.6 39.2 117.6

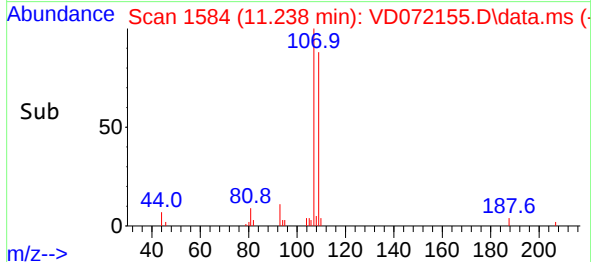
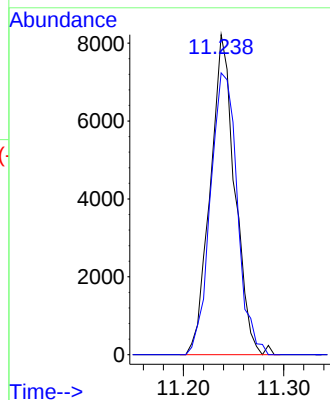
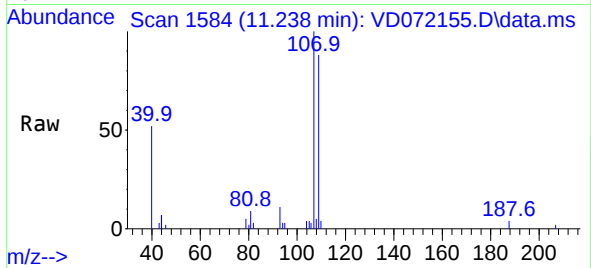




#61
1,2-Dibromoethane
Concen: 4.354 ug/l
RT: 11.238 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

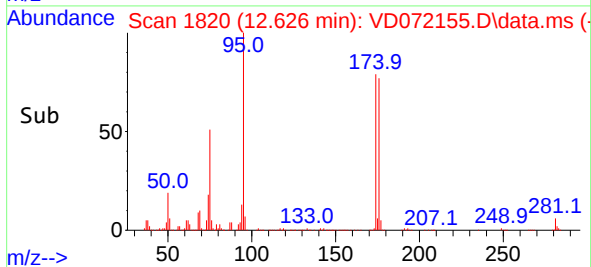
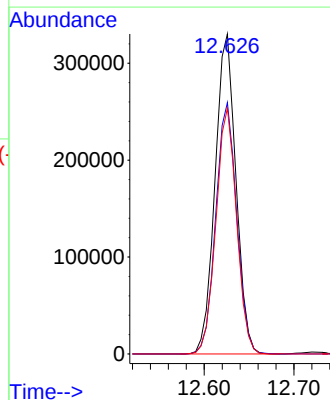
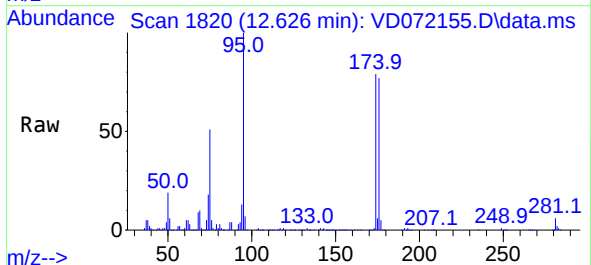
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

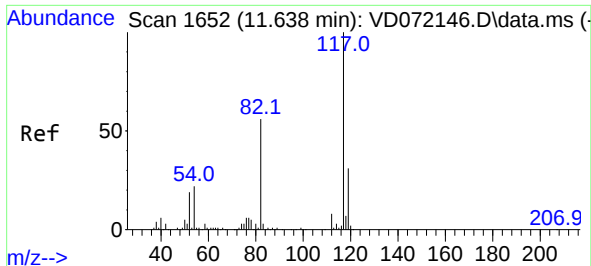
Tgt Ion:107 Resp: 14002
Ion Ratio Lower Upper
107 100
109 95.9 74.2 111.4



#62
4-Bromofluorobenzene
Concen: 86.703 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 95 Resp: 533048
Ion Ratio Lower Upper
95 100
174 78.9 0.0 152.8
176 75.7 0.0 145.4

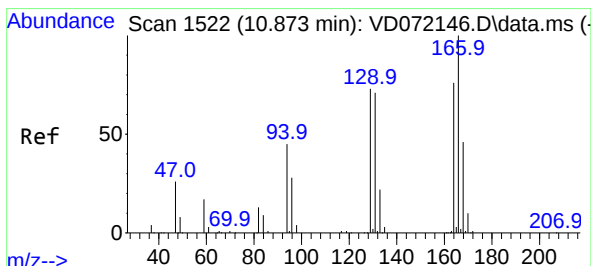
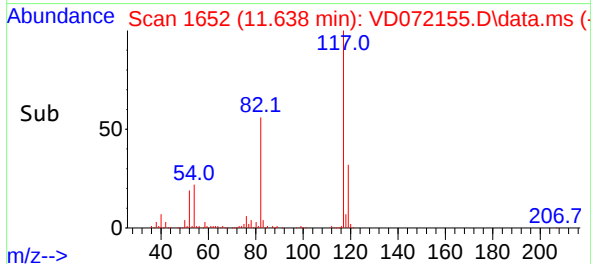
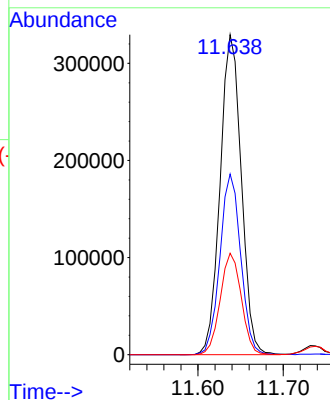
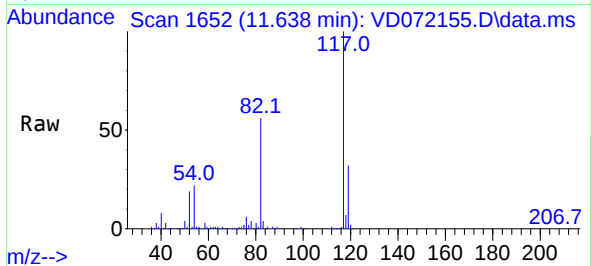




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

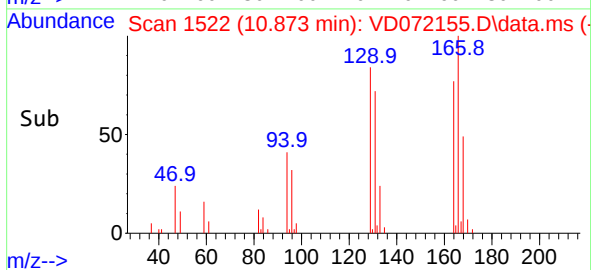
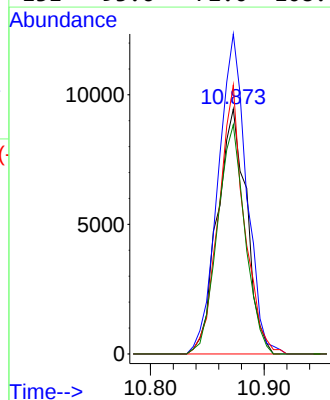
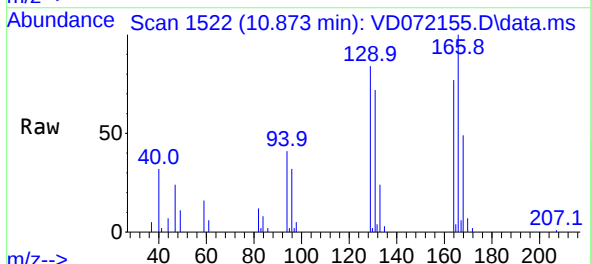
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

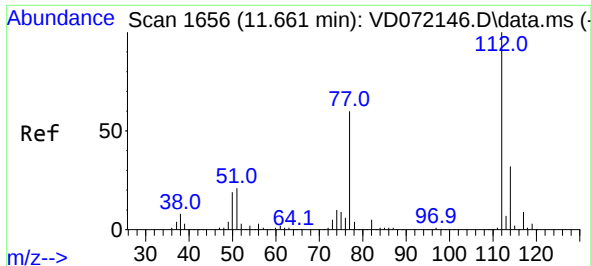
Tgt Ion:	117	Resp:	568543
Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.3	67.9
119	31.7	26.6	40.0



#64
Tetrachloroethene
Concen: 4.199 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:	164	Resp:	16819
Ion	Ratio	Lower	Upper
164	100		
166	130.6	98.5	147.7
129	109.8	74.6	111.8
131	93.6	72.0	108.0

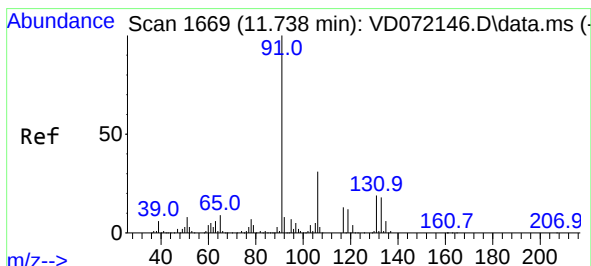
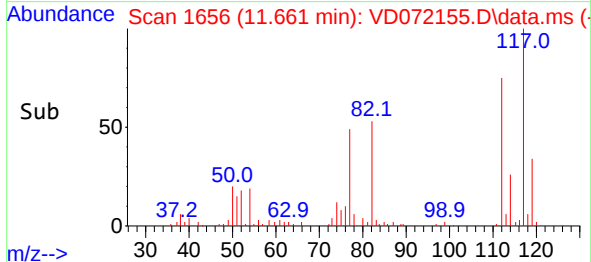
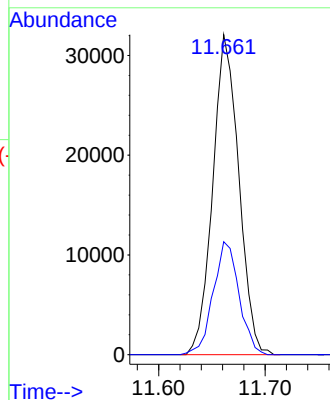
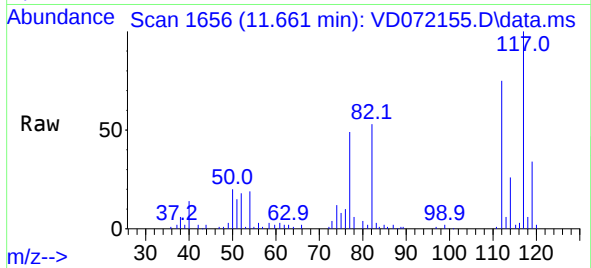




#65
Chlorobenzene
Concen: 4.318 ug/l
RT: 11.661 min Scan# 1656
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

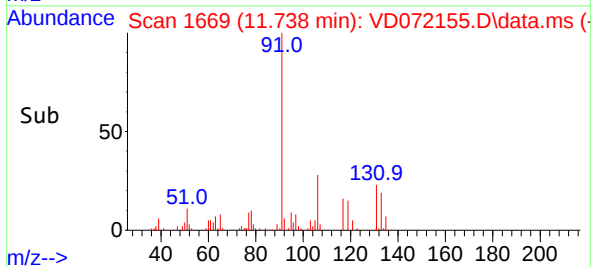
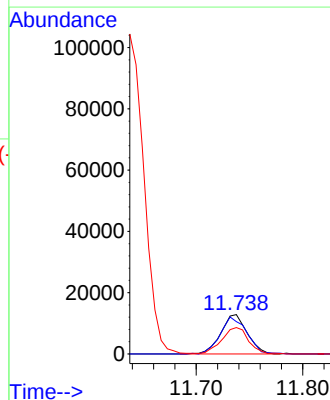
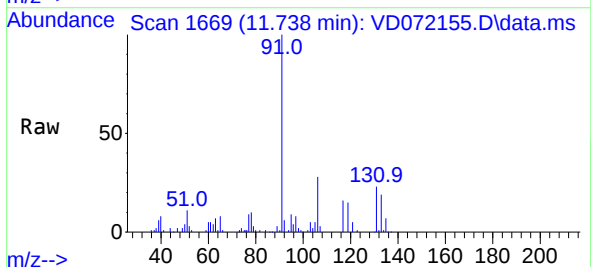
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

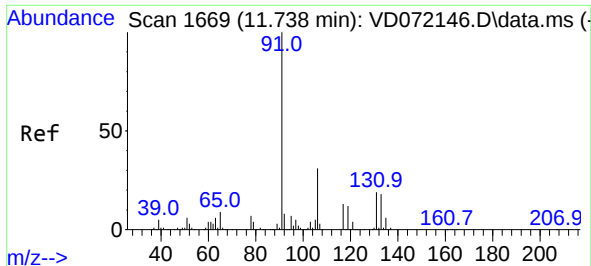
Tgt Ion:112 Resp: 54420
Ion Ratio Lower Upper
112 100
114 35.3 25.8 38.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.425 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:131 Resp: 22055
Ion Ratio Lower Upper
131 100
133 95.3 48.1 144.3
119 68.1 31.9 95.9

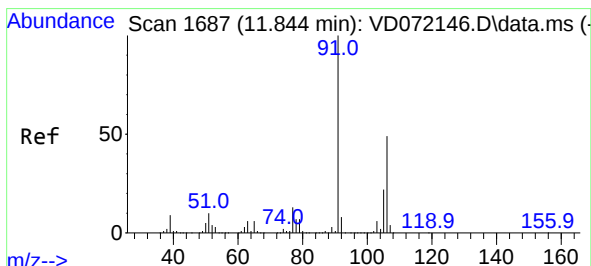
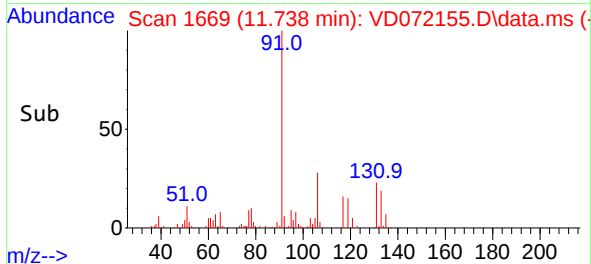
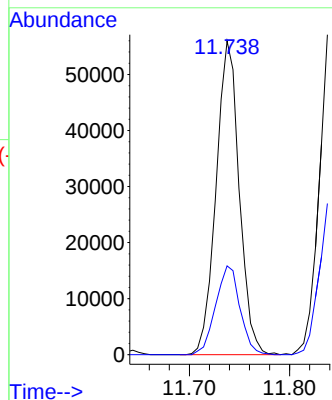
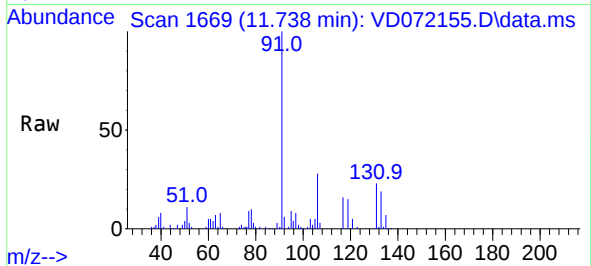




#67
Ethyl Benzene
Concen: 3.982 ug/l
RT: 11.738 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

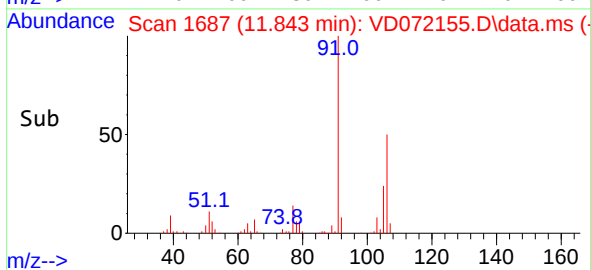
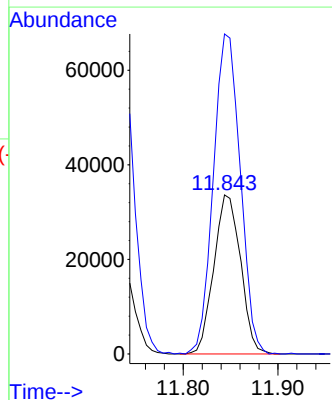
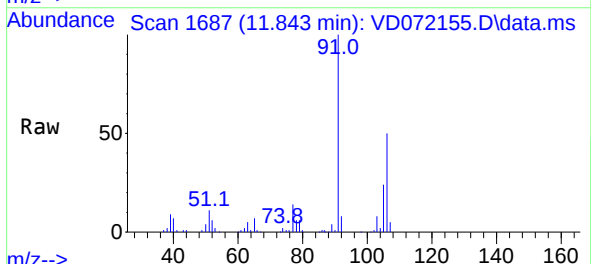
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT1-2022

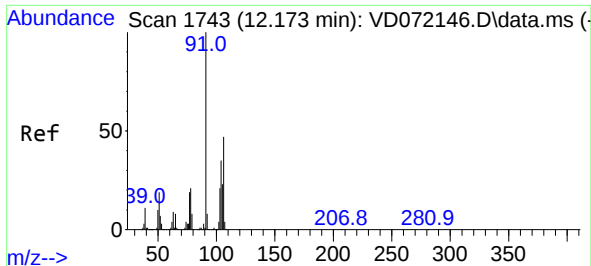
Tgt Ion: 91 Resp: 89633
Ion Ratio Lower Upper
91 100
106 28.3 24.2 36.4



#68
m/p-Xylenes
Concen: 7.716 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:106 Resp: 65958
Ion Ratio Lower Upper
106 100
91 202.5 163.7 245.5

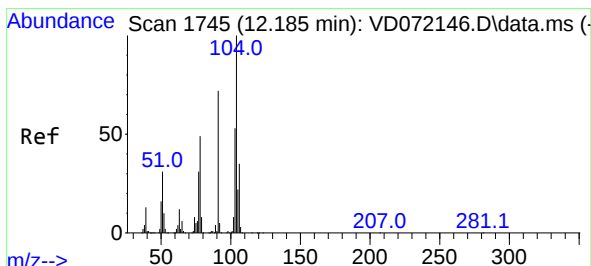
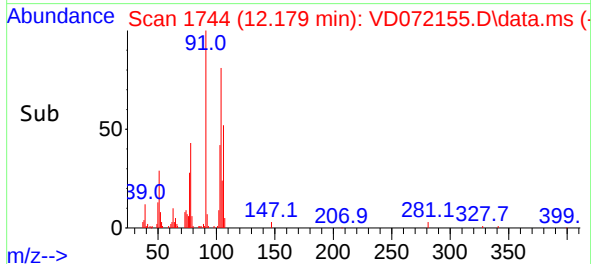
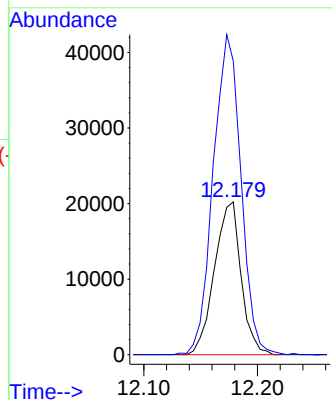
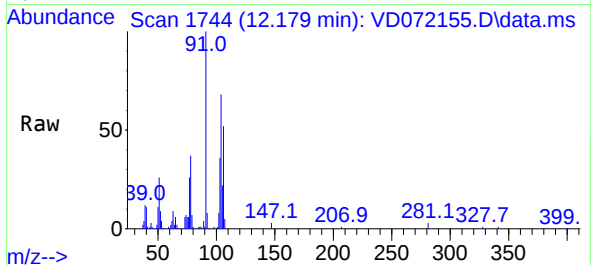




#69
o-Xylene
Concen: 4.022 ug/l
RT: 12.179 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

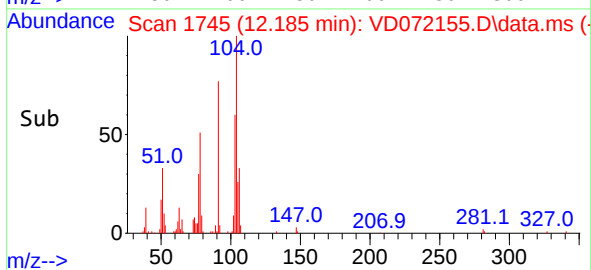
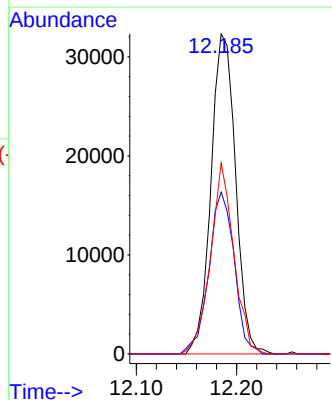
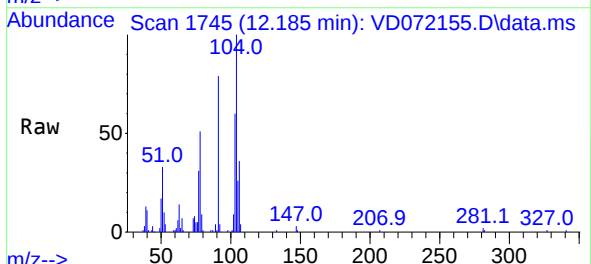
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

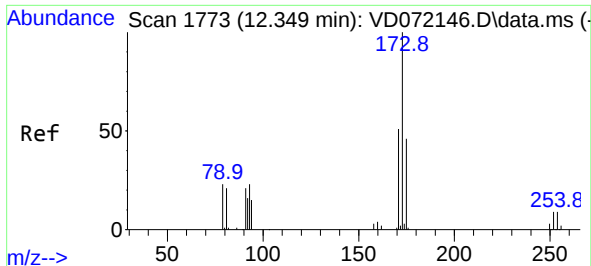
Tgt Ion:106 Resp: 32888
Ion Ratio Lower Upper
106 100
91 218.7 110.4 331.2



#70
Styrene
Concen: 3.861 ug/l
RT: 12.185 min Scan# 1745
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:104 Resp: 55123
Ion Ratio Lower Upper
104 100
78 52.1 41.8 62.8
103 56.8 44.2 66.4

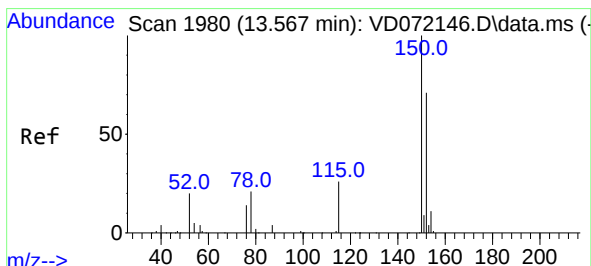
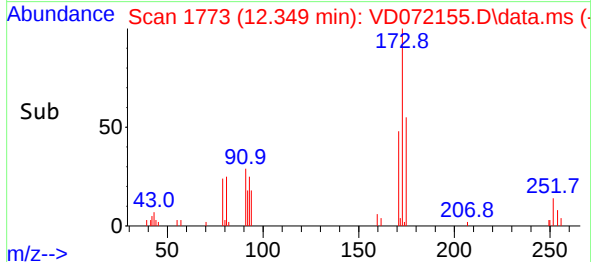
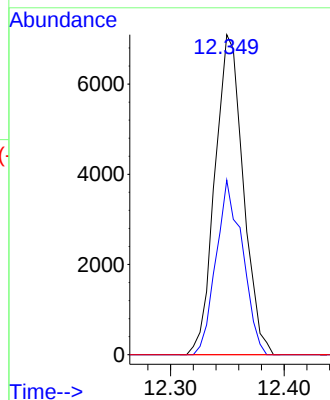
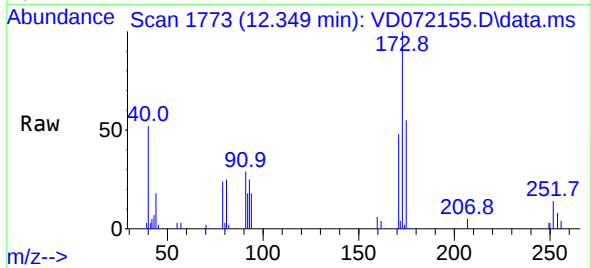




#71
Bromoform
Concen: 4.614 ug/l
RT: 12.349 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

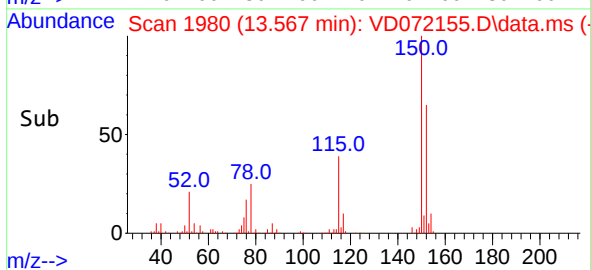
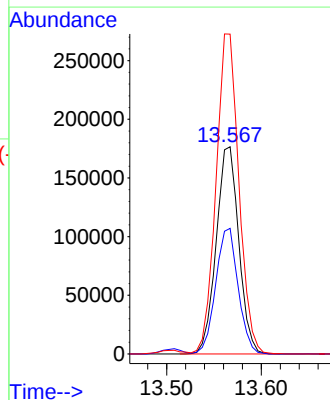
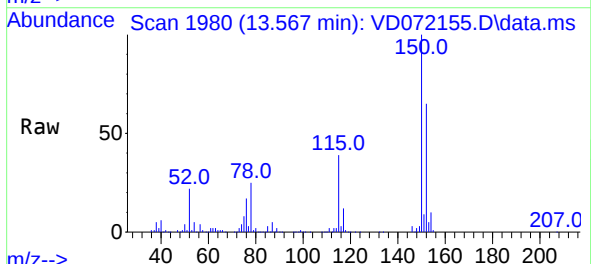
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

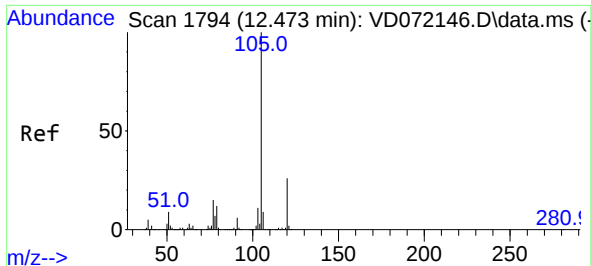
Tgt Ion:173 Resp: 12286
Ion Ratio Lower Upper
173 100
175 50.9 23.9 71.8
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:152 Resp: 292337
Ion Ratio Lower Upper
152 100
115 60.3 31.3 93.8
150 156.4 0.0 348.6

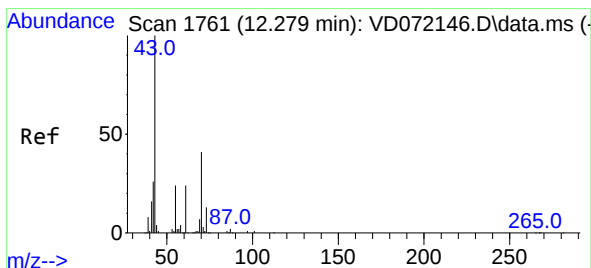
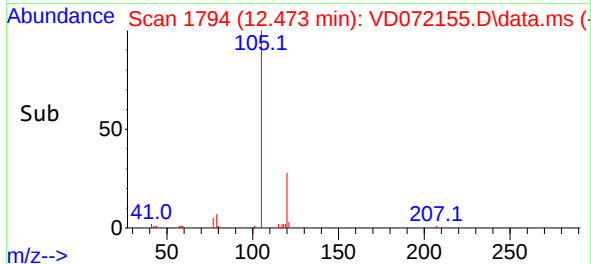
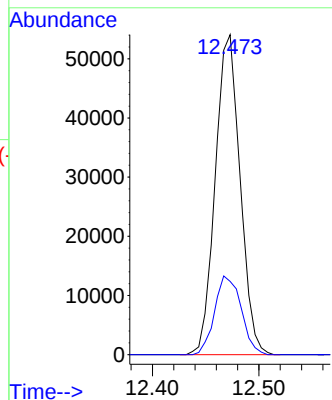
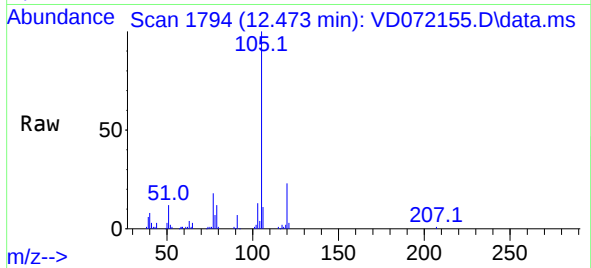




#73
Isopropylbenzene
Concen: 3.775 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

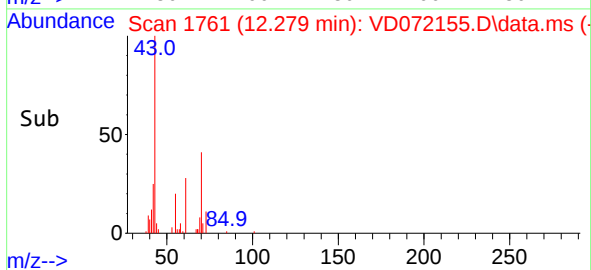
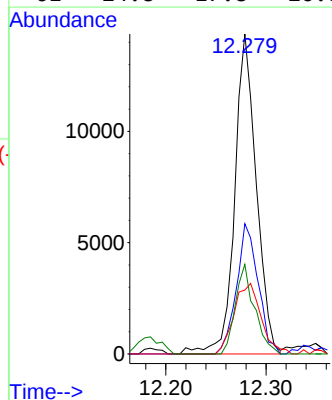
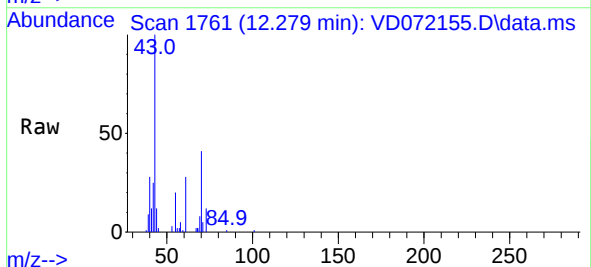
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

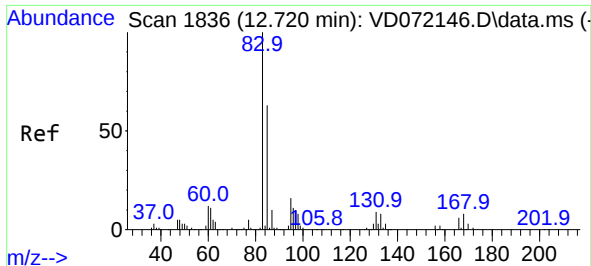
Tgt Ion:105 Resp: 87456
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9



#74
N-ethyl acetate
Concen: 4.332 ug/l
RT: 12.279 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 43 Resp: 21565
Ion Ratio Lower Upper
43 100
70 40.5 31.3 46.9
55 27.6 20.0 30.0
61 24.8 17.8 26.8

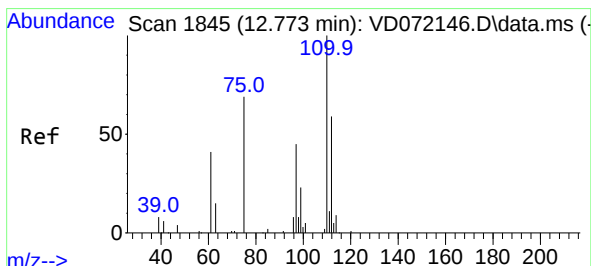
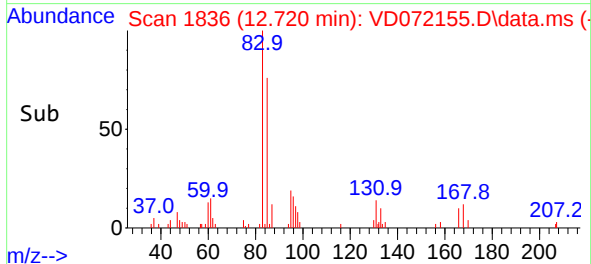
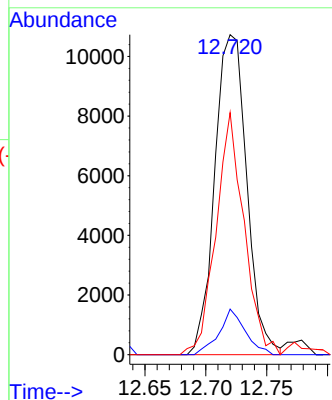
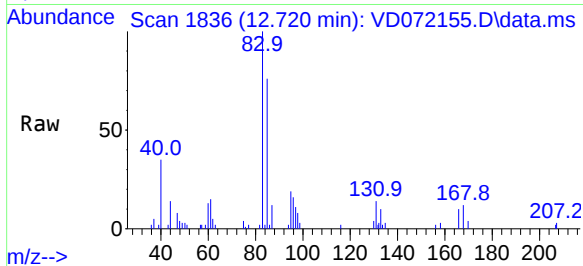




#75
1,1,2-Tetrachloroethane
Concen: 4.742 ug/l
RT: 12.720 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

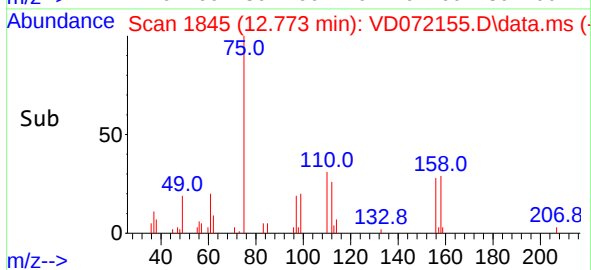
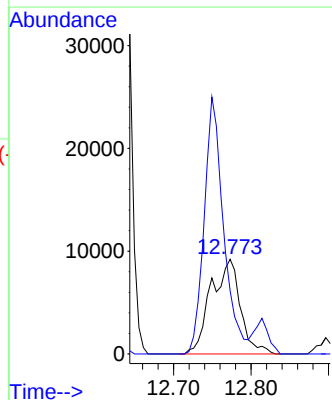
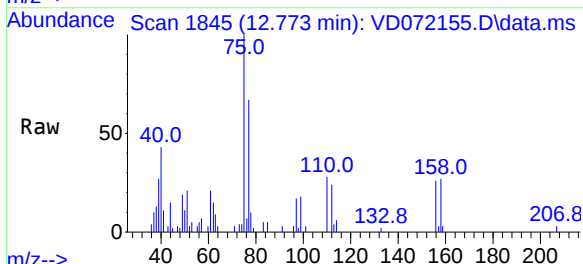
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

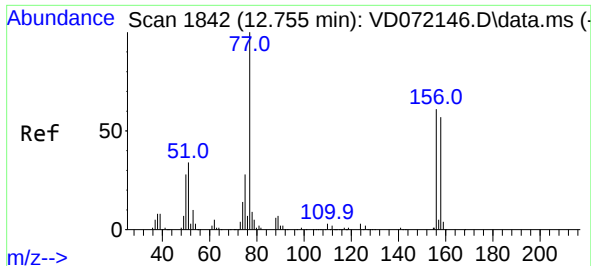
Tgt Ion: 83 Resp: 19646
Ion Ratio Lower Upper
83 100
131 11.7 5.0 14.9
85 66.2 32.6 98.0



#76
1,2,3-Trichloropropane
Concen: 7.536 ug/l
RT: 12.773 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 75 Resp: 24303
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

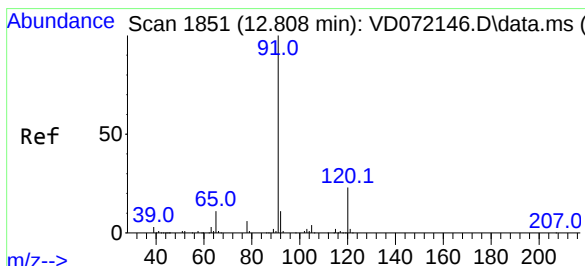
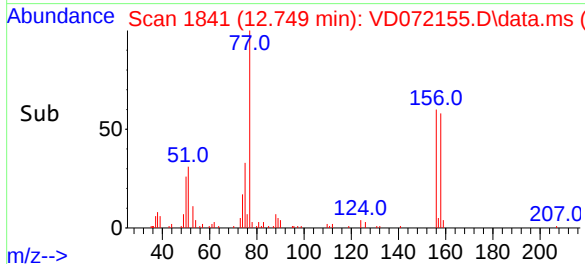
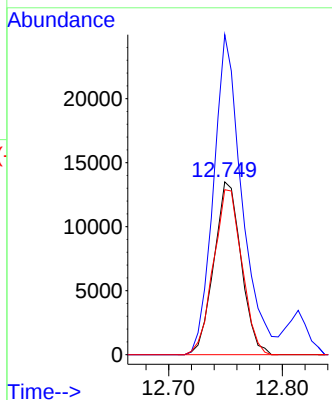
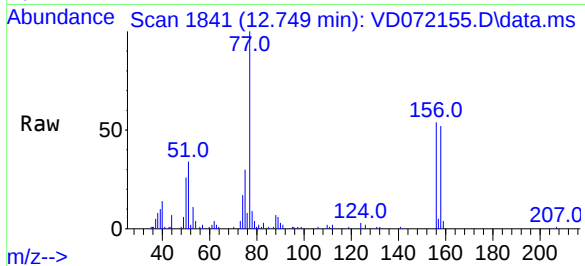




#77
Bromobenzene
Concen: 4.311 ug/l
RT: 12.749 min Scan# 1841
Delta R.T. -0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

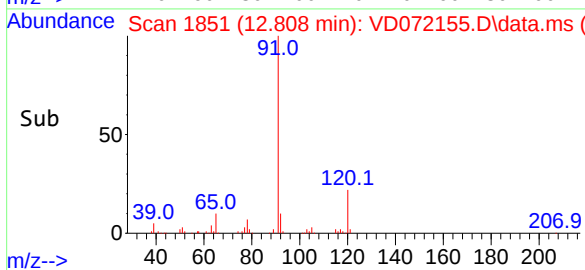
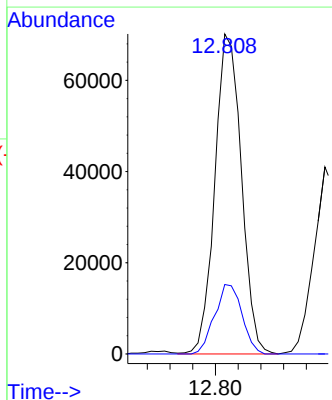
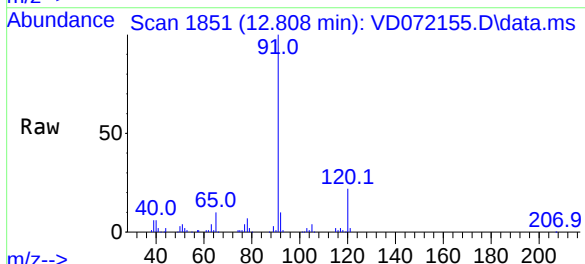
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

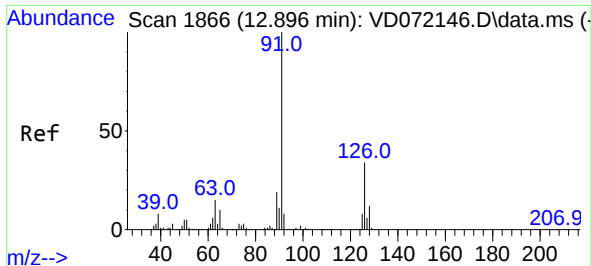
Tgt Ion:156 Resp: 22478
Ion Ratio Lower Upper
156 100
77 194.3 102.8 308.3
158 99.6 48.7 146.1



#78
n-propylbenzene
Concen: 4.041 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 91 Resp: 113719
Ion Ratio Lower Upper
91 100
120 22.4 10.9 32.9

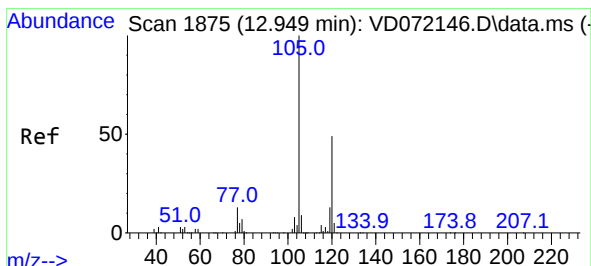
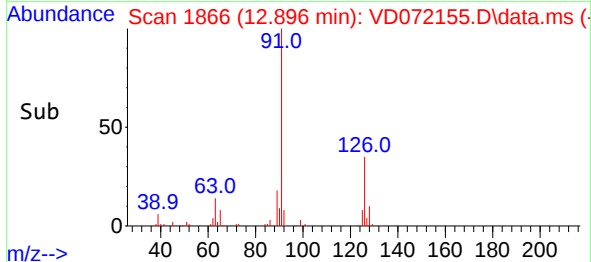
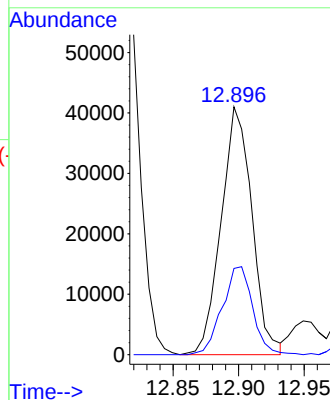
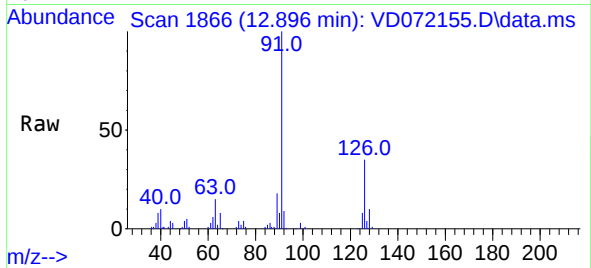




#79
2-Chlorotoluene
Concen: 4.130 ug/l
RT: 12.896 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

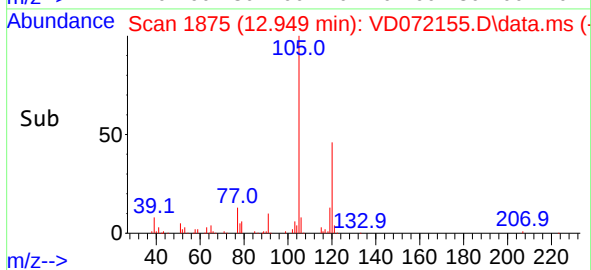
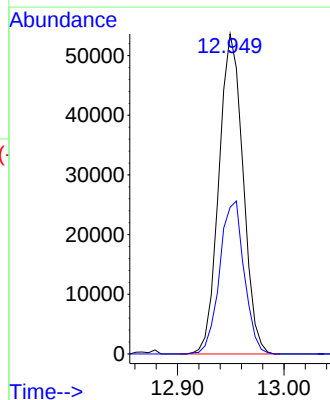
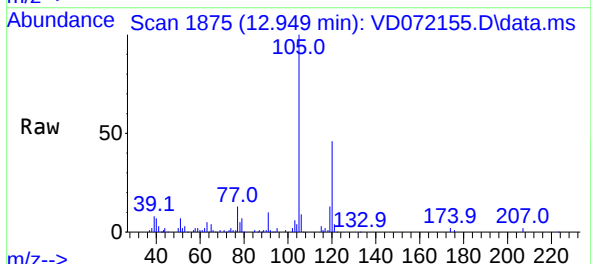
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

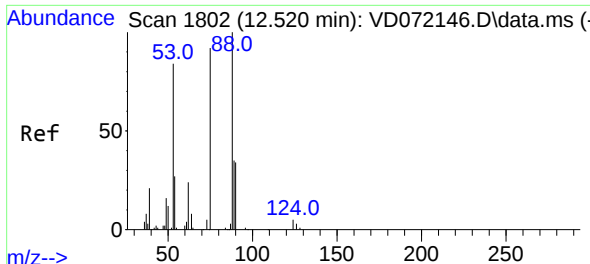
Tgt Ion: 91 Resp: 67195
Ion Ratio Lower Upper
91 100
126 35.0 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 4.230 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 105 Resp: 84180
Ion Ratio Lower Upper
105 100
120 48.5 24.3 72.8

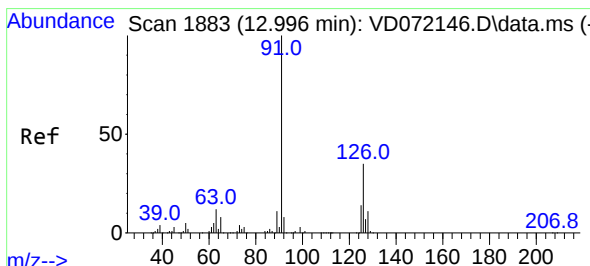
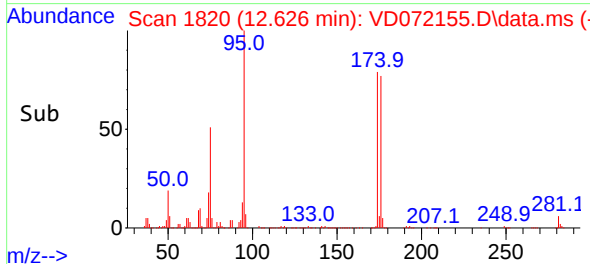
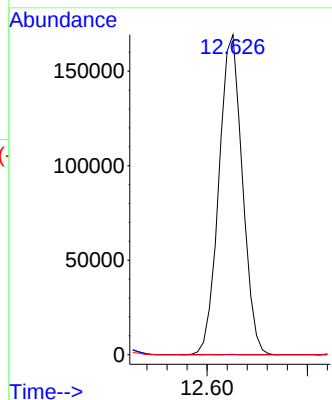
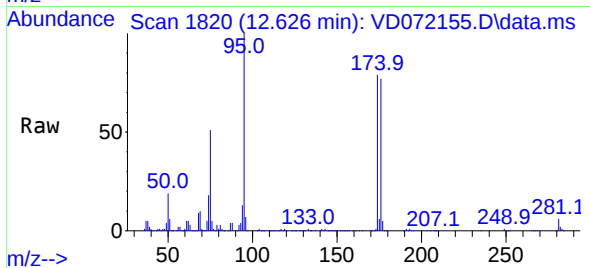




#81
trans-1,4-Dichloro-2-butene
Concen: 211.142 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

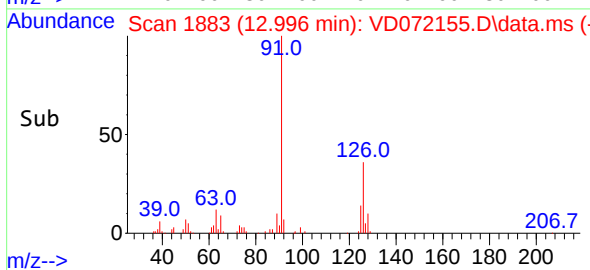
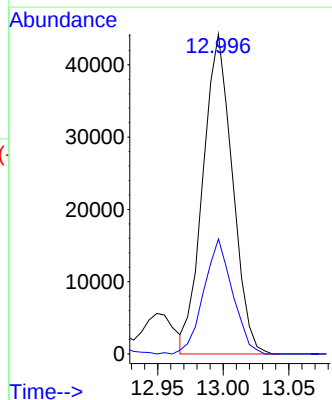
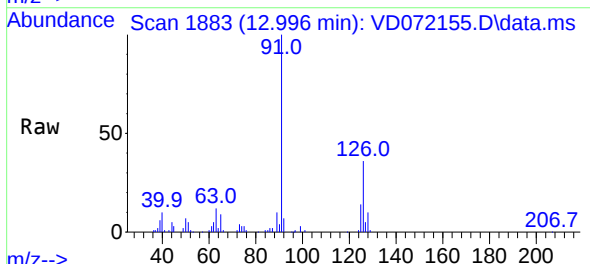
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

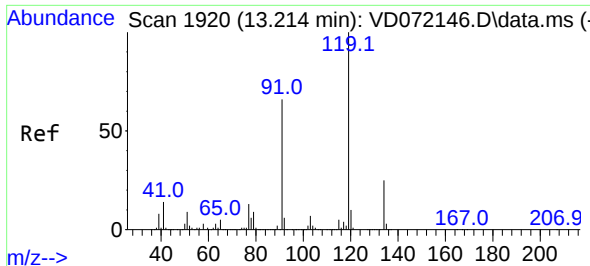
Tgt Ion: 75 Resp: 274425
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#82
4-Chlorotoluene
Concen: 4.107 ug/l
RT: 12.996 min Scan# 1883
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 91 Resp: 69185
Ion Ratio Lower Upper
91 100
126 35.1 16.5 49.5

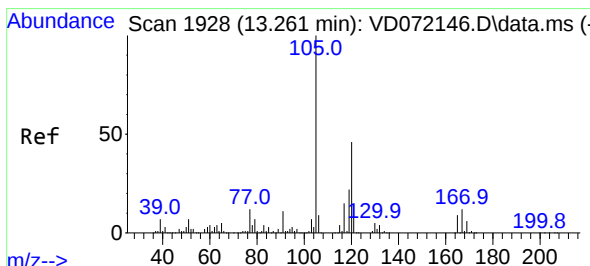
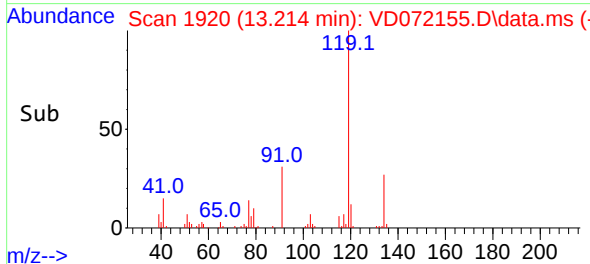
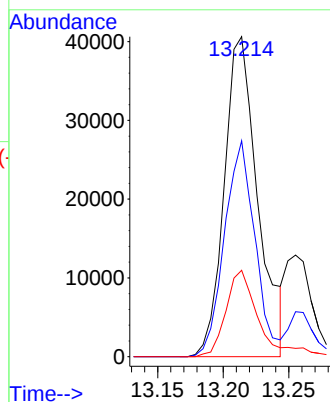
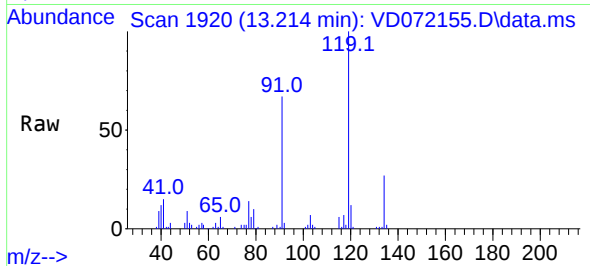




#83
tert-Butylbenzene
Concen: 4.154 ug/l
RT: 13.214 min Scan# 1920
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

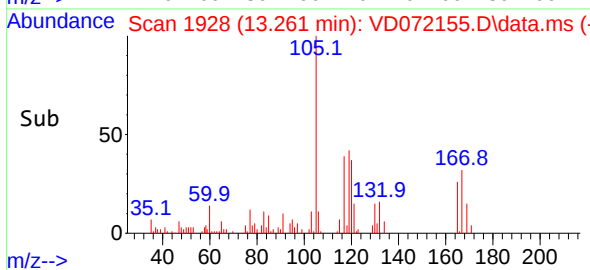
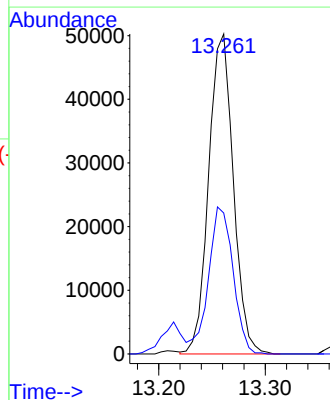
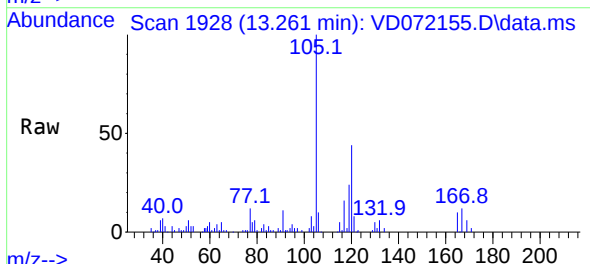
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

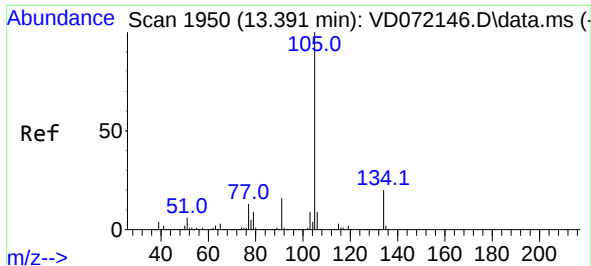
Tgt Ion:119 Resp: 72481
Ion Ratio Lower Upper
119 100
91 61.3 34.8 104.5
134 26.3 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 4.120 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:105 Resp: 80790
Ion Ratio Lower Upper
105 100
120 45.9 22.3 66.8

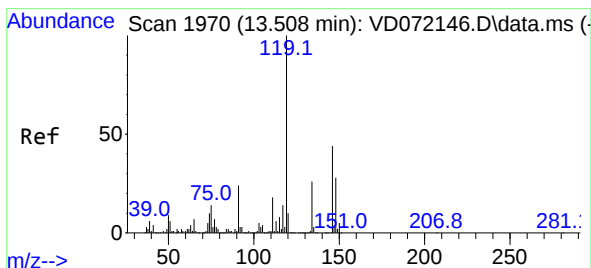
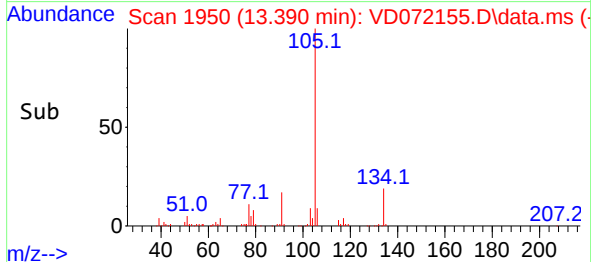
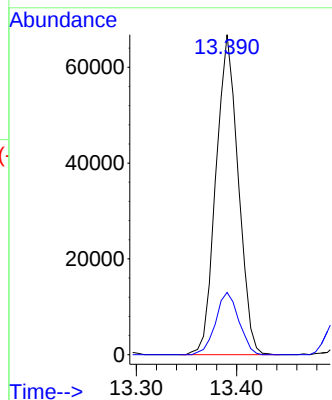
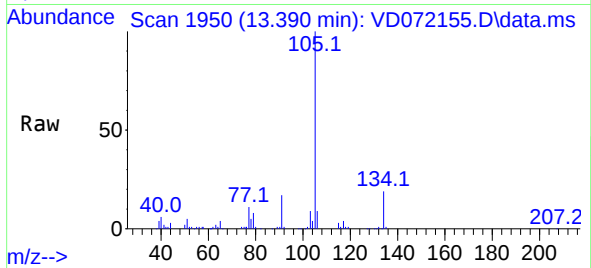




#85
 sec-Butylbenzene
 Concen: 3.929 ug/l
 RT: 13.390 min Scan# 1950
 Delta R.T. -0.000 min
 Lab File: VD072155.D
 Acq: 11 Mar 2022 17:36

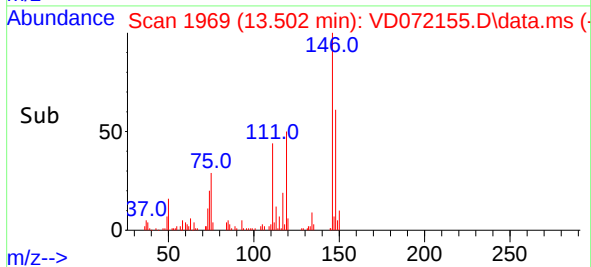
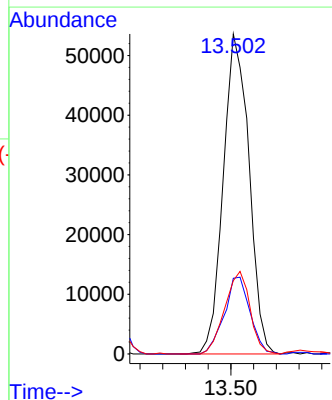
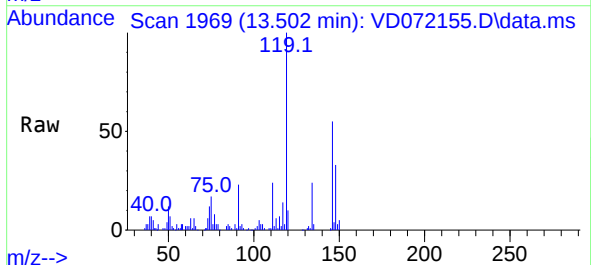
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

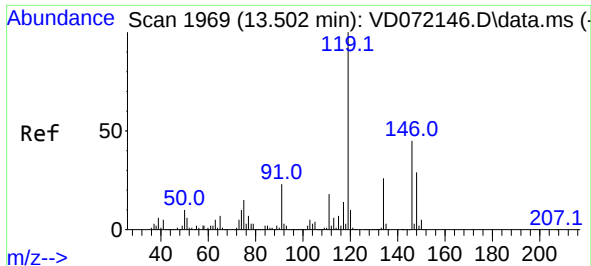
Tgt Ion:105 Resp: 102948
 Ion Ratio Lower Upper
 105 100
 134 20.2 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 3.910 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. -0.006 min
 Lab File: VD072155.D
 Acq: 11 Mar 2022 17:36

Tgt Ion:119 Resp: 84314
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.9 38.6
 91 25.3 12.1 36.3





#87

1,3-Dichlorobenzene

Concen: 4.427 ug/l

RT: 13.508 min Scan# 1969

Delta R.T. 0.006 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2022

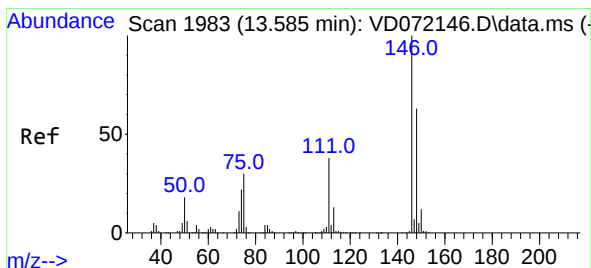
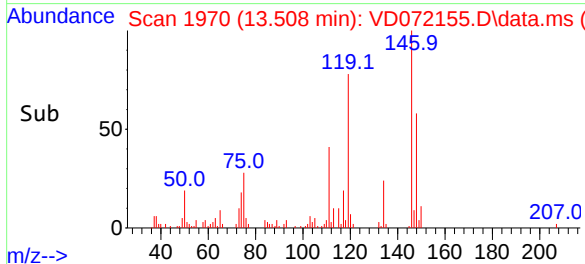
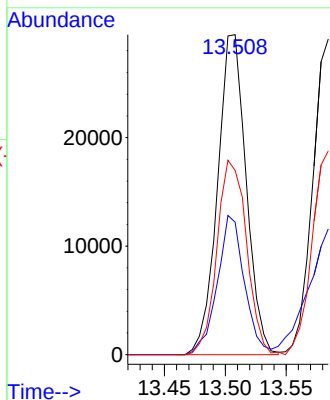
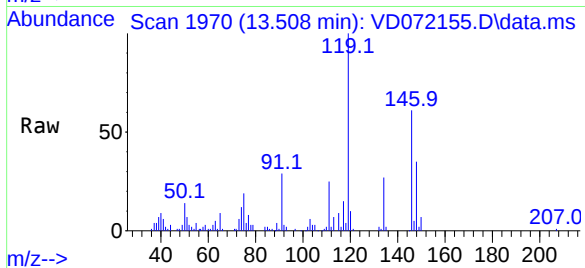
Tgt Ion:146 Resp: 48375

Ion Ratio Lower Upper

146 100

111 41.3 20.4 61.3

148 62.7 31.9 95.7



#88

1,4-Dichlorobenzene

Concen: 4.526 ug/l

RT: 13.585 min Scan# 1983

Delta R.T. -0.000 min

Lab File: VD072155.D

Acq: 11 Mar 2022 17:36

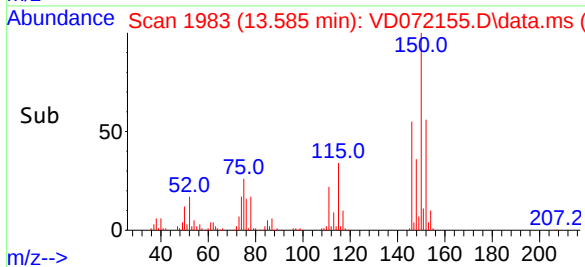
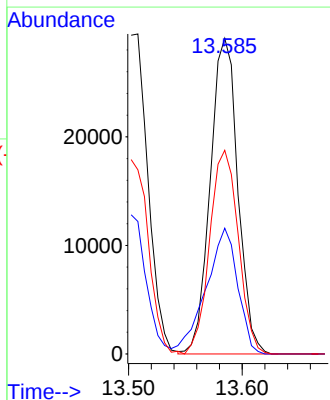
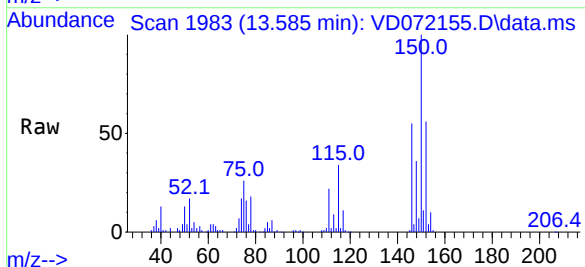
Tgt Ion:146 Resp: 49047

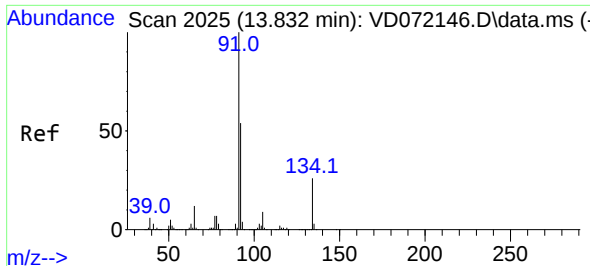
Ion Ratio Lower Upper

146 100

111 46.0 20.3 60.9

148 67.0 31.7 95.1

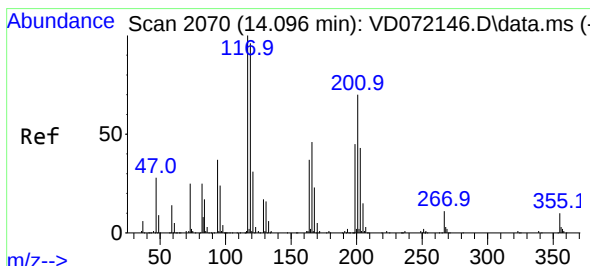
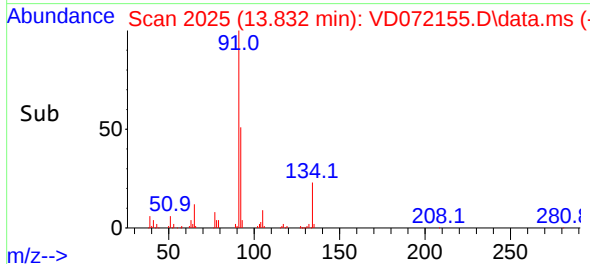
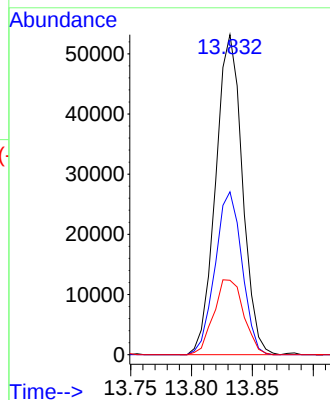
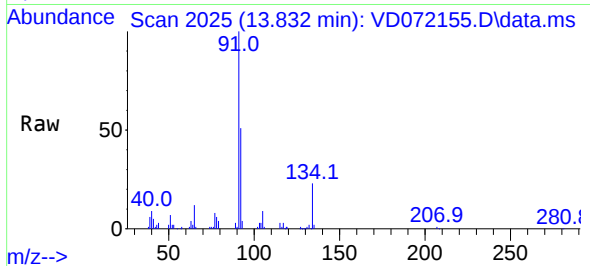




#89
n-Butylbenzene
Concen: 3.951 ug/l
RT: 13.832 min Scan# 2025
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

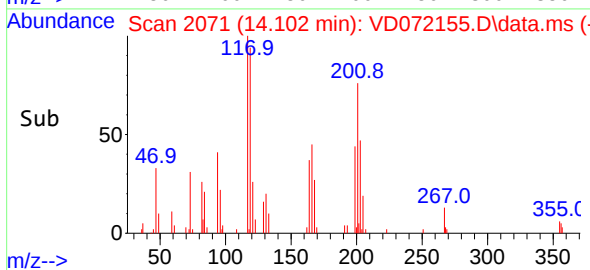
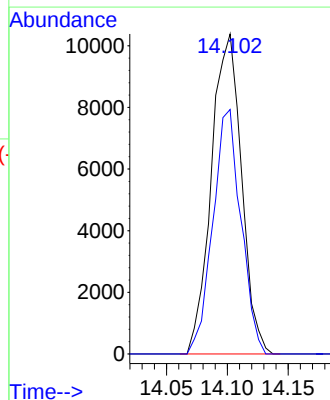
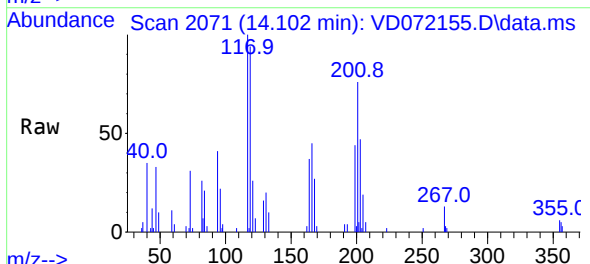
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT1-2022

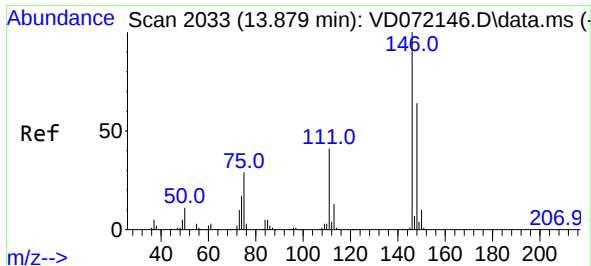
Tgt Ion:	91	Resp:	81192
Ion	Ratio	Lower	Upper
91	100		
92	51.3	26.6	79.8
134	26.3	12.3	36.9



#90
Hexachloroethane
Concen: 4.233 ug/l
RT: 14.102 min Scan# 2071
Delta R.T. 0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:	117	Resp:	17888
Ion	Ratio	Lower	Upper
117	100		
201	71.2	33.4	100.2

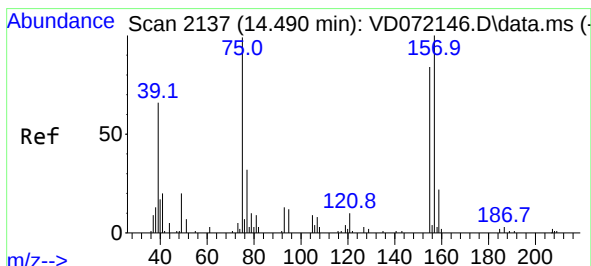
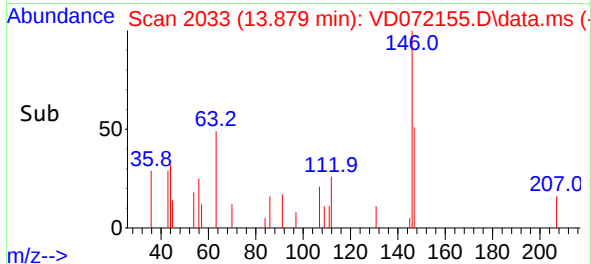
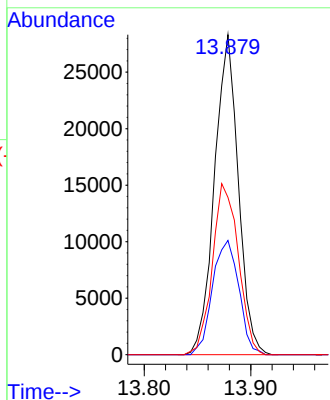
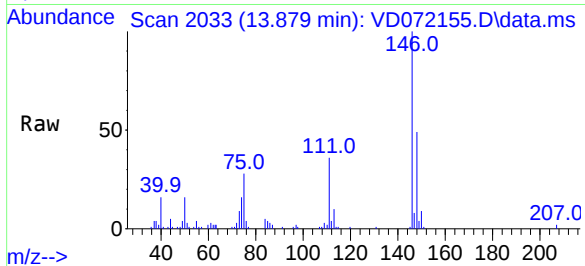




#91
1,2-Dichlorobenzene
Concen: 4.602 ug/l
RT: 13.879 min Scan# 2033
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

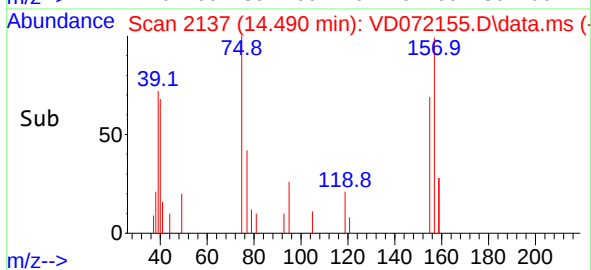
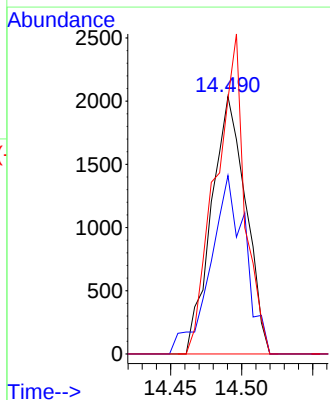
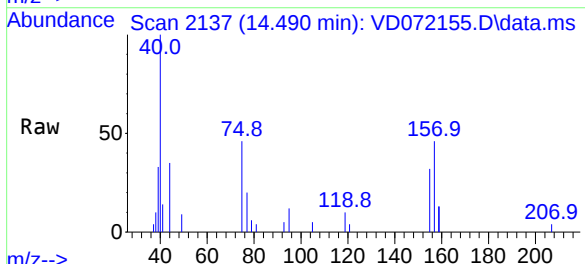
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

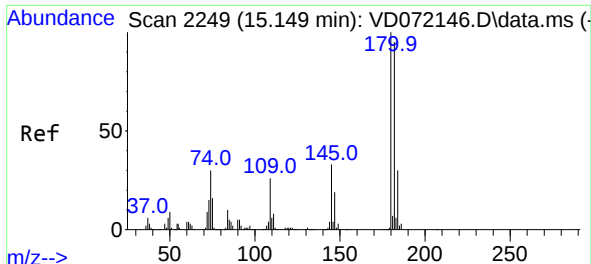
Tgt Ion:146	Resp:	43842
Ion	Ratio	Lower Upper
146	100	
111	39.7	21.1 63.3
148	58.3	31.7 95.1



#92
1,2-Dibromo-3-Chloropropane
Concen: 5.201 ug/l
RT: 14.490 min Scan# 2137
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion: 75	Resp:	3439
Ion	Ratio	Lower Upper
75	100	
155	69.9	36.8 110.3
157	105.4	48.4 145.0

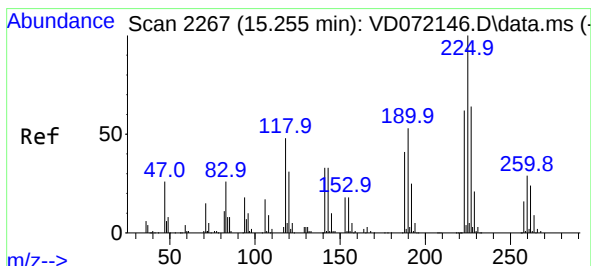
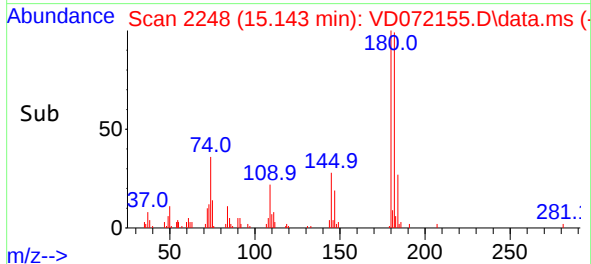
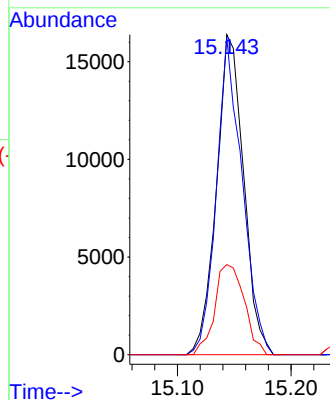
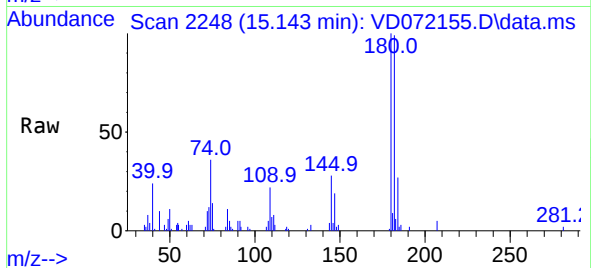




#93
1,2,4-Trichlorobenzene
Concen: 4.324 ug/l
RT: 15.143 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

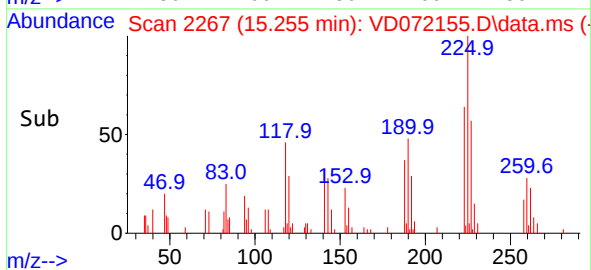
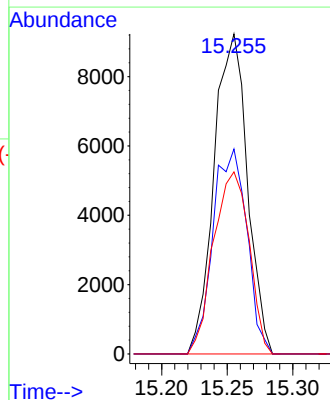
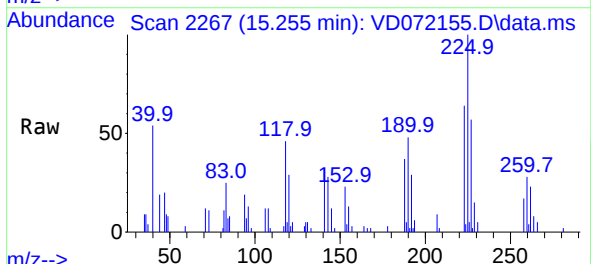
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:180	Resp:	27272
Ion Ratio	Lower	Upper
180	100	
182	93.6	47.3 142.0
145	30.6	16.2 48.5



#94
Hexachlorobutadiene
Concen: 4.441 ug/l
RT: 15.255 min Scan# 2267
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:225	Resp:	16294
Ion Ratio	Lower	Upper
225	100	
223	65.3	31.1 93.2
227	60.8	32.4 97.0

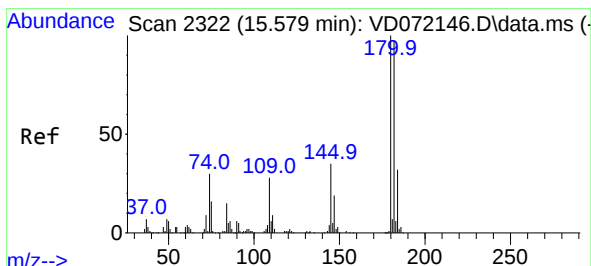
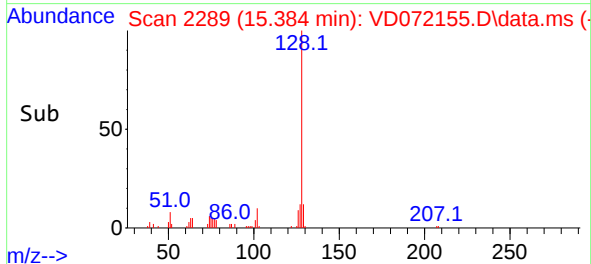
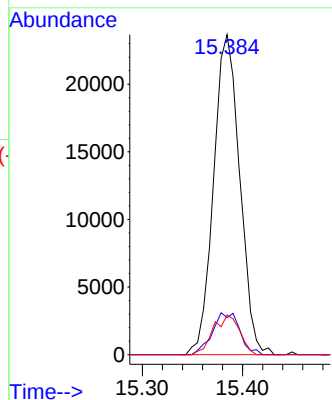
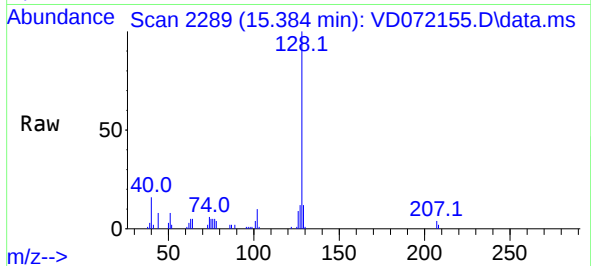




#95
Naphthalene
Concen: 3.943 ug/l
RT: 15.384 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:	128	Resp:	42878
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	12.5	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 4.335 ug/l
RT: 15.579 min Scan# 2322
Delta R.T. -0.000 min
Lab File: VD072155.D
Acq: 11 Mar 2022 17:36

Tgt Ion:	180	Resp:	23669
Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.6	142.9
145	34.2	17.1	51.3

