

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091324\
 Data File : VY019538.D
 Acq On : 13 Sep 2024 14:26
 Operator : SY/MD
 Sample : P3390-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

Quant Time: Sep 14 02:52:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 14 02:51:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	427713	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.609	114	753179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	637377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	288000	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	198954	50.234	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.460%	
35) Dibromofluoromethane	7.628	113	197534	46.257	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 92.520%	
50) Toluene-d8	10.103	98	722678	45.753	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 91.500%	
62) 4-Bromofluorobenzene	12.401	95	254141	41.845	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 83.700%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.867	85	10415	3.852	ug/l	100
3) Chloromethane	2.068	50	11597	3.277	ug/l	97
4) Vinyl Chloride	2.202	62	13678	3.575	ug/l	99
5) Bromomethane	2.592	94	10017	4.262	ug/l	88
6) Chloroethane	2.739	64	10483	4.191	ug/l	96
7) Trichlorofluoromethane	3.056	101	26828	4.206	ug/l	88
8) Diethyl Ether	3.452	74	9998	4.670	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	17371	4.402	ug/l	94
10) Methyl Iodide	4.001	142	16840	3.329	ug/l	94
11) Tert butyl alcohol	4.866	59	8738	27.320	ug/l #	85
12) 1,1-Dichloroethene	3.793	96	13838	3.647	ug/l	94
13) Acrolein	3.653	56	9161	53.414	ug/l	97
14) Allyl chloride	4.378	41	27352	4.019	ug/l #	92
15) Acrylonitrile	5.061	53	23391	25.337	ug/l	97
16) Acetone	3.872	43	19387	20.547	ug/l #	75
17) Carbon Disulfide	4.098	76	17250	1.682	ug/l #	91
18) Methyl Acetate	4.385	43	19891	7.768	ug/l	89
19) Methyl tert-butyl Ether	5.104	73	54782	5.097	ug/l	96
20) Methylene Chloride	4.610	84	30561	7.102	ug/l #	87
21) trans-1,2-Dichloroethene	5.104	96	15550	3.739	ug/l	96
22) Diisopropyl ether	6.012	45	68859	4.927	ug/l	90
23) Vinyl Acetate	5.951	43	213682	26.770	ug/l	94
24) 1,1-Dichloroethane	5.915	63	36443	4.647	ug/l	95
25) 2-Butanone	6.896	43	30198	22.503	ug/l #	85
26) 2,2-Dichloropropane	6.884	77	33499	4.736	ug/l	99
27) cis-1,2-Dichloroethene	6.878	96	23755	4.702	ug/l	90
28) Bromochloromethane	7.244	49	14949	4.531	ug/l	85
29) Tetrahydrofuran	7.262	42	18414	22.568	ug/l	90
30) Chloroform	7.415	83	41247	5.153	ug/l	98
31) Cyclohexane	7.695	56	30011	4.234	ug/l #	68
32) 1,1,1-Trichloroethane	7.610	97	34494	4.807	ug/l	98
36) 1,1-Dichloropropene	7.829	75	22054	3.795	ug/l	98
37) Ethyl Acetate	6.982	43	13880	4.662	ug/l #	96
38) Carbon Tetrachloride	7.817	117	27225	4.155	ug/l	94
39) Methylcyclohexane	9.103	83	23430	3.030	ug/l	92
40) Benzene	8.079	78	74045	4.137	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.219	41	6753	3.891	ug/l	94
42) 1,2-Dichloroethane	8.158	62	23754	4.932	ug/l	98
43) Isopropyl Acetate	8.195	43	28890	4.619	ug/l #	81
44) Trichloroethene	8.859	130	18379	3.993	ug/l	97
45) 1,2-Dichloropropane	9.140	63	20464	4.677	ug/l	91
46) Dibromomethane	9.231	93	10910	4.560	ug/l	92
47) Bromodichloromethane	9.420	83	31306	4.867	ug/l	97
48) Methyl methacrylate	9.219	41	13300	4.503	ug/l	86
49) 1,4-Dioxane	9.225	88	3013	106.966	ug/l #	93
51) 4-Methyl-2-Pentanone	9.999	43	74811	23.773	ug/l	90
52) Toluene	10.170	92	48558	4.219	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	27278	4.449	ug/l	95
54) cis-1,3-Dichloropropene	9.859	75	31400	4.398	ug/l #	90
55) 1,1,2-Trichloroethane	10.573	97	16087	4.869	ug/l	96
56) Ethyl methacrylate	10.438	69	22403	4.463	ug/l #	82
57) 1,3-Dichloropropane	10.719	76	26682	4.698	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	50346	21.611	ug/l	98
59) 2-Hexanone	10.762	43	49283	21.362	ug/l	89
60) Dibromochloromethane	10.908	129	21403	4.897	ug/l	96
61) 1,2-Dibromoethane	11.011	107	13889	4.511	ug/l	99
64) Tetrachloroethene	10.646	164	16930	4.289	ug/l	92
65) Chlorobenzene	11.444	112	57440	4.581	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.511	131	21615	4.979	ug/l	97
67) Ethyl Benzene	11.517	91	99772	4.479	ug/l	95
68) m/p-Xylenes	11.627	106	73676	8.746	ug/l	93
69) o-Xylene	11.956	106	36953	4.486	ug/l	91
70) Styrene	11.969	104	62535	4.496	ug/l	97
71) Bromoform	12.127	173	11698	4.718	ug/l #	99
73) Isopropylbenzene	12.255	105	99255	4.751	ug/l	96
74) N-amyl acetate	12.072	43	25791	4.539	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	19925	5.373	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	24635	9.126	ug/l #	100
77) Bromobenzene	12.529	156	21853	4.716	ug/l	86
78) n-propylbenzene	12.590	91	116034	4.685	ug/l	99
79) 2-Chlorotoluene	12.676	91	68885	4.773	ug/l	96
80) 1,3,5-Trimethylbenzene	12.737	105	79722	4.694	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.298	75	6558	4.664	ug/l	95
82) 4-Chlorotoluene	12.773	91	70442	4.748	ug/l	96
83) tert-Butylbenzene	12.999	119	75861	4.933	ug/l	96
84) 1,2,4-Trimethylbenzene	13.042	105	79415	4.723	ug/l	95
85) sec-Butylbenzene	13.176	105	107956	4.833	ug/l	98
86) p-Isopropyltoluene	13.292	119	84428	4.619	ug/l	96
87) 1,3-Dichlorobenzene	13.285	146	43698	4.853	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	43779	4.899	ug/l	91
89) n-Butylbenzene	13.615	91	80317	4.597	ug/l	99
90) Hexachloroethane	13.877	117	18415	4.842	ug/l	84
91) 1,2-Dichlorobenzene	13.657	146	38846	4.835	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.273	75	2876	4.653	ug/l	84
93) 1,2,4-Trichlorobenzene	14.913	180	20350	4.164	ug/l	95
94) Hexachlorobutadiene	15.023	225	10776	4.128	ug/l	95
95) Naphthalene	15.139	128	40089	4.096	ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	17492	4.185	ug/l	95

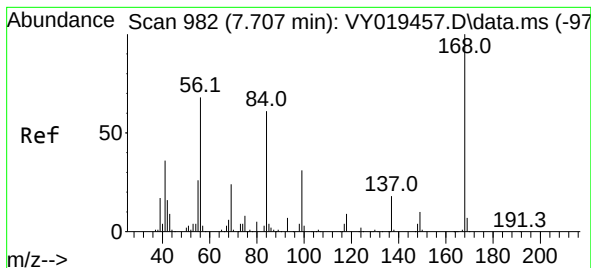
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.707 min Scan# 9

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

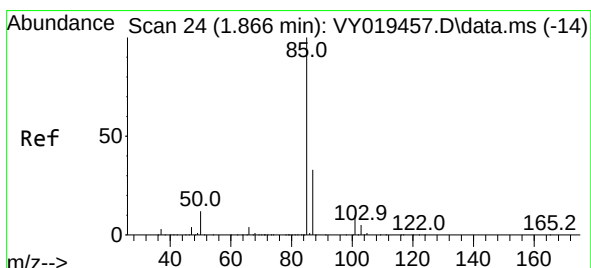
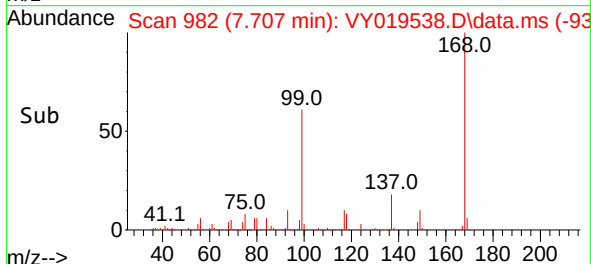
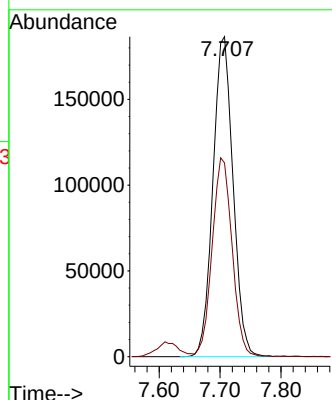
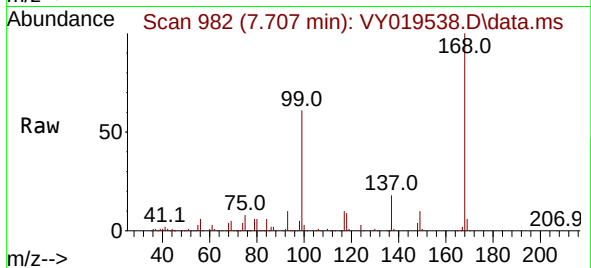
LOQ-SOIL-02-QT3-2024

Tgt Ion:168 Resp: 427713

Ion Ratio Lower Upper

168 100

99 60.5 39.1 58.7#



#2

Dichlorodifluoromethane

Concen: 3.852 ug/l

RT: 1.867 min Scan# 24

Delta R.T. 0.001 min

Lab File: VY019538.D

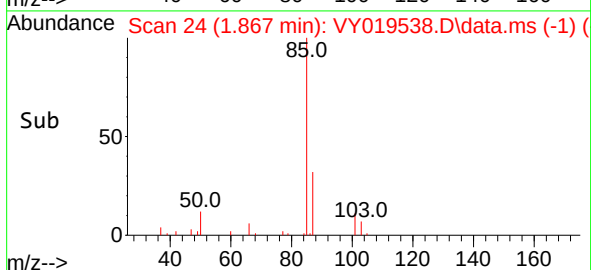
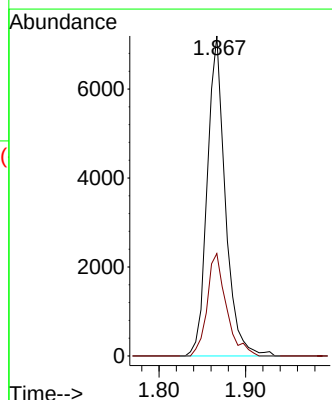
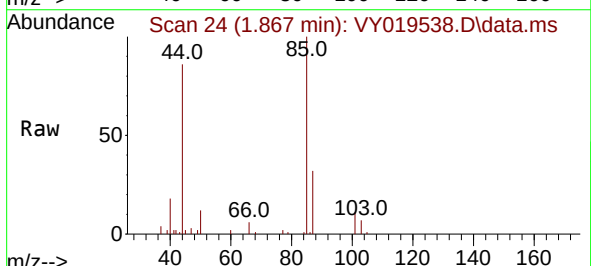
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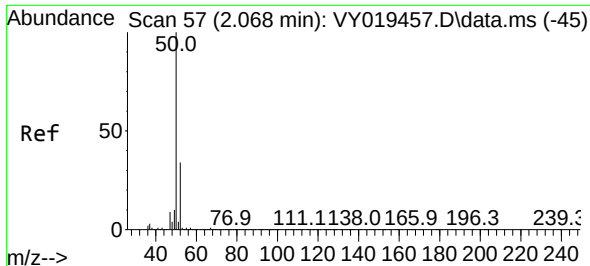
Tgt Ion: 85 Resp: 10415

Ion Ratio Lower Upper

85 100

87 32.0 16.0 48.0

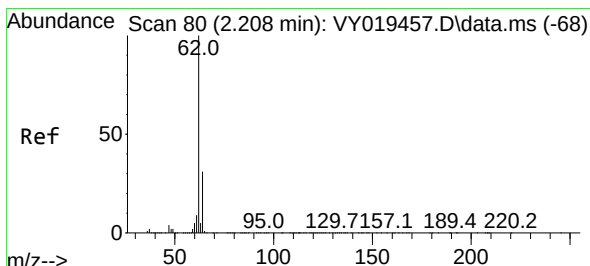
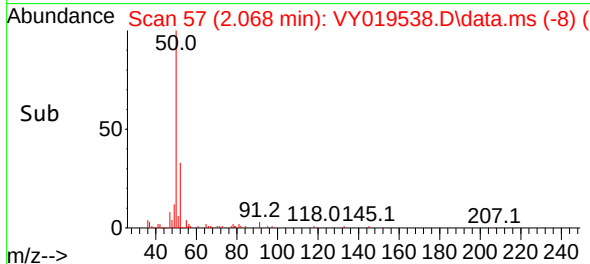
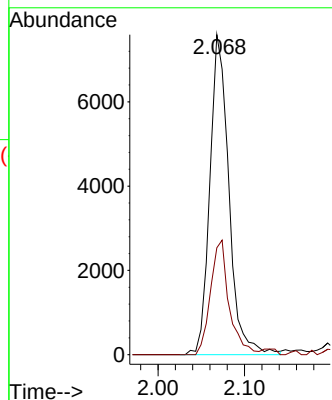
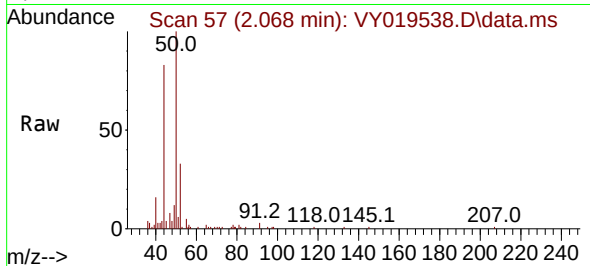




#3
Chloromethane
Concen: 3.277 ug/l
RT: 2.068 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

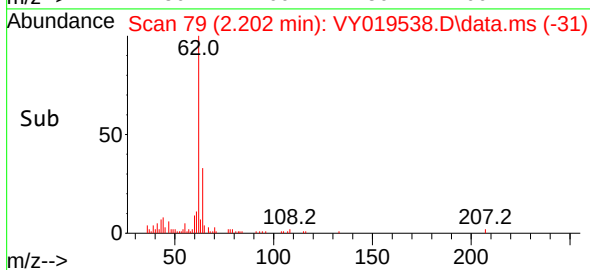
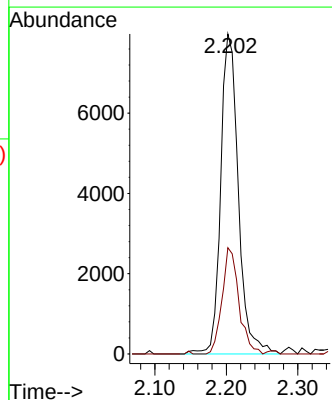
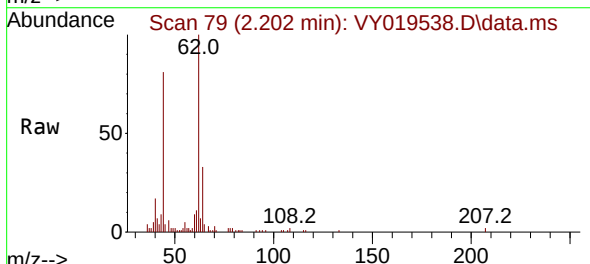
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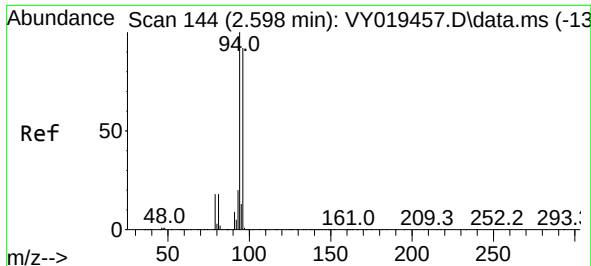
Tgt Ion: 50 Resp: 11597
Ion Ratio Lower Upper
50 100
52 33.4 25.6 38.4



#4
Vinyl Chloride
Concen: 3.575 ug/l
RT: 2.202 min Scan# 79
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 62 Resp: 13678
Ion Ratio Lower Upper
62 100
64 33.2 26.1 39.1

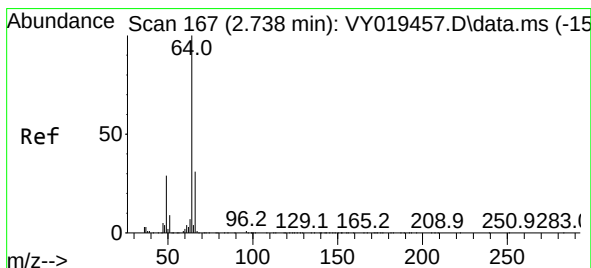
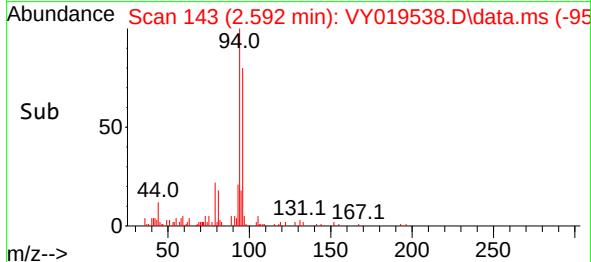
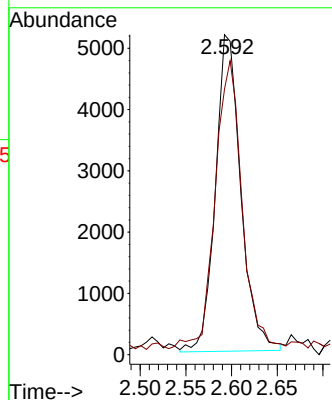
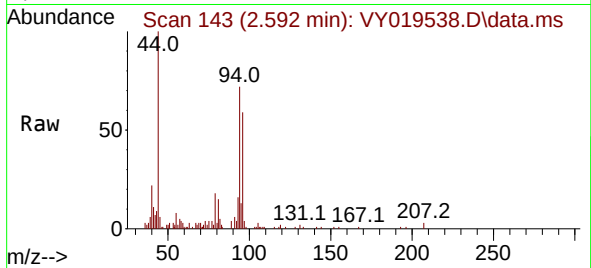




#5
Bromomethane
Concen: 4.262 ug/l
RT: 2.592 min Scan# 144
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

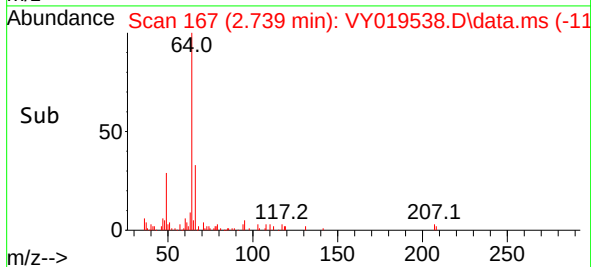
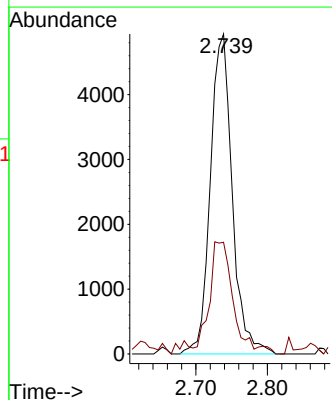
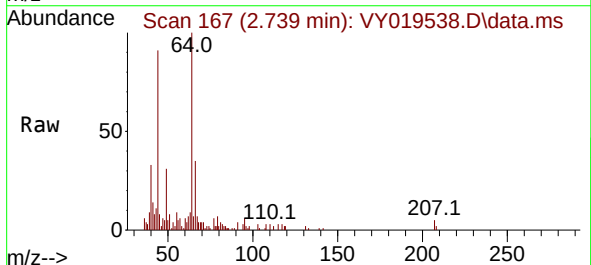
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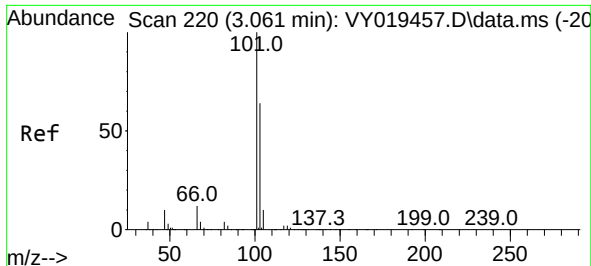
Tgt Ion: 94 Resp: 10017
Ion Ratio Lower Upper
94 100
96 80.8 74.1 111.1



#6
Chloroethane
Concen: 4.191 ug/l
RT: 2.739 min Scan# 167
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 64 Resp: 10483
Ion Ratio Lower Upper
64 100
66 34.9 26.1 39.1

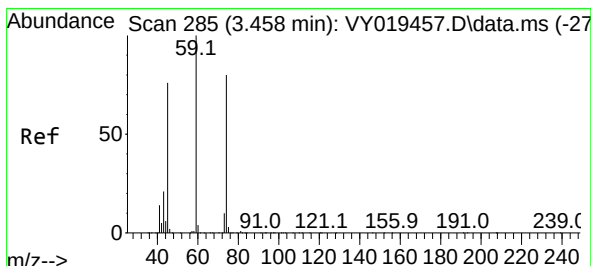
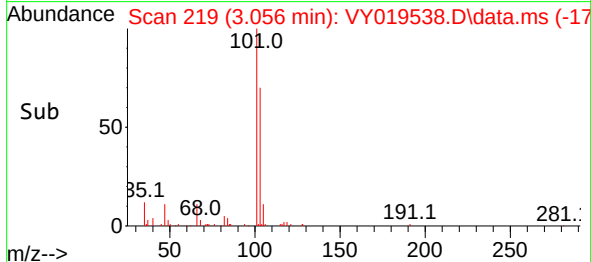
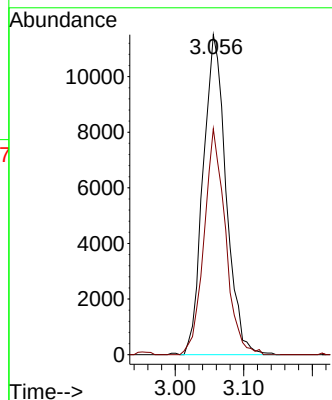
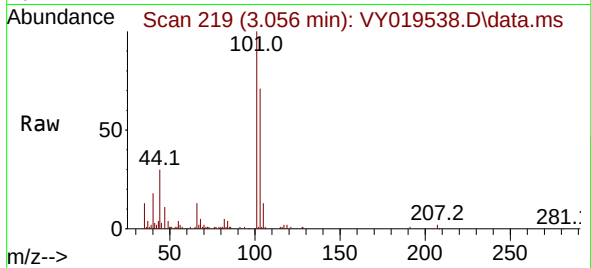




#7
 Trichlorofluoromethane
 Concen: 4.206 ug/l
 RT: 3.056 min Scan# 219
 Delta R.T. -0.006 min
 Lab File: VY019538.D
 Acq: 13 Sep 2024 14:26

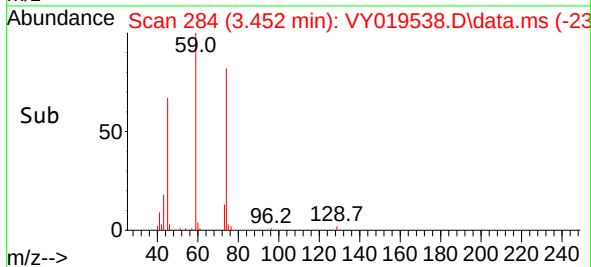
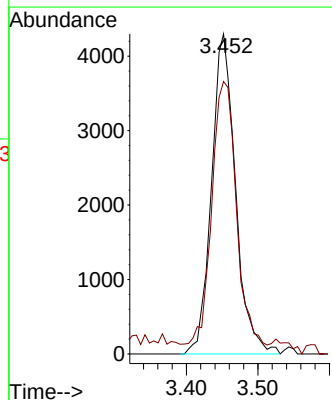
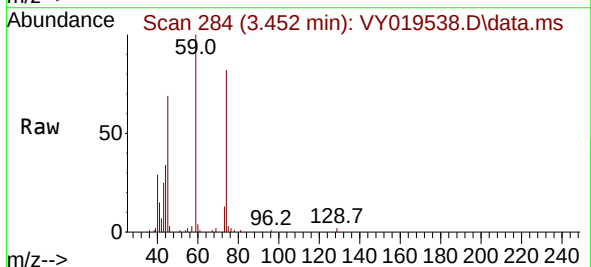
Instrument :
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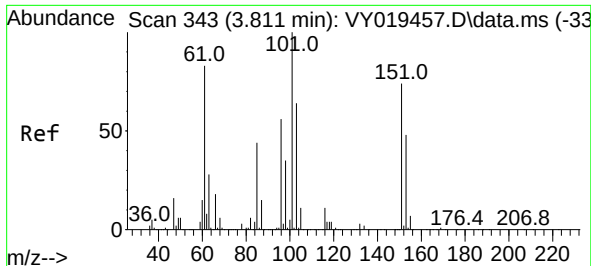
Tgt Ion:101 Resp: 26828
 Ion Ratio Lower Upper
 101 100
 103 70.6 49.3 73.9



#8
 Diethyl Ether
 Concen: 4.670 ug/l
 RT: 3.452 min Scan# 284
 Delta R.T. -0.006 min
 Lab File: VY019538.D
 Acq: 13 Sep 2024 14:26

Tgt Ion: 74 Resp: 9998
 Ion Ratio Lower Upper
 74 100
 45 85.3 41.3 124.1

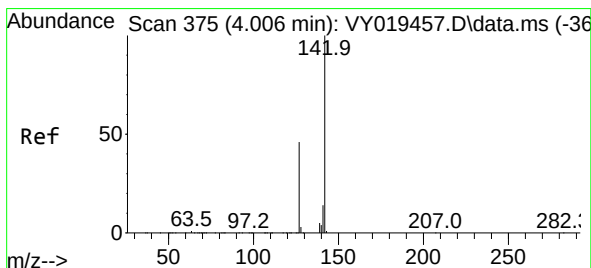
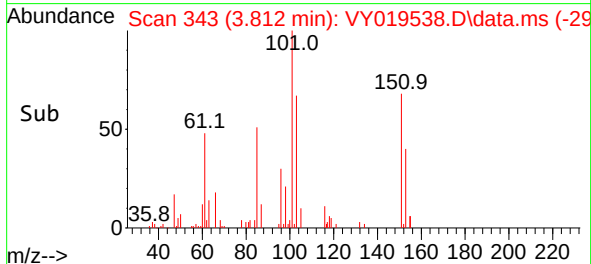
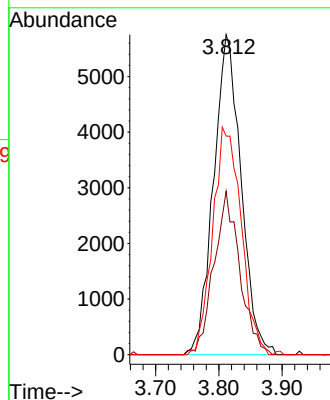
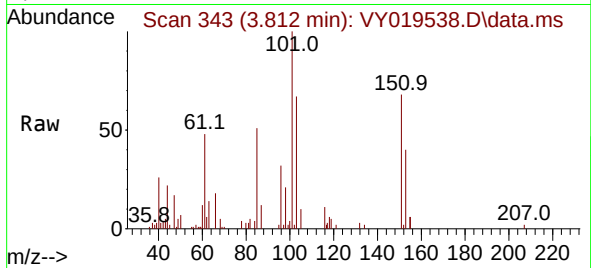




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.402 ug/l
RT: 3.812 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY019538.D
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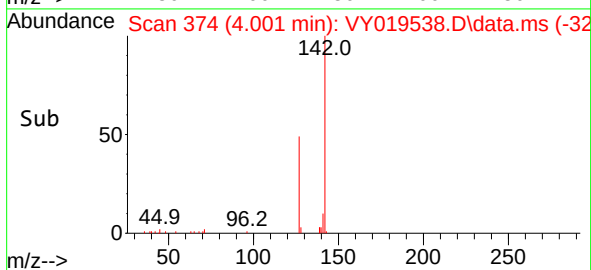
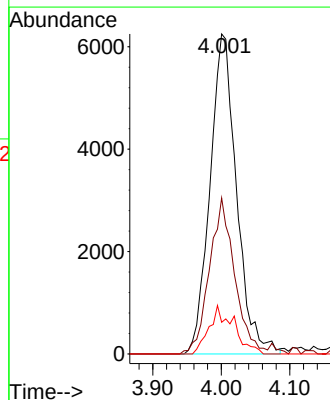
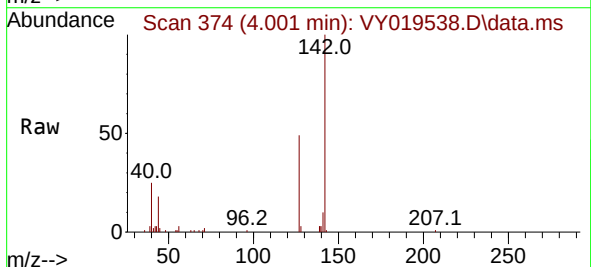
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

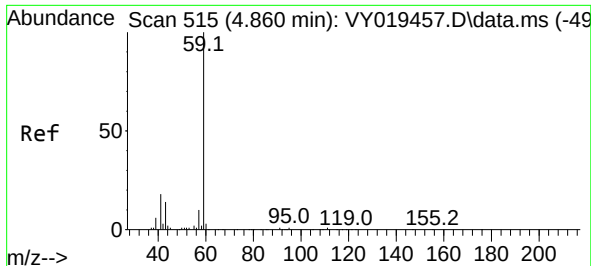
Tgt Ion:101 Resp: 17371
Ion Ratio Lower Upper
101 100
85 48.2 34.5 51.7
151 73.3 61.7 92.5



#10
Methyl Iodide
Concen: 3.329 ug/l
RT: 4.001 min Scan# 374
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion:142 Resp: 16840
Ion Ratio Lower Upper
142 100
127 46.2 32.8 49.2
141 14.1 11.4 17.2

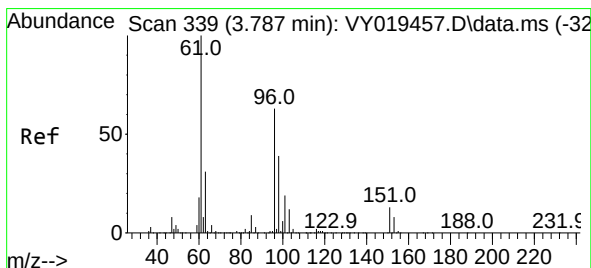
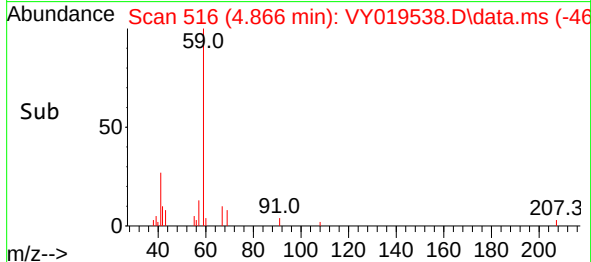
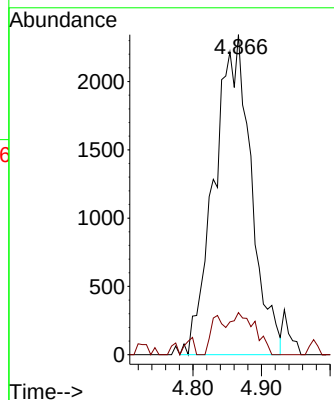
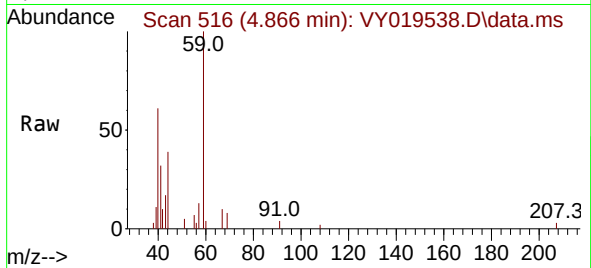




#11
Tert butyl alcohol
Concen: 27.320 ug/l
RT: 4.866 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

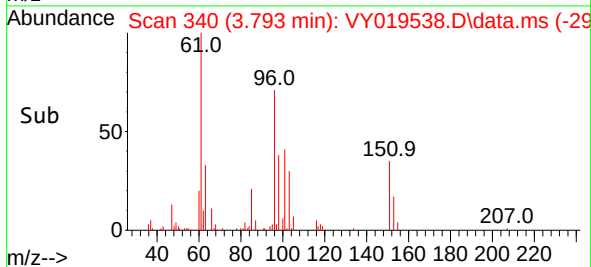
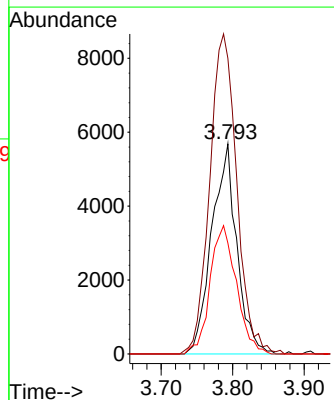
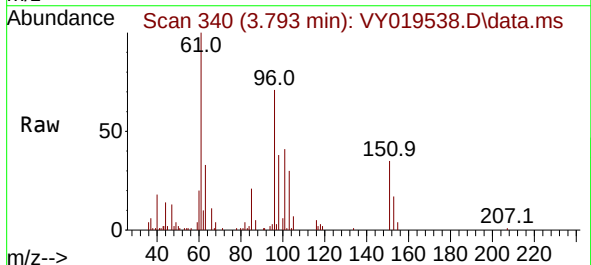
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

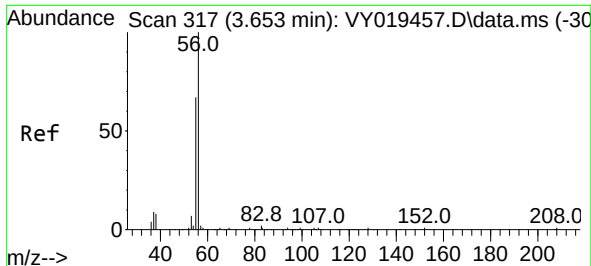
Tgt Ion: 59 Resp: 8738
Ion Ratio Lower Upper
59 100
57 8.8 3.0 4.6#



#12
1,1-Dichloroethene
Concen: 3.647 ug/l
RT: 3.793 min Scan# 340
Delta R.T. 0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 96 Resp: 13838
Ion Ratio Lower Upper
96 100
61 140.7 114.6 171.8
98 52.8 50.8 76.2

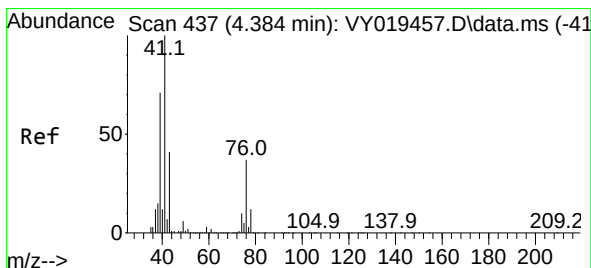
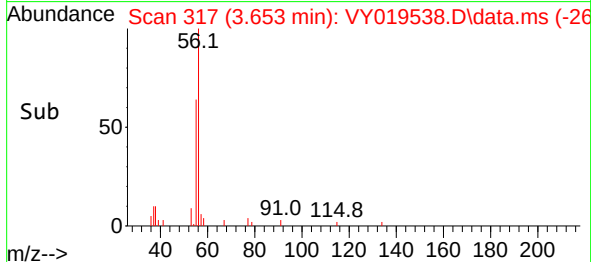
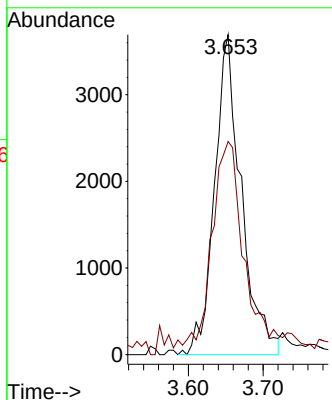
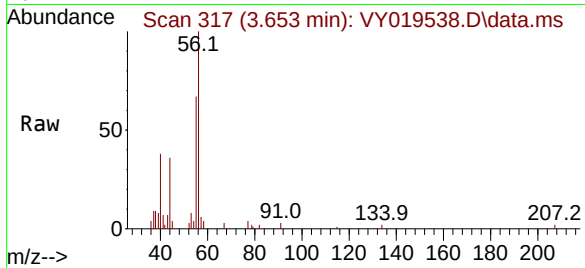




#13
Acrolein
Concen: 53.414 ug/l
RT: 3.653 min Scan# 317
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

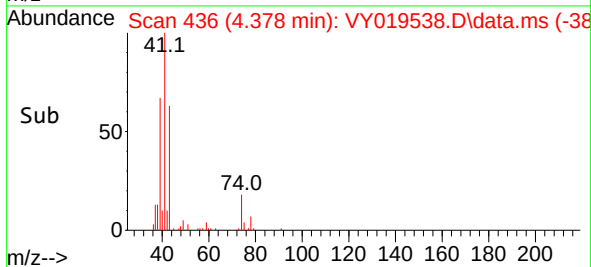
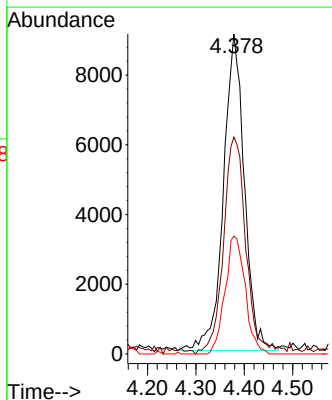
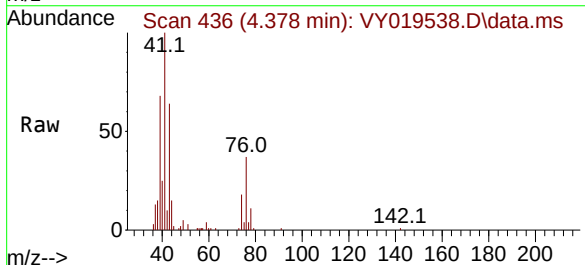
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

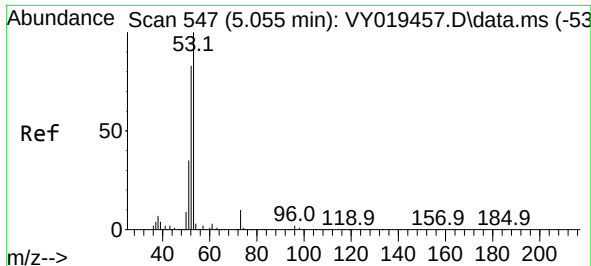
Tgt Ion: 56 Resp: 9161
Ion Ratio Lower Upper
56 100
55 72.2 55.7 83.5



#14
Allyl chloride
Concen: 4.019 ug/l
RT: 4.378 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 41 Resp: 27352
Ion Ratio Lower Upper
41 100
39 73.4 58.3 87.5
76 35.8 39.0 58.6#

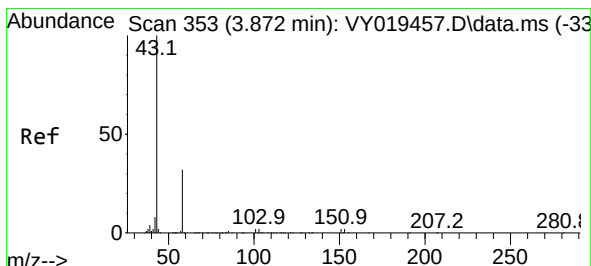
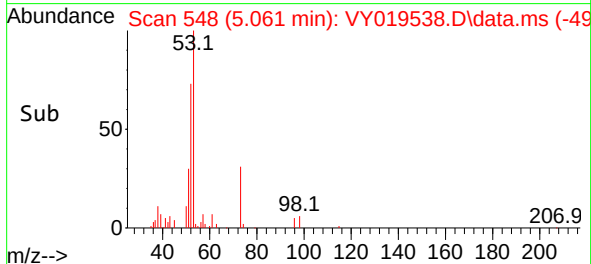
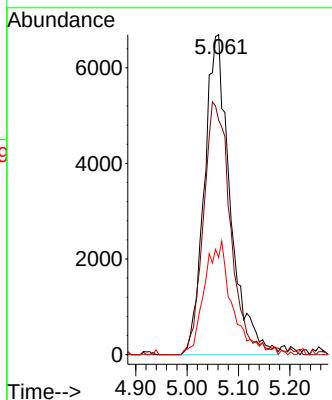
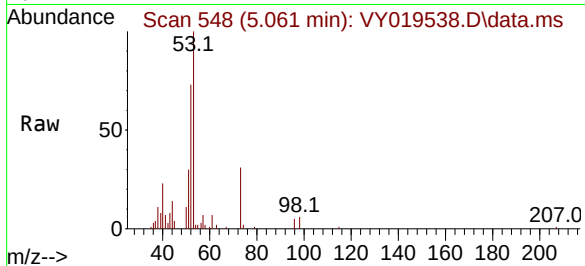




#15
Acrylonitrile
Concen: 25.337 ug/l
RT: 5.061 min Scan# 54
Delta R.T. 0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

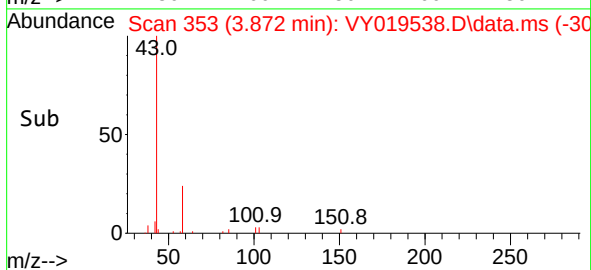
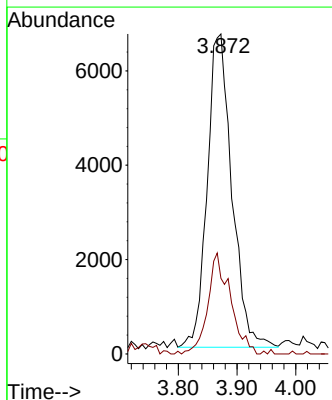
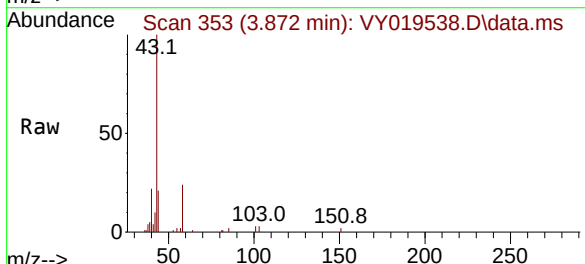
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

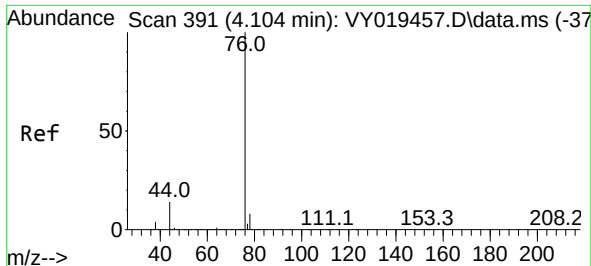
Tgt Ion: 53 Resp: 23391
Ion Ratio Lower Upper
53 100
52 82.2 64.7 97.1
51 38.5 28.4 42.6



#16
Acetone
Concen: 20.547 ug/l
RT: 3.872 min Scan# 353
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 43 Resp: 19387
Ion Ratio Lower Upper
43 100
58 24.1 31.7 47.5#

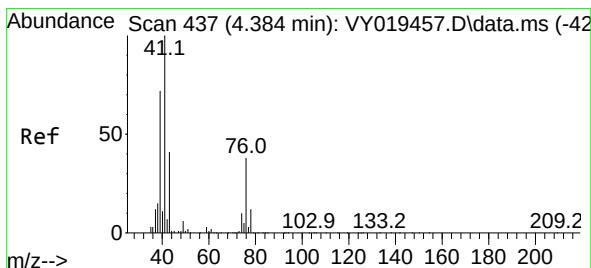
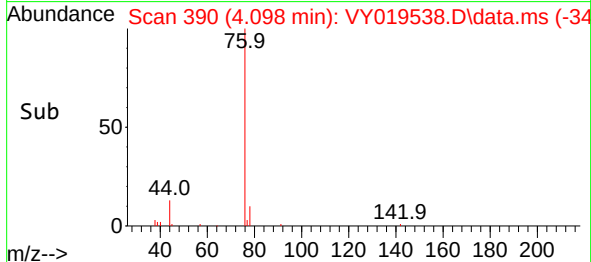
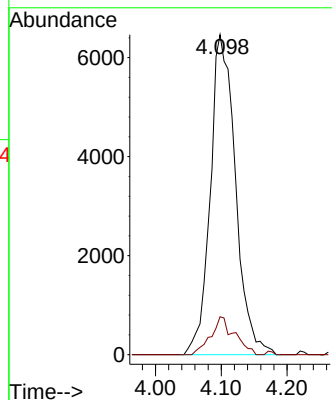
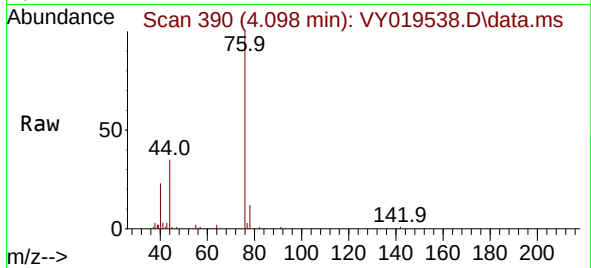




#17
Carbon Disulfide
Concen: 1.682 ug/l
RT: 4.098 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

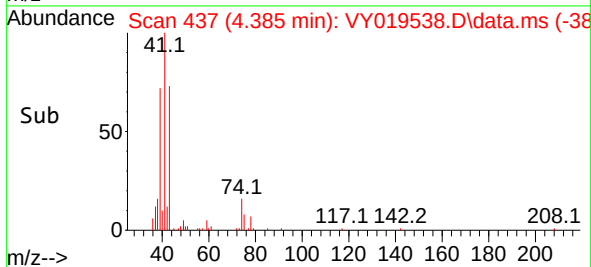
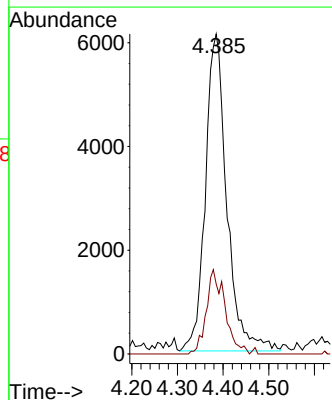
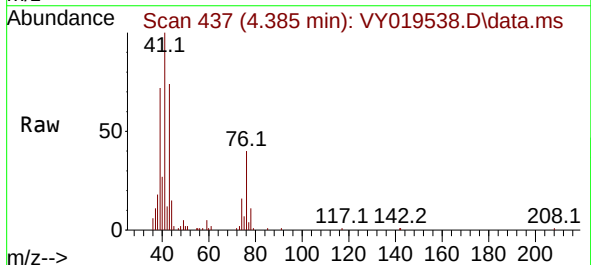
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

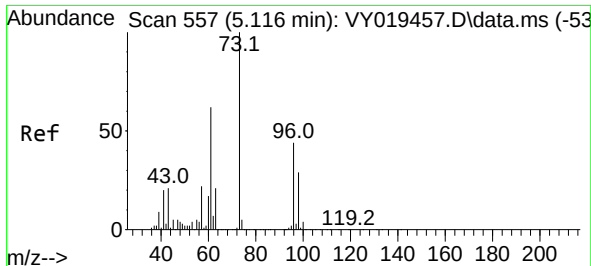
Tgt Ion: 76 Resp: 17250
Ion Ratio Lower Upper
76 100
78 11.9 6.8 10.2#



#18
Methyl Acetate
Concen: 7.768 ug/l
RT: 4.385 min Scan# 437
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 43 Resp: 19891
Ion Ratio Lower Upper
43 100
74 23.3 23.3 34.9





#19

Methyl tert-butyl Ether

Concen: 5.097 ug/l

RT: 5.104 min Scan# 51

Delta R.T. -0.012 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

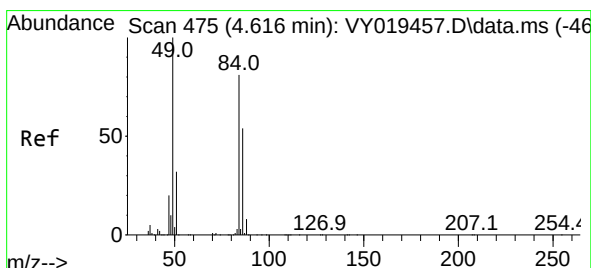
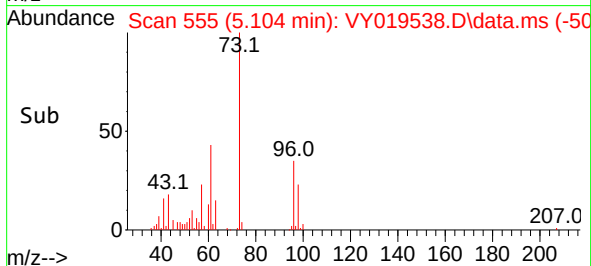
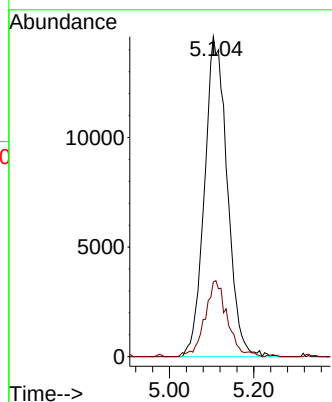
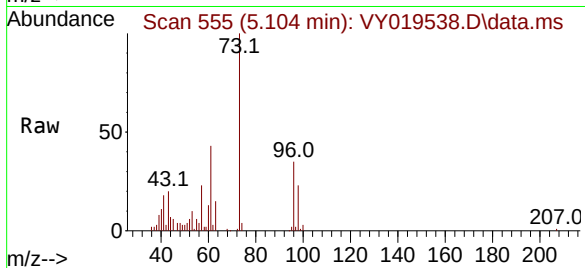
LOQ-SOIL-02-QT3-2024

Tgt Ion: 73 Resp: 54782

Ion Ratio Lower Upper

73 100

57 23.4 17.3 25.9



#20

Methylene Chloride

Concen: 7.102 ug/l

RT: 4.610 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Tgt Ion: 84 Resp: 30561

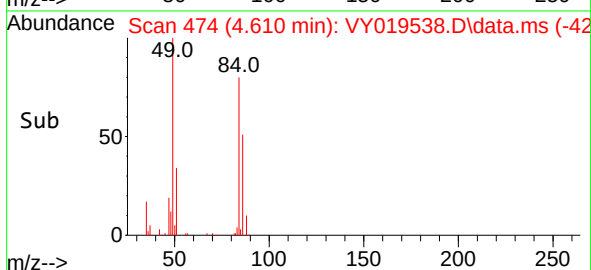
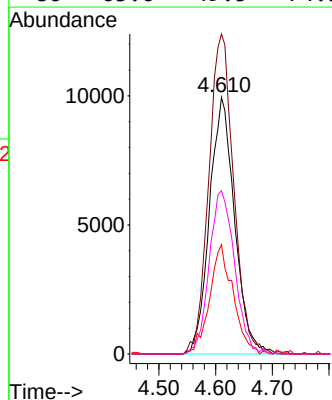
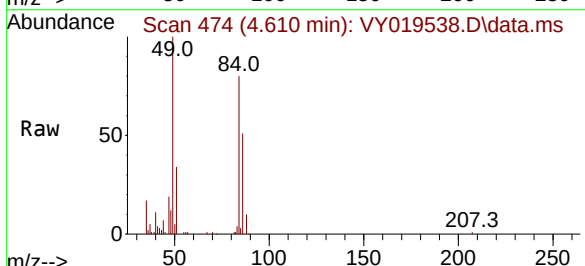
Ion Ratio Lower Upper

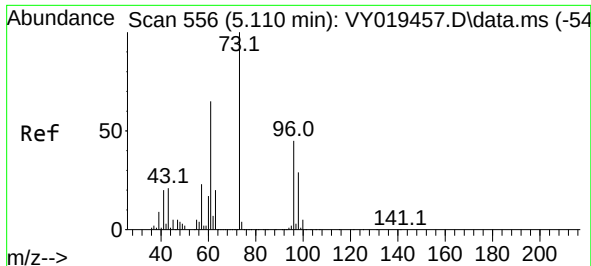
84 100

49 124.7 84.4 126.6

51 42.6 26.0 39.0#

86 63.6 49.5 74.3

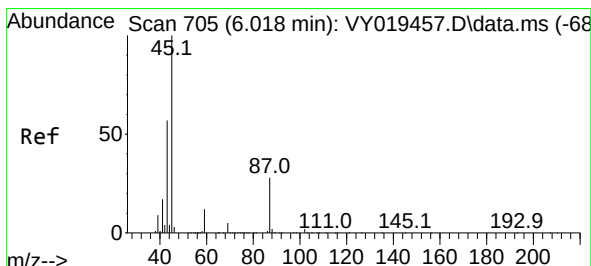
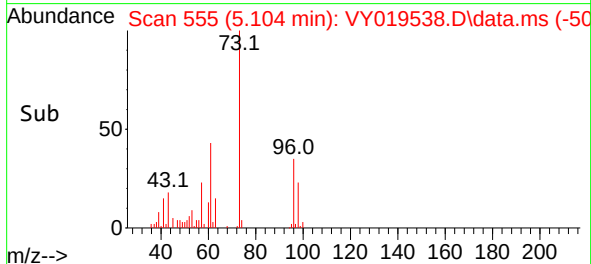
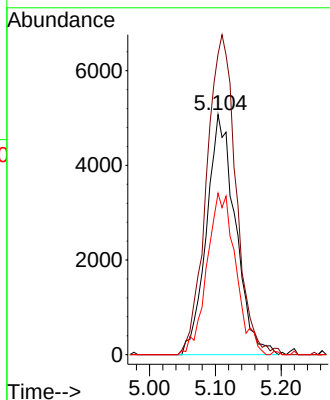
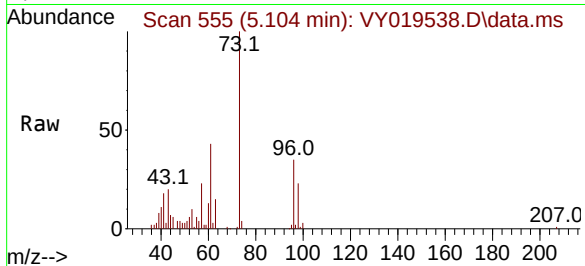




#21
trans-1,2-Dichloroethene
Concen: 3.739 ug/l
RT: 5.104 min Scan# 51
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

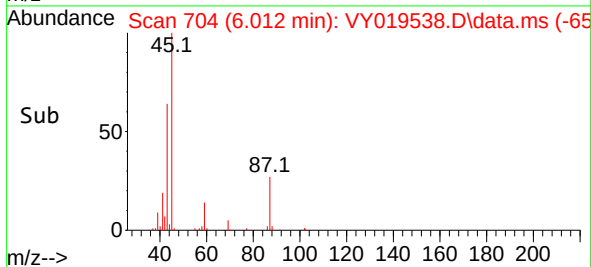
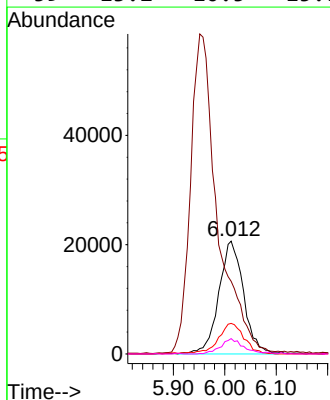
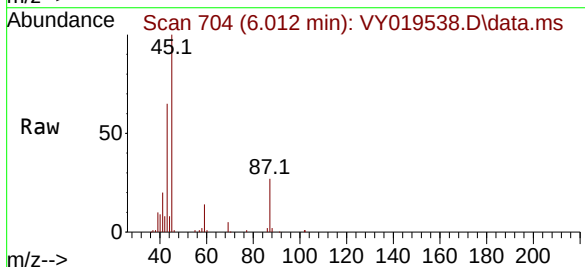
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

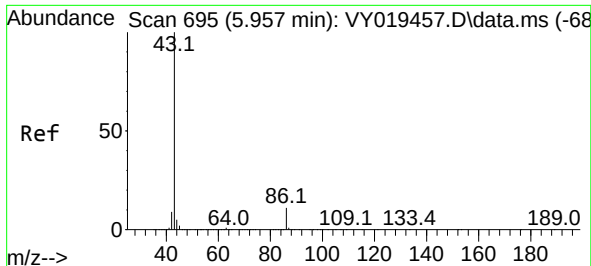
Tgt Ion: 96 Resp: 15550
Ion Ratio Lower Upper
96 100
61 125.1 97.5 146.3
98 67.2 50.5 75.7



#22
Diisopropyl ether
Concen: 4.927 ug/l
RT: 6.012 min Scan# 704
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 45 Resp: 68859
Ion Ratio Lower Upper
45 100
43 62.0 42.2 63.2
87 27.1 25.0 37.6
59 13.2 10.5 15.7

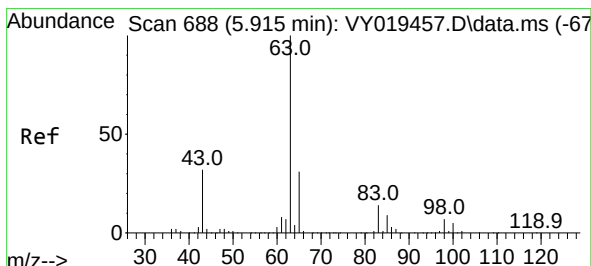
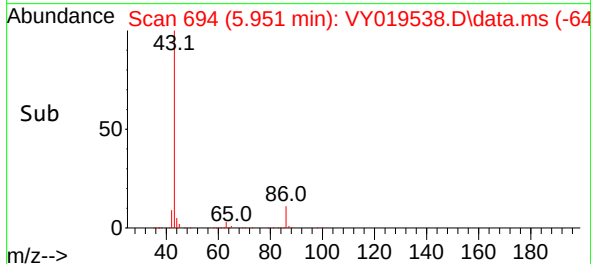
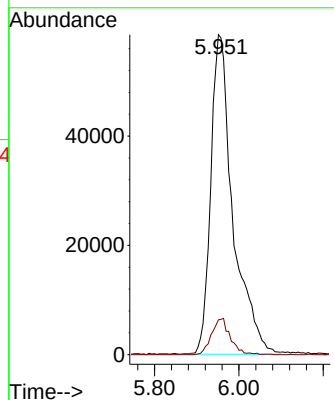
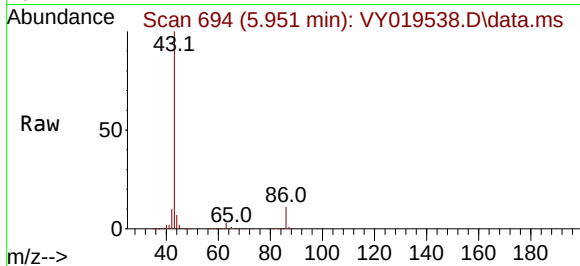




#23
 Vinyl Acetate
 Concen: 26.770 ug/l
 RT: 5.951 min Scan# 694
 Delta R.T. -0.006 min
 Lab File: VY019538.D
 Acq: 13 Sep 2024 14:26

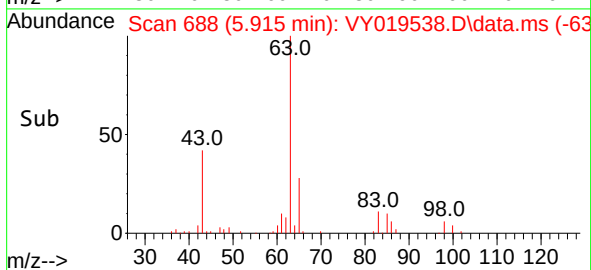
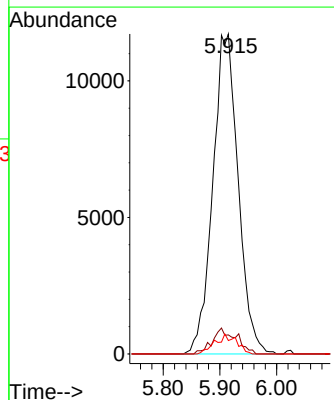
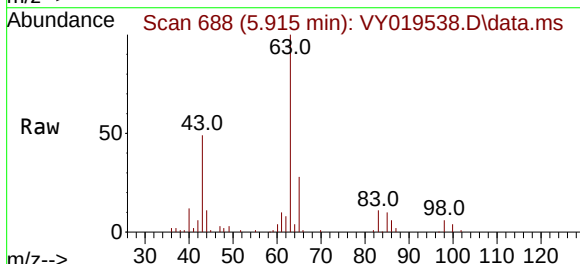
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

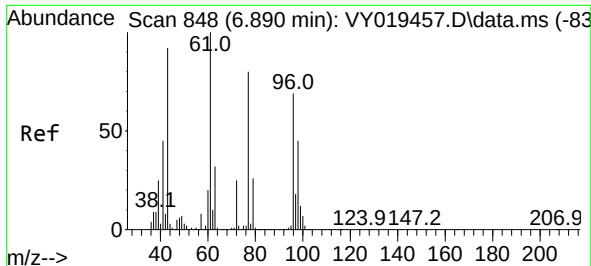
Tgt Ion: 43 Resp: 213682
 Ion Ratio Lower Upper
 43 100
 86 10.9 10.6 16.0



#24
 1,1-Dichloroethane
 Concen: 4.647 ug/l
 RT: 5.915 min Scan# 688
 Delta R.T. 0.000 min
 Lab File: VY019538.D
 Acq: 13 Sep 2024 14:26

Tgt Ion: 63 Resp: 36443
 Ion Ratio Lower Upper
 63 100
 98 5.9 4.0 12.2
 100 4.2 2.6 8.0

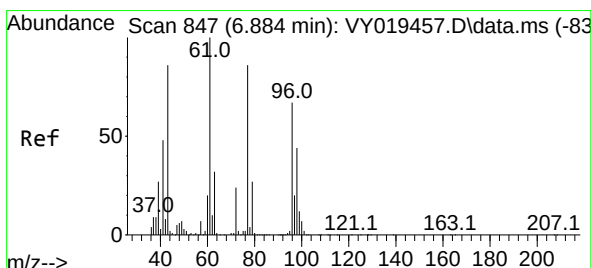
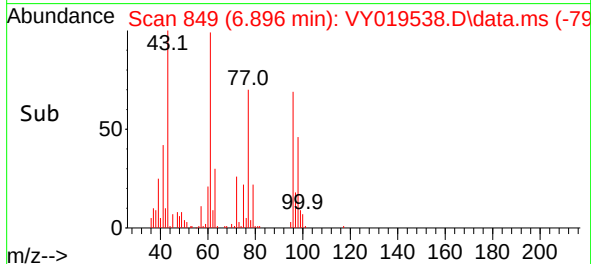
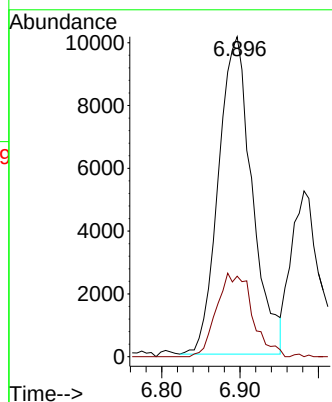
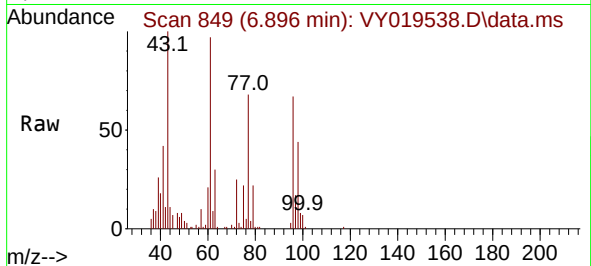




#25
2-Butanone
Concen: 22.503 ug/l
RT: 6.896 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

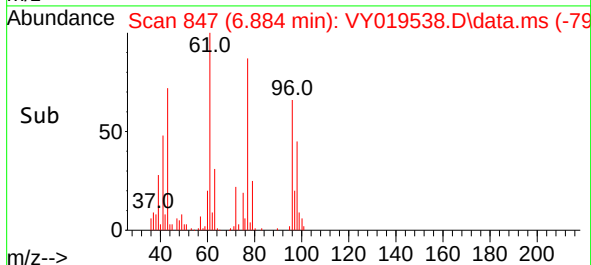
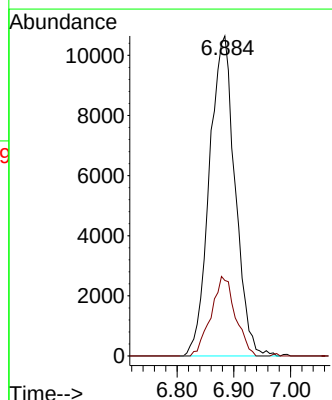
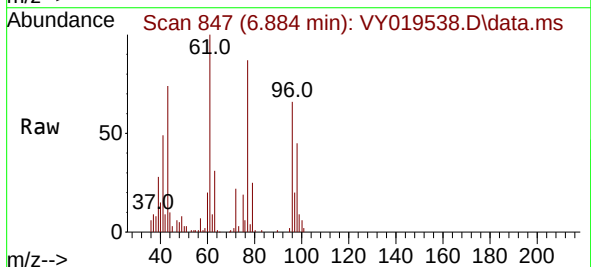
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

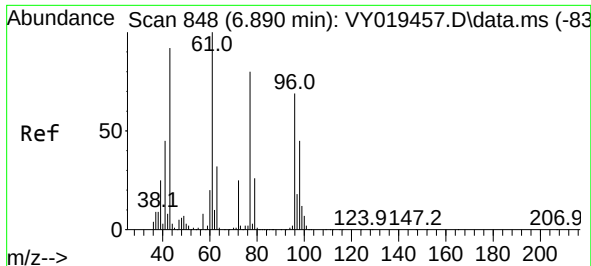
Tgt Ion: 43 Resp: 30198
Ion Ratio Lower Upper
43 100
72 25.3 27.3 40.9#



#26
2,2-Dichloropropane
Concen: 4.736 ug/l
RT: 6.884 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 77 Resp: 33499
Ion Ratio Lower Upper
77 100
97 23.5 12.0 36.1





#27

cis-1,2-Dichloroethene

Concen: 4.702 ug/l

RT: 6.878 min Scan# 848

Delta R.T. -0.012 min

Lab File: VY019538.D

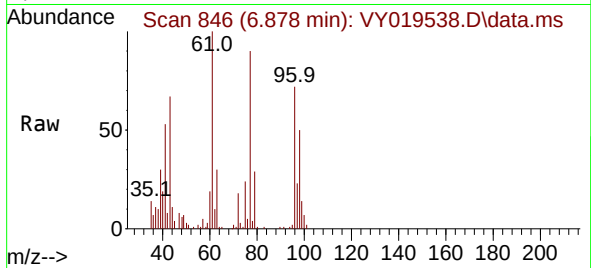
Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024



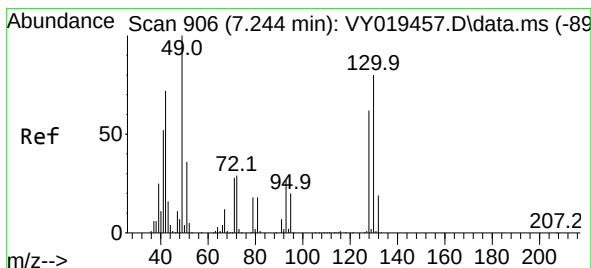
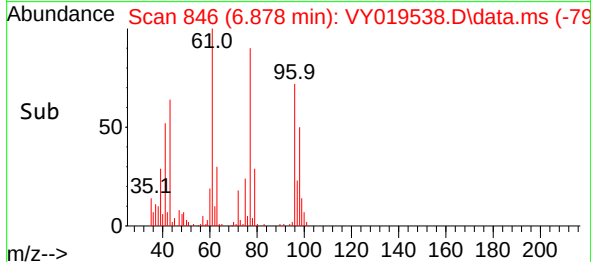
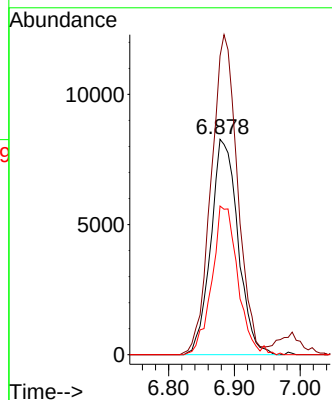
Tgt Ion: 96 Resp: 23755

Ion Ratio Lower Upper

96 100

61 144.7 0.0 256.2

98 65.8 0.0 130.0



#28

Bromochloromethane

Concen: 4.531 ug/l

RT: 7.244 min Scan# 906

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

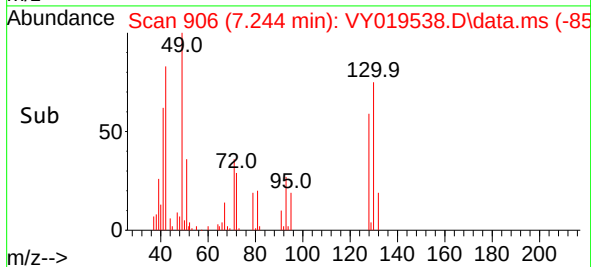
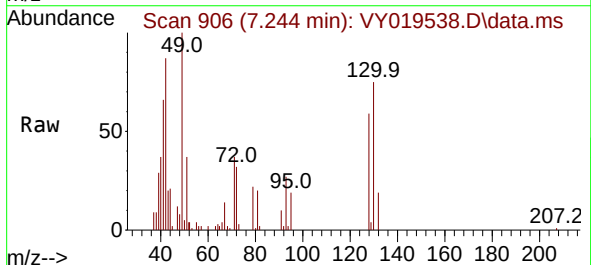
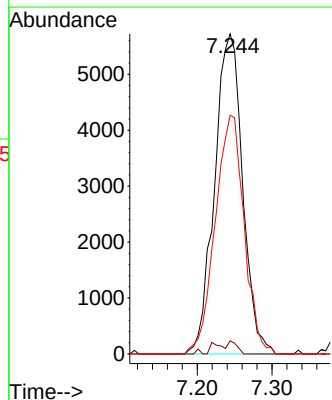
Tgt Ion: 49 Resp: 14949

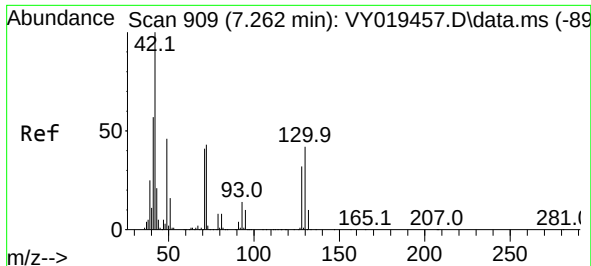
Ion Ratio Lower Upper

49 100

129 1.3 0.0 4.6

130 76.7 72.7 109.1





#29

Tetrahydrofuran

Concen: 22.568 ug/l

RT: 7.262 min Scan# 909

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024

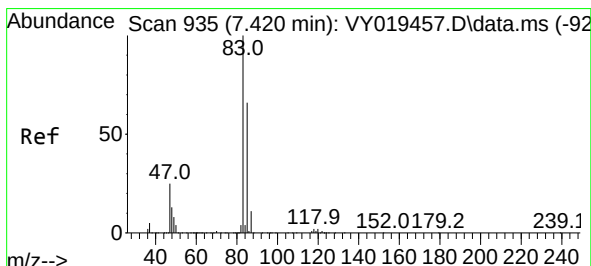
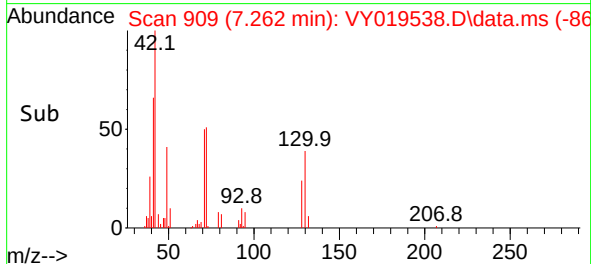
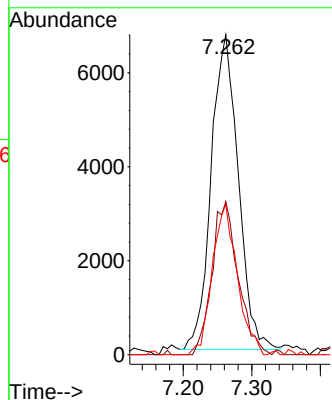
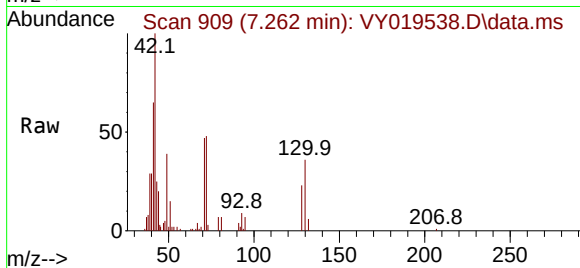
Tgt Ion: 42 Resp: 18414

Ion Ratio Lower Upper

42 100

72 47.1 43.0 64.4

71 44.1 40.8 61.2



#30

Chloroform

Concen: 5.153 ug/l

RT: 7.415 min Scan# 934

Delta R.T. -0.006 min

Lab File: VY019538.D

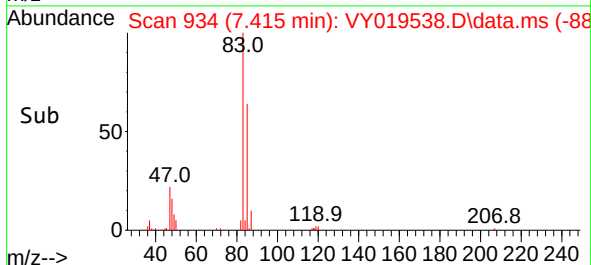
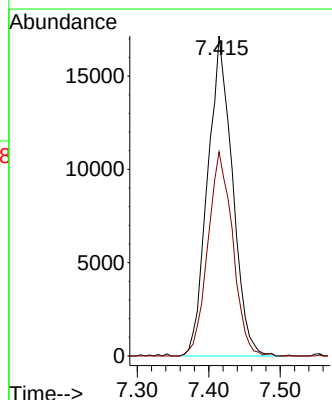
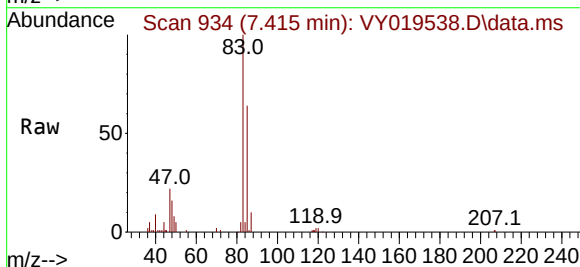
Acq: 13 Sep 2024 14:26

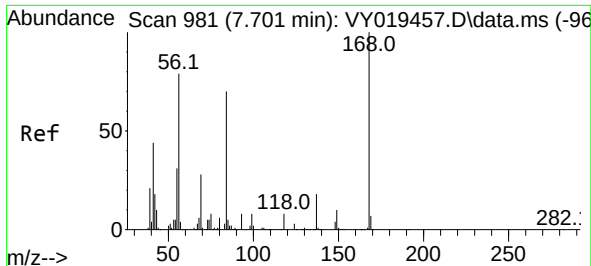
Tgt Ion: 83 Resp: 41247

Ion Ratio Lower Upper

83 100

85 63.8 52.2 78.4

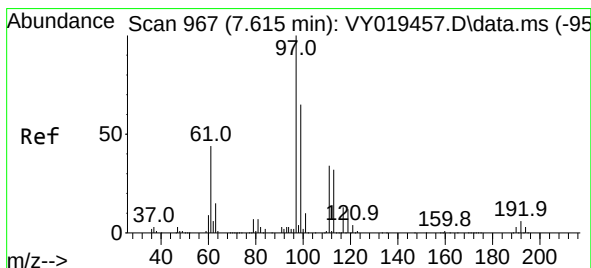
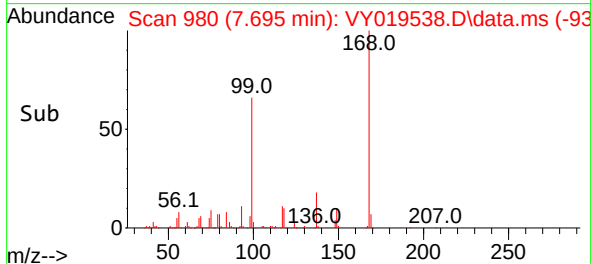
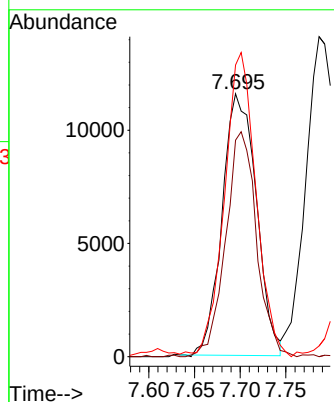
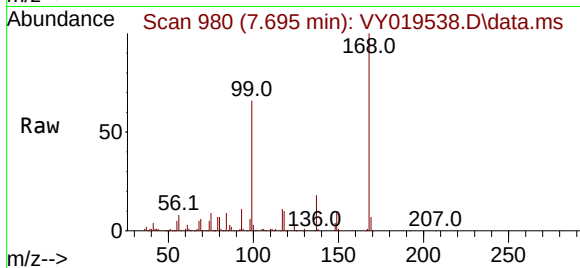




#31
Cyclohexane
Concen: 4.234 ug/l
RT: 7.695 min Scan# 981
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

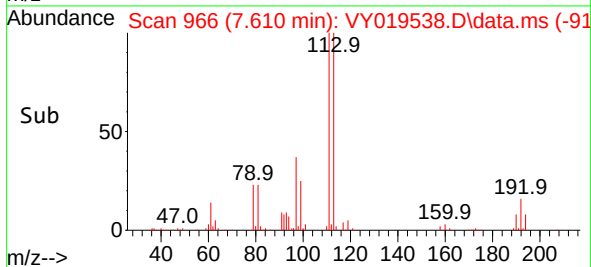
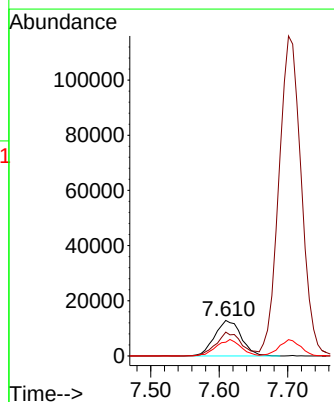
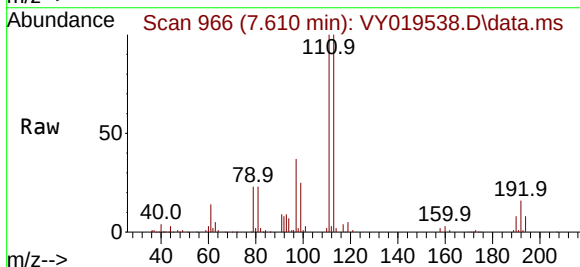
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

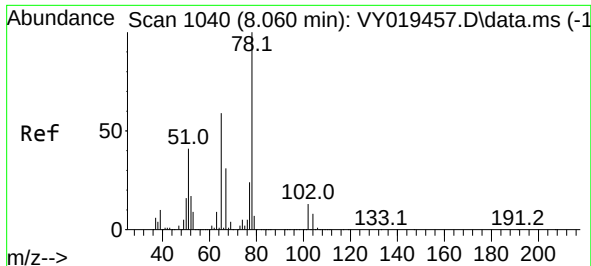
Tgt Ion: 56 Resp: 30011
Ion Ratio Lower Upper
56 100
69 82.9 28.7 43.1#
84 110.8 77.7 116.5



#32
1,1,1-Trichloroethane
Concen: 4.807 ug/l
RT: 7.610 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 97 Resp: 34494
Ion Ratio Lower Upper
97 100
99 63.3 50.3 75.5
61 42.7 32.6 48.8





#33

1,2-Dichloroethane-d4

Concen: 50.234 ug/l

RT: 8.055 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

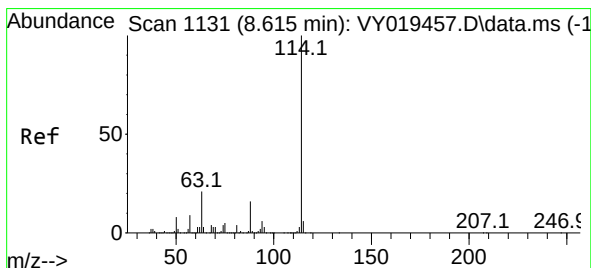
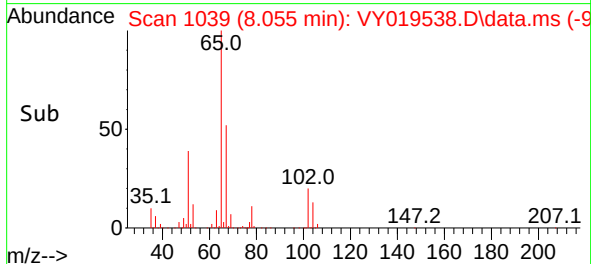
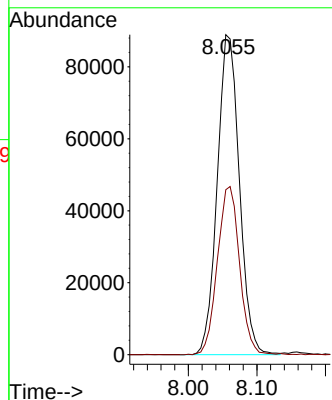
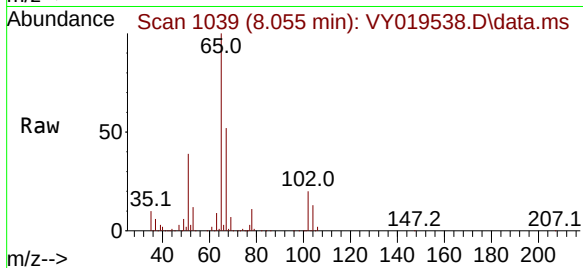
LOQ-SOIL-02-QT3-2024

Tgt Ion: 65 Resp: 198954

Ion Ratio Lower Upper

65 100

67 52.7 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

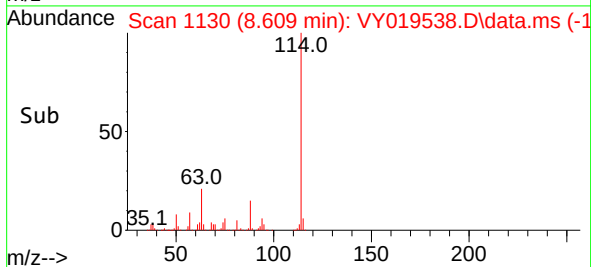
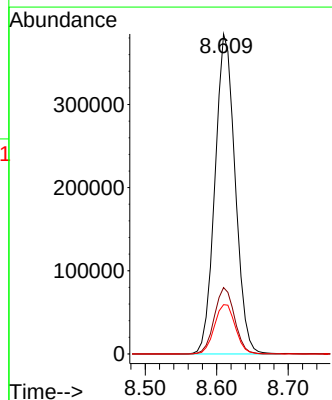
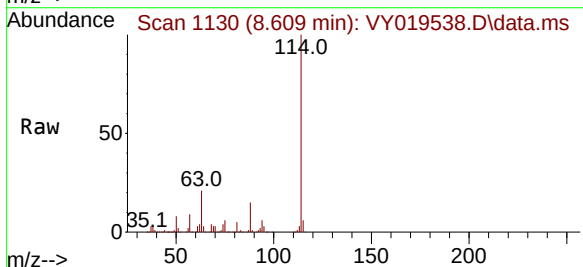
Tgt Ion: 114 Resp: 753179

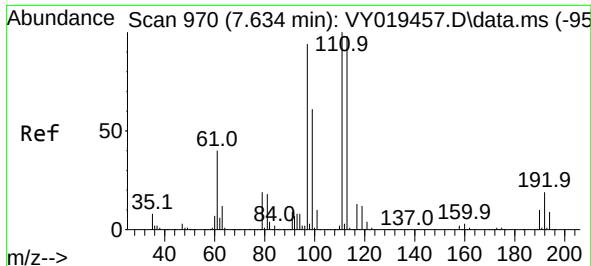
Ion Ratio Lower Upper

114 100

63 20.8 0.0 35.0

88 15.4 0.0 27.2

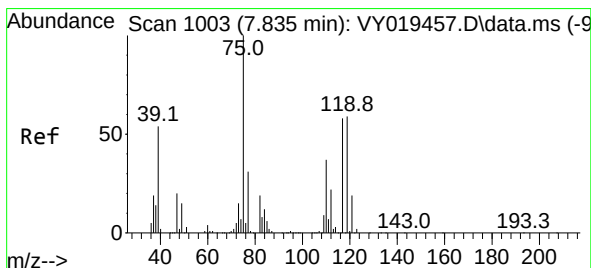
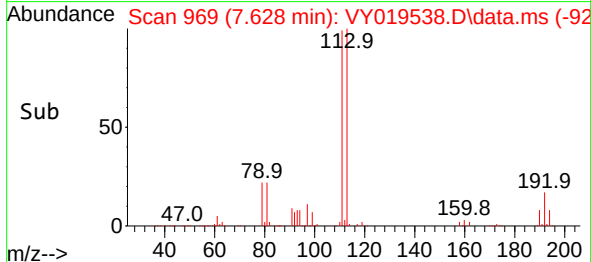
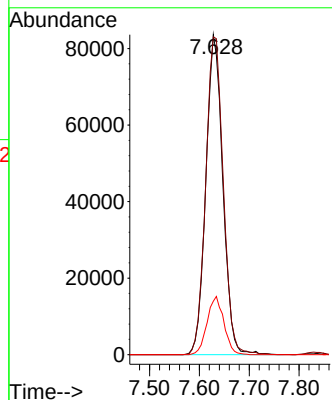
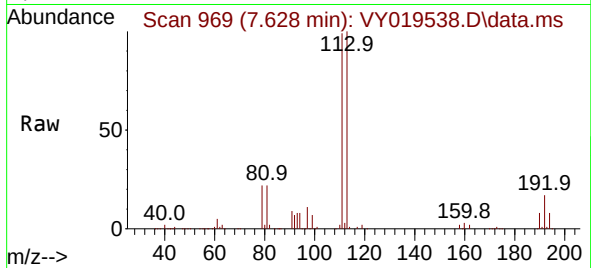




#35
Dibromofluoromethane
Concen: 46.257 ug/l
RT: 7.628 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

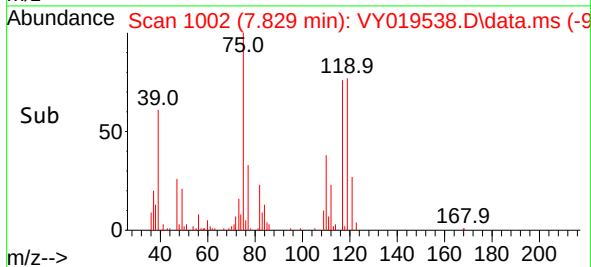
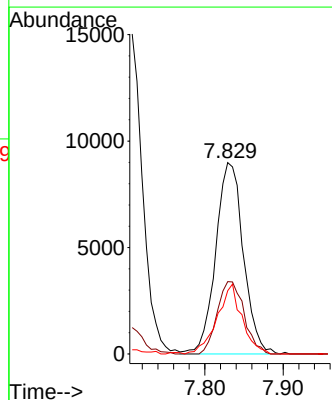
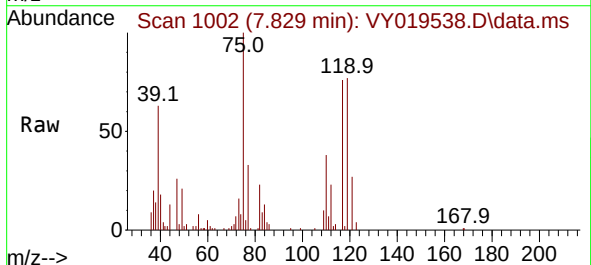
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

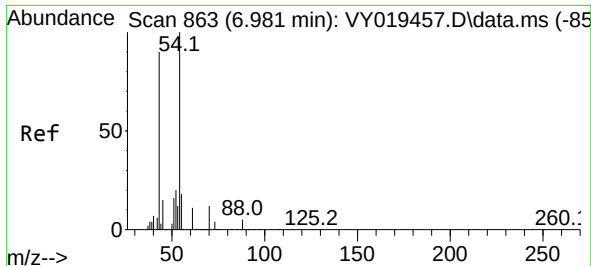
Tgt Ion:113 Resp: 197534
Ion Ratio Lower Upper
113 100
111 102.9 82.2 123.4
192 18.0 15.9 23.9



#36
1,1-Dichloropropene
Concen: 3.795 ug/l
RT: 7.829 min Scan# 1002
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 75 Resp: 22054
Ion Ratio Lower Upper
75 100
110 36.7 19.0 57.0
77 32.8 25.3 37.9





#37

Ethyl Acetate

Concen: 4.662 ug/l

RT: 6.982 min Scan# 80

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024

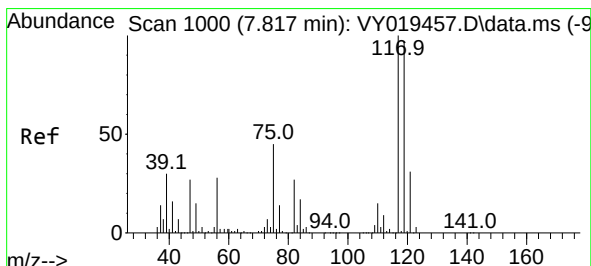
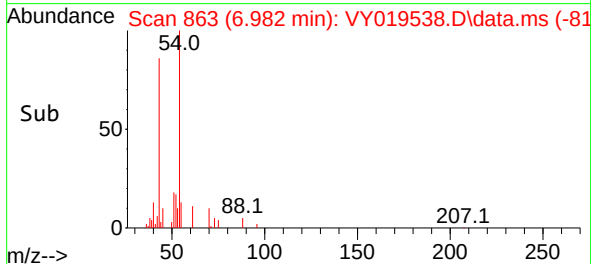
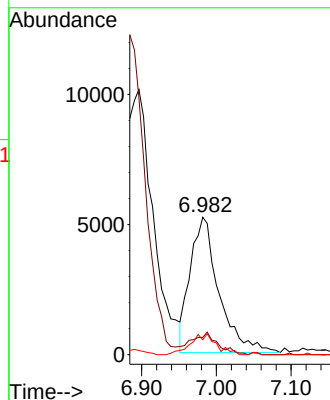
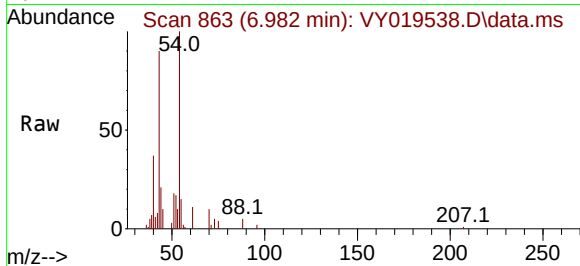
Tgt Ion: 43 Resp: 13880

Ion Ratio Lower Upper

43 100

61 15.9 12.6 19.0

70 13.8 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 4.155 ug/l

RT: 7.817 min Scan# 1000

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

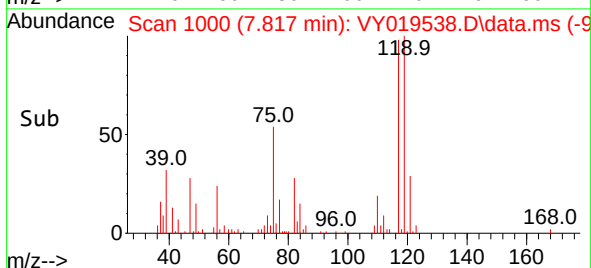
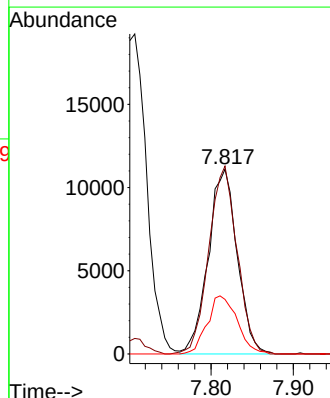
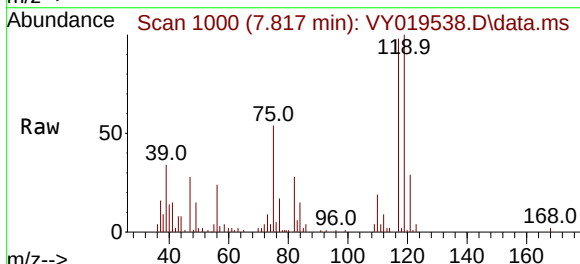
Tgt Ion: 117 Resp: 27225

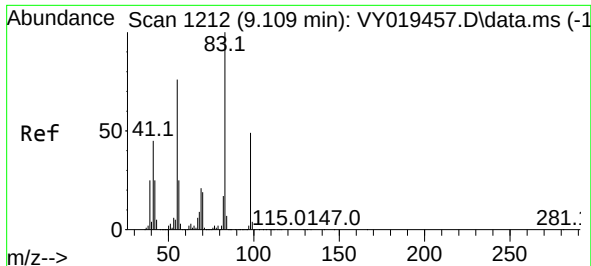
Ion Ratio Lower Upper

117 100

119 101.7 75.8 113.6

121 29.5 24.0 36.0





#39

Methylcyclohexane

Concen: 3.030 ug/l

RT: 9.103 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY019538.D

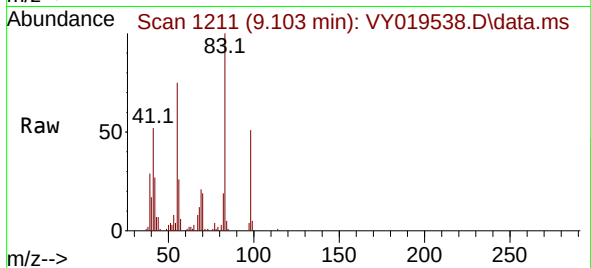
Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

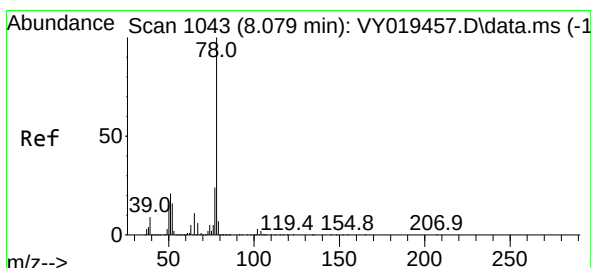
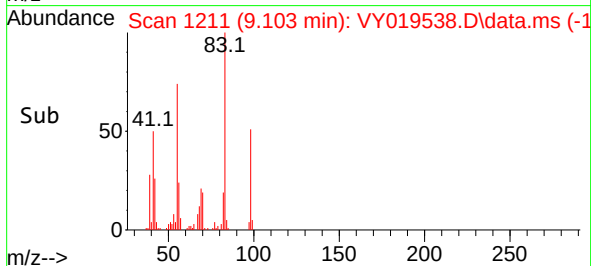
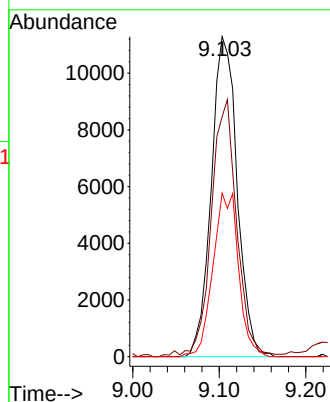
ClientSampleId :

LOQ-SOIL-02-QT3-2024



Tgt Ion: 83 Resp: 23430

Ion	Ratio	Lower	Upper
83	100		
55	74.5	51.5	77.3
98	51.1	40.5	60.7



#40

Benzene

Concen: 4.137 ug/l

RT: 8.079 min Scan# 1043

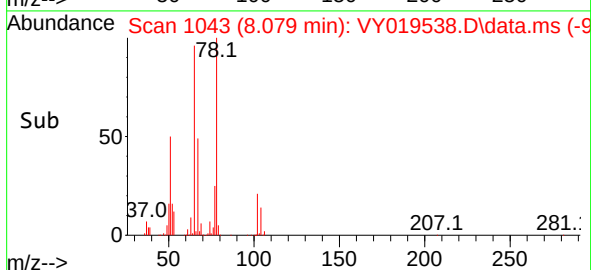
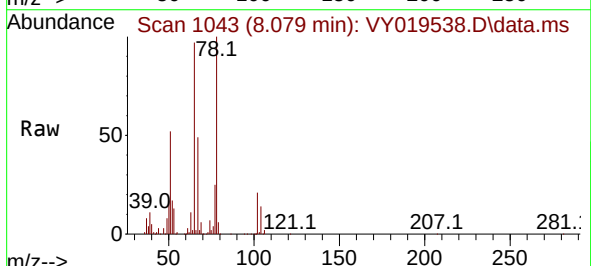
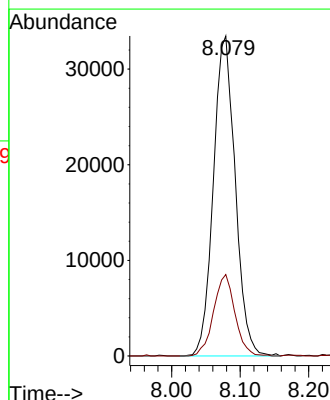
Delta R.T. 0.000 min

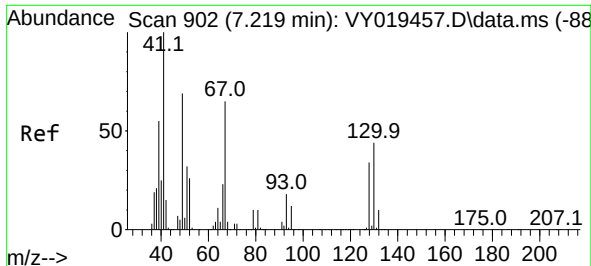
Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Tgt Ion: 78 Resp: 74045

Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.5	29.3

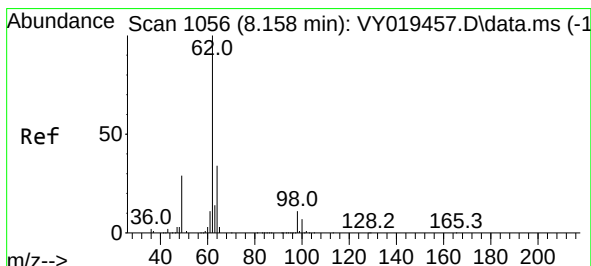
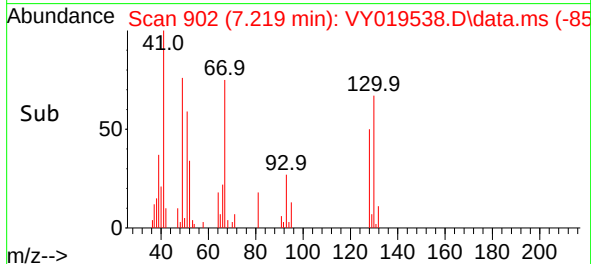
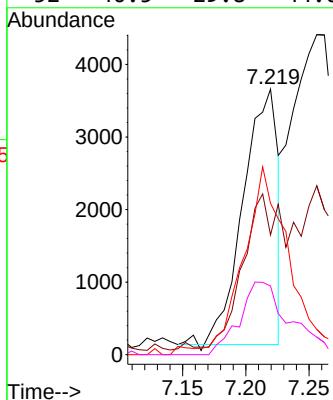
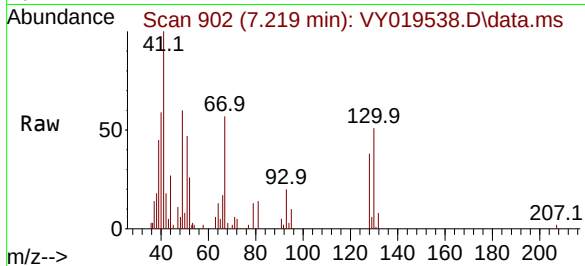




#41
Methacrylonitrile
Concen: 3.891 ug/l
RT: 7.219 min Scan# 902
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

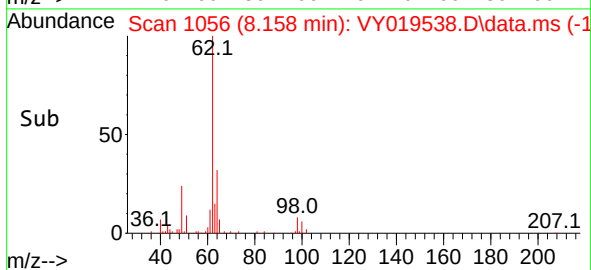
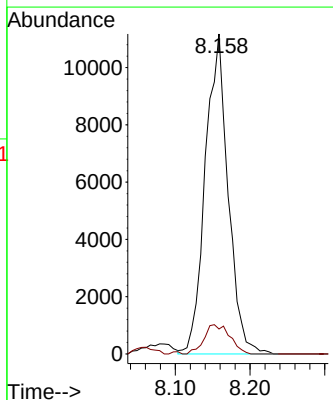
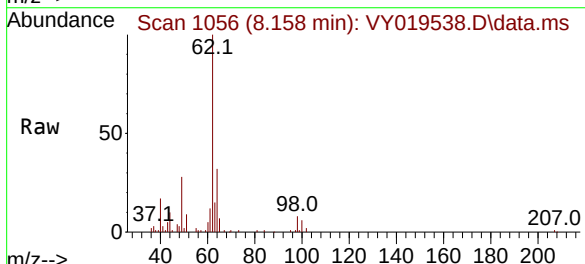
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

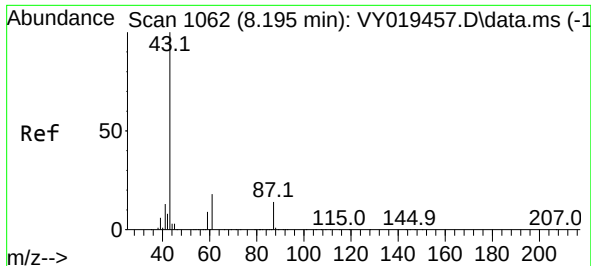
Tgt Ion:	41	Resp:	6753
Ion	Ratio	Lower	Upper
41	100		
39	67.5	48.0	72.0
67	97.5	75.1	112.7
52	40.5	29.8	44.6



#42
1,2-Dichloroethane
Concen: 4.932 ug/l
RT: 8.158 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion:	62	Resp:	23754
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	22.0

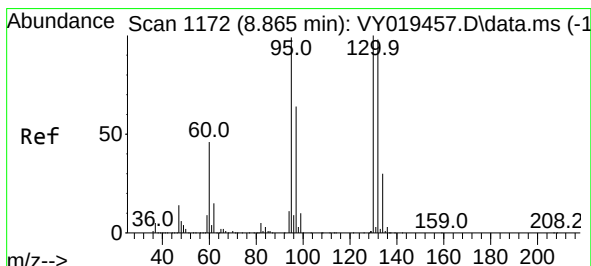
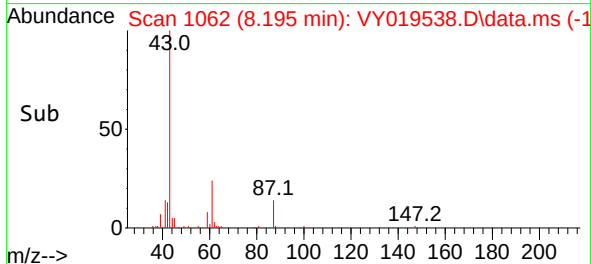
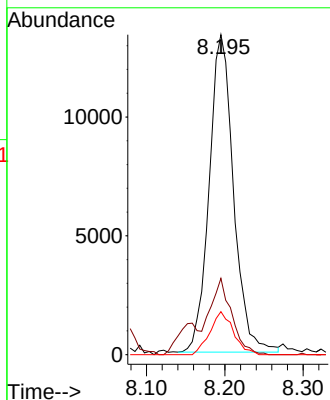
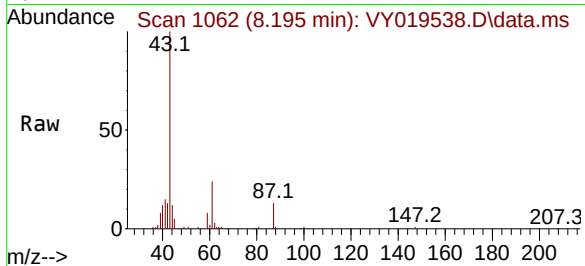




#43
Isopropyl Acetate
Concen: 4.619 ug/l
RT: 8.195 min Scan# 1062
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

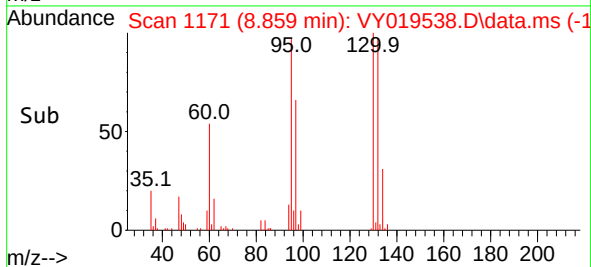
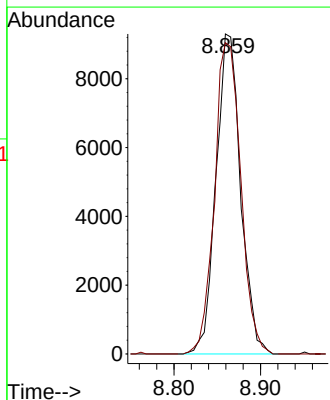
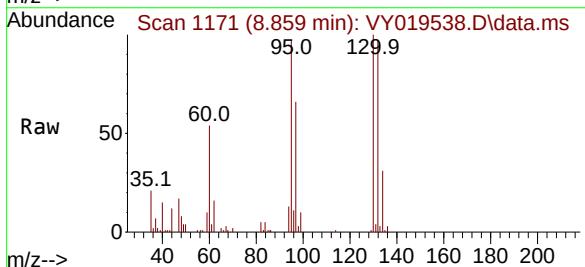
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2024

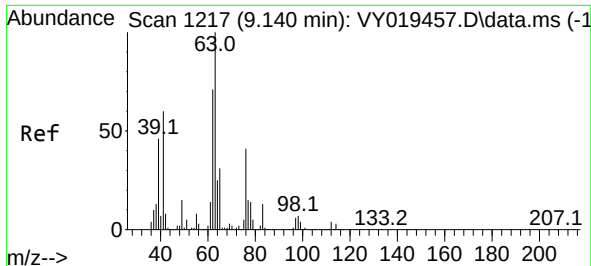
Tgt Ion: 43 Resp: 28890
Ion Ratio Lower Upper
43 100
61 20.9 27.9 41.9#
87 13.1 13.1 19.7#



#44
Trichloroethene
Concen: 3.993 ug/l
RT: 8.859 min Scan# 1171
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion:130 Resp: 18379
Ion Ratio Lower Upper
130 100
95 97.2 0.0 188.0

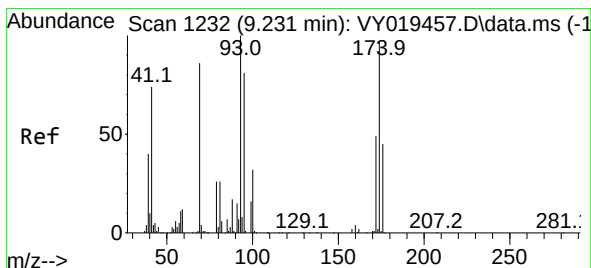
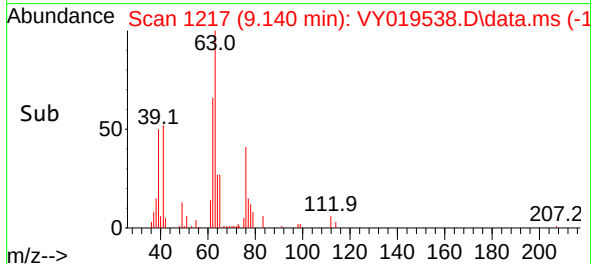
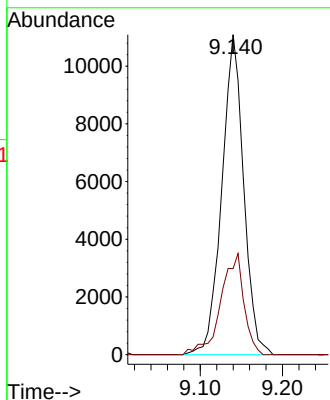
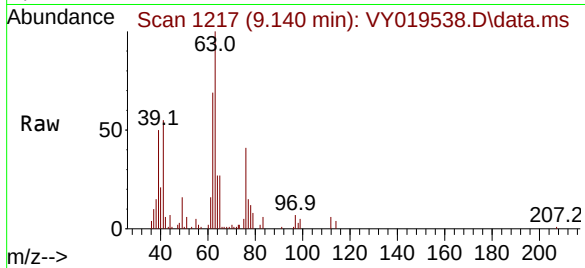




#45
1,2-Dichloropropane
Concen: 4.677 ug/l
RT: 9.140 min Scan# 1217
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

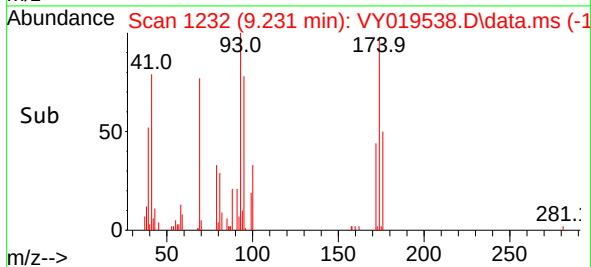
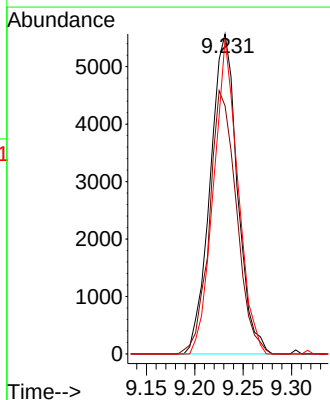
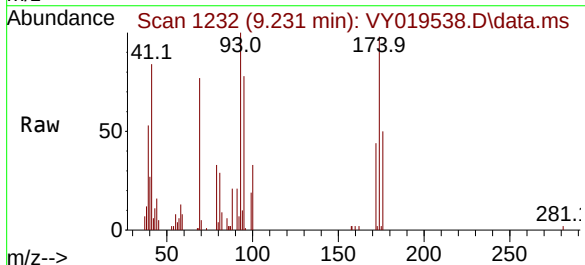
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2024

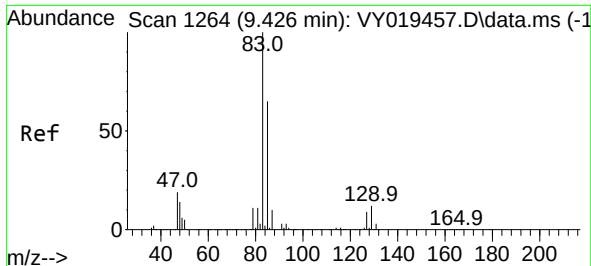
Tgt Ion: 63 Resp: 20464
Ion Ratio Lower Upper
63 100
65 26.9 25.4 38.2



#46
Dibromomethane
Concen: 4.560 ug/l
RT: 9.231 min Scan# 1232
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 93 Resp: 10910
Ion Ratio Lower Upper
93 100
95 81.6 66.2 99.4
174 88.1 80.9 121.3

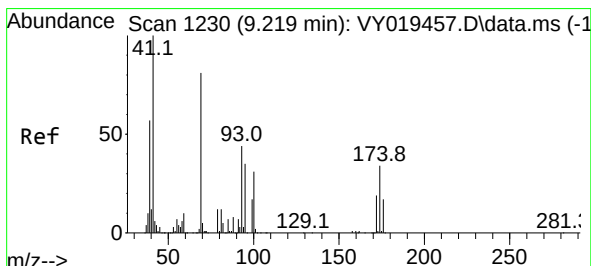
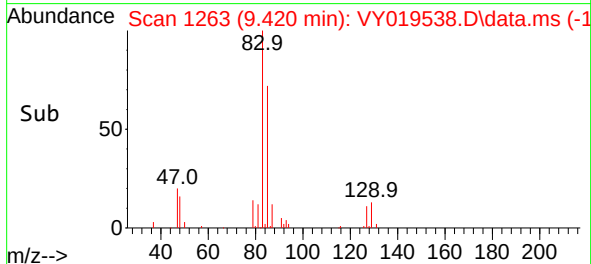
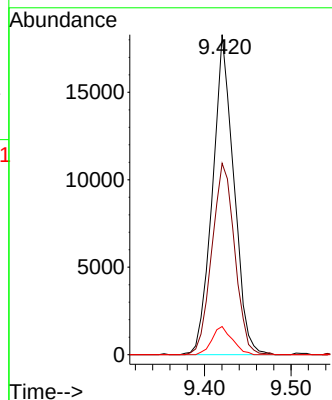
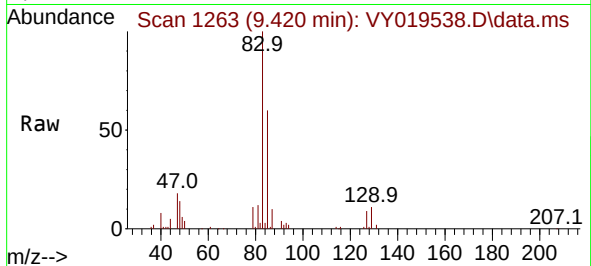




#47
Bromodichloromethane
Concen: 4.867 ug/l
RT: 9.420 min Scan# 1263
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

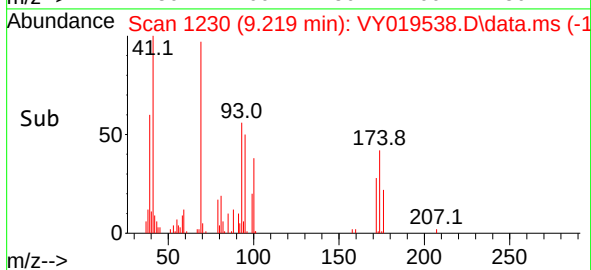
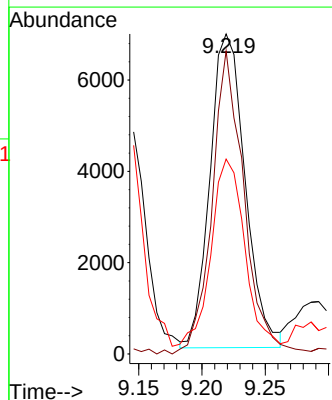
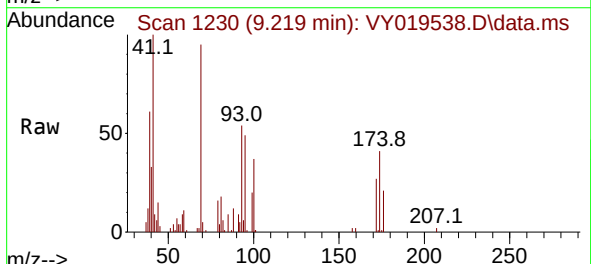
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

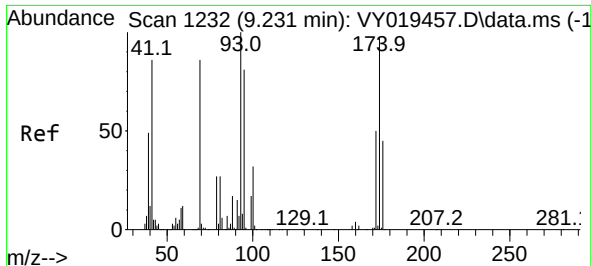
Tgt Ion:	83	Resp:	31306
Ion	Ratio	Lower	Upper
83	100		
85	59.8	50.1	75.1
127	8.8	7.4	11.0



#48
Methyl methacrylate
Concen: 4.503 ug/l
RT: 9.219 min Scan# 1230
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion:	41	Resp:	13300
Ion	Ratio	Lower	Upper
41	100		
69	87.4	84.1	126.1
39	59.8	43.6	65.4

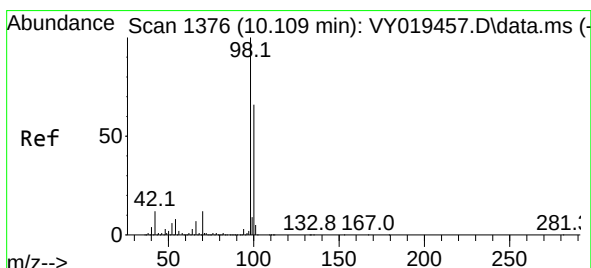
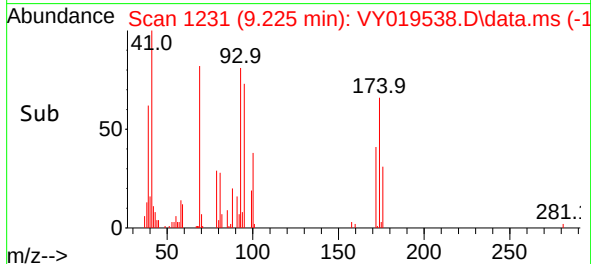
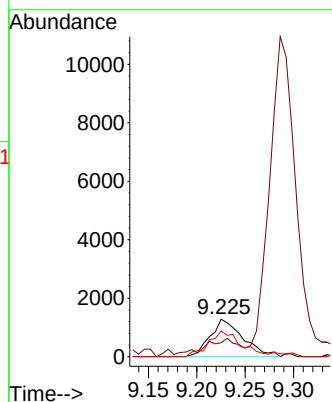
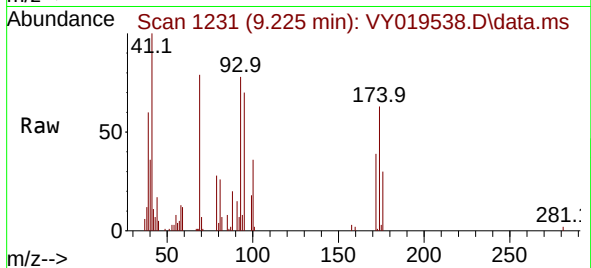




#49
1,4-Dioxane
Concen: 106.966 ug/l
RT: 9.225 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

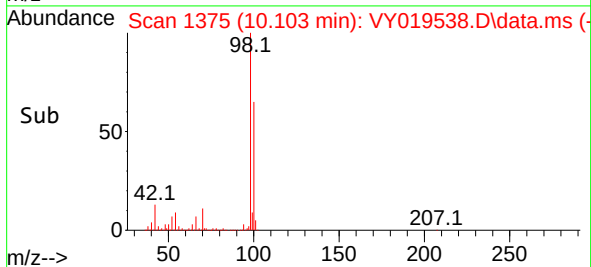
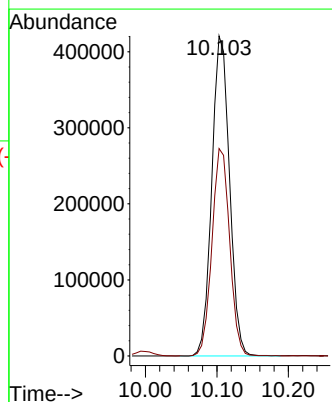
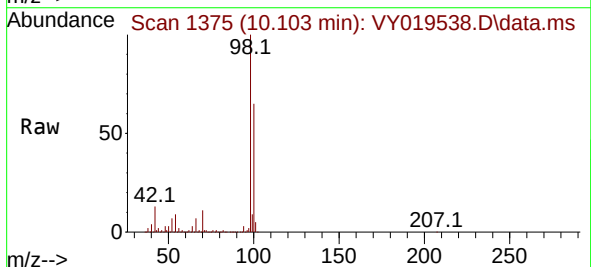
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

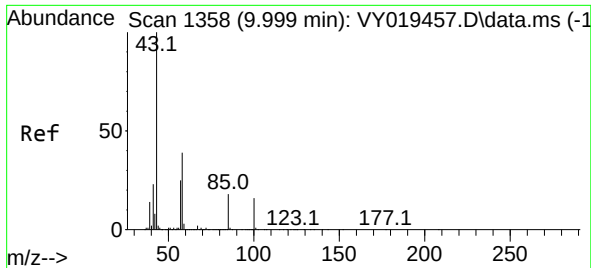
Tgt Ion: 88 Resp: 3013
Ion Ratio Lower Upper
88 100
43 30.3 0.0 0.0#
58 67.3 49.3 73.9



#50
Toluene-d8
Concen: 45.753 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 98 Resp: 722678
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

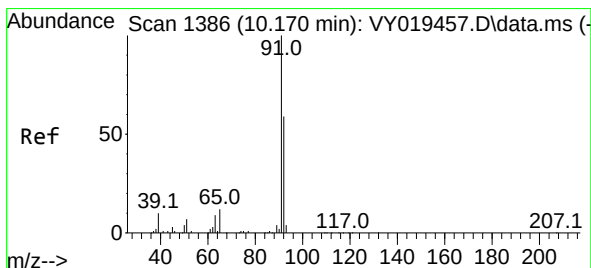
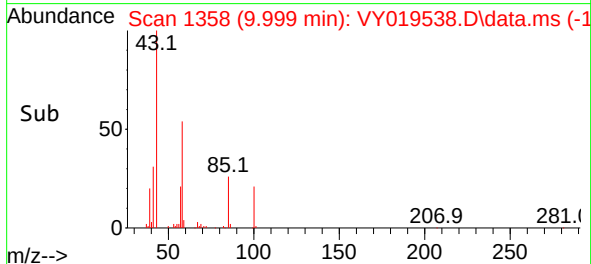
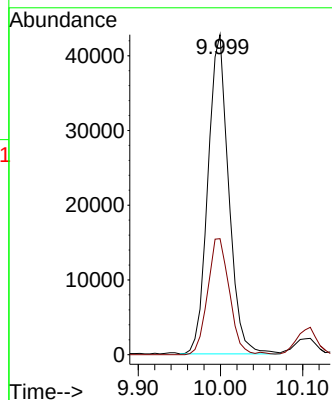
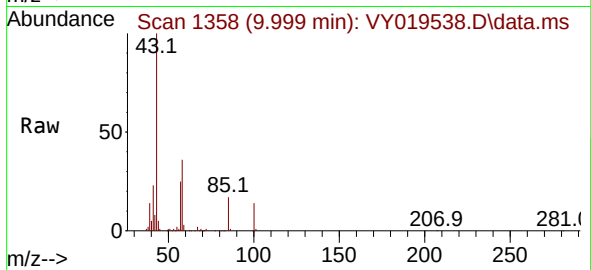




#51
4-Methyl-2-Pentanone
Concen: 23.773 ug/l
RT: 9.999 min Scan# 1358
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

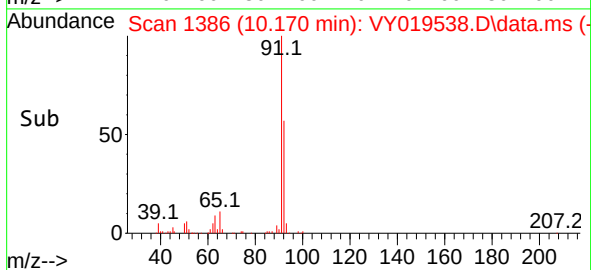
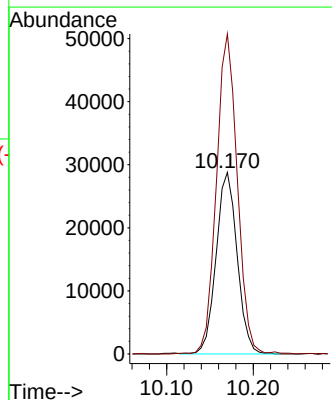
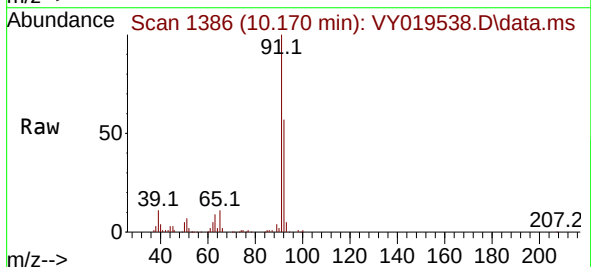
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

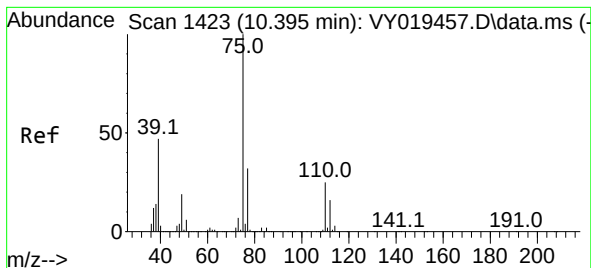
Tgt Ion: 43 Resp: 74811
Ion Ratio Lower Upper
43 100
58 38.0 35.7 53.5



#52
Toluene
Concen: 4.219 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 92 Resp: 48558
Ion Ratio Lower Upper
92 100
91 174.5 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 4.449 ug/l

RT: 10.396 min Scan# 1423

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

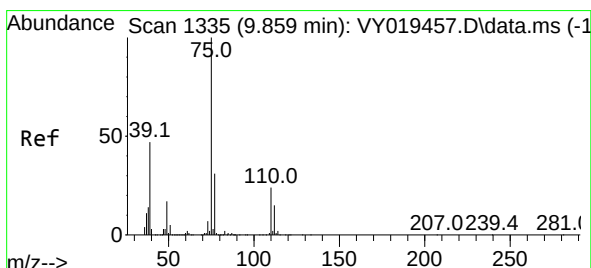
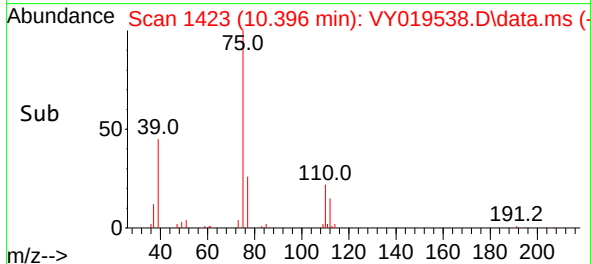
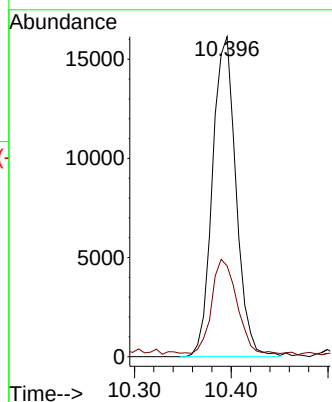
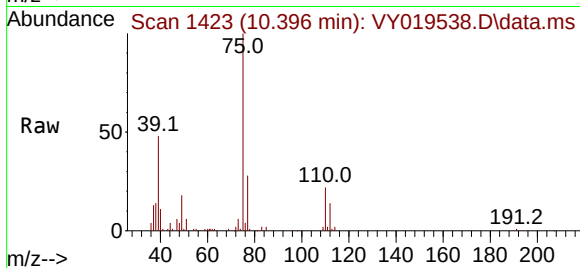
LOQ-SOIL-02-QT3-2024

Tgt Ion: 75 Resp: 27278

Ion Ratio Lower Upper

75 100

77 27.4 24.1 36.1



#54

cis-1,3-Dichloropropene

Concen: 4.398 ug/l

RT: 9.859 min Scan# 1335

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

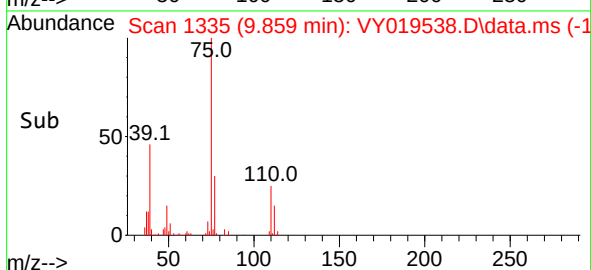
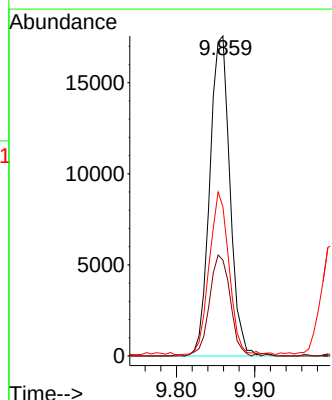
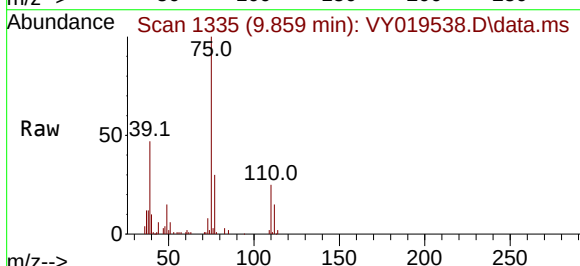
Tgt Ion: 75 Resp: 31400

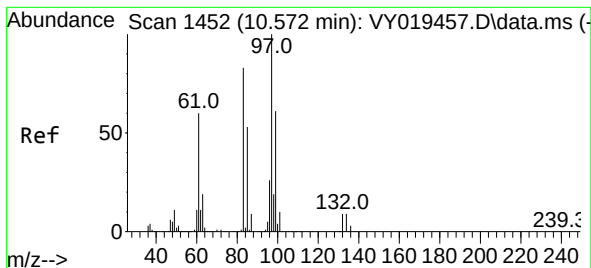
Ion Ratio Lower Upper

75 100

77 29.9 25.4 38.0

39 46.2 29.8 44.6#





#55

1,1,2-Trichloroethane

Concen: 4.869 ug/l

RT: 10.573 min Scan# 1452

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024

Tgt Ion: 97 Resp: 16087

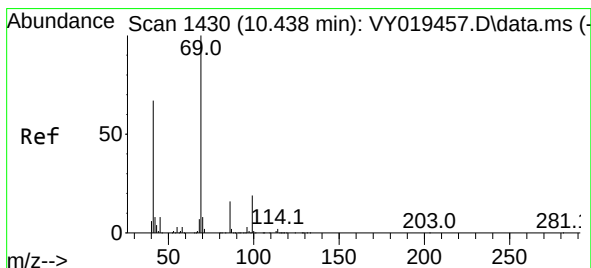
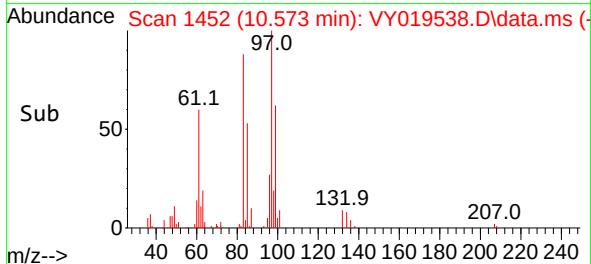
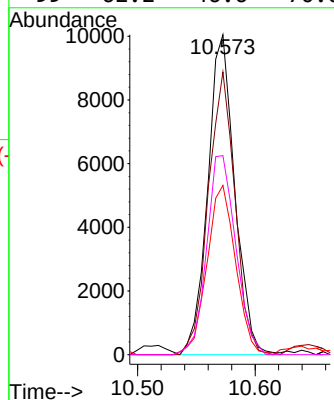
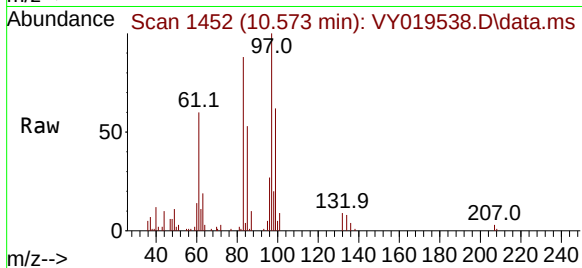
Ion Ratio Lower Upper

97 100

83 88.3 67.5 101.3

85 52.0 42.9 64.3

99 62.2 46.6 70.0



#56

Ethyl methacrylate

Concen: 4.463 ug/l

RT: 10.438 min Scan# 1430

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

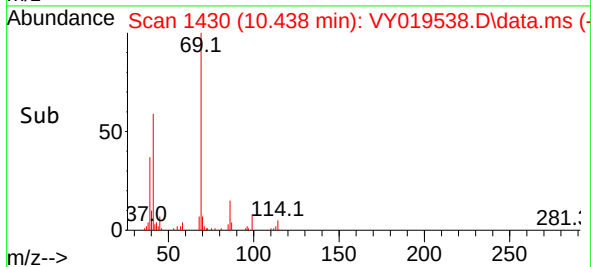
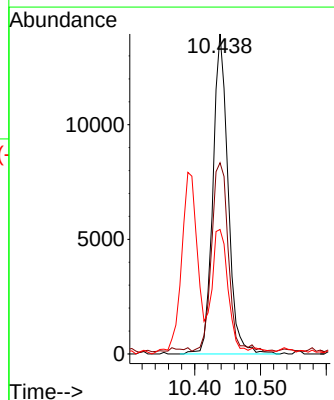
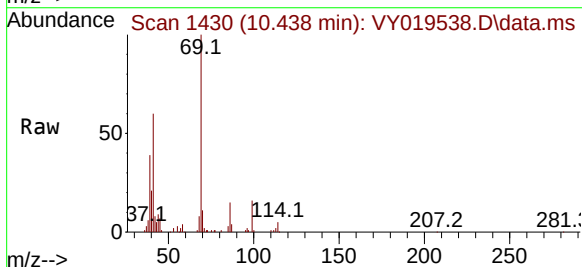
Tgt Ion: 69 Resp: 22403

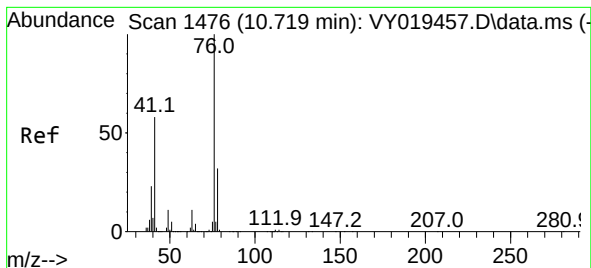
Ion Ratio Lower Upper

69 100

41 65.1 42.3 63.5#

39 39.6 22.9 34.3#





#57

1,3-Dichloropropane

Concen: 4.698 ug/l

RT: 10.719 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

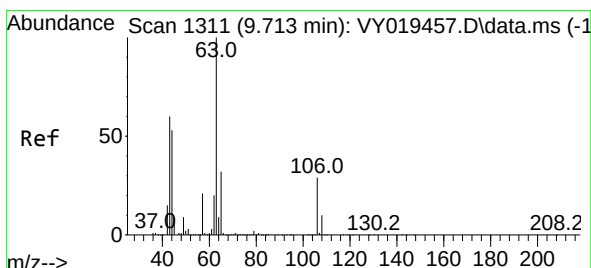
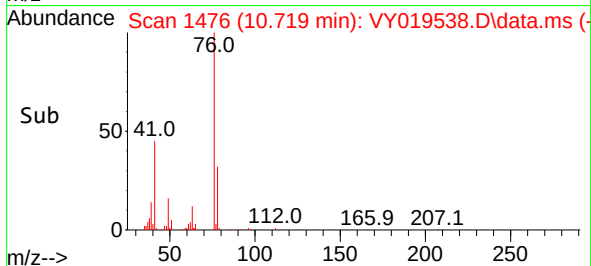
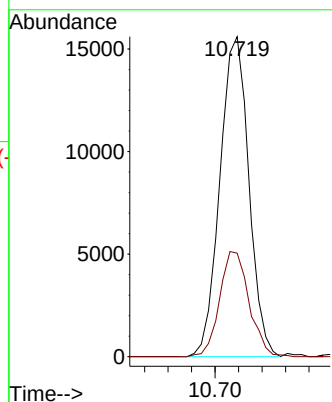
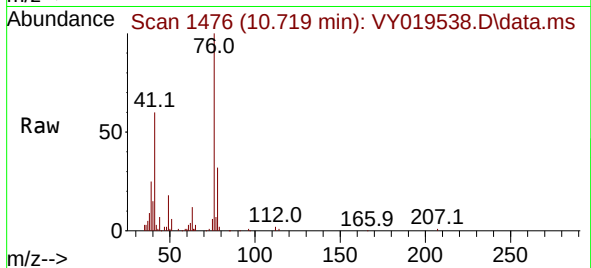
LOQ-SOIL-02-QT3-2024

Tgt Ion: 76 Resp: 26682

Ion Ratio Lower Upper

76 100

78 33.5 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 21.611 ug/l

RT: 9.707 min Scan# 1310

Delta R.T. -0.006 min

Lab File: VY019538.D

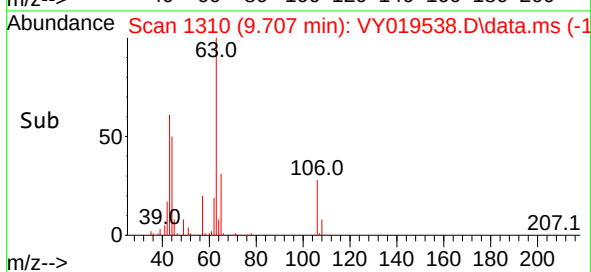
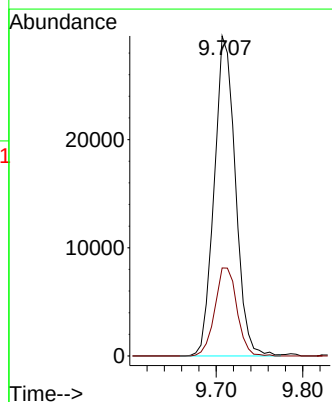
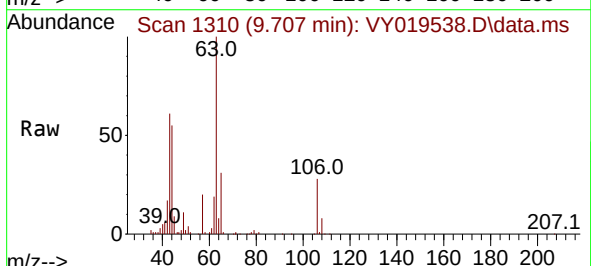
Acq: 13 Sep 2024 14:26

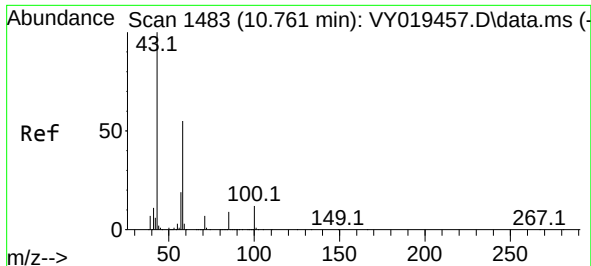
Tgt Ion: 63 Resp: 50346

Ion Ratio Lower Upper

63 100

106 28.6 23.7 35.5





#59

2-Hexanone

Concen: 21.362 ug/l

RT: 10.762 min Scan# 1483

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

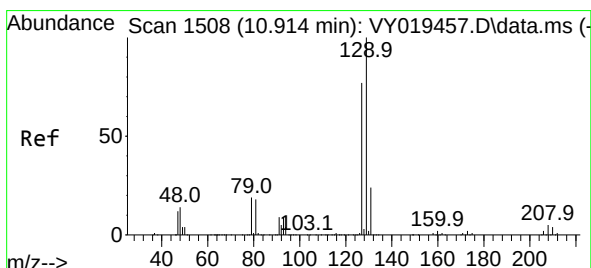
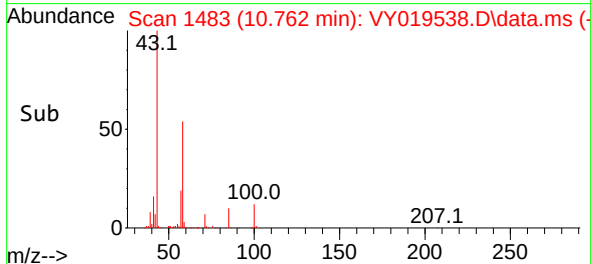
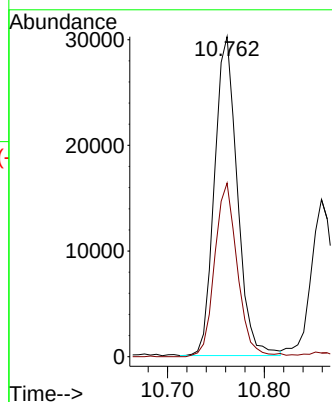
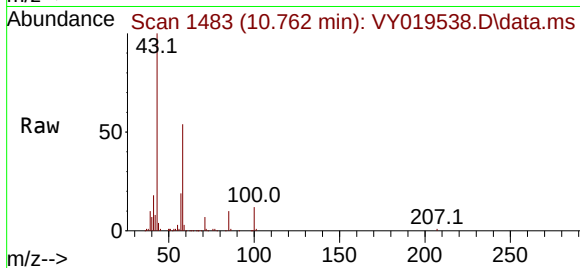
LOQ-SOIL-02-QT3-2024

Tgt Ion: 43 Resp: 49283

Ion Ratio Lower Upper

43 100

58 54.5 31.4 94.0



#60

Dibromochloromethane

Concen: 4.897 ug/l

RT: 10.908 min Scan# 1507

Delta R.T. -0.006 min

Lab File: VY019538.D

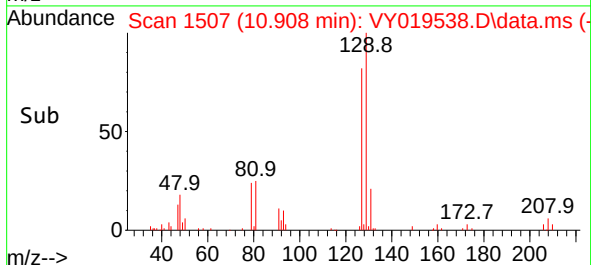
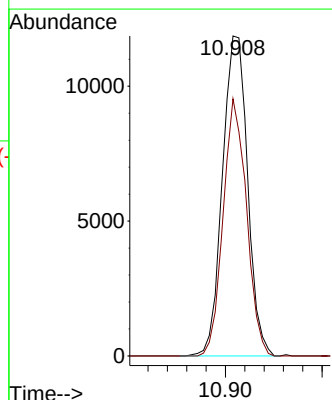
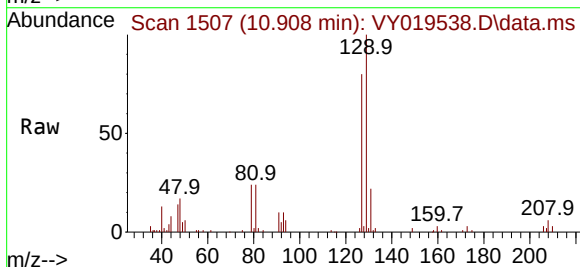
Acq: 13 Sep 2024 14:26

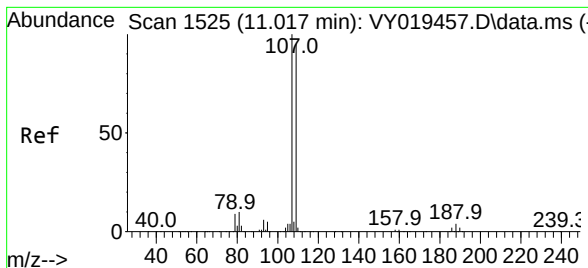
Tgt Ion: 129 Resp: 21403

Ion Ratio Lower Upper

129 100

127 74.7 39.0 117.0

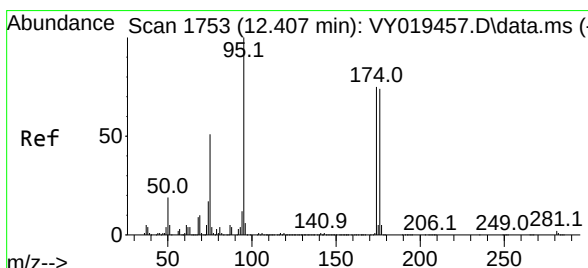
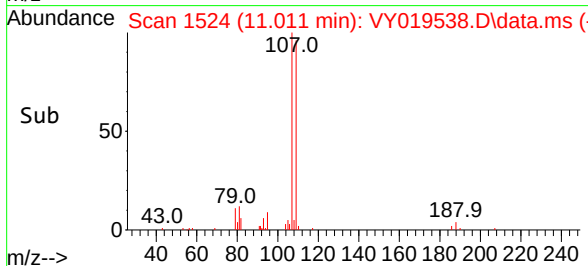
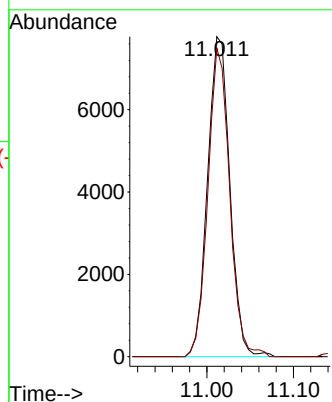
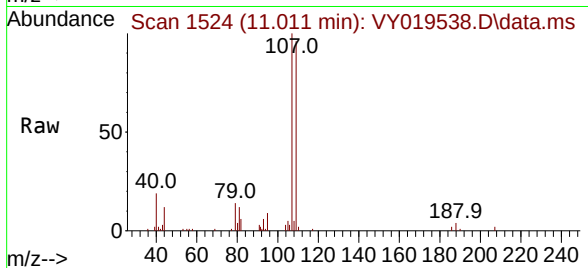




#61
1,2-Dibromoethane
Concen: 4.511 ug/l
RT: 11.011 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

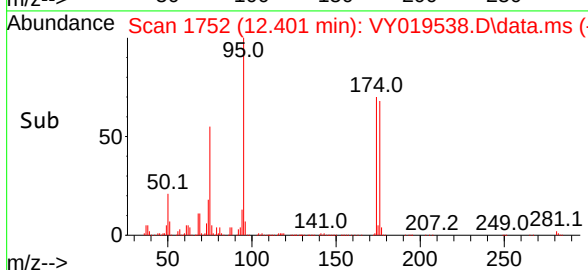
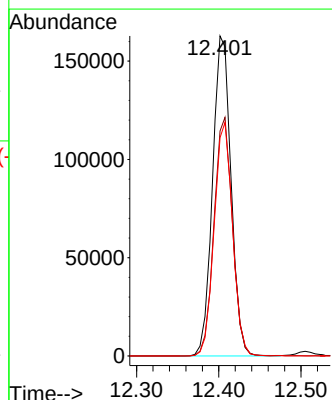
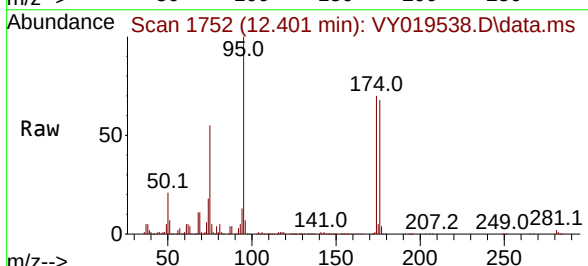
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

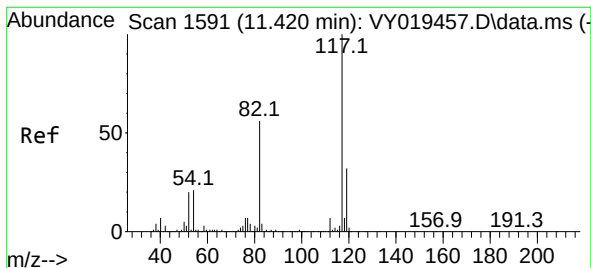
Tgt Ion:107 Resp: 13889
Ion Ratio Lower Upper
107 100
109 94.1 75.9 113.9



#62
4-Bromofluorobenzene
Concen: 41.845 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 95 Resp: 254141
Ion Ratio Lower Upper
95 100
174 74.2 0.0 175.6
176 72.5 0.0 171.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024

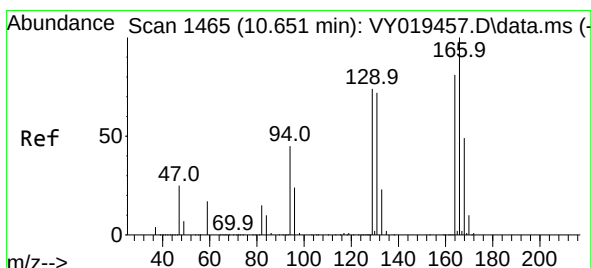
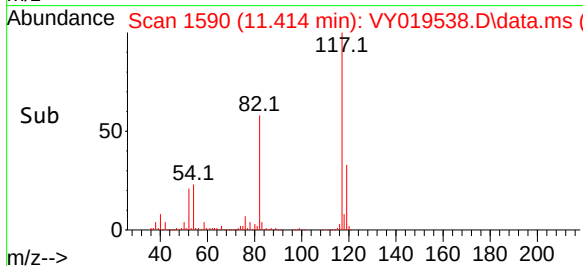
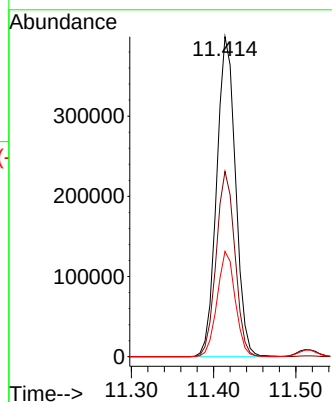
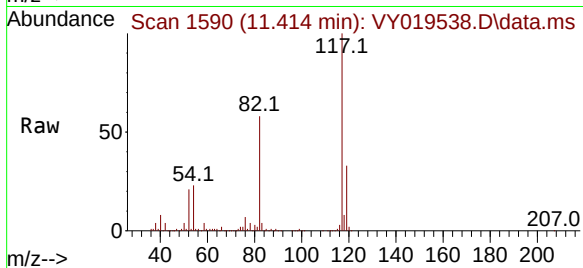
Tgt Ion:117 Resp: 637377

Ion Ratio Lower Upper

117 100

82 57.9 42.4 63.6

119 32.9 25.9 38.9



#64

Tetrachloroethene

Concen: 4.289 ug/l

RT: 10.646 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Tgt Ion:164 Resp: 16930

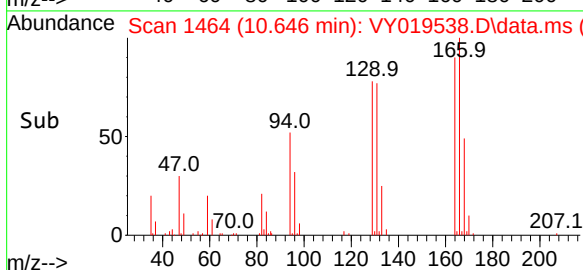
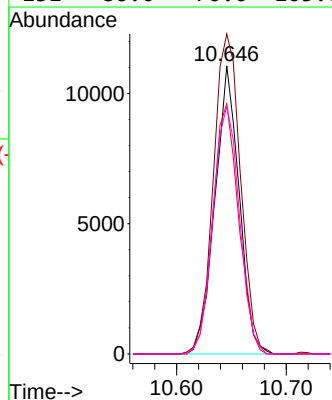
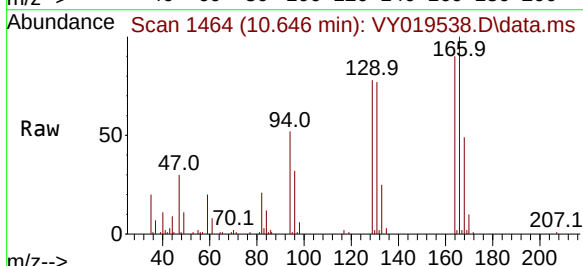
Ion Ratio Lower Upper

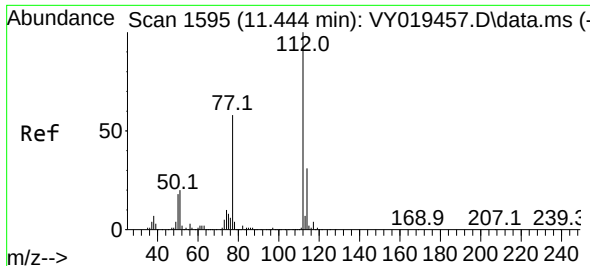
164 100

166 111.1 102.6 154.0

129 86.8 72.0 108.0

131 86.0 70.0 105.0

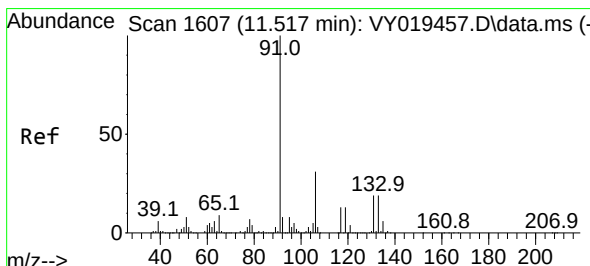
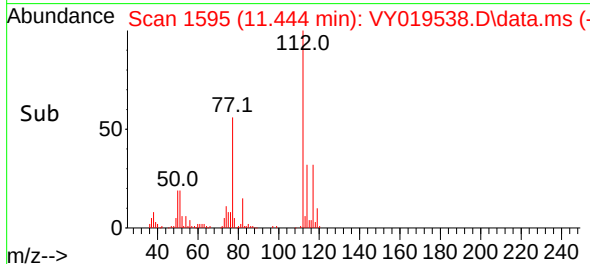
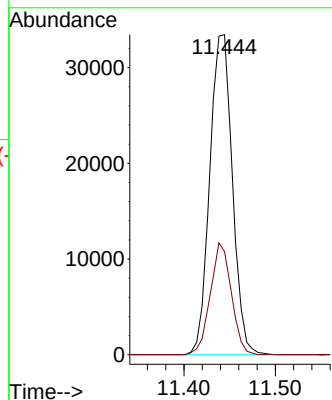
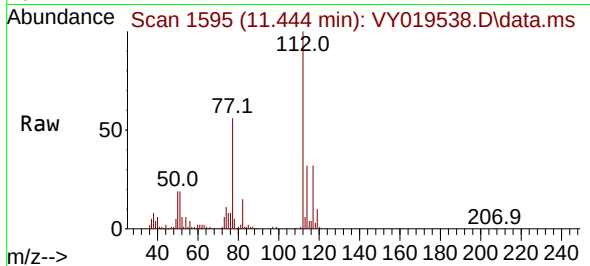




#65
Chlorobenzene
Concen: 4.581 ug/l
RT: 11.444 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

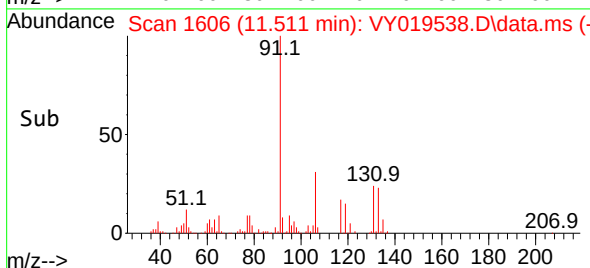
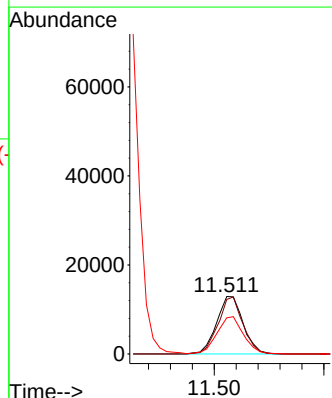
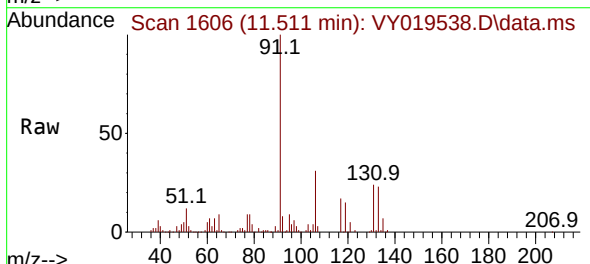
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

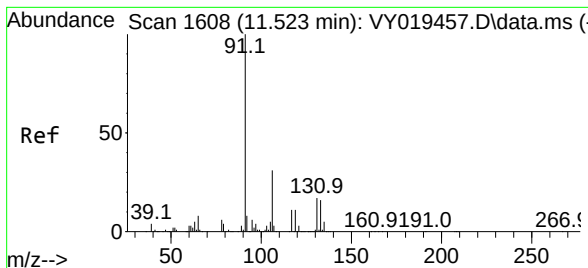
Tgt Ion:112 Resp: 57440
Ion Ratio Lower Upper
112 100
114 32.2 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 4.979 ug/l
RT: 11.511 min Scan# 1606
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion:131 Resp: 21615
Ion Ratio Lower Upper
131 100
133 92.9 47.8 143.3
119 65.3 34.1 102.2





#67

Ethyl Benzene

Concen: 4.479 ug/l

RT: 11.517 min Scan# 1607

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

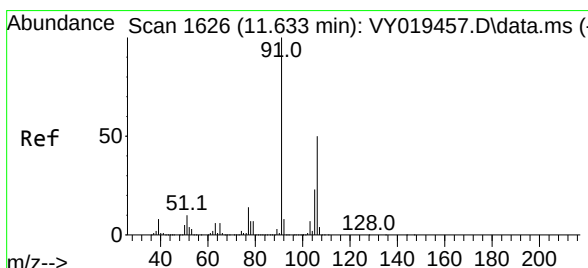
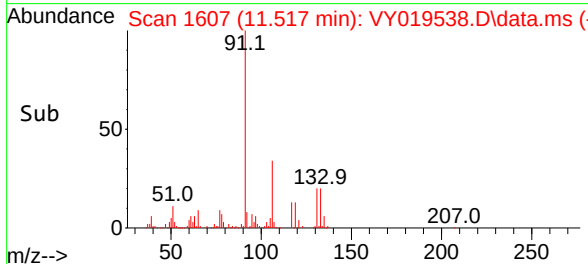
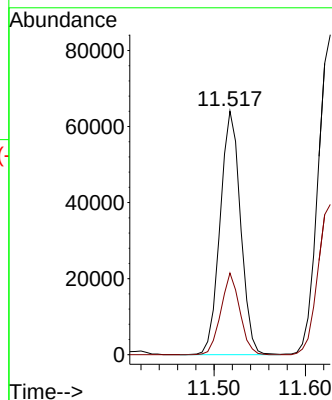
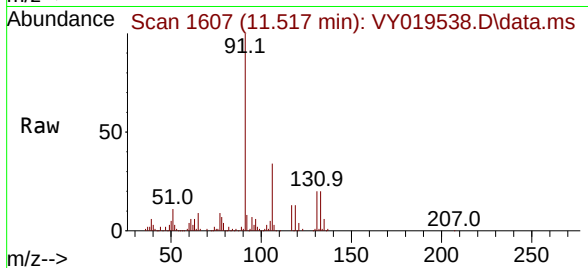
LOQ-SOIL-02-QT3-2024

Tgt Ion: 91 Resp: 99772

Ion Ratio Lower Upper

91 100

106 33.5 24.5 36.7



#68

m/p-Xylenes

Concen: 8.746 ug/l

RT: 11.627 min Scan# 1625

Delta R.T. -0.006 min

Lab File: VY019538.D

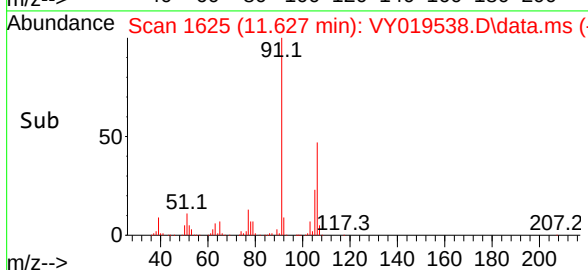
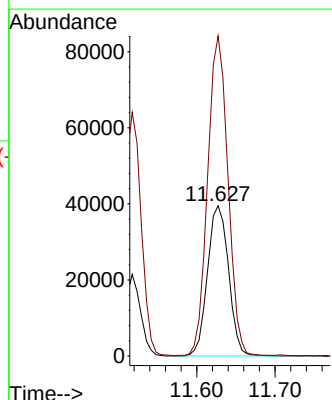
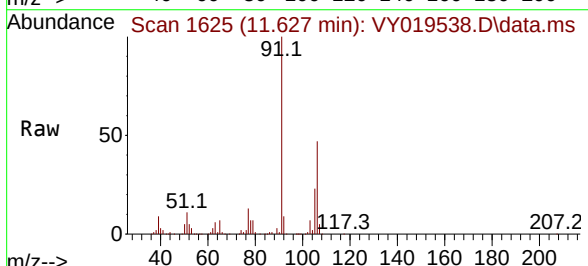
Acq: 13 Sep 2024 14:26

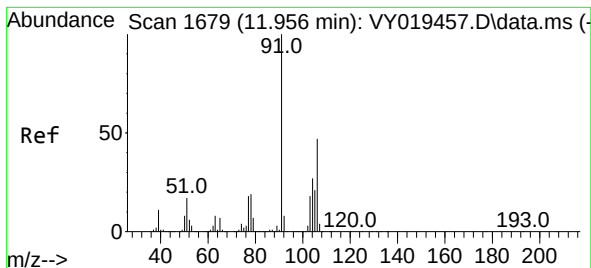
Tgt Ion: 106 Resp: 73676

Ion Ratio Lower Upper

106 100

91 205.6 156.0 234.0





#69

o-Xylene

Concen: 4.486 ug/l

RT: 11.956 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

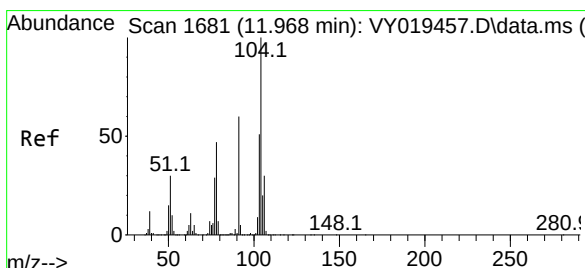
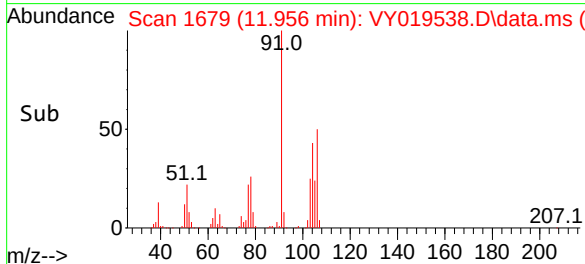
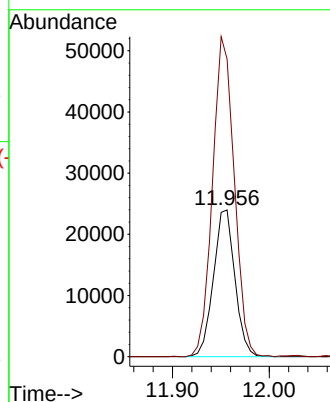
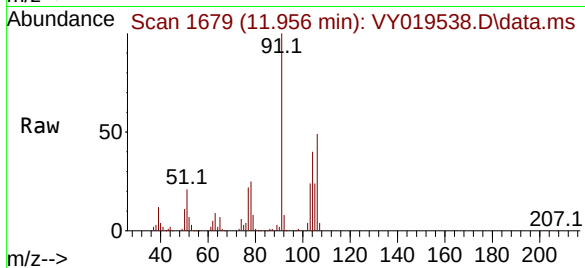
LOQ-SOIL-02-QT3-2024

Tgt Ion:106 Resp: 36953

Ion Ratio Lower Upper

106 100

91 221.3 103.6 310.8



#70

Styrene

Concen: 4.496 ug/l

RT: 11.969 min Scan# 1681

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

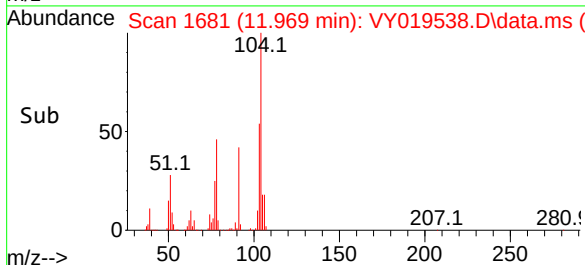
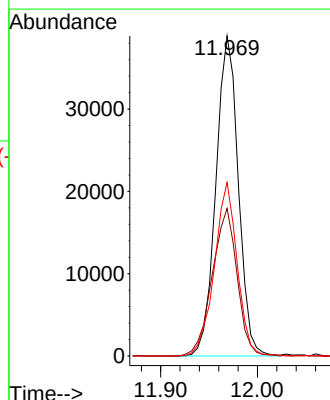
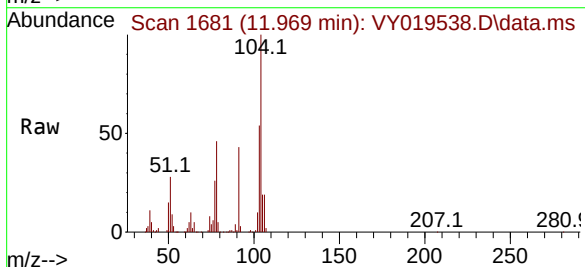
Tgt Ion:104 Resp: 62535

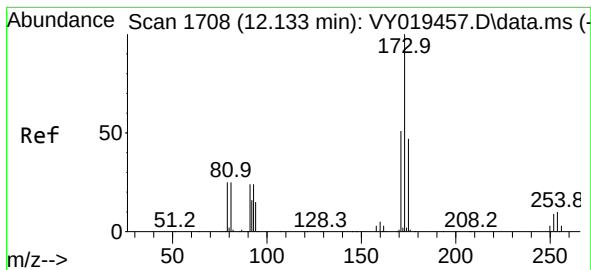
Ion Ratio Lower Upper

104 100

78 51.0 37.0 55.4

103 55.2 44.2 66.2





#71

Bromoform

Concen: 4.718 ug/l

RT: 12.127 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024

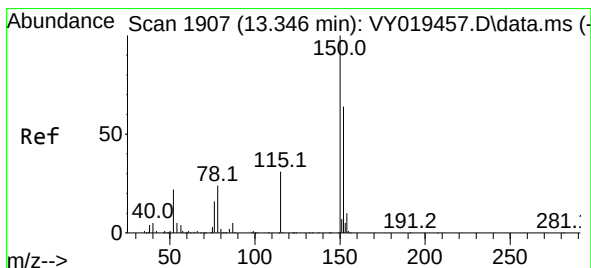
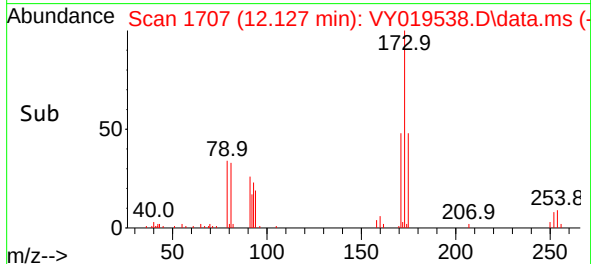
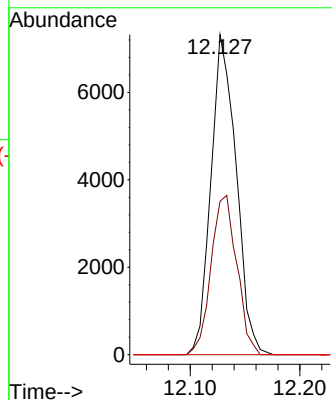
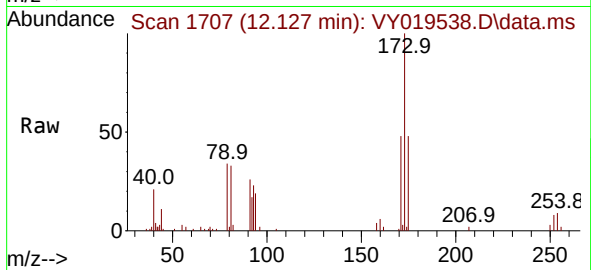
Tgt Ion:173 Resp: 11698

Ion Ratio Lower Upper

173 100

175 50.9 25.1 75.3

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

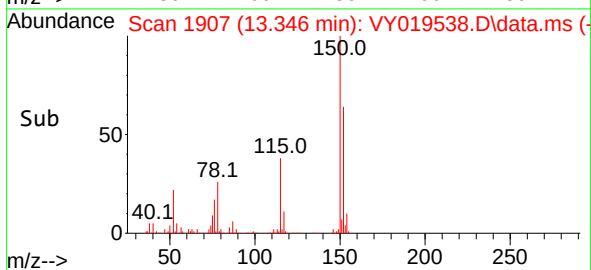
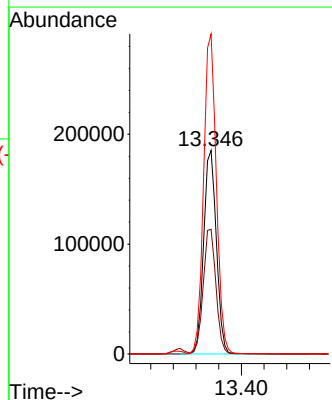
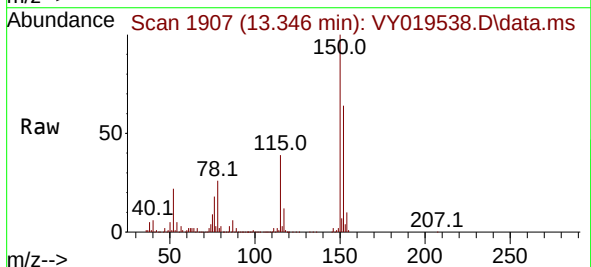
Tgt Ion:152 Resp: 288000

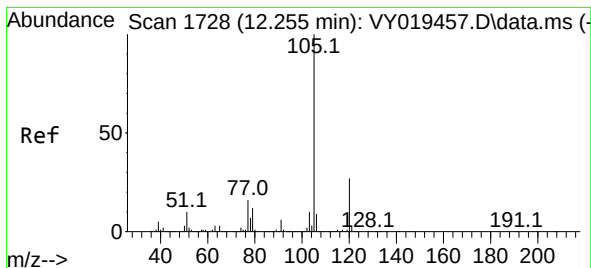
Ion Ratio Lower Upper

152 100

115 61.2 28.2 84.7

150 157.3 0.0 345.6





#73

Isopropylbenzene

Concen: 4.751 ug/l

RT: 12.255 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

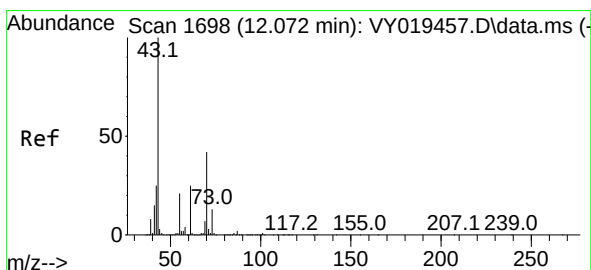
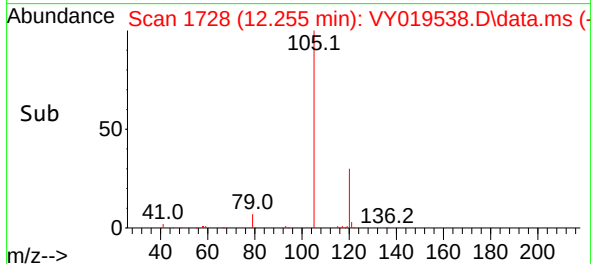
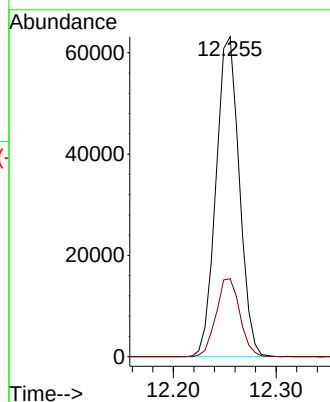
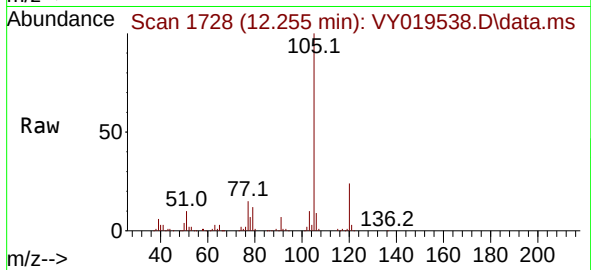
LOQ-SOIL-02-QT3-2024

Tgt Ion:105 Resp: 99255

Ion Ratio Lower Upper

105 100

120 24.9 13.4 40.1



#74

N-ethyl acetate

Concen: 4.539 ug/l

RT: 12.072 min Scan# 1698

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Tgt Ion: 43 Resp: 25791

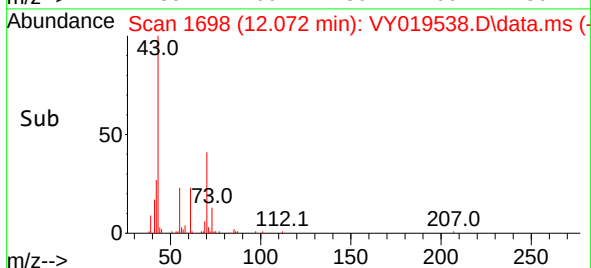
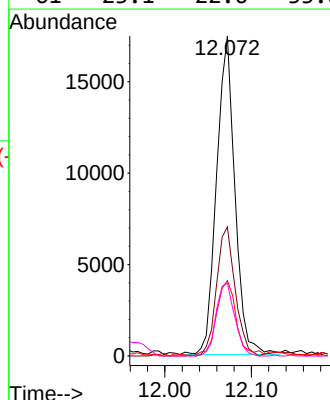
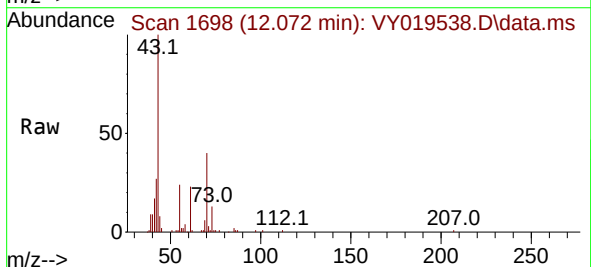
Ion Ratio Lower Upper

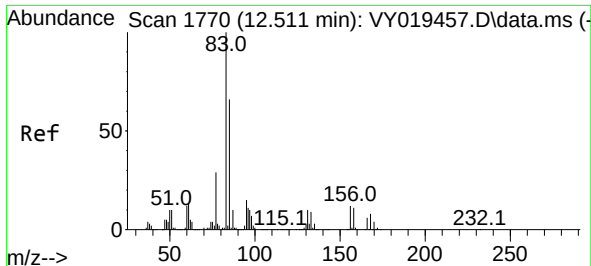
43 100

70 40.8 41.4 62.2#

55 25.2 23.3 34.9

61 23.1 22.6 33.8

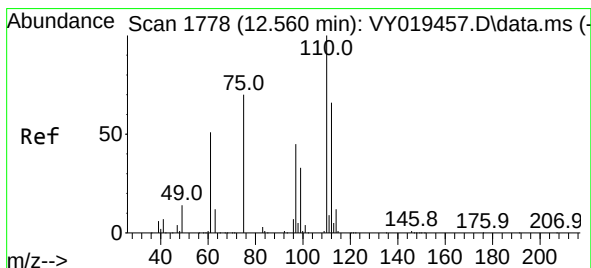
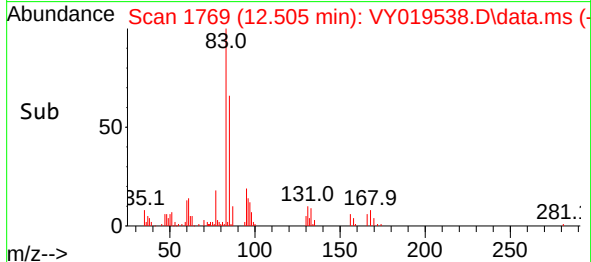
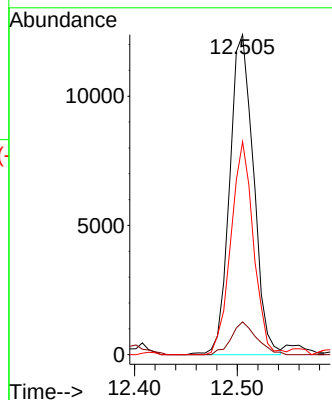
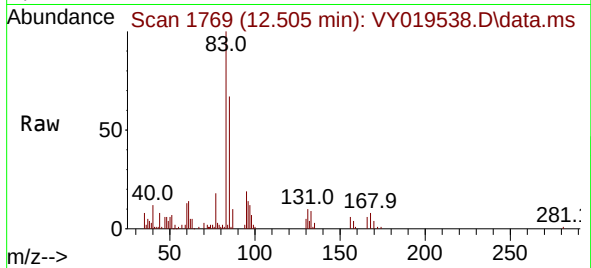




#75
1,1,2,2-Tetrachloroethane
Concen: 5.373 ug/l
RT: 12.505 min Scan# 1769
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

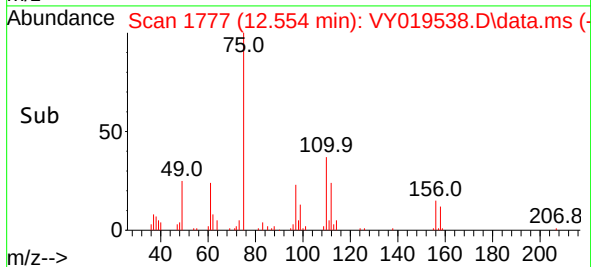
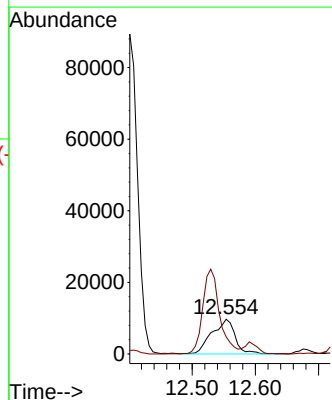
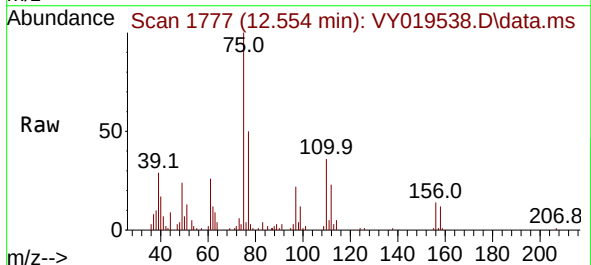
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2024

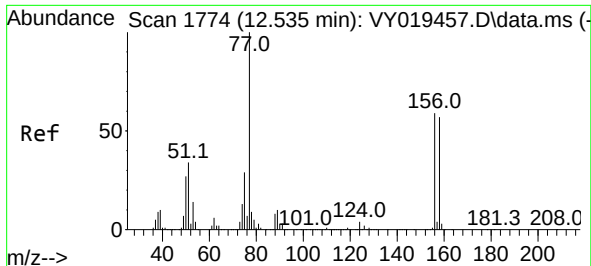
Tgt Ion: 83 Resp: 19925
Ion Ratio Lower Upper
83 100
131 10.9 5.0 14.9
85 63.4 32.0 96.0



#76
1,2,3-Trichloropropane
Concen: 9.126 ug/l
RT: 12.554 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 75 Resp: 24635
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

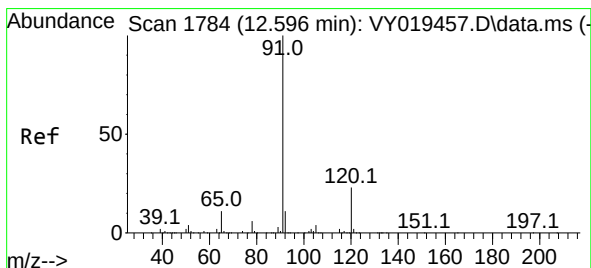
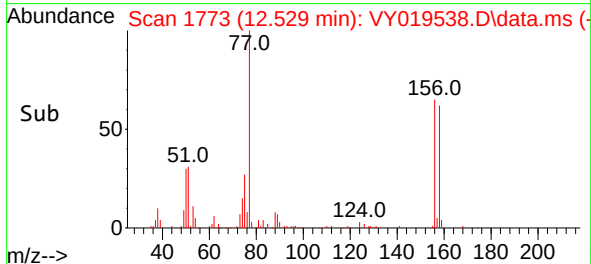
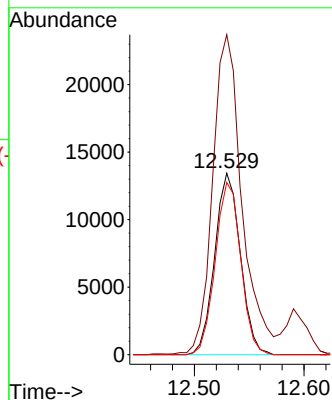
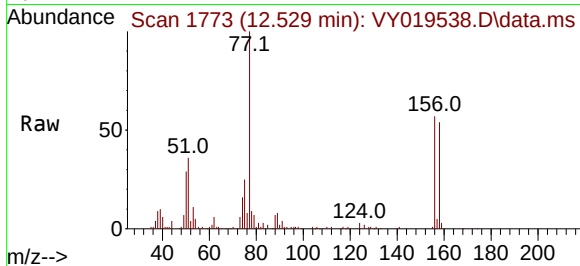




#77
Bromobenzene
Concen: 4.716 ug/l
RT: 12.529 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

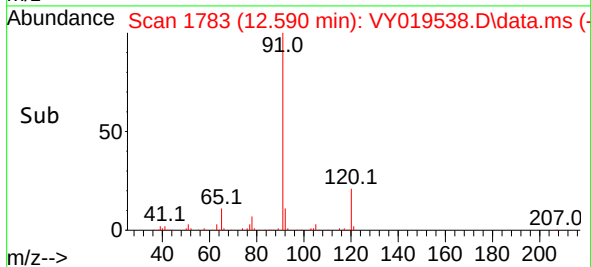
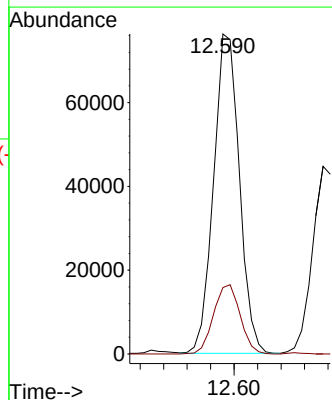
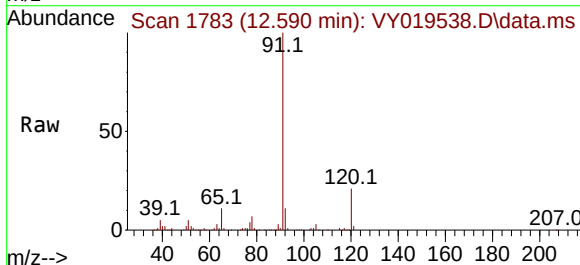
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

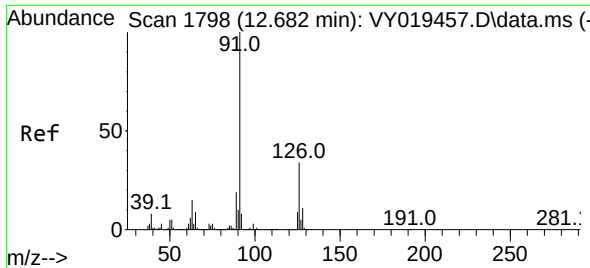
Tgt Ion:	156	Resp:	21853
Ion Ratio	Lower	Upper	
156	100		
77	201.5	87.1	261.3
158	94.1	48.6	145.9



#78
n-propylbenzene
Concen: 4.685 ug/l
RT: 12.590 min Scan# 1783
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion:	91	Resp:	116034
Ion Ratio	Lower	Upper	
91	100		
120	22.3	11.5	34.4

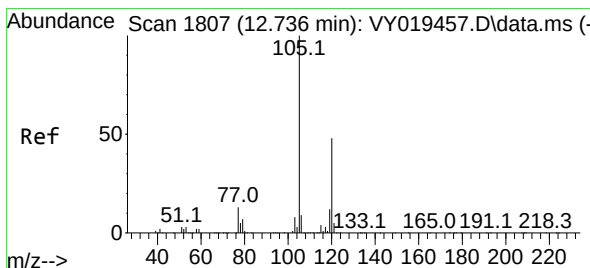
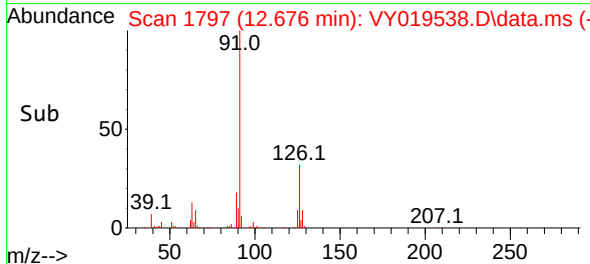
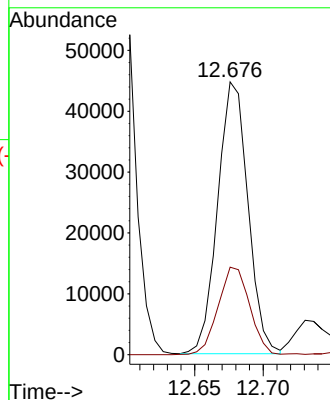
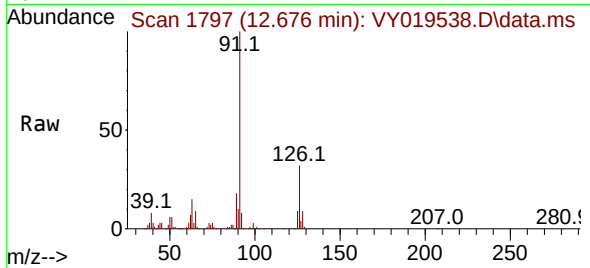




#79
2-Chlorotoluene
Concen: 4.773 ug/l
RT: 12.676 min Scan# 1798
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

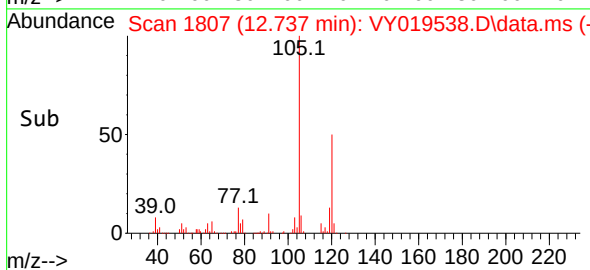
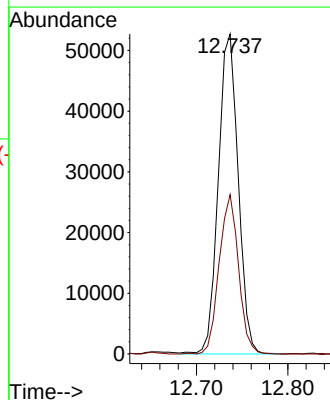
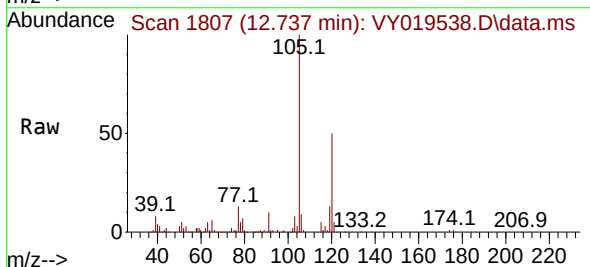
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

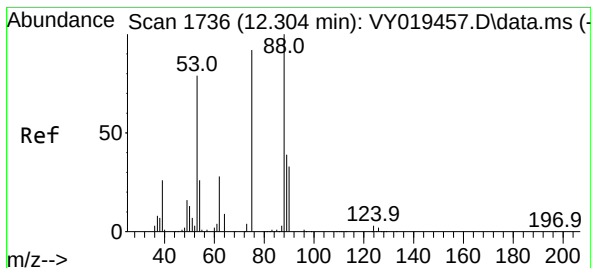
Tgt Ion: 91 Resp: 68885
Ion Ratio Lower Upper
91 100
126 33.4 17.8 53.5



#80
1,3,5-Trimethylbenzene
Concen: 4.694 ug/l
RT: 12.737 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 105 Resp: 79722
Ion Ratio Lower Upper
105 100
120 48.5 25.1 75.2

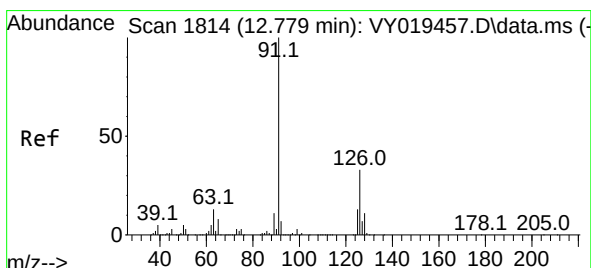
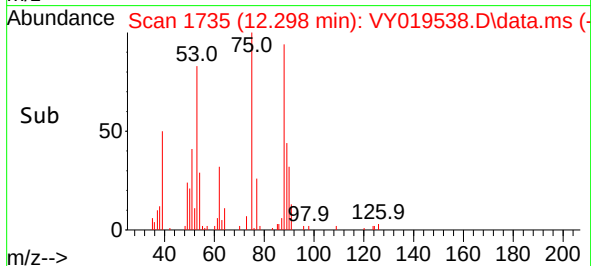
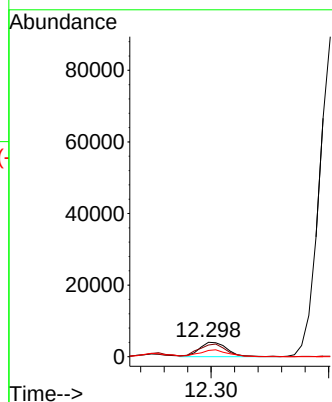
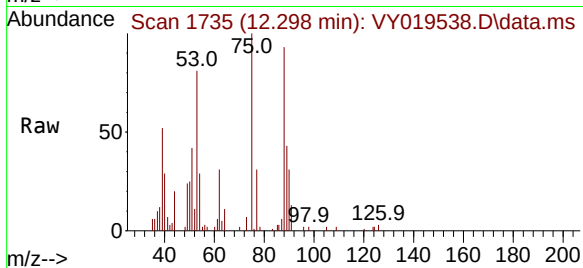




#81
trans-1,4-Dichloro-2-butene
Concen: 4.664 ug/l
RT: 12.298 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

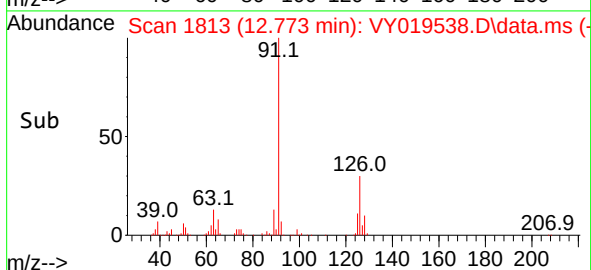
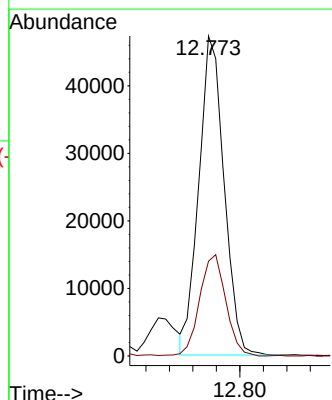
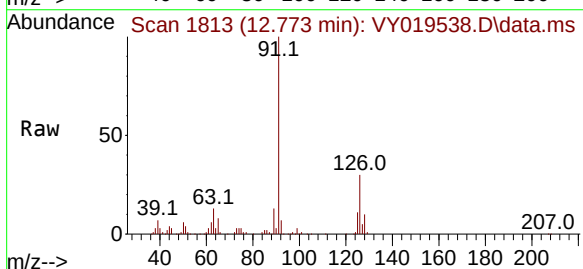
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

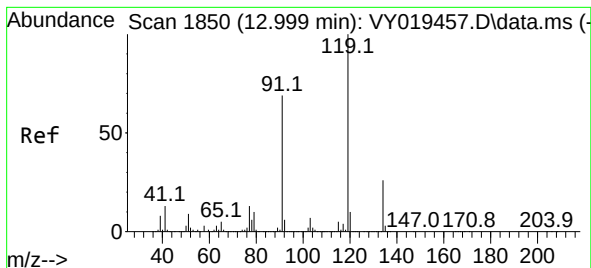
Tgt Ion: 75 Resp: 6558
Ion Ratio Lower Upper
75 100
53 88.3 66.8 100.2
89 47.7 35.8 53.6



#82
4-Chlorotoluene
Concen: 4.748 ug/l
RT: 12.773 min Scan# 1813
Delta R.T. -0.006 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion: 91 Resp: 70442
Ion Ratio Lower Upper
91 100
126 32.9 17.6 52.9





#83

tert-Butylbenzene

Concen: 4.933 ug/l

RT: 12.999 min Scan# 1850

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024

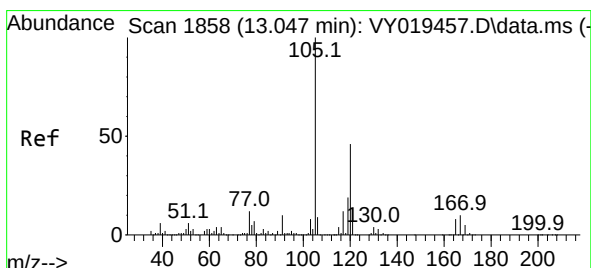
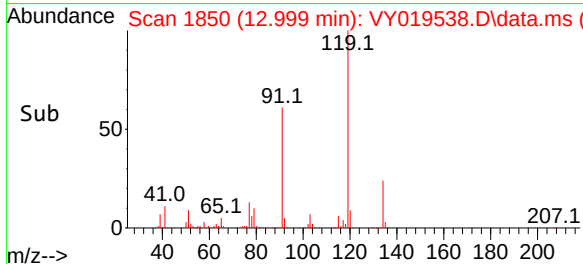
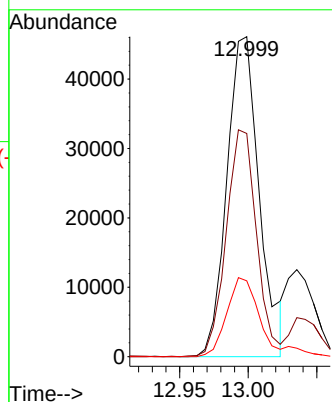
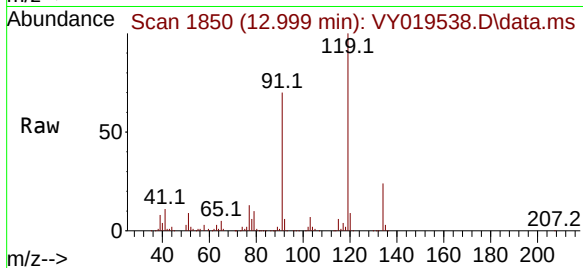
Tgt Ion:119 Resp: 75861

Ion Ratio Lower Upper

119 100

91 66.5 31.3 93.8

134 26.0 13.4 40.1



#84

1,2,4-Trimethylbenzene

Concen: 4.723 ug/l

RT: 13.042 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY019538.D

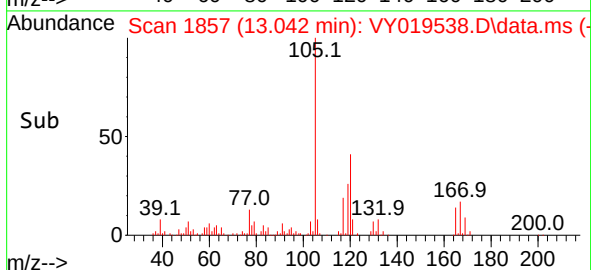
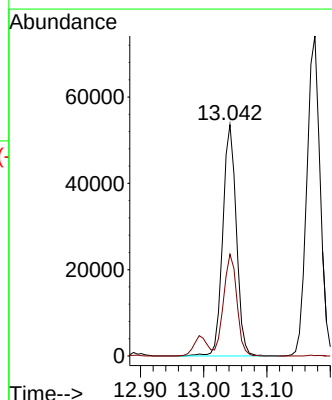
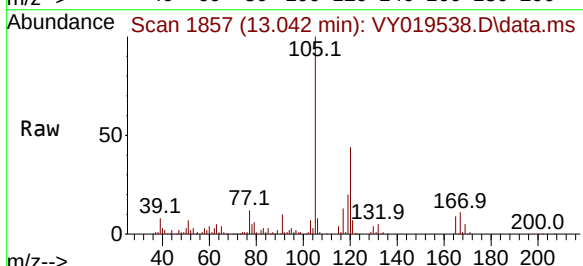
Acq: 13 Sep 2024 14:26

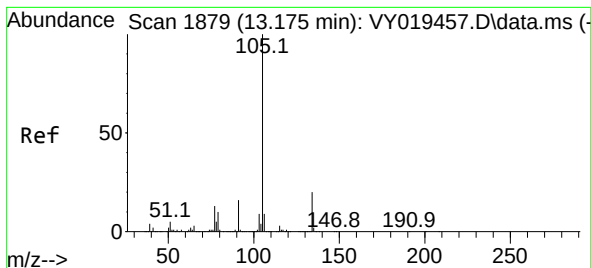
Tgt Ion:105 Resp: 79415

Ion Ratio Lower Upper

105 100

120 42.9 23.2 69.6





#85

sec-Butylbenzene

Concen: 4.833 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

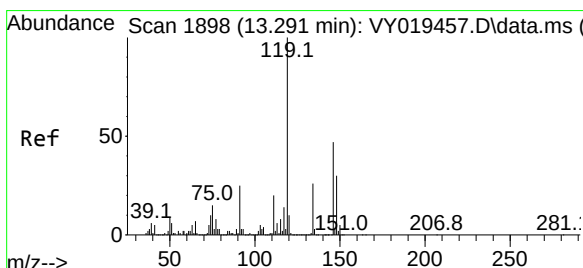
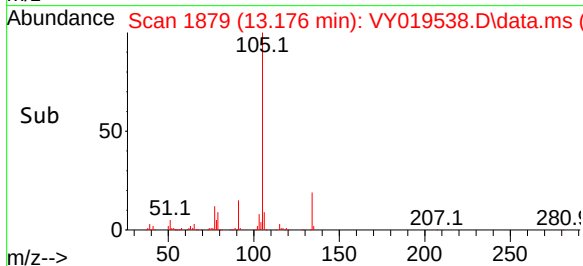
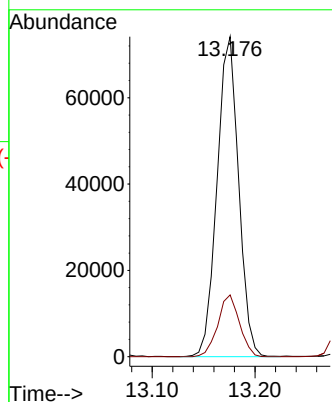
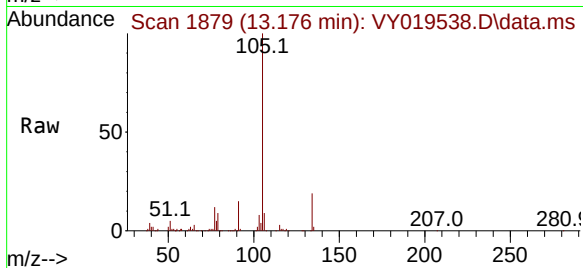
LOQ-SOIL-02-QT3-2024

Tgt Ion:105 Resp: 107956

Ion Ratio Lower Upper

105 100

134 19.3 10.1 30.1



#86

p-Isopropyltoluene

Concen: 4.619 ug/l

RT: 13.292 min Scan# 1898

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

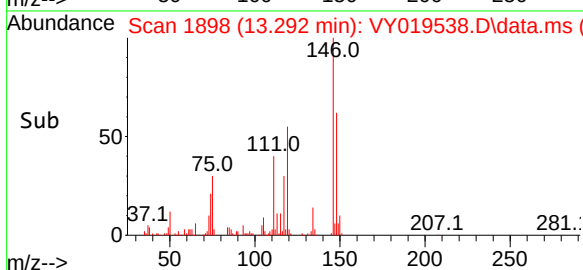
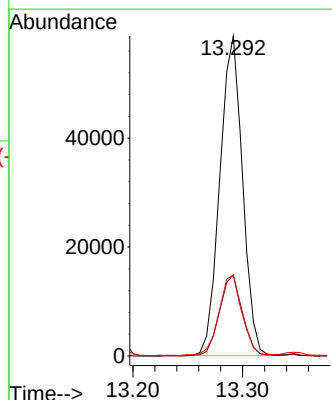
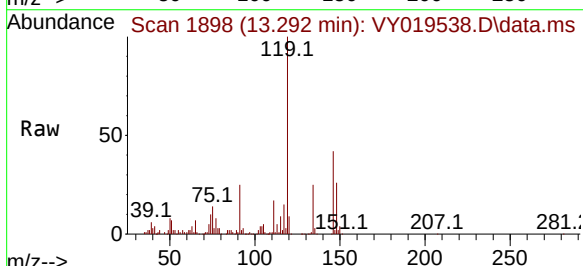
Tgt Ion:119 Resp: 84428

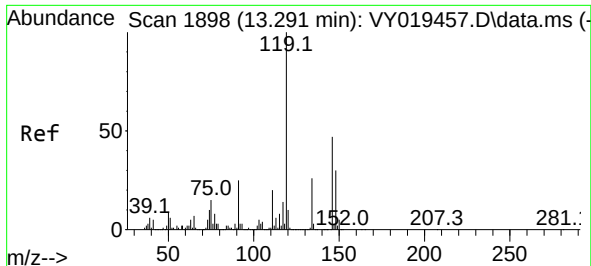
Ion Ratio Lower Upper

119 100

134 25.6 13.1 39.3

91 25.4 10.7 32.1

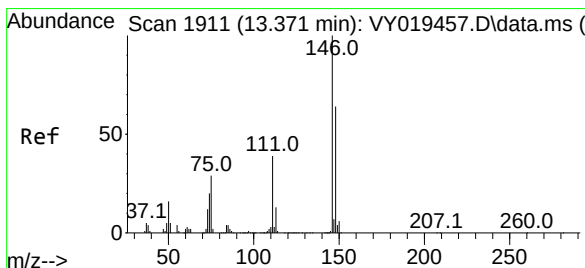
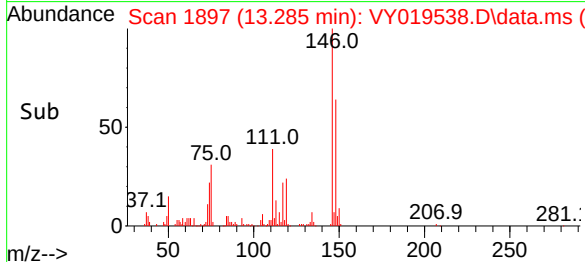
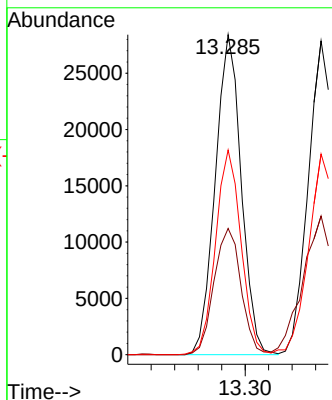
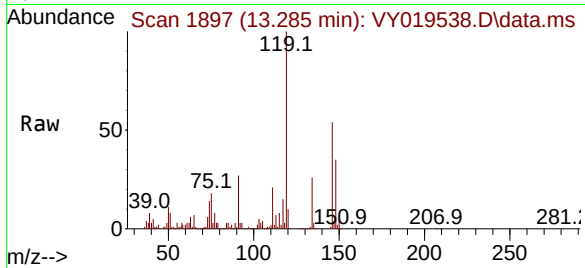




#87
 1,3-Dichlorobenzene
 Concen: 4.853 ug/l
 RT: 13.285 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VY019538.D
 Acq: 13 Sep 2024 14:26

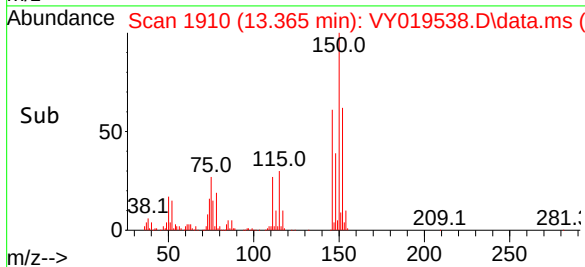
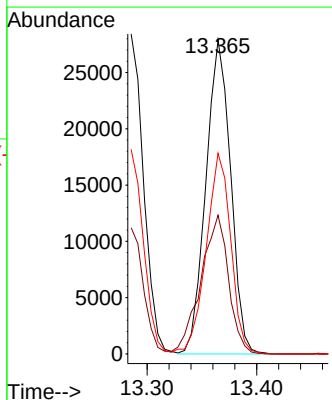
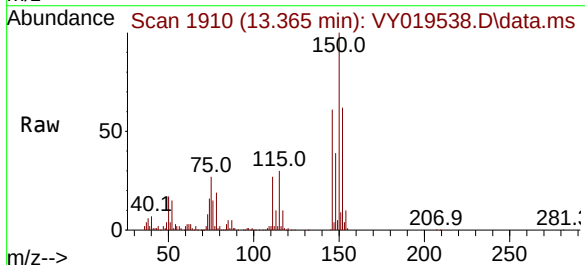
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2024

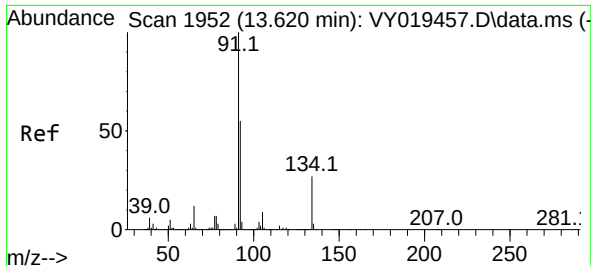
Tgt Ion:146 Resp: 43698
 Ion Ratio Lower Upper
 146 100
 111 41.0 19.0 57.0
 148 62.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 4.899 ug/l
 RT: 13.365 min Scan# 1910
 Delta R.T. -0.006 min
 Lab File: VY019538.D
 Acq: 13 Sep 2024 14:26

Tgt Ion:146 Resp: 43779
 Ion Ratio Lower Upper
 146 100
 111 49.7 18.4 55.4
 148 63.6 32.4 97.2





#89

n-Butylbenzene

Concen: 4.597 ug/l

RT: 13.615 min Scan# 1951

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024

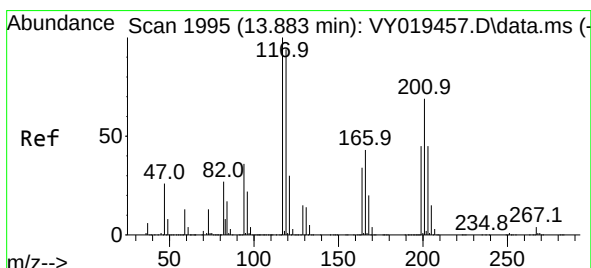
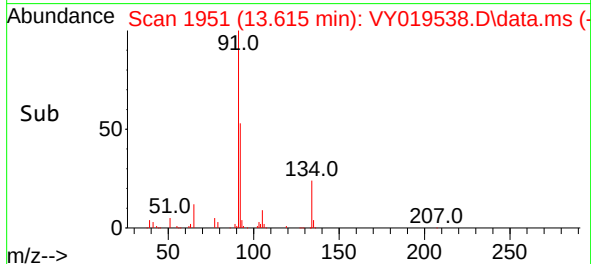
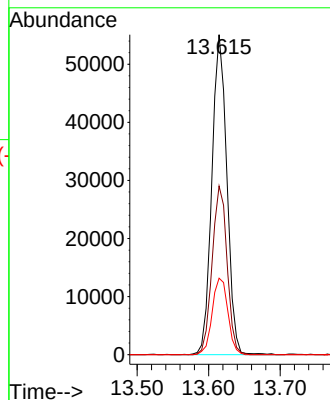
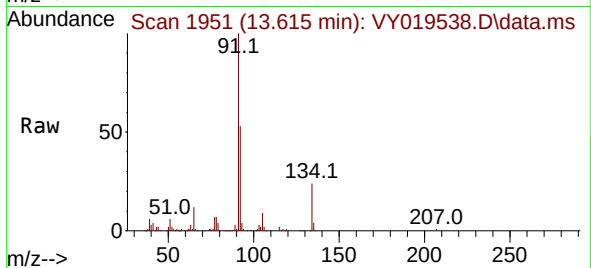
Tgt Ion: 91 Resp: 80317

Ion Ratio Lower Upper

91 100

92 52.4 26.6 79.7

134 24.9 12.9 38.7



#90

Hexachloroethane

Concen: 4.842 ug/l

RT: 13.877 min Scan# 1994

Delta R.T. -0.006 min

Lab File: VY019538.D

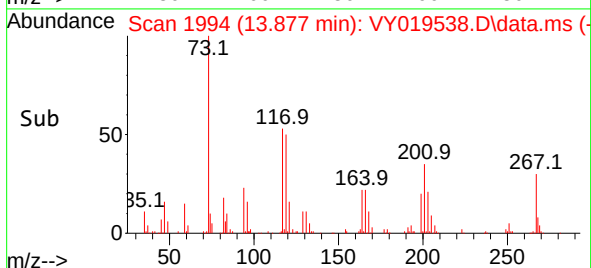
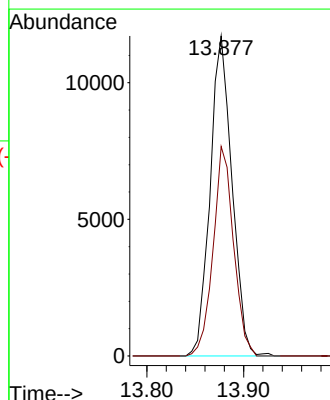
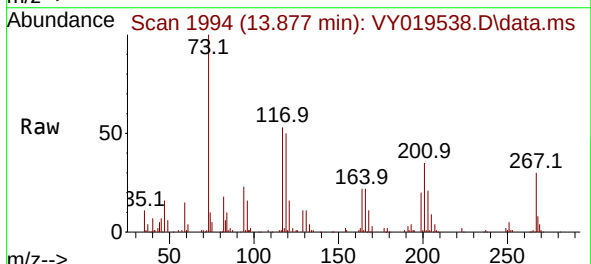
Acq: 13 Sep 2024 14:26

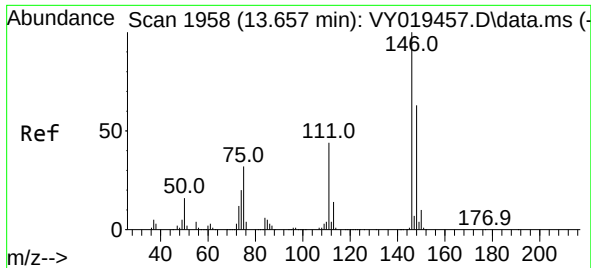
Tgt Ion: 117 Resp: 18415

Ion Ratio Lower Upper

117 100

201 61.2 37.4 112.2

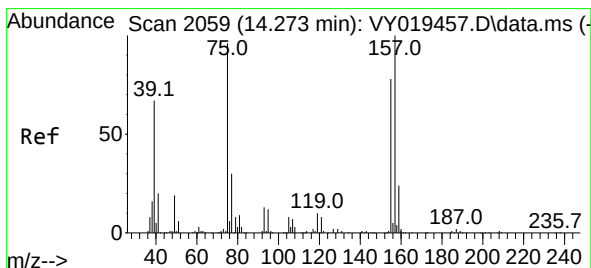
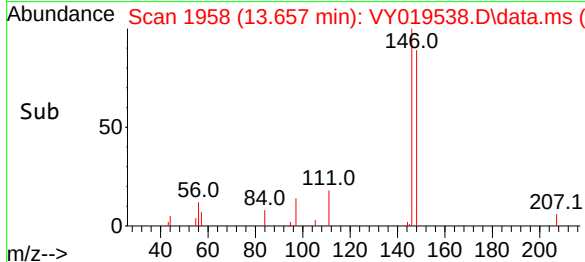
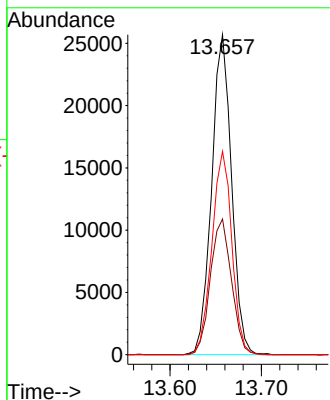
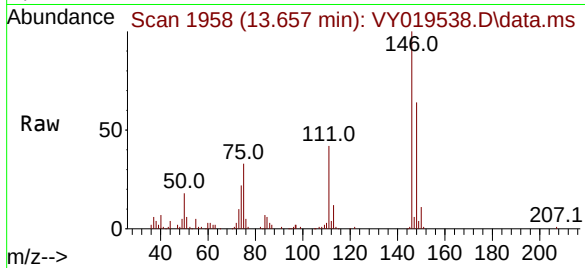




#91
1,2-Dichlorobenzene
Concen: 4.835 ug/l
RT: 13.657 min Scan# 1958
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

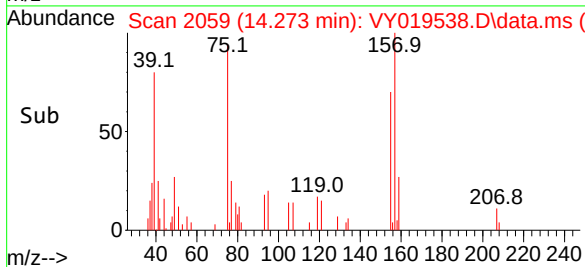
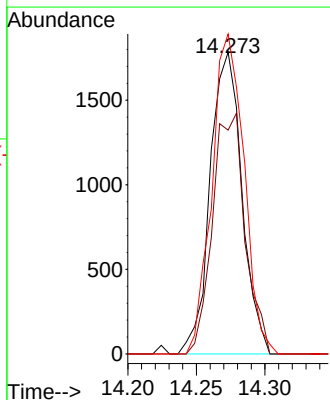
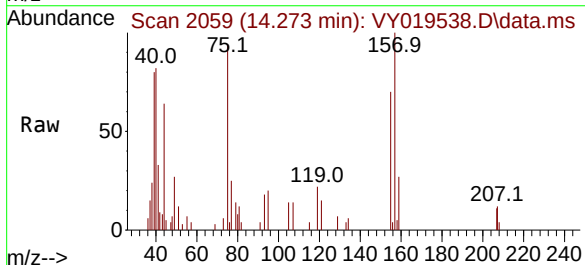
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2024

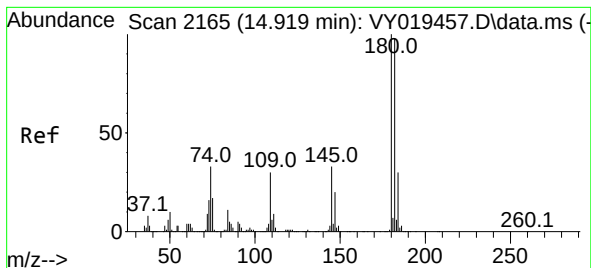
Tgt Ion:	146	Resp:	38846
Ion	Ratio	Lower	Upper
146	100		
111	45.0	19.9	59.7
148	63.6	31.8	95.4



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.653 ug/l
RT: 14.273 min Scan# 2059
Delta R.T. 0.000 min
Lab File: VY019538.D
Acq: 13 Sep 2024 14:26

Tgt Ion:	75	Resp:	2876
Ion	Ratio	Lower	Upper
75	100		
155	81.5	48.6	145.8
157	107.3	62.7	188.2





#93

1,2,4-Trichlorobenzene

Concen: 4.164 ug/l

RT: 14.913 min Scan# 2164

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024

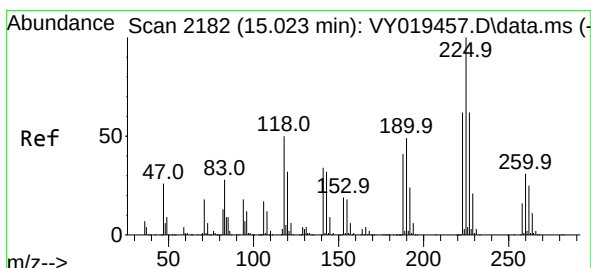
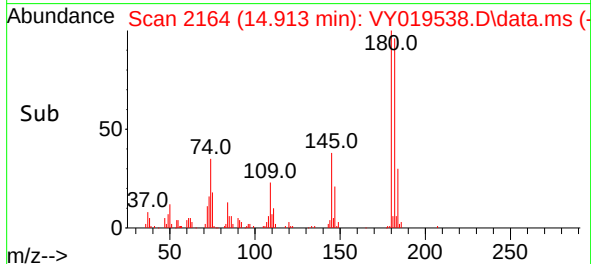
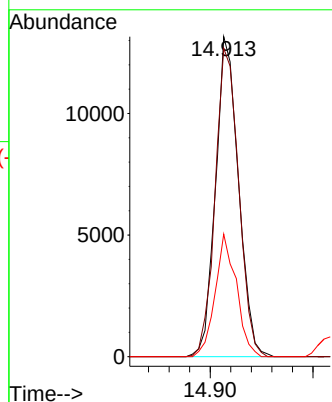
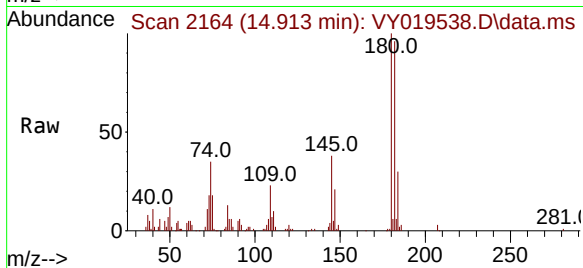
Tgt Ion:180 Resp: 20350

Ion Ratio Lower Upper

180 100

182 98.8 47.9 143.8

145 35.4 14.2 42.6



#94

Hexachlorobutadiene

Concen: 4.128 ug/l

RT: 15.023 min Scan# 2182

Delta R.T. 0.000 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

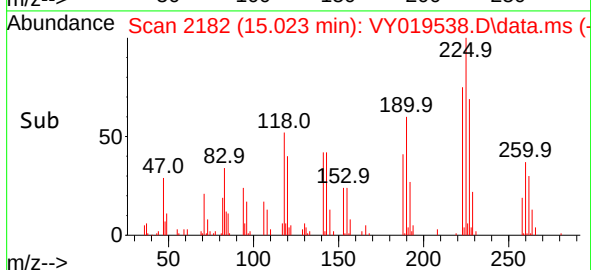
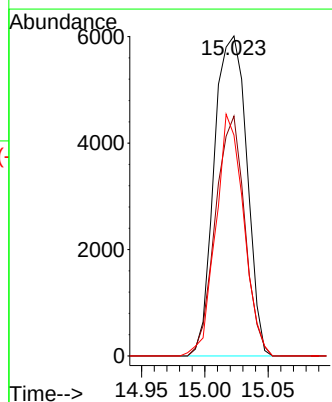
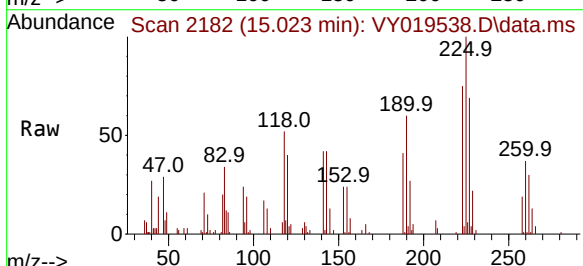
Tgt Ion:225 Resp: 10776

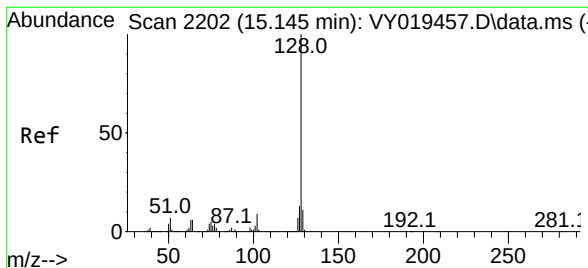
Ion Ratio Lower Upper

225 100

223 67.5 30.4 91.2

227 64.8 31.9 95.9





#95

Naphthalene

Concen: 4.096 ug/l

RT: 15.139 min Scan# 2201

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2024

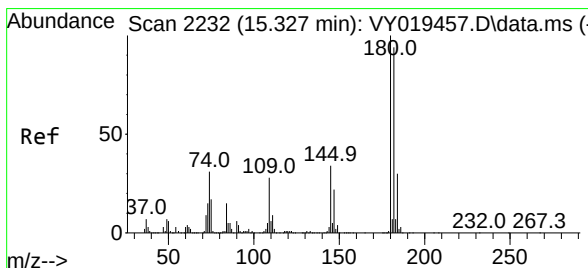
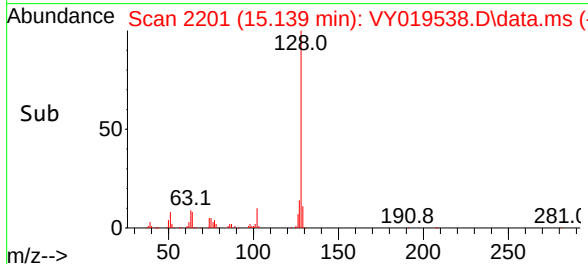
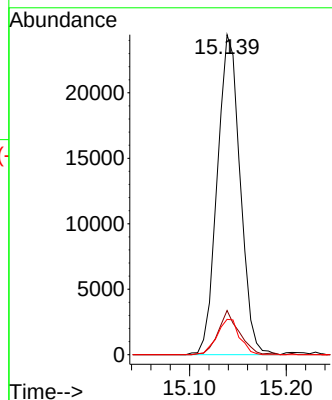
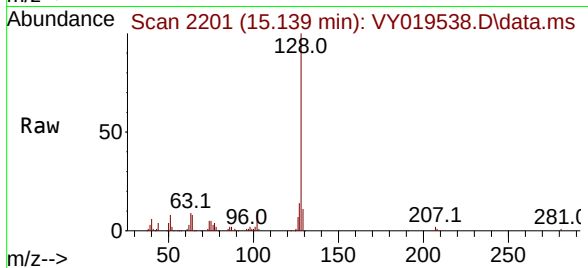
Tgt Ion:128 Resp: 40089

Ion Ratio Lower Upper

128 100

127 12.7 10.6 16.0

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 4.185 ug/l

RT: 15.322 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY019538.D

Acq: 13 Sep 2024 14:26

Tgt Ion:180 Resp: 17492

Ion Ratio Lower Upper

180 100

182 92.5 47.6 142.9

145 36.2 15.4 46.1

