

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012865.D
 Acq On : 08 Mar 2023 12:54
 Operator : KP/MD
 Sample : 01627-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 09 00:34:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	97689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	152608	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	137074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	45091	46.489	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.980%
35) Dibromofluoromethane	7.716	113	44361	48.167	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.340%
50) Toluene-d8	10.179	98	151085	44.873	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.740%
62) 4-Bromofluorobenzene	12.483	95	50691	44.606	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.220%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	4310	4.476	ug/l	98
3) Chloromethane	2.113	50	4826	4.192	ug/l #	87
4) Vinyl Chloride	2.253	62	4514	4.276	ug/l	95
5) Bromomethane	2.656	94	3197	4.984	ug/l	89
6) Chloroethane	2.796	64	2790	4.413	ug/l	96
7) Trichlorofluoromethane	3.125	101	8225	4.692	ug/l	98
8) Diethyl Ether	3.534	74	2634	4.287	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.893	101	4496	4.263	ug/l	98
10) Methyl Iodide	4.088	142	5178	3.768	ug/l #	92
11) Tert butyl alcohol	4.930	59	4624	23.165	ug/l #	74
12) 1,1-Dichloroethene	3.869	96	4388	4.362	ug/l	83
13) Acrolein	3.729	56	3158	18.584	ug/l	97
14) Allyl chloride	4.479	41	6373	3.430	ug/l	91
15) Acrylonitrile	5.167	53	6082	18.788	ug/l	95
16) Acetone	3.942	43	7613	19.997	ug/l	92
17) Carbon Disulfide	4.198	76	13449	3.928	ug/l #	89
18) Methyl Acetate	4.479	43	4216	3.719	ug/l #	90
19) Methyl tert-butyl Ether	5.222	73	9893	3.807	ug/l	97
20) Methylene Chloride	4.716	84	10484	4.091	ug/l	98
21) trans-1,2-Dichloroethene	5.228	96	4861	4.447	ug/l #	83
22) Diisopropyl ether	6.125	45	12000	3.555	ug/l #	88
23) Vinyl Acetate	6.064	43	37344	17.808	ug/l	96
24) 1,1-Dichloroethane	6.021	63	8523	4.432	ug/l	95
25) 2-Butanone	6.990	43	9390	19.914	ug/l	99
26) 2,2-Dichloropropane	6.984	77	8501	4.977	ug/l	95
27) cis-1,2-Dichloroethene	6.984	96	5060	4.317	ug/l	92
28) Bromochloromethane	7.332	49	2356	3.352	ug/l #	99
29) Tetrahydrofuran	7.344	42	5095	17.915	ug/l	96
30) Chloroform	7.508	83	8852	4.660	ug/l	99
31) Cyclohexane	7.783	56	8318	4.478	ug/l #	68
32) 1,1,1-Trichloroethane	7.704	97	7582	4.413	ug/l	97
36) 1,1-Dichloropropene	7.917	75	6219	4.029	ug/l	97
37) Ethyl Acetate	7.070	43	3027	3.112	ug/l #	89
38) Carbon Tetrachloride	7.899	117	7217	4.528	ug/l	97
39) Methylcyclohexane	9.185	83	7156	3.900	ug/l	93
40) Benzene	8.161	78	18735	4.291	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.356	41	5065	9.664	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	5961	4.542	ug/l	99
43) Isopropyl Acetate	8.271	43	6655	3.835	ug/l	97
44) Trichloroethene	8.941	130	5052	4.389	ug/l	86
45) 1,2-Dichloropropane	9.209	63	4571	4.143	ug/l	98
46) Dibromomethane	9.307	93	2722	4.330	ug/l	95
47) Bromodichloromethane	9.496	83	6511	4.396	ug/l #	98
48) Methyl methacrylate	9.295	41	2997	3.748	ug/l	99
49) 1,4-Dioxane	9.301	88	578	71.130	ug/l	93
51) 4-Methyl-2-Pentanone	10.069	43	16753	17.796	ug/l	100
52) Toluene	10.246	92	11463	4.354	ug/l	98
53) t-1,3-Dichloropropene	10.465	75	6412	4.127	ug/l	93
54) cis-1,3-Dichloropropene	9.929	75	7066	4.018	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	3930	4.489	ug/l #	84
56) Ethyl methacrylate	10.508	69	4180	3.581	ug/l	96
57) 1,3-Dichloropropane	10.788	76	6332	4.247	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.782	63	10524	17.175	ug/l	93
59) 2-Hexanone	10.831	43	11931	17.438	ug/l	96
60) Dibromochloromethane	10.983	129	4617	4.333	ug/l	95
61) 1,2-Dibromoethane	11.087	107	3487	4.135	ug/l	97
64) Tetrachloroethene	10.721	164	4679	4.688	ug/l	97
65) Chlorobenzene	11.514	112	12318	4.282	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	4658	4.376	ug/l	98
67) Ethyl Benzene	11.593	91	19923	3.939	ug/l	97
68) m/p-Xylenes	11.697	106	14877	7.646	ug/l	96
69) o-Xylene	12.032	106	6892	3.795	ug/l	98
70) Styrene	12.044	104	11067	3.652	ug/l	96
71) Bromoform	12.209	173	3099	4.465	ug/l #	96
73) Isopropylbenzene	12.331	105	18211	3.855	ug/l	100
74) N-amyl acetate	12.142	43	5099	3.431	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.581	83	4594	4.326	ug/l	95
76) 1,2,3-Trichloropropane	12.630	75	5631	7.075	ug/l #	100
77) Bromobenzene	12.605	156	5066	4.415	ug/l	96
78) n-propylbenzene	12.672	91	24395	4.189	ug/l	100
79) 2-Chlorotoluene	12.758	91	13363	4.128	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	15364	3.941	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.380	75	1449	3.772	ug/l	99
82) 4-Chlorotoluene	12.855	91	13805	4.120	ug/l	99
83) tert-Butylbenzene	13.075	119	12857	3.821	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	14215	3.729	ug/l	100
85) sec-Butylbenzene	13.251	105	20218	3.939	ug/l	99
86) p-Isopropyltoluene	13.367	119	15729	3.749	ug/l	98
87) 1,3-Dichlorobenzene	13.367	146	9865	4.457	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	10243	4.535	ug/l	94
89) n-Butylbenzene	13.696	91	14724	3.666	ug/l	98
90) Hexachloroethane	13.959	117	3841	4.396	ug/l	96
91) 1,2-Dichlorobenzene	13.739	146	8517	4.257	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.355	75	765	4.458	ug/l	91
93) 1,2,4-Trichlorobenzene	15.007	180	4875	3.957	ug/l	97
94) Hexachlorobutadiene	15.117	225	3375	4.492	ug/l	97
95) Naphthalene	15.239	128	8262	3.347	ug/l	97
96) 1,2,3-Trichlorobenzene	15.422	180	4032	3.680	ug/l	96

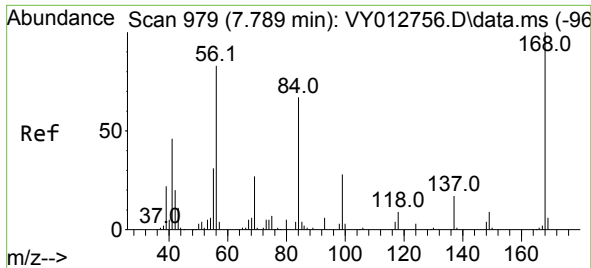
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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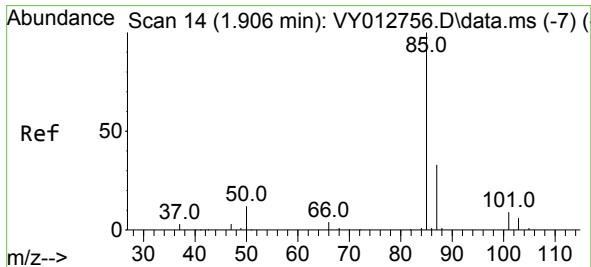
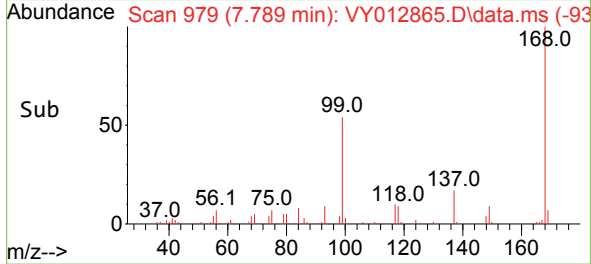
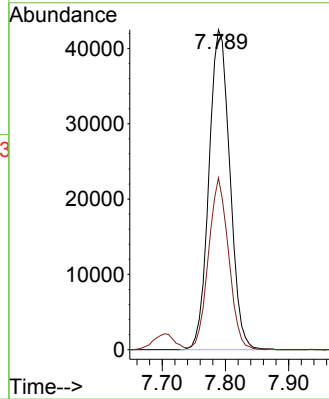
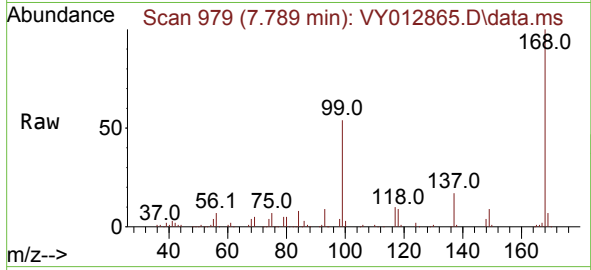
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

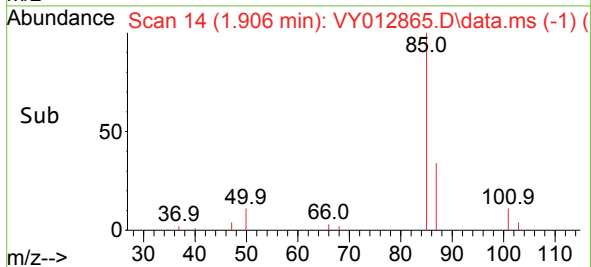
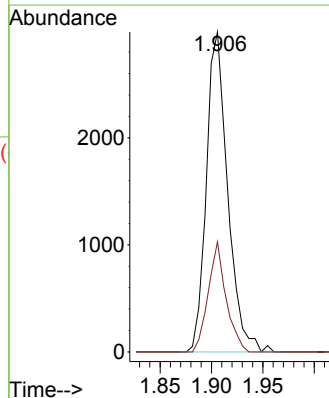
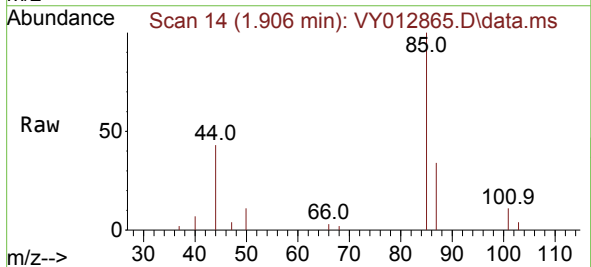
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MDL-SOIL-03-QT1-2022

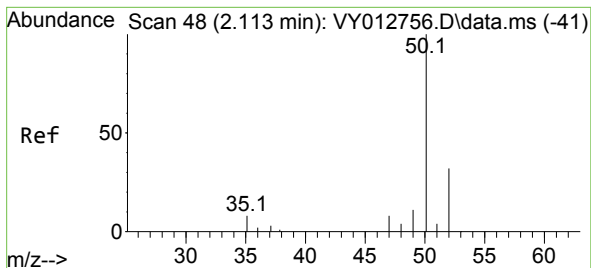
Tgt Ion:168 Resp: 97689
Ion Ratio Lower Upper
168 100
99 53.7 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 4.476 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 85 Resp: 4310
Ion Ratio Lower Upper
85 100
87 34.5 16.7 50.0





#3

Chloromethane

Concen: 4.192 ug/l

RT: 2.113 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

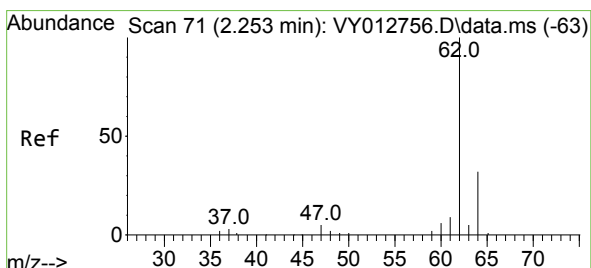
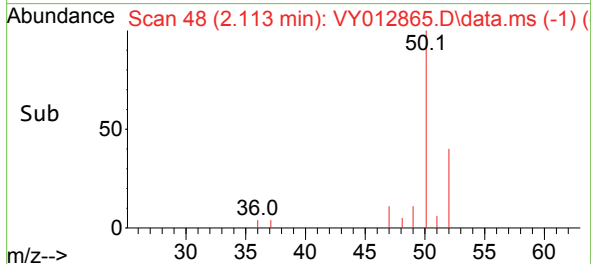
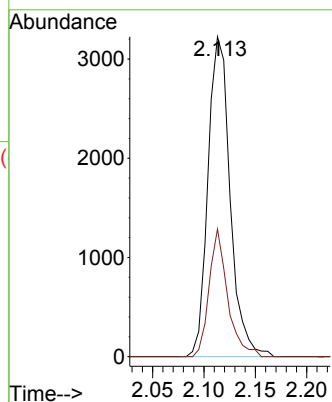
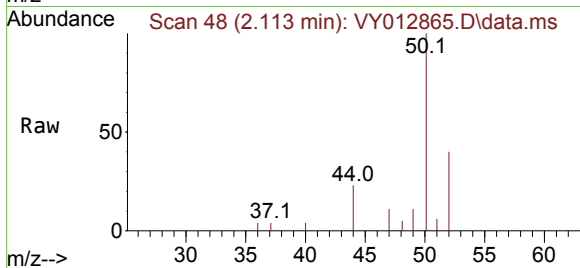
MDL-SOIL-03-QT1-2022

Tgt Ion: 50 Resp: 4826

Ion Ratio Lower Upper

50 100

52 39.9 26.0 39.0#



#4

Vinyl Chloride

Concen: 4.276 ug/l

RT: 2.253 min Scan# 71

Delta R.T. 0.000 min

Lab File: VY012865.D

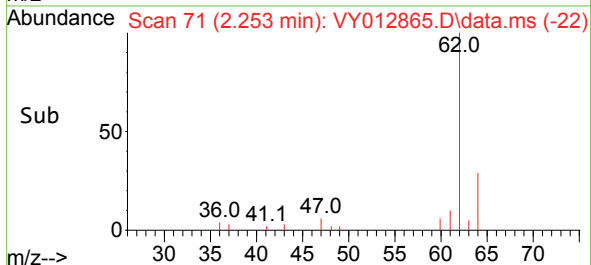
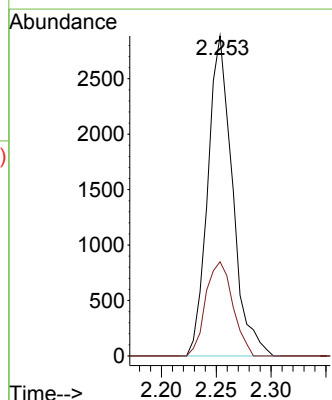
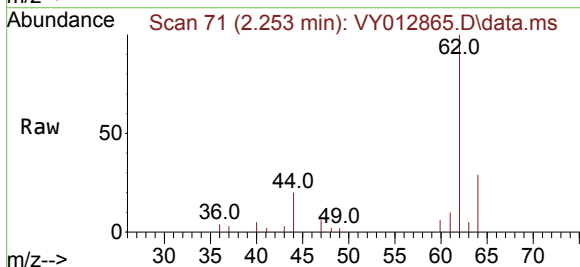
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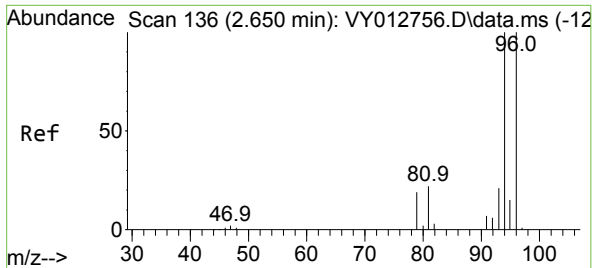
Tgt Ion: 62 Resp: 4514

Ion Ratio Lower Upper

62 100

64 29.5 25.6 38.4





#5

Bromomethane

Concen: 4.984 ug/l

RT: 2.656 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

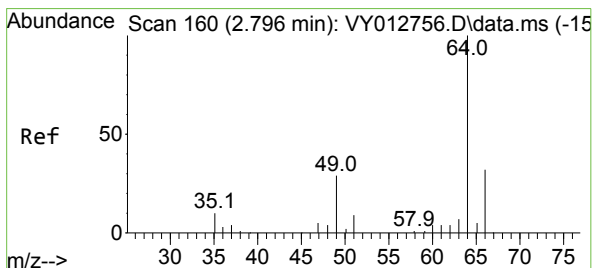
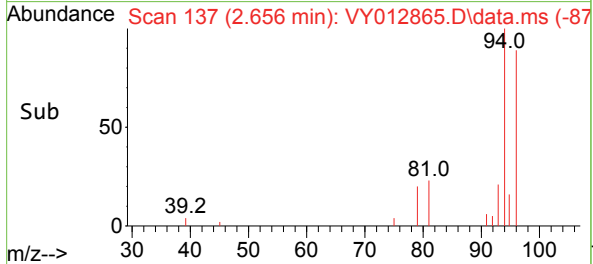
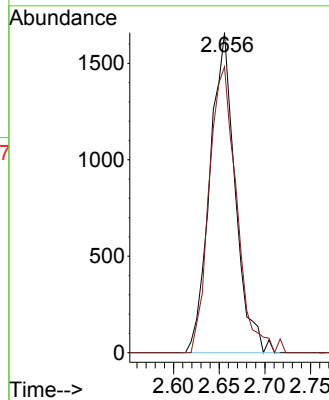
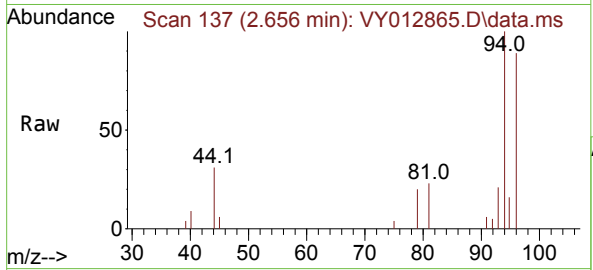
MDL-SOIL-03-QT1-2022

Tgt Ion: 94 Resp: 3197

Ion Ratio Lower Upper

94 100

96 89.3 80.3 120.5



#6

Chloroethane

Concen: 4.413 ug/l

RT: 2.796 min Scan# 160

Delta R.T. -0.000 min

Lab File: VY012865.D

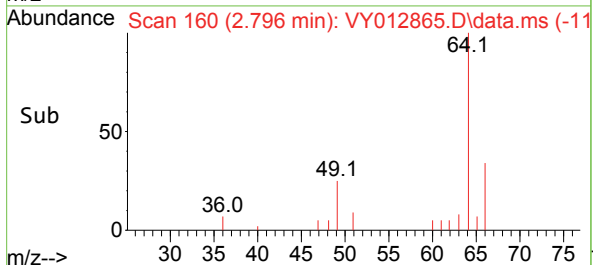
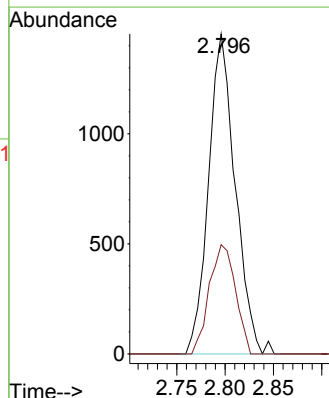
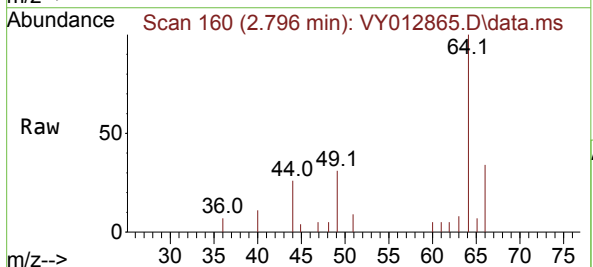
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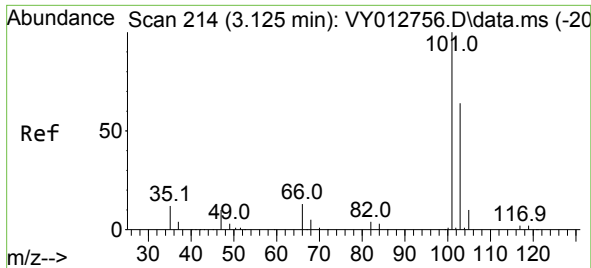
Tgt Ion: 64 Resp: 2790

Ion Ratio Lower Upper

64 100

66 34.1 25.7 38.5

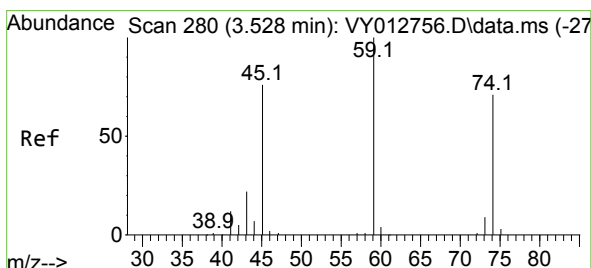
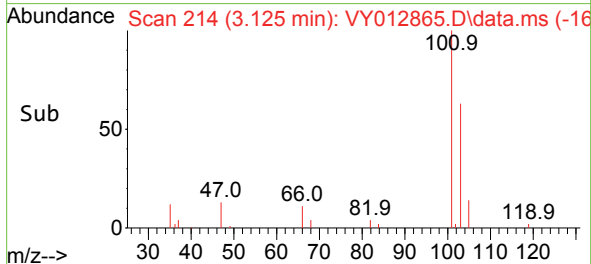
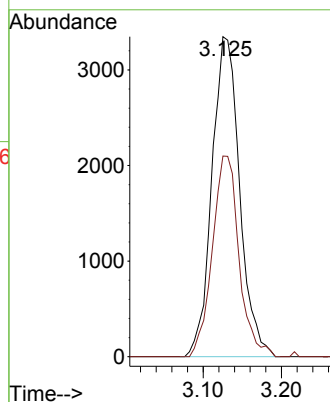
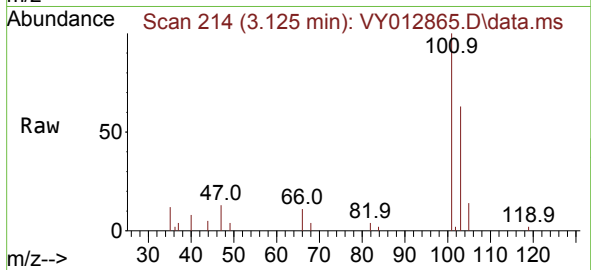




#7
 Trichlorofluoromethane
 Concen: 4.692 ug/l
 RT: 3.125 min Scan# 214
 Delta R.T. 0.000 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

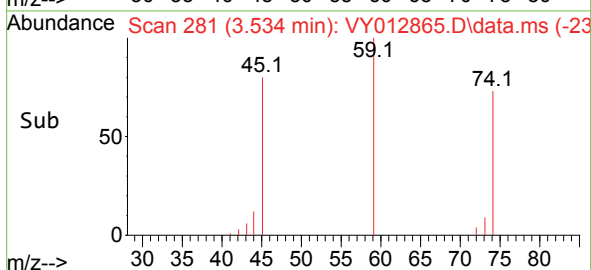
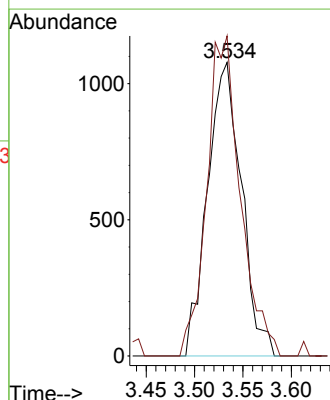
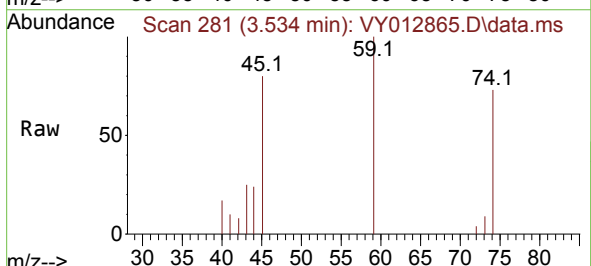
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

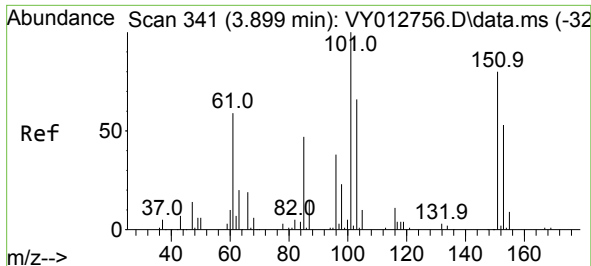
Tgt Ion:101 Resp: 8225
 Ion Ratio Lower Upper
 101 100
 103 62.7 51.5 77.3



#8
 Diethyl Ether
 Concen: 4.287 ug/l
 RT: 3.534 min Scan# 281
 Delta R.T. 0.006 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

Tgt Ion: 74 Resp: 2634
 Ion Ratio Lower Upper
 74 100
 45 107.6 52.1 156.4

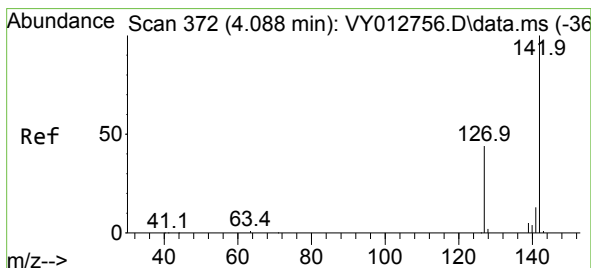
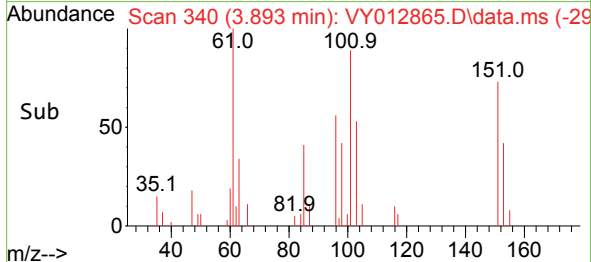
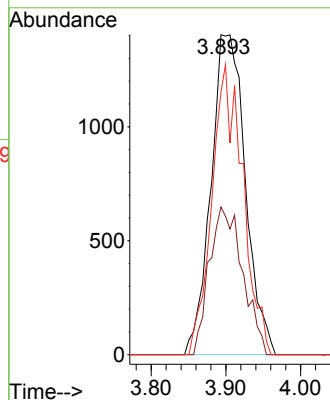
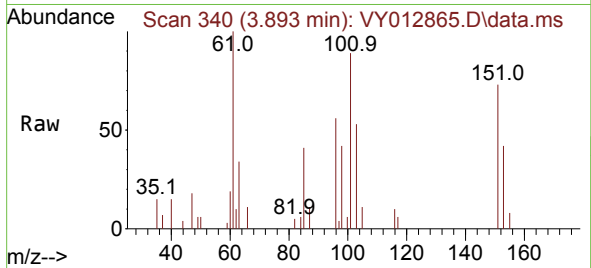




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.263 ug/l
RT: 3.893 min Scan# 341
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

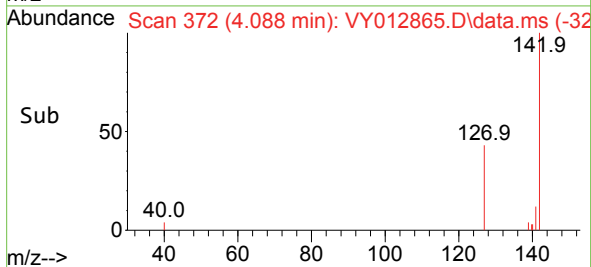
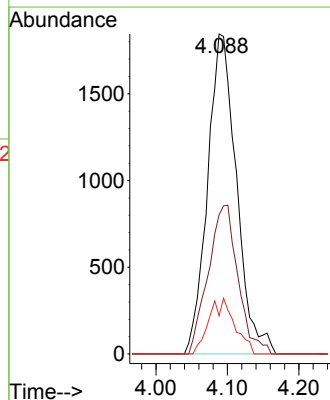
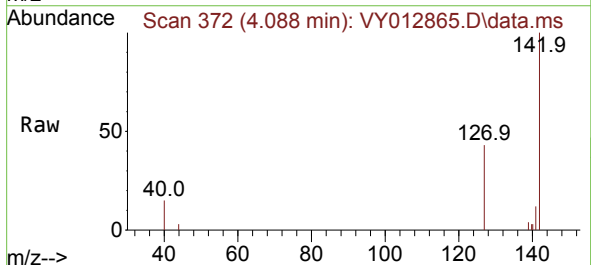
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

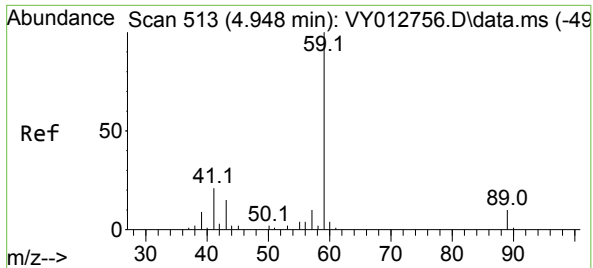
Tgt Ion:101 Resp: 4496
Ion Ratio Lower Upper
101 100
85 44.7 35.3 52.9
151 81.6 63.1 94.7



#10
Methyl Iodide
Concen: 3.768 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:142 Resp: 5178
Ion Ratio Lower Upper
142 100
127 48.0 35.4 53.2
141 7.3 11.3 16.9#





#11

Tert butyl alcohol

Concen: 23.165 ug/l

RT: 4.930 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

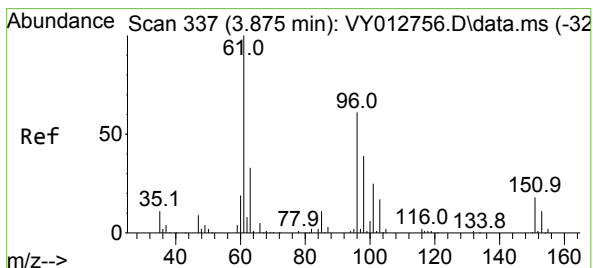
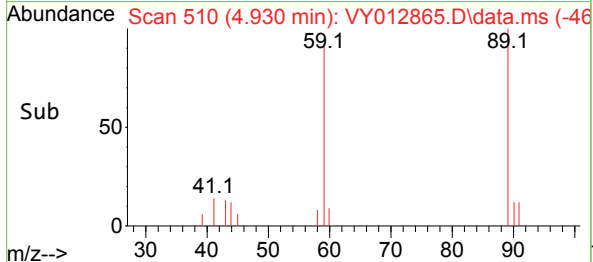
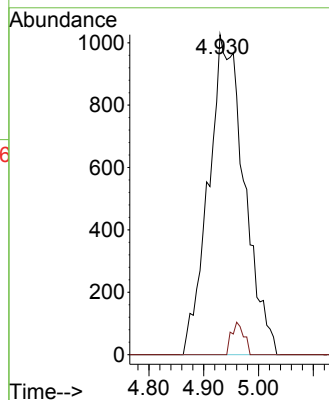
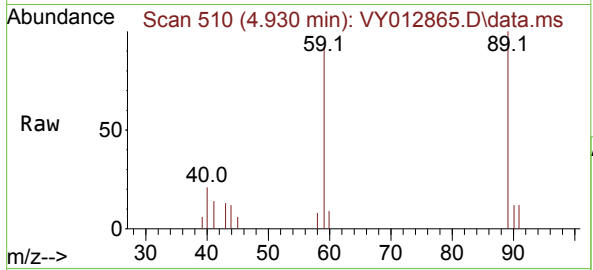
MDL-SOIL-03-QT1-2022

Tgt Ion: 59 Resp: 4624

Ion Ratio Lower Upper

59 100

57 0.0 7.7 11.5#



#12

1,1-Dichloroethene

Concen: 4.362 ug/l

RT: 3.869 min Scan# 336

Delta R.T. -0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

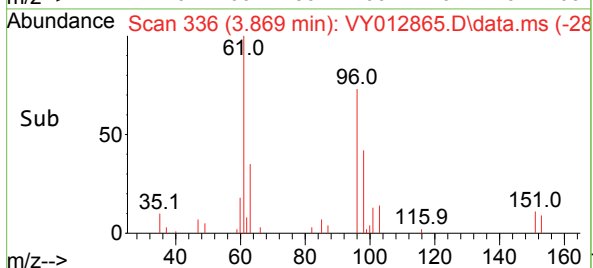
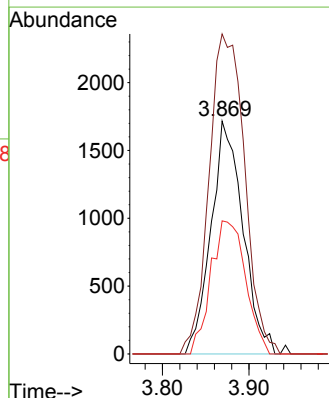
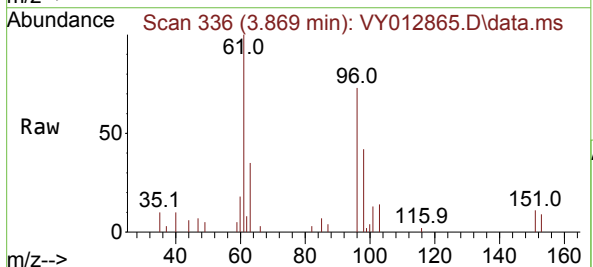
Tgt Ion: 96 Resp: 4388

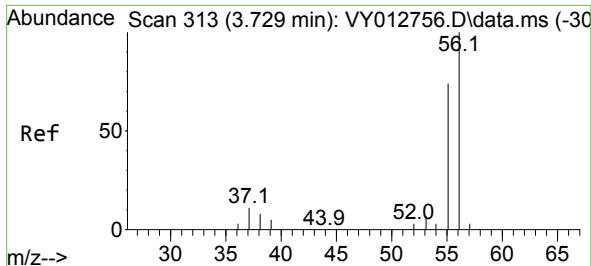
Ion Ratio Lower Upper

96 100

61 137.5 131.7 197.5

98 57.2 52.0 78.0





#13

Acrolein

Concen: 18.584 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

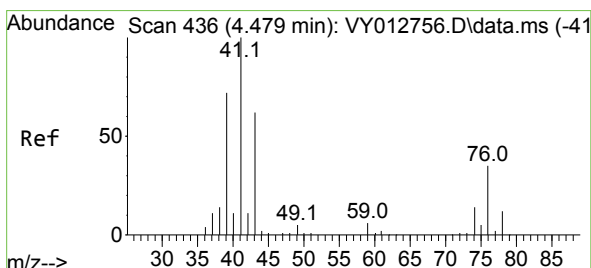
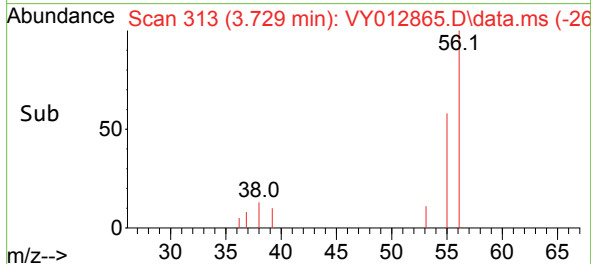
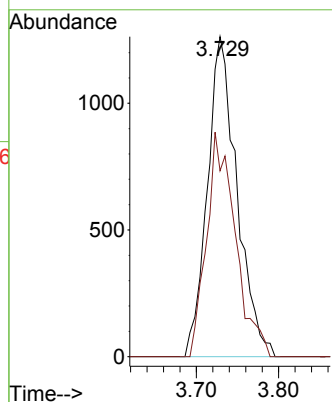
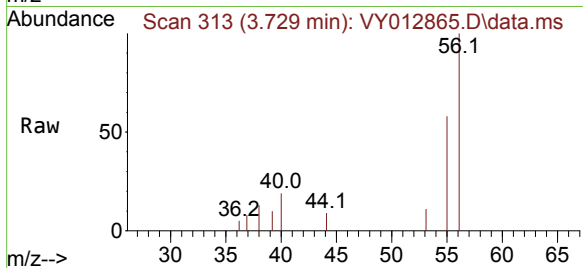
MDL-SOIL-03-QT1-2022

Tgt Ion: 56 Resp: 3158

Ion Ratio Lower Upper

56 100

55 68.1 56.8 85.2



#14

Allyl chloride

Concen: 3.430 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

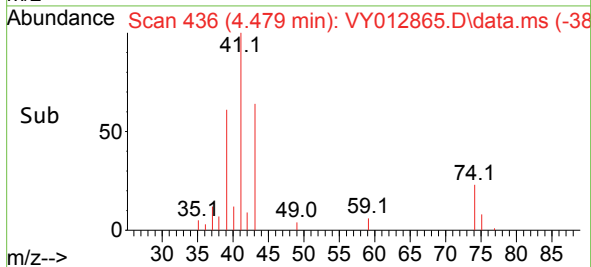
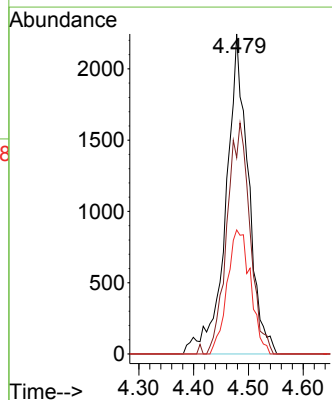
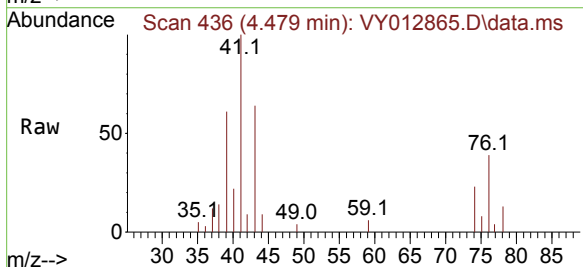
Tgt Ion: 41 Resp: 6373

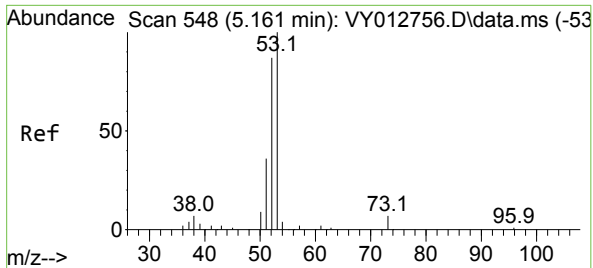
Ion Ratio Lower Upper

41 100

39 73.9 53.6 80.4

76 40.4 27.2 40.8

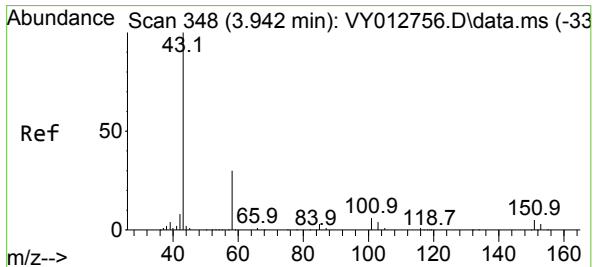
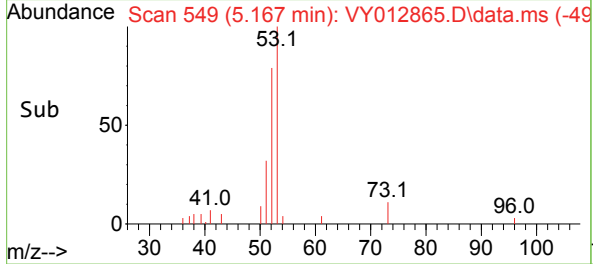
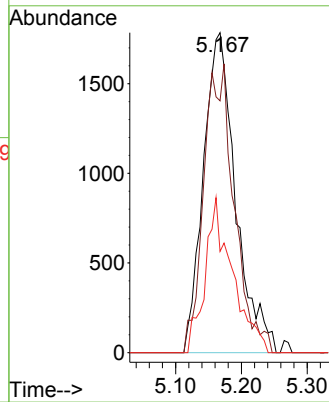
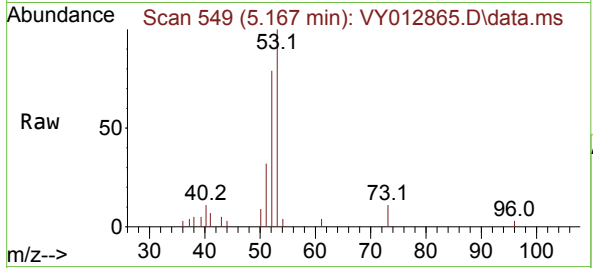




#15
Acrylonitrile
Concen: 18.788 ug/l
RT: 5.167 min Scan# 549
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

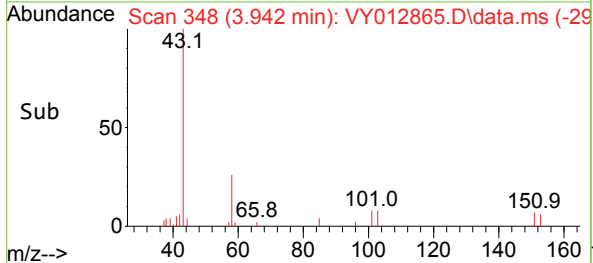
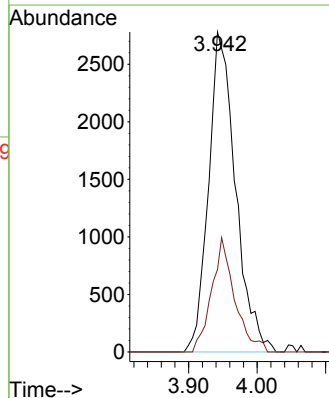
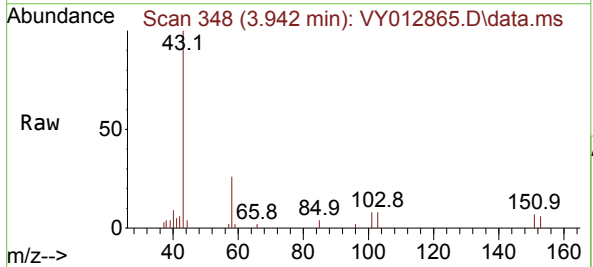
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

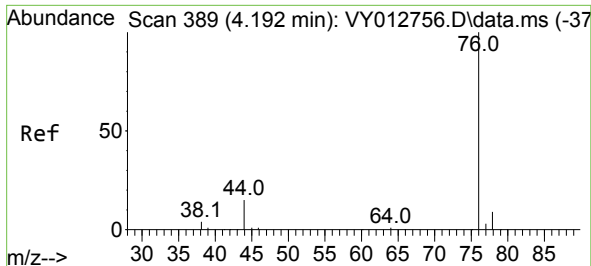
Tgt Ion:	53	Resp:	6082
Ion	Ratio	Lower	Upper
53	100		
52	85.4	66.3	99.5
51	41.0	28.8	43.2



#16
Acetone
Concen: 19.997 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:	43	Resp:	7613
Ion	Ratio	Lower	Upper
43	100		
58	25.8	24.2	36.2

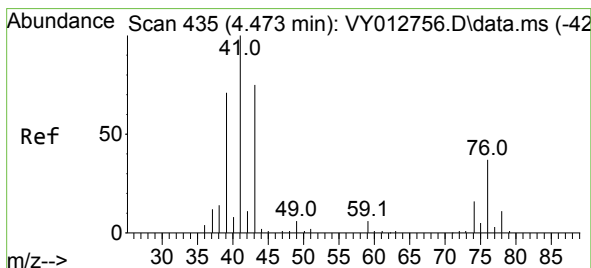
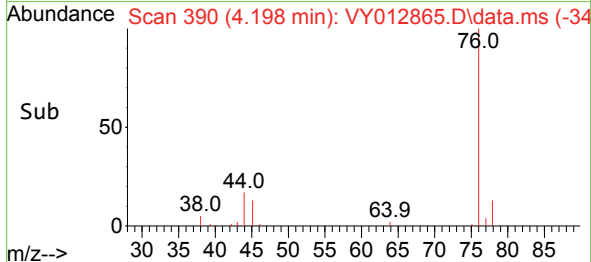
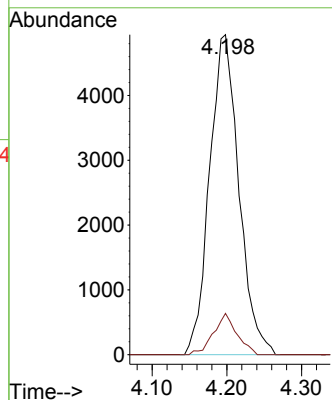
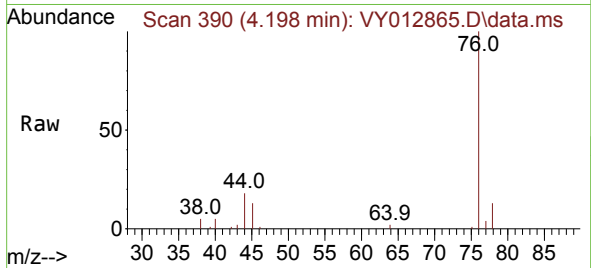




#17
Carbon Disulfide
Concen: 3.928 ug/l
RT: 4.198 min Scan# 389
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

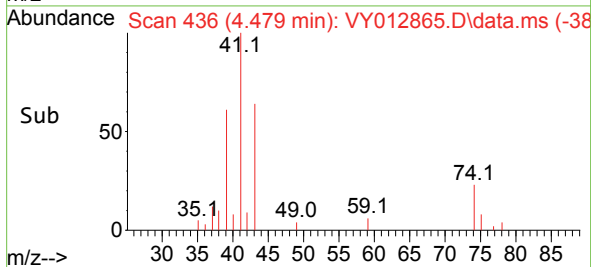
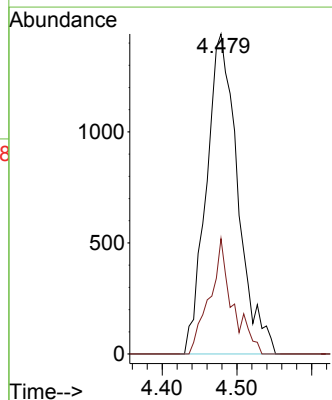
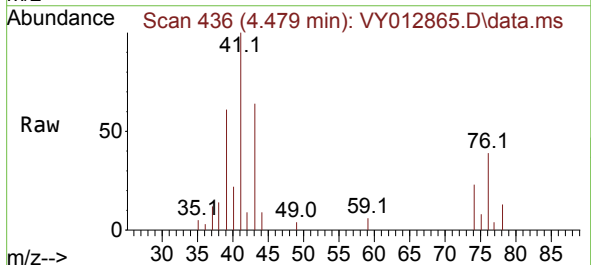
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

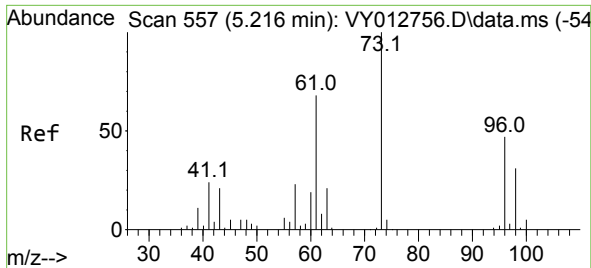
Tgt Ion: 76 Resp: 13449
Ion Ratio Lower Upper
76 100
78 12.9 7.1 10.7#



#18
Methyl Acetate
Concen: 3.719 ug/l
RT: 4.479 min Scan# 436
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 43 Resp: 4216
Ion Ratio Lower Upper
43 100
74 26.3 17.4 26.0#

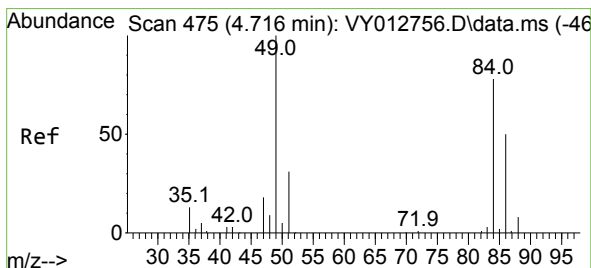
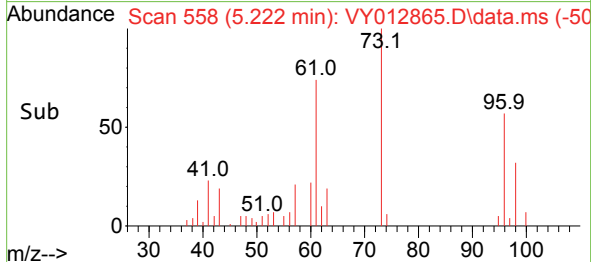
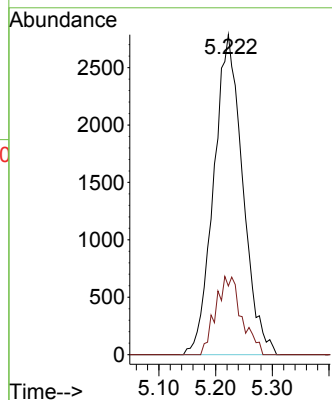
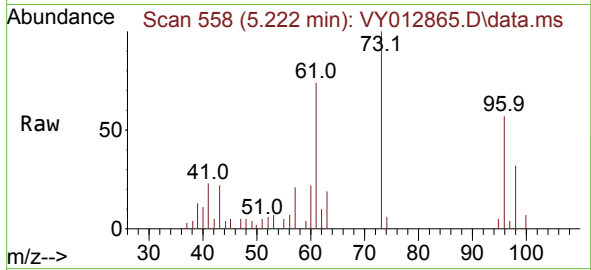




#19
Methyl tert-butyl Ether
Concen: 3.807 ug/l
RT: 5.222 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

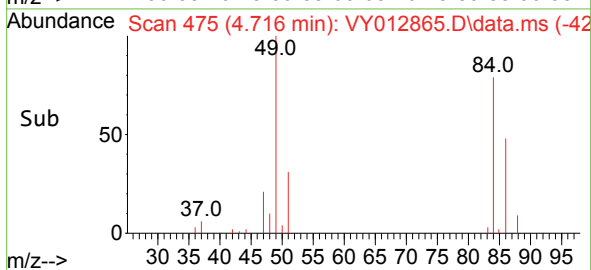
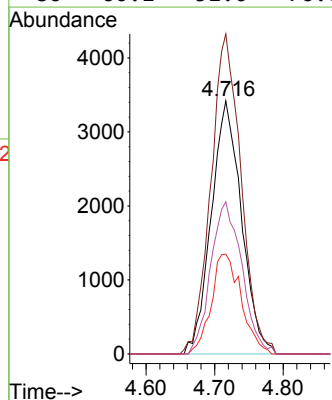
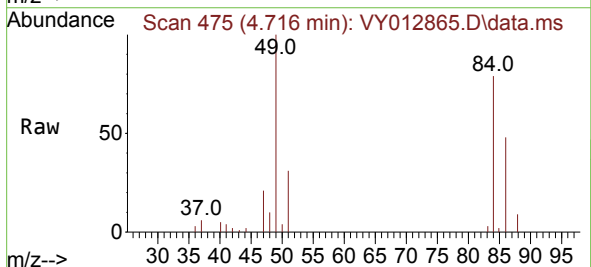
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

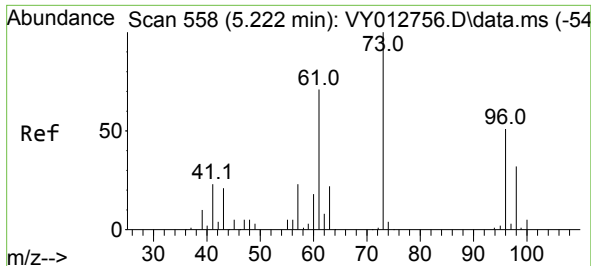
Tgt Ion: 73 Resp: 9893
Ion Ratio Lower Upper
73 100
57 21.5 18.3 27.5



#20
Methylene Chloride
Concen: 4.091 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 84 Resp: 10484
Ion Ratio Lower Upper
84 100
49 126.5 102.6 154.0
51 39.5 31.9 47.9
86 60.1 51.0 76.6

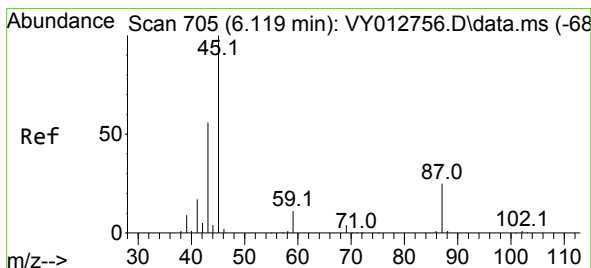
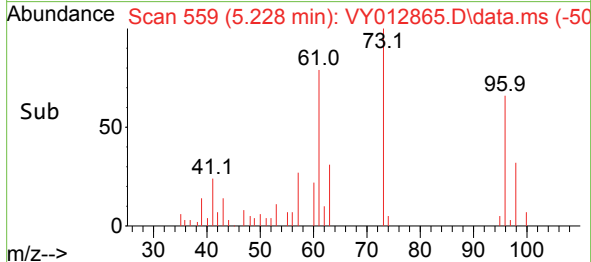
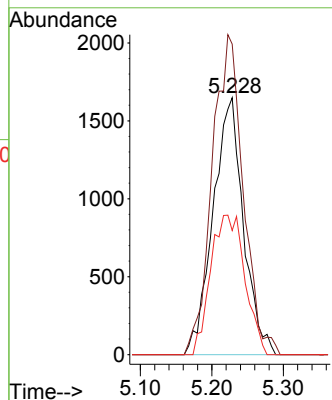
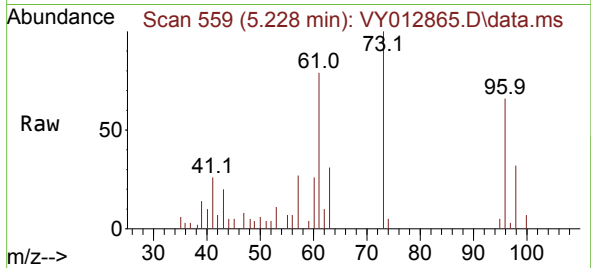




#21
trans-1,2-Dichloroethene
Concen: 4.447 ug/l
RT: 5.228 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

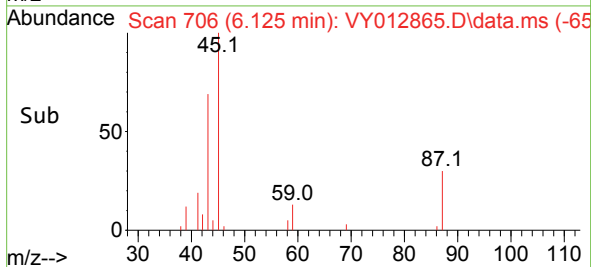
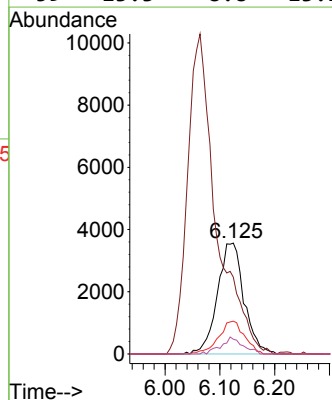
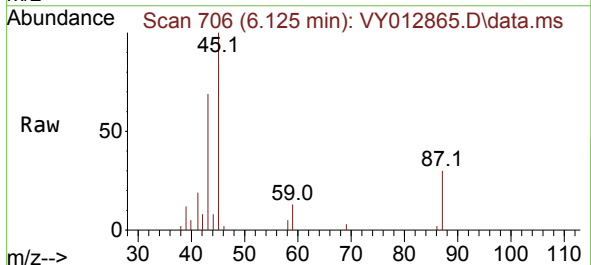
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

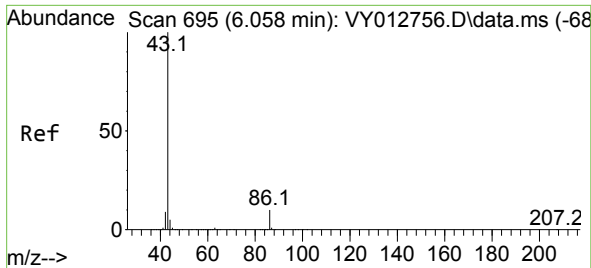
Tgt Ion: 96 Resp: 4861
Ion Ratio Lower Upper
96 100
61 120.8 111.4 167.0
98 48.3 50.8 76.2#



#22
Diisopropyl ether
Concen: 3.555 ug/l
RT: 6.125 min Scan# 706
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 45 Resp: 12000
Ion Ratio Lower Upper
45 100
43 67.7 45.0 67.6#
87 29.6 20.3 30.5
59 13.3 8.8 13.2#

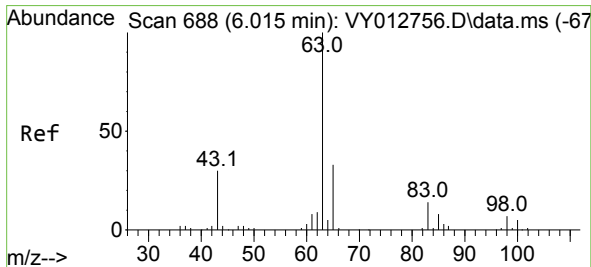
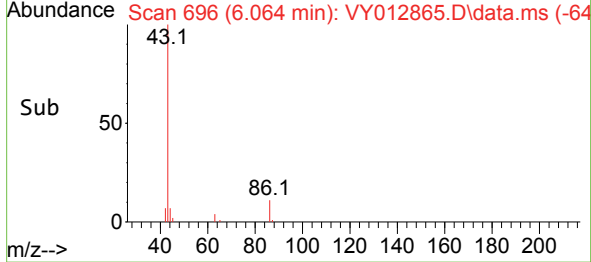
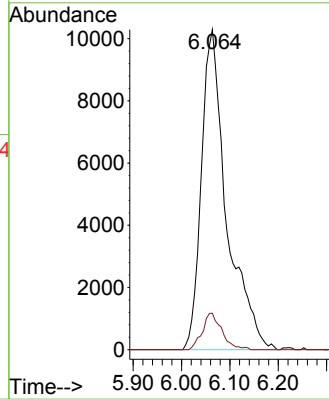
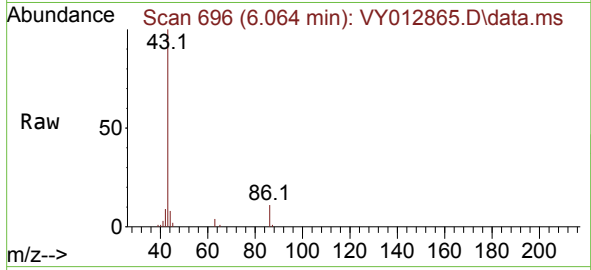




#23
 Vinyl Acetate
 Concen: 17.808 ug/l
 RT: 6.064 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

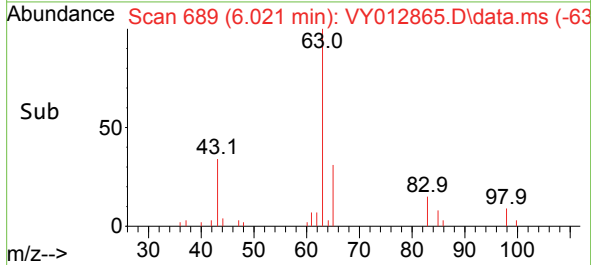
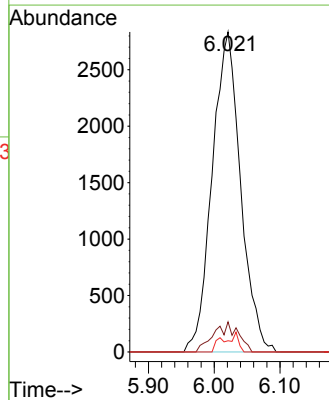
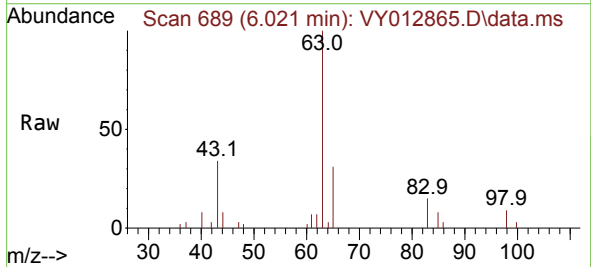
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

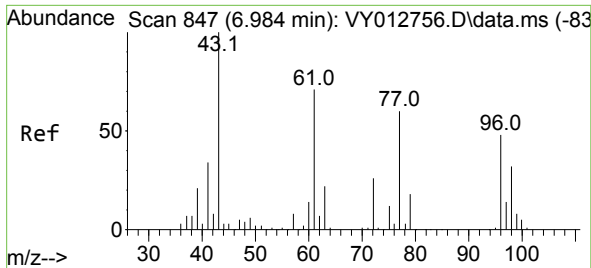
Tgt Ion: 43 Resp: 37344
 Ion Ratio Lower Upper
 43 100
 86 11.4 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 4.432 ug/l
 RT: 6.021 min Scan# 689
 Delta R.T. 0.006 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

Tgt Ion: 63 Resp: 8523
 Ion Ratio Lower Upper
 63 100
 98 9.4 3.7 11.1
 100 3.5 2.3 6.8

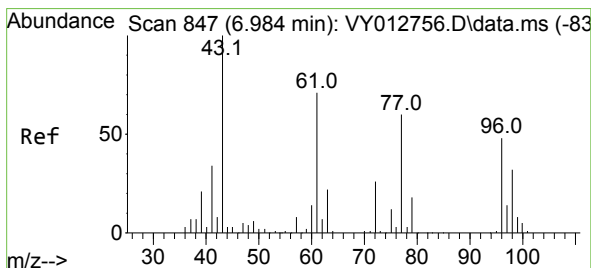
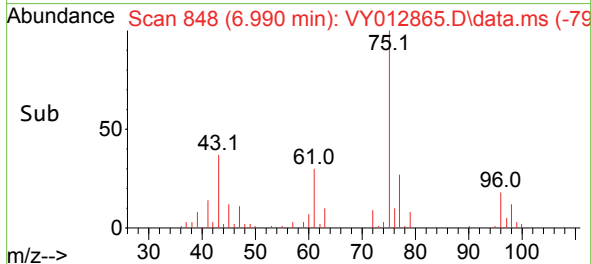
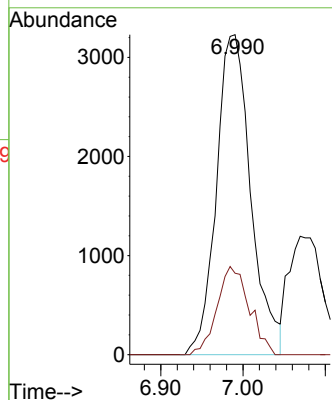
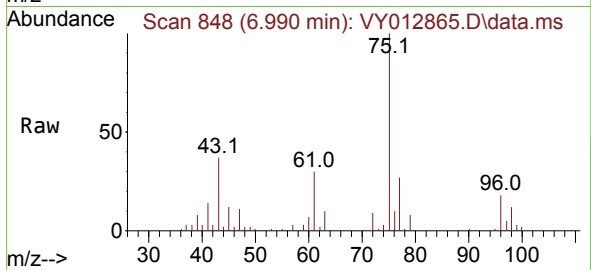




#25
2-Butanone
Concen: 19.914 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

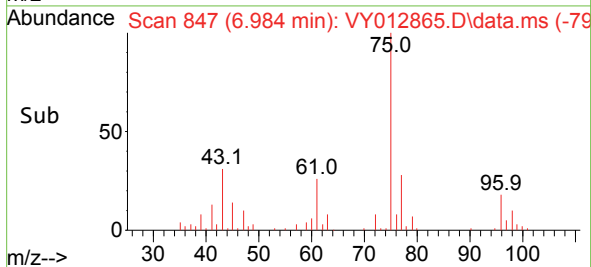
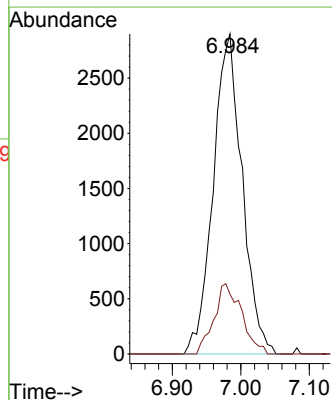
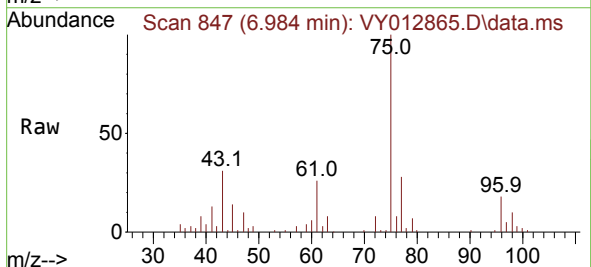
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

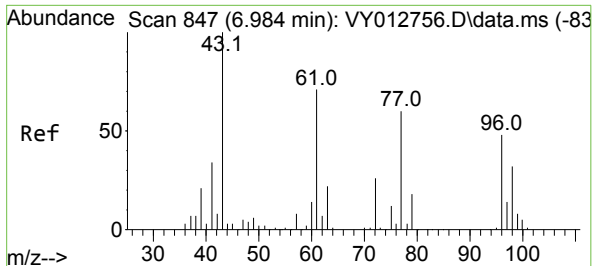
Tgt Ion: 43 Resp: 9390
Ion Ratio Lower Upper
43 100
72 25.5 21.0 31.4



#26
2,2-Dichloropropane
Concen: 4.977 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 77 Resp: 8501
Ion Ratio Lower Upper
77 100
97 20.9 11.7 35.0





#27

cis-1,2-Dichloroethene

Concen: 4.317 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY012865.D

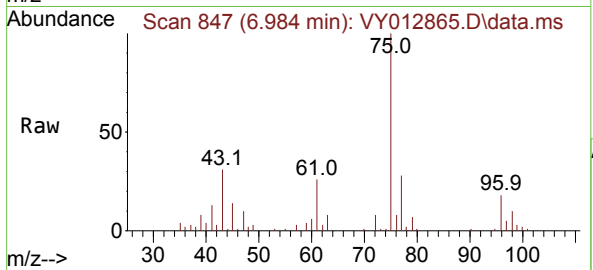
Acq: 08 Mar 2023 12:54

Instrument :

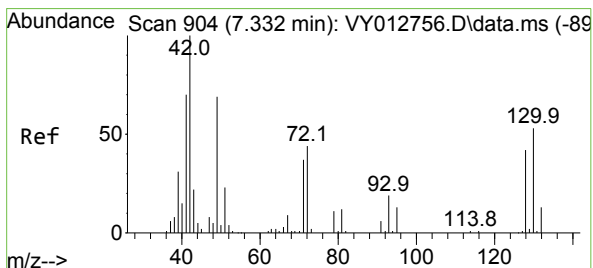
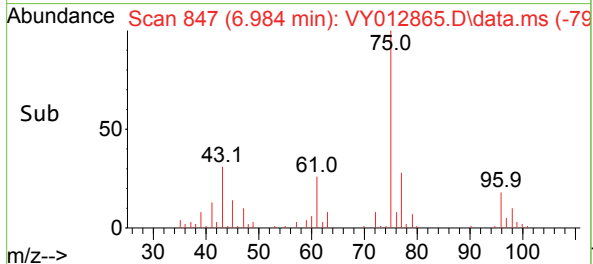
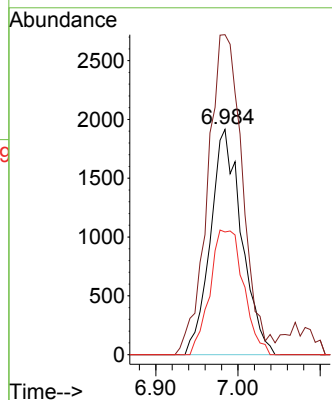
MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022



Tgt Ion: 96	Resp: 5060
Ion Ratio	Lower Upper
96	100
61	158.2 0.0 295.8
98	59.2 0.0 130.2



#28

Bromochloromethane

Concen: 3.352 ug/l

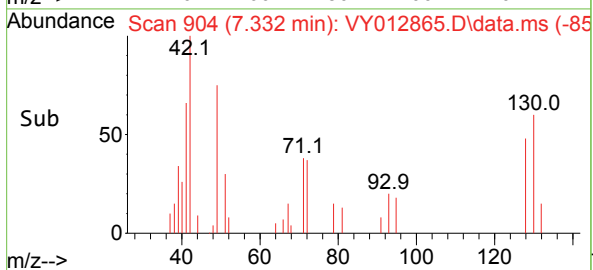
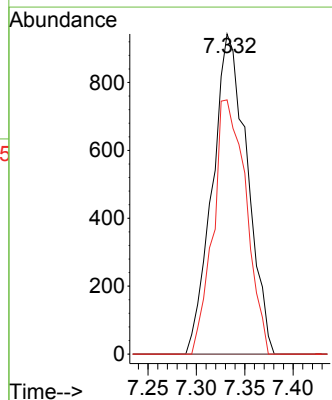
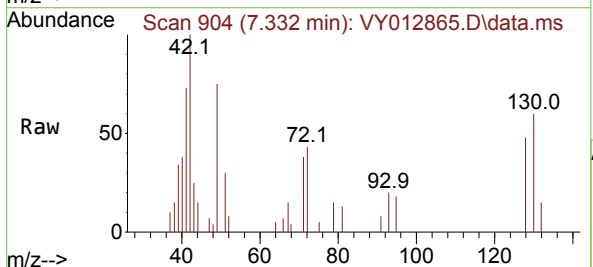
RT: 7.332 min Scan# 904

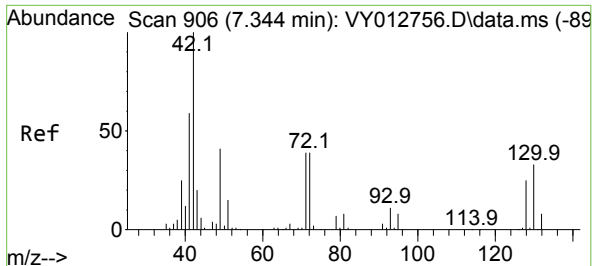
Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion: 49	Resp: 2356
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.2
130	74.9 60.5 90.7





#29

Tetrahydrofuran

Concen: 17.915 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

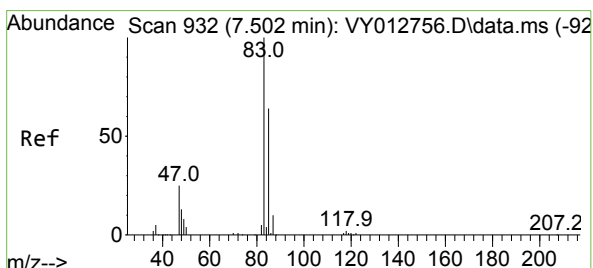
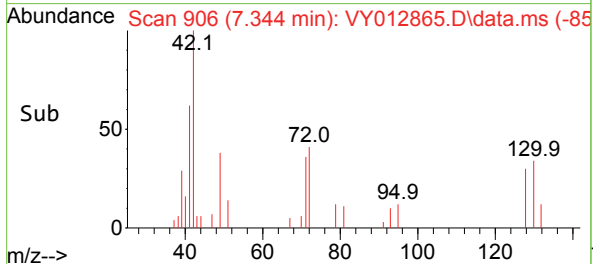
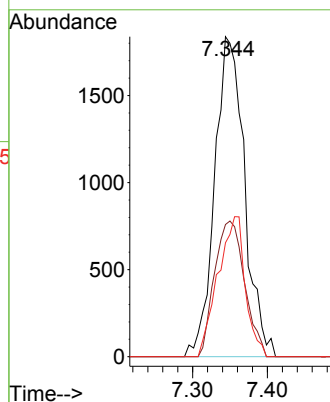
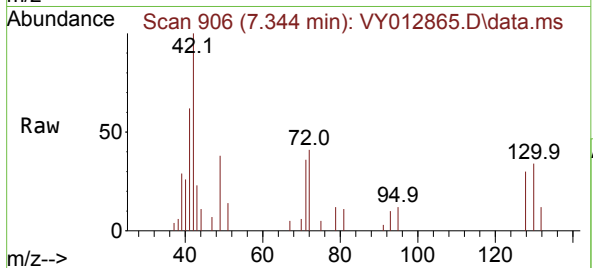
Tgt Ion: 42 Resp: 5095

Ion Ratio Lower Upper

42 100

72 42.8 32.3 48.5

71 40.0 30.3 45.5



#30

Chloroform

Concen: 4.660 ug/l

RT: 7.508 min Scan# 933

Delta R.T. 0.006 min

Lab File: VY012865.D

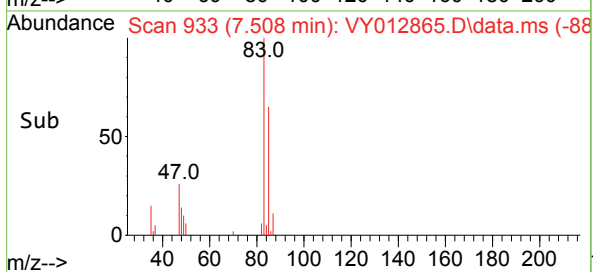
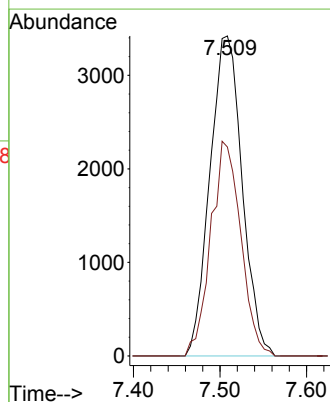
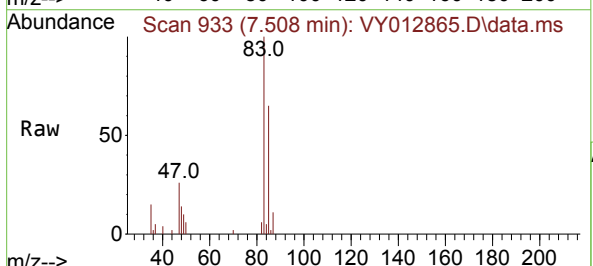
Acq: 08 Mar 2023 12:54

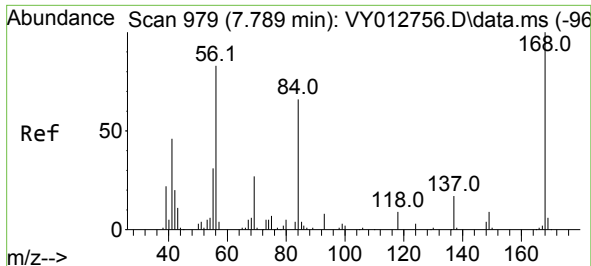
Tgt Ion: 83 Resp: 8852

Ion Ratio Lower Upper

83 100

85 65.3 51.4 77.0

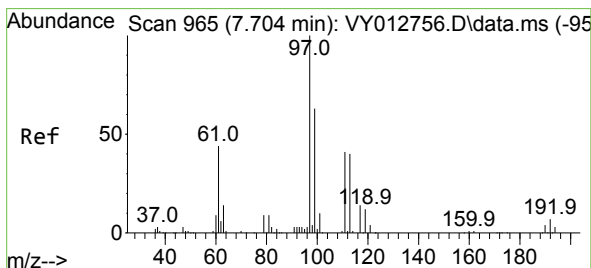
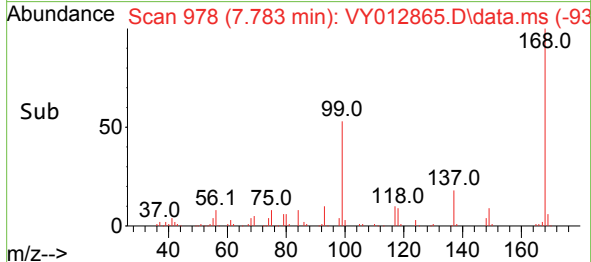
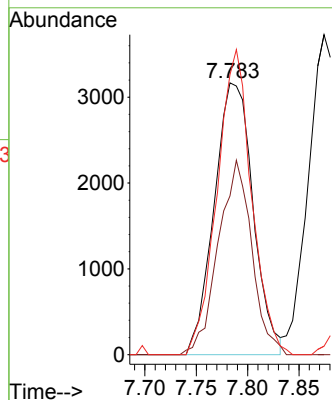
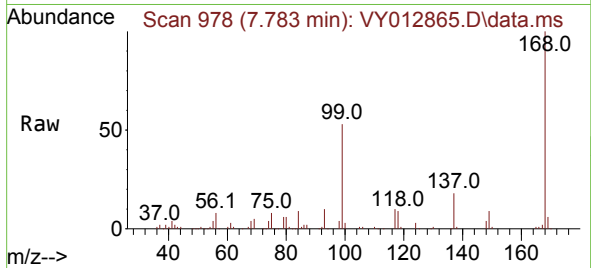




#31
Cyclohexane
Concen: 4.478 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

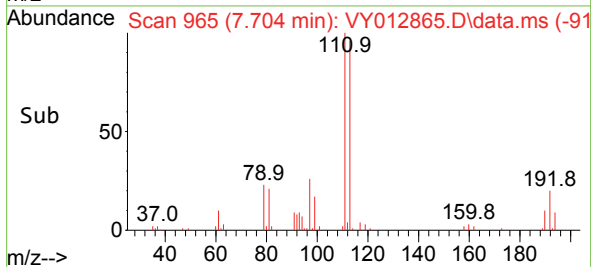
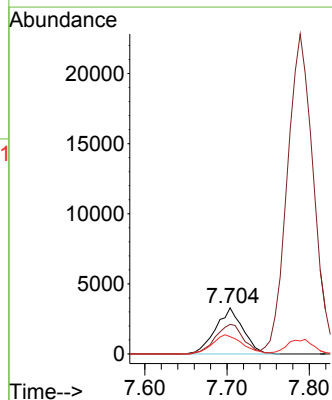
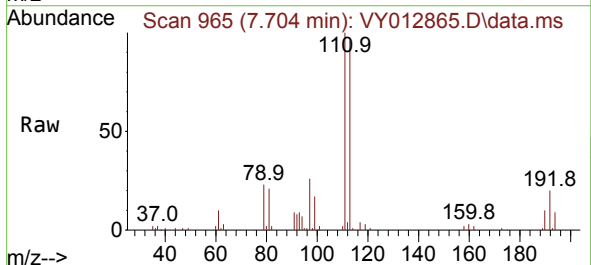
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

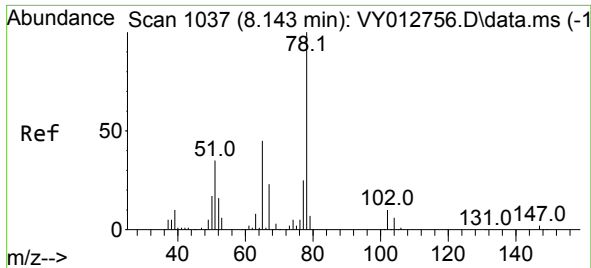
Tgt Ion: 56 Resp: 8318
Ion Ratio Lower Upper
56 100
69 58.4 25.7 38.5#
84 102.9 64.3 96.5#



#32
1,1,1-Trichloroethane
Concen: 4.413 ug/l
RT: 7.704 min Scan# 965
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 97 Resp: 7582
Ion Ratio Lower Upper
97 100
99 66.0 51.0 76.6
61 45.2 34.5 51.7

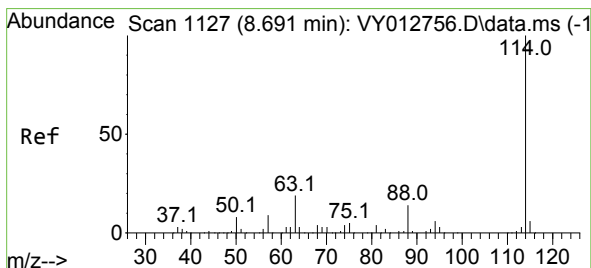
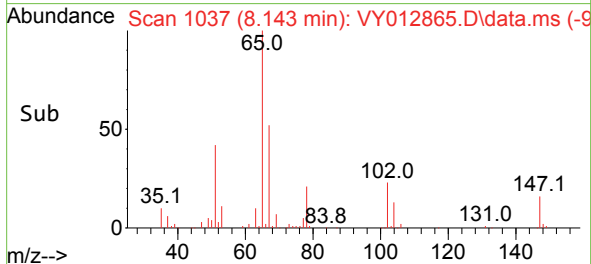
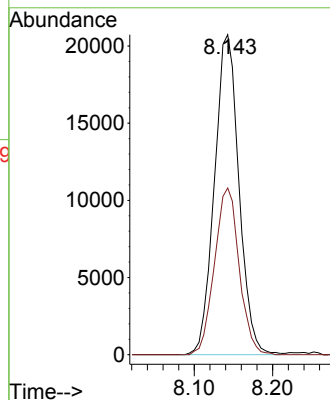
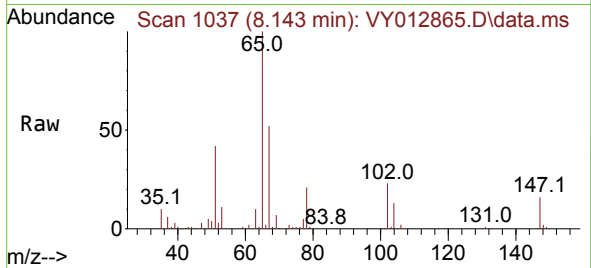




#33
 1,2-Dichloroethane-d4
 Concen: 46.489 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

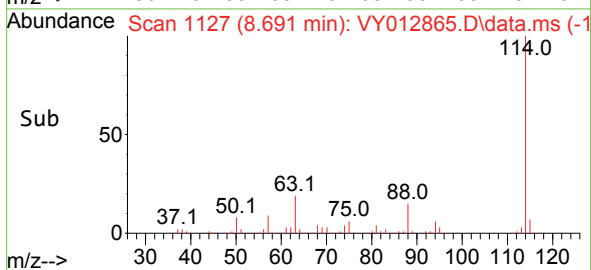
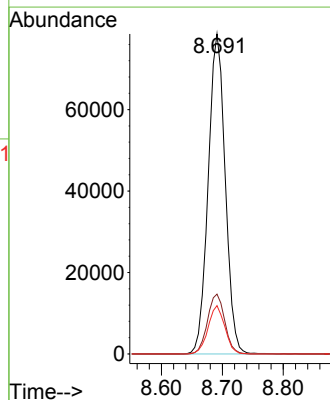
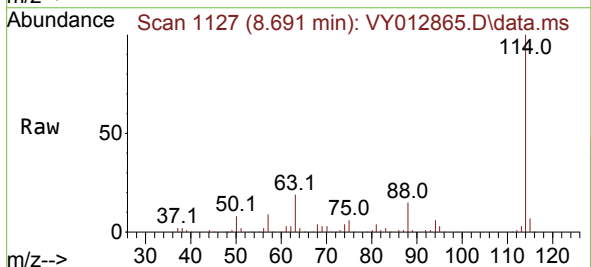
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

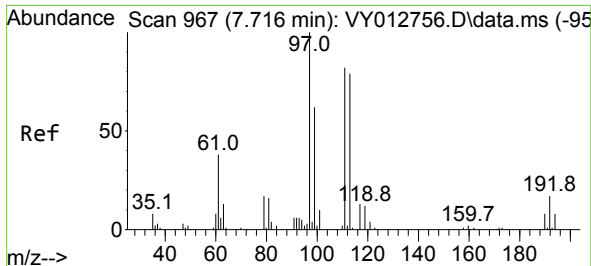
Tgt Ion: 65 Resp: 45091
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

Tgt Ion: 114 Resp: 152608
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 37.4
 88 15.1 0.0 28.6

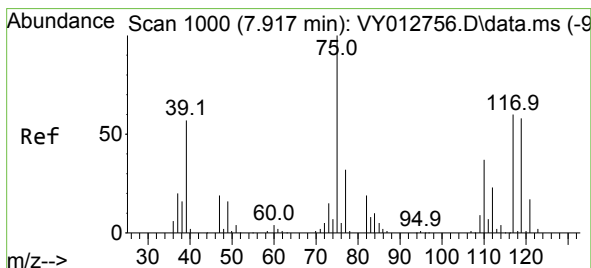
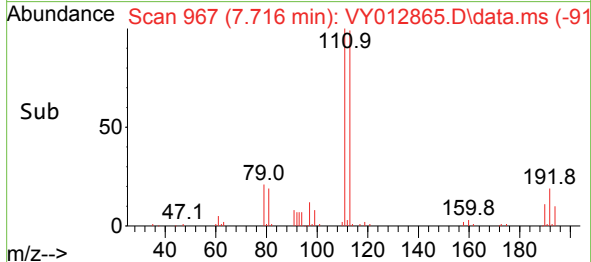
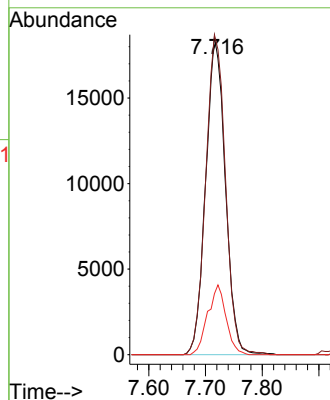
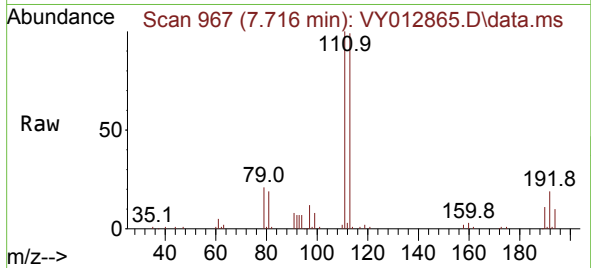




#35
Dibromofluoromethane
Concen: 48.167 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

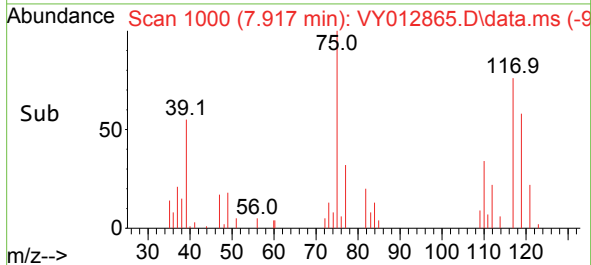
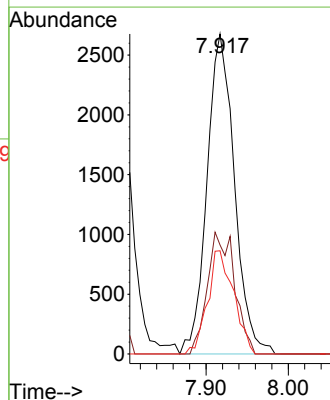
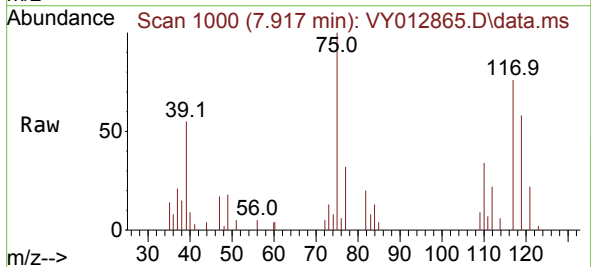
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

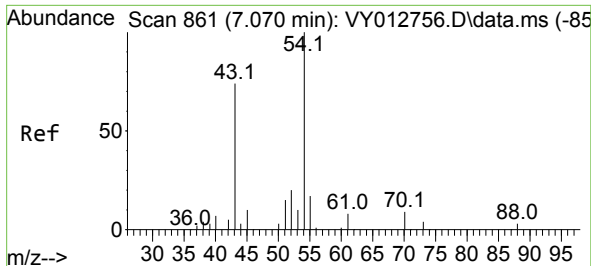
Tgt Ion:113 Resp: 44361
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 20.7 16.8 25.2



#36
1,1-Dichloropropene
Concen: 4.029 ug/l
RT: 7.917 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 75 Resp: 6219
Ion Ratio Lower Upper
75 100
110 37.7 17.8 53.3
77 30.6 25.0 37.4





#37

Ethyl Acetate

Concen: 3.112 ug/l

RT: 7.070 min Scan# 861

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

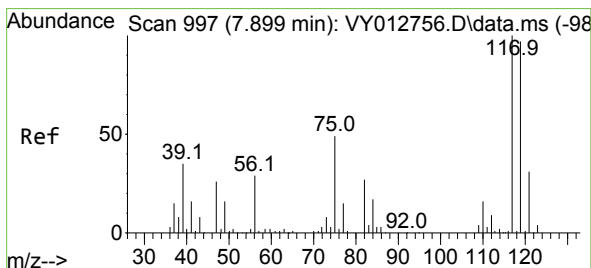
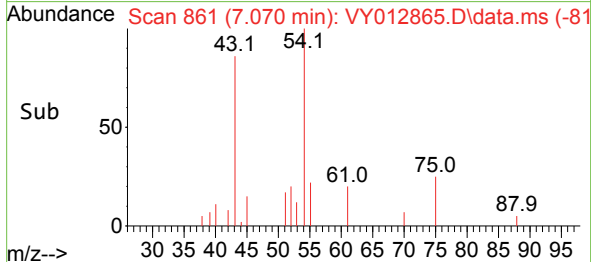
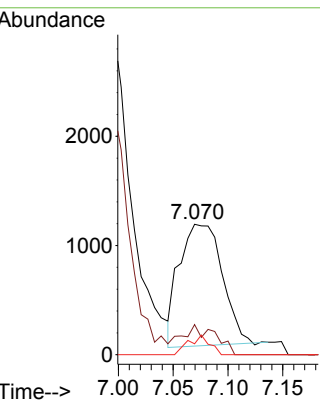
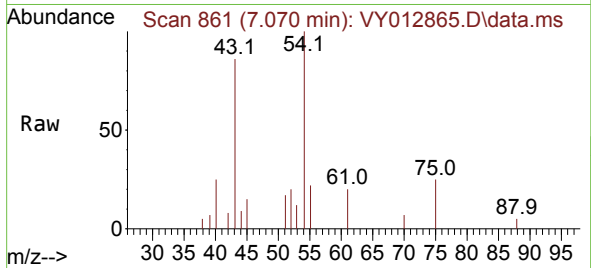
Tgt Ion: 43 Resp: 3027

Ion Ratio Lower Upper

43 100

61 19.5 10.7 16.1#

70 7.9 7.8 11.8



#38

Carbon Tetrachloride

Concen: 4.528 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

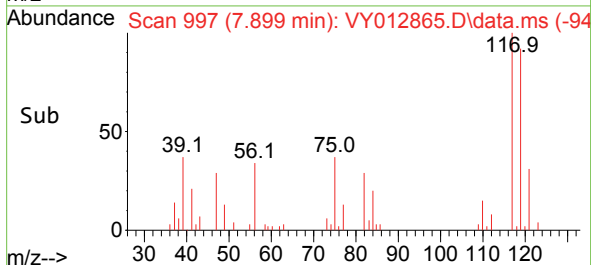
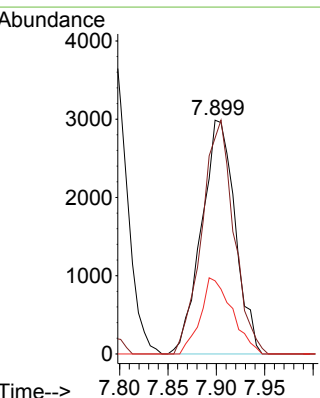
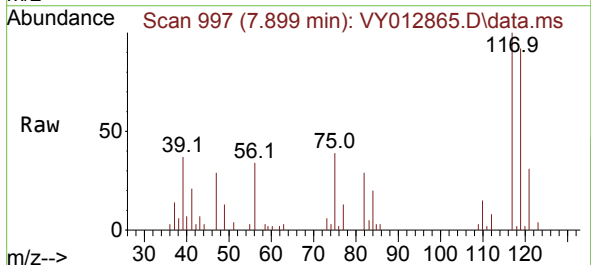
Tgt Ion: 117 Resp: 7217

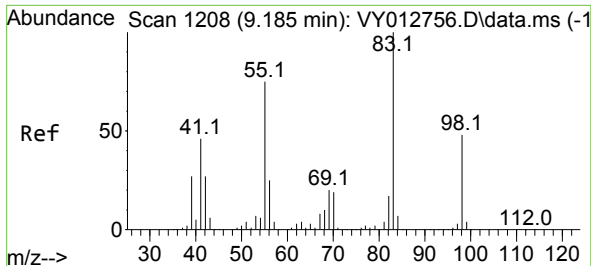
Ion Ratio Lower Upper

117 100

119 92.4 77.2 115.8

121 31.3 24.7 37.1





#39

Methylcyclohexane

Concen: 3.900 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

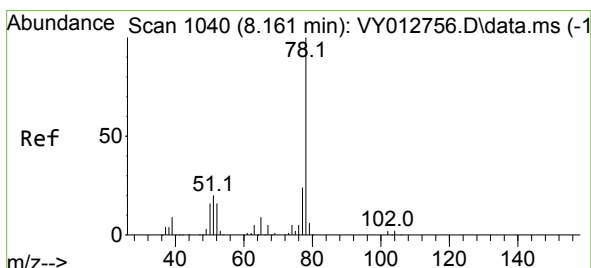
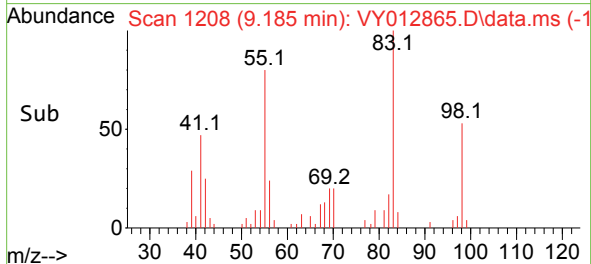
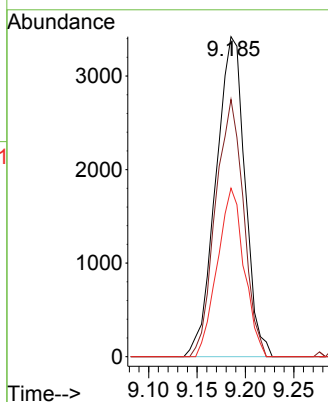
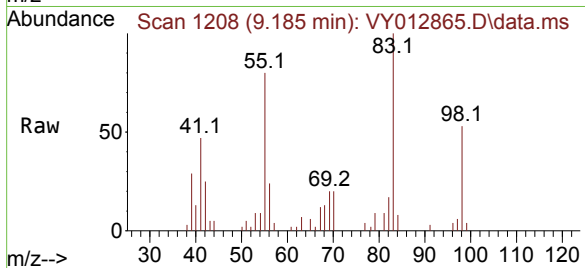
Tgt Ion: 83 Resp: 7156

Ion Ratio Lower Upper

83 100

55 80.4 60.0 90.0

98 52.6 38.3 57.5



#40

Benzene

Concen: 4.291 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY012865.D

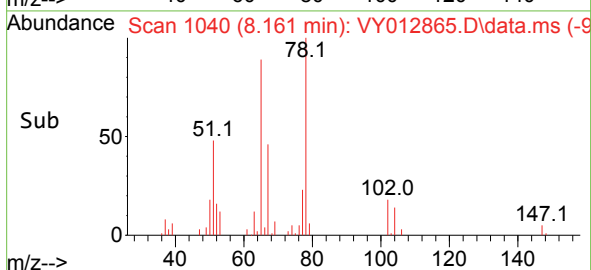
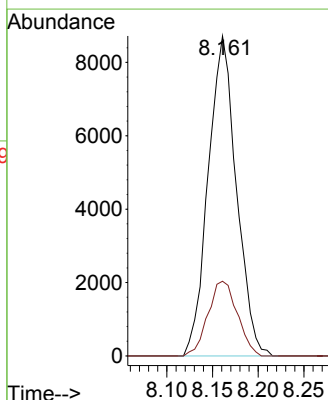
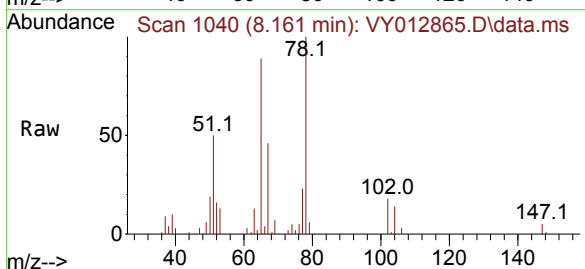
Acq: 08 Mar 2023 12:54

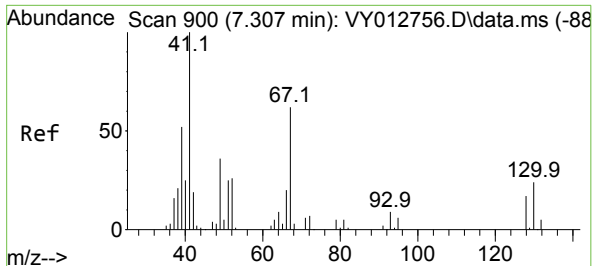
Tgt Ion: 78 Resp: 18735

Ion Ratio Lower Upper

78 100

77 23.4 19.4 29.0

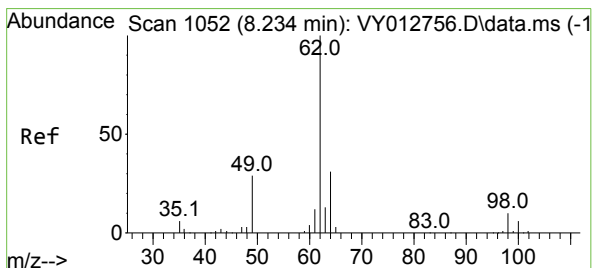
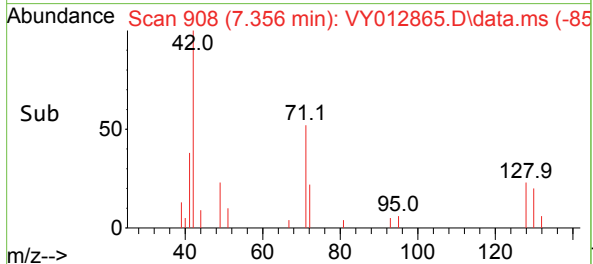
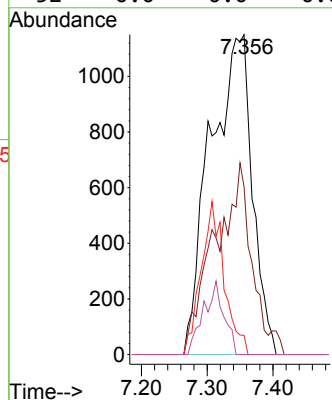
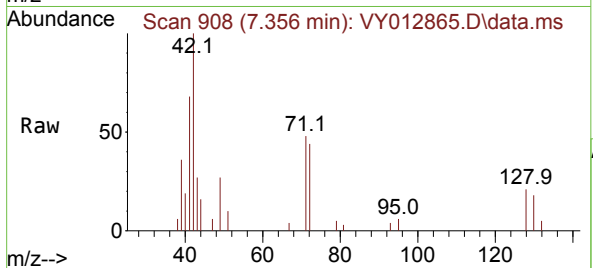




#41
Methacrylonitrile
Concen: 9.664 ug/l
RT: 7.356 min Scan# 908
Delta R.T. 0.049 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

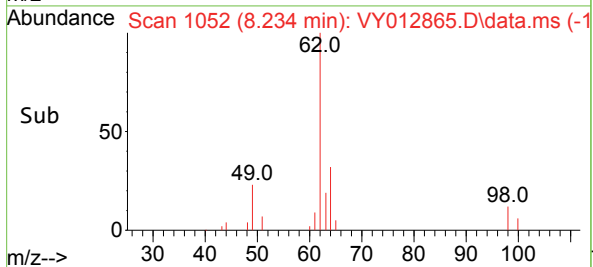
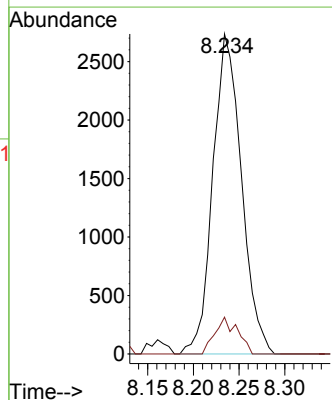
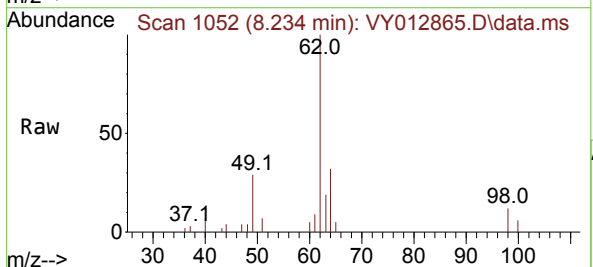
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

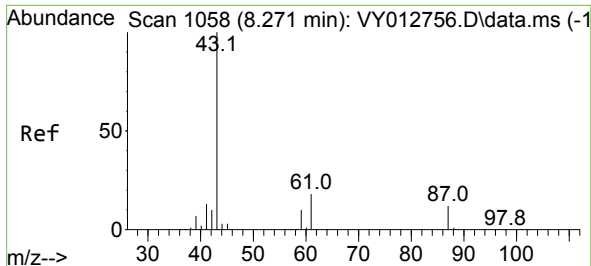
Tgt Ion:	41	Resp:	5065
Ion Ratio	Lower	Upper	
41	100		
39	34.9	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 4.542 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:	62	Resp:	5961
Ion Ratio	Lower	Upper	
62	100		
98	9.1	0.0	18.8

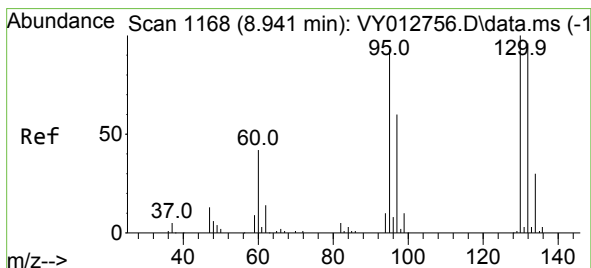
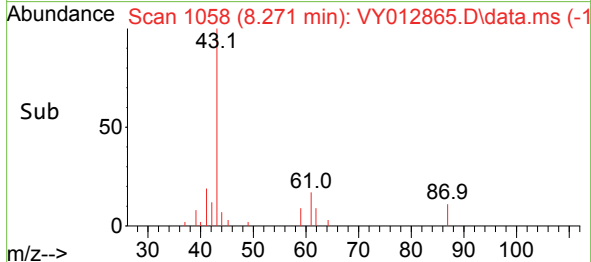
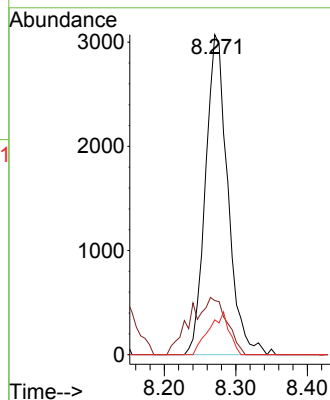
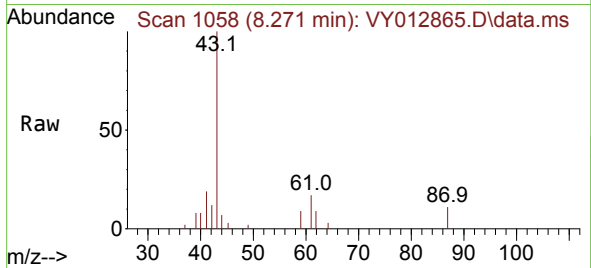




#43
Isopropyl Acetate
Concen: 3.835 ug/l
RT: 8.271 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

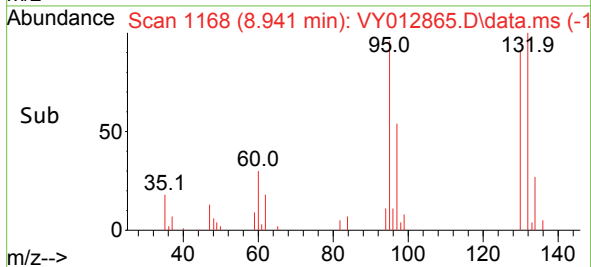
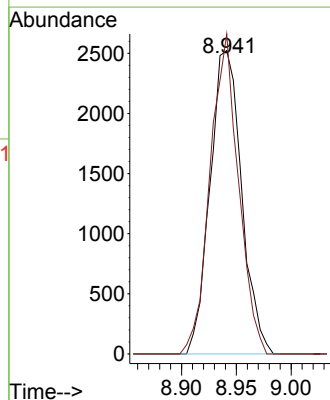
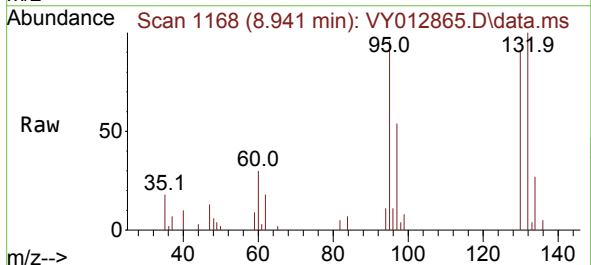
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022

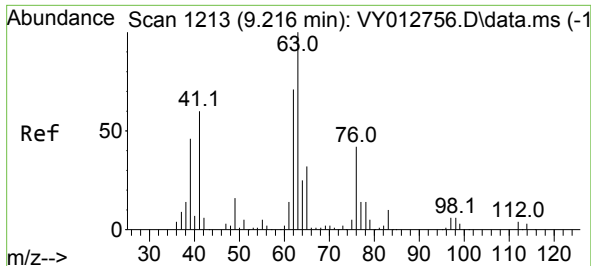
Tgt Ion: 43	Resp: 6655
Ion Ratio	Lower Upper
43 100	
61 29.2	21.6 32.4
87 12.2	9.9 14.9



#44
Trichloroethene
Concen: 4.389 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:130	Resp:	5052	
Ion	Ratio	Lower	Upper
130	100		
95	105.5	0.0	185.0





#45

1,2-Dichloropropane

Concen: 4.143 ug/l

RT: 9.209 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

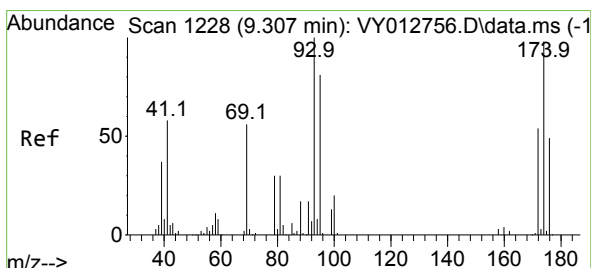
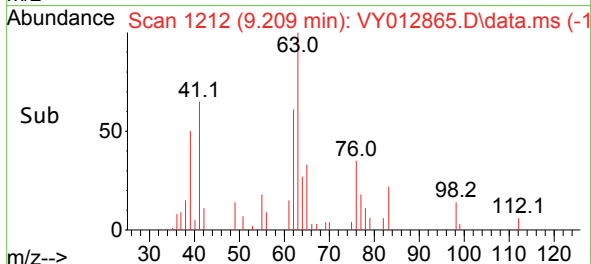
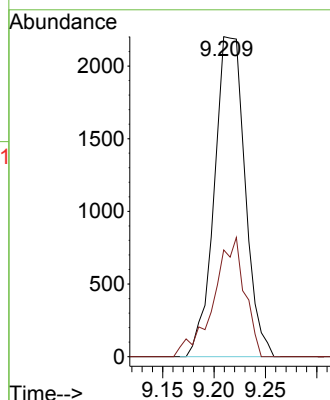
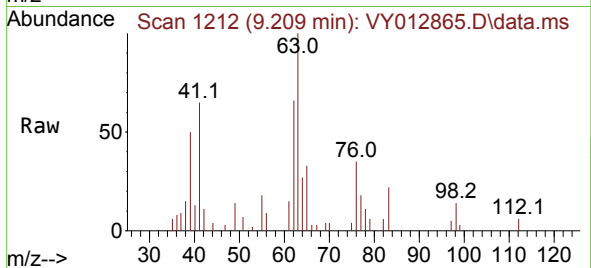
MDL-SOIL-03-QT1-2022

Tgt Ion: 63 Resp: 4571

Ion Ratio Lower Upper

63 100

65 33.3 25.7 38.5



#46

Dibromomethane

Concen: 4.330 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

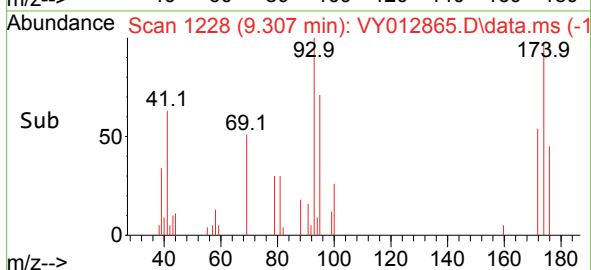
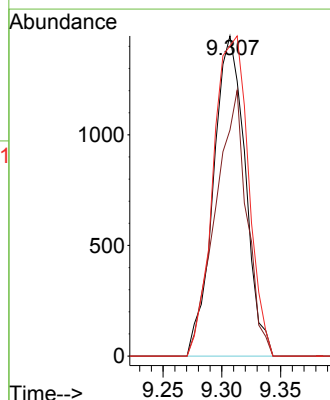
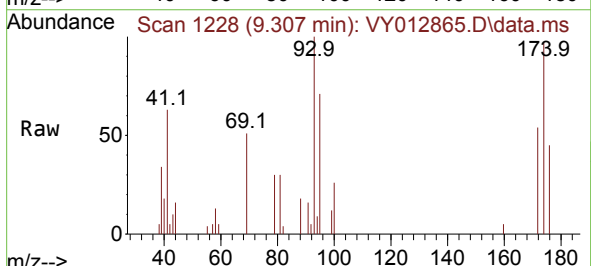
Tgt Ion: 93 Resp: 2722

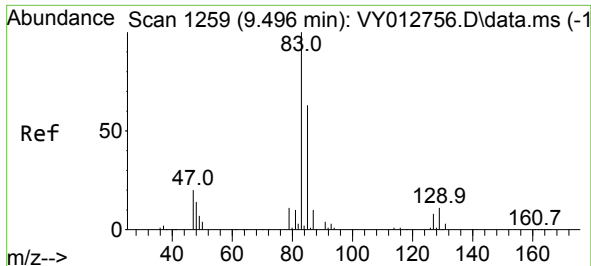
Ion Ratio Lower Upper

93 100

95 81.7 65.6 98.4

174 110.4 81.3 121.9

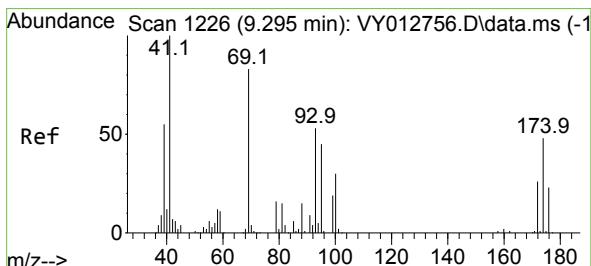
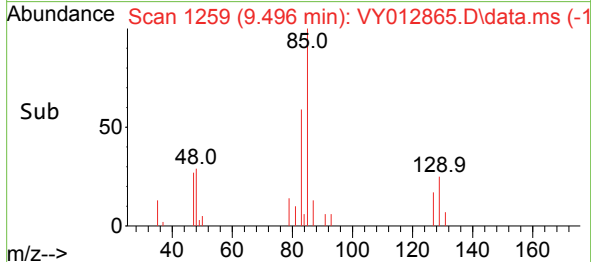
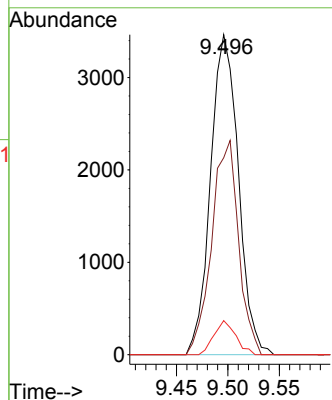
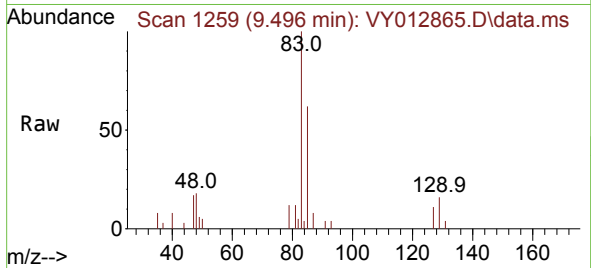




#47
Bromodichloromethane
Concen: 4.396 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

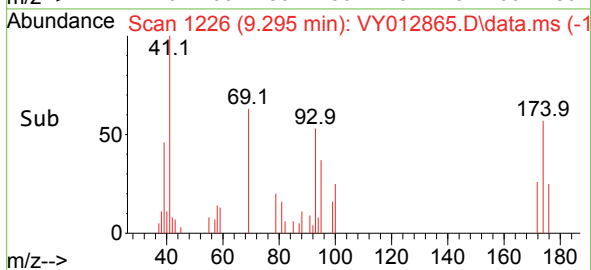
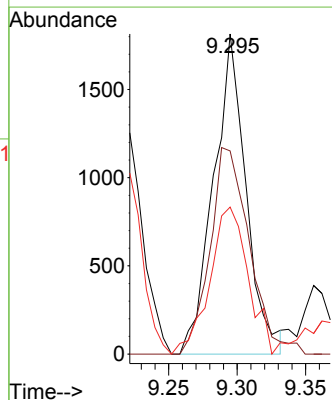
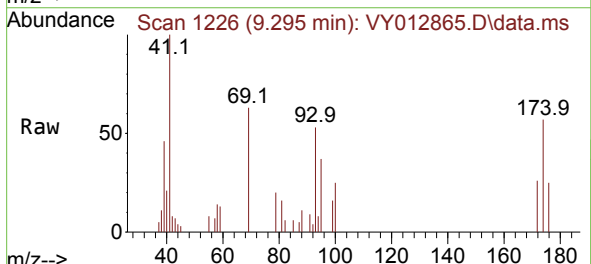
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022

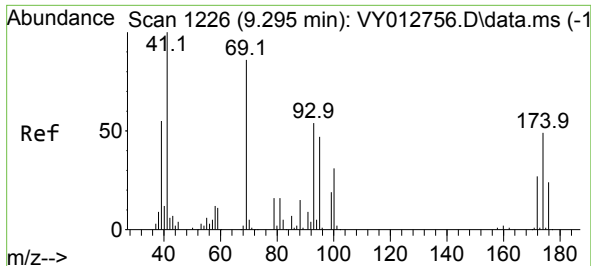
Tgt Ion: 83 Resp: 6511
Ion Ratio Lower Upper
83 100
85 61.5 50.2 75.4
127 10.7 6.3 9.5#



#48
Methyl methacrylate
Concen: 3.748 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 41 Resp: 2997
Ion Ratio Lower Upper
41 100
69 78.2 64.1 96.1
39 55.2 44.0 66.0





#49

1,4-Dioxane

Concen: 71.130 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. 0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

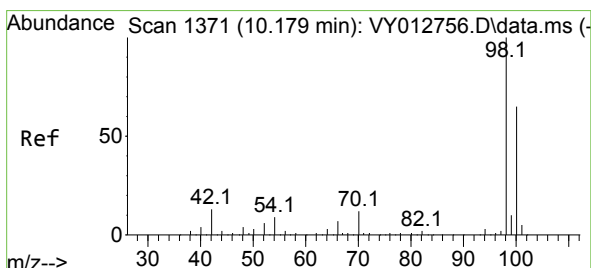
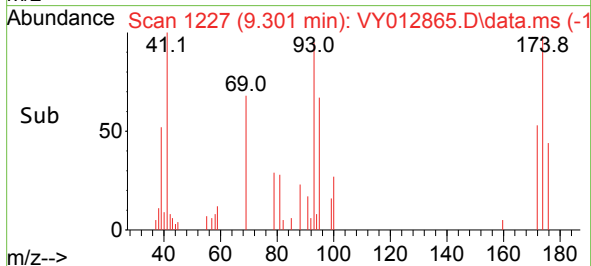
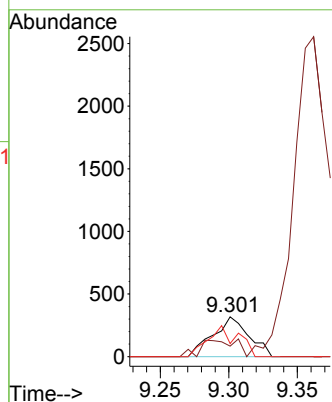
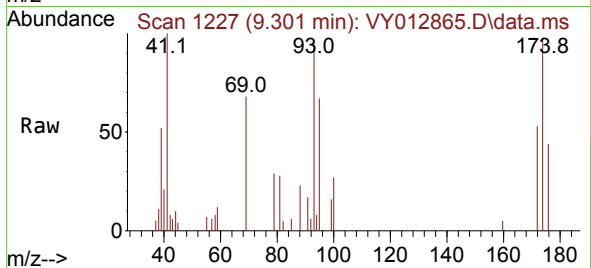
Tgt Ion: 88 Resp: 578

Ion Ratio Lower Upper

88 100

43 41.9 28.6 42.8

58 65.4 55.2 82.8



#50

Toluene-d8

Concen: 44.873 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012865.D

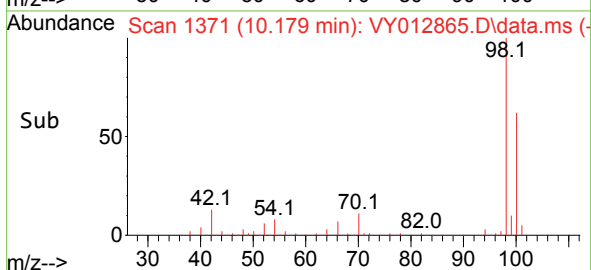
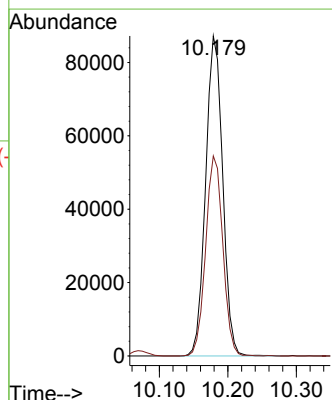
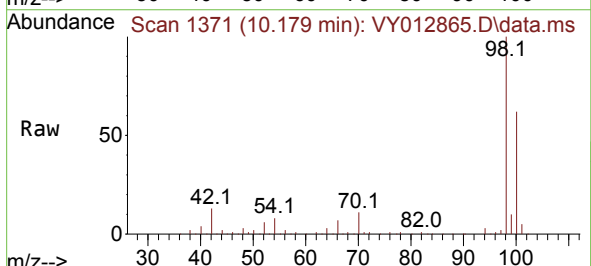
Acq: 08 Mar 2023 12:54

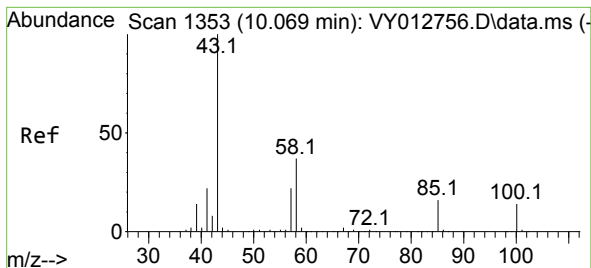
Tgt Ion: 98 Resp: 151085

Ion Ratio Lower Upper

98 100

100 63.0 50.9 76.3

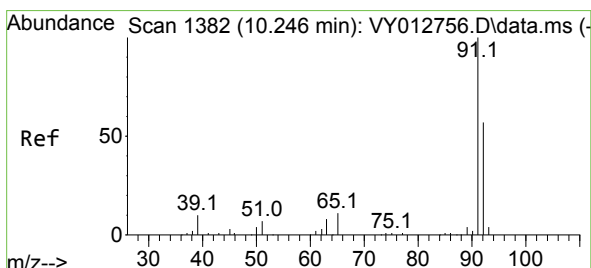
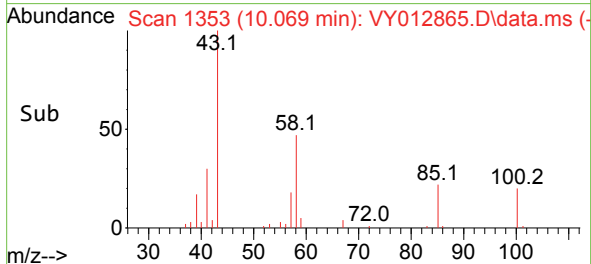
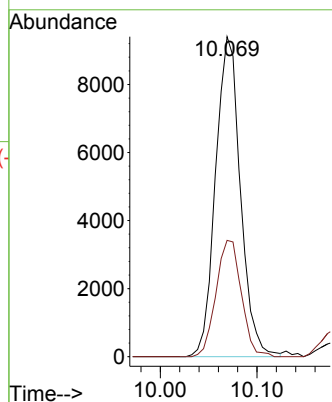
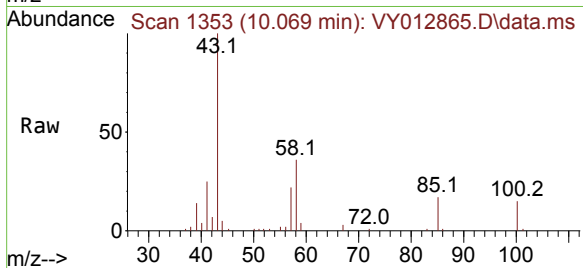




#51
4-Methyl-2-Pentanone
Concen: 17.796 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

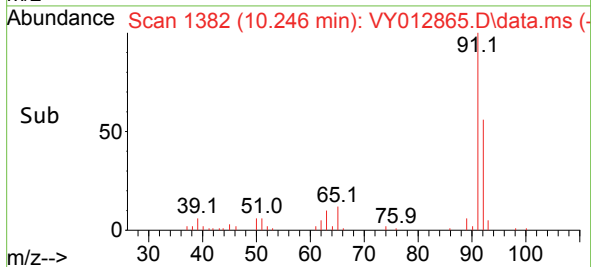
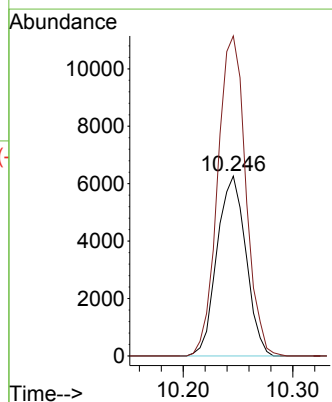
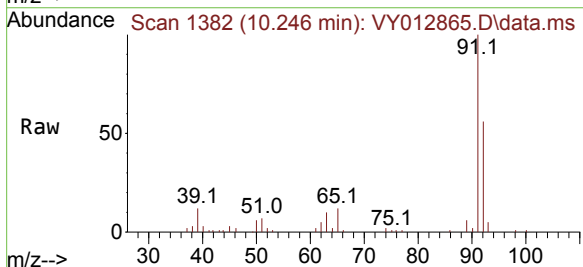
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

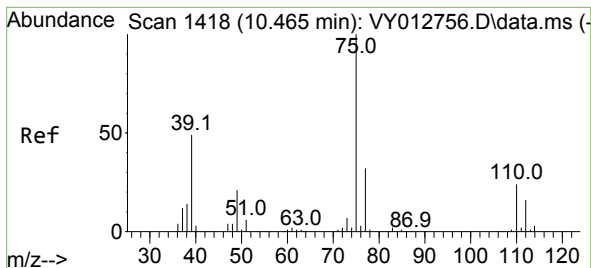
Tgt Ion: 43 Resp: 16753
Ion Ratio Lower Upper
43 100
58 37.0 29.8 44.6



#52
Toluene
Concen: 4.354 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 92 Resp: 11463
Ion Ratio Lower Upper
92 100
91 173.2 141.3 211.9

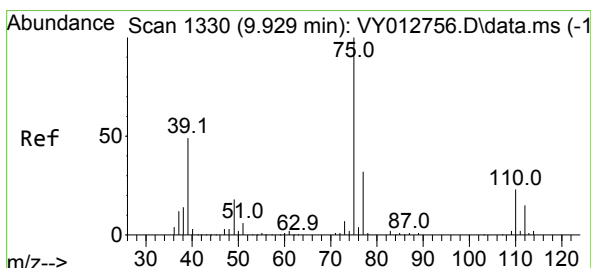
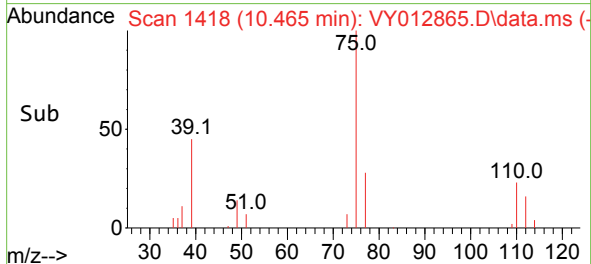
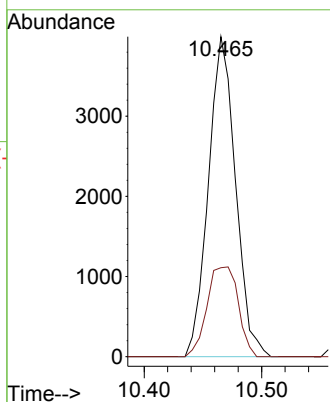
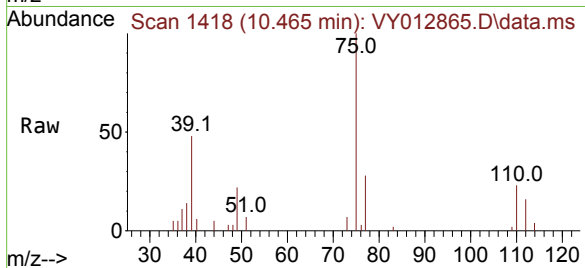




#53
 t-1,3-Dichloropropene
 Concen: 4.127 ug/l
 RT: 10.465 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

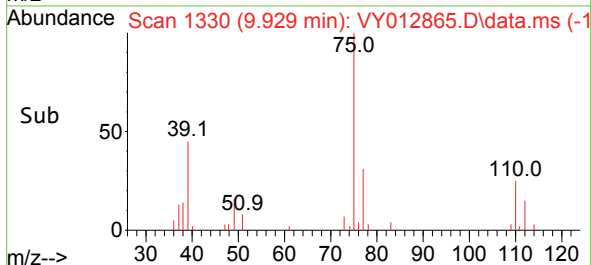
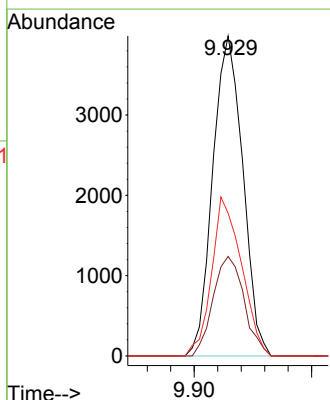
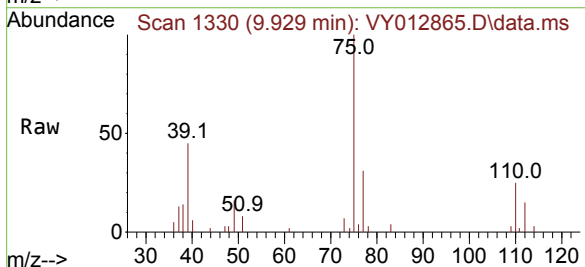
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

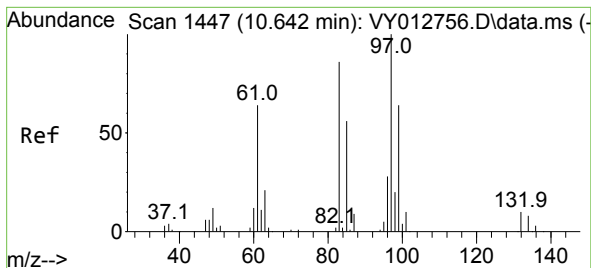
Tgt Ion: 75 Resp: 6412
 Ion Ratio Lower Upper
 75 100
 77 27.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 4.018 ug/l
 RT: 9.929 min Scan# 1330
 Delta R.T. -0.000 min
 Lab File: VY012865.D
 Acq: 08 Mar 2023 12:54

Tgt Ion: 75 Resp: 7066
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.4 38.0
 39 44.6 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 4.489 ug/l

RT: 10.648 min Scan# 1447

Delta R.T. 0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion: 97 Resp: 3930

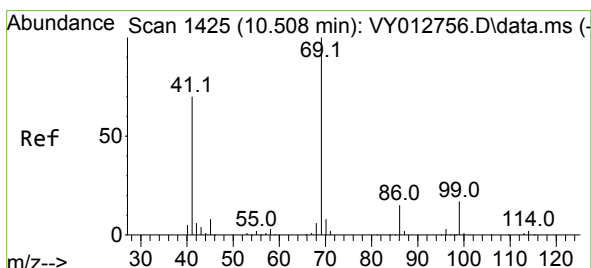
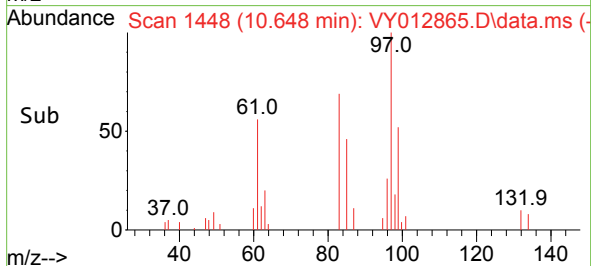
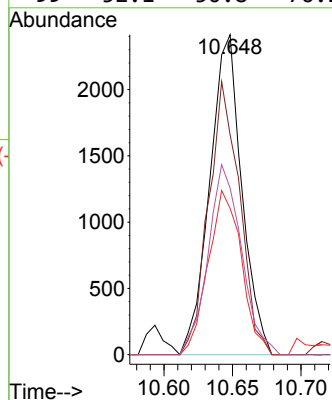
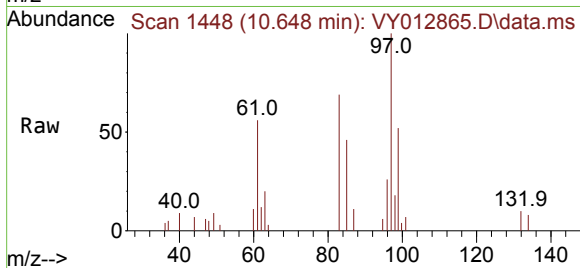
Ion Ratio Lower Upper

97 100

83 68.7 69.0 103.6#

85 45.7 44.9 67.3

99 52.1 50.8 76.2



#56

Ethyl methacrylate

Concen: 3.581 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

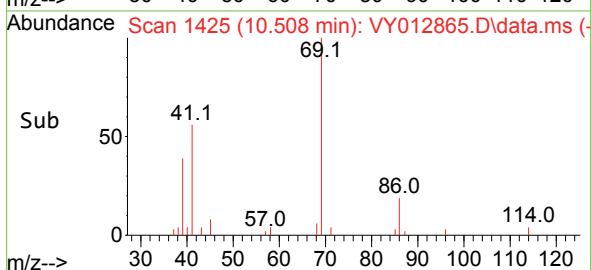
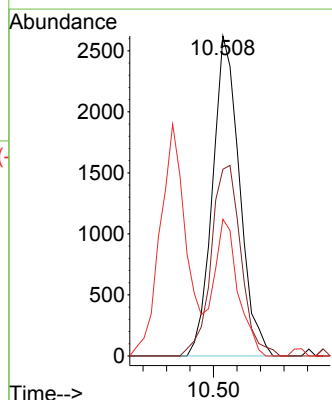
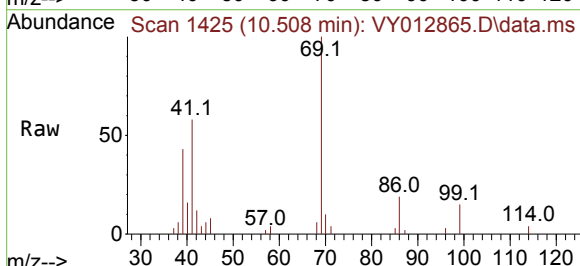
Tgt Ion: 69 Resp: 4180

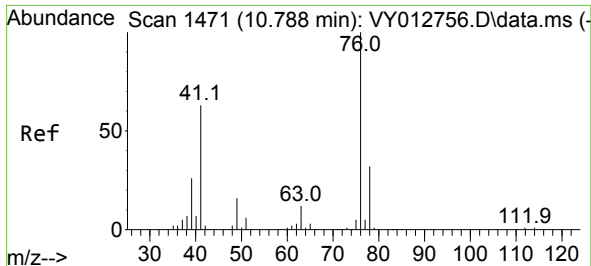
Ion Ratio Lower Upper

69 100

41 65.9 56.4 84.6

39 38.4 30.8 46.2





#57

1,3-Dichloropropane

Concen: 4.247 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

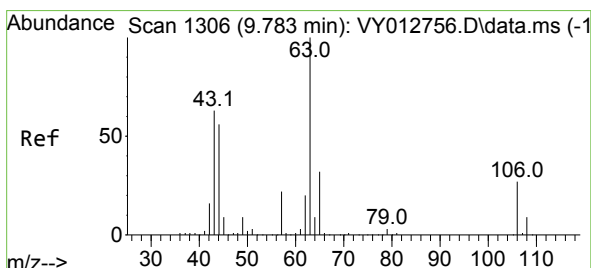
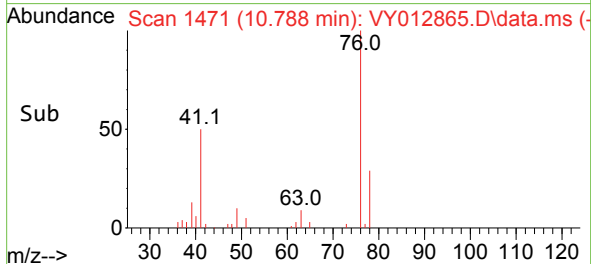
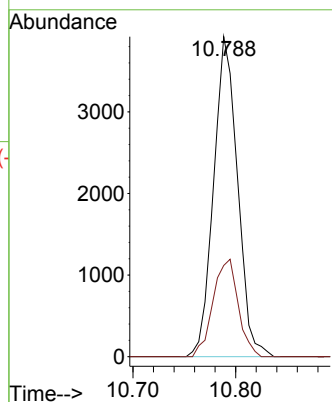
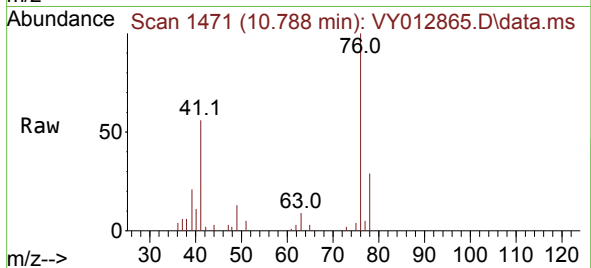
MDL-SOIL-03-QT1-2022

Tgt Ion: 76 Resp: 6332

Ion Ratio Lower Upper

76 100

78 32.0 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 17.175 ug/l

RT: 9.782 min Scan# 1306

Delta R.T. -0.000 min

Lab File: VY012865.D

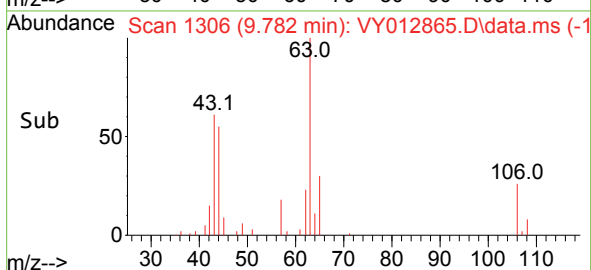
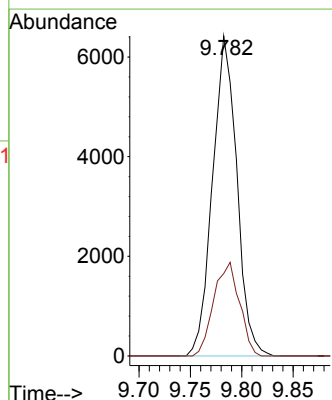
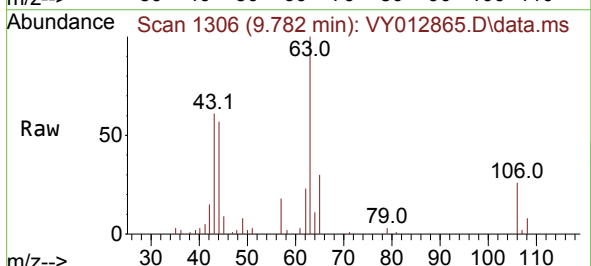
Acq: 08 Mar 2023 12:54

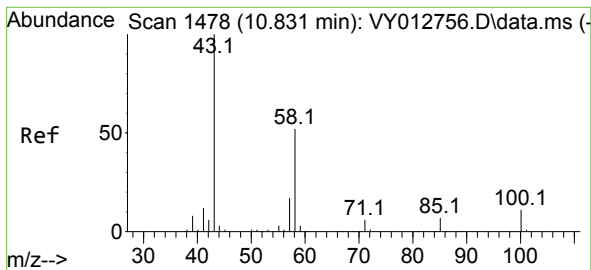
Tgt Ion: 63 Resp: 10524

Ion Ratio Lower Upper

63 100

106 31.0 22.1 33.1

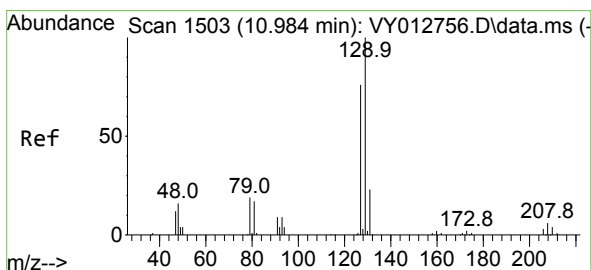
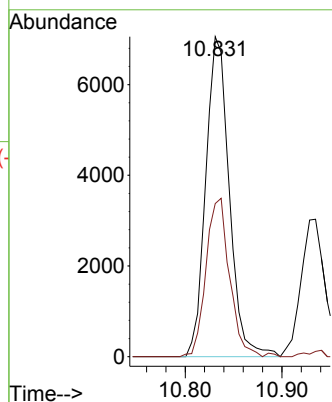
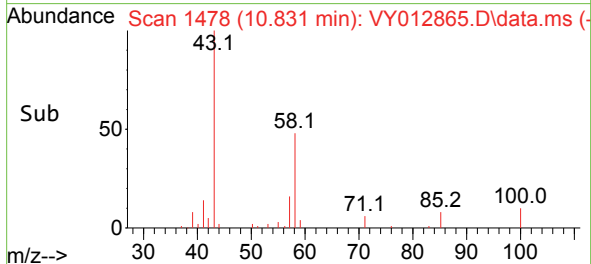
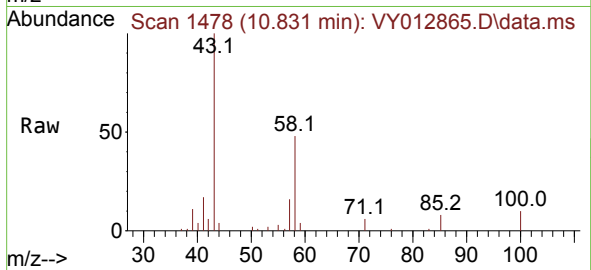




#59
2-Hexanone
Concen: 17.438 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

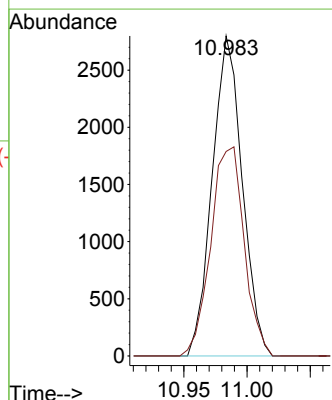
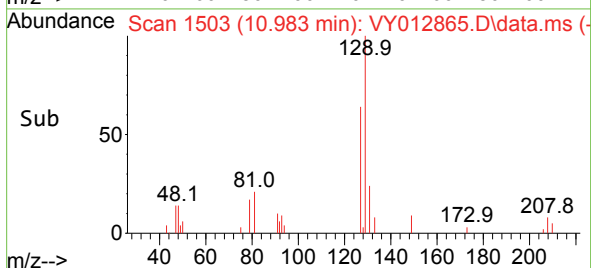
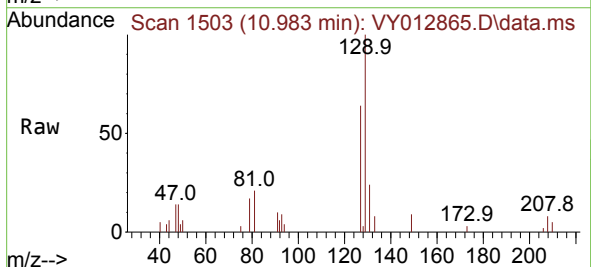
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

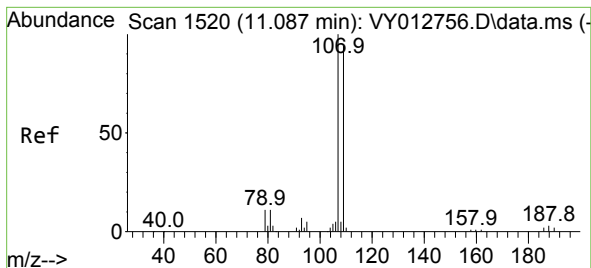
Tgt Ion: 43 Resp: 11931
Ion Ratio Lower Upper
43 100
58 49.3 25.9 77.8



#60
Dibromochloromethane
Concen: 4.333 ug/l
RT: 10.983 min Scan# 1503
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 129 Resp: 4617
Ion Ratio Lower Upper
129 100
127 72.7 38.7 116.1





#61

1,2-Dibromoethane

Concen: 4.135 ug/l

RT: 11.087 min Scan# 1520

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

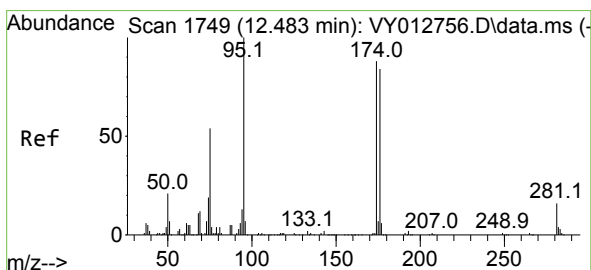
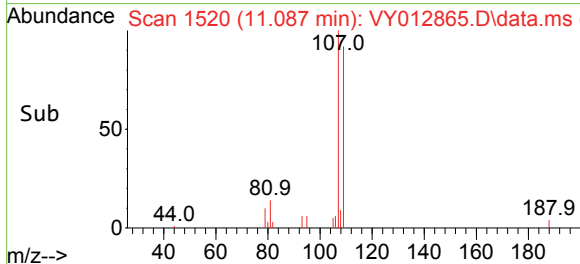
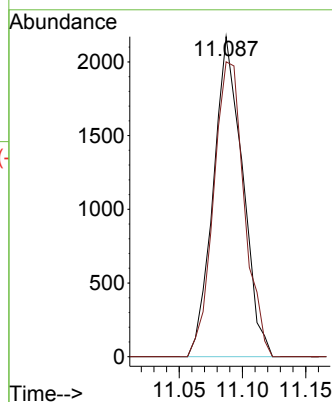
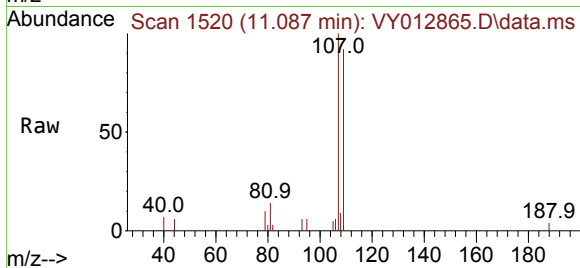
MDL-SOIL-03-QT1-2022

Tgt Ion:107 Resp: 3487

Ion Ratio Lower Upper

107 100

109 96.8 75.0 112.6



#62

4-Bromofluorobenzene

Concen: 44.606 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

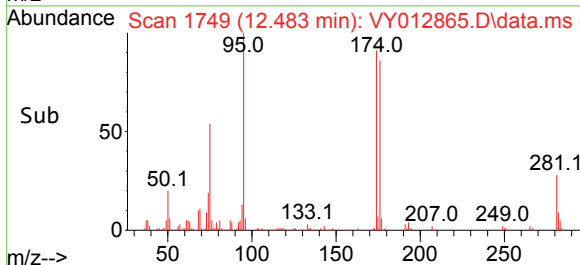
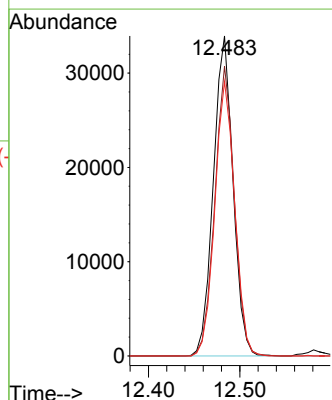
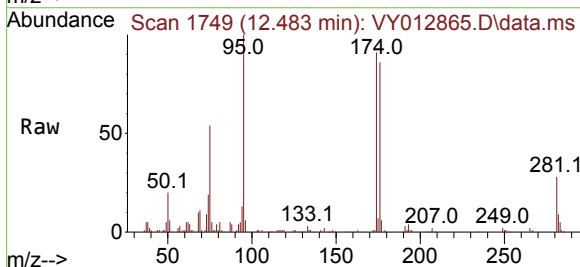
Tgt Ion: 95 Resp: 50691

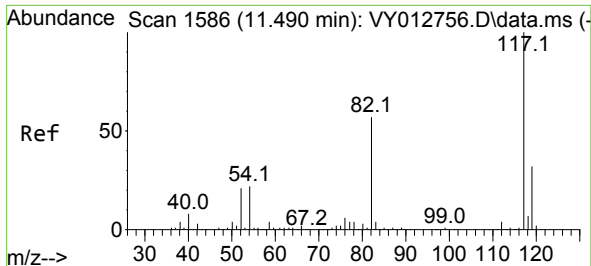
Ion Ratio Lower Upper

95 100

174 90.2 0.0 176.6

176 87.0 0.0 170.2

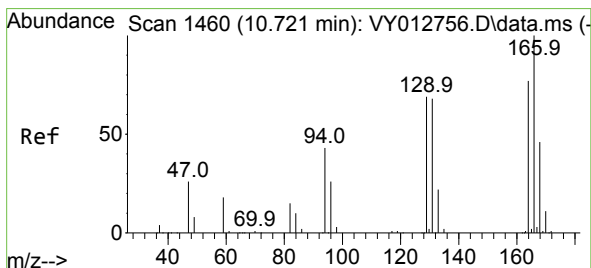
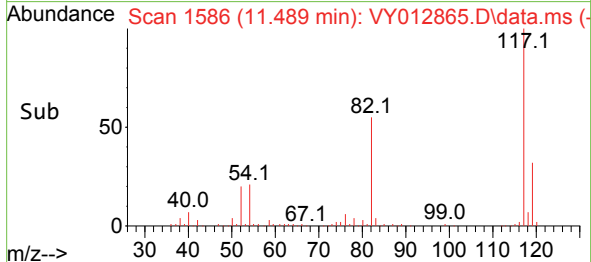
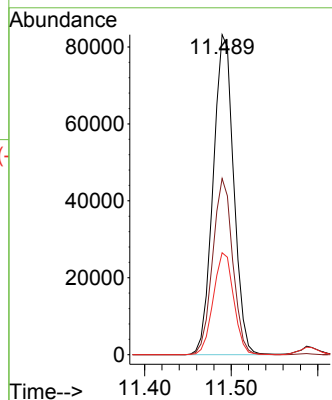
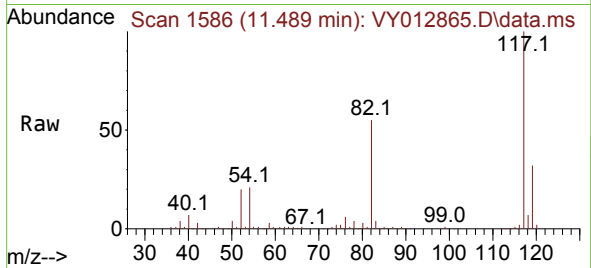




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

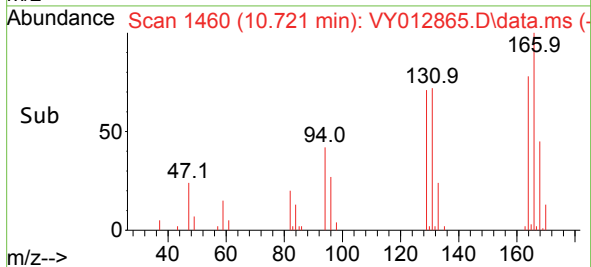
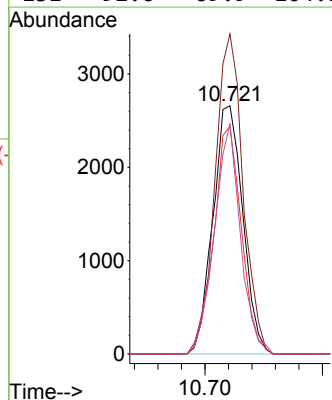
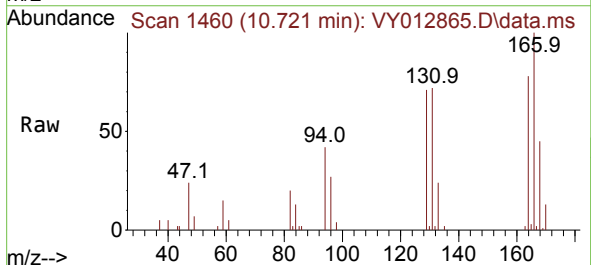
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

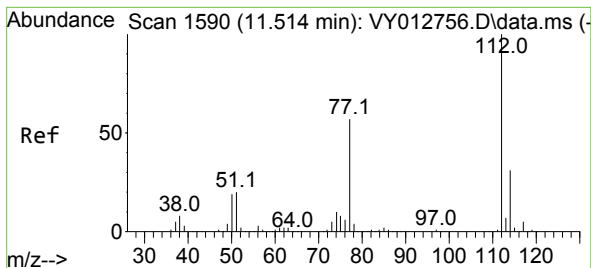
Tgt Ion:117 Resp: 137074
Ion Ratio Lower Upper
117 100
82 55.1 45.4 68.0
119 31.8 25.6 38.4



#64
Tetrachloroethene
Concen: 4.688 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:164 Resp: 4679
Ion Ratio Lower Upper
164 100
166 129.0 103.4 155.2
129 91.8 71.4 107.2
131 92.6 69.9 104.9





#65

Chlorobenzene

Concen: 4.282 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

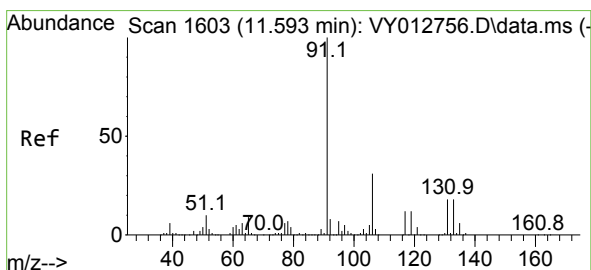
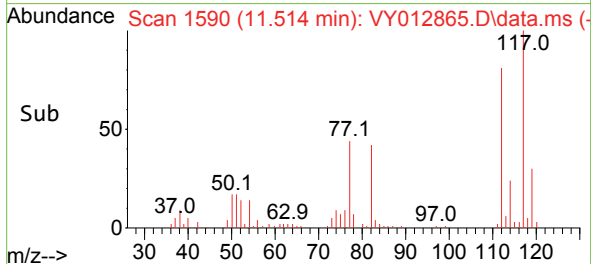
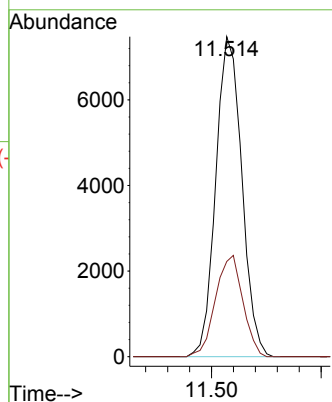
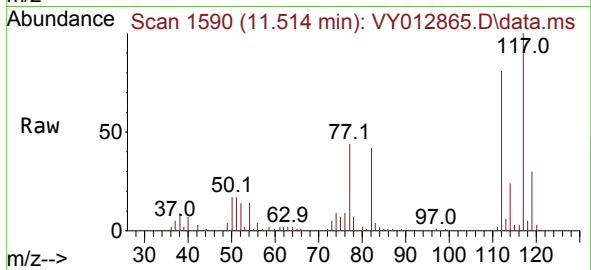
MDL-SOIL-03-QT1-2022

Tgt Ion:112 Resp: 12318

Ion Ratio Lower Upper

112 100

114 29.8 24.5 36.7



#66

1,1,1,2-Tetrachloroethane

Concen: 4.376 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

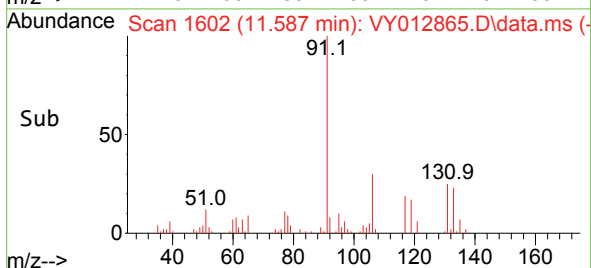
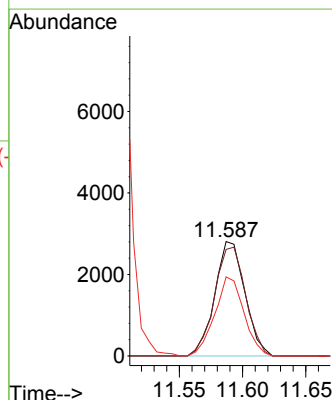
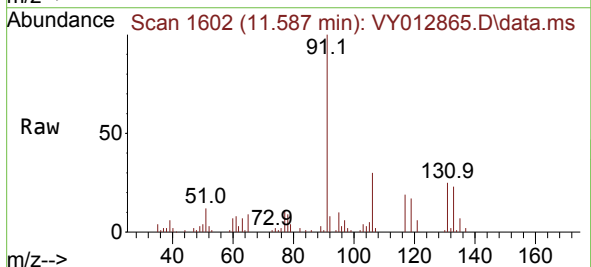
Tgt Ion:131 Resp: 4658

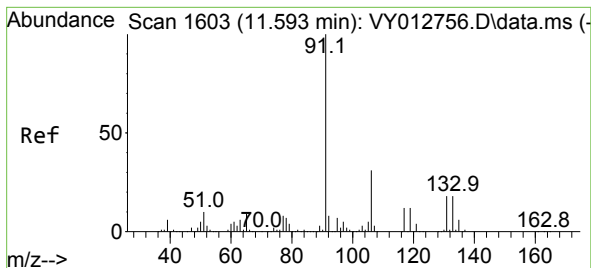
Ion Ratio Lower Upper

131 100

133 97.9 48.0 144.0

119 66.7 32.6 98.0





#67

Ethyl Benzene

Concen: 3.939 ug/l

RT: 11.593 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

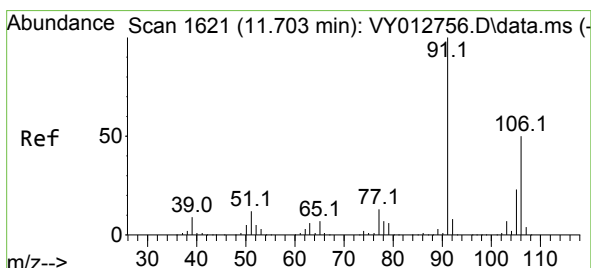
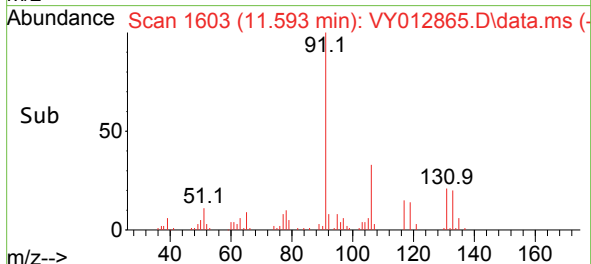
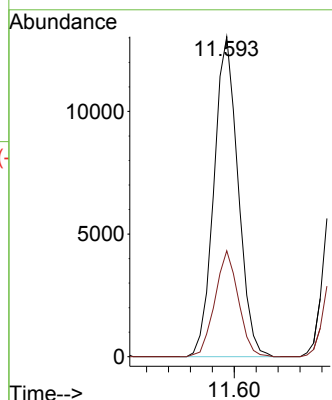
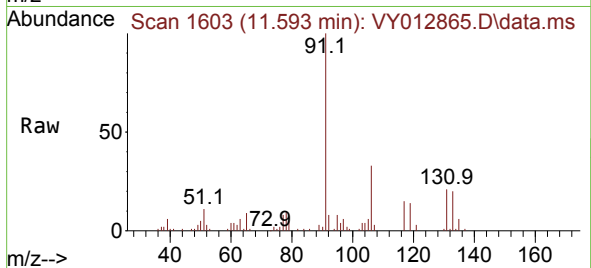
MDL-SOIL-03-QT1-2022

Tgt Ion: 91 Resp: 19923

Ion Ratio Lower Upper

91 100

106 33.1 25.1 37.7



#68

m/p-Xylenes

Concen: 7.646 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY012865.D

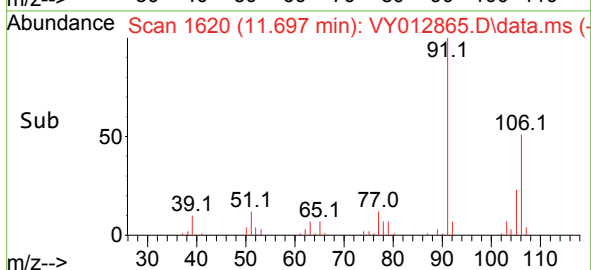
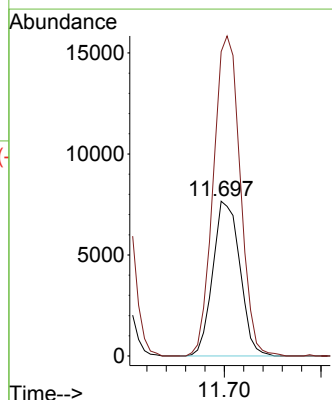
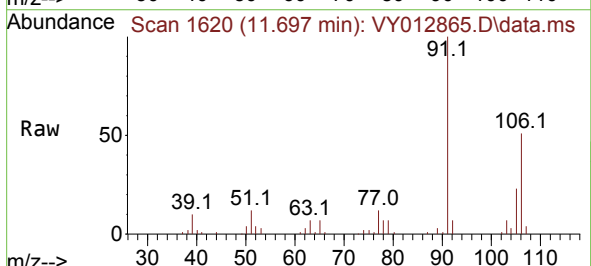
Acq: 08 Mar 2023 12:54

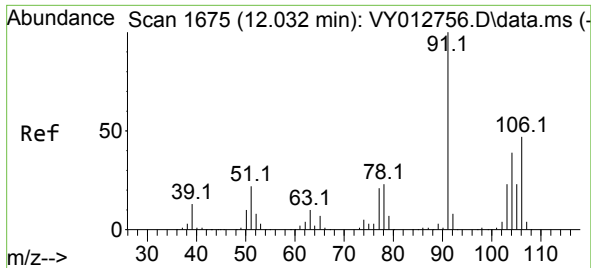
Tgt Ion: 106 Resp: 14877

Ion Ratio Lower Upper

106 100

91 205.5 159.8 239.8

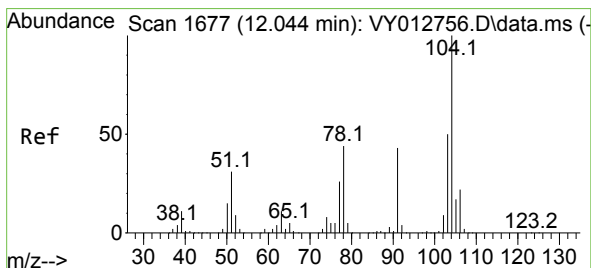
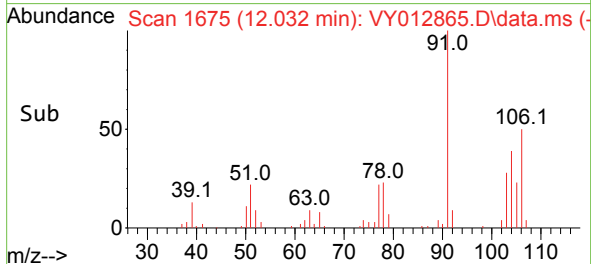
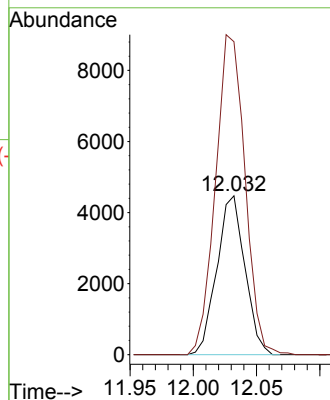
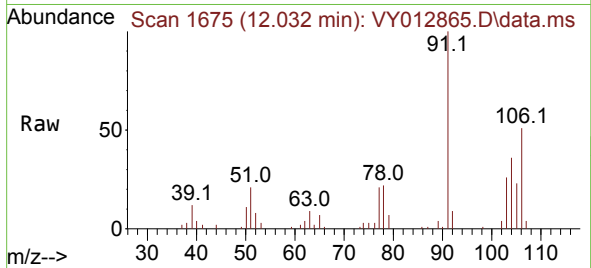




#69
o-Xylene
Concen: 3.795 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

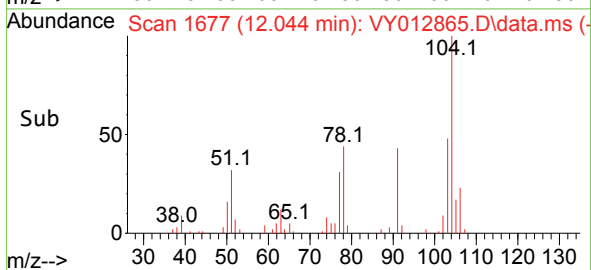
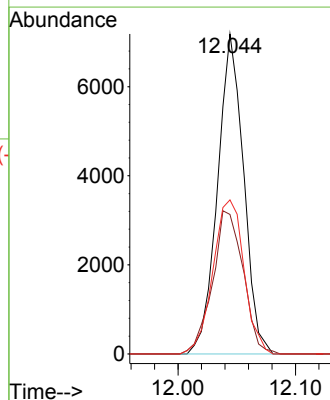
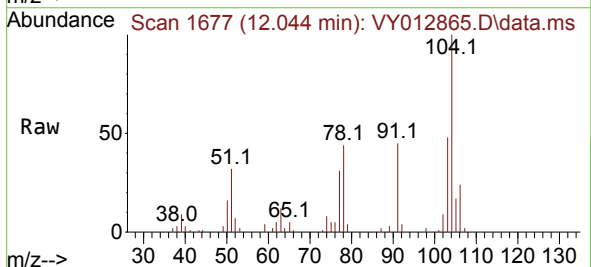
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

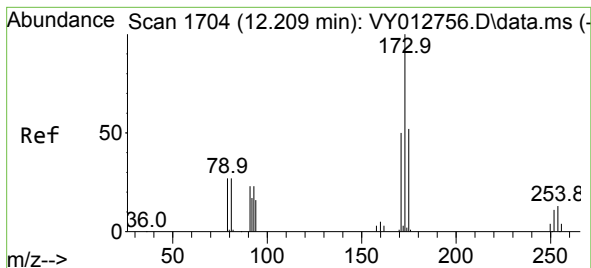
Tgt Ion:106 Resp: 6892
Ion Ratio Lower Upper
106 100
91 211.5 107.2 321.6



#70
Styrene
Concen: 3.652 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:104 Resp: 11067
Ion Ratio Lower Upper
104 100
78 52.5 39.2 58.8
103 57.3 43.7 65.5





#71

Bromoform

Concen: 4.465 ug/l

RT: 12.209 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

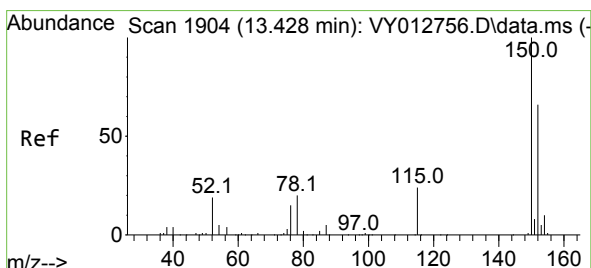
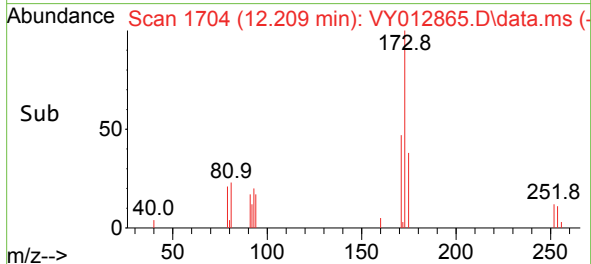
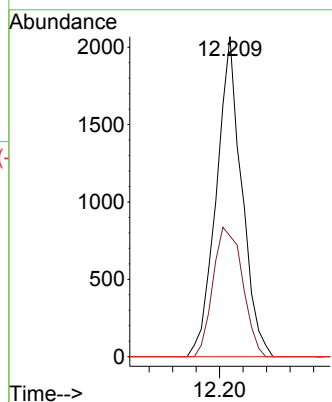
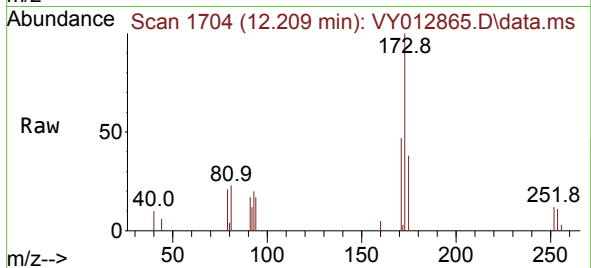
Tgt Ion:173 Resp: 3099

Ion Ratio Lower Upper

173 100

175 47.0 25.0 75.0

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

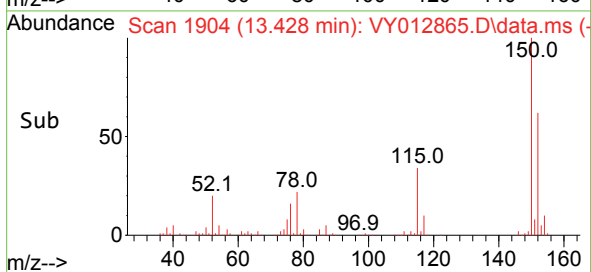
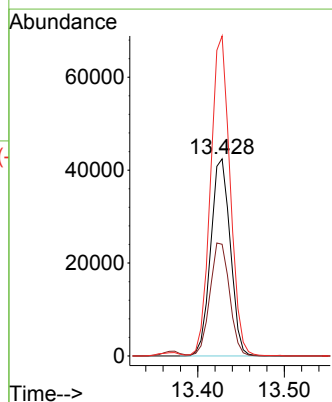
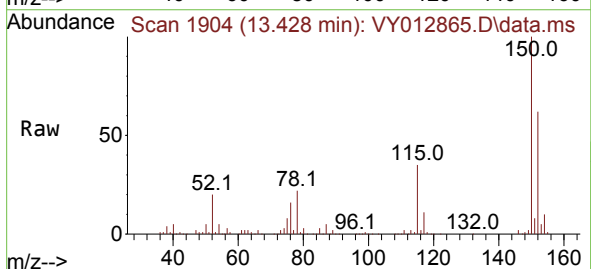
Tgt Ion:152 Resp: 66654

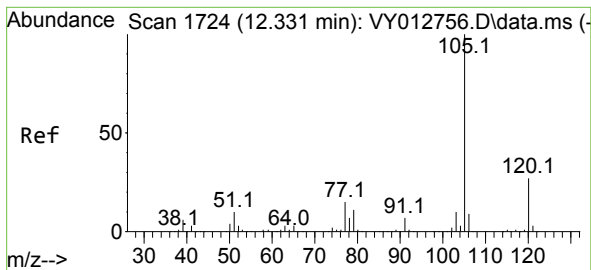
Ion Ratio Lower Upper

152 100

115 57.2 27.1 81.3

150 162.0 0.0 347.8





#73

Isopropylbenzene

Concen: 3.855 ug/l

RT: 12.331 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

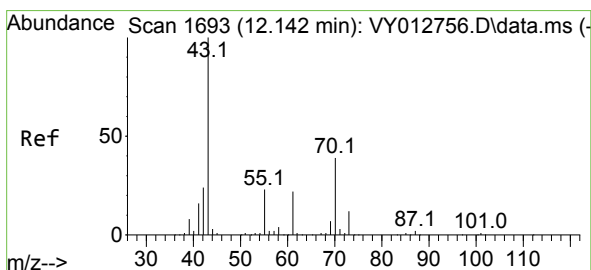
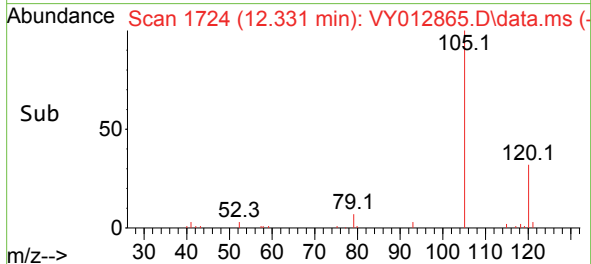
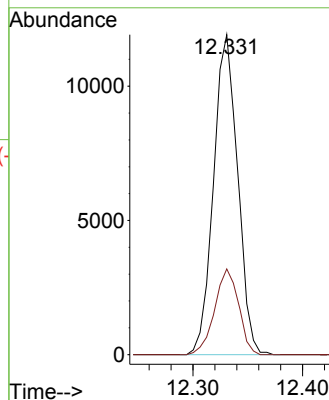
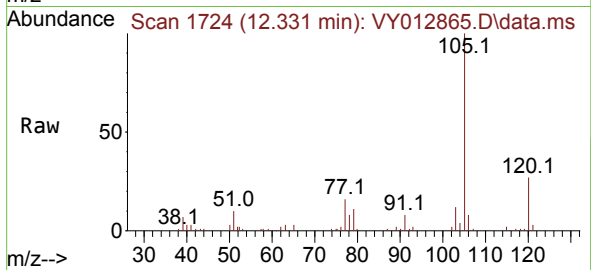
MDL-SOIL-03-QT1-2022

Tgt Ion:105 Resp: 18211

Ion Ratio Lower Upper

105 100

120 26.6 13.4 40.2



#74

N-ethyl acetate

Concen: 3.431 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion: 43 Resp: 5099

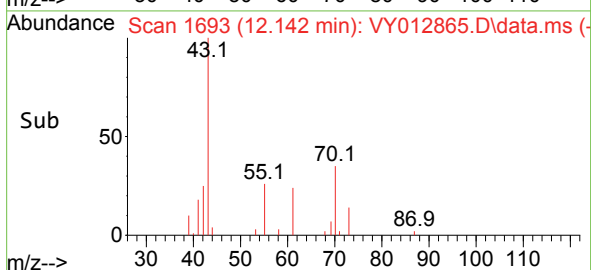
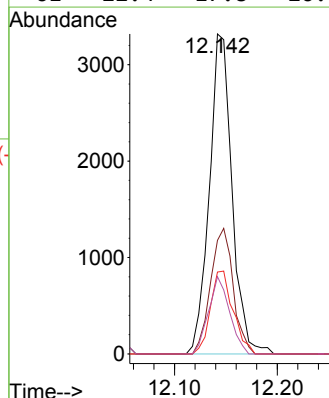
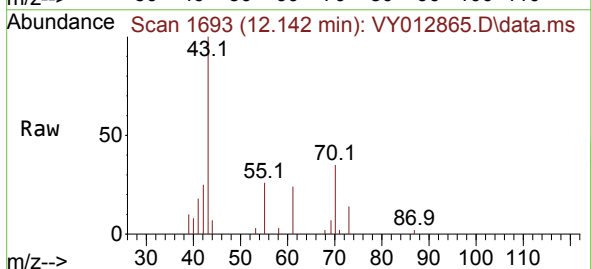
Ion Ratio Lower Upper

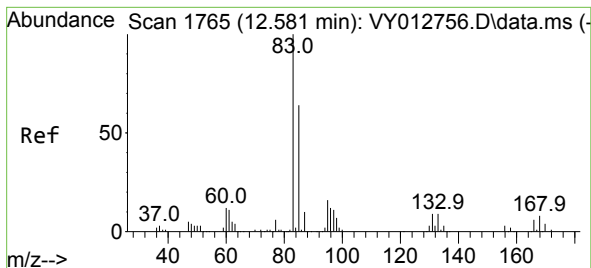
43 100

70 39.0 31.6 47.4

55 25.9 18.8 28.2

61 22.4 17.8 26.8

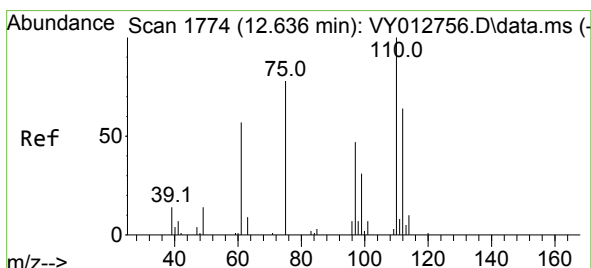
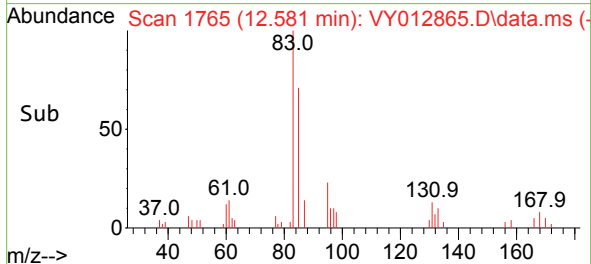
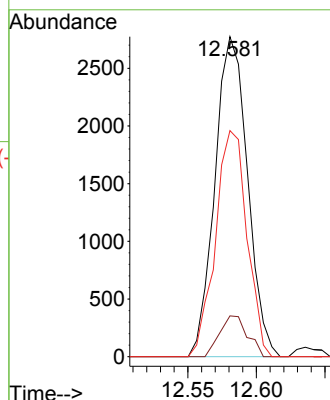
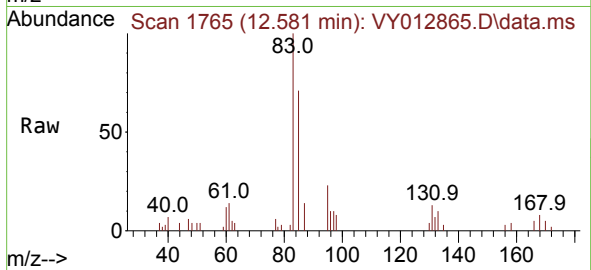




#75
1,1,2,2-Tetrachloroethane
Concen: 4.326 ug/l
RT: 12.581 min Scan# 1765
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

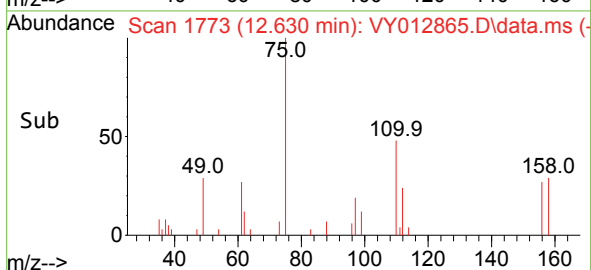
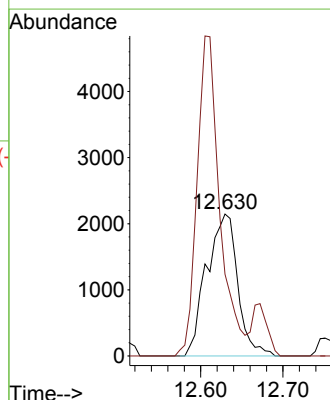
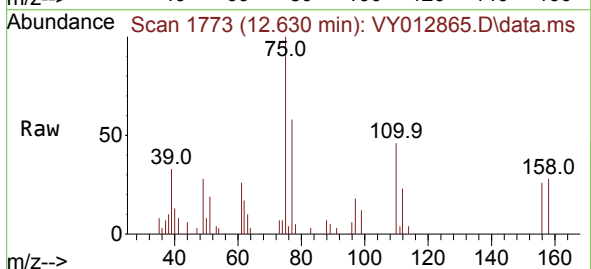
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

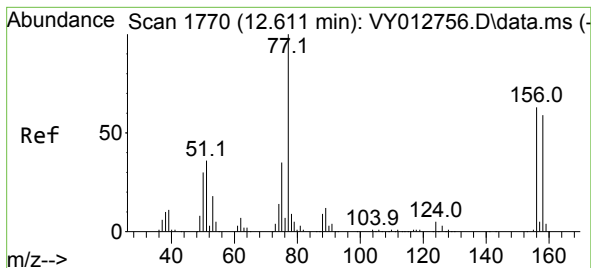
Tgt Ion: 83 Resp: 4594
Ion Ratio Lower Upper
83 100
131 10.8 5.1 15.2
85 68.1 31.8 95.3



#76
1,2,3-Trichloropropane
Concen: 7.075 ug/l
RT: 12.630 min Scan# 1773
Delta R.T. -0.006 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 75 Resp: 5631
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 4.415 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. -0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

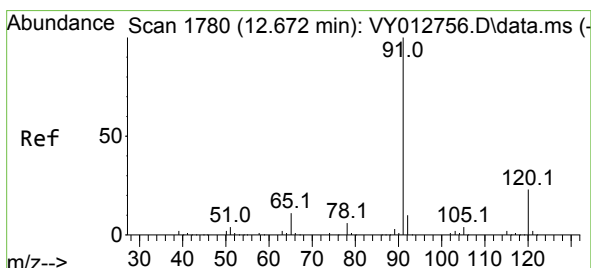
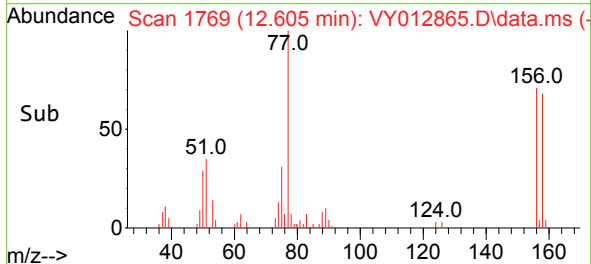
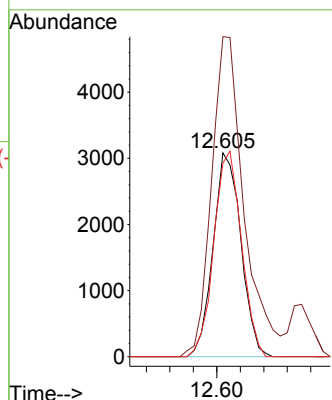
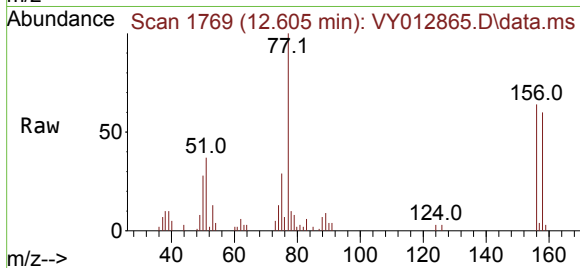
Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:	156	Resp:	5066
Ion	Ratio	Lower	Upper
156	100		
77	182.5	94.0	282.1
158	100.2	48.1	144.4



#78

n-propylbenzene

Concen: 4.189 ug/l

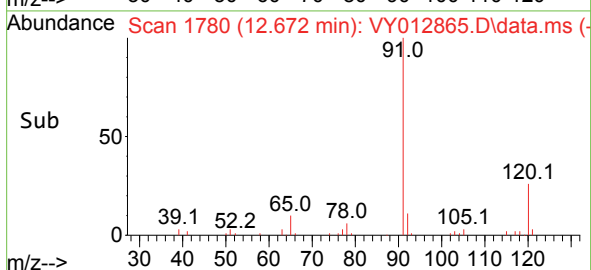
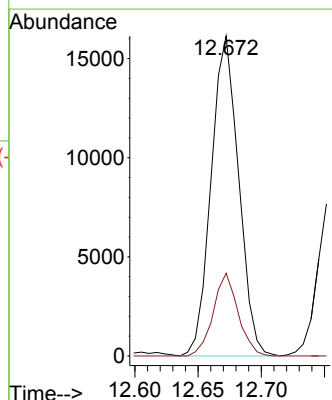
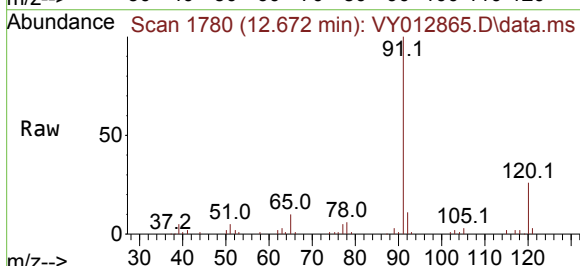
RT: 12.672 min Scan# 1780

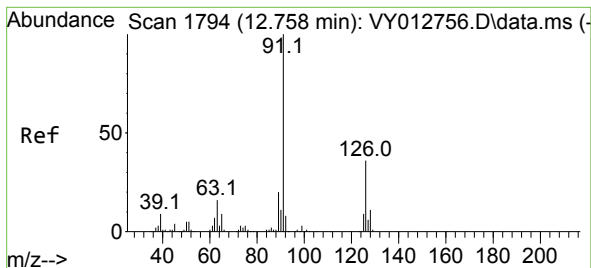
Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion:	91	Resp:	24395
Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.6	34.8





#79

2-Chlorotoluene

Concen: 4.128 ug/l

RT: 12.758 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

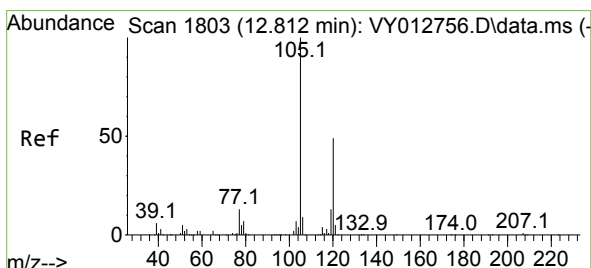
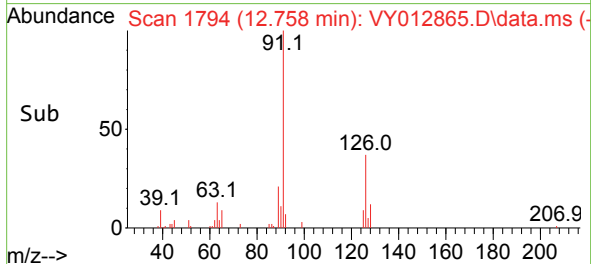
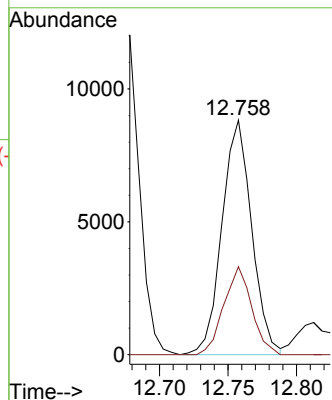
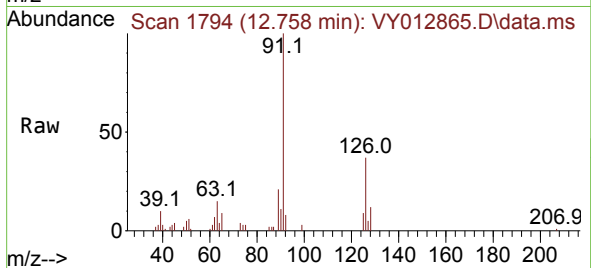
MDL-SOIL-03-QT1-2022

Tgt Ion: 91 Resp: 13363

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 3.941 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY012865.D

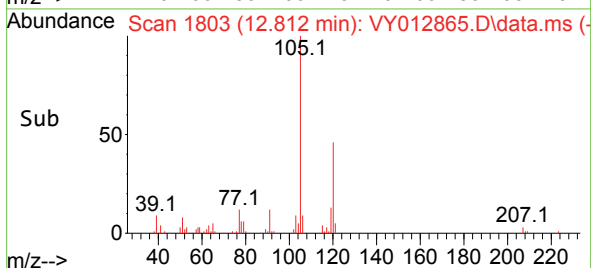
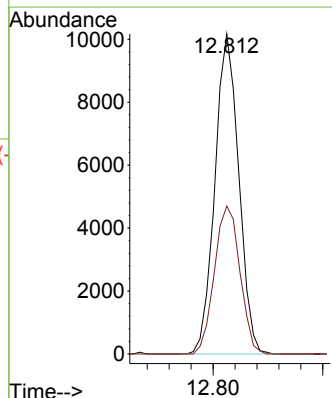
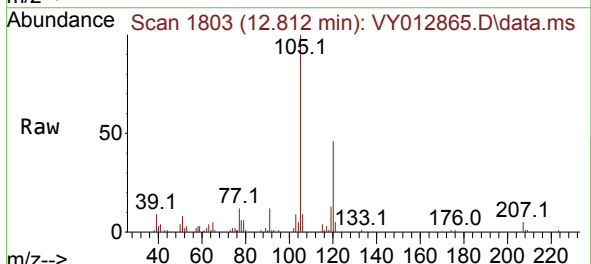
Acq: 08 Mar 2023 12:54

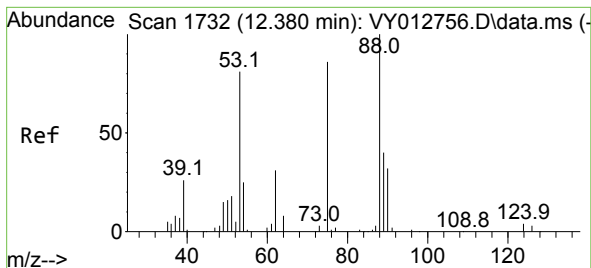
Tgt Ion: 105 Resp: 15364

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.4

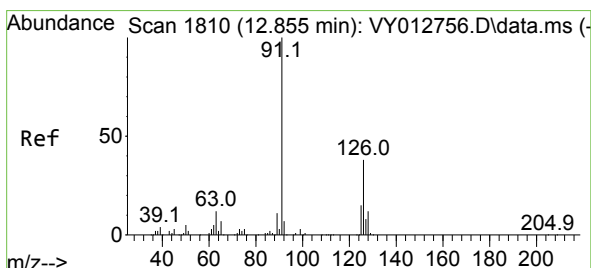
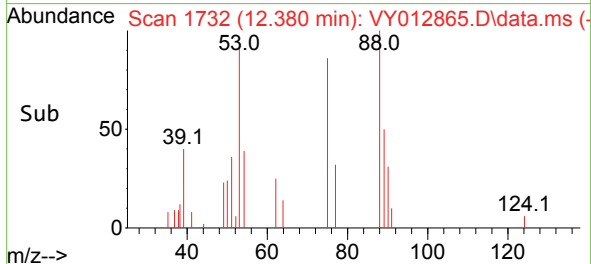
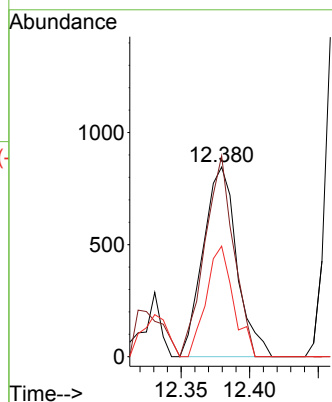
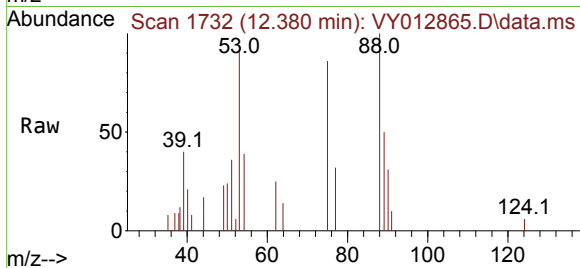




#81
trans-1,4-Dichloro-2-butene
Concen: 3.772 ug/l
RT: 12.380 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

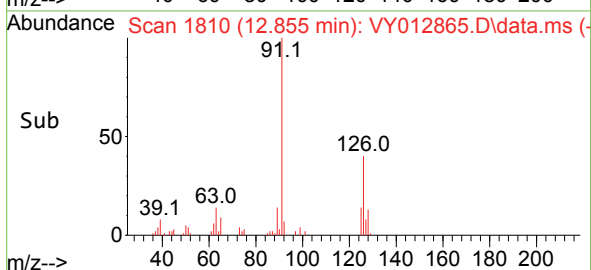
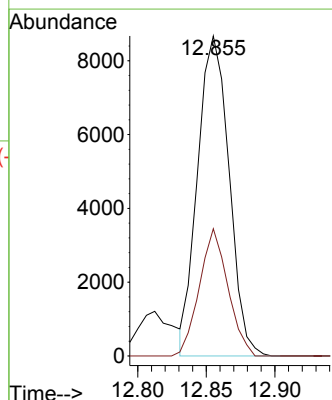
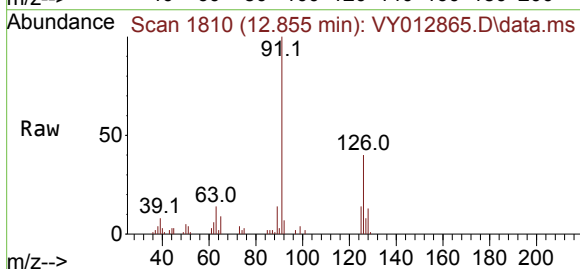
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

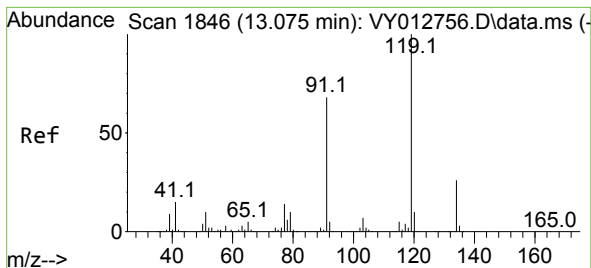
Tgt Ion:	75	Resp:	1449
Ion	Ratio	Lower	Upper
75	100		
53	91.0	73.4	110.0
89	46.9	36.6	55.0



#82
4-Chlorotoluene
Concen: 4.120 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion:	91	Resp:	13805
Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.7	53.1





#83

tert-Butylbenzene

Concen: 3.821 ug/l

RT: 13.075 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

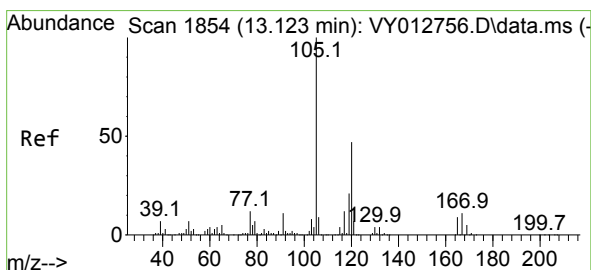
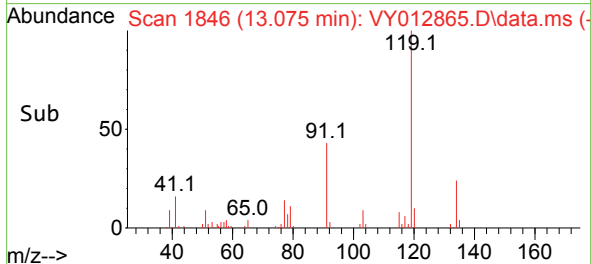
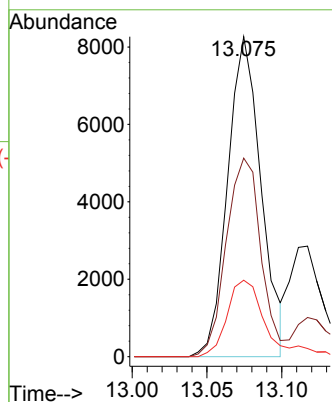
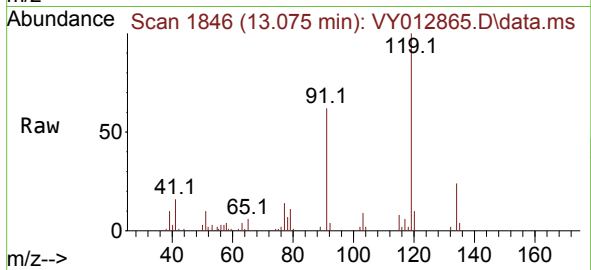
Tgt Ion:119 Resp: 12857

Ion Ratio Lower Upper

119 100

91 64.1 32.8 98.3

134 27.5 13.6 40.8



#84

1,2,4-Trimethylbenzene

Concen: 3.729 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY012865.D

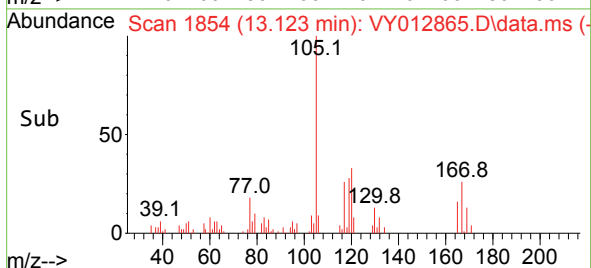
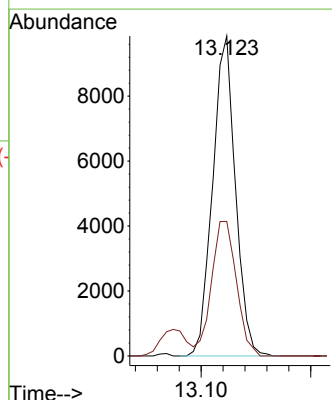
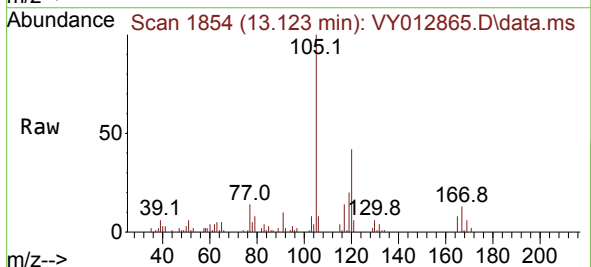
Acq: 08 Mar 2023 12:54

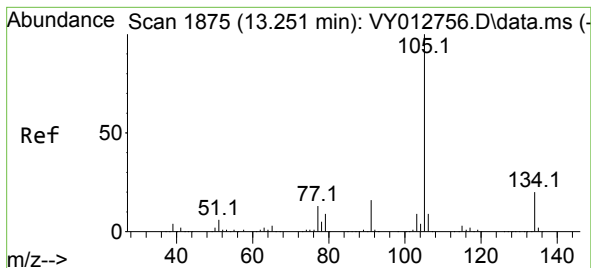
Tgt Ion:105 Resp: 14215

Ion Ratio Lower Upper

105 100

120 46.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 3.939 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

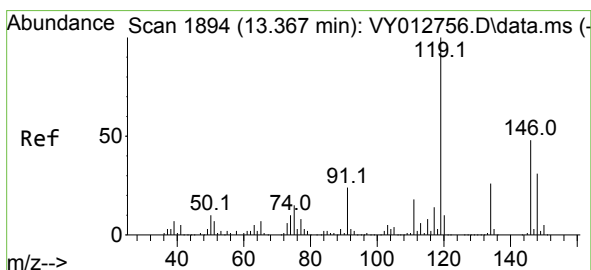
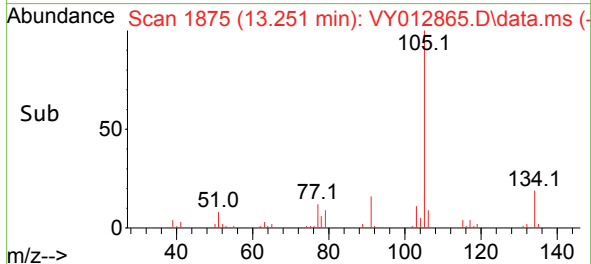
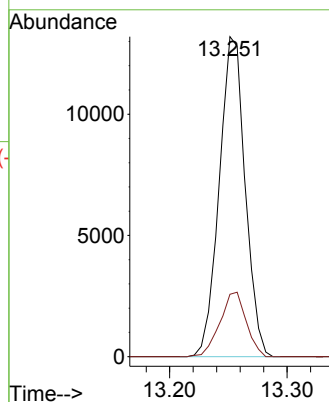
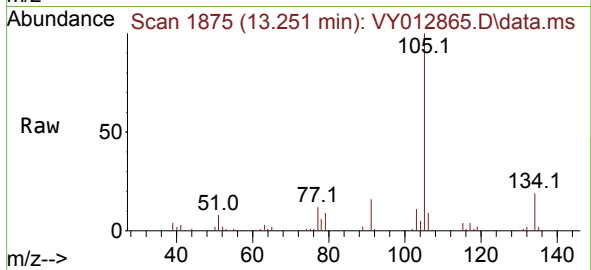
MDL-SOIL-03-QT1-2022

Tgt Ion:105 Resp: 20218

Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1



#86

p-Isopropyltoluene

Concen: 3.749 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

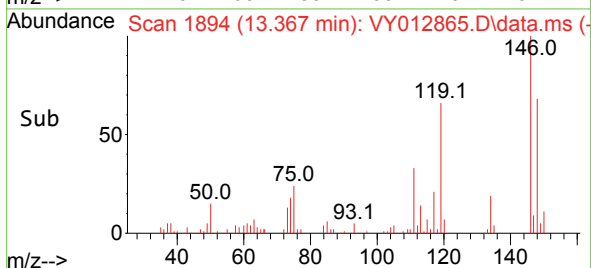
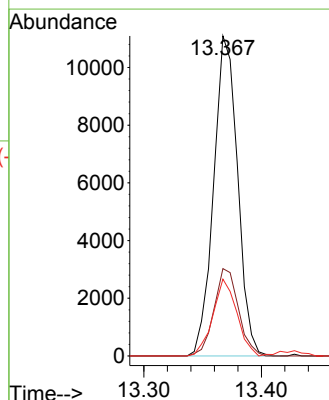
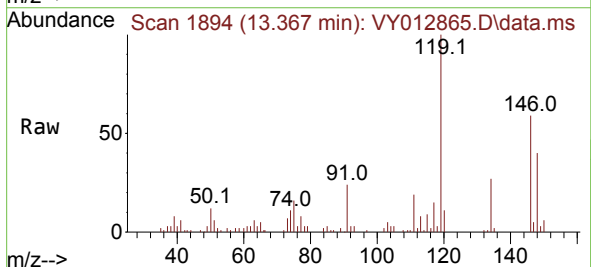
Tgt Ion:119 Resp: 15729

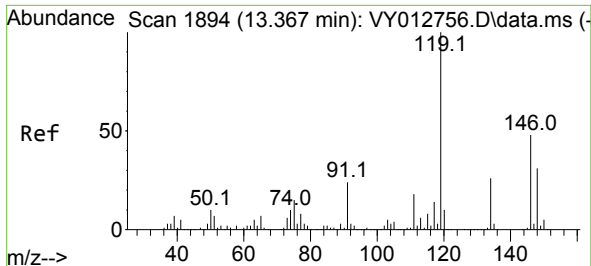
Ion Ratio Lower Upper

119 100

134 27.8 13.2 39.6

91 24.2 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 4.457 ug/l

RT: 13.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

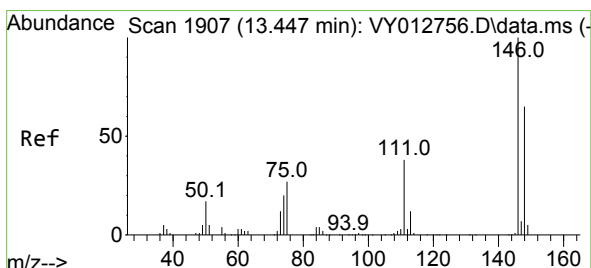
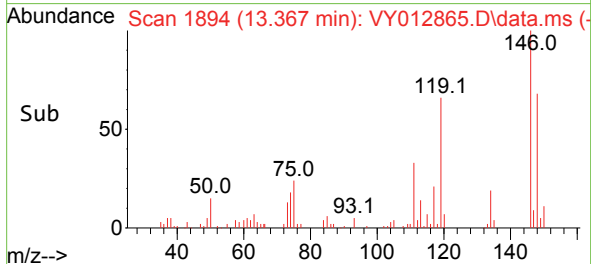
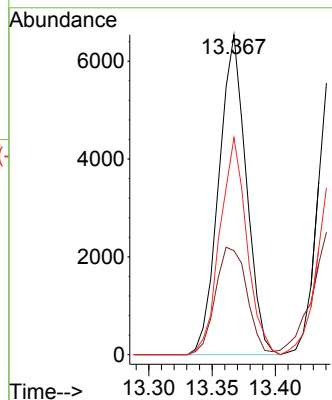
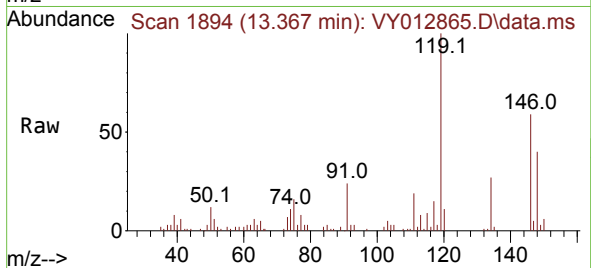
Tgt Ion:146 Resp: 9865

Ion Ratio Lower Upper

146 100

111 38.7 19.1 57.5

148 66.6 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 4.535 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

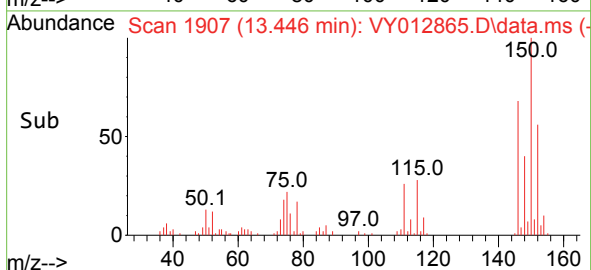
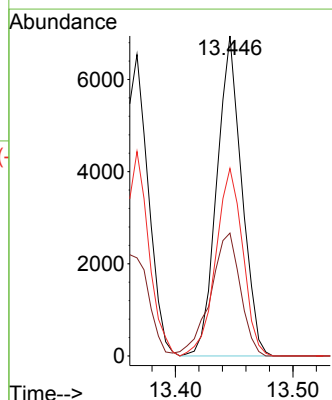
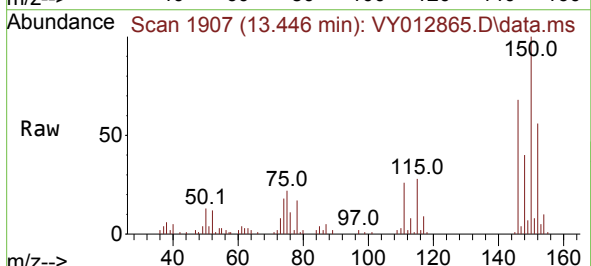
Tgt Ion:146 Resp: 10243

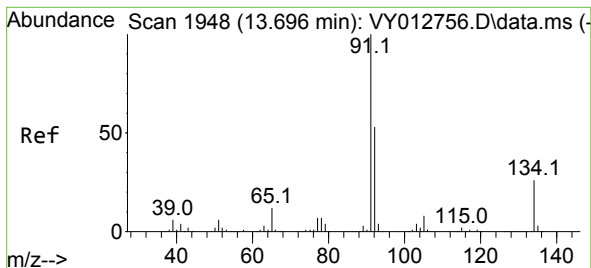
Ion Ratio Lower Upper

146 100

111 46.2 18.6 55.8

148 63.5 31.5 94.5





#89

n-Butylbenzene

Concen: 3.666 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

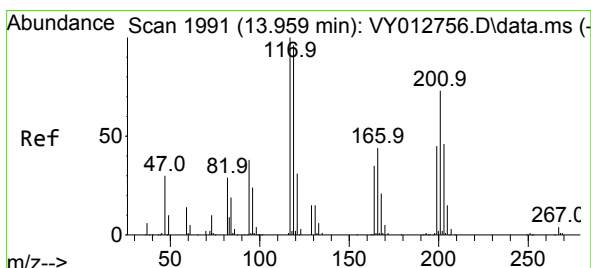
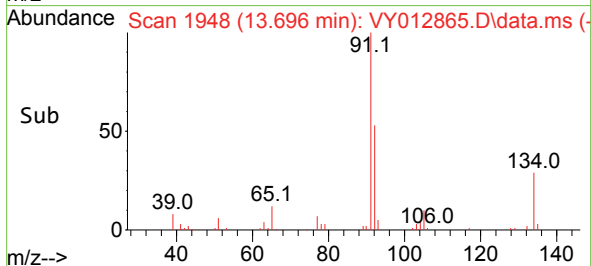
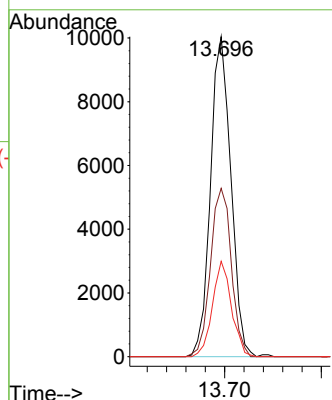
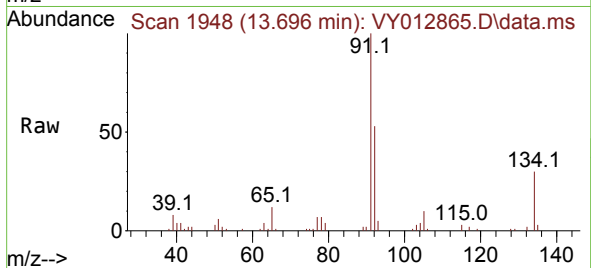
Tgt Ion: 91 Resp: 14724

Ion Ratio Lower Upper

91 100

92 53.8 26.4 79.0

134 27.8 13.0 38.9



#90

Hexachloroethane

Concen: 4.396 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. -0.000 min

Lab File: VY012865.D

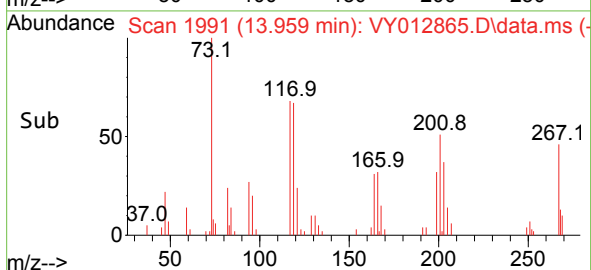
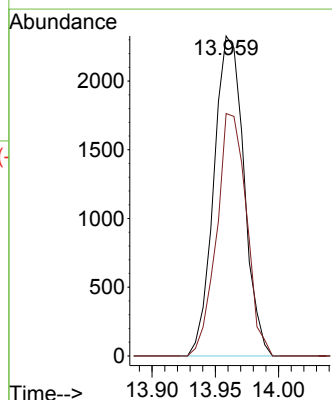
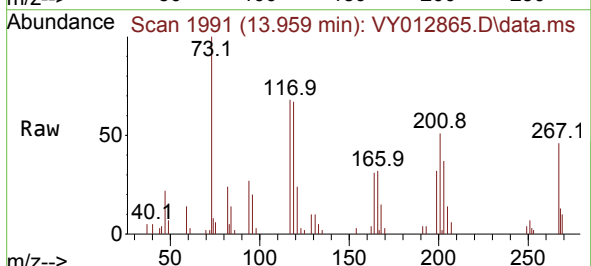
Acq: 08 Mar 2023 12:54

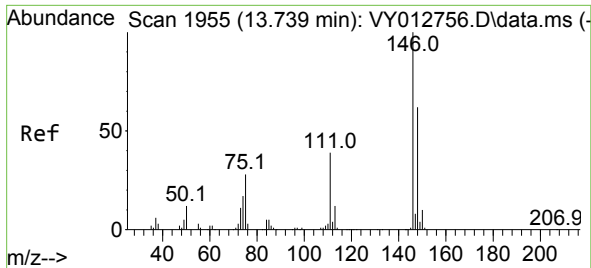
Tgt Ion: 117 Resp: 3841

Ion Ratio Lower Upper

117 100

201 75.1 39.4 118.1

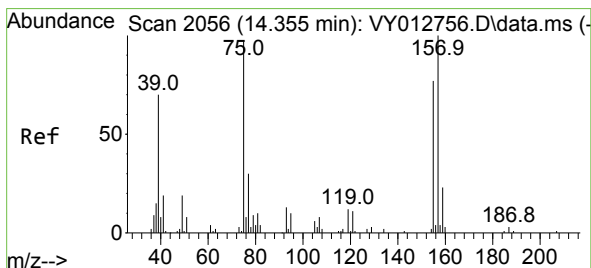
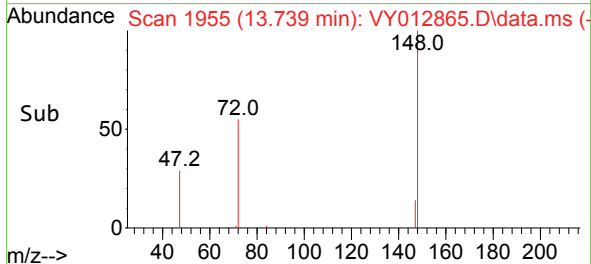
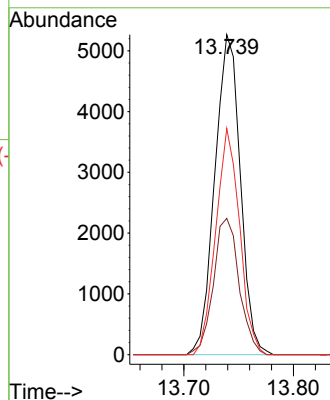
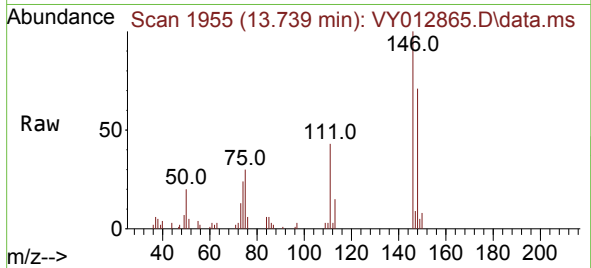




#91
1,2-Dichlorobenzene
Concen: 4.257 ug/l
RT: 13.739 min Scan# 1955
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

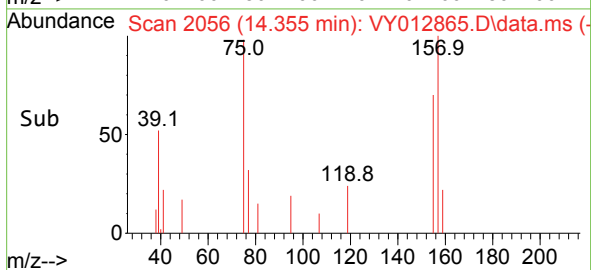
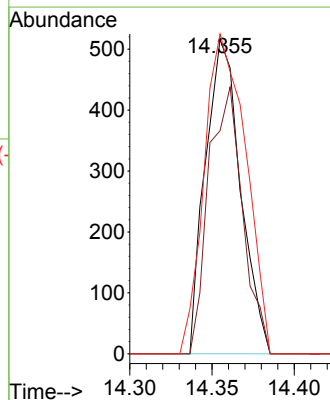
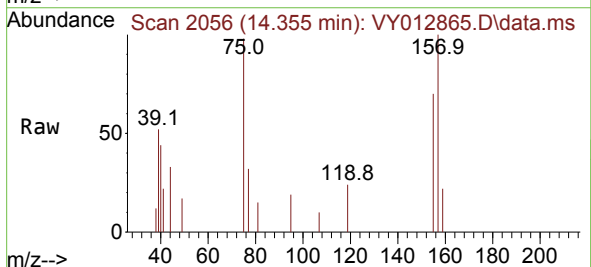
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022

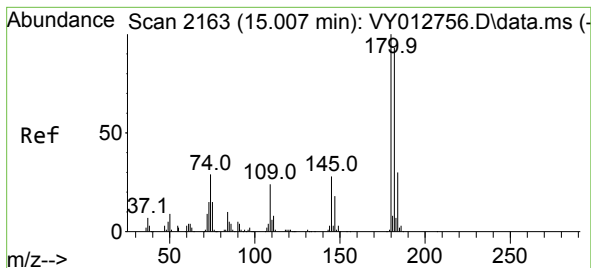
Tgt Ion:146	Resp:	8517
Ion Ratio	Lower	Upper
146	100	
111	43.0	19.7 59.1
148	66.1	31.9 95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.458 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VY012865.D
Acq: 08 Mar 2023 12:54

Tgt Ion: 75	Resp:	765
Ion Ratio	Lower	Upper
75	100	
155	82.1	43.8 131.4
157	120.5	54.1 162.3





#93

1,2,4-Trichlorobenzene

Concen: 3.957 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY012865.D

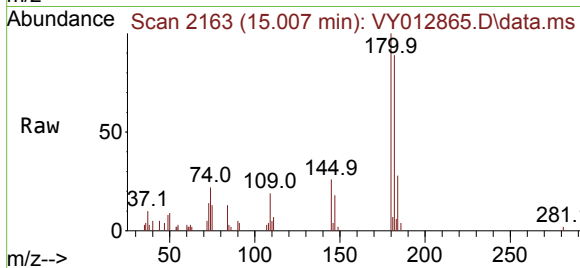
Acq: 08 Mar 2023 12:54

Instrument :

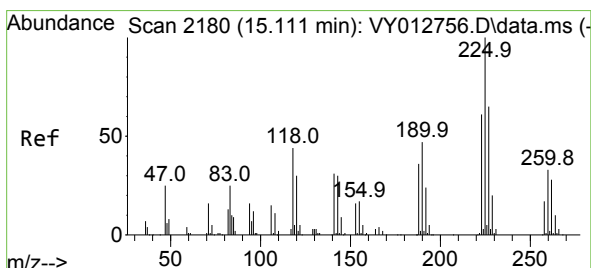
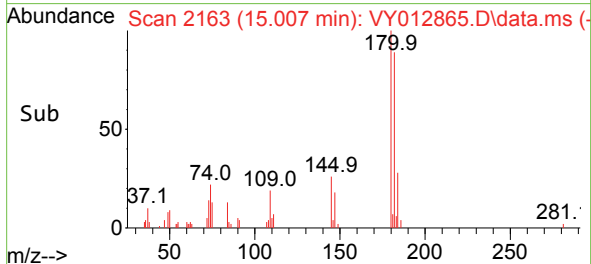
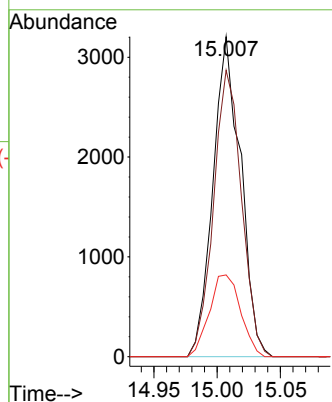
MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022



Tgt Ion:	180	Resp:	4875
Ion	Ratio	Lower	Upper
180	100		
182	90.4	46.7	140.1
145	28.8	14.6	43.8



#94

Hexachlorobutadiene

Concen: 4.492 ug/l

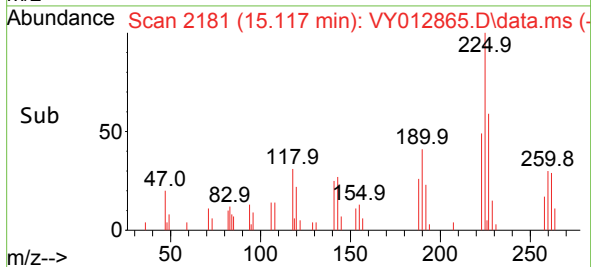
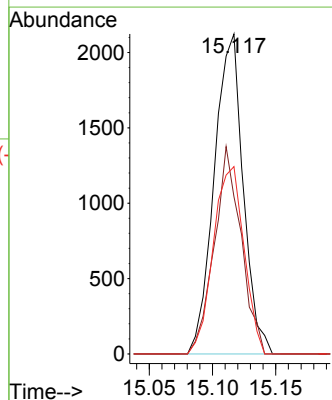
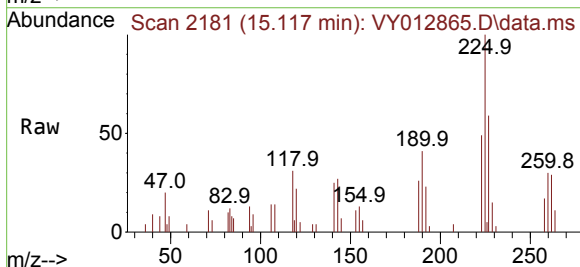
RT: 15.117 min Scan# 2181

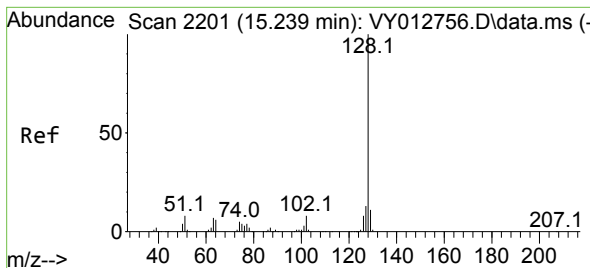
Delta R.T. 0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion:	225	Resp:	3375
Ion	Ratio	Lower	Upper
225	100		
223	60.0	31.1	93.3
227	62.2	32.4	97.0





#95

Naphthalene

Concen: 3.347 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

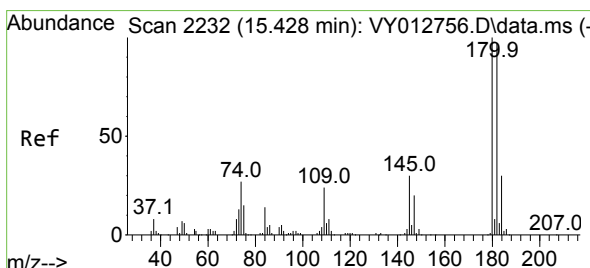
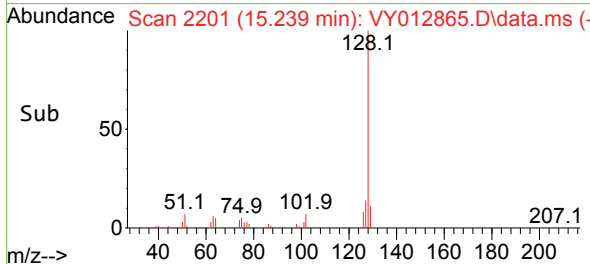
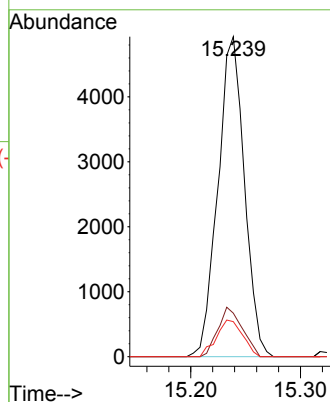
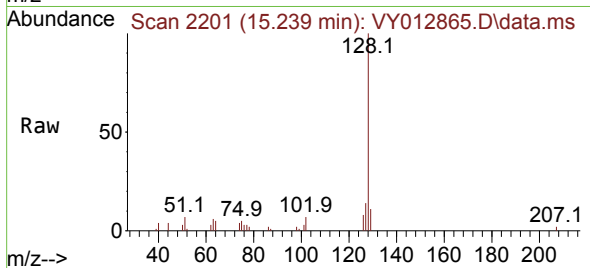
Tgt Ion:128 Resp: 8262

Ion Ratio Lower Upper

128 100

127 14.3 10.3 15.5

129 11.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 3.680 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.006 min

Lab File: VY012865.D

Acq: 08 Mar 2023 12:54

Tgt Ion:180 Resp: 4032

Ion Ratio Lower Upper

180 100

182 99.2 47.4 142.3

145 31.3 15.3 45.8

