

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012864.D
 Acq On : 08 Mar 2023 12:31
 Operator : KP/MD
 Sample : 01627-03 2.5PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Mar 09 00:34:15 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	97020	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	155219	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	138334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68869	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	47434	49.242	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.480%
35) Dibromofluoromethane	7.716	113	45595	48.674	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.340%
50) Toluene-d8	10.179	98	152460	44.520	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	89.040%
62) 4-Bromofluorobenzene	12.483	95	51745	44.767	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	89.540%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.906	85	2632	2.752	ug/l	93
3) Chloromethane	2.113	50	3370	2.948	ug/l #	82
4) Vinyl Chloride	2.253	62	3151	3.006	ug/l	91
5) Bromomethane	2.650	94	2154	3.381	ug/l	89
6) Chloroethane	2.802	64	1941	3.092	ug/l	93
7) Trichlorofluoromethane	3.125	101	5136	2.950	ug/l	90
8) Diethyl Ether	3.534	74	1720	2.819	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.905	101	3043	2.905	ug/l	95
10) Methyl Iodide	4.088	142	3511	2.572	ug/l	97
11) Tert butyl alcohol	4.942	59	4096	18.292	ug/l #	79
12) 1,1-Dichloroethene	3.869	96	2777	2.780	ug/l	83
13) Acrolein	3.741	56	2449	14.511	ug/l	89
14) Allyl chloride	4.472	41	4174	2.262	ug/l	92
15) Acrylonitrile	5.161	53	4600	14.308	ug/l	97
16) Acetone	3.948	43	6483	17.146	ug/l	96
17) Carbon Disulfide	4.192	76	9010	2.649	ug/l	98
18) Methyl Acetate	4.478	43	3179	2.823	ug/l	94
19) Methyl tert-butyl Ether	5.222	73	6835	2.649	ug/l	95
20) Methylene Chloride	4.716	84	8482	2.217	ug/l	94
21) trans-1,2-Dichloroethene	5.228	96	3148	2.899	ug/l #	74
22) Diisopropyl ether	6.118	45	7970	2.378	ug/l	95
23) Vinyl Acetate	6.064	43	25863	12.418	ug/l	98
24) 1,1-Dichloroethane	6.009	63	5391	2.822	ug/l #	93
25) 2-Butanone	6.990	43	7630	16.293	ug/l	91
26) 2,2-Dichloropropane	6.972	77	5820	3.431	ug/l	90
27) cis-1,2-Dichloroethene	6.984	96	3385	2.908	ug/l	91
28) Bromochloromethane	7.332	49	1556	2.229	ug/l #	97
29) Tetrahydrofuran	7.350	42	3812	13.497	ug/l	97
30) Chloroform	7.502	83	5508	2.919	ug/l	97
31) Cyclohexane	7.789	56	6107	3.310	ug/l #	70
32) 1,1,1-Trichloroethane	7.703	97	5019	2.942	ug/l	97
36) 1,1-Dichloropropene	7.923	75	4383	2.792	ug/l	97
37) Ethyl Acetate	7.076	43	2857	2.888	ug/l #	92
38) Carbon Tetrachloride	7.899	117	4527	2.793	ug/l	96
39) Methylcyclohexane	9.191	83	4713	2.525	ug/l	91
40) Benzene	8.161	78	12590	2.835	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	1876	3.519	ug/l #	100
42) 1,2-Dichloroethane	8.234	62	4143	3.103	ug/l	99
43) Isopropyl Acetate	8.270	43	4609	2.611	ug/l	93
44) Trichloroethene	8.941	130	3235	2.763	ug/l	91
45) 1,2-Dichloropropane	9.215	63	3103	2.765	ug/l	95
46) Dibromomethane	9.307	93	1881	2.942	ug/l	97
47) Bromodichloromethane	9.490	83	4168	2.766	ug/l #	84
48) Methyl methacrylate	9.295	41	2128	2.616	ug/l	98
49) 1,4-Dioxane	9.289	88	444	53.721	ug/l #	70
51) 4-Methyl-2-Pentanone	10.069	43	12076	12.612	ug/l	99
52) Toluene	10.246	92	7605	2.840	ug/l	100
53) t-1,3-Dichloropropene	10.465	75	4416	2.794	ug/l	99
54) cis-1,3-Dichloropropene	9.929	75	4431	2.477	ug/l	96
55) 1,1,2-Trichloroethane	10.648	97	2628	2.952	ug/l	99
56) Ethyl methacrylate	10.508	69	2897	2.440	ug/l	98
57) 1,3-Dichloropropane	10.794	76	4276	2.820	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.782	63	7272	11.668	ug/l	100
59) 2-Hexanone	10.837	43	8946	12.855	ug/l	100
60) Dibromochloromethane	10.983	129	3077	2.839	ug/l	94
61) 1,2-Dibromoethane	11.087	107	2453	2.860	ug/l	100
64) Tetrachloroethene	10.715	164	2752	2.732	ug/l	89
65) Chlorobenzene	11.520	112	8439	2.907	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.593	131	3175	2.955	ug/l	94
67) Ethyl Benzene	11.593	91	13385	2.622	ug/l	90
68) m/p-Xylenes	11.703	106	9655	4.917	ug/l	99
69) o-Xylene	12.032	106	4651	2.538	ug/l	88
70) Styrene	12.044	104	7433	2.430	ug/l	99
71) Bromoform	12.209	173	2034	2.904	ug/l #	96
73) Isopropylbenzene	12.331	105	11903	2.439	ug/l	98
74) N-amyl acetate	12.142	43	3649	2.376	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.581	83	3513	3.202	ug/l	99
76) 1,2,3-Trichloropropane	12.636	75	4201	5.108	ug/l #	100
77) Bromobenzene	12.611	156	3546	2.991	ug/l	94
78) n-propylbenzene	12.672	91	16519	2.745	ug/l	98
79) 2-Chlorotoluene	12.757	91	9041	2.703	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	10444	2.593	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.379	75	1151	2.900	ug/l	86
82) 4-Chlorotoluene	12.855	91	9099	2.628	ug/l	99
83) tert-Butylbenzene	13.074	119	8853	2.546	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	9169	2.328	ug/l	97
85) sec-Butylbenzene	13.251	105	13240	2.496	ug/l	99
86) p-Isopropyltoluene	13.367	119	10204	2.354	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	6616	2.893	ug/l	97
88) 1,4-Dichlorobenzene	13.446	146	7077	3.032	ug/l	86
89) n-Butylbenzene	13.696	91	10141	2.444	ug/l	99
90) Hexachloroethane	13.958	117	2657	2.943	ug/l	93
91) 1,2-Dichlorobenzene	13.739	146	6000	2.902	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	529	2.983	ug/l	89
93) 1,2,4-Trichlorobenzene	15.007	180	3277	2.575	ug/l	93
94) Hexachlorobutadiene	15.117	225	2046	2.636	ug/l	90
95) Naphthalene	15.239	128	6418	2.516	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	2944	2.601	ug/l	90

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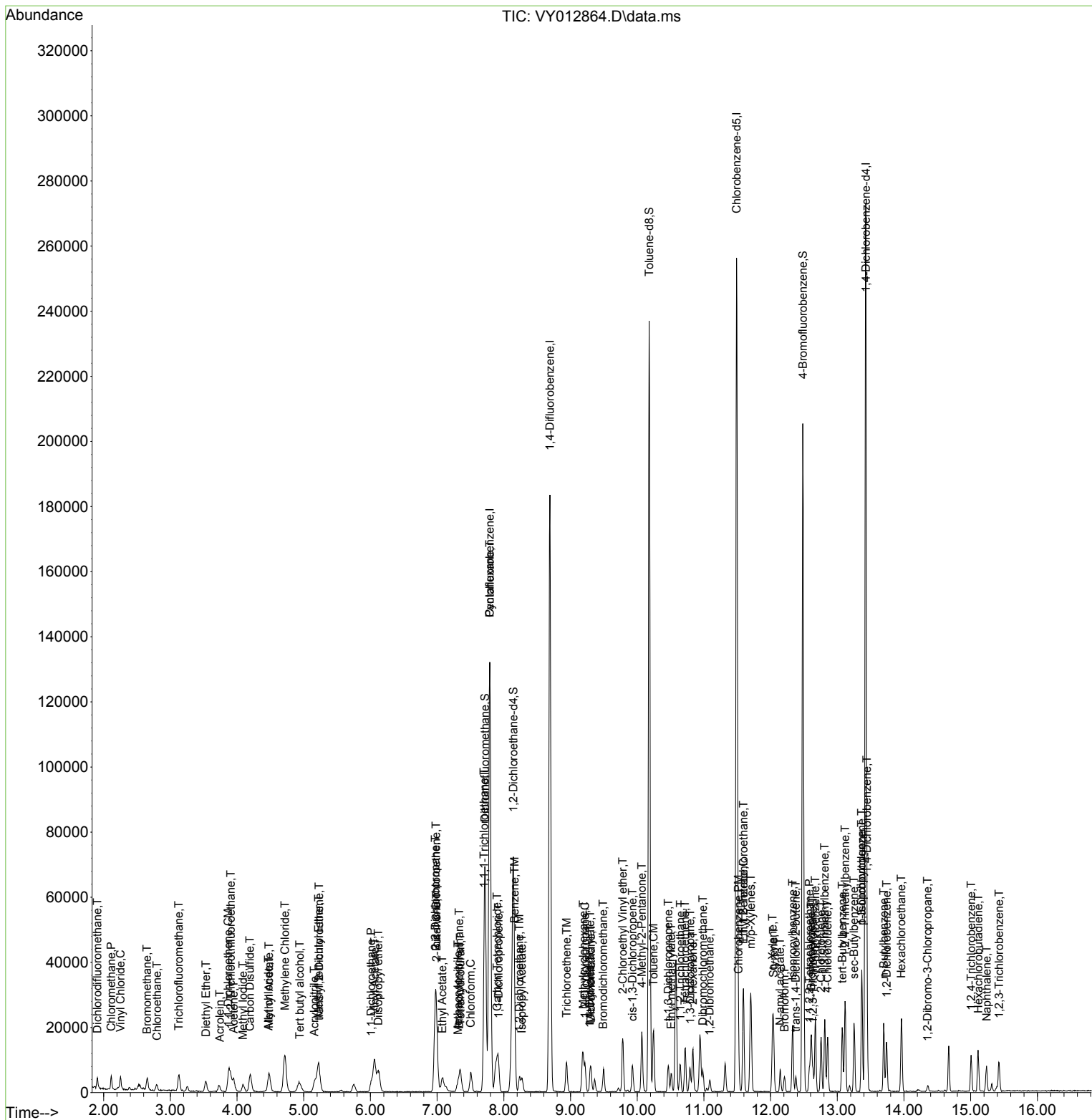
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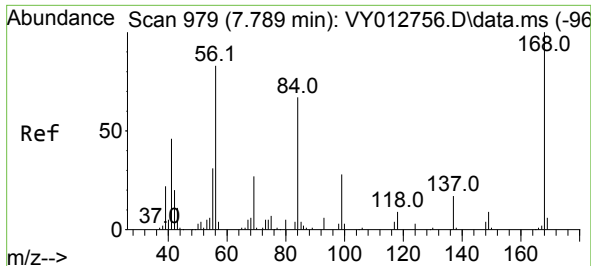
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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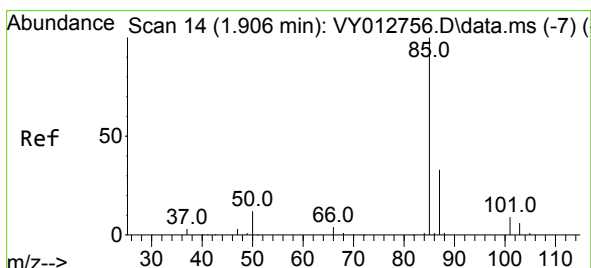
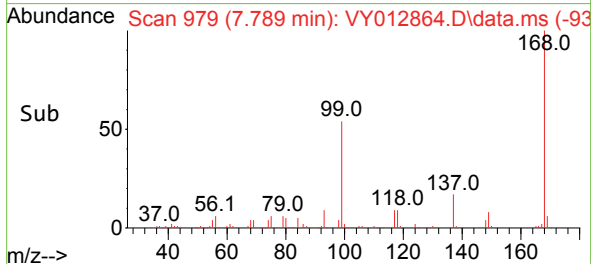
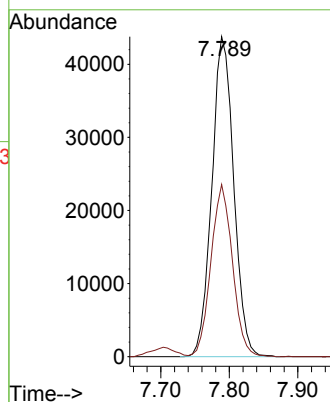
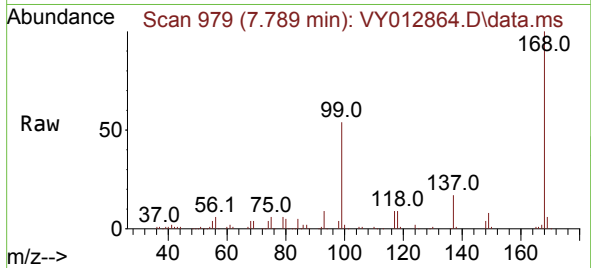




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
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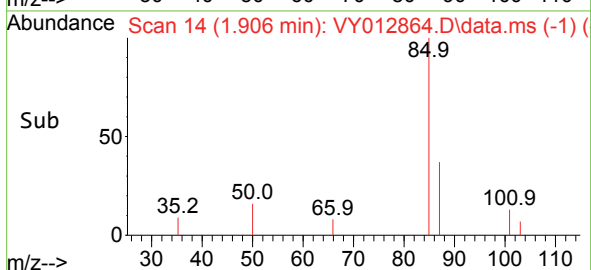
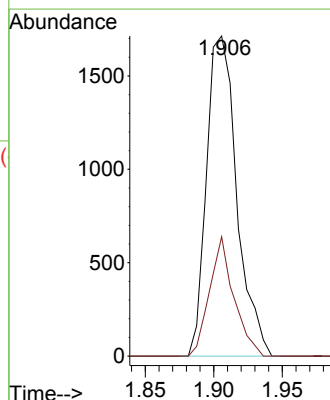
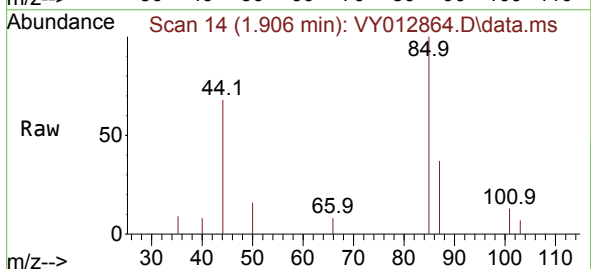
Instrument :
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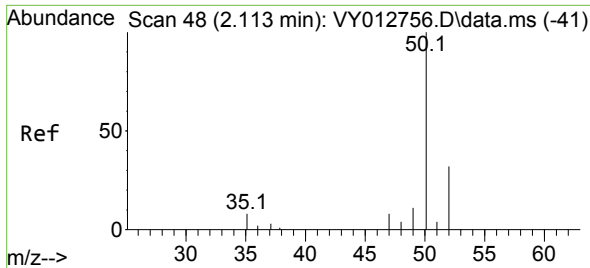
Tgt Ion:168 Resp: 97020
Ion Ratio Lower Upper
168 100
99 53.8 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 2.752 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 85 Resp: 2632
Ion Ratio Lower Upper
85 100
87 37.3 16.7 50.0

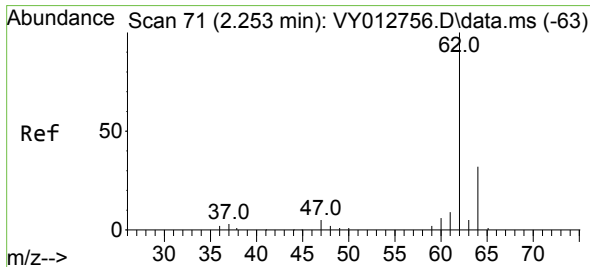
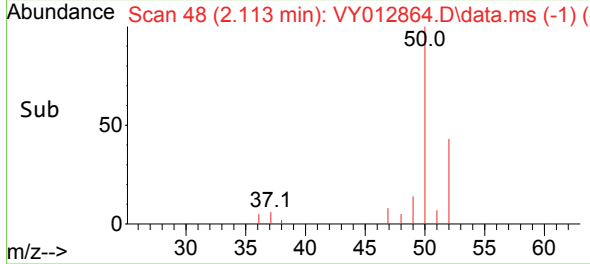
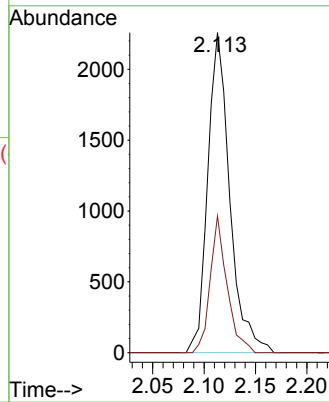
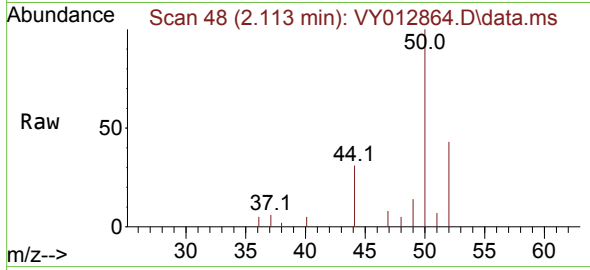




#3
Chloromethane
Concen: 2.948 ug/l
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

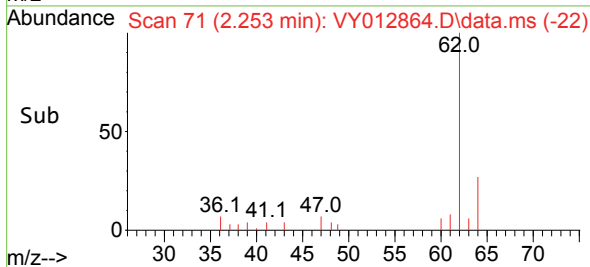
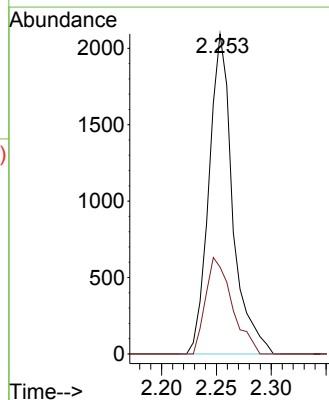
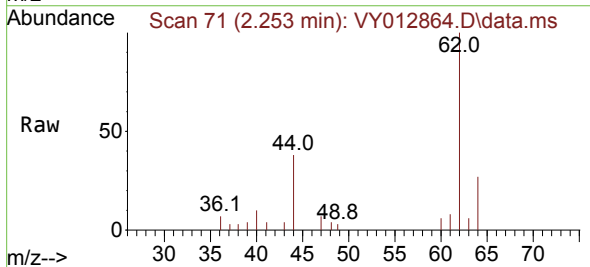
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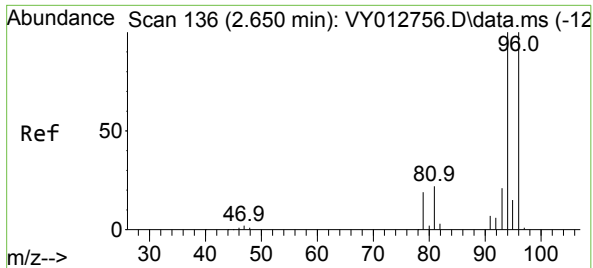
Tgt Ion: 50 Resp: 3370
Ion Ratio Lower Upper
50 100
52 42.7 26.0 39.0#



#4
Vinyl Chloride
Concen: 3.006 ug/l
RT: 2.253 min Scan# 71
Delta R.T. 0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 62 Resp: 3151
Ion Ratio Lower Upper
62 100
64 27.1 25.6 38.4

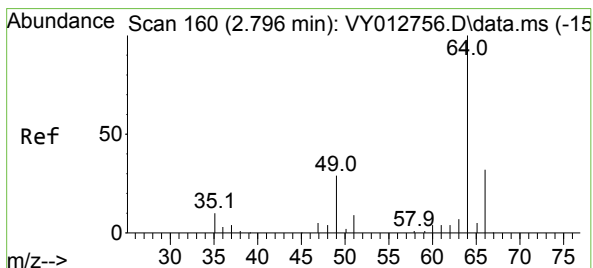
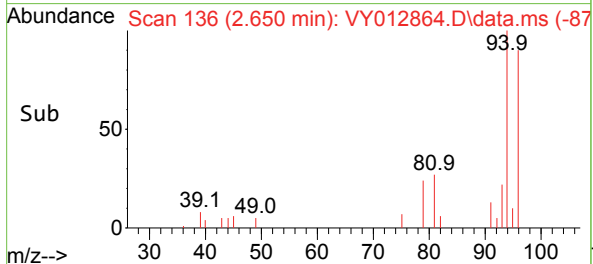
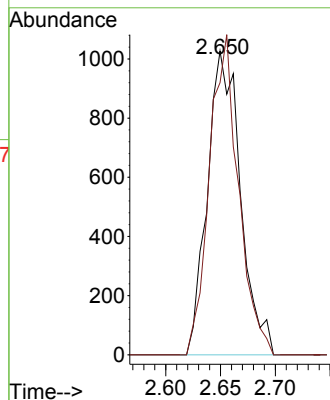
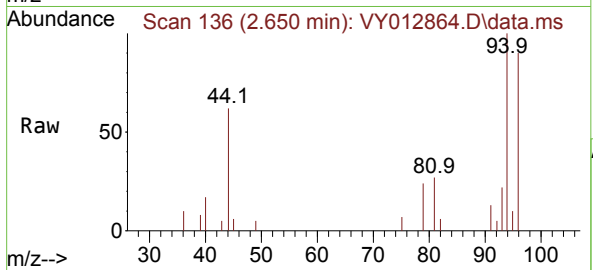




#5
Bromomethane
Concen: 3.381 ug/l
RT: 2.650 min Scan# 111
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

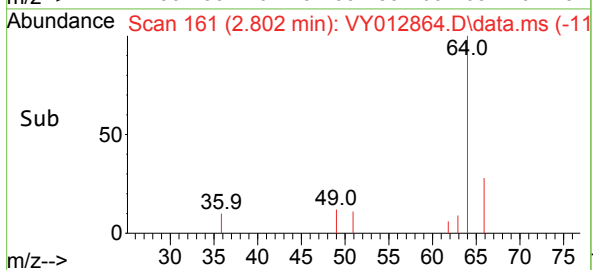
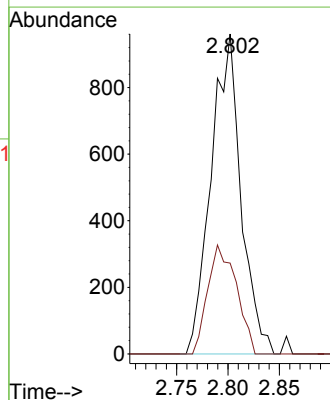
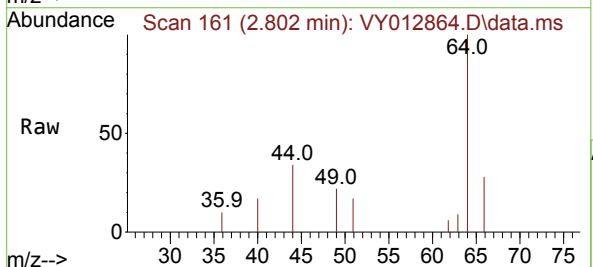
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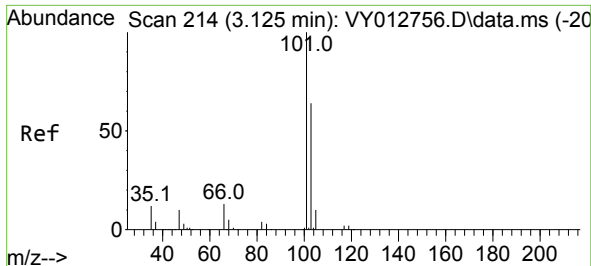
Tgt Ion: 94 Resp: 2154
Ion Ratio Lower Upper
94 100
96 89.6 80.3 120.5



#6
Chloroethane
Concen: 3.092 ug/l
RT: 2.802 min Scan# 161
Delta R.T. 0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 64 Resp: 1941
Ion Ratio Lower Upper
64 100
66 28.4 25.7 38.5

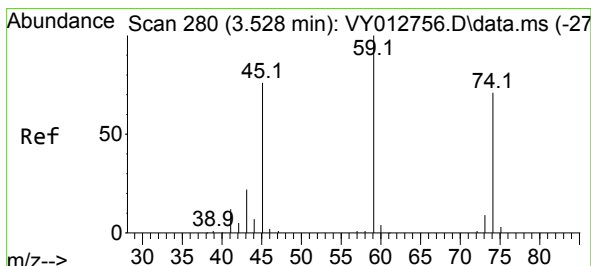
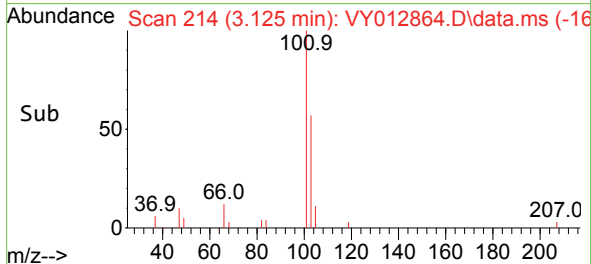
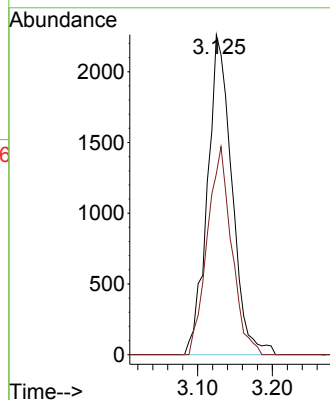
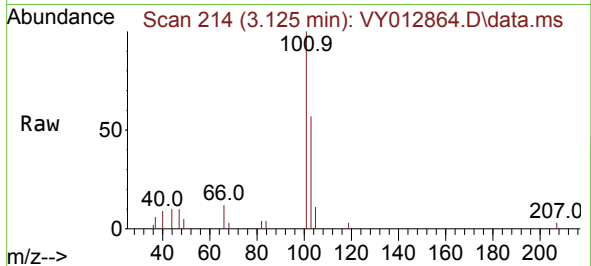




#7
Trichlorofluoromethane
Concen: 2.950 ug/l
RT: 3.125 min Scan# 214
Delta R.T. 0.000 min
Lab File: VY012864.D
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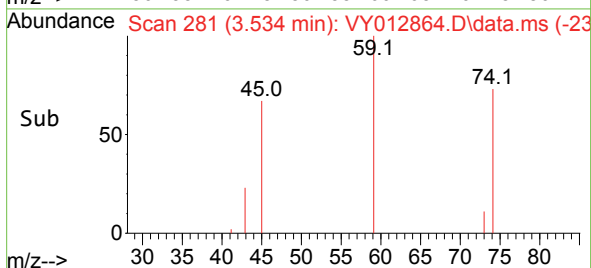
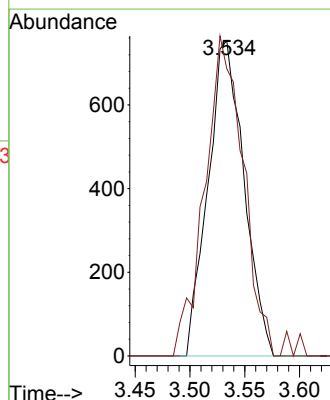
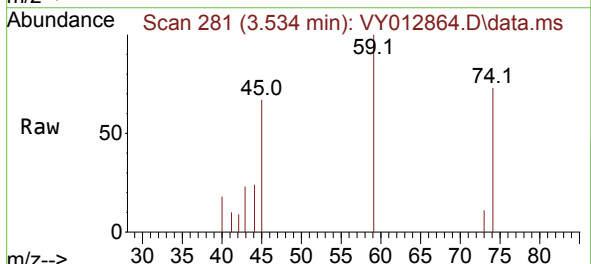
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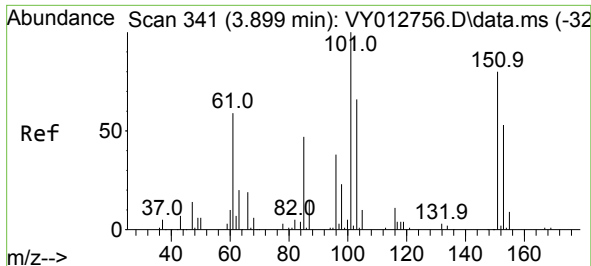
Tgt Ion:101 Resp: 5136
Ion Ratio Lower Upper
101 100
103 56.5 51.5 77.3



#8
Diethyl Ether
Concen: 2.819 ug/l
RT: 3.534 min Scan# 281
Delta R.T. 0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 74 Resp: 1720
Ion Ratio Lower Upper
74 100
45 108.3 52.1 156.4

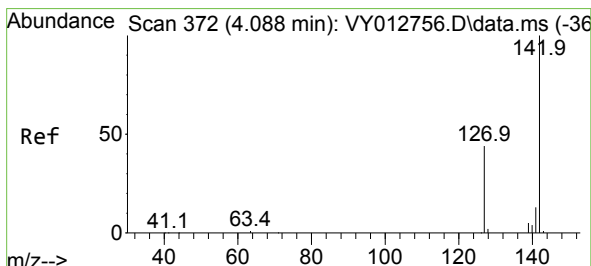
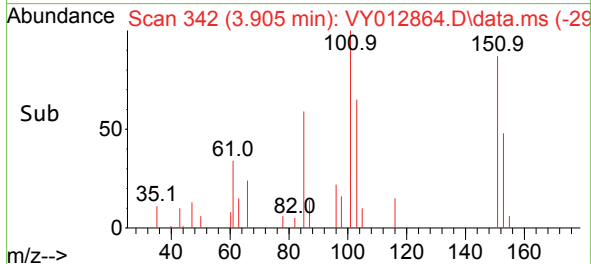
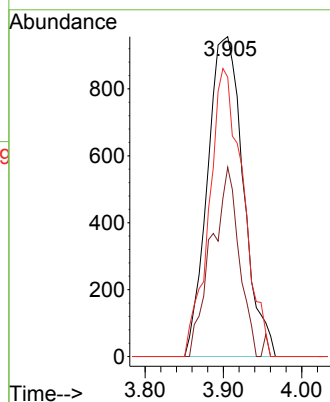
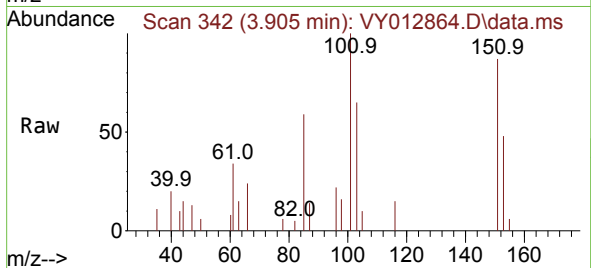




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.905 ug/l
RT: 3.905 min Scan# 341
Delta R.T. 0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

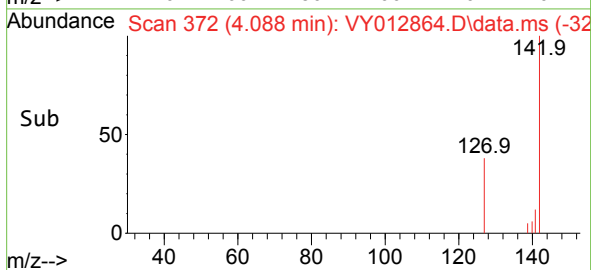
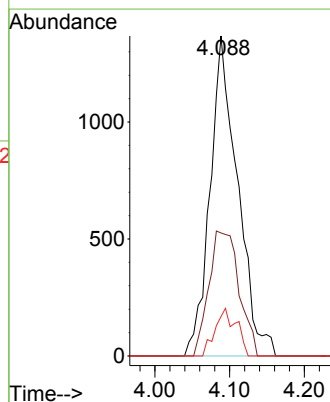
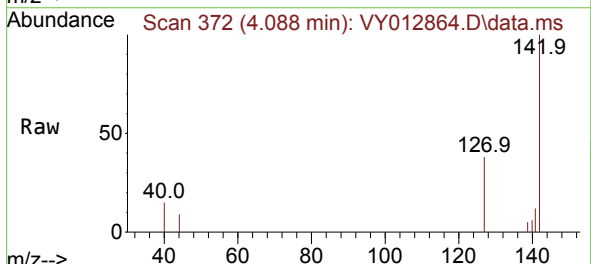
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

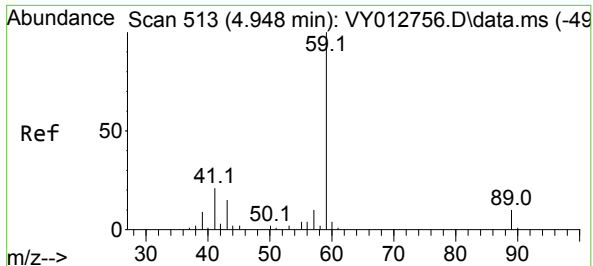
Tgt Ion:101 Resp: 3043
Ion Ratio Lower Upper
101 100
85 45.9 35.3 52.9
151 85.0 63.1 94.7



#10
Methyl Iodide
Concen: 2.572 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion:142 Resp: 3511
Ion Ratio Lower Upper
142 100
127 42.8 35.4 53.2
141 11.4 11.3 16.9





#11

Tert butyl alcohol

Concen: 18.292 ug/l

RT: 4.942 min Scan# 513

Delta R.T. -0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

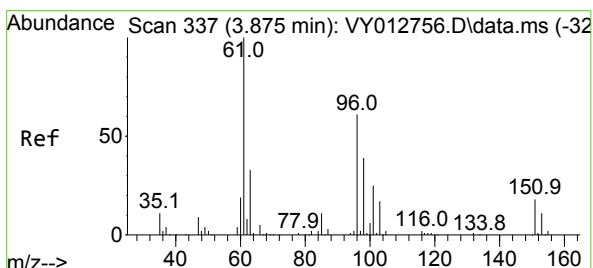
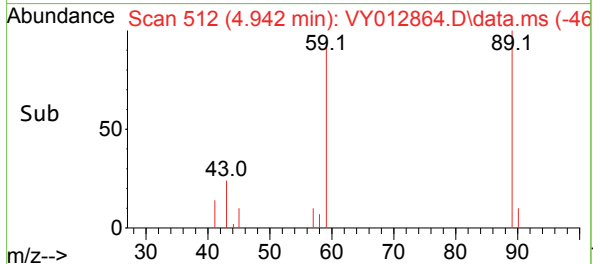
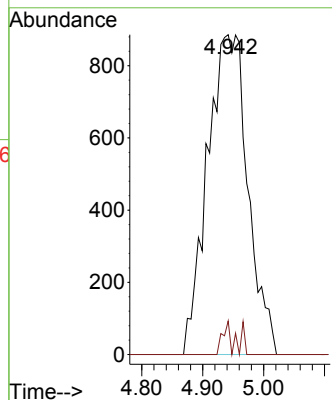
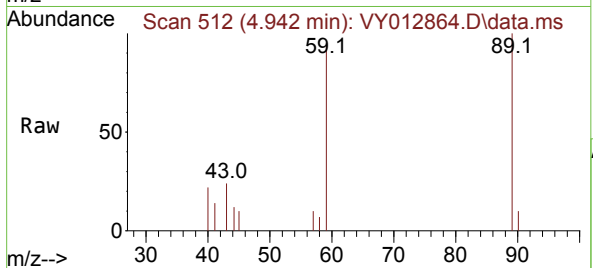
MDL-SOIL-03-QT1-2022

Tgt Ion: 59 Resp: 4096

Ion Ratio Lower Upper

59 100

57 1.8 7.7 11.5#



#12

1,1-Dichloroethene

Concen: 2.780 ug/l

RT: 3.869 min Scan# 336

Delta R.T. -0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

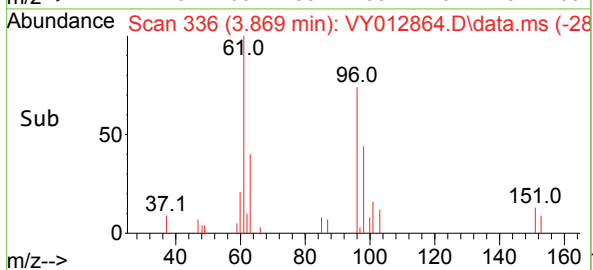
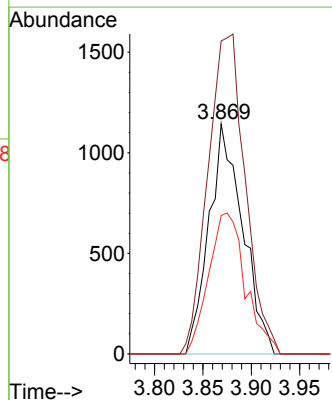
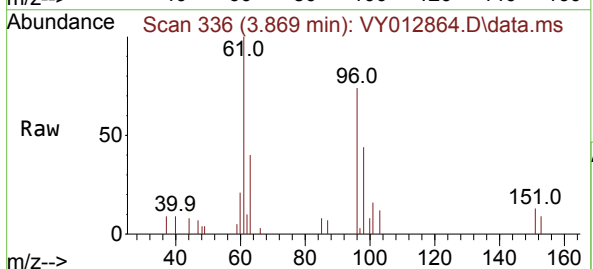
Tgt Ion: 96 Resp: 2777

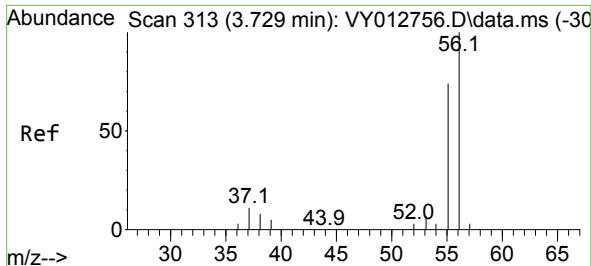
Ion Ratio Lower Upper

96 100

61 136.0 131.7 197.5

98 60.1 52.0 78.0





#13

Acrolein

Concen: 14.511 ug/l

RT: 3.741 min Scan# 313

Delta R.T. 0.012 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

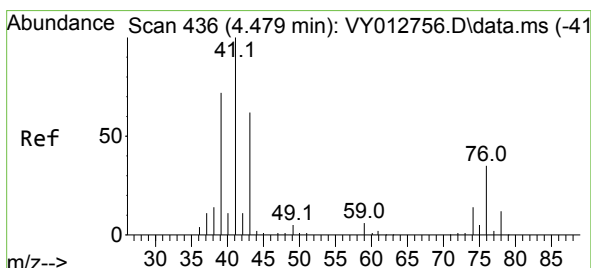
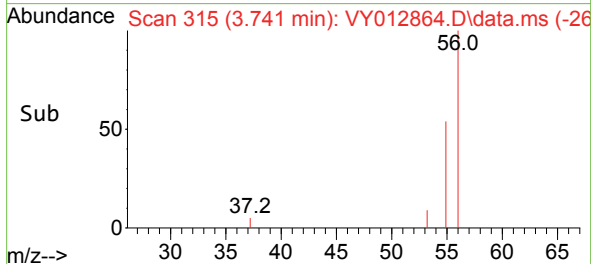
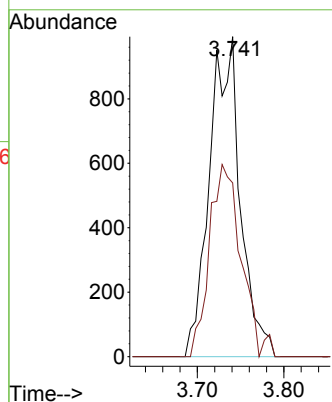
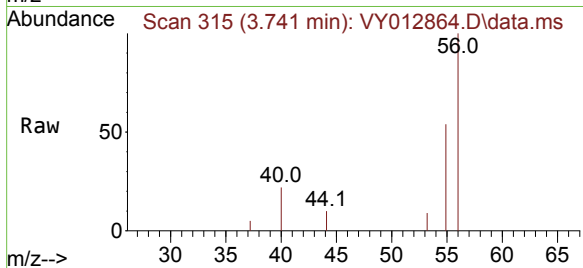
MDL-SOIL-03-QT1-2022

Tgt Ion: 56 Resp: 2449

Ion Ratio Lower Upper

56 100

55 62.0 56.8 85.2



#14

Allyl chloride

Concen: 2.262 ug/l

RT: 4.472 min Scan# 435

Delta R.T. -0.007 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

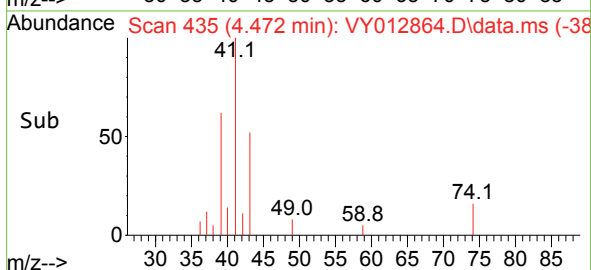
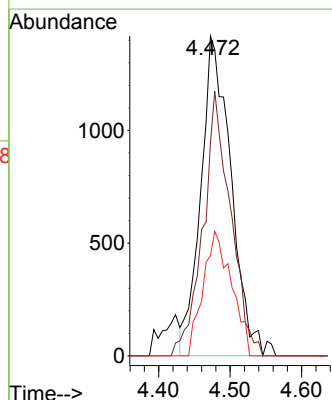
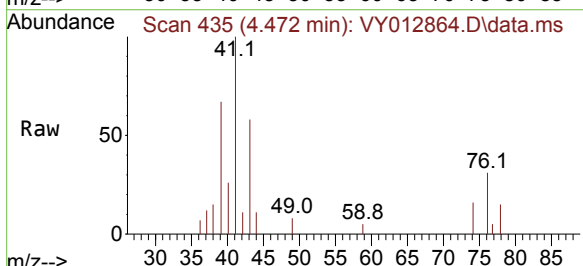
Tgt Ion: 41 Resp: 4174

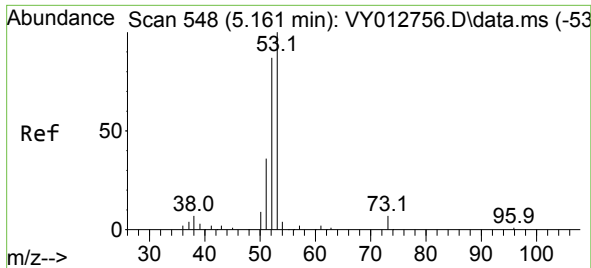
Ion Ratio Lower Upper

41 100

39 75.4 53.6 80.4

76 36.5 27.2 40.8

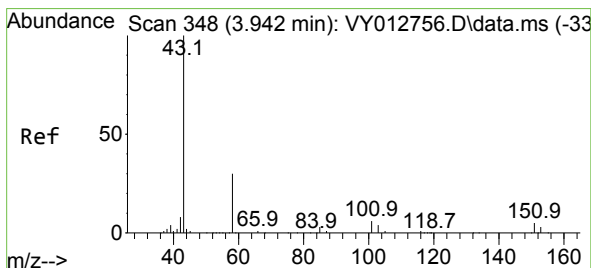
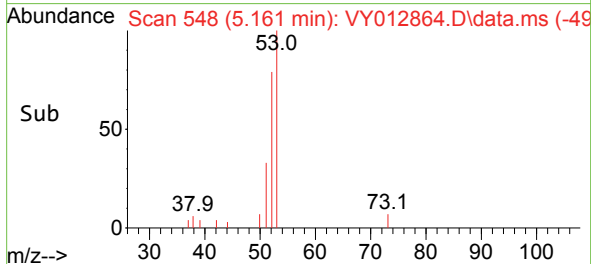
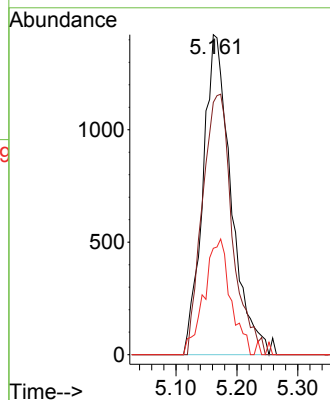
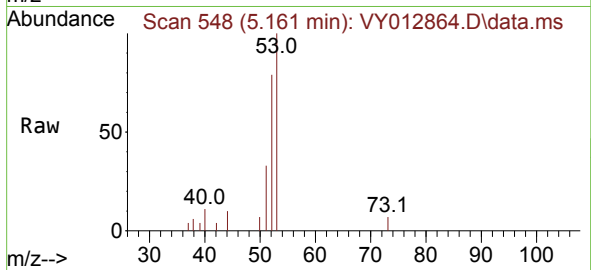




#15
Acrylonitrile
Concen: 14.308 ug/l
RT: 5.161 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

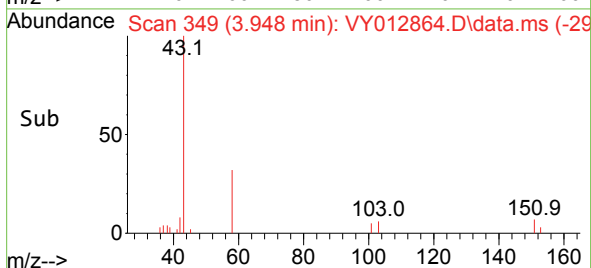
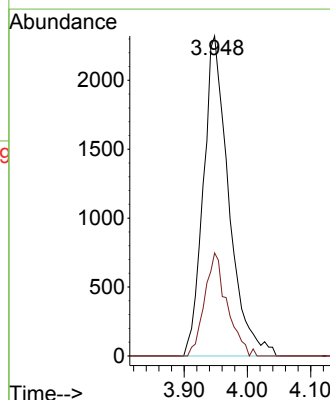
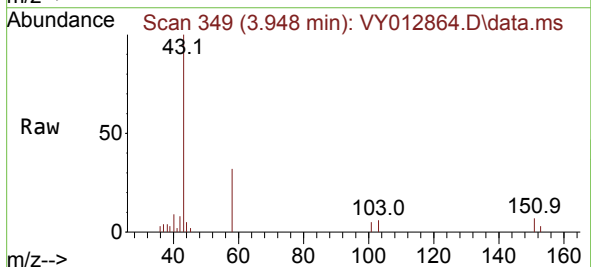
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

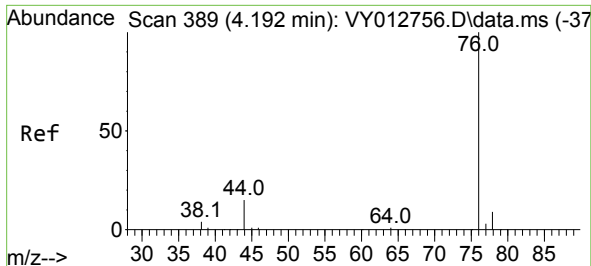
Tgt Ion:	53	Resp:	4600
Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.3	99.5
51	33.5	28.8	43.2



#16
Acetone
Concen: 17.146 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion:	43	Resp:	6483
Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.2	36.2

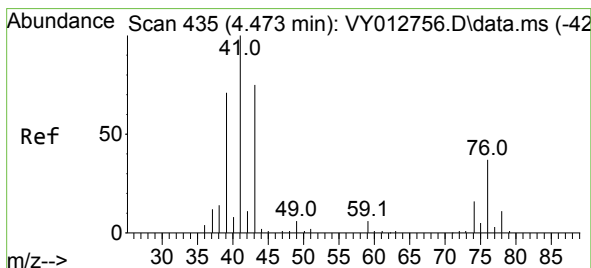
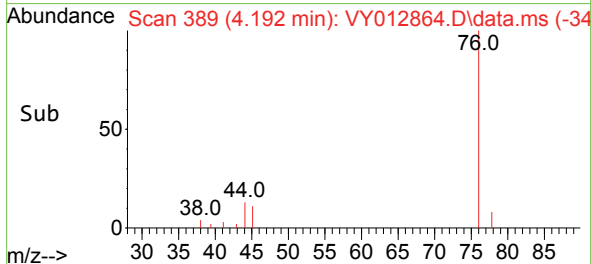
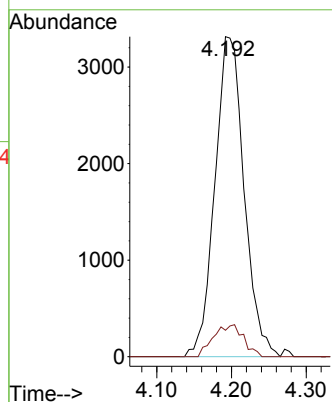
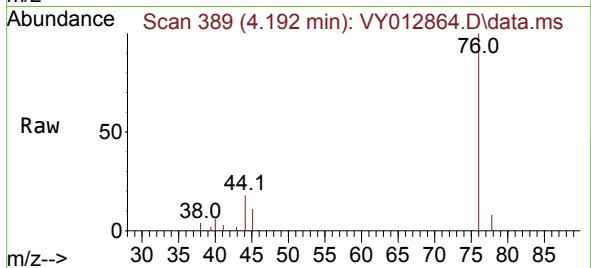




#17
Carbon Disulfide
Concen: 2.649 ug/l
RT: 4.192 min Scan# 389
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

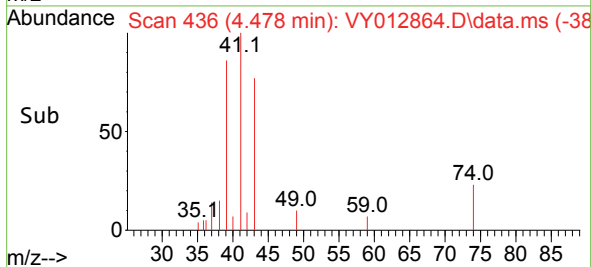
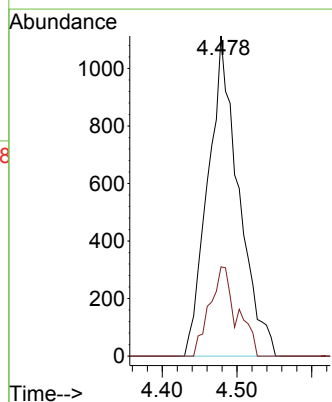
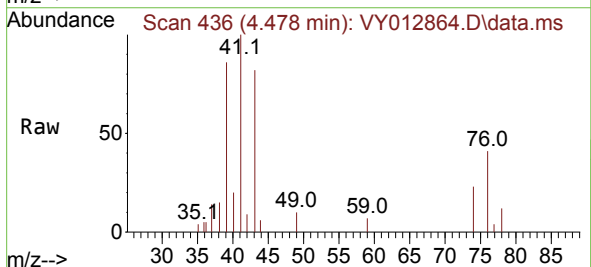
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

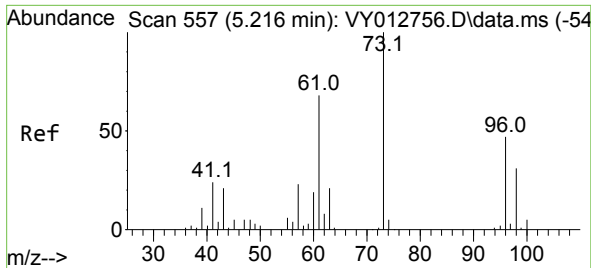
Tgt Ion: 76 Resp: 9010
Ion Ratio Lower Upper
76 100
78 8.3 7.1 10.7



#18
Methyl Acetate
Concen: 2.823 ug/l
RT: 4.478 min Scan# 436
Delta R.T. 0.005 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 43 Resp: 3179
Ion Ratio Lower Upper
43 100
74 24.7 17.4 26.0

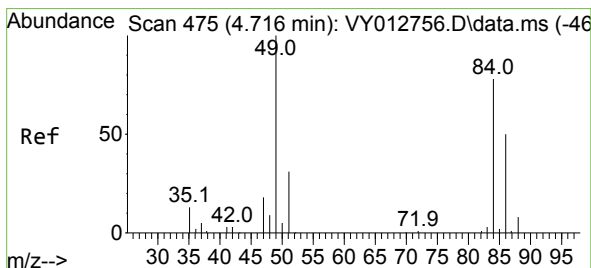
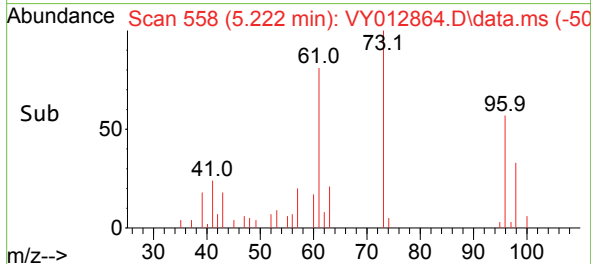
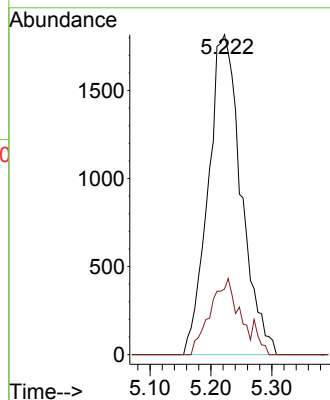
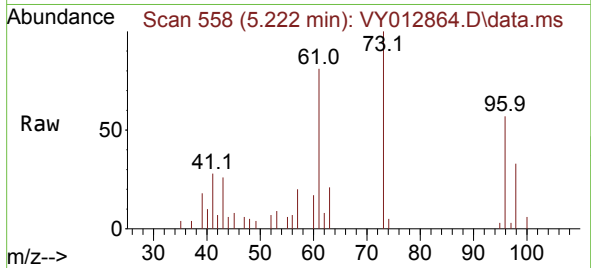




#19
Methyl tert-butyl Ether
Concen: 2.649 ug/l
RT: 5.222 min Scan# 51
Delta R.T. 0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

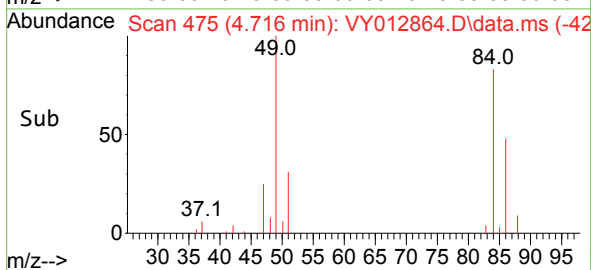
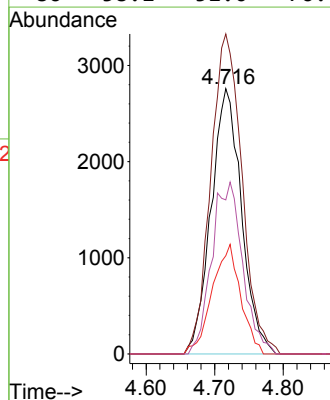
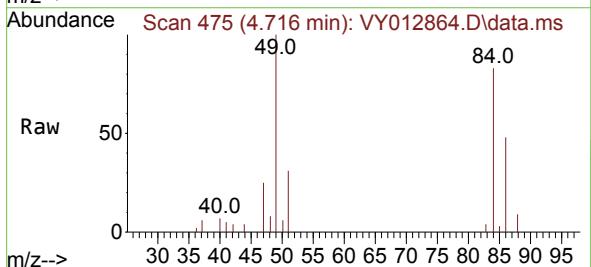
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

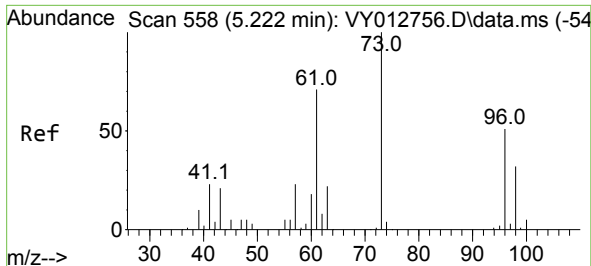
Tgt Ion: 73 Resp: 6835
Ion Ratio Lower Upper
73 100
57 20.5 18.3 27.5



#20
Methylene Chloride
Concen: 2.217 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 84 Resp: 8482
Ion Ratio Lower Upper
84 100
49 120.6 102.6 154.0
51 37.0 31.9 47.9
86 58.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 2.899 ug/l

RT: 5.228 min Scan# 51

Delta R.T. 0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

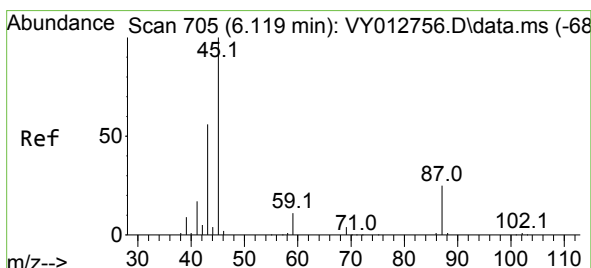
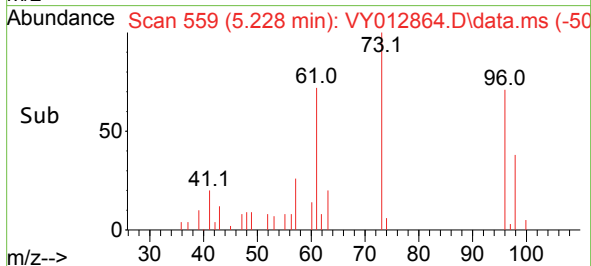
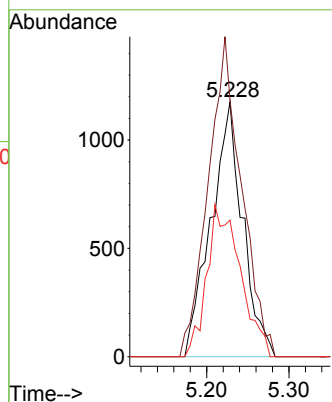
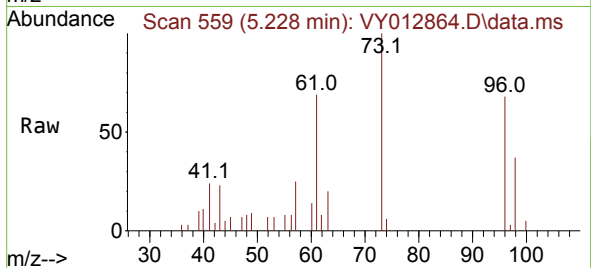
Tgt Ion: 96 Resp: 3148

Ion Ratio Lower Upper

96 100

61 100.9 111.4 167.0#

98 53.6 50.8 76.2



#22

Diisopropyl ether

Concen: 2.378 ug/l

RT: 6.118 min Scan# 705

Delta R.T. -0.001 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Tgt Ion: 45 Resp: 7970

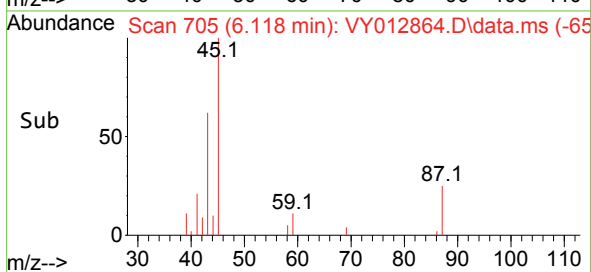
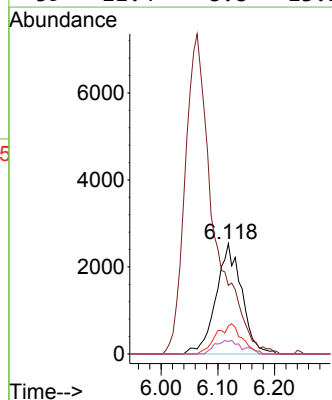
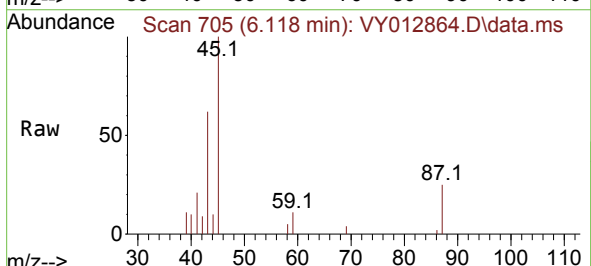
Ion Ratio Lower Upper

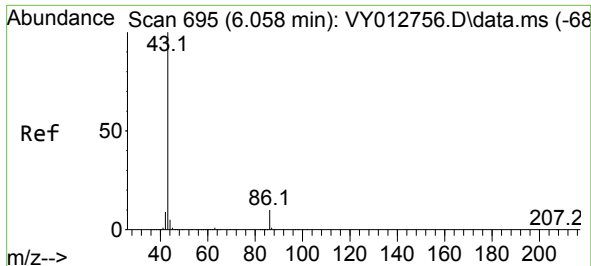
45 100

43 62.2 45.0 67.6

87 25.2 20.3 30.5

59 11.4 8.8 13.2

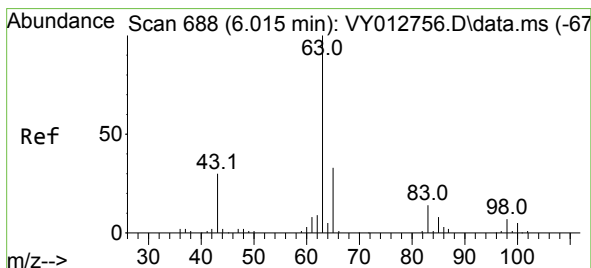
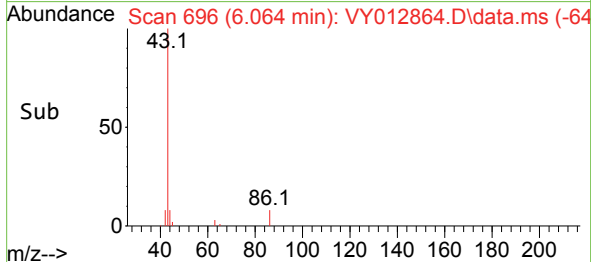
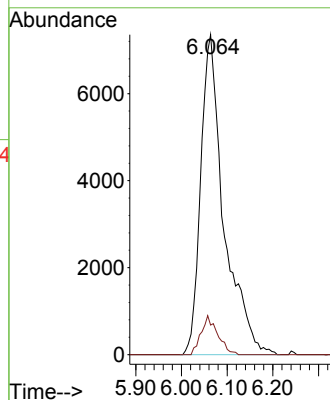
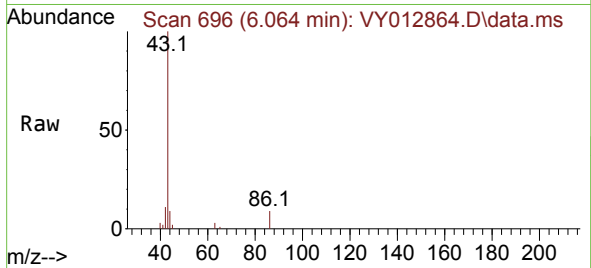




#23
 Vinyl Acetate
 Concen: 12.418 ug/l
 RT: 6.064 min Scan# 695
 Delta R.T. 0.006 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

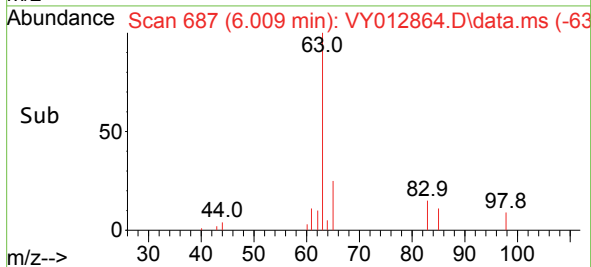
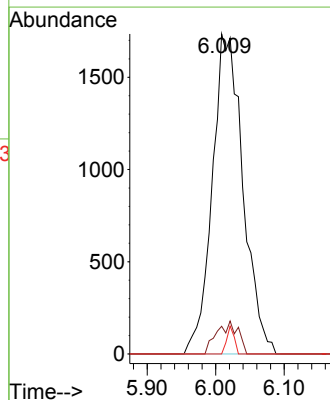
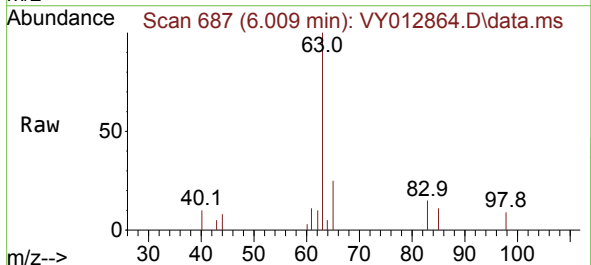
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

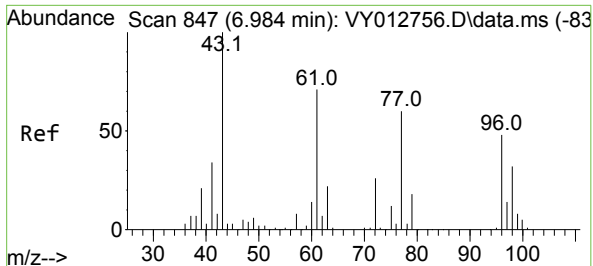
Tgt Ion: 43 Resp: 25863
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 2.822 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.006 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

Tgt Ion: 63 Resp: 5391
 Ion Ratio Lower Upper
 63 100
 98 8.6 3.7 11.1
 100 0.0 2.3 6.8#





#25

2-Butanone

Concen: 16.293 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

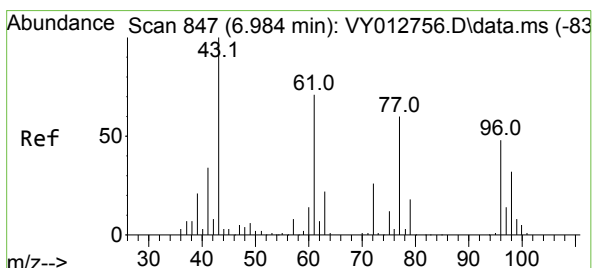
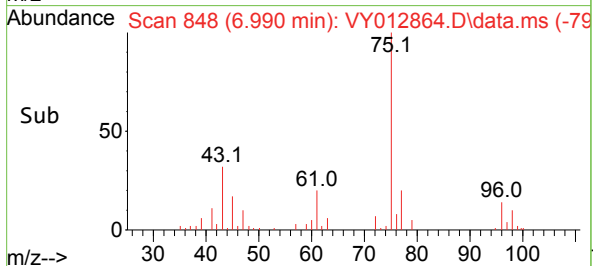
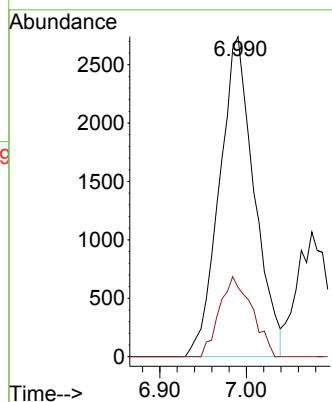
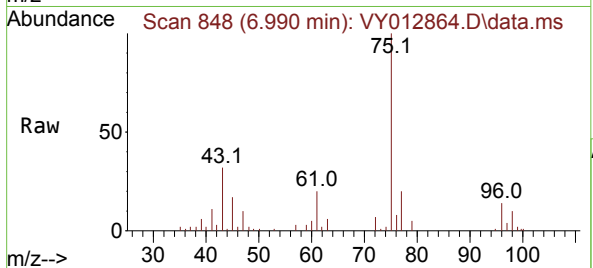
MDL-SOIL-03-QT1-2022

Tgt Ion: 43 Resp: 7630

Ion Ratio Lower Upper

43 100

72 21.7 21.0 31.4



#26

2,2-Dichloropropane

Concen: 3.431 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.012 min

Lab File: VY012864.D

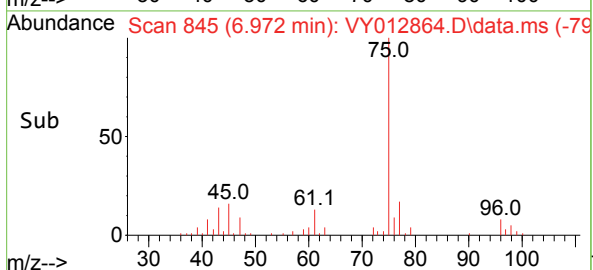
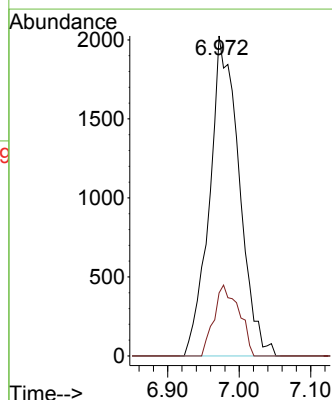
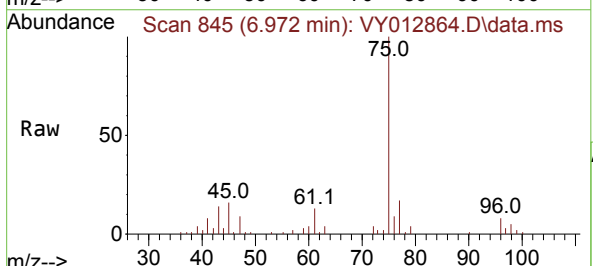
Acq: 08 Mar 2023 12:31

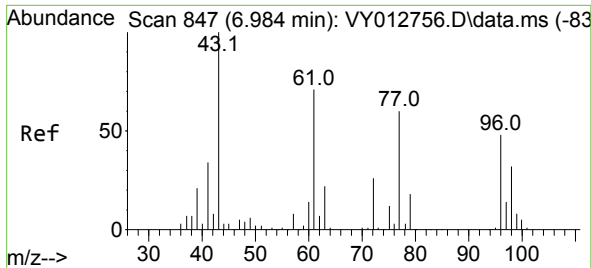
Tgt Ion: 77 Resp: 5820

Ion Ratio Lower Upper

77 100

97 18.6 11.7 35.0

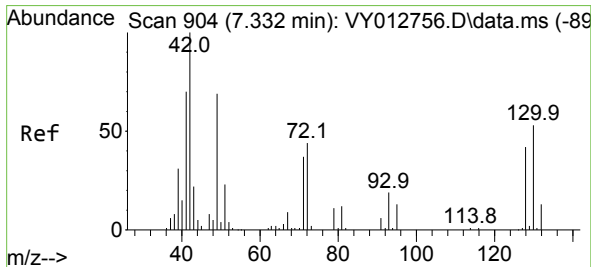
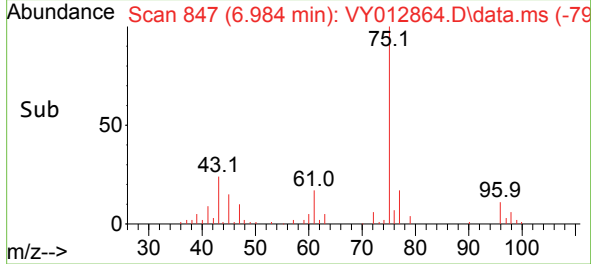
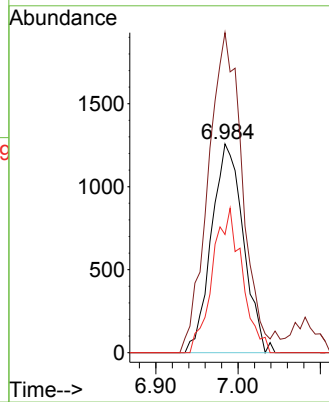
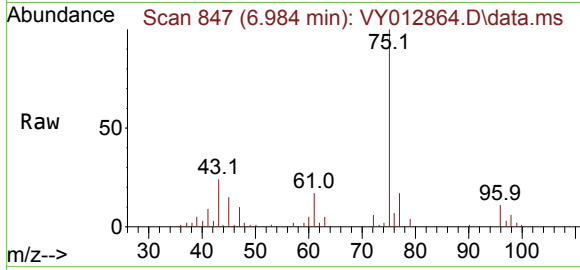




#27
 cis-1,2-Dichloroethene
 Concen: 2.908 ug/l
 RT: 6.984 min Scan# 847
 Delta R.T. 0.000 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

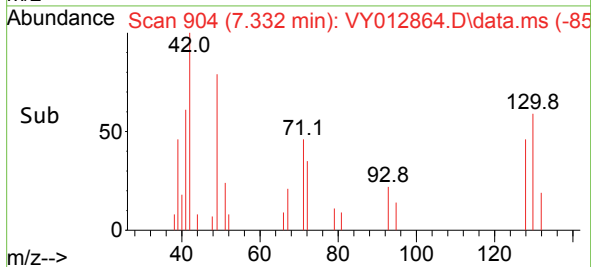
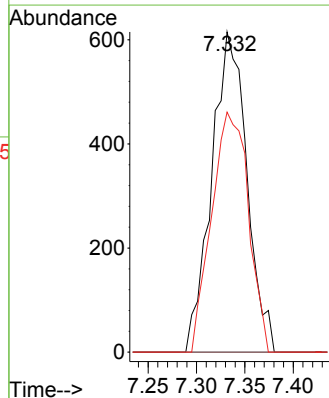
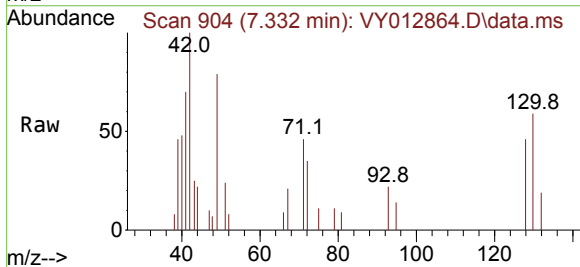
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Tgt Ion: 96	Resp: 3385
Ion Ratio	Lower Upper
96 100	
61 163.6	0.0 295.8
98 64.5	0.0 130.2



#28
 Bromochloromethane
 Concen: 2.229 ug/l
 RT: 7.332 min Scan# 904
 Delta R.T. -0.000 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

Tgt Ion: 49	Resp: 1556
Ion Ratio	Lower Upper
49 100	
129 0.0	0.0 4.2
130 78.3	60.5 90.7





#29

Tetrahydrofuran

Concen: 13.497 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

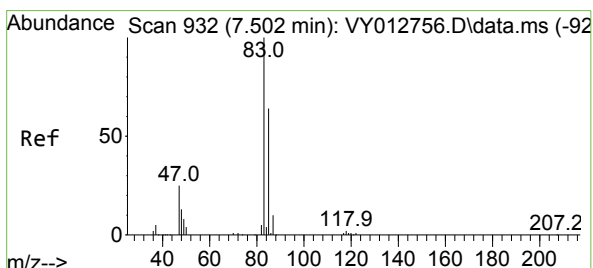
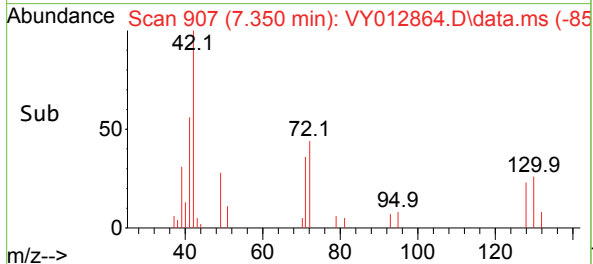
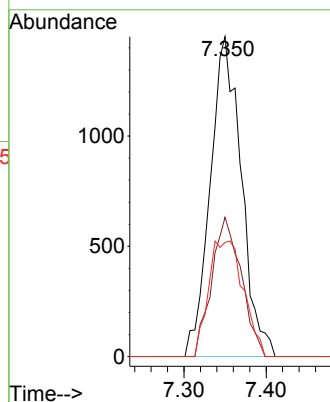
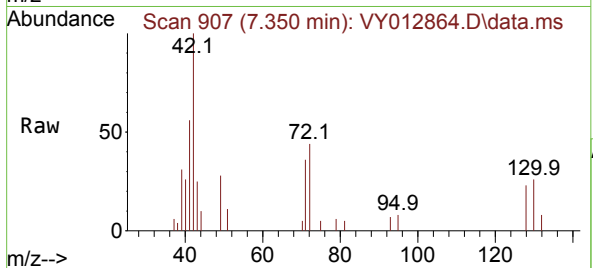
Tgt Ion: 42 Resp: 3812

Ion Ratio Lower Upper

42 100

72 41.4 32.3 48.5

71 40.6 30.3 45.5



#30

Chloroform

Concen: 2.919 ug/l

RT: 7.502 min Scan# 932

Delta R.T. 0.000 min

Lab File: VY012864.D

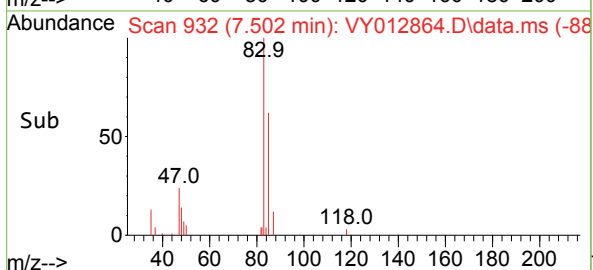
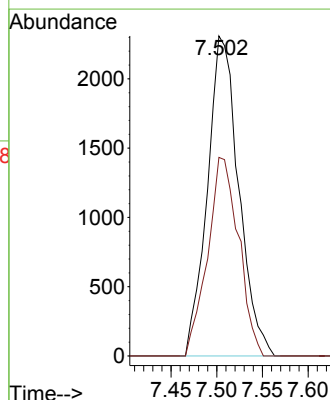
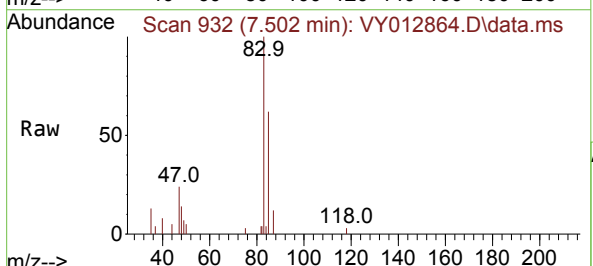
Acq: 08 Mar 2023 12:31

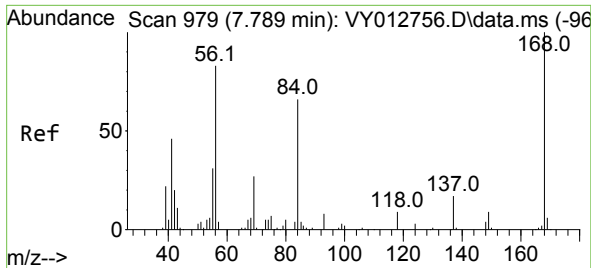
Tgt Ion: 83 Resp: 5508

Ion Ratio Lower Upper

83 100

85 62.0 51.4 77.0

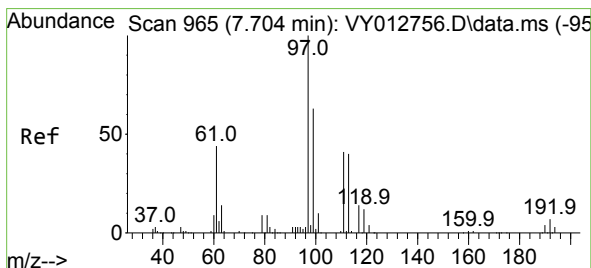
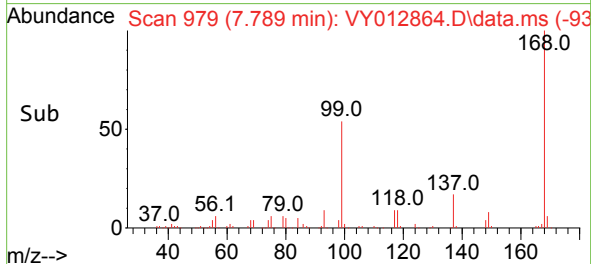
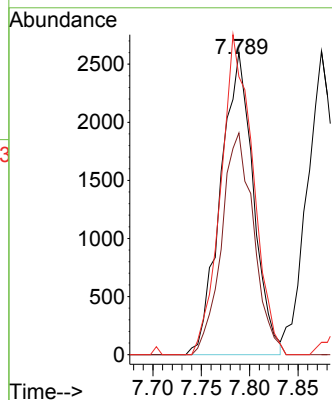
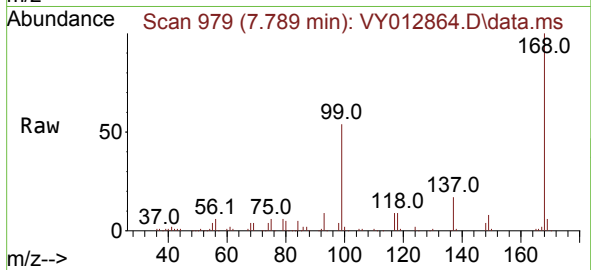




#31
Cyclohexane
Concen: 3.310 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

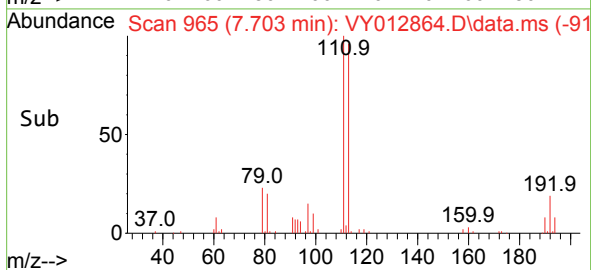
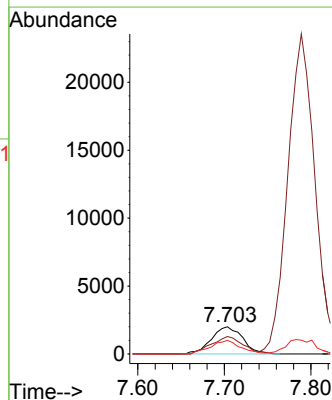
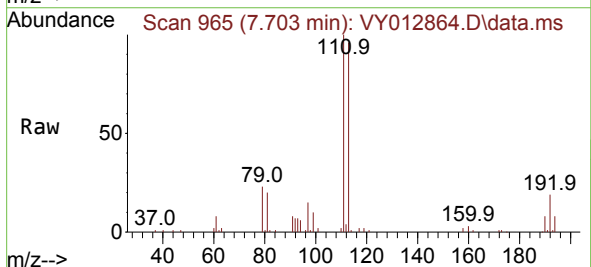
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

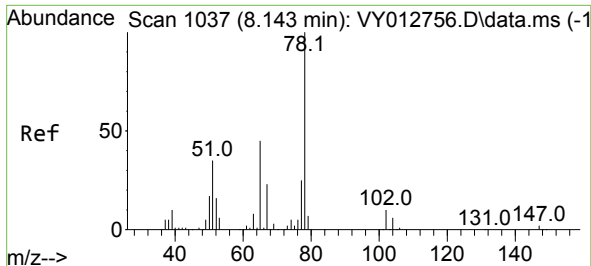
Tgt Ion: 56 Resp: 6107
Ion Ratio Lower Upper
56 100
69 73.4 25.7 38.5#
84 91.9 64.3 96.5



#32
1,1,1-Trichloroethane
Concen: 2.942 ug/l
RT: 7.703 min Scan# 965
Delta R.T. -0.001 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 97 Resp: 5019
Ion Ratio Lower Upper
97 100
99 63.6 51.0 76.6
61 47.2 34.5 51.7

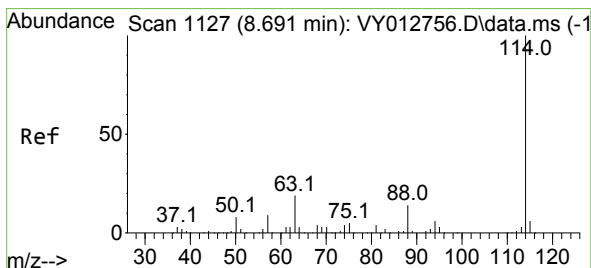
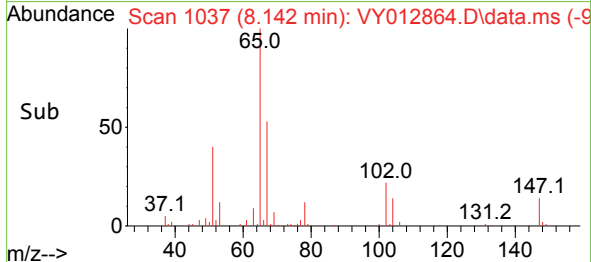
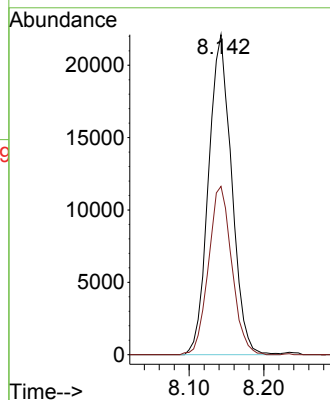
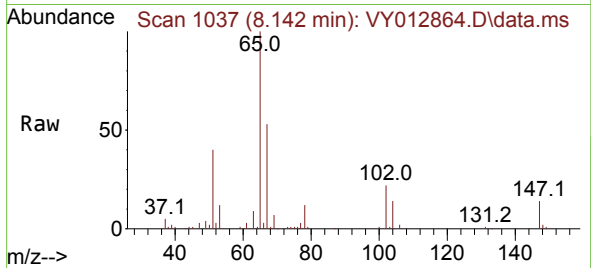




#33
 1,2-Dichloroethane-d4
 Concen: 49.242 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

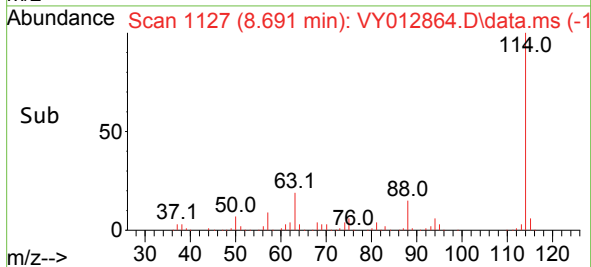
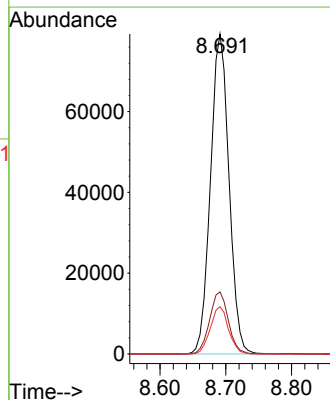
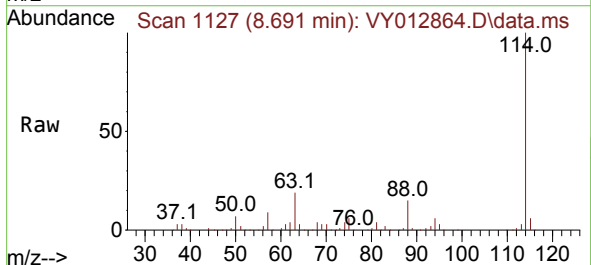
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Tgt Ion: 65 Resp: 47434
 Ion Ratio Lower Upper
 65 100
 67 53.1 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: VY012864.D
 Acq: 08 Mar 2023 12:31

Tgt Ion: 114 Resp: 155219
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 37.4
 88 14.7 0.0 28.6

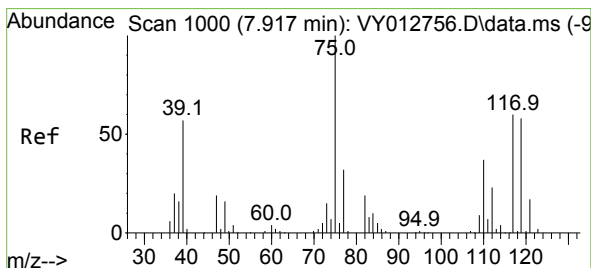
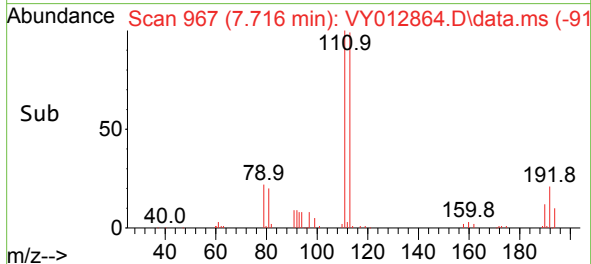
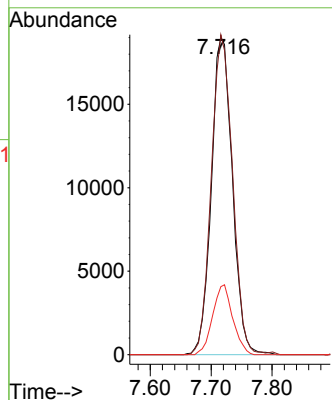
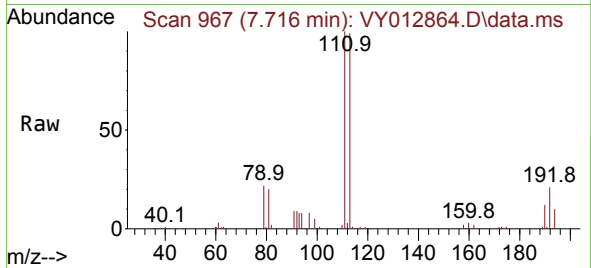




#35
Dibromofluoromethane
Concen: 48.674 ug/l
RT: 7.716 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

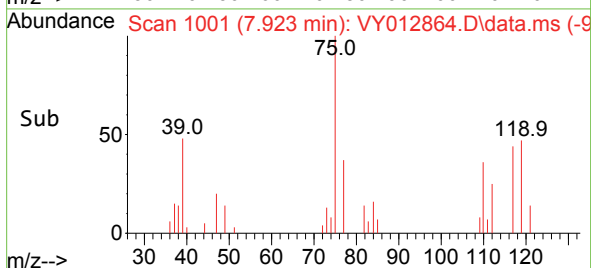
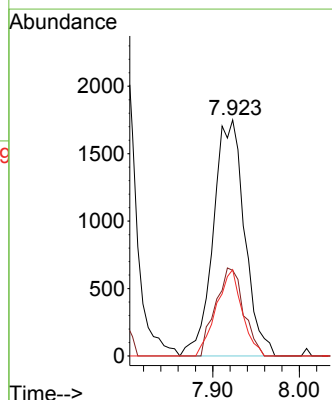
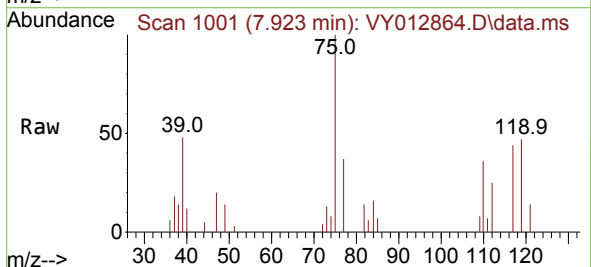
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

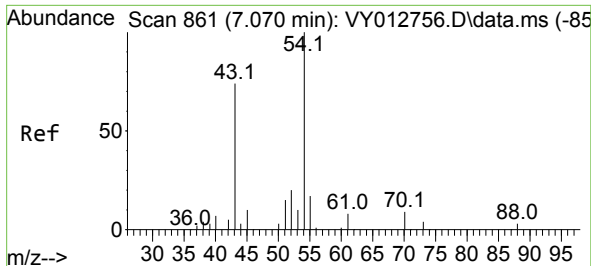
Tgt Ion:113 Resp: 45595
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.2
192 21.0 16.8 25.2



#36
1,1-Dichloropropene
Concen: 2.792 ug/l
RT: 7.923 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 75 Resp: 4383
Ion Ratio Lower Upper
75 100
110 33.5 17.8 53.3
77 30.2 25.0 37.4





#37

Ethyl Acetate

Concen: 2.888 ug/l

RT: 7.076 min Scan# 861

Delta R.T. 0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

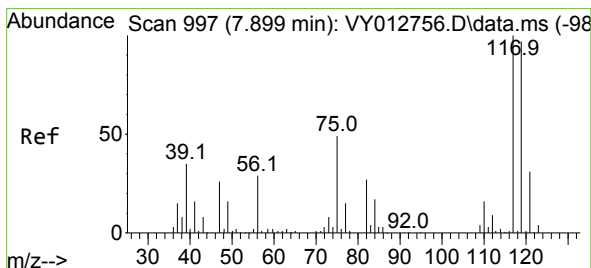
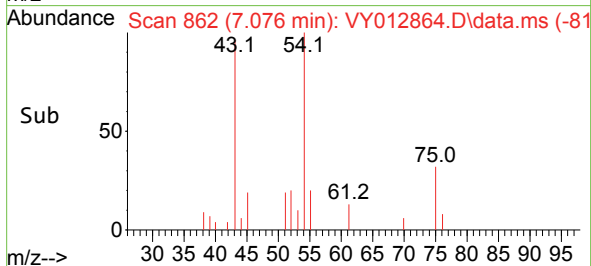
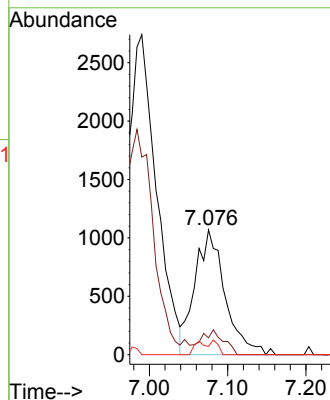
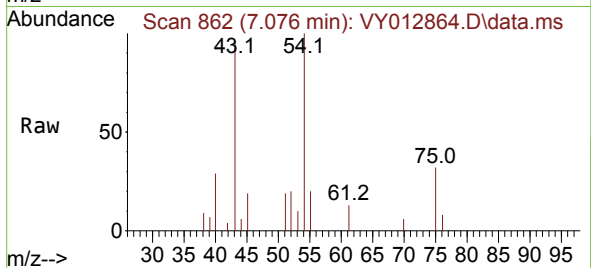
Tgt Ion: 43 Resp: 2857

Ion Ratio Lower Upper

43 100

61 15.1 10.7 16.1

70 4.5 7.8 11.8#



#38

Carbon Tetrachloride

Concen: 2.793 ug/l

RT: 7.899 min Scan# 997

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

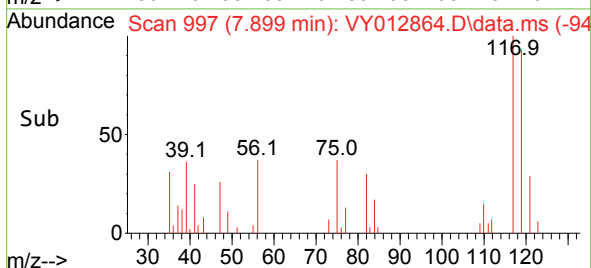
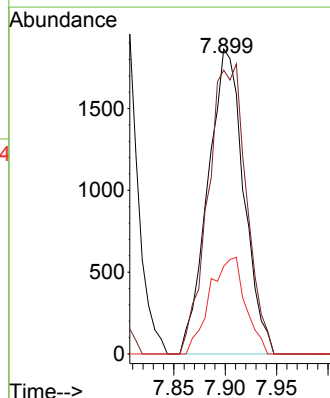
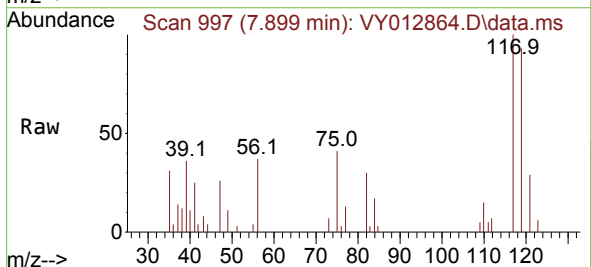
Tgt Ion: 117 Resp: 4527

Ion Ratio Lower Upper

117 100

119 93.1 77.2 115.8

121 28.8 24.7 37.1





#39

Methylcyclohexane

Concen: 2.525 ug/l

RT: 9.191 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

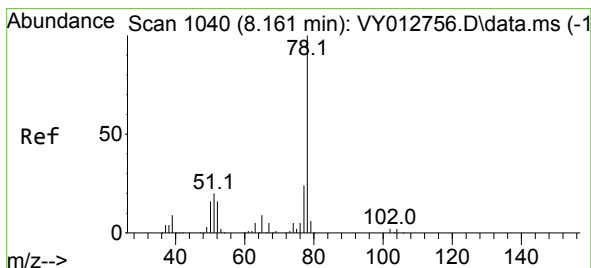
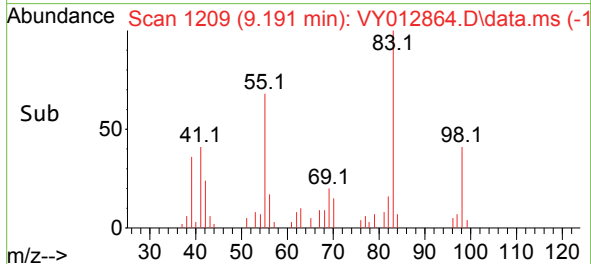
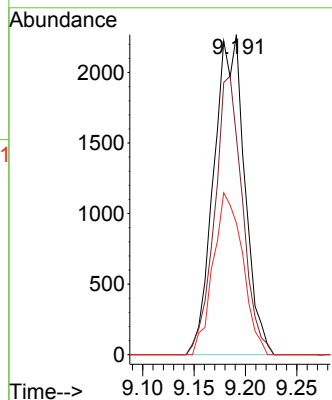
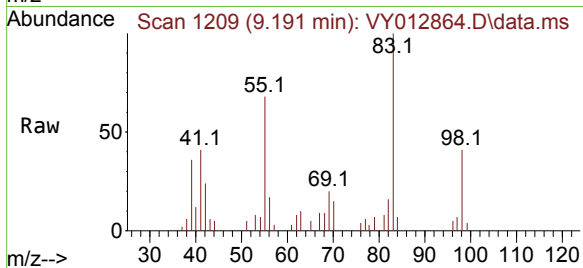
Tgt Ion: 83 Resp: 4713

Ion Ratio Lower Upper

83 100

55 68.2 60.0 90.0

98 41.1 38.3 57.5



#40

Benzene

Concen: 2.835 ug/l

RT: 8.161 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY012864.D

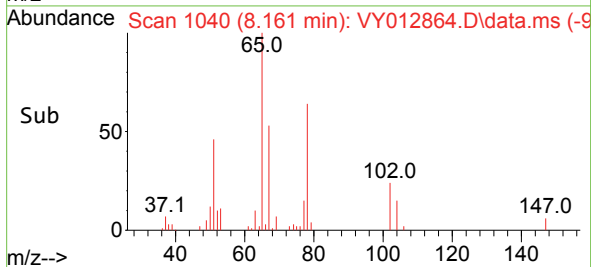
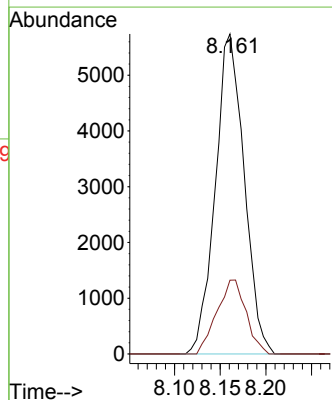
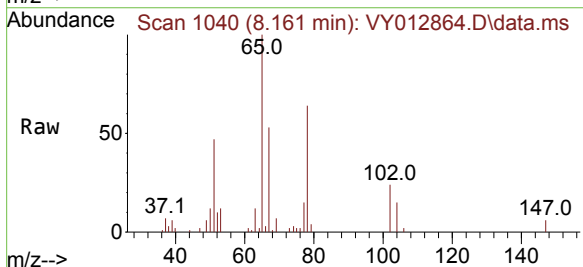
Acq: 08 Mar 2023 12:31

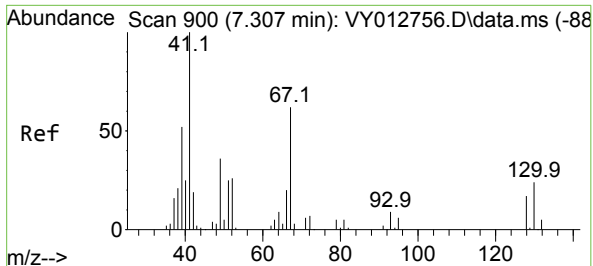
Tgt Ion: 78 Resp: 12590

Ion Ratio Lower Upper

78 100

77 23.0 19.4 29.0

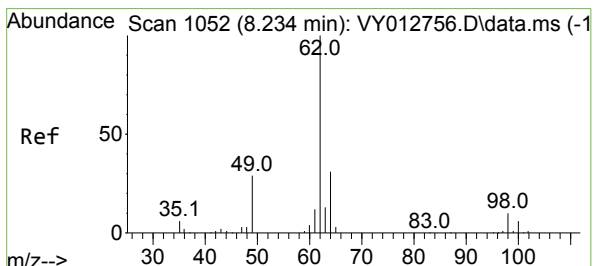
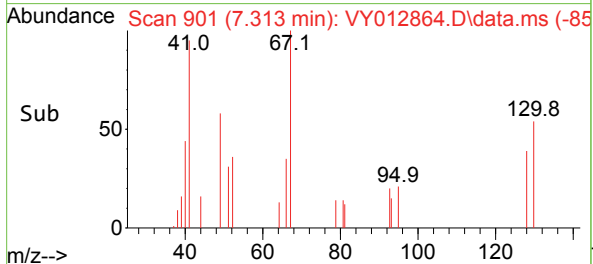
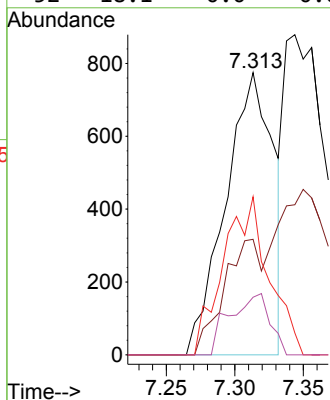
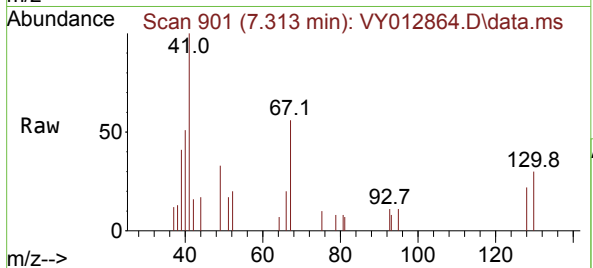




#41
Methacrylonitrile
Concen: 3.519 ug/l
RT: 7.313 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

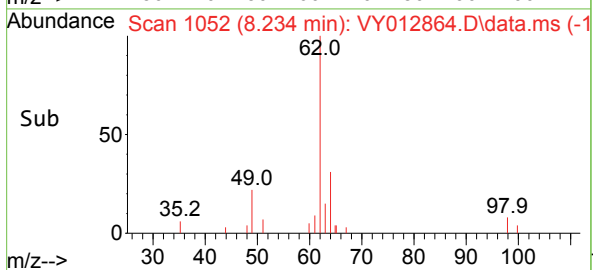
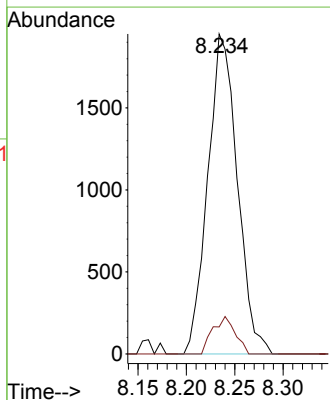
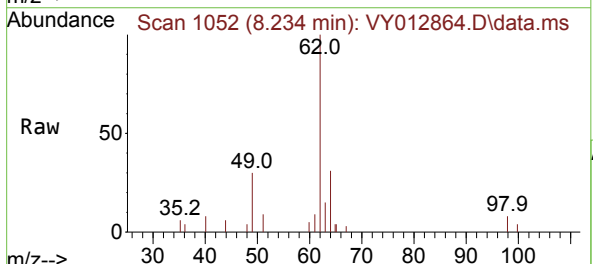
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

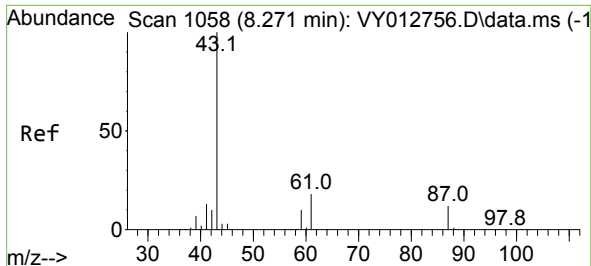
Tgt Ion:	41	Resp:	1876
Ion	Ratio	Lower	Upper
41	100		
39	31.9	0.0	0.0#
67	53.4	0.0	0.0#
52	18.1	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 3.103 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion:	62	Resp:	4143
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.8

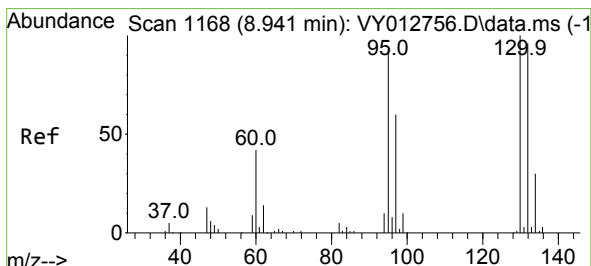
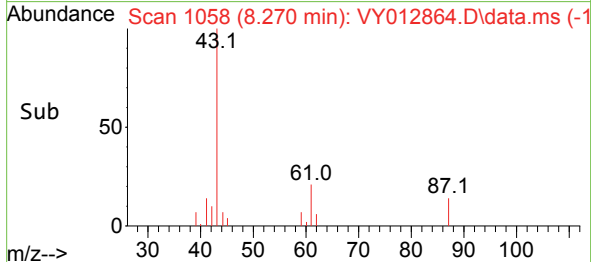
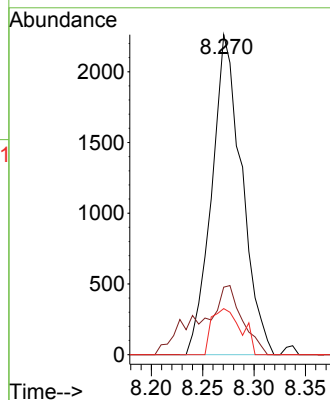
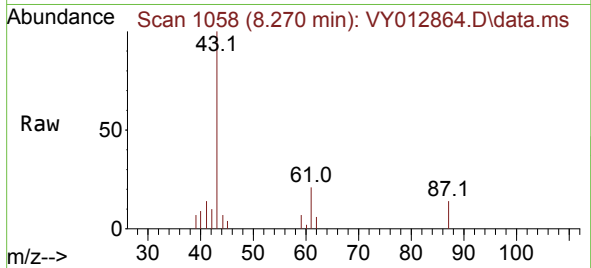




#43
Isopropyl Acetate
Concen: 2.611 ug/l
RT: 8.270 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

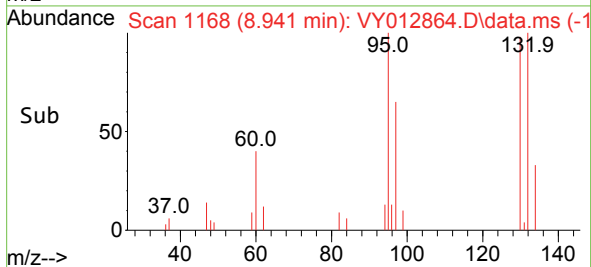
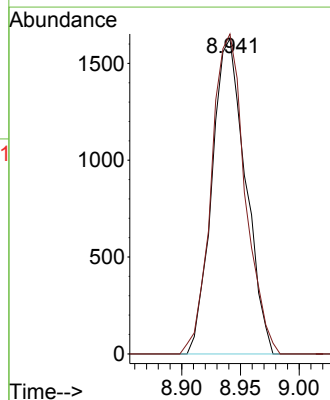
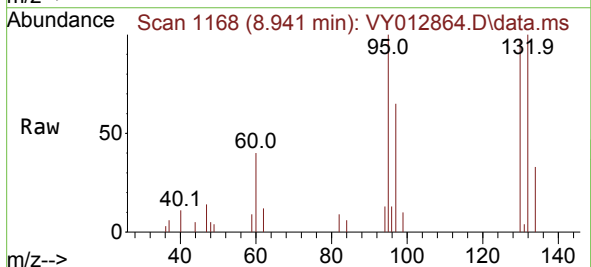
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022

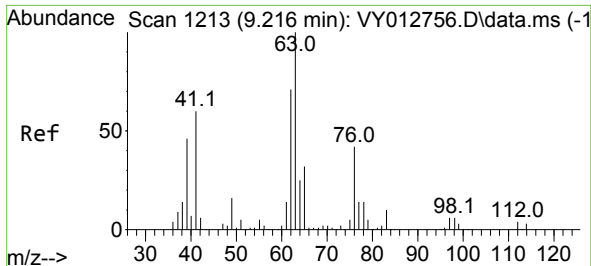
Tgt Ion:	43	Resp:	4609
Ion	Ratio	Lower	Upper
43	100		
61	30.9	21.6	32.4
87	14.1	9.9	14.9



#44
Trichloroethene
Concen: 2.763 ug/l
RT: 8.941 min Scan# 1168
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion:	130	Resp:	3235
Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	185.0





#45

1,2-Dichloropropane

Concen: 2.765 ug/l

RT: 9.215 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

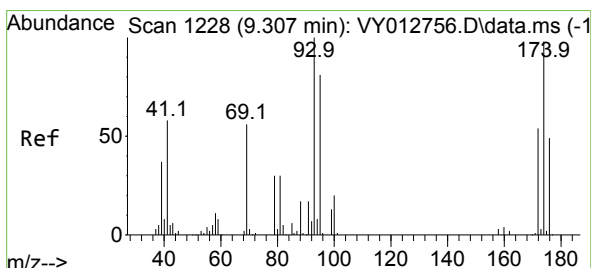
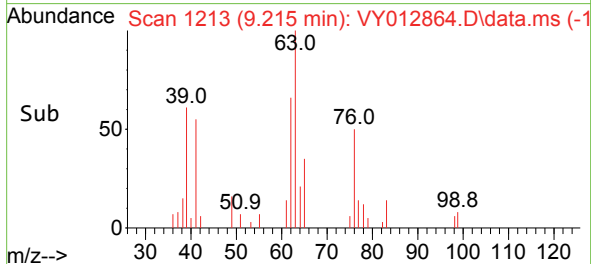
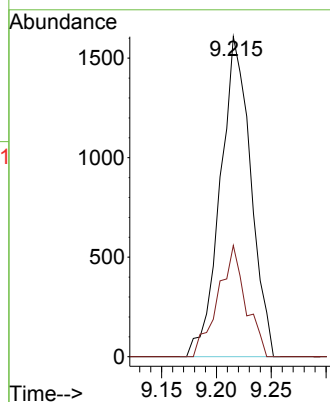
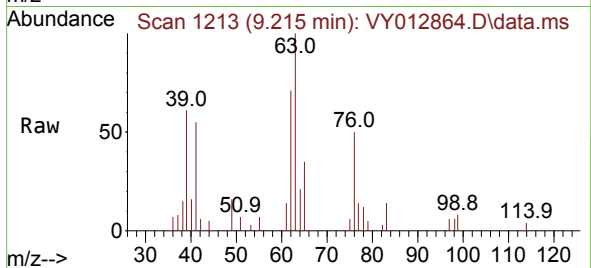
MDL-SOIL-03-QT1-2022

Tgt Ion: 63 Resp: 3103

Ion Ratio Lower Upper

63 100

65 34.8 25.7 38.5



#46

Dibromomethane

Concen: 2.942 ug/l

RT: 9.307 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

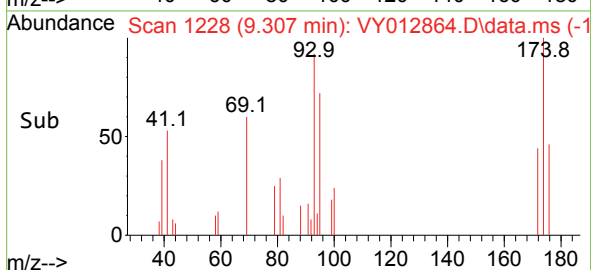
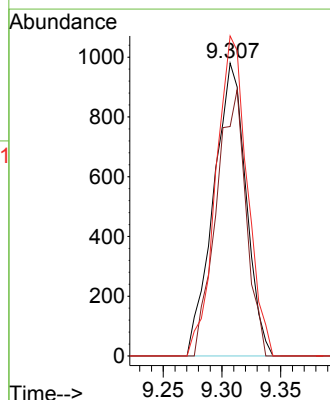
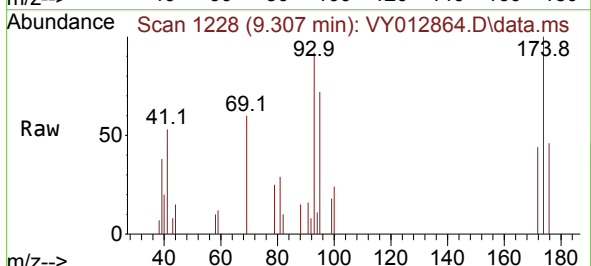
Tgt Ion: 93 Resp: 1881

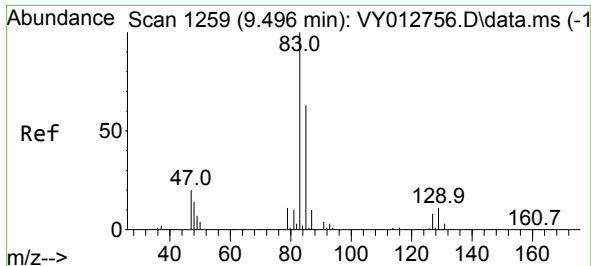
Ion Ratio Lower Upper

93 100

95 83.4 65.6 98.4

174 105.5 81.3 121.9

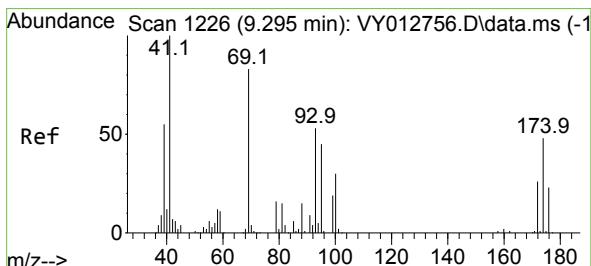
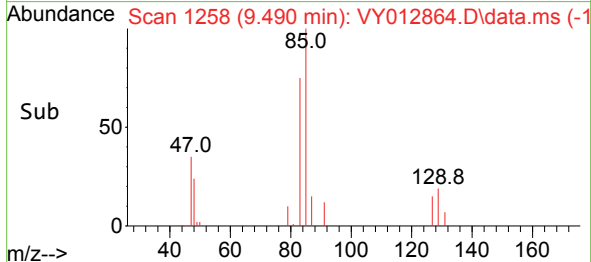
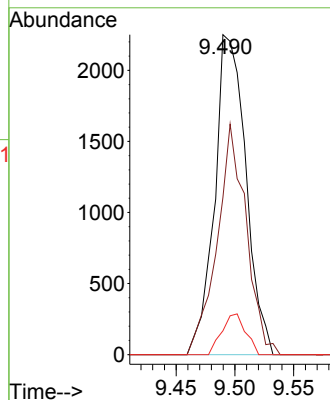
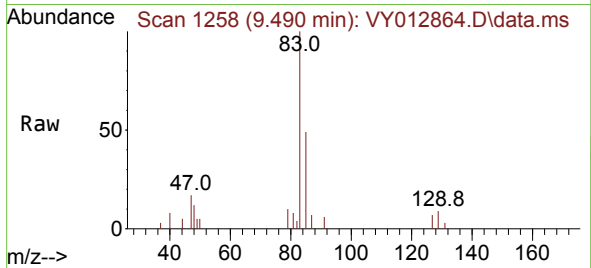




#47
Bromodichloromethane
Concen: 2.766 ug/l
RT: 9.490 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

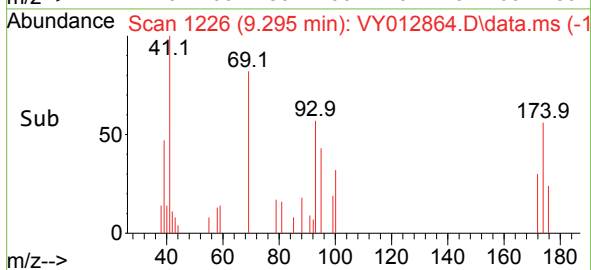
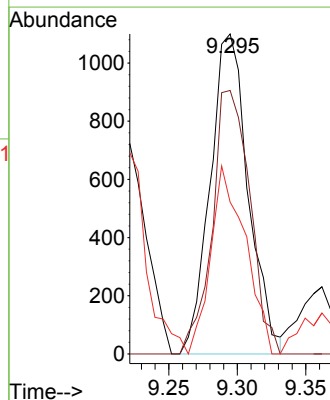
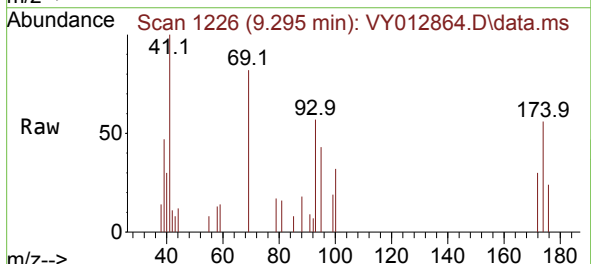
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

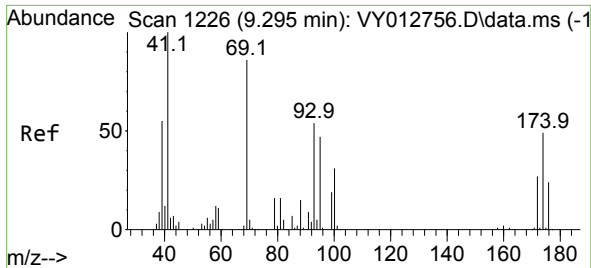
Tgt Ion: 83 Resp: 4168
Ion Ratio Lower Upper
83 100
85 49.1 50.2 75.4#
127 7.4 6.3 9.5



#48
Methyl methacrylate
Concen: 2.616 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 41 Resp: 2128
Ion Ratio Lower Upper
41 100
69 81.4 64.1 96.1
39 53.1 44.0 66.0

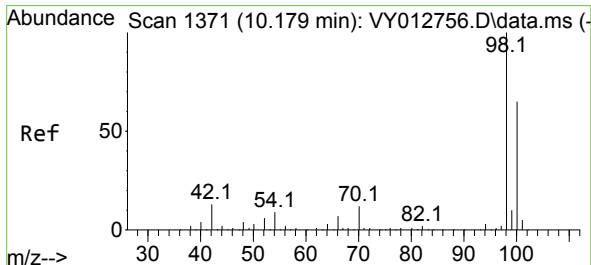
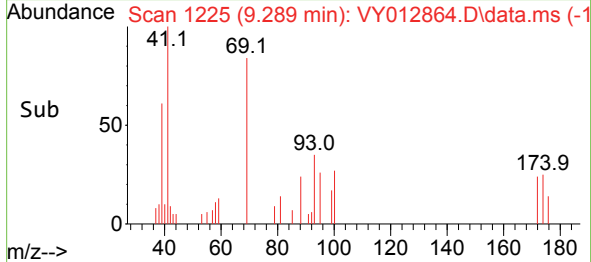
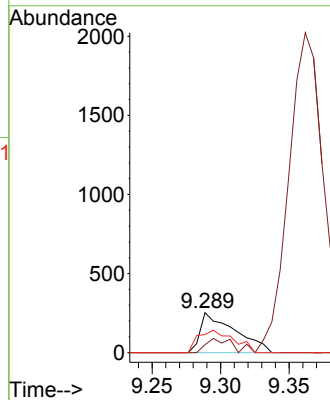
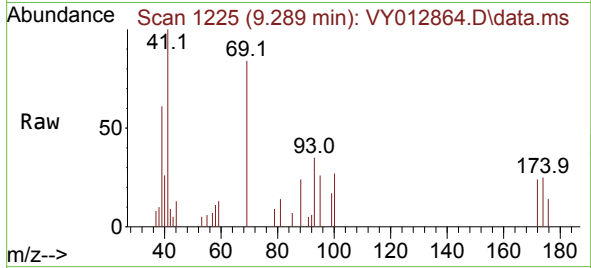




#49
1,4-Dioxane
Concen: 53.721 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

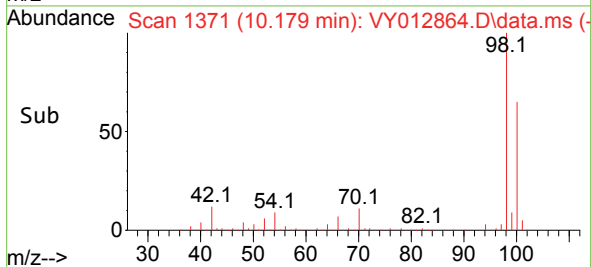
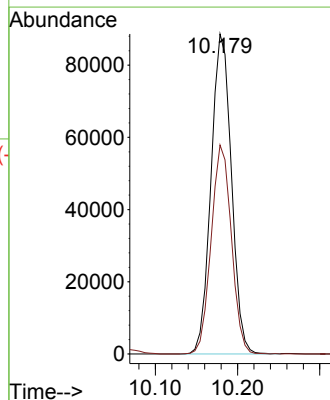
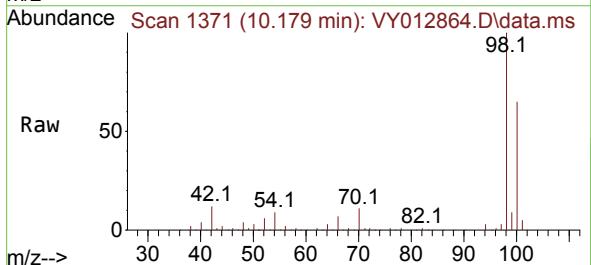
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

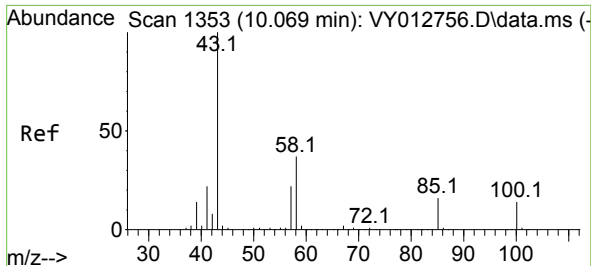
Tgt Ion: 88 Resp: 444
Ion Ratio Lower Upper
88 100
43 0.0 28.6 42.8#
58 57.4 55.2 82.8



#50
Toluene-d8
Concen: 44.520 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 98 Resp: 152460
Ion Ratio Lower Upper
98 100
100 64.8 50.9 76.3

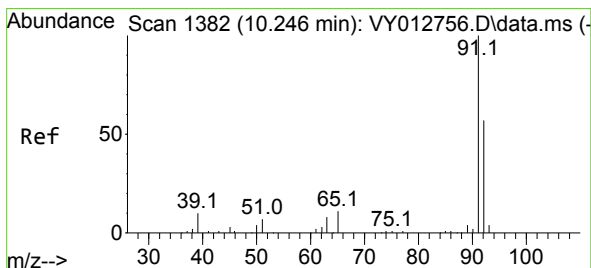
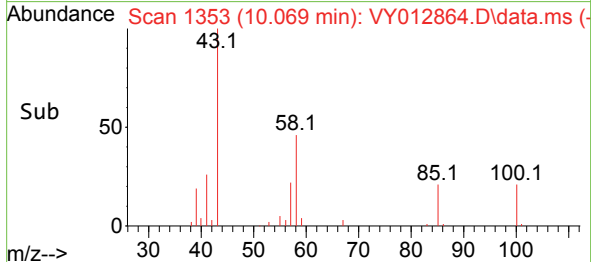
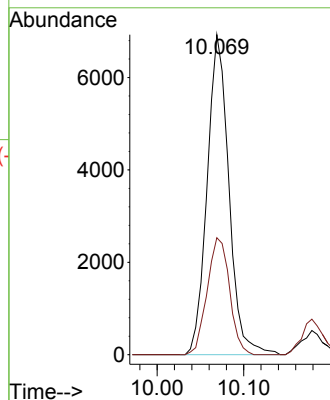
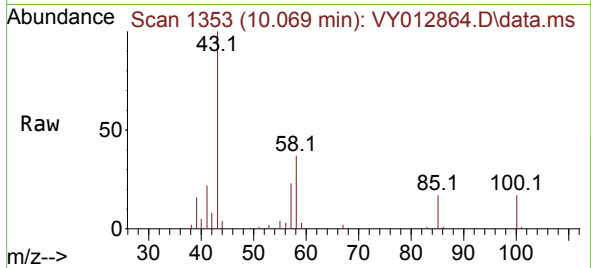




#51
4-Methyl-2-Pentanone
Concen: 12.612 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

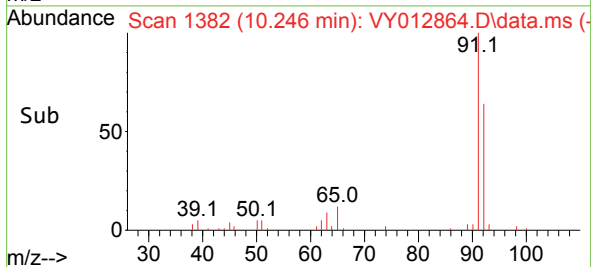
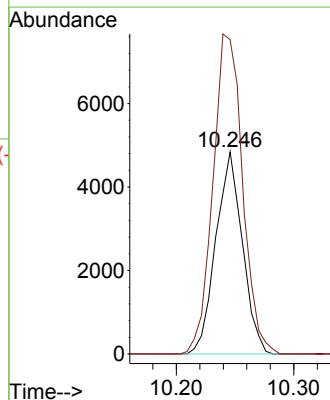
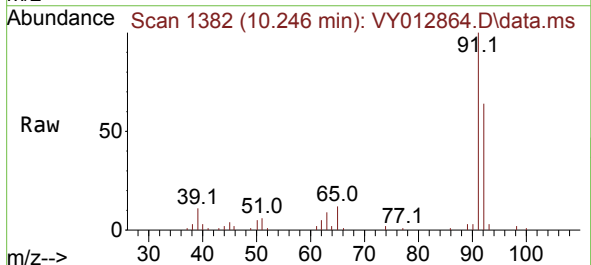
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

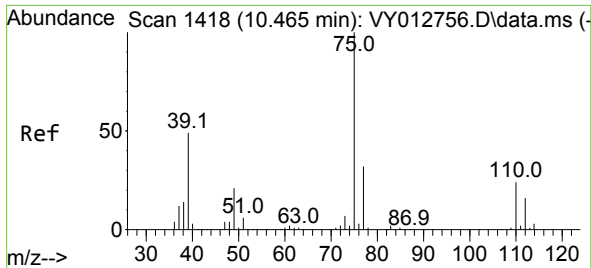
Tgt Ion: 43 Resp: 12076
Ion Ratio Lower Upper
43 100
58 37.6 29.8 44.6



#52
Toluene
Concen: 2.840 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 92 Resp: 7605
Ion Ratio Lower Upper
92 100
91 176.3 141.3 211.9

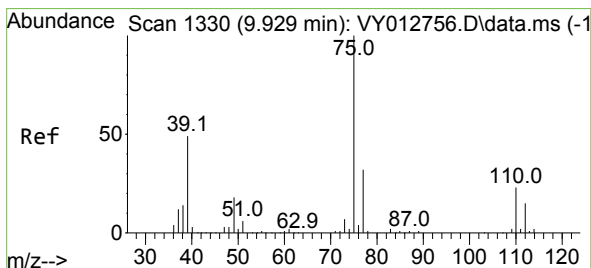
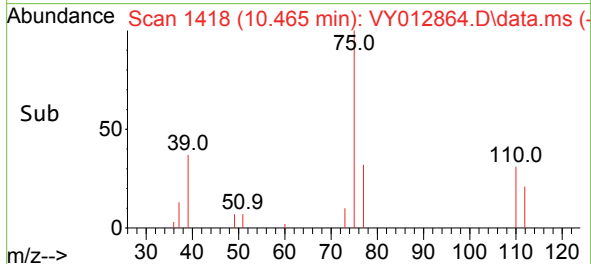
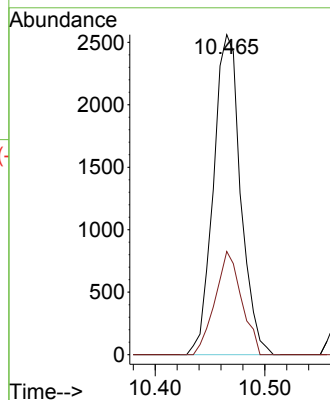
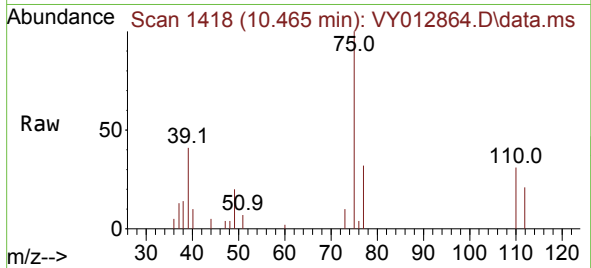




#53
 t-1,3-Dichloropropene
 Concen: 2.794 ug/l
 RT: 10.465 min Scan# 1418
 Delta R.T. -0.000 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

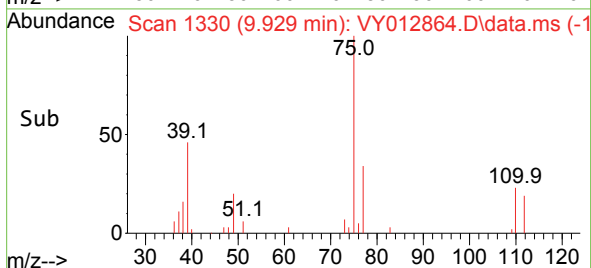
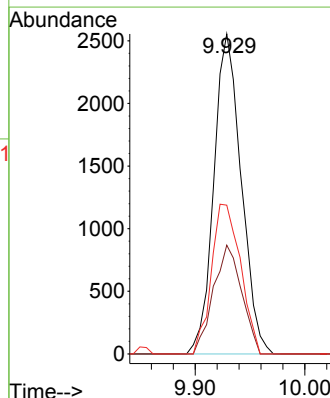
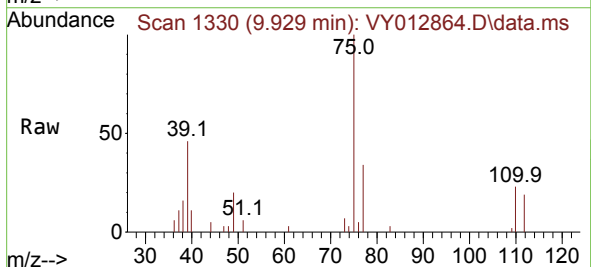
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

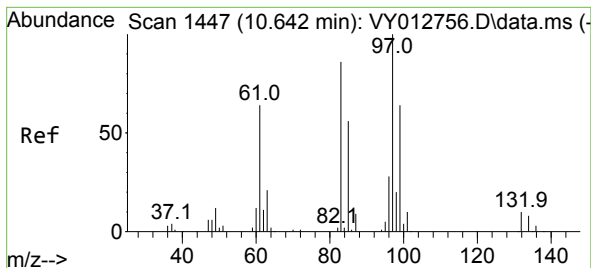
Tgt Ion: 75 Resp: 4416
 Ion Ratio Lower Upper
 75 100
 77 32.3 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 2.477 ug/l
 RT: 9.929 min Scan# 1330
 Delta R.T. -0.000 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

Tgt Ion: 75 Resp: 4431
 Ion Ratio Lower Upper
 75 100
 77 34.0 25.4 38.0
 39 46.5 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 2.952 ug/l

RT: 10.648 min Scan# 1448

Delta R.T. 0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion: 97 Resp: 2628

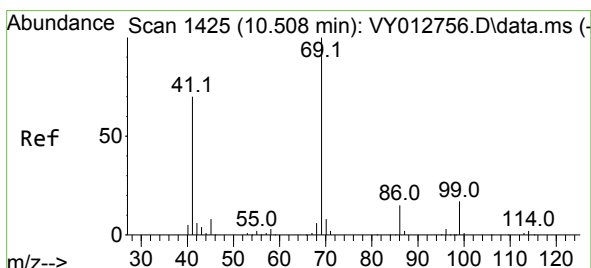
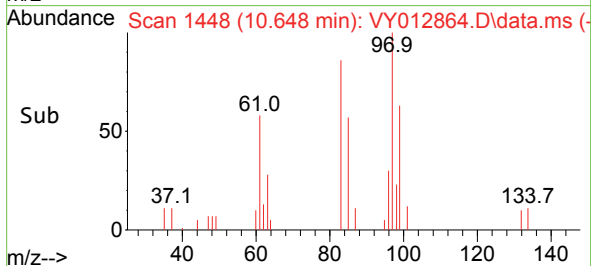
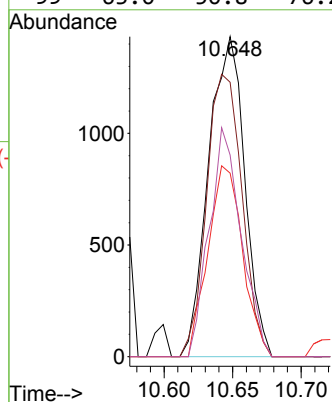
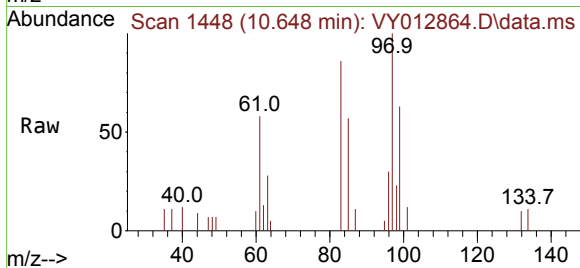
Ion Ratio Lower Upper

97 100

83 85.8 69.0 103.6

85 57.4 44.9 67.3

99 63.0 50.8 76.2



#56

Ethyl methacrylate

Concen: 2.440 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

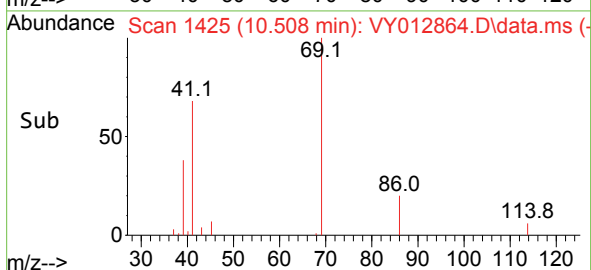
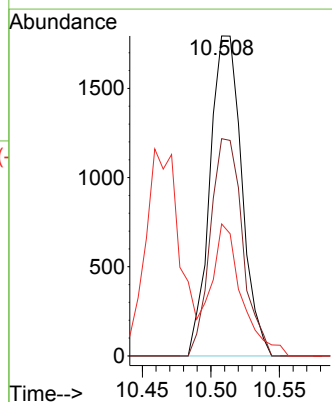
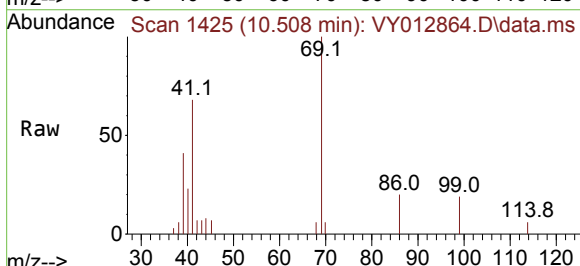
Tgt Ion: 69 Resp: 2897

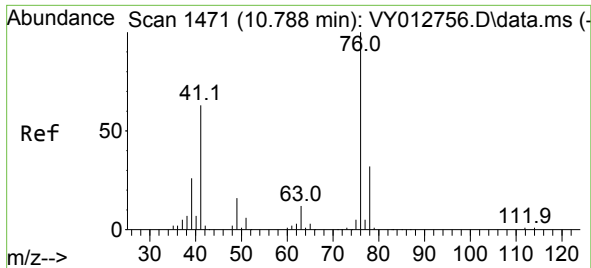
Ion Ratio Lower Upper

69 100

41 68.9 56.4 84.6

39 39.5 30.8 46.2

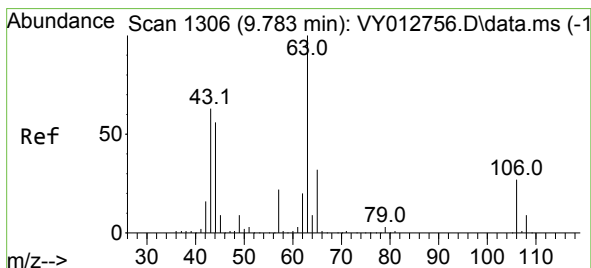
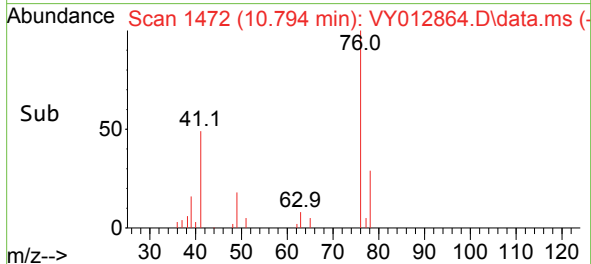
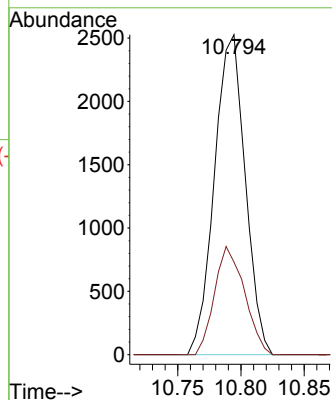
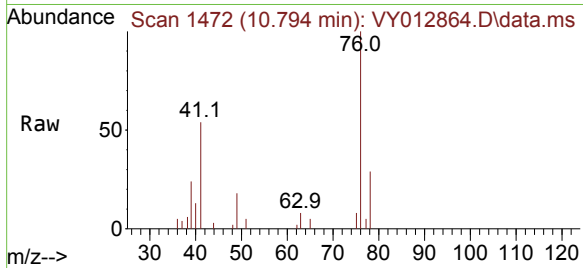




#57
1,3-Dichloropropane
Concen: 2.820 ug/l
RT: 10.794 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

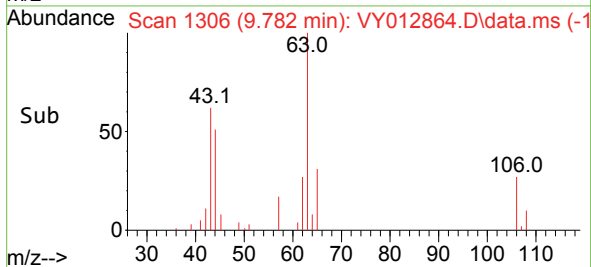
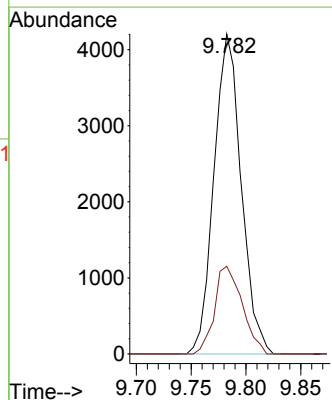
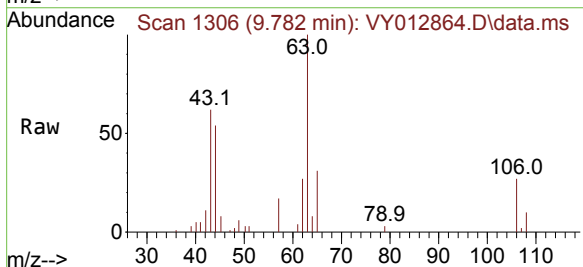
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022

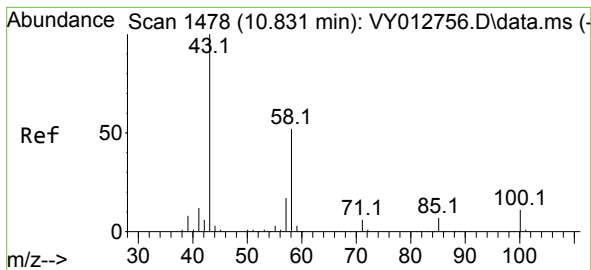
Tgt Ion: 76 Resp: 4276
Ion Ratio Lower Upper
76 100
78 32.9 26.2 39.4



#58
2-Chloroethyl Vinyl ether
Concen: 11.668 ug/l
RT: 9.782 min Scan# 1306
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 63 Resp: 7272
Ion Ratio Lower Upper
63 100
106 27.8 22.1 33.1





#59

2-Hexanone

Concen: 12.855 ug/l

RT: 10.837 min Scan# 1478

Delta R.T. 0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

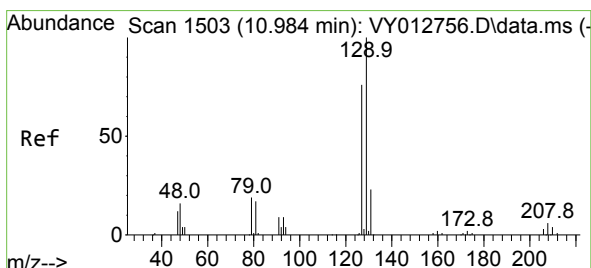
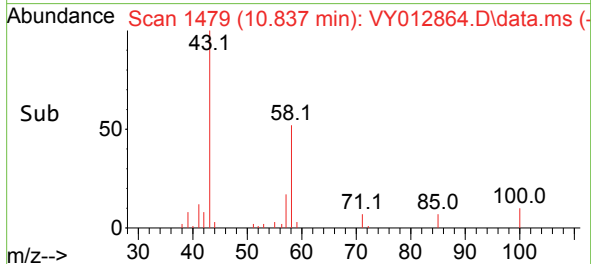
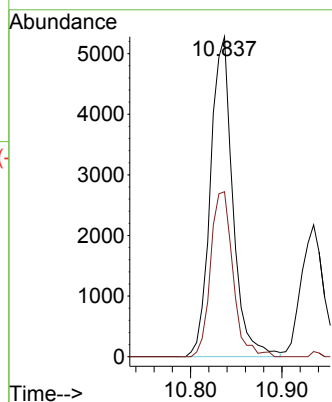
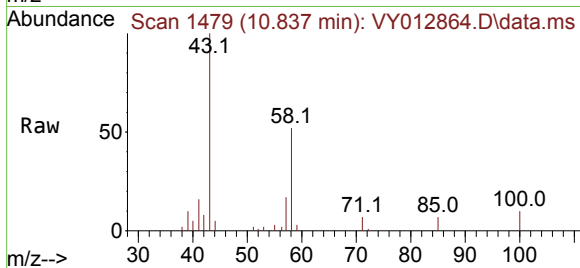
MDL-SOIL-03-QT1-2022

Tgt Ion: 43 Resp: 8946

Ion Ratio Lower Upper

43 100

58 51.6 25.9 77.8



#60

Dibromochloromethane

Concen: 2.839 ug/l

RT: 10.983 min Scan# 1503

Delta R.T. -0.000 min

Lab File: VY012864.D

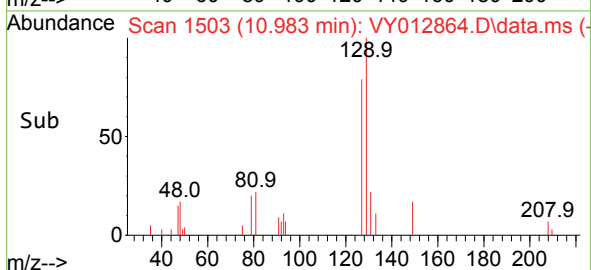
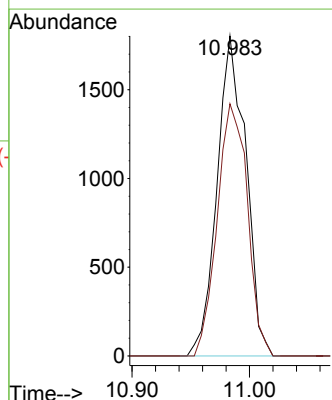
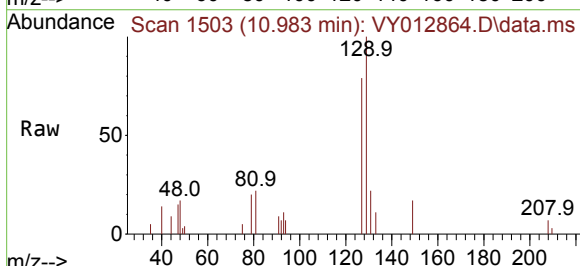
Acq: 08 Mar 2023 12:31

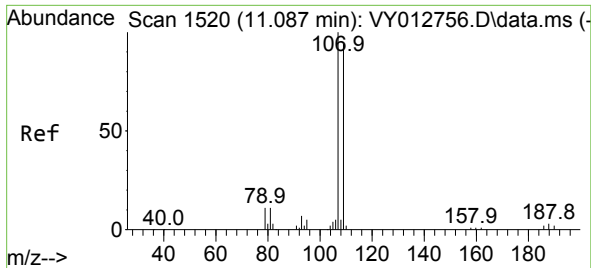
Tgt Ion: 129 Resp: 3077

Ion Ratio Lower Upper

129 100

127 82.4 38.7 116.1

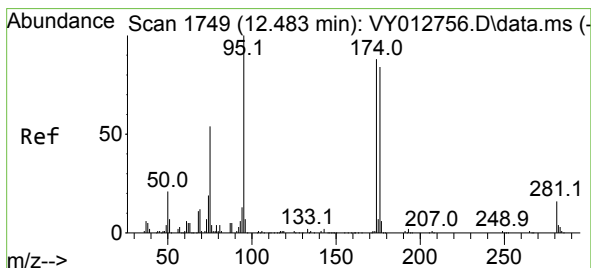
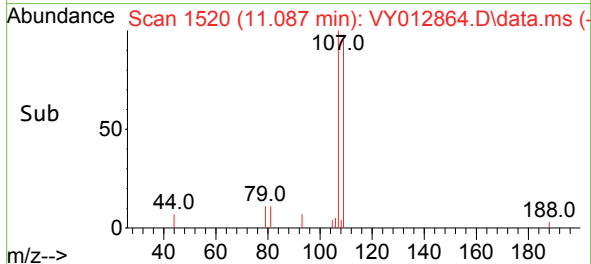
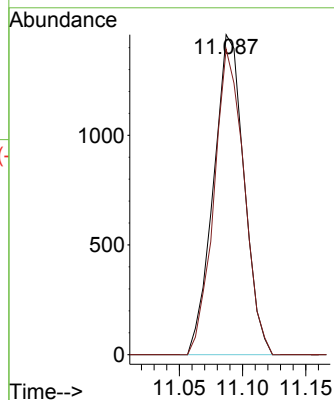
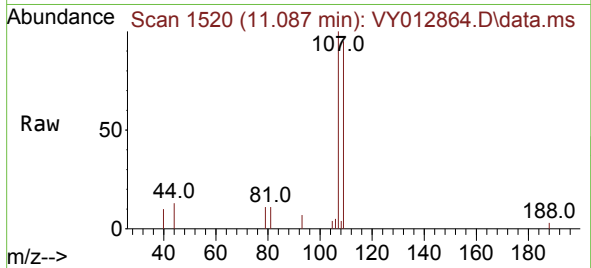




#61
1,2-Dibromoethane
Concen: 2.860 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

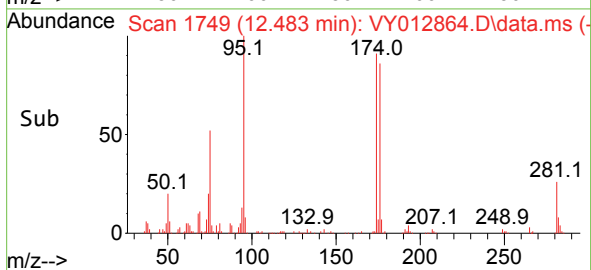
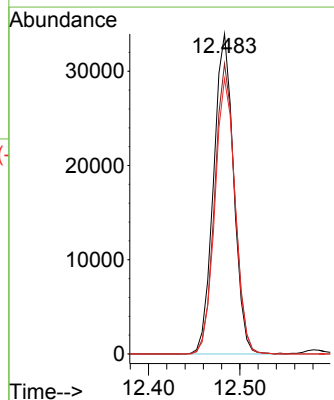
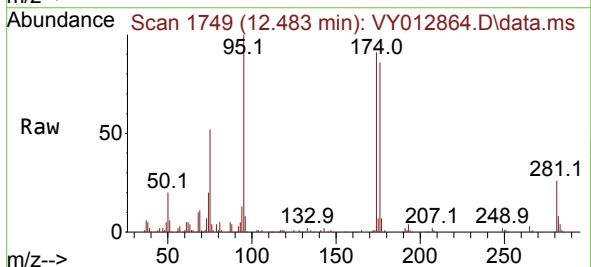
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

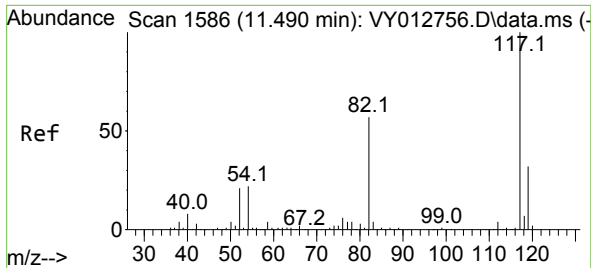
Tgt Ion:107 Resp: 2453
Ion Ratio Lower Upper
107 100
109 93.7 75.0 112.6



#62
4-Bromofluorobenzene
Concen: 44.767 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 95 Resp: 51745
Ion Ratio Lower Upper
95 100
174 91.2 0.0 176.6
176 86.9 0.0 170.2

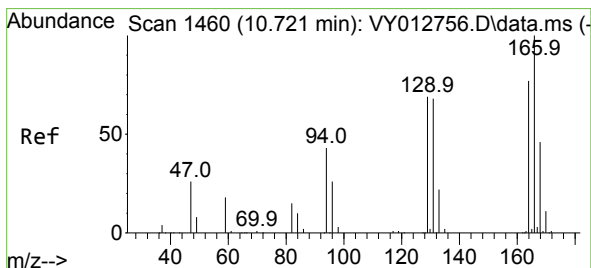
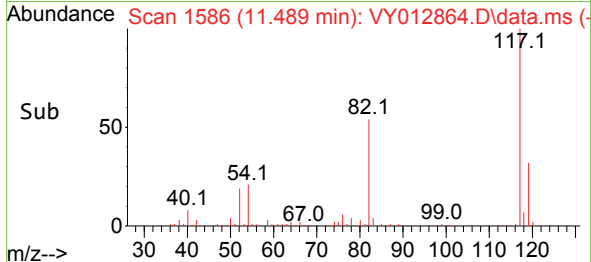
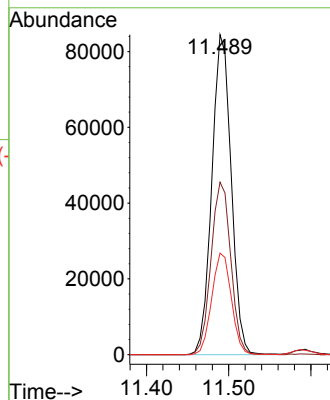
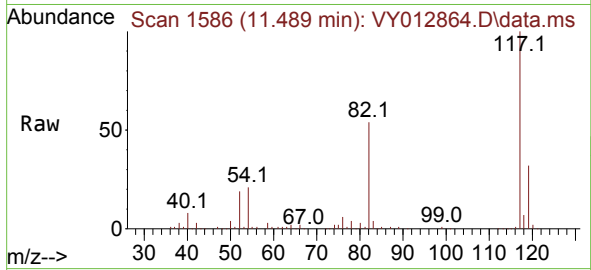




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

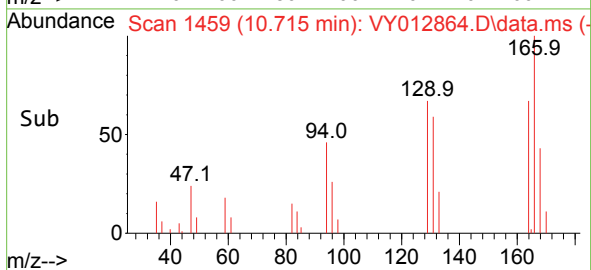
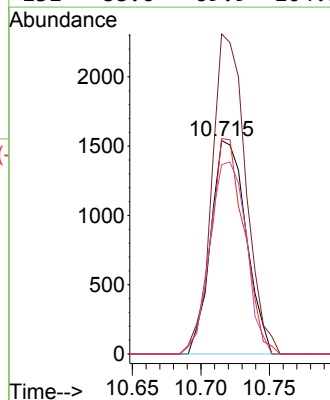
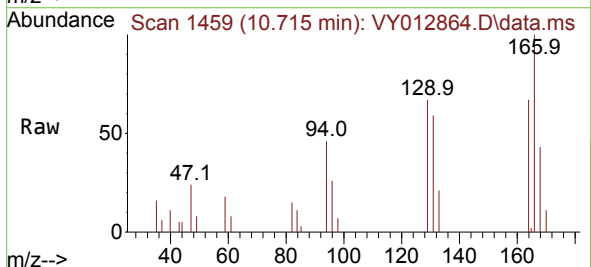
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

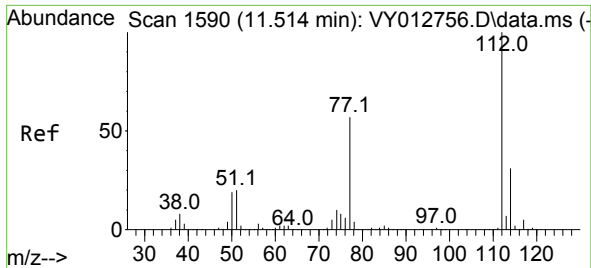
Tgt Ion:117 Resp: 138334
Ion Ratio Lower Upper
117 100
82 53.9 45.4 68.0
119 31.7 25.6 38.4



#64
Tetrachloroethene
Concen: 2.732 ug/l
RT: 10.715 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion:164 Resp: 2752
Ion Ratio Lower Upper
164 100
166 149.9 103.4 155.2
129 100.9 71.4 107.2
131 88.6 69.9 104.9

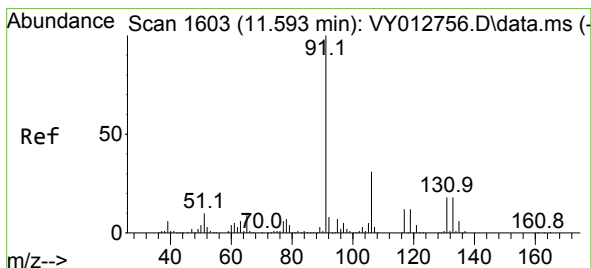
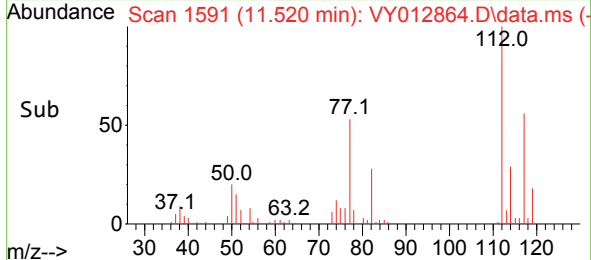
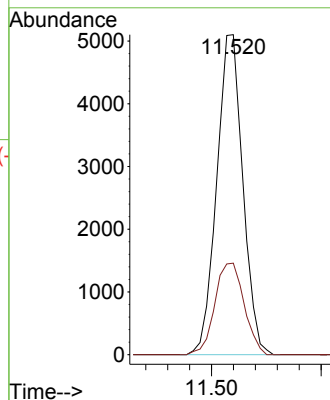
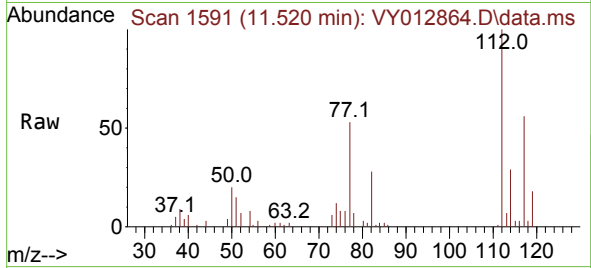




#65
Chlorobenzene
Concen: 2.907 ug/l
RT: 11.520 min Scan# 1150
Delta R.T. 0.006 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

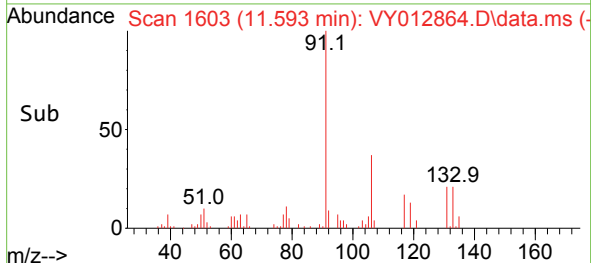
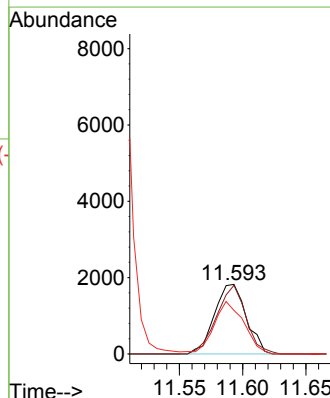
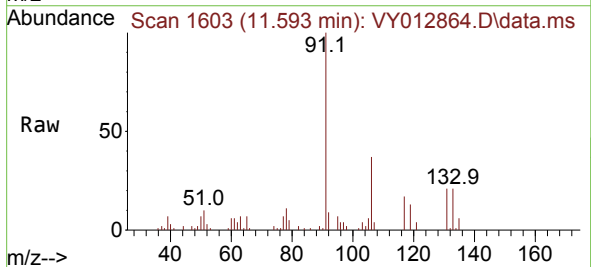
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

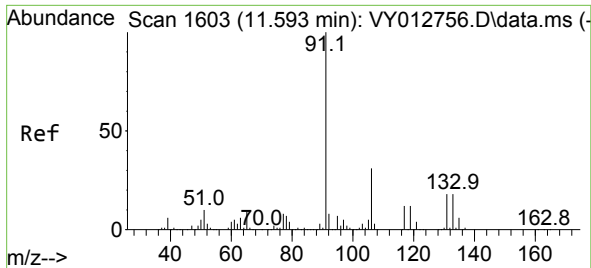
Tgt Ion:112 Resp: 8439
Ion Ratio Lower Upper
112 100
114 28.6 24.5 36.7



#66
1,1,1,2-Tetrachloroethane
Concen: 2.955 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion:131 Resp: 3175
Ion Ratio Lower Upper
131 100
133 91.3 48.0 144.0
119 71.6 32.6 98.0

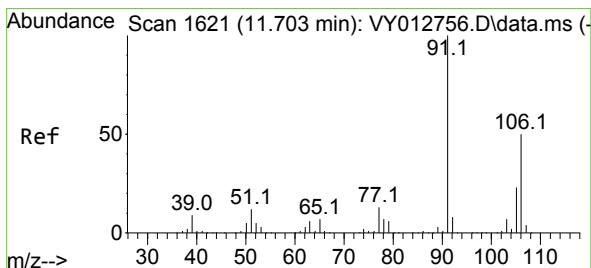
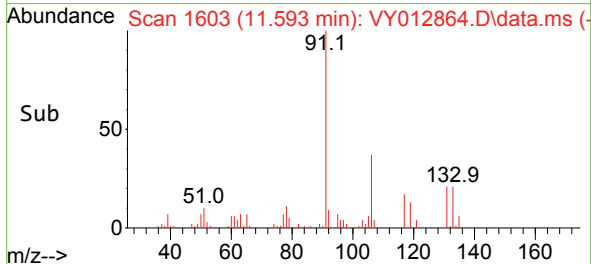
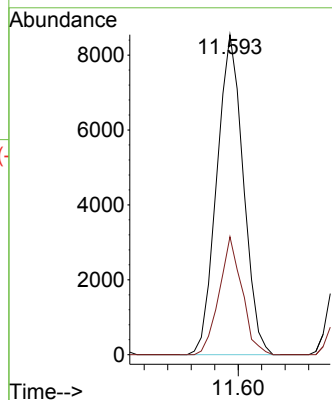
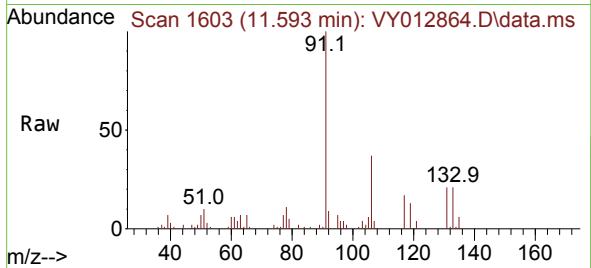




#67
Ethyl Benzene
Concen: 2.622 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

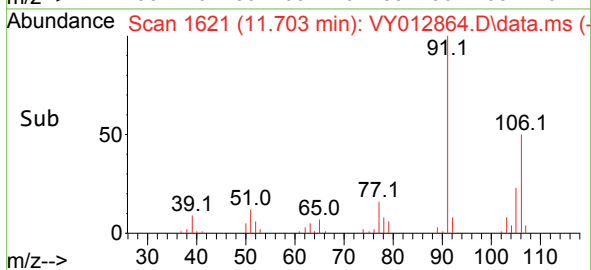
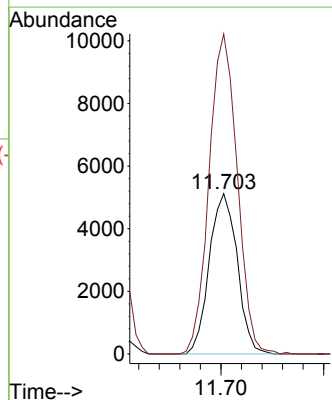
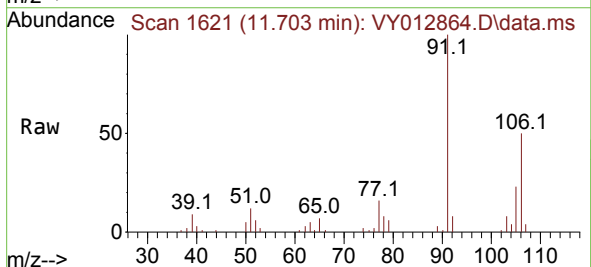
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT1-2022

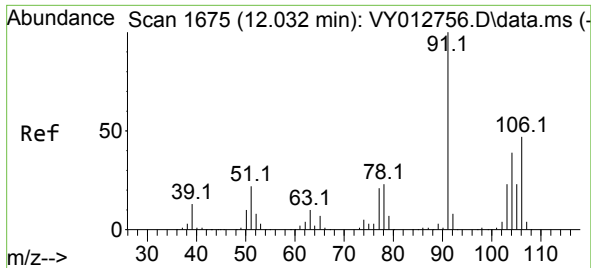
Tgt Ion: 91 Resp: 13385
Ion Ratio Lower Upper
91 100
106 36.9 25.1 37.7



#68
m/p-Xylenes
Concen: 4.917 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 106 Resp: 9655
Ion Ratio Lower Upper
106 100
91 201.3 159.8 239.8

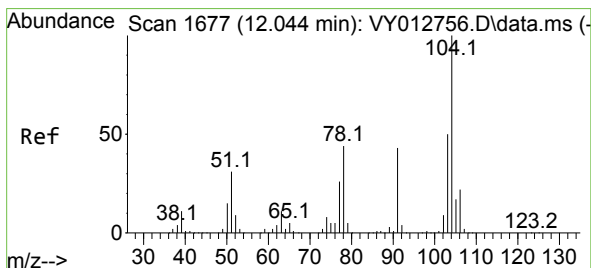
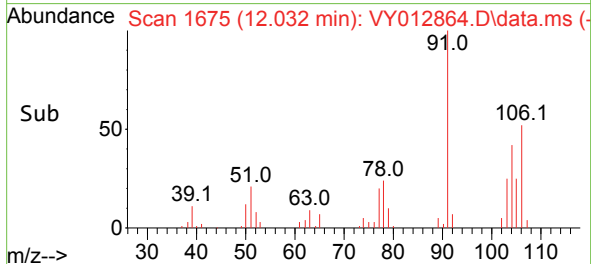
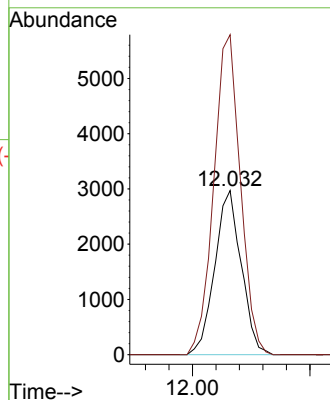
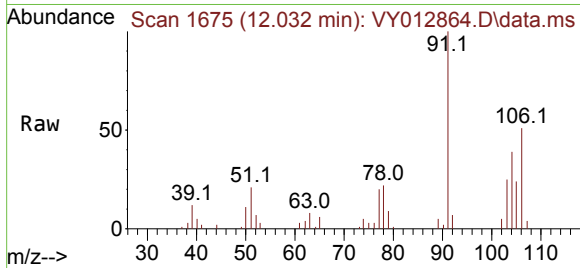




#69
o-Xylene
Concen: 2.538 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

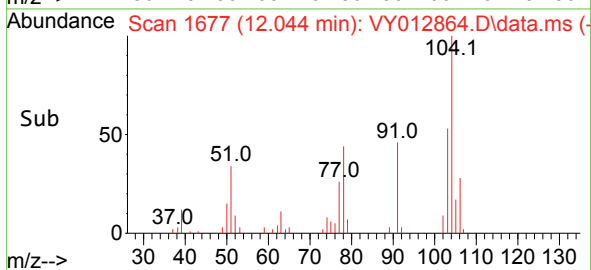
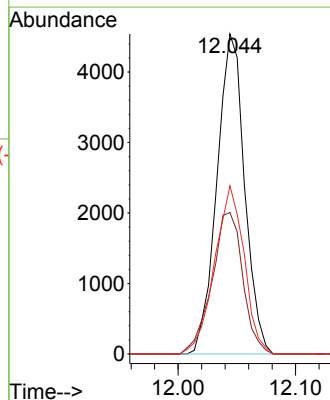
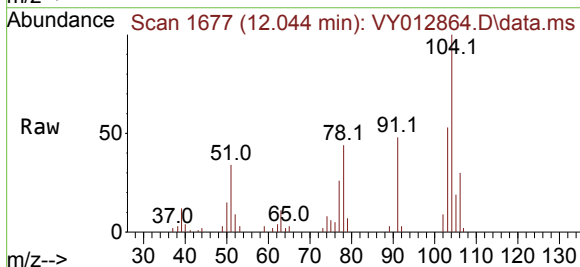
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

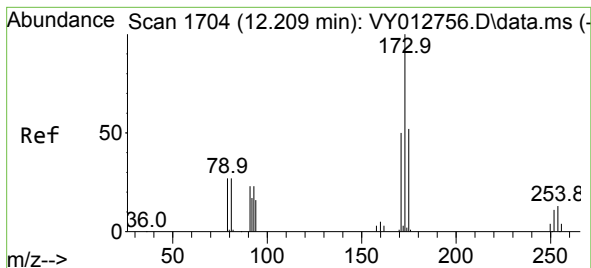
Tgt Ion:106 Resp: 4651
Ion Ratio Lower Upper
106 100
91 196.0 107.2 321.6



#70
Styrene
Concen: 2.430 ug/l
RT: 12.044 min Scan# 1677
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion:104 Resp: 7433
Ion Ratio Lower Upper
104 100
78 49.4 39.2 58.8
103 56.0 43.7 65.5





#71

Bromoform

Concen: 2.904 ug/l

RT: 12.209 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

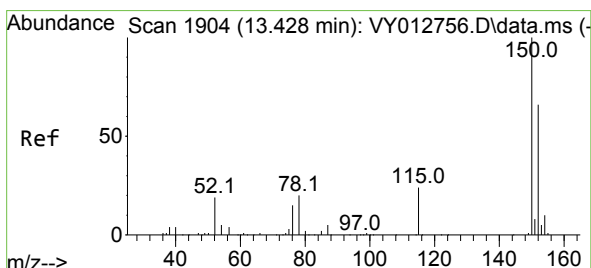
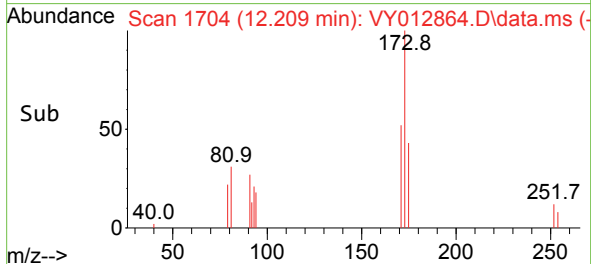
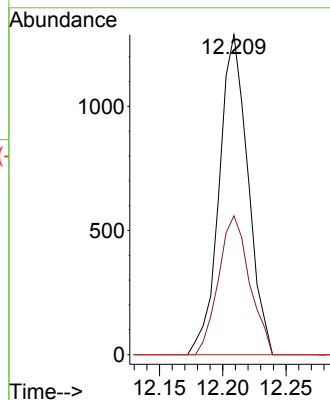
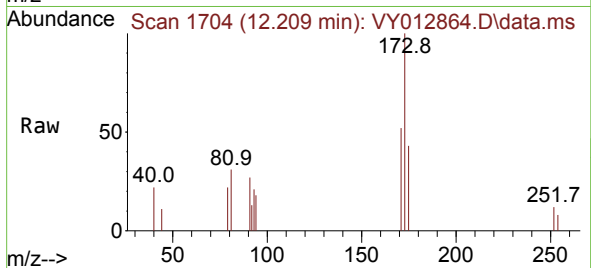
Tgt Ion:173 Resp: 2034

Ion Ratio Lower Upper

173 100

175 46.9 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: VY012864.D

Acq: 08 Mar 2023 12:31

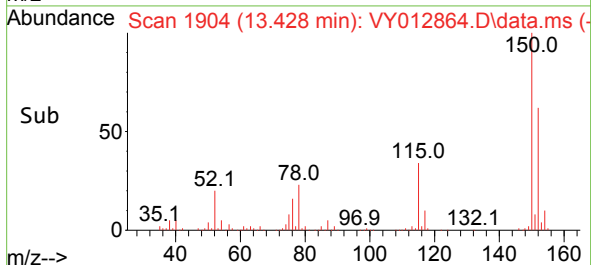
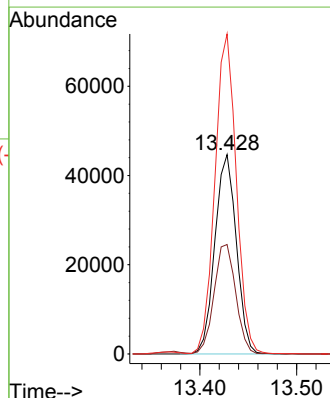
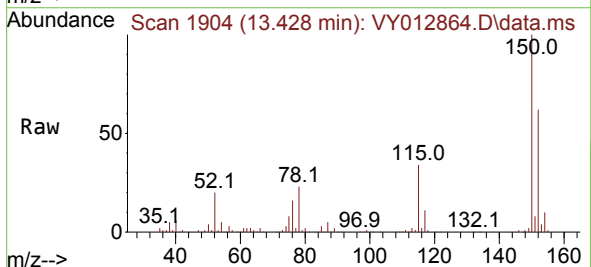
Tgt Ion:152 Resp: 68869

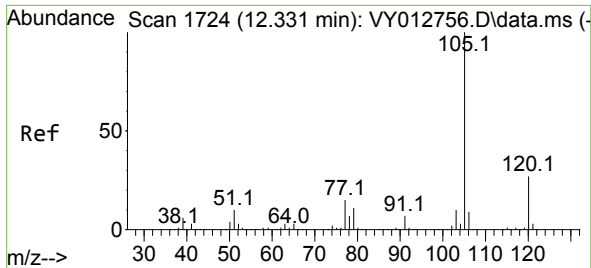
Ion Ratio Lower Upper

152 100

115 55.8 27.1 81.3

150 160.1 0.0 347.8

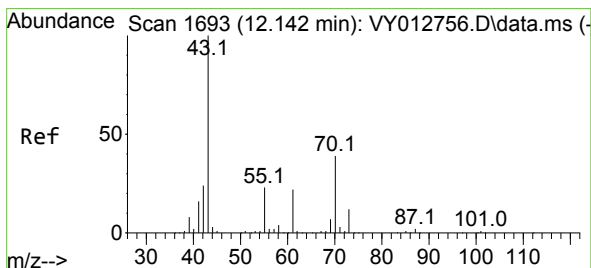
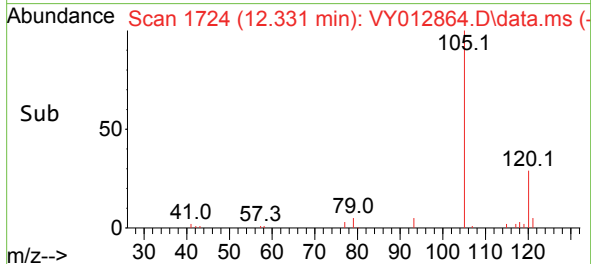
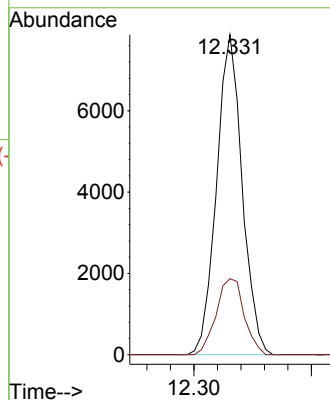
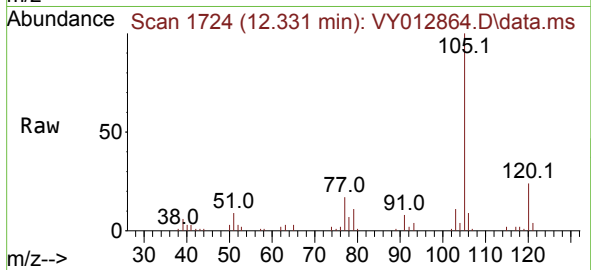




#73
Isopropylbenzene
Concen: 2.439 ug/l
RT: 12.331 min Scan# 11903
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

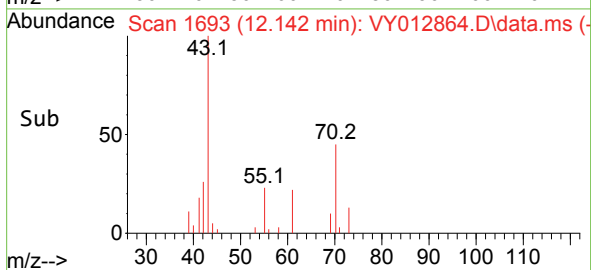
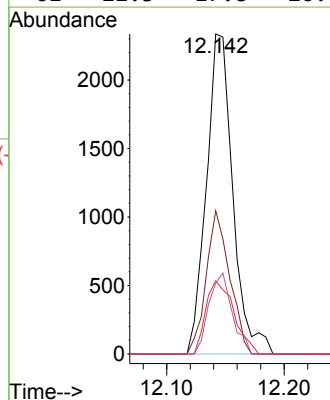
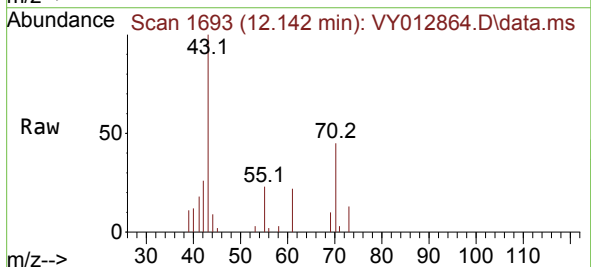
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

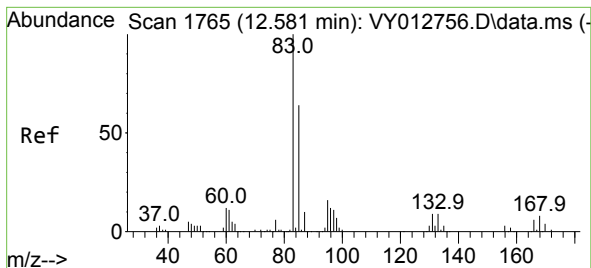
Tgt Ion:105 Resp: 11903
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.2



#74
N-ethyl acetate
Concen: 2.376 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 43 Resp: 3649
Ion Ratio Lower Upper
43 100
70 39.7 31.6 47.4
55 24.3 18.8 28.2
61 22.3 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 3.202 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

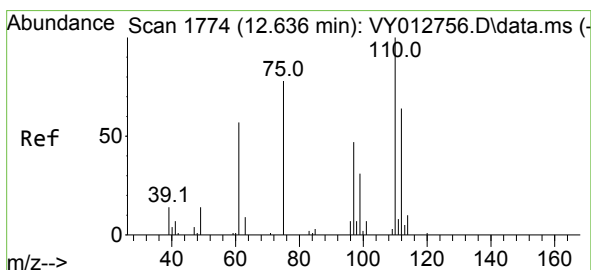
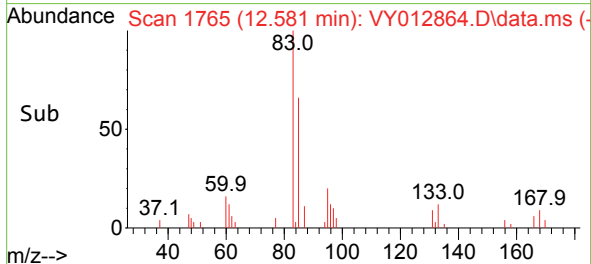
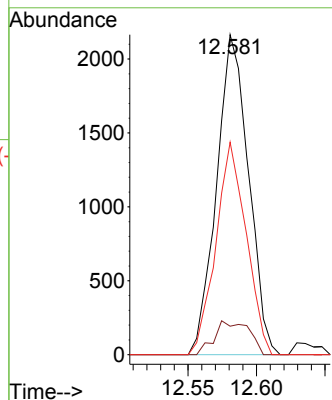
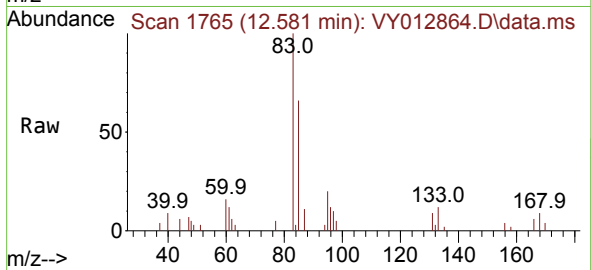
Tgt Ion: 83 Resp: 3513

Ion Ratio Lower Upper

83 100

131 11.4 5.1 15.2

85 63.0 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 5.108 ug/l

RT: 12.636 min Scan# 1774

Delta R.T. -0.000 min

Lab File: VY012864.D

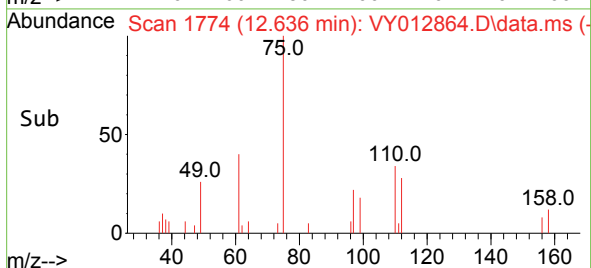
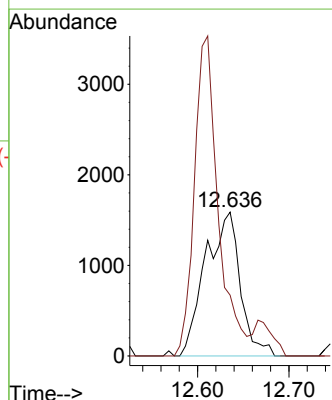
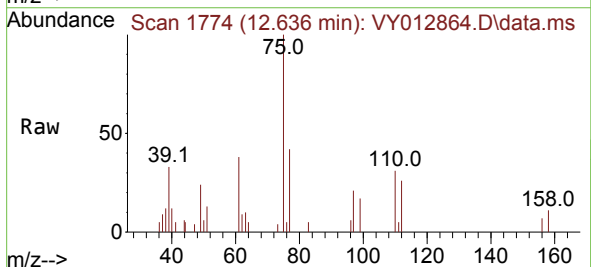
Acq: 08 Mar 2023 12:31

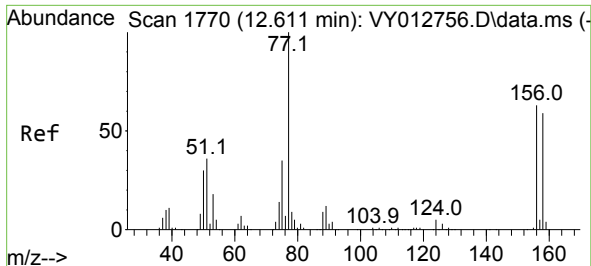
Tgt Ion: 75 Resp: 4201

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

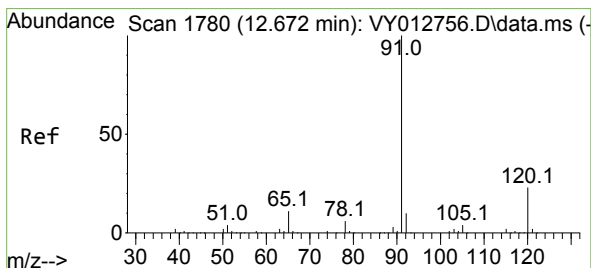
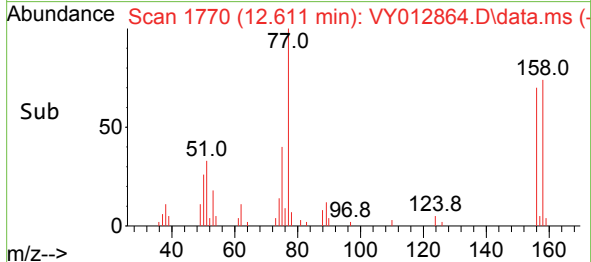
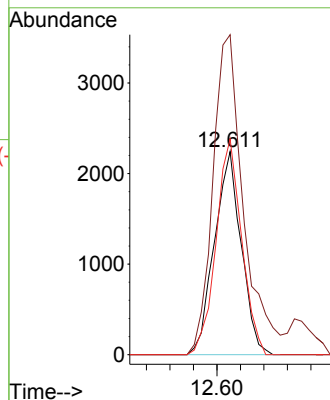
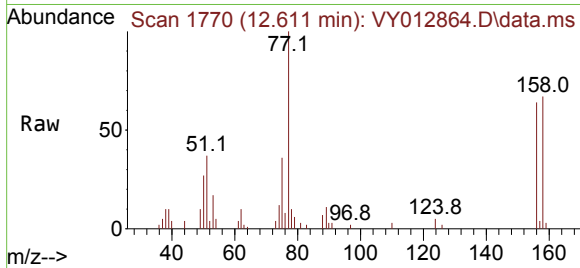




#77
Bromobenzene
Concen: 2.991 ug/l
RT: 12.611 min Scan# 1770
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

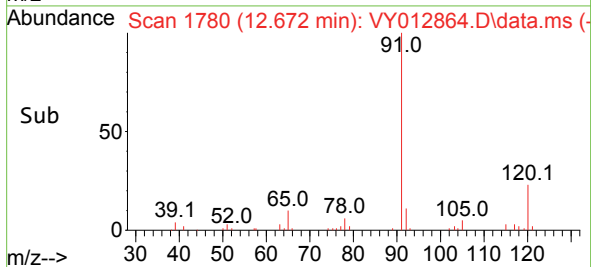
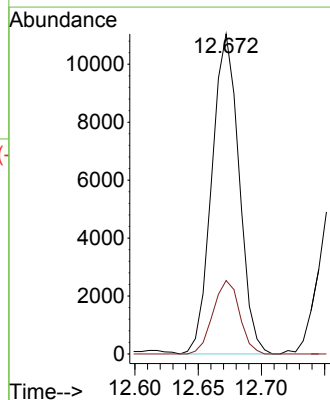
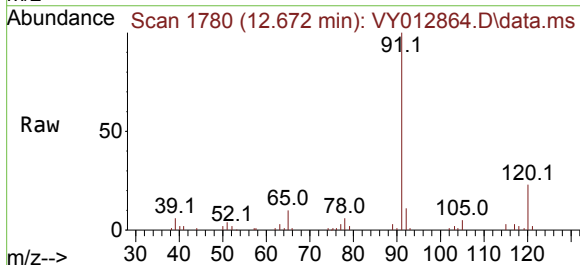
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

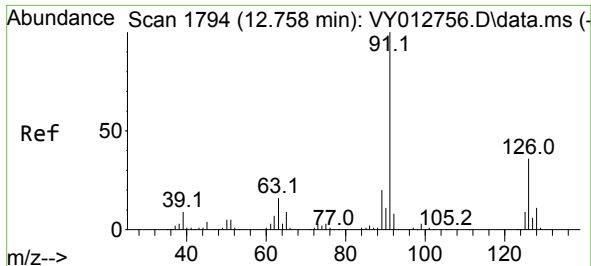
Tgt Ion:156 Resp: 3546
Ion Ratio Lower Upper
156 100
77 179.5 94.0 282.1
158 101.6 48.1 144.4



#78
n-propylbenzene
Concen: 2.745 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 91 Resp: 16519
Ion Ratio Lower Upper
91 100
120 22.3 11.6 34.8





#79

2-Chlorotoluene

Concen: 2.703 ug/l

RT: 12.757 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

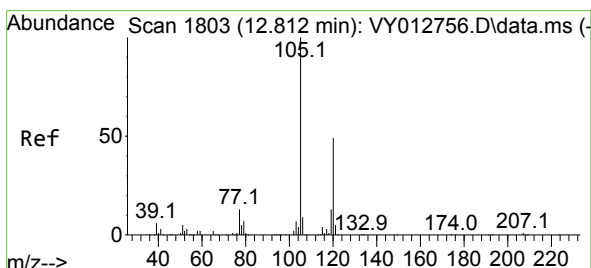
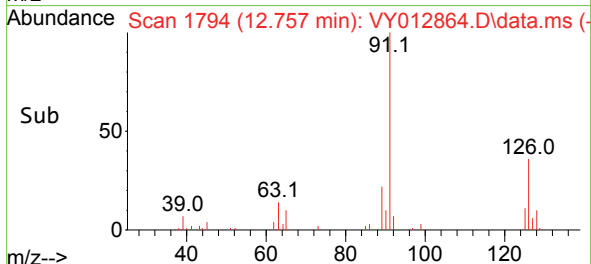
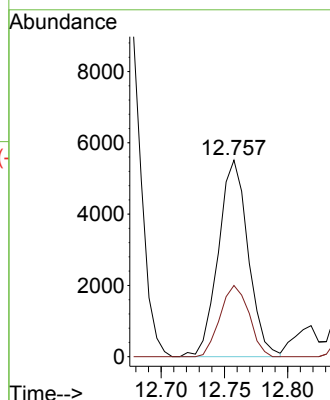
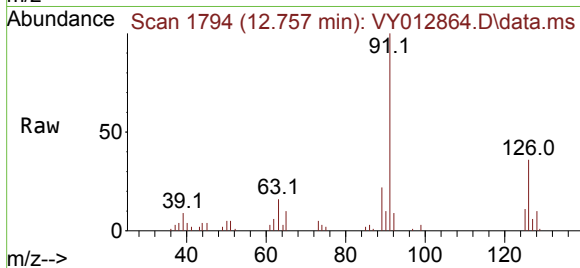
MDL-SOIL-03-QT1-2022

Tgt Ion: 91 Resp: 9041

Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.2



#80

1,3,5-Trimethylbenzene

Concen: 2.593 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY012864.D

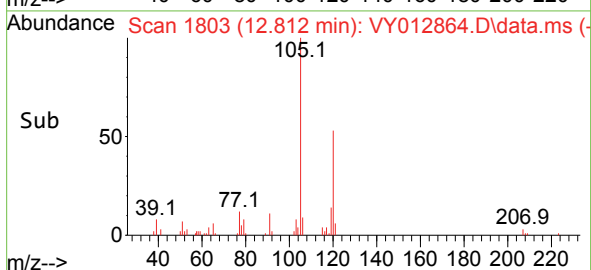
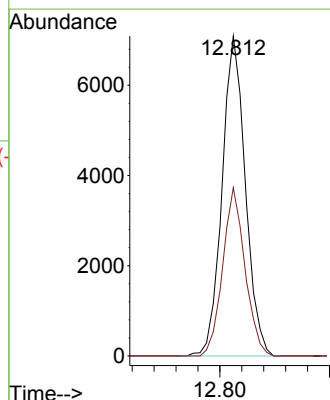
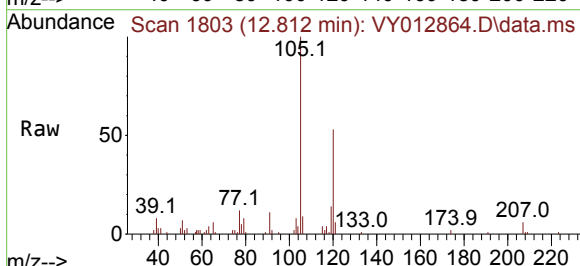
Acq: 08 Mar 2023 12:31

Tgt Ion:105 Resp: 10444

Ion Ratio Lower Upper

105 100

120 50.3 24.8 74.4

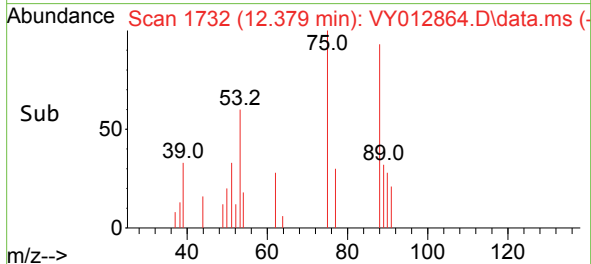
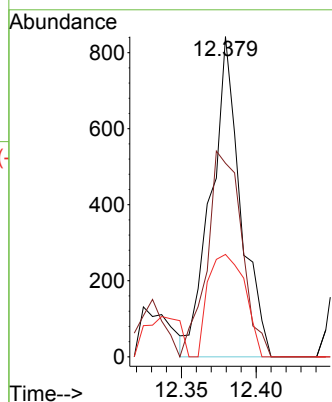
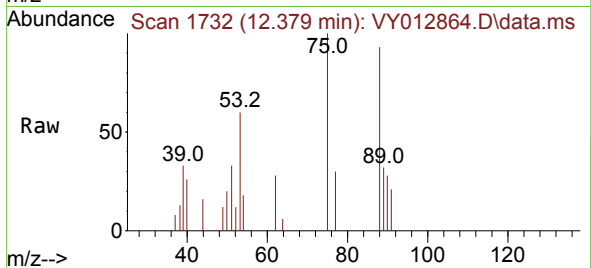




#81
trans-1,4-Dichloro-2-butene
Concen: 2.900 ug/l
RT: 12.379 min Scan# 1151
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

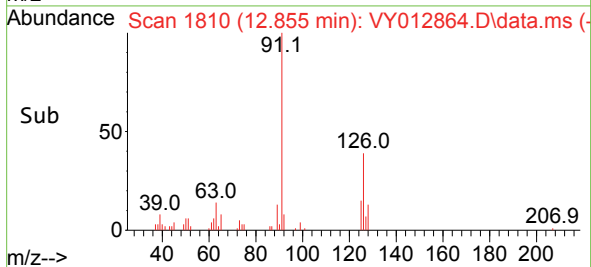
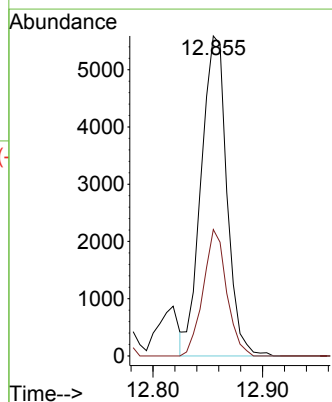
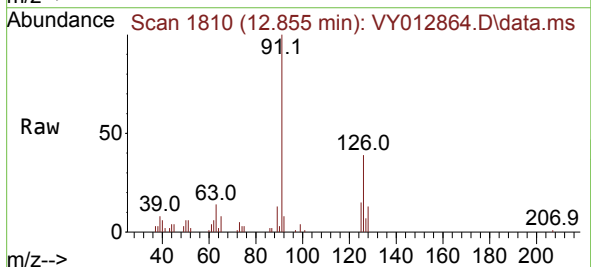
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

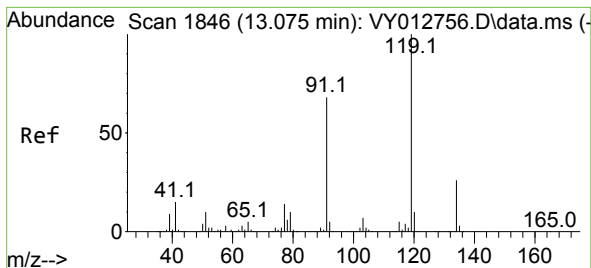
Tgt Ion: 75 Resp: 1151
Ion Ratio Lower Upper
75 100
53 75.8 73.4 110.0
89 40.1 36.6 55.0



#82
4-Chlorotoluene
Concen: 2.628 ug/l
RT: 12.855 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion: 91 Resp: 9099
Ion Ratio Lower Upper
91 100
126 36.0 17.7 53.1





#83

tert-Butylbenzene

Concen: 2.546 ug/l

RT: 13.074 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

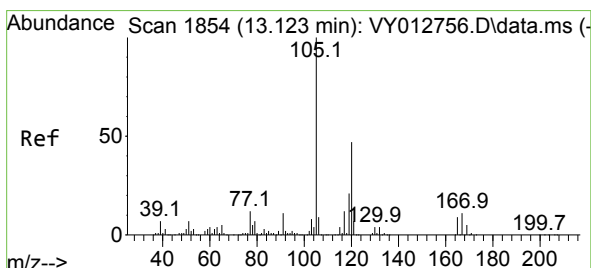
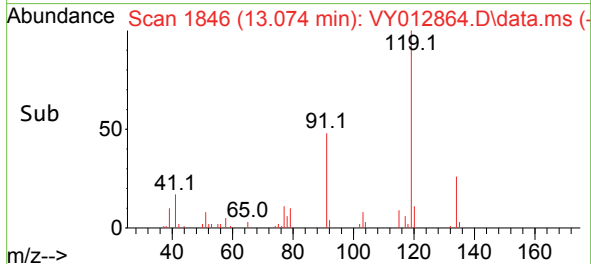
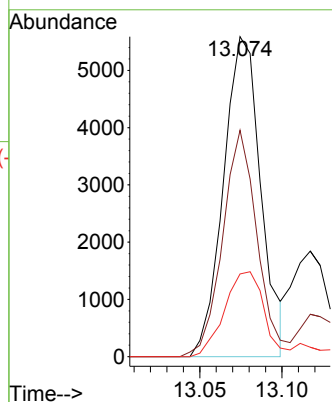
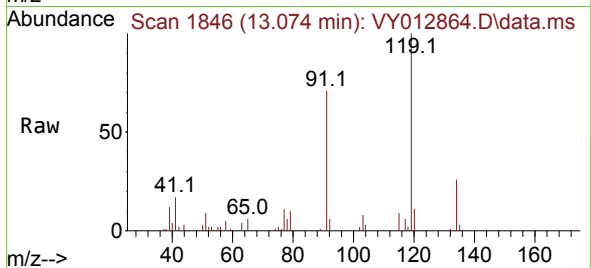
Tgt Ion:119 Resp: 8853

Ion Ratio Lower Upper

119 100

91 65.5 32.8 98.3

134 28.0 13.6 40.8



#84

1,2,4-Trimethylbenzene

Concen: 2.328 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY012864.D

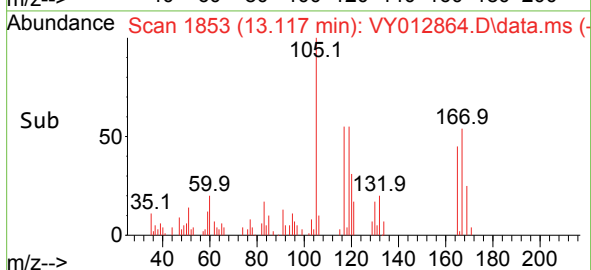
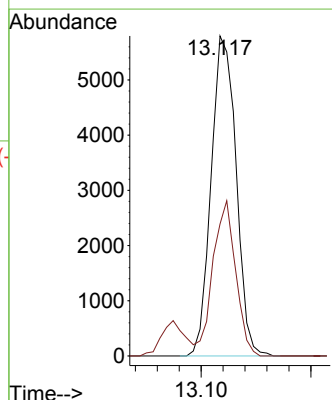
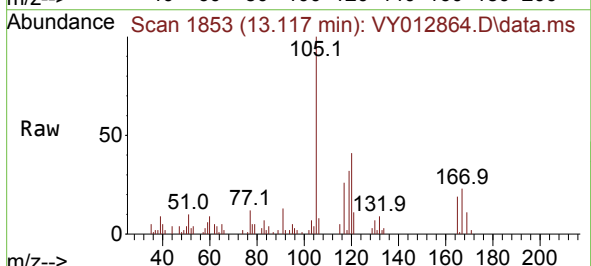
Acq: 08 Mar 2023 12:31

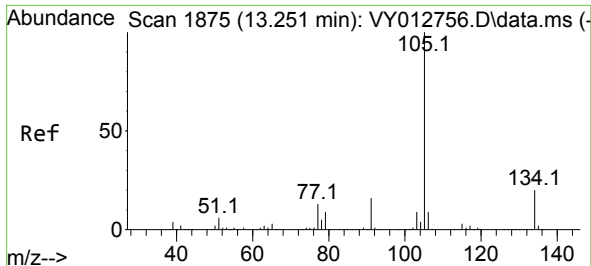
Tgt Ion:105 Resp: 9169

Ion Ratio Lower Upper

105 100

120 44.3 23.0 69.0

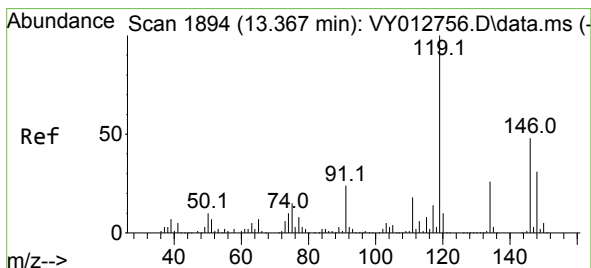
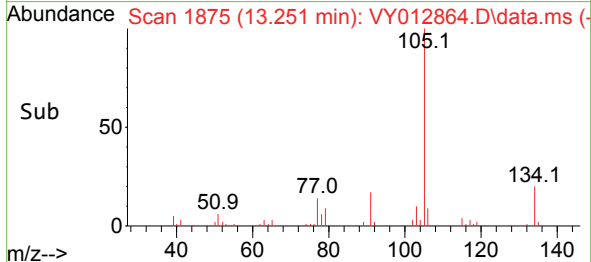
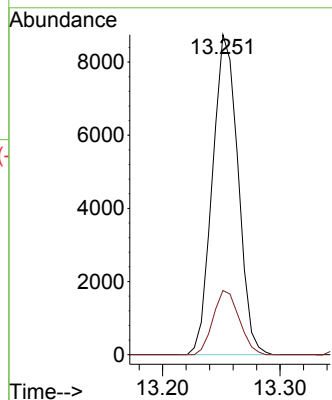
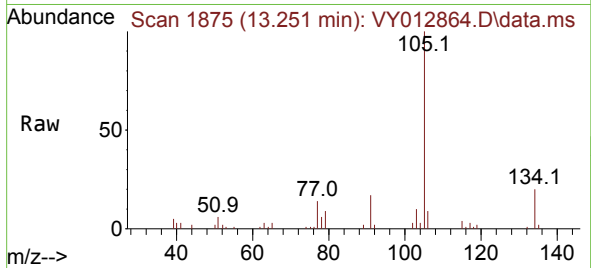




#85
 sec-Butylbenzene
 Concen: 2.496 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

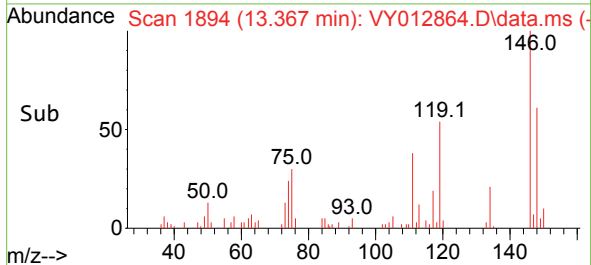
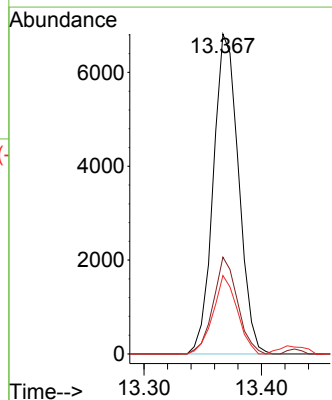
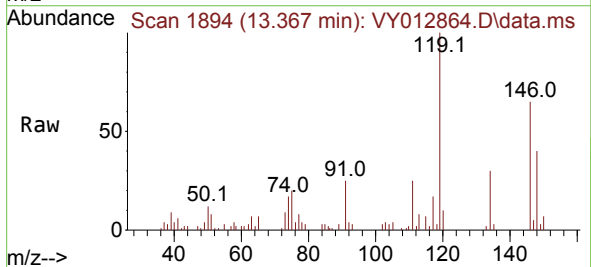
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

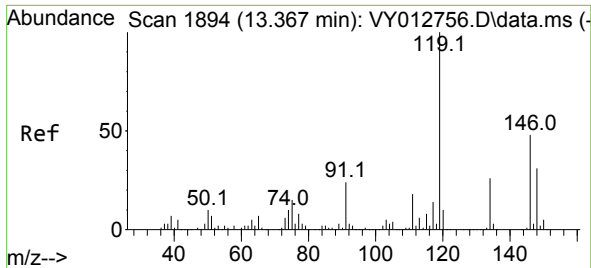
Tgt Ion:105 Resp: 13240
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 2.354 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.000 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

Tgt Ion:119 Resp: 10204
 Ion Ratio Lower Upper
 119 100
 134 29.0 13.2 39.6
 91 23.4 11.8 35.3

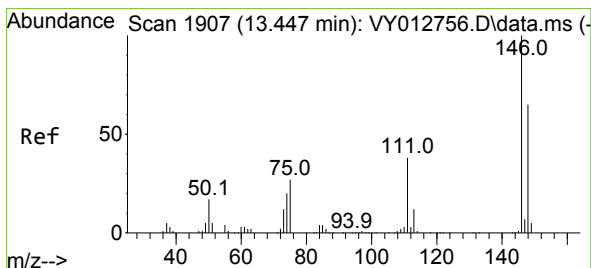
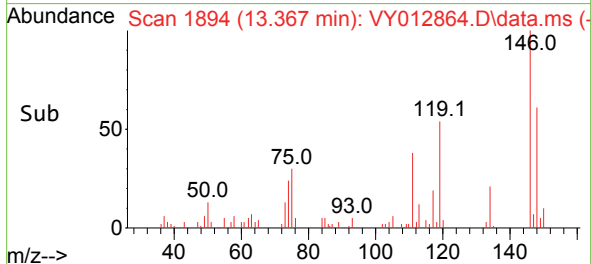
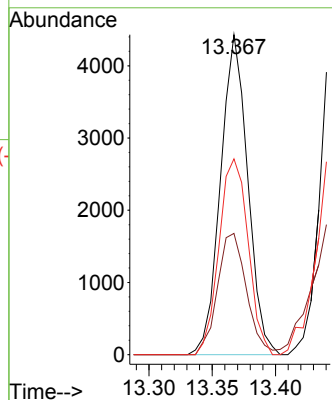
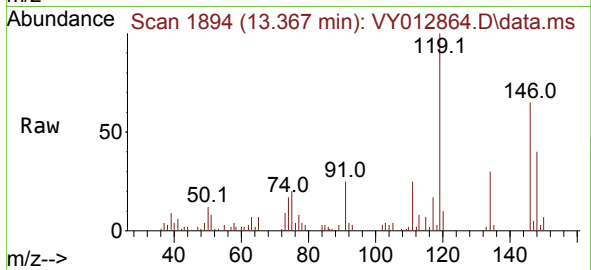




#87
 1,3-Dichlorobenzene
 Concen: 2.893 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.000 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

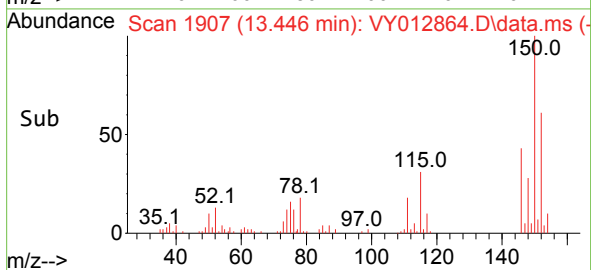
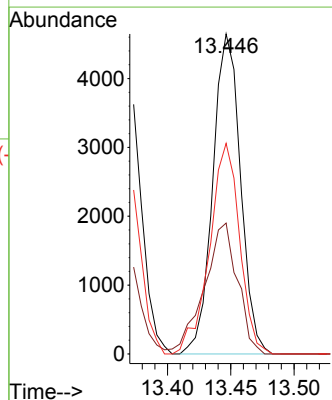
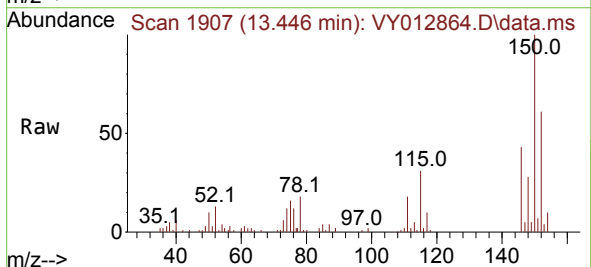
Instrument : MSVOA_Y
 ClientSampleId : MDL-SOIL-03-QT1-2022

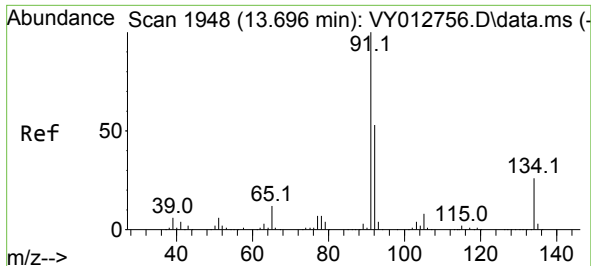
Tgt Ion:146 Resp: 6616
 Ion Ratio Lower Upper
 146 100
 111 40.4 19.1 57.5
 148 65.4 31.8 95.3



#88
 1,4-Dichlorobenzene
 Concen: 3.032 ug/l
 RT: 13.446 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY012864.D
 Acq: 08 Mar 2023 12:31

Tgt Ion:146 Resp: 7077
 Ion Ratio Lower Upper
 146 100
 111 49.3 18.6 55.8
 148 71.4 31.5 94.5

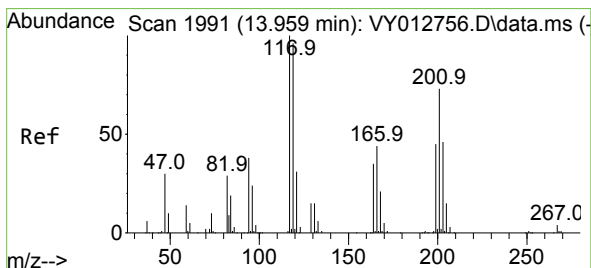
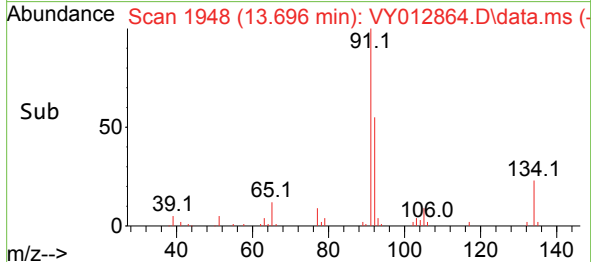
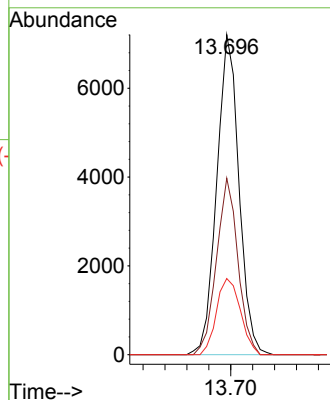
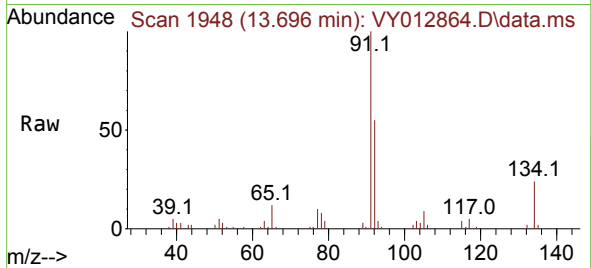




#89
n-Butylbenzene
Concen: 2.444 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

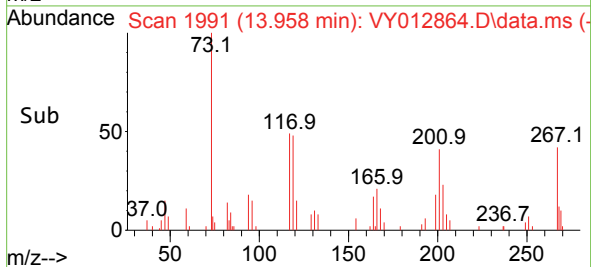
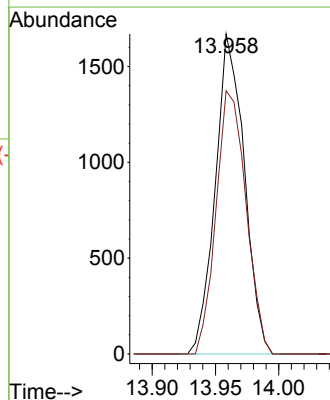
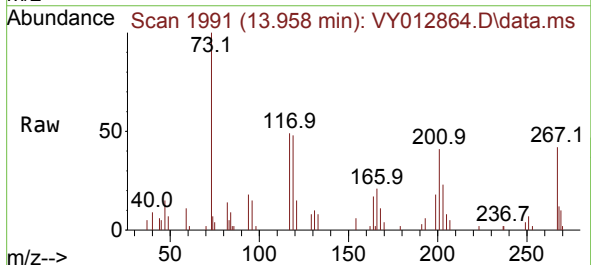
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT1-2022

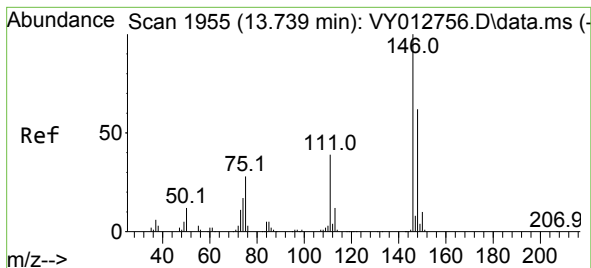
Tgt Ion:	91	Resp:	10141
Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.4	79.0
134	25.7	13.0	38.9



#90
Hexachloroethane
Concen: 2.943 ug/l
RT: 13.958 min Scan# 1991
Delta R.T. -0.000 min
Lab File: VY012864.D
Acq: 08 Mar 2023 12:31

Tgt Ion:	117	Resp:	2657
Ion	Ratio	Lower	Upper
117	100		
201	85.2	39.4	118.1





#91

1,2-Dichlorobenzene

Concen: 2.902 ug/l

RT: 13.739 min Scan# 1955

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

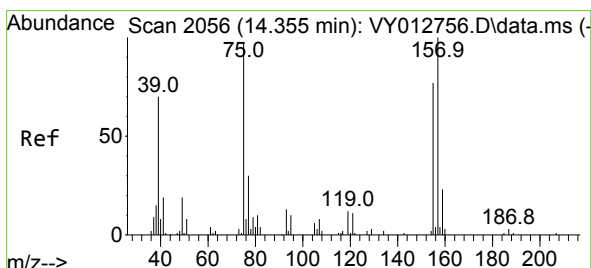
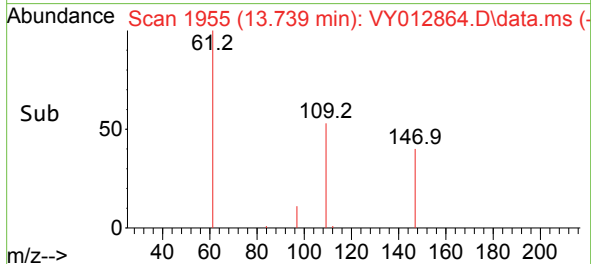
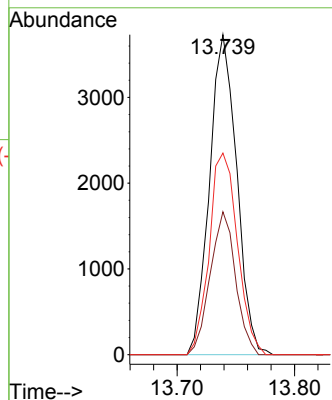
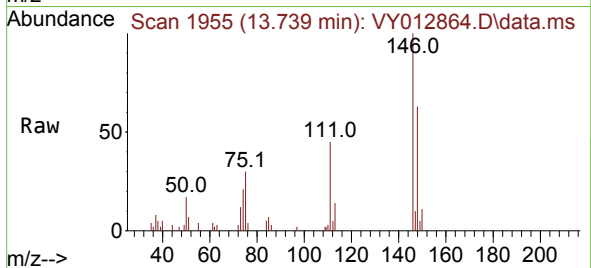
Tgt Ion:146 Resp: 6000

Ion Ratio Lower Upper

146 100

111 41.7 19.7 59.1

148 65.5 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.983 ug/l

RT: 14.355 min Scan# 2056

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

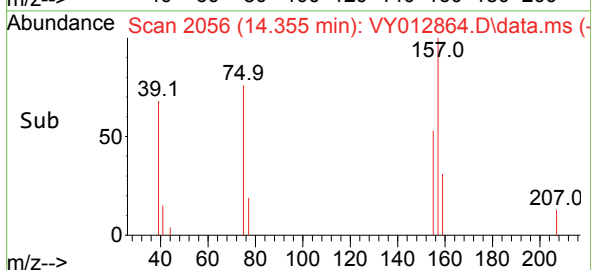
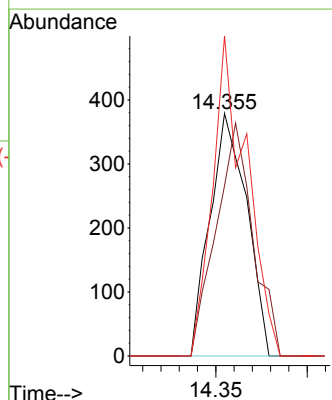
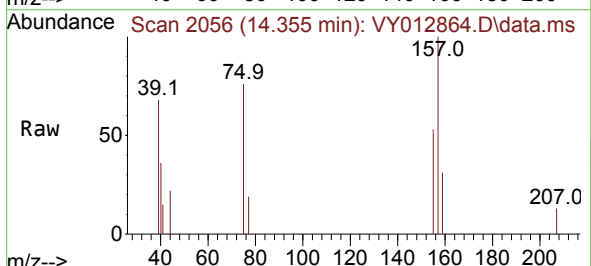
Tgt Ion: 75 Resp: 529

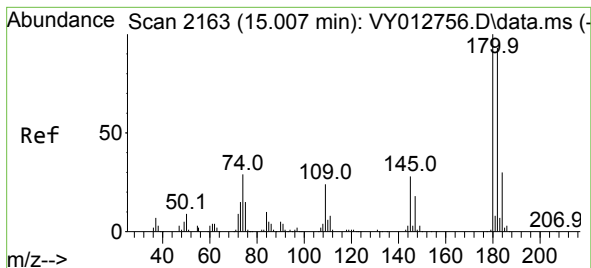
Ion Ratio Lower Upper

75 100

155 96.2 43.8 131.4

157 121.7 54.1 162.3





#93

1,2,4-Trichlorobenzene

Concen: 2.575 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. -0.000 min

Lab File: VY012864.D

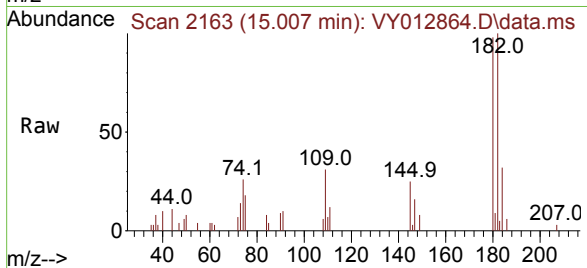
Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022



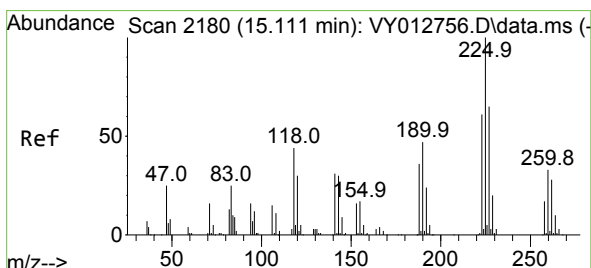
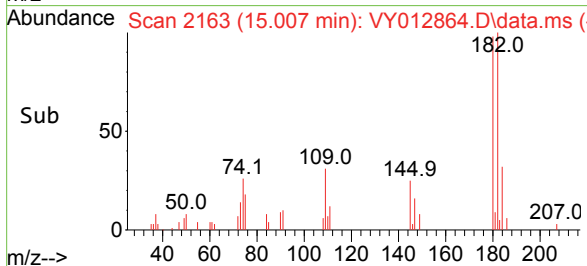
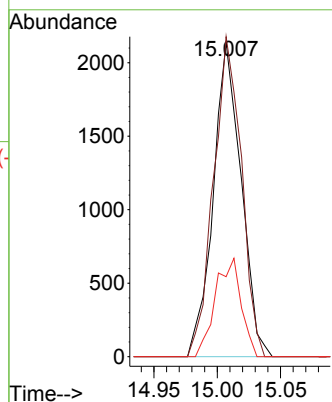
Tgt Ion:180 Resp: 3277

Ion Ratio Lower Upper

180 100

182 101.6 46.7 140.1

145 29.0 14.6 43.8



#94

Hexachlorobutadiene

Concen: 2.636 ug/l

RT: 15.117 min Scan# 2181

Delta R.T. 0.006 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

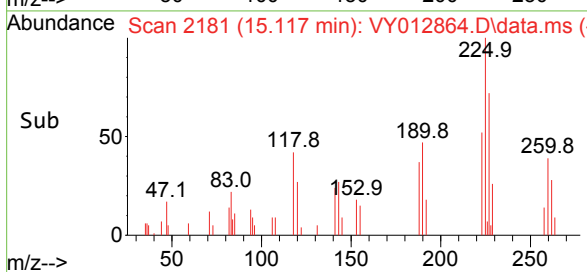
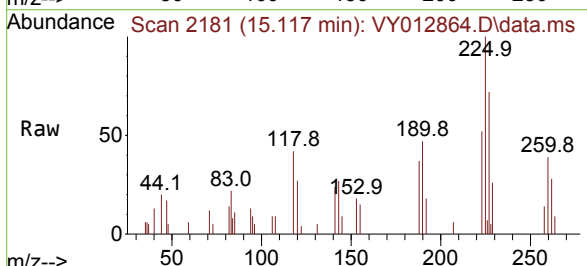
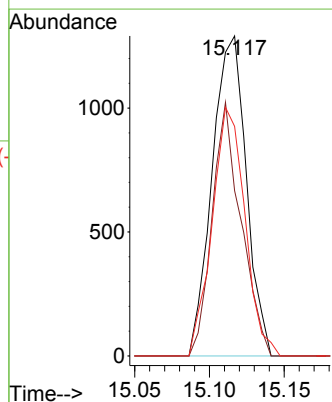
Tgt Ion:225 Resp: 2046

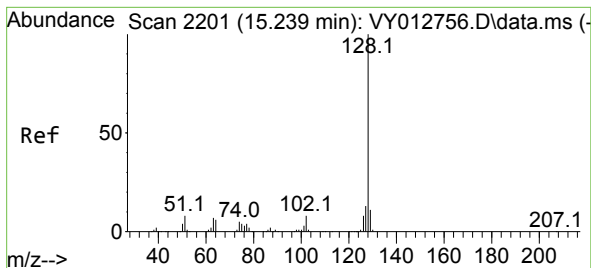
Ion Ratio Lower Upper

225 100

223 67.1 31.1 93.3

227 74.6 32.4 97.0





#95

Naphthalene

Concen: 2.516 ug/l

RT: 15.239 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT1-2022

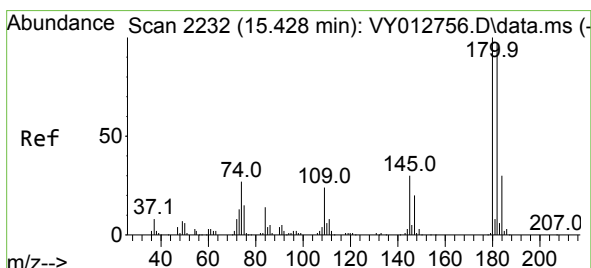
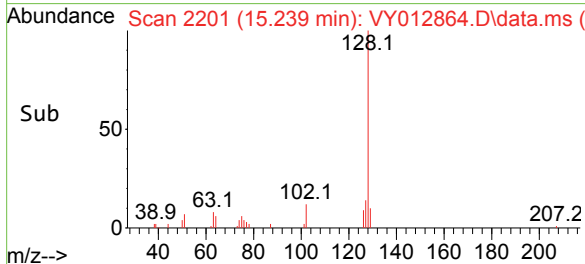
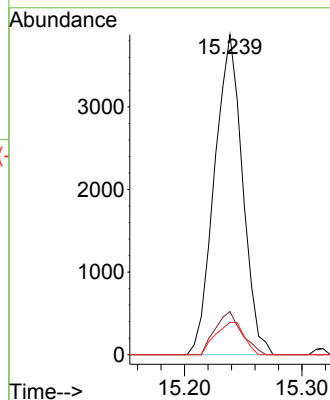
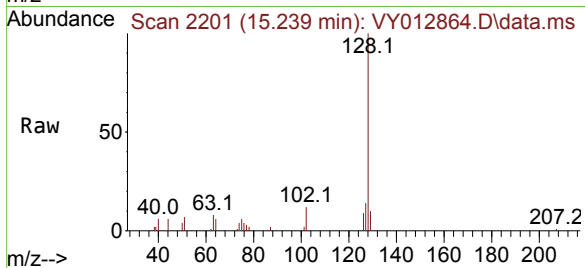
Tgt Ion:128 Resp: 6418

Ion Ratio Lower Upper

128 100

127 12.8 10.3 15.5

129 10.3 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 2.601 ug/l

RT: 15.428 min Scan# 2232

Delta R.T. -0.000 min

Lab File: VY012864.D

Acq: 08 Mar 2023 12:31

Tgt Ion:180 Resp: 2944

Ion Ratio Lower Upper

180 100

182 106.4 47.4 142.3

145 32.3 15.3 45.8

