

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014668.D
 Acq On : 17 Jul 2023 13:32
 Operator : SY/MD
 Sample : 03572-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

Quant Time: Jul 18 09:24:21 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 18 09:23:20 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	288002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	473543	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	417624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	205981	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	165729	50.498	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.000%	
35) Dibromofluoromethane	7.710	113	155532	51.595	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.200%	
50) Toluene-d8	10.179	98	557519	50.165	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.340%	
62) 4-Bromofluorobenzene	12.477	95	208959	49.035	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.080%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.900	85	10158	4.329	ug/l	91
3) Chloromethane	2.107	50	12928	4.901	ug/l	91
4) Vinyl Chloride	2.241	62	13425	4.554	ug/l	97
5) Bromomethane	2.643	94	11087	5.691	ug/l	88
6) Chloroethane	2.784	64	8142	4.422	ug/l	97
7) Trichlorofluoromethane	3.113	101	19849	4.009	ug/l	100
8) Diethyl Ether	3.527	74	7295	3.960	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.893	101	11589	3.819	ug/l	94
10) Methyl Iodide	4.076	142	10727	3.777	ug/l	97
11) Tert butyl alcohol	4.923	59	47474	65.717	ug/l #	97
12) 1,1-Dichloroethene	3.857	96	11168	3.938	ug/l	83
13) Acrolein	3.722	56	6699	19.529	ug/l	100
14) Allyl chloride	4.472	41	18221	3.618	ug/l	94
15) Acrylonitrile	5.155	53	21456	21.123	ug/l	96
16) Acetone	3.942	43	21947	21.103	ug/l	95
17) Carbon Disulfide	4.186	76	30336	3.736	ug/l	97
18) Methyl Acetate	4.466	43	17373	4.353	ug/l	92
19) Methyl tert-butyl Ether	5.216	73	36577	3.970	ug/l	95
20) Methylene Chloride	4.710	84	16436	4.347	ug/l	88
21) trans-1,2-Dichloroethene	5.210	96	12638	3.927	ug/l	88
22) Diisopropyl ether	6.112	45	37969	3.709	ug/l	92
23) Vinyl Acetate	6.051	43	113868	18.586	ug/l	96
24) 1,1-Dichloroethane	6.009	63	21919	3.742	ug/l	98
25) 2-Butanone	6.984	43	37151	24.417	ug/l	99
26) 2,2-Dichloropropane	6.972	77	29953	5.365	ug/l	87
27) cis-1,2-Dichloroethene	6.984	96	14112	3.767	ug/l	79
28) Bromochloromethane	7.319	49	10431	4.135	ug/l #	14
29) Tetrahydrofuran	7.350	42	19431	20.740	ug/l	90
30) Chloroform	7.496	83	23852	3.949	ug/l	98
31) Cyclohexane	7.777	56	24536	4.504	ug/l #	70
32) 1,1,1-Trichloroethane	7.697	97	20571	3.784	ug/l	99
36) 1,1-Dichloropropene	7.911	75	18327	4.065	ug/l	98
37) Ethyl Acetate	7.069	43	13594	4.380	ug/l #	95
38) Carbon Tetrachloride	7.892	117	18529	3.888	ug/l	94
39) Methylcyclohexane	9.179	83	21525	3.665	ug/l	95
40) Benzene	8.155	78	49135	3.832	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.344	41	17952	11.245	ug/l #	42
42) 1,2-Dichloroethane	8.234	62	15799	3.891	ug/l	92
43) Isopropyl Acetate	8.270	43	22031	3.726	ug/l #	94
44) Trichloroethene	8.935	130	13889	3.872	ug/l	99
45) 1,2-Dichloropropane	9.215	63	13092	3.911	ug/l	99
46) Dibromomethane	9.295	93	7806	3.843	ug/l	97
47) Bromodichloromethane	9.496	83	18278	3.818	ug/l	99
48) Methyl methacrylate	9.295	41	10586	3.979	ug/l	94
49) 1,4-Dioxane	9.289	88	2974	89.803	ug/l #	55
51) 4-Methyl-2-Pentanone	10.063	43	64710	20.845	ug/l	93
52) Toluene	10.240	92	32295	3.936	ug/l	91
53) t-1,3-Dichloropropene	10.459	75	19565	3.737	ug/l #	88
54) cis-1,3-Dichloropropene	9.923	75	21565	3.787	ug/l	93
55) 1,1,2-Trichloroethane	10.642	97	11324	4.003	ug/l	94
56) Ethyl methacrylate	10.508	69	16667	3.858	ug/l	92
57) 1,3-Dichloropropane	10.788	76	18910	3.875	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	43398	21.562	ug/l	92
59) 2-Hexanone	10.831	43	45421	20.064	ug/l	92
60) Dibromochloromethane	10.983	129	13821	3.985	ug/l	99
61) 1,2-Dibromoethane	11.081	107	11513	4.079	ug/l	98
64) Tetrachloroethene	10.715	164	14105	4.199	ug/l	95
65) Chlorobenzene	11.514	112	35472	3.986	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.587	131	12872	3.836	ug/l	96
67) Ethyl Benzene	11.587	91	61579	3.832	ug/l	95
68) m/p-Xylenes	11.697	106	47504	7.745	ug/l	94
69) o-Xylene	12.026	106	23463	3.927	ug/l	96
70) Styrene	12.038	104	37697	3.744	ug/l	98
71) Bromoform	12.203	173	9163	4.029	ug/l #	100
73) Isopropylbenzene	12.325	105	60575	3.756	ug/l	100
74) N-amyl acetate	12.142	43	19719	3.651	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.581	83	14147	3.846	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	19552	7.516	ug/l #	100
77) Bromobenzene	12.605	156	14016	3.807	ug/l	92
78) n-propylbenzene	12.666	91	71369	3.672	ug/l	99
79) 2-Chlorotoluene	12.751	91	40542	3.622	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	51427	3.818	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	4823	3.590	ug/l	99
82) 4-Chlorotoluene	12.849	91	42663	3.701	ug/l	100
83) tert-Butylbenzene	13.068	119	45342	3.795	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	50143	3.793	ug/l	99
85) sec-Butylbenzene	13.251	105	65787	3.753	ug/l	100
86) p-Isopropyltoluene	13.367	119	54258	3.791	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	28150	3.929	ug/l	99
88) 1,4-Dichlorobenzene	13.446	146	28086	3.912	ug/l	91
89) n-Butylbenzene	13.696	91	50350	3.616	ug/l	96
90) Hexachloroethane	13.958	117	11017	3.748	ug/l	88
91) 1,2-Dichlorobenzene	13.733	146	25195	3.838	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	3055	4.343	ug/l	98
93) 1,2,4-Trichlorobenzene	15.001	180	15988	3.837	ug/l	99
94) Hexachlorobutadiene	15.111	225	8943	3.905	ug/l	99
95) Naphthalene	15.233	128	38341	3.949	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	14178	3.828	ug/l	97

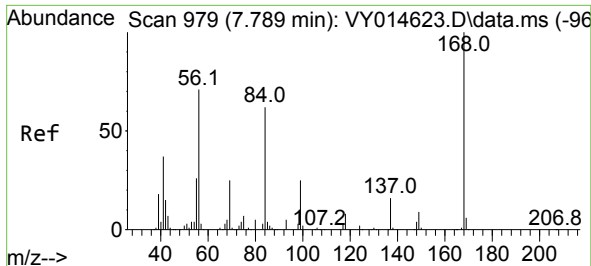
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Response via : Initial Calibration

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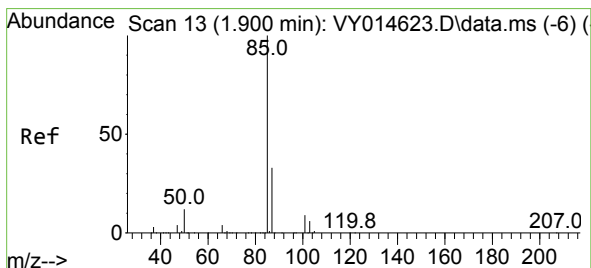
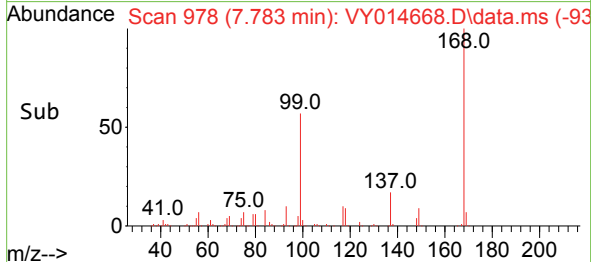
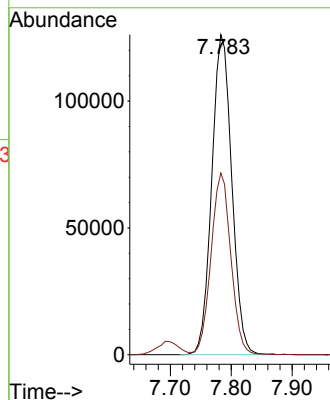
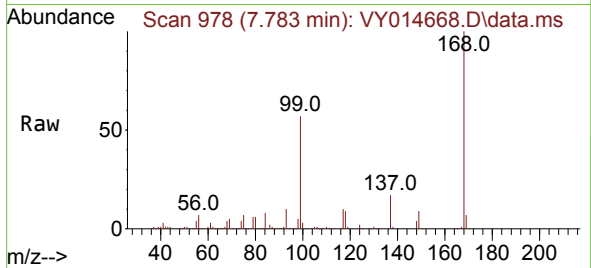
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

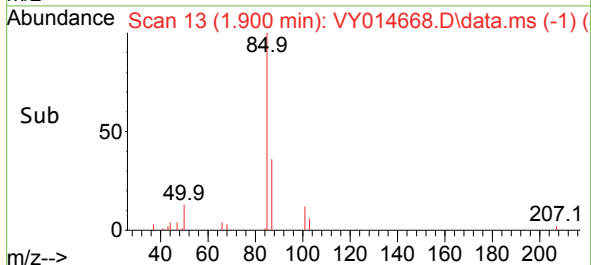
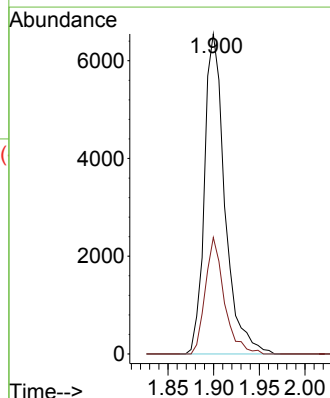
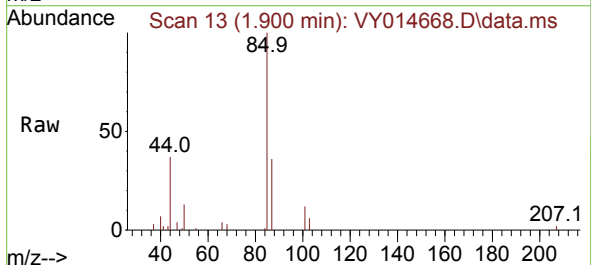
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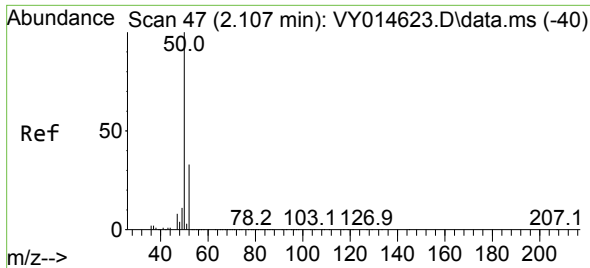
Tgt Ion:168 Resp: 288002
Ion Ratio Lower Upper
168 100
99 56.7 43.4 65.0



#2
Dichlorodifluoromethane
Concen: 4.329 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 85 Resp: 10158
Ion Ratio Lower Upper
85 100
87 36.4 15.6 46.8

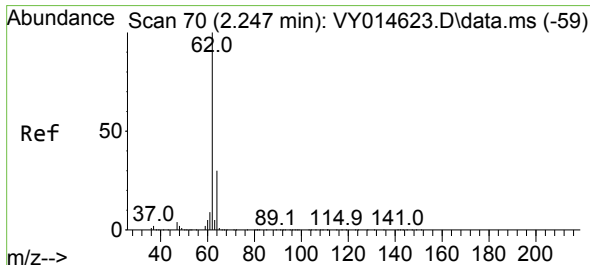
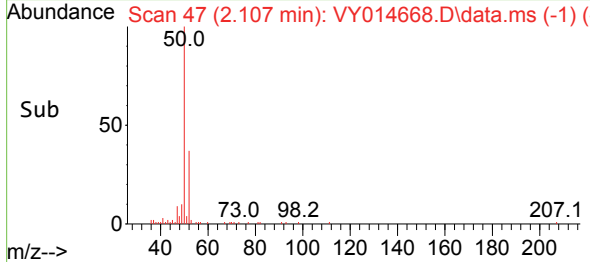
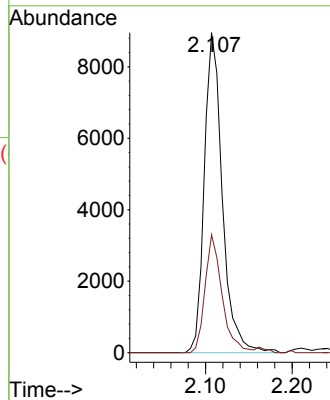
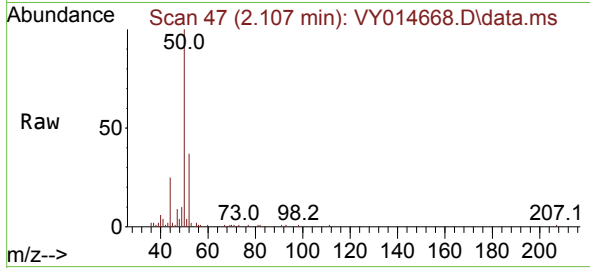




#3
Chloromethane
Concen: 4.901 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

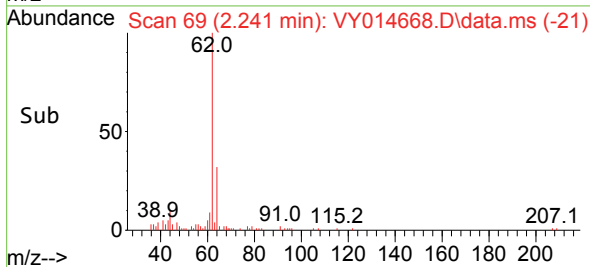
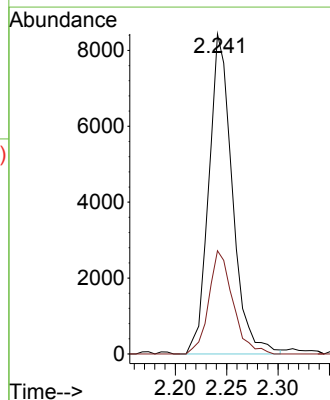
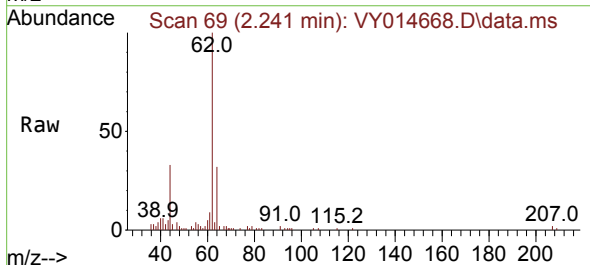
Instrument :
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ClientSampleId :
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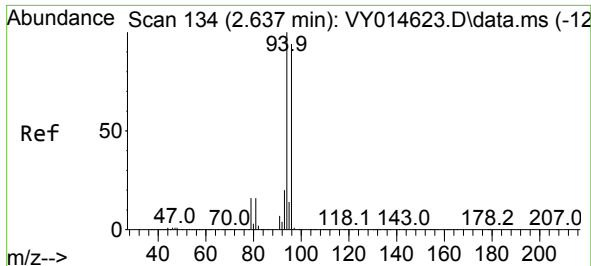
Tgt Ion: 50 Resp: 12928
Ion Ratio Lower Upper
50 100
52 36.9 25.4 38.2



#4
Vinyl Chloride
Concen: 4.554 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 62 Resp: 13425
Ion Ratio Lower Upper
62 100
64 32.2 24.3 36.5





#5

Bromomethane

Concen: 5.691 ug/l

RT: 2.643 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

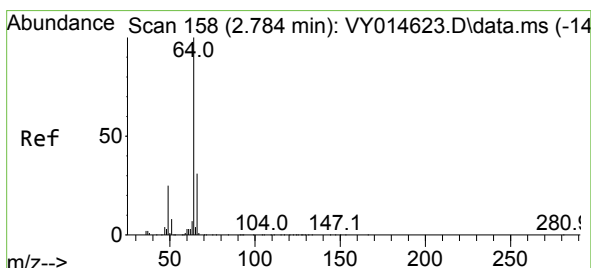
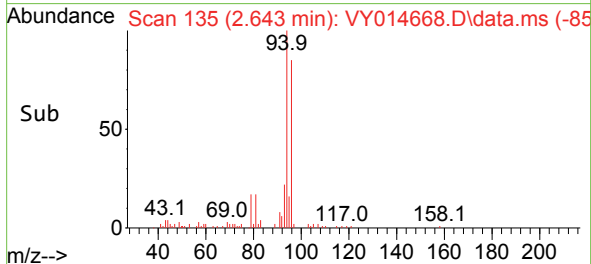
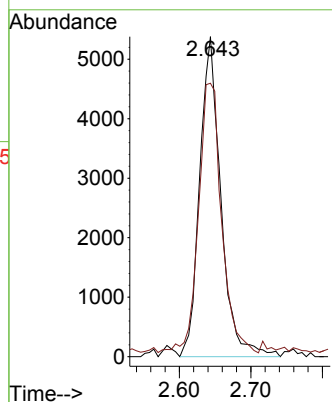
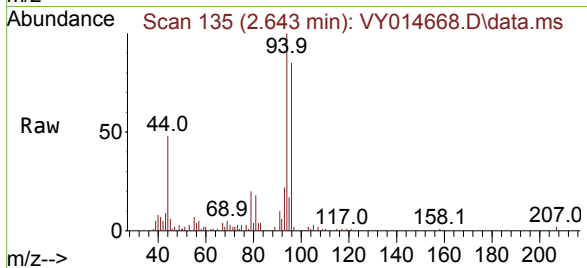
MDL-SOIL-03-QT3-2023

Tgt Ion: 94 Resp: 11087

Ion Ratio Lower Upper

94 100

96 82.9 75.8 113.6



#6

Chloroethane

Concen: 4.422 ug/l

RT: 2.784 min Scan# 158

Delta R.T. -0.000 min

Lab File: VY014668.D

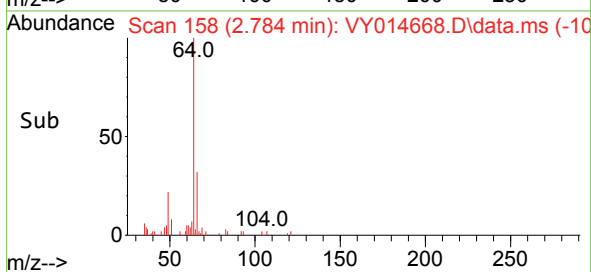
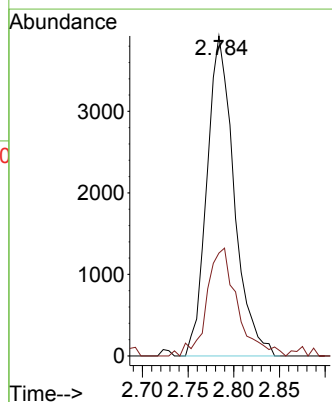
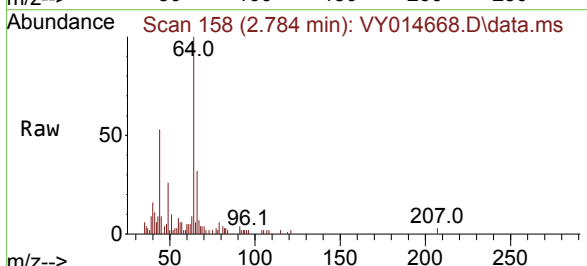
Acq: 17 Jul 2023 13:32

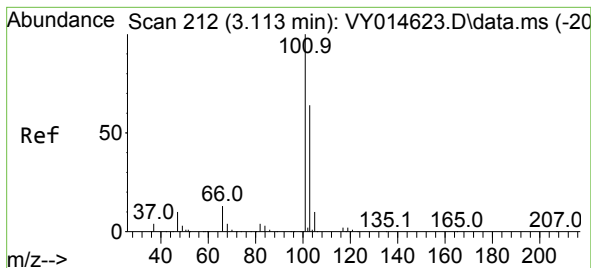
Tgt Ion: 64 Resp: 8142

Ion Ratio Lower Upper

64 100

66 32.2 24.4 36.6





#7

Trichlorofluoromethane

Concen: 4.009 ug/l

RT: 3.113 min Scan# 212

Delta R.T. -0.000 min

Lab File: VY014668.D

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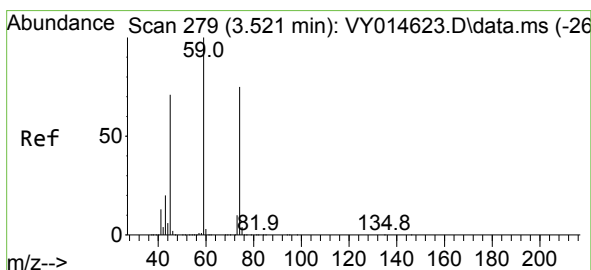
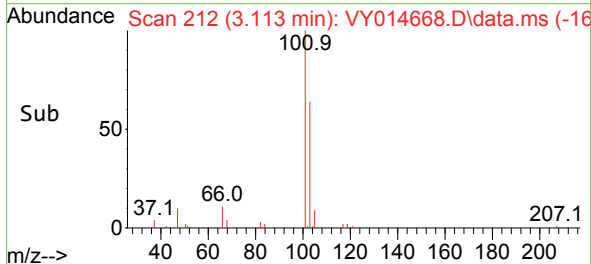
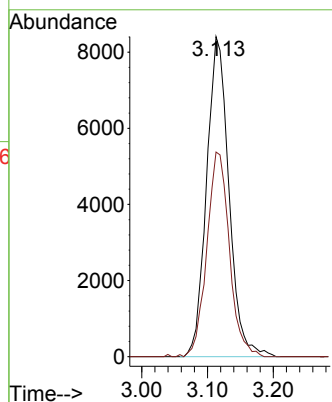
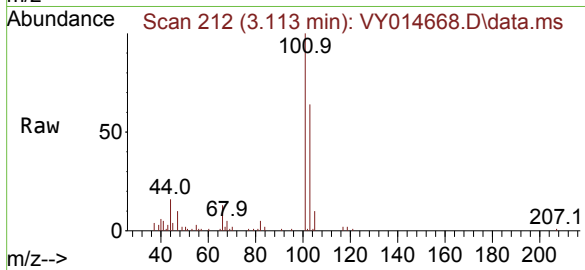
MDL-SOIL-03-QT3-2023

Tgt Ion:101 Resp: 19849

Ion Ratio Lower Upper

101 100

103 63.9 51.4 77.0



#8

Diethyl Ether

Concen: 3.960 ug/l

RT: 3.527 min Scan# 280

Delta R.T. 0.006 min

Lab File: VY014668.D

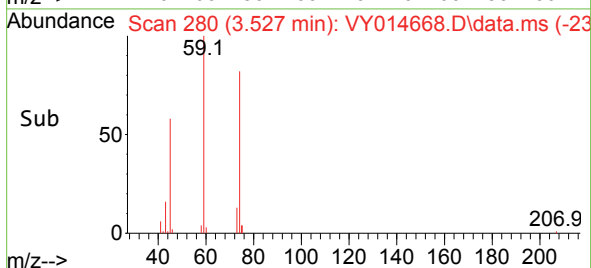
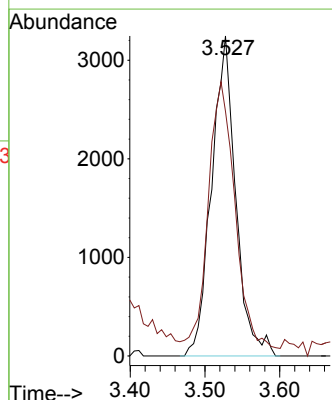
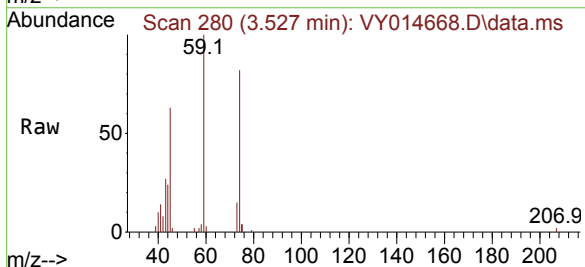
Acq: 17 Jul 2023 13:32

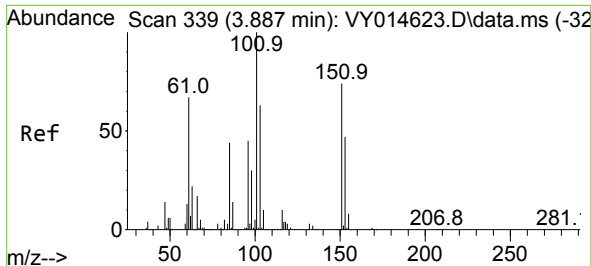
Tgt Ion: 74 Resp: 7295

Ion Ratio Lower Upper

74 100

45 91.6 51.5 154.5

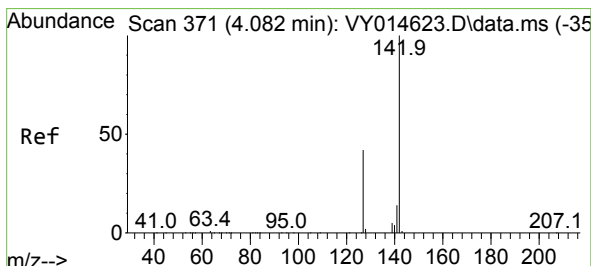
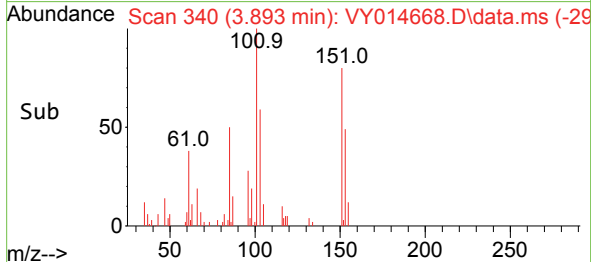
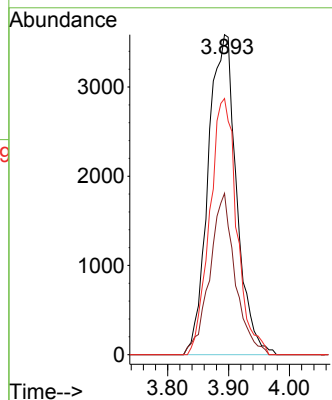
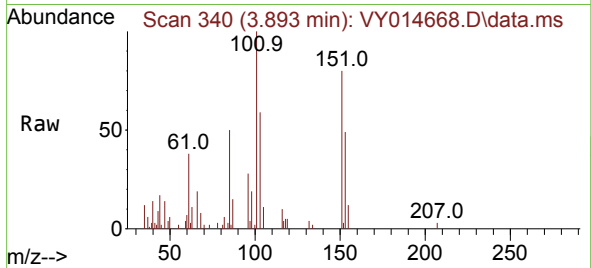




#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.819 ug/l
RT: 3.893 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY014668.D
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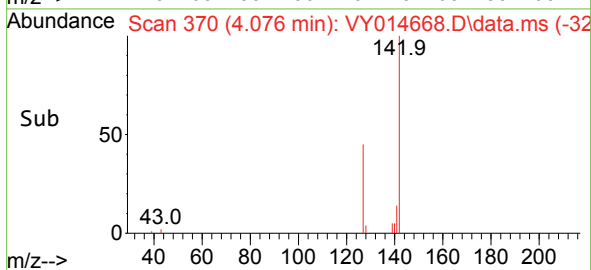
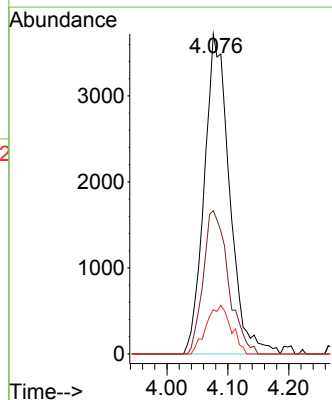
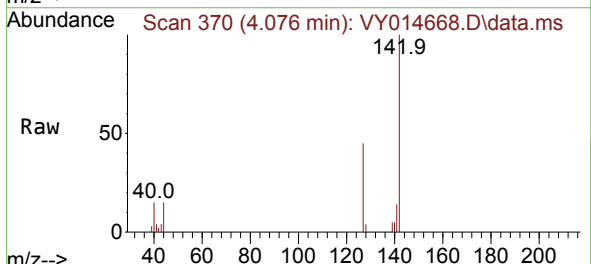
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

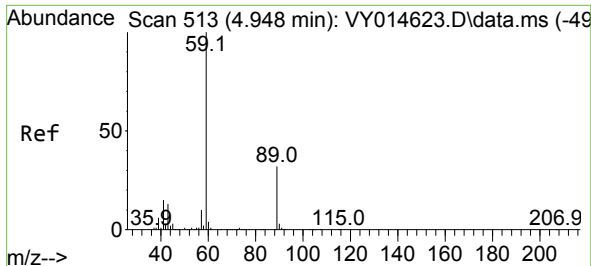
Tgt Ion:101 Resp: 11589
Ion Ratio Lower Upper
101 100
85 45.3 36.6 55.0
151 76.3 67.0 100.6



#10
Methyl Iodide
Concen: 3.777 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion:142 Resp: 10727
Ion Ratio Lower Upper
142 100
127 44.6 37.6 56.4
141 14.8 11.8 17.8

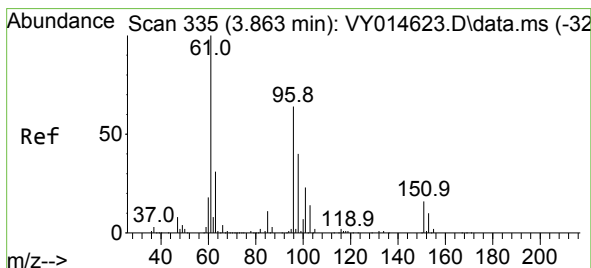
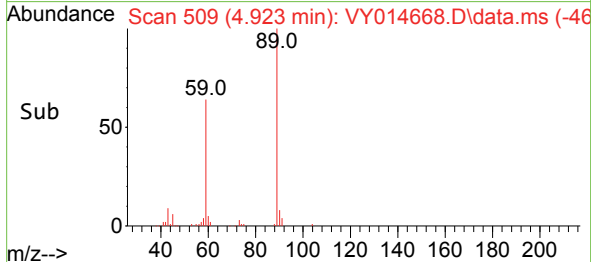
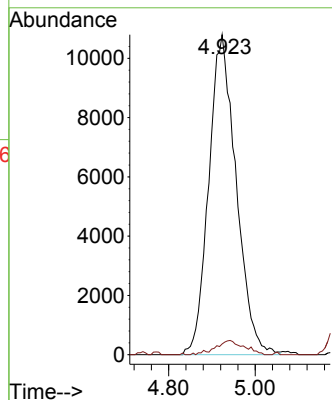
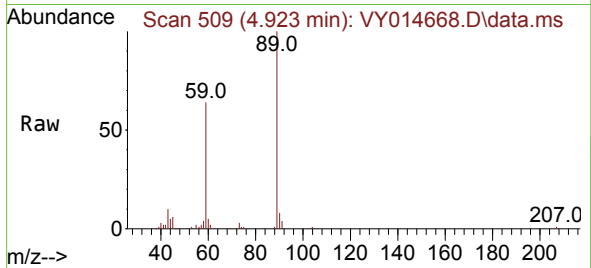




#11
Tert butyl alcohol
Concen: 65.717 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.025 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

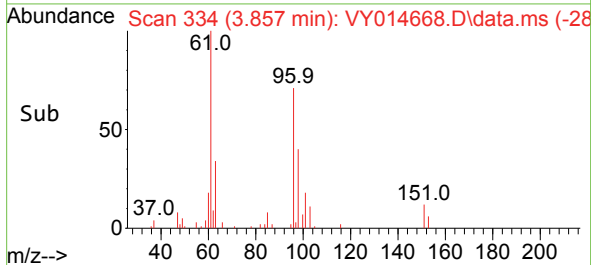
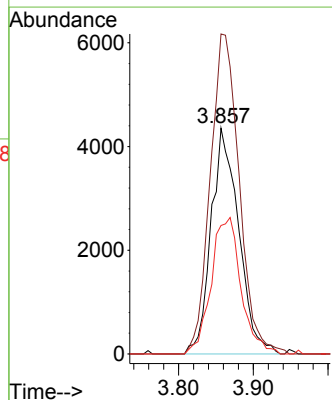
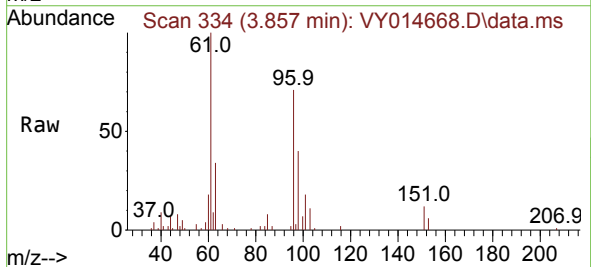
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

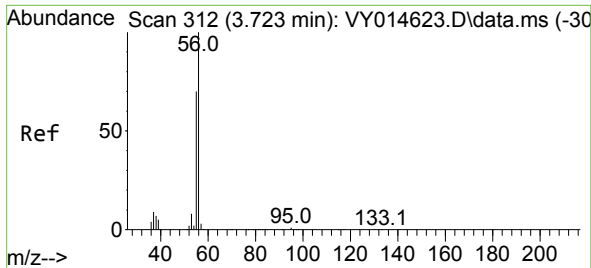
Tgt Ion: 59 Resp: 47474
Ion Ratio Lower Upper
59 100
57 4.6 3.0 4.4#



#12
1,1-Dichloroethene
Concen: 3.938 ug/l
RT: 3.857 min Scan# 334
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 96 Resp: 11168
Ion Ratio Lower Upper
96 100
61 141.7 136.4 204.6
98 56.9 49.4 74.2





#13

Acrolein

Concen: 19.529 ug/l

RT: 3.722 min Scan# 312

Delta R.T. -0.001 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

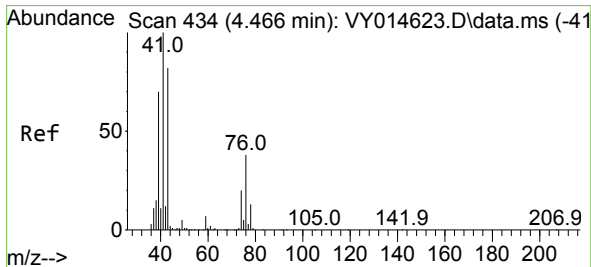
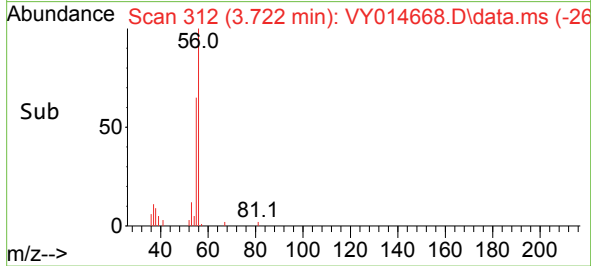
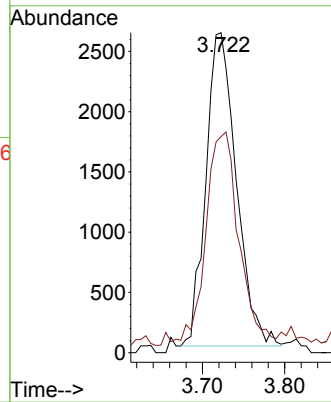
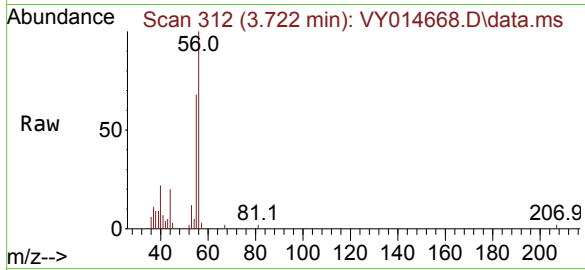
MDL-SOIL-03-QT3-2023

Tgt Ion: 56 Resp: 6699

Ion Ratio Lower Upper

56 100

55 71.4 57.0 85.4



#14

Allyl chloride

Concen: 3.618 ug/l

RT: 4.472 min Scan# 435

Delta R.T. 0.006 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

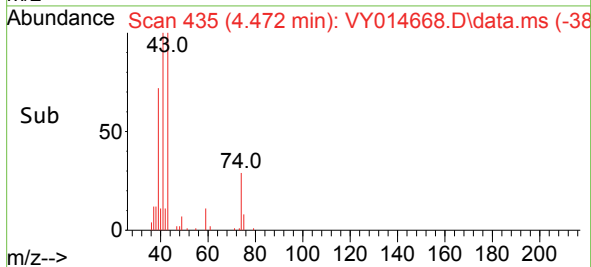
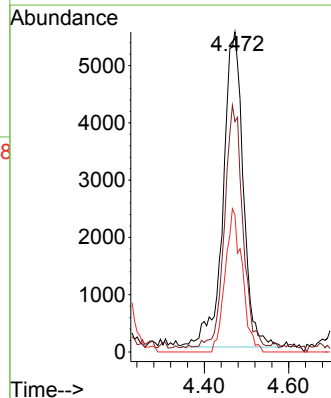
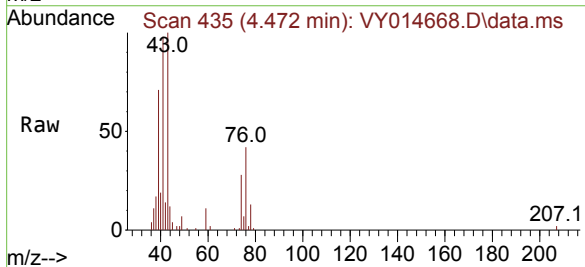
Tgt Ion: 41 Resp: 18221

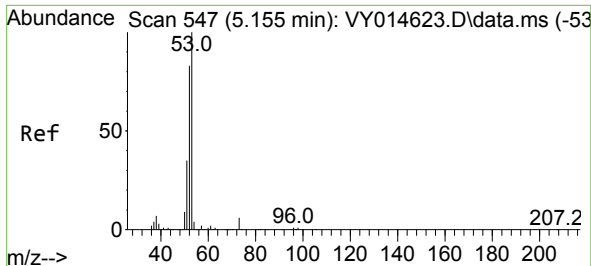
Ion Ratio Lower Upper

41 100

39 68.5 58.0 87.0

76 38.4 27.4 41.2

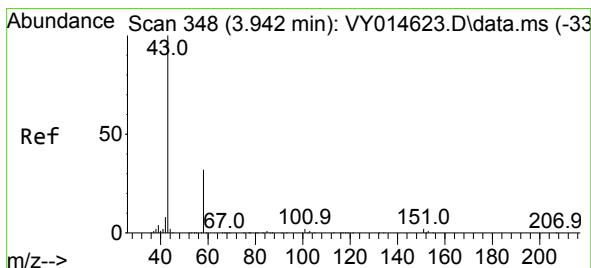
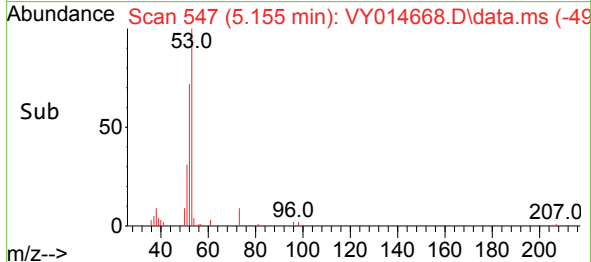
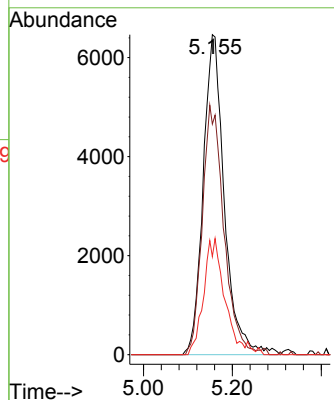
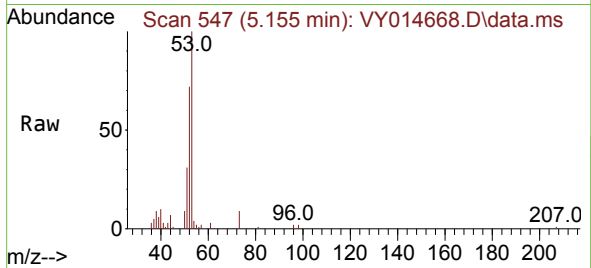




#15
Acrylonitrile
Concen: 21.123 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

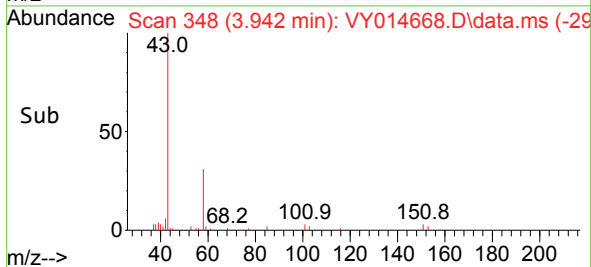
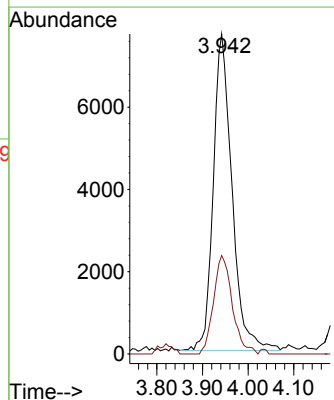
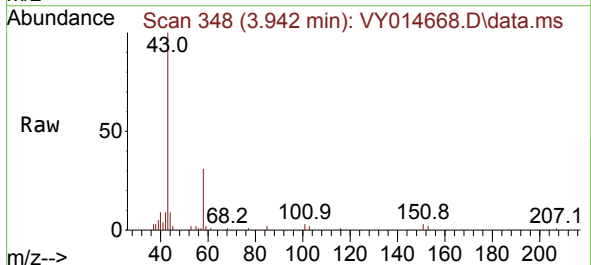
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

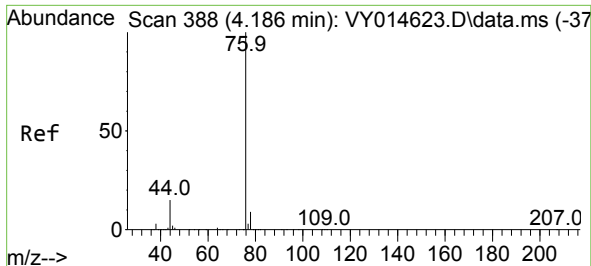
Tgt Ion: 53	Resp: 21456
Ion Ratio	Lower Upper
53 100	
52 79.1	66.9 100.3
51 36.4	29.8 44.6



#16
Acetone
Concen: 21.103 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 43	Resp: 21947
Ion Ratio	Lower Upper
43 100	
58 31.1	22.7 34.1

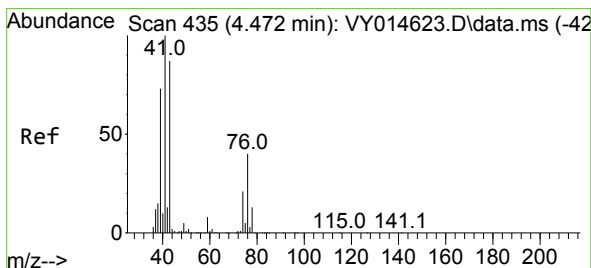
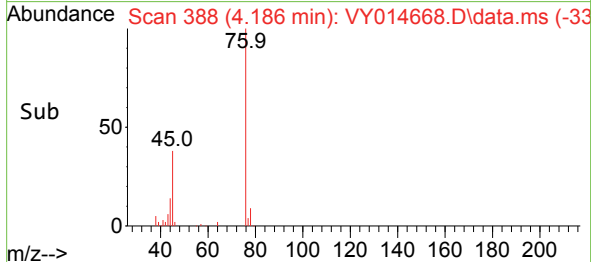
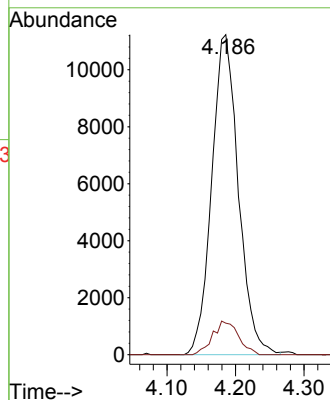
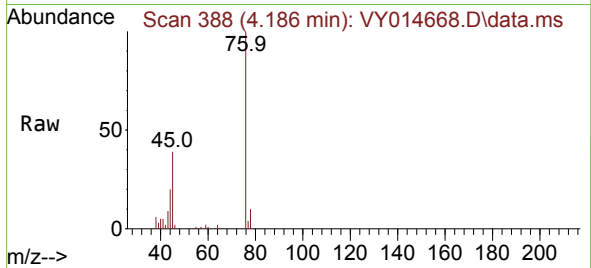




#17
Carbon Disulfide
Concen: 3.736 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

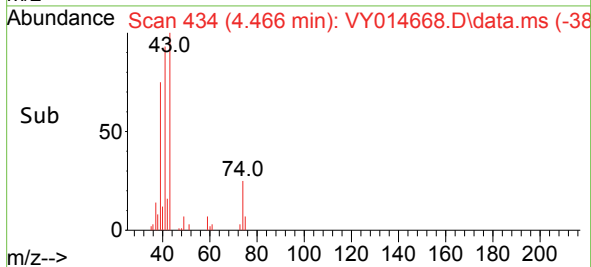
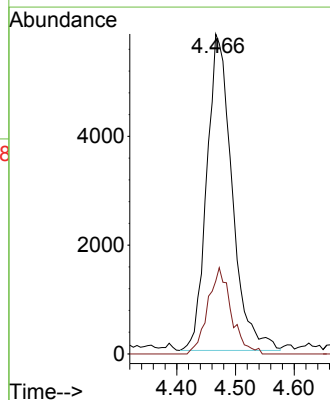
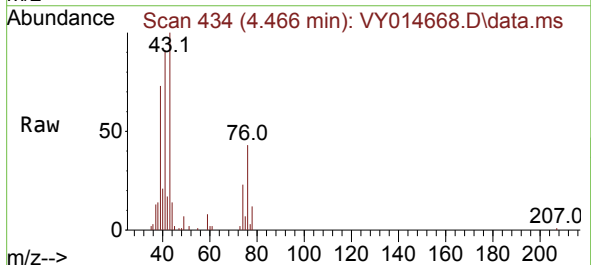
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

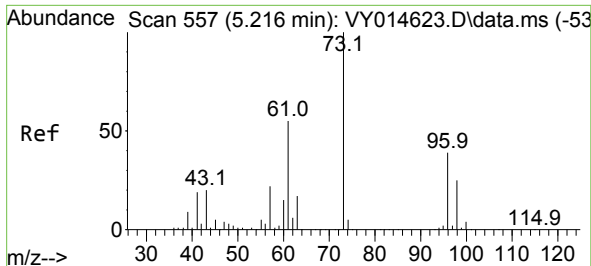
Tgt Ion: 76 Resp: 30336
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4



#18
Methyl Acetate
Concen: 4.353 ug/l
RT: 4.466 min Scan# 434
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 43 Resp: 17373
Ion Ratio Lower Upper
43 100
74 25.3 17.4 26.0

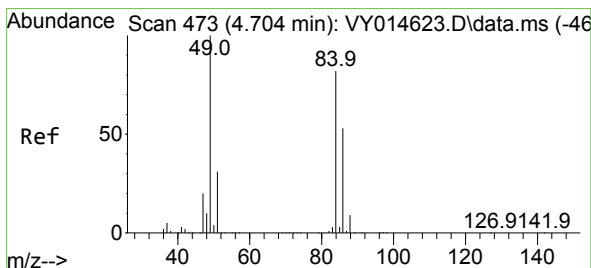
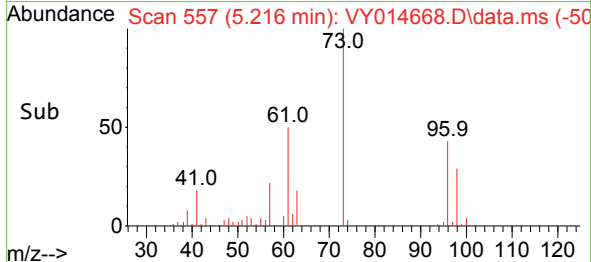
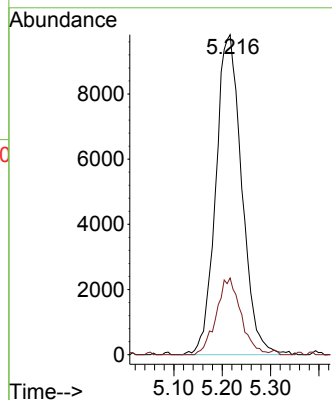
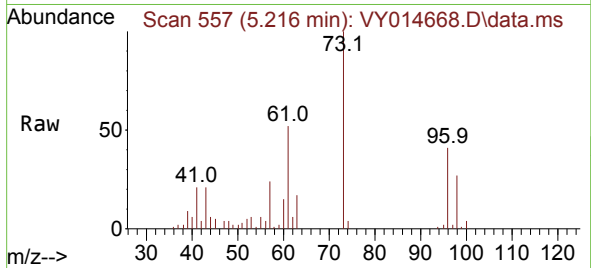




#19
Methyl tert-butyl Ether
Concen: 3.970 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

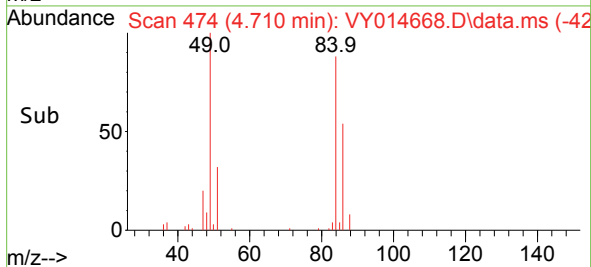
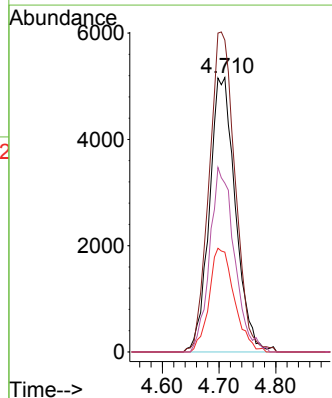
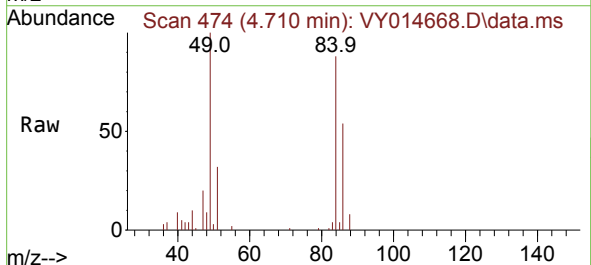
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

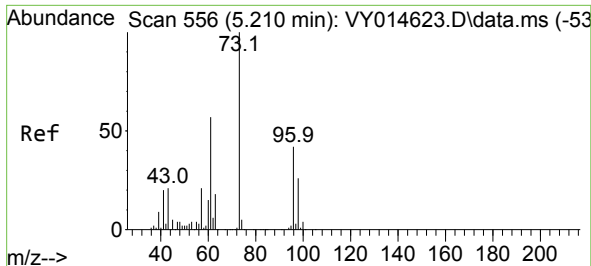
Tgt Ion: 73 Resp: 36577
Ion Ratio Lower Upper
73 100
57 23.9 17.3 25.9



#20
Methylene Chloride
Concen: 4.347 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 84 Resp: 16436
Ion Ratio Lower Upper
84 100
49 113.7 106.9 160.3
51 36.4 33.2 49.8
86 61.6 51.0 76.6

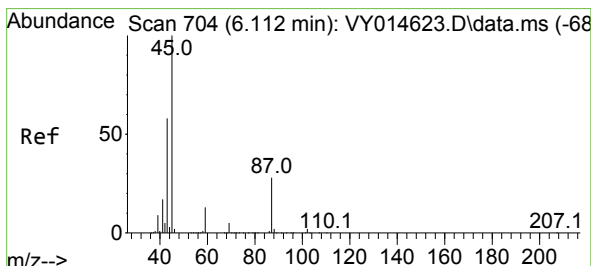
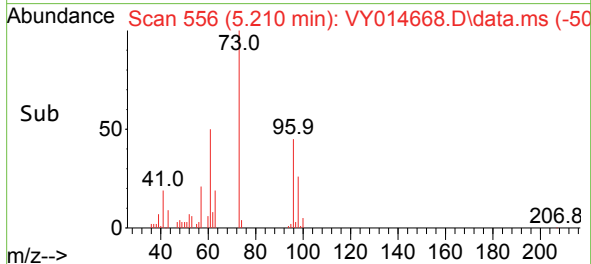
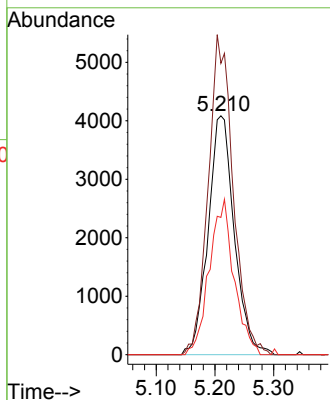
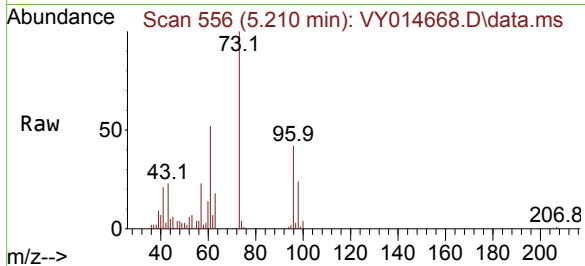




#21
trans-1,2-Dichloroethene
Concen: 3.927 ug/l
RT: 5.210 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

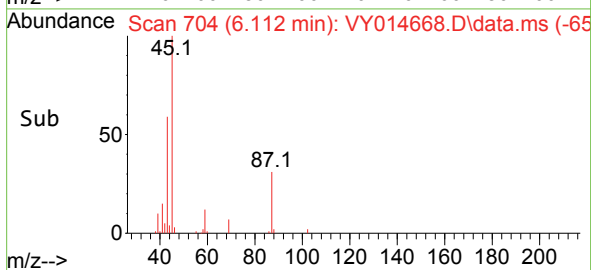
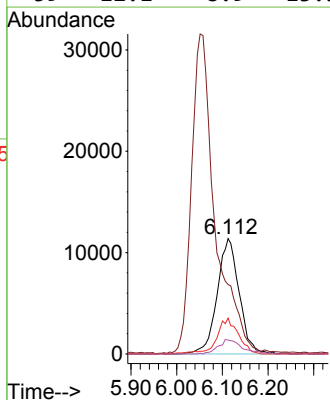
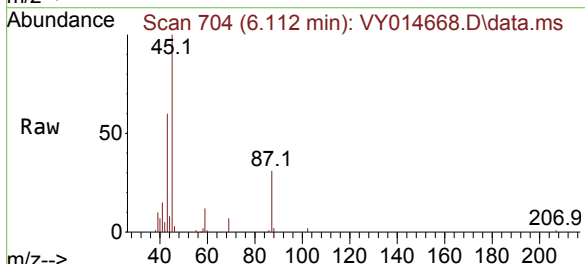
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

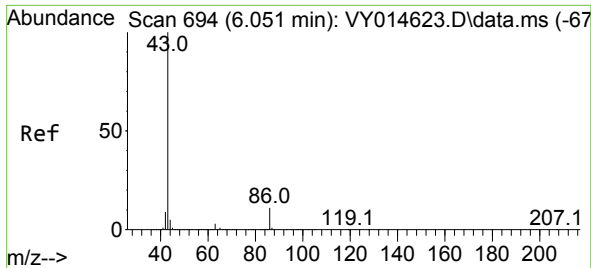
Tgt Ion: 96 Resp: 12638
Ion Ratio Lower Upper
96 100
61 122.0 110.2 165.4
98 57.4 51.8 77.6



#22
Diisopropyl ether
Concen: 3.709 ug/l
RT: 6.112 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 45 Resp: 37969
Ion Ratio Lower Upper
45 100
43 58.4 52.2 78.4
87 31.1 21.0 31.6
59 12.1 8.9 13.3

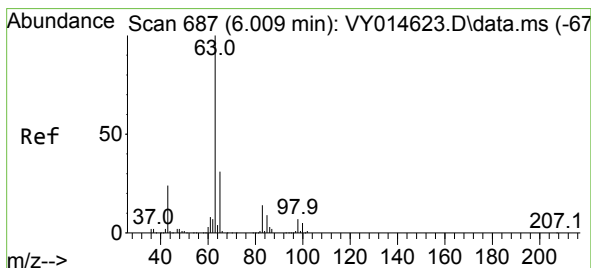
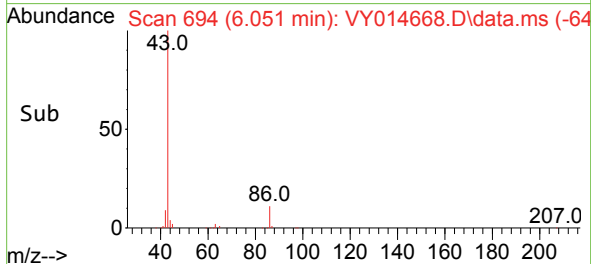
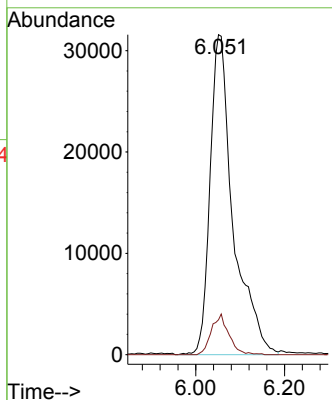
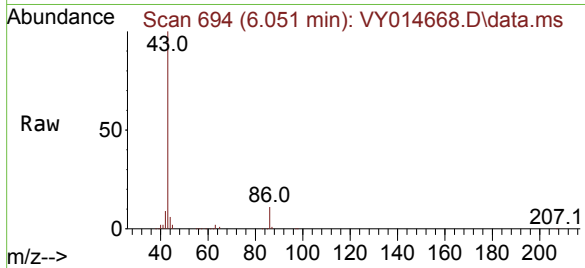




#23
 Vinyl Acetate
 Concen: 18.586 ug/l
 RT: 6.051 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY014668.D
 Acq: 17 Jul 2023 13:32

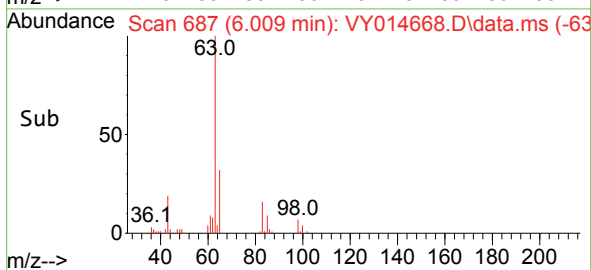
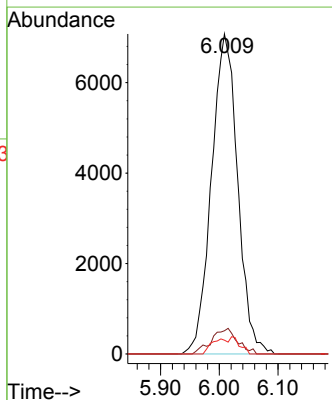
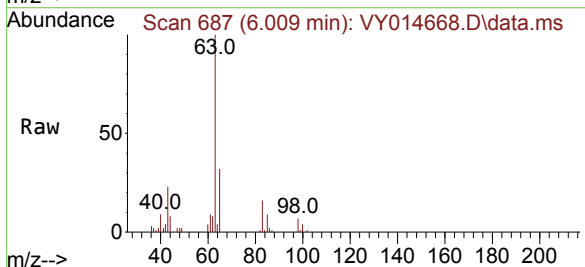
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

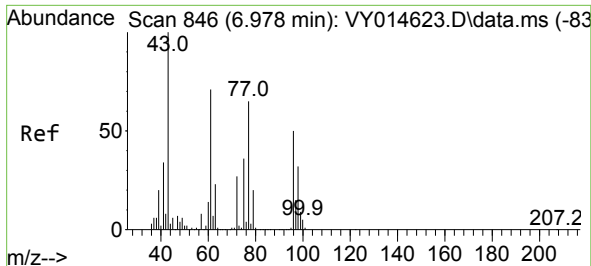
Tgt Ion: 43 Resp: 113868
 Ion Ratio Lower Upper
 43 100
 86 10.9 7.5 11.3



#24
 1,1-Dichloroethane
 Concen: 3.742 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: VY014668.D
 Acq: 17 Jul 2023 13:32

Tgt Ion: 63 Resp: 21919
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.1 9.4
 100 4.3 1.8 5.5

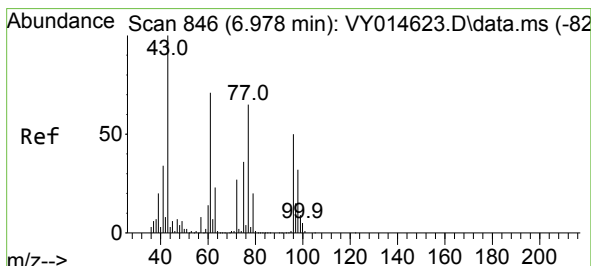
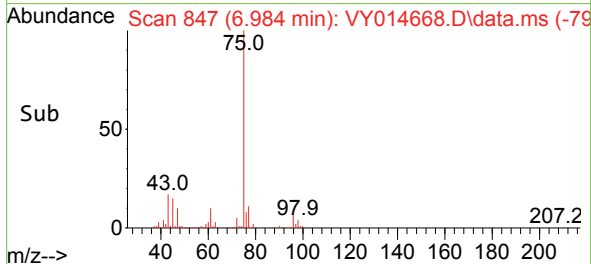
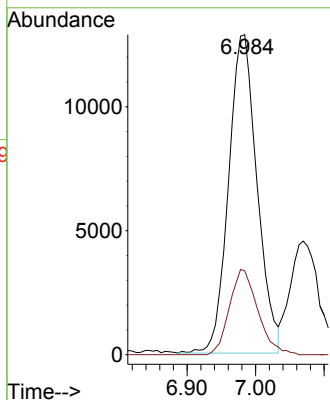
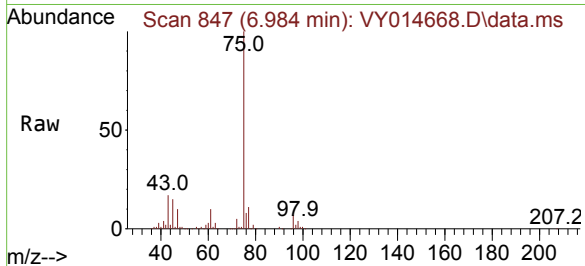




#25
2-Butanone
Concen: 24.417 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

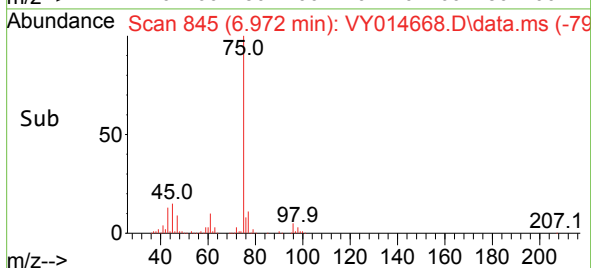
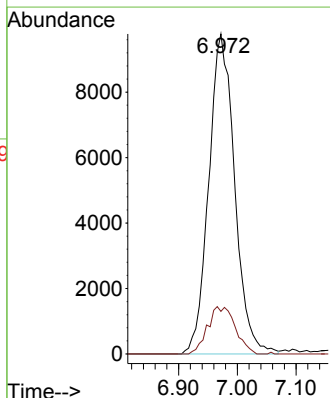
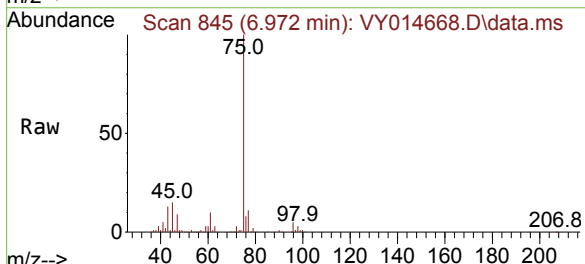
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

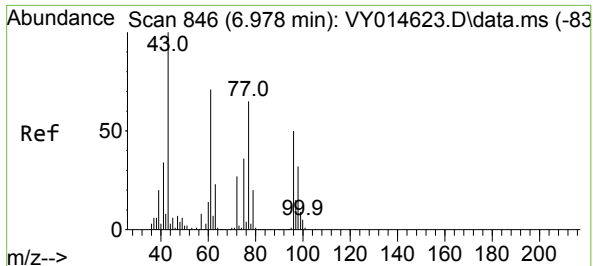
Tgt Ion: 43 Resp: 37151
Ion Ratio Lower Upper
43 100
72 26.3 20.5 30.7



#26
2,2-Dichloropropane
Concen: 5.365 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 77 Resp: 29953
Ion Ratio Lower Upper
77 100
97 15.8 10.9 32.9

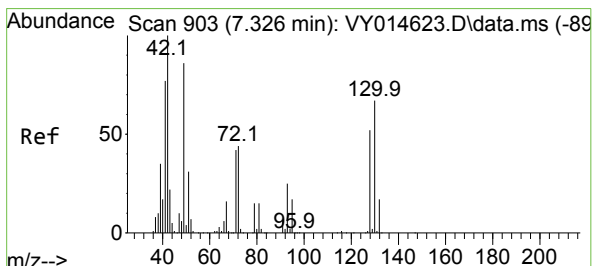
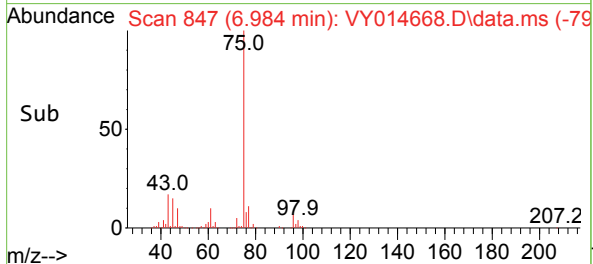
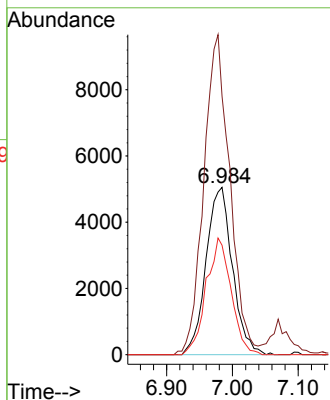
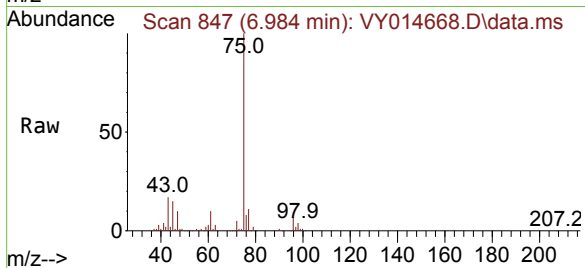




#27
cis-1,2-Dichloroethene
Concen: 3.767 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

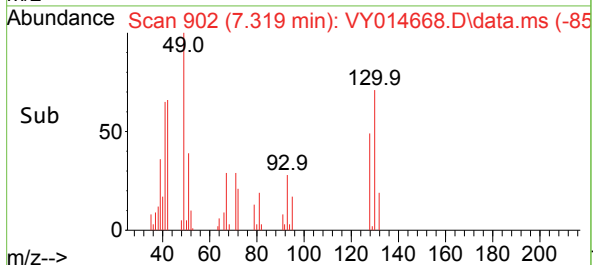
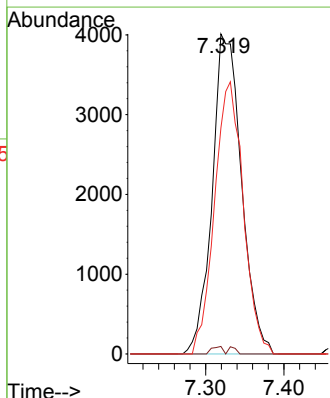
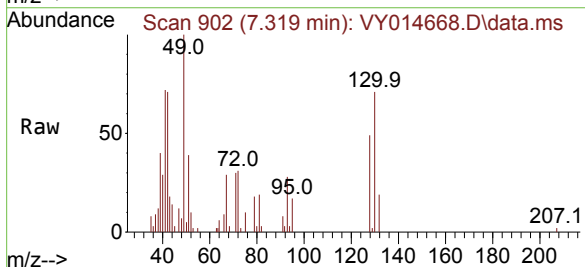
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

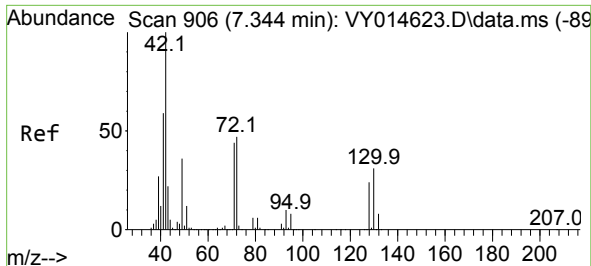
Tgt Ion:	96	Resp:	14112
Ion	Ratio	Lower	Upper
96	100		
61	188.8	0.0	301.4
98	65.9	0.0	130.4



#28
Bromochloromethane
Concen: 4.135 ug/l
RT: 7.319 min Scan# 902
Delta R.T. -0.007 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion:	49	Resp:	10431
Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	0.0	60.7	91.1#





#29

Tetrahydrofuran

Concen: 20.740 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

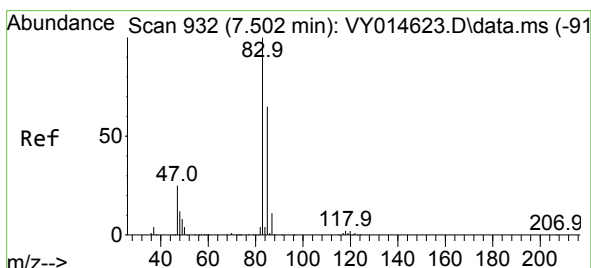
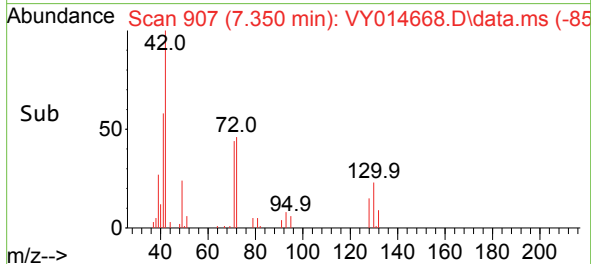
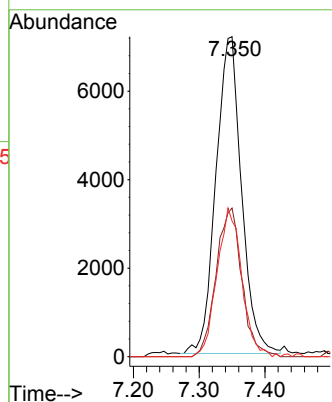
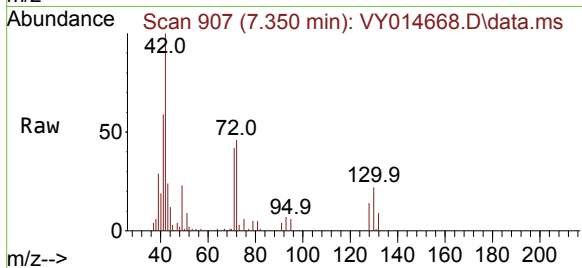
Tgt Ion: 42 Resp: 19431

Ion Ratio Lower Upper

42 100

72 47.1 32.8 49.2

71 45.3 31.0 46.4



#30

Chloroform

Concen: 3.949 ug/l

RT: 7.496 min Scan# 931

Delta R.T. -0.006 min

Lab File: VY014668.D

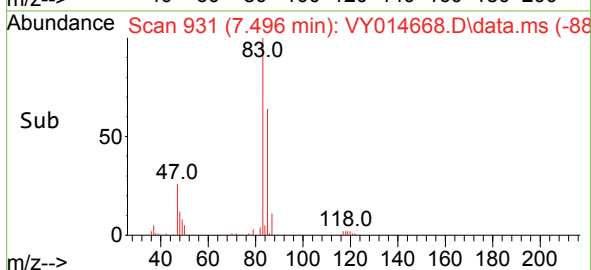
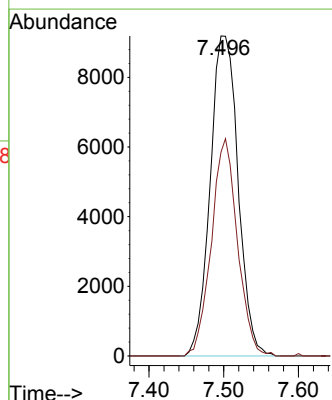
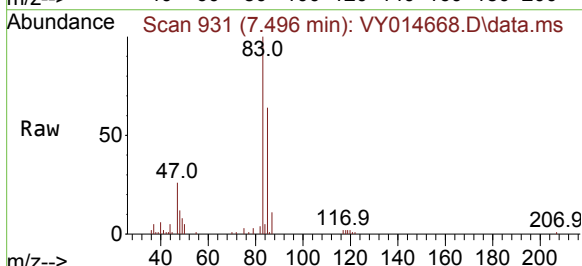
Acq: 17 Jul 2023 13:32

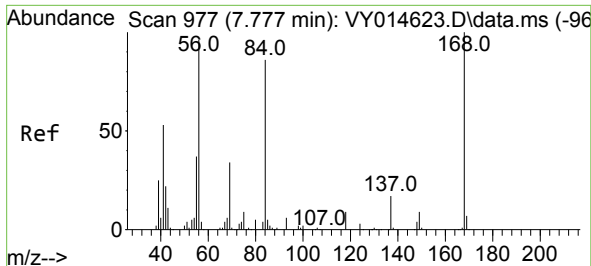
Tgt Ion: 83 Resp: 23852

Ion Ratio Lower Upper

83 100

85 63.7 49.7 74.5

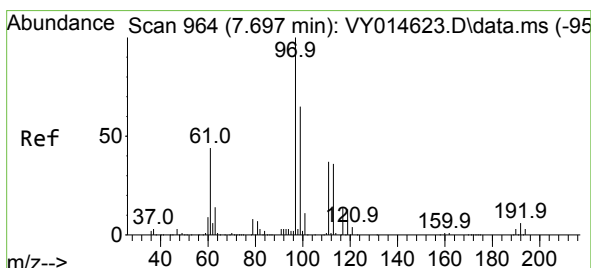
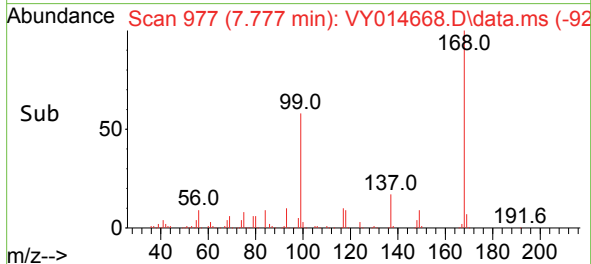
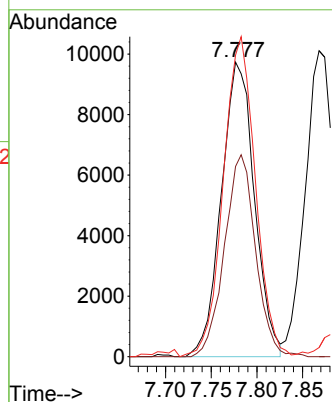
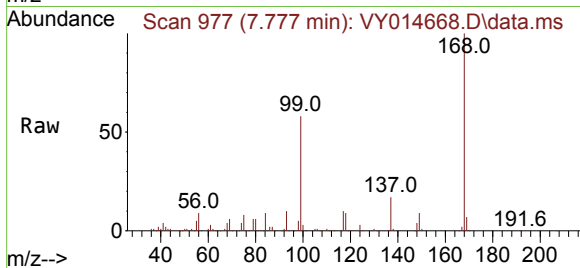




#31
Cyclohexane
Concen: 4.504 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

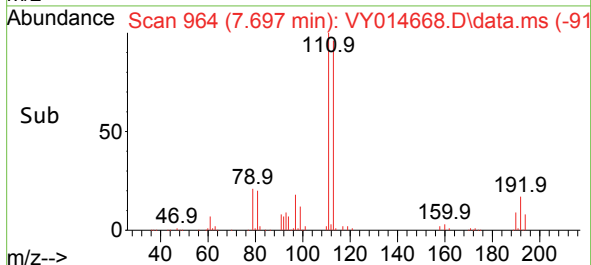
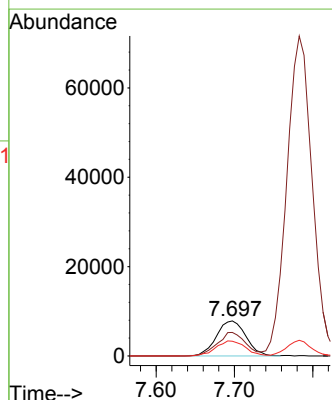
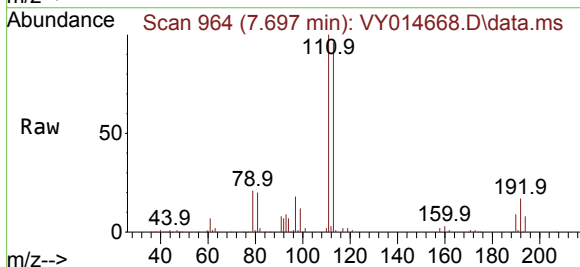
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

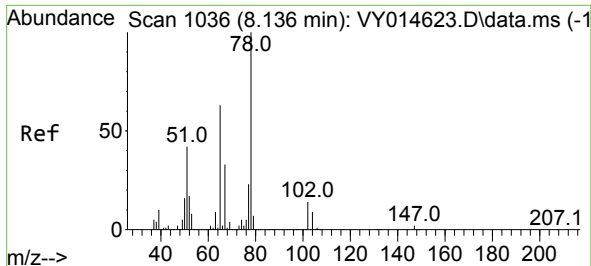
Tgt Ion: 56 Resp: 24536
Ion Ratio Lower Upper
56 100
69 64.6 27.8 41.6#
84 102.4 66.4 99.6#



#32
1,1,1-Trichloroethane
Concen: 3.784 ug/l
RT: 7.697 min Scan# 964
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 97 Resp: 20571
Ion Ratio Lower Upper
97 100
99 64.5 50.8 76.2
61 43.0 35.1 52.7

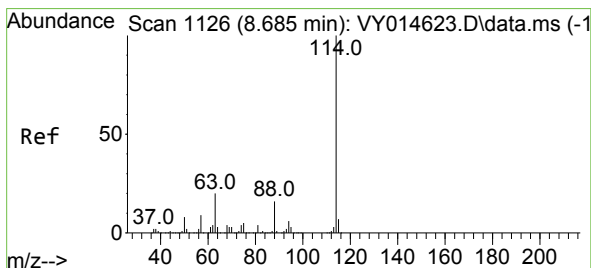
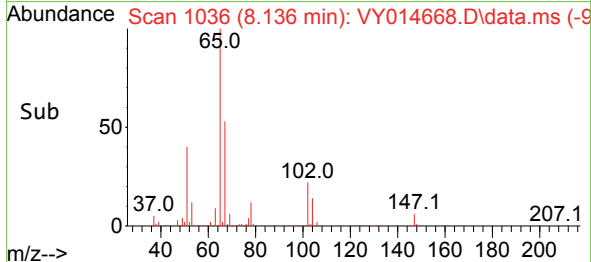
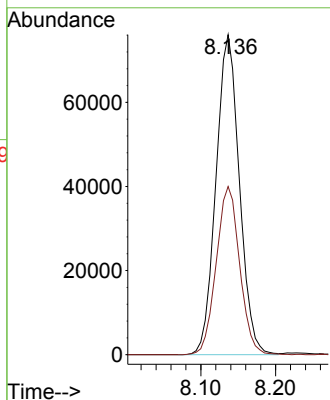
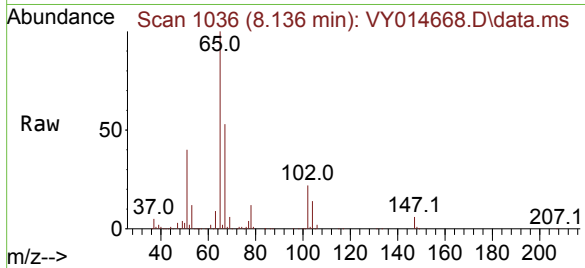




#33
 1,2-Dichloroethane-d4
 Concen: 50.498 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014668.D
 Acq: 17 Jul 2023 13:32

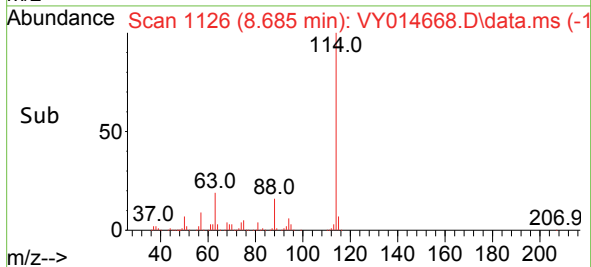
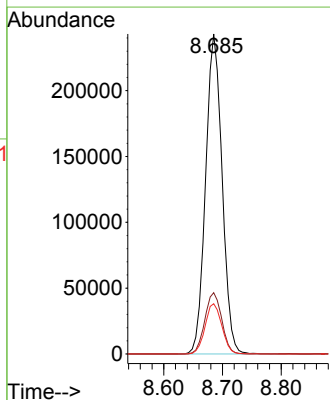
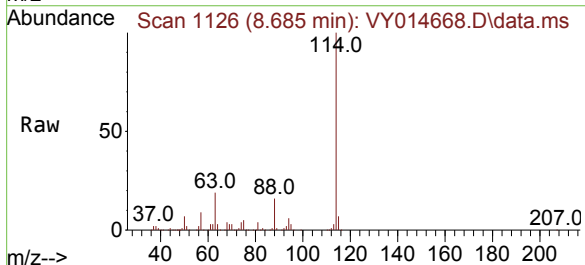
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT3-2023

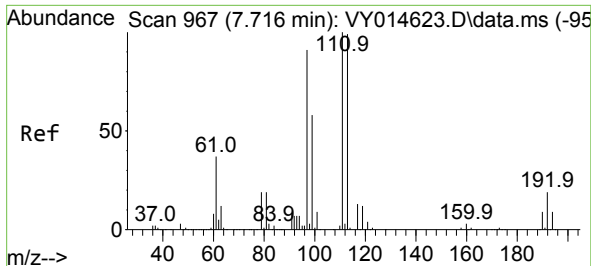
Tgt Ion: 65 Resp: 165729
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014668.D
 Acq: 17 Jul 2023 13:32

Tgt Ion:114 Resp: 473543
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 42.4
 88 15.7 0.0 30.6

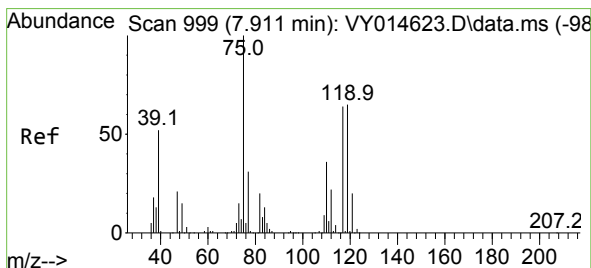
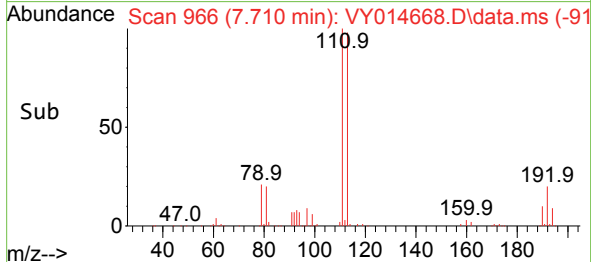
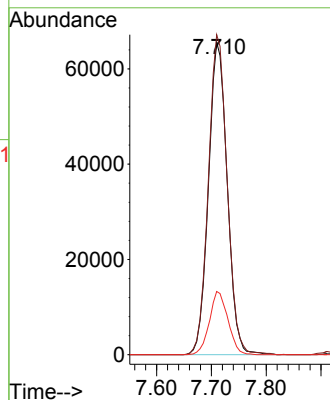
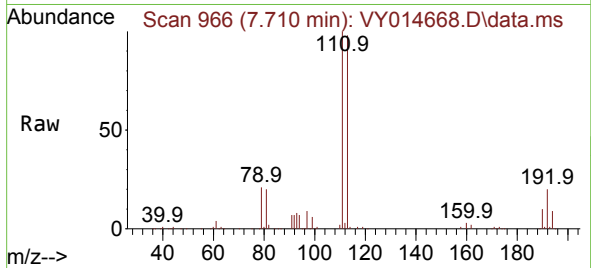




#35
Dibromofluoromethane
Concen: 51.595 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

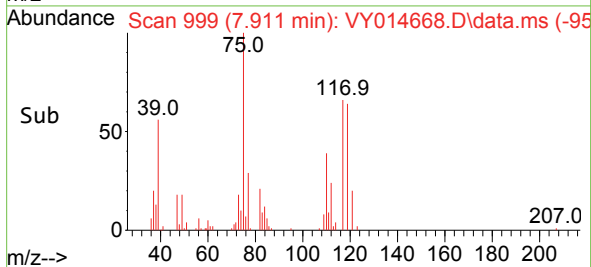
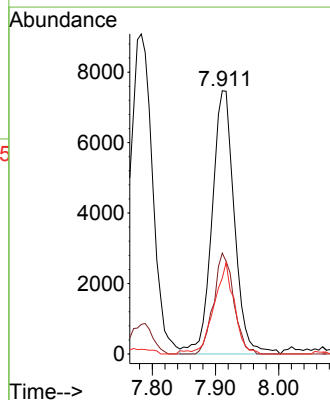
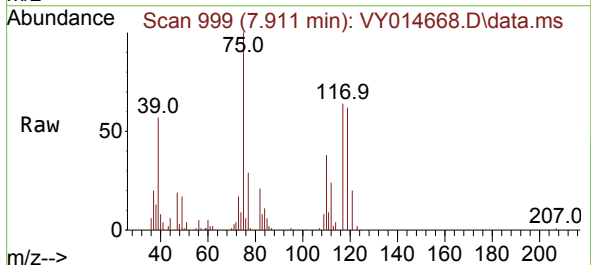
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

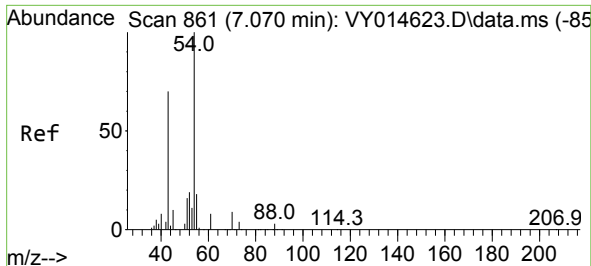
Tgt Ion:113 Resp: 155532
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 20.0 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.065 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 75 Resp: 18327
Ion Ratio Lower Upper
75 100
110 34.5 17.8 53.5
77 31.7 24.4 36.6





#37

Ethyl Acetate

Concen: 4.380 ug/l

RT: 7.069 min Scan# 8

Delta R.T. -0.001 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

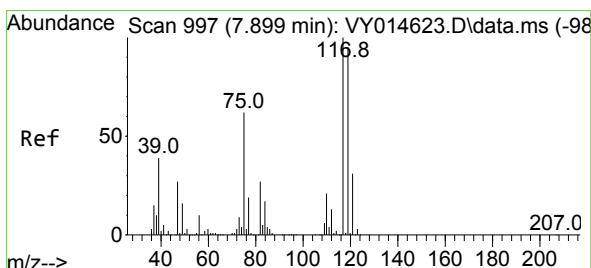
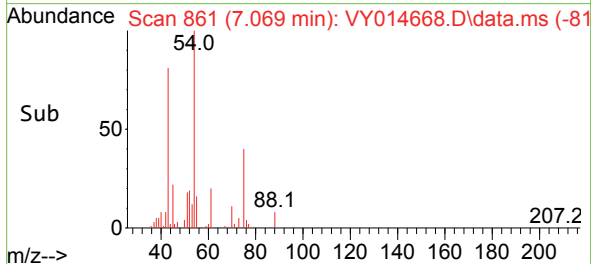
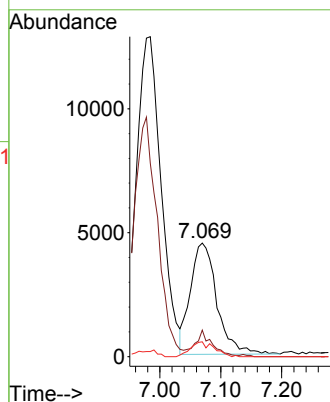
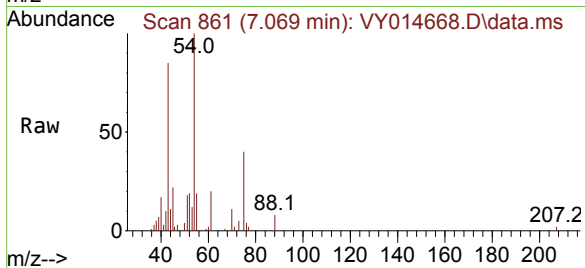
Tgt Ion: 43 Resp: 13594

Ion Ratio Lower Upper

43 100

61 13.6 10.1 15.1

70 12.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 3.888 ug/l

RT: 7.892 min Scan# 996

Delta R.T. -0.007 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

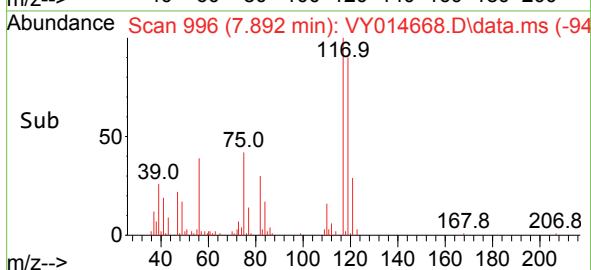
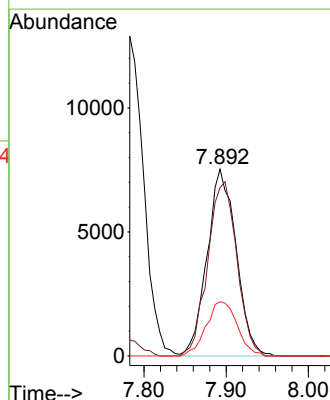
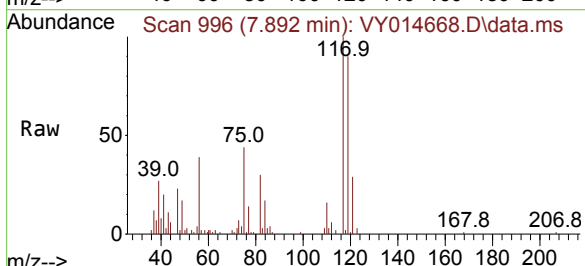
Tgt Ion: 117 Resp: 18529

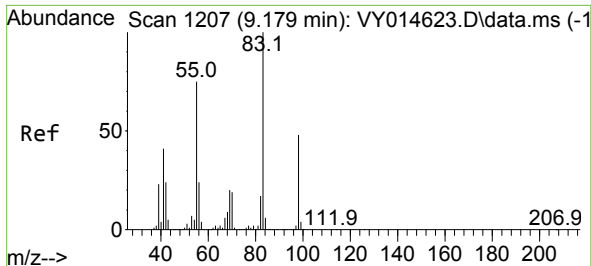
Ion Ratio Lower Upper

117 100

119 90.1 76.4 114.6

121 29.1 25.8 38.6





#39

Methylcyclohexane

Concen: 3.665 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

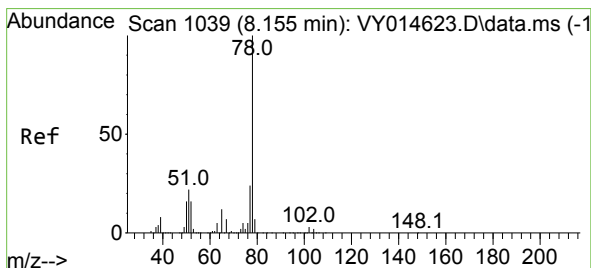
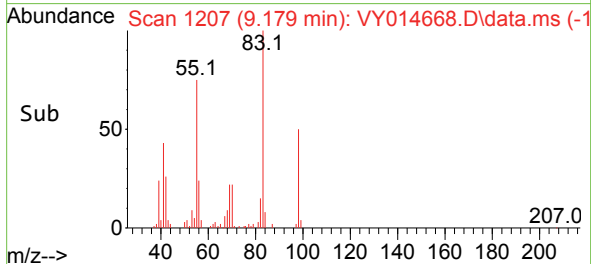
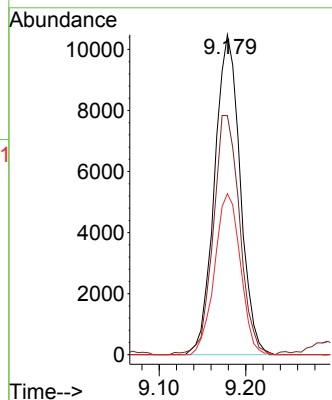
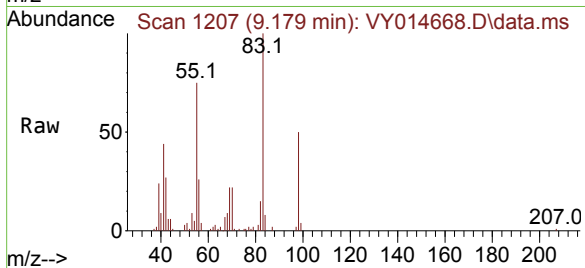
Tgt Ion: 83 Resp: 21525

Ion Ratio Lower Upper

83 100

55 74.1 63.0 94.4

98 50.3 37.4 56.2



#40

Benzene

Concen: 3.832 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY014668.D

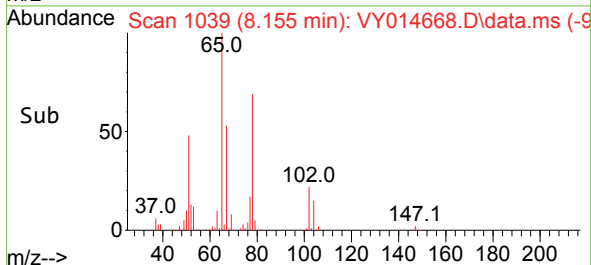
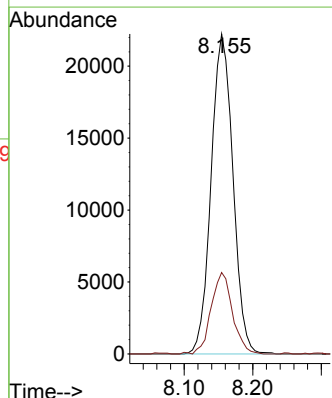
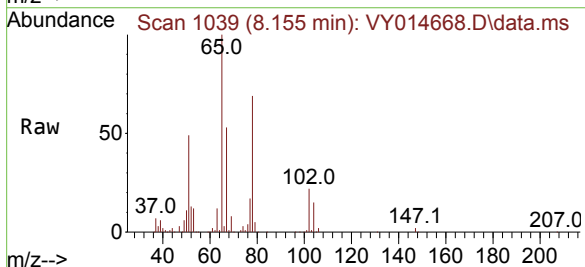
Acq: 17 Jul 2023 13:32

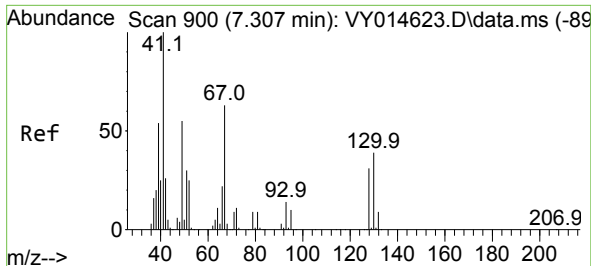
Tgt Ion: 78 Resp: 49135

Ion Ratio Lower Upper

78 100

77 25.4 19.0 28.6

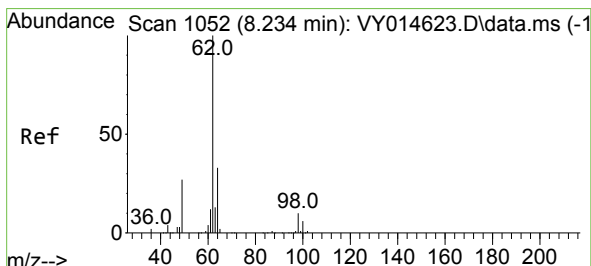
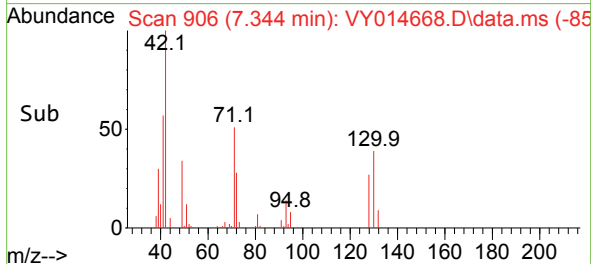
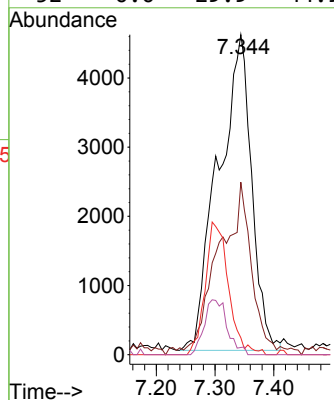
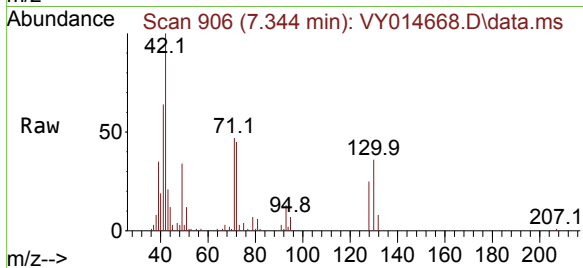




#41
Methacrylonitrile
Concen: 11.245 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.037 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

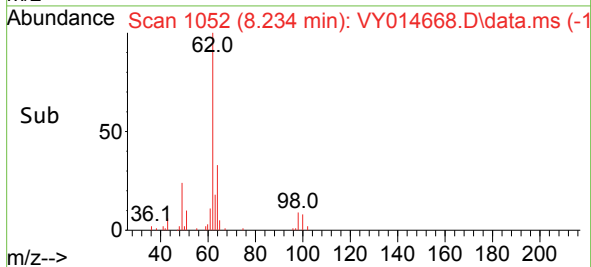
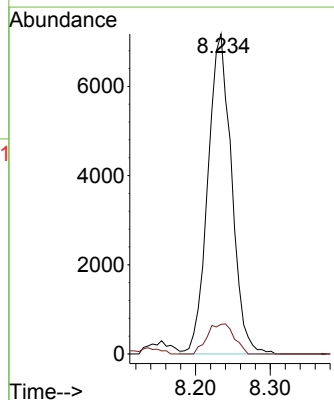
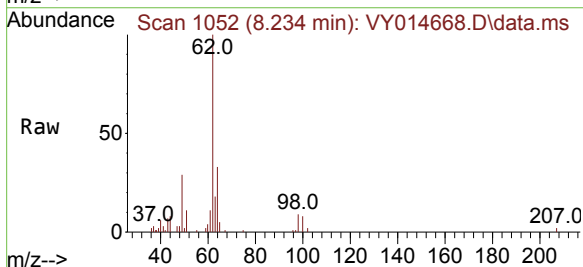
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

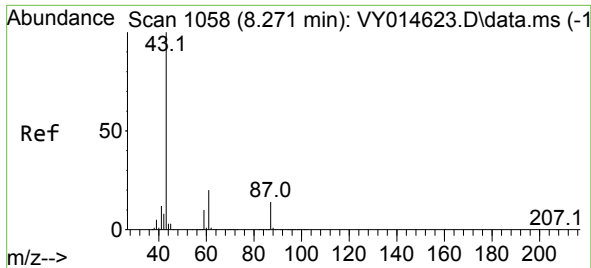
Tgt Ion:	41	Resp:	17952
Ion	Ratio	Lower	Upper
41	100		
39	54.4	52.1	78.1
67	0.0	66.2	99.2#
52	0.0	29.9	44.9#



#42
1,2-Dichloroethane
Concen: 3.891 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion:	62	Resp:	15799
Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	15.8

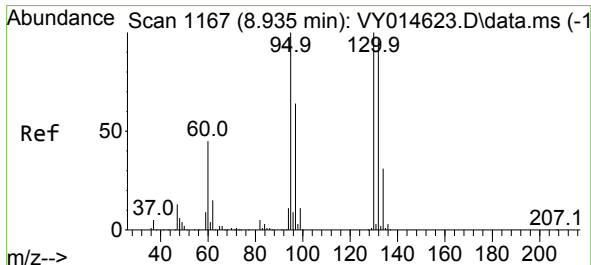
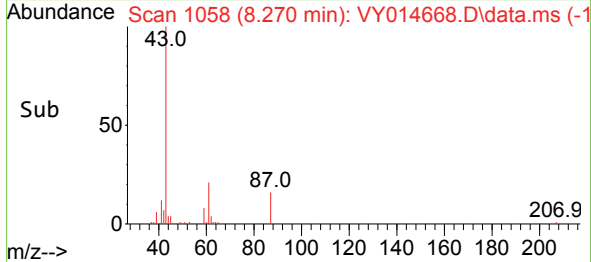
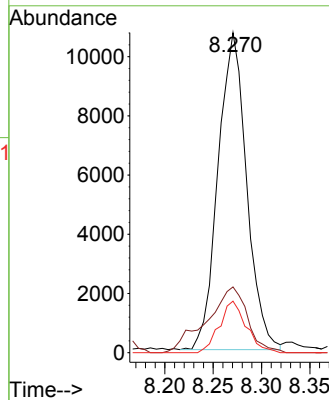
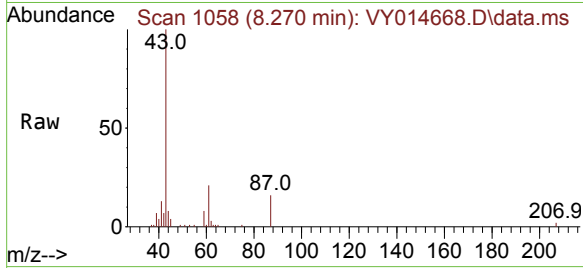




#43
Isopropyl Acetate
Concen: 3.726 ug/l
RT: 8.270 min Scan# 1105
Delta R.T. -0.001 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

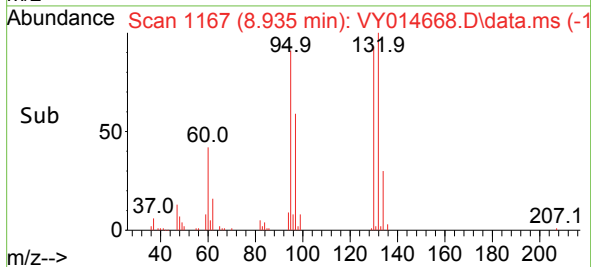
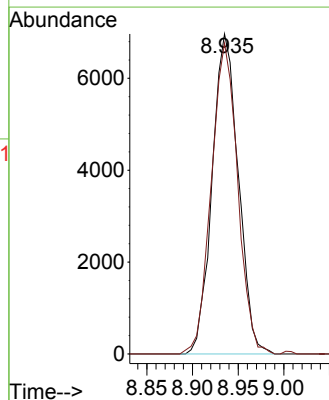
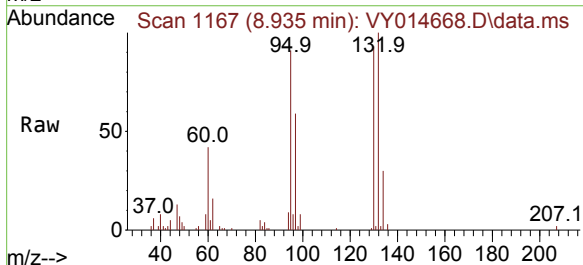
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2023

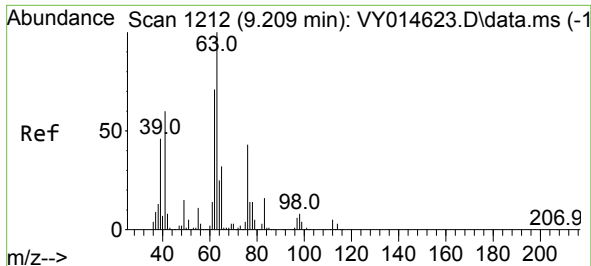
Tgt Ion: 43	Resp: 22031
Ion Ratio	Lower Upper
43 100	
61 29.4	21.1 31.7
87 15.3	9.8 14.8#



#44
Trichloroethene
Concen: 3.872 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion:130	Resp:	13889	
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	196.0





#45

1,2-Dichloropropane

Concen: 3.911 ug/l

RT: 9.215 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

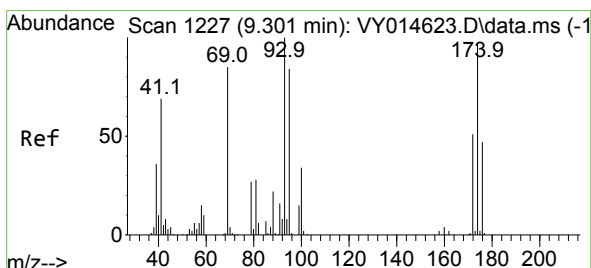
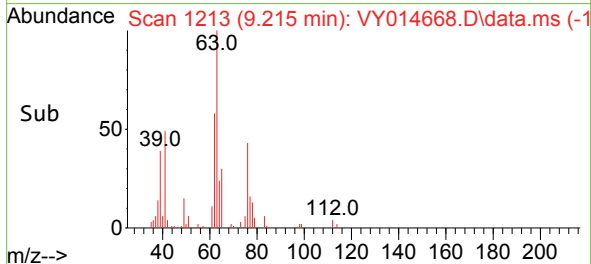
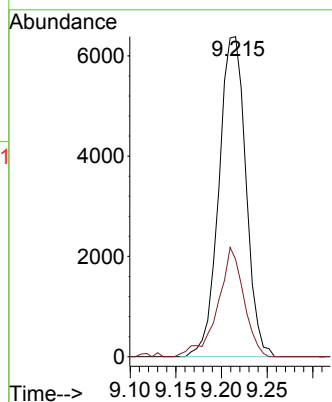
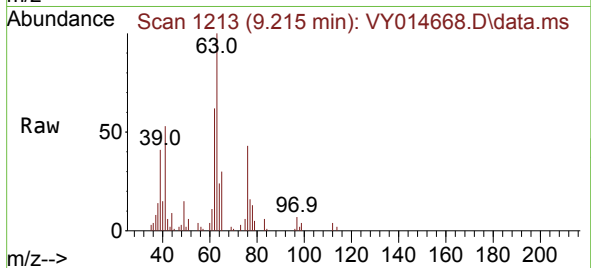
MDL-SOIL-03-QT3-2023

Tgt Ion: 63 Resp: 13092

Ion Ratio Lower Upper

63 100

65 30.5 23.8 35.6



#46

Dibromomethane

Concen: 3.843 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.006 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

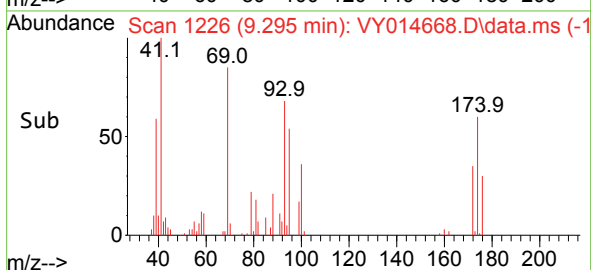
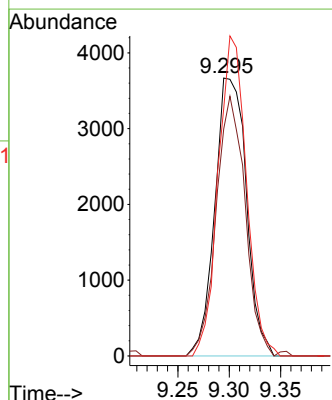
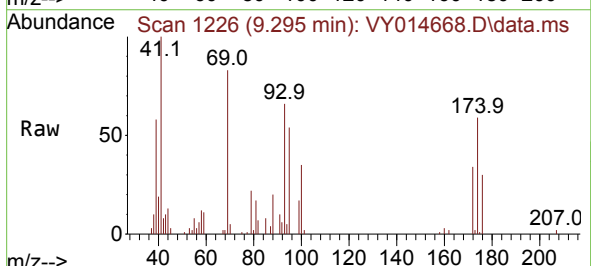
Tgt Ion: 93 Resp: 7806

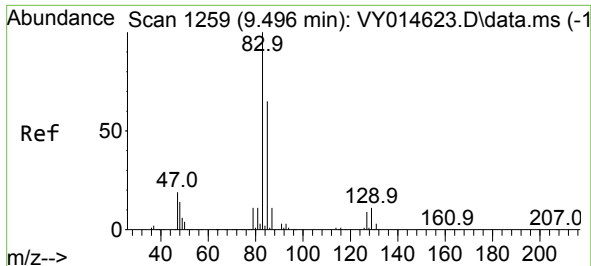
Ion Ratio Lower Upper

93 100

95 86.3 66.6 100.0

174 102.7 84.8 127.2

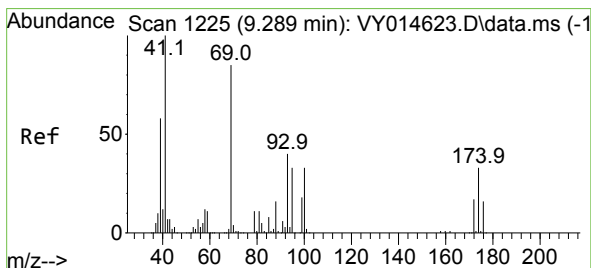
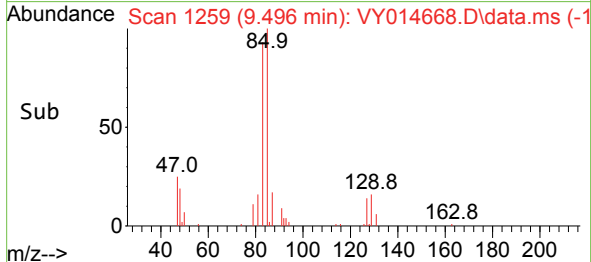
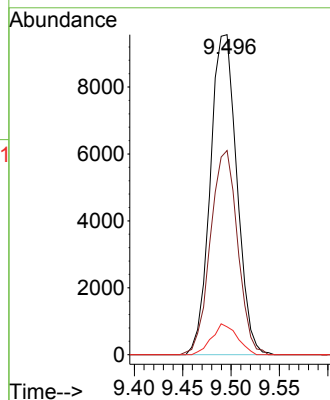
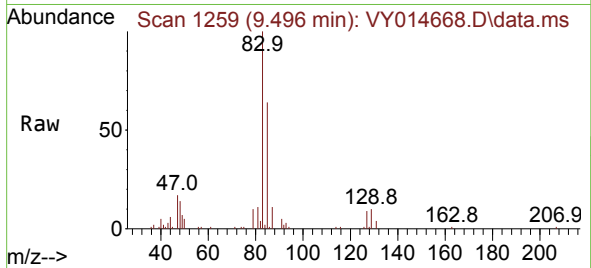




#47
Bromodichloromethane
Concen: 3.818 ug/l
RT: 9.496 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

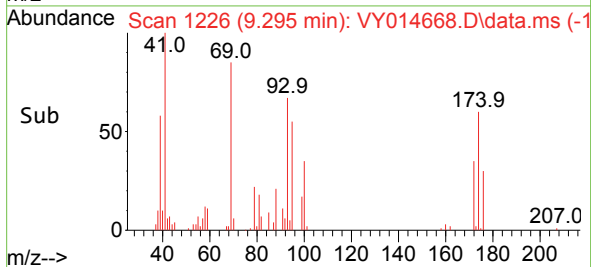
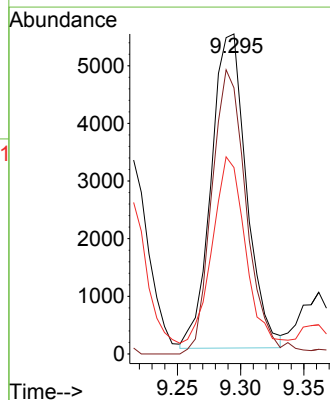
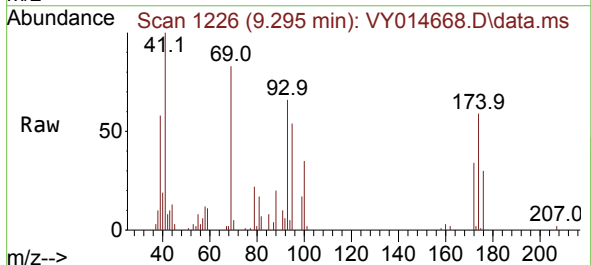
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

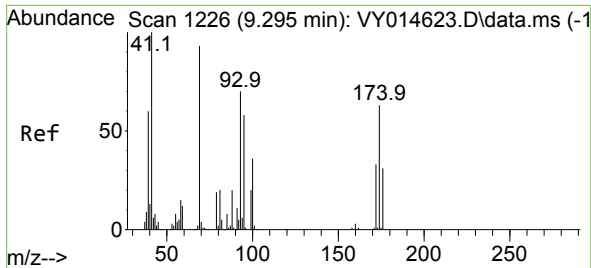
Tgt Ion:	83	Resp:	18278
Ion	Ratio	Lower	Upper
83	100		
85	63.8	50.1	75.1
127	8.7	7.1	10.7



#48
Methyl methacrylate
Concen: 3.979 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion:	41	Resp:	10586
Ion	Ratio	Lower	Upper
41	100		
69	88.8	64.5	96.7
39	61.9	50.8	76.2

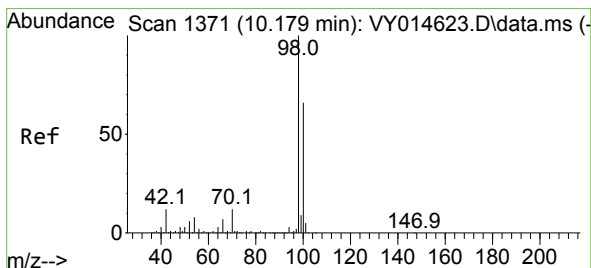
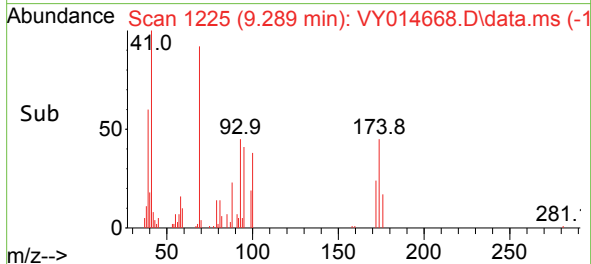
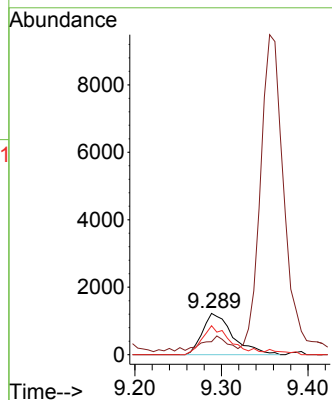
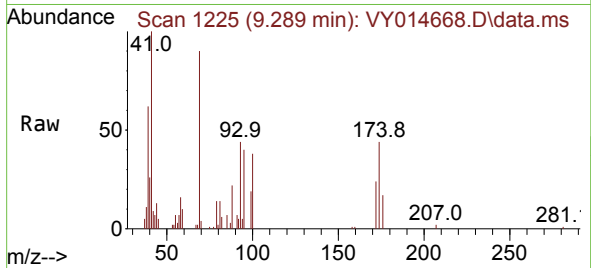




#49
1,4-Dioxane
Concen: 89.803 ug/l
RT: 9.289 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

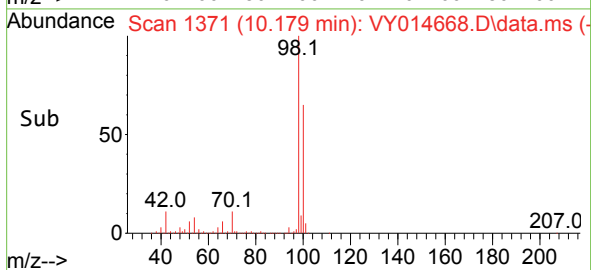
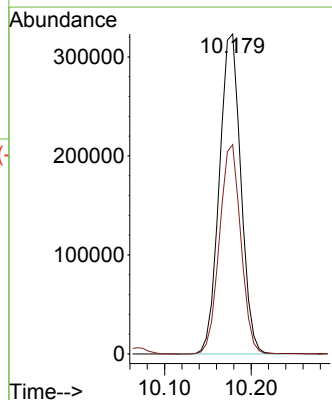
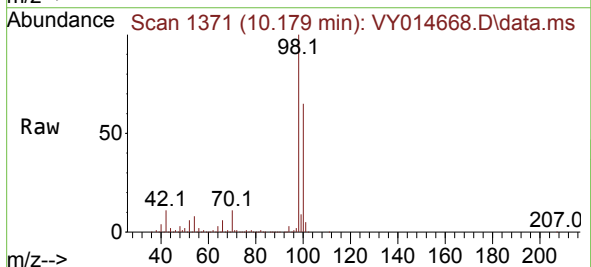
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

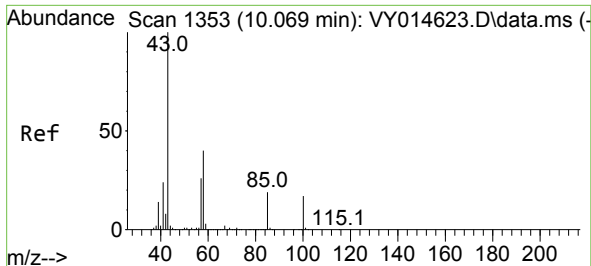
Tgt Ion: 88 Resp: 2974
Ion Ratio Lower Upper
88 100
43 29.1 0.0 0.0#
58 65.9 30.9 46.3#



#50
Toluene-d8
Concen: 50.165 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 98 Resp: 557519
Ion Ratio Lower Upper
98 100
100 65.1 50.1 75.1

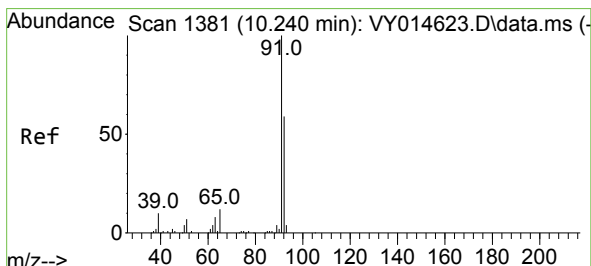
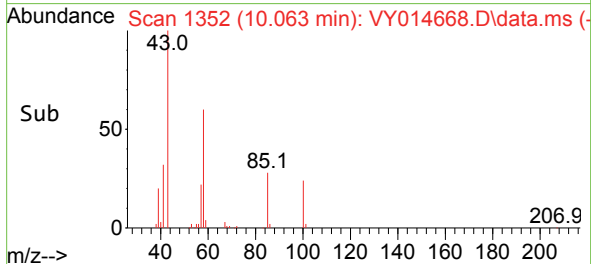
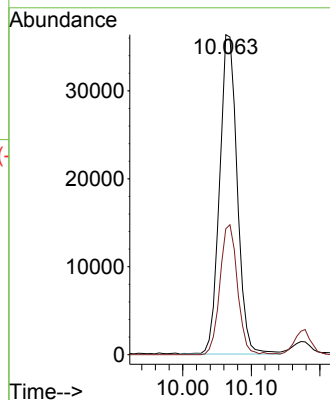
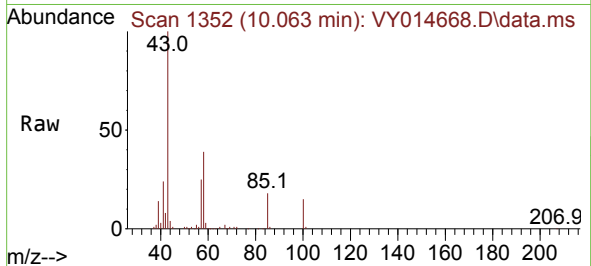




#51
4-Methyl-2-Pentanone
Concen: 20.845 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

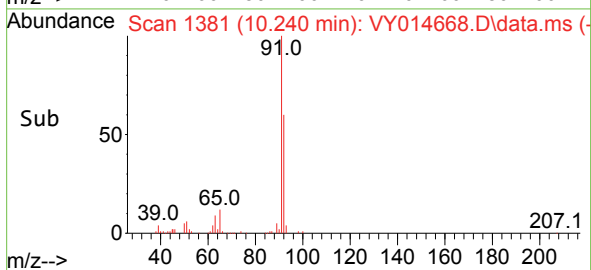
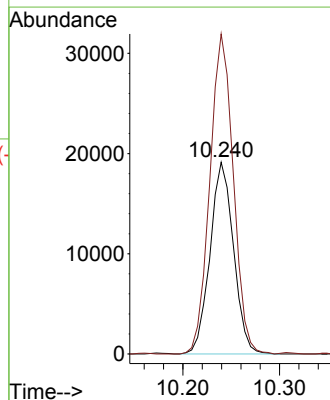
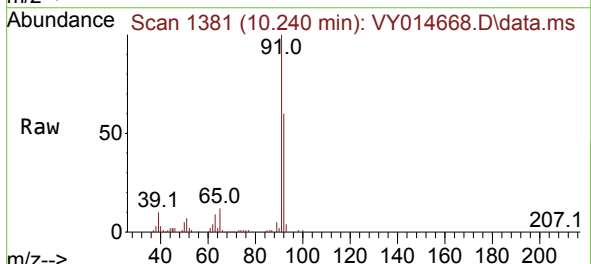
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

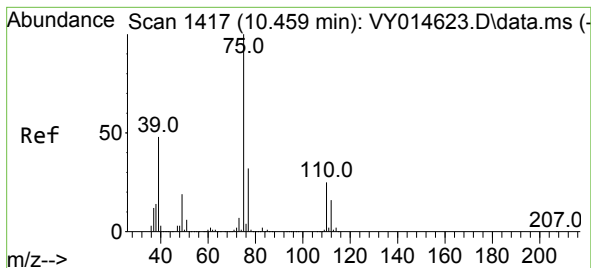
Tgt Ion: 43 Resp: 64710
Ion Ratio Lower Upper
43 100
58 40.5 29.0 43.6



#52
Toluene
Concen: 3.936 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 92 Resp: 32295
Ion Ratio Lower Upper
92 100
91 166.9 143.8 215.6





#53

t-1,3-Dichloropropene

Concen: 3.737 ug/l

RT: 10.459 min Scan# 1417

Delta R.T. 0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

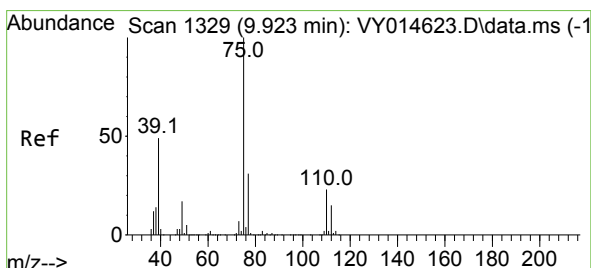
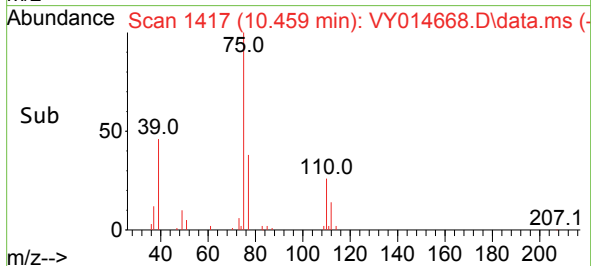
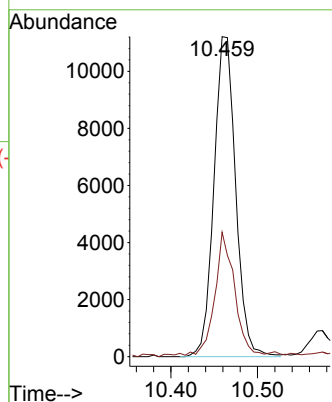
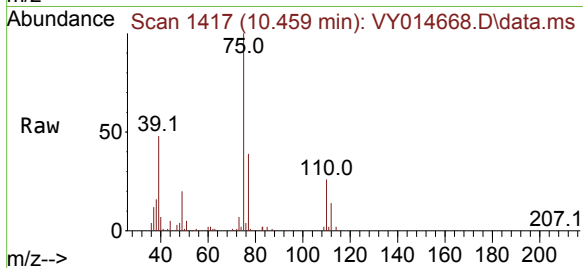
MDL-SOIL-03-QT3-2023

Tgt Ion: 75 Resp: 19565

Ion Ratio Lower Upper

75 100

77 38.0 25.0 37.4#



#54

cis-1,3-Dichloropropene

Concen: 3.787 ug/l

RT: 9.923 min Scan# 1329

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

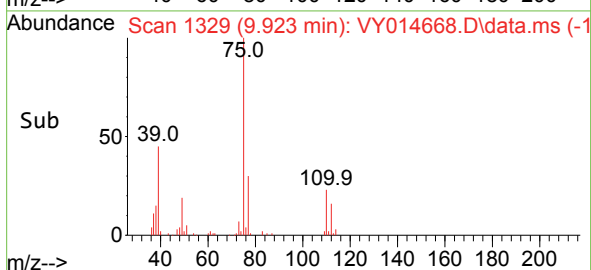
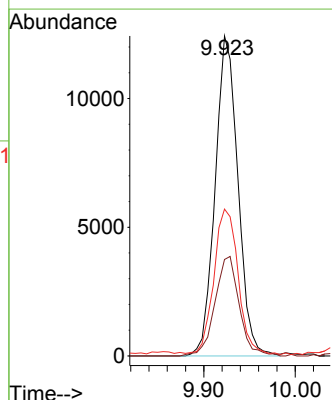
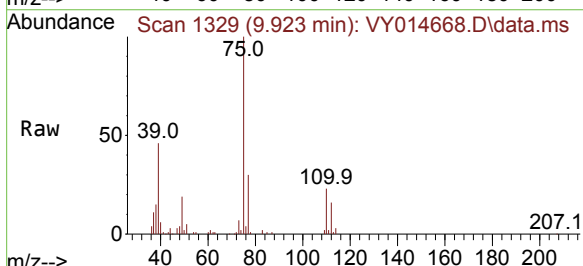
Tgt Ion: 75 Resp: 21565

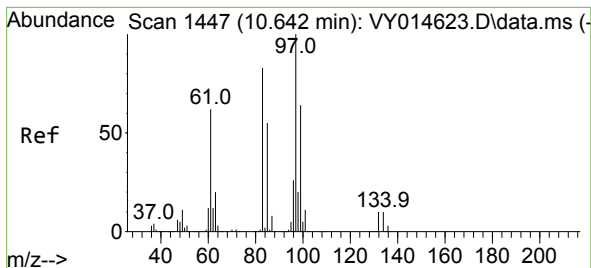
Ion Ratio Lower Upper

75 100

77 30.2 24.2 36.4

39 45.4 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 4.003 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

Tgt Ion: 97 Resp: 11324

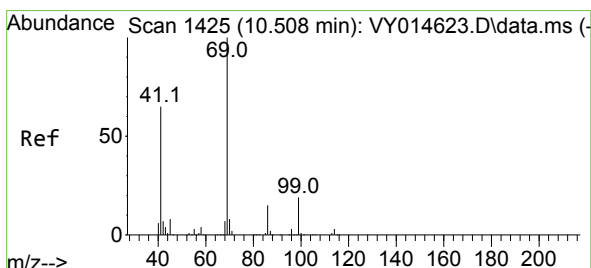
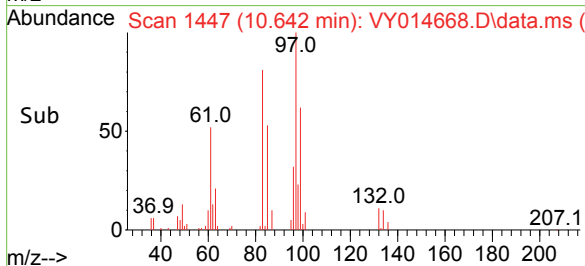
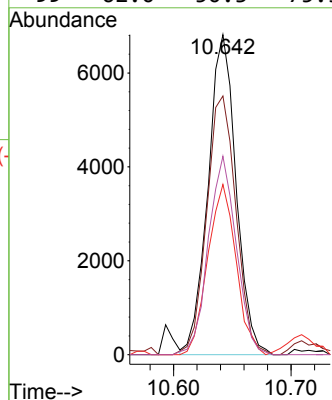
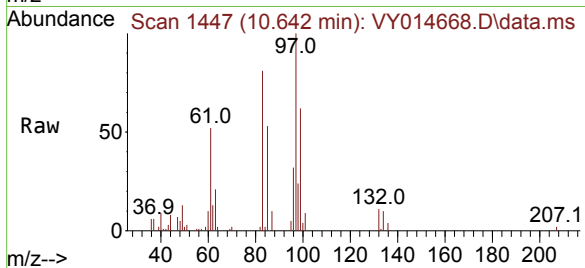
Ion Ratio Lower Upper

97 100

83 80.9 72.0 108.0

85 53.2 45.4 68.0

99 62.0 50.3 75.5



#56

Ethyl methacrylate

Concen: 3.858 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

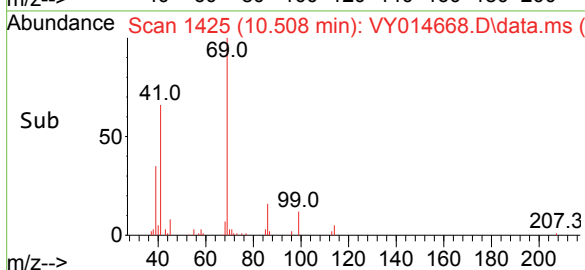
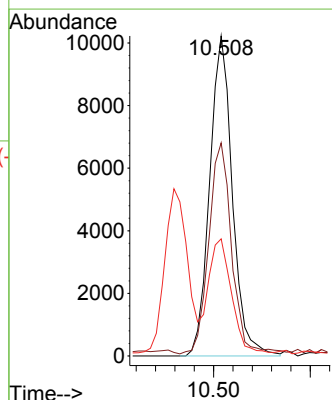
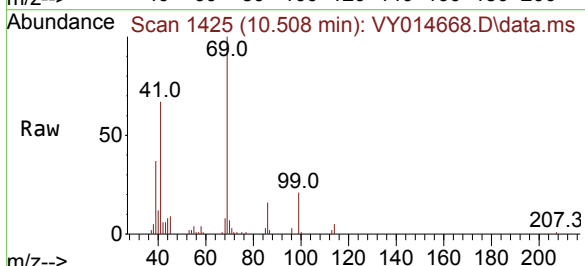
Tgt Ion: 69 Resp: 16667

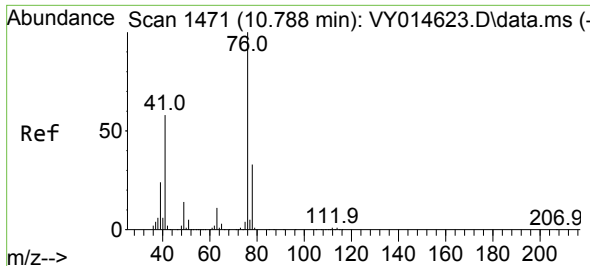
Ion Ratio Lower Upper

69 100

41 66.3 57.6 86.4

39 36.4 34.1 51.1





#57

1,3-Dichloropropane

Concen: 3.875 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

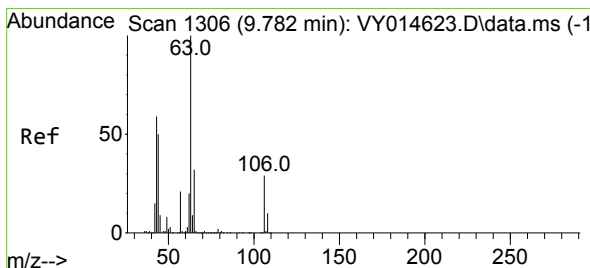
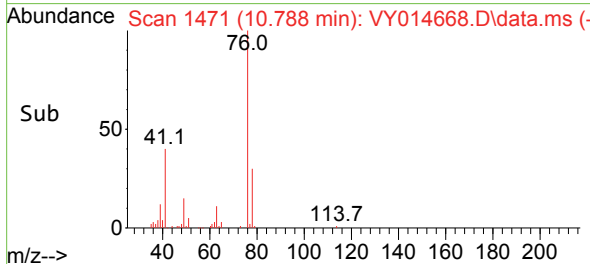
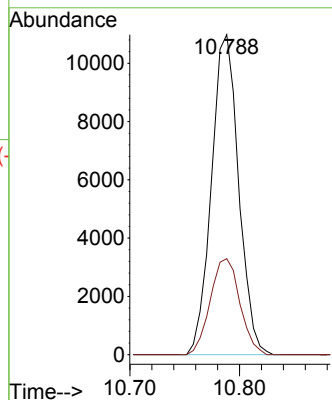
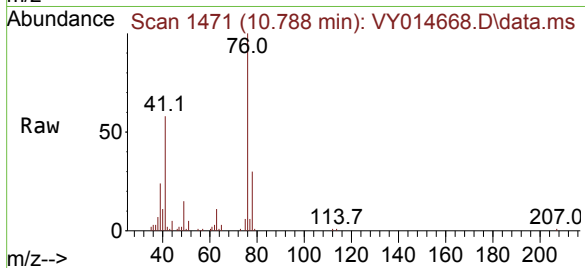
MDL-SOIL-03-QT3-2023

Tgt Ion: 76 Resp: 18910

Ion Ratio Lower Upper

76 100

78 32.7 25.3 37.9



#58

2-Chloroethyl Vinyl ether

Concen: 21.562 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. -0.006 min

Lab File: VY014668.D

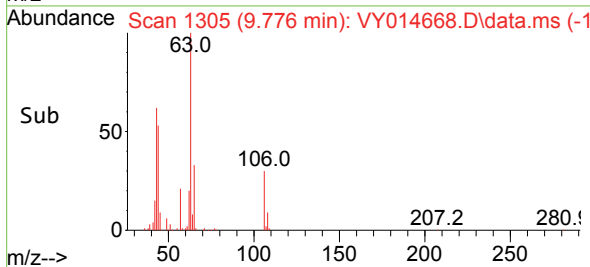
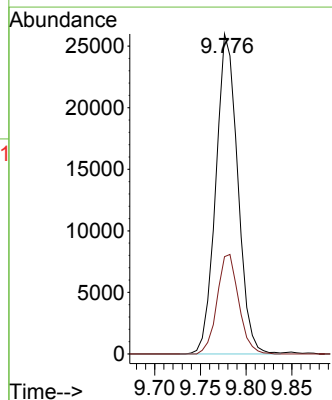
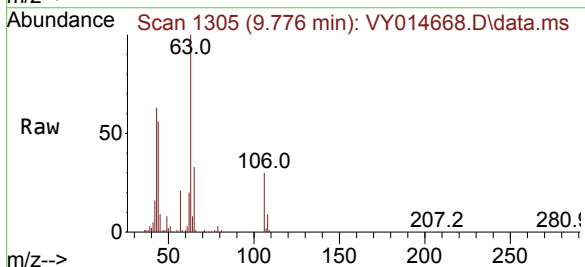
Acq: 17 Jul 2023 13:32

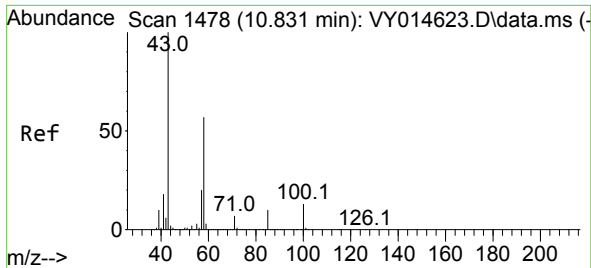
Tgt Ion: 63 Resp: 43398

Ion Ratio Lower Upper

63 100

106 30.6 21.2 31.8

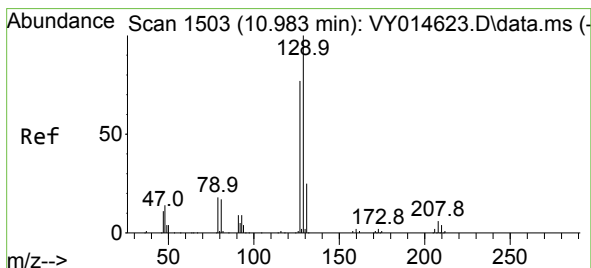
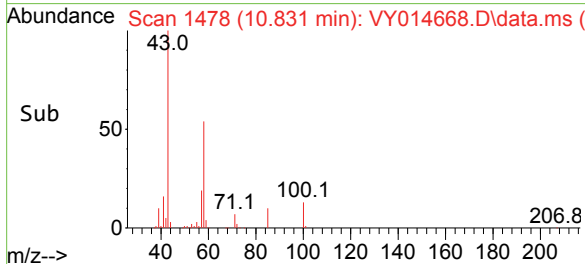
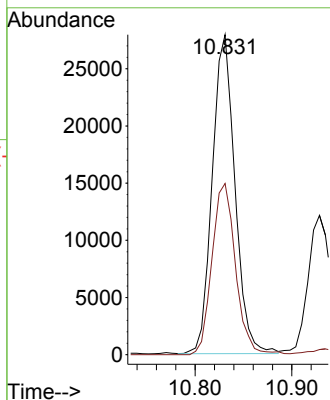
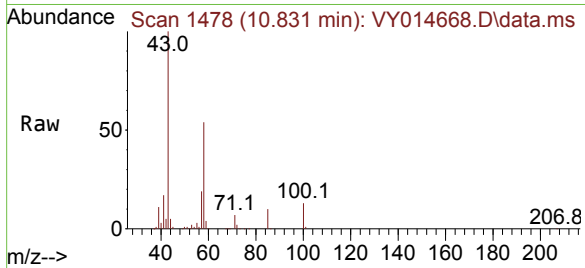




#59
2-Hexanone
Concen: 20.064 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

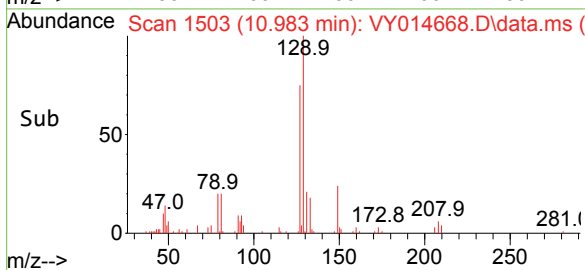
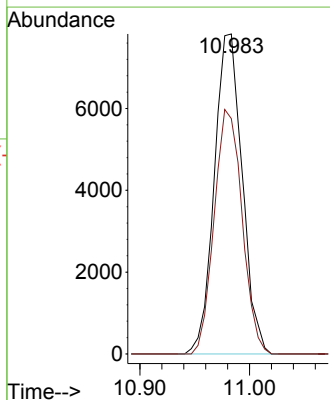
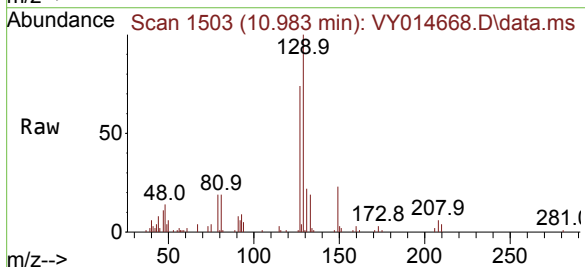
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

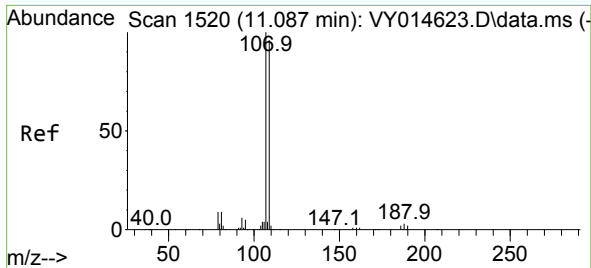
Tgt Ion: 43 Resp: 45421
Ion Ratio Lower Upper
43 100
58 55.8 25.1 75.3



#60
Dibromochloromethane
Concen: 3.985 ug/l
RT: 10.983 min Scan# 1503
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 129 Resp: 13821
Ion Ratio Lower Upper
129 100
127 76.3 38.5 115.5

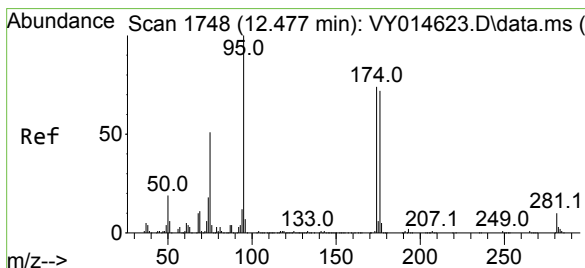
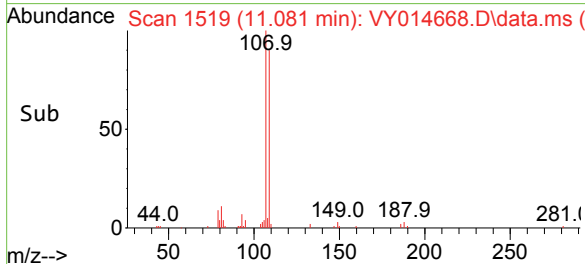
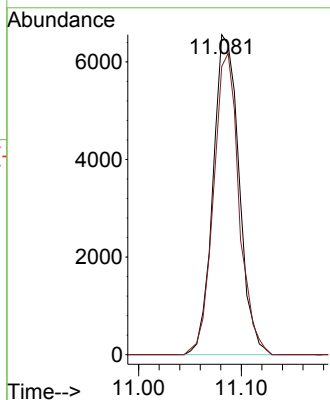
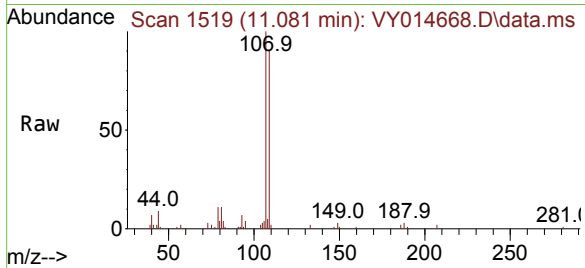




#61
1,2-Dibromoethane
Concen: 4.079 ug/l
RT: 11.081 min Scan# 1519
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

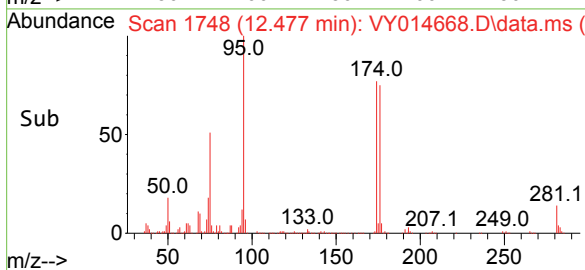
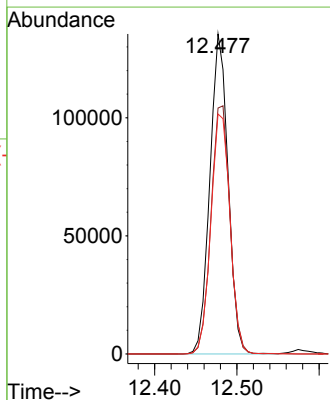
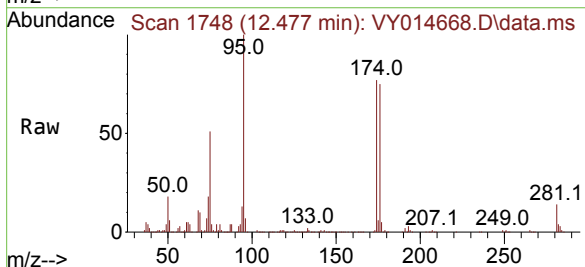
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

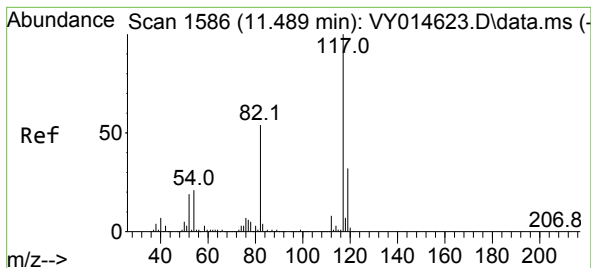
Tgt Ion:107 Resp: 11513
Ion Ratio Lower Upper
107 100
109 92.4 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 49.035 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion: 95 Resp: 208959
Ion Ratio Lower Upper
95 100
174 80.6 0.0 178.2
176 78.8 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

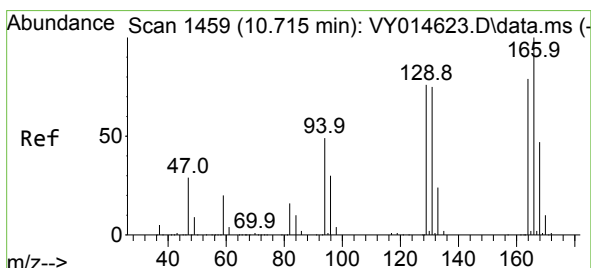
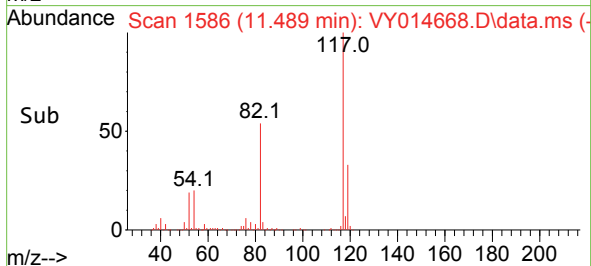
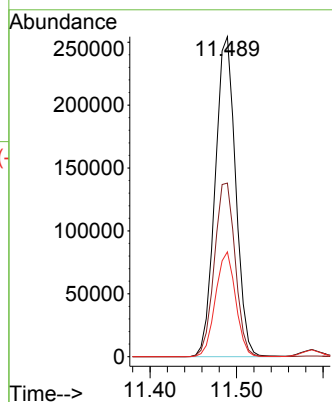
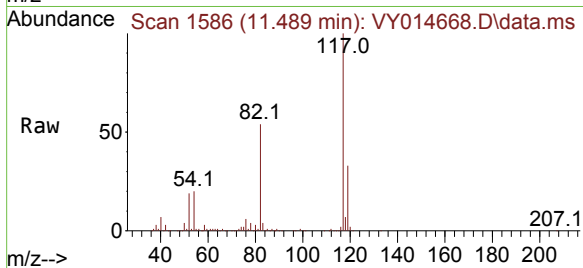
Tgt Ion:117 Resp: 417624

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 32.8 26.3 39.5



#64

Tetrachloroethene

Concen: 4.199 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Tgt Ion:164 Resp: 14105

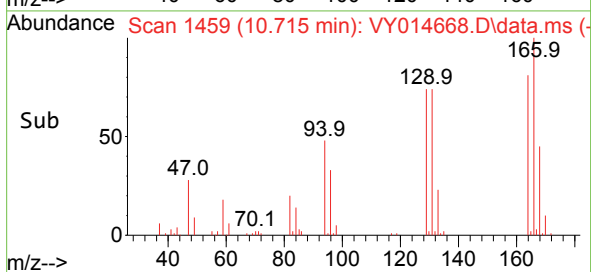
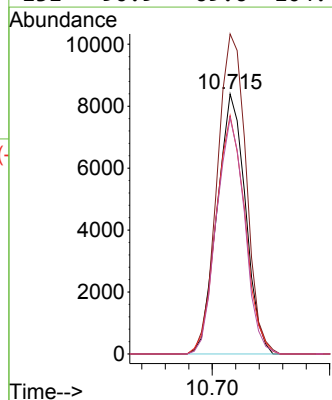
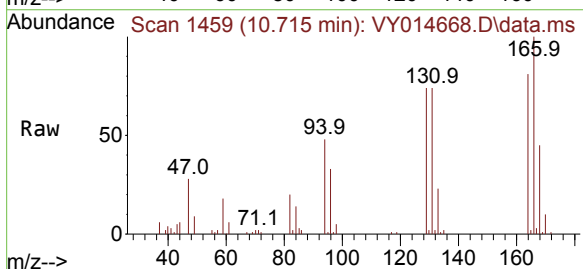
Ion Ratio Lower Upper

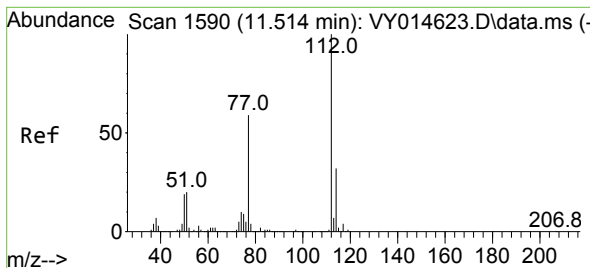
164 100

166 123.1 103.0 154.6

129 91.6 77.2 115.8

131 90.9 69.6 104.4





#65

Chlorobenzene

Concen: 3.986 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

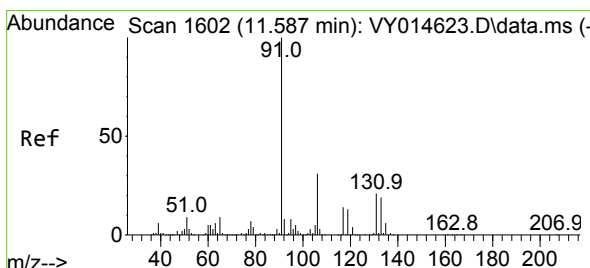
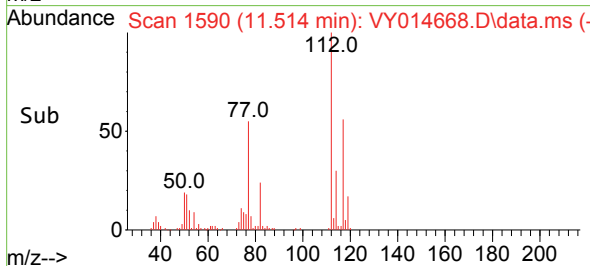
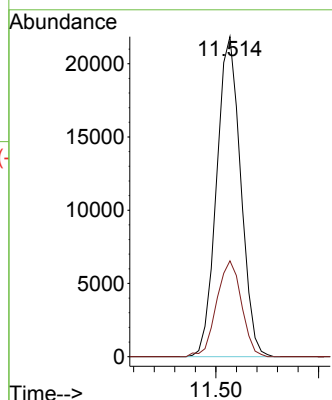
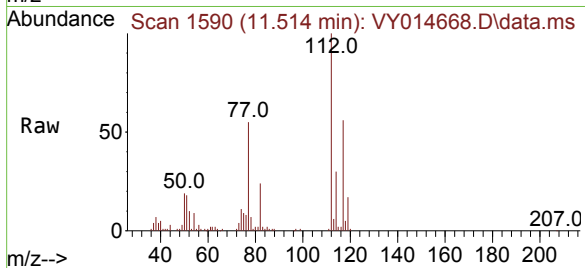
MDL-SOIL-03-QT3-2023

Tgt Ion:112 Resp: 35472

Ion Ratio Lower Upper

112 100

114 30.0 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 3.836 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

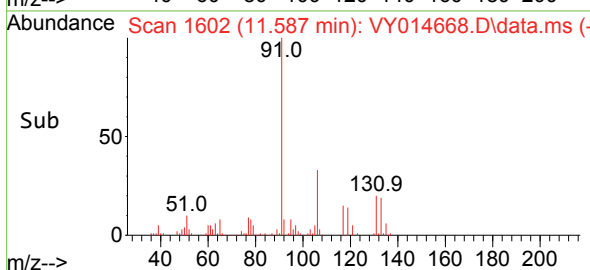
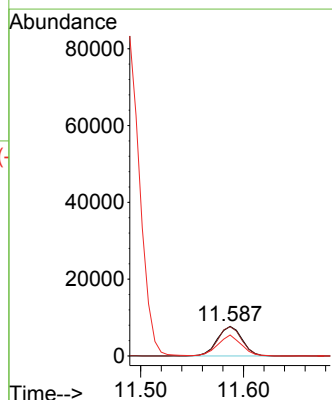
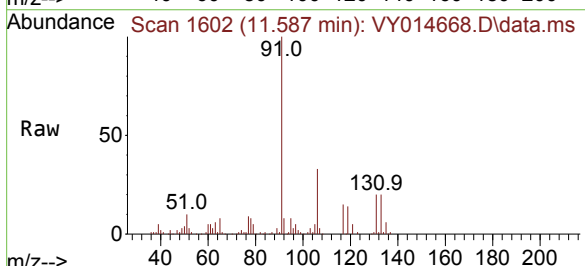
Tgt Ion:131 Resp: 12872

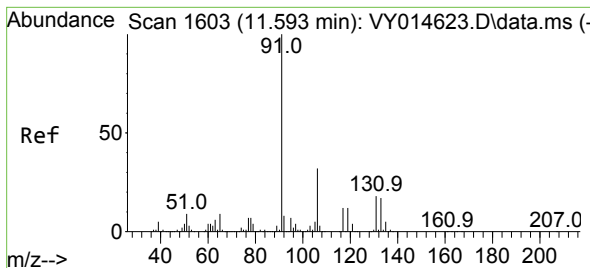
Ion Ratio Lower Upper

131 100

133 97.6 47.5 142.6

119 67.5 31.6 94.7





#67

Ethyl Benzene

Concen: 3.832 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

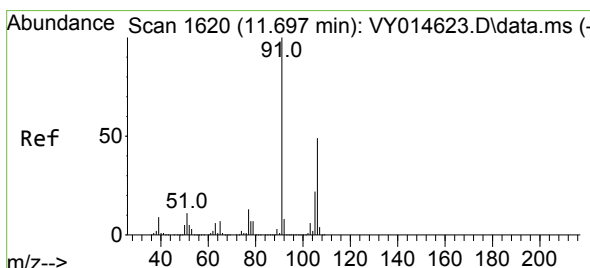
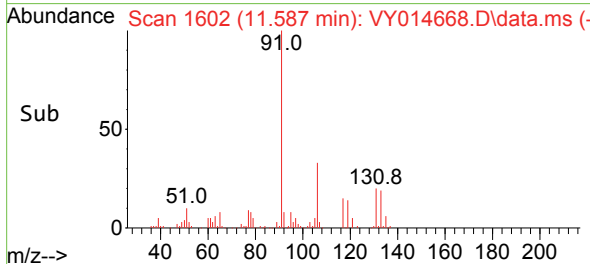
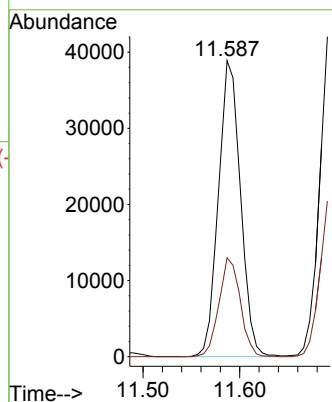
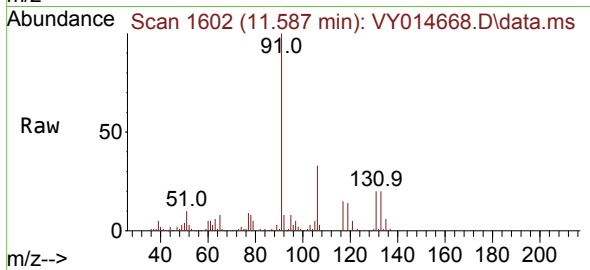
MDL-SOIL-03-QT3-2023

Tgt Ion: 91 Resp: 61579

Ion Ratio Lower Upper

91 100

106 33.4 24.6 36.8



#68

m/p-Xylenes

Concen: 7.745 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014668.D

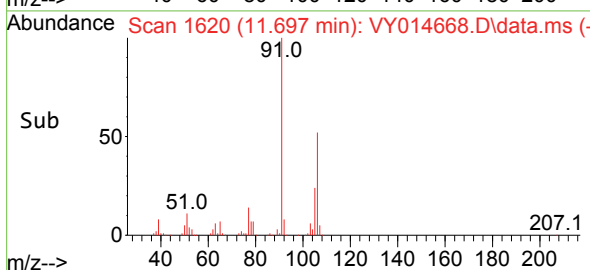
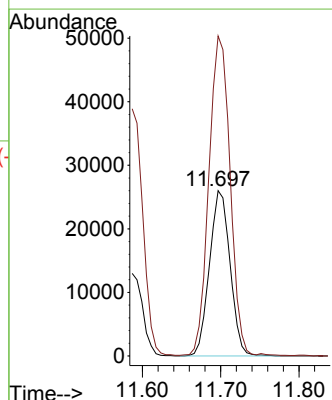
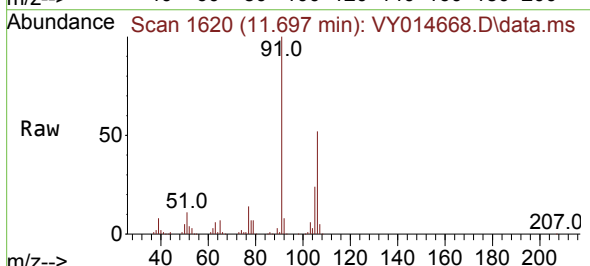
Acq: 17 Jul 2023 13:32

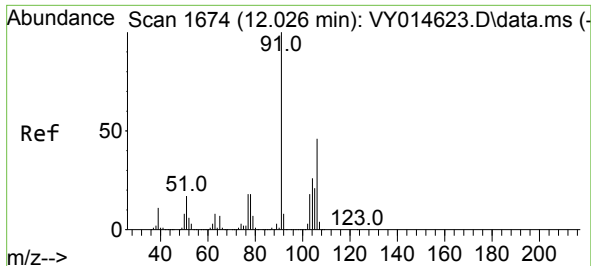
Tgt Ion:106 Resp: 47504

Ion Ratio Lower Upper

106 100

91 198.0 166.1 249.1

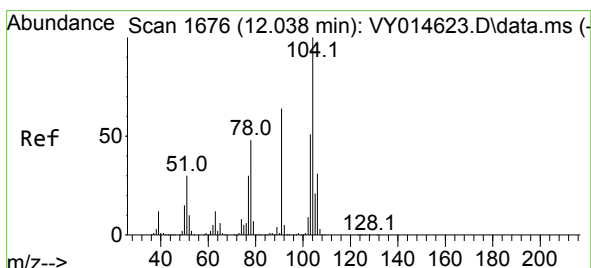
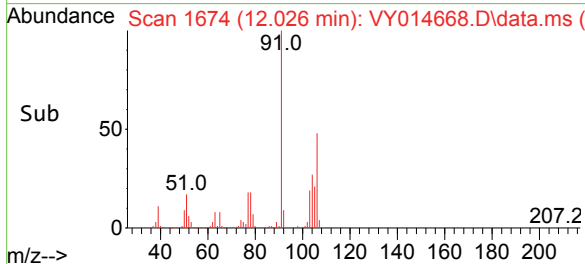
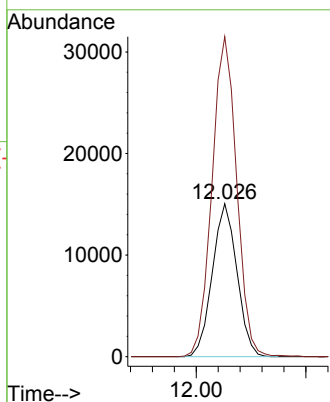
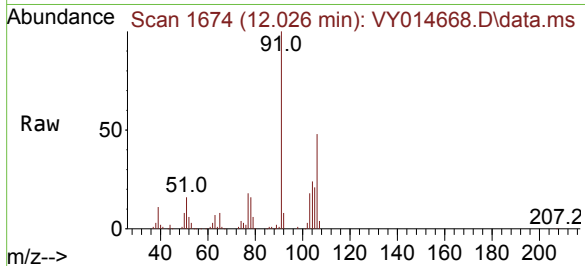




#69
o-Xylene
Concen: 3.927 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

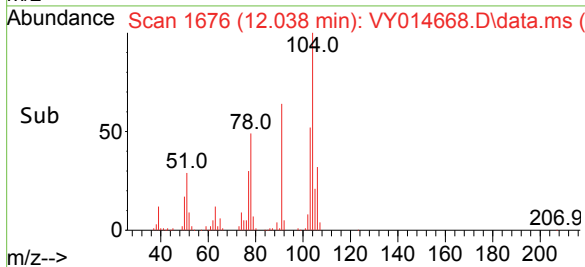
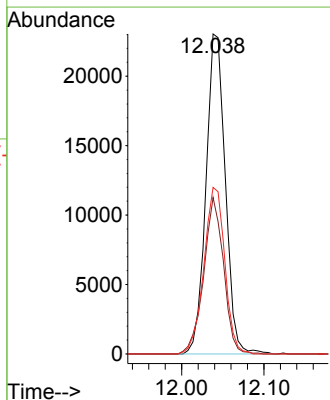
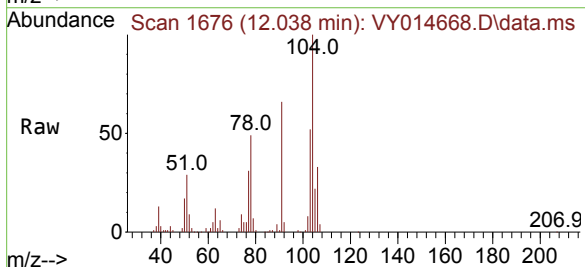
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2023

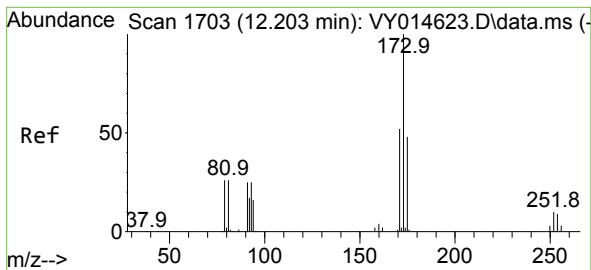
Tgt Ion:106 Resp: 23463
Ion Ratio Lower Upper
106 100
91 209.9 108.1 324.3



#70
Styrene
Concen: 3.744 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion:104 Resp: 37697
Ion Ratio Lower Upper
104 100
78 50.1 41.5 62.3
103 56.3 44.6 67.0





#71

Bromoform

Concen: 4.029 ug/l

RT: 12.203 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

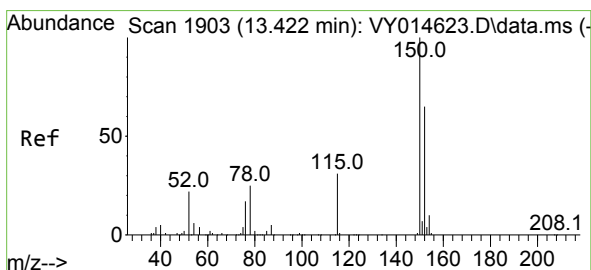
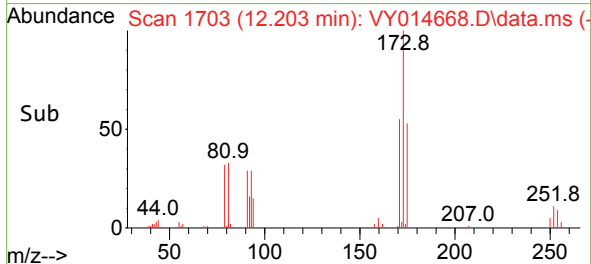
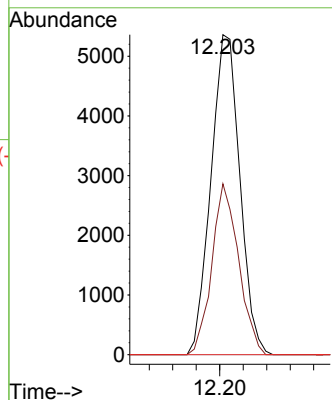
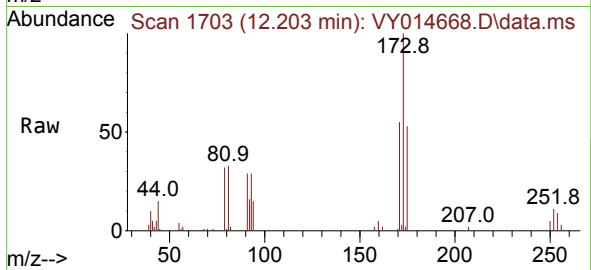
Tgt Ion:173 Resp: 9163

Ion Ratio Lower Upper

173 100

175 49.4 24.6 73.8

254 0.0 0.2 0.2#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

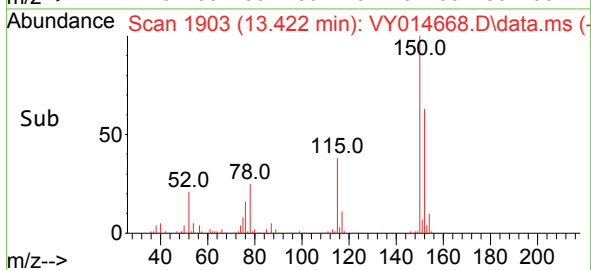
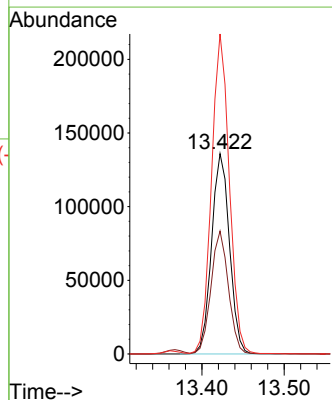
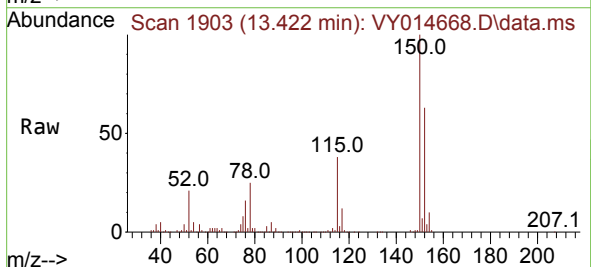
Tgt Ion:152 Resp: 205981

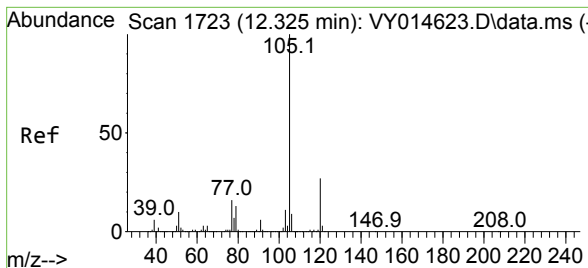
Ion Ratio Lower Upper

152 100

115 59.9 28.8 86.5

150 158.5 0.0 348.8





#73

Isopropylbenzene

Concen: 3.756 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

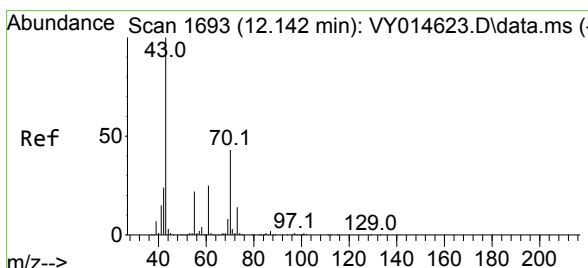
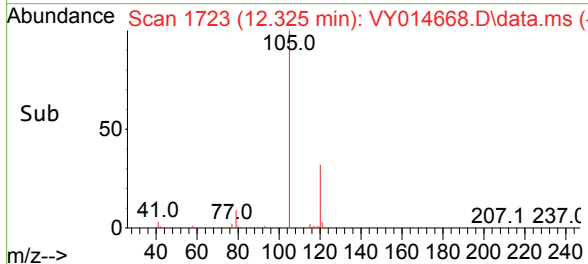
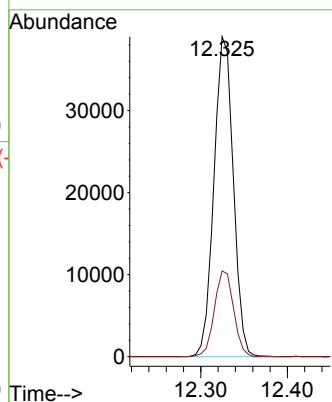
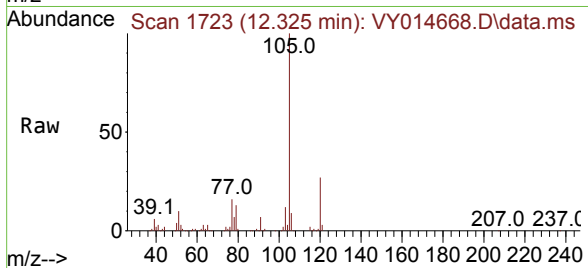
MDL-SOIL-03-QT3-2023

Tgt Ion:105 Resp: 60575

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9



#74

N-ethyl acetate

Concen: 3.651 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Tgt Ion: 43 Resp: 19719

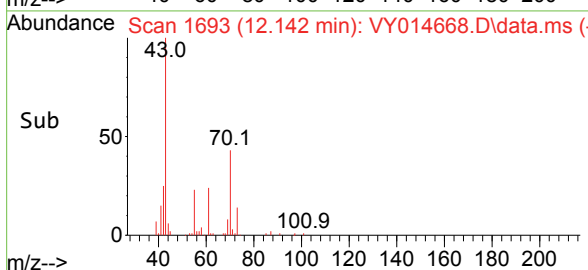
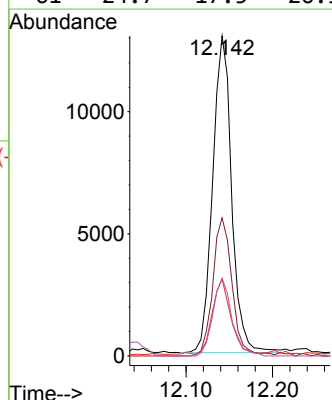
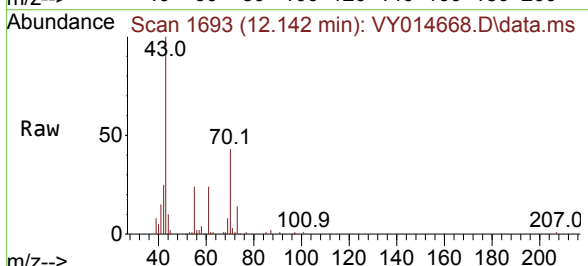
Ion Ratio Lower Upper

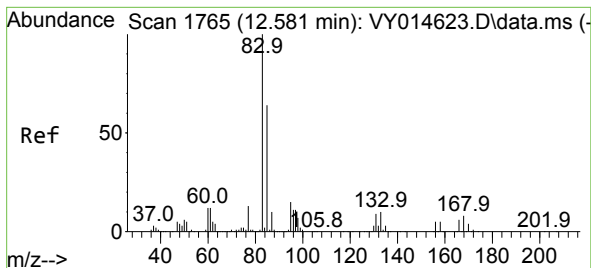
43 100

70 44.3 29.7 44.5

55 23.4 18.3 27.5

61 24.7 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 3.846 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

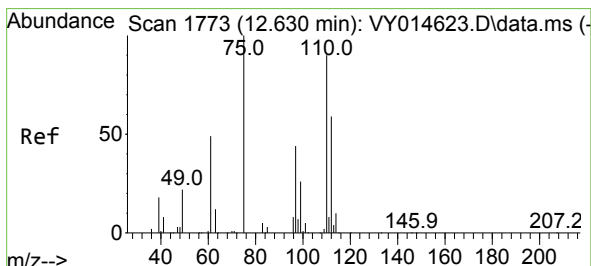
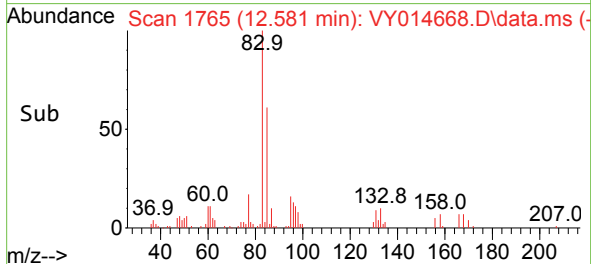
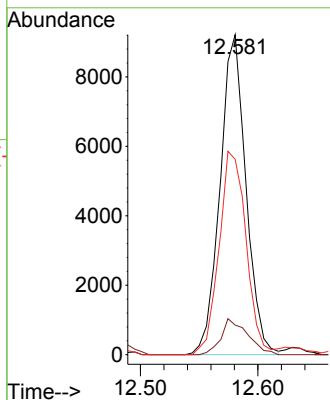
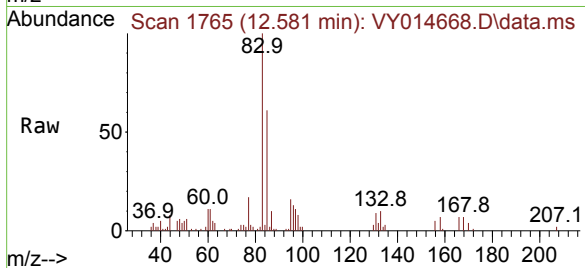
Tgt Ion: 83 Resp: 14147

Ion Ratio Lower Upper

83 100

131 11.5 5.4 16.2

85 66.5 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 7.516 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. -0.001 min

Lab File: VY014668.D

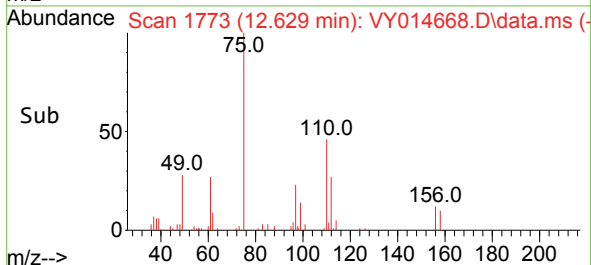
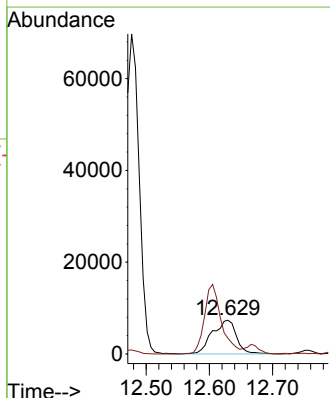
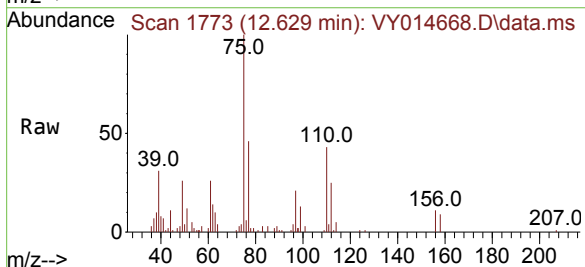
Acq: 17 Jul 2023 13:32

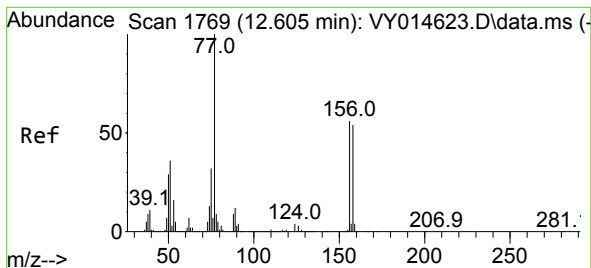
Tgt Ion: 75 Resp: 19552

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 3.807 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

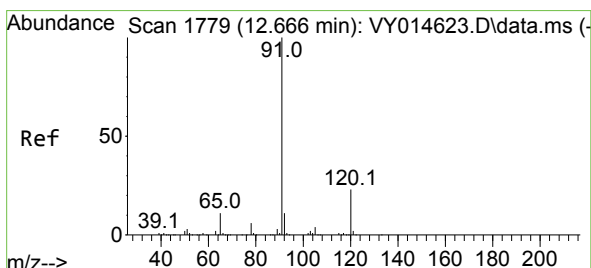
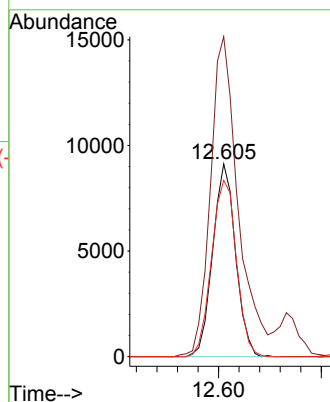
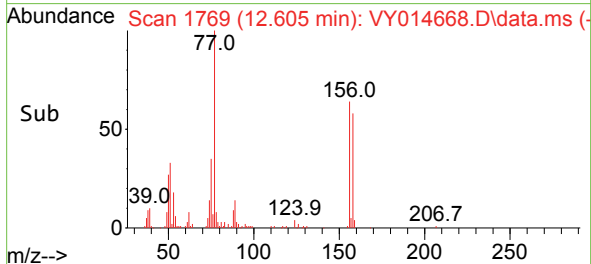
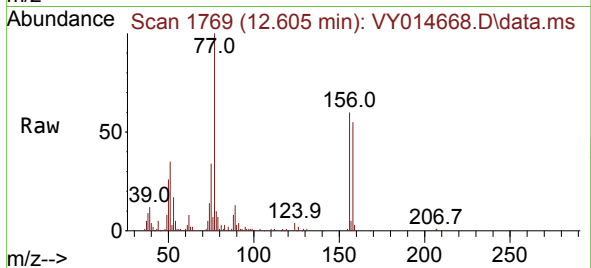
Tgt Ion:156 Resp: 14016

Ion Ratio Lower Upper

156 100

77 201.6 92.8 278.6

158 99.9 48.4 145.3



#78

n-propylbenzene

Concen: 3.672 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY014668.D

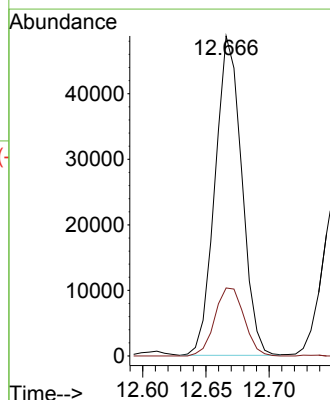
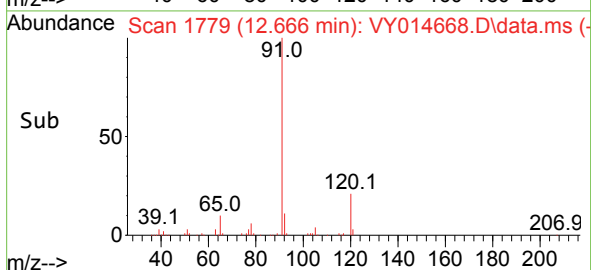
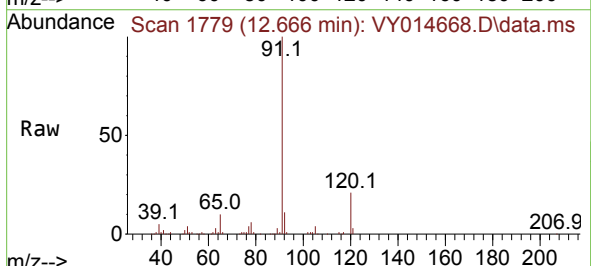
Acq: 17 Jul 2023 13:32

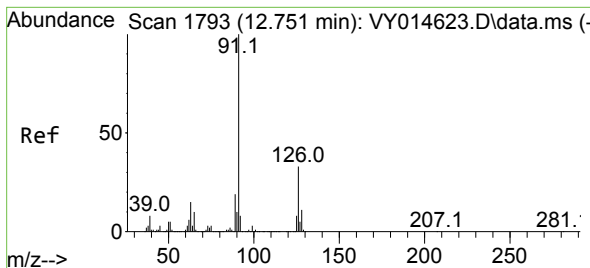
Tgt Ion: 91 Resp: 71369

Ion Ratio Lower Upper

91 100

120 23.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 3.622 ug/l

RT: 12.751 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

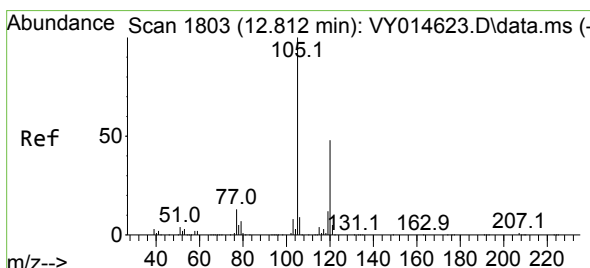
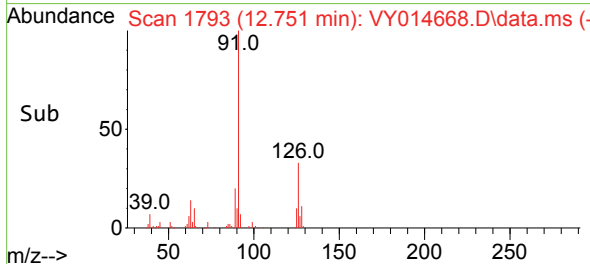
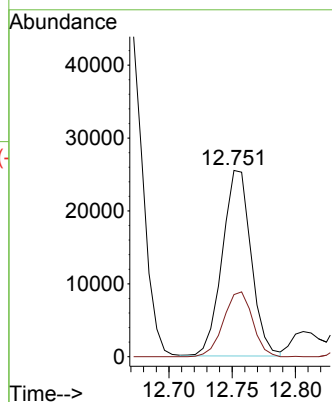
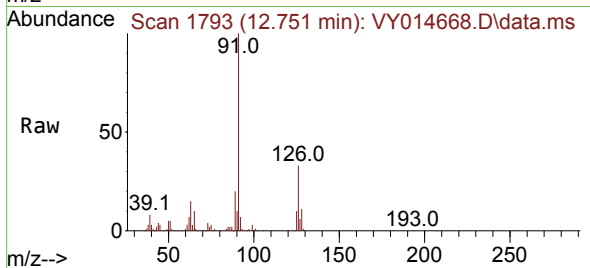
MDL-SOIL-03-QT3-2023

Tgt Ion: 91 Resp: 40542

Ion Ratio Lower Upper

91 100

126 35.0 17.3 51.7



#80

1,3,5-Trimethylbenzene

Concen: 3.818 ug/l

RT: 12.806 min Scan# 1802

Delta R.T. -0.006 min

Lab File: VY014668.D

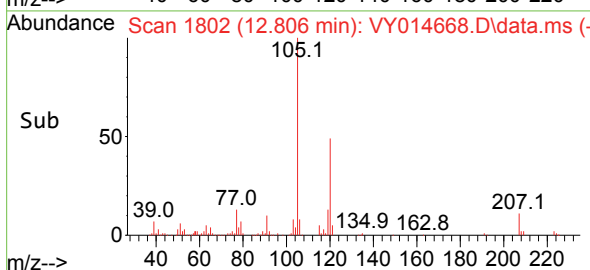
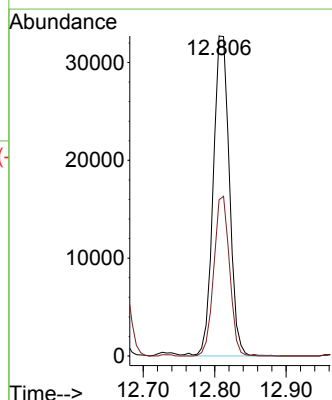
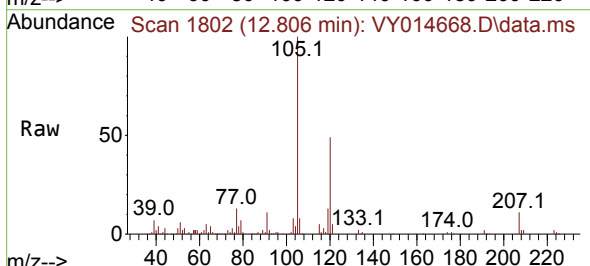
Acq: 17 Jul 2023 13:32

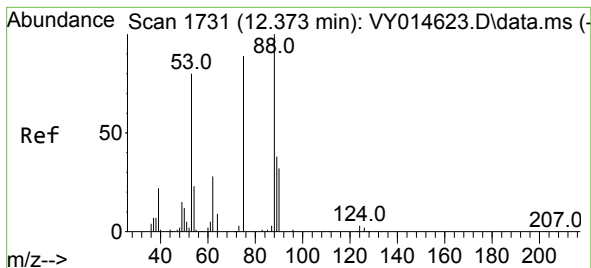
Tgt Ion: 105 Resp: 51427

Ion Ratio Lower Upper

105 100

120 48.5 23.9 71.7

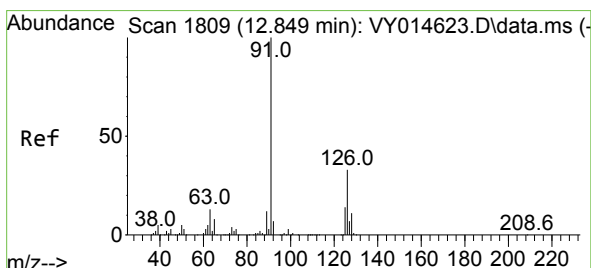
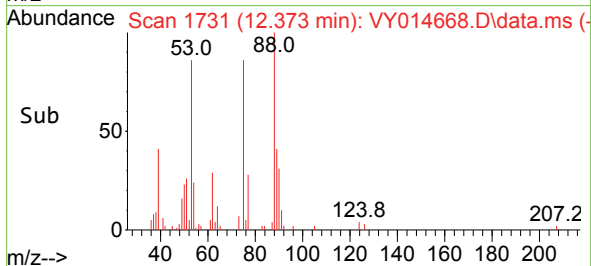
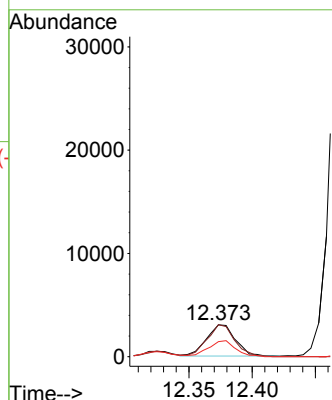
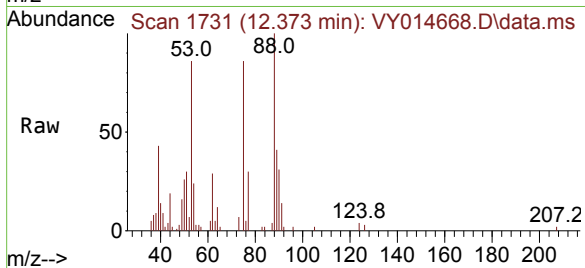




#81
trans-1,4-Dichloro-2-butene
Concen: 3.590 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

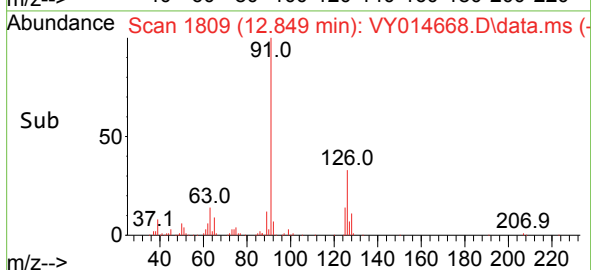
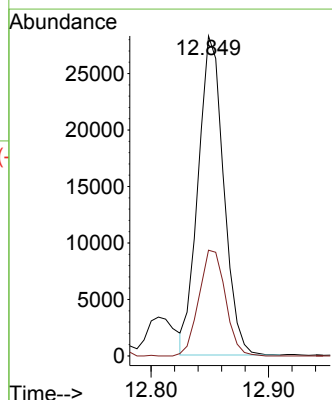
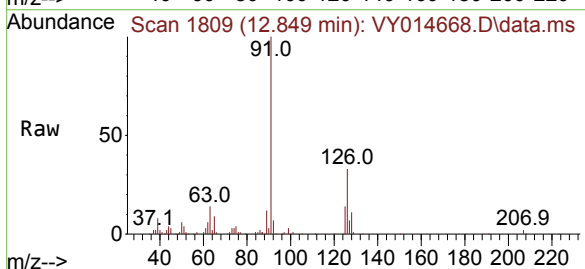
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT3-2023

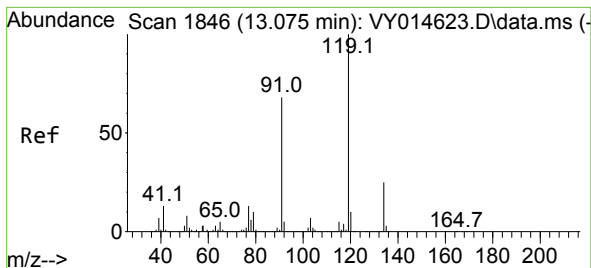
Tgt Ion	Ratio	Lower	Upper
75	100		
53	98.3	77.8	116.8
89	47.8	37.4	56.0



#82
4-Chlorotoluene
Concen: 3.701 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	17.2	51.6





#83

tert-Butylbenzene

Concen: 3.795 ug/l

RT: 13.068 min Scan# 1845

Delta R.T. -0.007 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

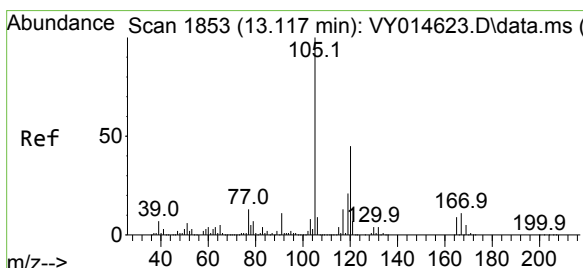
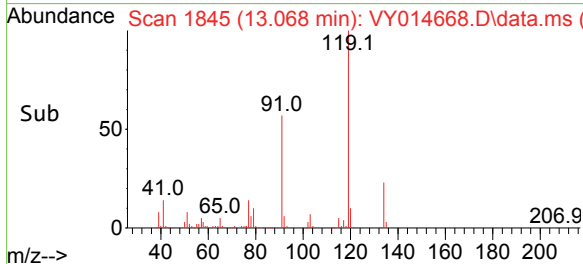
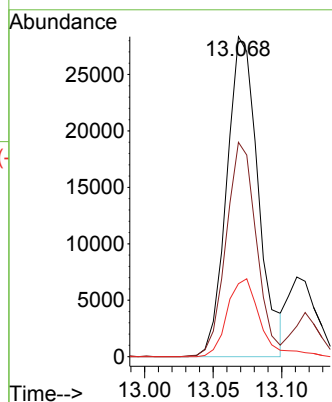
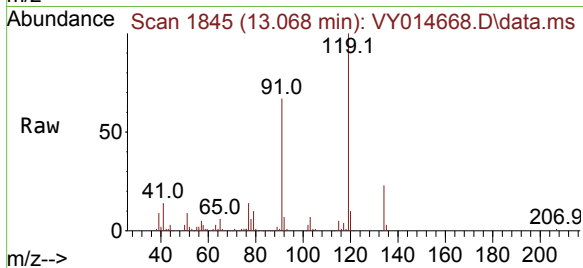
Tgt Ion:119 Resp: 45342

Ion Ratio Lower Upper

119 100

91 64.5 32.9 98.6

134 25.6 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 3.793 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY014668.D

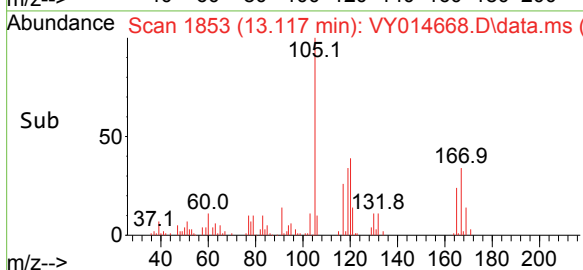
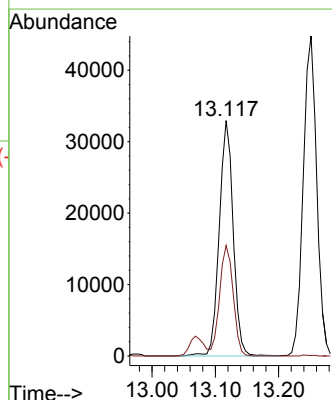
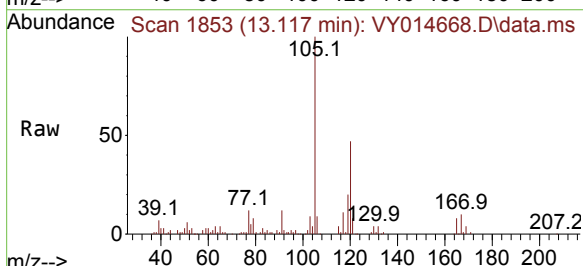
Acq: 17 Jul 2023 13:32

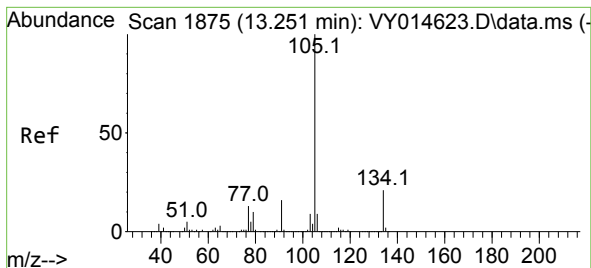
Tgt Ion:105 Resp: 50143

Ion Ratio Lower Upper

105 100

120 45.2 22.2 66.6





#85

sec-Butylbenzene

Concen: 3.753 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

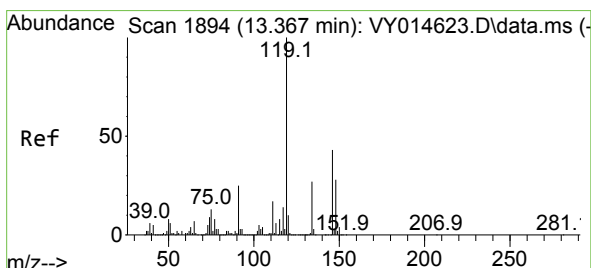
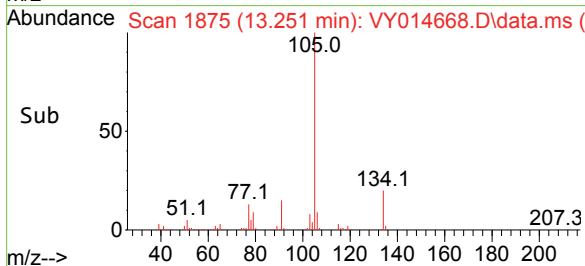
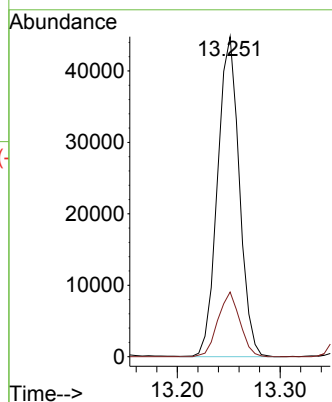
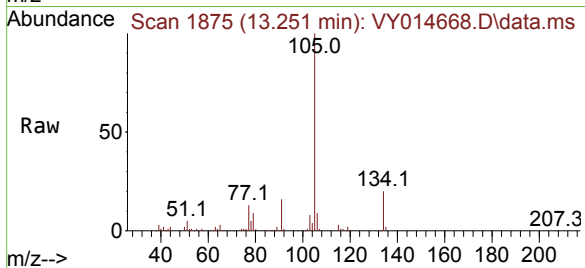
MDL-SOIL-03-QT3-2023

Tgt Ion:105 Resp: 65787

Ion Ratio Lower Upper

105 100

134 20.3 10.2 30.6



#86

p-Isopropyltoluene

Concen: 3.791 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

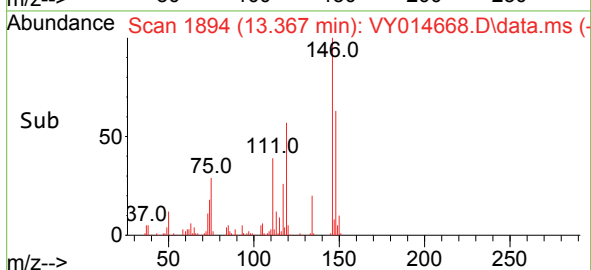
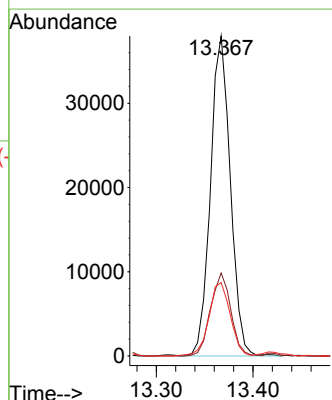
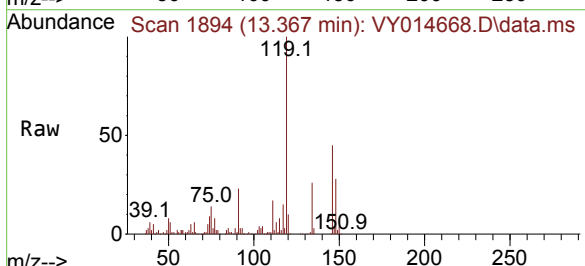
Tgt Ion:119 Resp: 54258

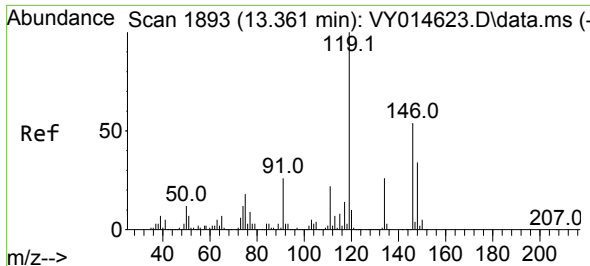
Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 24.6 12.4 37.4

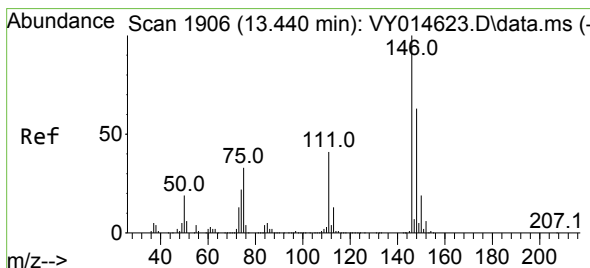
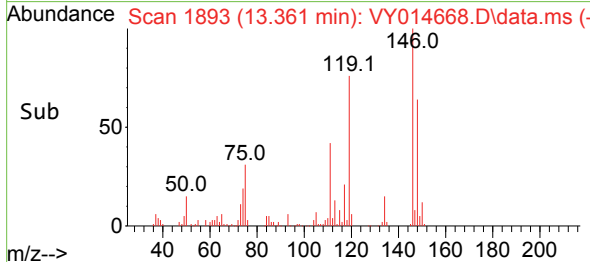
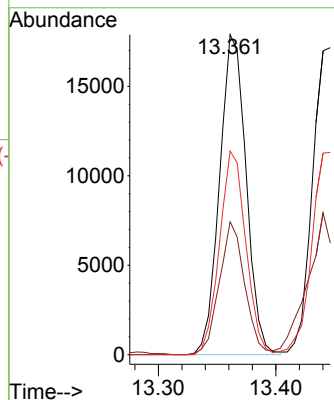
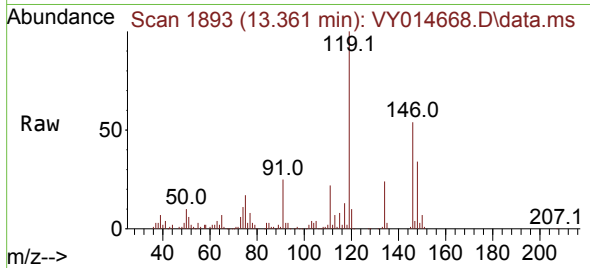




#87
1,3-Dichlorobenzene
Concen: 3.929 ug/l
RT: 13.361 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

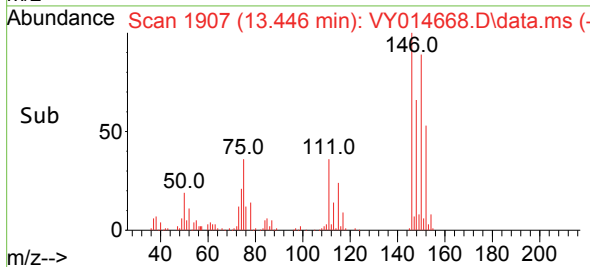
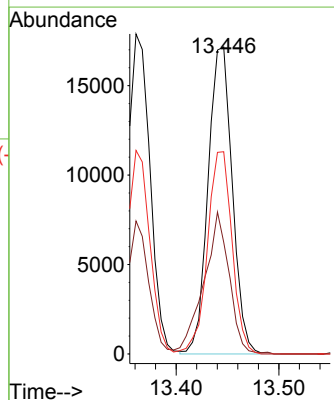
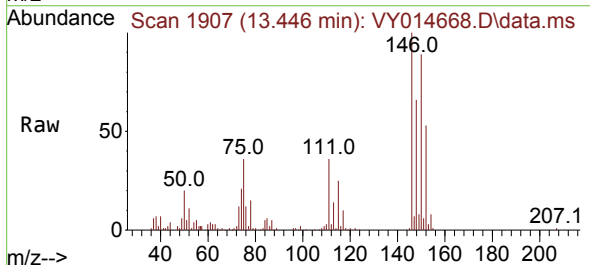
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

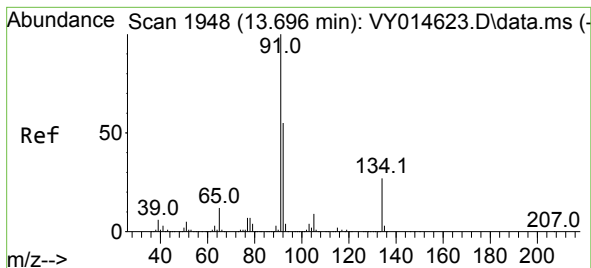
Tgt Ion:146 Resp: 28150
Ion Ratio Lower Upper
146 100
111 39.8 19.4 58.2
148 63.0 31.9 95.5



#88
1,4-Dichlorobenzene
Concen: 3.912 ug/l
RT: 13.446 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion:146 Resp: 28086
Ion Ratio Lower Upper
146 100
111 48.5 18.9 56.7
148 67.1 32.1 96.5





#89

n-Butylbenzene

Concen: 3.616 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

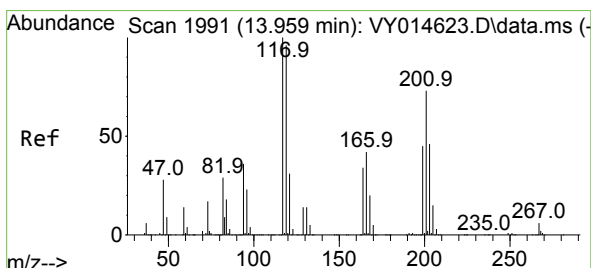
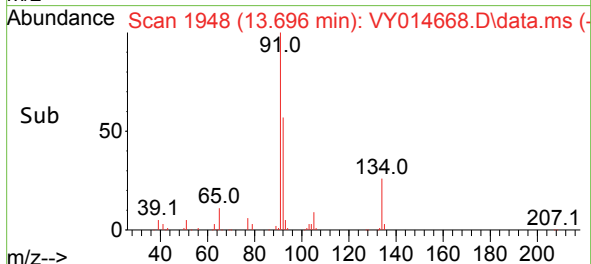
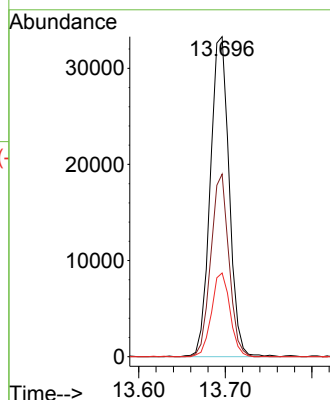
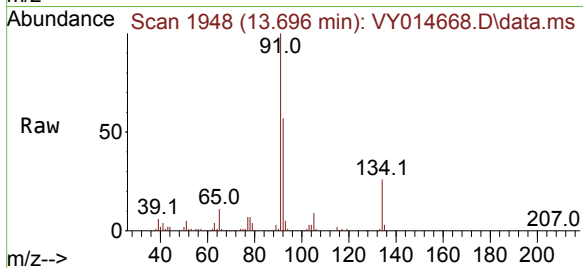
Tgt Ion: 91 Resp: 50350

Ion Ratio Lower Upper

91 100

92 54.7 25.4 76.0

134 25.6 12.6 37.6



#90

Hexachloroethane

Concen: 3.748 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. -0.001 min

Lab File: VY014668.D

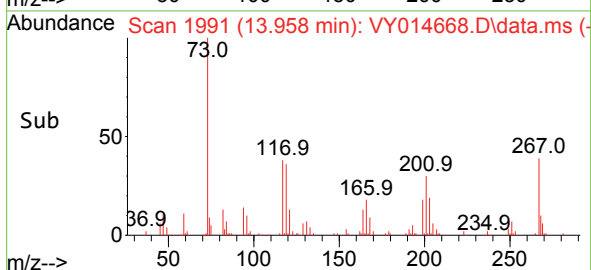
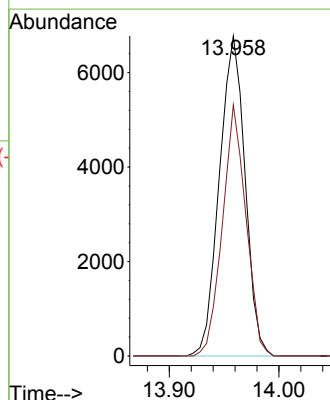
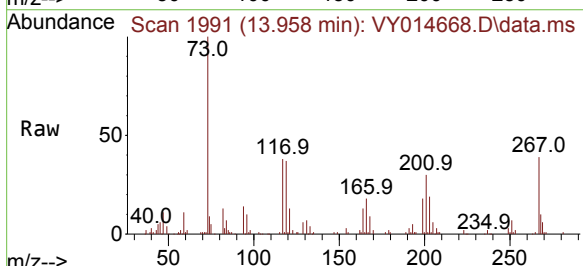
Acq: 17 Jul 2023 13:32

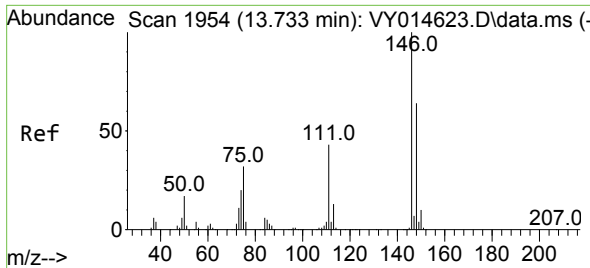
Tgt Ion: 117 Resp: 11017

Ion Ratio Lower Upper

117 100

201 72.0 41.6 124.8

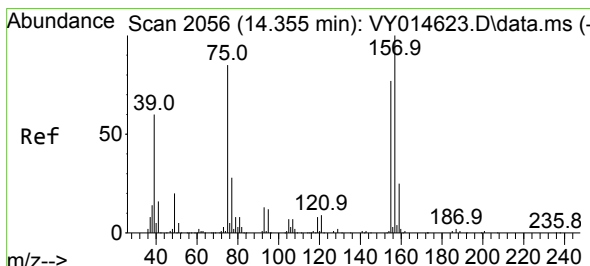
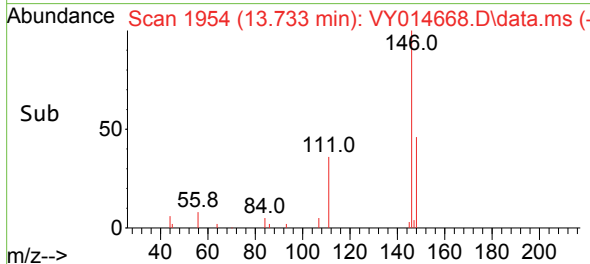
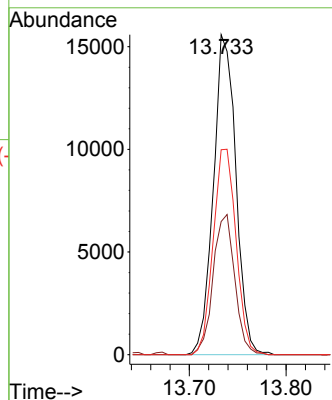
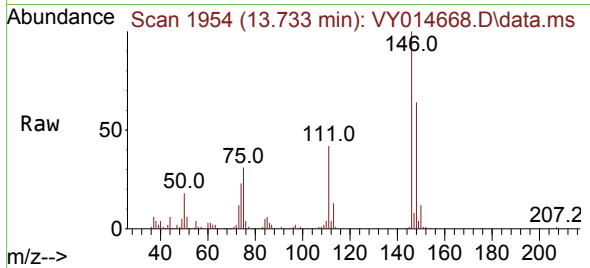




#91
1,2-Dichlorobenzene
Concen: 3.838 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

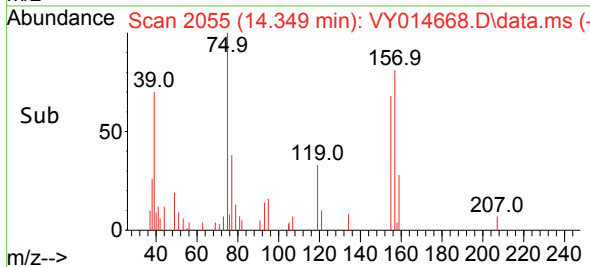
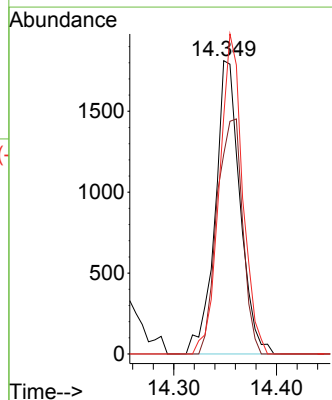
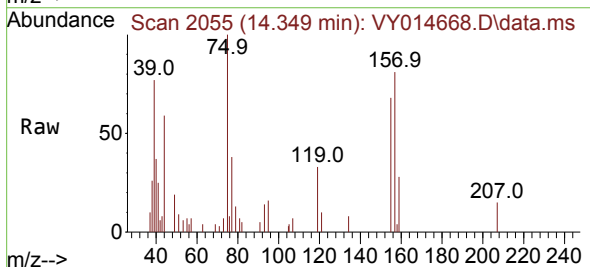
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT3-2023

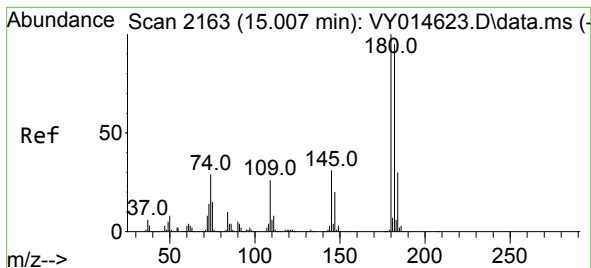
Tgt Ion:	146	Resp:	25195
Ion	Ratio	Lower	Upper
146	100		
111	42.1	19.7	59.0
148	65.2	32.0	96.2



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.343 ug/l
RT: 14.349 min Scan# 2055
Delta R.T. -0.006 min
Lab File: VY014668.D
Acq: 17 Jul 2023 13:32

Tgt Ion:	75	Resp:	3055
Ion	Ratio	Lower	Upper
75	100		
155	82.3	41.5	124.6
157	101.3	51.8	155.5





#93

1,2,4-Trichlorobenzene

Concen: 3.837 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

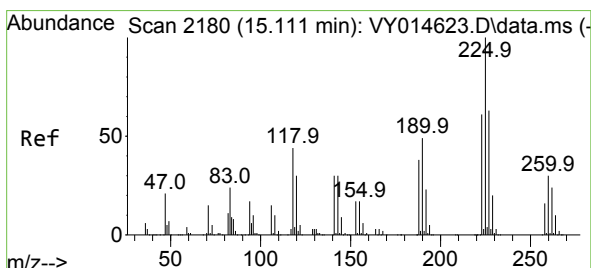
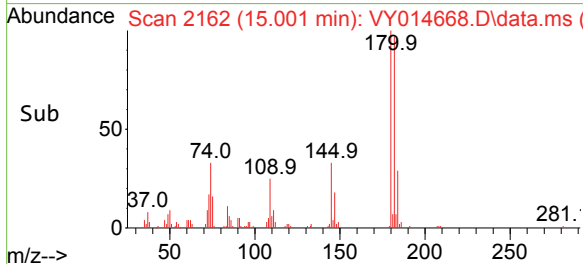
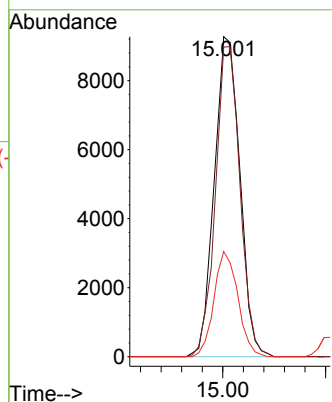
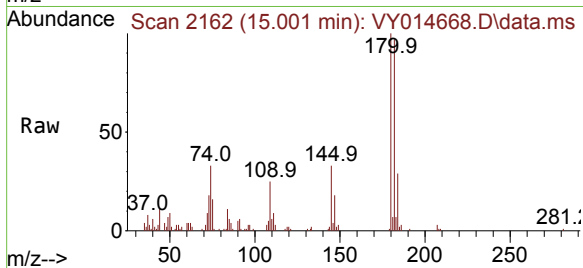
Tgt Ion:180 Resp: 15988

Ion Ratio Lower Upper

180 100

182 93.3 47.0 141.2

145 30.8 14.5 43.5



#94

Hexachlorobutadiene

Concen: 3.905 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

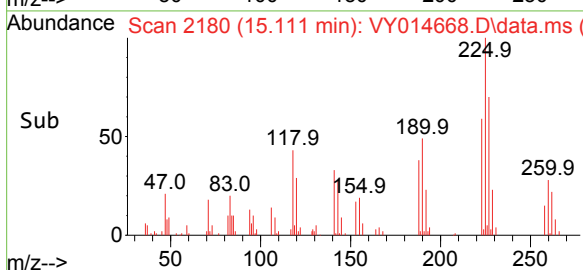
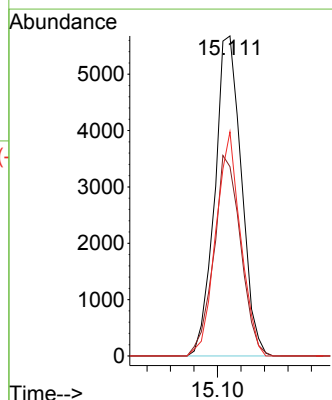
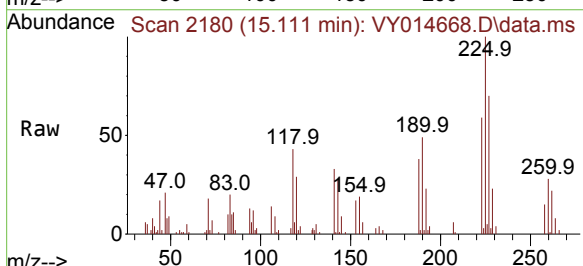
Tgt Ion:225 Resp: 8943

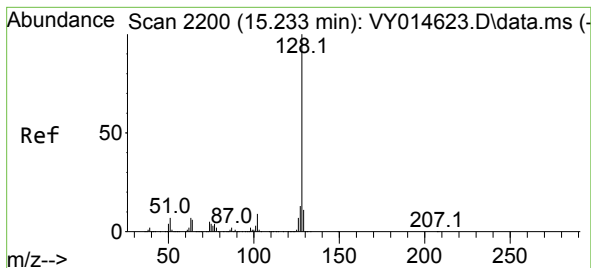
Ion Ratio Lower Upper

225 100

223 63.4 31.9 95.9

227 65.3 33.0 98.9





#95

Naphthalene

Concen: 3.949 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT3-2023

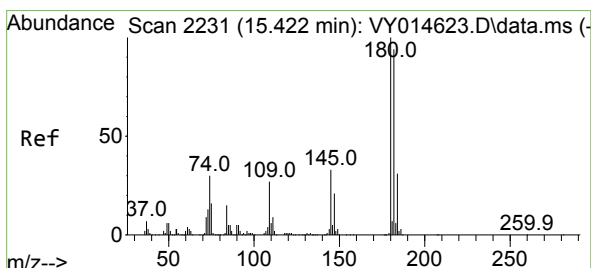
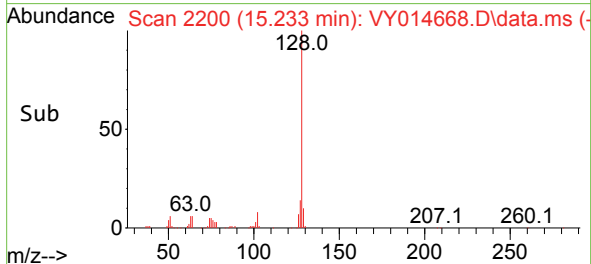
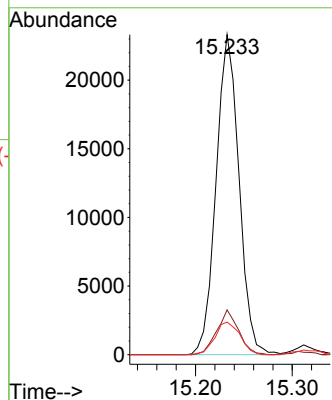
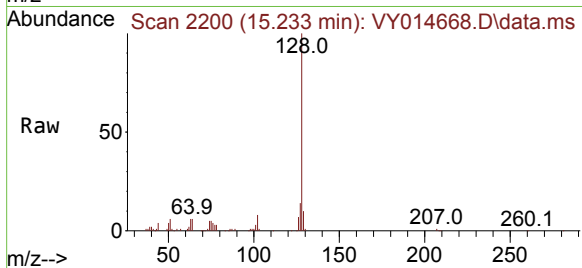
Tgt Ion:128 Resp: 38341

Ion Ratio Lower Upper

128 100

127 13.3 10.8 16.2

129 11.2 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 3.828 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY014668.D

Acq: 17 Jul 2023 13:32

Tgt Ion:180 Resp: 14178

Ion Ratio Lower Upper

180 100

182 96.5 47.3 141.8

145 34.6 15.4 46.2

