

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041423\
 Data File : VY013315.D
 Acq On : 14 Apr 2023 13:46
 Operator : KP/MD
 Sample : 02213-03 4.0PPB
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

Quant Time: Apr 17 02:10:29 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y041223S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 05:55:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	269080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	425321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.483	117	381114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	190989	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	161481	49.937	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.880%
35) Dibromofluoromethane	7.710	113	145965	53.011	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.020%
50) Toluene-d8	10.173	98	522569	50.987	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.980%
62) 4-Bromofluorobenzene	12.477	95	170340	51.153	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	102.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	10789	4.455	ug/l	98
3) Chloromethane	2.107	50	12364	4.075	ug/l	98
4) Vinyl Chloride	2.241	62	10738	3.733	ug/l	99
5) Bromomethane	2.643	94	8178	3.707	ug/l	81
6) Chloroethane	2.784	64	7301	3.764	ug/l	99
7) Trichlorofluoromethane	3.125	101	20514	4.582	ug/l	98
8) Diethyl Ether	3.527	74	6759	4.155	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.899	101	11404	4.335	ug/l	97
10) Methyl Iodide	4.076	142	12754	3.952	ug/l	96
11) Tert butyl alcohol	4.911	59	14426	Below Cal	#	74
12) 1,1-Dichloroethene	3.863	96	11323	4.472	ug/l	88
13) Acrolein	3.729	56	7598	19.127	ug/l	95
14) Allyl chloride	4.479	41	19737	4.081	ug/l	97
15) Acrylonitrile	5.161	53	17454	18.673	ug/l	96
16) Acetone	3.954	43	21902	19.699	ug/l	# 83
17) Carbon Disulfide	4.180	76	34322	4.117	ug/l	99
18) Methyl Acetate	4.472	43	14051	3.907	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	28964	3.819	ug/l	98
20) Methylene Chloride	4.710	84	24711	4.529	ug/l	96
21) trans-1,2-Dichloroethene	5.216	96	12386	4.285	ug/l	98
22) Diisopropyl ether	6.106	45	34866	3.658	ug/l	# 77
23) Vinyl Acetate	6.058	43	105869	17.569	ug/l	98
24) 1,1-Dichloroethane	6.015	63	22201	4.169	ug/l	99
25) 2-Butanone	6.978	43	27422	19.262	ug/l	93
26) 2,2-Dichloropropane	6.972	77	21330	4.465	ug/l	98
27) cis-1,2-Dichloroethene	6.978	96	12932	4.115	ug/l	92
28) Bromochloromethane	7.332	49	7443	3.507	ug/l	91
29) Tetrahydrofuran	7.350	42	15876	18.362	ug/l	99
30) Chloroform	7.502	83	21938	4.071	ug/l	97
31) Cyclohexane	7.777	56	22811	4.665	ug/l	# 77
32) 1,1,1-Trichloroethane	7.697	97	20252	4.155	ug/l	96
36) 1,1-Dichloropropene	7.911	75	15776	3.782	ug/l	97
37) Ethyl Acetate	7.069	43	11805	3.511	ug/l	97
38) Carbon Tetrachloride	7.893	117	18610	4.035	ug/l	98
39) Methylcyclohexane	9.173	83	18246	3.763	ug/l	96
40) Benzene	8.155	78	48496	4.017	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.338	41	15672	11.234	ug/l #	100
42) 1,2-Dichloroethane	8.228	62	16313	3.985	ug/l	99
43) Isopropyl Acetate	8.264	43	19791	3.544	ug/l	99
44) Trichloroethene	8.935	130	13640	4.386	ug/l	98
45) 1,2-Dichloropropane	9.209	63	12777	4.077	ug/l	96
46) Dibromomethane	9.301	93	7747	4.108	ug/l	97
47) Bromodichloromethane	9.490	83	17611	4.085	ug/l #	82
48) Methyl methacrylate	9.289	41	8179	3.188	ug/l	91
49) 1,4-Dioxane	9.319	88	1562	61.130	ug/l #	23
51) 4-Methyl-2-Pentanone	10.069	43	52998	17.436	ug/l	100
52) Toluene	10.240	92	29704	4.075	ug/l	99
53) t-1,3-Dichloropropene	10.459	75	17958	3.977	ug/l	95
54) cis-1,3-Dichloropropene	9.923	75	19715	3.982	ug/l	96
55) 1,1,2-Trichloroethane	10.636	97	10789	4.339	ug/l	98
56) Ethyl methacrylate	10.508	69	12553	3.687	ug/l	98
57) 1,3-Dichloropropane	10.788	76	17786	4.205	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.776	63	26764	18.826	ug/l	98
59) 2-Hexanone	10.831	43	36580	16.551	ug/l	97
60) Dibromochloromethane	10.983	129	12400	3.977	ug/l	93
61) 1,2-Dibromoethane	11.081	107	10357	4.277	ug/l	98
64) Tetrachloroethene	10.715	164	11724	4.360	ug/l	96
65) Chlorobenzene	11.514	112	32876	4.124	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.581	131	12210	4.081	ug/l	95
67) Ethyl Benzene	11.587	91	53680	3.866	ug/l	96
68) m/p-Xylenes	11.697	106	40306	7.587	ug/l	98
69) o-Xylene	12.026	106	18557	3.771	ug/l	99
70) Styrene	12.038	104	30239	3.639	ug/l	97
71) Bromoform	12.203	173	8381	4.044	ug/l #	99
73) Isopropylbenzene	12.325	105	47760	3.646	ug/l	99
74) N-amyl acetate	12.142	43	15839	3.389	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.581	83	13100	4.048	ug/l	95
76) 1,2,3-Trichloropropane	12.629	75	16676	7.007	ug/l #	100
77) Bromobenzene	12.605	156	13373	4.082	ug/l	99
78) n-propylbenzene	12.666	91	61635	3.809	ug/l	99
79) 2-Chlorotoluene	12.751	91	35845	3.936	ug/l	100
80) 1,3,5-Trimethylbenzene	12.806	105	40180	3.662	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	4437	3.870	ug/l	96
82) 4-Chlorotoluene	12.849	91	36368	3.788	ug/l	98
83) tert-Butylbenzene	13.068	119	35029	3.720	ug/l	100
84) 1,2,4-Trimethylbenzene	13.117	105	38728	3.626	ug/l	97
85) sec-Butylbenzene	13.251	105	53634	3.809	ug/l	99
86) p-Isopropyltoluene	13.367	119	43052	3.726	ug/l	97
87) 1,3-Dichlorobenzene	13.367	146	27012	4.277	ug/l	99
88) 1,4-Dichlorobenzene	13.440	146	27790	4.355	ug/l	94
89) n-Butylbenzene	13.690	91	41806	3.783	ug/l	98
90) Hexachloroethane	13.952	117	10306	4.278	ug/l	99
91) 1,2-Dichlorobenzene	13.733	146	24354	4.238	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.349	75	2363	4.021	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	14058	4.116	ug/l	97
94) Hexachlorobutadiene	15.105	225	9436	4.666	ug/l	98
95) Naphthalene	15.233	128	27100	6.233	ug/l	99
96) 1,2,3-Trichlorobenzene	15.416	180	12588	4.045	ug/l	99

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ClientSampleId :
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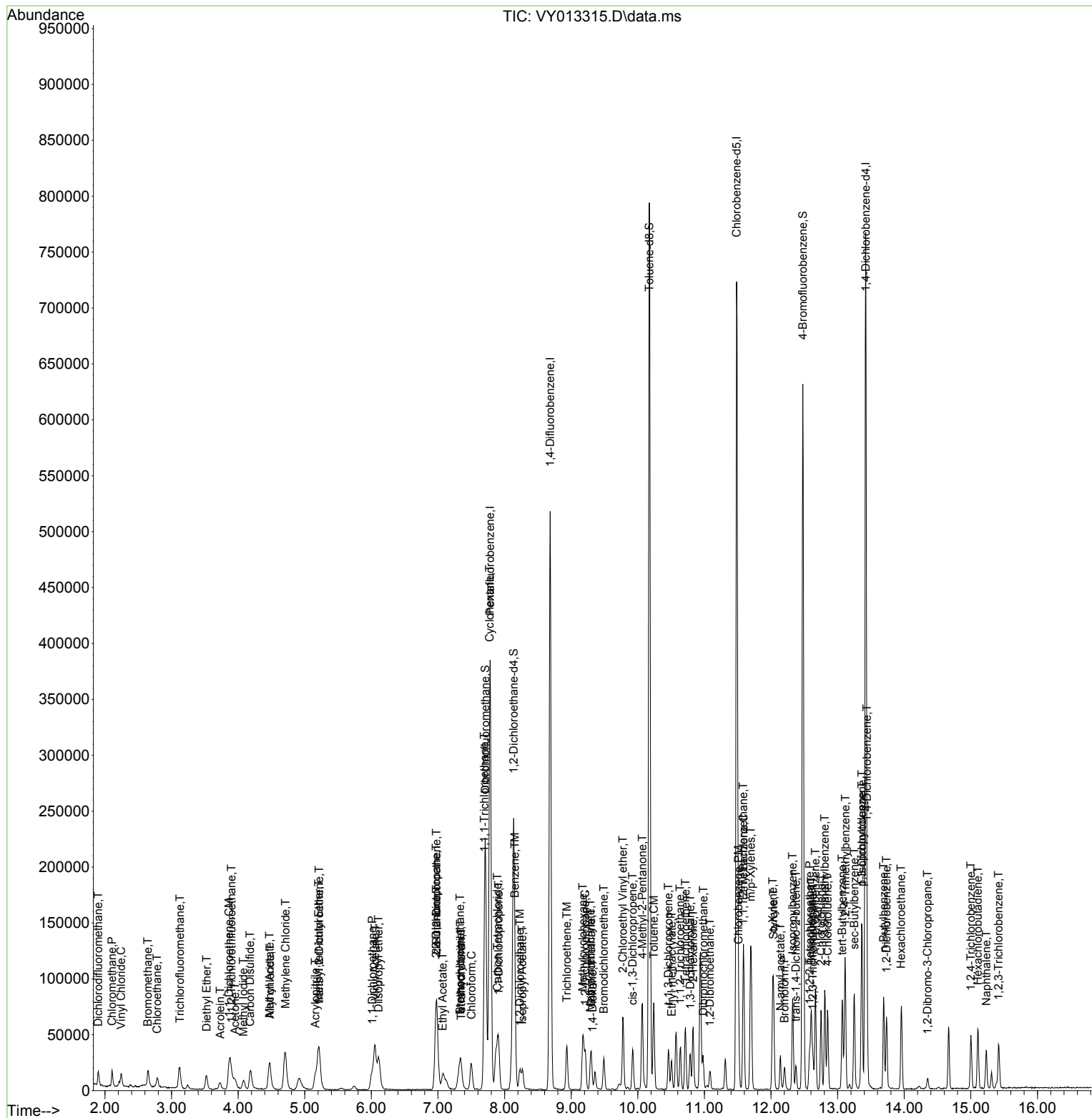
Quant Time: Apr 17 02:10:29 2023
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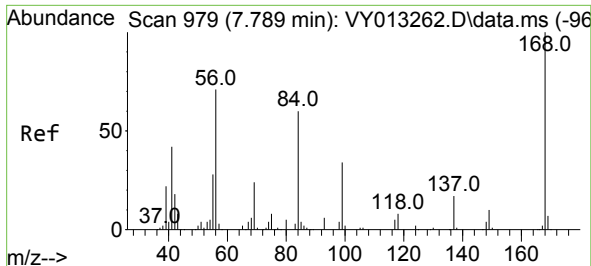
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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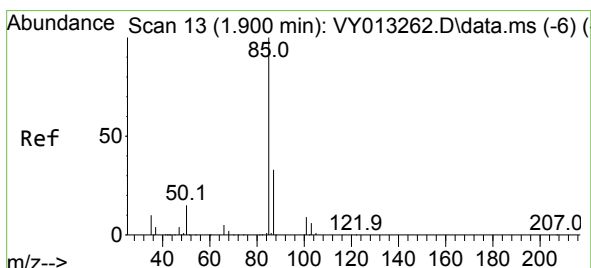
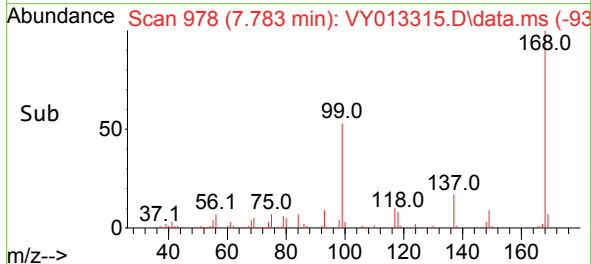
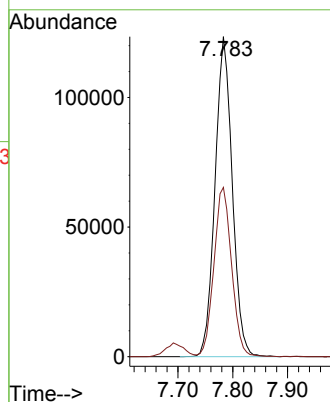
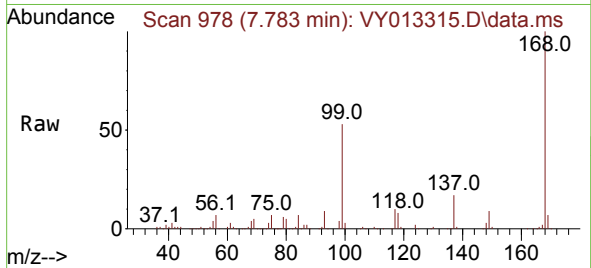




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
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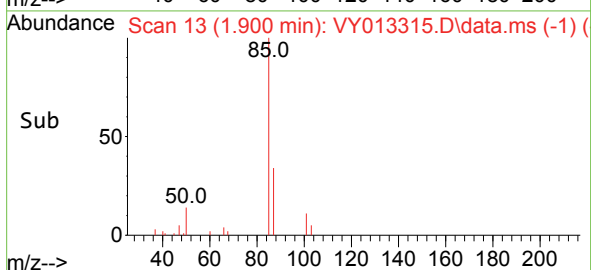
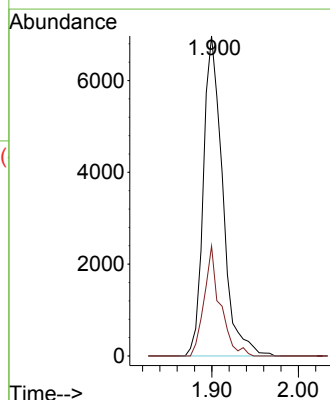
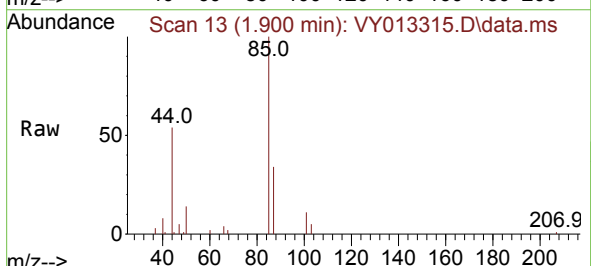
Instrument :
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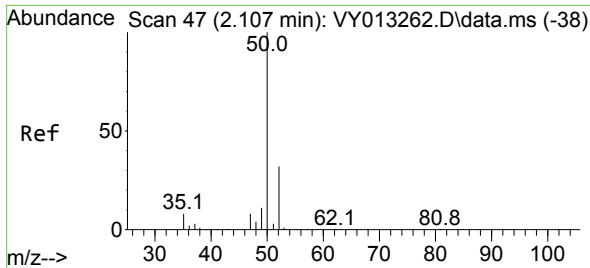
Tgt Ion:168 Resp: 269080
Ion Ratio Lower Upper
168 100
99 52.9 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 4.455 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 85 Resp: 10789
Ion Ratio Lower Upper
85 100
87 34.3 16.7 50.0

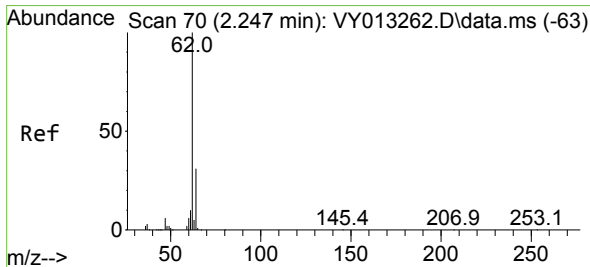
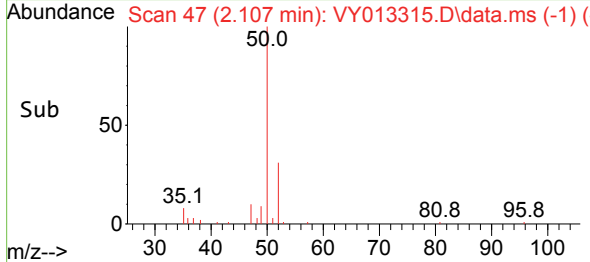
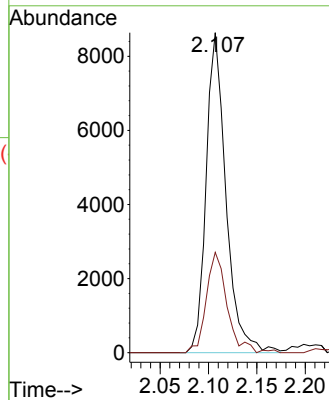
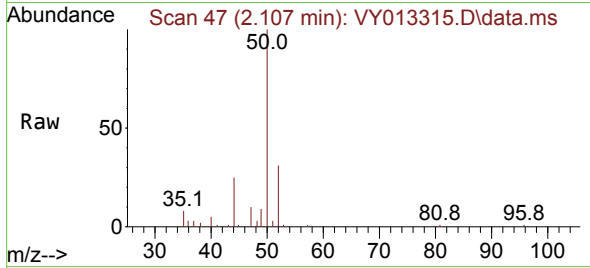




#3
Chloromethane
Concen: 4.075 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

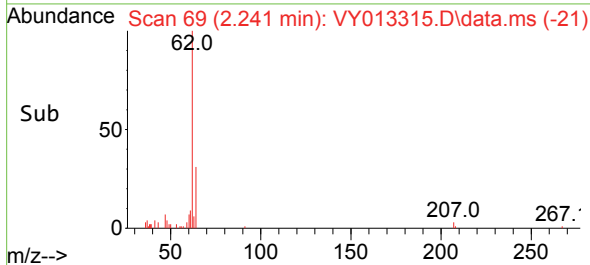
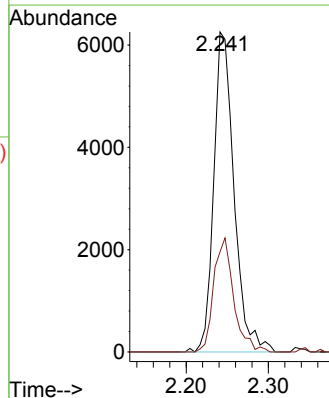
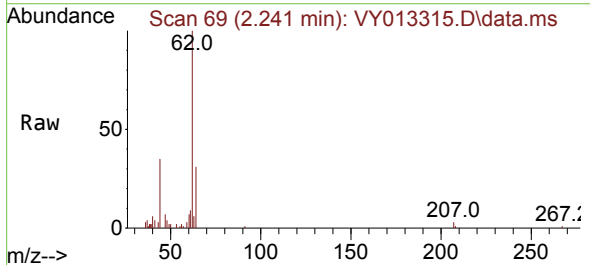
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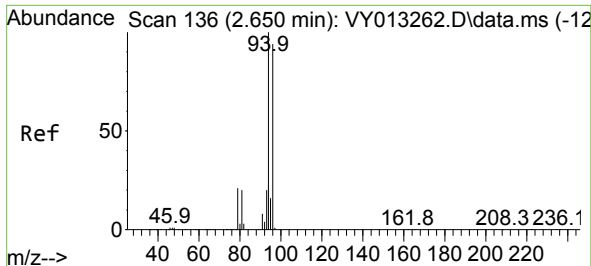
Tgt Ion: 50 Resp: 12364
Ion Ratio Lower Upper
50 100
52 31.4 26.0 39.0



#4
Vinyl Chloride
Concen: 3.733 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 62 Resp: 10738
Ion Ratio Lower Upper
62 100
64 31.3 25.6 38.4

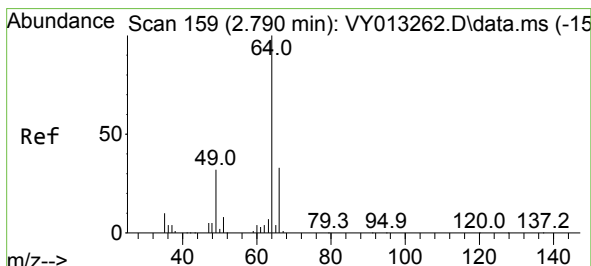
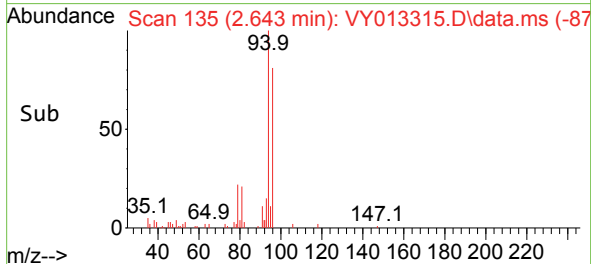
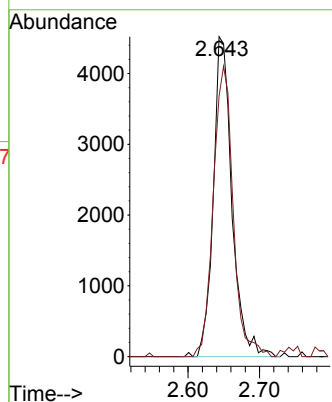
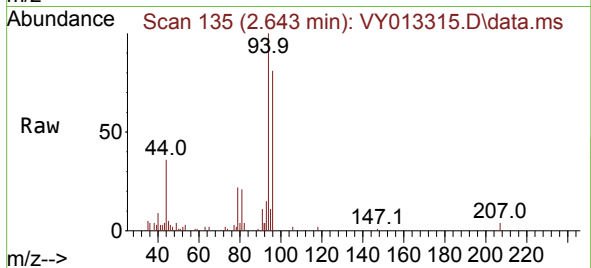




#5
Bromomethane
Concen: 3.707 ug/l
RT: 2.643 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

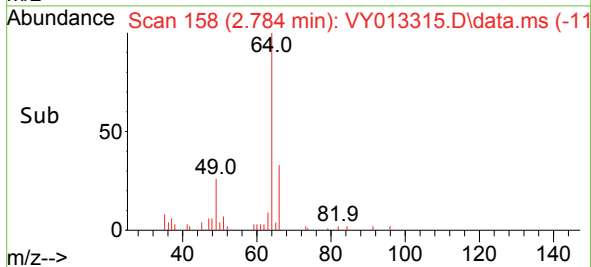
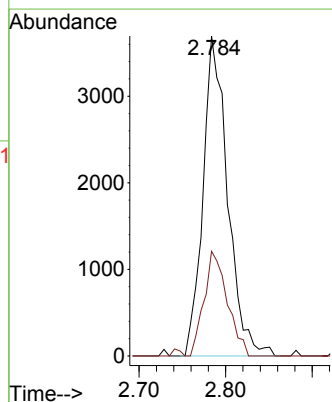
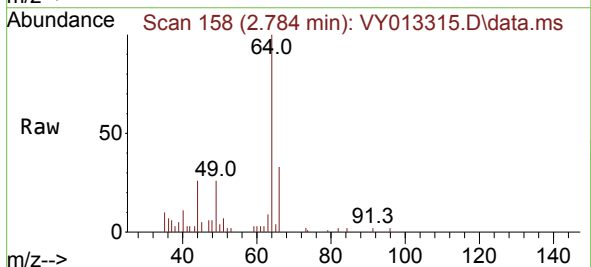
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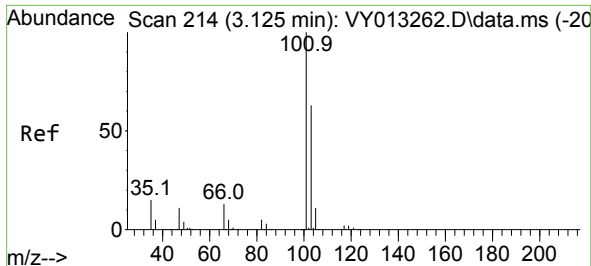
Tgt Ion: 94 Resp: 8178
Ion Ratio Lower Upper
94 100
96 81.4 80.3 120.5



#6
Chloroethane
Concen: 3.764 ug/l
RT: 2.784 min Scan# 158
Delta R.T. -0.006 min
Lab File: VY013315.D
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Tgt Ion: 64 Resp: 7301
Ion Ratio Lower Upper
64 100
66 32.7 25.7 38.5

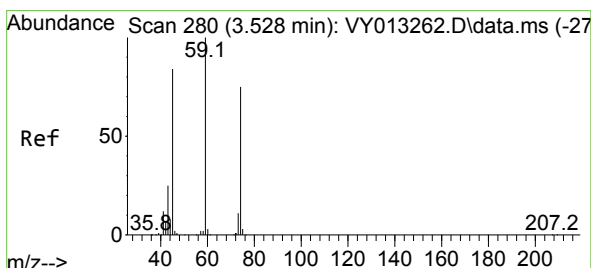
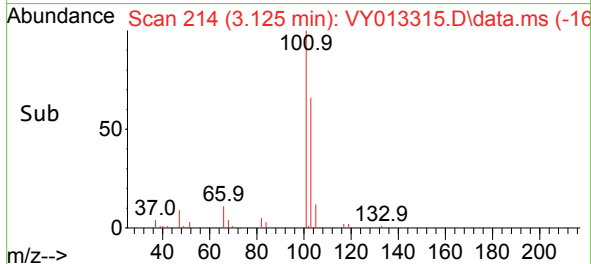
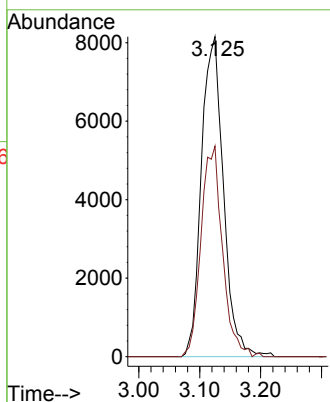
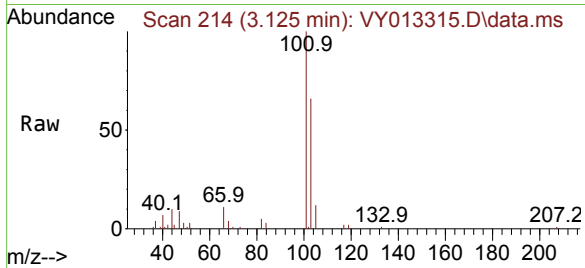




#7
 Trichlorofluoromethane
 Concen: 4.582 ug/l
 RT: 3.125 min Scan# 214
 Delta R.T. -0.000 min
 Lab File: VY013315.D
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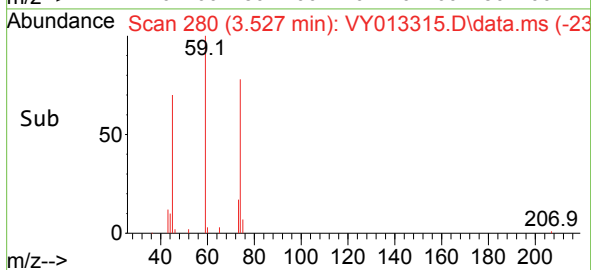
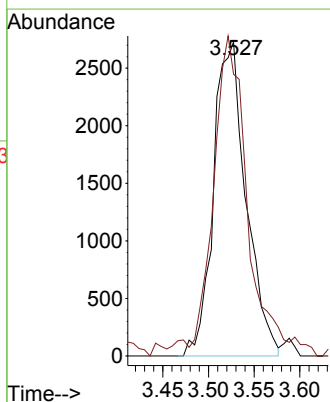
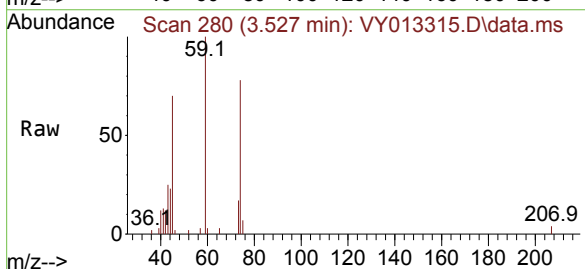
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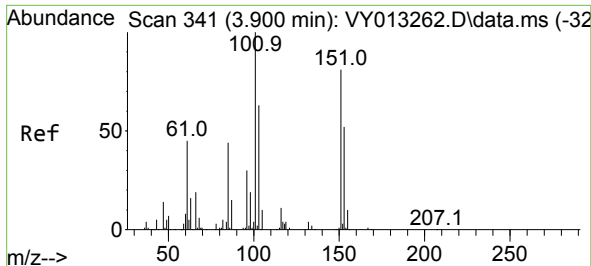
Tgt Ion:101 Resp: 20514
 Ion Ratio Lower Upper
 101 100
 103 65.8 51.5 77.3



#8
 Diethyl Ether
 Concen: 4.155 ug/l
 RT: 3.527 min Scan# 280
 Delta R.T. -0.000 min
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Tgt Ion: 74 Resp: 6759
 Ion Ratio Lower Upper
 74 100
 45 108.8 52.1 156.4

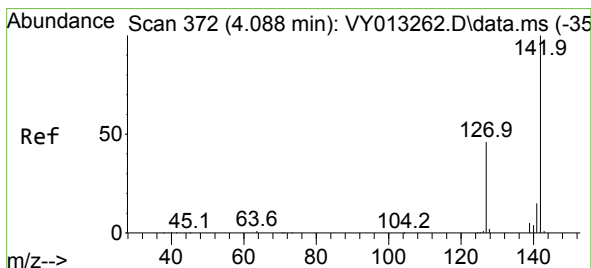
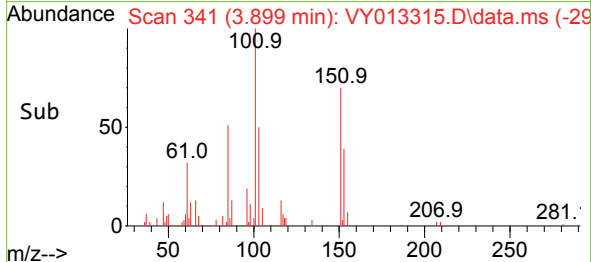
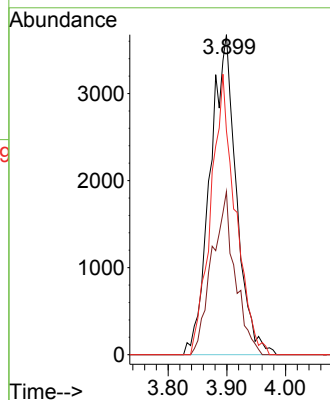
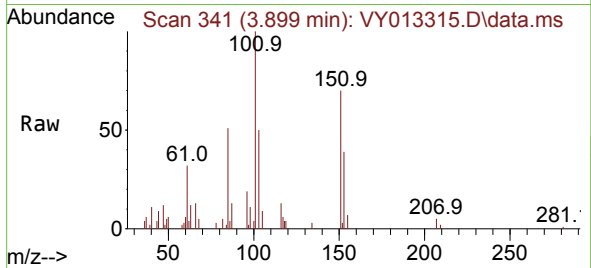




#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.335 ug/l
RT: 3.899 min Scan# 341
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

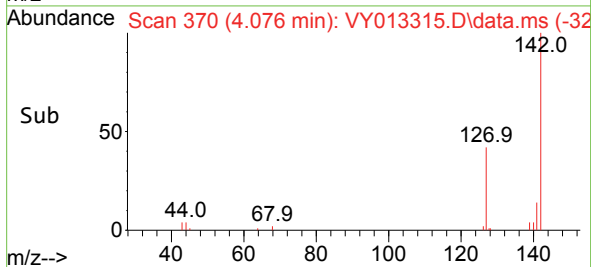
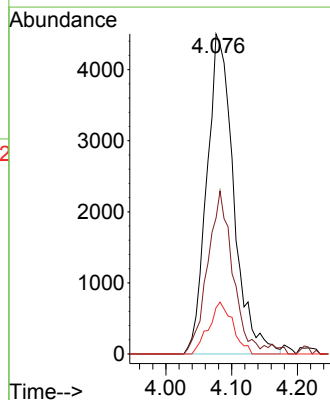
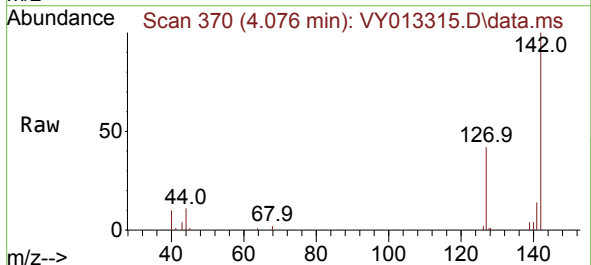
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

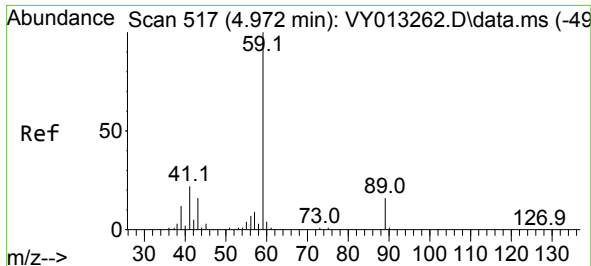
Tgt Ion:101	Resp:	11404
Ion	Ratio	Lower Upper
101	100	
85	45.1	35.3 52.9
151	82.1	63.1 94.7



#10
Methyl Iodide
Concen: 3.952 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.012 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion:142	Resp:	12754
Ion	Ratio	Lower Upper
142	100	
127	47.5	35.4 53.2
141	14.5	11.3 16.9

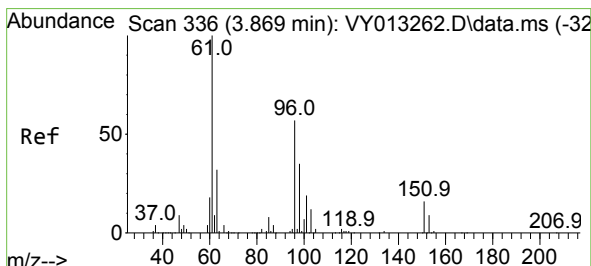
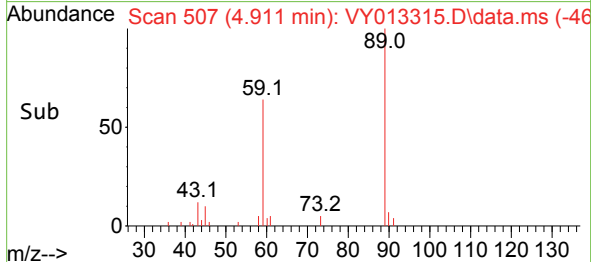
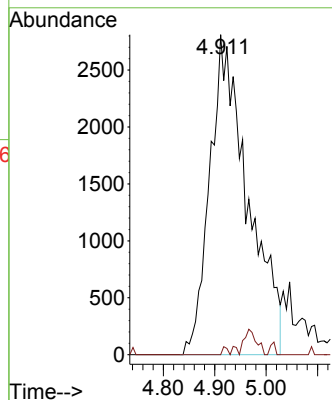
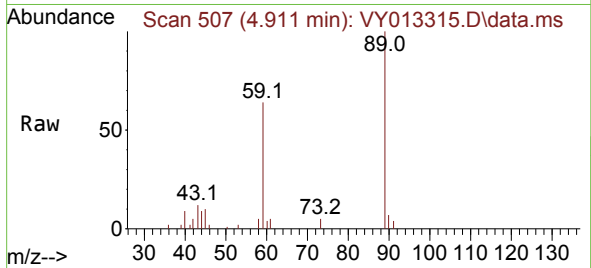




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 50
Delta R.T. -0.061 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

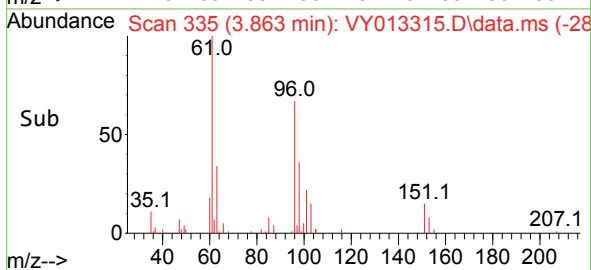
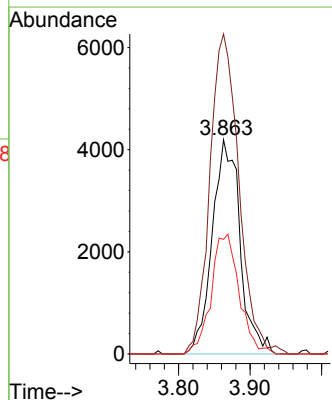
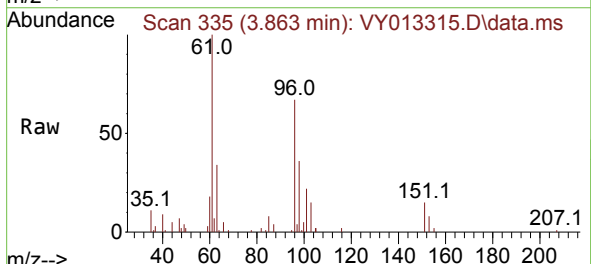
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

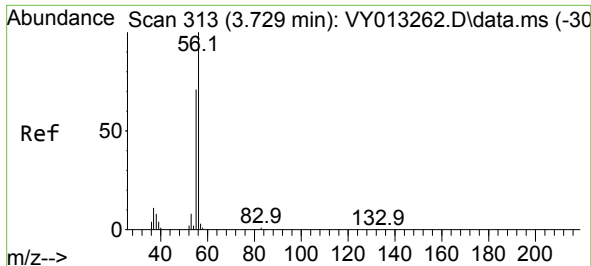
Tgt Ion: 59 Resp: 14426
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



#12
1,1-Dichloroethene
Concen: 4.472 ug/l
RT: 3.863 min Scan# 335
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 96 Resp: 11323
Ion Ratio Lower Upper
96 100
61 149.4 131.7 197.5
98 53.5 52.0 78.0





#13

Acrolein

Concen: 19.127 ug/l

RT: 3.729 min Scan# 313

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

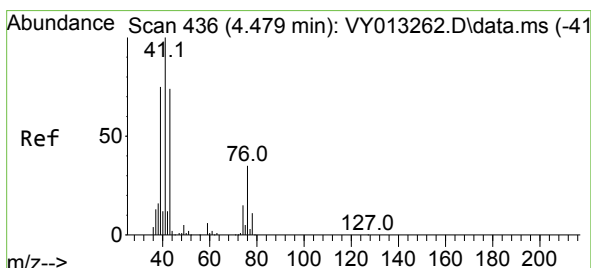
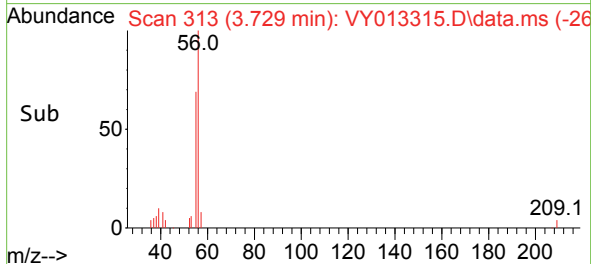
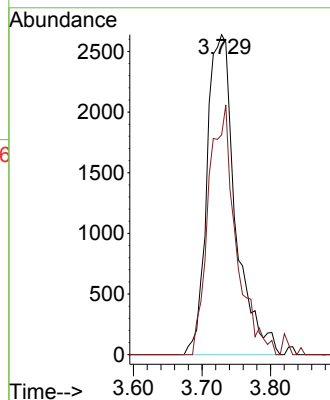
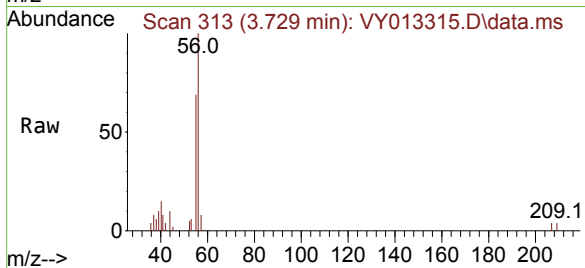
MDL-SOIL-03-QT2-2023

Tgt Ion: 56 Resp: 7598

Ion Ratio Lower Upper

56 100

55 75.3 56.8 85.2



#14

Allyl chloride

Concen: 4.081 ug/l

RT: 4.479 min Scan# 436

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

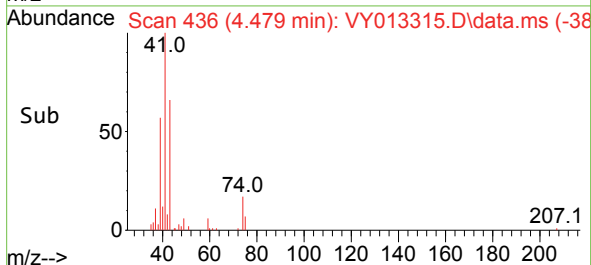
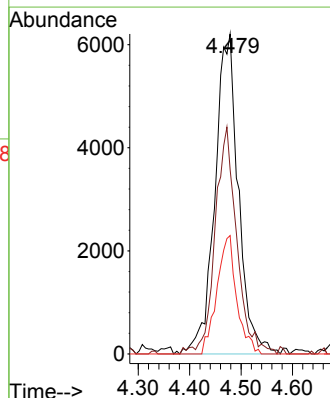
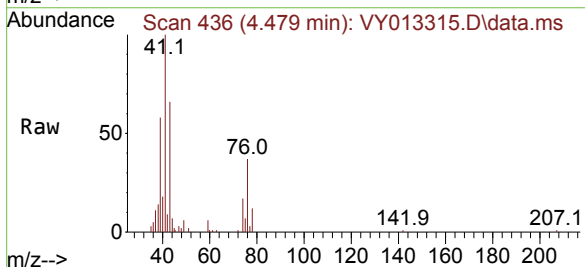
Tgt Ion: 41 Resp: 19737

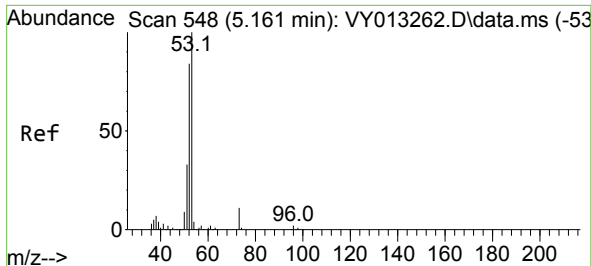
Ion Ratio Lower Upper

41 100

39 65.5 53.6 80.4

76 31.1 27.2 40.8

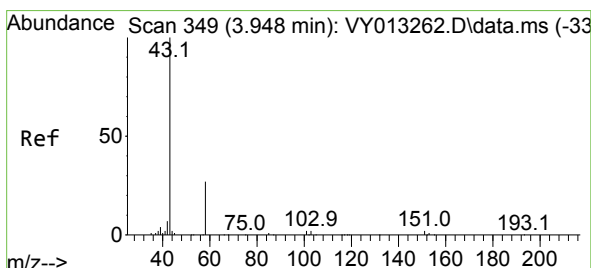
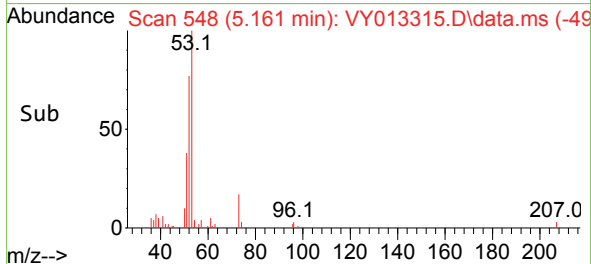
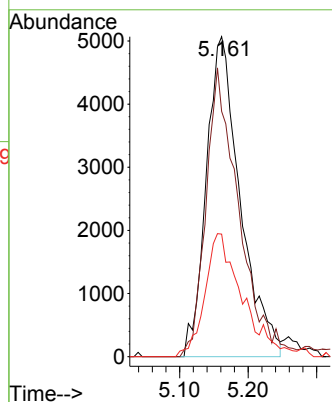
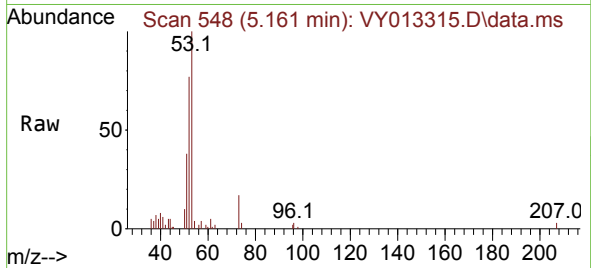




#15
Acrylonitrile
Concen: 18.673 ug/l
RT: 5.161 min Scan# 54
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

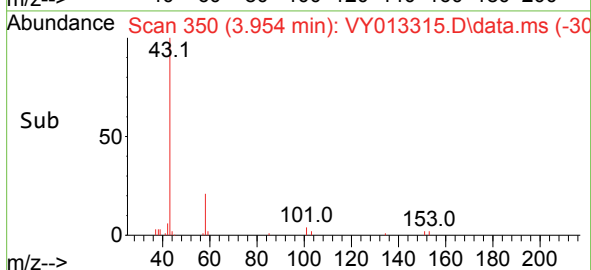
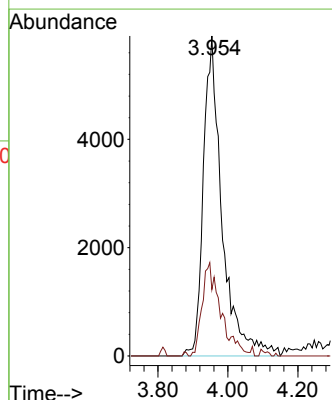
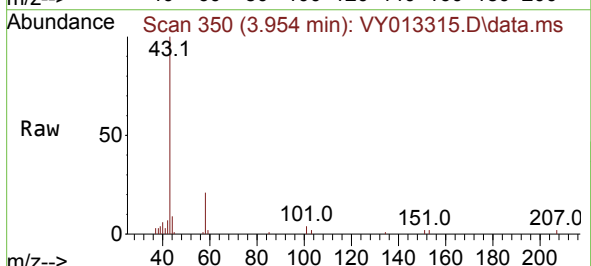
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

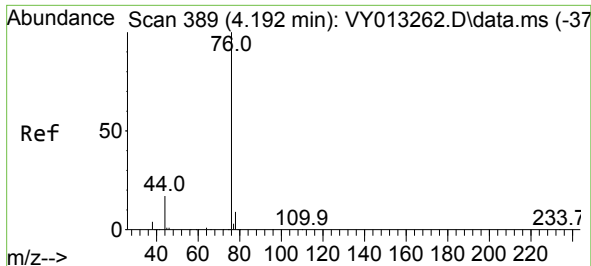
Tgt Ion:	53	Resp:	17454
Ion	Ratio	Lower	Upper
53	100		
52	87.1	66.3	99.5
51	38.4	28.8	43.2



#16
Acetone
Concen: 19.699 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion:	43	Resp:	21902
Ion	Ratio	Lower	Upper
43	100		
58	20.7	24.2	36.2#

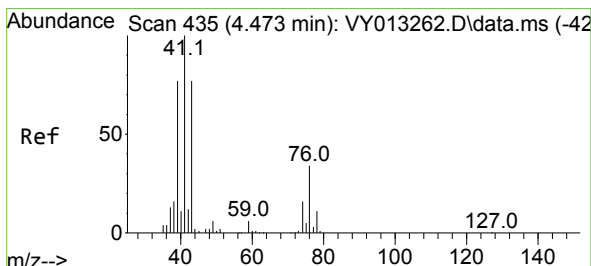
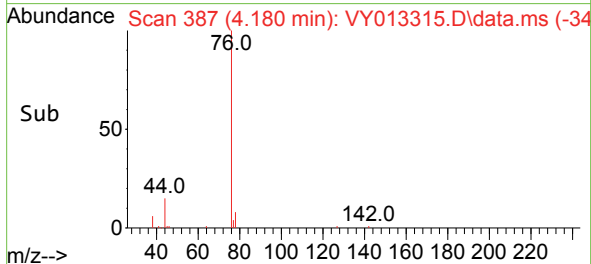
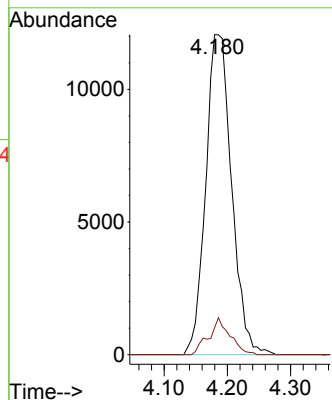
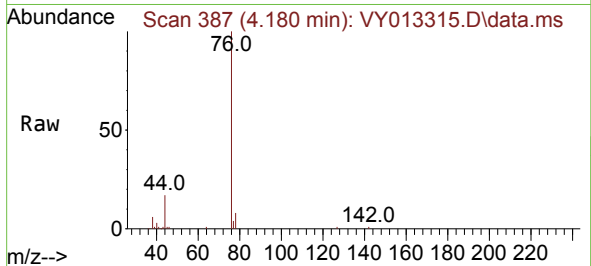




#17
Carbon Disulfide
Concen: 4.117 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.012 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

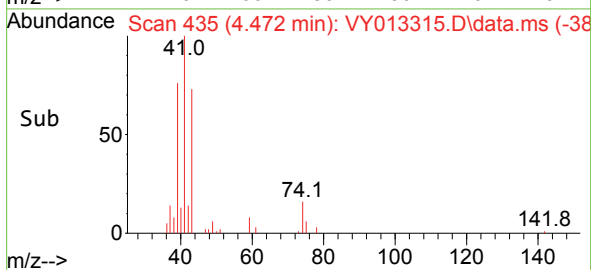
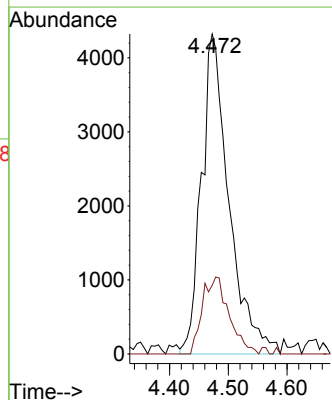
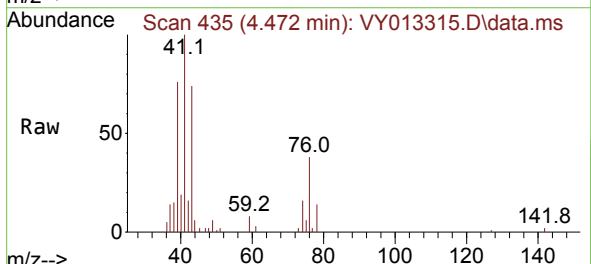
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

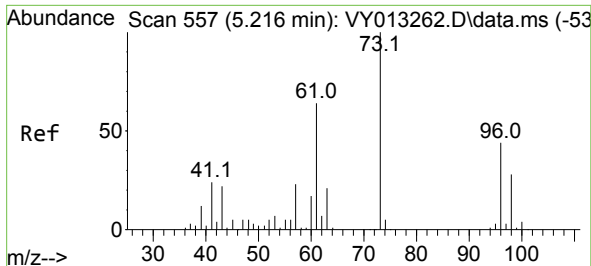
Tgt Ion: 76 Resp: 34322
Ion Ratio Lower Upper
76 100
78 8.5 7.1 10.7



#18
Methyl Acetate
Concen: 3.907 ug/l
RT: 4.472 min Scan# 435
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 43 Resp: 14051
Ion Ratio Lower Upper
43 100
74 23.3 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 3.819 ug/l

RT: 5.210 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

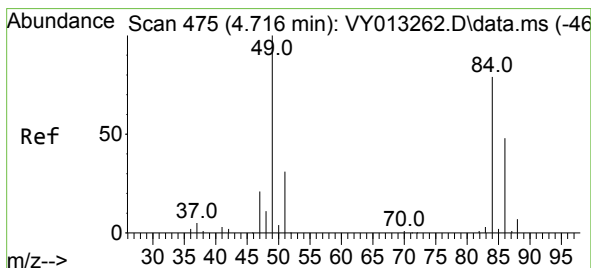
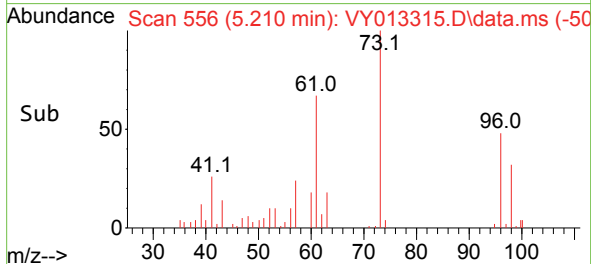
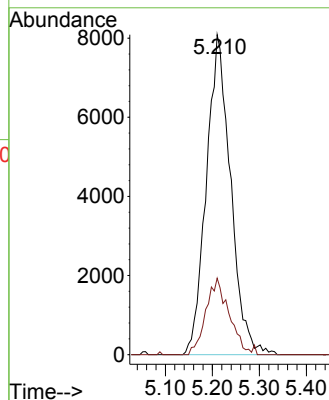
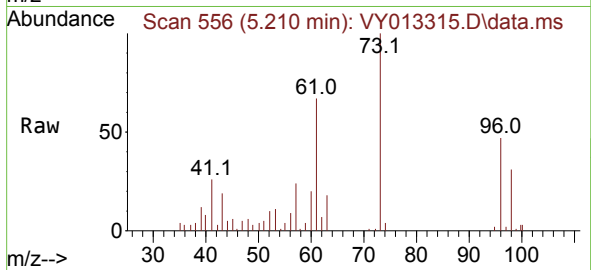
MDL-SOIL-03-QT2-2023

Tgt Ion: 73 Resp: 28964

Ion Ratio Lower Upper

73 100

57 23.9 18.3 27.5



#20

Methylene Chloride

Concen: 4.529 ug/l

RT: 4.710 min Scan# 474

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Tgt Ion: 84 Resp: 24711

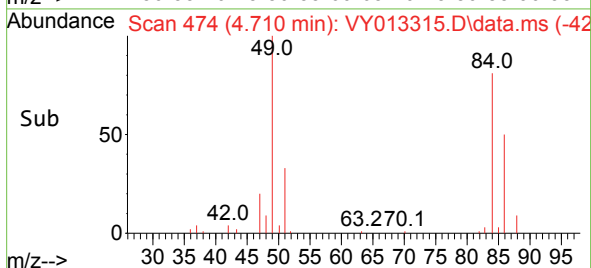
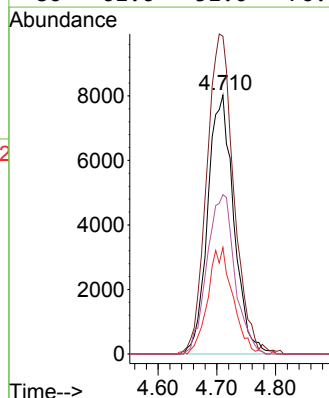
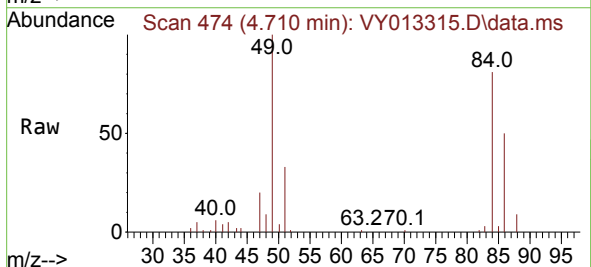
Ion Ratio Lower Upper

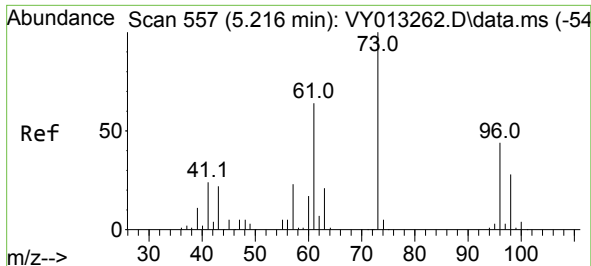
84 100

49 122.8 102.6 154.0

51 41.1 31.9 47.9

86 61.6 51.0 76.6

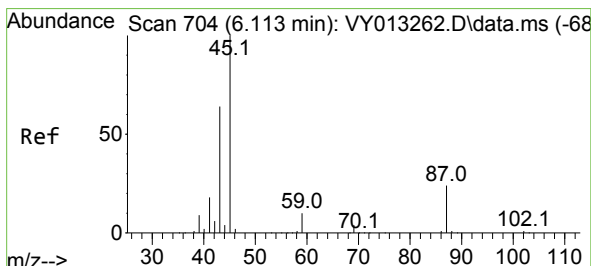
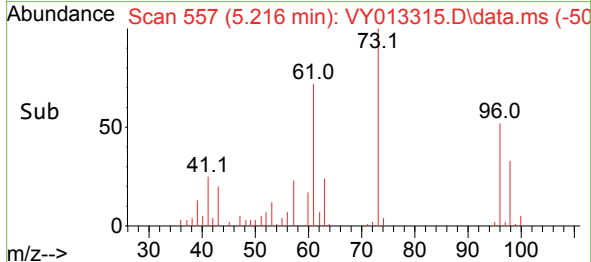
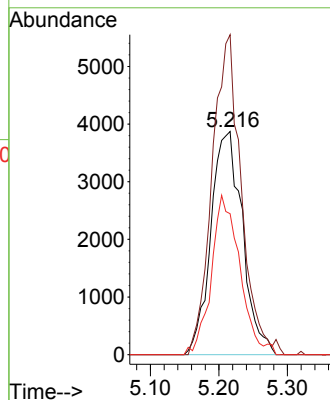
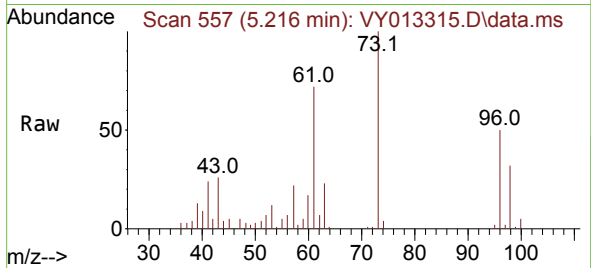




#21
trans-1,2-Dichloroethene
Concen: 4.285 ug/l
RT: 5.216 min Scan# 51
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

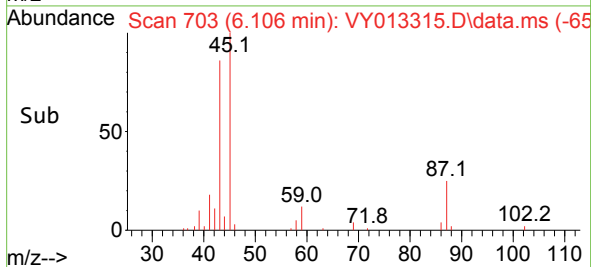
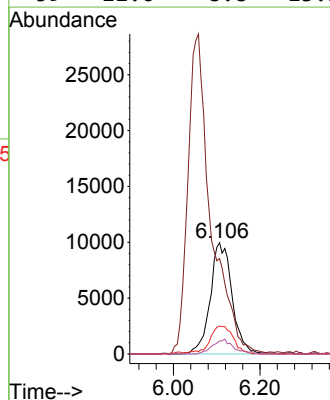
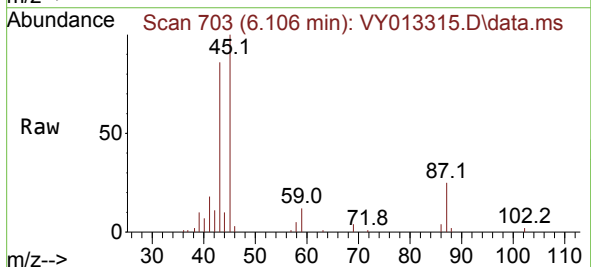
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

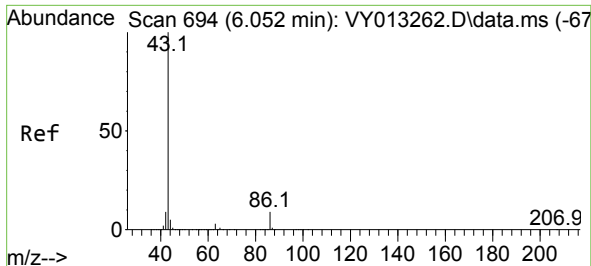
Tgt Ion: 96 Resp: 12386
Ion Ratio Lower Upper
96 100
61 143.3 111.4 167.0
98 63.1 50.8 76.2



#22
Diisopropyl ether
Concen: 3.658 ug/l
RT: 6.106 min Scan# 703
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 45 Resp: 34866
Ion Ratio Lower Upper
45 100
43 84.1 45.0 67.6#
87 25.0 20.3 30.5
59 11.6 8.8 13.2

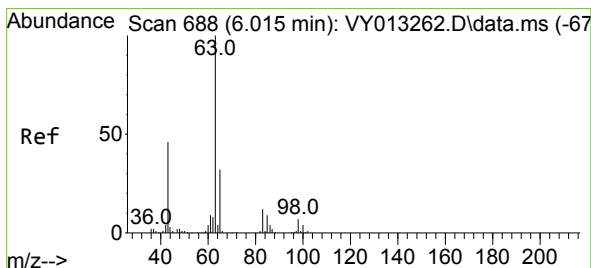
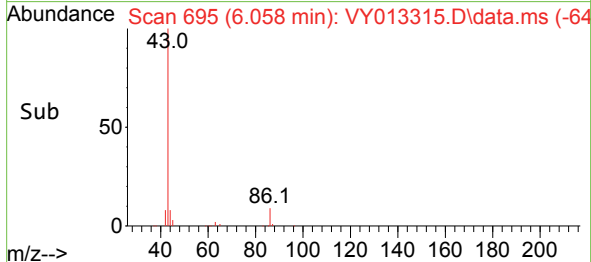
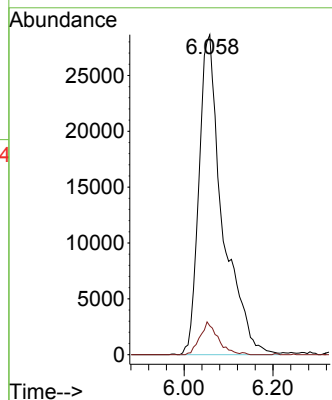
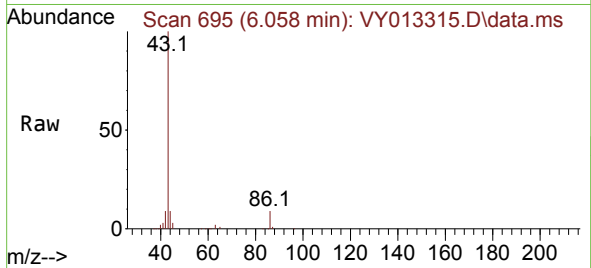




#23
 Vinyl Acetate
 Concen: 17.569 ug/l
 RT: 6.058 min Scan# 694
 Delta R.T. 0.006 min
 Lab File: VY013315.D
 Acq: 14 Apr 2023 13:46

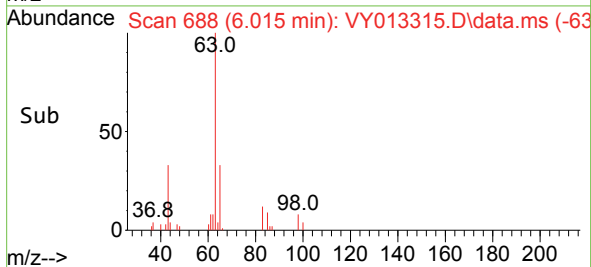
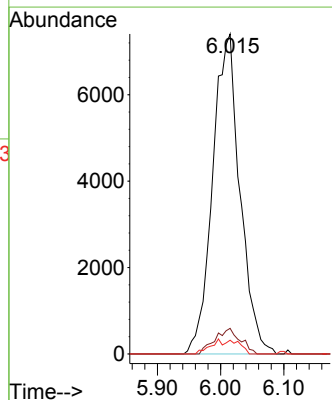
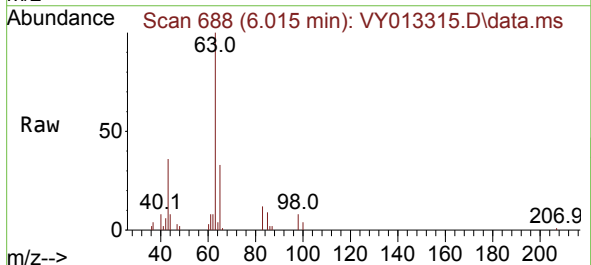
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

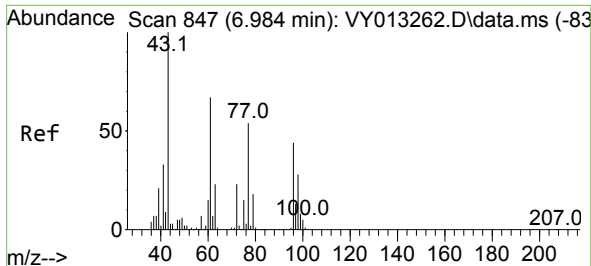
Tgt Ion: 43 Resp: 105869
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.8 11.8



#24
 1,1-Dichloroethane
 Concen: 4.169 ug/l
 RT: 6.015 min Scan# 688
 Delta R.T. -0.000 min
 Lab File: VY013315.D
 Acq: 14 Apr 2023 13:46

Tgt Ion: 63 Resp: 22201
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.7 11.1
 100 4.3 2.3 6.8

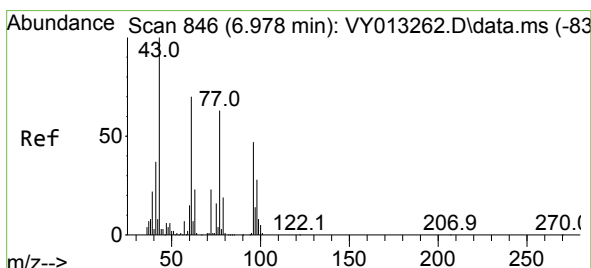
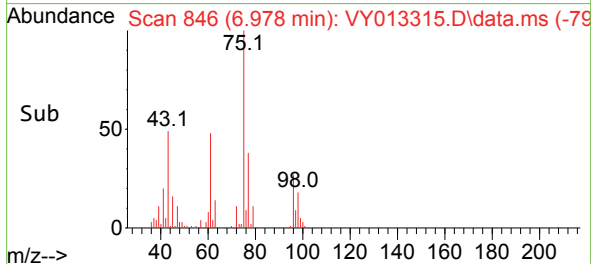
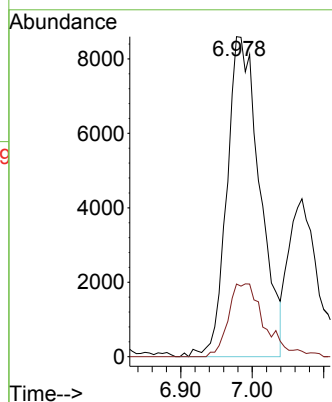
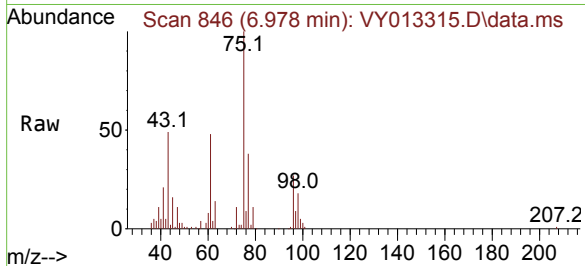




#25
2-Butanone
Concen: 19.262 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

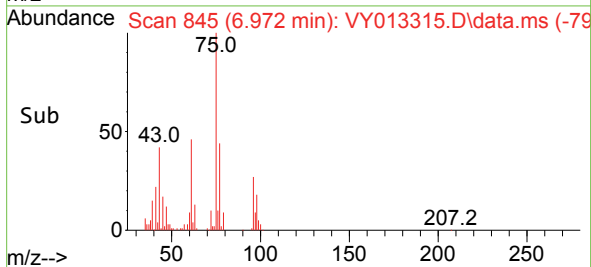
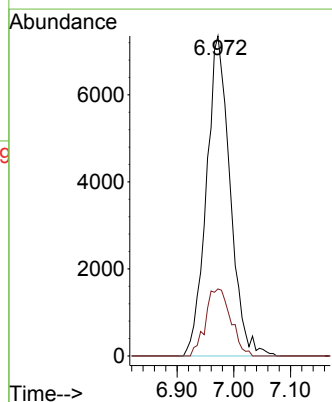
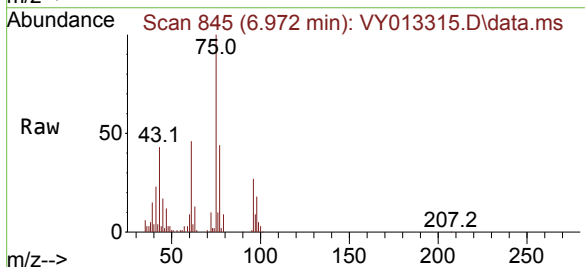
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

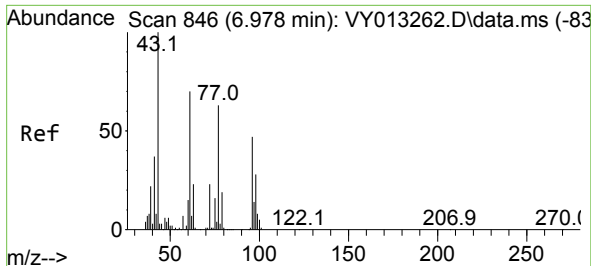
Tgt Ion: 43 Resp: 27422
Ion Ratio Lower Upper
43 100
72 22.7 21.0 31.4



#26
2,2-Dichloropropane
Concen: 4.465 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 77 Resp: 21330
Ion Ratio Lower Upper
77 100
97 22.3 11.7 35.0

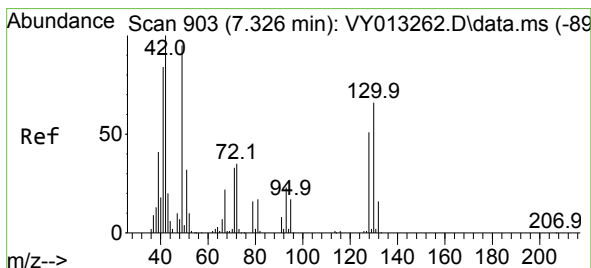
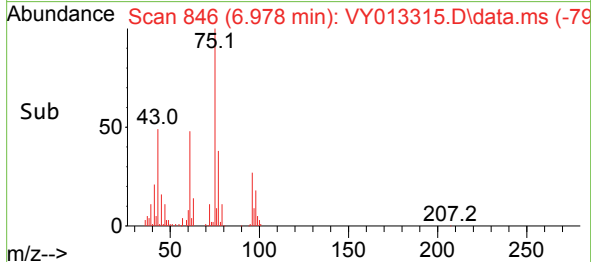
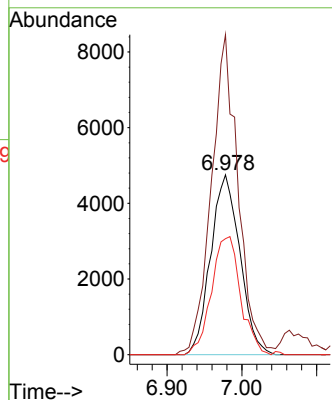
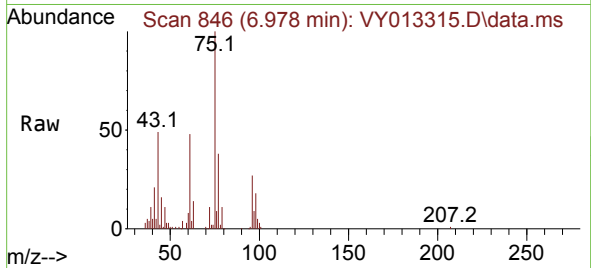




#27
 cis-1,2-Dichloroethene
 Concen: 4.115 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. -0.000 min
 Lab File: VY013315.D
 Acq: 14 Apr 2023 13:46

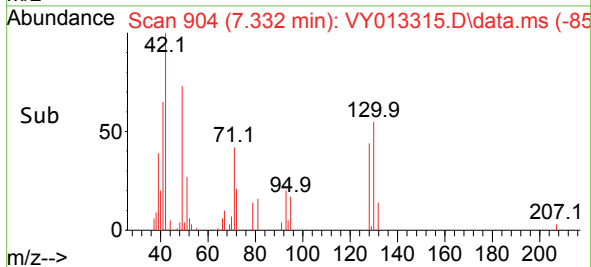
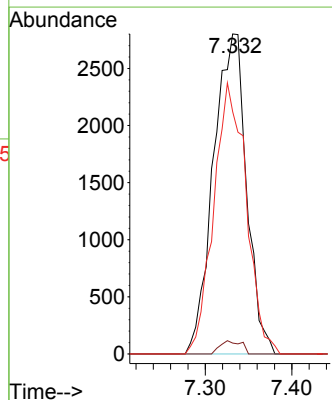
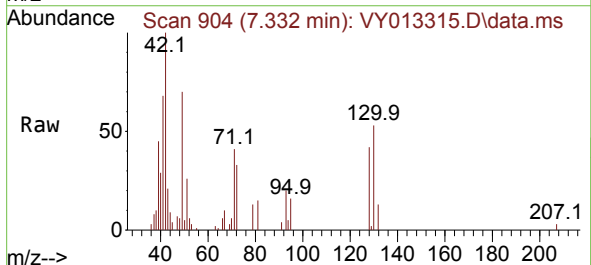
Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL-SOIL-03-QT2-2023

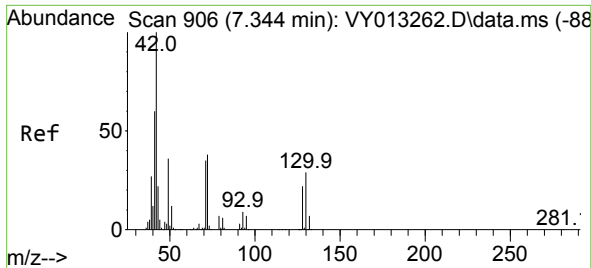
Tgt Ion:	96	Resp:	12932
Ion	Ratio	Lower	Upper
96	100		
61	162.7	0.0	295.8
98	65.4	0.0	130.2



#28
 Bromochloromethane
 Concen: 3.507 ug/l
 RT: 7.332 min Scan# 904
 Delta R.T. 0.006 min
 Lab File: VY013315.D
 Acq: 14 Apr 2023 13:46

Tgt Ion:	49	Resp:	7443
Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.2
130	83.1	60.5	90.7

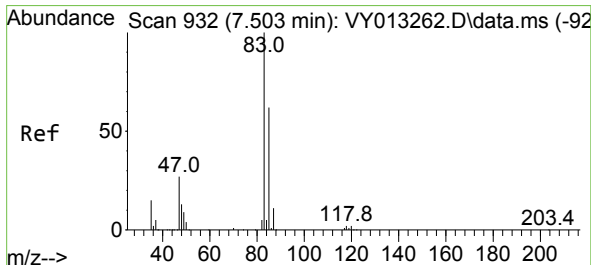
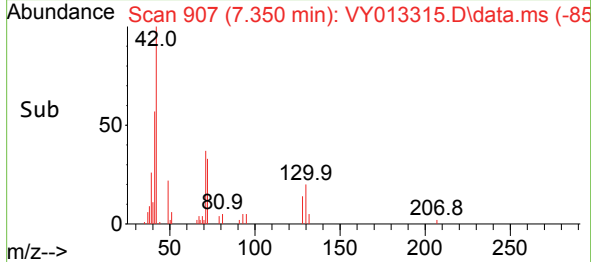
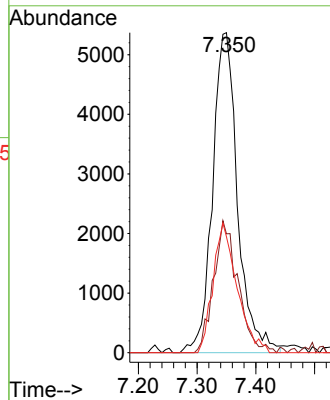
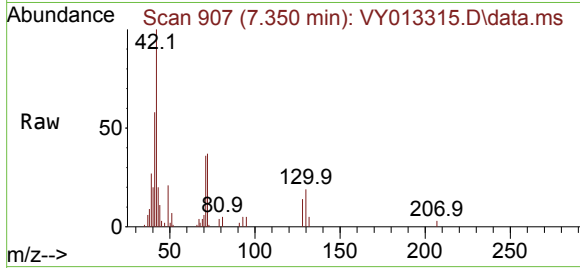




#29
Tetrahydrofuran
Concen: 18.362 ug/l
RT: 7.350 min Scan# 906
Delta R.T. 0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

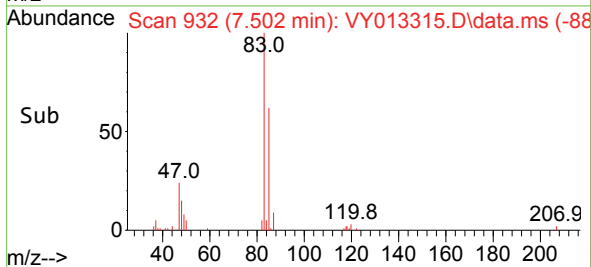
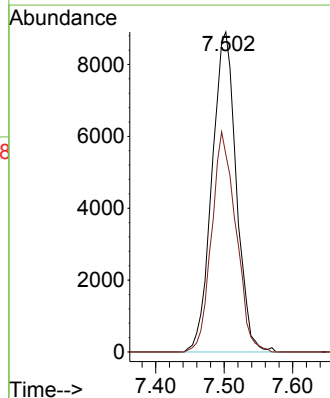
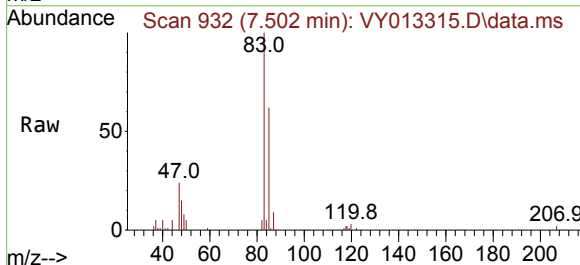
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

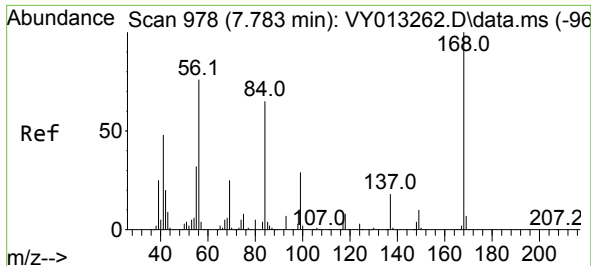
Tgt Ion:	42	Resp:	15876
Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.3	48.5
71	38.9	30.3	45.5



#30
Chloroform
Concen: 4.071 ug/l
RT: 7.502 min Scan# 932
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion:	83	Resp:	21938
Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.4	77.0

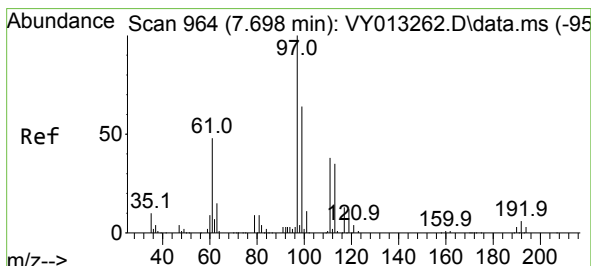
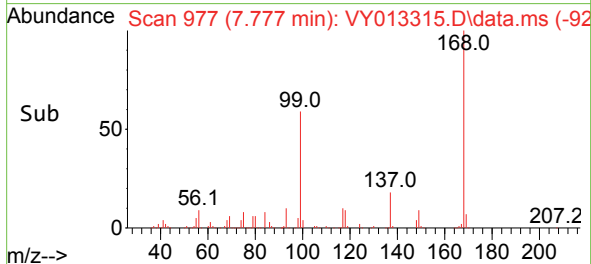
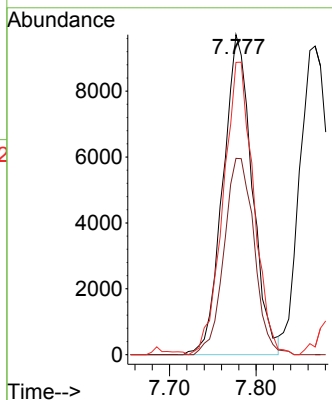
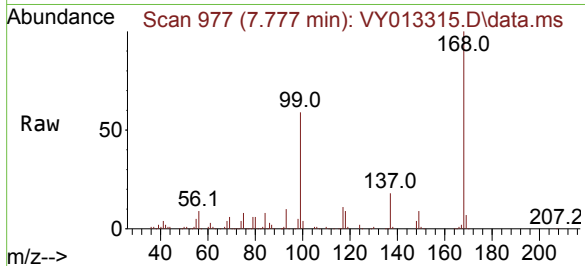




#31
Cyclohexane
Concen: 4.665 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

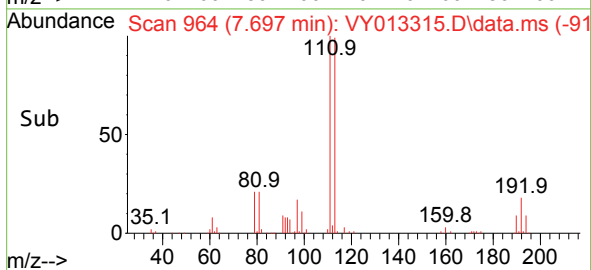
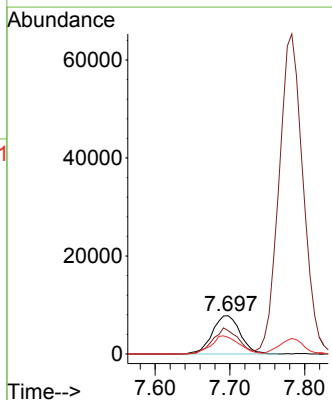
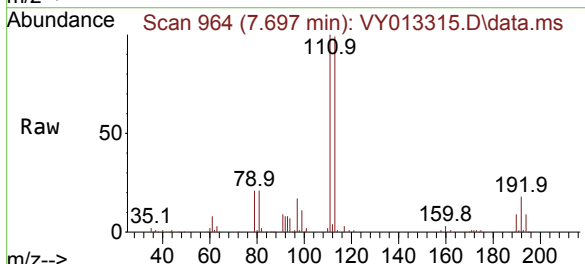
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

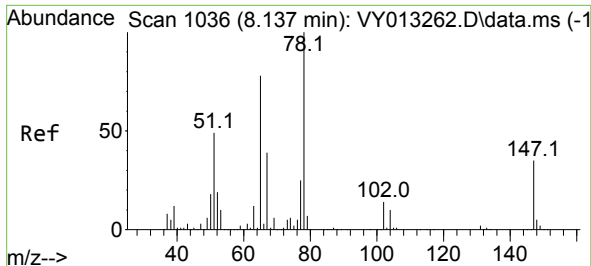
Tgt Ion: 56 Resp: 22811
Ion Ratio Lower Upper
56 100
69 61.4 25.7 38.5#
84 90.4 64.3 96.5



#32
1,1,1-Trichloroethane
Concen: 4.155 ug/l
RT: 7.697 min Scan# 964
Delta R.T. -0.001 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 97 Resp: 20252
Ion Ratio Lower Upper
97 100
99 62.4 51.0 76.6
61 47.2 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 49.937 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

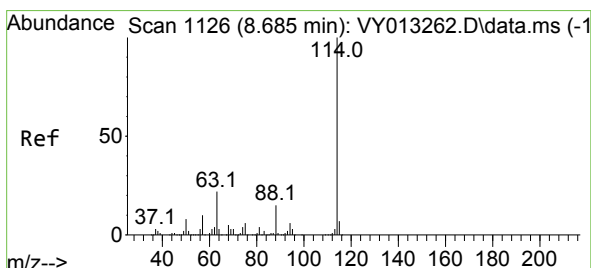
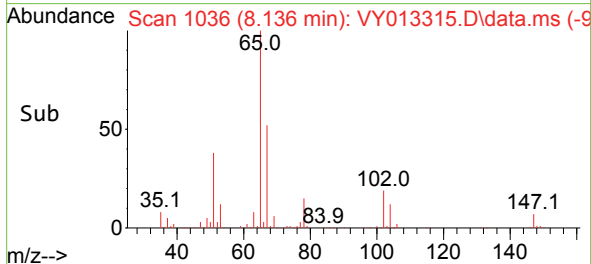
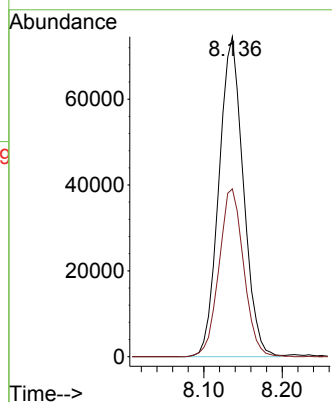
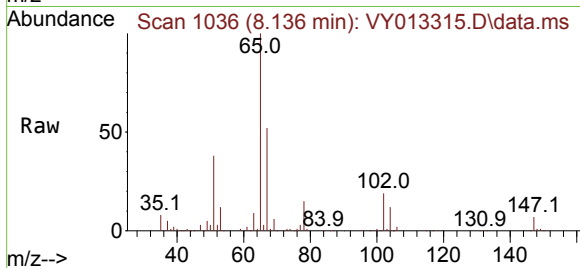
MDL-SOIL-03-QT2-2023

Tgt Ion: 65 Resp: 161481

Ion Ratio Lower Upper

65 100

67 53.1 0.0 104.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

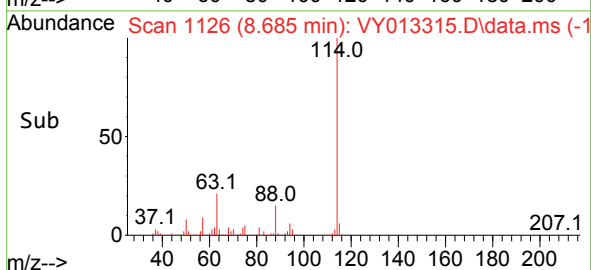
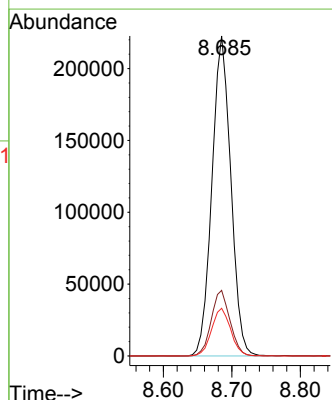
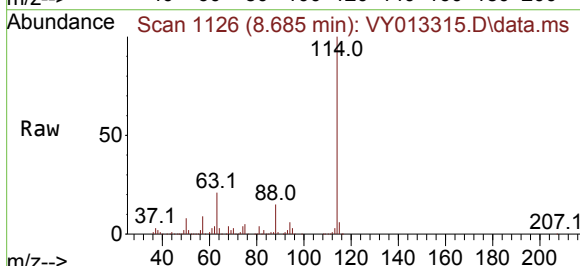
Tgt Ion: 114 Resp: 425321

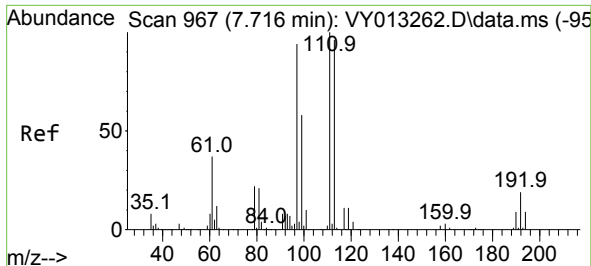
Ion Ratio Lower Upper

114 100

63 20.5 0.0 37.4

88 14.9 0.0 28.6

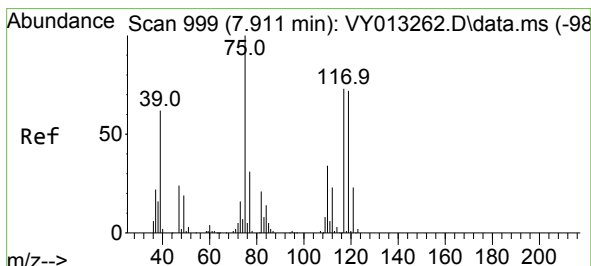
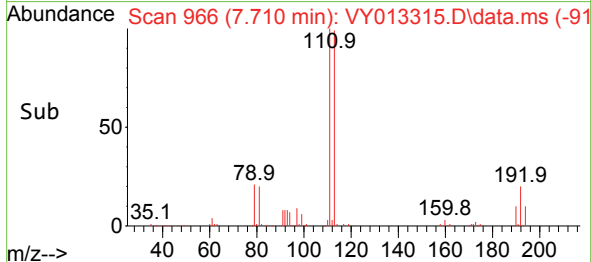
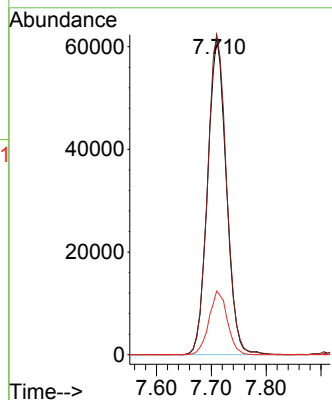
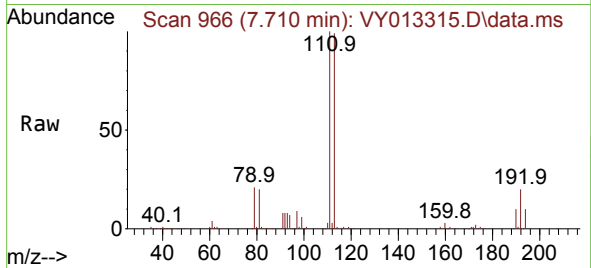




#35
Dibromofluoromethane
Concen: 53.011 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

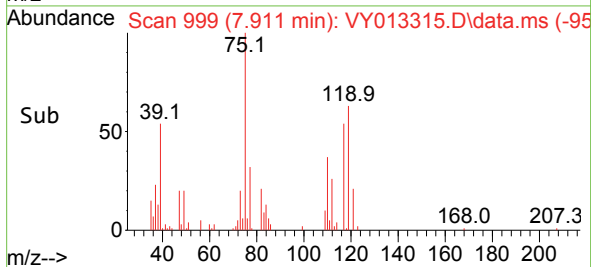
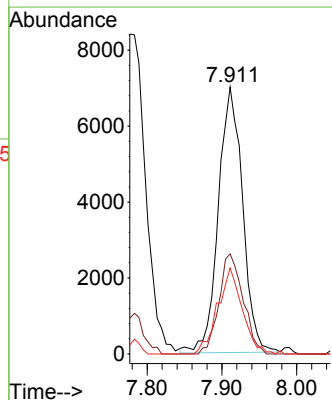
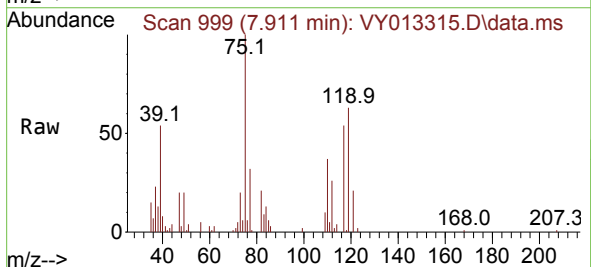
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

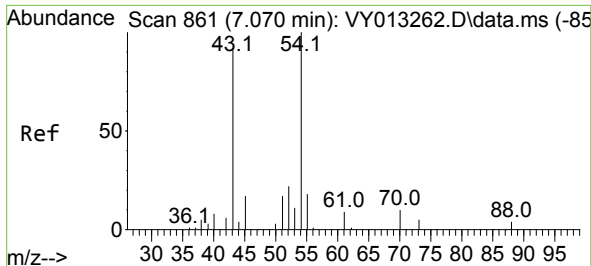
Tgt Ion:113 Resp: 145965
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.2
192 19.6 16.8 25.2



#36
1,1-Dichloropropene
Concen: 3.782 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 75 Resp: 15776
Ion Ratio Lower Upper
75 100
110 37.4 17.8 53.3
77 32.7 25.0 37.4

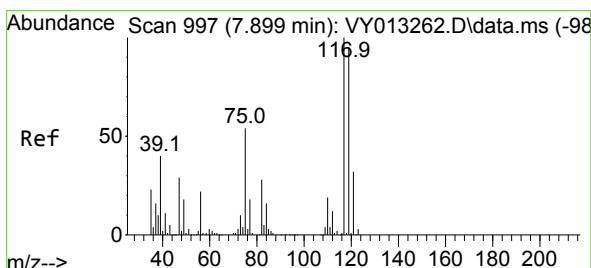
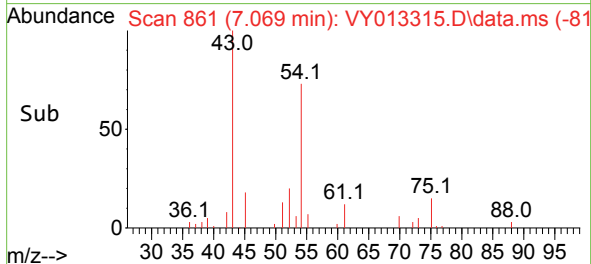
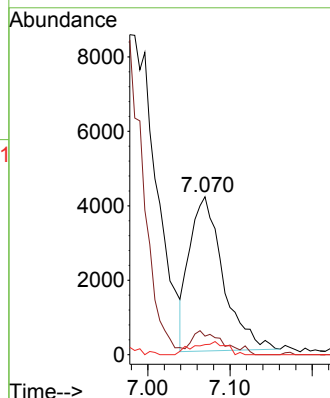
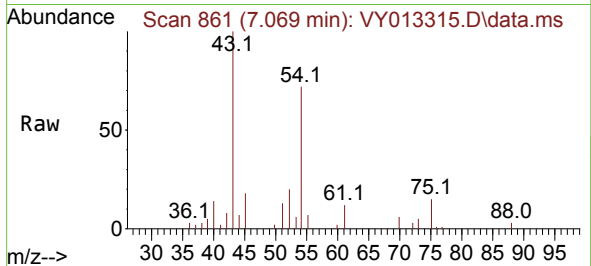




#37
Ethyl Acetate
Concen: 3.511 ug/l
RT: 7.069 min Scan# 861
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

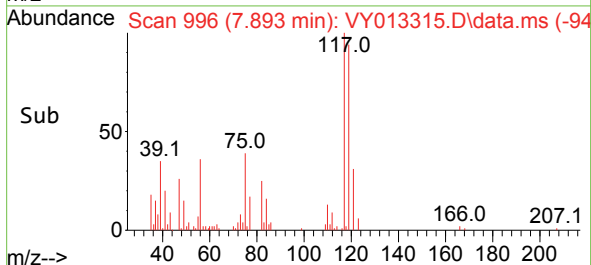
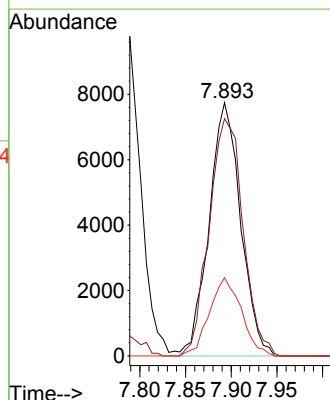
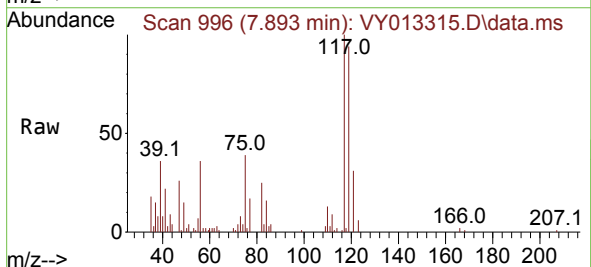
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

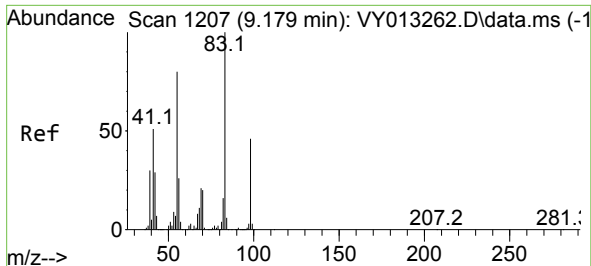
Tgt Ion: 43	Resp: 11805
Ion Ratio	Lower Upper
43 100	
61 14.2	10.7 16.1
70 8.1	7.8 11.8



#38
Carbon Tetrachloride
Concen: 4.035 ug/l
RT: 7.893 min Scan# 996
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion:117	Resp:	18610	
Ion	Ratio	Lower	Upper
117	100		
119	93.7	77.2	115.8
121	30.9	24.7	37.1





#39

Methylcyclohexane

Concen: 3.763 ug/l

RT: 9.173 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013315.D

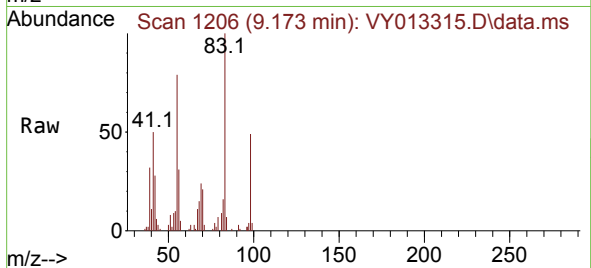
Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023



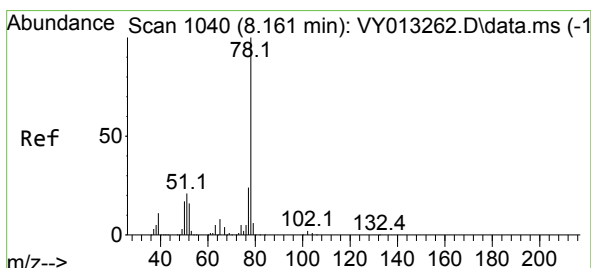
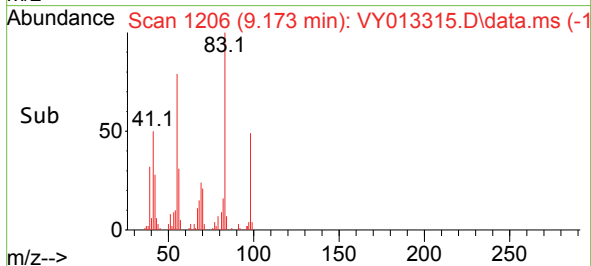
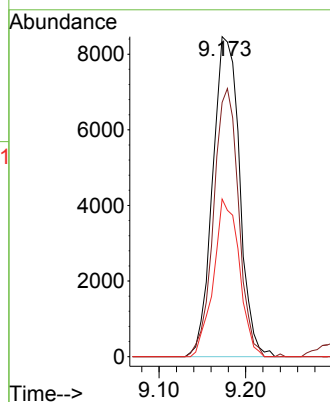
Tgt Ion: 83 Resp: 18246

Ion Ratio Lower Upper

83 100

55 79.4 60.0 90.0

98 49.2 38.3 57.5



#40

Benzene

Concen: 4.017 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.006 min

Lab File: VY013315.D

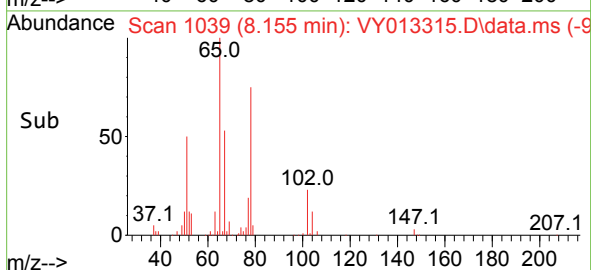
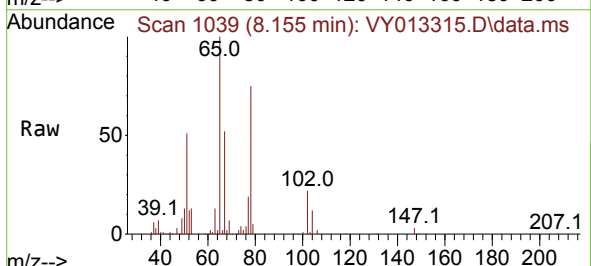
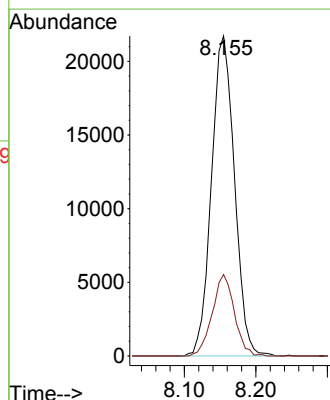
Acq: 14 Apr 2023 13:46

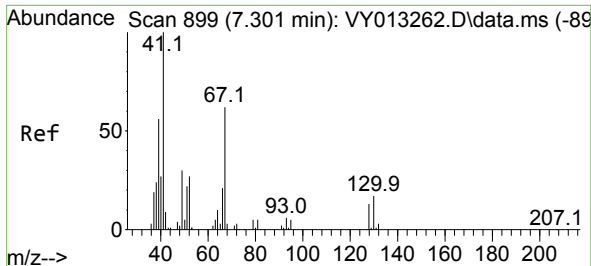
Tgt Ion: 78 Resp: 48496

Ion Ratio Lower Upper

78 100

77 25.5 19.4 29.0

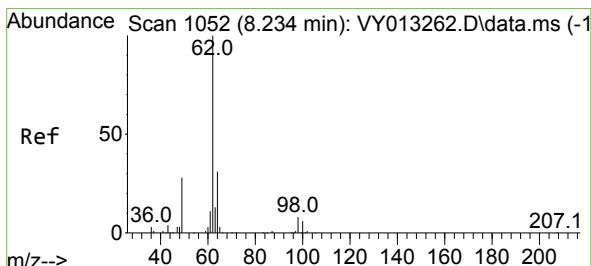
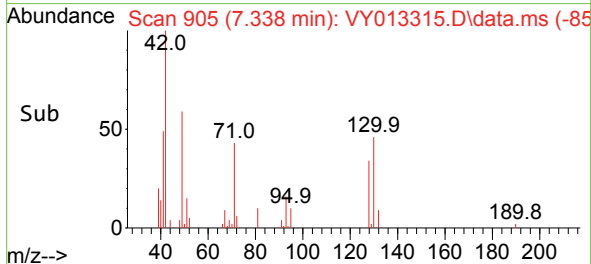
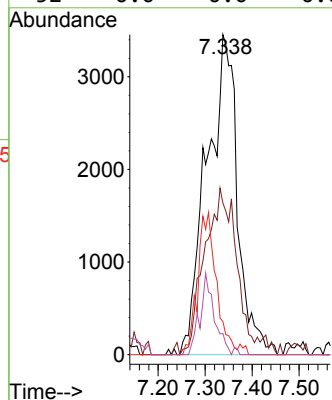
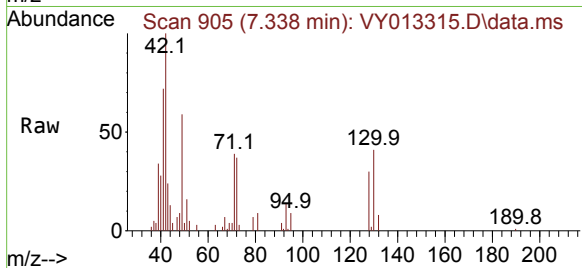




#41
Methacrylonitrile
Concen: 11.234 ug/l
RT: 7.338 min Scan# 905
Delta R.T. 0.036 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

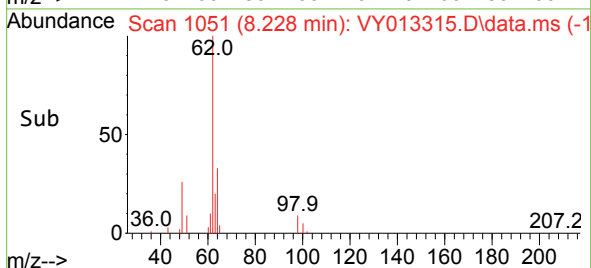
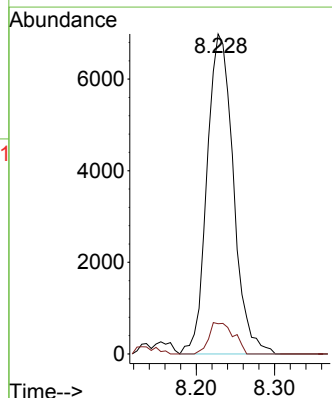
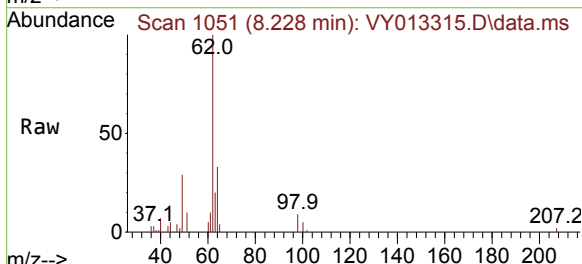
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

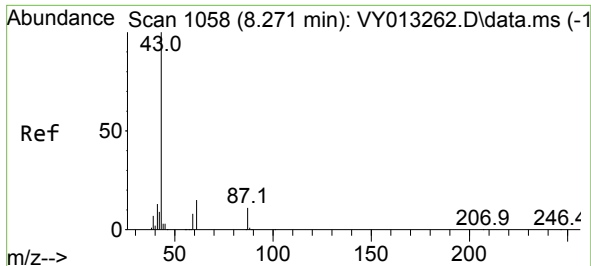
Tgt Ion:	41	Resp:	15672
Ion	Ratio	Lower	Upper
41	100		
39	53.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 3.985 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion:	62	Resp:	16313
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8

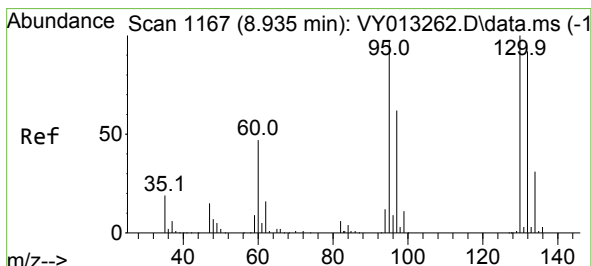
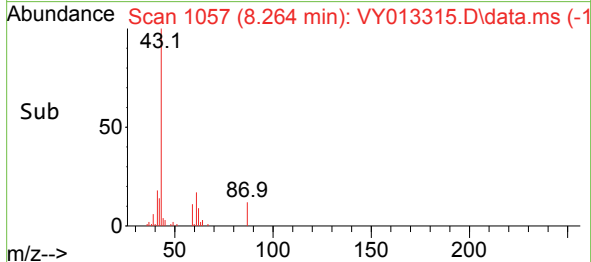
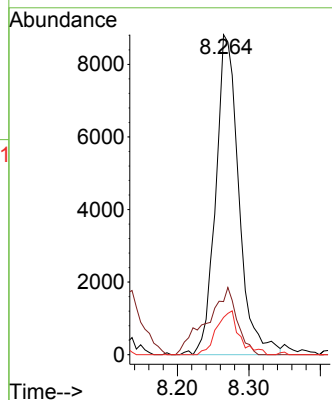
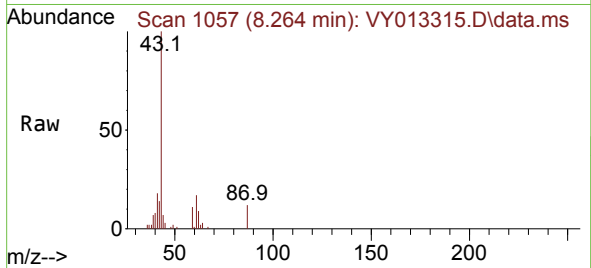




#43
Isopropyl Acetate
Concen: 3.544 ug/l
RT: 8.264 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

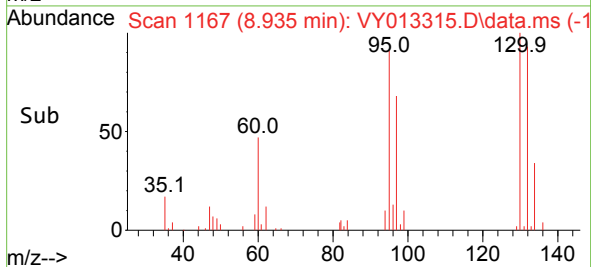
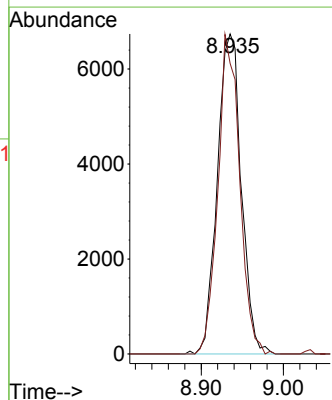
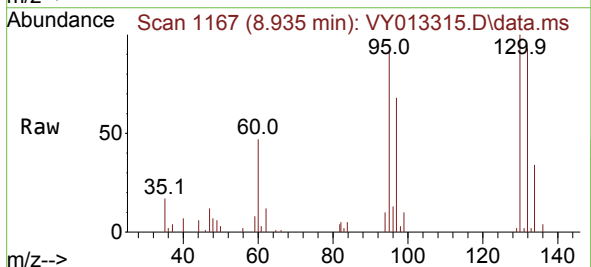
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023

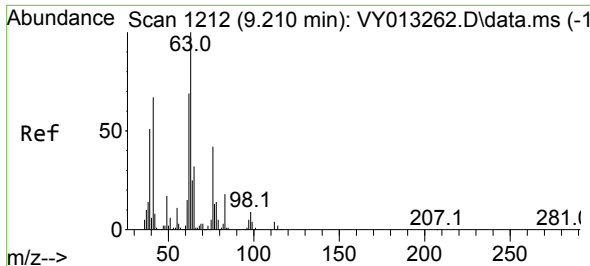
Tgt Ion:	43	Resp:	19791
Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.6	32.4
87	13.6	9.9	14.9



#44
Trichloroethene
Concen: 4.386 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion:	130	Resp:	13640
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	185.0





#45

1,2-Dichloropropane

Concen: 4.077 ug/l

RT: 9.209 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

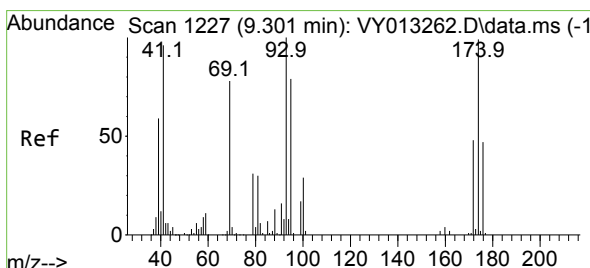
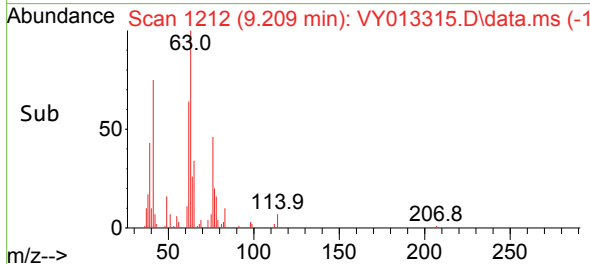
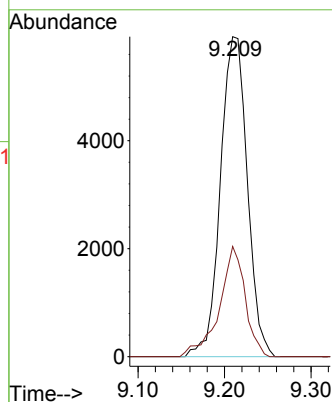
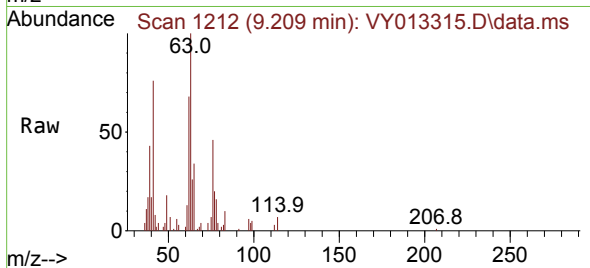
MDL-SOIL-03-QT2-2023

Tgt Ion: 63 Resp: 12777

Ion Ratio Lower Upper

63 100

65 34.4 25.7 38.5



#46

Dibromomethane

Concen: 4.108 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

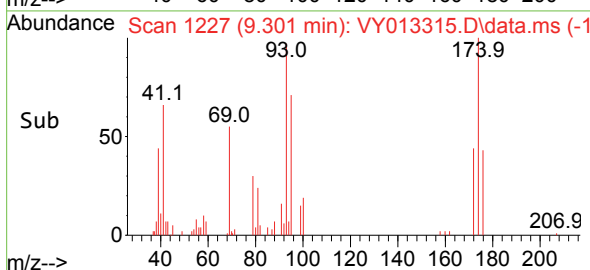
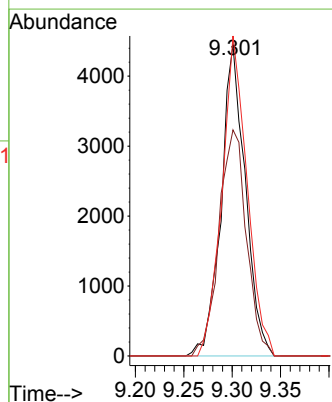
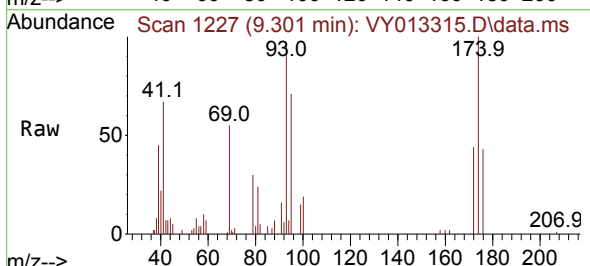
Tgt Ion: 93 Resp: 7747

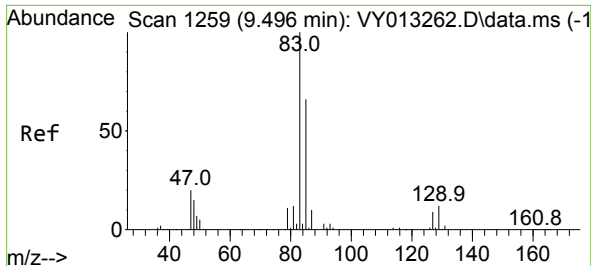
Ion Ratio Lower Upper

93 100

95 82.3 65.6 98.4

174 106.5 81.3 121.9

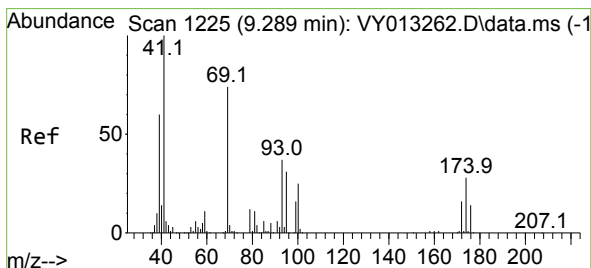
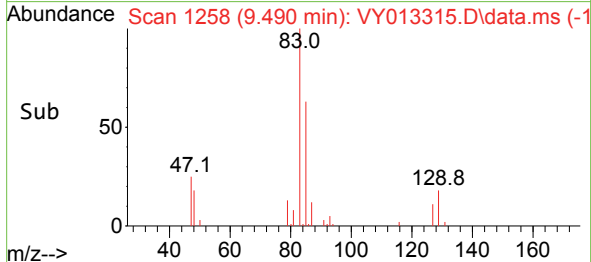
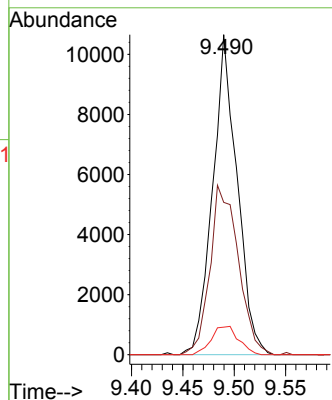
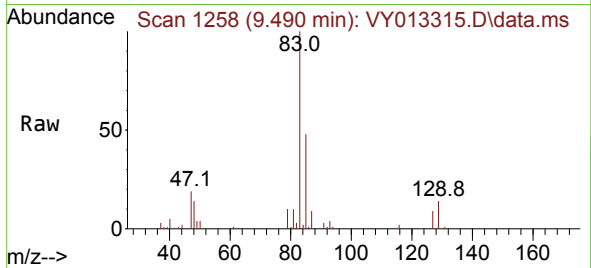




#47
Bromodichloromethane
Concen: 4.085 ug/l
RT: 9.490 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

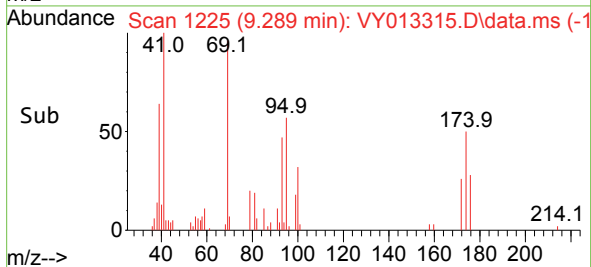
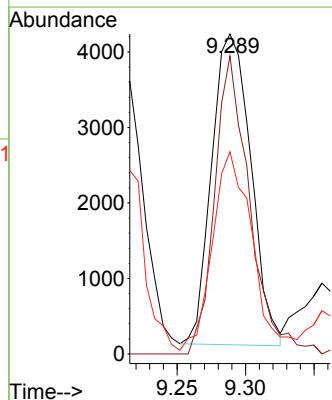
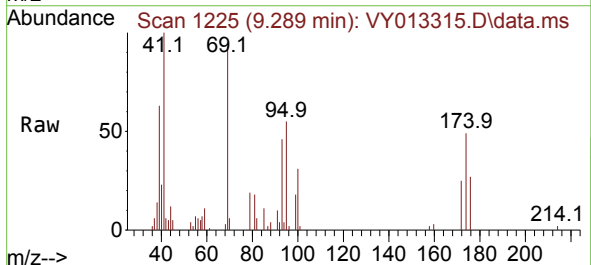
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

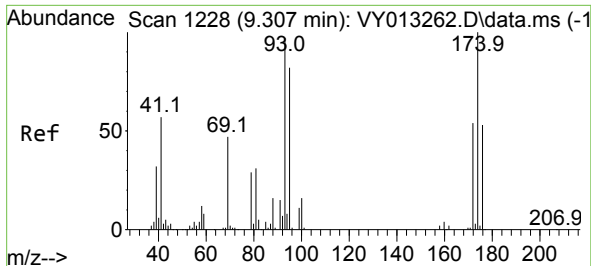
Tgt Ion: 83 Resp: 17611
Ion Ratio Lower Upper
83 100
85 47.6 50.2 75.4#
127 8.6 6.3 9.5



#48
Methyl methacrylate
Concen: 3.188 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 41 Resp: 8179
Ion Ratio Lower Upper
41 100
69 85.8 64.1 96.1
39 64.6 44.0 66.0





#49

1,4-Dioxane

Concen: 61.130 ug/l

RT: 9.319 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

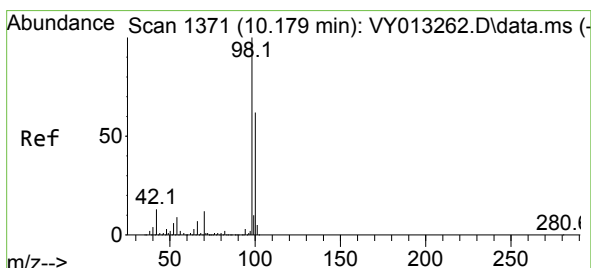
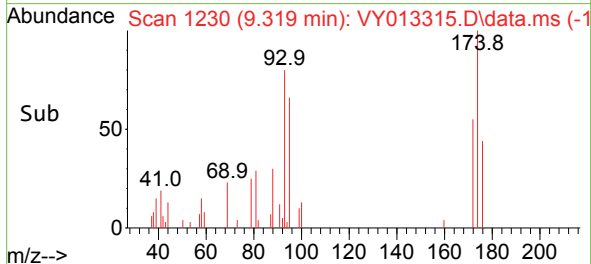
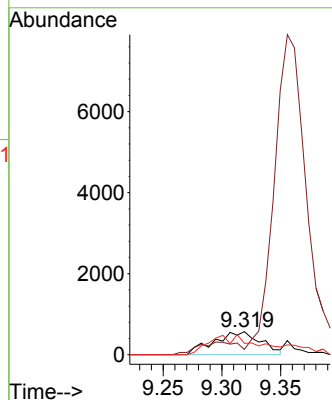
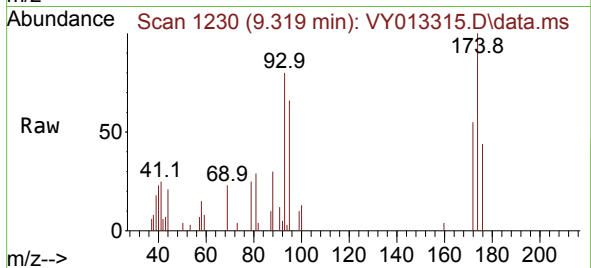
Tgt Ion: 88 Resp: 1562

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

58 0.0 55.2 82.8#



#50

Toluene-d8

Concen: 50.987 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY013315.D

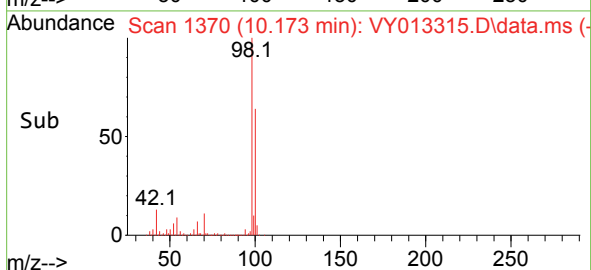
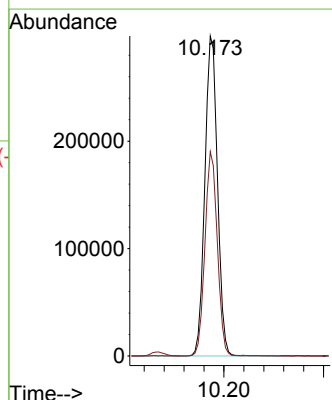
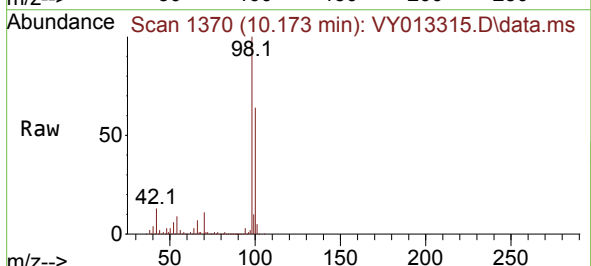
Acq: 14 Apr 2023 13:46

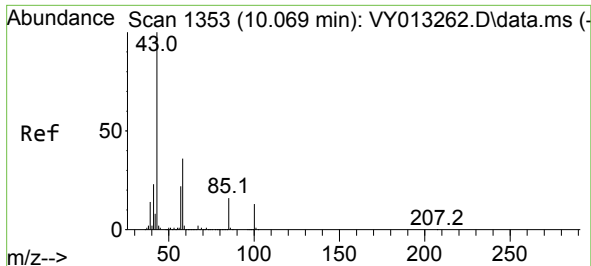
Tgt Ion: 98 Resp: 522569

Ion Ratio Lower Upper

98 100

100 62.5 50.9 76.3

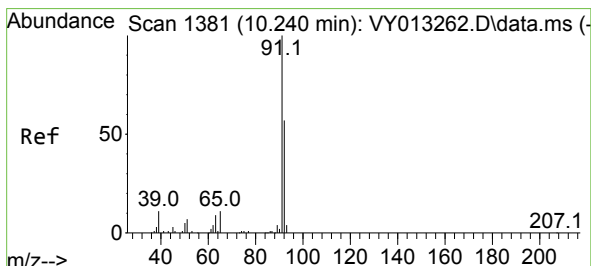
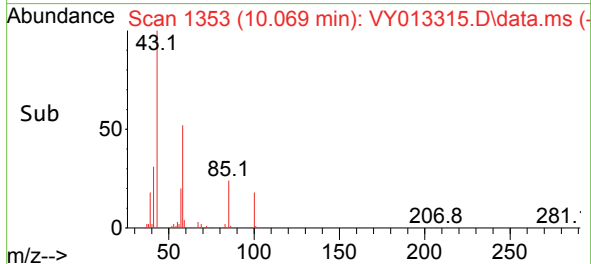
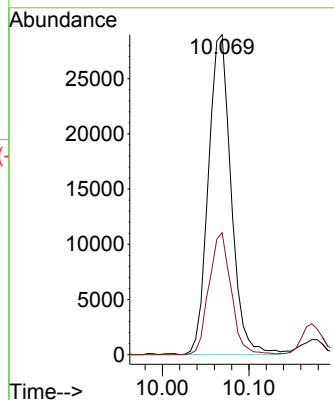
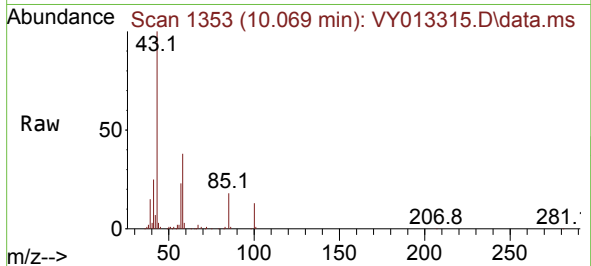




#51
4-Methyl-2-Pentanone
Concen: 17.436 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

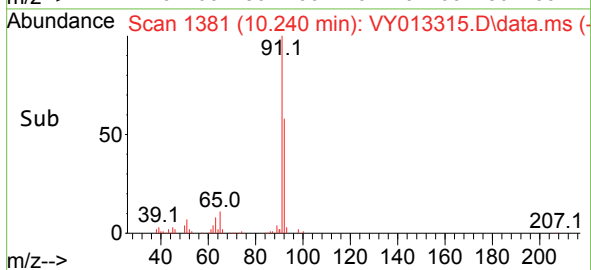
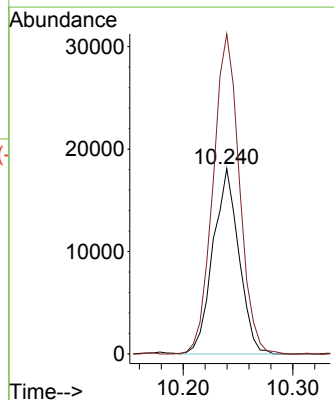
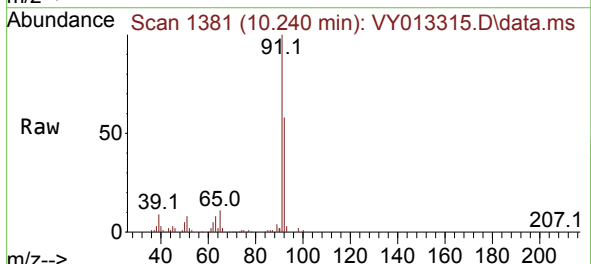
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

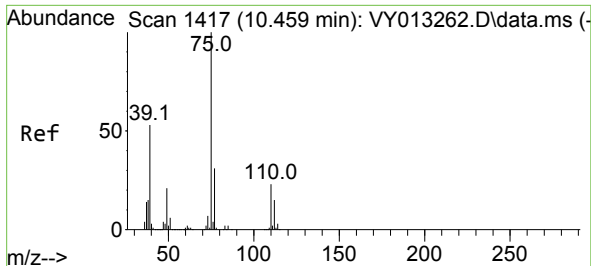
Tgt Ion: 43 Resp: 52998
Ion Ratio Lower Upper
43 100
58 37.0 29.8 44.6



#52
Toluene
Concen: 4.075 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 92 Resp: 29704
Ion Ratio Lower Upper
92 100
91 175.6 141.3 211.9

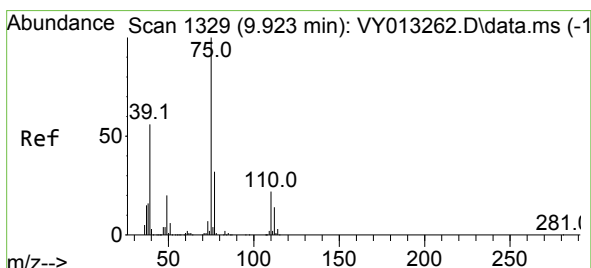
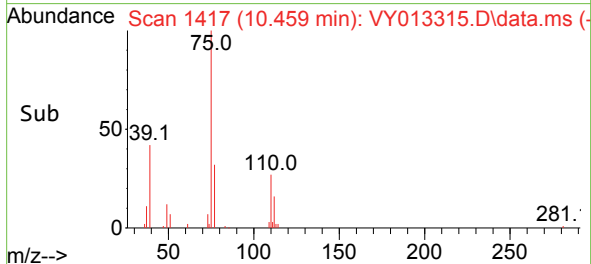
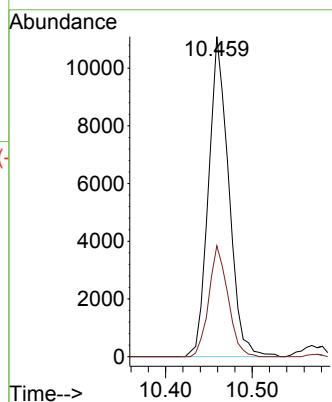
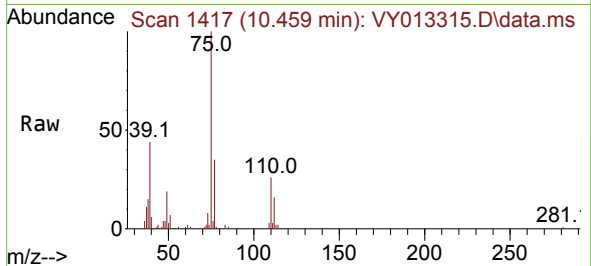




#53
t-1,3-Dichloropropene
Concen: 3.977 ug/l
RT: 10.459 min Scan# 1417
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

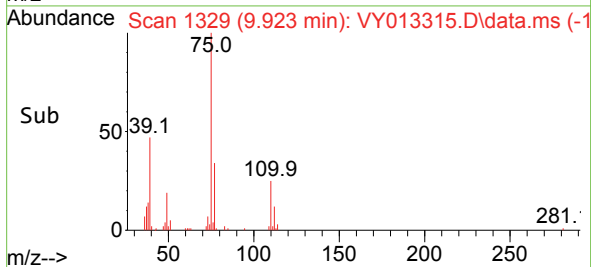
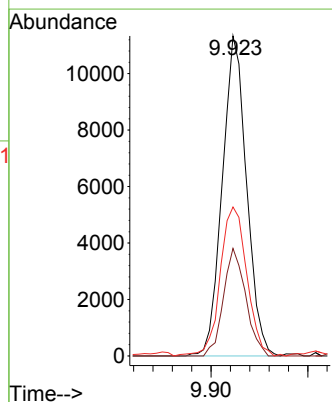
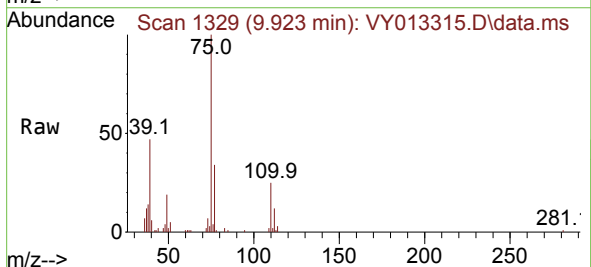
Instrument : MSVOA_Y
ClientSampleId : MDL-SOIL-03-QT2-2023

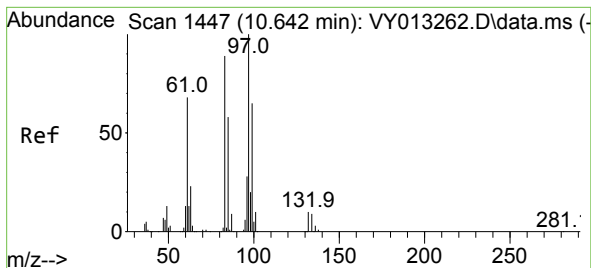
Tgt Ion: 75 Resp: 17958
Ion Ratio Lower Upper
75 100
77 34.6 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 3.982 ug/l
RT: 9.923 min Scan# 1329
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 75 Resp: 19715
Ion Ratio Lower Upper
75 100
77 33.6 25.4 38.0
39 46.1 39.0 58.4





#55

1,1,2-Trichloroethane

Concen: 4.339 ug/l

RT: 10.636 min Scan# 1446

Delta R.T. -0.006 min

Lab File: VY013315.D

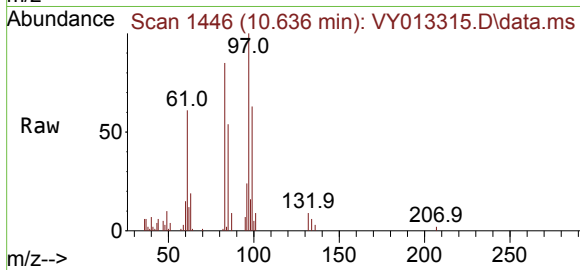
Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023



Tgt Ion: 97 Resp: 10789

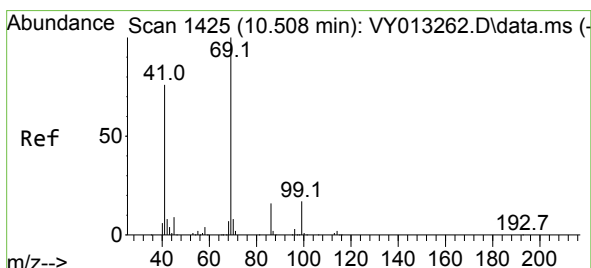
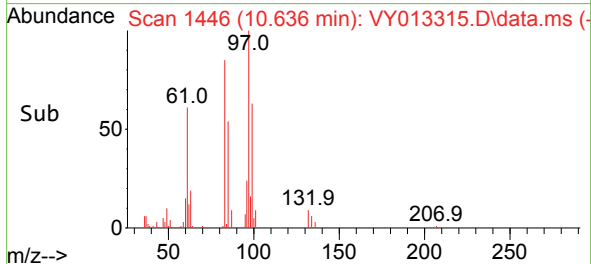
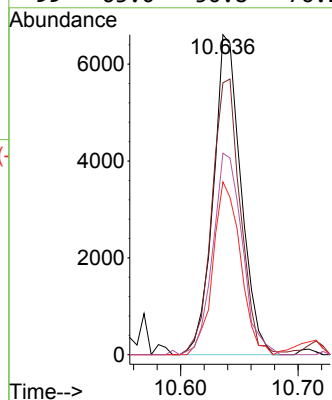
Ion Ratio Lower Upper

97 100

83 84.9 69.0 103.6

85 54.0 44.9 67.3

99 63.0 50.8 76.2



#56

Ethyl methacrylate

Concen: 3.687 ug/l

RT: 10.508 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

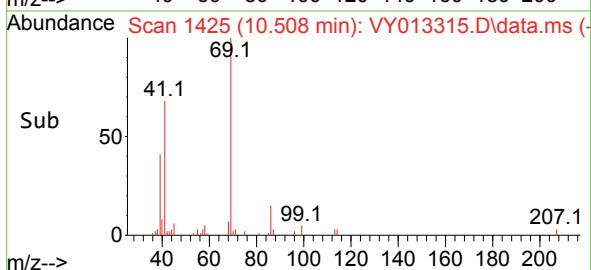
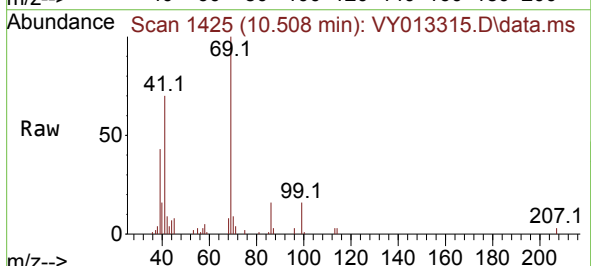
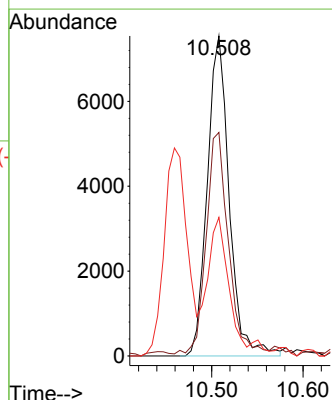
Tgt Ion: 69 Resp: 12553

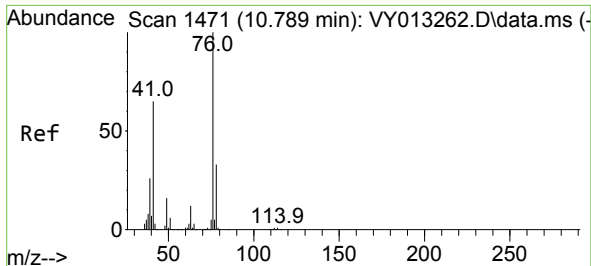
Ion Ratio Lower Upper

69 100

41 70.3 56.4 84.6

39 41.7 30.8 46.2





#57

1,3-Dichloropropane

Concen: 4.205 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

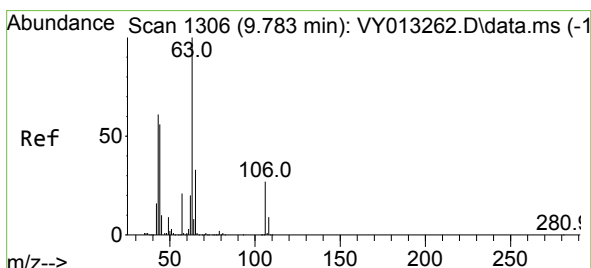
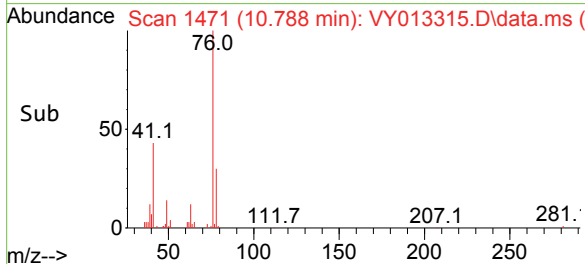
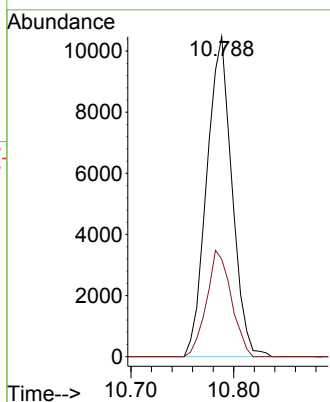
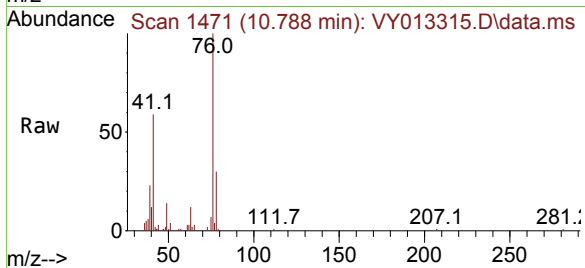
MDL-SOIL-03-QT2-2023

Tgt Ion: 76 Resp: 17786

Ion Ratio Lower Upper

76 100

78 32.6 26.2 39.4



#58

2-Chloroethyl Vinyl ether

Concen: 18.826 ug/l

RT: 9.776 min Scan# 1305

Delta R.T. -0.006 min

Lab File: VY013315.D

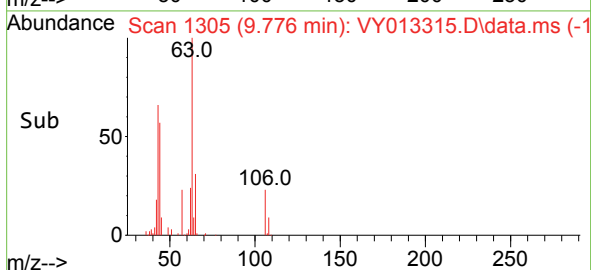
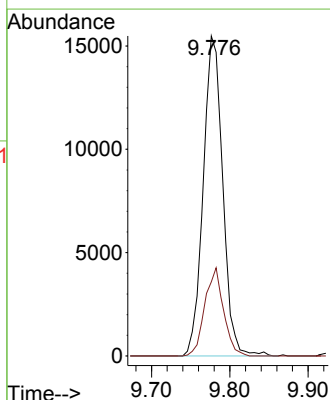
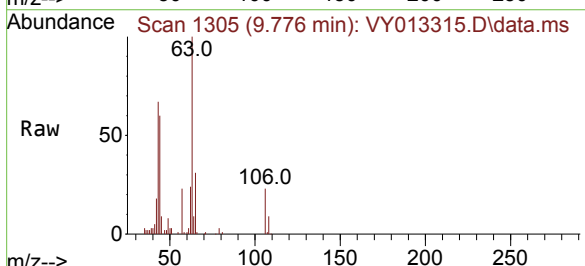
Acq: 14 Apr 2023 13:46

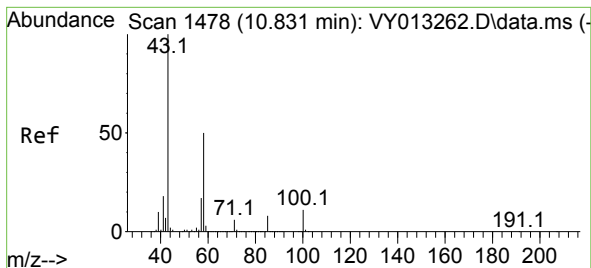
Tgt Ion: 63 Resp: 26764

Ion Ratio Lower Upper

63 100

106 26.4 22.1 33.1





#59

2-Hexanone

Concen: 16.551 ug/l

RT: 10.831 min Scan# 1478

Delta R.T. 0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

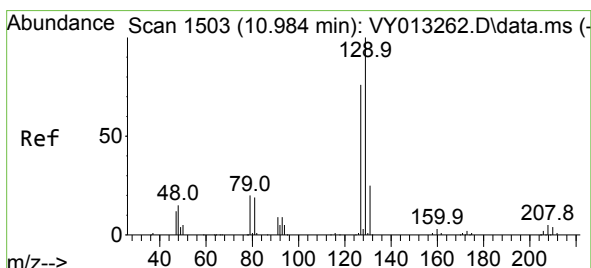
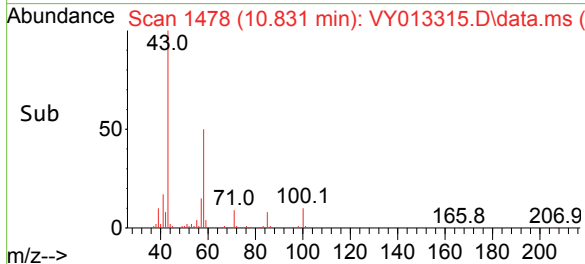
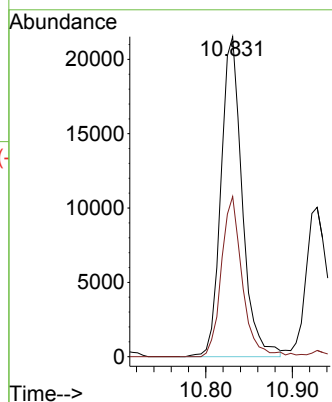
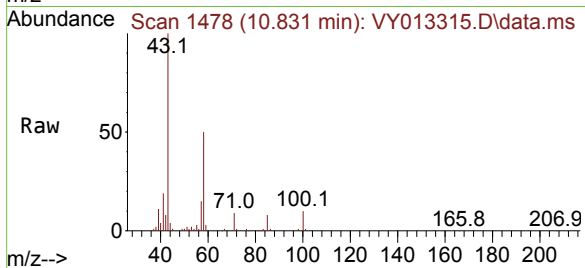
MDL-SOIL-03-QT2-2023

Tgt Ion: 43 Resp: 36580

Ion Ratio Lower Upper

43 100

58 49.7 25.9 77.8



#60

Dibromochloromethane

Concen: 3.977 ug/l

RT: 10.983 min Scan# 1503

Delta R.T. -0.000 min

Lab File: VY013315.D

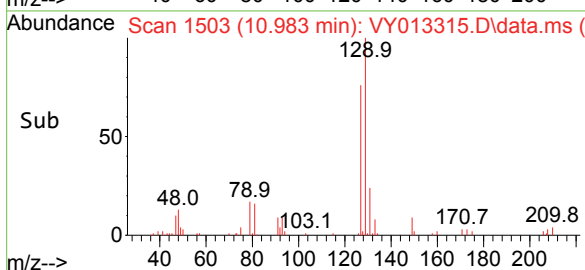
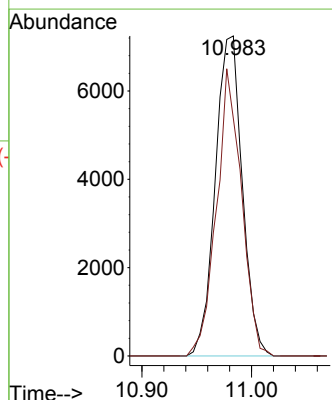
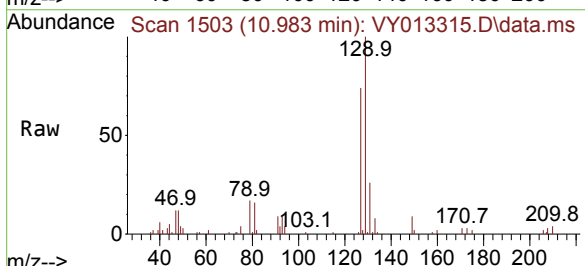
Acq: 14 Apr 2023 13:46

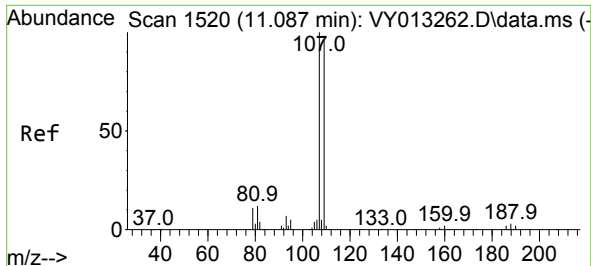
Tgt Ion: 129 Resp: 12400

Ion Ratio Lower Upper

129 100

127 83.1 38.7 116.1

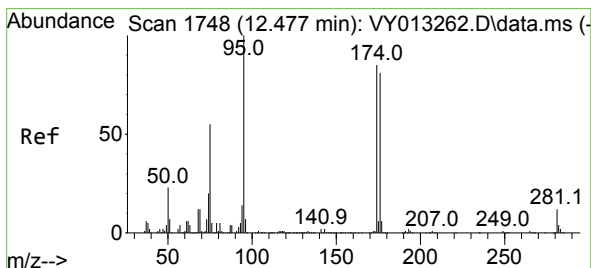
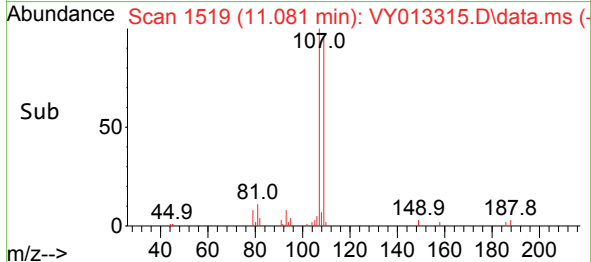
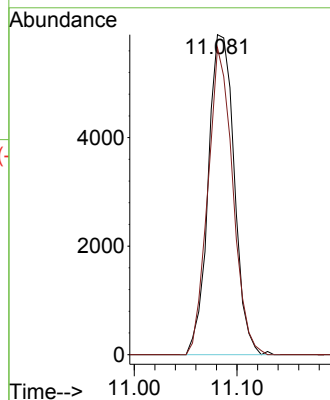
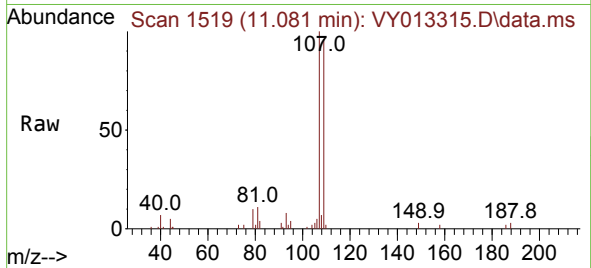




#61
1,2-Dibromoethane
Concen: 4.277 ug/l
RT: 11.081 min Scan# 1519
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

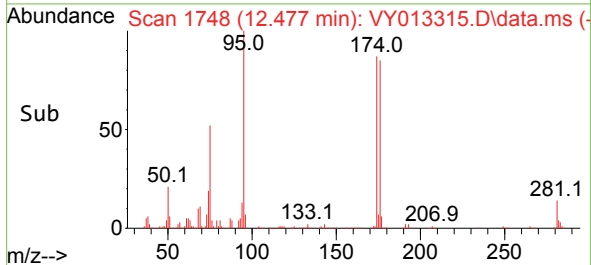
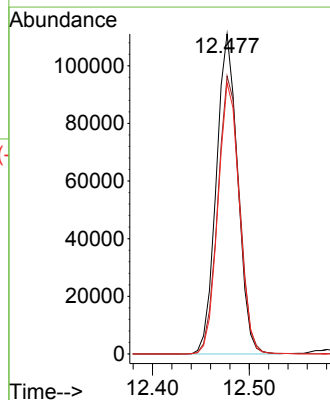
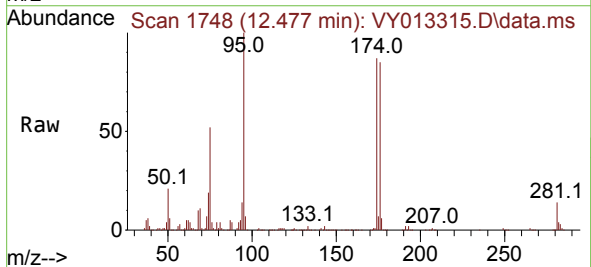
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

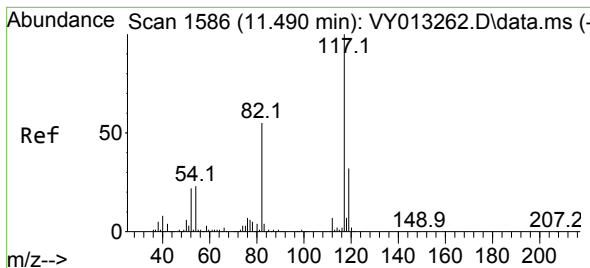
Tgt Ion:107 Resp: 10357
Ion Ratio Lower Upper
107 100
109 92.1 75.0 112.6



#62
4-Bromofluorobenzene
Concen: 51.153 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 95 Resp: 170340
Ion Ratio Lower Upper
95 100
174 88.6 0.0 176.6
176 85.0 0.0 170.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.483 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY013315.D

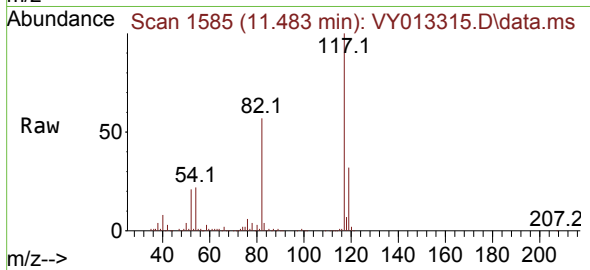
Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023



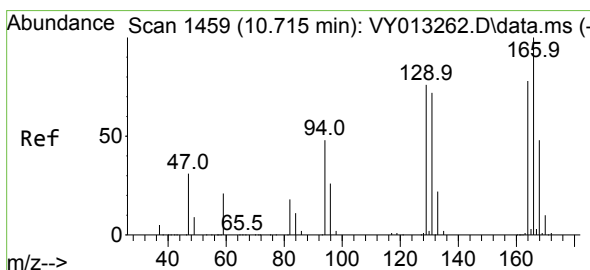
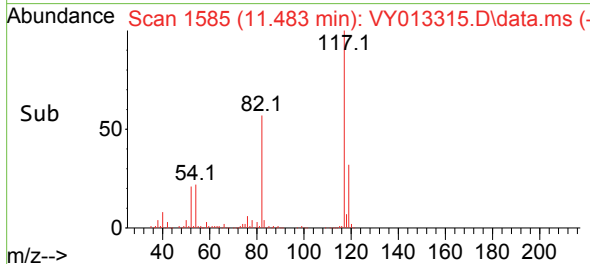
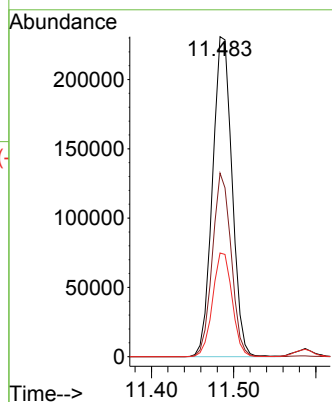
Tgt Ion:117 Resp: 381114

Ion Ratio Lower Upper

117 100

82 57.4 45.4 68.0

119 32.4 25.6 38.4



#64

Tetrachloroethene

Concen: 4.360 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Tgt Ion:164 Resp: 11724

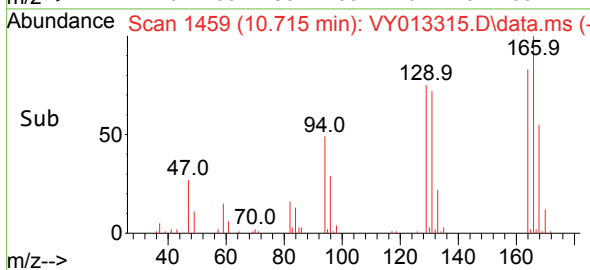
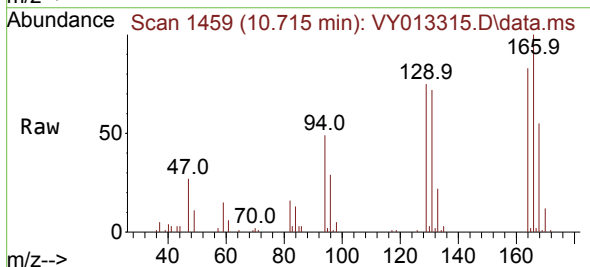
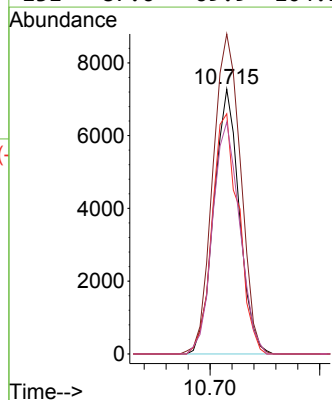
Ion Ratio Lower Upper

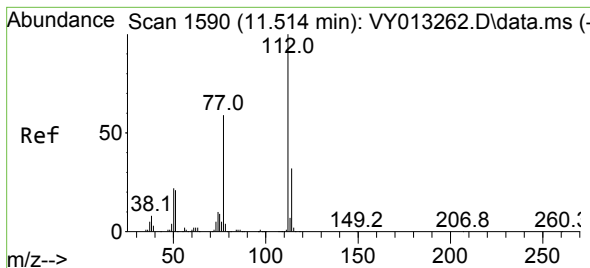
164 100

166 120.8 103.4 155.2

129 90.7 71.4 107.2

131 87.6 69.9 104.9





#65

Chlorobenzene

Concen: 4.124 ug/l

RT: 11.514 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

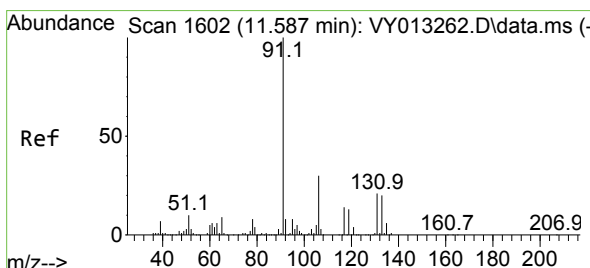
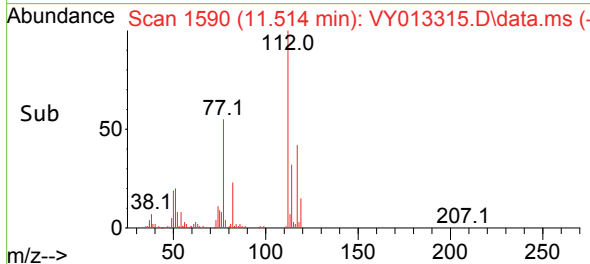
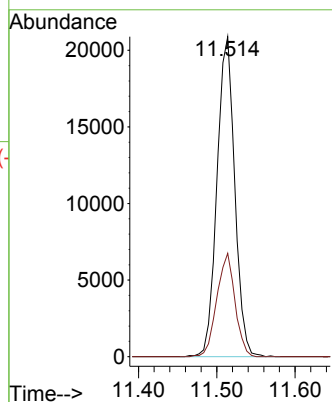
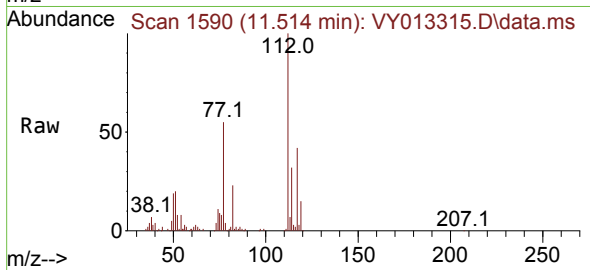
MDL-SOIL-03-QT2-2023

Tgt Ion:112 Resp: 32876

Ion Ratio Lower Upper

112 100

114 32.3 24.5 36.7



#66

1,1,1,2-Tetrachloroethane

Concen: 4.081 ug/l

RT: 11.581 min Scan# 1601

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

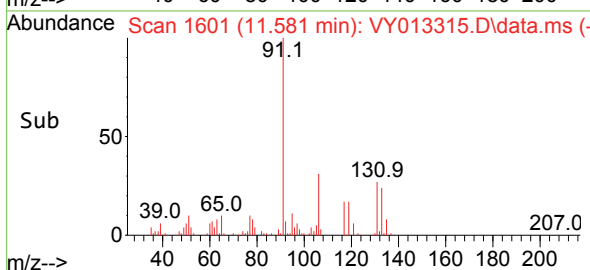
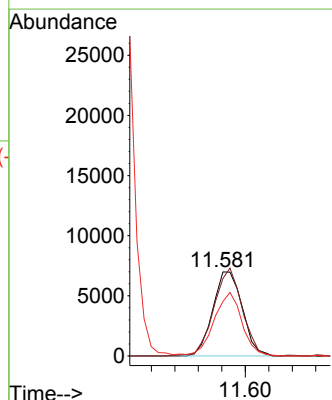
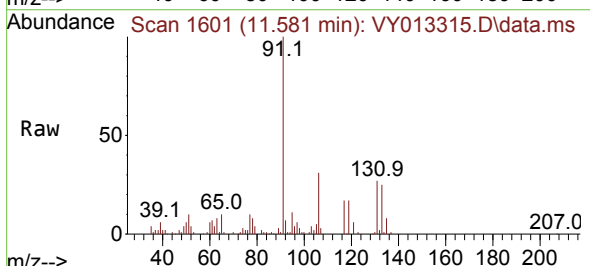
Tgt Ion:131 Resp: 12210

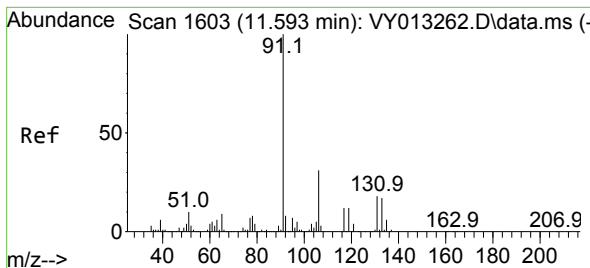
Ion Ratio Lower Upper

131 100

133 100.1 48.0 144.0

119 71.0 32.6 98.0





#67

Ethyl Benzene

Concen: 3.866 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

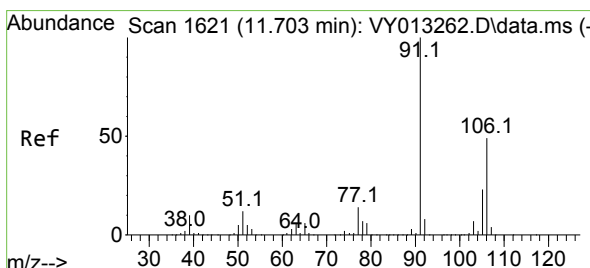
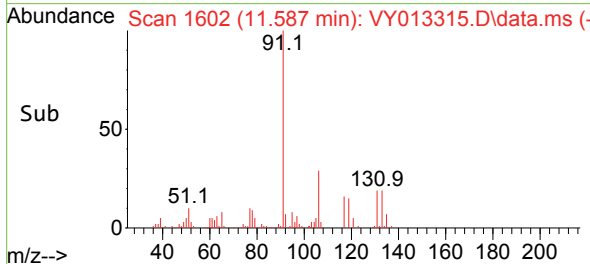
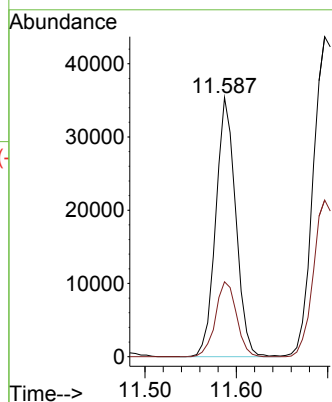
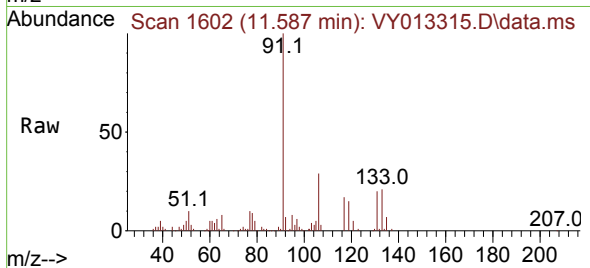
MDL-SOIL-03-QT2-2023

Tgt Ion: 91 Resp: 53680

Ion Ratio Lower Upper

91 100

106 28.9 25.1 37.7



#68

m/p-Xylenes

Concen: 7.587 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY013315.D

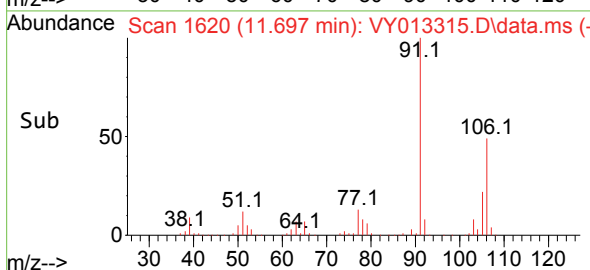
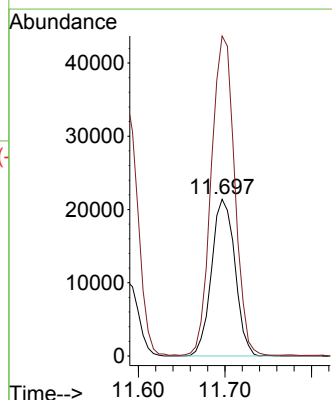
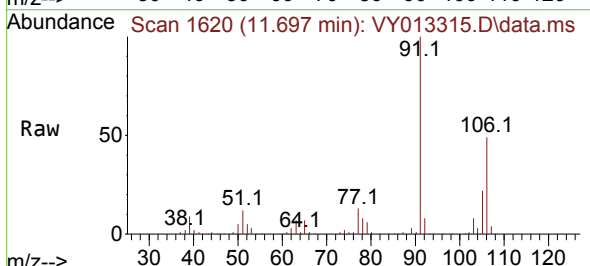
Acq: 14 Apr 2023 13:46

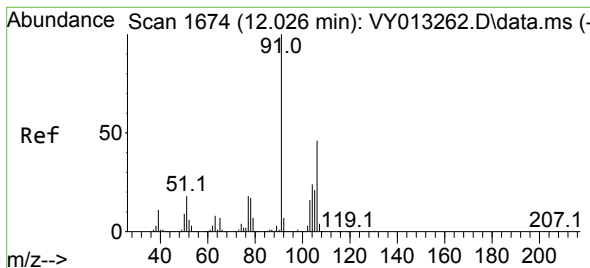
Tgt Ion:106 Resp: 40306

Ion Ratio Lower Upper

106 100

91 202.8 159.8 239.8





#69

o-Xylene

Concen: 3.771 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

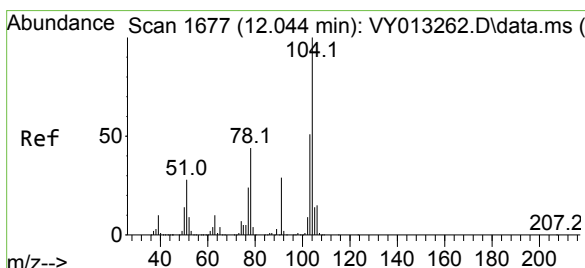
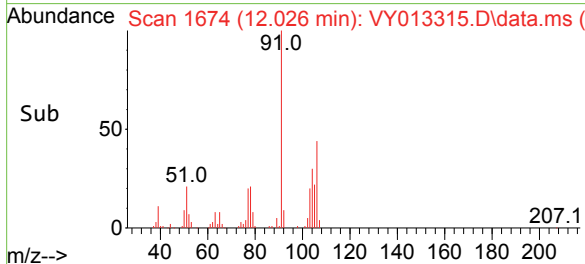
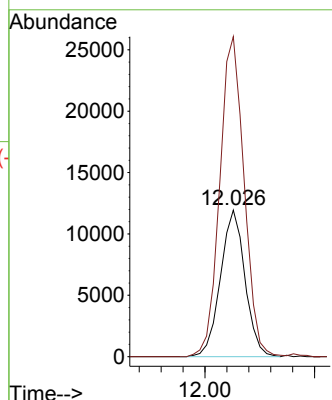
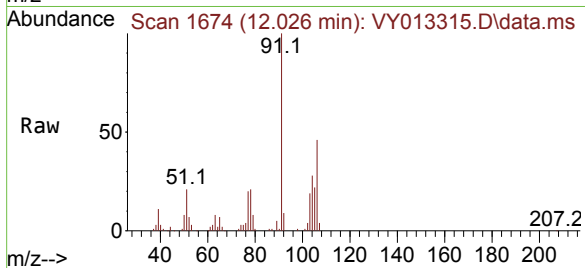
MDL-SOIL-03-QT2-2023

Tgt Ion:106 Resp: 18557

Ion Ratio Lower Upper

106 100

91 216.7 107.2 321.6



#70

Styrene

Concen: 3.639 ug/l

RT: 12.038 min Scan# 1676

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

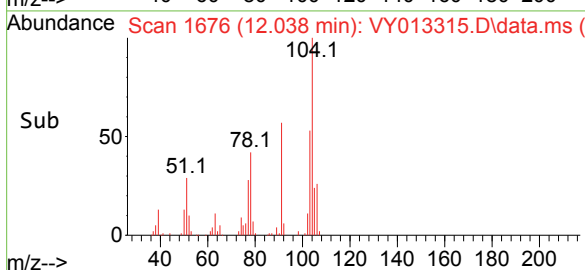
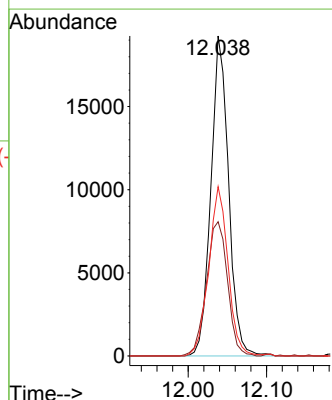
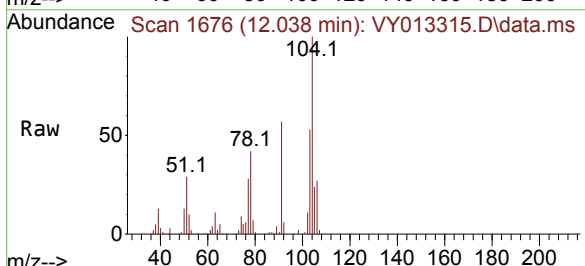
Tgt Ion:104 Resp: 30239

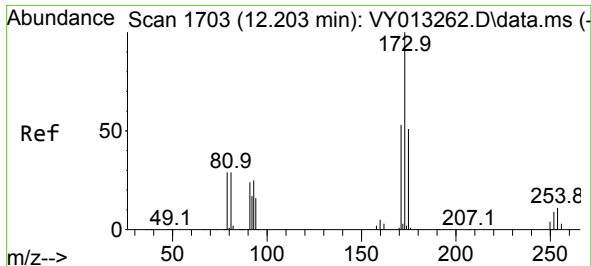
Ion Ratio Lower Upper

104 100

78 49.9 39.2 58.8

103 57.9 43.7 65.5

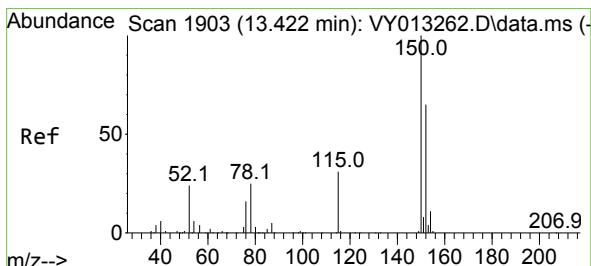
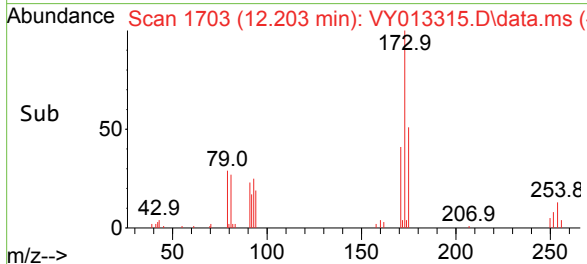
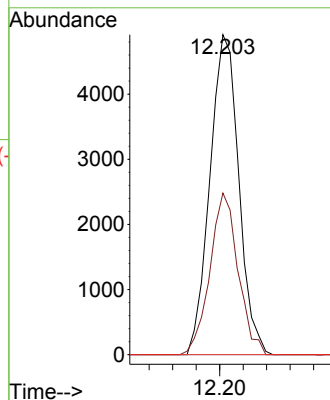
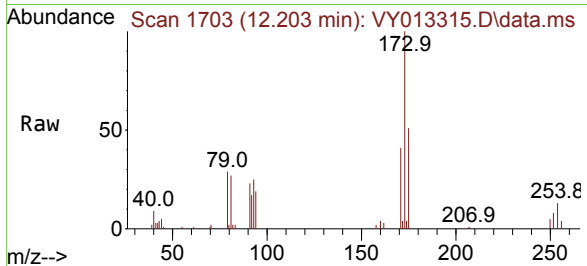




#71
Bromoform
Concen: 4.044 ug/l
RT: 12.203 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

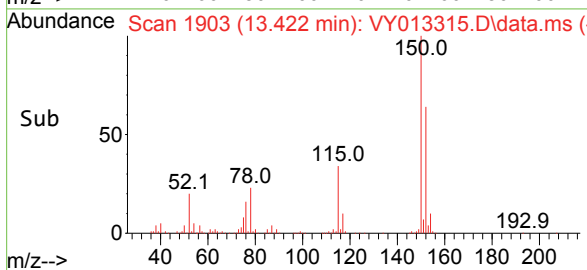
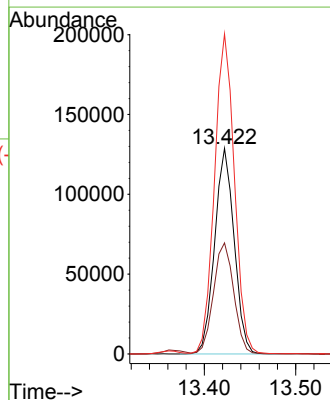
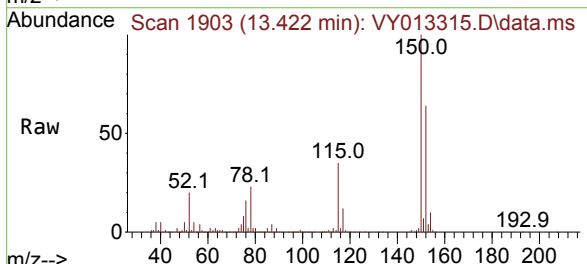
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

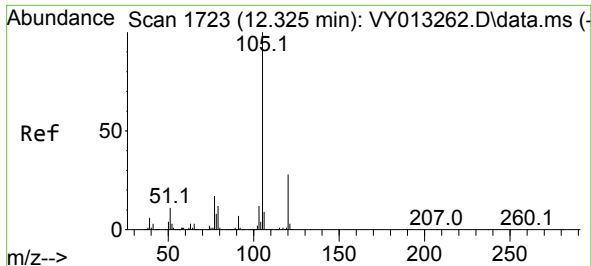
Tgt Ion:173 Resp: 8381
Ion Ratio Lower Upper
173 100
175 49.3 25.0 75.0
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion:152 Resp: 190989
Ion Ratio Lower Upper
152 100
115 55.9 27.1 81.3
150 158.3 0.0 347.8

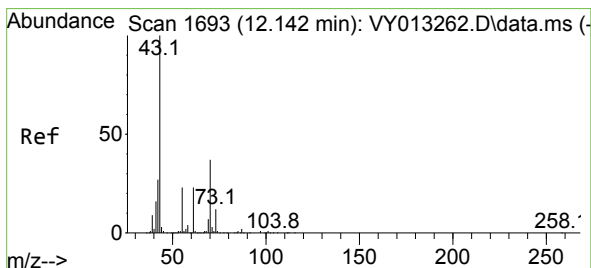
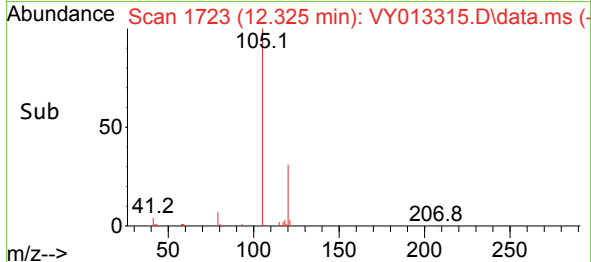
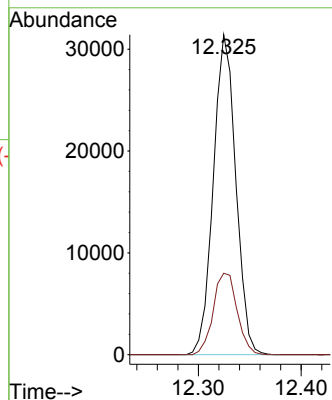
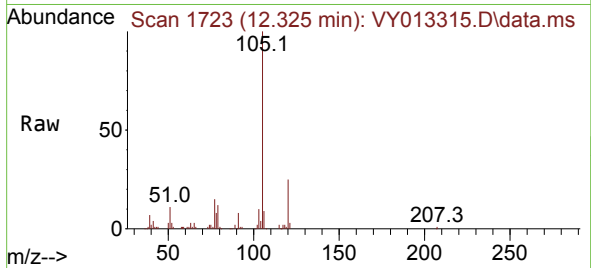




#73
Isopropylbenzene
Concen: 3.646 ug/l
RT: 12.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

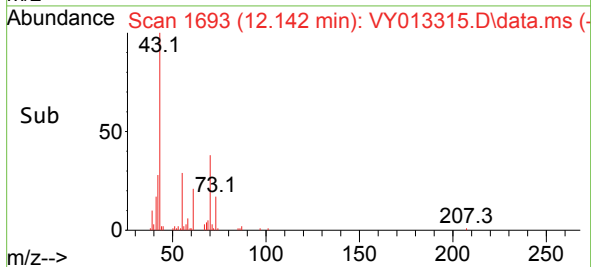
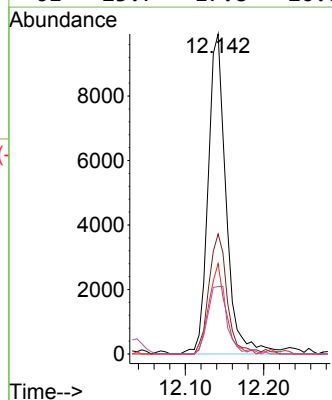
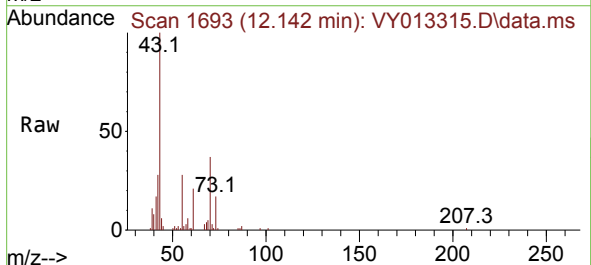
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

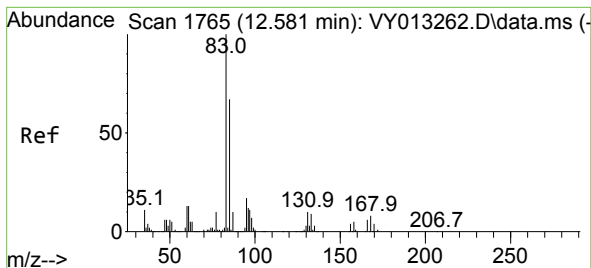
Tgt Ion:105 Resp: 47760
Ion Ratio Lower Upper
105 100
120 27.1 13.4 40.2



#74
N-ethyl acetate
Concen: 3.389 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 43 Resp: 15839
Ion Ratio Lower Upper
43 100
70 37.9 31.6 47.4
55 26.0 18.8 28.2
61 23.7 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 4.048 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

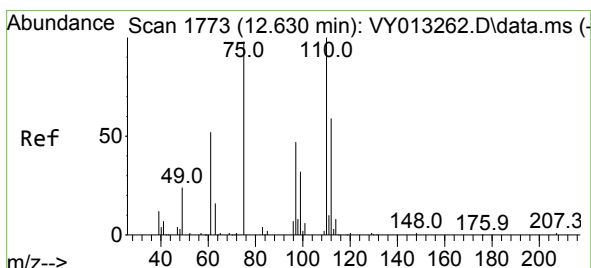
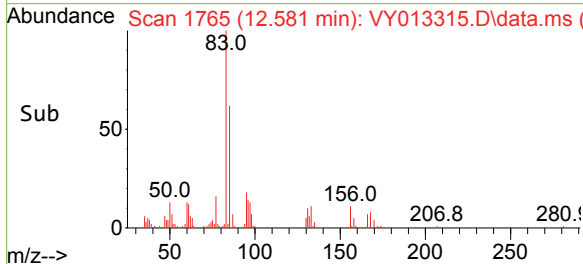
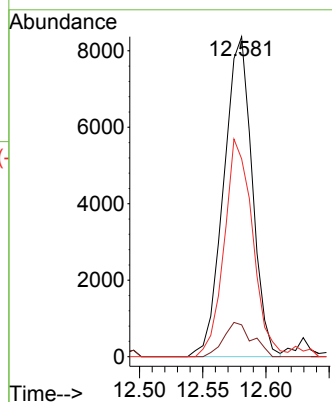
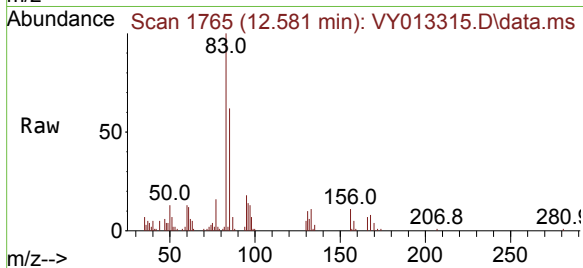
Tgt Ion: 83 Resp: 13100

Ion Ratio Lower Upper

83 100

131 10.7 5.1 15.2

85 67.9 31.8 95.3



#76

1,2,3-Trichloropropane

Concen: 7.007 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY013315.D

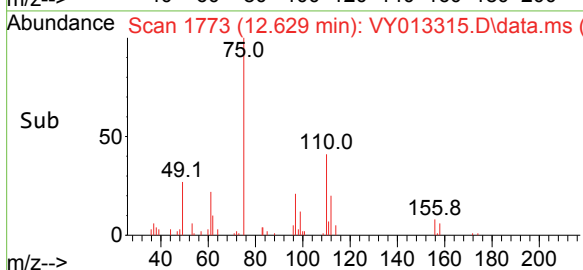
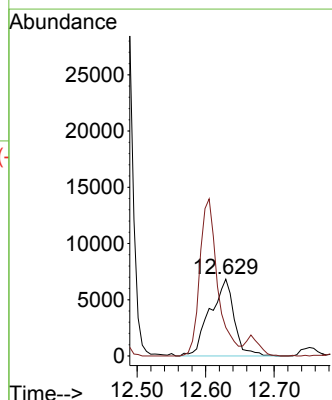
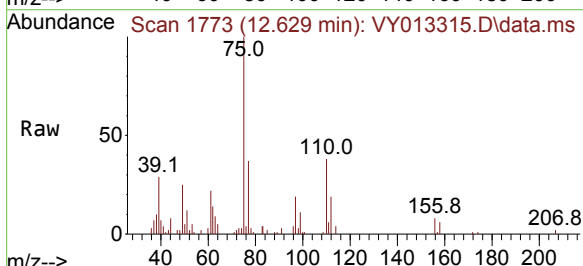
Acq: 14 Apr 2023 13:46

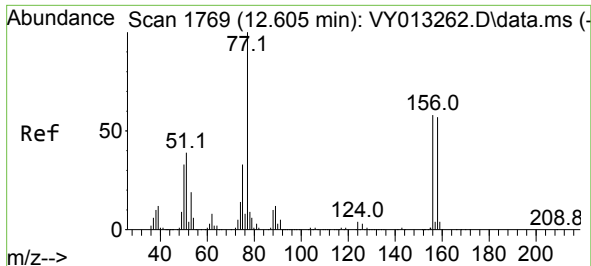
Tgt Ion: 75 Resp: 16676

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

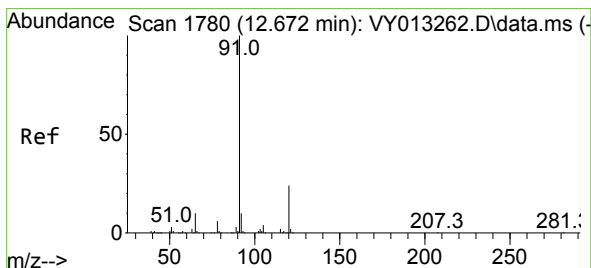
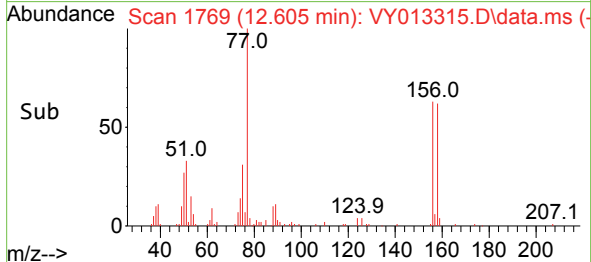
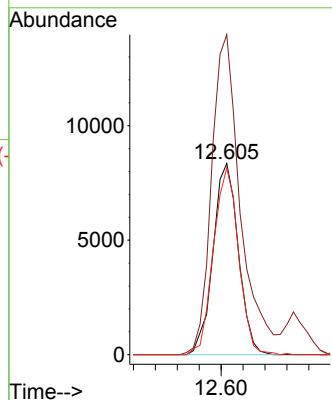
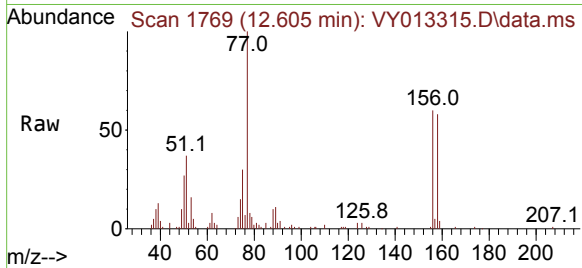




#77
Bromobenzene
Concen: 4.082 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

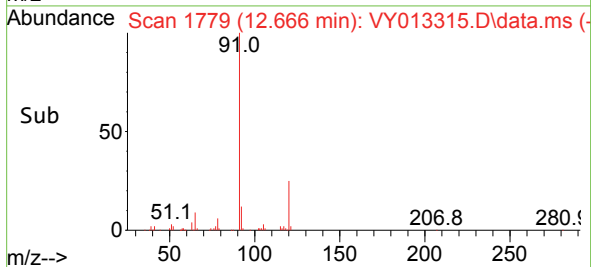
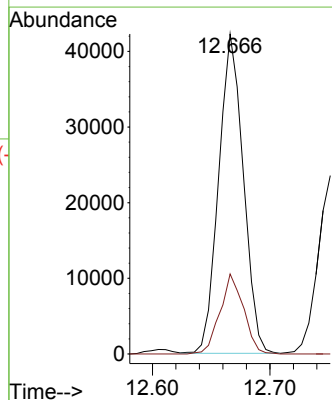
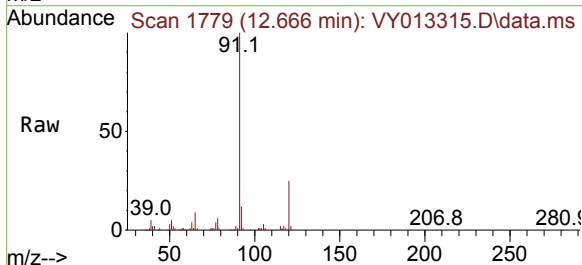
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

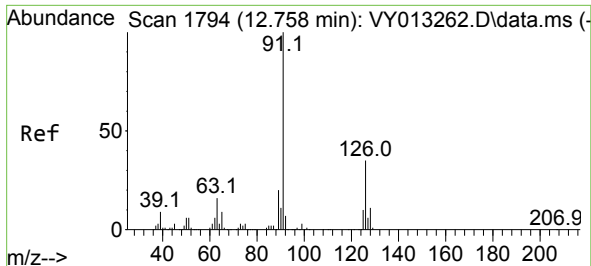
Tgt Ion:156 Resp: 13373
Ion Ratio Lower Upper
156 100
77 189.5 94.0 282.1
158 97.2 48.1 144.4



#78
n-propylbenzene
Concen: 3.809 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 91 Resp: 61635
Ion Ratio Lower Upper
91 100
120 23.9 11.6 34.8

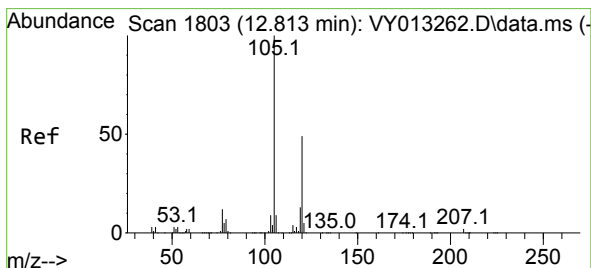
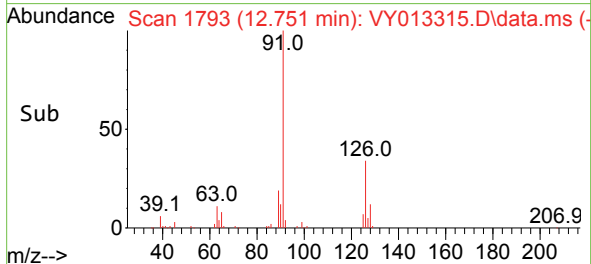
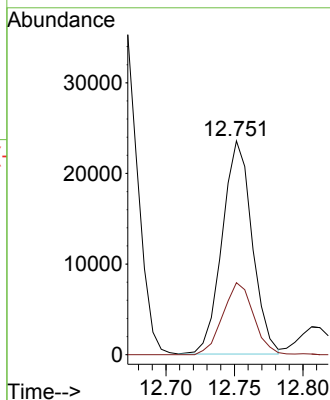
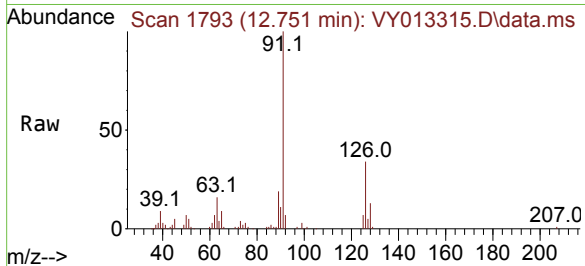




#79
2-Chlorotoluene
Concen: 3.936 ug/l
RT: 12.751 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

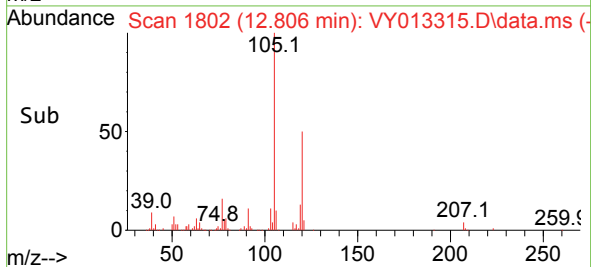
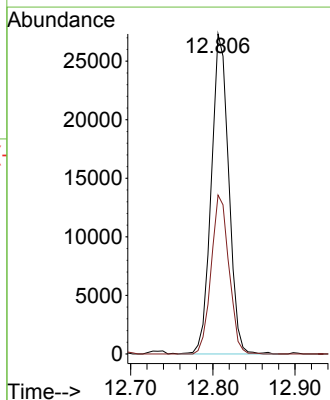
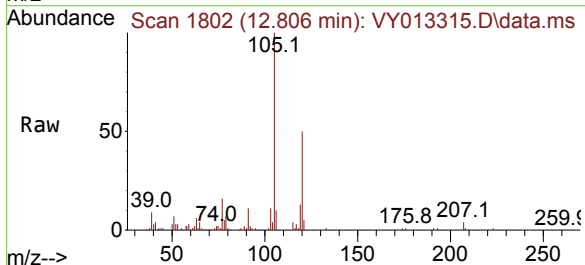
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

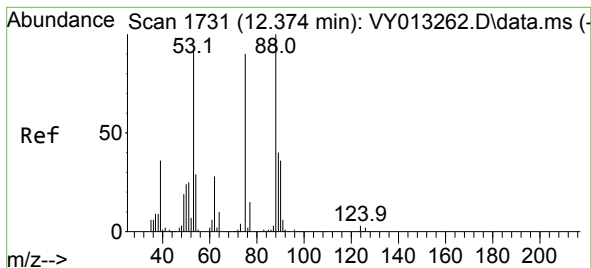
Tgt Ion: 91 Resp: 35845
Ion Ratio Lower Upper
91 100
126 34.8 17.4 52.2



#80
1,3,5-Trimethylbenzene
Concen: 3.662 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 105 Resp: 40180
Ion Ratio Lower Upper
105 100
120 50.6 24.8 74.4

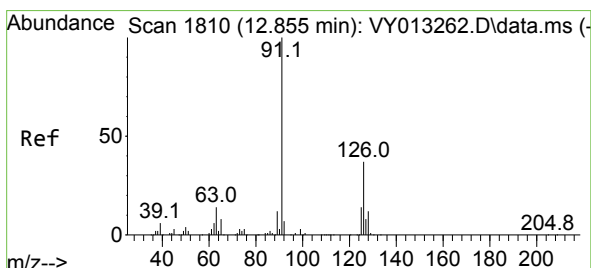
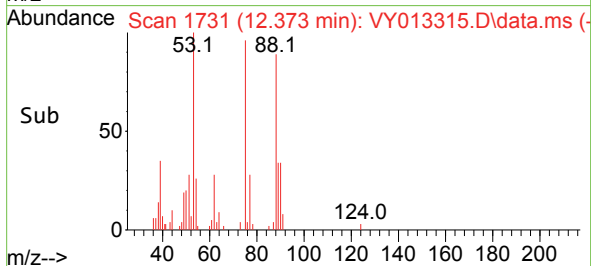
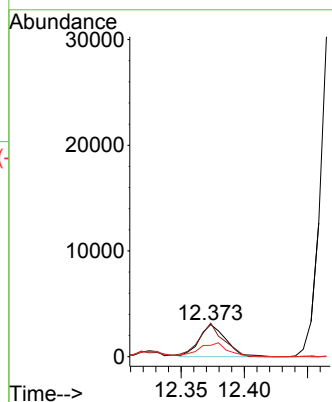
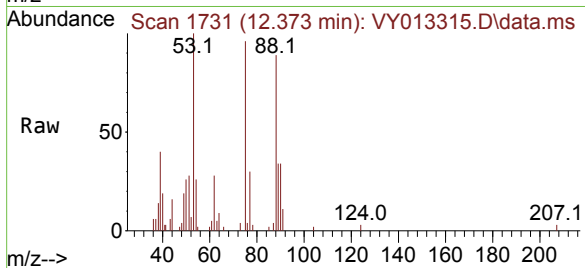




#81
trans-1,4-Dichloro-2-butene
Concen: 3.870 ug/l
RT: 12.373 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

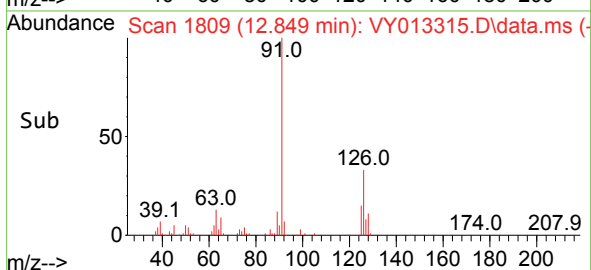
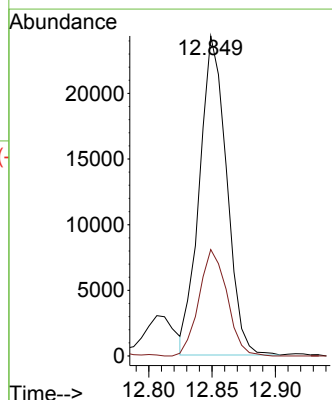
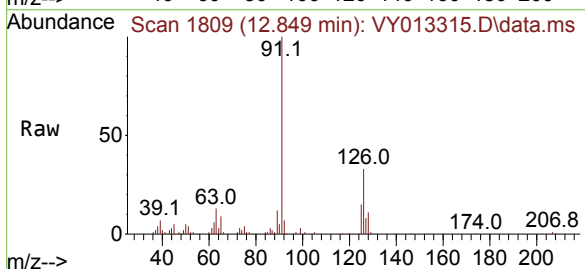
Instrument :
MSVOA_Y
ClientSampleId :
MDL-SOIL-03-QT2-2023

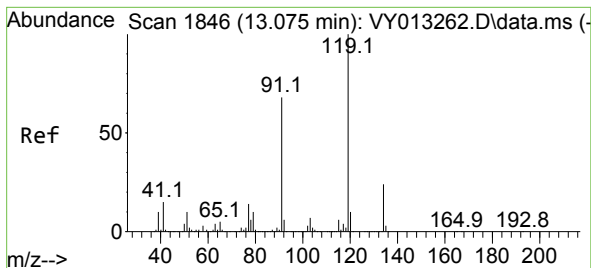
Tgt Ion: 75 Resp: 4437
Ion Ratio Lower Upper
75 100
53 97.0 73.4 110.0
89 46.5 36.6 55.0



#82
4-Chlorotoluene
Concen: 3.788 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VY013315.D
Acq: 14 Apr 2023 13:46

Tgt Ion: 91 Resp: 36368
Ion Ratio Lower Upper
91 100
126 34.4 17.7 53.1





#83

tert-Butylbenzene

Concen: 3.720 ug/l

RT: 13.068 min Scan# 1845

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

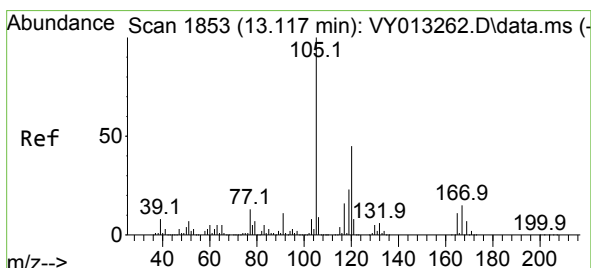
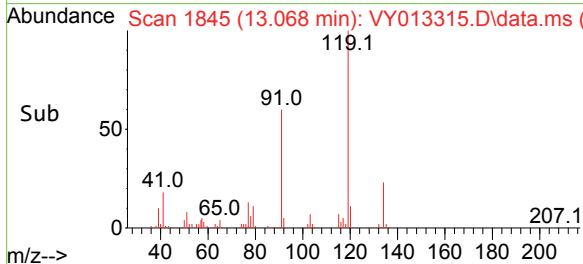
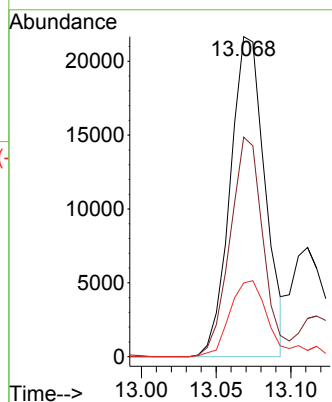
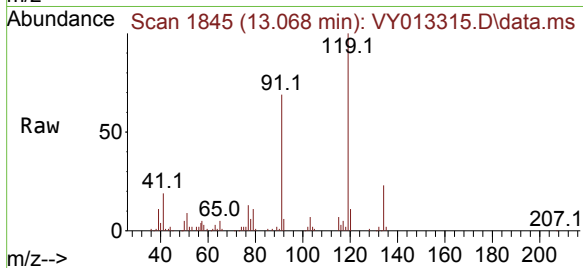
Tgt Ion:119 Resp: 35029

Ion Ratio Lower Upper

119 100

91 65.6 32.8 98.3

134 27.5 13.6 40.8



#84

1,2,4-Trimethylbenzene

Concen: 3.626 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.000 min

Lab File: VY013315.D

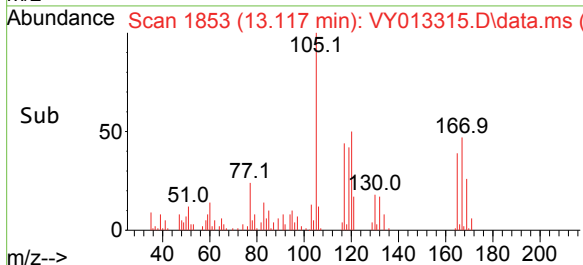
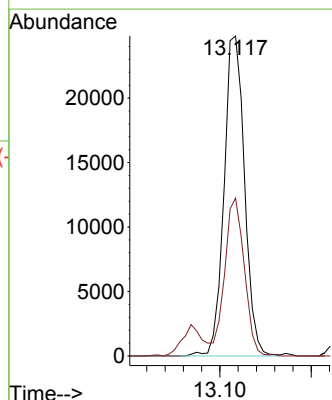
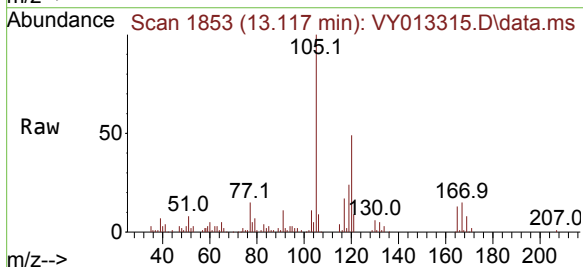
Acq: 14 Apr 2023 13:46

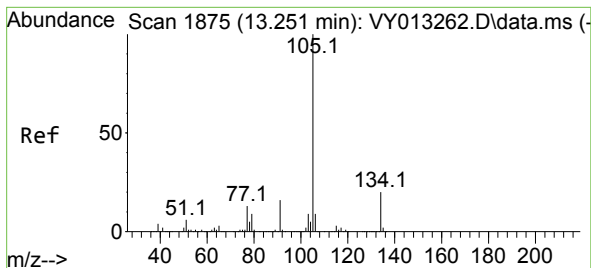
Tgt Ion:105 Resp: 38728

Ion Ratio Lower Upper

105 100

120 47.7 23.0 69.0





#85

sec-Butylbenzene

Concen: 3.809 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

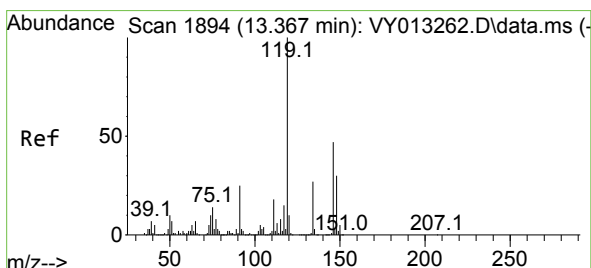
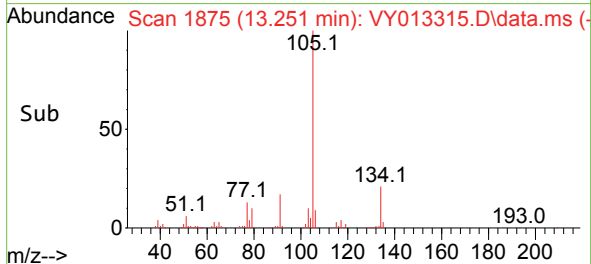
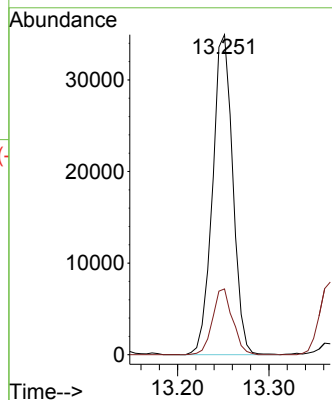
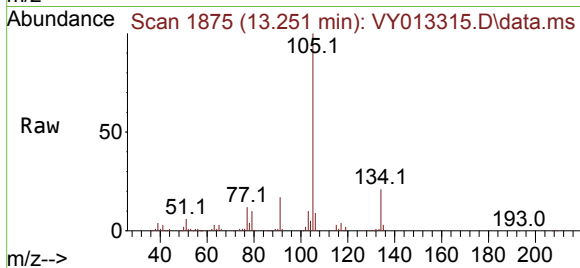
MDL-SOIL-03-QT2-2023

Tgt Ion:105 Resp: 53634

Ion Ratio Lower Upper

105 100

134 20.4 10.4 31.1



#86

p-Isopropyltoluene

Concen: 3.726 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

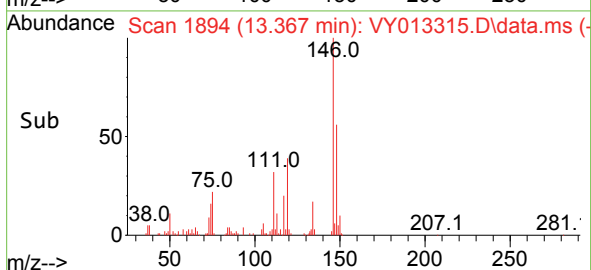
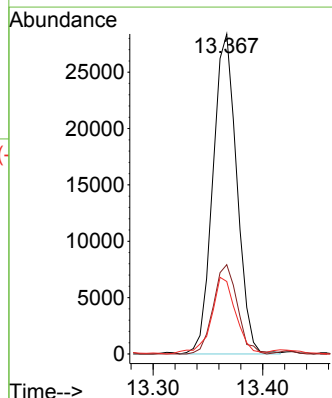
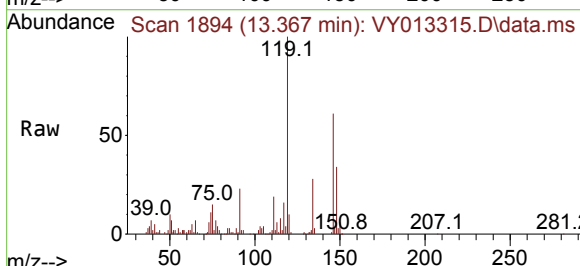
Tgt Ion:119 Resp: 43052

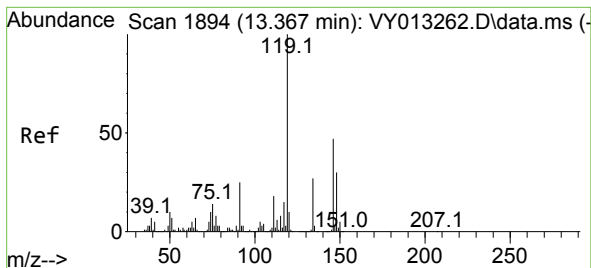
Ion Ratio Lower Upper

119 100

134 27.9 13.2 39.6

91 24.5 11.8 35.3





#87

1,3-Dichlorobenzene

Concen: 4.277 ug/l

RT: 13.367 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

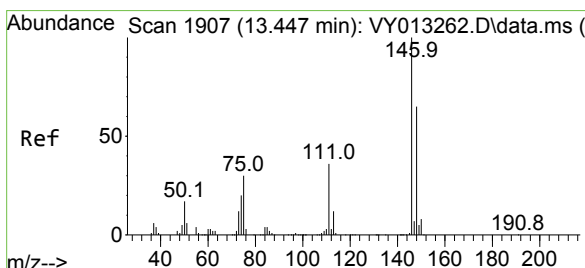
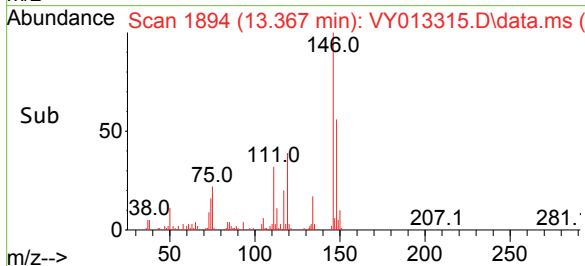
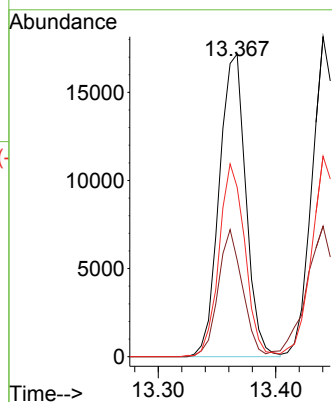
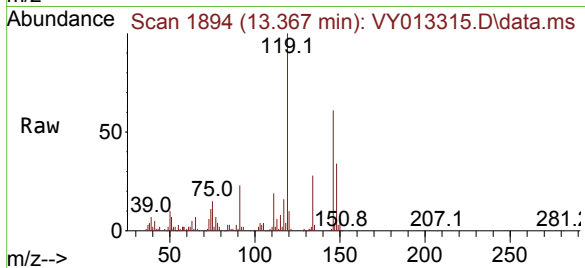
Tgt Ion:146 Resp: 27012

Ion Ratio Lower Upper

146 100

111 38.4 19.1 57.5

148 62.2 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 4.355 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

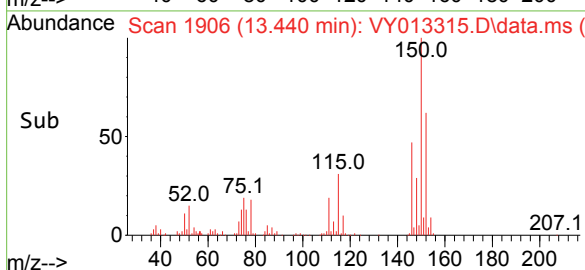
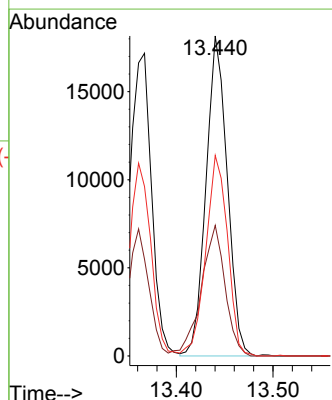
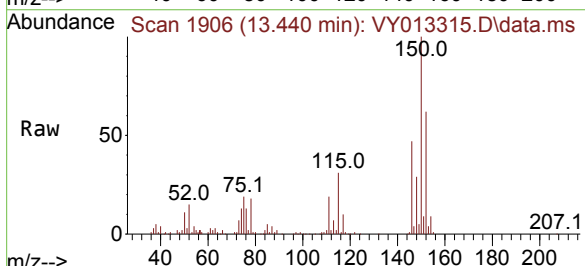
Tgt Ion:146 Resp: 27790

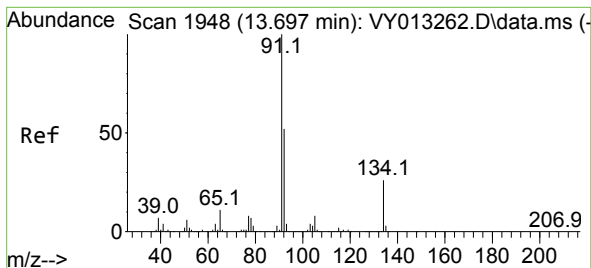
Ion Ratio Lower Upper

146 100

111 46.0 18.6 55.8

148 64.2 31.5 94.5





#89

n-Butylbenzene

Concen: 3.783 ug/l

RT: 13.690 min Scan# 1948

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

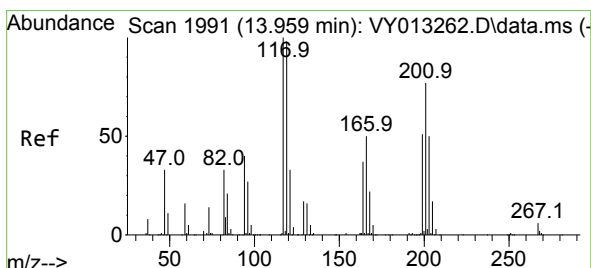
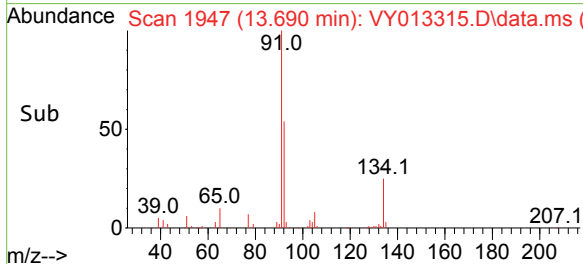
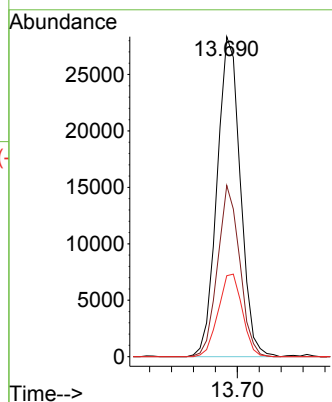
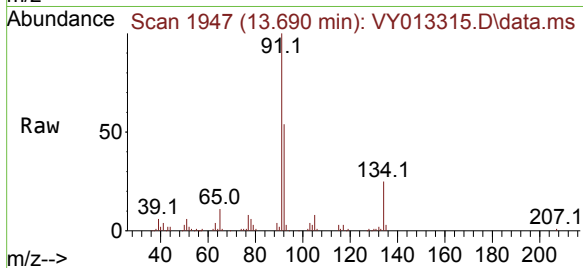
Tgt Ion: 91 Resp: 41806

Ion Ratio Lower Upper

91 100

92 50.9 26.4 79.0

134 26.7 13.0 38.9



#90

Hexachloroethane

Concen: 4.278 ug/l

RT: 13.952 min Scan# 1990

Delta R.T. -0.006 min

Lab File: VY013315.D

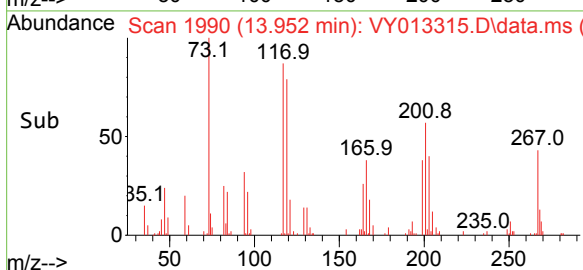
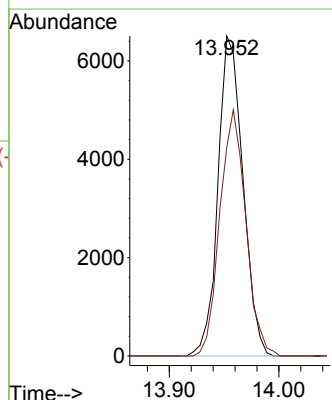
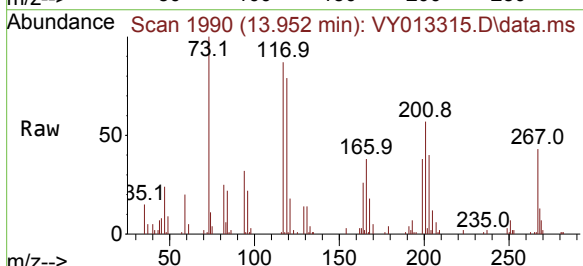
Acq: 14 Apr 2023 13:46

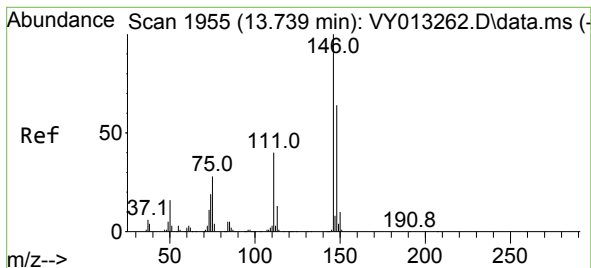
Tgt Ion: 117 Resp: 10306

Ion Ratio Lower Upper

117 100

201 79.8 39.4 118.1





#91

1,2-Dichlorobenzene

Concen: 4.238 ug/l

RT: 13.733 min Scan# 1954

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

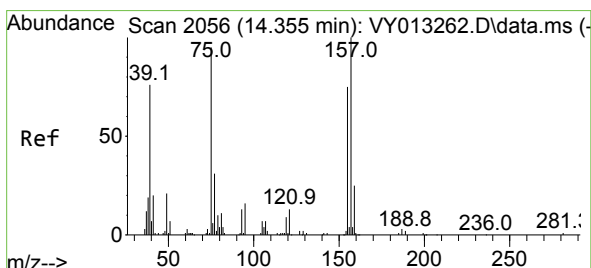
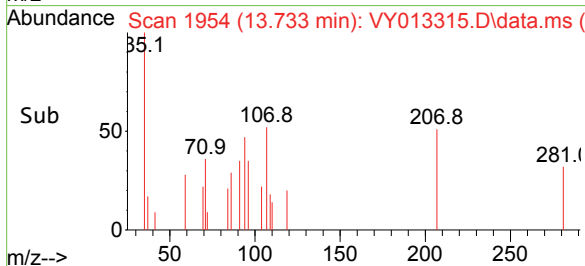
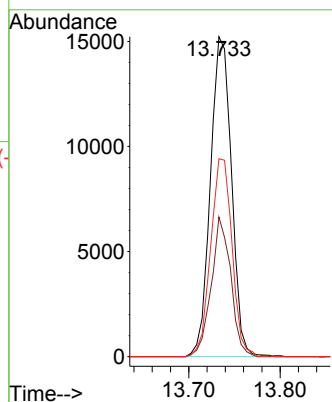
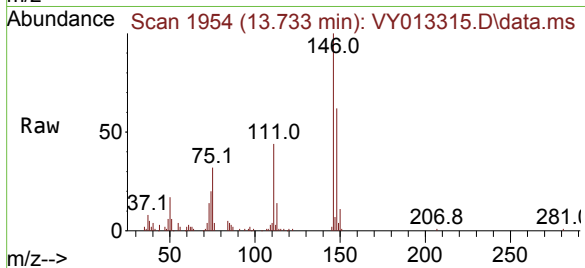
Tgt Ion:146 Resp: 24354

Ion Ratio Lower Upper

146 100

111 40.6 19.7 59.1

148 62.8 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.021 ug/l

RT: 14.349 min Scan# 2055

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

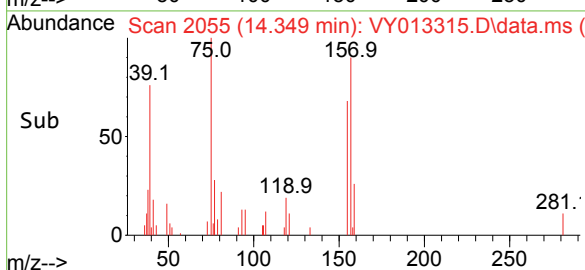
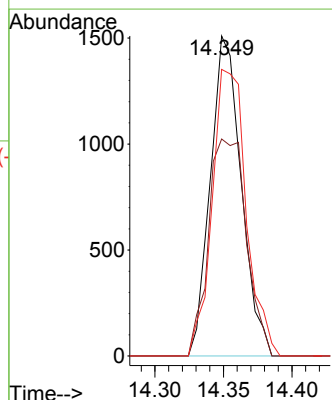
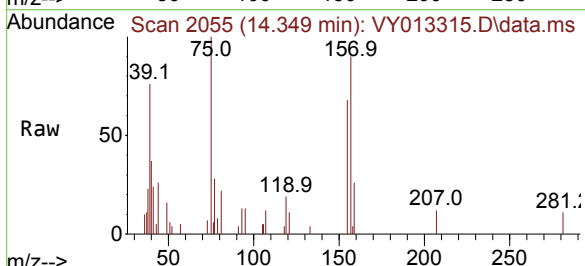
Tgt Ion: 75 Resp: 2363

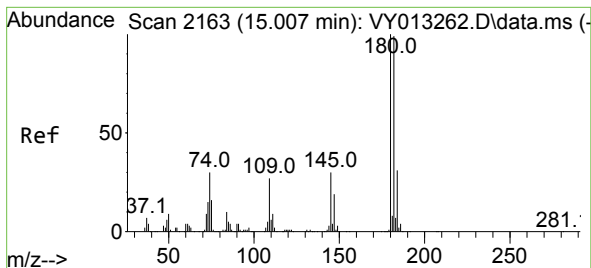
Ion Ratio Lower Upper

75 100

155 83.3 43.8 131.4

157 98.9 54.1 162.3





#93

1,2,4-Trichlorobenzene

Concen: 4.116 ug/l

RT: 15.001 min Scan# 2162

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

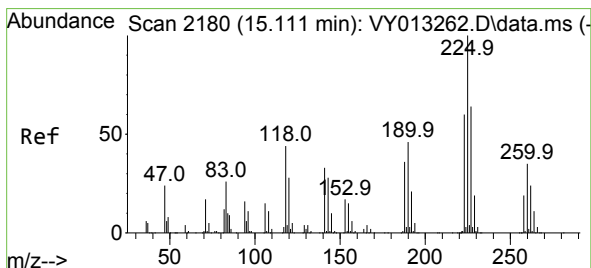
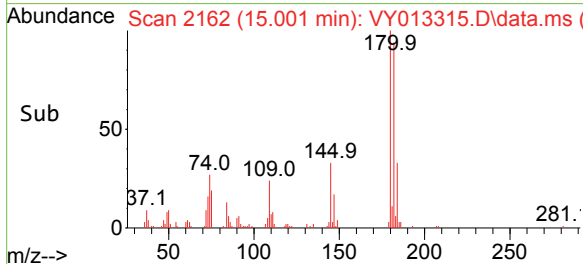
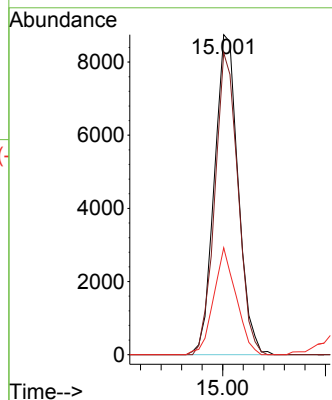
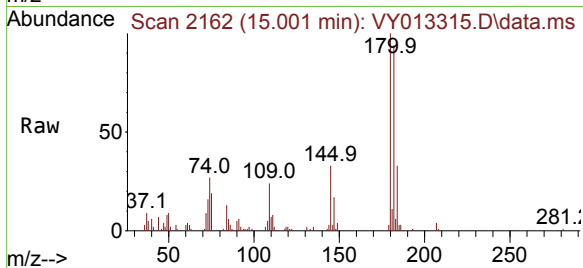
Tgt Ion:180 Resp: 14058

Ion Ratio Lower Upper

180 100

182 91.5 46.7 140.1

145 31.7 14.6 43.8



#94

Hexachlorobutadiene

Concen: 4.666 ug/l

RT: 15.105 min Scan# 2179

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

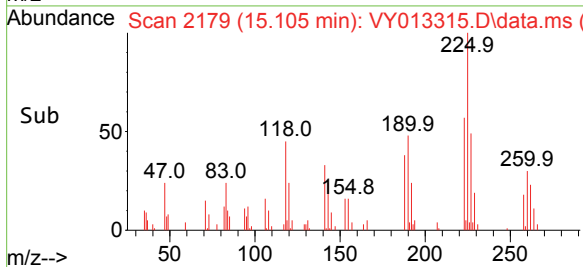
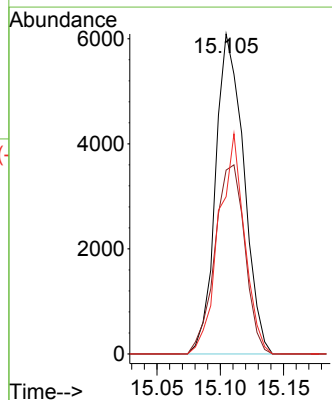
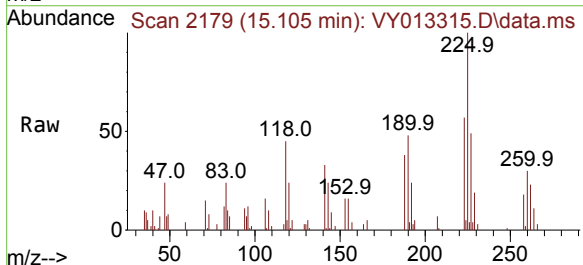
Tgt Ion:225 Resp: 9436

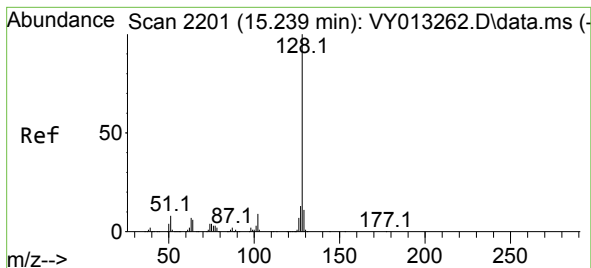
Ion Ratio Lower Upper

225 100

223 63.0 31.1 93.3

227 63.0 32.4 97.0





#95

Naphthalene

Concen: 6.233 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Instrument :

MSVOA_Y

ClientSampleId :

MDL-SOIL-03-QT2-2023

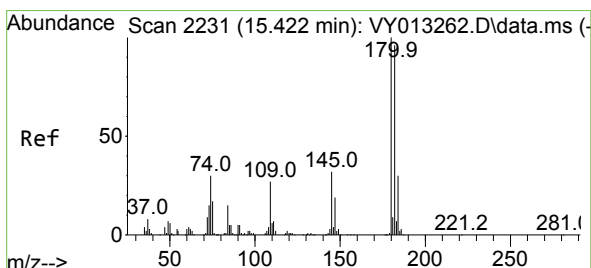
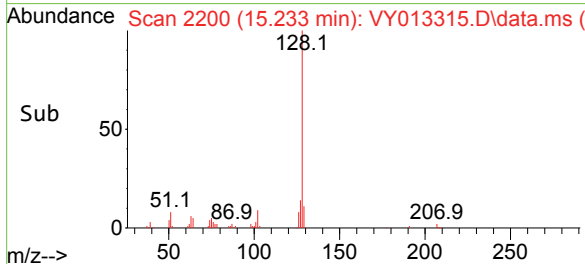
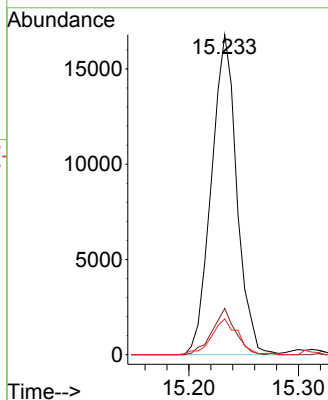
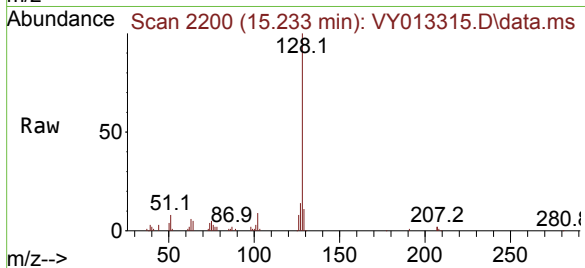
Tgt Ion:128 Resp: 27100

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

129 11.7 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 4.045 ug/l

RT: 15.416 min Scan# 2230

Delta R.T. -0.006 min

Lab File: VY013315.D

Acq: 14 Apr 2023 13:46

Tgt Ion:180 Resp: 12588

Ion Ratio Lower Upper

180 100

182 94.8 47.4 142.3

145 32.1 15.3 45.8

