

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014642.D
 Acq On : 14 Jul 2023 13:04
 Operator : SY/MD
 Sample : 03572-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Quant Time: Jul 14 23:07:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	302015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	502150	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.484	117	445408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	216108	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	168230	48.882	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.760%
35) Dibromofluoromethane	7.710	113	154130	48.217	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.440%
50) Toluene-d8	10.173	98	564897	47.933	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.477	95	211869	46.886	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.780%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	6861	2.788	ug/l	94
3) Chloromethane	2.107	50	8073	2.919	ug/l	100
4) Vinyl Chloride	2.241	62	8273	2.676	ug/l	99
5) Bromomethane	2.638	94	7231	3.540	ug/l	95
6) Chloroethane	2.778	64	5225	2.706	ug/l	91
7) Trichlorofluoromethane	3.113	101	13289	2.560	ug/l	100
8) Diethyl Ether	3.522	74	5022	2.600	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.887	101	7999	2.514	ug/l	96
10) Methyl Iodide	4.076	142	6752	4.276	ug/l	96
11) Tert butyl alcohol	4.918	59	34422	36.107	ug/l #	91
12) 1,1-Dichloroethene	3.863	96	7766	2.611	ug/l	88
13) Acrolein	3.723	56	3653	10.155	ug/l	85
14) Allyl chloride	4.466	41	12757	2.416	ug/l	94
15) Acrylonitrile	5.155	53	15309	14.372	ug/l	98
16) Acetone	3.948	43	16949	15.541	ug/l	99
17) Carbon Disulfide	4.180	76	19156	2.250	ug/l #	94
18) Methyl Acetate	4.473	43	13955	3.334	ug/l #	90
19) Methyl tert-butyl Ether	5.210	73	25587	2.649	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	8633	2.558	ug/l	93
22) Diisopropyl ether	6.119	45	27083	2.523	ug/l #	89
23) Vinyl Acetate	6.052	43	73071	11.373	ug/l	99
24) 1,1-Dichloroethane	6.009	63	15787	2.570	ug/l #	91
25) 2-Butanone	6.978	43	25847	16.200	ug/l	97
26) 2,2-Dichloropropane	6.978	77	20133	3.439	ug/l	90
27) cis-1,2-Dichloroethene	6.978	96	10546	2.684	ug/l	92
28) Bromochloromethane	7.326	49	6190	2.340	ug/l	97
29) Tetrahydrofuran	7.344	42	14507	14.766	ug/l	95
30) Chloroform	7.503	83	16602	2.621	ug/l	95
31) Cyclohexane	7.777	56	18983	3.323	ug/l #	54
32) 1,1,1-Trichloroethane	7.698	97	15011	2.633	ug/l	94
36) 1,1-Dichloropropene	7.911	75	11576	2.422	ug/l	96
37) Ethyl Acetate	7.064	43	8980	2.728	ug/l #	84
38) Carbon Tetrachloride	7.893	117	12700	2.513	ug/l	99
39) Methylcyclohexane	9.179	83	15530	2.494	ug/l	99
40) Benzene	8.155	78	34560	2.542	ug/l	95
41) Methacrylonitrile	7.301	41	3456	2.041	ug/l #	75

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 1,2-Dichloroethane	8.228	62	11373	2.642	ug/l	88
43) Isopropyl Acetate	8.271	43	16397	2.615	ug/l	92
44) Trichloroethene	8.929	130	9864	2.593	ug/l	89
45) 1,2-Dichloropropane	9.210	63	9251	2.606	ug/l	99
46) Dibromomethane	9.301	93	5791	2.689	ug/l	94
47) Bromodichloromethane	9.490	83	13055	2.572	ug/l	96
48) Methyl methacrylate	9.289	41	6652	2.358	ug/l #	87
49) 1,4-Dioxane	9.289	88	1754	49.946	ug/l #	36
51) 4-Methyl-2-Pentanone	10.063	43	45851	13.929	ug/l	92
52) Toluene	10.240	92	22489	2.585	ug/l	93
53) t-1,3-Dichloropropene	10.459	75	14024	2.526	ug/l	96
54) cis-1,3-Dichloropropene	9.923	75	15153	2.510	ug/l	95
55) 1,1,2-Trichloroethane	10.642	97	8274	2.758	ug/l	94
56) Ethyl methacrylate	10.508	69	12098	2.641	ug/l	90
57) 1,3-Dichloropropane	10.789	76	13894	2.685	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.777	63	22532	10.557	ug/l	94
59) 2-Hexanone	10.831	43	32670	13.609	ug/l	90
60) Dibromochloromethane	10.977	129	9515	2.587	ug/l	99
61) 1,2-Dibromoethane	11.081	107	8169	2.730	ug/l	99
64) Tetrachloroethene	10.715	164	10051	2.806	ug/l	88
65) Chlorobenzene	11.514	112	24904	2.624	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.587	131	8963	2.505	ug/l	94
67) Ethyl Benzene	11.587	91	44768	2.612	ug/l	99
68) m/p-Xylenes	11.697	106	33839	5.173	ug/l	99
69) o-Xylene	12.026	106	16738	2.627	ug/l	99
70) Styrene	12.044	104	27981	2.606	ug/l	97
71) Bromoform	12.209	173	6231	2.569	ug/l #	97
73) Isopropylbenzene	12.325	105	44239	2.614	ug/l	99
74) N-amyl acetate	12.142	43	14040	2.477	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.581	83	10630	2.755	ug/l	93
76) 1,2,3-Trichloropropane	12.630	75	13784	5.050	ug/l #	100
77) Bromobenzene	12.605	156	9929	2.571	ug/l	89
78) n-propylbenzene	12.666	91	52275	2.564	ug/l	99
79) 2-Chlorotoluene	12.752	91	29962	2.551	ug/l	98
80) 1,3,5-Trimethylbenzene	12.806	105	37445	2.650	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.374	75	3601	2.554	ug/l	96
82) 4-Chlorotoluene	12.849	91	30557	2.526	ug/l	99
83) tert-Butylbenzene	13.069	119	32409	2.585	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	36513	2.633	ug/l	99
85) sec-Butylbenzene	13.251	105	47500	2.583	ug/l	99
86) p-Isopropyltoluene	13.367	119	38841	2.587	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	20244	2.693	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	20663	2.743	ug/l	88
89) n-Butylbenzene	13.690	91	37029	2.535	ug/l	97
90) Hexachloroethane	13.959	117	7872	2.553	ug/l	84
91) 1,2-Dichlorobenzene	13.733	146	17909	2.600	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	2278	3.087	ug/l	93
93) 1,2,4-Trichlorobenzene	15.001	180	11857	2.712	ug/l	98
94) Hexachlorobutadiene	15.105	225	6429	2.676	ug/l	96
95) Naphthalene	15.233	128	29313	2.878	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	10645	2.740	ug/l	99

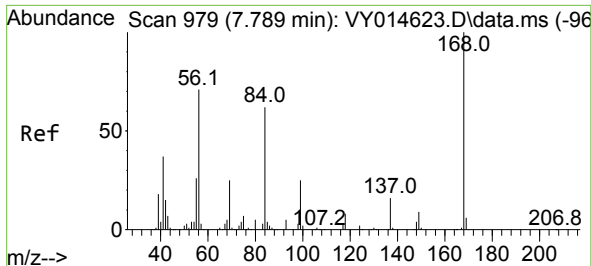
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

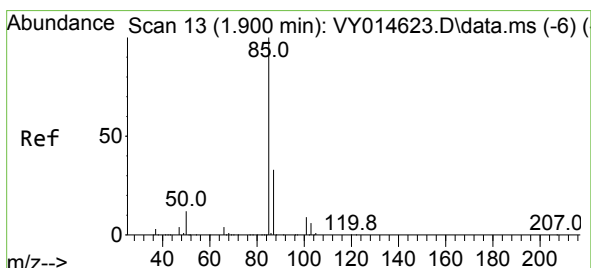
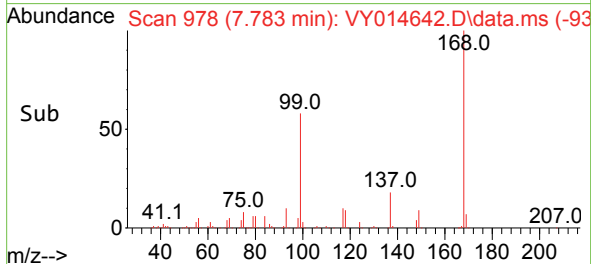
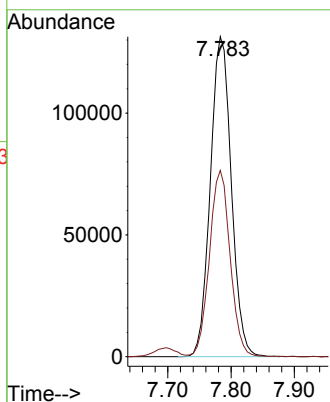
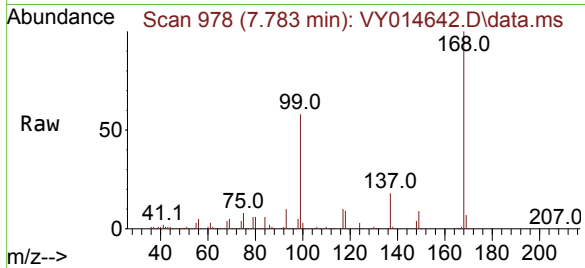
(#)=qualifier out of range (m)=manual integration (+)=signals summed						



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014642.D
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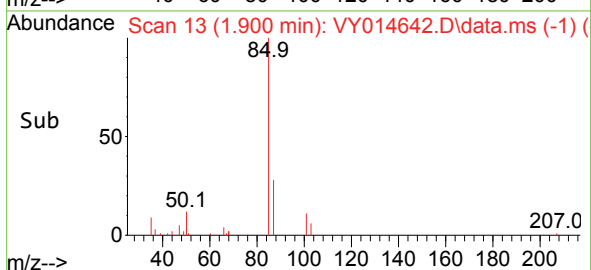
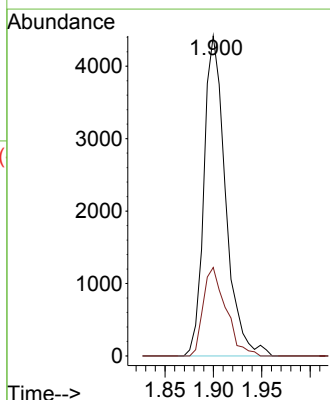
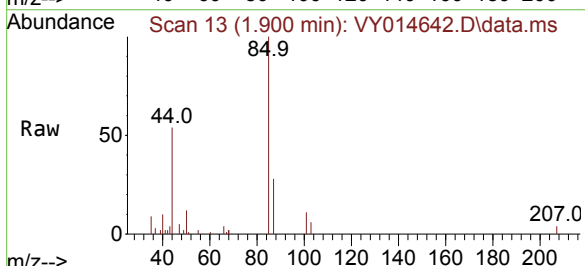
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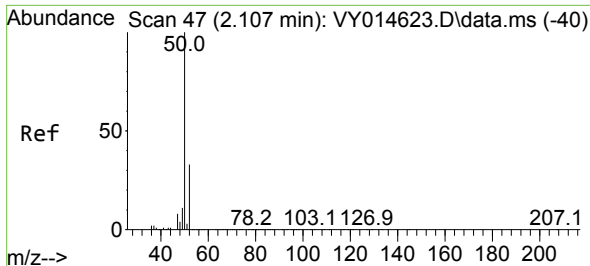
Tgt Ion:168 Resp: 302015
Ion Ratio Lower Upper
168 100
99 58.1 43.4 65.0



#2
Dichlorodifluoromethane
Concen: 2.788 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 85 Resp: 6861
Ion Ratio Lower Upper
85 100
87 27.6 15.6 46.8

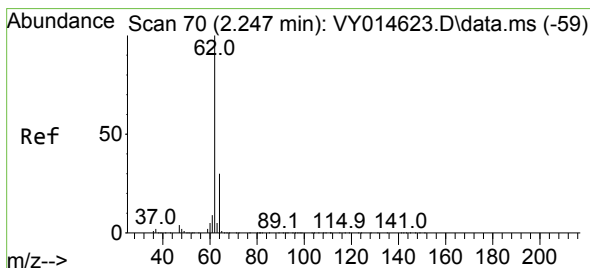
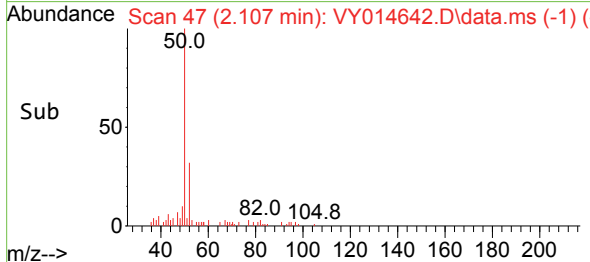
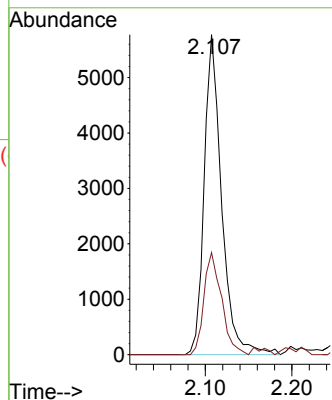
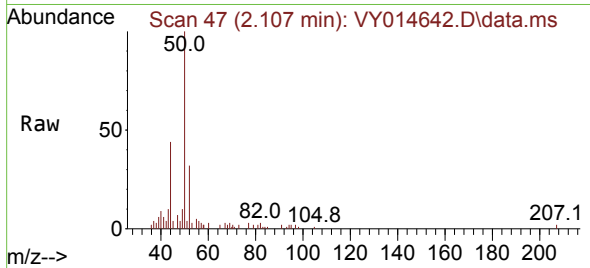




#3
Chloromethane
Concen: 2.919 ug/l
RT: 2.107 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

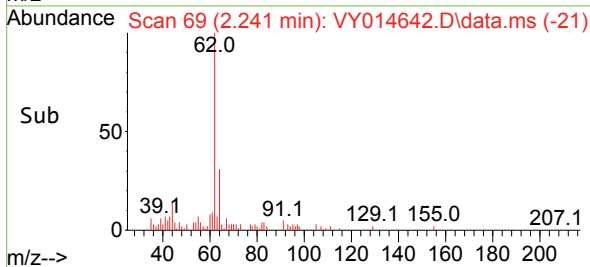
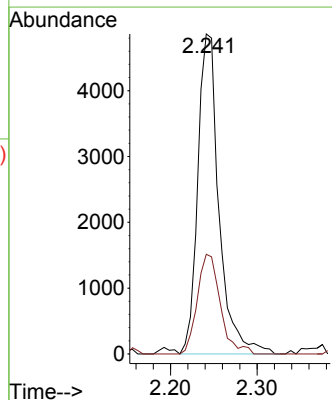
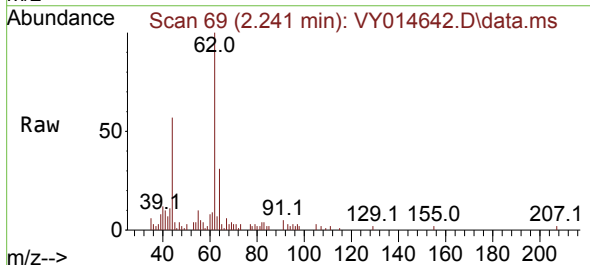
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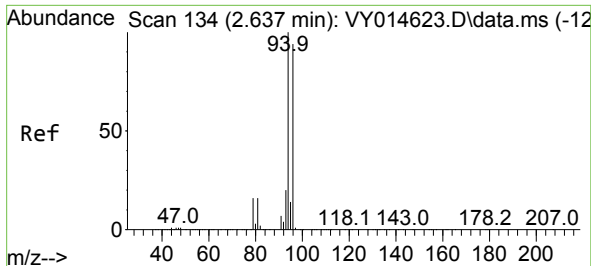
Tgt Ion: 50 Resp: 8073
Ion Ratio Lower Upper
50 100
52 31.9 25.4 38.2



#4
Vinyl Chloride
Concen: 2.676 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 62 Resp: 8273
Ion Ratio Lower Upper
62 100
64 31.1 24.3 36.5

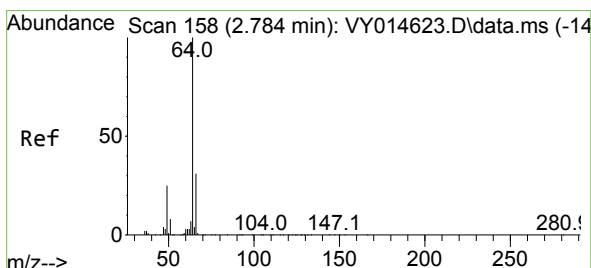
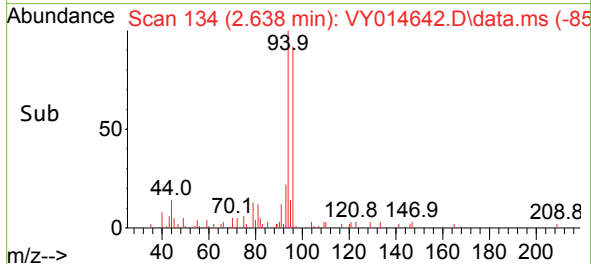
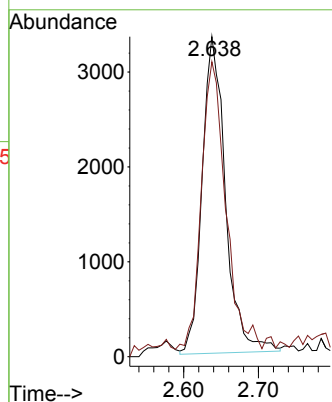
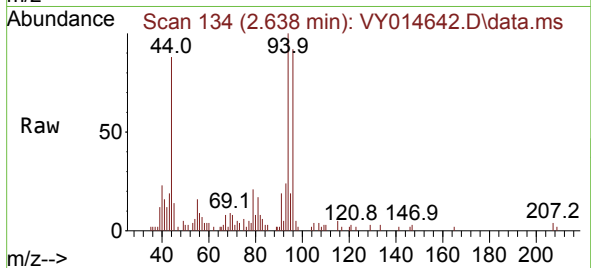




#5
Bromomethane
Concen: 3.540 ug/l
RT: 2.638 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

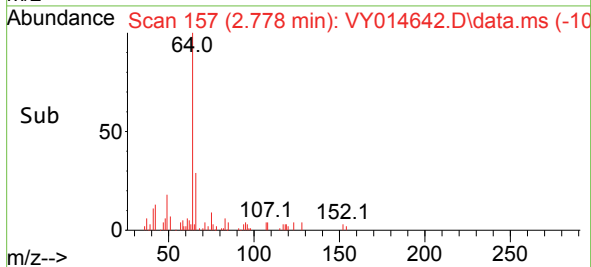
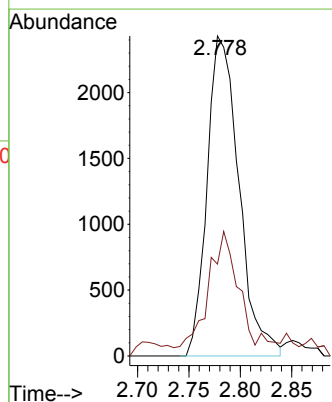
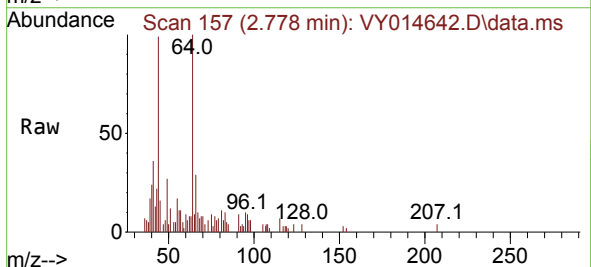
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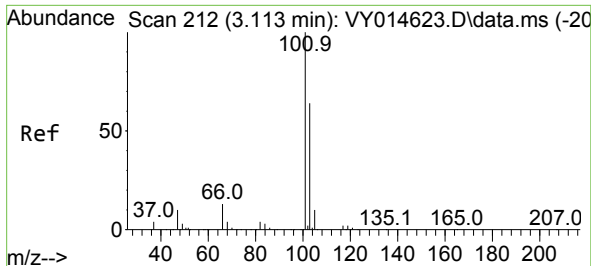
Tgt Ion: 94 Resp: 7231
Ion Ratio Lower Upper
94 100
96 89.8 75.8 113.6



#6
Chloroethane
Concen: 2.706 ug/l
RT: 2.778 min Scan# 157
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 64 Resp: 5225
Ion Ratio Lower Upper
64 100
66 25.7 24.4 36.6

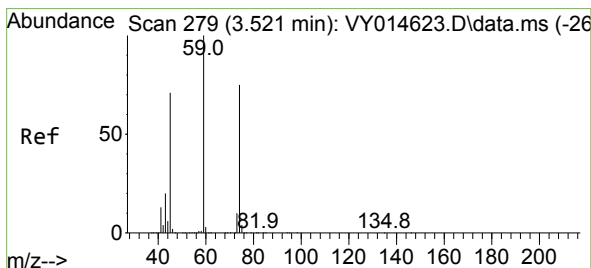
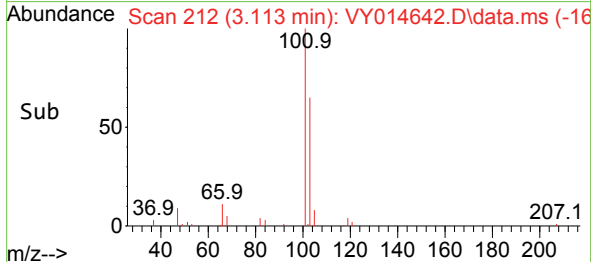
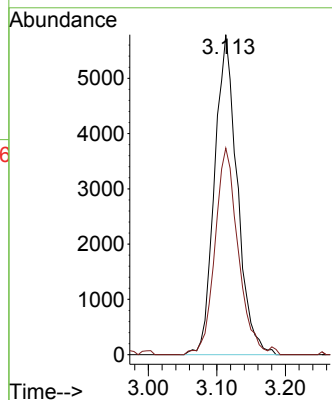
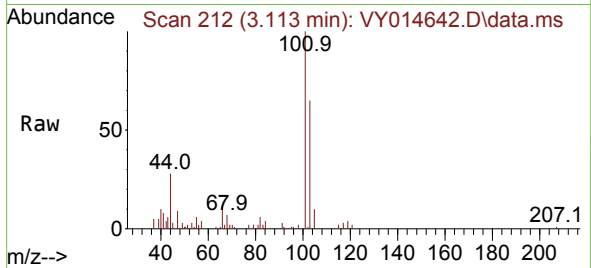




#7
 Trichlorofluoromethane
 Concen: 2.560 ug/l
 RT: 3.113 min Scan# 212
 Delta R.T. 0.000 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

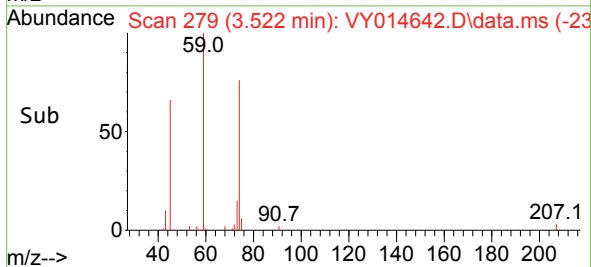
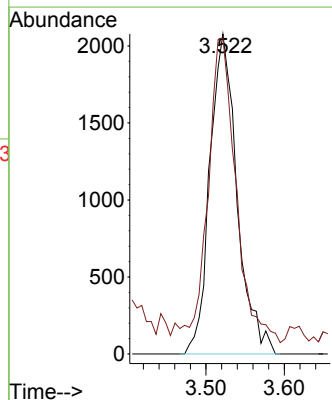
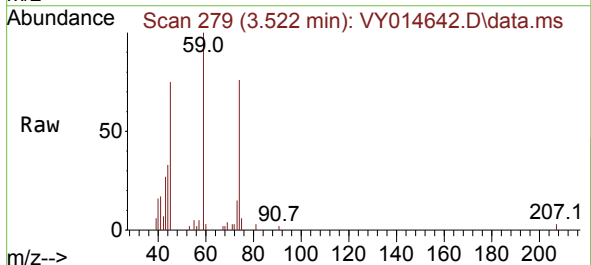
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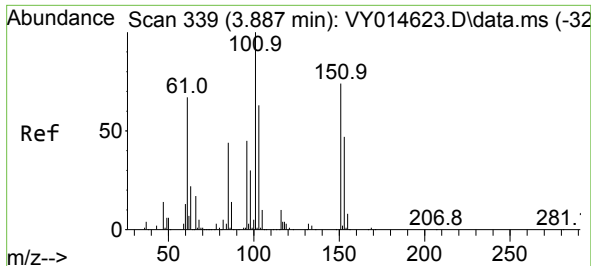
Tgt Ion:101 Resp: 13289
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.4 77.0



#8
 Diethyl Ether
 Concen: 2.600 ug/l
 RT: 3.522 min Scan# 279
 Delta R.T. 0.001 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

Tgt Ion: 74 Resp: 5022
 Ion Ratio Lower Upper
 74 100
 45 98.6 51.5 154.5

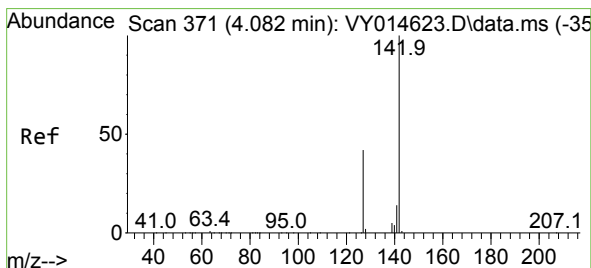
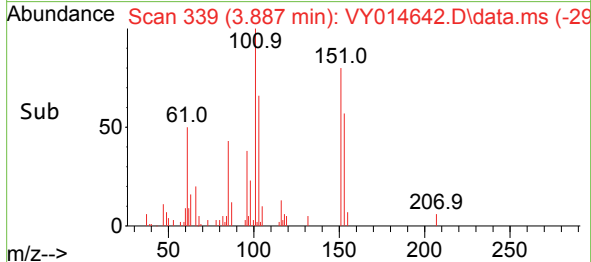
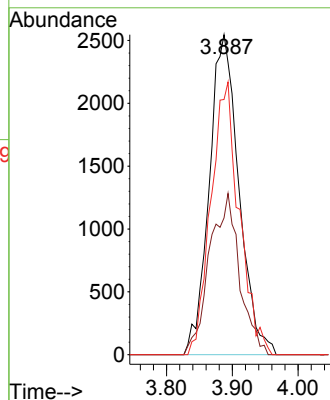
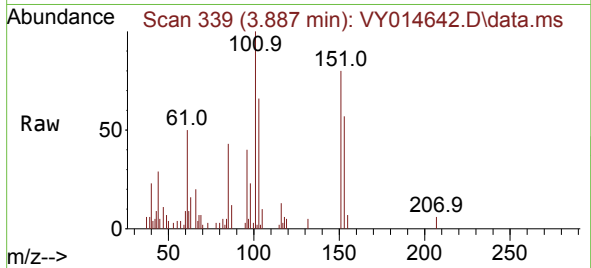




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.514 ug/l
RT: 3.887 min Scan# 311
Delta R.T. 0.000 min
Lab File: VY014642.D
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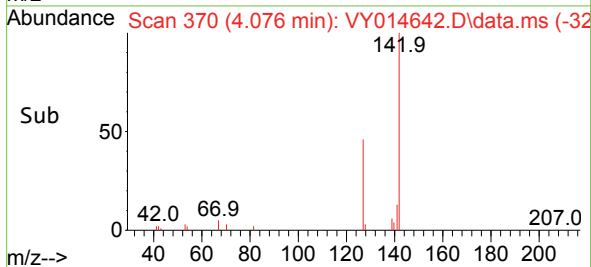
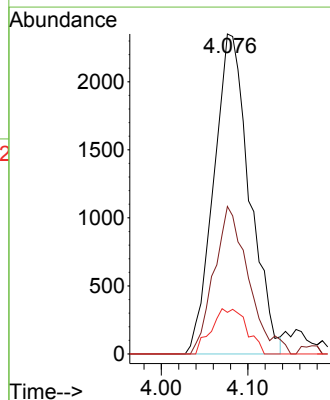
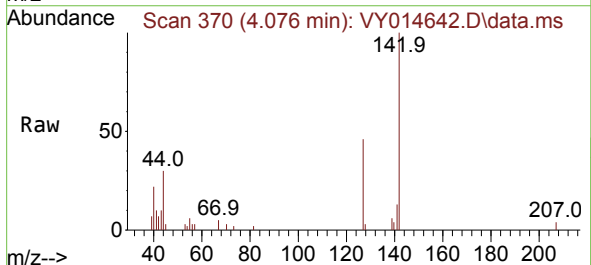
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

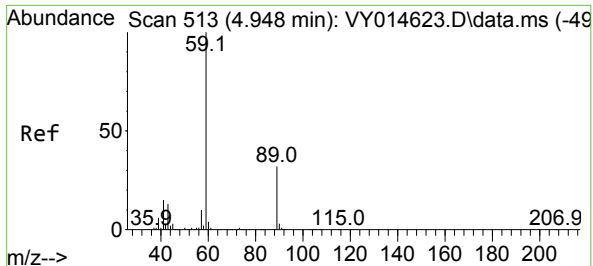
Tgt Ion:101 Resp: 7999
Ion Ratio Lower Upper
101 100
85 50.8 36.6 55.0
151 81.3 67.0 100.6



#10
Methyl Iodide
Concen: 4.276 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:142 Resp: 6752
Ion Ratio Lower Upper
142 100
127 44.2 37.6 56.4
141 13.8 11.8 17.8

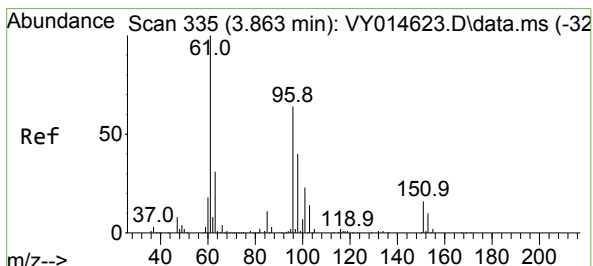
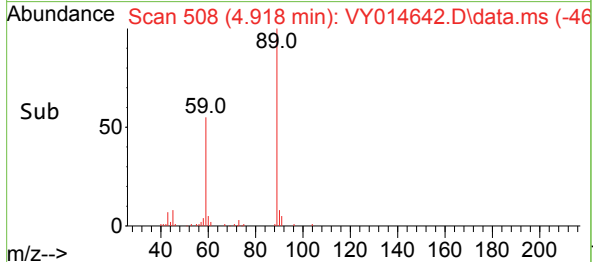
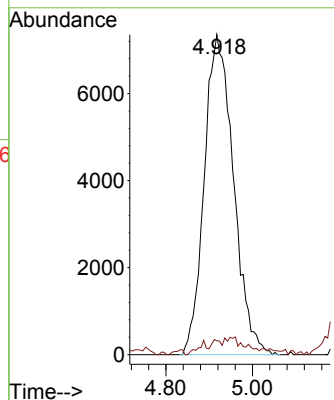
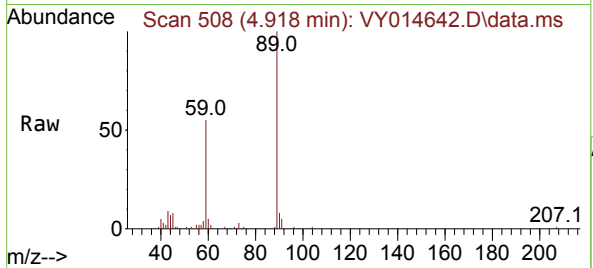




#11
Tert butyl alcohol
Concen: 36.107 ug/l
RT: 4.918 min Scan# 508
Delta R.T. -0.030 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

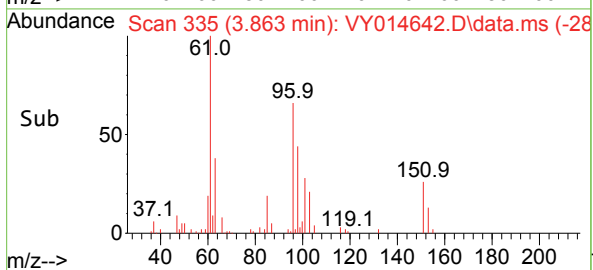
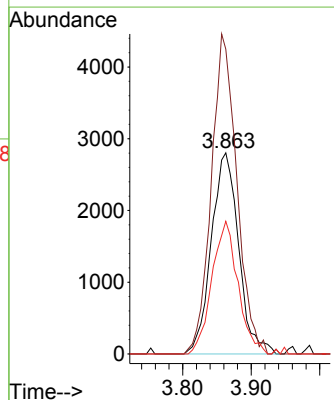
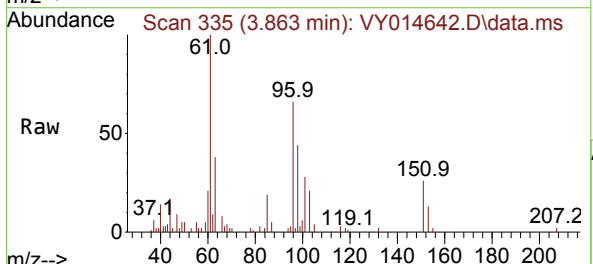
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

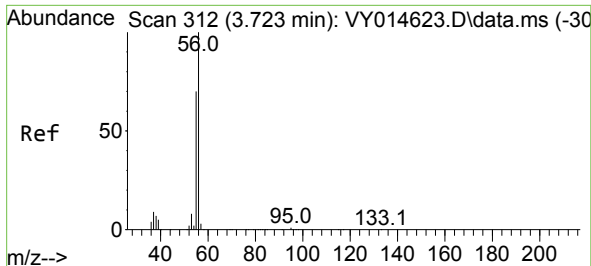
Tgt Ion: 59 Resp: 34422
Ion Ratio Lower Upper
59 100
57 0.8 3.0 4.4#



#12
1,1-Dichloroethene
Concen: 2.611 ug/l
RT: 3.863 min Scan# 335
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 96 Resp: 7766
Ion Ratio Lower Upper
96 100
61 151.6 136.4 204.6
98 66.0 49.4 74.2





#13

Acrolein

Concen: 10.155 ug/l

RT: 3.723 min Scan# 312

Delta R.T. -0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

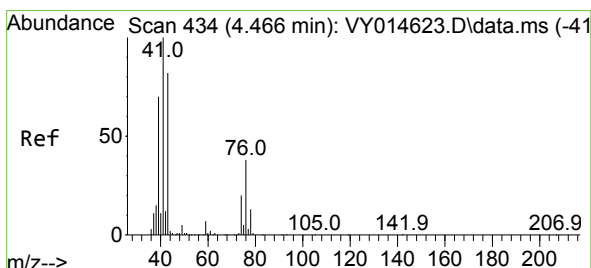
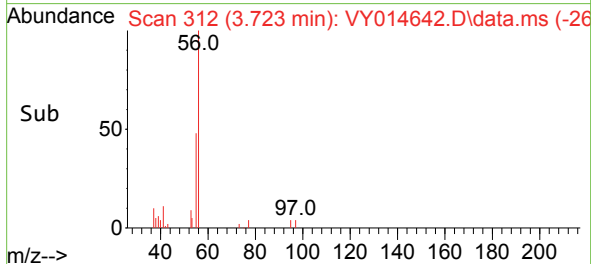
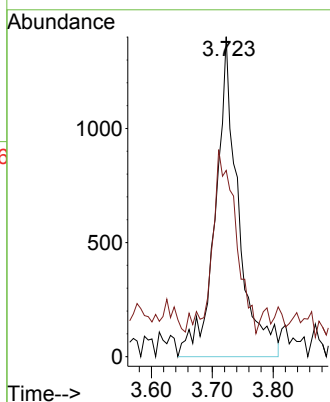
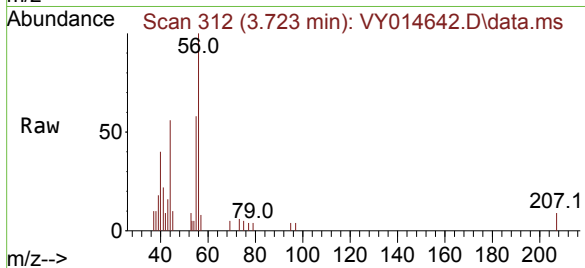
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 56 Resp: 3653

Ion Ratio Lower Upper

56 100

55 58.9 57.0 85.4



#14

Allyl chloride

Concen: 2.416 ug/l

RT: 4.466 min Scan# 434

Delta R.T. 0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

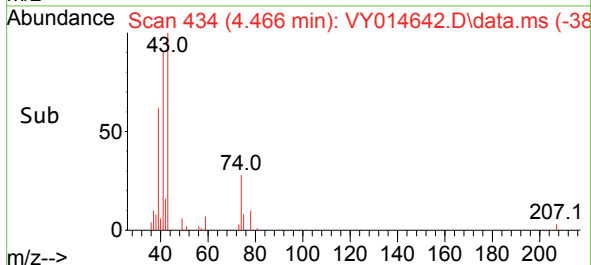
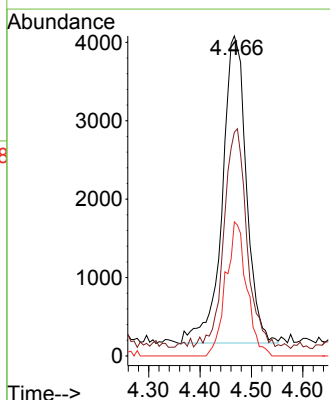
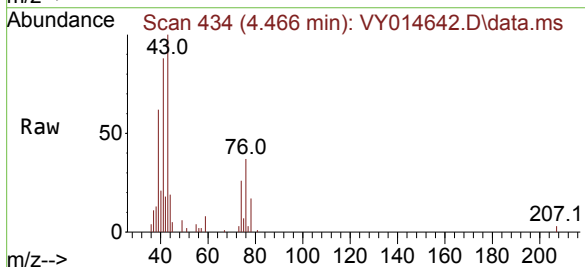
Tgt Ion: 41 Resp: 12757

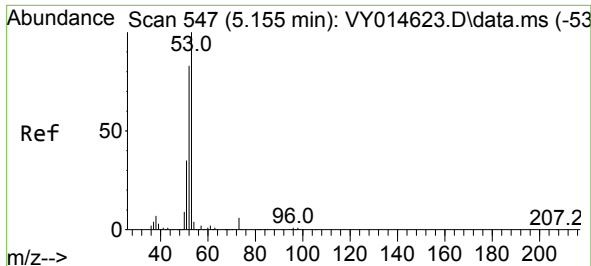
Ion Ratio Lower Upper

41 100

39 67.6 58.0 87.0

76 37.9 27.4 41.2

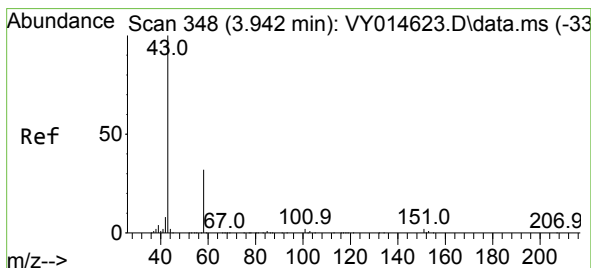
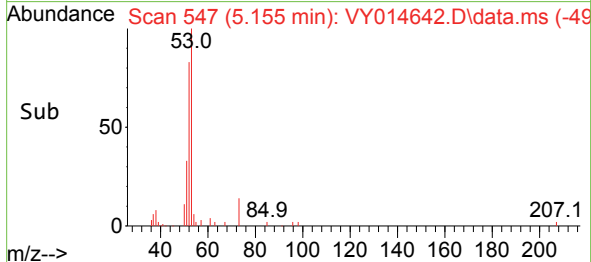
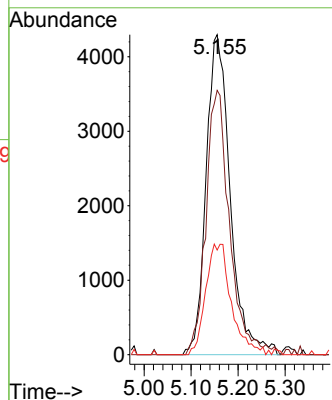
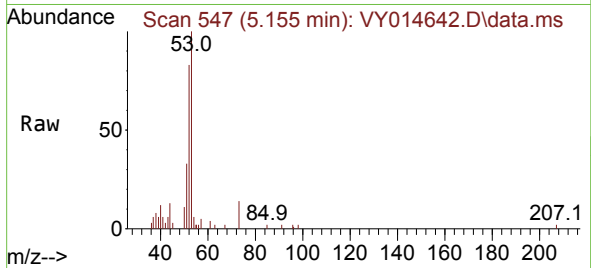




#15
Acrylonitrile
Concen: 14.372 ug/l
RT: 5.155 min Scan# 54
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

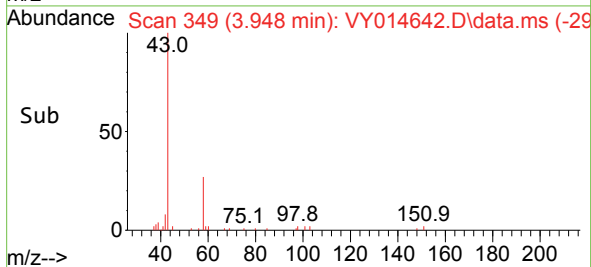
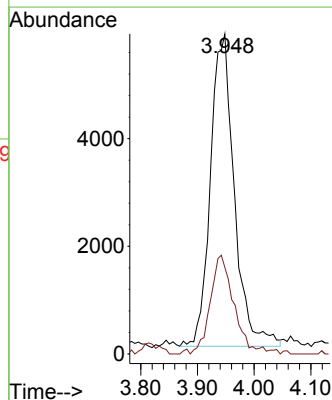
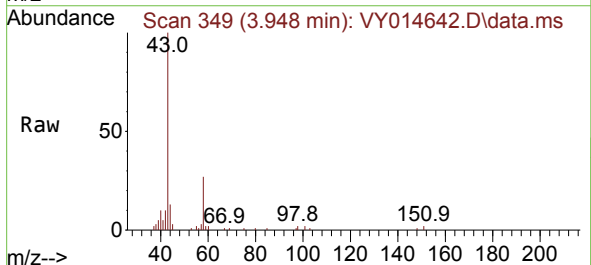
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

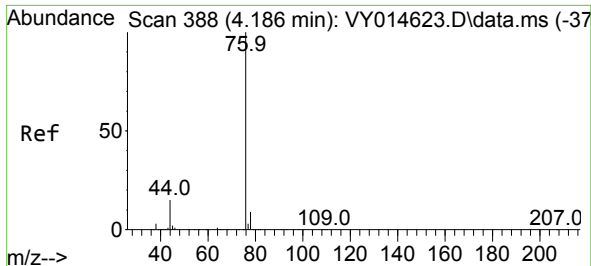
Tgt Ion: 53	Resp:	15309
Ion	Ratio	Lower Upper
53	100	
52	81.1	66.9 100.3
51	36.9	29.8 44.6



#16
Acetone
Concen: 15.541 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 43	Resp:	16949
Ion	Ratio	Lower Upper
43	100	
58	27.7	22.7 34.1





#17

Carbon Disulfide

Concen: 2.250 ug/l

RT: 4.180 min Scan# 388

Delta R.T. -0.006 min

Lab File: VY014642.D

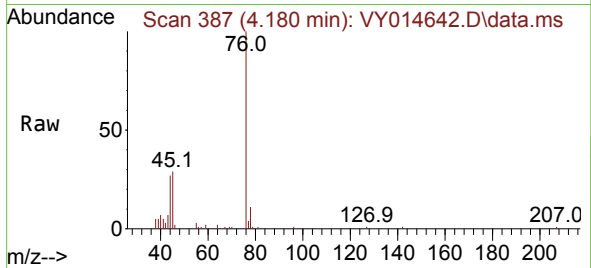
Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

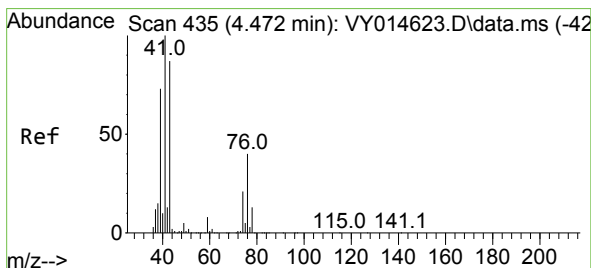
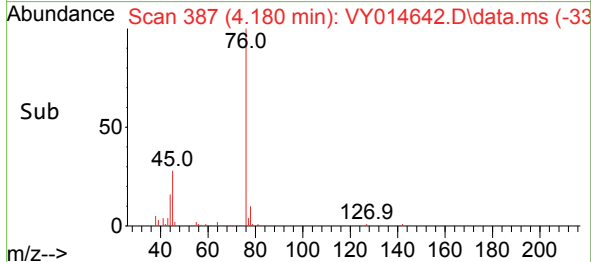
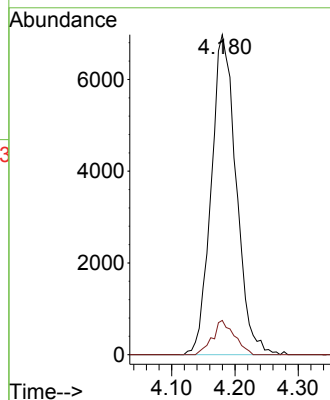


Tgt Ion: 76 Resp: 19156

Ion Ratio Lower Upper

76 100

78 10.7 7.0 10.4#



#18

Methyl Acetate

Concen: 3.334 ug/l

RT: 4.473 min Scan# 435

Delta R.T. 0.001 min

Lab File: VY014642.D

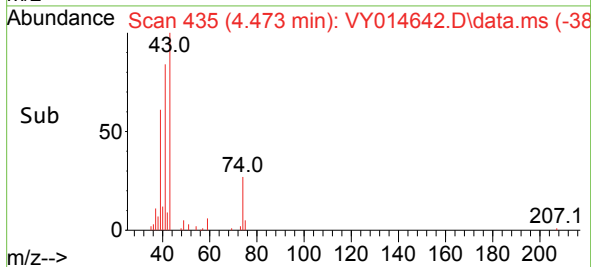
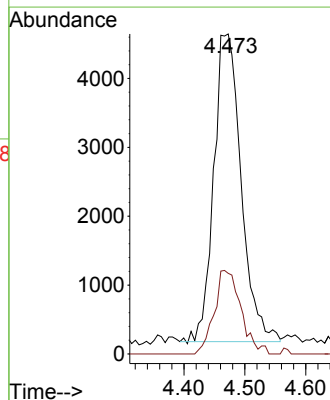
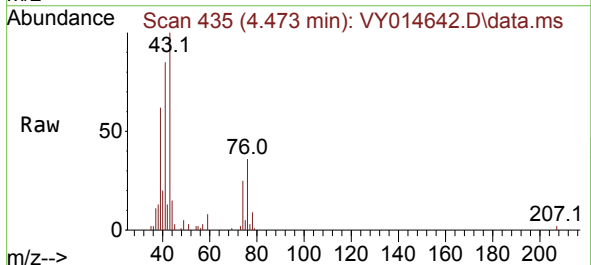
Acq: 14 Jul 2023 13:04

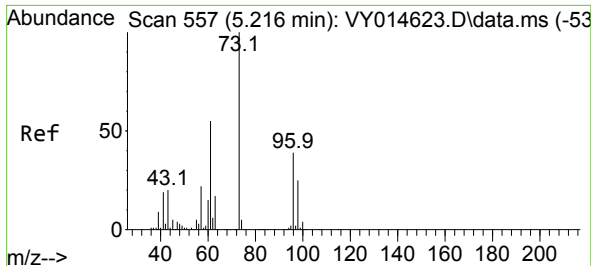
Tgt Ion: 43 Resp: 13955

Ion Ratio Lower Upper

43 100

74 26.4 17.4 26.0#





#19

Methyl tert-butyl Ether

Concen: 2.649 ug/l

RT: 5.210 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

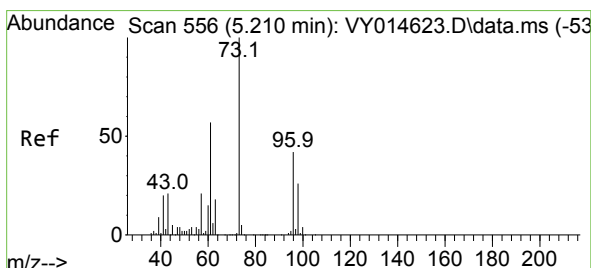
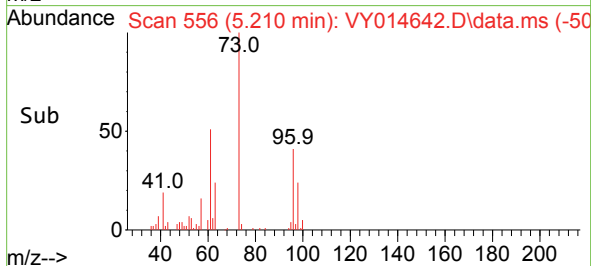
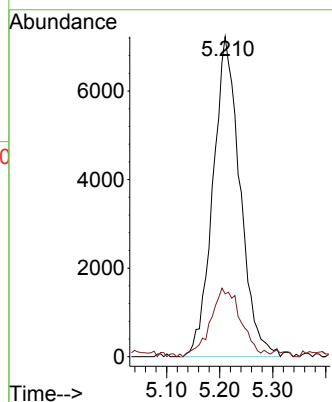
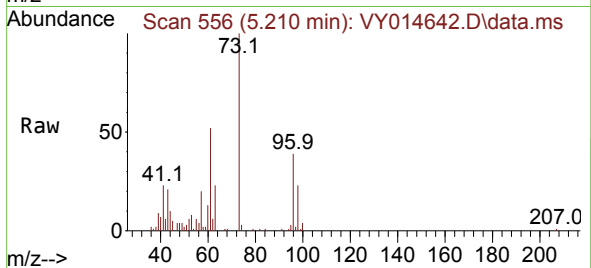
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 73 Resp: 25587

Ion Ratio Lower Upper

73 100

57 18.8 17.3 25.9



#21

trans-1,2-Dichloroethene

Concen: 2.558 ug/l

RT: 5.204 min Scan# 555

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

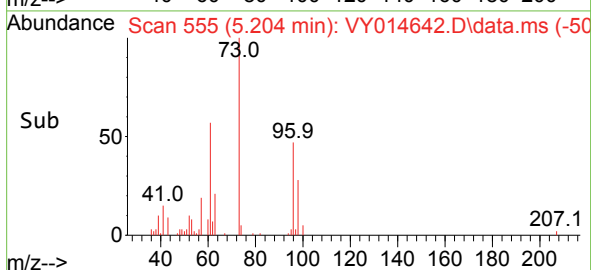
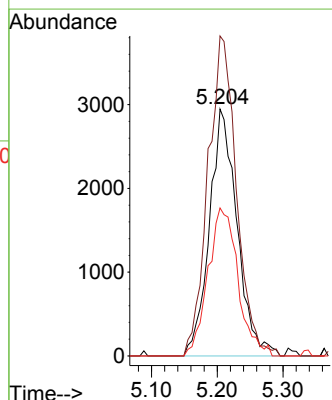
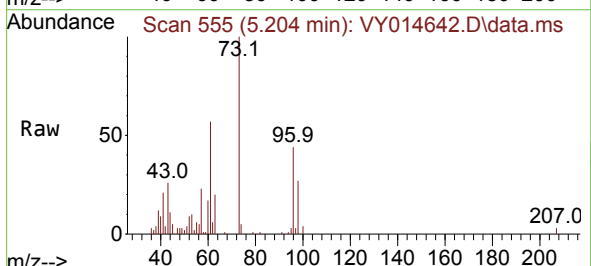
Tgt Ion: 96 Resp: 8633

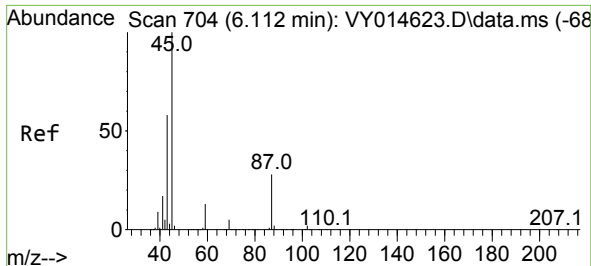
Ion Ratio Lower Upper

96 100

61 129.6 110.2 165.4

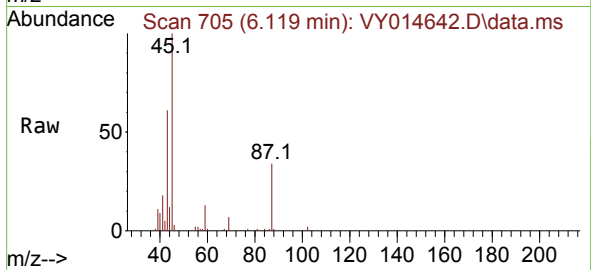
98 59.9 51.8 77.6



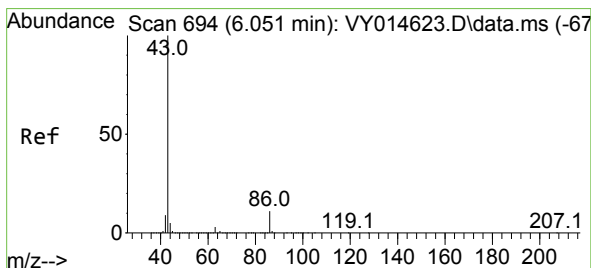
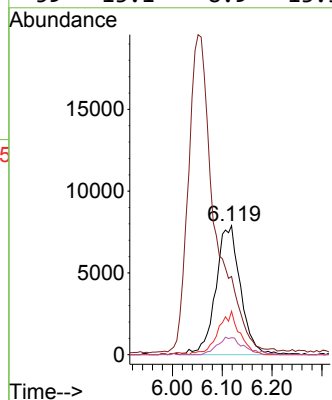
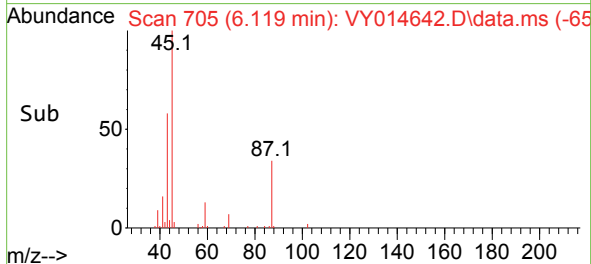


#22
Diisopropyl ether
Concen: 2.523 ug/l
RT: 6.119 min Scan# 704
Delta R.T. 0.007 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

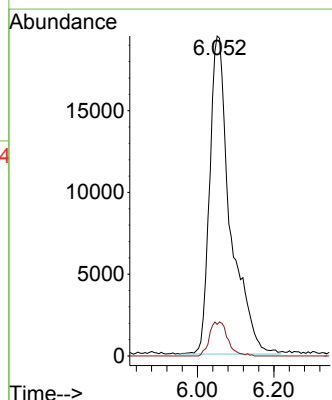
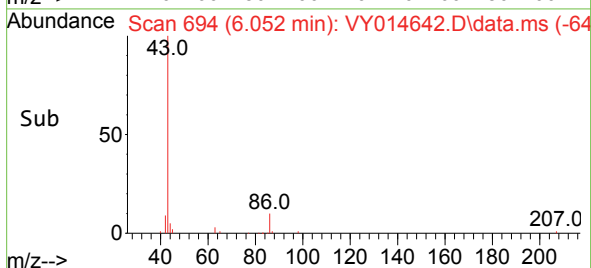
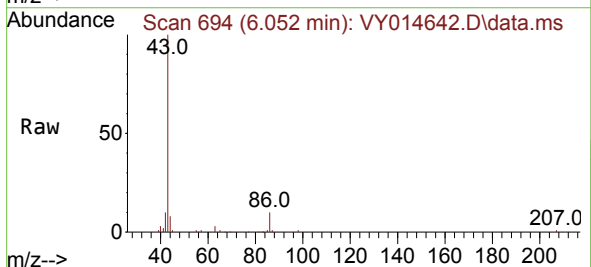


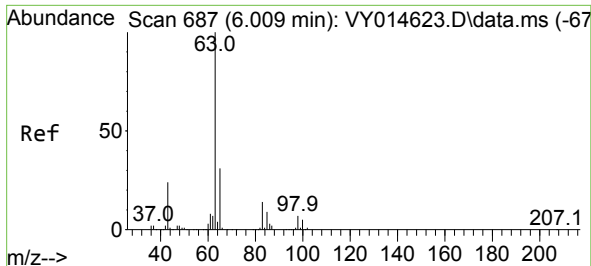
Tgt Ion:	45	Resp:	27083
Ion	Ratio	Lower	Upper
45	100		
43	57.5	52.2	78.4
87	33.6	21.0	31.6
59	13.1	8.9	13.3



#23
Vinyl Acetate
Concen: 11.373 ug/l
RT: 6.052 min Scan# 694
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:	43	Resp:	73071
Ion	Ratio	Lower	Upper
43	100		
86	9.9	7.5	11.3

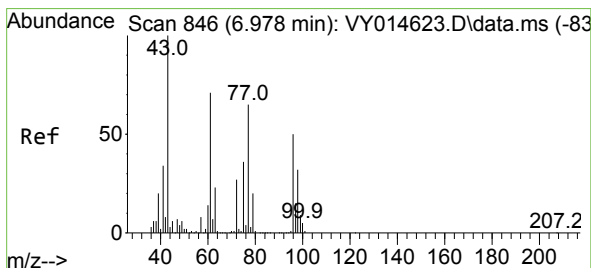
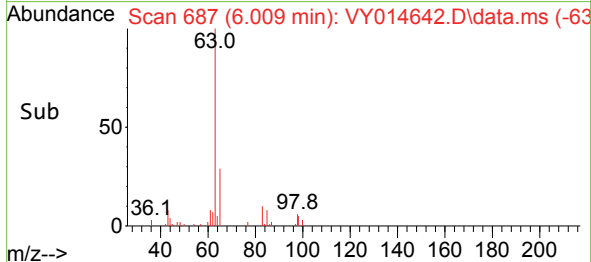
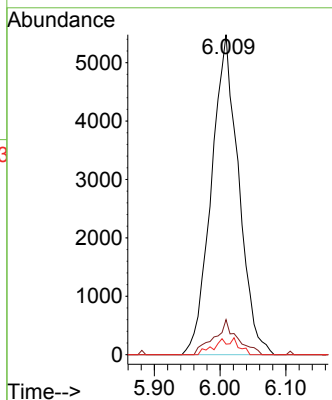
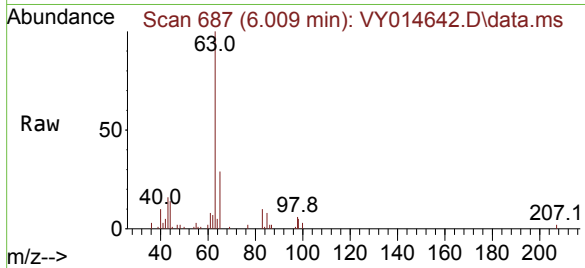




#24
1,1-Dichloroethane
Concen: 2.570 ug/l
RT: 6.009 min Scan# 61
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

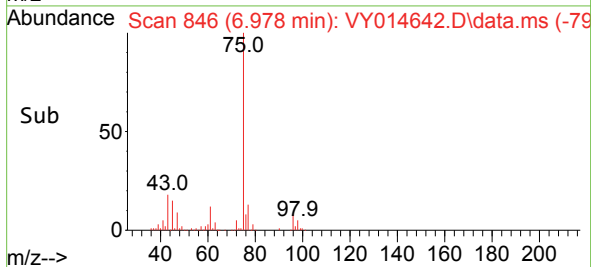
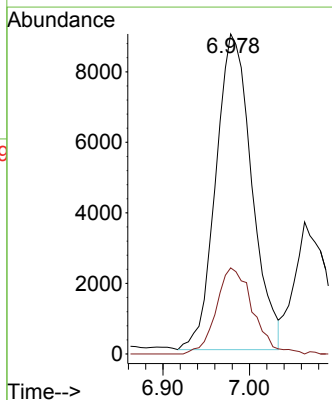
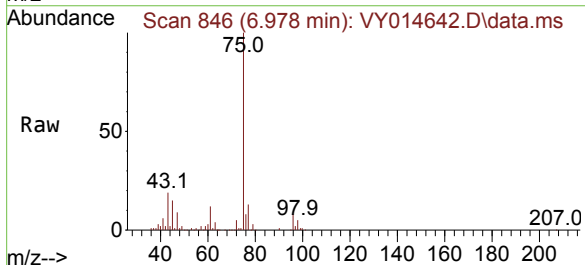
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

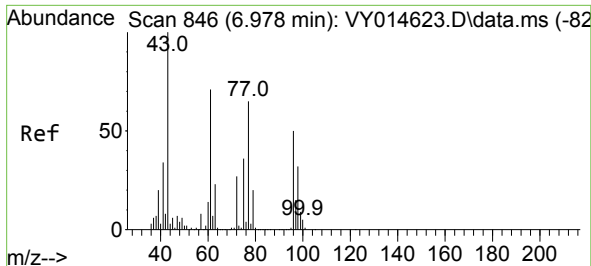
Tgt Ion: 63 Resp: 15787
Ion Ratio Lower Upper
63 100
98 10.9 3.1 9.4#
100 3.3 1.8 5.5



#25
2-Butanone
Concen: 16.200 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 43 Resp: 25847
Ion Ratio Lower Upper
43 100
72 27.3 20.5 30.7

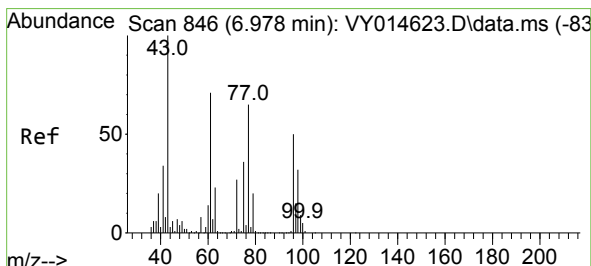
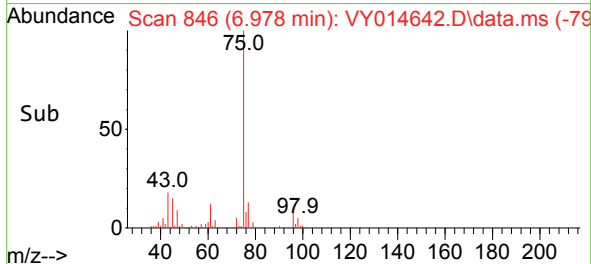
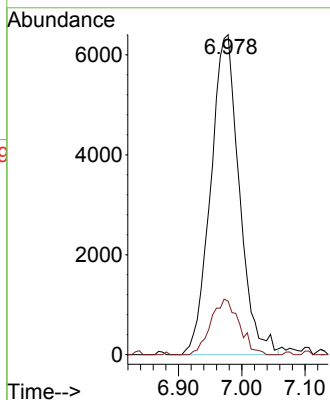
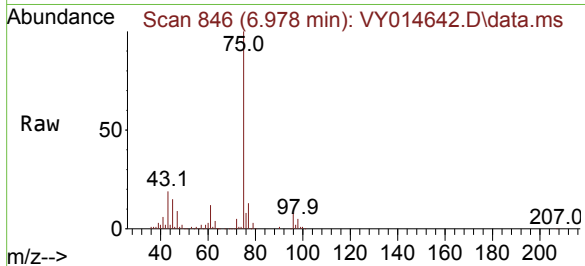




#26
2,2-Dichloropropane
Concen: 3.439 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

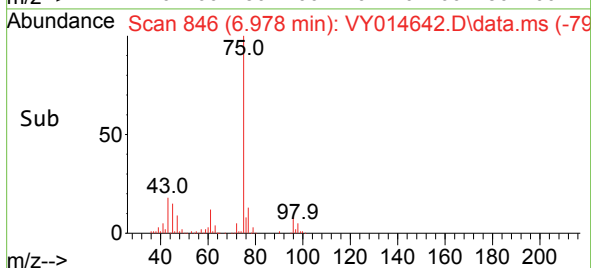
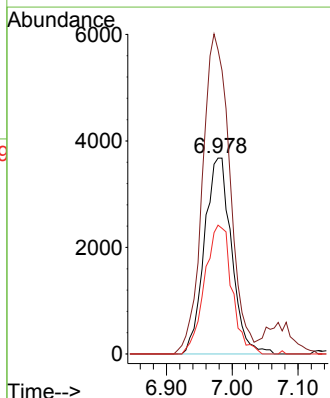
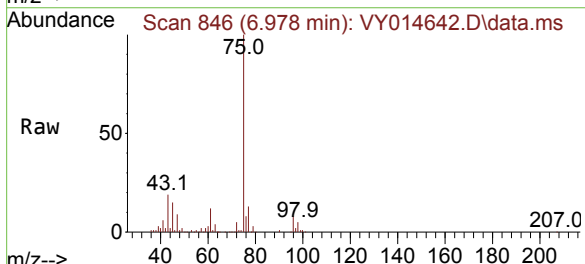
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

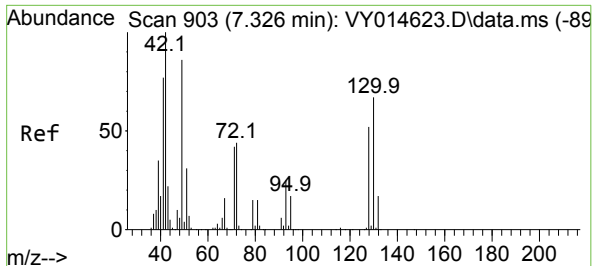
Tgt Ion: 77 Resp: 20133
Ion Ratio Lower Upper
77 100
97 17.3 10.9 32.9



#27
cis-1,2-Dichloroethene
Concen: 2.684 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 96 Resp: 10546
Ion Ratio Lower Upper
96 100
61 165.2 0.0 301.4
98 66.0 0.0 130.4

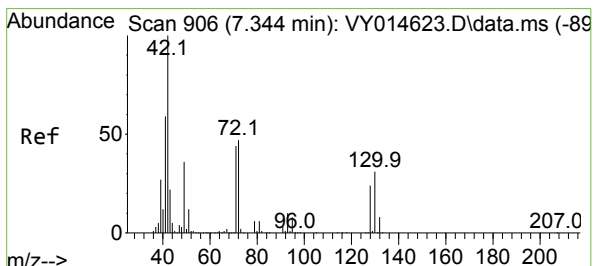
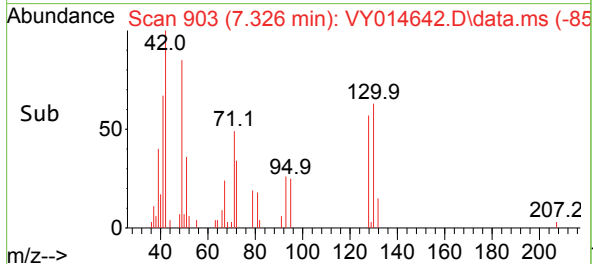
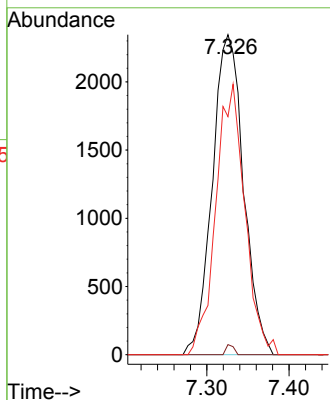
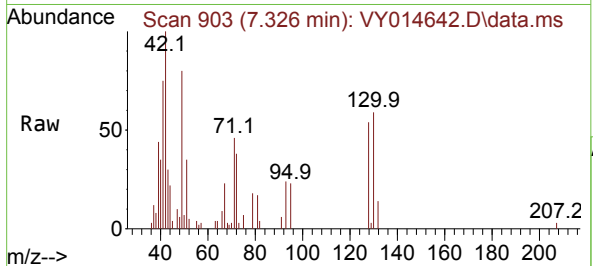




#28
Bromochloromethane
Concen: 2.340 ug/l
RT: 7.326 min Scan# 903
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

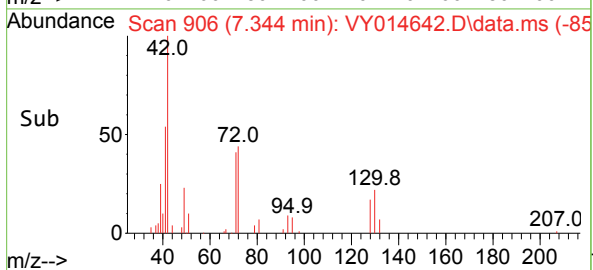
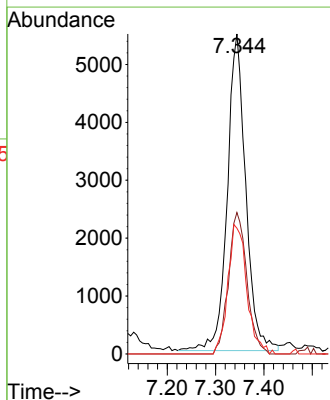
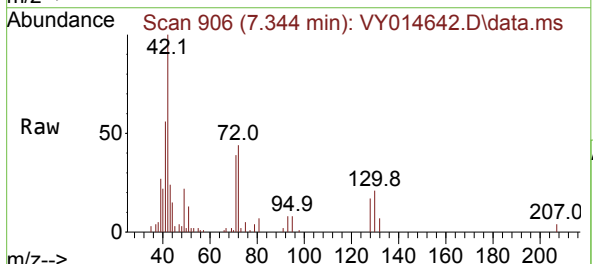
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

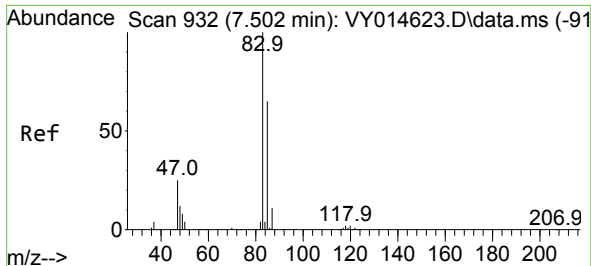
Tgt Ion: 49 Resp: 6190
Ion Ratio Lower Upper
49 100
129 0.8 0.0 4.6
130 78.8 60.7 91.1



#29
Tetrahydrofuran
Concen: 14.766 ug/l
RT: 7.344 min Scan# 906
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 42 Resp: 14507
Ion Ratio Lower Upper
42 100
72 44.5 32.8 49.2
71 41.8 31.0 46.4

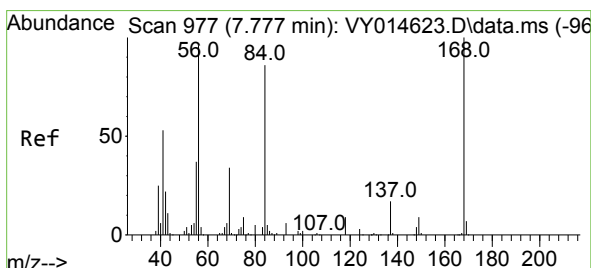
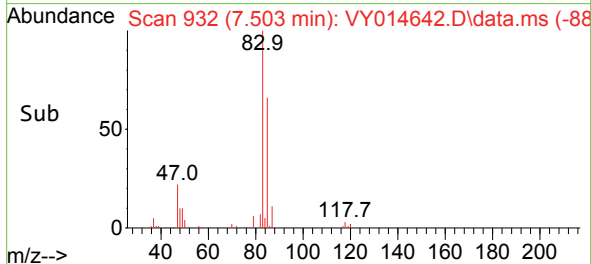
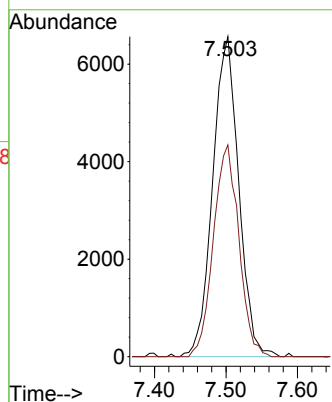
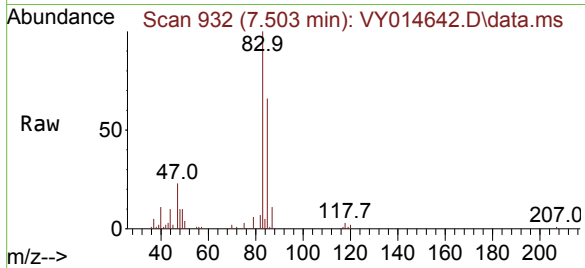




#30
Chloroform
Concen: 2.621 ug/l
RT: 7.503 min Scan# 91
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

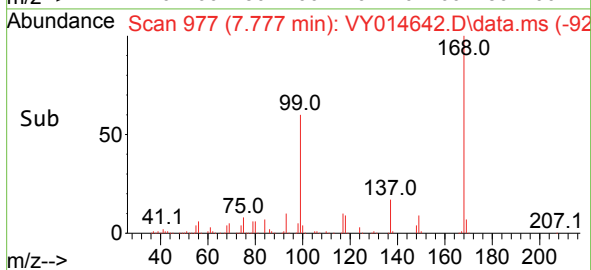
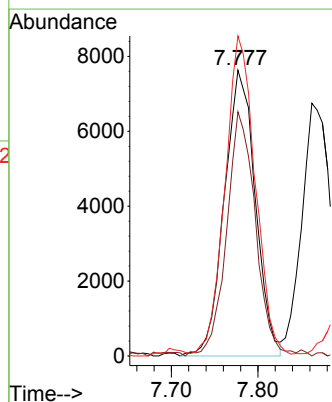
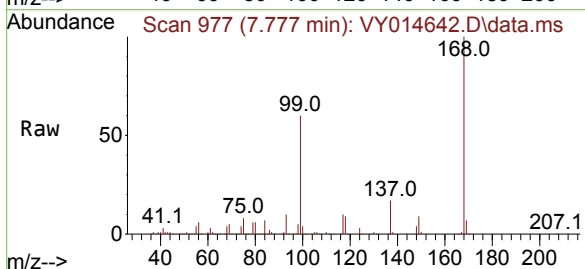
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

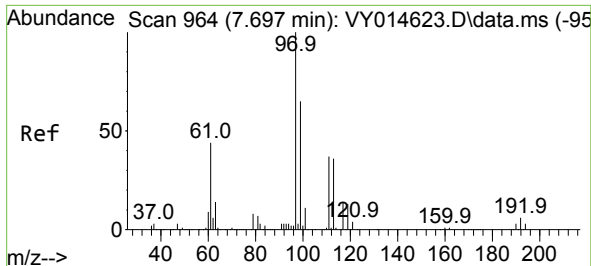
Tgt Ion: 83 Resp: 16602
Ion Ratio Lower Upper
83 100
85 66.2 49.7 74.5



#31
Cyclohexane
Concen: 3.323 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 56 Resp: 18983
Ion Ratio Lower Upper
56 100
69 84.3 27.8 41.6#
84 110.0 66.4 99.6#

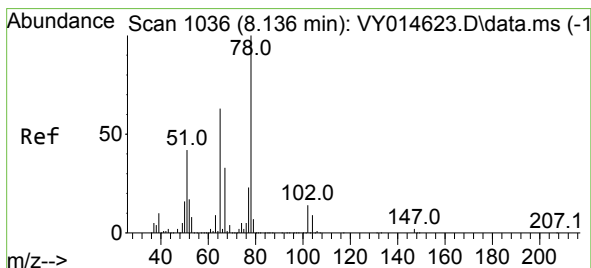
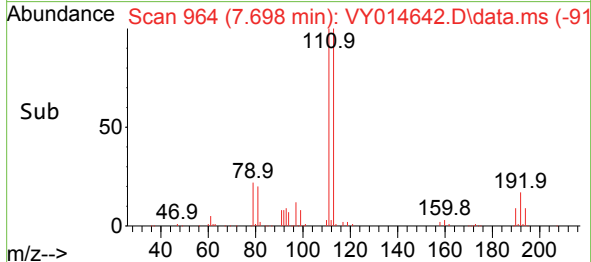
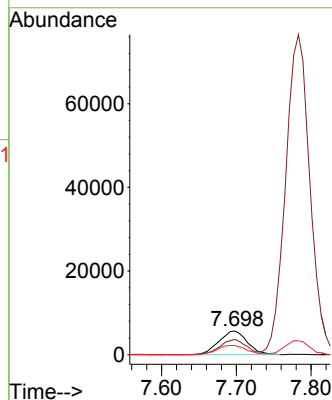
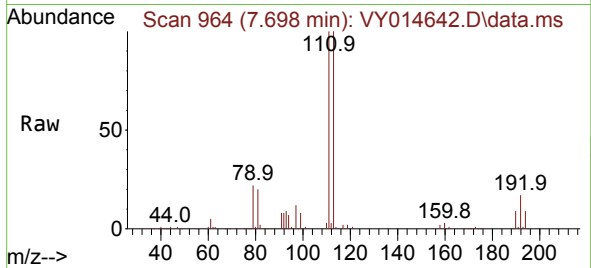




#32
1,1,1-Trichloroethane
Concen: 2.633 ug/l
RT: 7.698 min Scan# 964
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

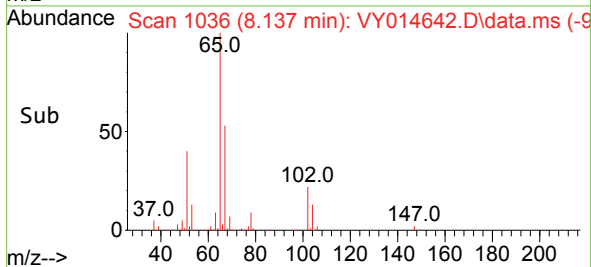
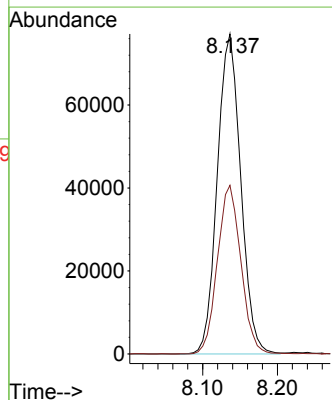
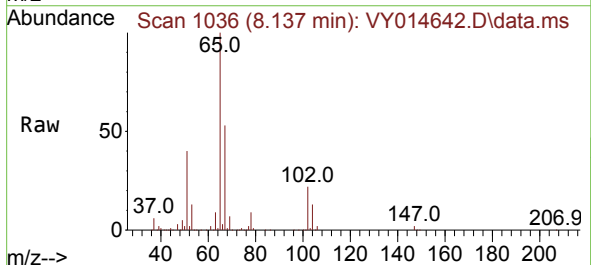
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

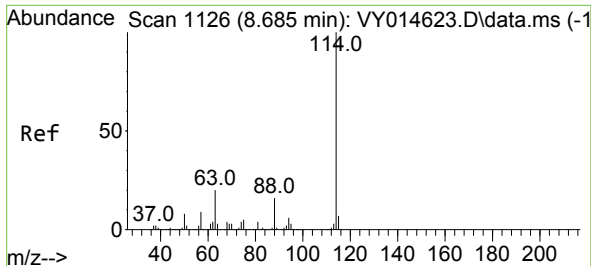
Tgt Ion: 97 Resp: 15011
Ion Ratio Lower Upper
97 100
99 59.0 50.8 76.2
61 40.1 35.1 52.7



#33
1,2-Dichloroethane-d4
Concen: 48.882 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 65 Resp: 168230
Ion Ratio Lower Upper
65 100
67 52.9 0.0 101.8

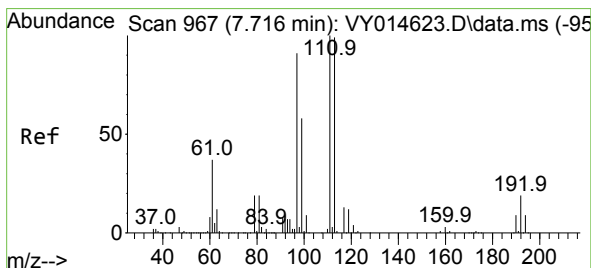
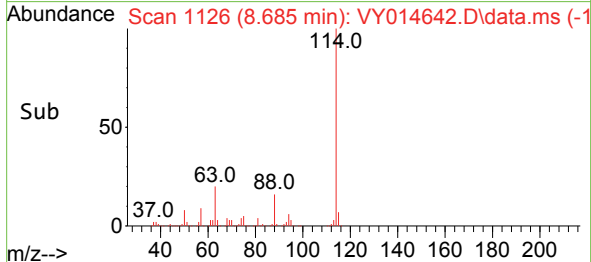
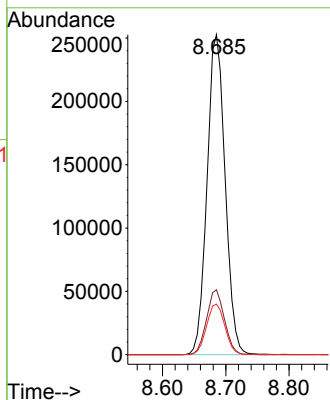
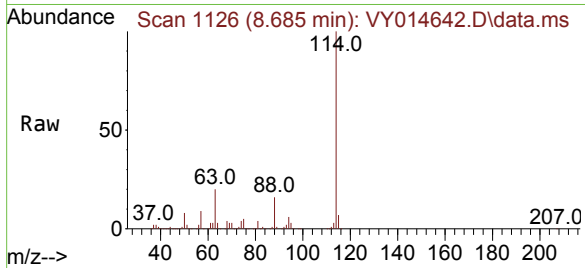




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

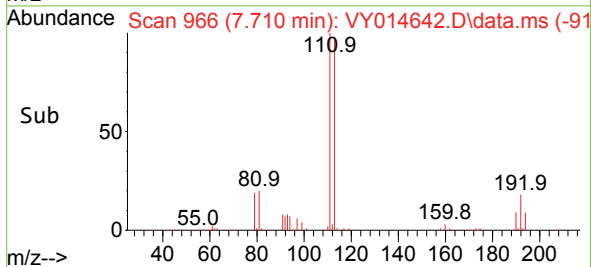
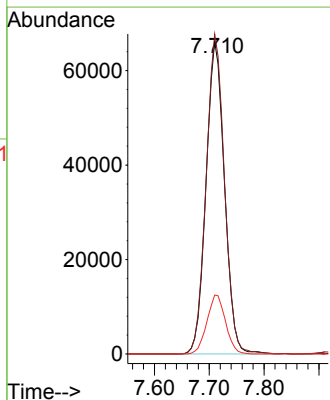
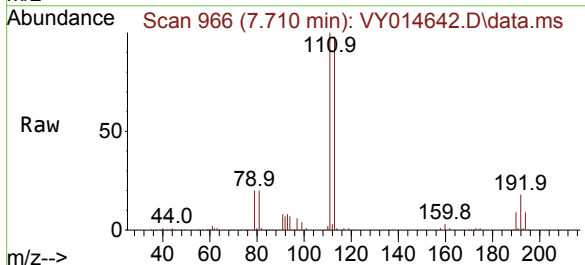
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

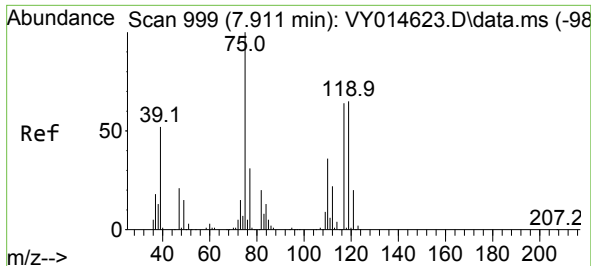
Tgt Ion:114 Resp: 502150
Ion Ratio Lower Upper
114 100
63 20.3 0.0 42.4
88 15.8 0.0 30.6



#35
Dibromofluoromethane
Concen: 48.217 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:113 Resp: 154130
Ion Ratio Lower Upper
113 100
111 102.5 81.3 121.9
192 19.0 16.9 25.3

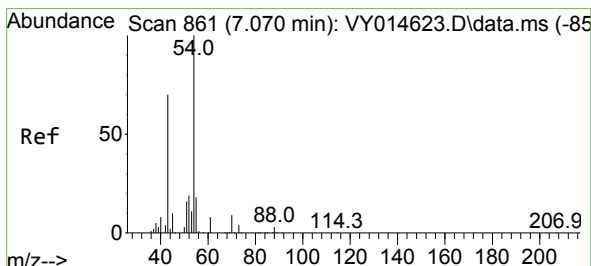
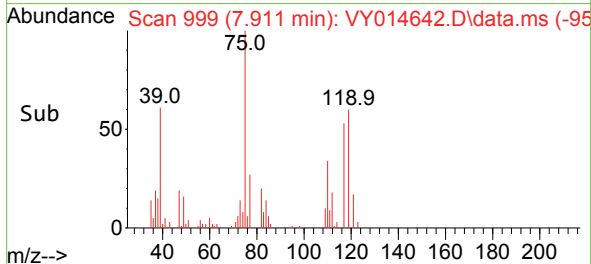
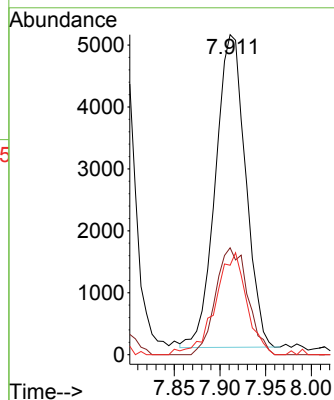
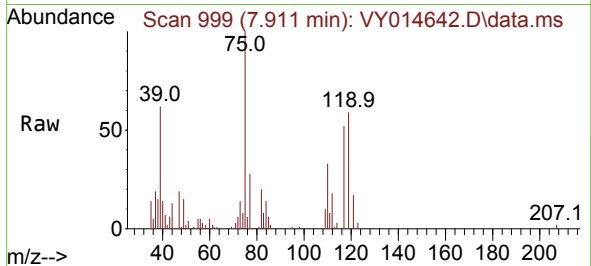




#36
1,1-Dichloropropene
Concen: 2.422 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

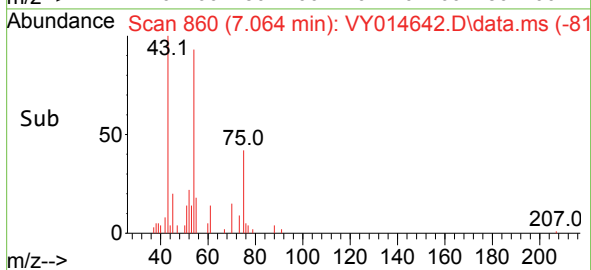
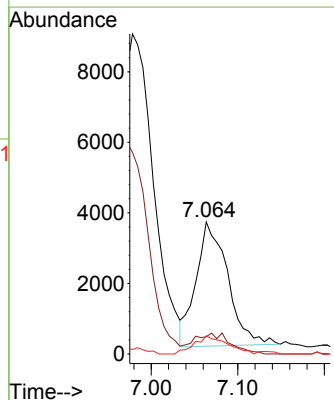
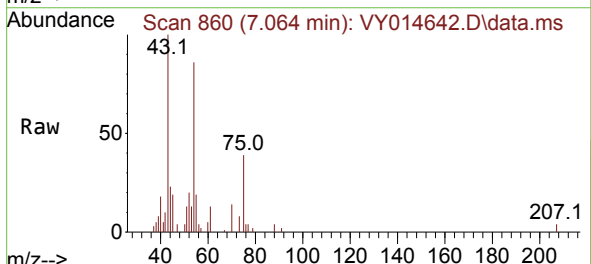
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

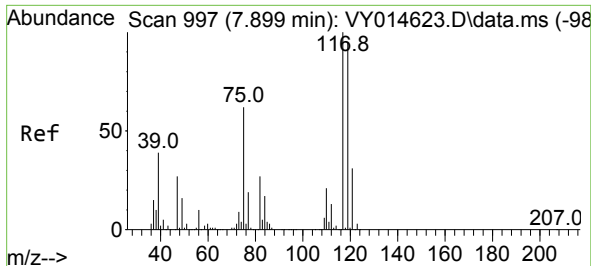
Tgt Ion:	75	Resp:	11576
Ion Ratio	Lower	Upper	
75	100		
110	36.3	17.8	53.5
77	34.1	24.4	36.6



#37
Ethyl Acetate
Concen: 2.728 ug/l
RT: 7.064 min Scan# 860
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:	43	Resp:	8980
Ion Ratio	Lower	Upper	
43	100		
61	18.4	10.1	15.1#
70	15.0	7.1	10.7#

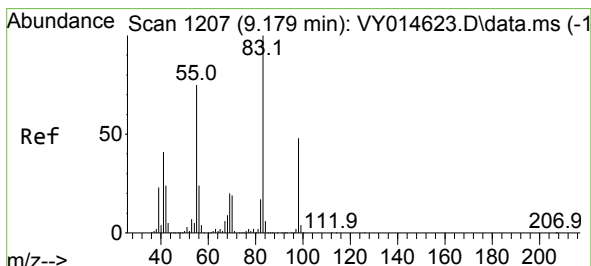
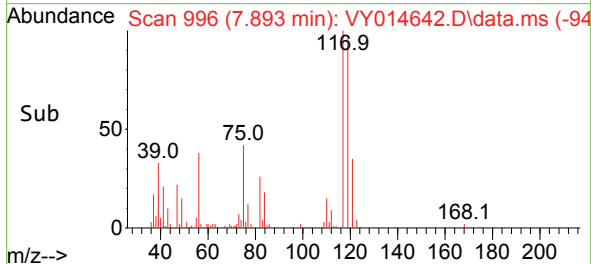
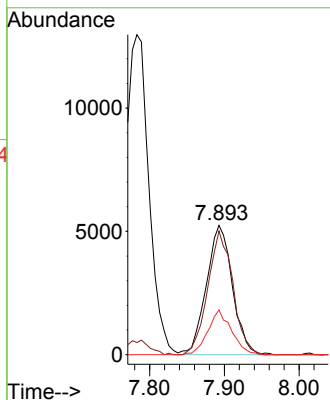
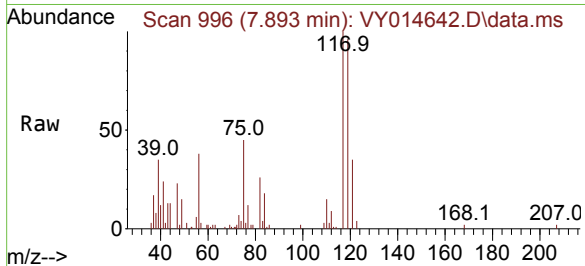




#38
Carbon Tetrachloride
Concen: 2.513 ug/l
RT: 7.893 min Scan# 997
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

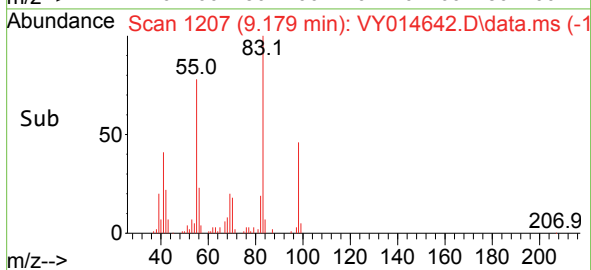
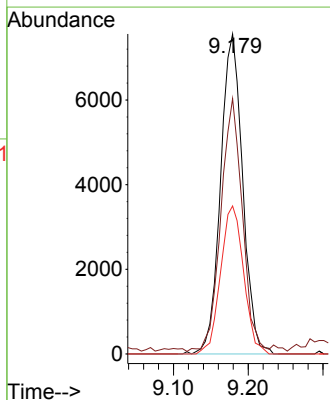
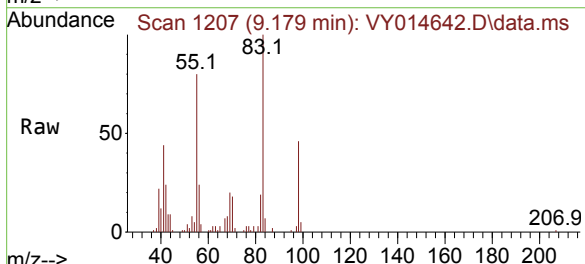
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

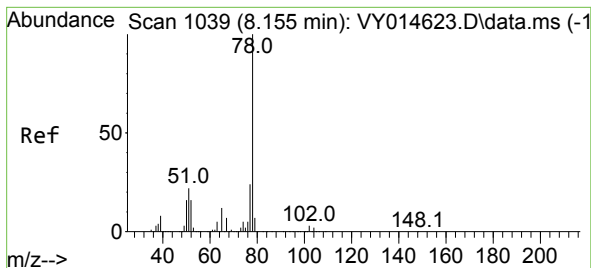
Tgt Ion:117 Resp: 12700
Ion Ratio Lower Upper
117 100
119 95.6 76.4 114.6
121 34.7 25.8 38.6



#39
Methylcyclohexane
Concen: 2.494 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 83 Resp: 15530
Ion Ratio Lower Upper
83 100
55 78.3 63.0 94.4
98 46.2 37.4 56.2





#40

Benzene

Concen: 2.542 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

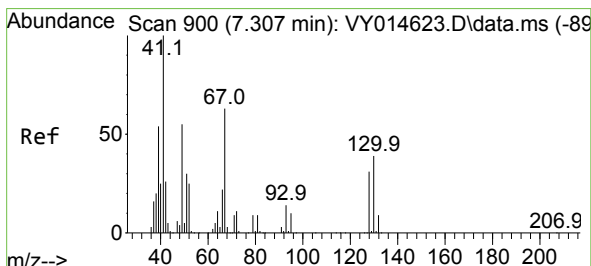
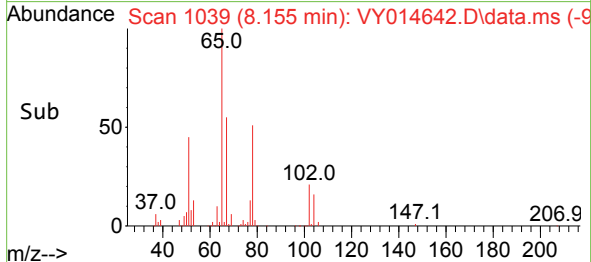
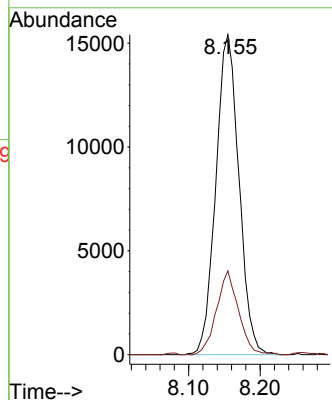
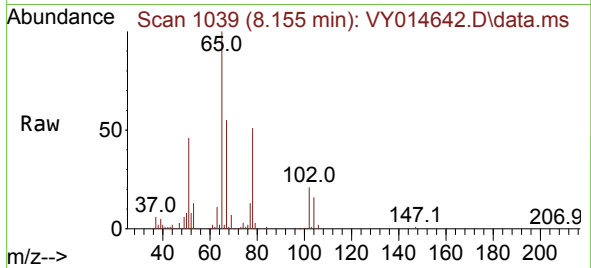
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 78 Resp: 34560

Ion Ratio Lower Upper

78 100

77 26.2 19.0 28.6



#41

Methacrylonitrile

Concen: 2.041 ug/l

RT: 7.301 min Scan# 899

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Tgt Ion: 41 Resp: 3456

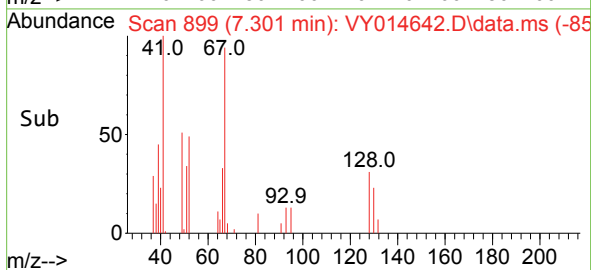
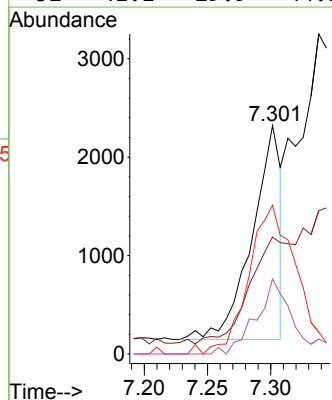
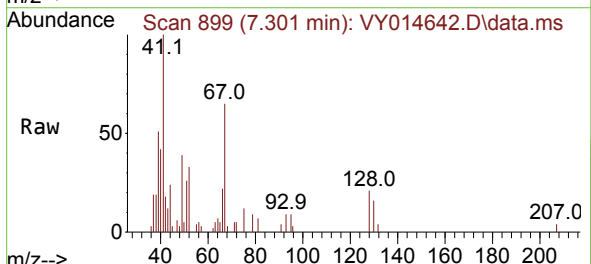
Ion Ratio Lower Upper

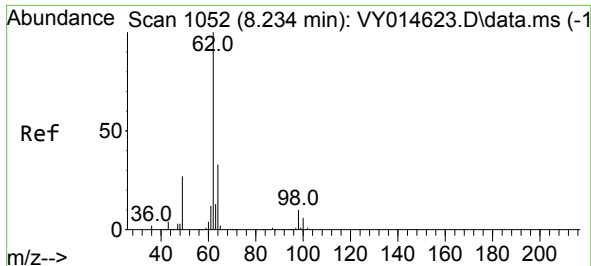
41 100

39 77.2 52.1 78.1

67 119.6 66.2 99.2#

52 41.1 29.9 44.9





#42

1,2-Dichloroethane

Concen: 2.642 ug/l

RT: 8.228 min Scan# 1051

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

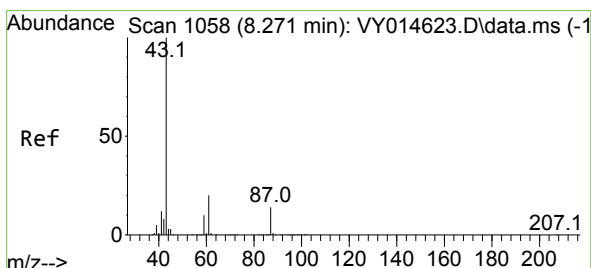
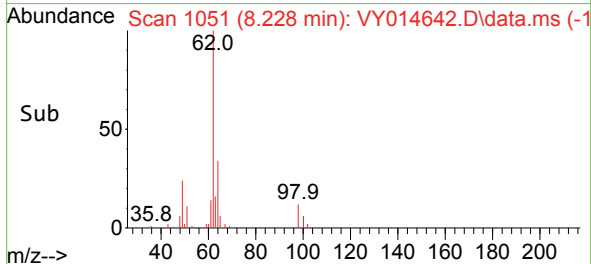
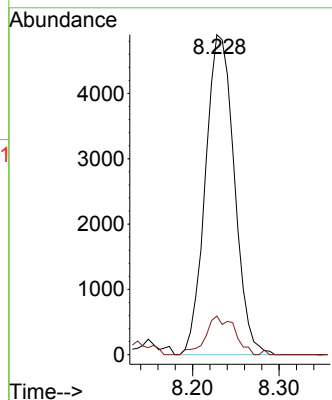
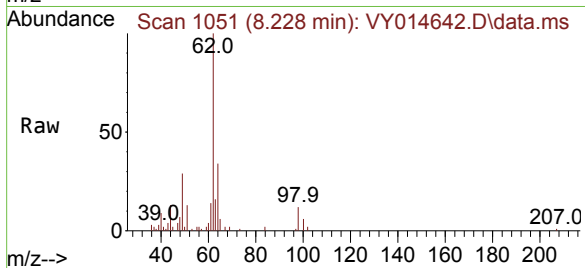
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 62 Resp: 11373

Ion Ratio Lower Upper

62 100

98 12.0 0.0 15.8



#43

Isopropyl Acetate

Concen: 2.615 ug/l

RT: 8.271 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

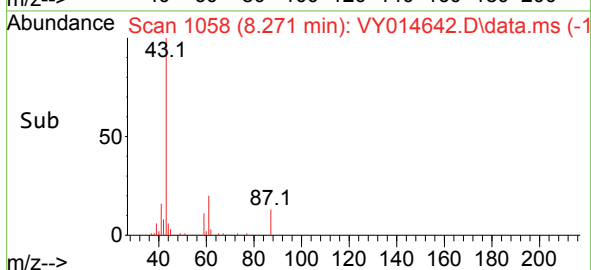
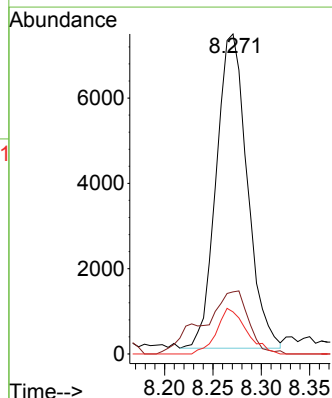
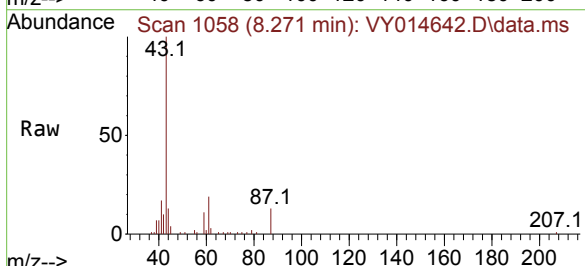
Tgt Ion: 43 Resp: 16397

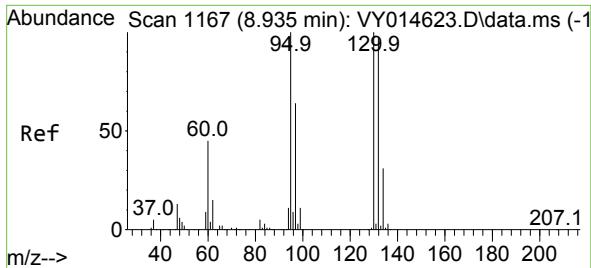
Ion Ratio Lower Upper

43 100

61 21.5 21.1 31.7

87 13.9 9.8 14.8

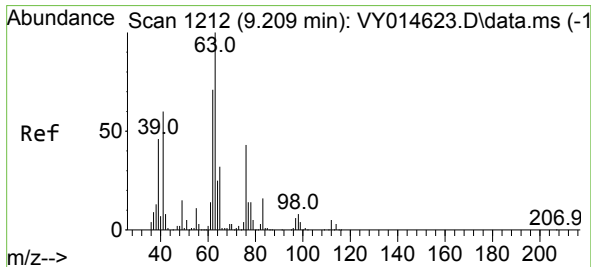
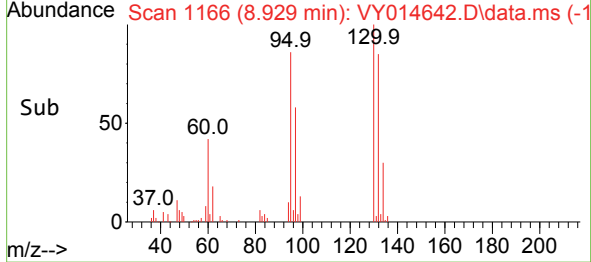
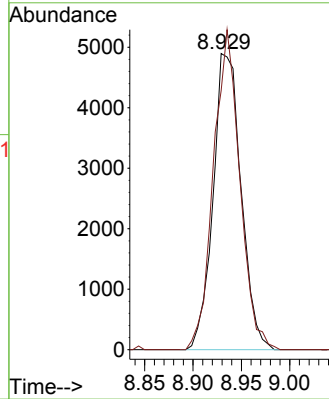
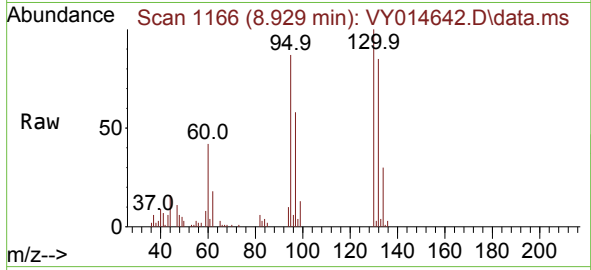




#44
Trichloroethene
Concen: 2.593 ug/l
RT: 8.929 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

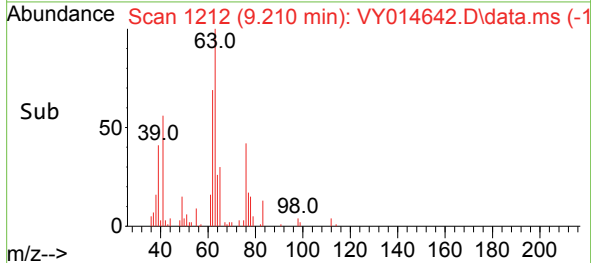
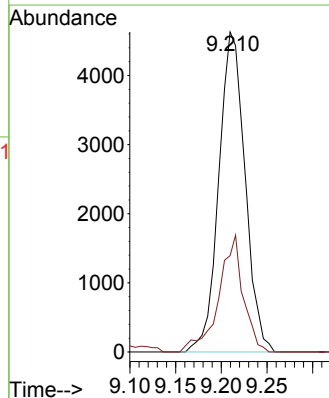
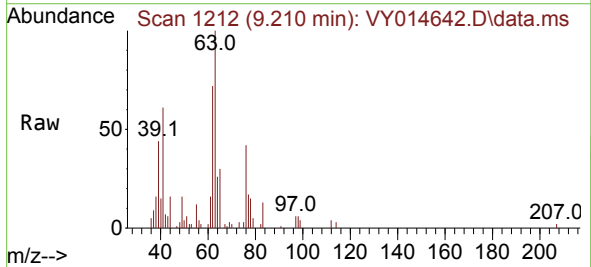
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

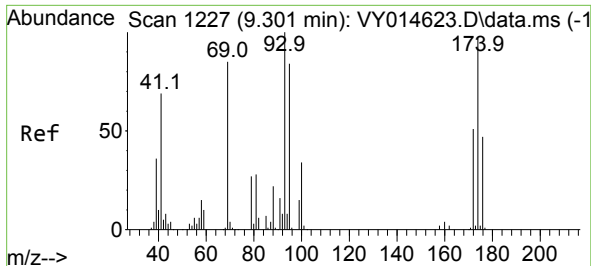
Tgt Ion:130 Resp: 9864
Ion Ratio Lower Upper
130 100
95 87.5 0.0 196.0



#45
1,2-Dichloropropane
Concen: 2.606 ug/l
RT: 9.210 min Scan# 1212
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 63 Resp: 9251
Ion Ratio Lower Upper
63 100
65 30.1 23.8 35.6

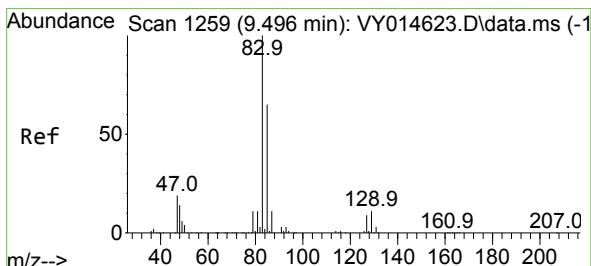
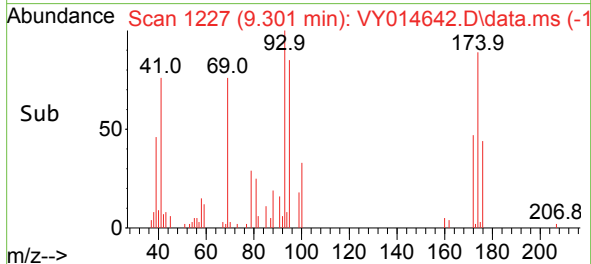
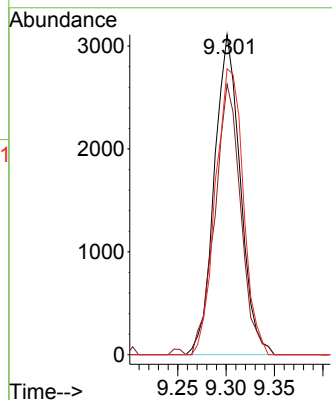
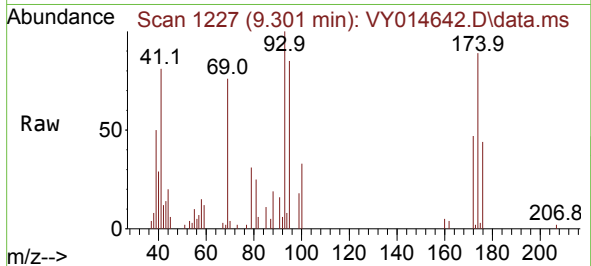




#46
Dibromomethane
Concen: 2.689 ug/l
RT: 9.301 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

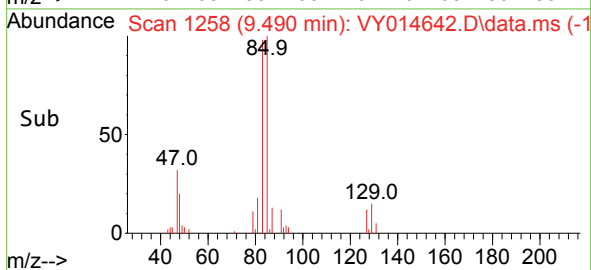
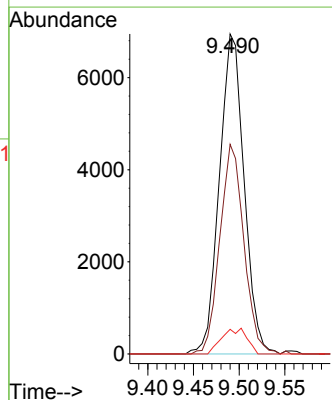
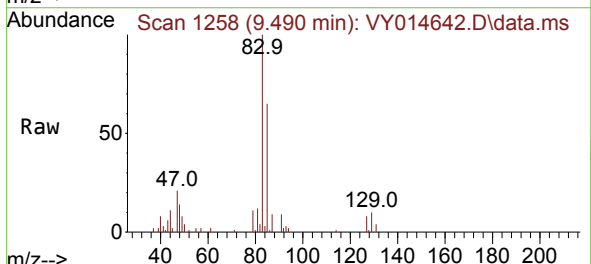
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

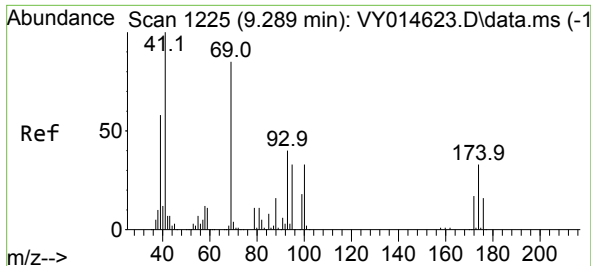
Tgt Ion: 93 Resp: 5791
Ion Ratio Lower Upper
93 100
95 84.3 66.6 100.0
174 95.7 84.8 127.2



#47
Bromodichloromethane
Concen: 2.572 ug/l
RT: 9.490 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 83 Resp: 13055
Ion Ratio Lower Upper
83 100
85 65.5 50.1 75.1
127 7.7 7.1 10.7

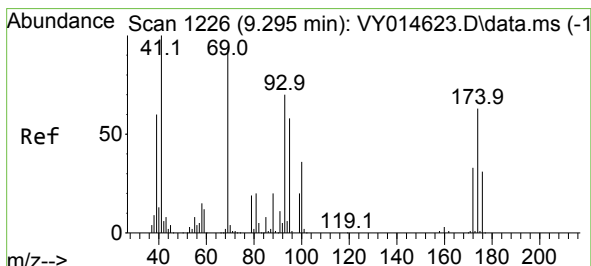
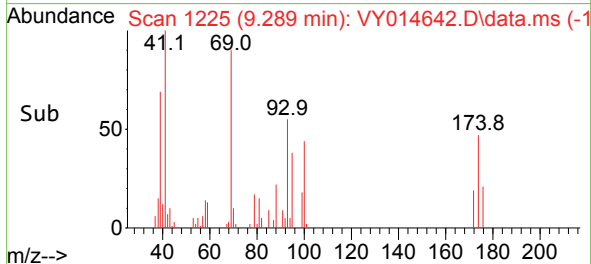
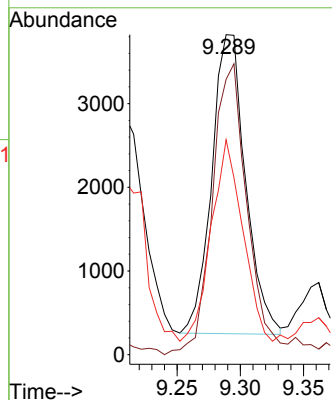
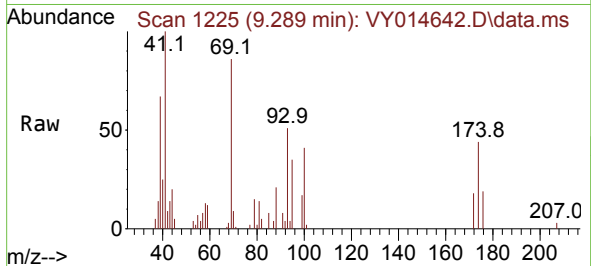




#48
Methyl methacrylate
Concen: 2.358 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

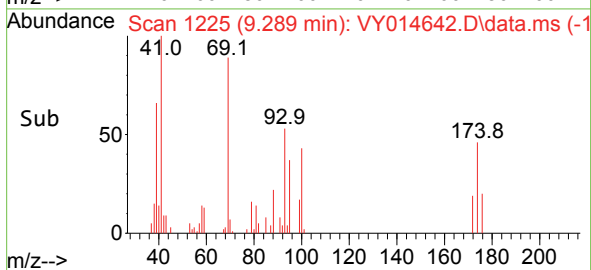
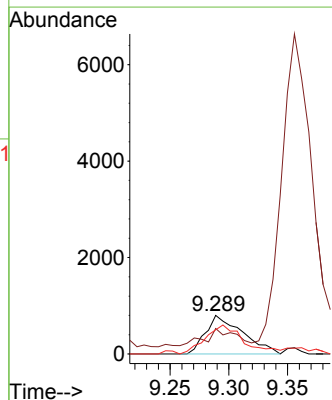
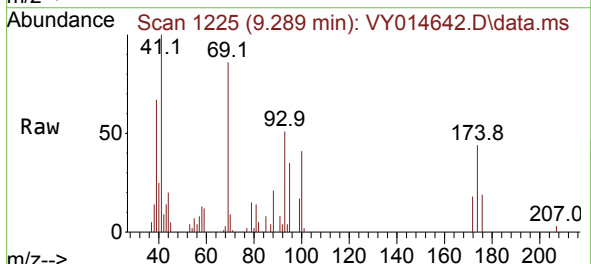
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

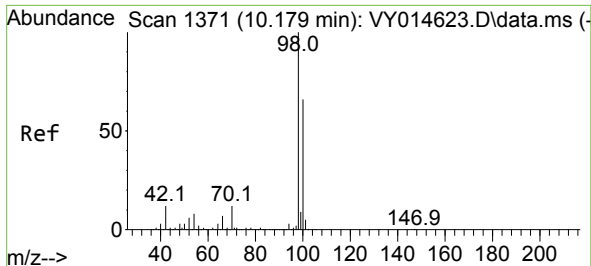
Tgt Ion: 41 Resp: 6652
Ion Ratio Lower Upper
41 100
69 99.9 64.5 96.7#
39 65.8 50.8 76.2



#49
1,4-Dioxane
Concen: 49.946 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 88 Resp: 1754
Ion Ratio Lower Upper
88 100
43 42.0 0.0 0.0#
58 77.3 30.9 46.3#

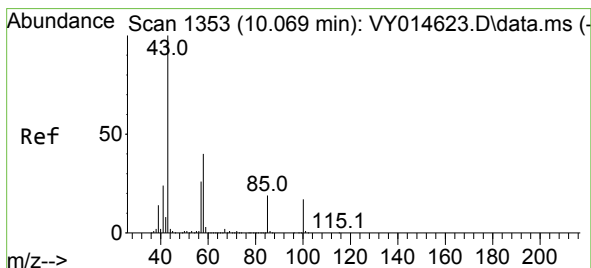
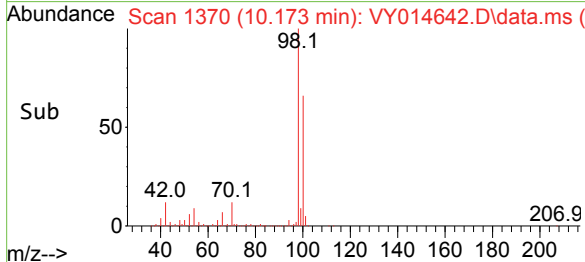
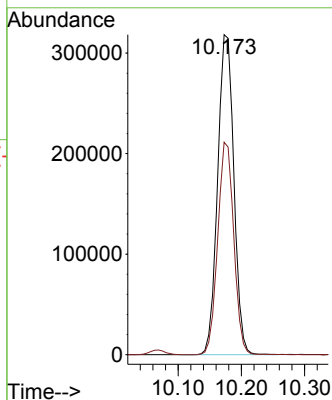
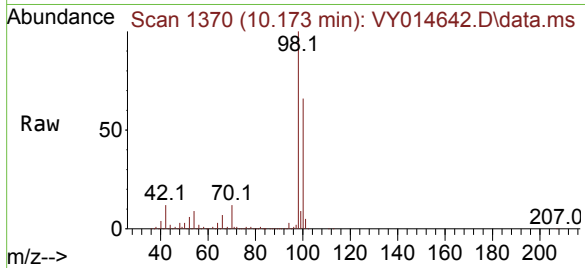




#50
Toluene-d8
Concen: 47.933 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

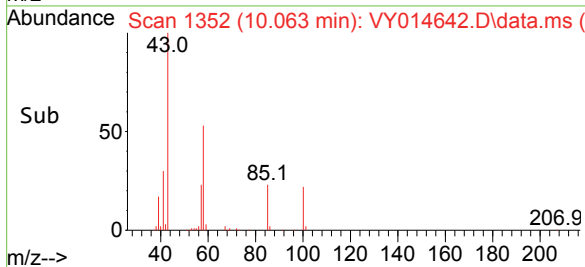
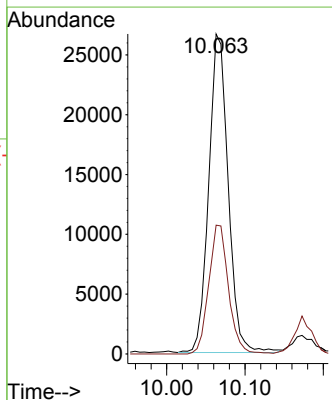
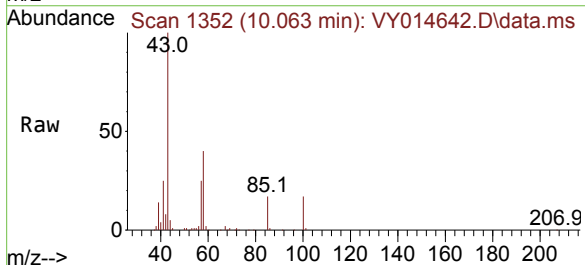
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

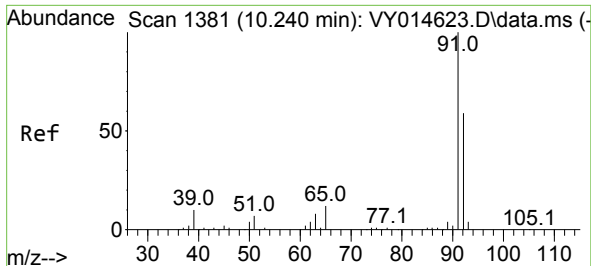
Tgt Ion: 98 Resp: 564897
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#51
4-Methyl-2-Pentanone
Concen: 13.929 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 43 Resp: 45851
Ion Ratio Lower Upper
43 100
58 41.2 29.0 43.6

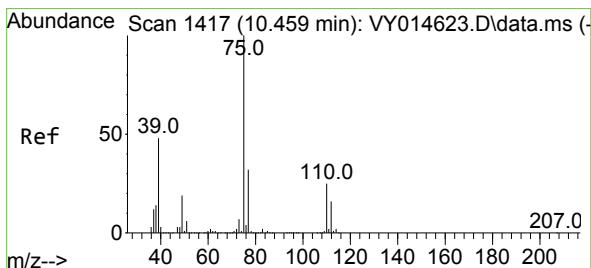
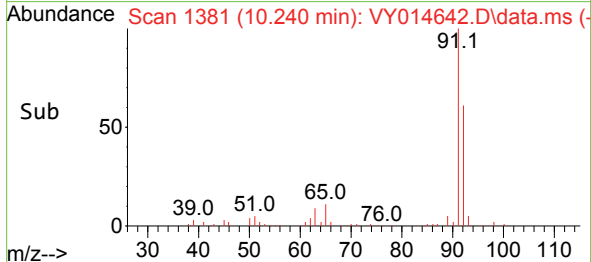
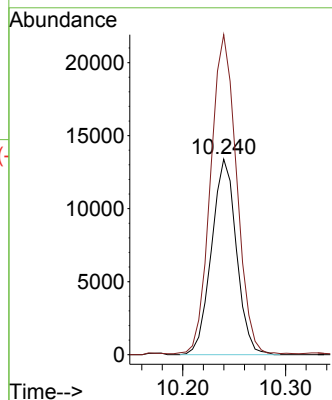
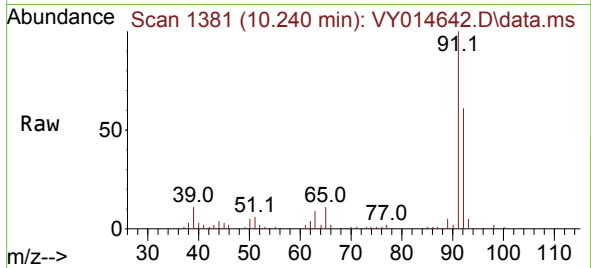




#52
Toluene
Concen: 2.585 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

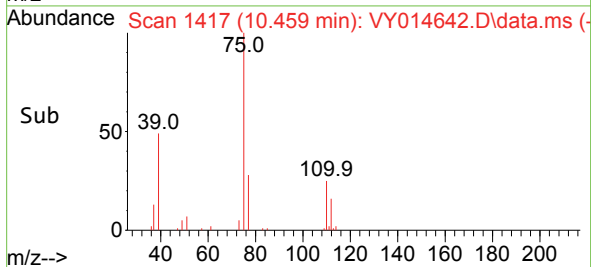
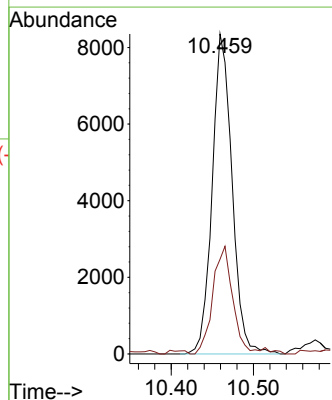
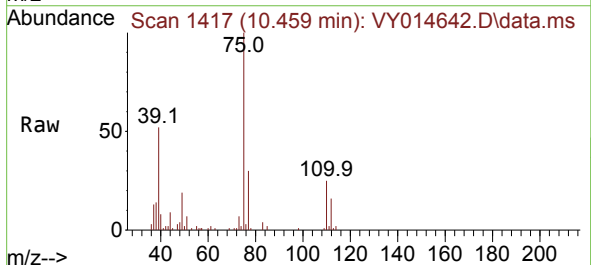
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023

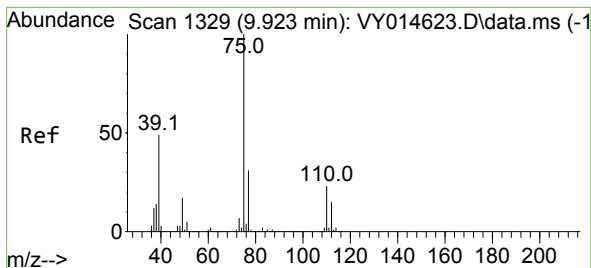
Tgt Ion: 92 Resp: 22489
Ion Ratio Lower Upper
92 100
91 170.4 143.8 215.6



#53
t-1,3-Dichloropropene
Concen: 2.526 ug/l
RT: 10.459 min Scan# 1417
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 75 Resp: 14024
Ion Ratio Lower Upper
75 100
77 28.7 25.0 37.4

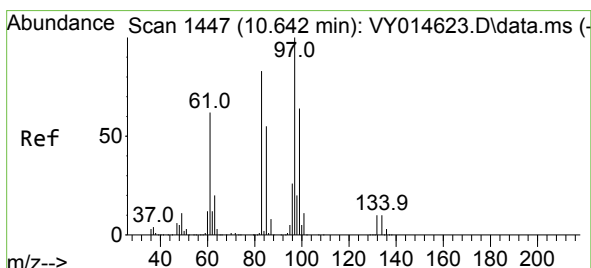
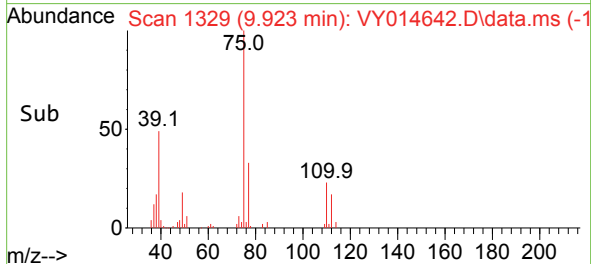
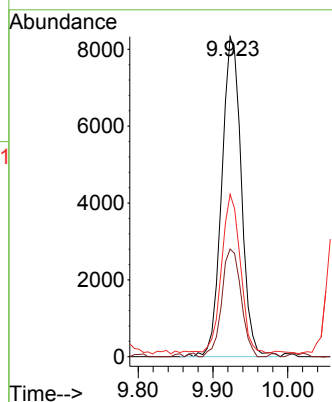
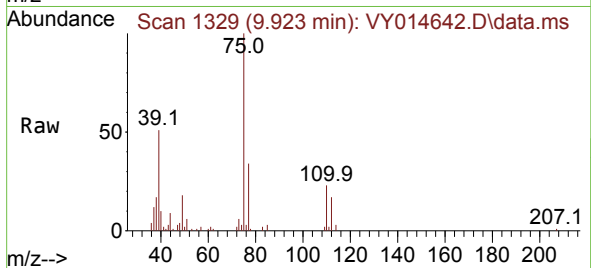




#54
 cis-1,3-Dichloropropene
 Concen: 2.510 ug/l
 RT: 9.923 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

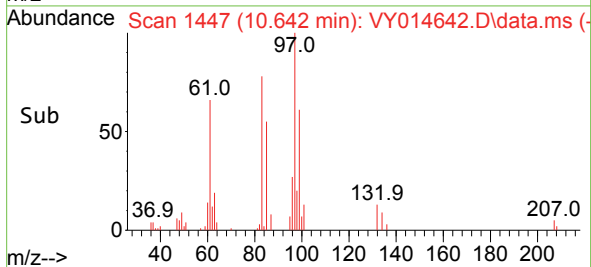
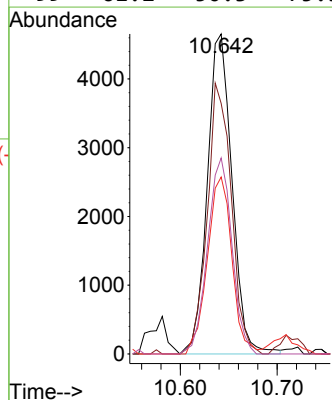
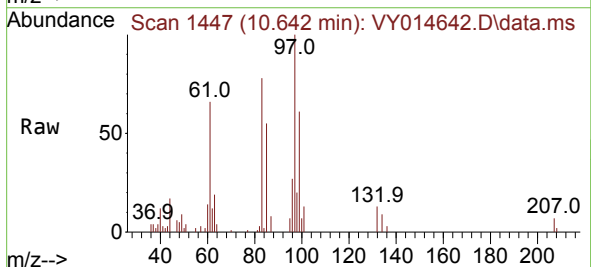
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

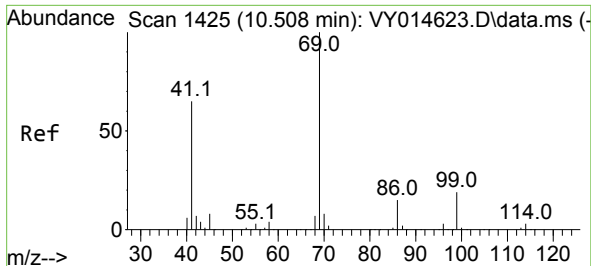
Tgt Ion: 75	Resp:	15153
Ion	Ratio	Lower Upper
75	100	
77	33.7	24.2 36.4
39	49.4	42.2 63.4



#55
 1,1,2-Trichloroethane
 Concen: 2.758 ug/l
 RT: 10.642 min Scan# 1447
 Delta R.T. 0.000 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

Tgt Ion: 97	Resp:	8274
Ion	Ratio	Lower Upper
97	100	
83	78.3	72.0 108.0
85	55.3	45.4 68.0
99	61.2	50.3 75.5

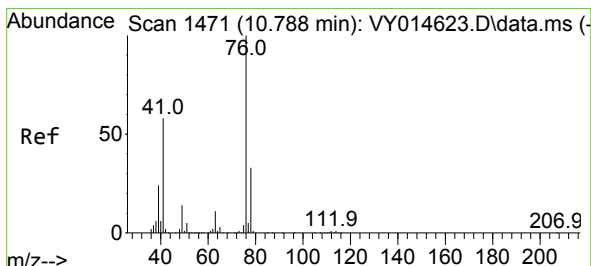
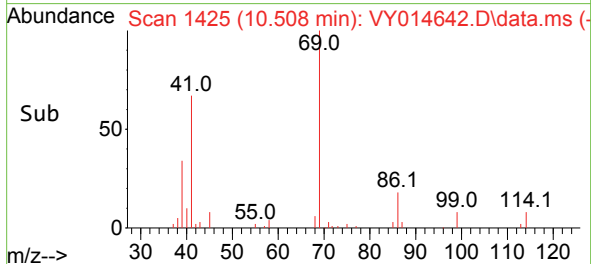
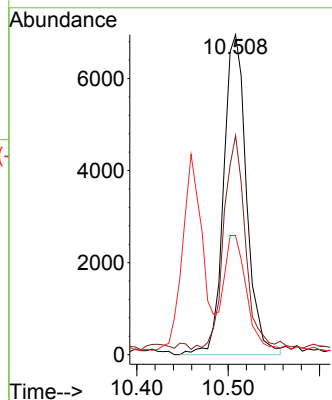
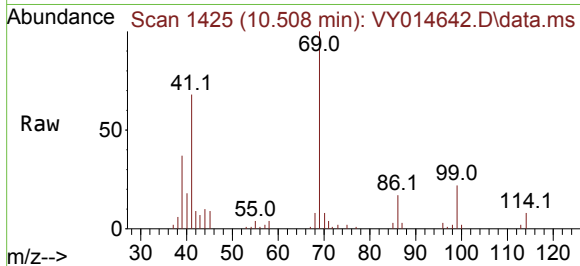




#56
Ethyl methacrylate
Concen: 2.641 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

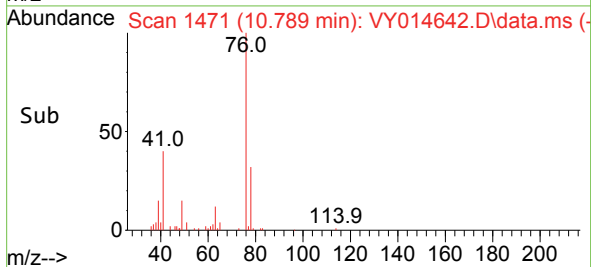
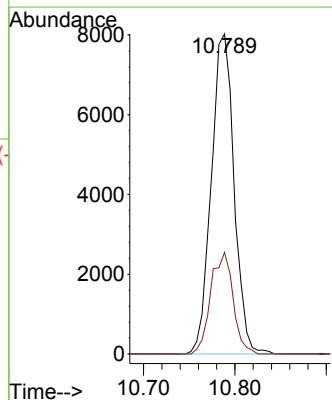
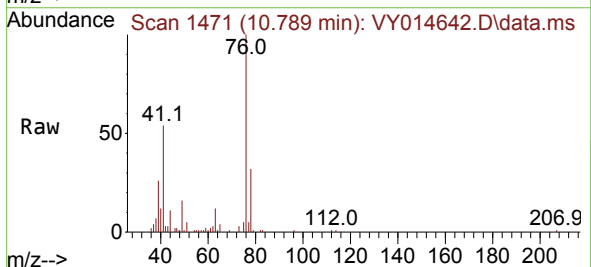
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

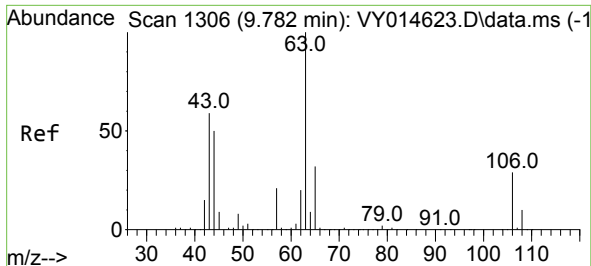
Tgt Ion:	69	Resp:	12098
Ion	Ratio	Lower	Upper
69	100		
41	64.4	57.6	86.4
39	34.8	34.1	51.1



#57
1,3-Dichloropropane
Concen: 2.685 ug/l
RT: 10.789 min Scan# 1471
Delta R.T. 0.001 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:	76	Resp:	13894
Ion	Ratio	Lower	Upper
76	100		
78	31.1	25.3	37.9

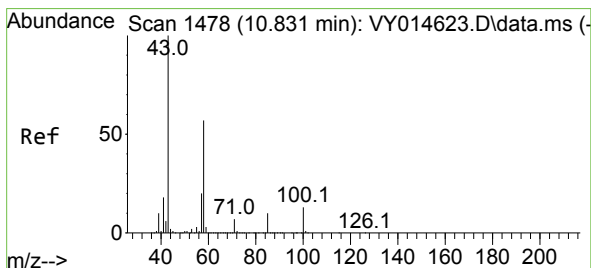
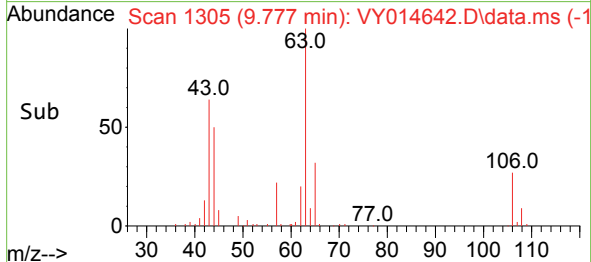
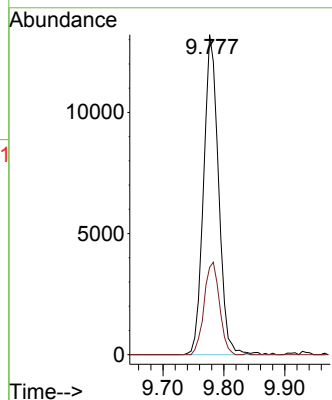
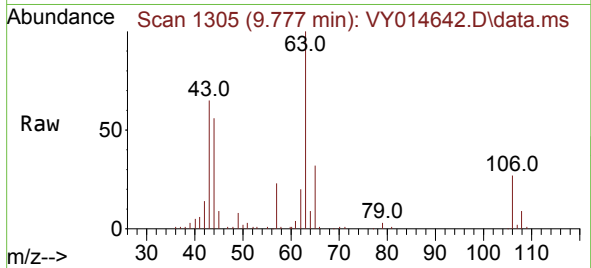




#58
2-Chloroethyl Vinyl ether
Concen: 10.557 ug/l
RT: 9.777 min Scan# 11
Delta R.T. -0.005 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

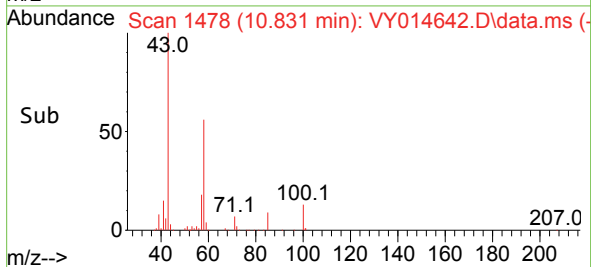
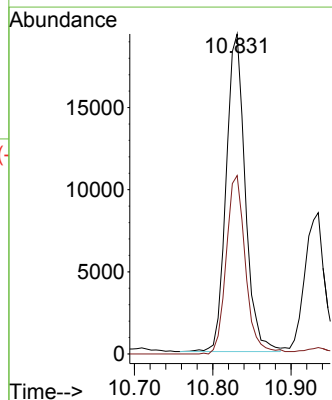
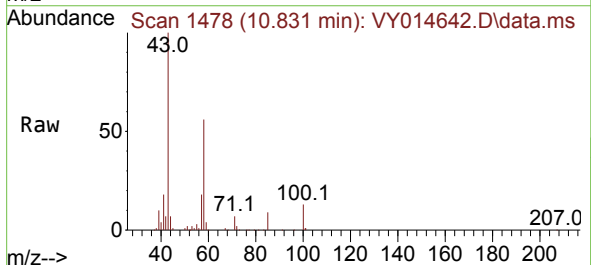
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

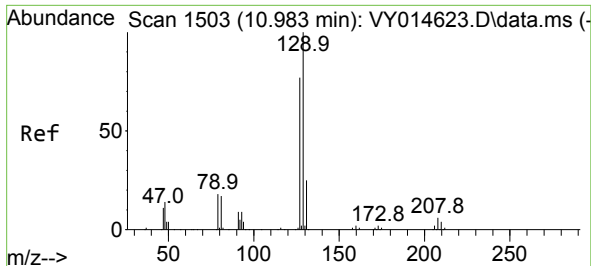
Tgt Ion: 63 Resp: 22532
Ion Ratio Lower Upper
63 100
106 29.7 21.2 31.8



#59
2-Hexanone
Concen: 13.609 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 43 Resp: 32670
Ion Ratio Lower Upper
43 100
58 57.1 25.1 75.3

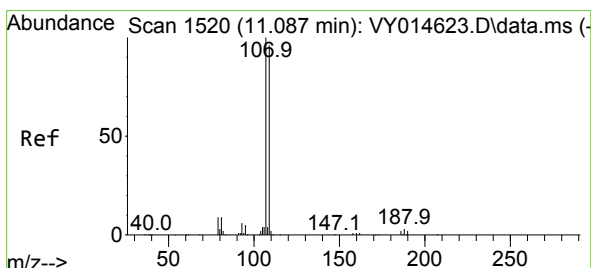
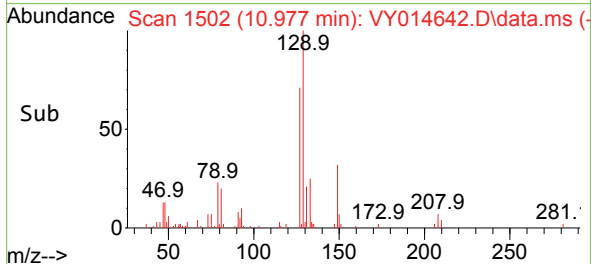
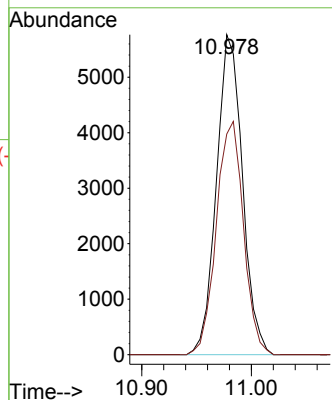
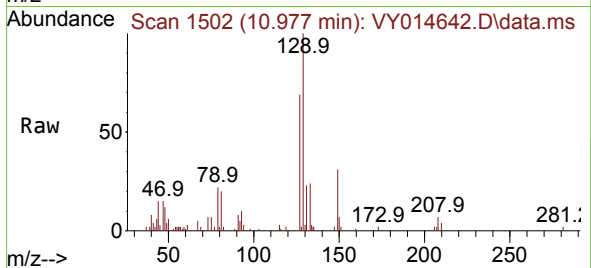




#60
Dibromochloromethane
Concen: 2.587 ug/l
RT: 10.977 min Scan# 1519
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

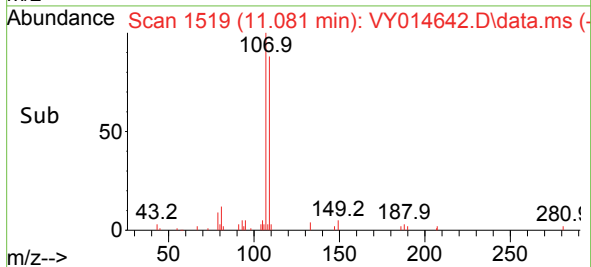
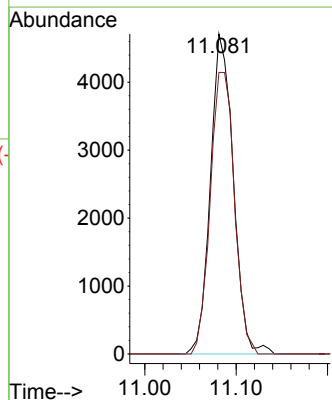
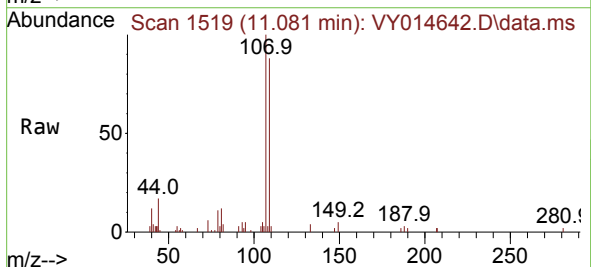
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

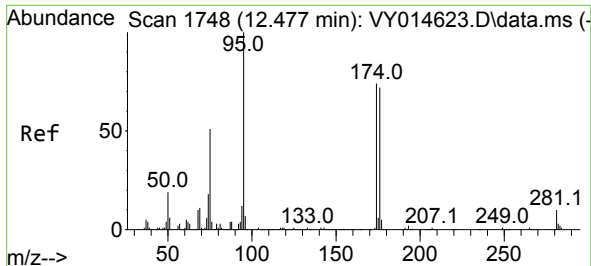
Tgt Ion:129 Resp: 9515
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5



#61
1,2-Dibromoethane
Concen: 2.730 ug/l
RT: 11.081 min Scan# 1519
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:107 Resp: 8169
Ion Ratio Lower Upper
107 100
109 93.1 75.6 113.4

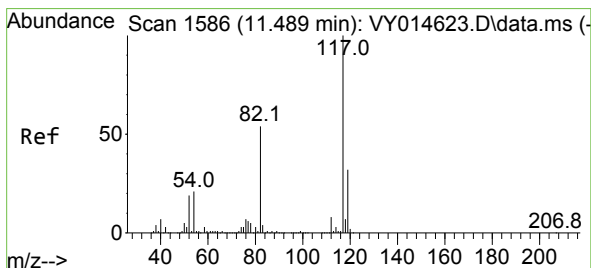
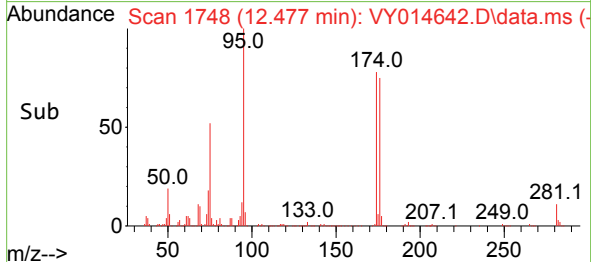
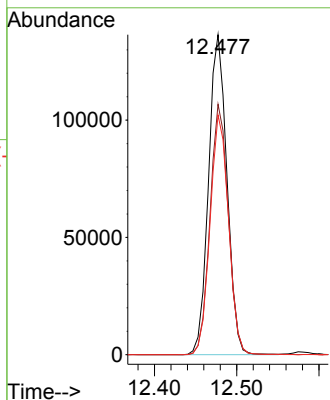
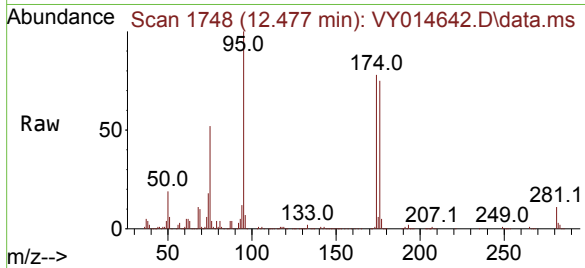




#62
4-Bromofluorobenzene
Concen: 46.886 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

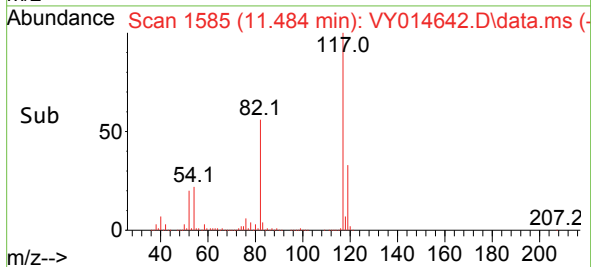
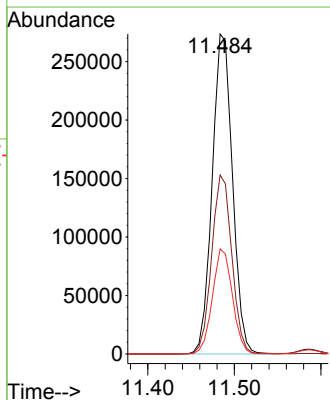
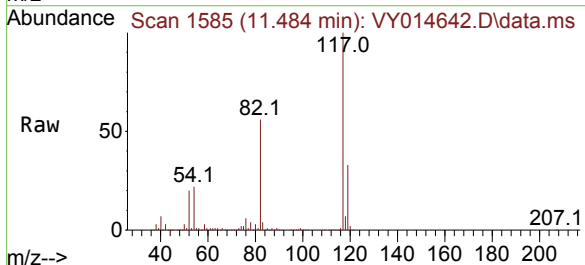
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

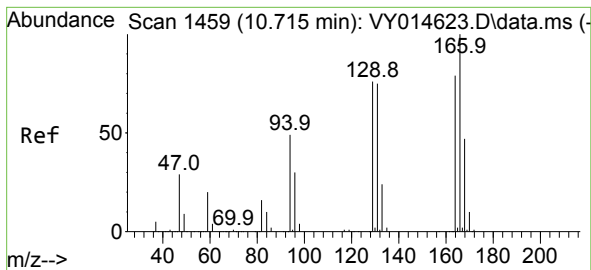
Tgt Ion: 95 Resp: 211869
Ion Ratio Lower Upper
95 100
174 78.2 0.0 178.2
176 75.1 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.484 min Scan# 1585
Delta R.T. -0.005 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 117 Resp: 445408
Ion Ratio Lower Upper
117 100
82 56.0 43.4 65.0
119 32.8 26.3 39.5





#64

Tetrachloroethene

Concen: 2.806 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY014642.D

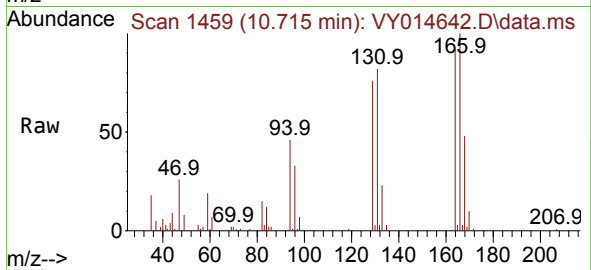
Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:164 Resp: 10051

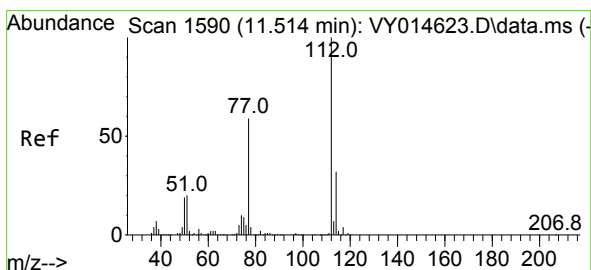
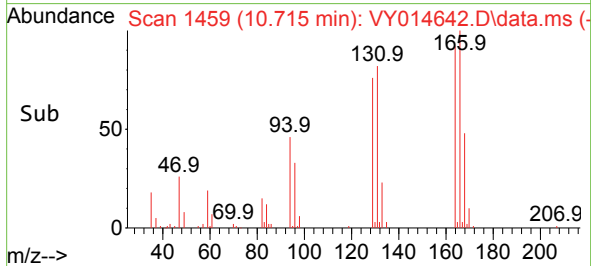
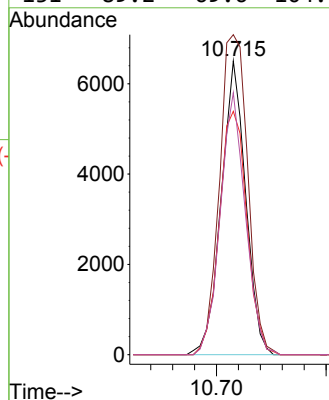
Ion Ratio Lower Upper

164 100

166 108.9 103.0 154.6

129 82.8 77.2 115.8

131 89.2 69.6 104.4



#65

Chlorobenzene

Concen: 2.624 ug/l

RT: 11.514 min Scan# 1590

Delta R.T. 0.000 min

Lab File: VY014642.D

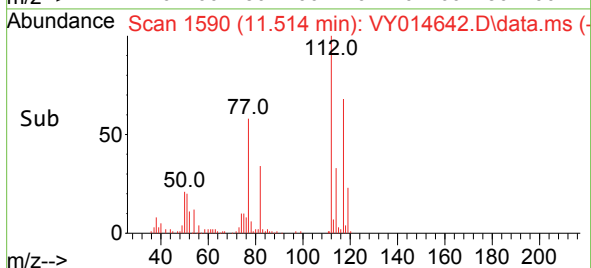
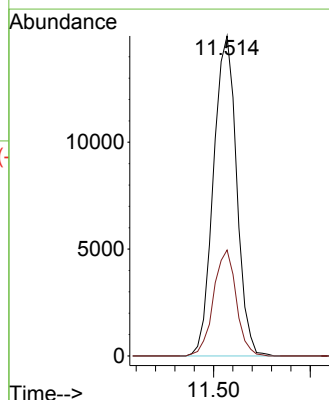
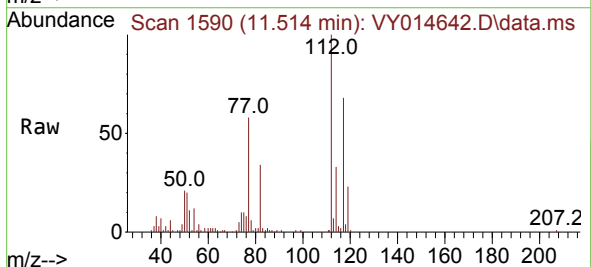
Acq: 14 Jul 2023 13:04

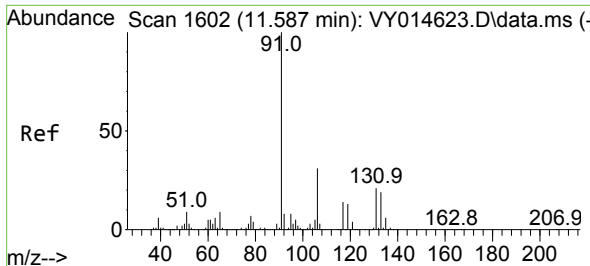
Tgt Ion:112 Resp: 24904

Ion Ratio Lower Upper

112 100

114 33.1 25.5 38.3

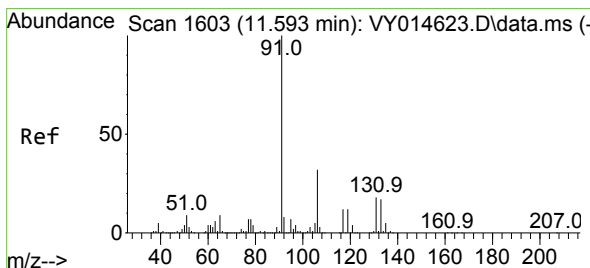
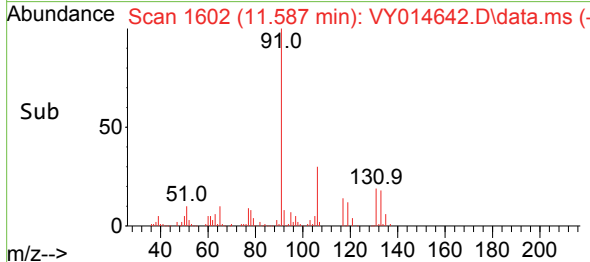
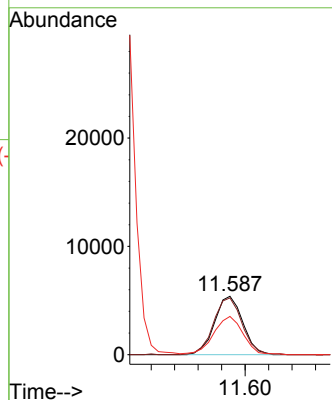
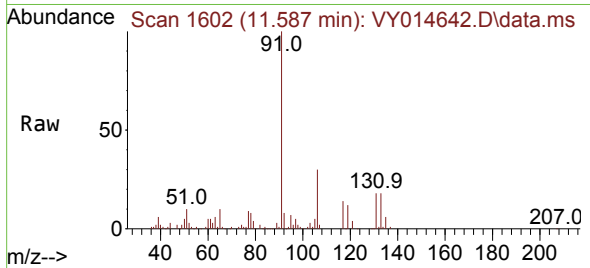




#66
1,1,1,2-Tetrachloroethane
Concen: 2.505 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

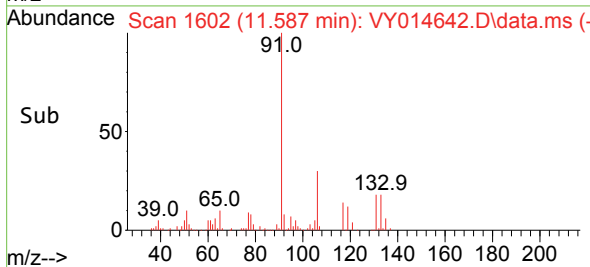
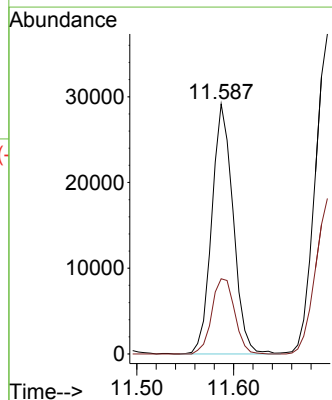
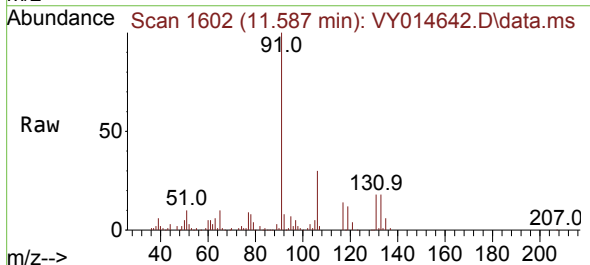
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

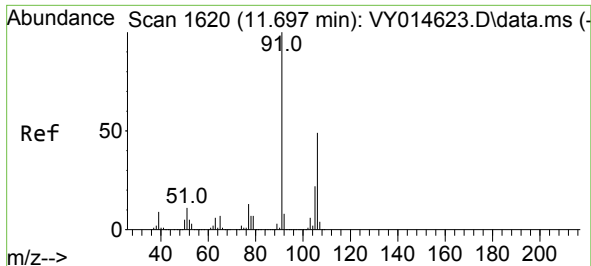
Tgt Ion:131 Resp: 8963
Ion Ratio Lower Upper
131 100
133 99.6 47.5 142.6
119 68.6 31.6 94.7



#67
Ethyl Benzene
Concen: 2.612 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 91 Resp: 44768
Ion Ratio Lower Upper
91 100
106 30.1 24.6 36.8

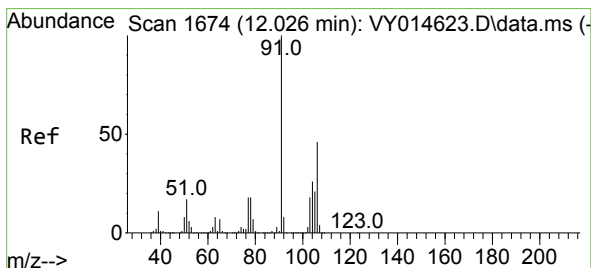
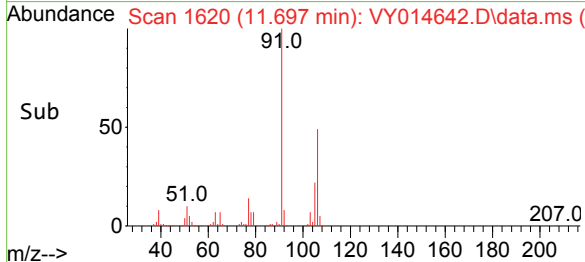
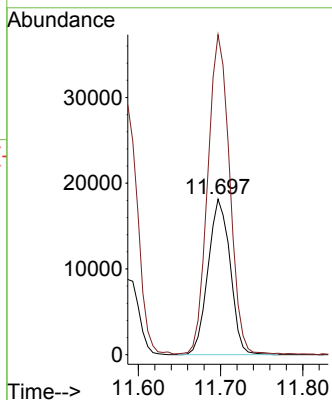
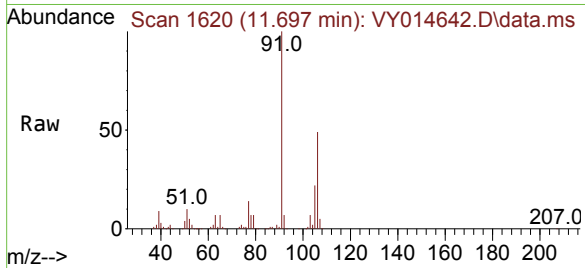




#68
m/p-Xylenes
Concen: 5.173 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

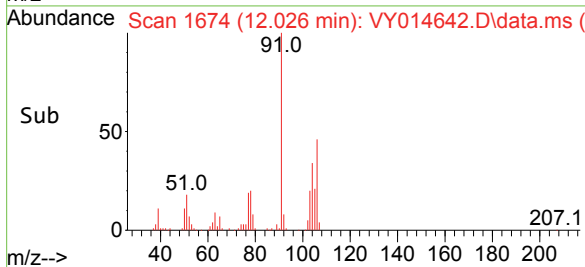
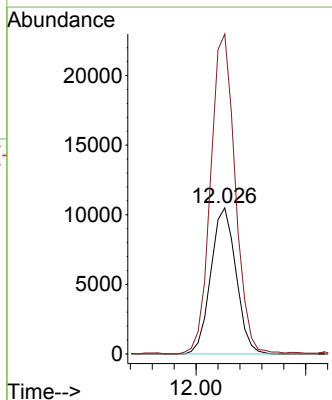
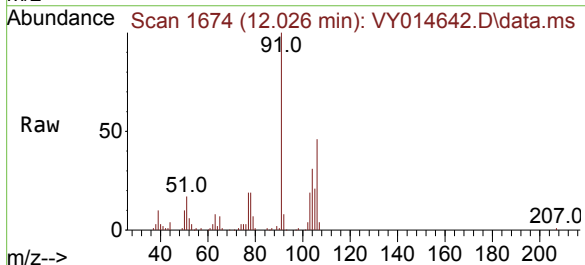
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

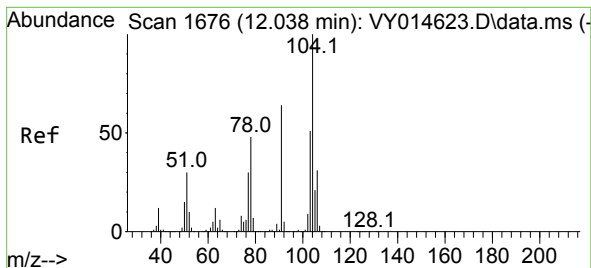
Tgt Ion:106 Resp: 33839
Ion Ratio Lower Upper
106 100
91 205.6 166.1 249.1



#69
o-Xylene
Concen: 2.627 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:106 Resp: 16738
Ion Ratio Lower Upper
106 100
91 214.7 108.1 324.3





#70

Styrene

Concen: 2.606 ug/l

RT: 12.044 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

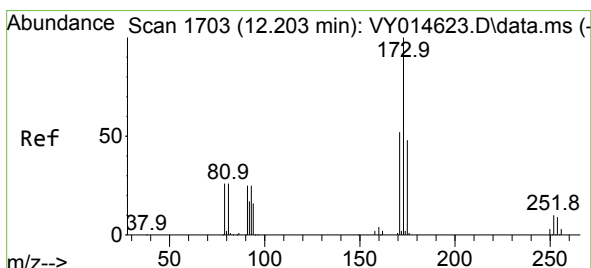
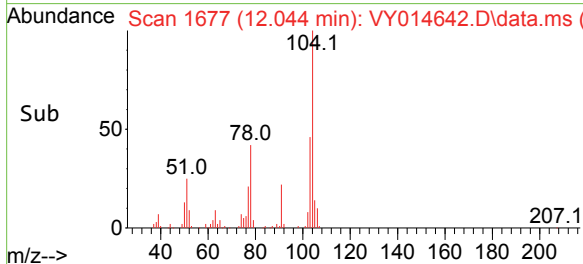
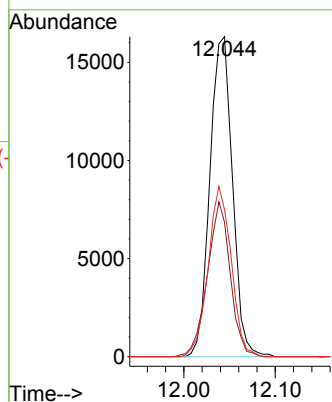
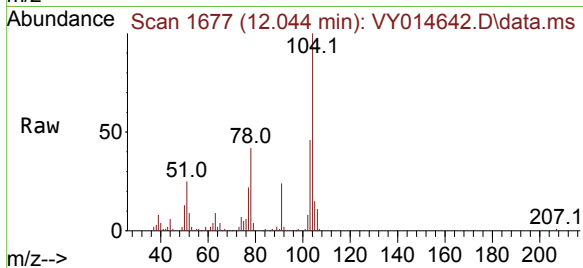
Tgt Ion:104 Resp: 27981

Ion Ratio Lower Upper

104 100

78 48.9 41.5 62.3

103 54.4 44.6 67.0



#71

Bromoform

Concen: 2.569 ug/l

RT: 12.209 min Scan# 1704

Delta R.T. 0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

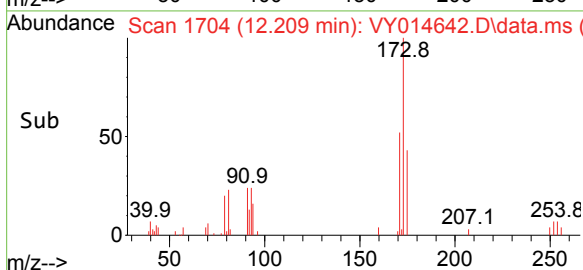
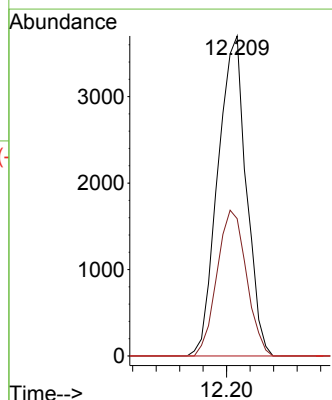
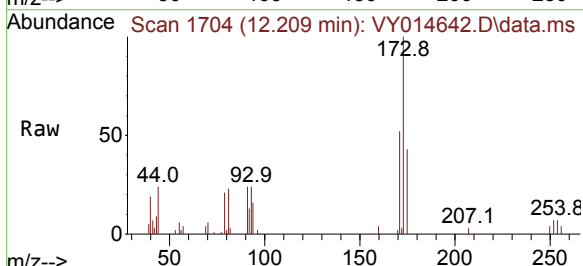
Tgt Ion:173 Resp: 6231

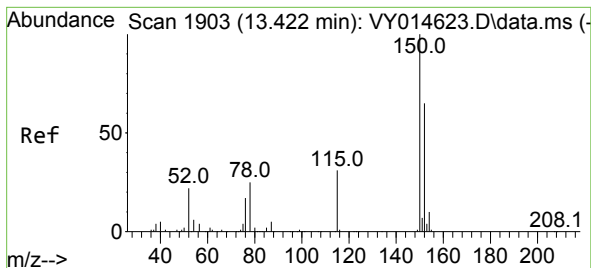
Ion Ratio Lower Upper

173 100

175 47.1 24.6 73.8

254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014642.D

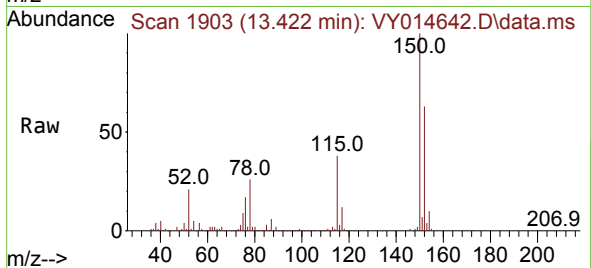
Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



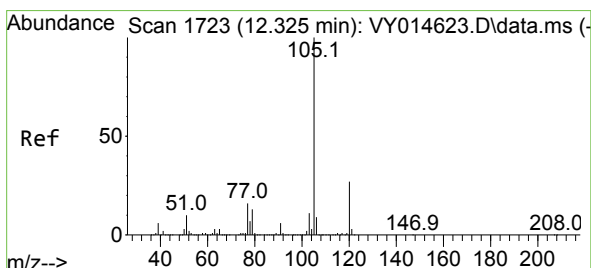
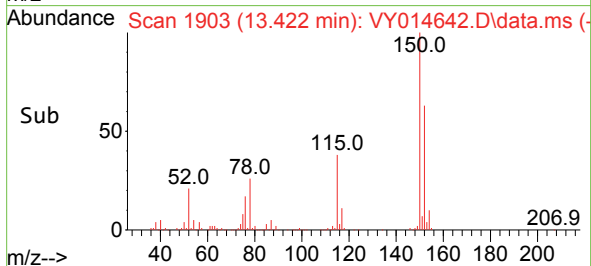
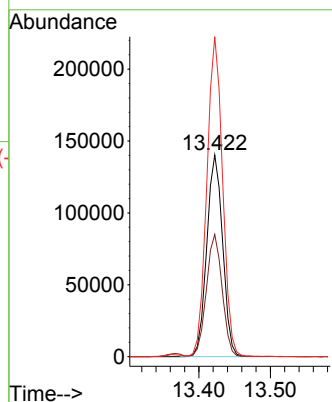
Tgt Ion:152 Resp: 216108

Ion Ratio Lower Upper

152 100

115 60.2 28.8 86.5

150 157.5 0.0 348.8



#73

Isopropylbenzene

Concen: 2.614 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY014642.D

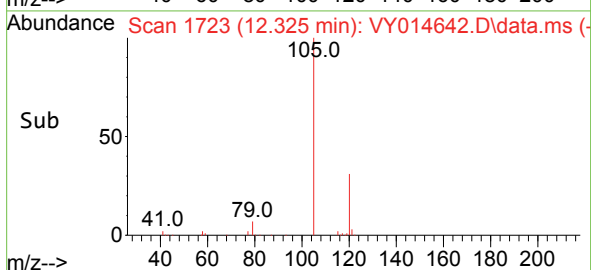
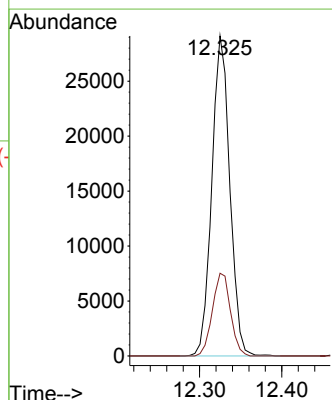
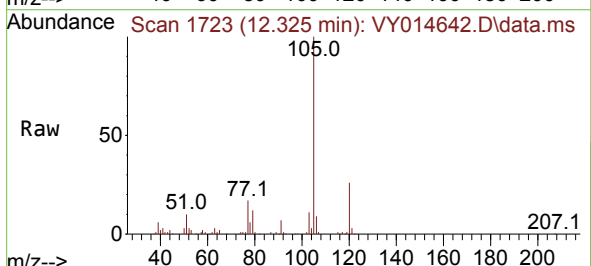
Acq: 14 Jul 2023 13:04

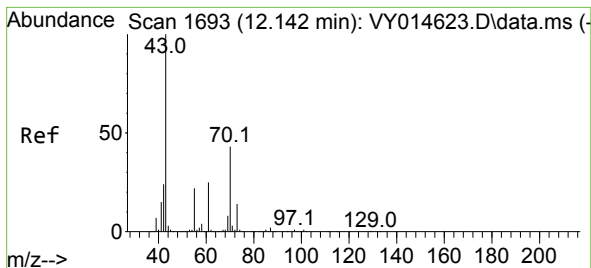
Tgt Ion:105 Resp: 44239

Ion Ratio Lower Upper

105 100

120 25.9 13.3 39.9





#74

N-amy1 acetate

Concen: 2.477 ug/l

RT: 12.142 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014642.D

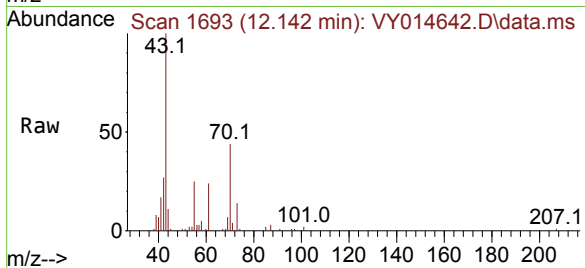
Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 14040

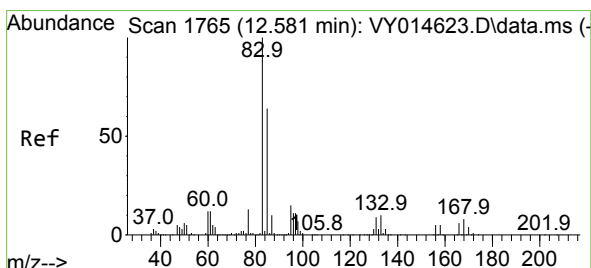
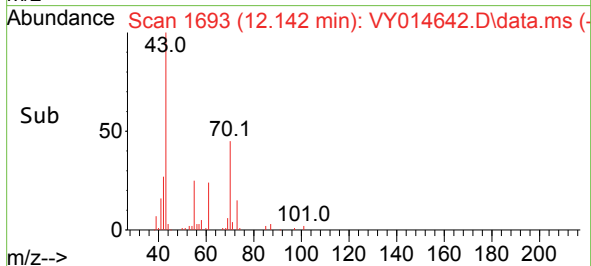
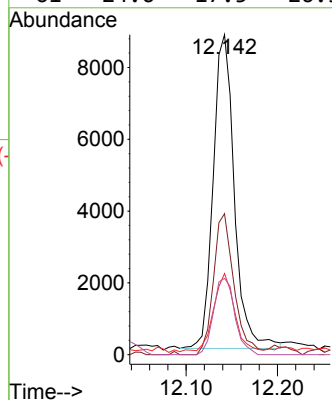
Ion Ratio Lower Upper

43 100

70 43.8 29.7 44.5

55 24.7 18.3 27.5

61 24.6 17.5 26.3



#75

1,1,2,2-Tetrachloroethane

Concen: 2.755 ug/l

RT: 12.581 min Scan# 1765

Delta R.T. -0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

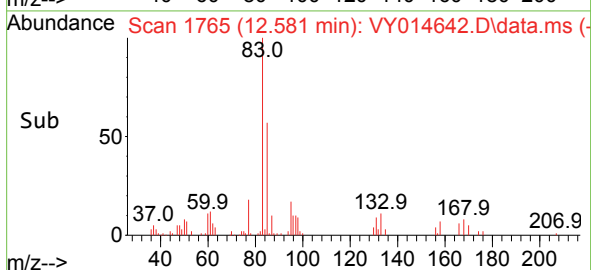
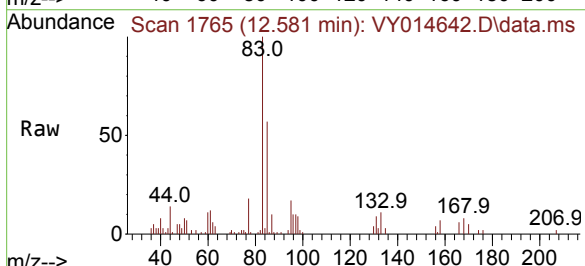
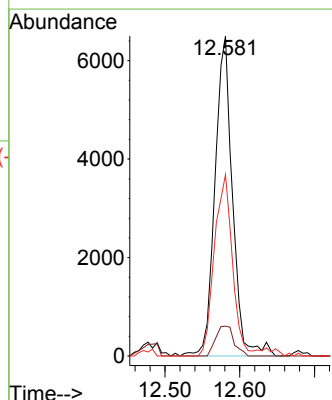
Tgt Ion: 83 Resp: 10630

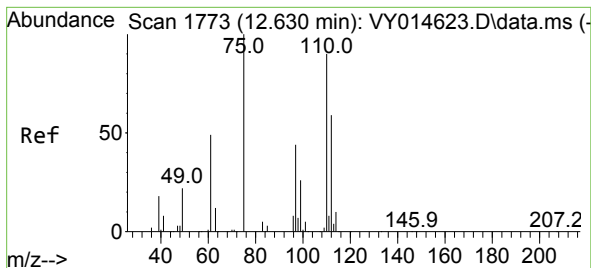
Ion Ratio Lower Upper

83 100

131 9.7 5.4 16.2

85 58.0 31.8 95.4





#76

1,2,3-Trichloropropane

Concen: 5.050 ug/l

RT: 12.630 min Scan# 1773

Delta R.T. -0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

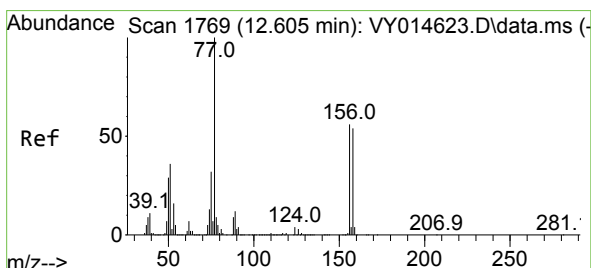
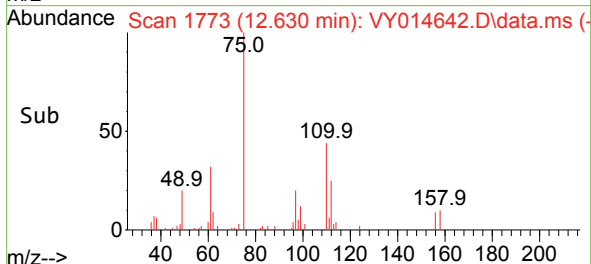
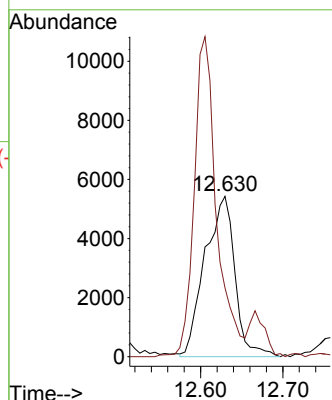
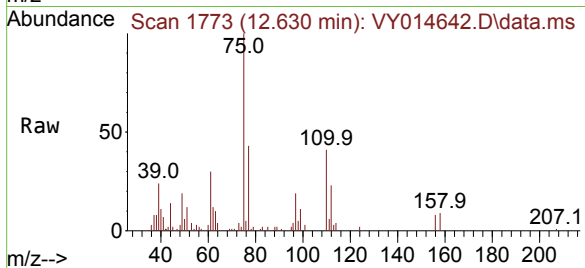
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 75 Resp: 13784

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



#77

Bromobenzene

Concen: 2.571 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

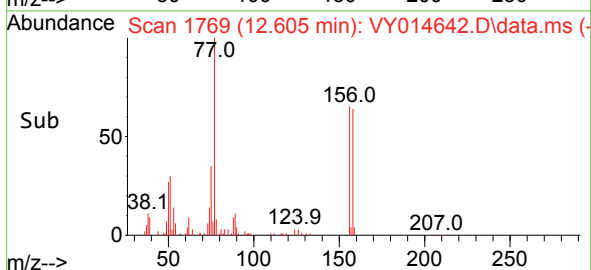
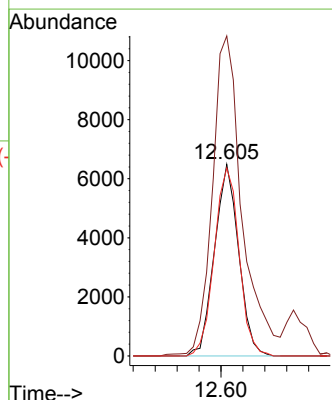
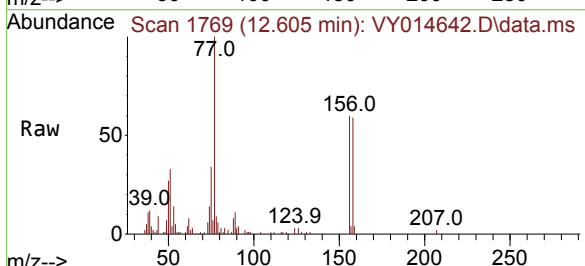
Tgt Ion: 156 Resp: 9929

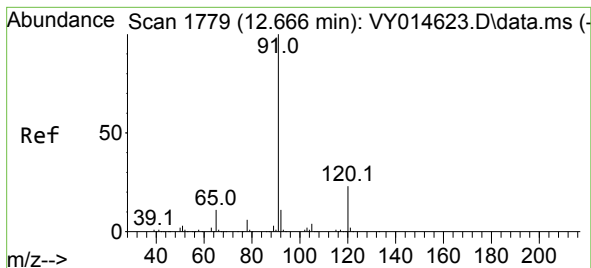
Ion Ratio Lower Upper

156 100

77 206.0 92.8 278.6

158 100.8 48.4 145.3





#78

n-propylbenzene

Concen: 2.564 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

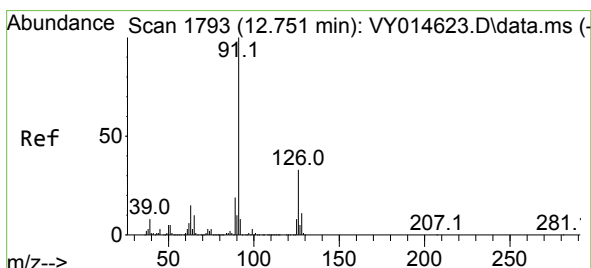
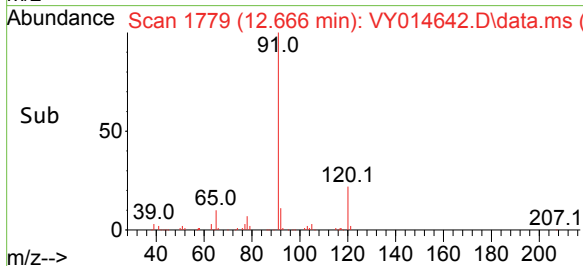
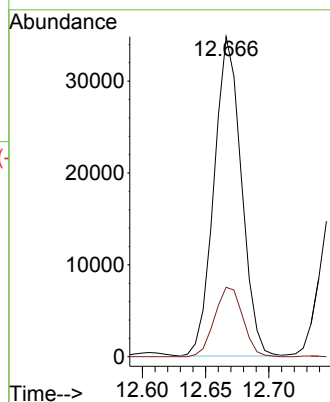
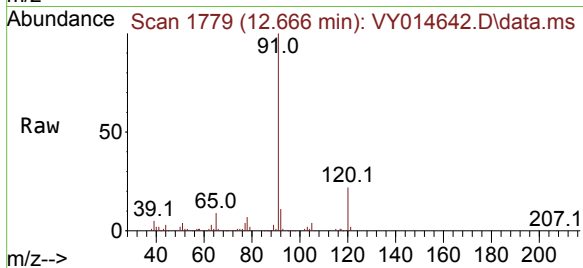
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 52275

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4



#79

2-Chlorotoluene

Concen: 2.551 ug/l

RT: 12.752 min Scan# 1793

Delta R.T. 0.001 min

Lab File: VY014642.D

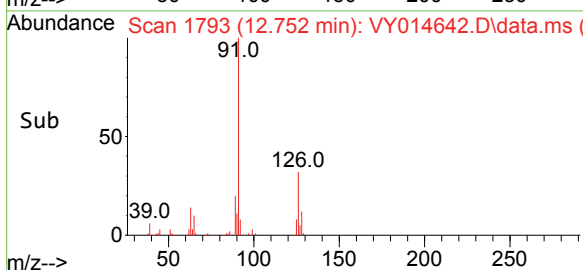
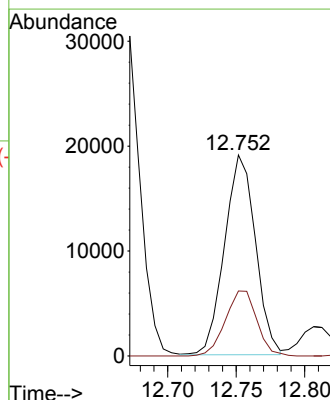
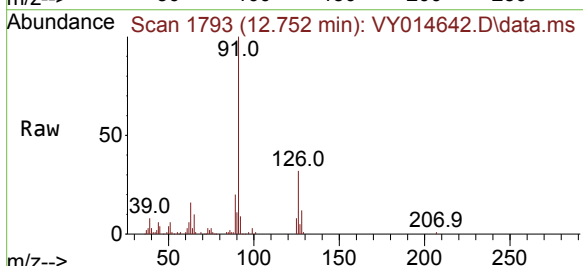
Acq: 14 Jul 2023 13:04

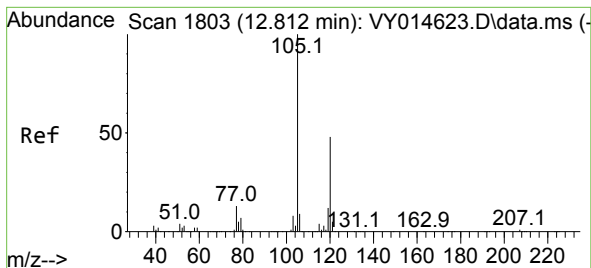
Tgt Ion: 91 Resp: 29962

Ion Ratio Lower Upper

91 100

126 33.1 17.3 51.7





#80

1,3,5-Trimethylbenzene

Concen: 2.650 ug/l

RT: 12.806 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

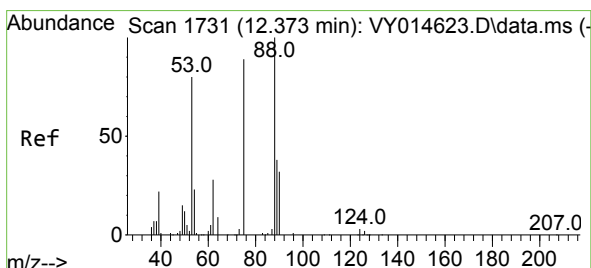
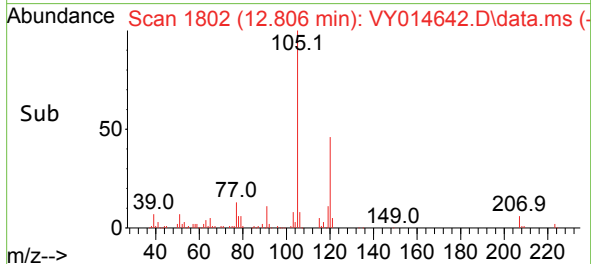
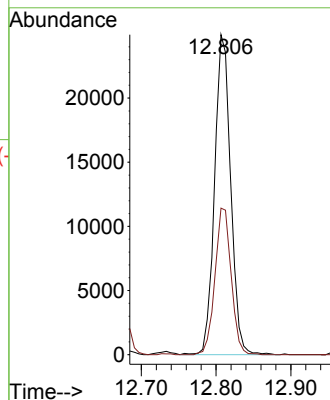
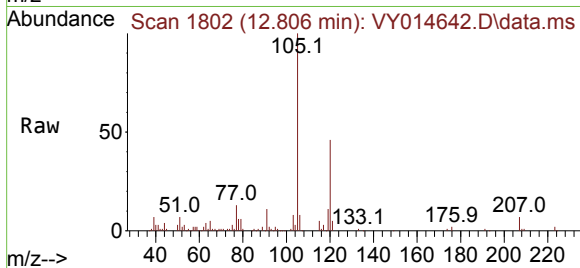
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:105 Resp: 37445

Ion Ratio Lower Upper

105 100

120 46.1 23.9 71.7



#81

trans-1,4-Dichloro-2-butene

Concen: 2.554 ug/l

RT: 12.374 min Scan# 1731

Delta R.T. 0.001 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

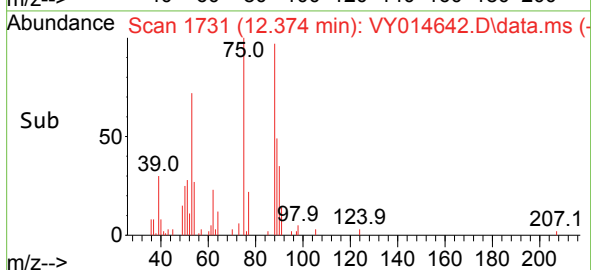
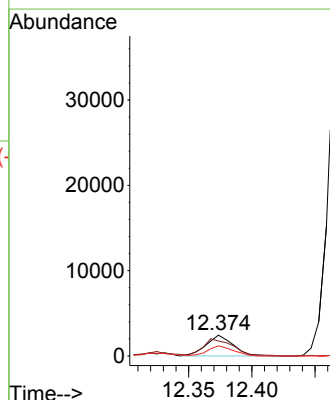
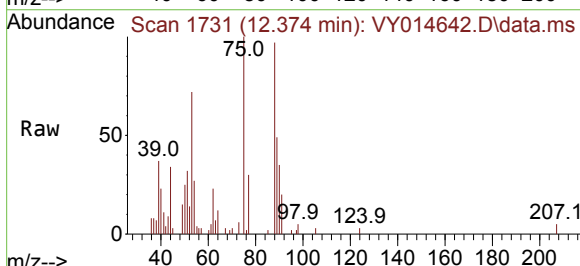
Tgt Ion: 75 Resp: 3601

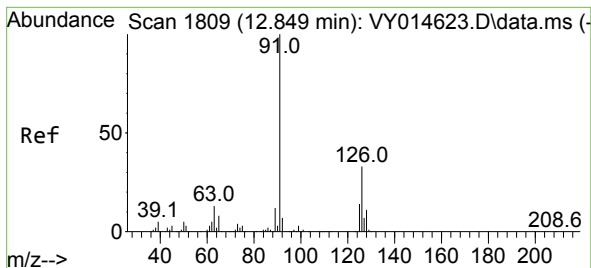
Ion Ratio Lower Upper

75 100

53 91.5 77.8 116.8

89 45.6 37.4 56.0

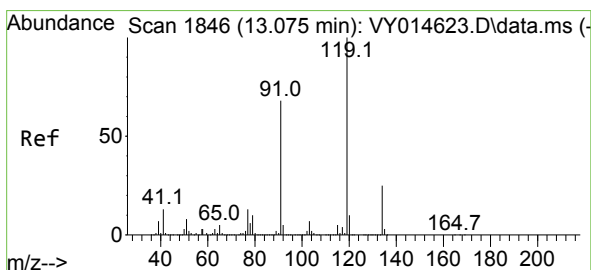
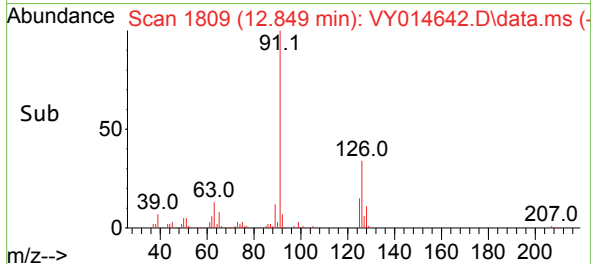
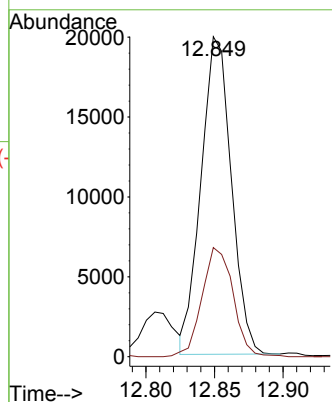
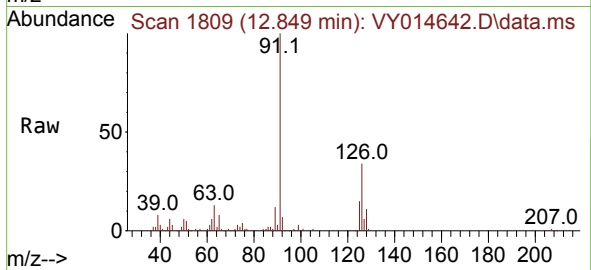




#82
4-Chlorotoluene
Concen: 2.526 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. 0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

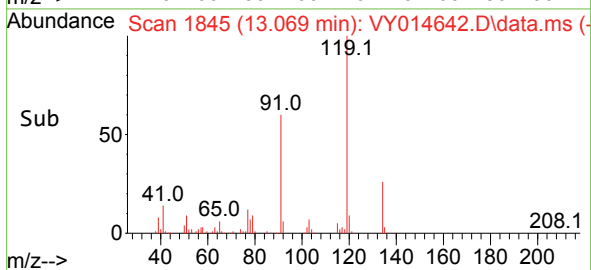
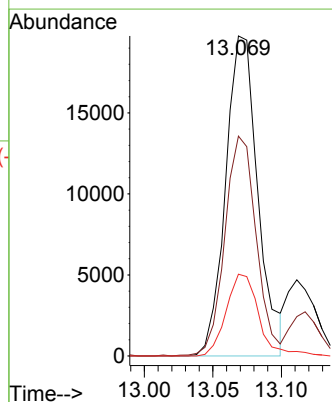
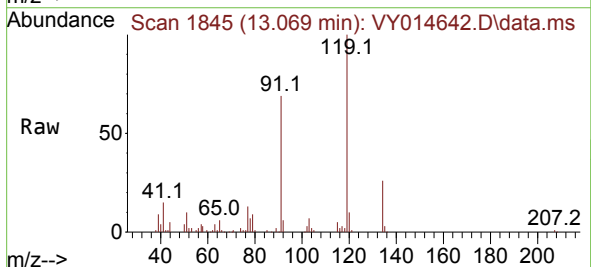
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

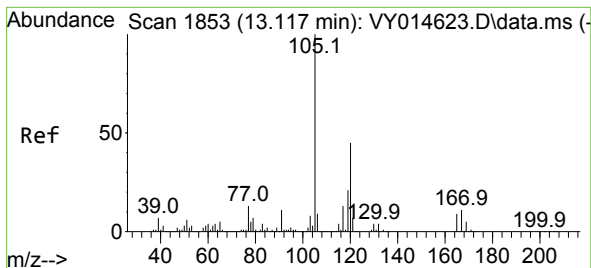
Tgt Ion: 91 Resp: 30557
Ion Ratio Lower Upper
91 100
126 35.2 17.2 51.6



#83
tert-Butylbenzene
Concen: 2.585 ug/l
RT: 13.069 min Scan# 1845
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 119 Resp: 32409
Ion Ratio Lower Upper
119 100
91 66.9 32.9 98.6
134 25.9 13.0 38.9





#84

1,2,4-Trimethylbenzene

Concen: 2.633 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

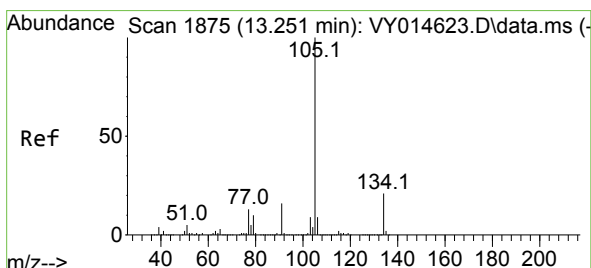
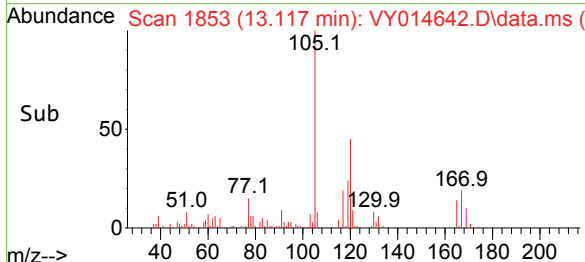
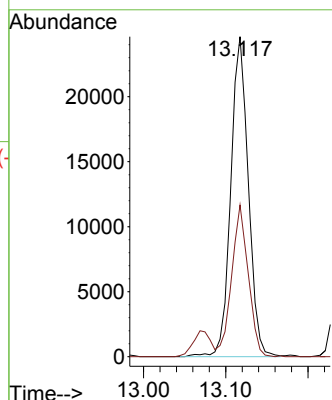
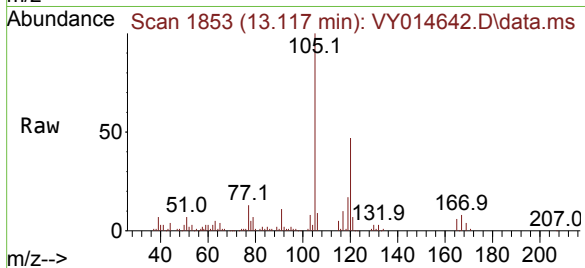
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:105 Resp: 36513

Ion Ratio Lower Upper

105 100

120 45.0 22.2 66.6



#85

sec-Butylbenzene

Concen: 2.583 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014642.D

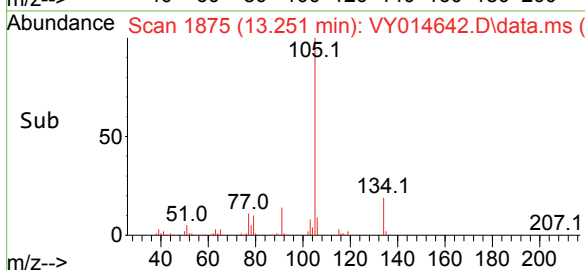
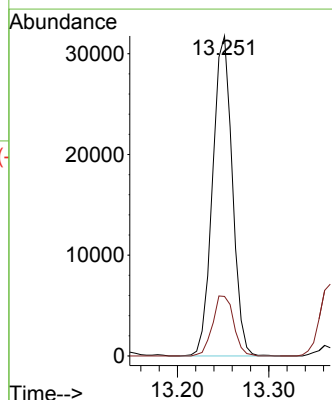
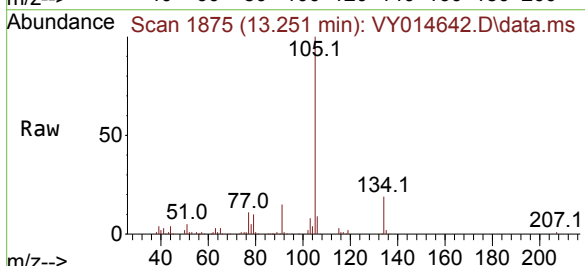
Acq: 14 Jul 2023 13:04

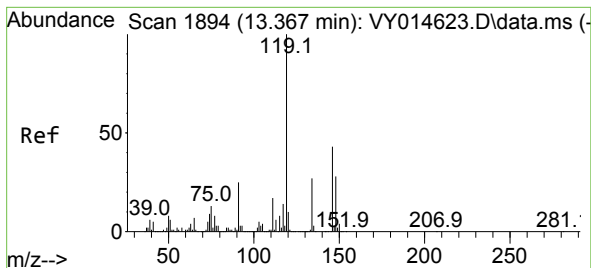
Tgt Ion:105 Resp: 47500

Ion Ratio Lower Upper

105 100

134 20.0 10.2 30.6





#86

p-Isopropyltoluene

Concen: 2.587 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

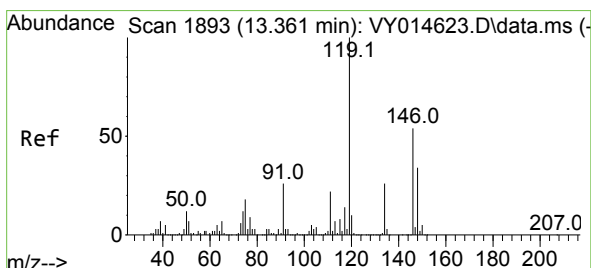
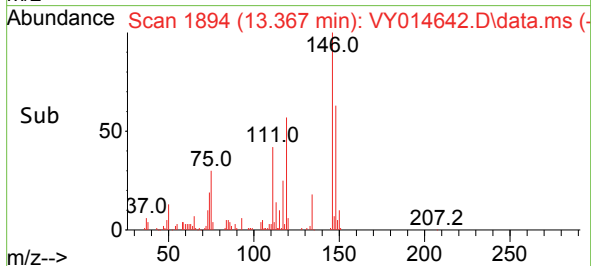
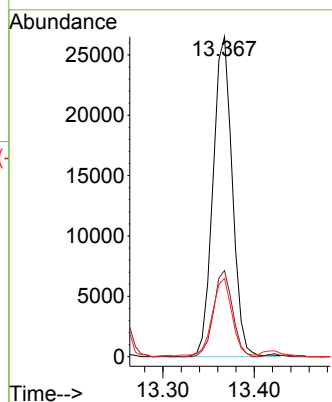
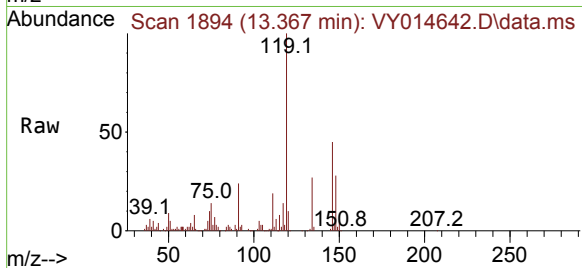
Tgt Ion:119 Resp: 38841

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

91 25.8 12.4 37.4



#87

1,3-Dichlorobenzene

Concen: 2.693 ug/l

RT: 13.361 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

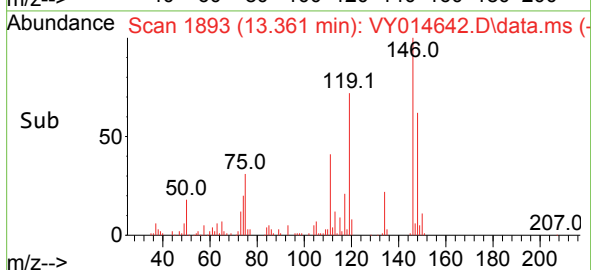
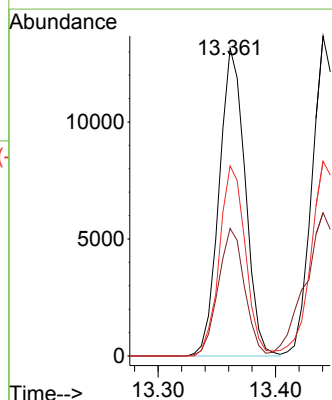
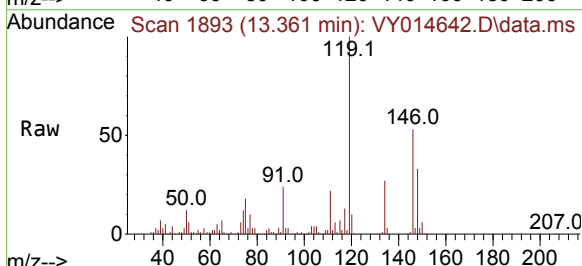
Tgt Ion:146 Resp: 20244

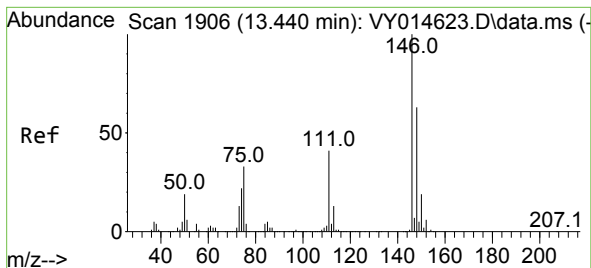
Ion Ratio Lower Upper

146 100

111 41.8 19.4 58.2

148 61.7 31.9 95.5





#88

1,4-Dichlorobenzene

Concen: 2.743 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY014642.D

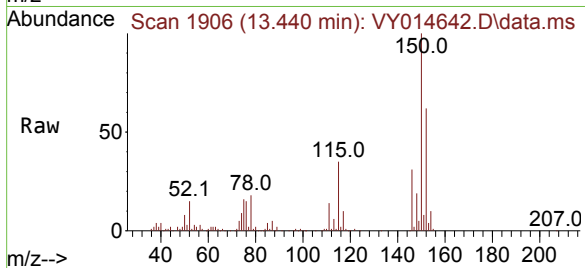
Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



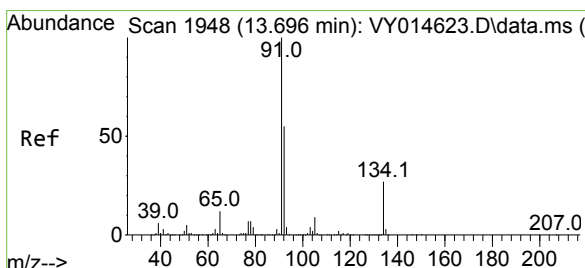
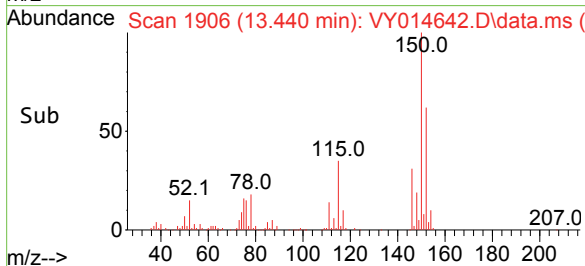
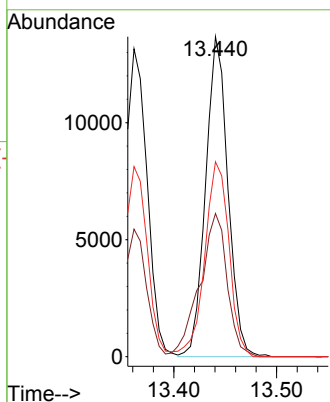
Tgt Ion:146 Resp: 20663

Ion Ratio Lower Upper

146 100

111 55.2 18.9 56.7

148 66.0 32.1 96.5



#89

n-Butylbenzene

Concen: 2.535 ug/l

RT: 13.690 min Scan# 1947

Delta R.T. -0.006 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

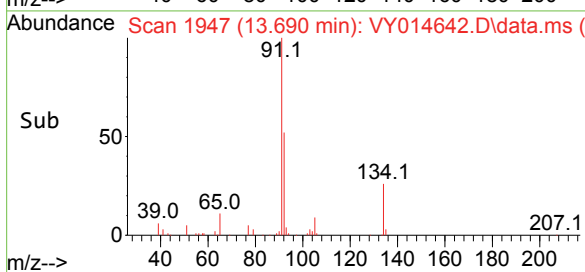
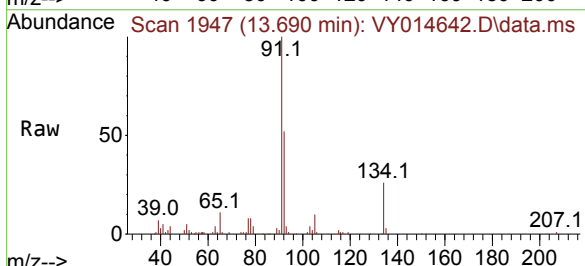
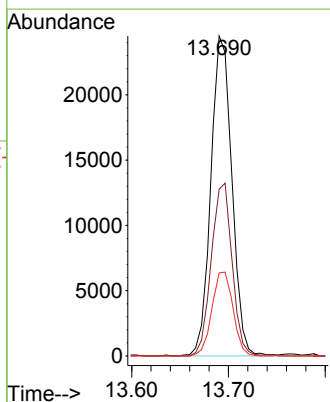
Tgt Ion: 91 Resp: 37029

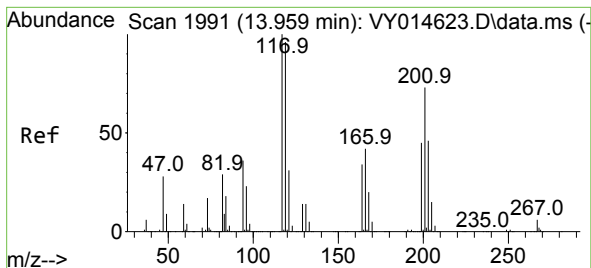
Ion Ratio Lower Upper

91 100

92 53.4 25.4 76.0

134 26.3 12.6 37.6





#90

Hexachloroethane

Concen: 2.553 ug/l

RT: 13.959 min Scan# 1991

Delta R.T. -0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

Instrument :

MSVOA_Y

ClientSampleId :

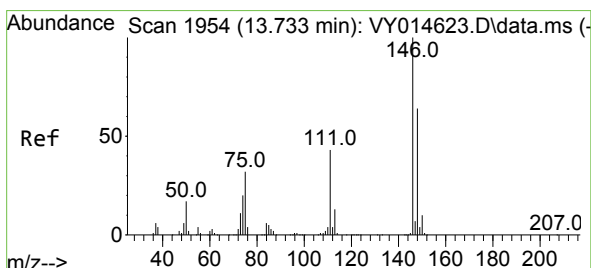
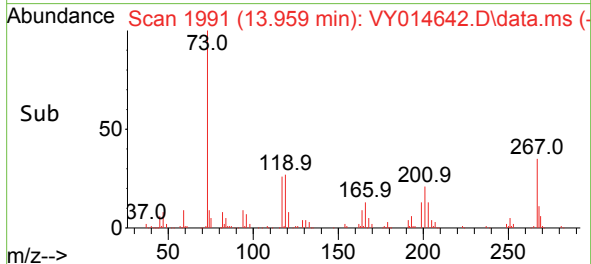
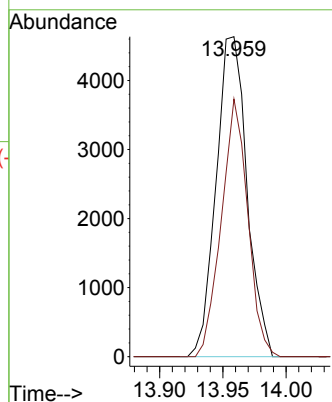
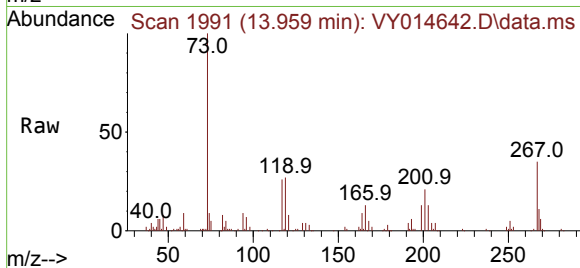
LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:117 Resp: 7872

Ion Ratio Lower Upper

117 100

201 68.9 41.6 124.8



#91

1,2-Dichlorobenzene

Concen: 2.600 ug/l

RT: 13.733 min Scan# 1954

Delta R.T. 0.000 min

Lab File: VY014642.D

Acq: 14 Jul 2023 13:04

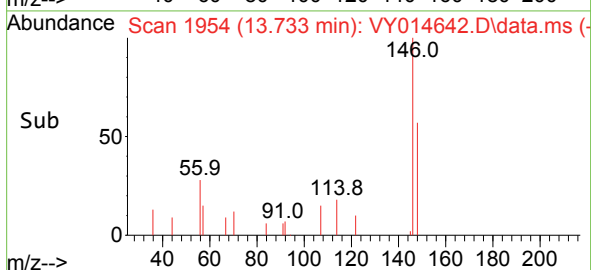
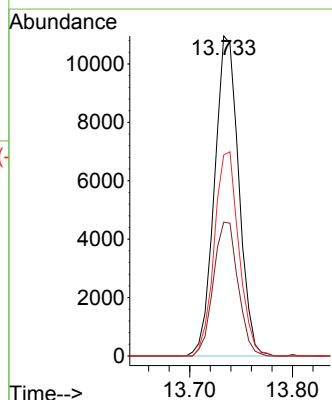
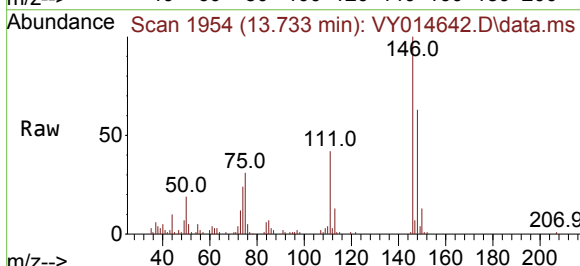
Tgt Ion:146 Resp: 17909

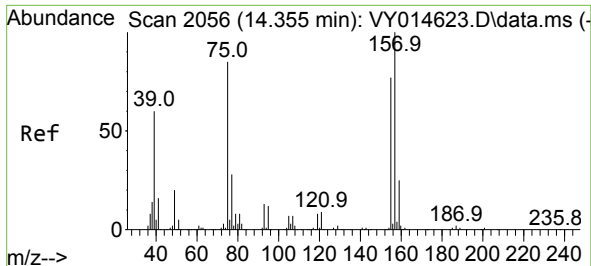
Ion Ratio Lower Upper

146 100

111 42.6 19.7 59.0

148 64.7 32.0 96.2

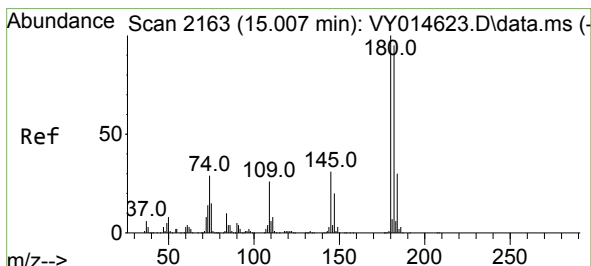
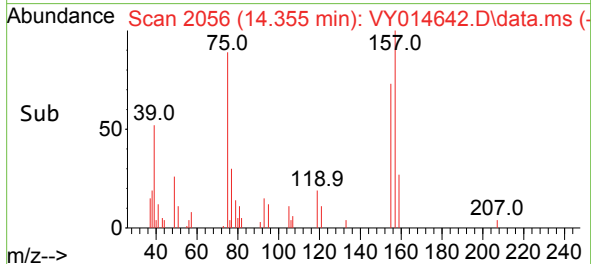
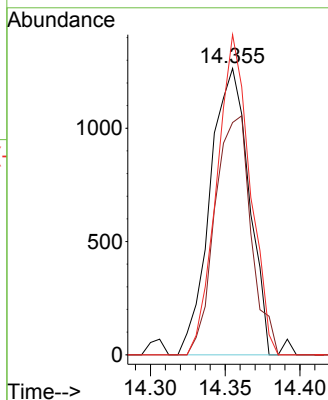
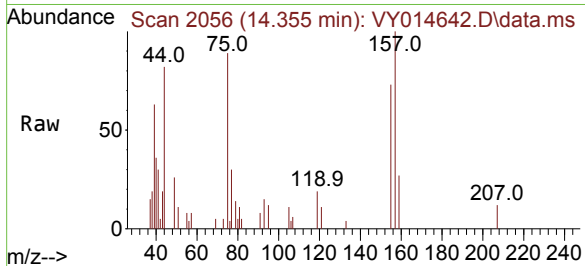




#92
1,2-Dibromo-3-Chloropropane
Concen: 3.087 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

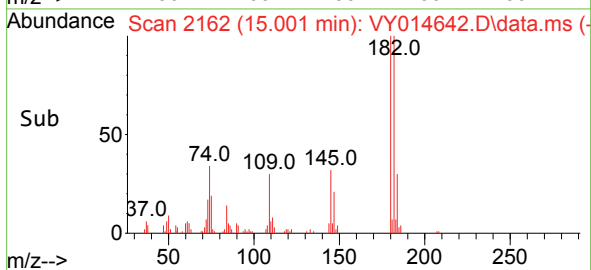
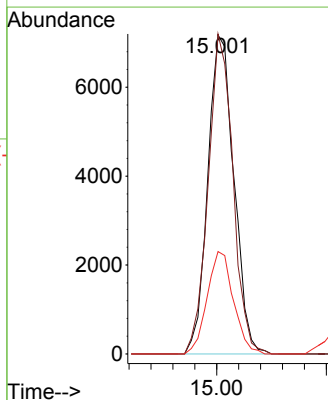
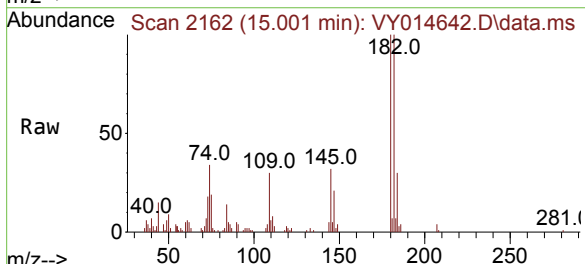
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

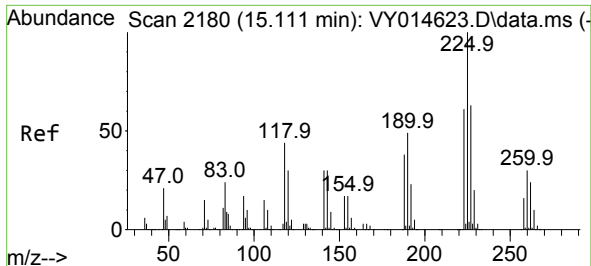
Tgt Ion: 75 Resp: 2278
Ion Ratio Lower Upper
75 100
155 77.9 41.5 124.6
157 95.7 51.8 155.5



#93
1,2,4-Trichlorobenzene
Concen: 2.712 ug/l
RT: 15.001 min Scan# 2162
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion: 180 Resp: 11857
Ion Ratio Lower Upper
180 100
182 95.2 47.0 141.2
145 32.3 14.5 43.5

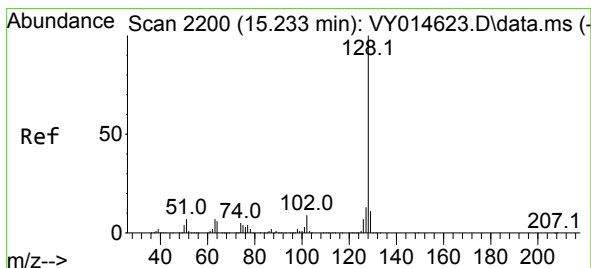
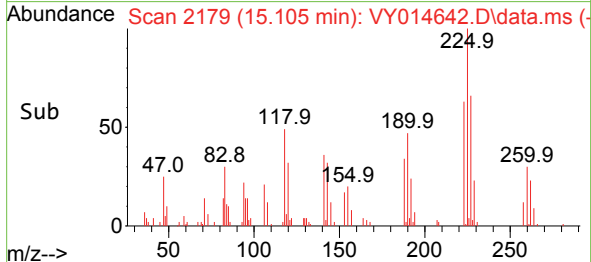
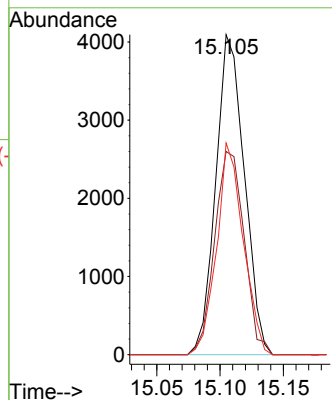
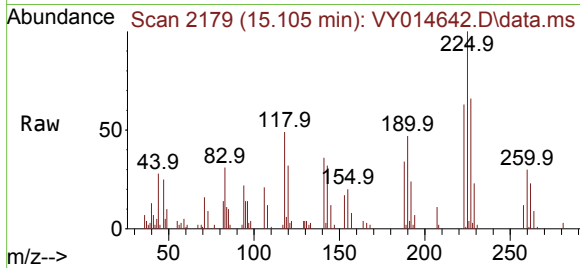




#94
Hexachlorobutadiene
Concen: 2.676 ug/l
RT: 15.105 min Scan# 2180
Delta R.T. -0.006 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

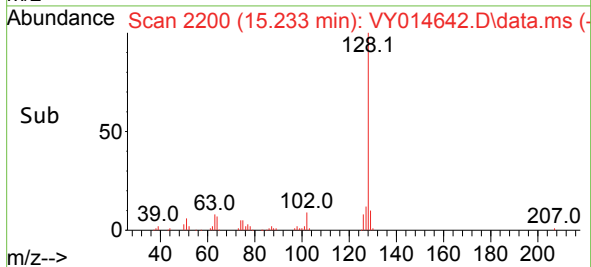
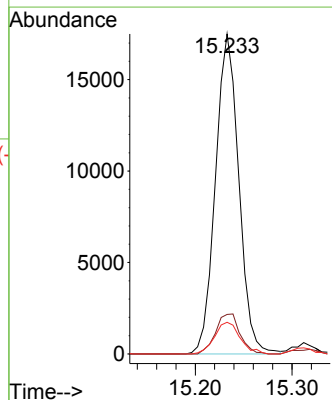
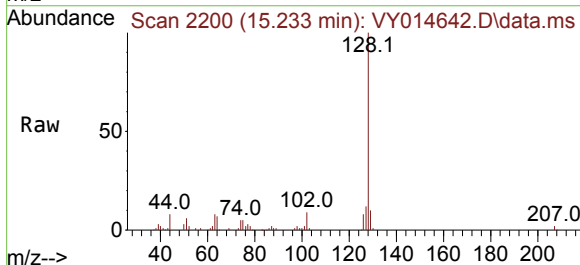
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023

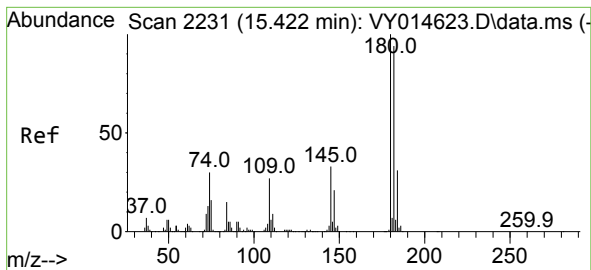
Tgt Ion:225 Resp: 6429
Ion Ratio Lower Upper
225 100
223 65.7 31.9 95.9
227 61.5 33.0 98.9



#95
Naphthalene
Concen: 2.878 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014642.D
Acq: 14 Jul 2023 13:04

Tgt Ion:128 Resp: 29313
Ion Ratio Lower Upper
128 100
127 13.0 10.8 16.2
129 10.8 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 2.740 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY014642.D
 Acq: 14 Jul 2023 13:04

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:180	Resp:	10645
Ion Ratio	Lower	Upper
180	100	
182	95.6	47.3 141.8
145	31.5	15.4 46.2

