

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014632.D
 Acq On : 13 Jul 2023 17:12
 Operator : SY/MD
 Sample : 03572-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Quant Time: Jul 14 04:27:41 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	301902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	504565	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	450071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	220903	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	171766	49.928	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.860%
35) Dibromofluoromethane	7.710	113	158484	49.342	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.680%
50) Toluene-d8	10.173	98	577477	48.766	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.540%
62) 4-Bromofluorobenzene	12.477	95	219524	48.347	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.700%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.900	85	15663	6.368	ug/l	93
3) Chloromethane	2.107	50	16545	5.984	ug/l	91
4) Vinyl Chloride	2.241	62	18177	5.882	ug/l	97
5) Bromomethane	2.637	94	13564	6.642	ug/l	87
6) Chloroethane	2.784	64	11717	6.070	ug/l	98
7) Trichlorofluoromethane	3.113	101	28359	5.464	ug/l	96
8) Diethyl Ether	3.521	74	10817	5.602	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.881	101	16433	5.166	ug/l	95
10) Methyl Iodide	4.076	142	15084	6.631	ug/l	97
11) Tert butyl alcohol	4.930	59	39753	43.587	ug/l #	89
12) 1,1-Dichloroethene	3.857	96	16631	5.594	ug/l	91
13) Acrolein	3.716	56	13202	36.715	ug/l	93
14) Allyl chloride	4.466	41	28180	5.338	ug/l	95
15) Acrylonitrile	5.155	53	28982	27.219	ug/l	98
16) Acetone	3.942	43	28114	25.788	ug/l	99
17) Carbon Disulfide	4.180	76	47334	5.561	ug/l	96
18) Methyl Acetate	4.472	43	24360	5.823	ug/l	93
19) Methyl tert-butyl Ether	5.210	73	52227	5.408	ug/l	97
20) Methylene Chloride	4.698	84	35108	6.215	ug/l	94
21) trans-1,2-Dichloroethene	5.204	96	19086	5.657	ug/l	91
22) Diisopropyl ether	6.112	45	57976	5.402	ug/l	92
23) Vinyl Acetate	6.051	43	167142	26.025	ug/l	95
24) 1,1-Dichloroethane	6.009	63	33103	5.391	ug/l	99
25) 2-Butanone	6.978	43	44958	28.188	ug/l	99
26) 2,2-Dichloropropane	6.972	77	34367	5.872	ug/l	96
27) cis-1,2-Dichloroethene	6.978	96	20822	5.302	ug/l	92
28) Bromochloromethane	7.326	49	14527	5.493	ug/l	94
29) Tetrahydrofuran	7.344	42	27022	27.515	ug/l	94
30) Chloroform	7.502	83	33867	5.348	ug/l	97
31) Cyclohexane	7.777	56	35806	6.270	ug/l #	75
32) 1,1,1-Trichloroethane	7.691	97	30680	5.383	ug/l	98
36) 1,1-Dichloropropene	7.911	75	24921	5.188	ug/l	97
37) Ethyl Acetate	7.063	43	17004	5.142	ug/l #	89
38) Carbon Tetrachloride	7.893	117	27117	5.341	ug/l	92
39) Methylcyclohexane	9.179	83	33243	5.312	ug/l	98
40) Benzene	8.155	78	73726	5.397	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
 Data File : VY014632.D
 Acq On : 13 Jul 2023 17:12
 Operator : SY/MD
 Sample : 03572-02
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Quant Time: Jul 14 04:27:41 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)
41) Methacrylonitrile	7.301	41	8601	5.056	ug/l #	90
42) 1,2-Dichloroethane	8.234	62	23718	5.483	ug/l	91
43) Isopropyl Acetate	8.270	43	32963	5.232	ug/l	95
44) Trichloroethene	8.935	130	20877	5.462	ug/l	98
45) 1,2-Dichloropropane	9.209	63	18711	5.245	ug/l	95
46) Dibromomethane	9.295	93	11656	5.386	ug/l	94
47) Bromodichloromethane	9.490	83	27134	5.320	ug/l	100
48) Methyl methacrylate	9.289	41	14799	5.221	ug/l	93
49) 1,4-Dioxane	9.295	88	3775	106.981	ug/l #	25
51) 4-Methyl-2-Pentanone	10.063	43	90612	27.395	ug/l	94
52) Toluene	10.240	92	46948	5.371	ug/l	91
53) t-1,3-Dichloropropene	10.459	75	28235	5.061	ug/l	100
54) cis-1,3-Dichloropropene	9.923	75	31851	5.250	ug/l	94
55) 1,1,2-Trichloroethane	10.642	97	16020	5.314	ug/l	95
56) Ethyl methacrylate	10.502	69	24075	5.231	ug/l	93
57) 1,3-Dichloropropane	10.788	76	27051	5.203	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.776	63	59770	27.871	ug/l	96
59) 2-Hexanone	10.831	43	63984	26.526	ug/l	93
60) Dibromochloromethane	10.977	129	19463	5.266	ug/l	99
61) 1,2-Dibromoethane	11.081	107	16185	5.382	ug/l	98
64) Tetrachloroethene	10.715	164	20640	5.702	ug/l	97
65) Chlorobenzene	11.514	112	49699	5.182	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	18880	5.221	ug/l	99
67) Ethyl Benzene	11.587	91	90987	5.254	ug/l	97
68) m/p-Xylenes	11.697	106	68751	10.401	ug/l	97
69) o-Xylene	12.026	106	34229	5.316	ug/l	95
70) Styrene	12.038	104	57421	5.292	ug/l	98
71) Bromoform	12.203	173	13166	5.371	ug/l #	96
73) Isopropylbenzene	12.325	105	89525	5.176	ug/l	99
74) N-amyl acetate	12.142	43	29745	5.135	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	20252	5.134	ug/l	97
76) 1,2,3-Trichloropropane	12.629	75	26850	9.624	ug/l #	100
77) Bromobenzene	12.605	156	20627	5.224	ug/l	92
78) n-propylbenzene	12.666	91	106147	5.093	ug/l	100
79) 2-Chlorotoluene	12.751	91	60343	5.026	ug/l	99
80) 1,3,5-Trimethylbenzene	12.806	105	73631	5.097	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.373	75	7153	4.964	ug/l	93
82) 4-Chlorotoluene	12.849	91	61595	4.982	ug/l	99
83) tert-Butylbenzene	13.068	119	64754	5.053	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	73802	5.206	ug/l	99
85) sec-Butylbenzene	13.251	105	96254	5.121	ug/l	100
86) p-Isopropyltoluene	13.367	119	79365	5.171	ug/l	100
87) 1,3-Dichlorobenzene	13.361	146	40213	5.233	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	41260	5.358	ug/l	94
89) n-Butylbenzene	13.696	91	75619	5.064	ug/l	96
90) Hexachloroethane	13.958	117	15619	4.955	ug/l	88
91) 1,2-Dichlorobenzene	13.739	146	37119	5.272	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.349	75	3970	5.263	ug/l	93
93) 1,2,4-Trichlorobenzene	15.007	180	23771	5.319	ug/l	97
94) Hexachlorobutadiene	15.111	225	12811	5.216	ug/l	98
95) Naphthalene	15.233	128	55506	5.331	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	21148	5.324	ug/l	98

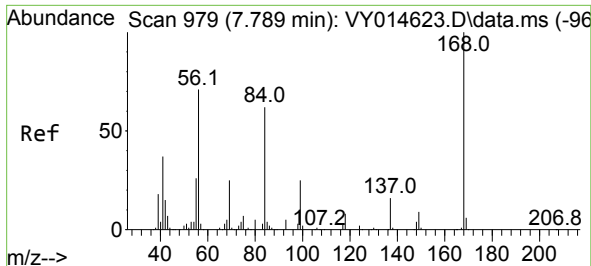
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071323\
Data File : VY014632.D
Acq On : 13 Jul 2023 17:12
Operator : SY/MD
Sample : 03572-02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Quant Time: Jul 14 04:27:41 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)
----------	------	------	----------	------	-------	----------

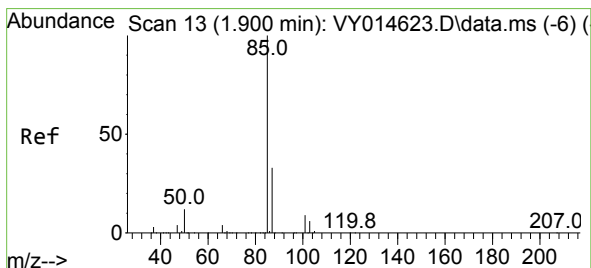
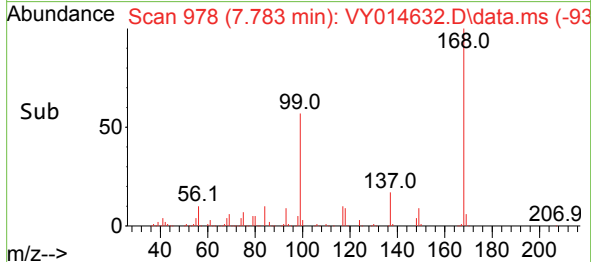
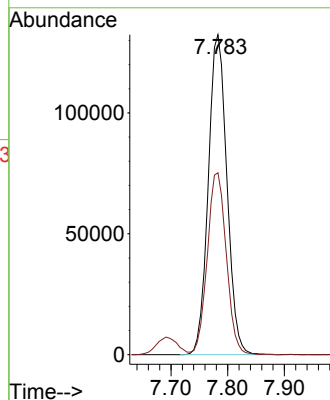
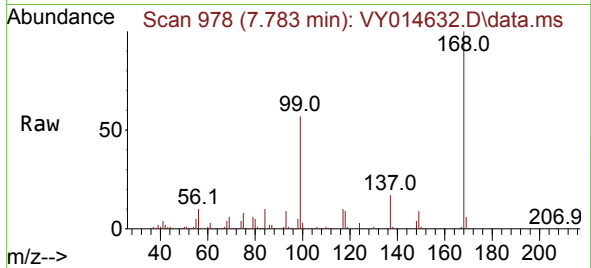
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

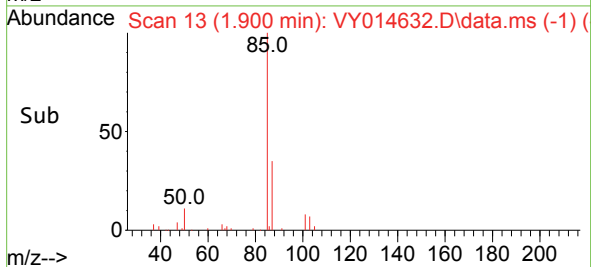
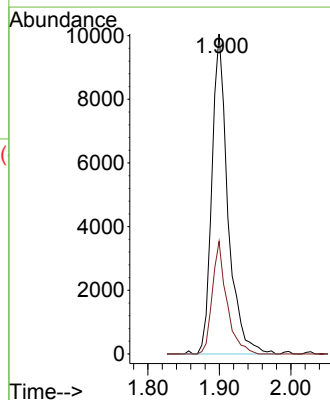
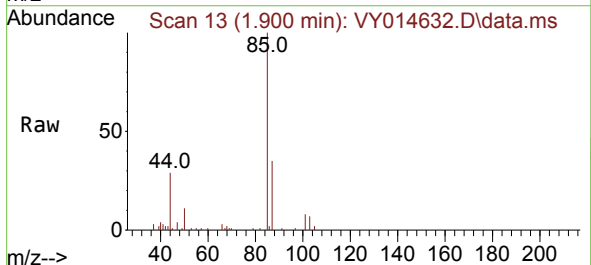
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

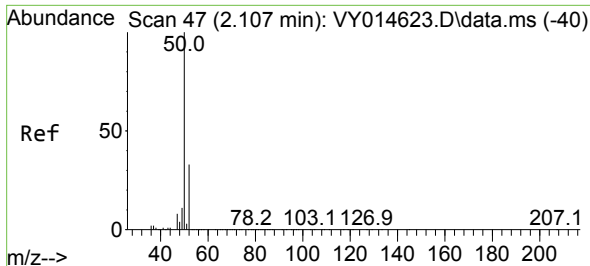
Tgt Ion:168 Resp: 301902
Ion Ratio Lower Upper
168 100
99 56.9 43.4 65.0



#2
Dichlorodifluoromethane
Concen: 6.368 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 85 Resp: 15663
Ion Ratio Lower Upper
85 100
87 35.2 15.6 46.8

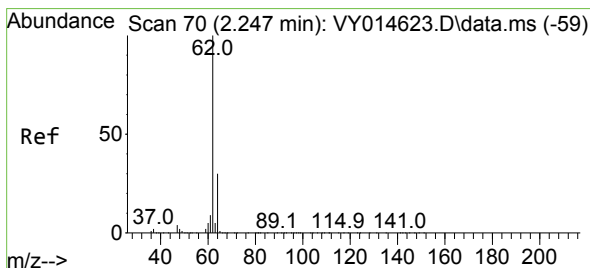
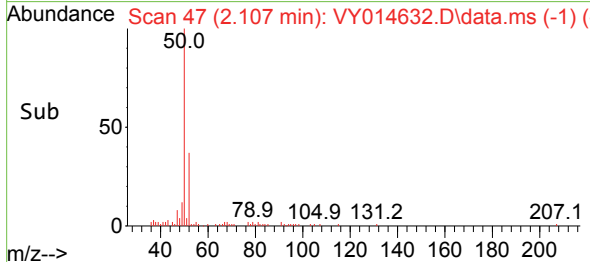
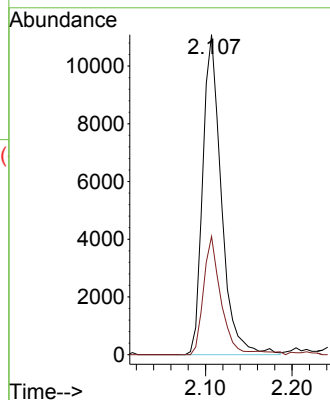
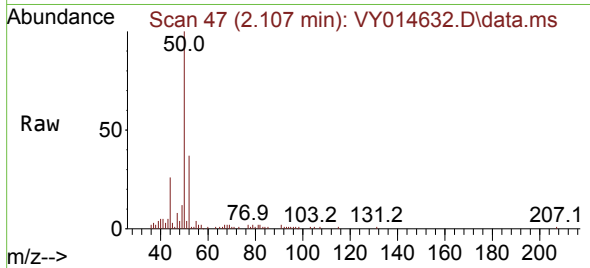




#3
Chloromethane
Concen: 5.984 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

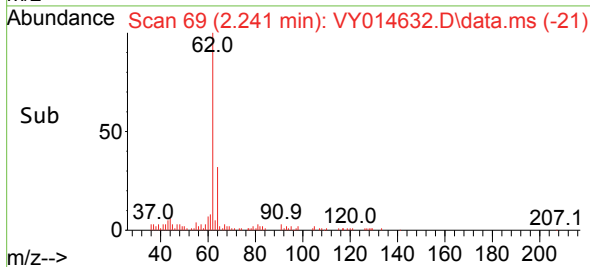
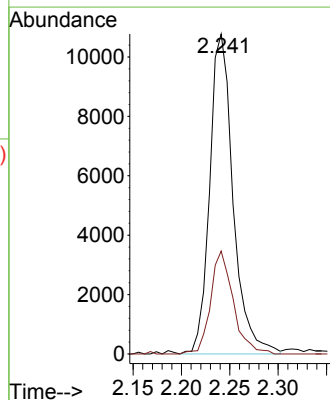
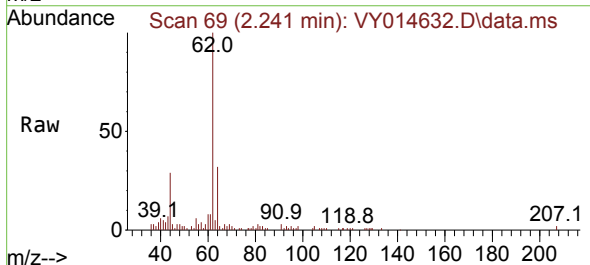
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

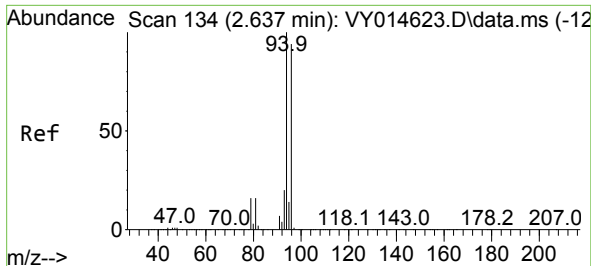
Tgt Ion: 50 Resp: 16545
Ion Ratio Lower Upper
50 100
52 36.9 25.4 38.2



#4
Vinyl Chloride
Concen: 5.882 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 62 Resp: 18177
Ion Ratio Lower Upper
62 100
64 32.1 24.3 36.5





#5

Bromomethane

Concen: 6.642 ug/l

RT: 2.637 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

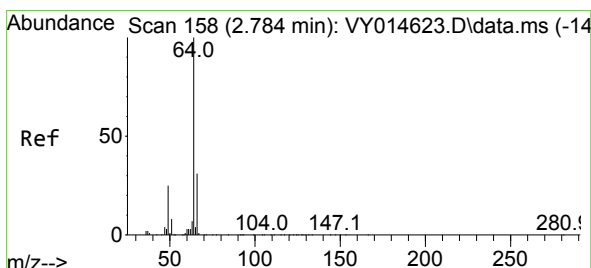
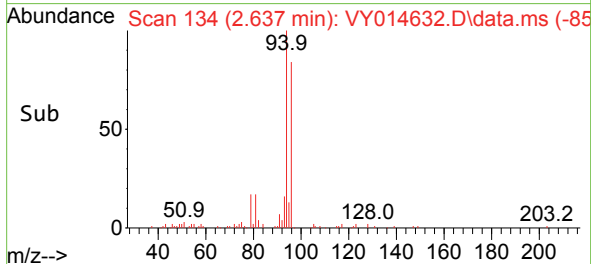
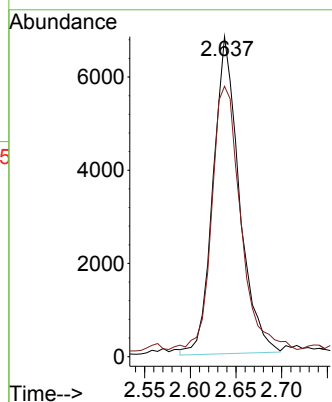
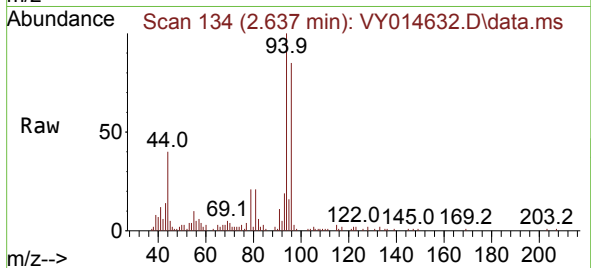
LOQ-SOIL-02-QT3-2023

Tgt Ion: 94 Resp: 13564

Ion Ratio Lower Upper

94 100

96 82.4 75.8 113.6



#6

Chloroethane

Concen: 6.070 ug/l

RT: 2.784 min Scan# 158

Delta R.T. -0.000 min

Lab File: VY014632.D

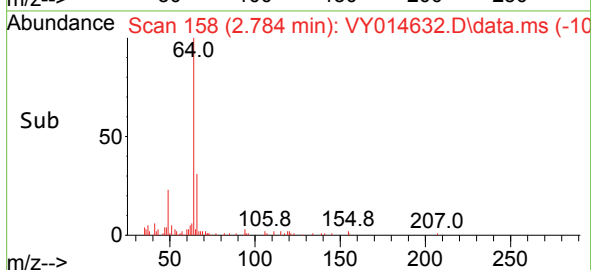
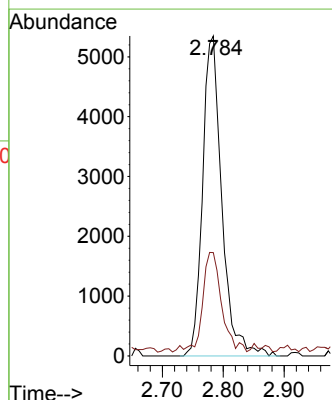
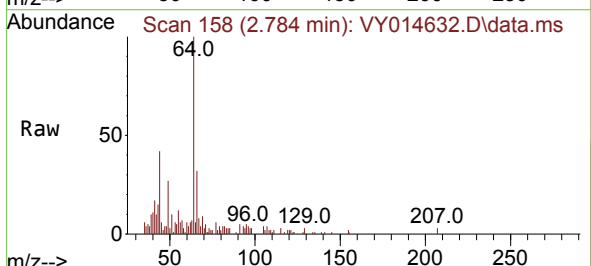
Acq: 13 Jul 2023 17:12

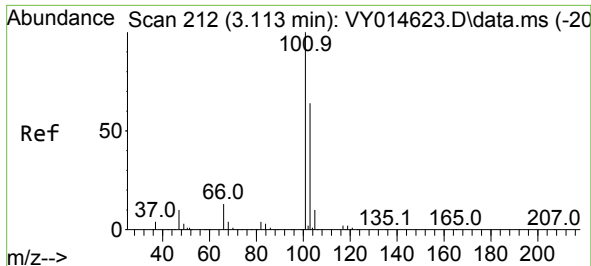
Tgt Ion: 64 Resp: 11717

Ion Ratio Lower Upper

64 100

66 29.6 24.4 36.6

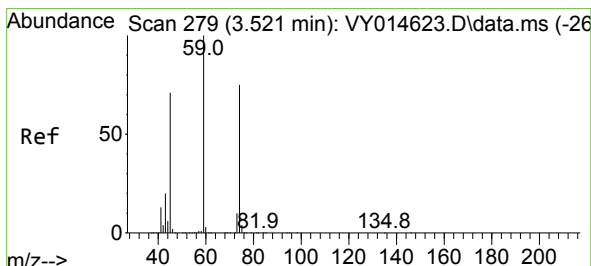
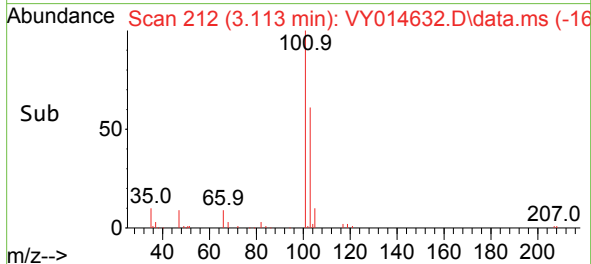
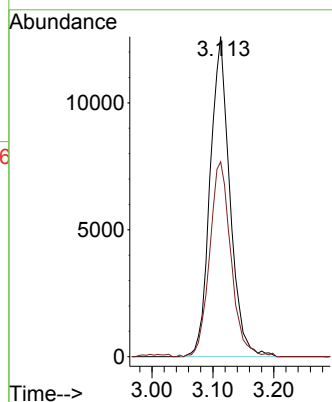
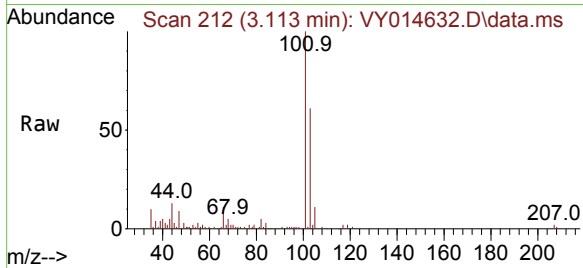




#7
 Trichlorofluoromethane
 Concen: 5.464 ug/l
 RT: 3.113 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

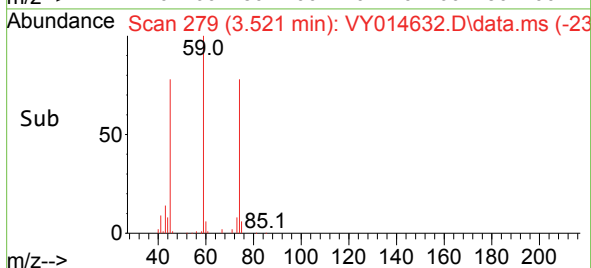
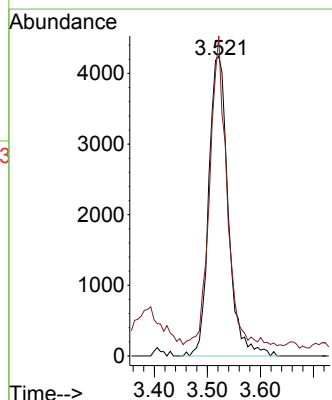
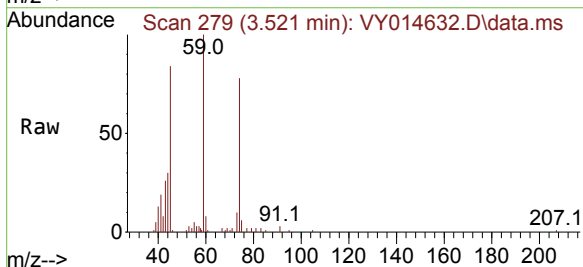
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT3-2023

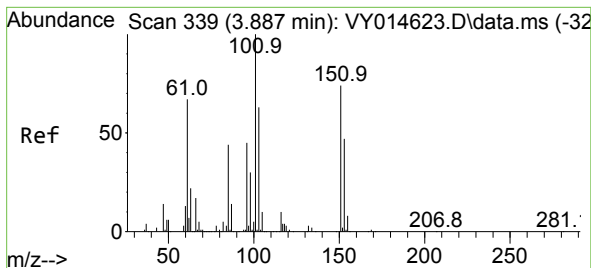
Tgt Ion:101 Resp: 28359
 Ion Ratio Lower Upper
 101 100
 103 60.9 51.4 77.0



#8
 Diethyl Ether
 Concen: 5.602 ug/l
 RT: 3.521 min Scan# 279
 Delta R.T. 0.000 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

Tgt Ion: 74 Resp: 10817
 Ion Ratio Lower Upper
 74 100
 45 89.1 51.5 154.5

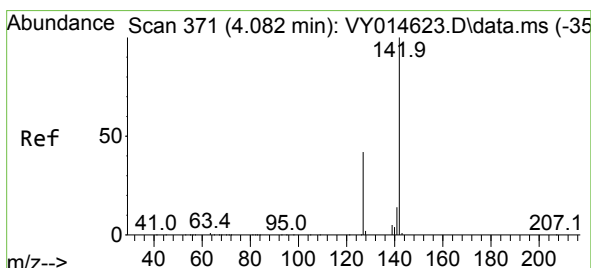
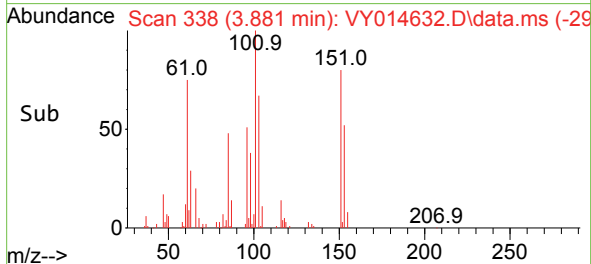
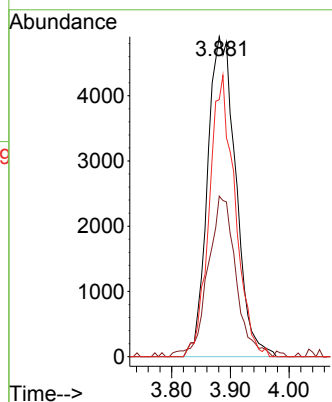
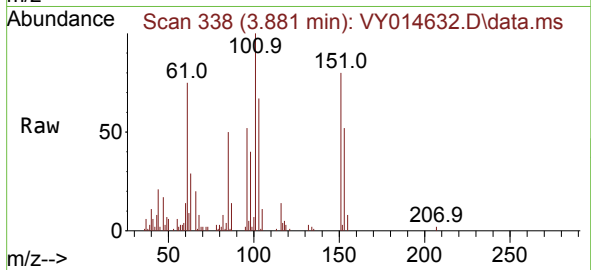




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.166 ug/l
RT: 3.881 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

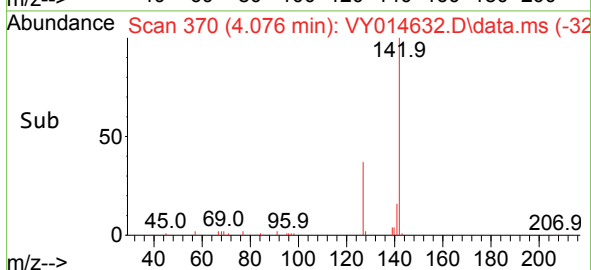
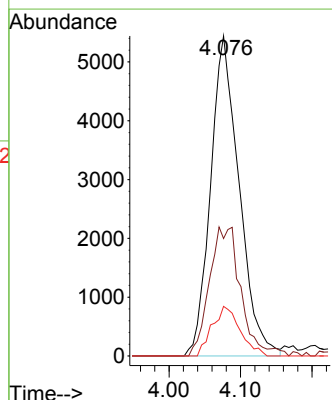
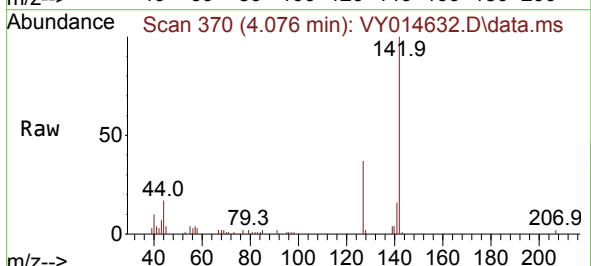
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

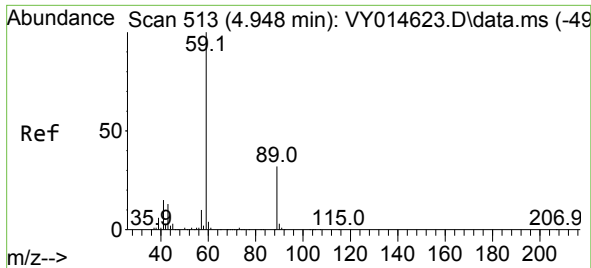
Tgt Ion:101 Resp: 16433
Ion Ratio Lower Upper
101 100
85 49.5 36.6 55.0
151 79.9 67.0 100.6



#10
Methyl Iodide
Concen: 6.631 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion:142 Resp: 15084
Ion Ratio Lower Upper
142 100
127 44.4 37.6 56.4
141 15.2 11.8 17.8

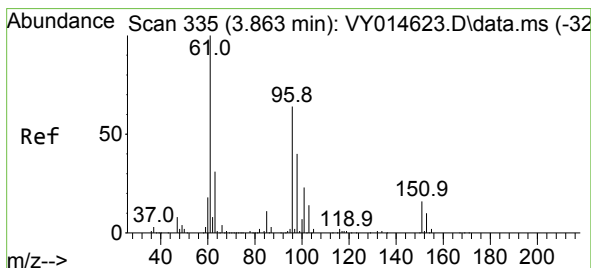
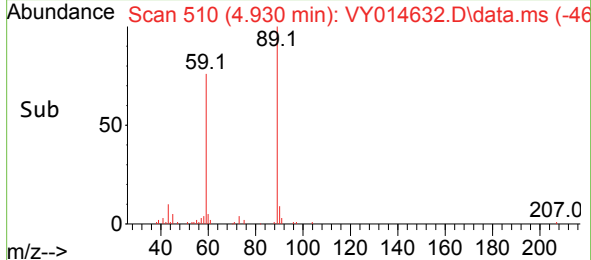
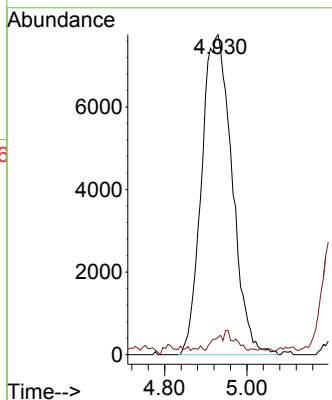
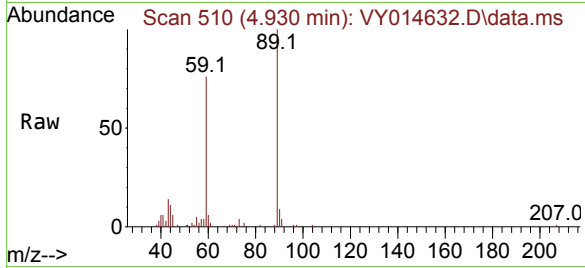




#11
Tert butyl alcohol
Concen: 43.587 ug/l
RT: 4.930 min Scan# 51
Delta R.T. -0.018 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

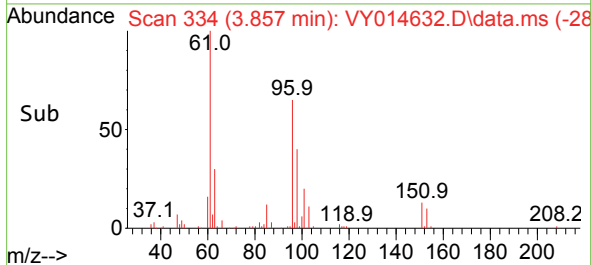
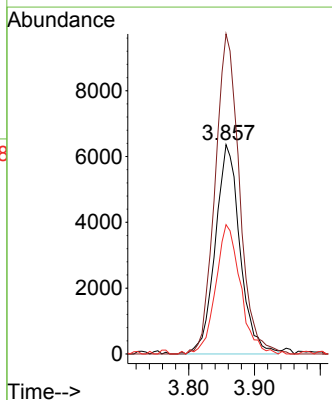
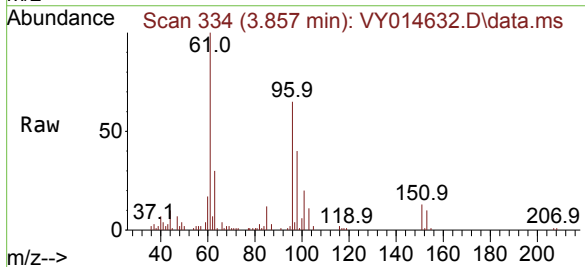
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

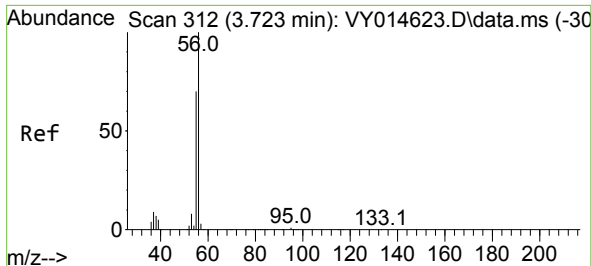
Tgt Ion: 59 Resp: 39753
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4#



#12
1,1-Dichloroethene
Concen: 5.594 ug/l
RT: 3.857 min Scan# 334
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 96 Resp: 16631
Ion Ratio Lower Upper
96 100
61 152.9 136.4 204.6
98 61.7 49.4 74.2





#13

Acrolein

Concen: 36.715 ug/l

RT: 3.716 min Scan# 311

Delta R.T. -0.007 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

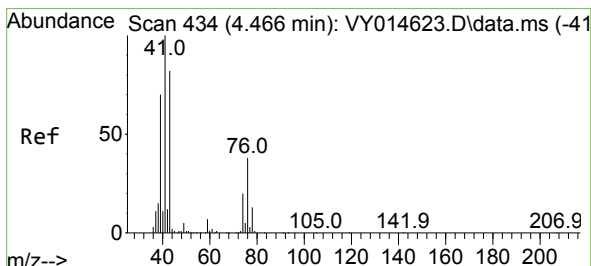
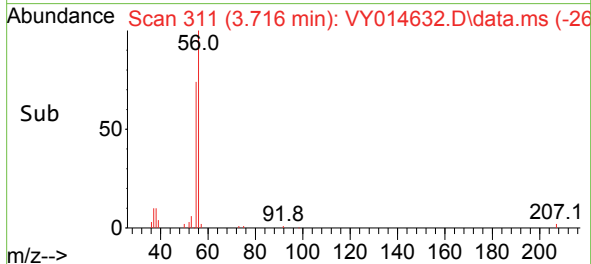
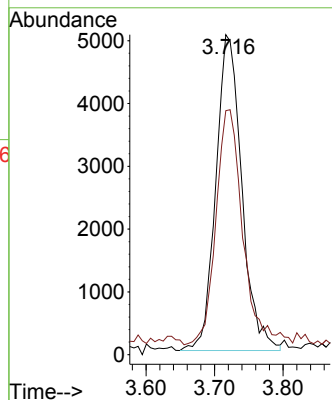
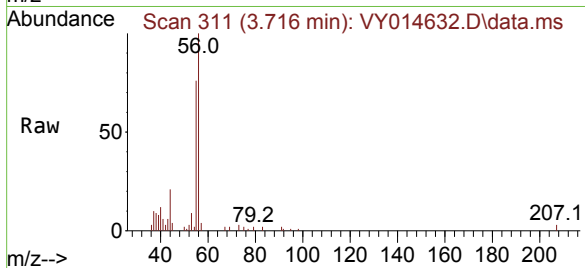
LOQ-SOIL-02-QT3-2023

Tgt Ion: 56 Resp: 13202

Ion Ratio Lower Upper

56 100

55 77.3 57.0 85.4



#14

Allyl chloride

Concen: 5.338 ug/l

RT: 4.466 min Scan# 434

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

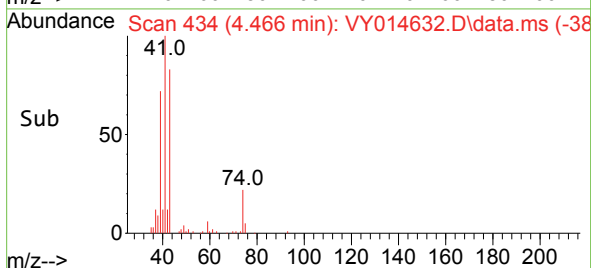
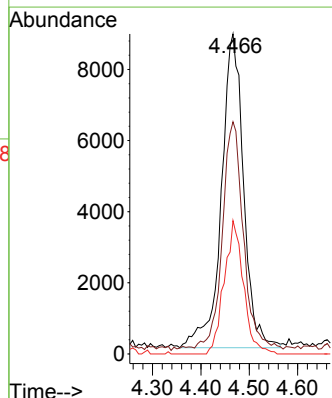
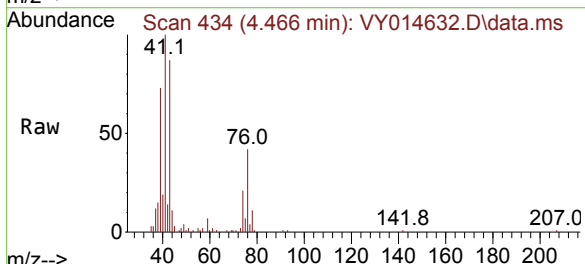
Tgt Ion: 41 Resp: 28180

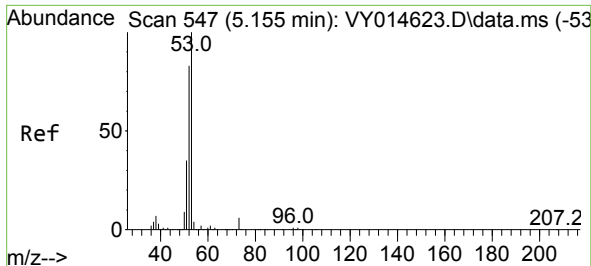
Ion Ratio Lower Upper

41 100

39 68.7 58.0 87.0

76 36.9 27.4 41.2

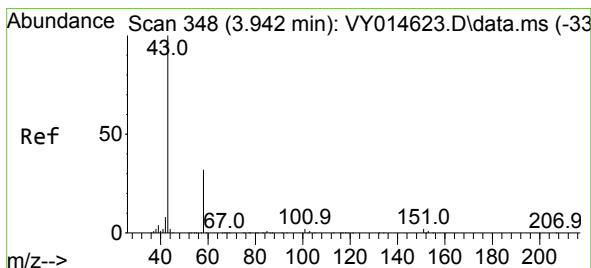
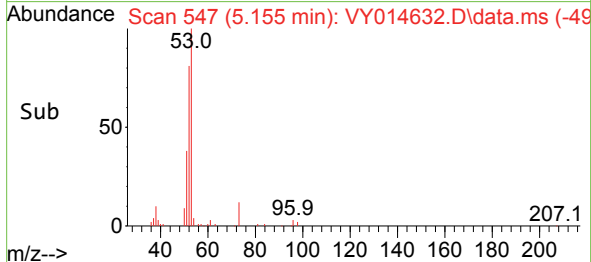
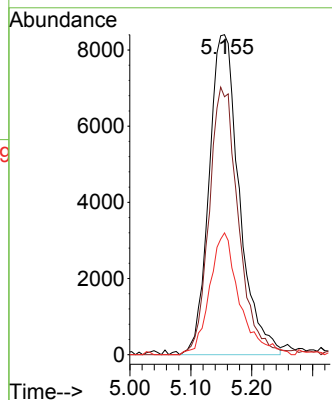
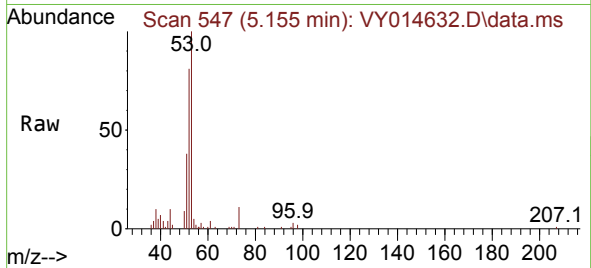




#15
Acrylonitrile
Concen: 27.219 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

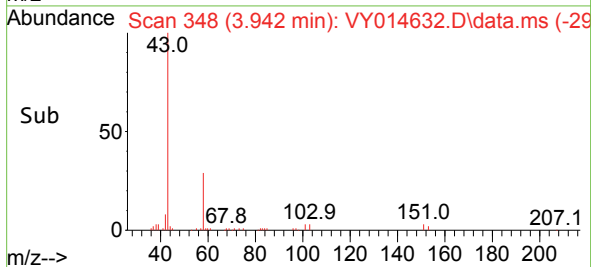
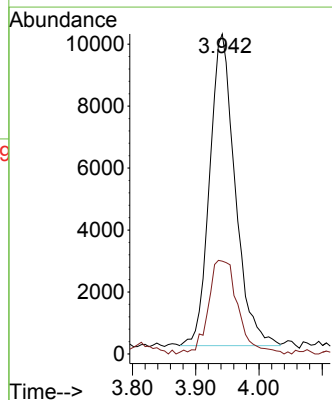
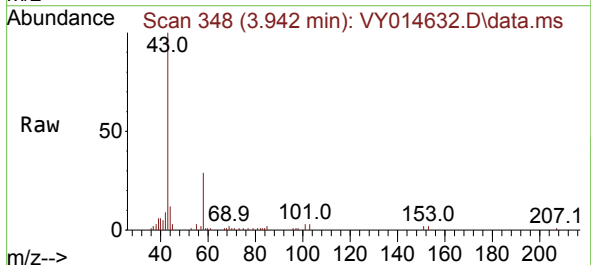
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

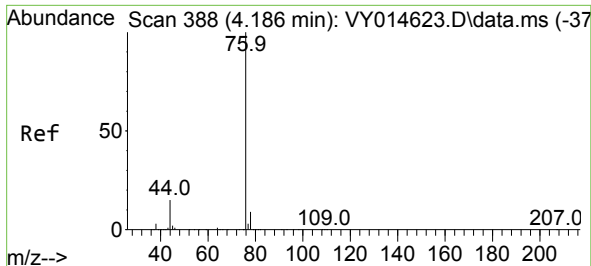
Tgt Ion: 53	Resp: 28982
Ion Ratio	Lower Upper
53 100	
52 81.0	66.9 100.3
51 37.5	29.8 44.6



#16
Acetone
Concen: 25.788 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 43	Resp: 28114
Ion Ratio	Lower Upper
43 100	
58 29.2	22.7 34.1

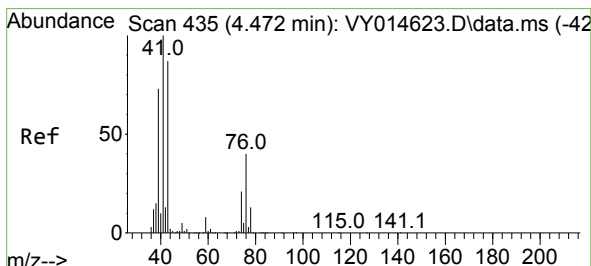
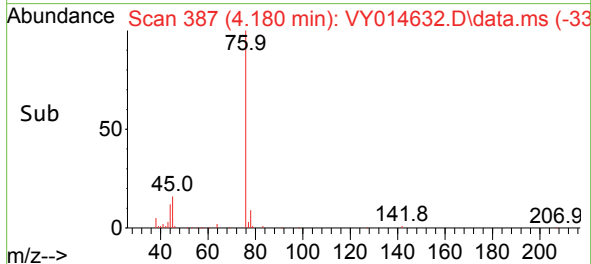
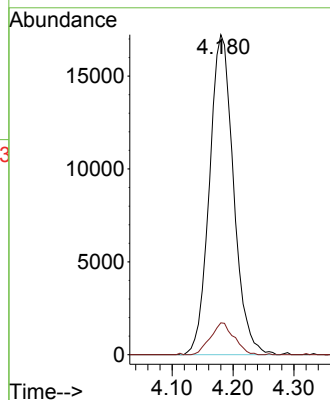
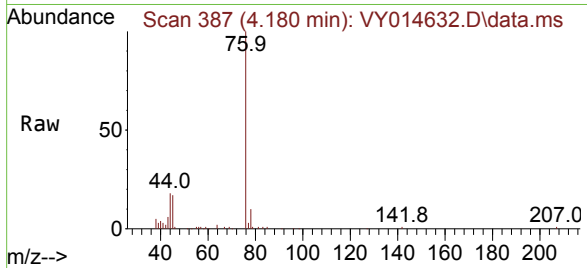




#17
Carbon Disulfide
Concen: 5.561 ug/l
RT: 4.180 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

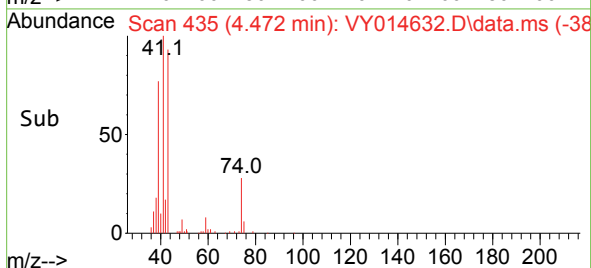
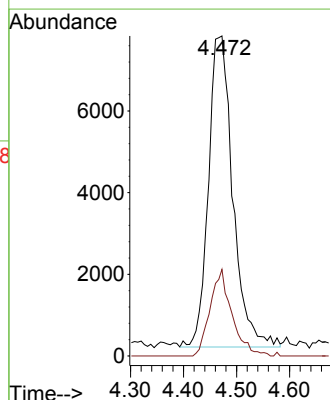
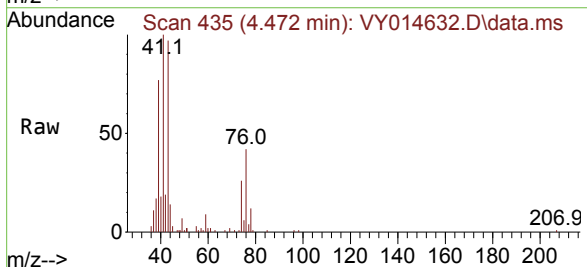
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

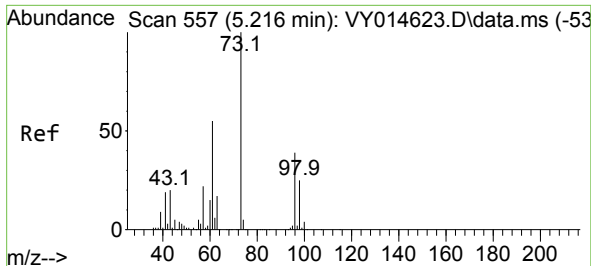
Tgt Ion: 76 Resp: 47334
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.4



#18
Methyl Acetate
Concen: 5.823 ug/l
RT: 4.472 min Scan# 435
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 43 Resp: 24360
Ion Ratio Lower Upper
43 100
74 24.9 17.4 26.0





#19

Methyl tert-butyl Ether

Concen: 5.408 ug/l

RT: 5.210 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

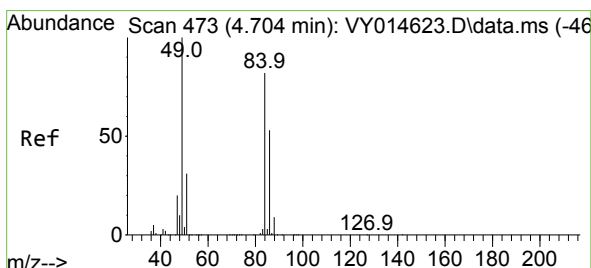
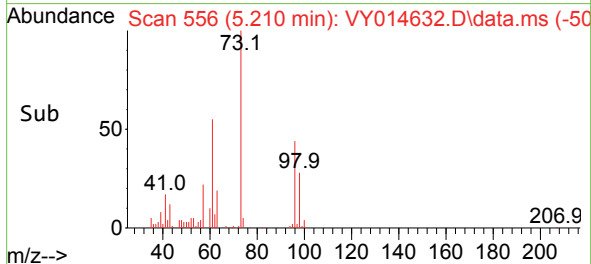
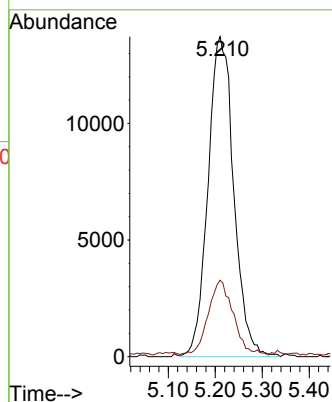
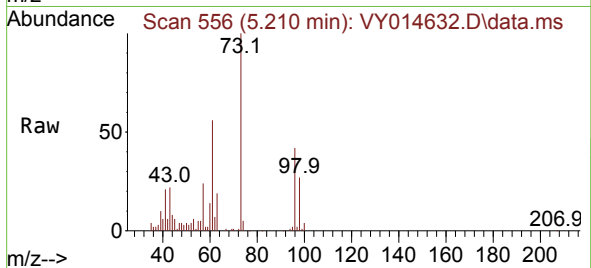
LOQ-SOIL-02-QT3-2023

Tgt Ion: 73 Resp: 52227

Ion Ratio Lower Upper

73 100

57 23.2 17.3 25.9



#20

Methylene Chloride

Concen: 6.215 ug/l

RT: 4.698 min Scan# 472

Delta R.T. -0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Tgt Ion: 84 Resp: 35108

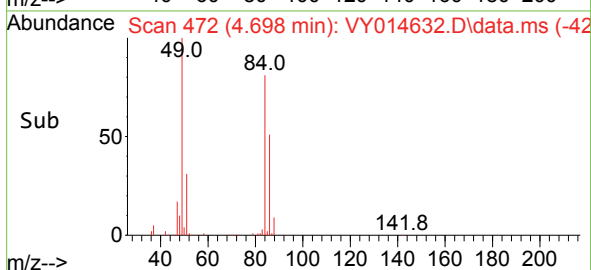
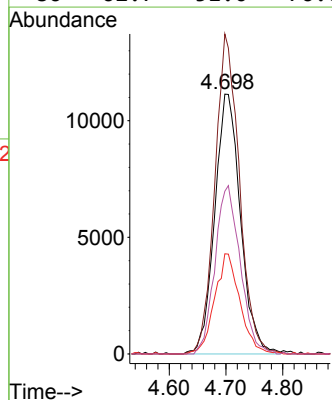
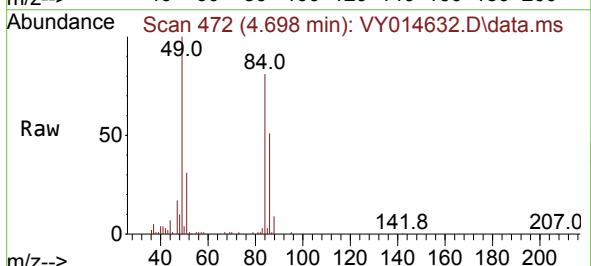
Ion Ratio Lower Upper

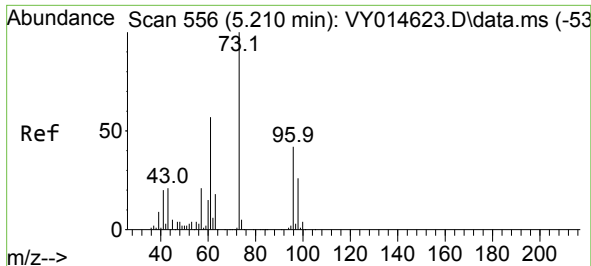
84 100

49 123.2 106.9 160.3

51 38.5 33.2 49.8

86 62.7 51.0 76.6

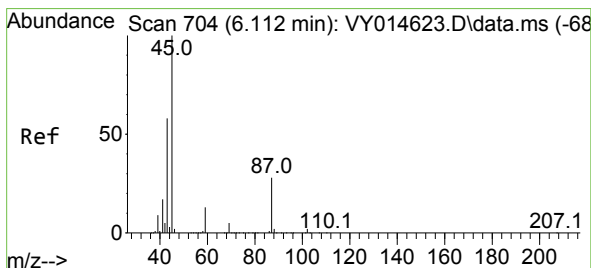
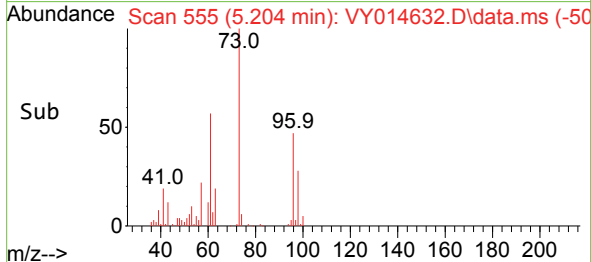
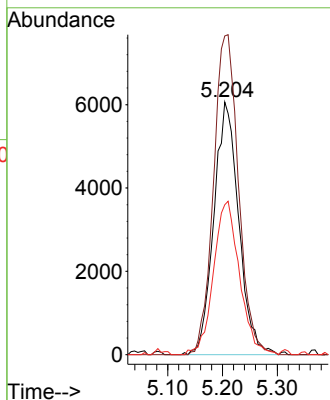
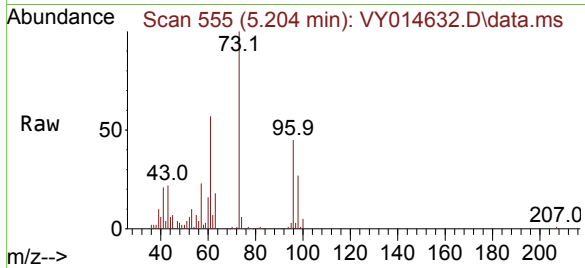




#21
trans-1,2-Dichloroethene
Concen: 5.657 ug/l
RT: 5.204 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

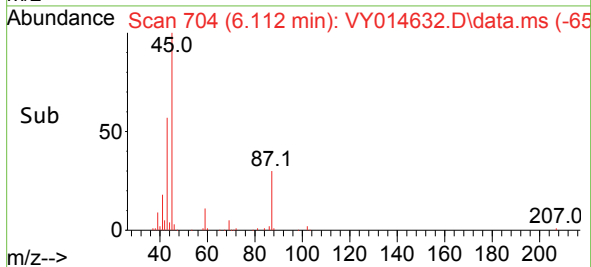
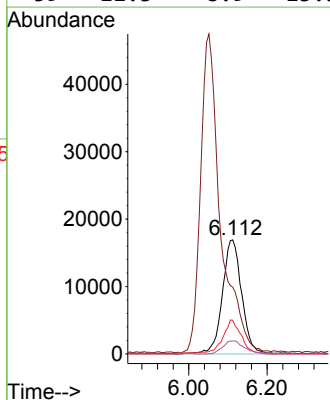
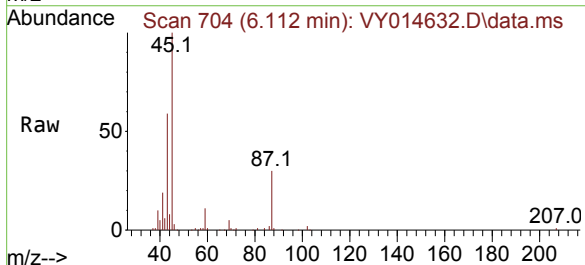
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

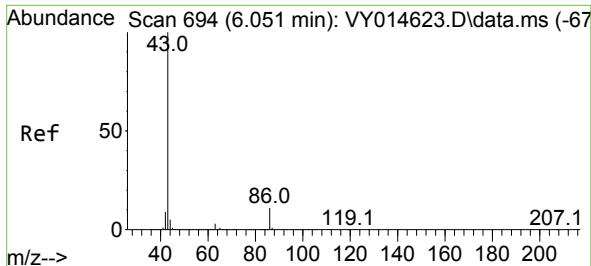
Tgt Ion: 96 Resp: 19086
Ion Ratio Lower Upper
96 100
61 126.2 110.2 165.4
98 59.4 51.8 77.6



#22
Diisopropyl ether
Concen: 5.402 ug/l
RT: 6.112 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 45 Resp: 57976
Ion Ratio Lower Upper
45 100
43 57.0 52.2 78.4
87 29.7 21.0 31.6
59 11.3 8.9 13.3

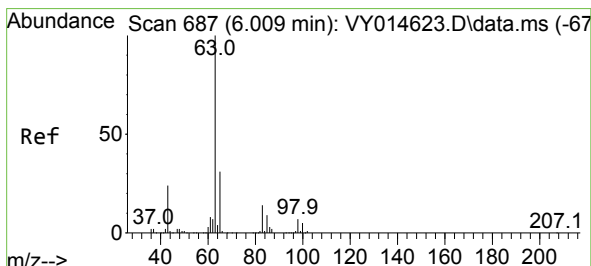
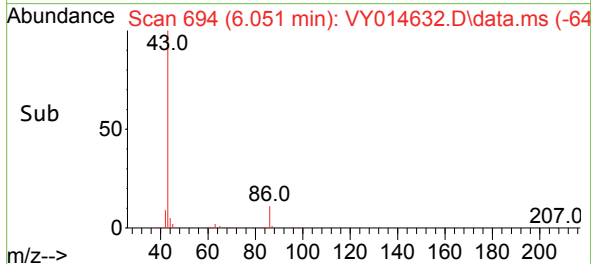
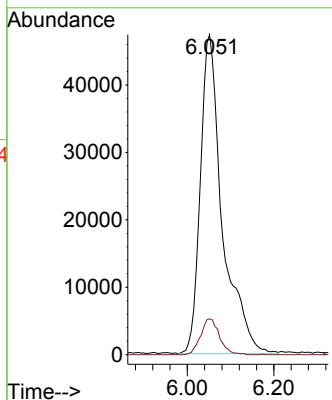
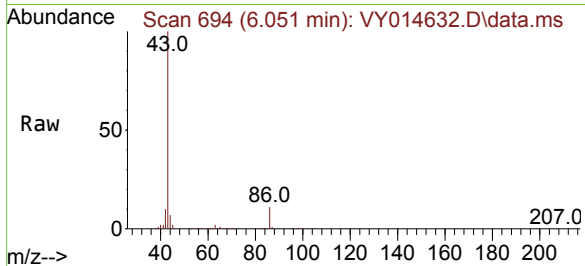




#23
 Vinyl Acetate
 Concen: 26.025 ug/l
 RT: 6.051 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

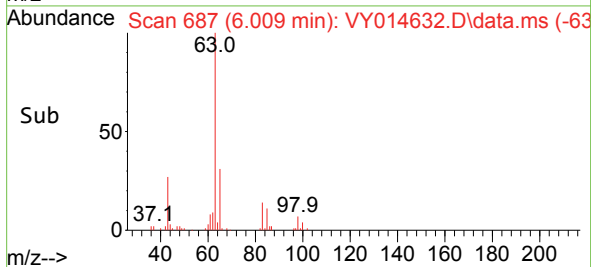
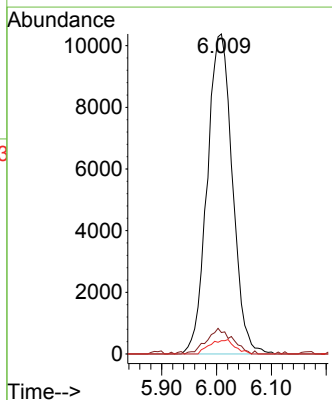
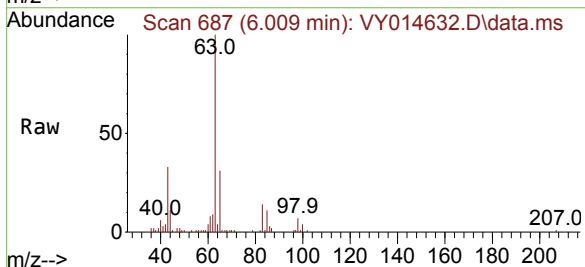
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

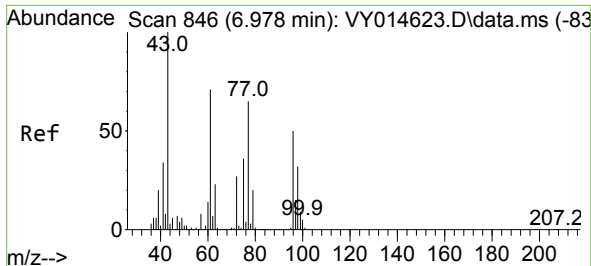
Tgt Ion: 43 Resp: 167142
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.5 11.3



#24
 1,1-Dichloroethane
 Concen: 5.391 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

Tgt Ion: 63 Resp: 33103
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.1 9.4
 100 4.2 1.8 5.5

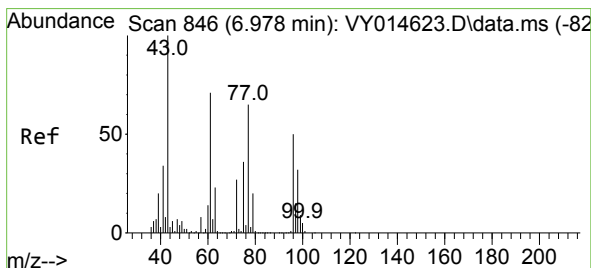
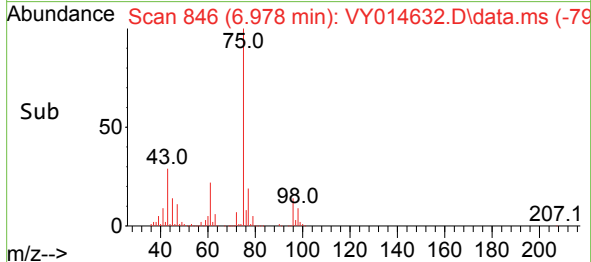
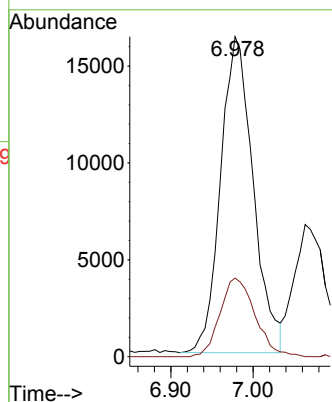
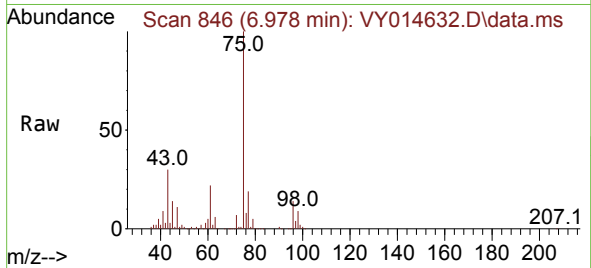




#25
2-Butanone
Concen: 28.188 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

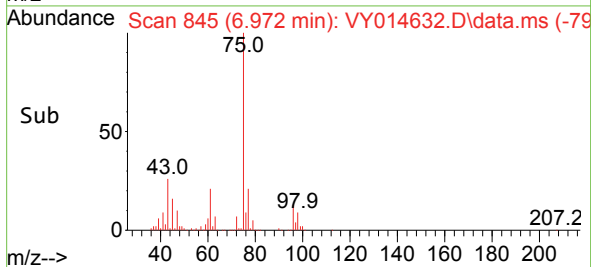
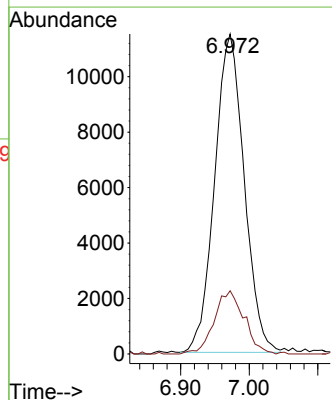
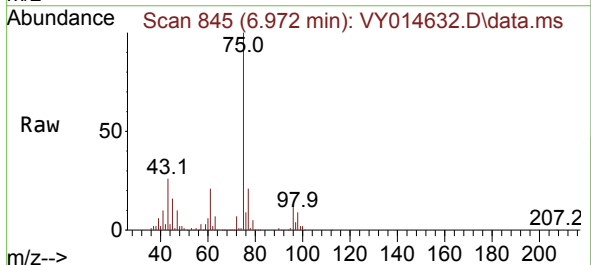
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

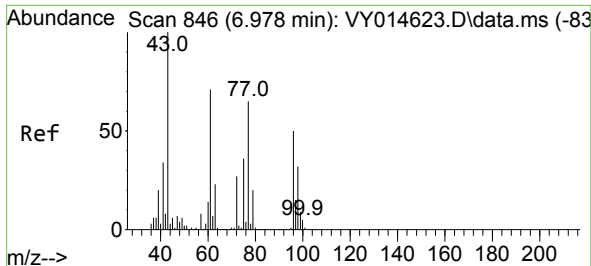
Tgt Ion: 43 Resp: 44958
Ion Ratio Lower Upper
43 100
72 24.9 20.5 30.7



#26
2,2-Dichloropropane
Concen: 5.872 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 77 Resp: 34367
Ion Ratio Lower Upper
77 100
97 20.2 10.9 32.9

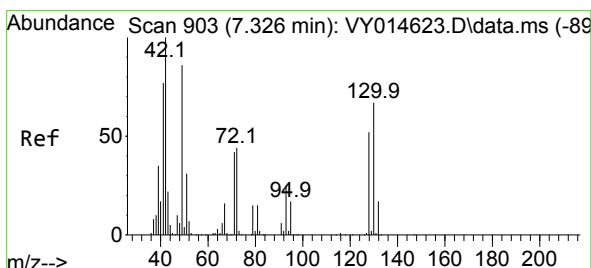
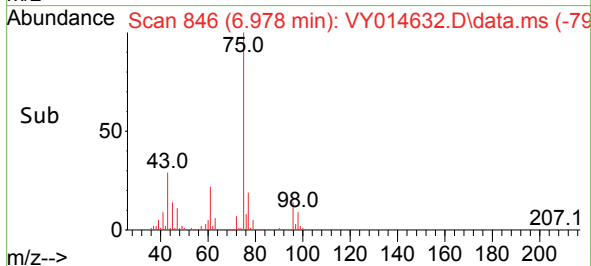
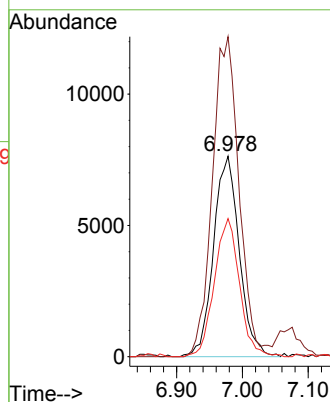
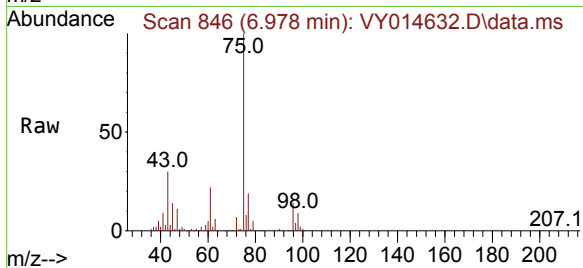




#27
 cis-1,2-Dichloroethene
 Concen: 5.302 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. 0.000 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

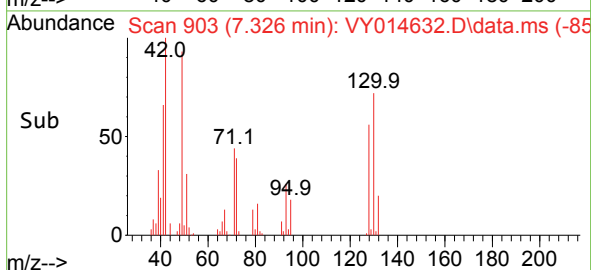
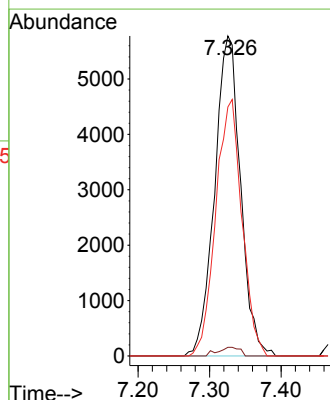
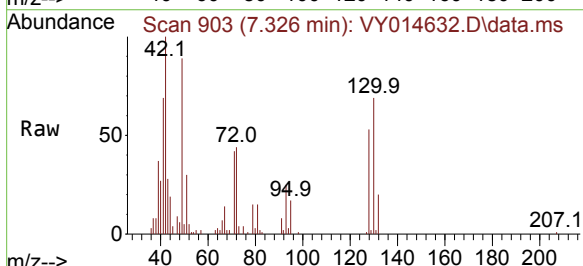
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

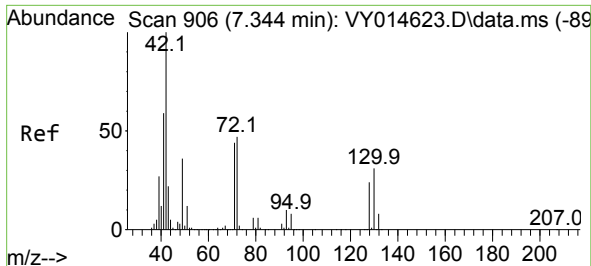
Tgt Ion:	96	Resp:	20822
Ion	Ratio	Lower	Upper
96	100		
61	164.5	0.0	301.4
98	67.1	0.0	130.4



#28
 Bromochloromethane
 Concen: 5.493 ug/l
 RT: 7.326 min Scan# 903
 Delta R.T. -0.000 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

Tgt Ion:	49	Resp:	14527
Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.6
130	81.0	60.7	91.1





#29

Tetrahydrofuran

Concen: 27.515 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY014632.D

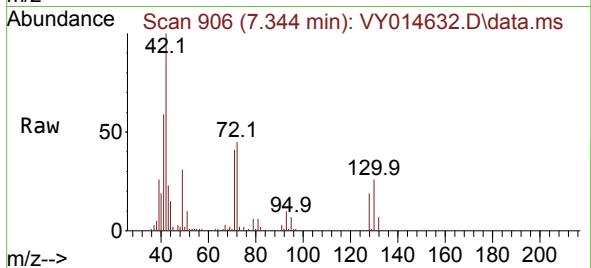
Acq: 13 Jul 2023 17:12

Instrument :

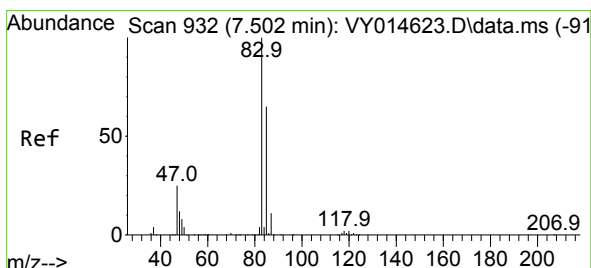
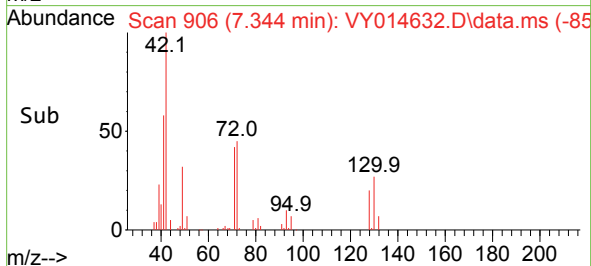
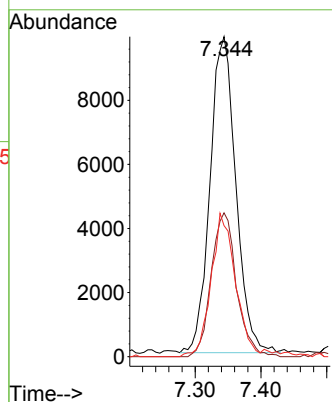
MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion:	42	Resp:	27022
Ion	Ratio	Lower	Upper
42	100		
72	44.5	32.8	49.2
71	42.5	31.0	46.4



#30

Chloroform

Concen: 5.348 ug/l

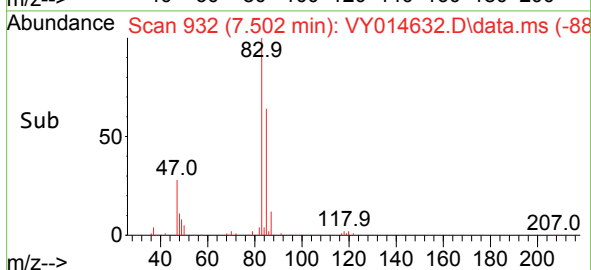
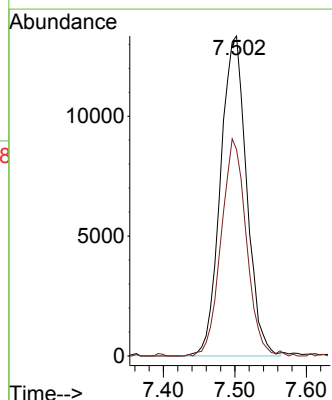
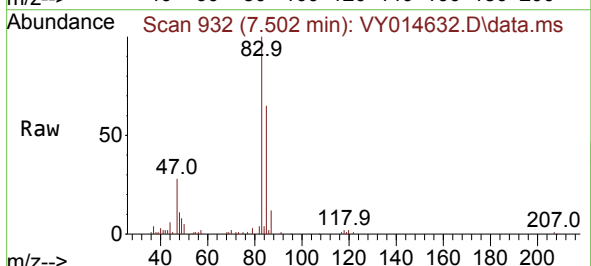
RT: 7.502 min Scan# 932

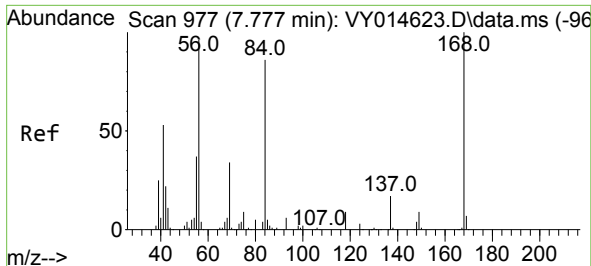
Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Tgt Ion:	83	Resp:	33867
Ion	Ratio	Lower	Upper
83	100		
85	64.6	49.7	74.5

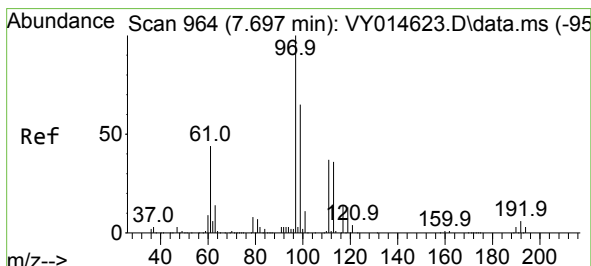
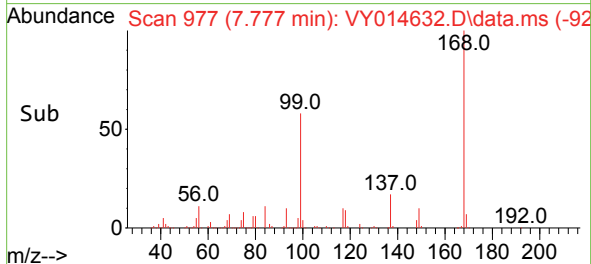
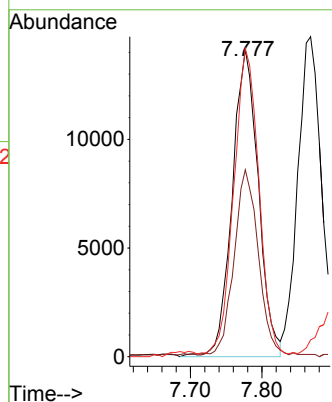
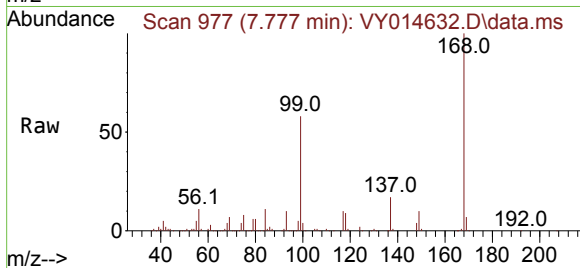




#31
Cyclohexane
Concen: 6.270 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

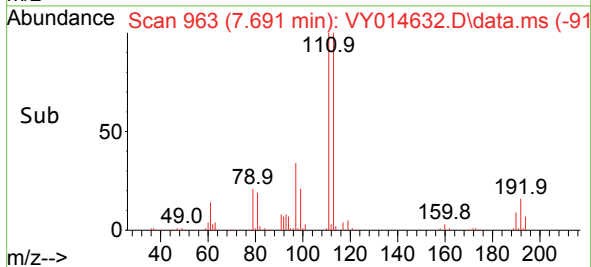
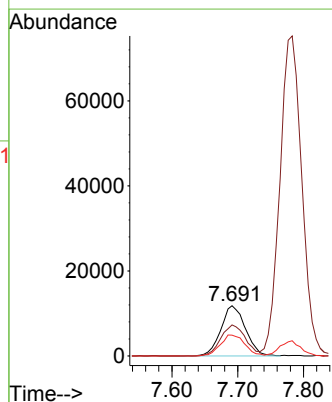
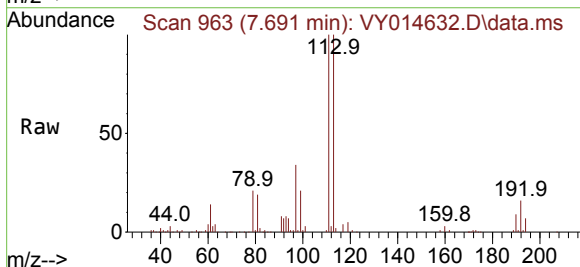
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

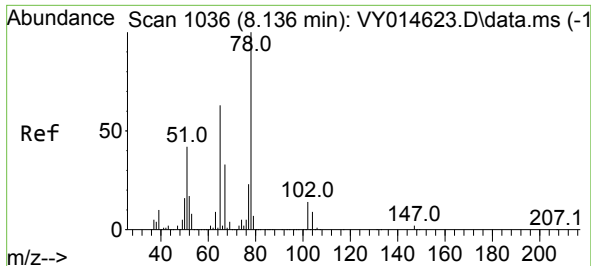
Tgt Ion: 56 Resp: 35806
Ion Ratio Lower Upper
56 100
69 60.1 27.8 41.6#
84 98.7 66.4 99.6



#32
1,1,1-Trichloroethane
Concen: 5.383 ug/l
RT: 7.691 min Scan# 963
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 97 Resp: 30680
Ion Ratio Lower Upper
97 100
99 62.6 50.8 76.2
61 41.9 35.1 52.7

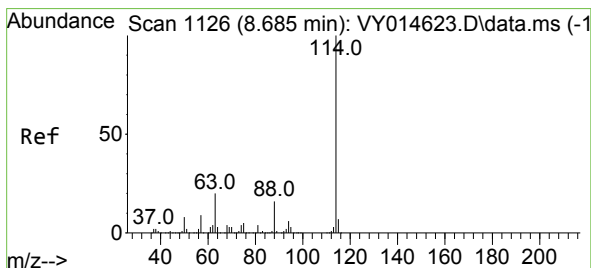
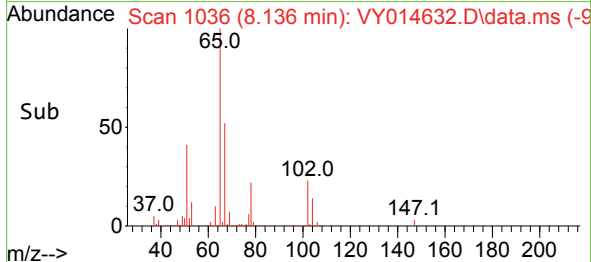
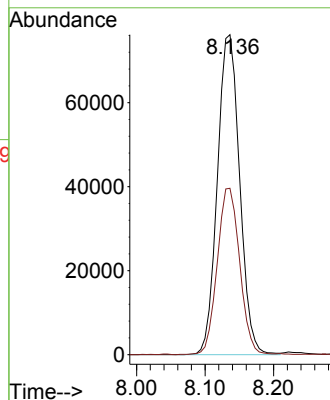
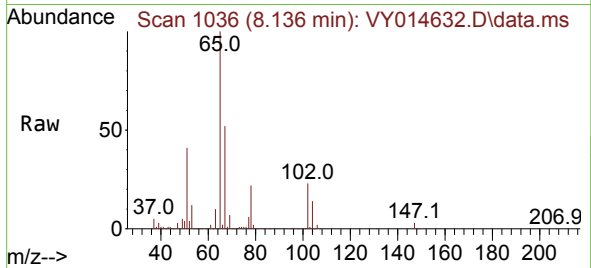




#33
 1,2-Dichloroethane-d4
 Concen: 49.928 ug/l
 RT: 8.136 min Scan# 1036
 Delta R.T. 0.000 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

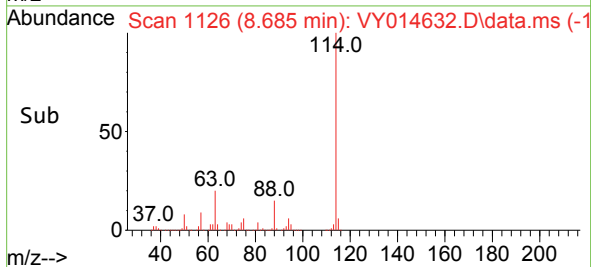
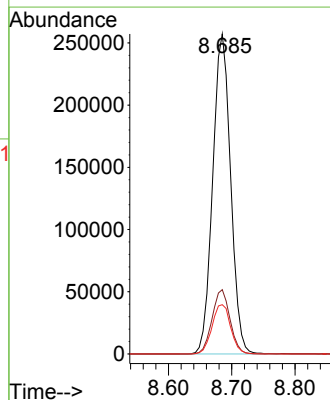
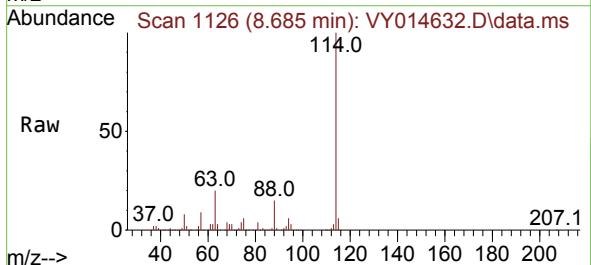
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

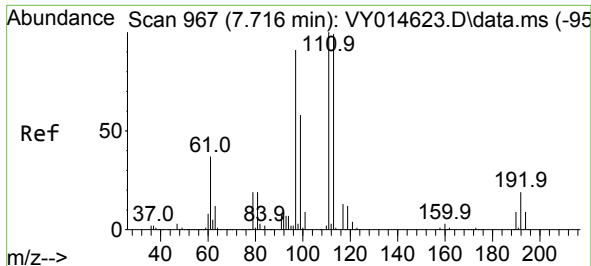
Tgt Ion: 65 Resp: 171766
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

Tgt Ion:114 Resp: 504565
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 42.4
 88 15.4 0.0 30.6

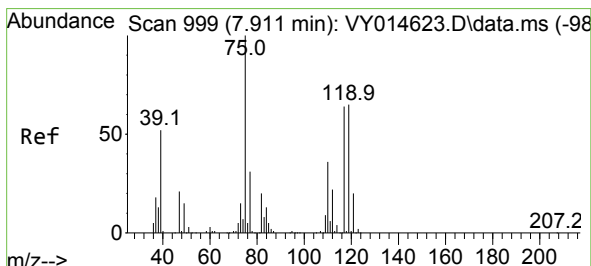
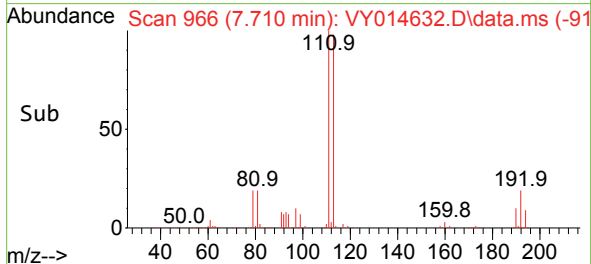
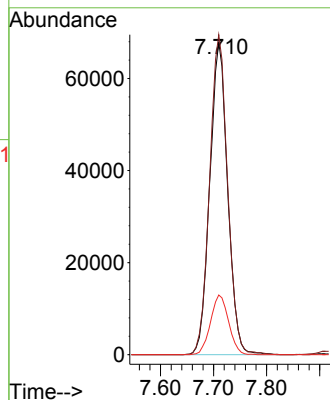
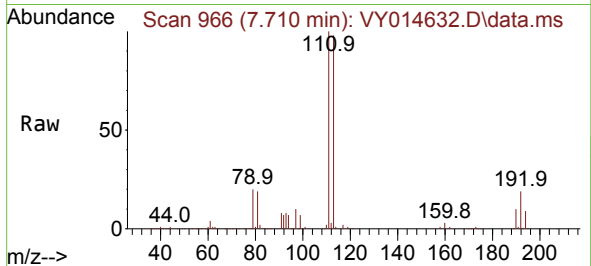




#35
Dibromofluoromethane
Concen: 49.342 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

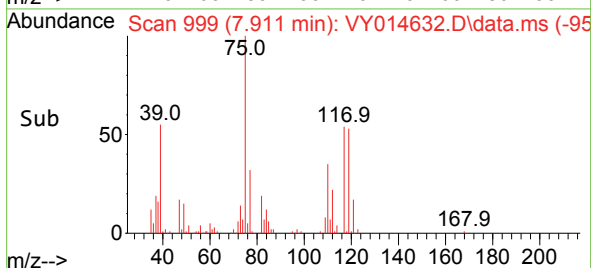
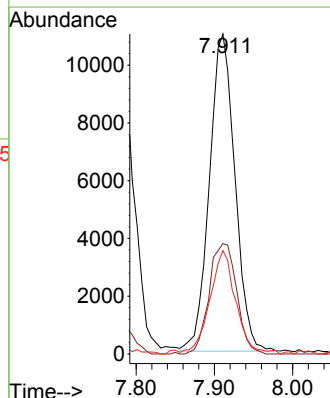
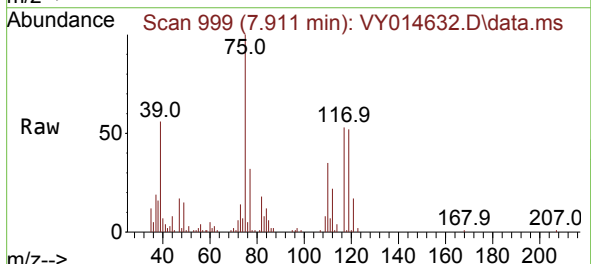
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

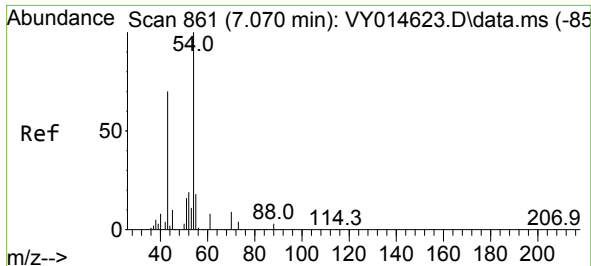
Tgt Ion:113 Resp: 158484
Ion Ratio Lower Upper
113 100
111 103.1 81.3 121.9
192 19.4 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.188 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 75 Resp: 24921
Ion Ratio Lower Upper
75 100
110 37.4 17.8 53.5
77 31.9 24.4 36.6

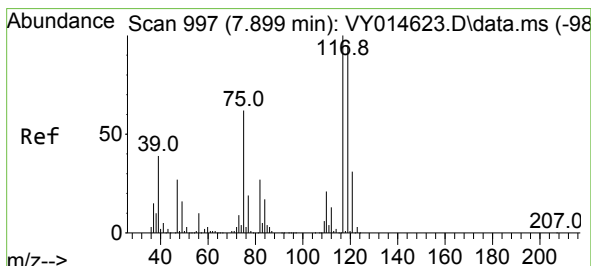
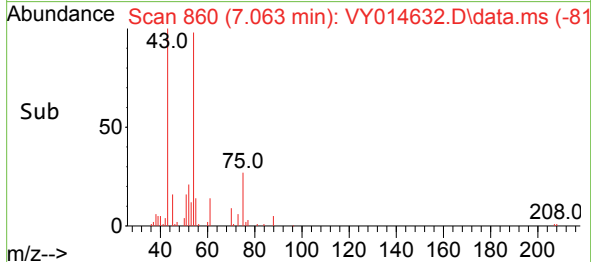
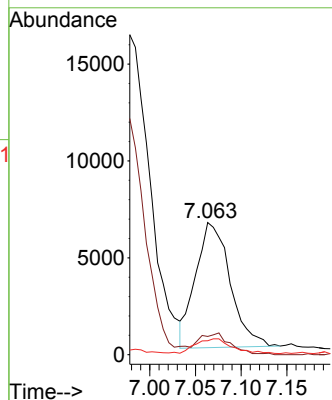
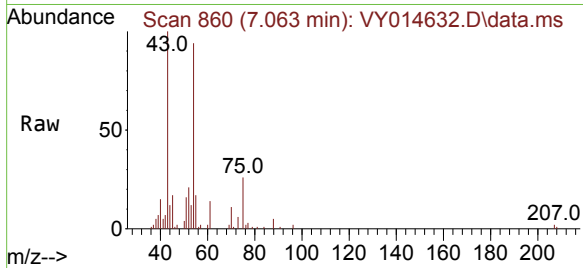




#37
Ethyl Acetate
Concen: 5.142 ug/l
RT: 7.063 min Scan# 860
Delta R.T. -0.007 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

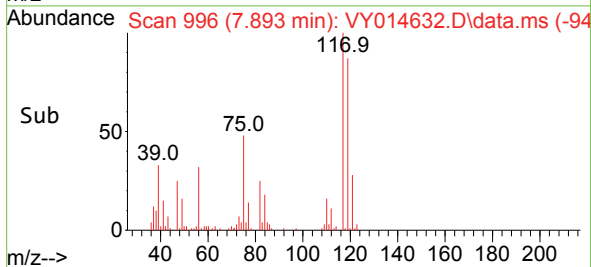
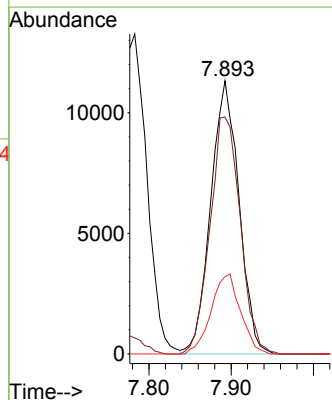
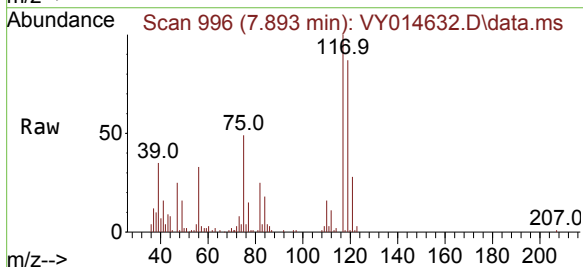
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

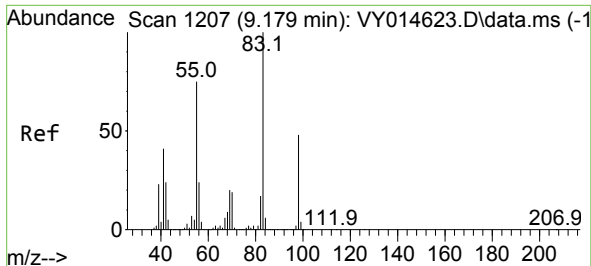
Tgt Ion: 43 Resp: 17004
Ion Ratio Lower Upper
43 100
61 15.3 10.1 15.1#
70 14.9 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.341 ug/l
RT: 7.893 min Scan# 996
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 117 Resp: 27117
Ion Ratio Lower Upper
117 100
119 86.8 76.4 114.6
121 28.3 25.8 38.6





#39

Methylcyclohexane

Concen: 5.312 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

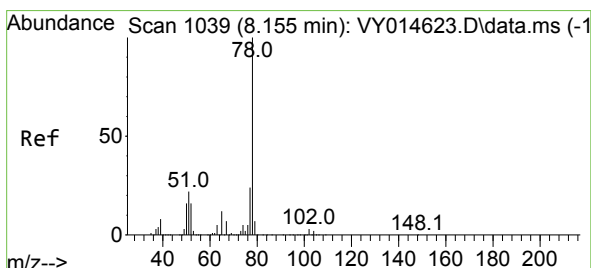
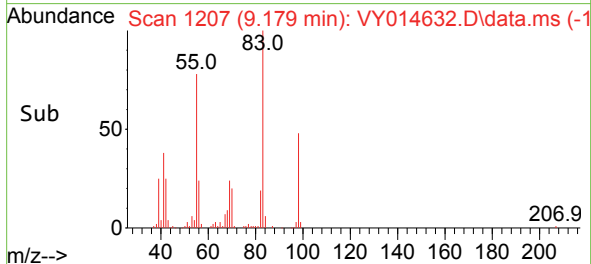
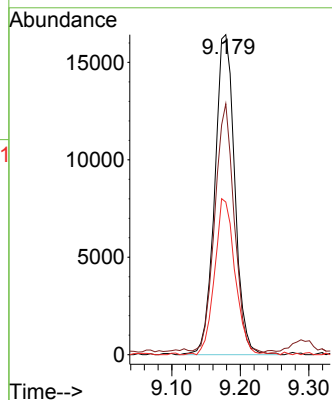
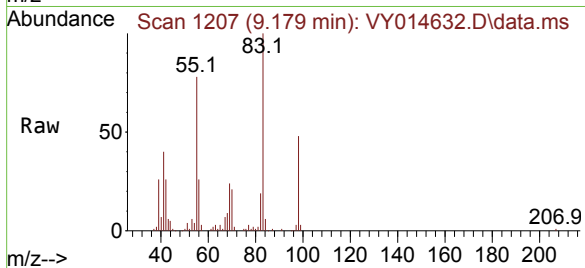
Tgt Ion: 83 Resp: 33243

Ion Ratio Lower Upper

83 100

55 77.3 63.0 94.4

98 47.7 37.4 56.2



#40

Benzene

Concen: 5.397 ug/l

RT: 8.155 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VY014632.D

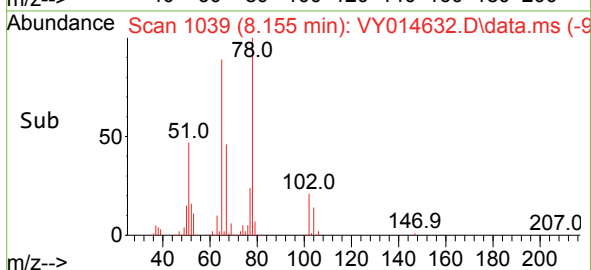
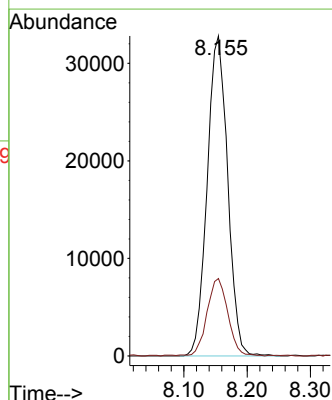
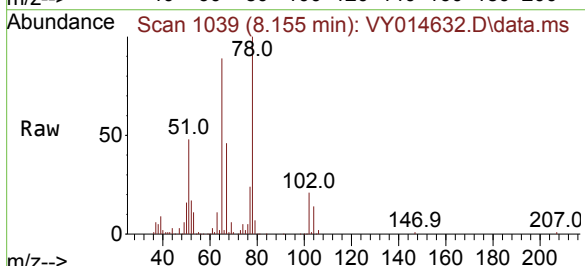
Acq: 13 Jul 2023 17:12

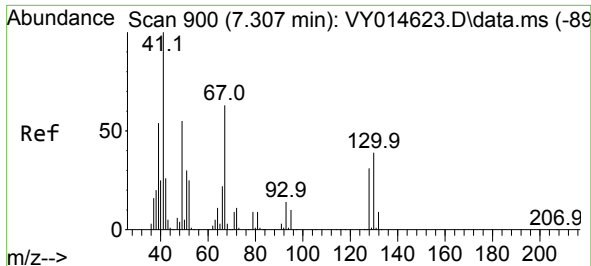
Tgt Ion: 78 Resp: 73726

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6

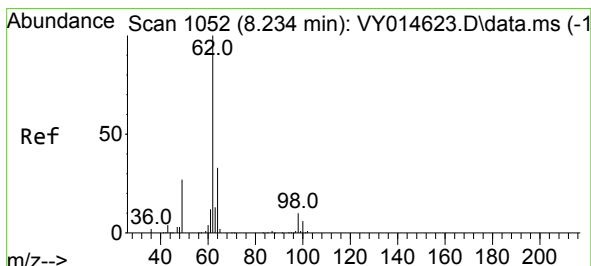
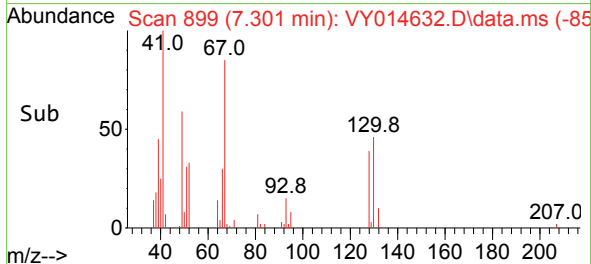
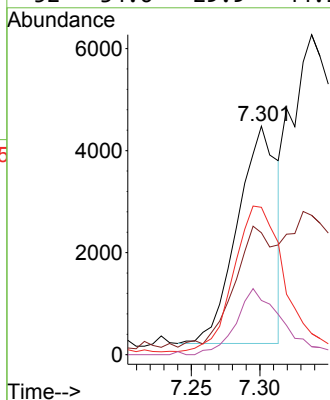
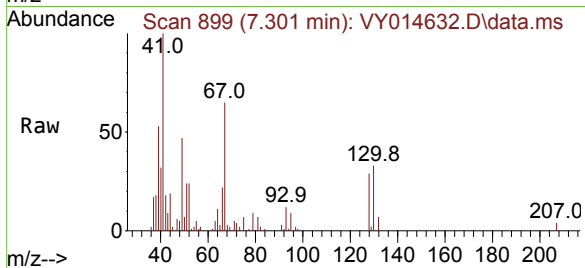




#41
Methacrylonitrile
Concen: 5.056 ug/l
RT: 7.301 min Scan# 899
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

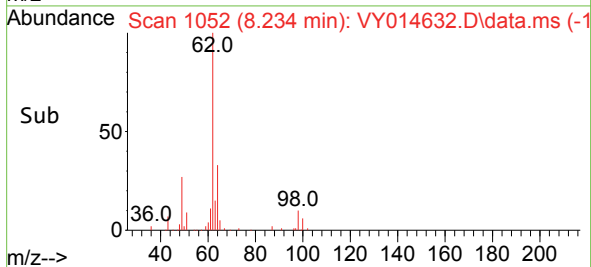
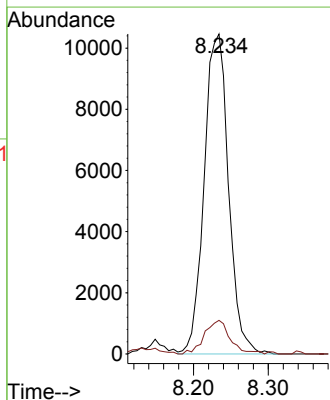
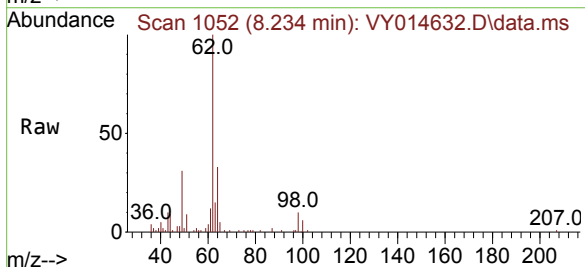
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

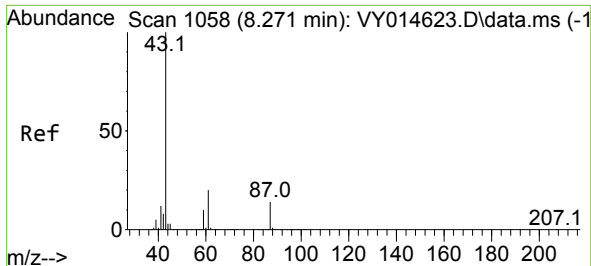
Tgt Ion:	41	Resp:	8601
Ion	Ratio	Lower	Upper
41	100		
39	50.3	52.1	78.1#
67	87.4	66.2	99.2
52	34.6	29.9	44.9



#42
1,2-Dichloroethane
Concen: 5.483 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion:	62	Resp:	23718
Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	15.8

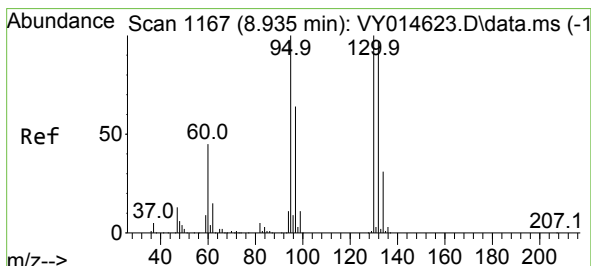
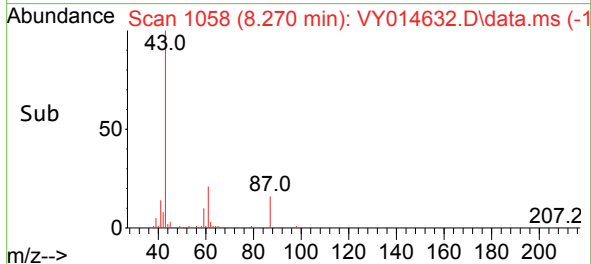
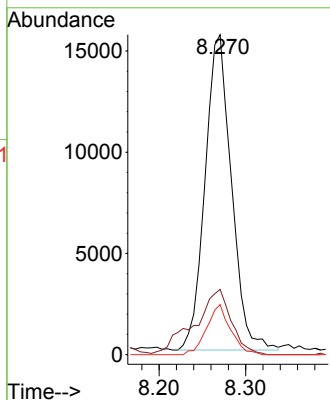
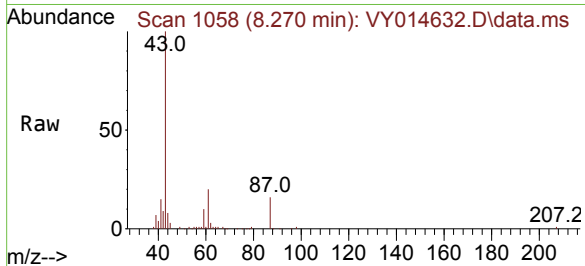




#43
Isopropyl Acetate
Concen: 5.232 ug/l
RT: 8.270 min Scan# 11058
Delta R.T. -0.001 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

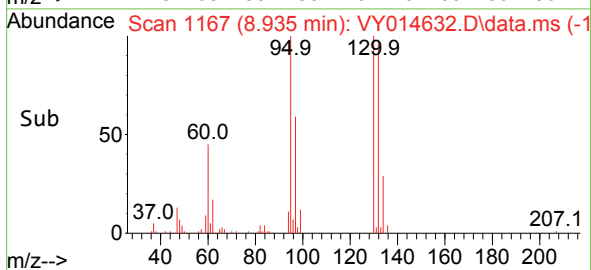
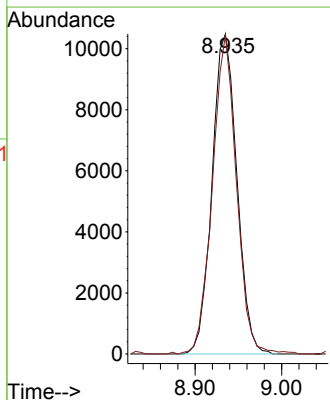
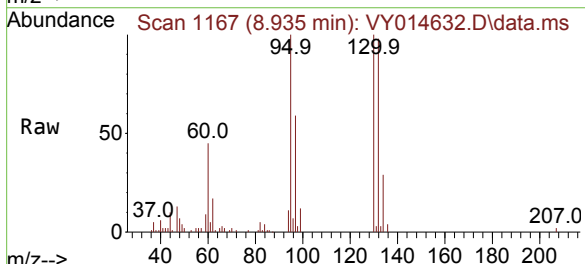
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2023

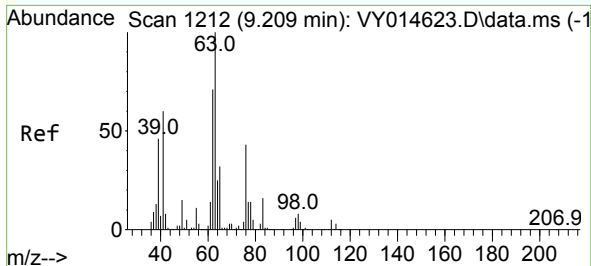
Tgt Ion:	43	Resp:	32963
Ion	Ratio	Lower	Upper
43	100		
61	29.0	21.1	31.7
87	14.4	9.8	14.8



#44
Trichloroethene
Concen: 5.462 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion:	130	Resp:	20877
Ion	Ratio	Lower	Upper
130	100		
95	99.6	0.0	196.0





#45

1,2-Dichloropropane

Concen: 5.245 ug/l

RT: 9.209 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

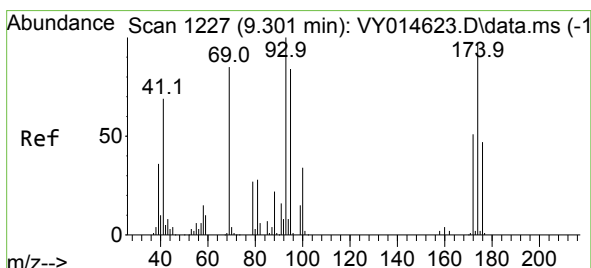
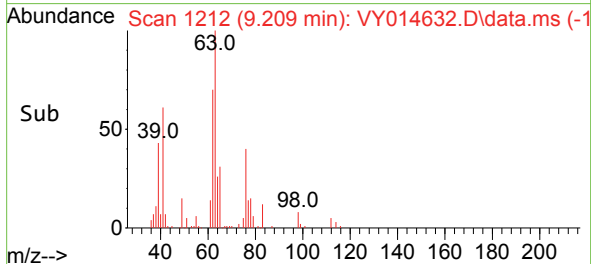
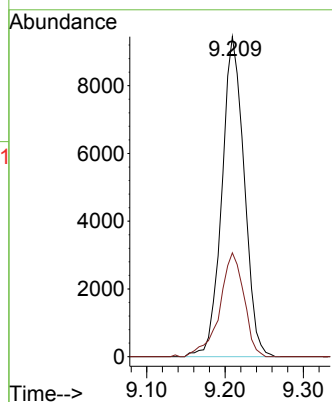
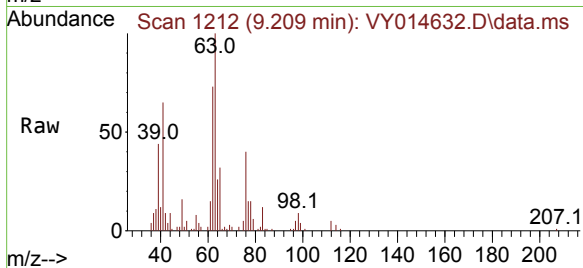
LOQ-SOIL-02-QT3-2023

Tgt Ion: 63 Resp: 18711

Ion Ratio Lower Upper

63 100

65 32.4 23.8 35.6



#46

Dibromomethane

Concen: 5.386 ug/l

RT: 9.295 min Scan# 1226

Delta R.T. -0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

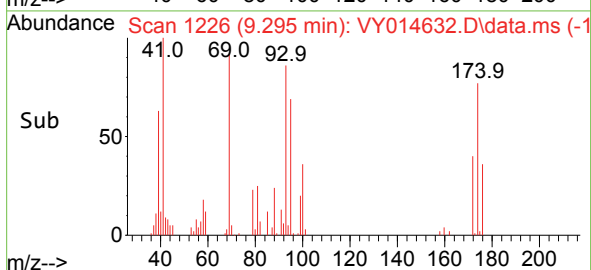
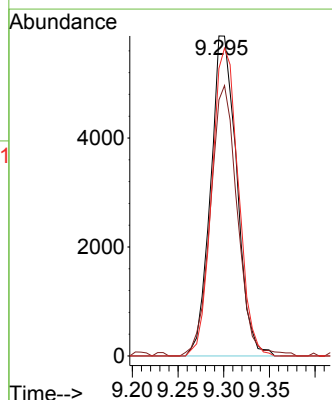
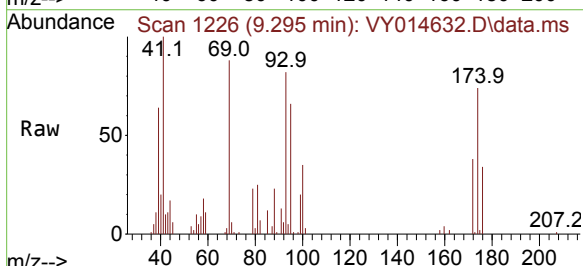
Tgt Ion: 93 Resp: 11656

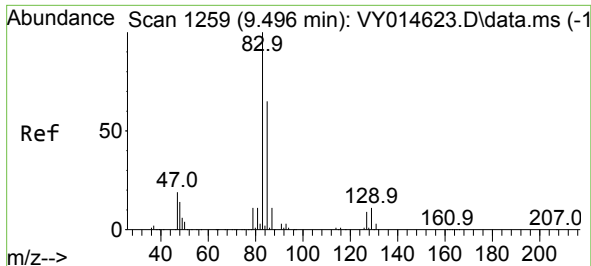
Ion Ratio Lower Upper

93 100

95 87.1 66.6 100.0

174 97.5 84.8 127.2

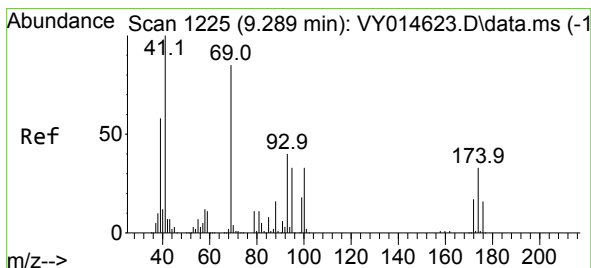
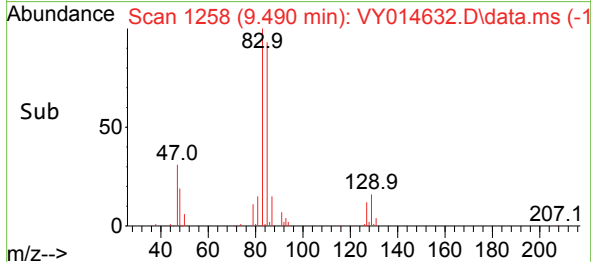
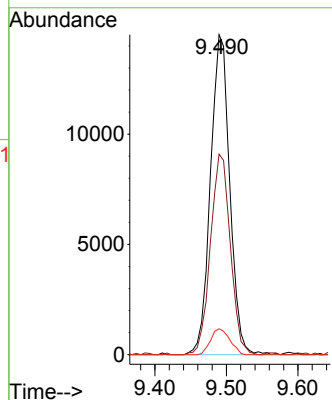
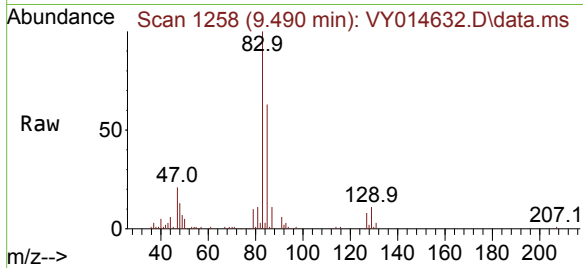




#47
Bromodichloromethane
Concen: 5.320 ug/l
RT: 9.490 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

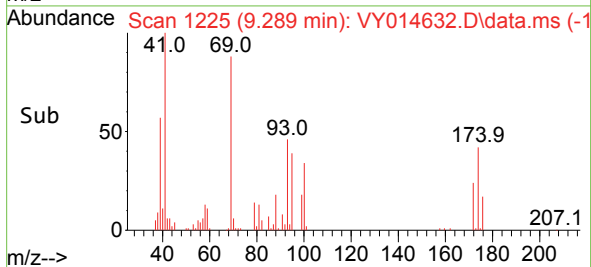
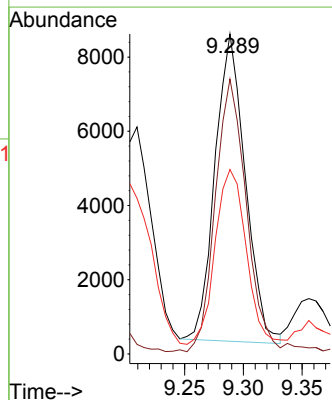
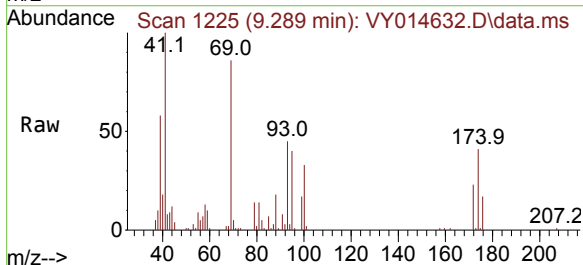
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

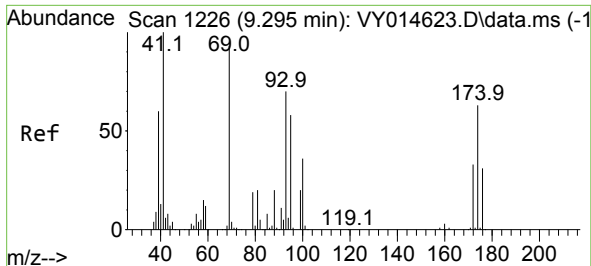
Tgt Ion:	83	Resp:	27134
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.1	75.1
127	8.1	7.1	10.7



#48
Methyl methacrylate
Concen: 5.221 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion:	41	Resp:	14799
Ion	Ratio	Lower	Upper
41	100		
69	91.3	64.5	96.7
39	62.7	50.8	76.2





#49

1,4-Dioxane

Concen: 106.981 ug/l

RT: 9.295 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

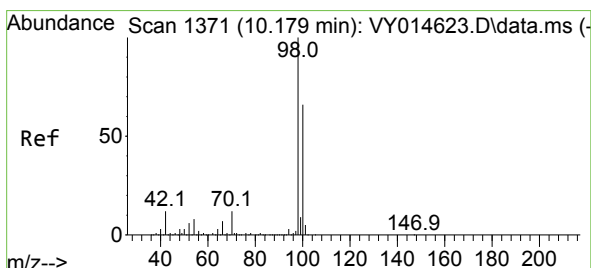
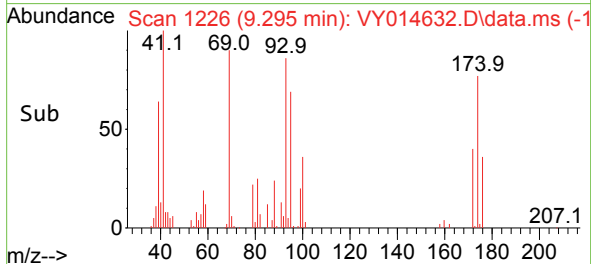
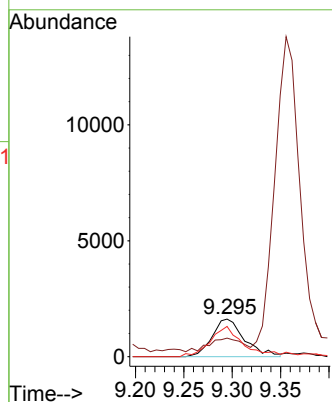
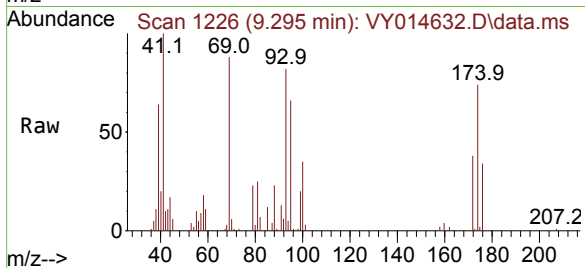
Tgt Ion: 88 Resp: 3775

Ion Ratio Lower Upper

88 100

43 37.1 0.0 0.0#

58 83.9 30.9 46.3#



#50

Toluene-d8

Concen: 48.766 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. -0.006 min

Lab File: VY014632.D

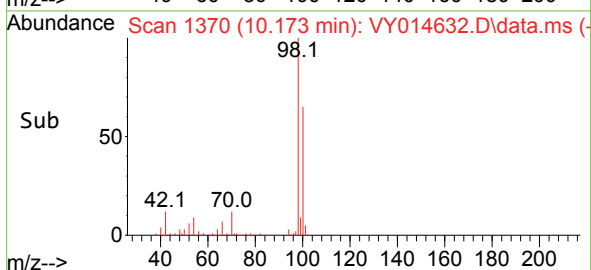
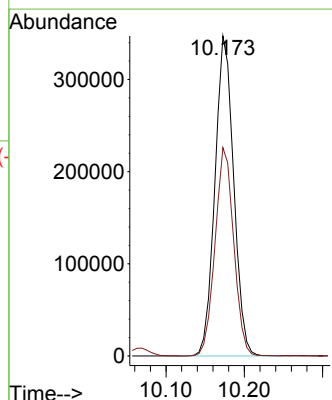
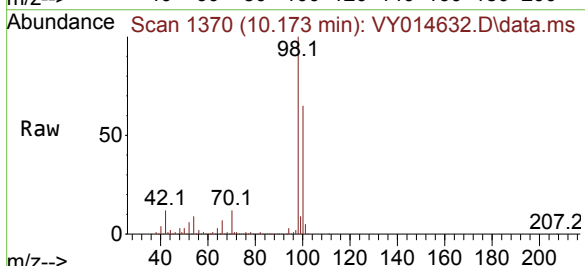
Acq: 13 Jul 2023 17:12

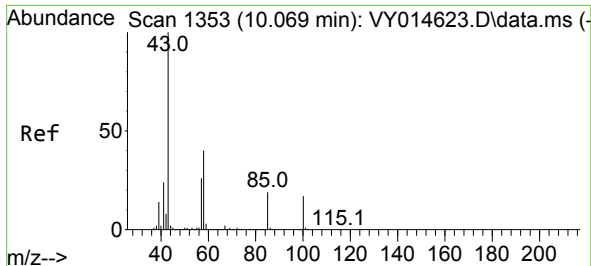
Tgt Ion: 98 Resp: 577477

Ion Ratio Lower Upper

98 100

100 64.8 50.1 75.1





#51

4-Methyl-2-Pentanone

Concen: 27.395 ug/l

RT: 10.063 min Scan# 1352

Delta R.T. -0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

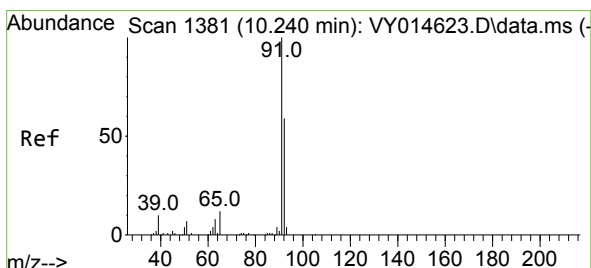
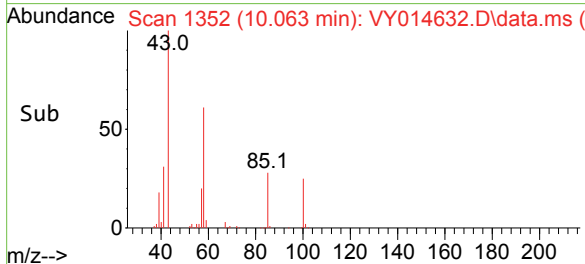
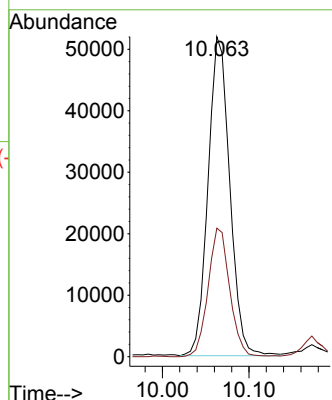
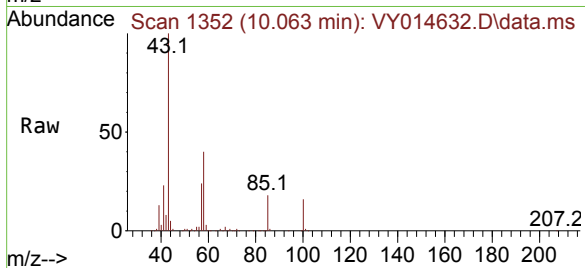
LOQ-SOIL-02-QT3-2023

Tgt Ion: 43 Resp: 90612

Ion Ratio Lower Upper

43 100

58 40.0 29.0 43.6



#52

Toluene

Concen: 5.371 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.000 min

Lab File: VY014632.D

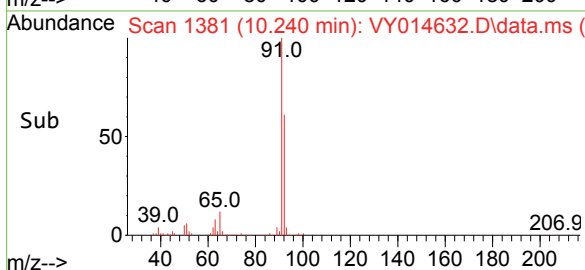
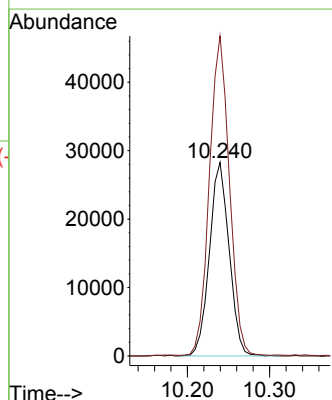
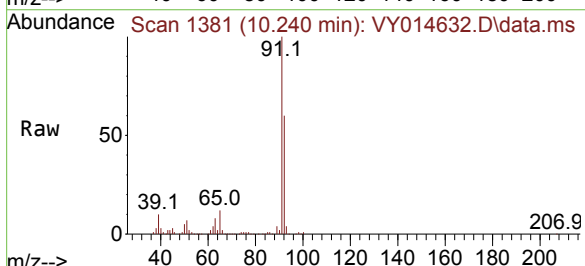
Acq: 13 Jul 2023 17:12

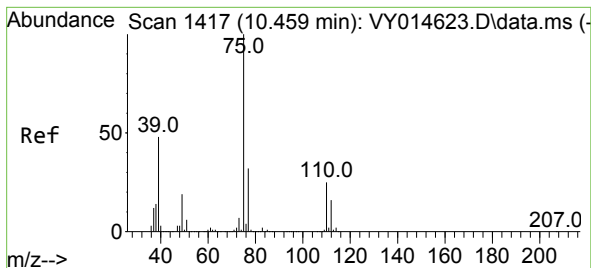
Tgt Ion: 92 Resp: 46948

Ion Ratio Lower Upper

92 100

91 167.4 143.8 215.6





#53

t-1,3-Dichloropropene

Concen: 5.061 ug/l

RT: 10.459 min Scan# 1417

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

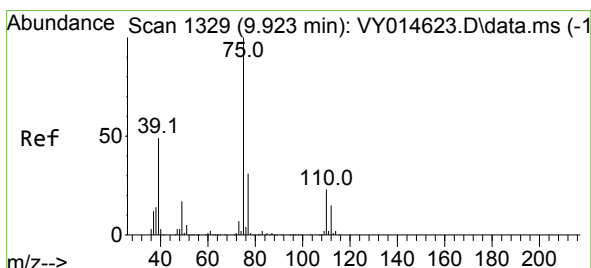
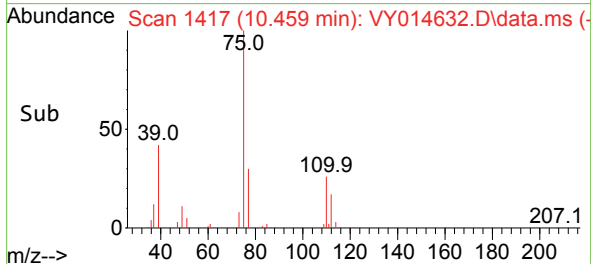
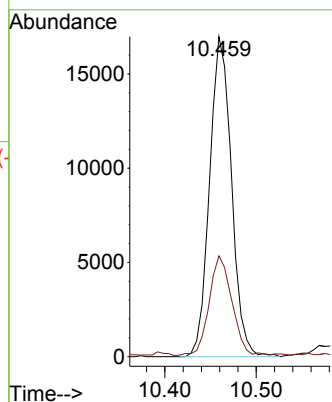
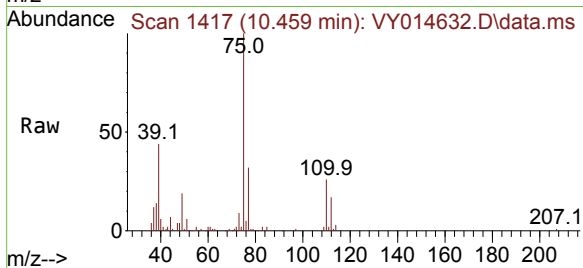
LOQ-SOIL-02-QT3-2023

Tgt Ion: 75 Resp: 28235

Ion Ratio Lower Upper

75 100

77 31.0 25.0 37.4



#54

cis-1,3-Dichloropropene

Concen: 5.250 ug/l

RT: 9.923 min Scan# 1329

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

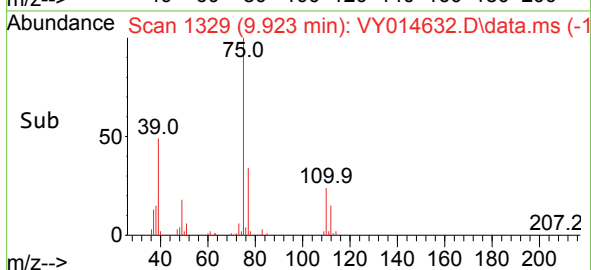
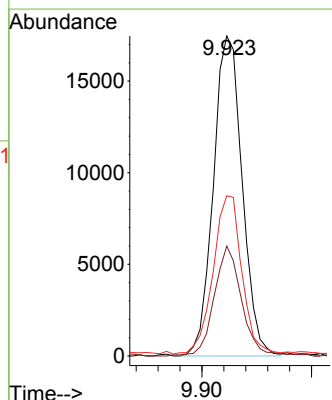
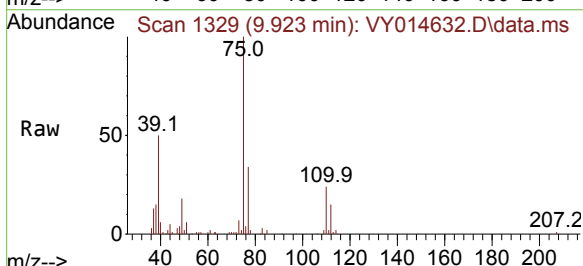
Tgt Ion: 75 Resp: 31851

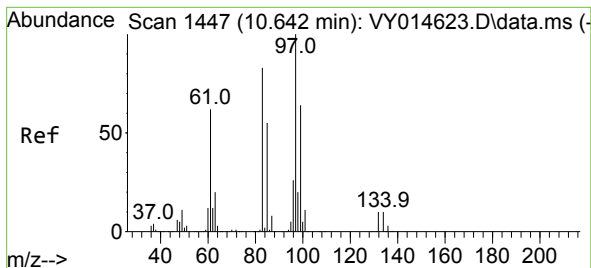
Ion Ratio Lower Upper

75 100

77 34.0 24.2 36.4

39 49.0 42.2 63.4





#55

1,1,2-Trichloroethane

Concen: 5.314 ug/l

RT: 10.642 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 97 Resp: 16020

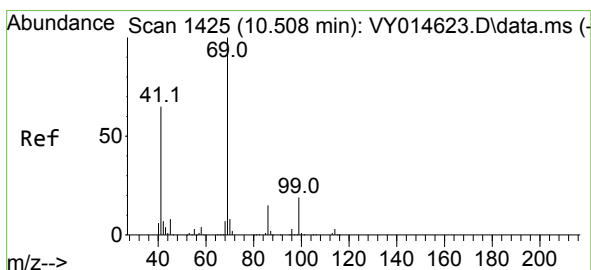
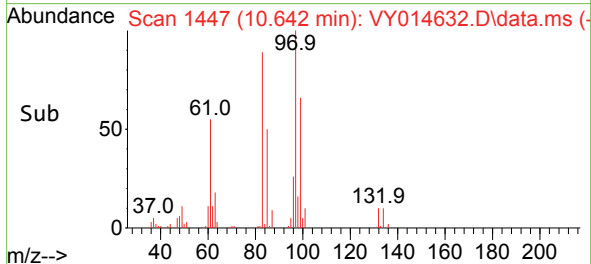
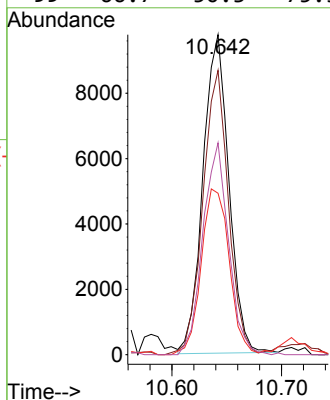
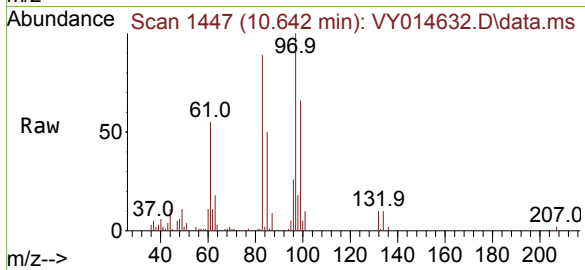
Ion Ratio Lower Upper

97 100

83 88.1 72.0 108.0

85 49.8 45.4 68.0

99 66.7 50.3 75.5



#56

Ethyl methacrylate

Concen: 5.231 ug/l

RT: 10.502 min Scan# 1424

Delta R.T. -0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

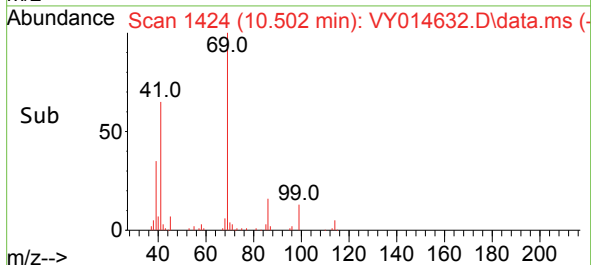
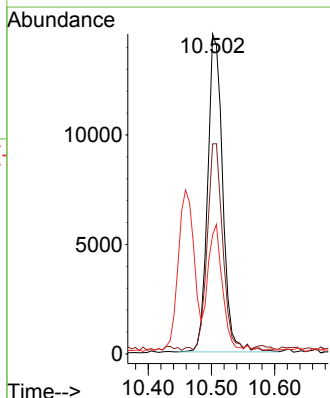
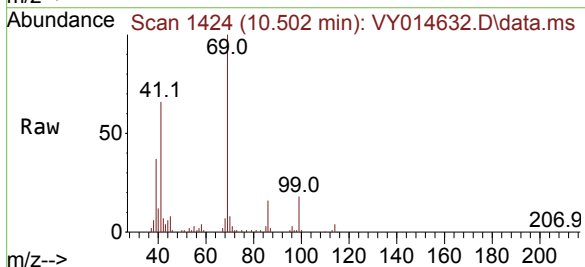
Tgt Ion: 69 Resp: 24075

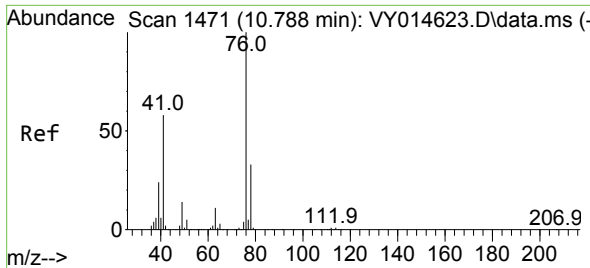
Ion Ratio Lower Upper

69 100

41 66.9 57.6 86.4

39 36.7 34.1 51.1

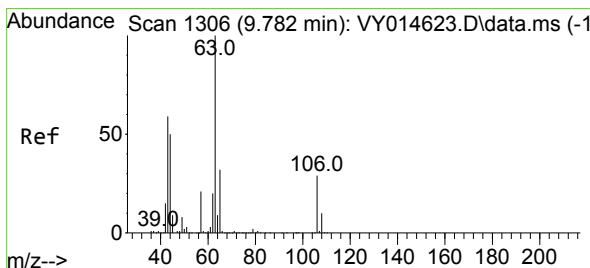
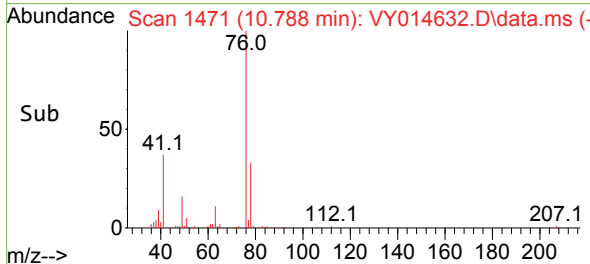
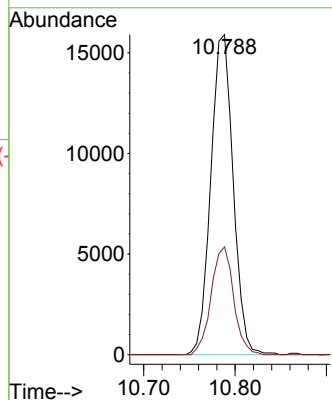
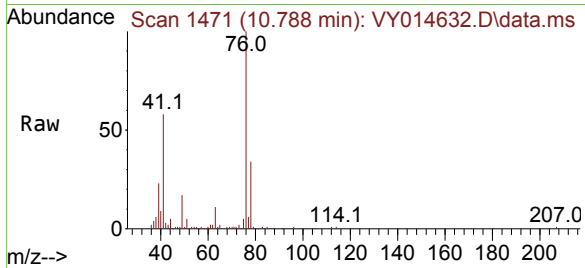




#57
 1,3-Dichloropropane
 Concen: 5.203 ug/l
 RT: 10.788 min Scan# 1471
 Delta R.T. 0.000 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

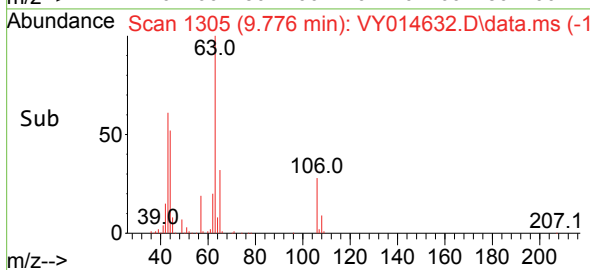
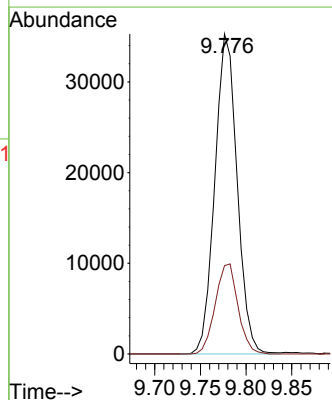
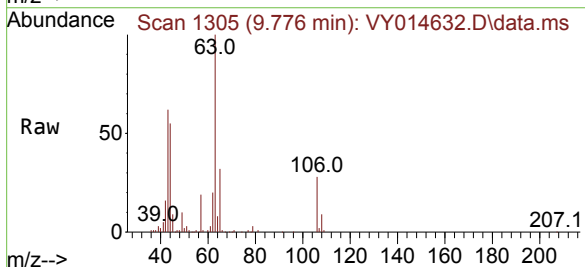
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT3-2023

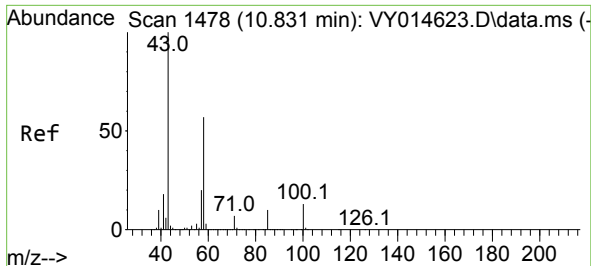
Tgt Ion: 76 Resp: 27051
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.871 ug/l
 RT: 9.776 min Scan# 1305
 Delta R.T. -0.006 min
 Lab File: VY014632.D
 Acq: 13 Jul 2023 17:12

Tgt Ion: 63 Resp: 59770
 Ion Ratio Lower Upper
 63 100
 106 28.7 21.2 31.8

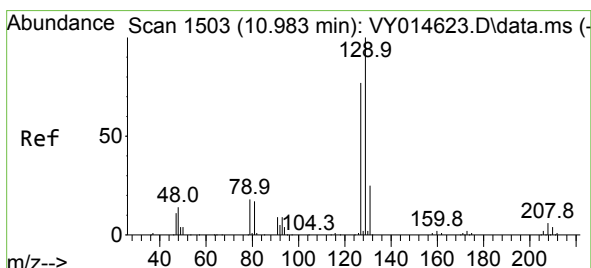
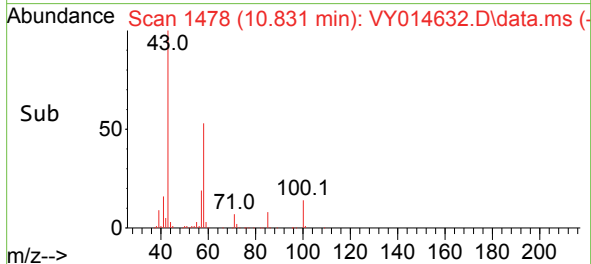
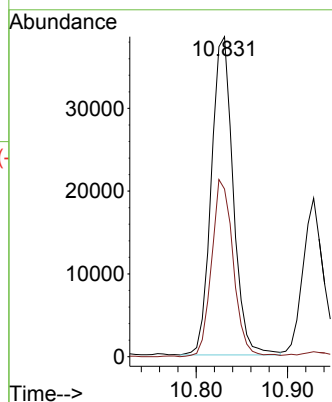
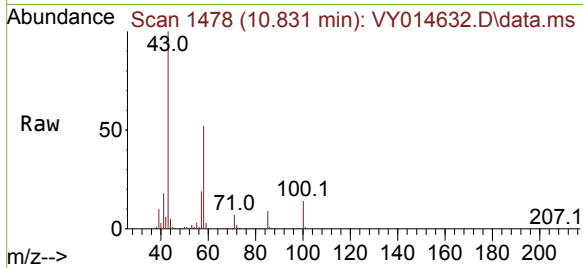




#59
2-Hexanone
Concen: 26.526 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

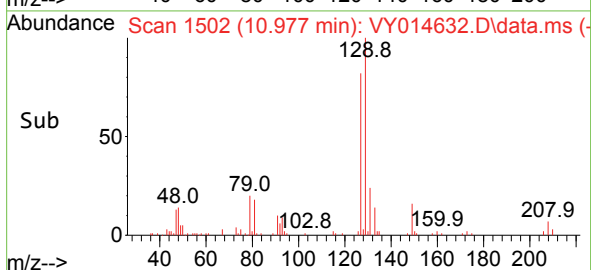
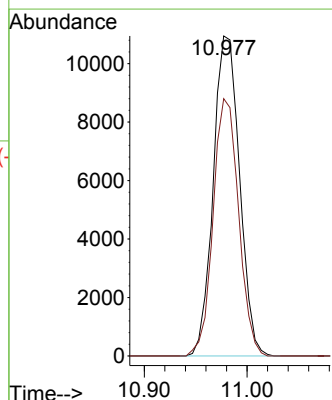
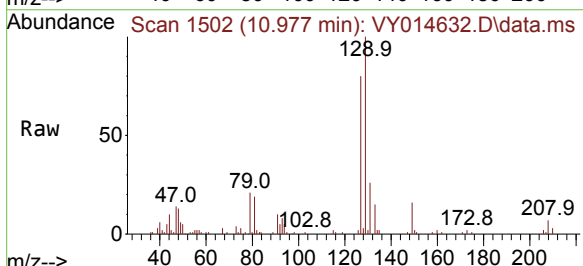
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2023

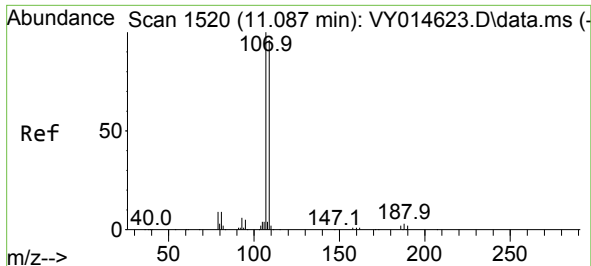
Tgt Ion: 43 Resp: 63984
Ion Ratio Lower Upper
43 100
58 55.2 25.1 75.3



#60
Dibromochloromethane
Concen: 5.266 ug/l
RT: 10.977 min Scan# 1502
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 129 Resp: 19463
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5

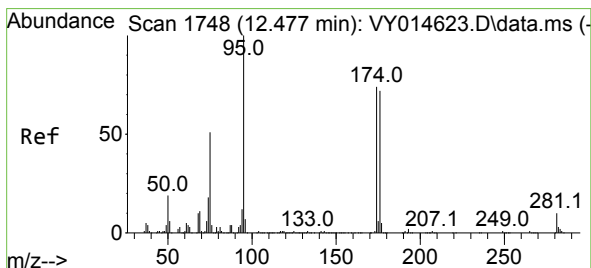
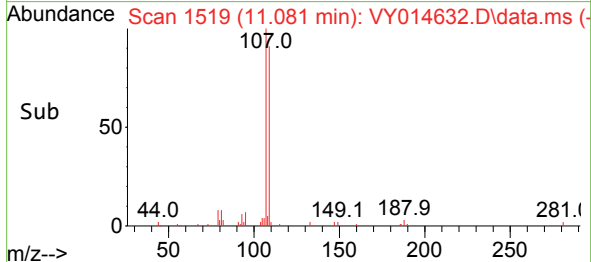
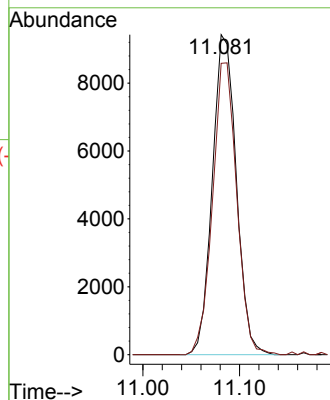
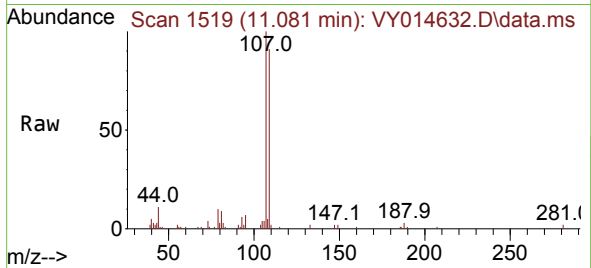




#61
1,2-Dibromoethane
Concen: 5.382 ug/l
RT: 11.081 min Scan# 1519
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

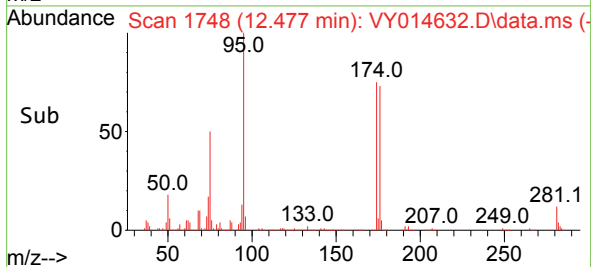
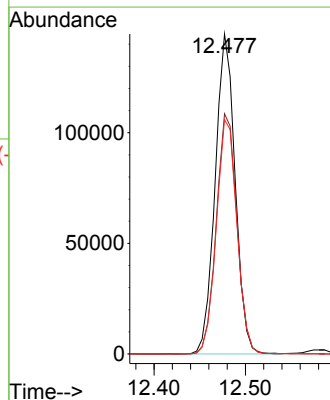
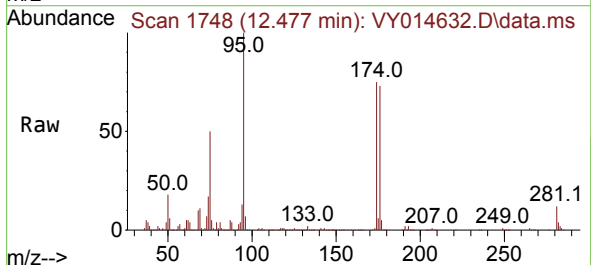
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2023

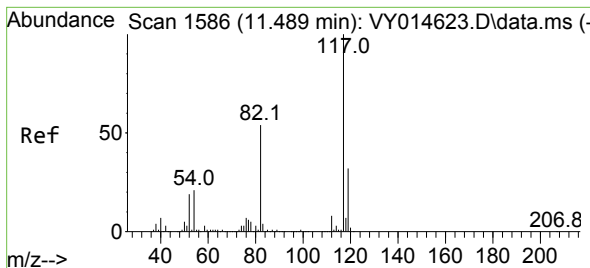
Tgt Ion:107 Resp: 16185
Ion Ratio Lower Upper
107 100
109 92.3 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 48.347 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 95 Resp: 219524
Ion Ratio Lower Upper
95 100
174 77.4 0.0 178.2
176 75.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

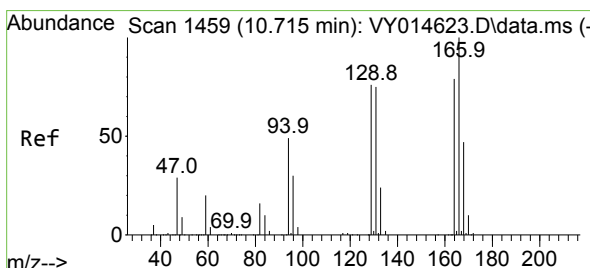
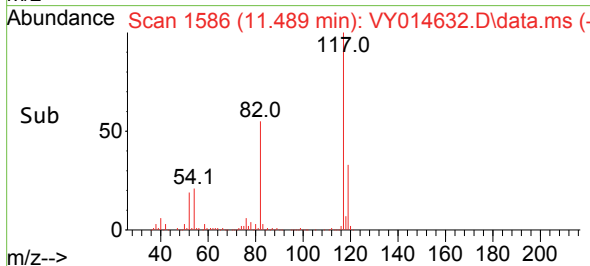
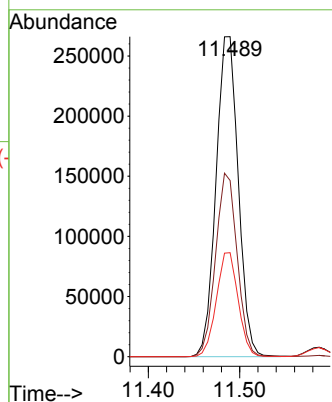
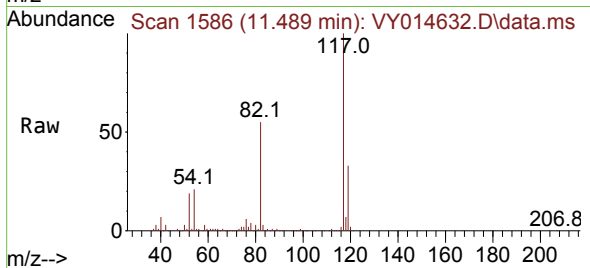
Tgt Ion:117 Resp: 450071

Ion Ratio Lower Upper

117 100

82 55.0 43.4 65.0

119 32.5 26.3 39.5



#64

Tetrachloroethene

Concen: 5.702 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Tgt Ion:164 Resp: 20640

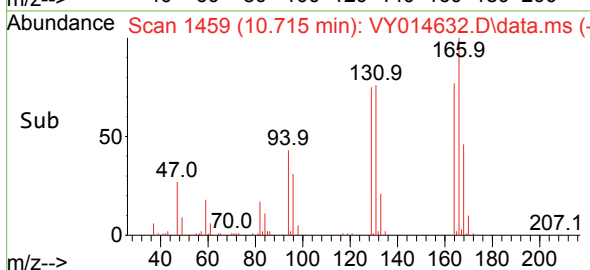
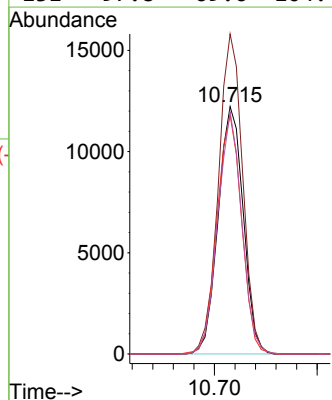
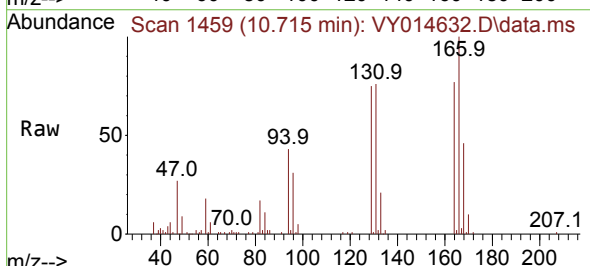
Ion Ratio Lower Upper

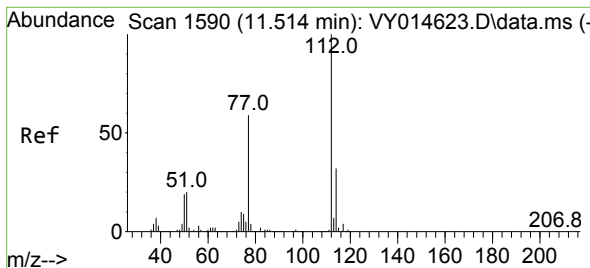
164 100

166 129.4 103.0 154.6

129 96.6 77.2 115.8

131 97.8 69.6 104.4





#65

Chlorobenzene

Concen: 5.182 ug/l

RT: 11.514 min Scan# 1159

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

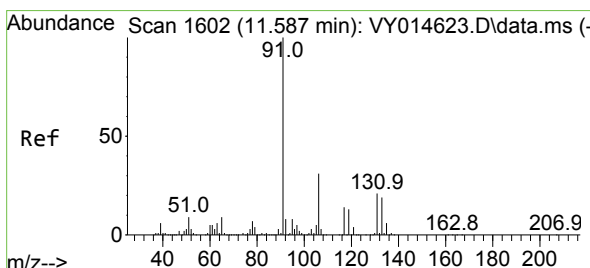
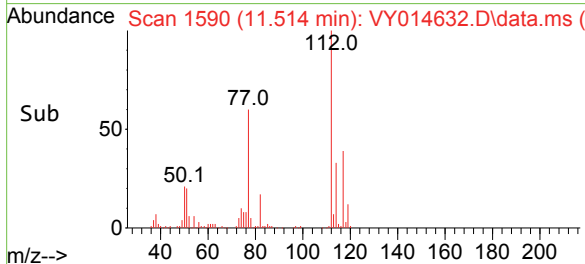
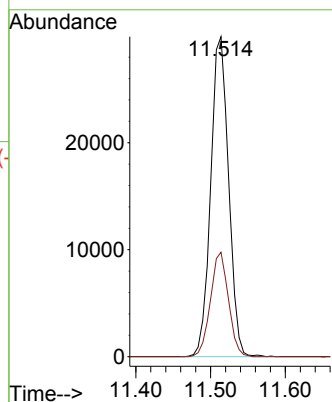
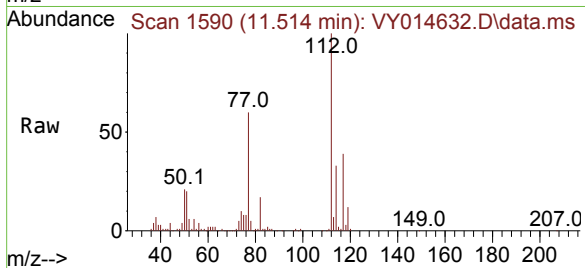
LOQ-SOIL-02-QT3-2023

Tgt Ion:112 Resp: 49699

Ion Ratio Lower Upper

112 100

114 32.7 25.5 38.3



#66

1,1,1,2-Tetrachloroethane

Concen: 5.221 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

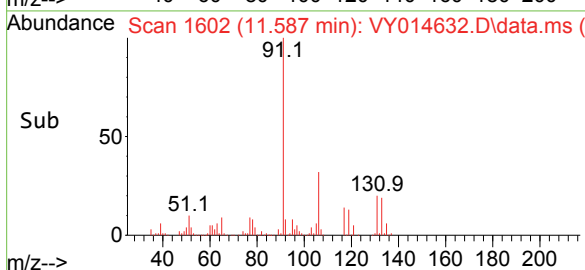
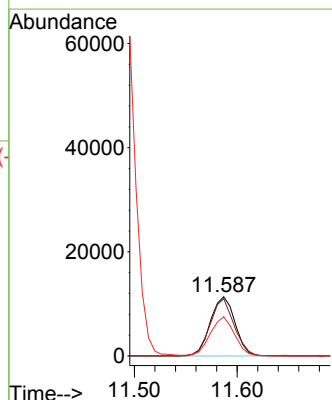
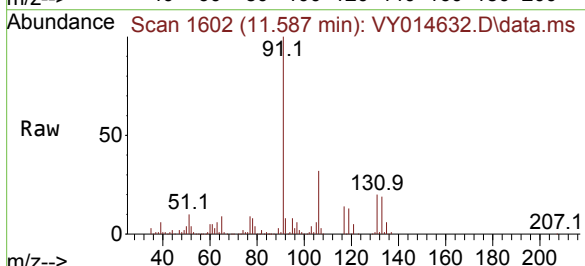
Tgt Ion:131 Resp: 18880

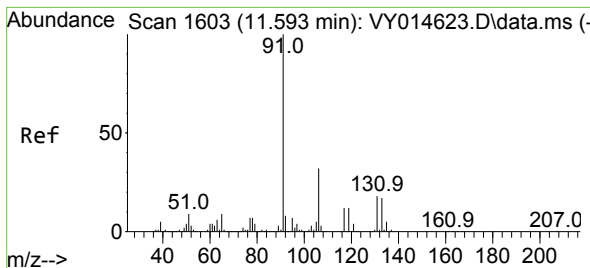
Ion Ratio Lower Upper

131 100

133 95.3 47.5 142.6

119 65.5 31.6 94.7





#67

Ethyl Benzene

Concen: 5.254 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

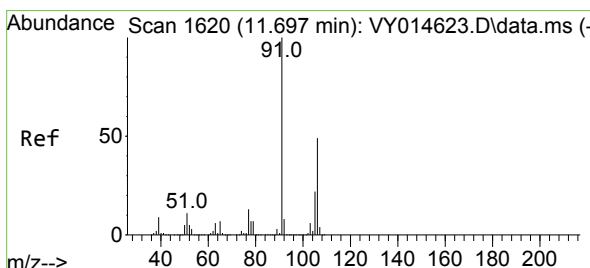
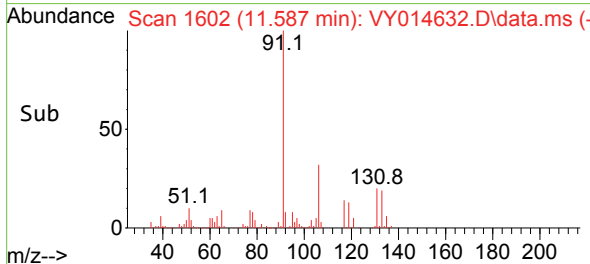
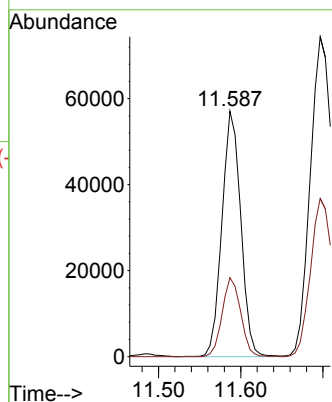
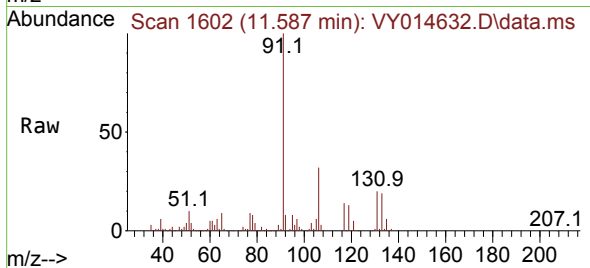
LOQ-SOIL-02-QT3-2023

Tgt Ion: 91 Resp: 90987

Ion Ratio Lower Upper

91 100

106 32.2 24.6 36.8



#68

m/p-Xylenes

Concen: 10.401 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014632.D

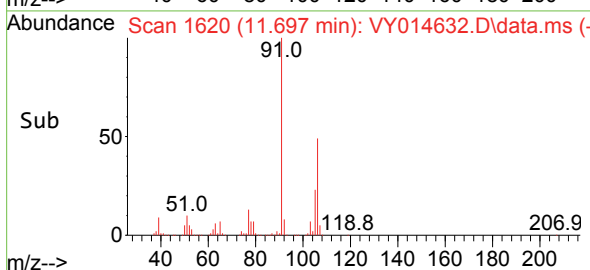
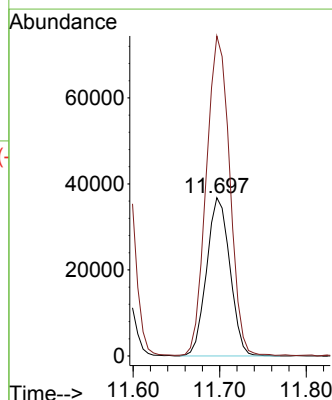
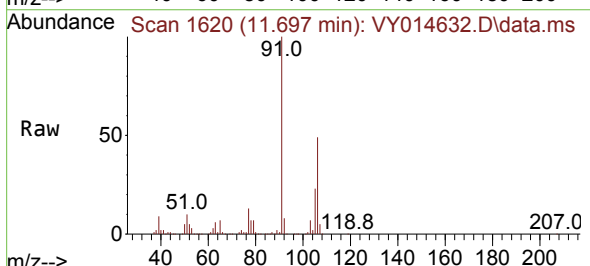
Acq: 13 Jul 2023 17:12

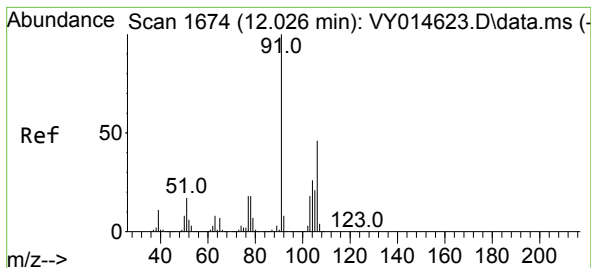
Tgt Ion:106 Resp: 68751

Ion Ratio Lower Upper

106 100

91 202.8 166.1 249.1





#69

o-Xylene

Concen: 5.316 ug/l

RT: 12.026 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

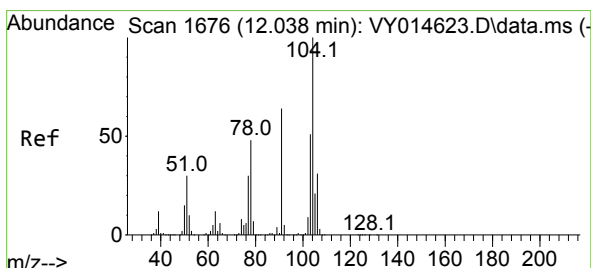
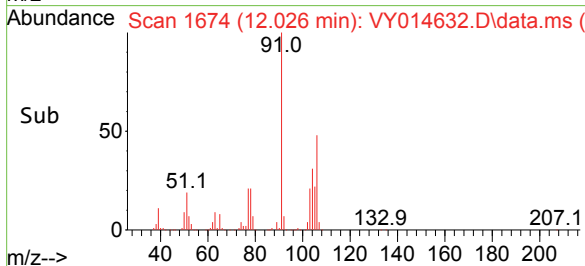
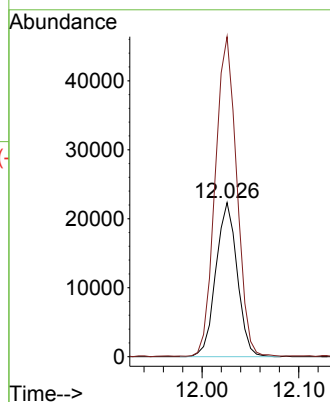
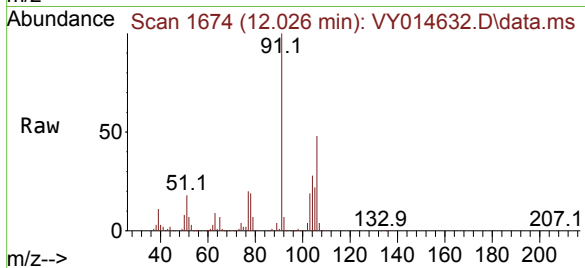
LOQ-SOIL-02-QT3-2023

Tgt Ion:106 Resp: 34229

Ion Ratio Lower Upper

106 100

91 208.9 108.1 324.3



#70

Styrene

Concen: 5.292 ug/l

RT: 12.038 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

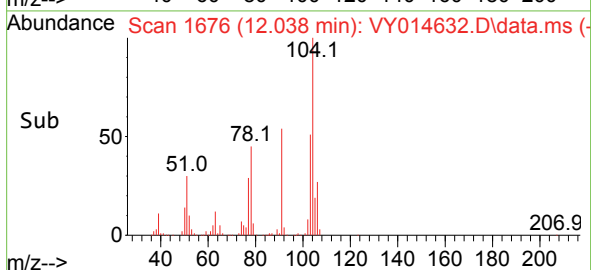
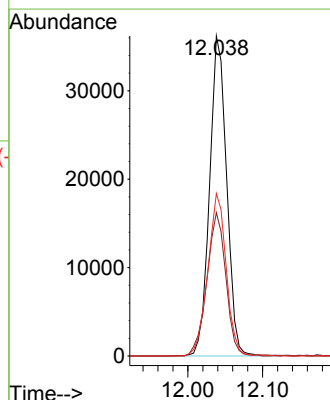
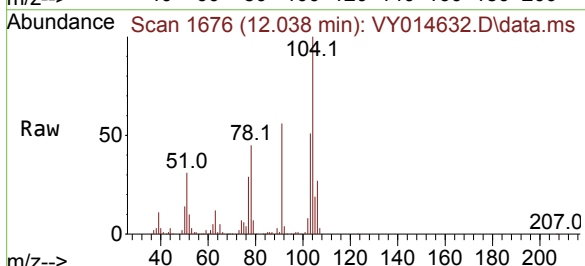
Tgt Ion:104 Resp: 57421

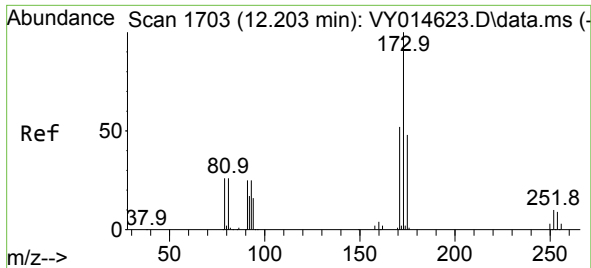
Ion Ratio Lower Upper

104 100

78 49.6 41.5 62.3

103 54.7 44.6 67.0

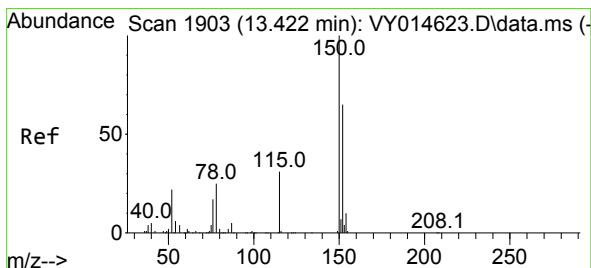
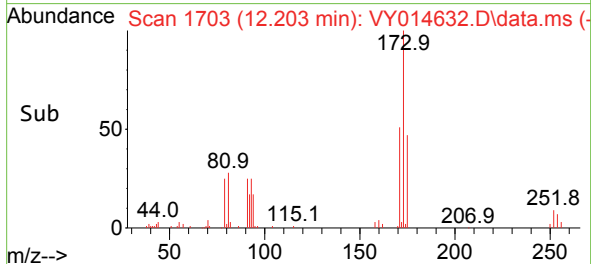
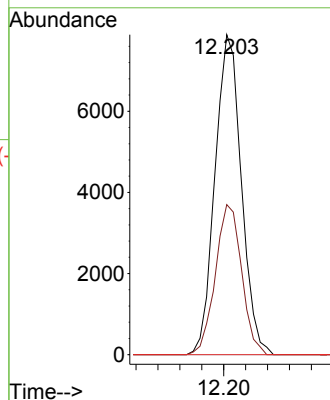
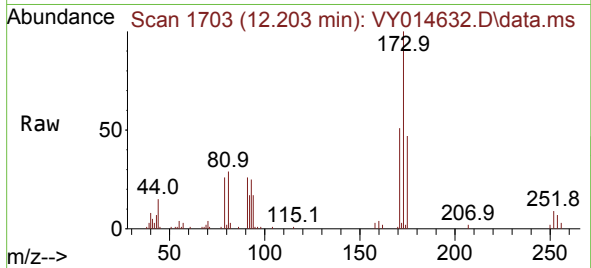




#71
Bromoform
Concen: 5.371 ug/l
RT: 12.203 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

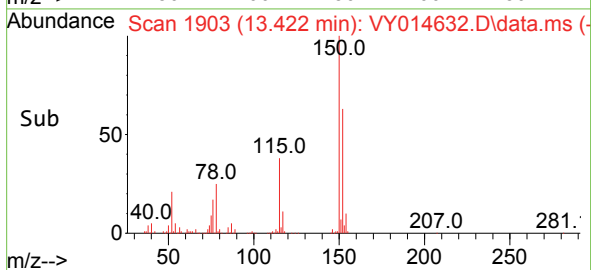
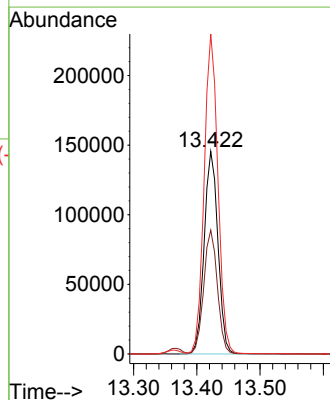
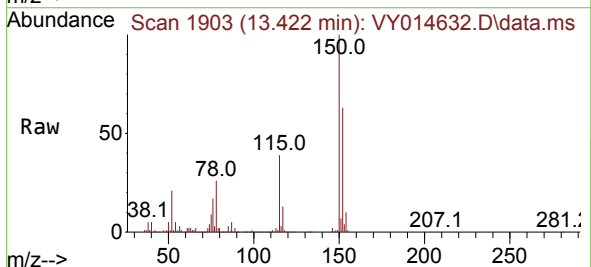
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

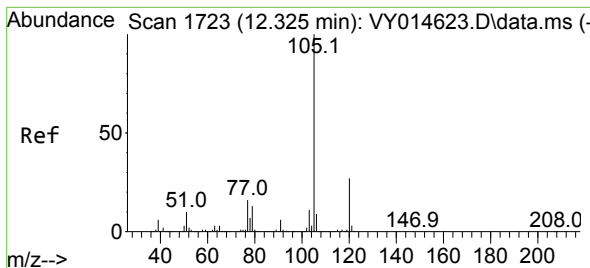
Tgt Ion:173 Resp: 13166
Ion Ratio Lower Upper
173 100
175 46.7 24.6 73.8
254 0.0 0.2 0.2#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion:152 Resp: 220903
Ion Ratio Lower Upper
152 100
115 60.6 28.8 86.5
150 157.9 0.0 348.8





#73

Isopropylbenzene

Concen: 5.176 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

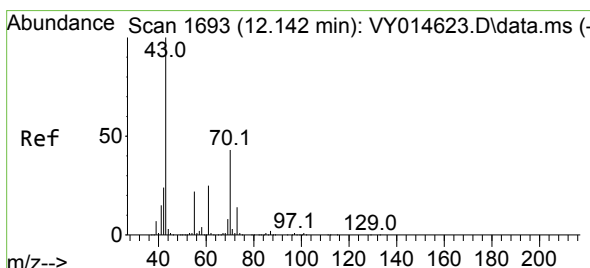
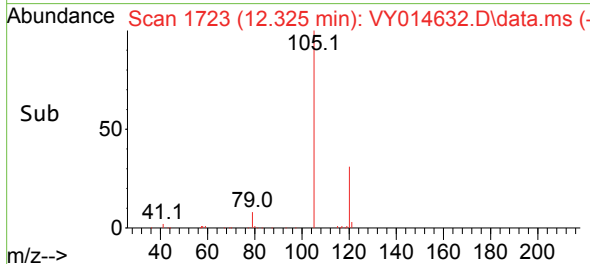
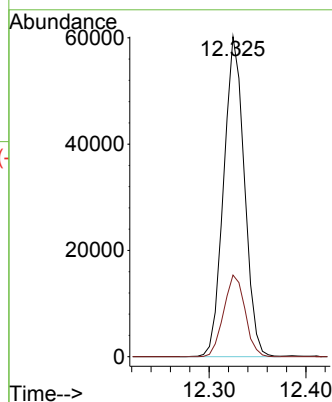
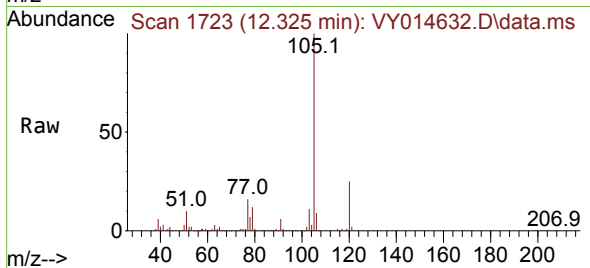
LOQ-SOIL-02-QT3-2023

Tgt Ion:105 Resp: 89525

Ion Ratio Lower Upper

105 100

120 26.2 13.3 39.9



#74

N-ethyl acetate

Concen: 5.135 ug/l

RT: 12.142 min Scan# 1693

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Tgt Ion: 43 Resp: 29745

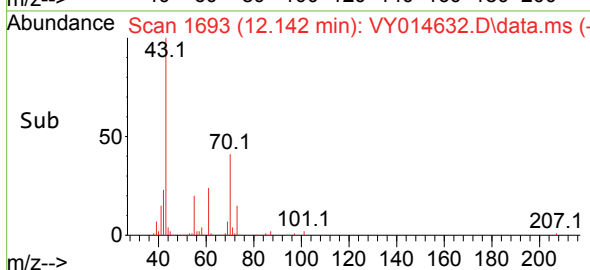
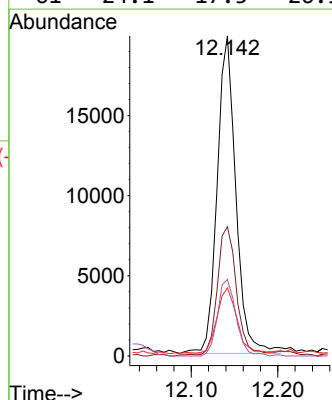
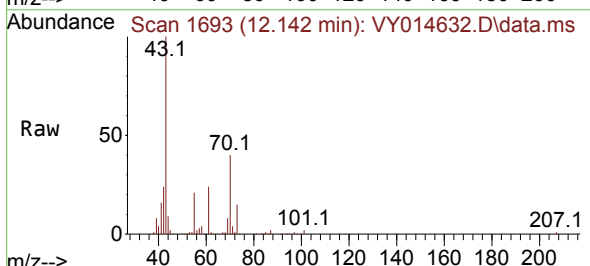
Ion Ratio Lower Upper

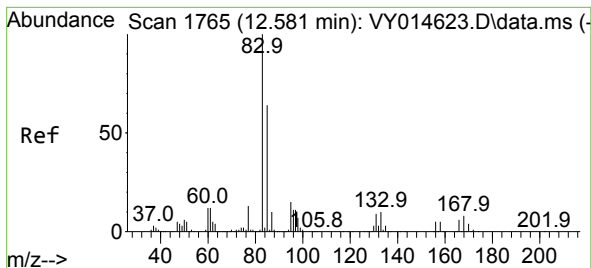
43 100

70 42.7 29.7 44.5

55 21.4 18.3 27.5

61 24.1 17.5 26.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.134 ug/l

RT: 12.575 min Scan# 1764

Delta R.T. -0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

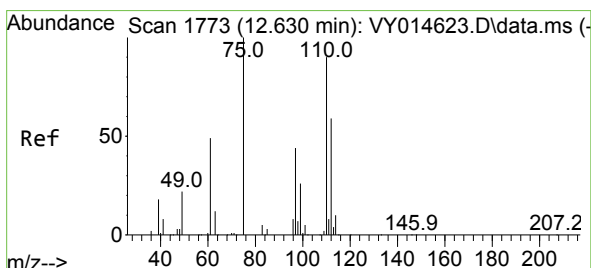
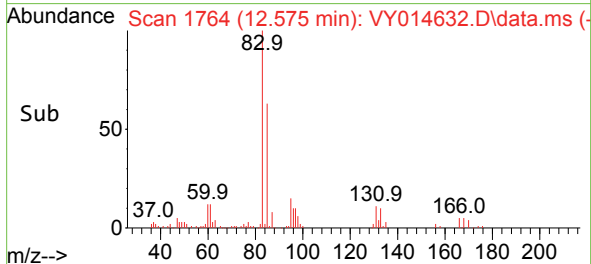
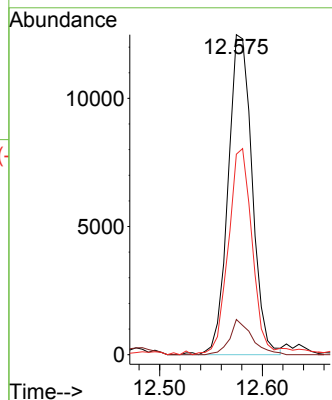
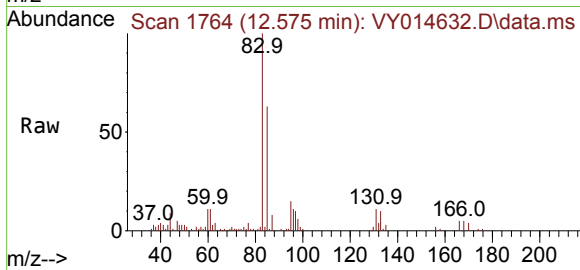
Tgt Ion: 83 Resp: 20252

Ion Ratio Lower Upper

83 100

131 10.2 5.4 16.2

85 65.8 31.8 95.4



#76

1,2,3-Trichloropropane

Concen: 9.624 ug/l

RT: 12.629 min Scan# 1773

Delta R.T. -0.001 min

Lab File: VY014632.D

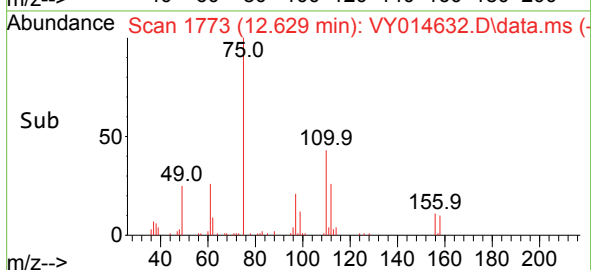
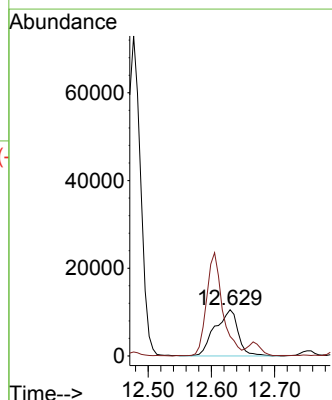
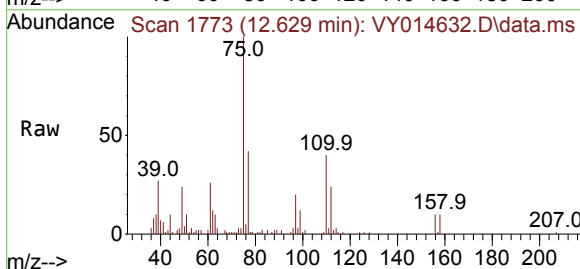
Acq: 13 Jul 2023 17:12

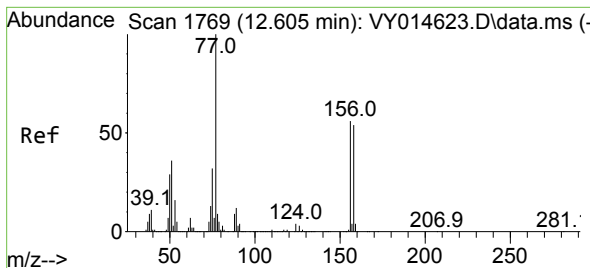
Tgt Ion: 75 Resp: 26850

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.224 ug/l

RT: 12.605 min Scan# 1769

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

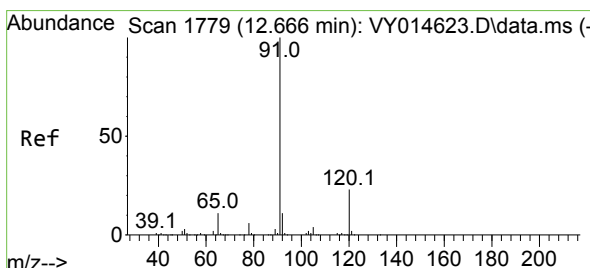
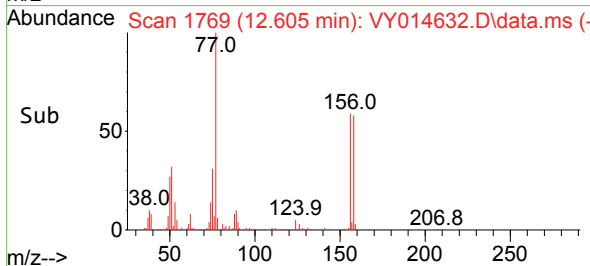
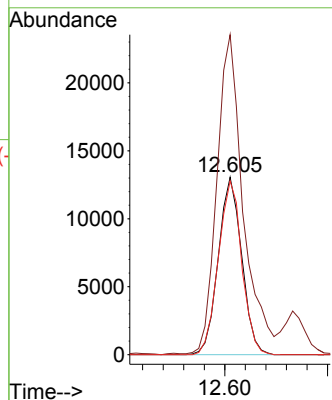
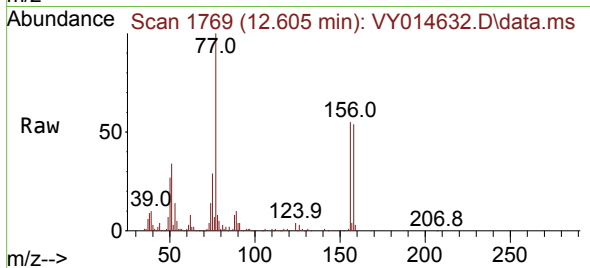
Tgt Ion:156 Resp: 20627

Ion Ratio Lower Upper

156 100

77 203.0 92.8 278.6

158 98.2 48.4 145.3



#78

n-propylbenzene

Concen: 5.093 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY014632.D

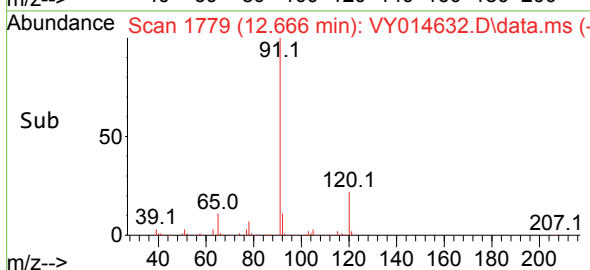
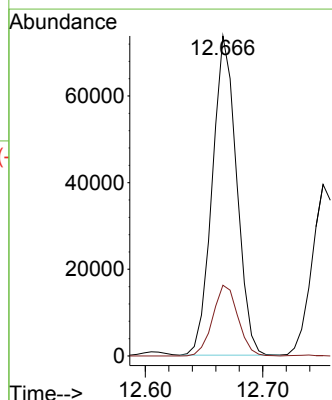
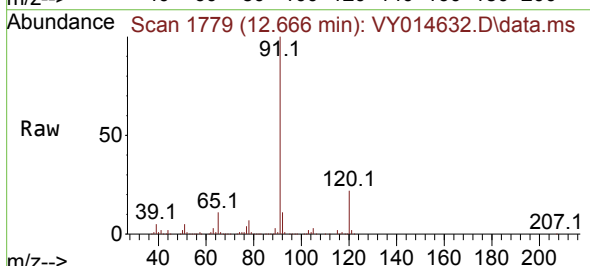
Acq: 13 Jul 2023 17:12

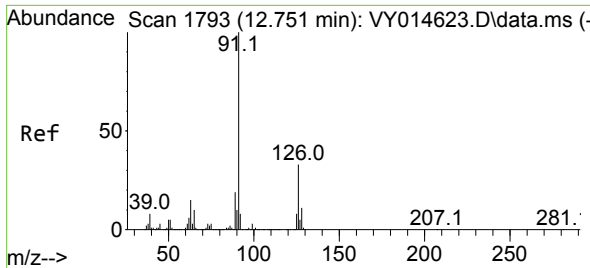
Tgt Ion: 91 Resp: 106147

Ion Ratio Lower Upper

91 100

120 23.0 11.5 34.4

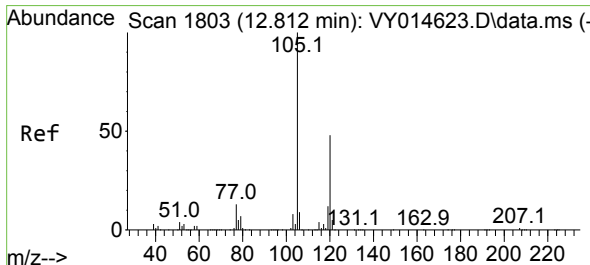
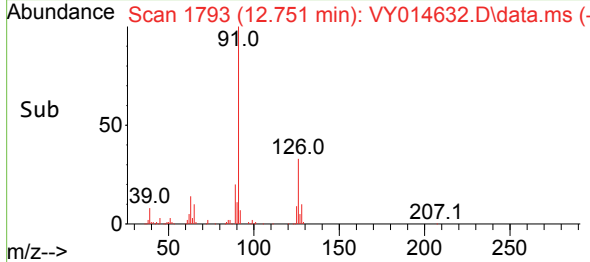
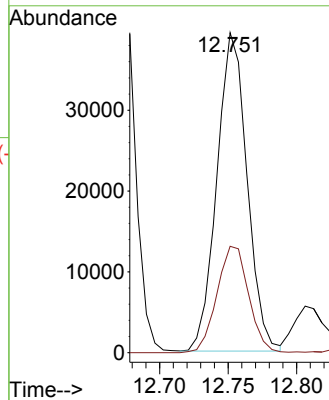
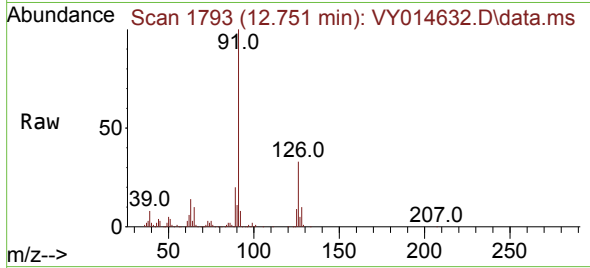




#79
2-Chlorotoluene
Concen: 5.026 ug/l
RT: 12.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

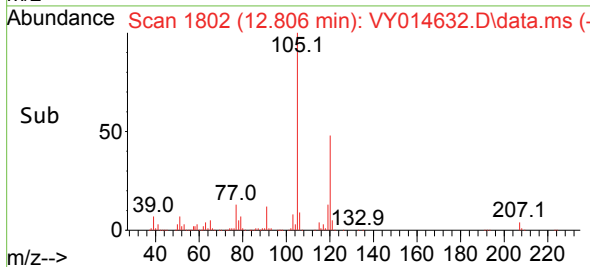
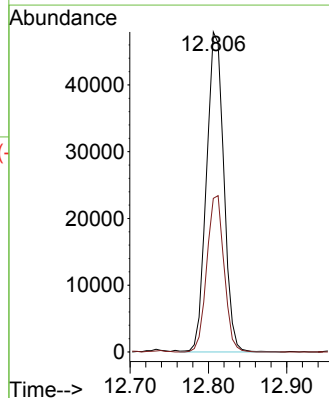
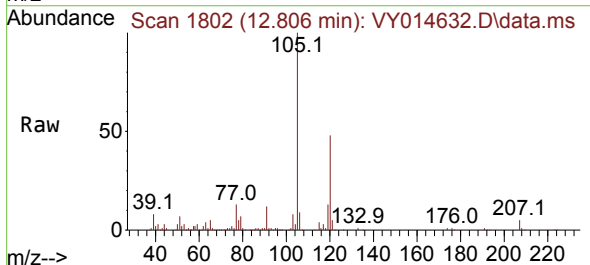
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

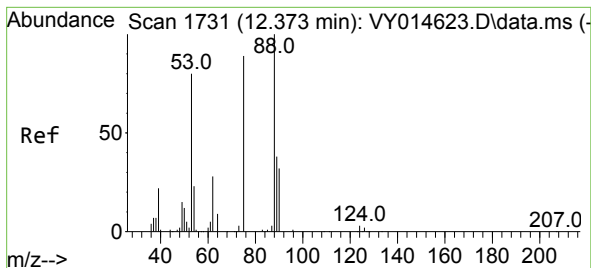
Tgt Ion: 91 Resp: 60343
Ion Ratio Lower Upper
91 100
126 35.2 17.3 51.7



#80
1,3,5-Trimethylbenzene
Concen: 5.097 ug/l
RT: 12.806 min Scan# 1802
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion: 105 Resp: 73631
Ion Ratio Lower Upper
105 100
120 48.6 23.9 71.7

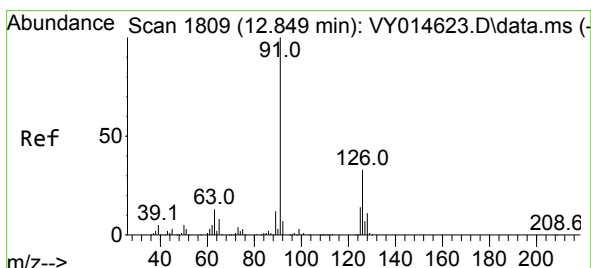
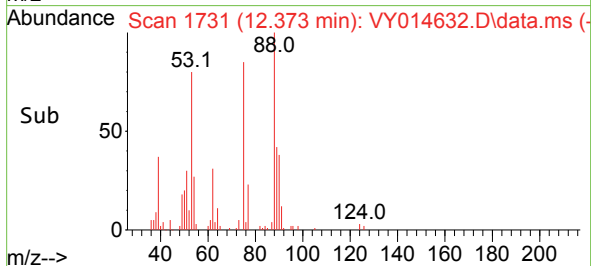
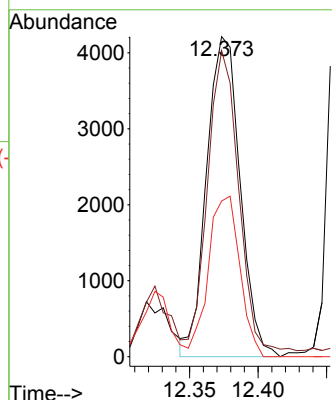
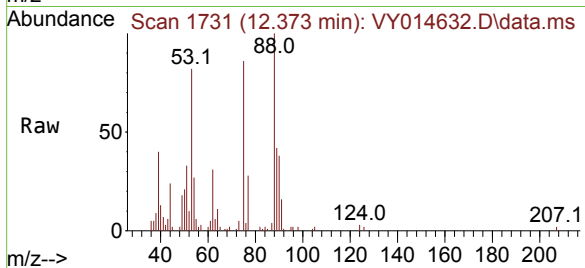




#81
trans-1,4-Dichloro-2-butene
Concen: 4.964 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

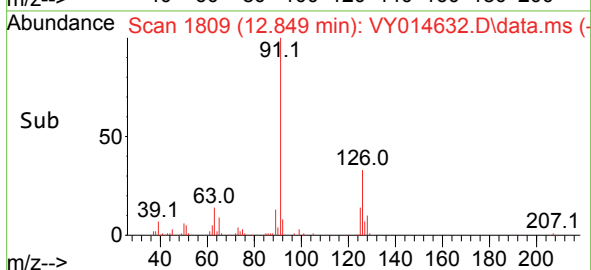
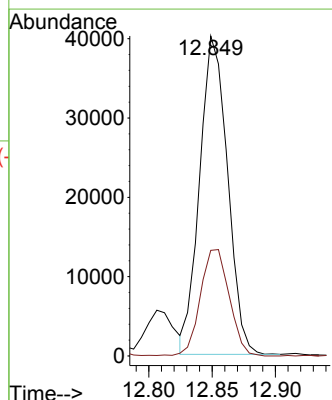
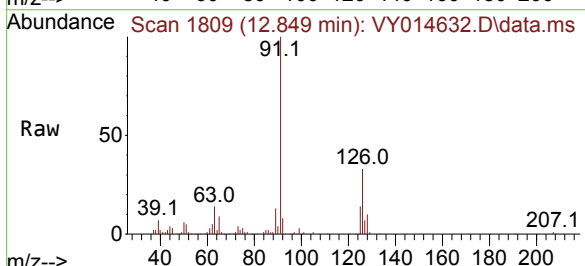
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023

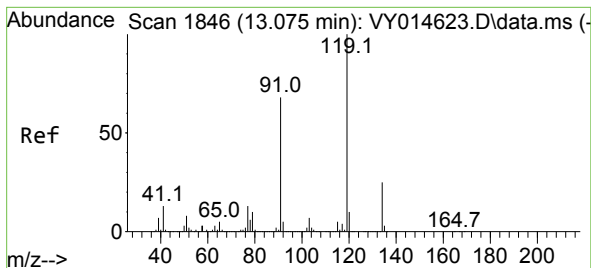
Tgt Ion:	75	Resp:	7153
Ion	Ratio	Lower	Upper
75	100		
53	87.4	77.8	116.8
89	46.9	37.4	56.0



#82
4-Chlorotoluene
Concen: 4.982 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

Tgt Ion:	91	Resp:	61595
Ion	Ratio	Lower	Upper
91	100		
126	34.7	17.2	51.6





#83

tert-Butylbenzene

Concen: 5.053 ug/l

RT: 13.068 min Scan# 1845

Delta R.T. -0.007 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

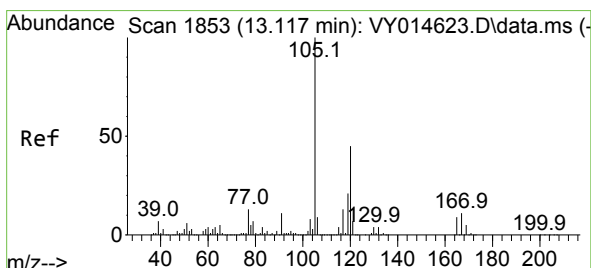
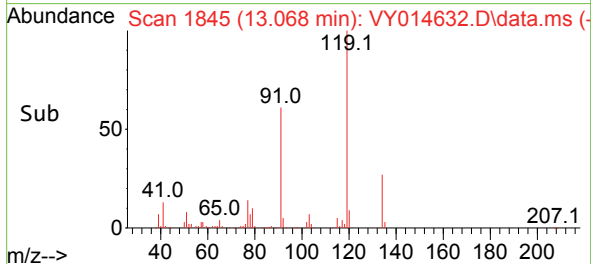
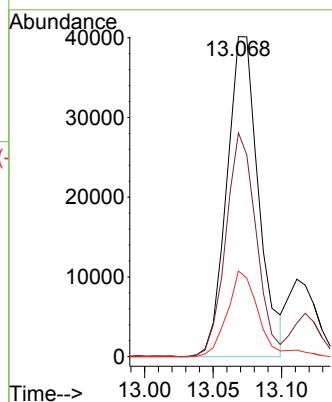
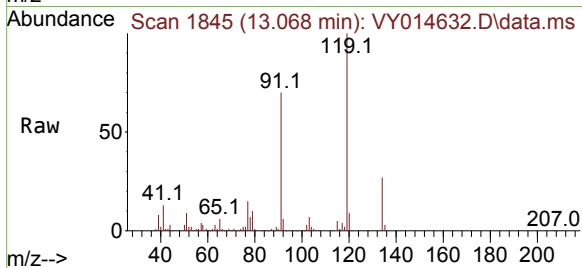
Tgt Ion:119 Resp: 64754

Ion Ratio Lower Upper

119 100

91 66.8 32.9 98.6

134 26.7 13.0 38.9



#84

1,2,4-Trimethylbenzene

Concen: 5.206 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY014632.D

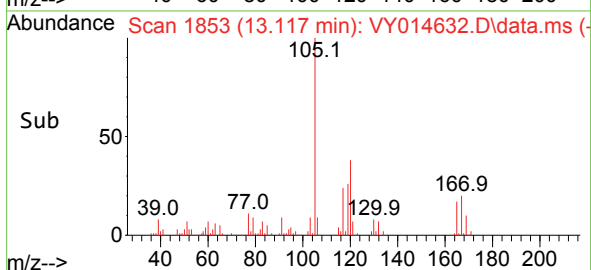
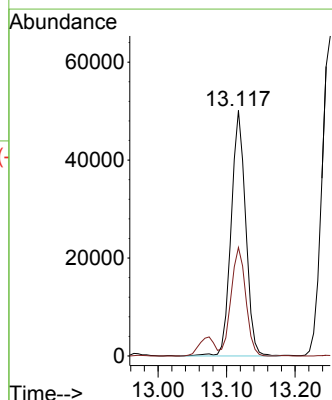
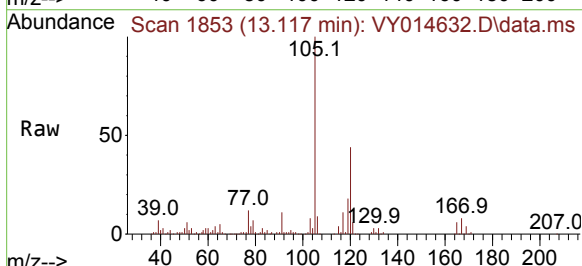
Acq: 13 Jul 2023 17:12

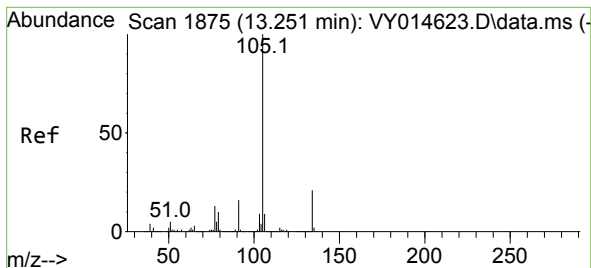
Tgt Ion:105 Resp: 73802

Ion Ratio Lower Upper

105 100

120 44.9 22.2 66.6





#85

sec-Butylbenzene

Concen: 5.121 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

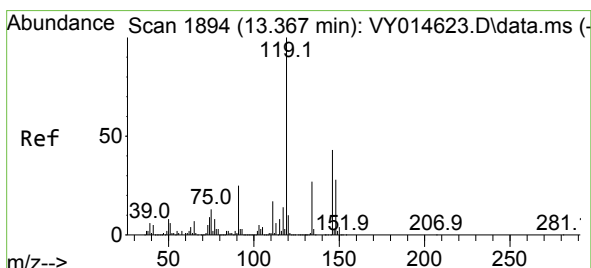
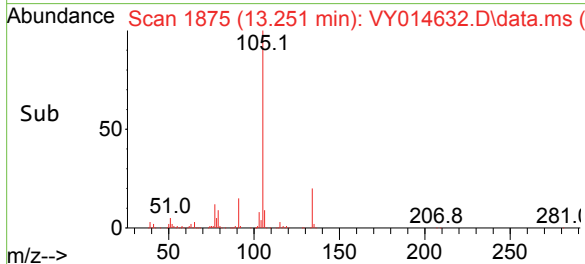
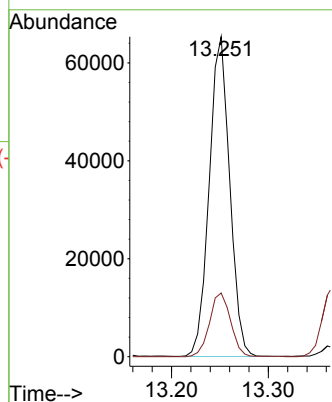
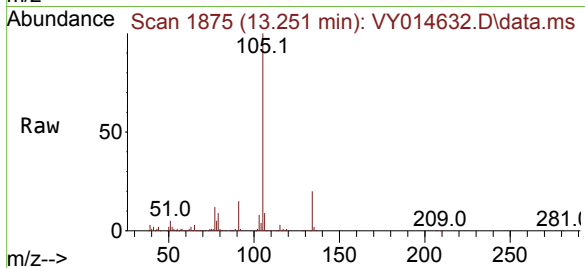
LOQ-SOIL-02-QT3-2023

Tgt Ion:105 Resp: 96254

Ion Ratio Lower Upper

105 100

134 20.5 10.2 30.6



#86

p-Isopropyltoluene

Concen: 5.171 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

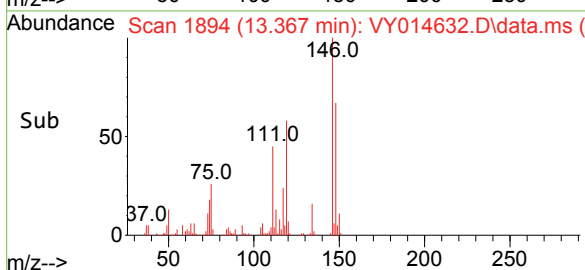
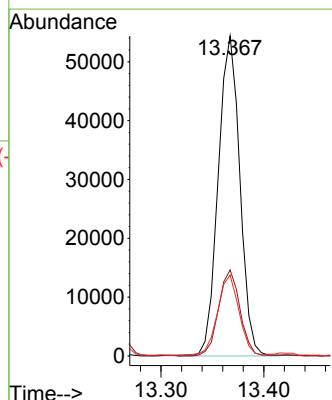
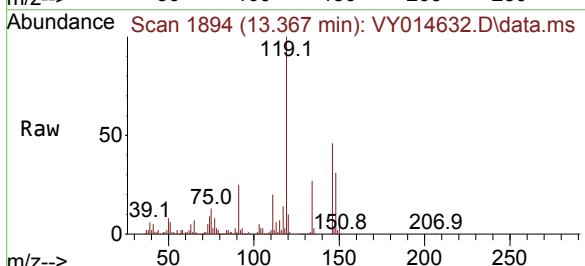
Tgt Ion:119 Resp: 79365

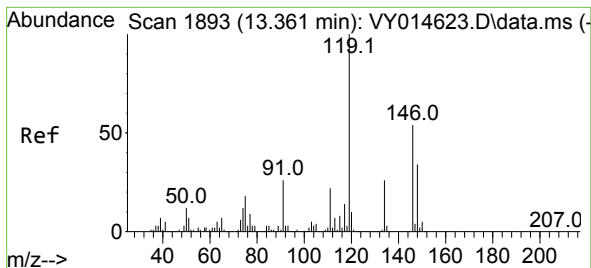
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 24.7 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 5.233 ug/l

RT: 13.361 min Scan# 1189

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

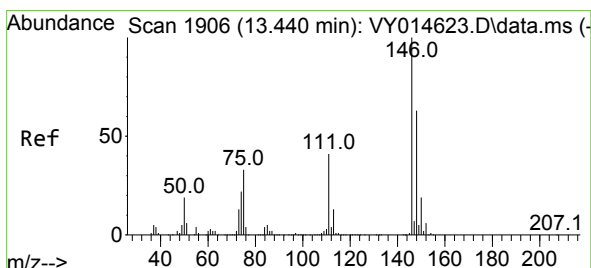
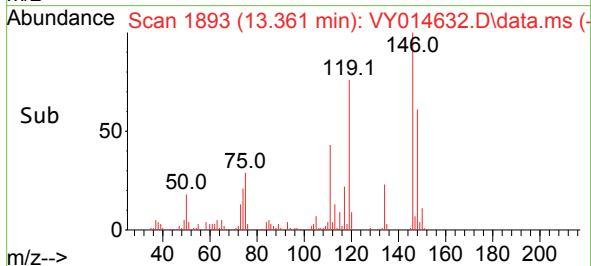
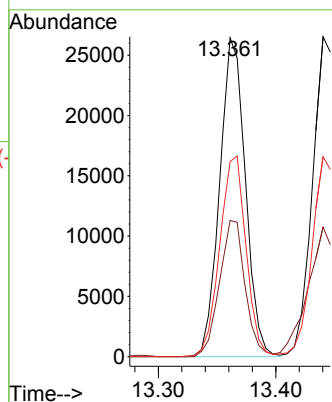
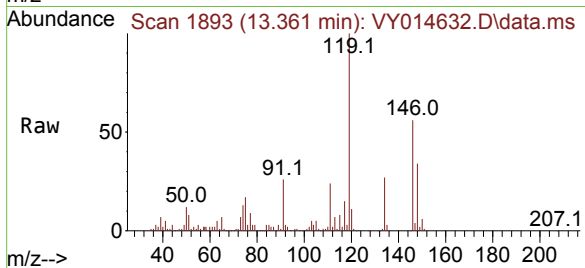
Tgt Ion:146 Resp: 40213

Ion Ratio Lower Upper

146 100

111 42.6 19.4 58.2

148 64.4 31.9 95.5



#88

1,4-Dichlorobenzene

Concen: 5.358 ug/l

RT: 13.440 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

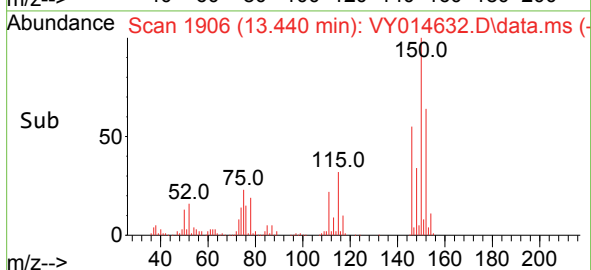
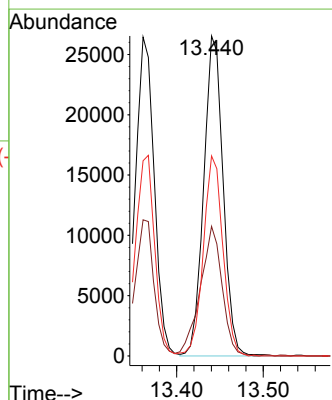
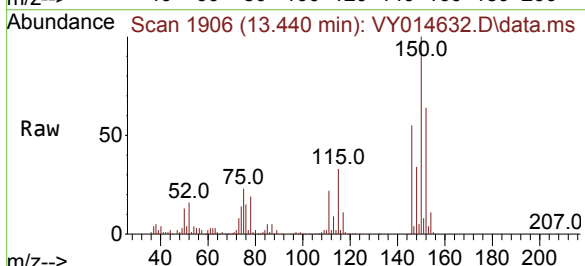
Tgt Ion:146 Resp: 41260

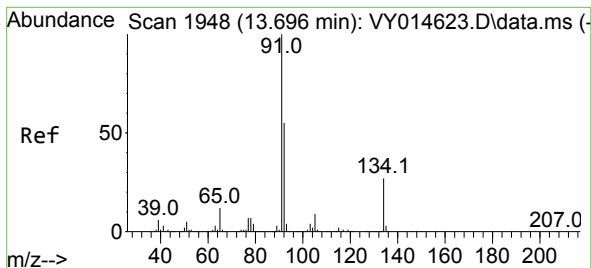
Ion Ratio Lower Upper

146 100

111 45.7 18.9 56.7

148 63.3 32.1 96.5





#89

n-Butylbenzene

Concen: 5.064 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

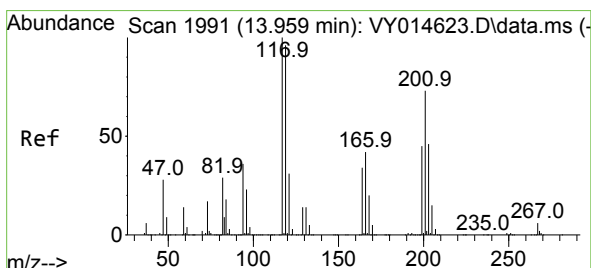
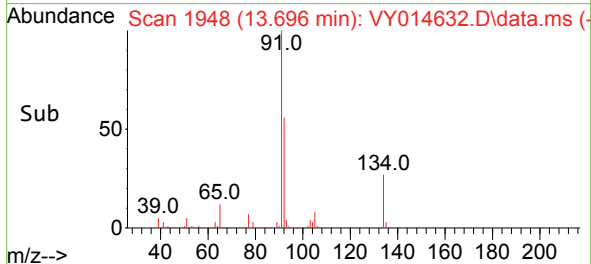
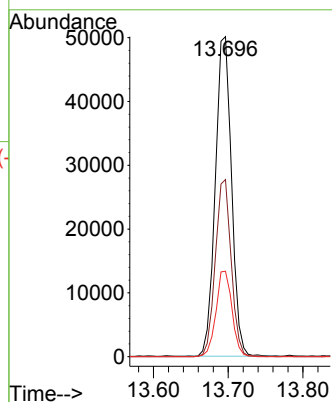
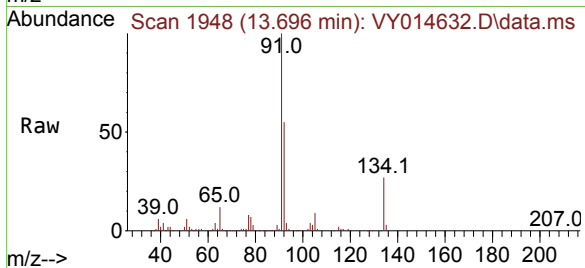
Tgt Ion: 91 Resp: 75619

Ion Ratio Lower Upper

91 100

92 54.2 25.4 76.0

134 26.4 12.6 37.6



#90

Hexachloroethane

Concen: 4.955 ug/l

RT: 13.958 min Scan# 1991

Delta R.T. -0.001 min

Lab File: VY014632.D

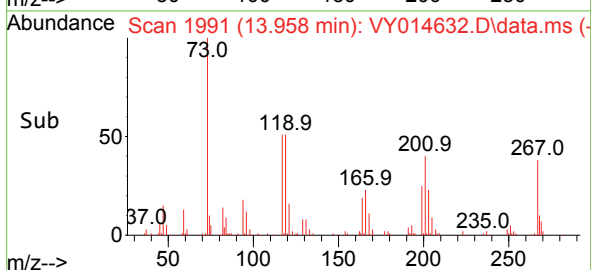
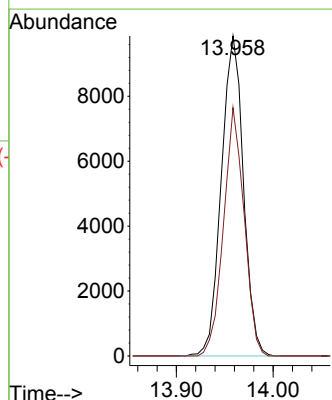
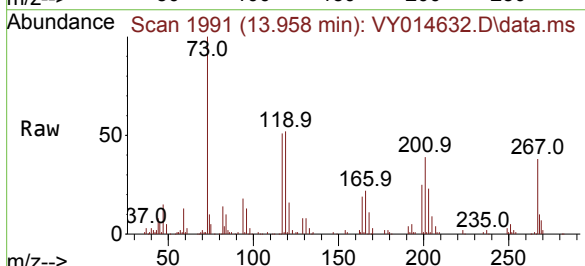
Acq: 13 Jul 2023 17:12

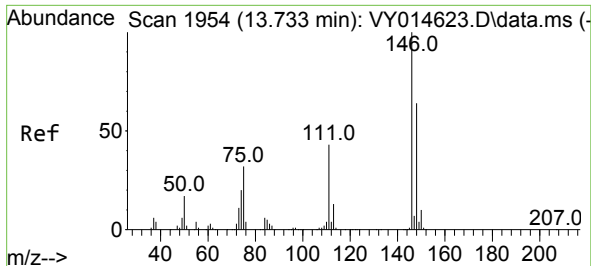
Tgt Ion: 117 Resp: 15619

Ion Ratio Lower Upper

117 100

201 72.5 41.6 124.8





#91

1,2-Dichlorobenzene

Concen: 5.272 ug/l

RT: 13.739 min Scan# 1954

Delta R.T. 0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

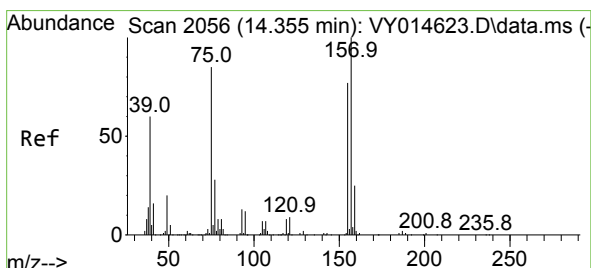
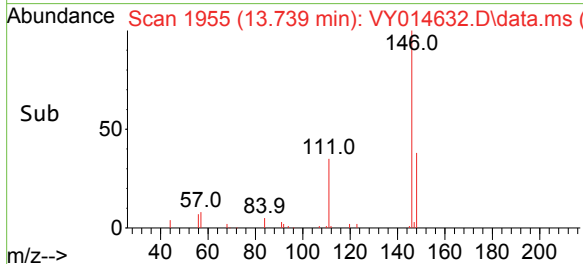
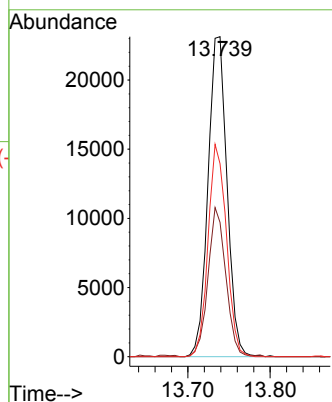
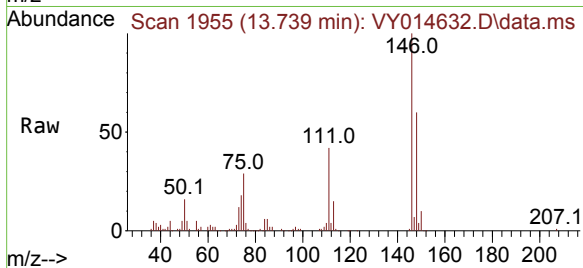
Tgt Ion:146 Resp: 37119

Ion Ratio Lower Upper

146 100

111 43.9 19.7 59.0

148 63.9 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.263 ug/l

RT: 14.349 min Scan# 2055

Delta R.T. -0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

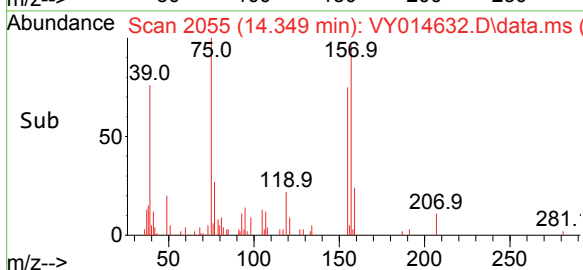
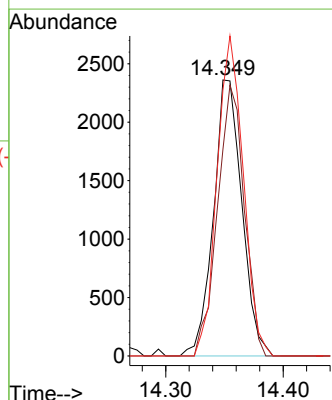
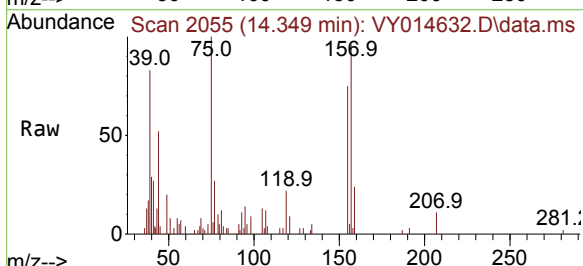
Tgt Ion: 75 Resp: 3970

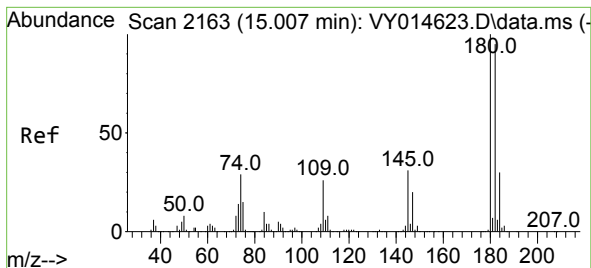
Ion Ratio Lower Upper

75 100

155 92.8 41.5 124.6

157 107.2 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 5.319 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

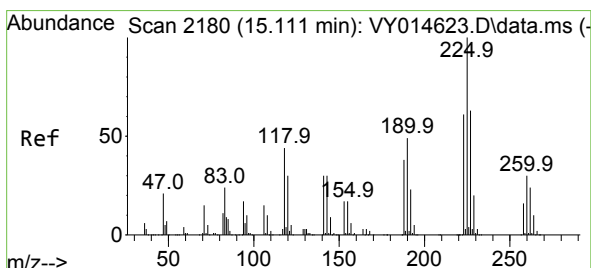
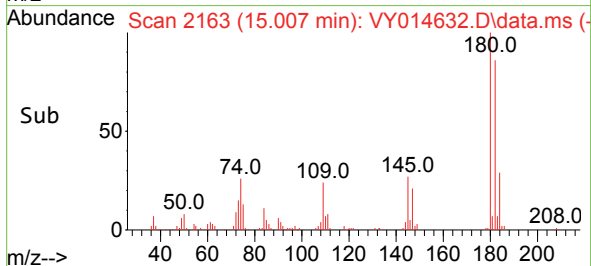
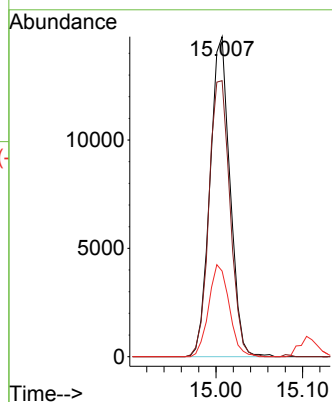
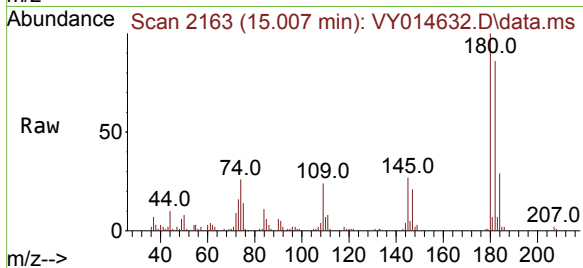
Tgt Ion:180 Resp: 23771

Ion Ratio Lower Upper

180 100

182 90.7 47.0 141.2

145 29.5 14.5 43.5



#94

Hexachlorobutadiene

Concen: 5.216 ug/l

RT: 15.111 min Scan# 2180

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

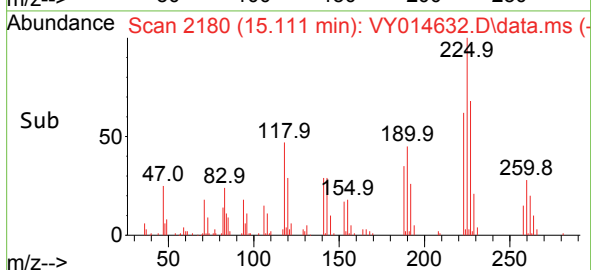
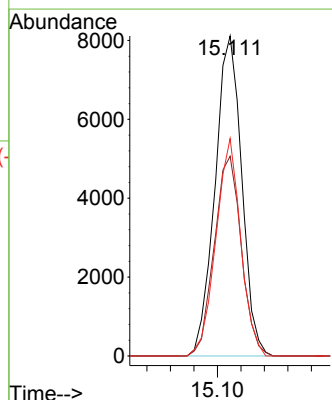
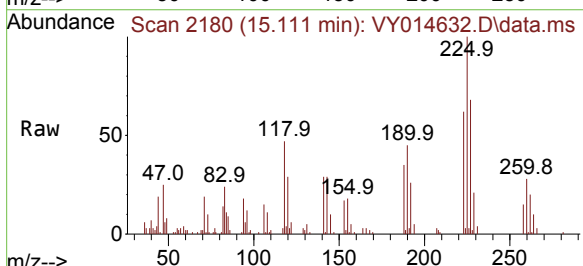
Tgt Ion:225 Resp: 12811

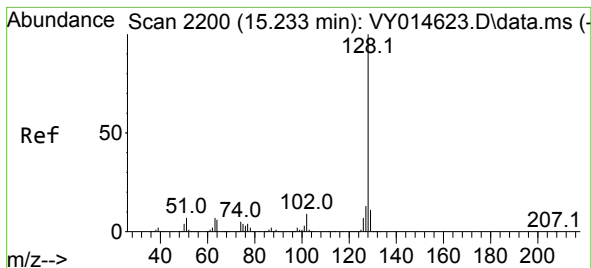
Ion Ratio Lower Upper

225 100

223 63.2 31.9 95.9

227 63.1 33.0 98.9





#95

Naphthalene

Concen: 5.331 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Instrument :

MSVOA_Y

ClientSampleId :

LOQ-SOIL-02-QT3-2023

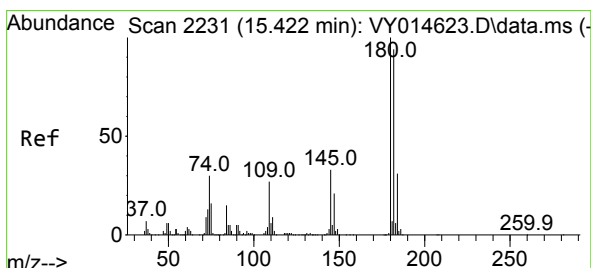
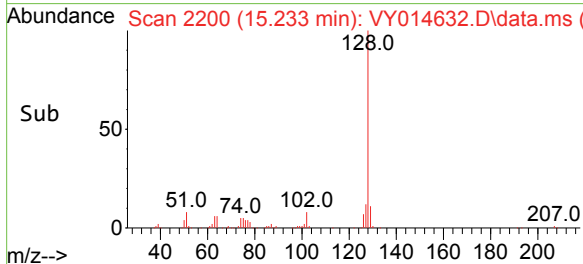
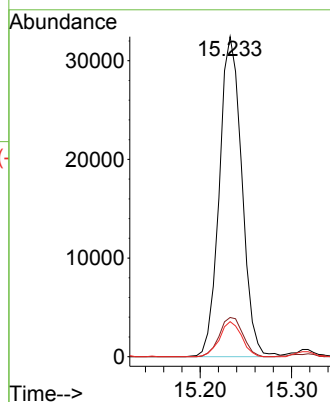
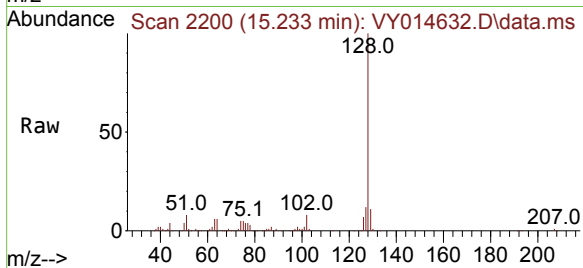
Tgt Ion:128 Resp: 55506

Ion Ratio Lower Upper

128 100

127 12.9 10.8 16.2

129 10.8 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 5.324 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Tgt Ion:180 Resp: 21148

Ion Ratio Lower Upper

180 100

182 94.7 47.3 141.8

145 34.5 15.4 46.2

