

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 07:23:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 07:22:06 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

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	5.067	ug/l	97
11) Tert butyl alcohol	4.930	59	39753	52.496	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	8.857	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 07:23:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 07:22:06 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :John Carlone 07/14/2023
 Supervised By :Mahesh Dadoda 07/14/2023

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	14215m	5.095	ug/l	
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

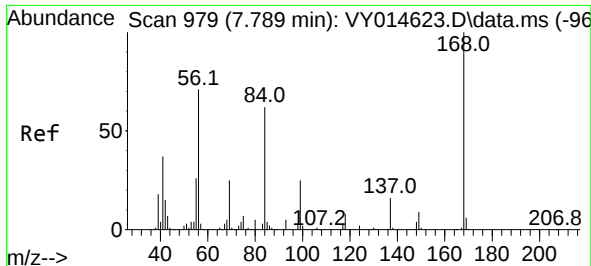
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

Quant Time: Jul 14 07:23:20 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
Quant Title : SW846 8260
QLast Update : Fri Jul 14 07:22:06 2023
Response via : Initial Calibration

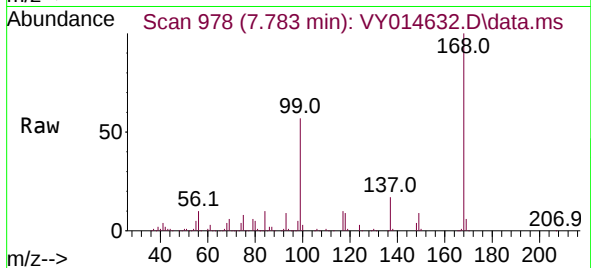
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = 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

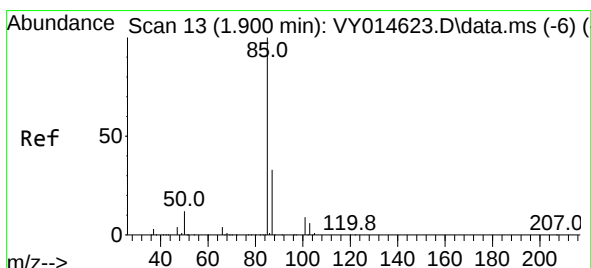
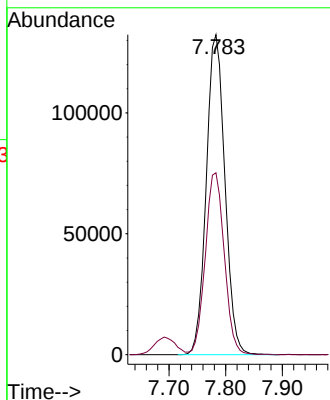
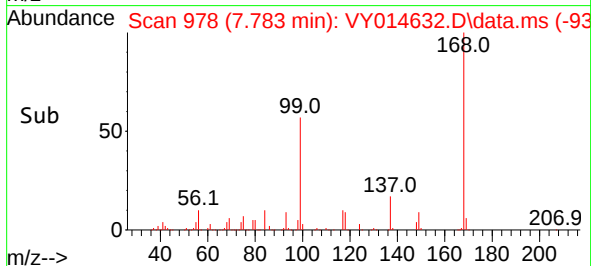
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:168 Resp: 30190
Ion Ratio Lower Upper
168 100
99 56.9 43.4 65.0

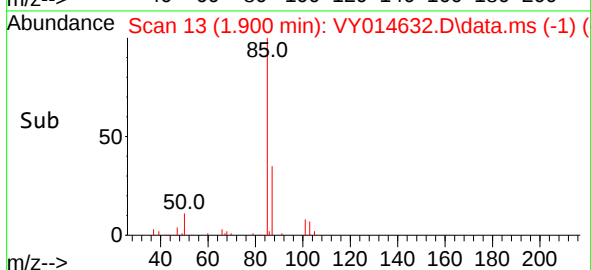
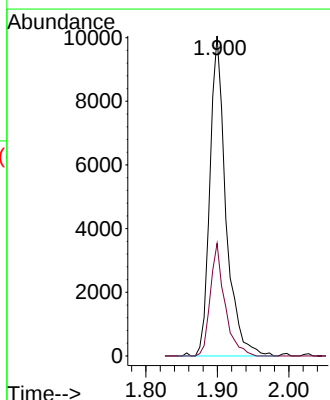
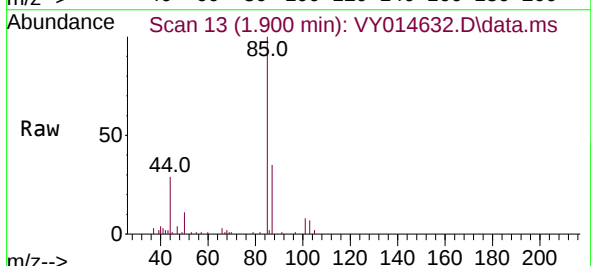
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

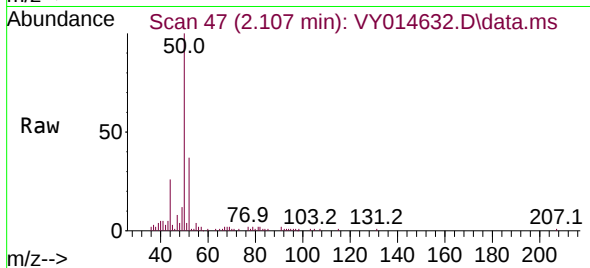
Tgt Ion: 85 Resp: 15663
Ion Ratio Lower Upper
85 100
87 35.2 15.6 46.8





#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

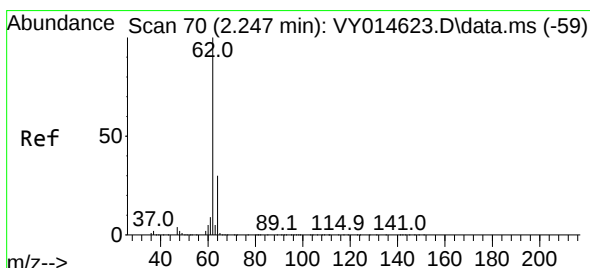
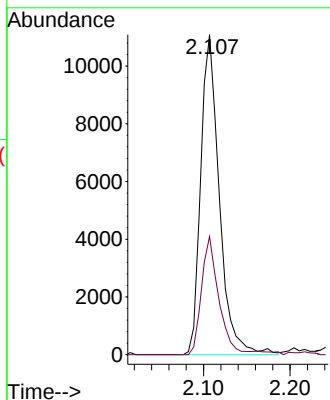
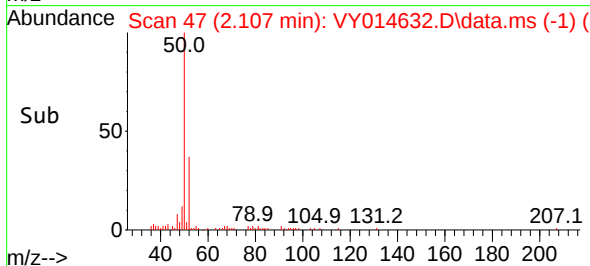
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 50 Resp: 1654
Ion Ratio Lower Upper
50 100
52 36.9 25.4 38.2

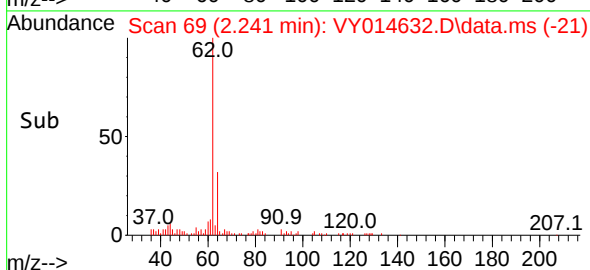
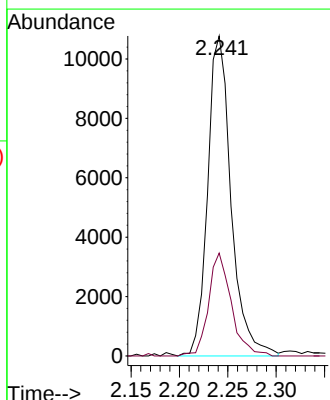
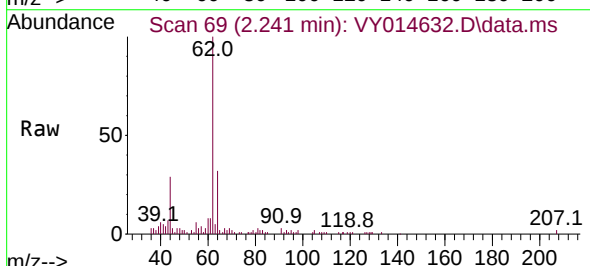
Manual Integrations
APPROVED

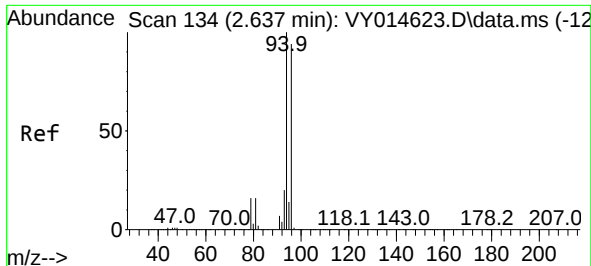
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

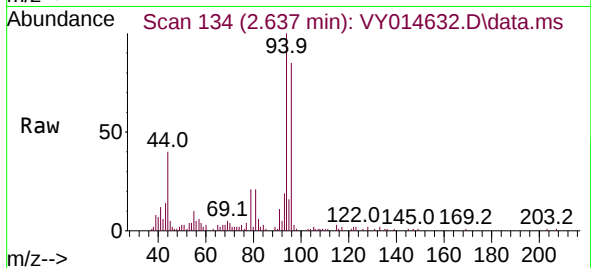
Tgt Ion: 62 Resp: 18177
Ion Ratio Lower Upper
62 100
64 32.1 24.3 36.5





#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

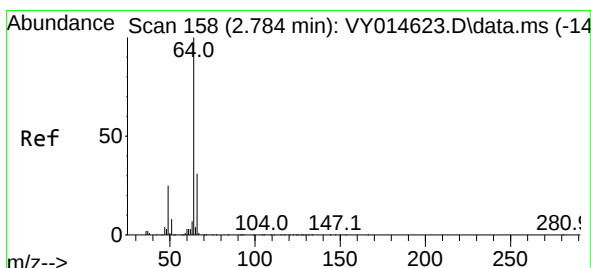
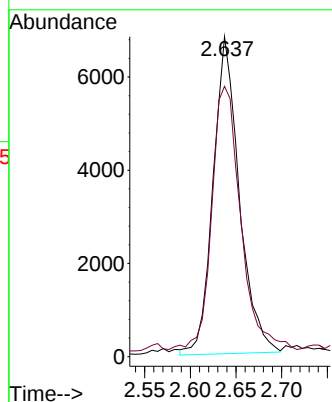
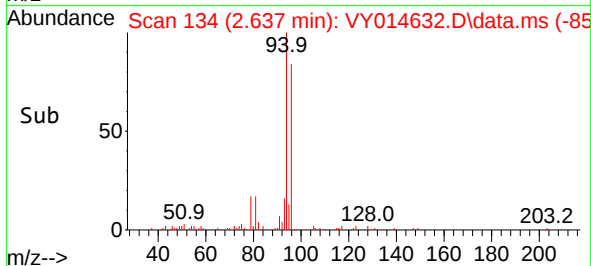
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



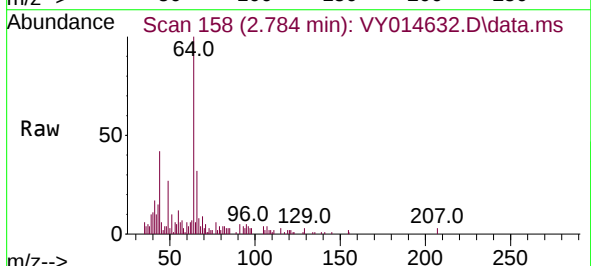
Tgt Ion: 94 Resp: 1356
Ion Ratio Lower Upper
94 100
96 82.4 75.8 113.6

Manual Integrations
APPROVED

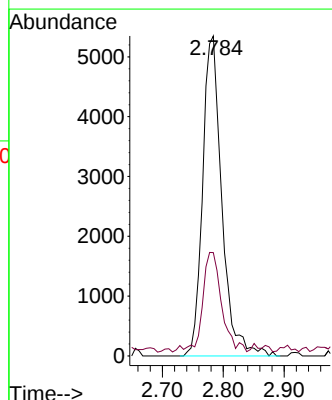
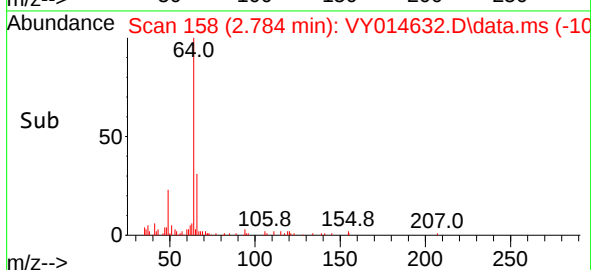
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

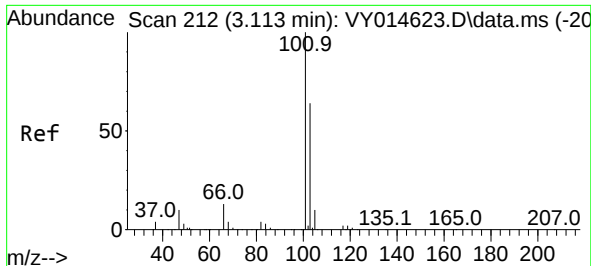


#6
Chloroethane
Concen: 6.070 ug/l
RT: 2.784 min Scan# 158
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12



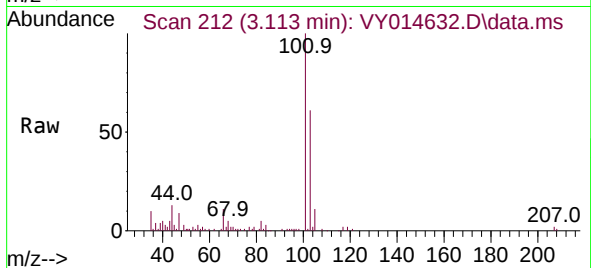
Tgt Ion: 64 Resp: 11717
Ion Ratio Lower Upper
64 100
66 29.6 24.4 36.6





#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

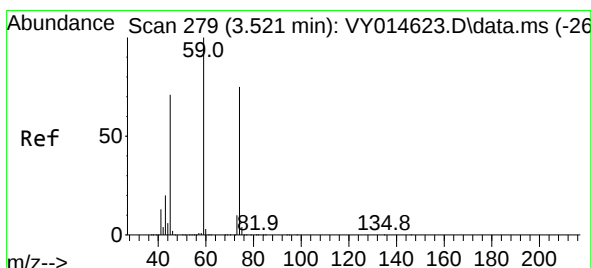
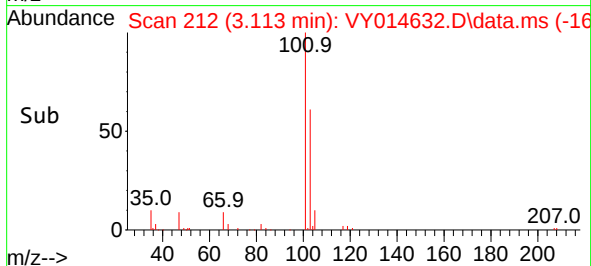
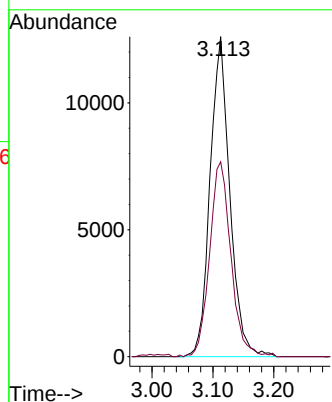
Instrument : MSVOA_Y
 ClientSampleId : LOQ-SOIL-02-QT3-2023



Tgt Ion: 101 Resp: 2835
 Ion Ratio Lower Upper
 101 100
 103 60.9 51.4 77.0

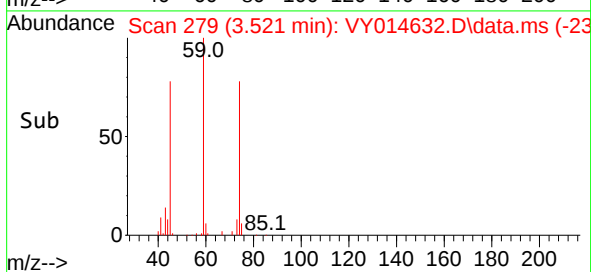
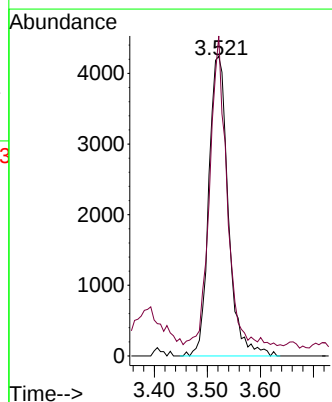
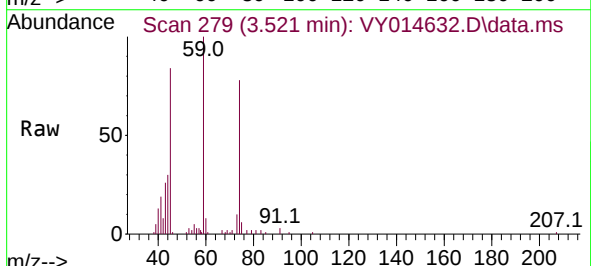
Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023



#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





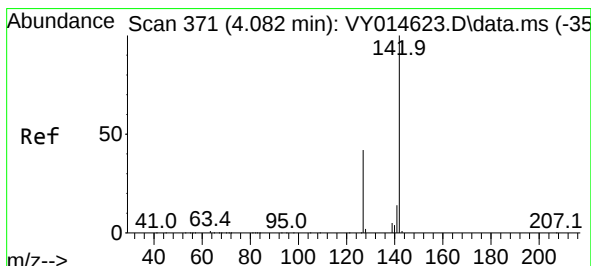
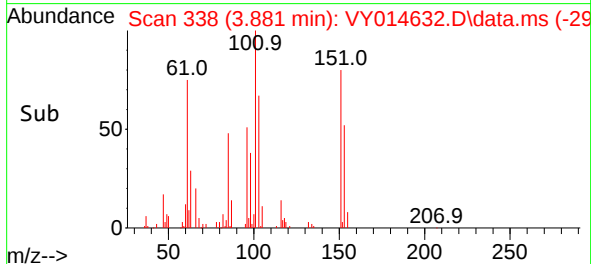
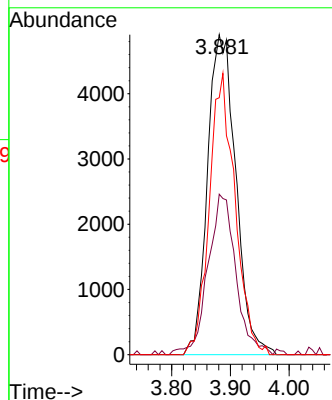
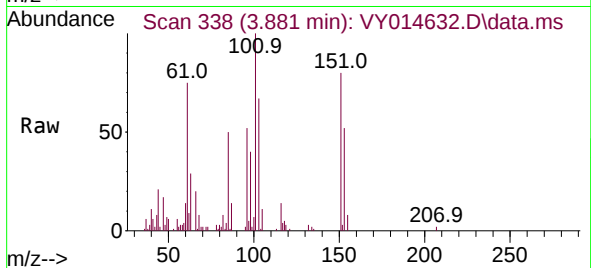
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.166 ug/l
RT: 3.881 min Scan# 311
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

Tgt Ion:101 Resp: 1643
Ion Ratio Lower Upper
101 100
85 49.5 36.6 55.0
151 79.9 67.0 100.6

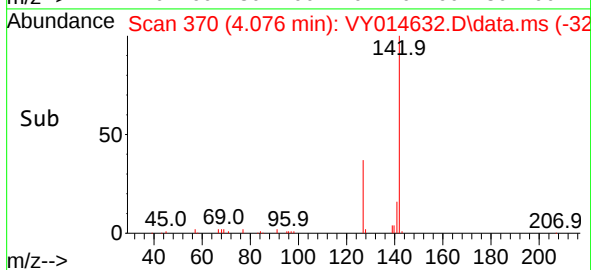
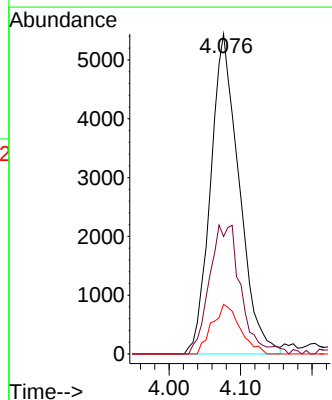
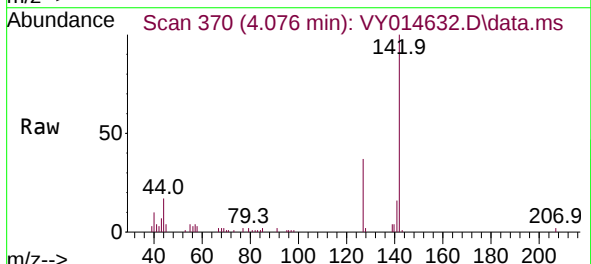
Manual Integrations
APPROVED

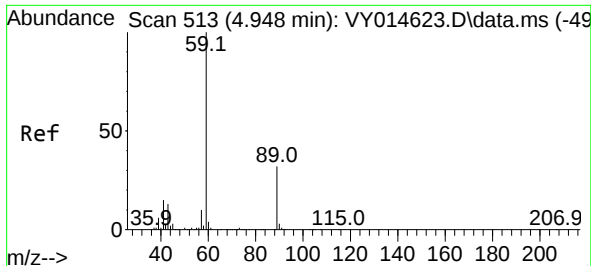
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#10
Methyl Iodide
Concen: 5.067 ug/l
RT: 4.076 min Scan# 370
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

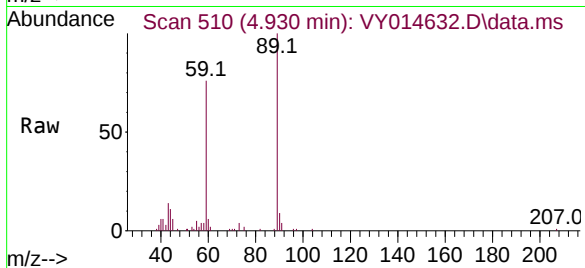
Tgt Ion:142 Resp: 15084
Ion Ratio Lower Upper
142 100
127 44.4 37.6 56.4
141 15.2 11.8 17.8





#11
Tert butyl alcohol
Concen: 52.496 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

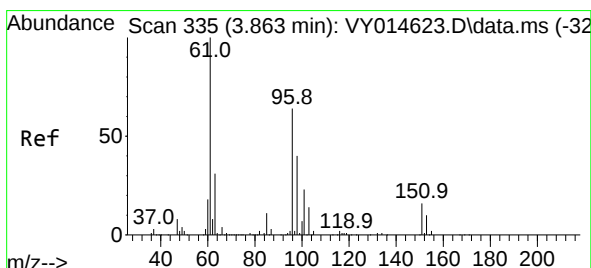
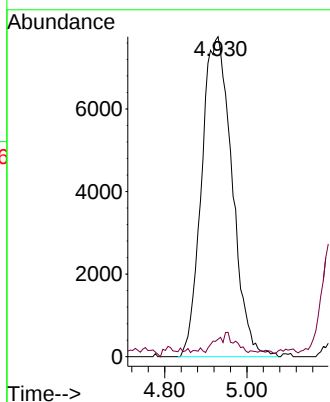
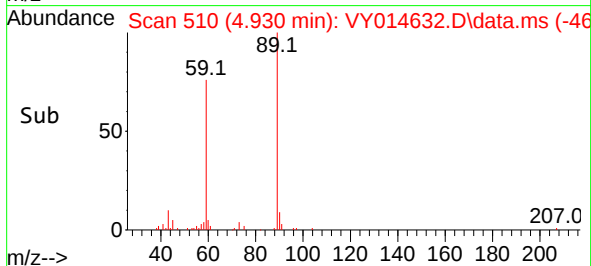
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



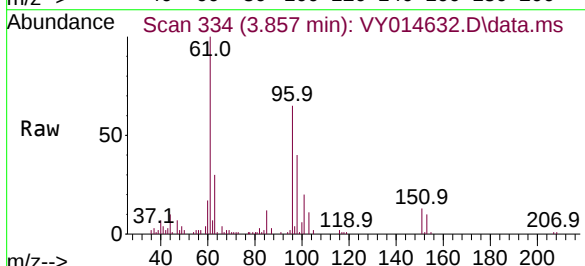
Tgt Ion: 59 Resp: 3975
Ion Ratio Lower Upper
59 100
57 0.0 3.0 4.4

Manual Integrations
APPROVED

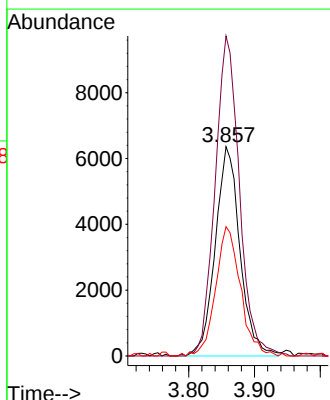
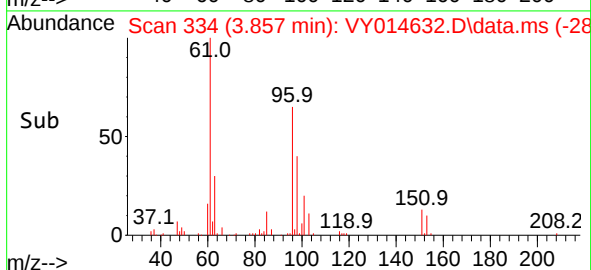
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

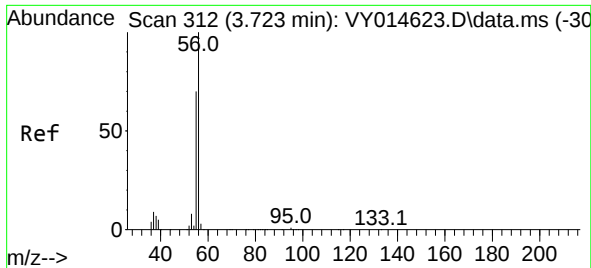


#12
1,1-Dichloroethene
Concen: 5.594 ug/l
RT: 3.857 min Scan# 334
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12



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: 1320

Ion Ratio Lower Upper

56 100

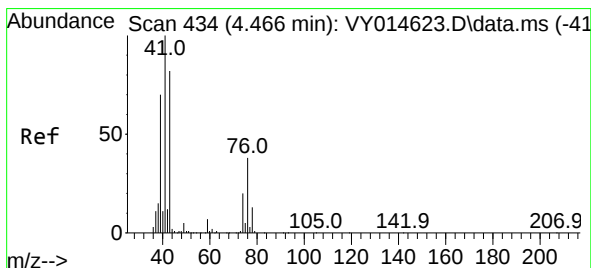
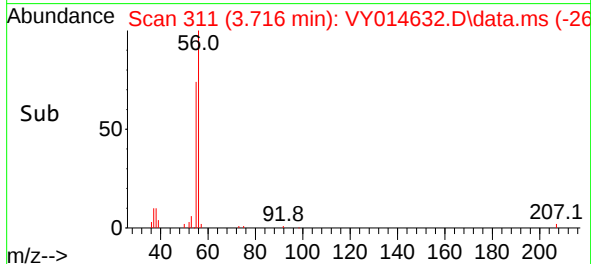
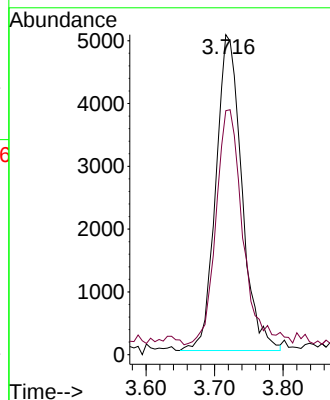
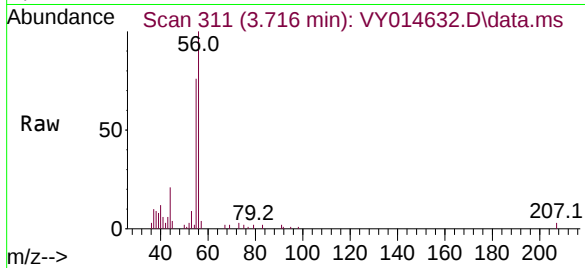
55 77.3 57.0 85.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#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

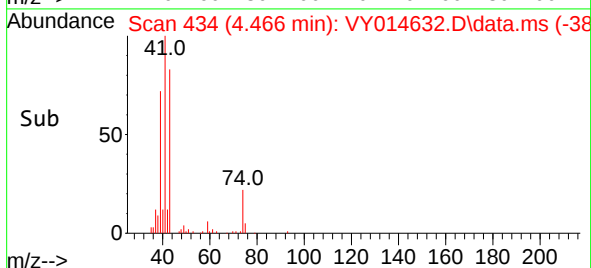
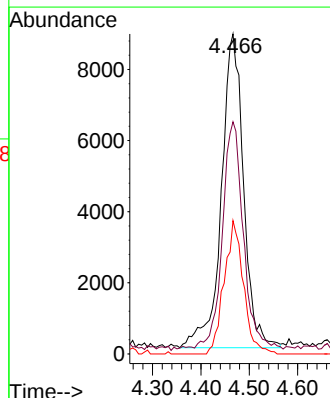
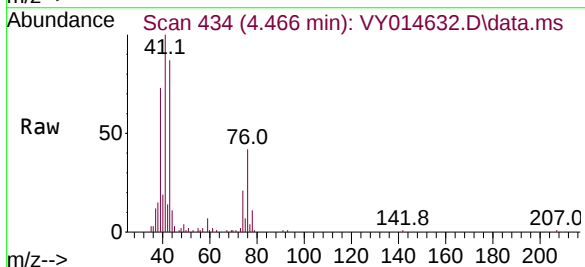
Tgt Ion: 41 Resp: 28180

Ion Ratio Lower Upper

41 100

39 68.7 58.0 87.0

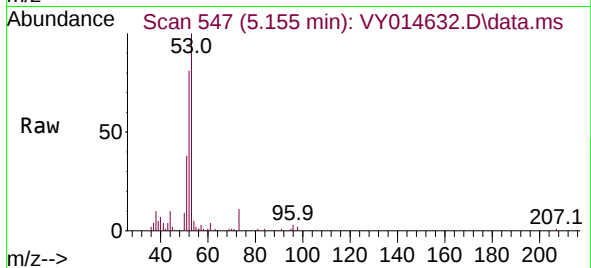
76 36.9 27.4 41.2





#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

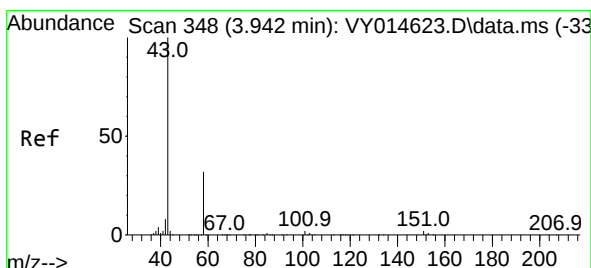
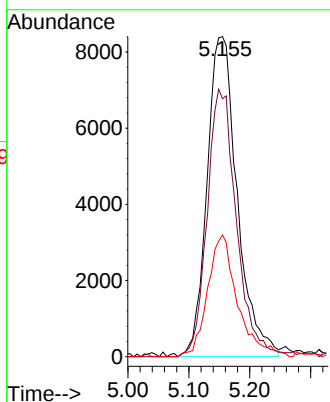
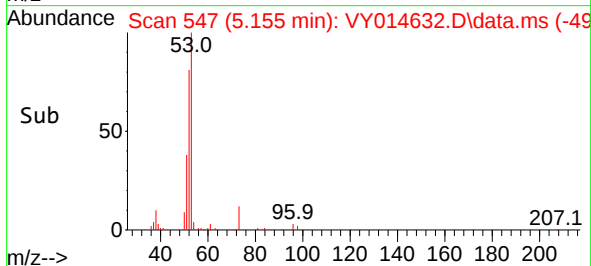
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



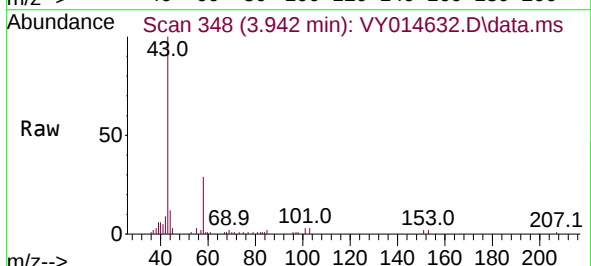
Tgt Ion: 53 Resp: 2898
Ion Ratio Lower Upper
53 100
52 81.0 66.9 100.3
51 37.5 29.8 44.6

Manual Integrations
APPROVED

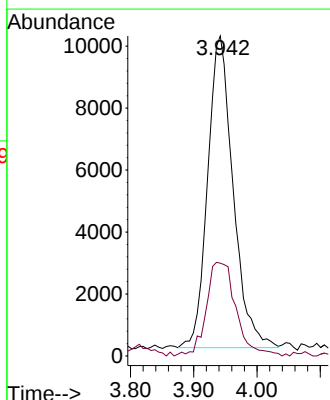
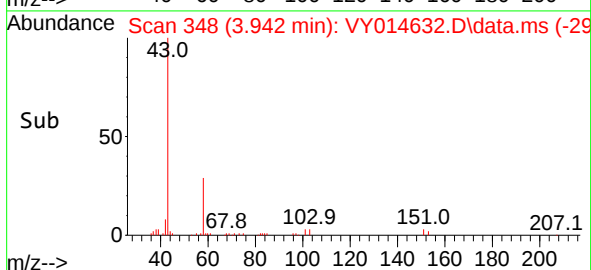
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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



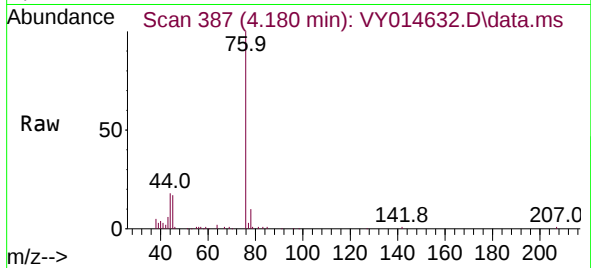
Tgt Ion: 43 Resp: 28114
Ion Ratio Lower Upper
43 100
58 29.2 22.7 34.1





#17
Carbon Disulfide
Concen: 5.561 ug/l
RT: 4.180 min Scan# 388
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

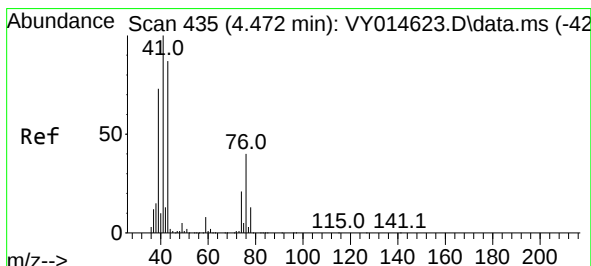
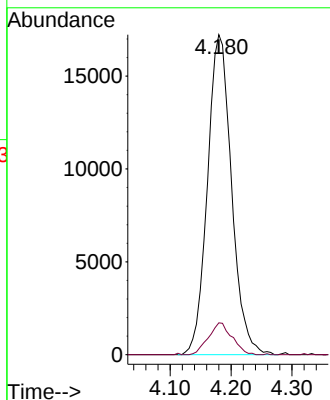
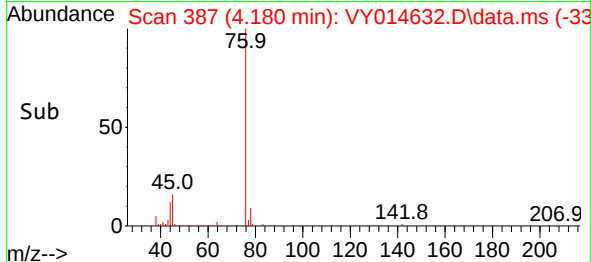
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



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

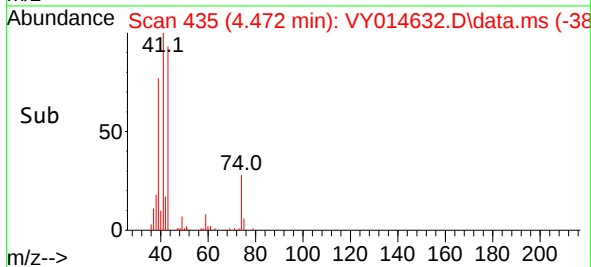
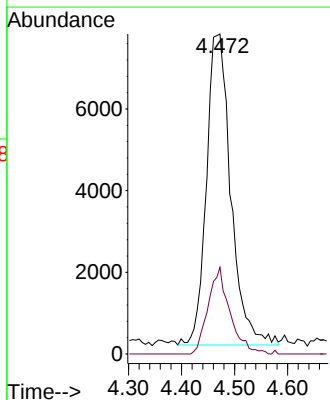
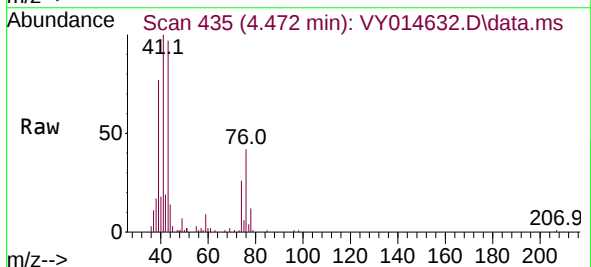
Manual Integrations
APPROVED

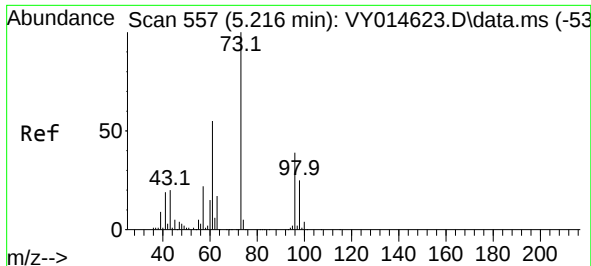
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

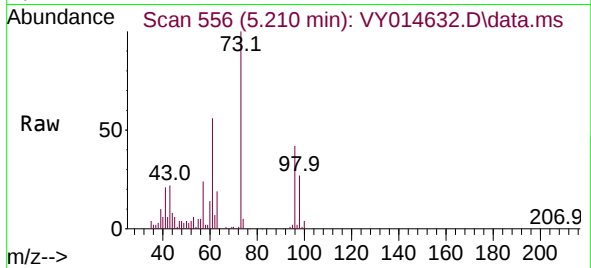
Tgt Ion: 43 Resp: 24360
Ion Ratio Lower Upper
43 100
74 24.9 17.4 26.0





#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

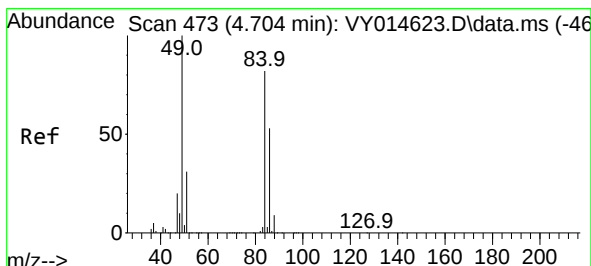
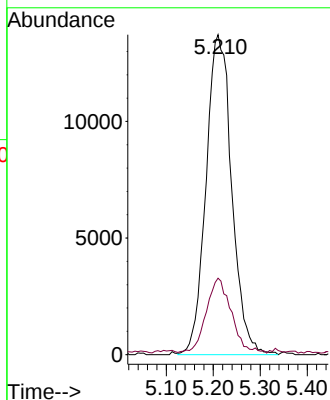
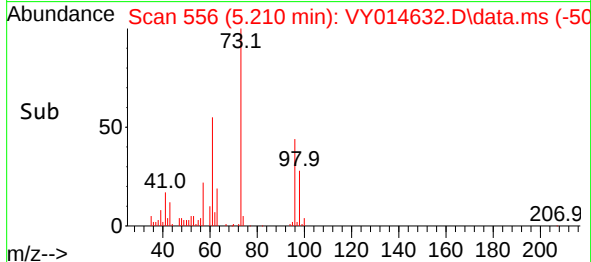
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 73 Resp: 5222
Ion Ratio Lower Upper
73 100
57 23.2 17.3 25.9

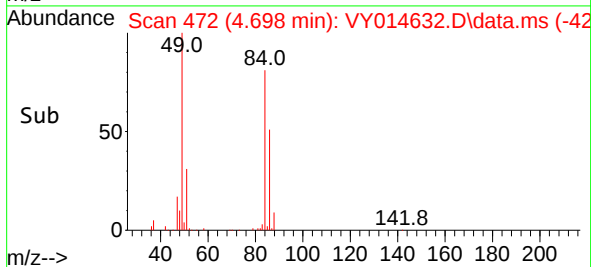
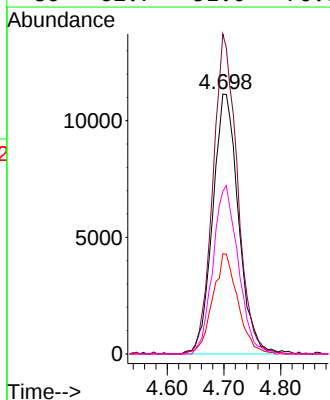
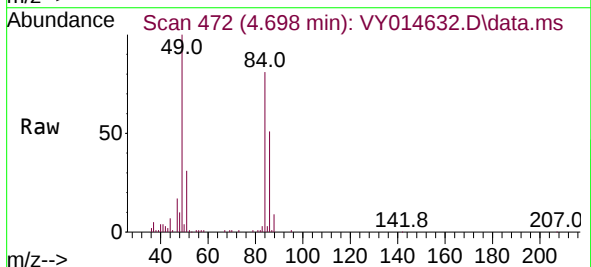
Manual Integrations
APPROVED

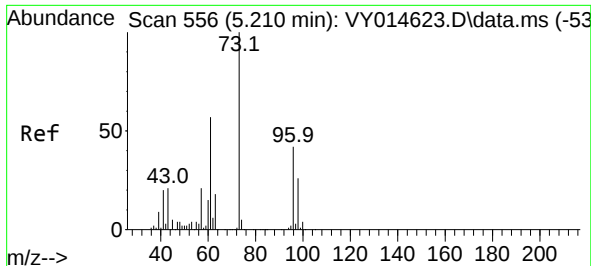
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#20
Methylene Chloride
Concen: 8.857 ug/l
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

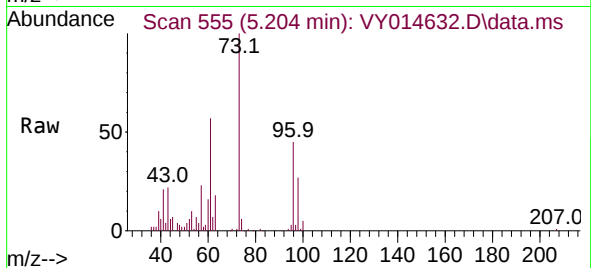
Tgt Ion: 84 Resp: 35108
Ion Ratio Lower Upper
84 100
49 123.2 106.9 160.3
51 38.5 33.2 49.8
86 62.7 51.0 76.6





#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

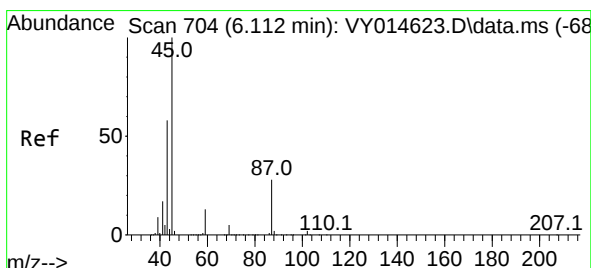
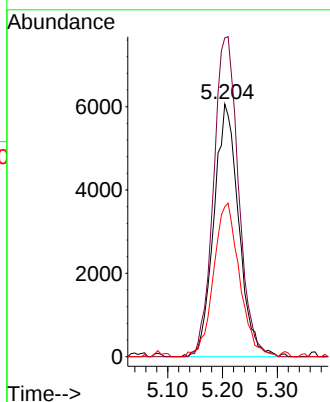
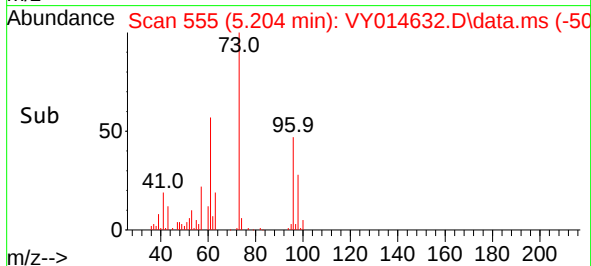
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2023



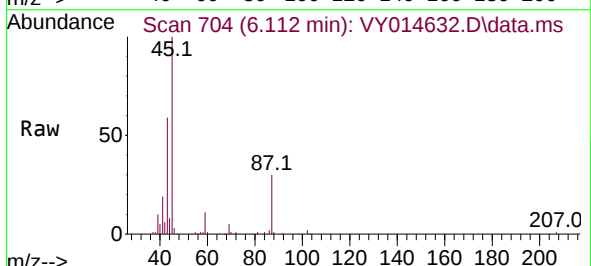
Tgt Ion: 96 Resp: 1908
Ion Ratio Lower Upper
96 100
61 126.2 110.2 165.4
98 59.4 51.8 77.6

Manual Integrations
APPROVED

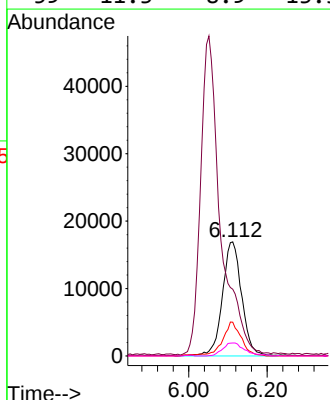
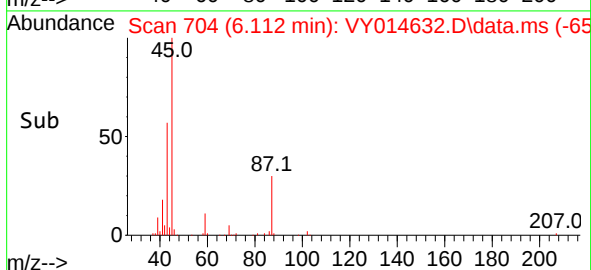
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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



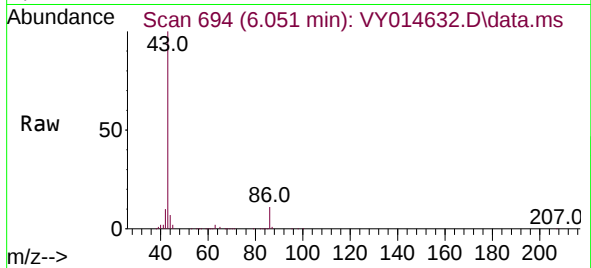
Tgt Ion: 45 Resp: 57976
Ion Ratio Lower Upper
45 100
43 57.0 52.2 78.4
87 29.7 21.0 31.6
59 11.3 8.9 13.3





#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

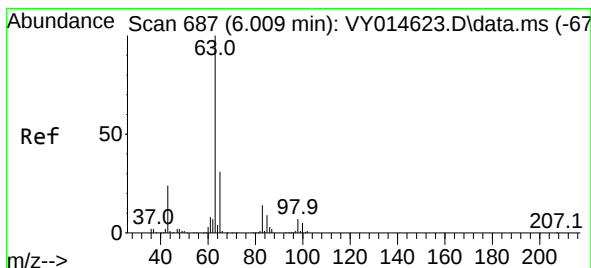
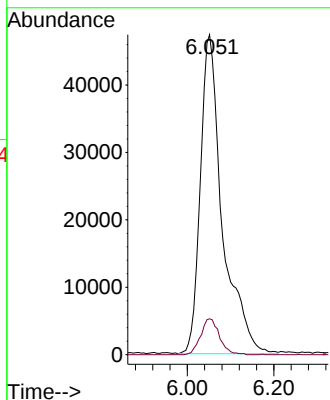
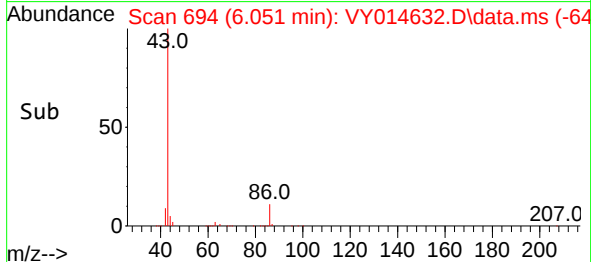
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023



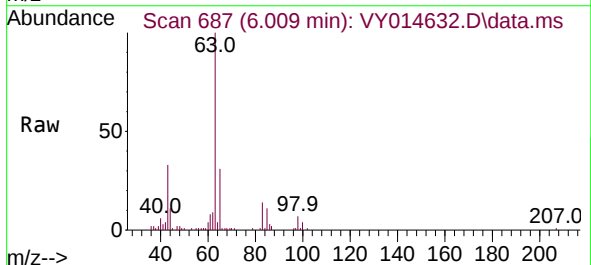
Tgt Ion: 43 Resp: 16714
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.5 11.3

Manual Integrations
 APPROVED

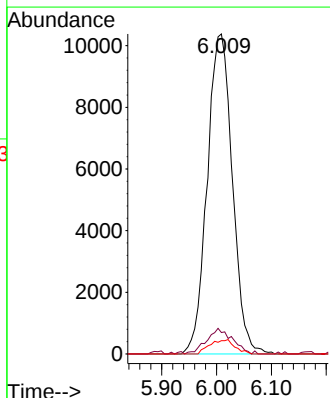
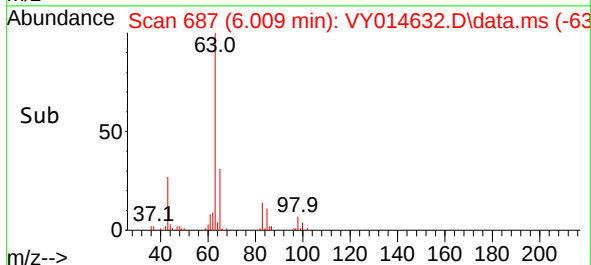
Reviewed By :John Carlone 07/14/2023
 Supervised By :Mahesh Dadoda 07/14/2023



#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





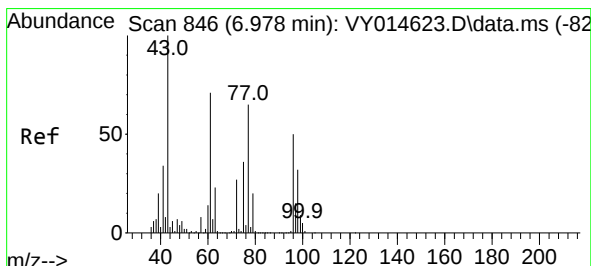
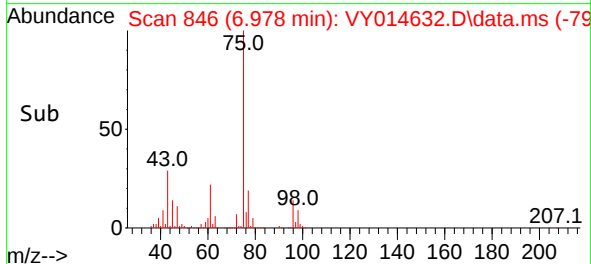
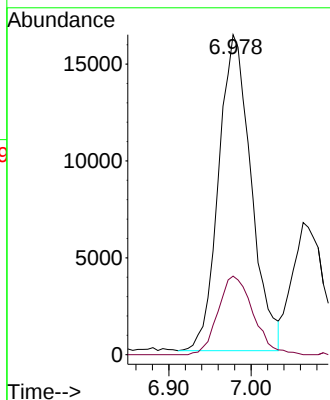
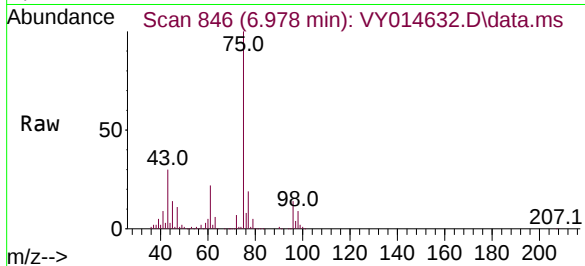
#25
2-Butanone
Concen: 28.188 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

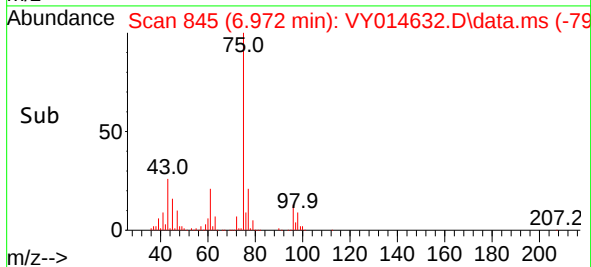
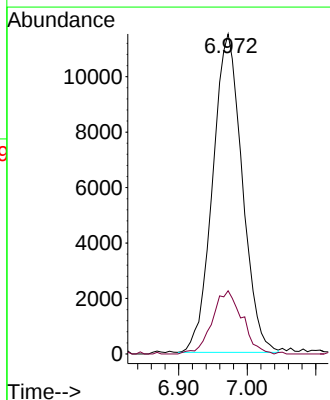
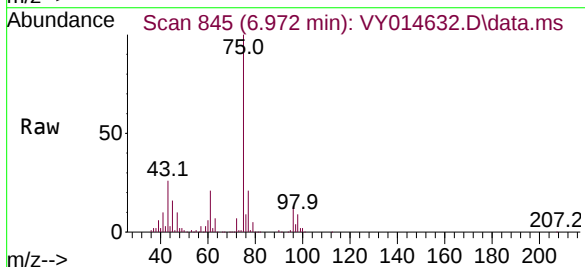
Manual Integrations
APPROVED

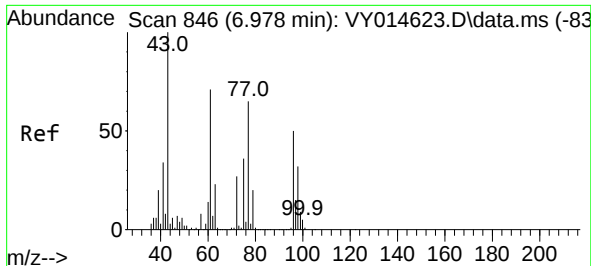
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

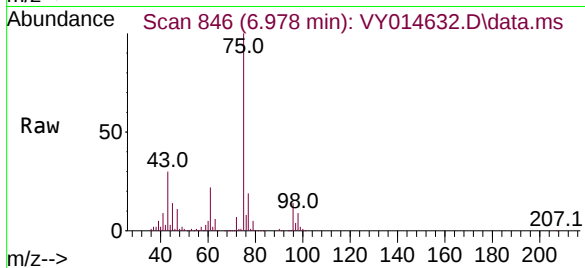
Tgt Ion: 77 Resp: 34367
Ion Ratio Lower Upper
77 100
97 20.2 10.9 32.9





#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

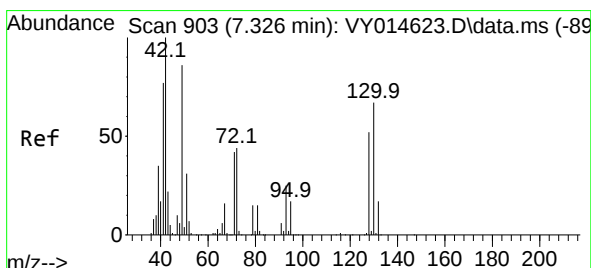
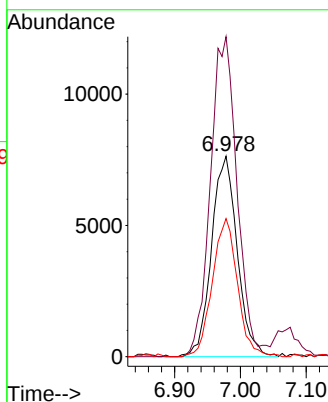
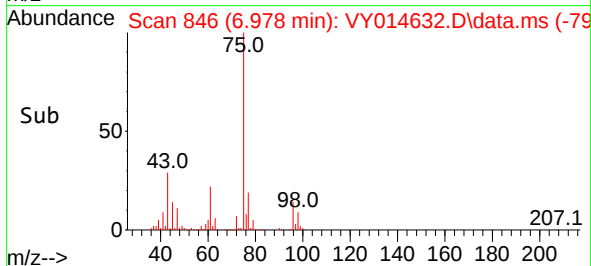
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 96 Resp: 2082
Ion Ratio Lower Upper
96 100
61 164.5 0.0 301.4
98 67.1 0.0 130.4

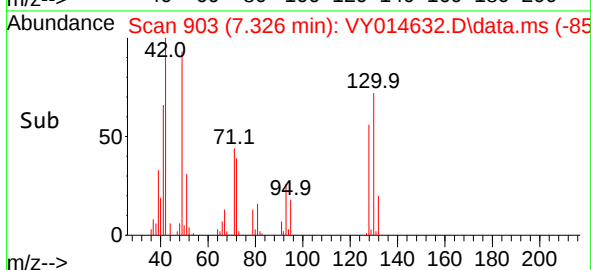
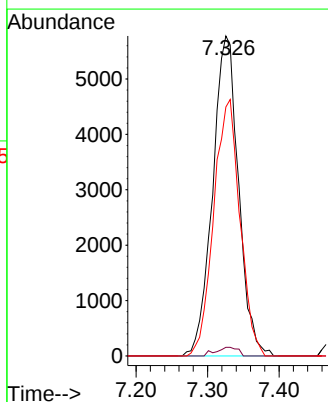
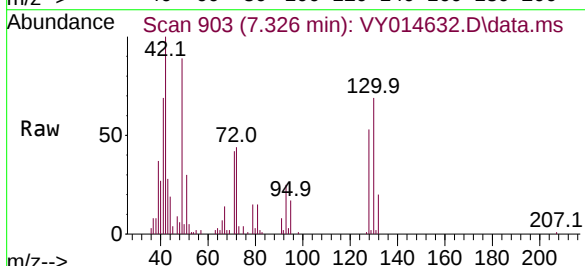
Manual Integrations
APPROVED

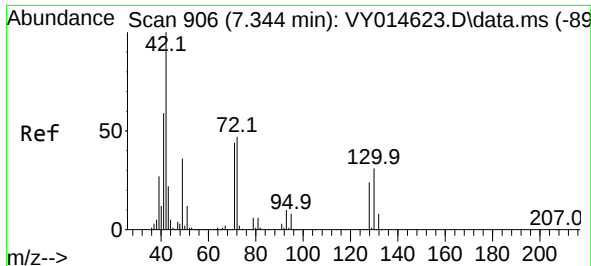
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

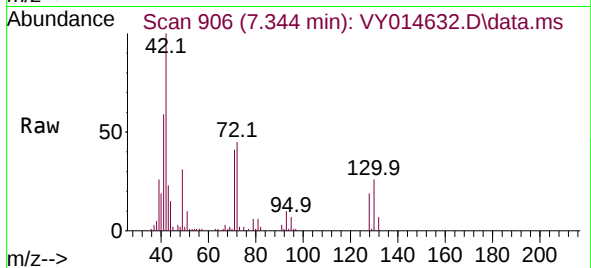
Tgt Ion: 49 Resp: 14527
Ion Ratio Lower Upper
49 100
129 2.3 0.0 4.6
130 81.0 60.7 91.1





#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

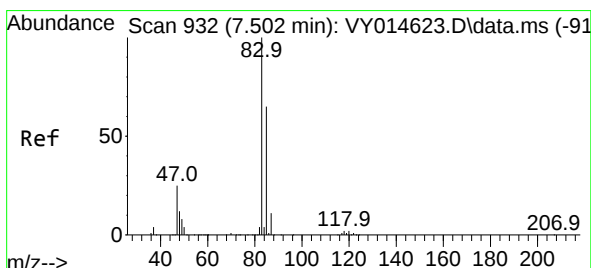
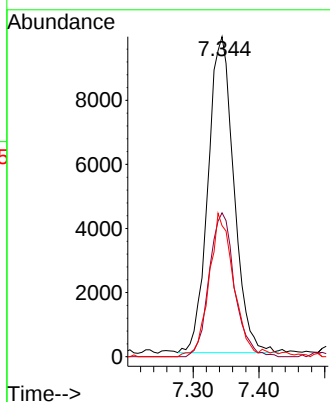
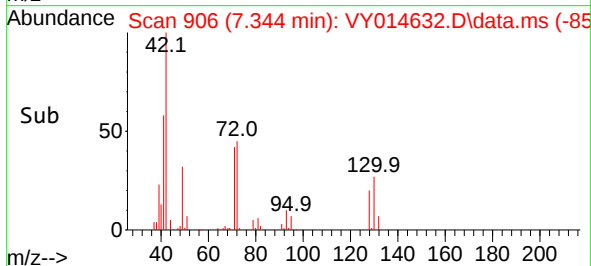
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 42 Resp: 2702
Ion Ratio Lower Upper
42 100
72 44.5 32.8 49.2
71 42.5 31.0 46.4

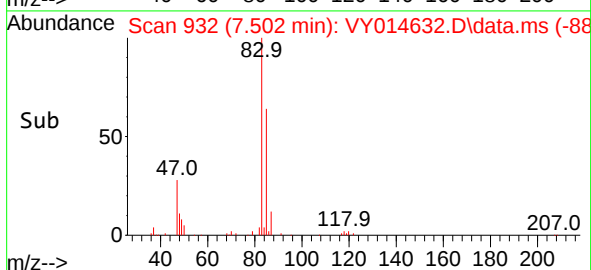
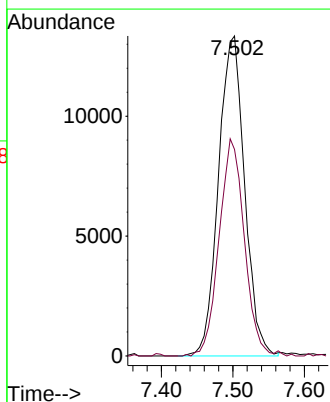
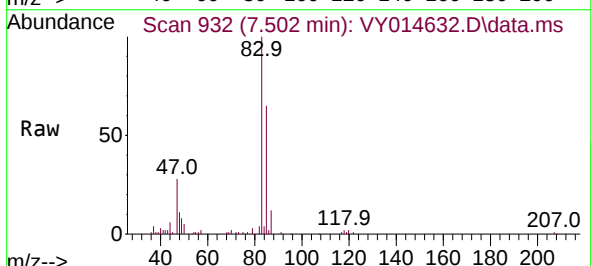
Manual Integrations
APPROVED

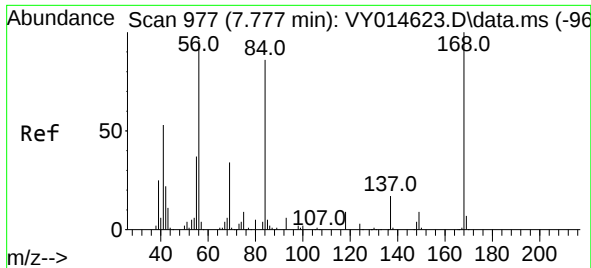
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

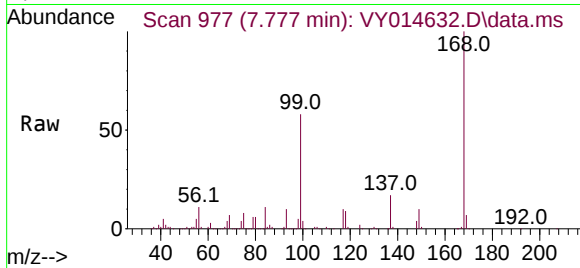
Tgt Ion: 83 Resp: 33867
Ion Ratio Lower Upper
83 100
85 64.6 49.7 74.5





#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

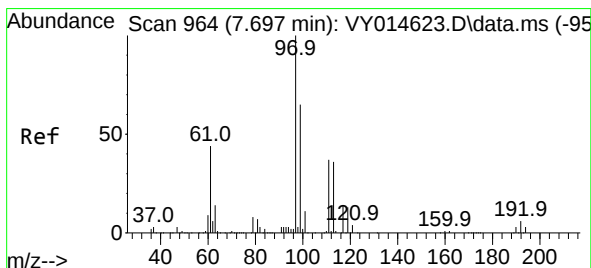
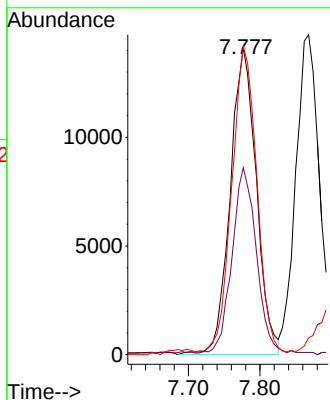
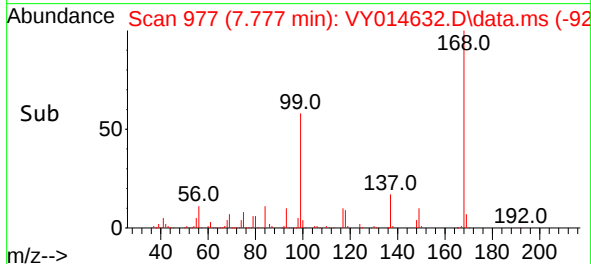
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 56 Resp: 35800
Ion Ratio Lower Upper
56 100
69 60.1 27.8 41.6
84 98.7 66.4 99.6

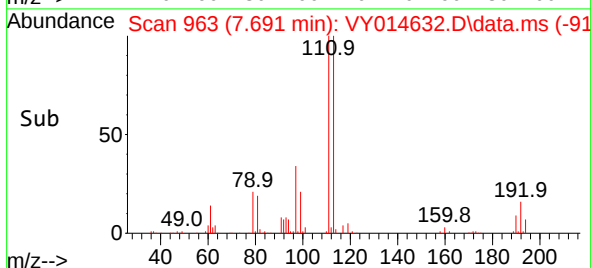
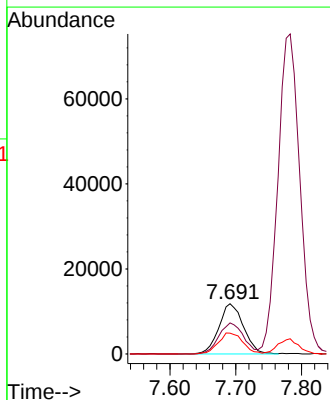
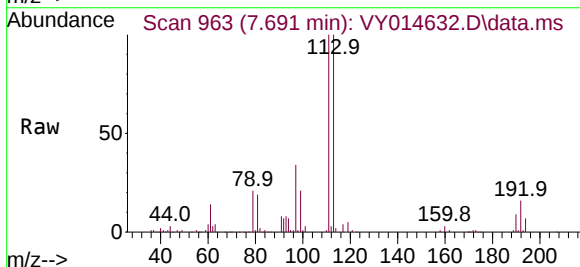
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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: 171760

Ion Ratio Lower Upper

65 100

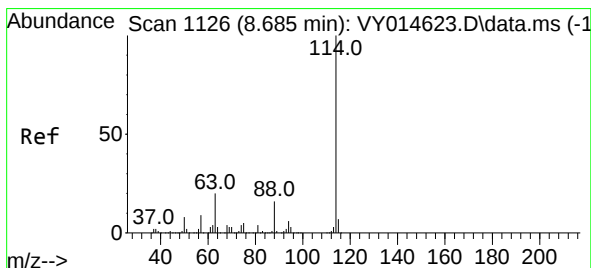
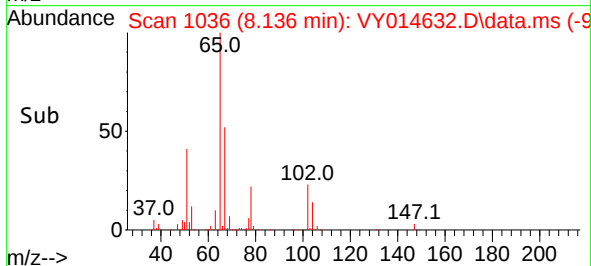
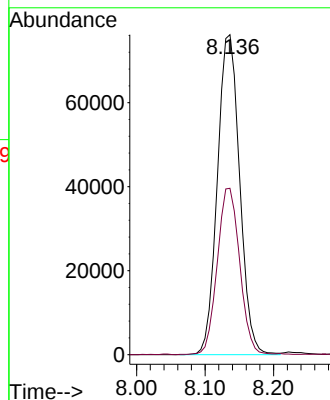
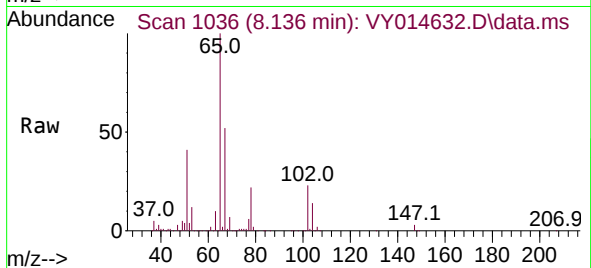
67 52.5 0.0 101.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#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

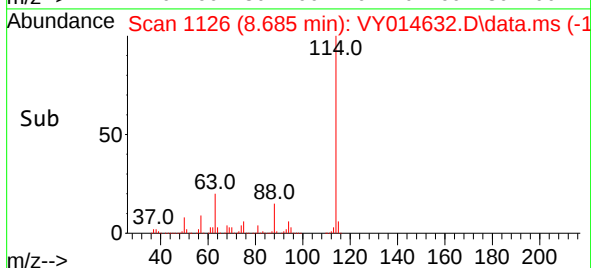
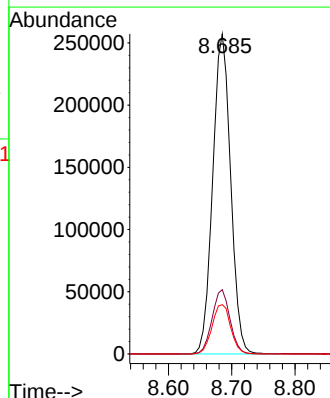
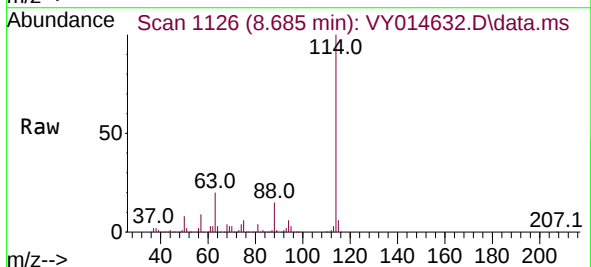
Tgt Ion:114 Resp: 504565

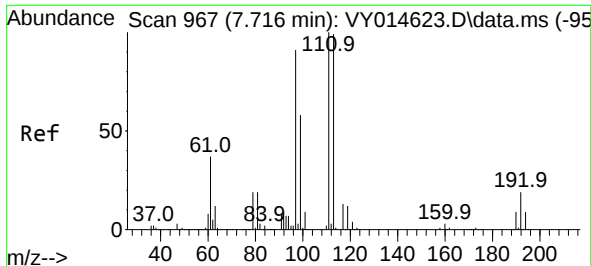
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

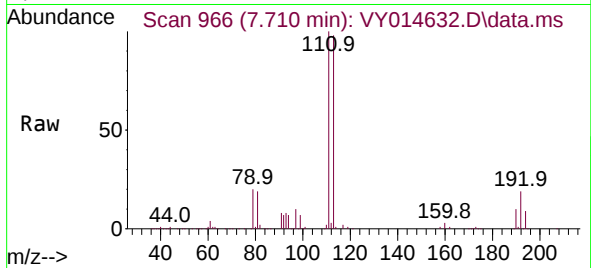
88 15.4 0.0 30.6





#35
Dibromofluoromethane
Concen: 49.342 ug/l
RT: 7.710 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

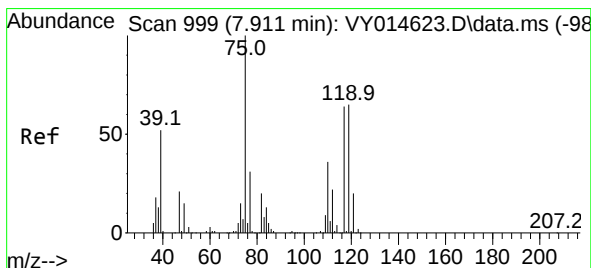
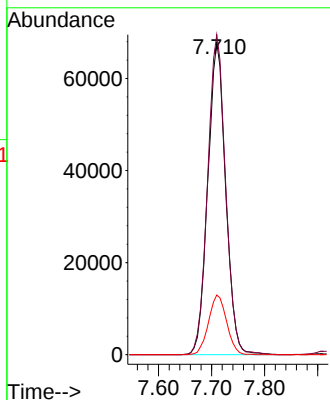
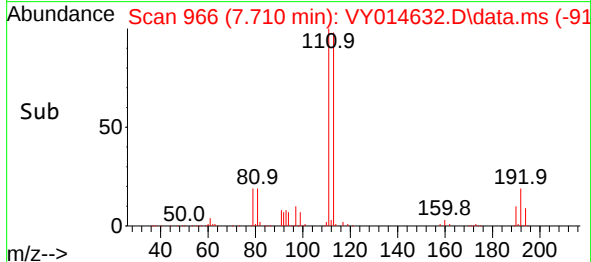
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



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

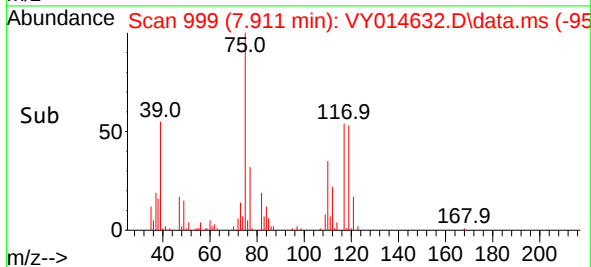
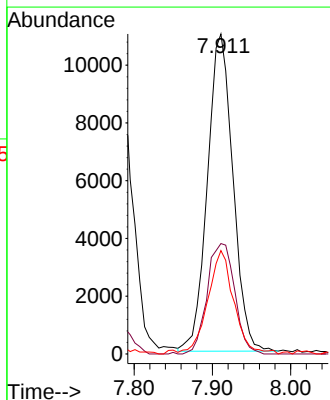
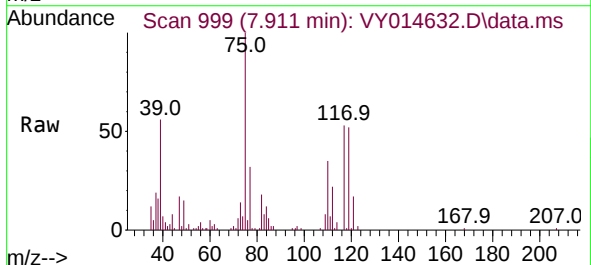
Manual Integrations
APPROVED

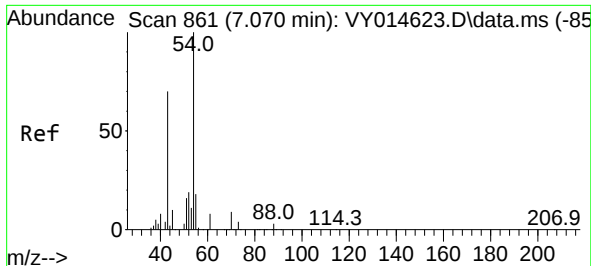
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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# 80

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

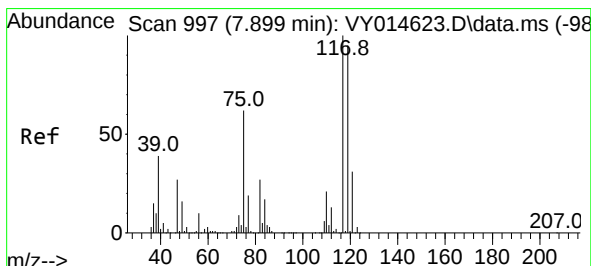
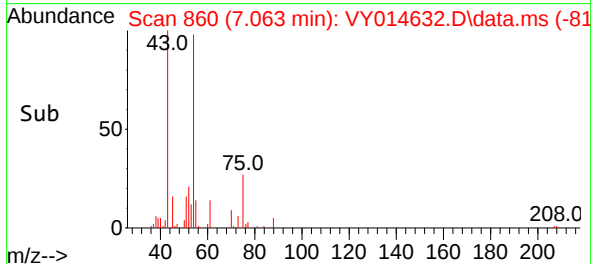
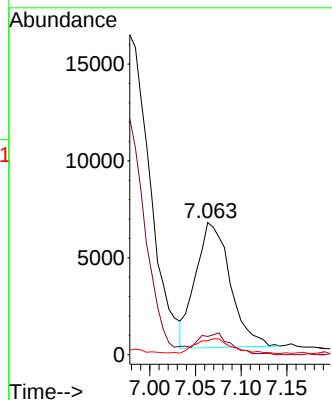
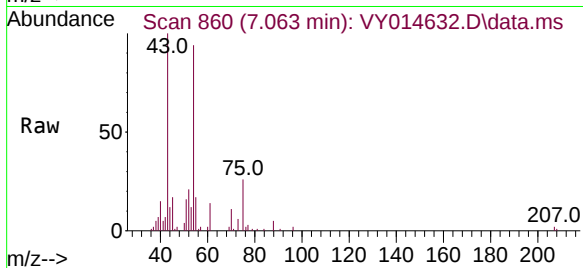
Ion	Ratio	Lower	Upper
43	100		
61	15.3	10.1	15.1
70	14.9	7.1	10.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#38

Carbon Tetrachloride

Concen: 5.341 ug/l

RT: 7.893 min Scan# 996

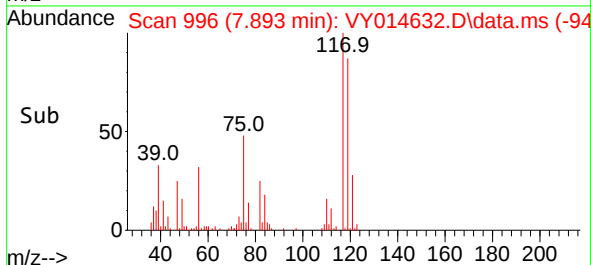
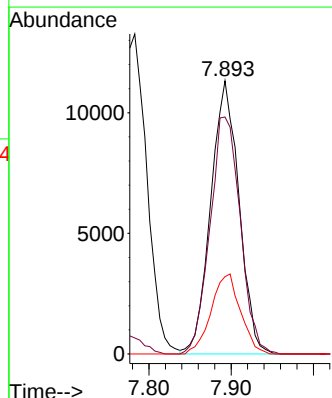
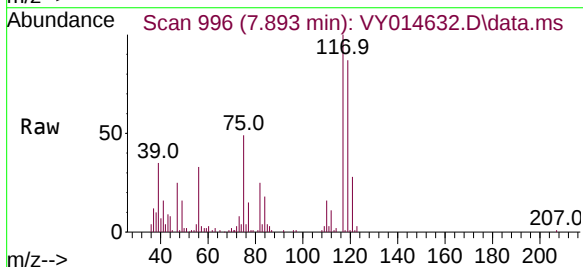
Delta R.T. -0.006 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Tgt Ion:117 Resp: 27117

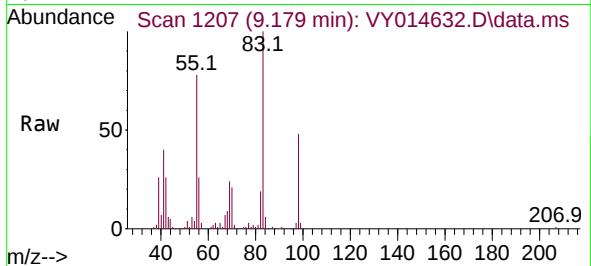
Ion	Ratio	Lower	Upper
117	100		
119	86.8	76.4	114.6
121	28.3	25.8	38.6





#39
Methylcyclohexane
Concen: 5.312 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

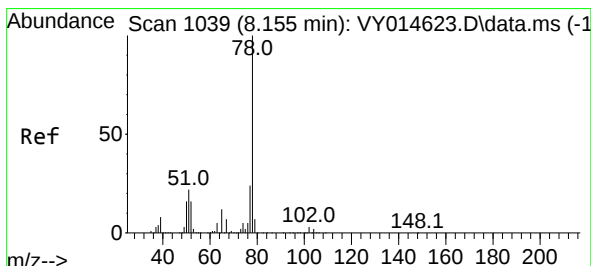
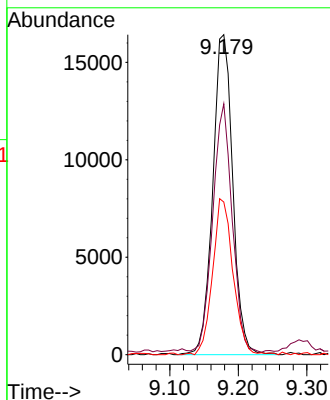
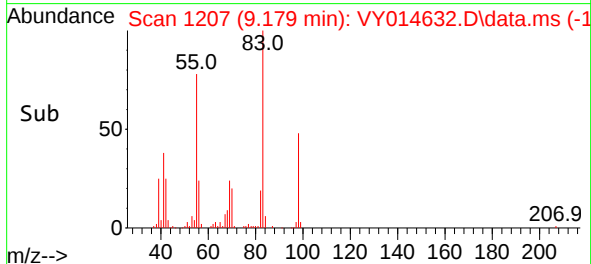
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2023



Tgt Ion: 83 Resp: 3324
Ion Ratio Lower Upper
83 100
55 77.3 63.0 94.4
98 47.7 37.4 56.2

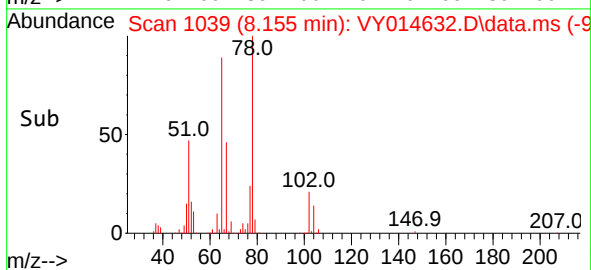
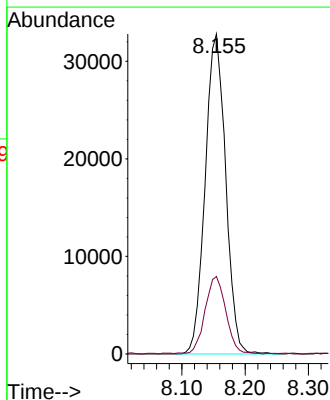
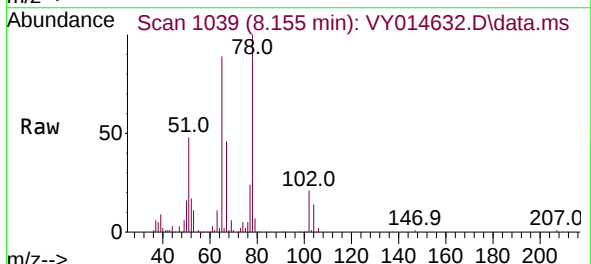
Manual Integrations
APPROVED

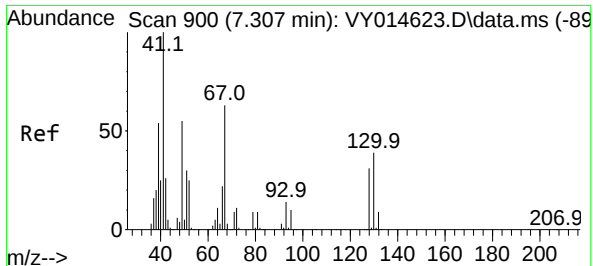
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

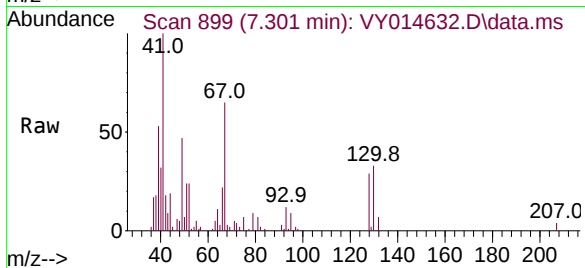
Tgt Ion: 78 Resp: 73726
Ion Ratio Lower Upper
78 100
77 24.1 19.0 28.6





#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

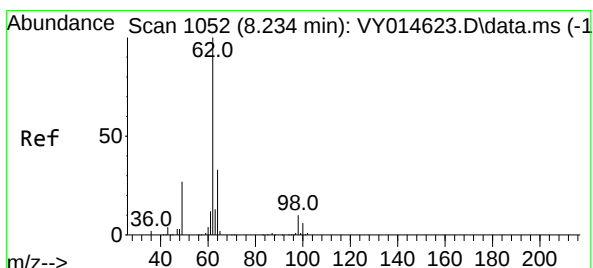
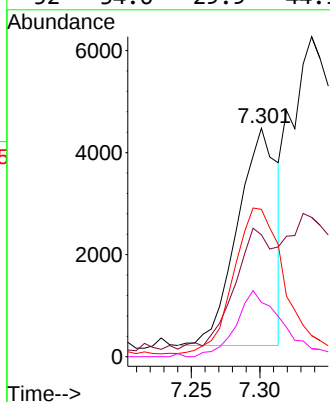
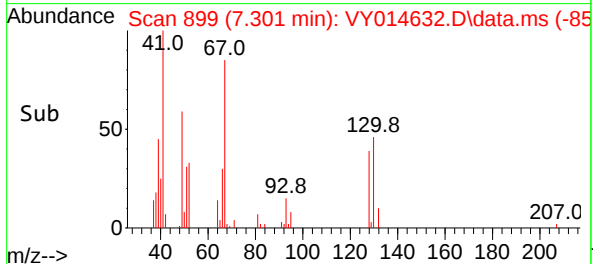
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion: 41 Resp: 860
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

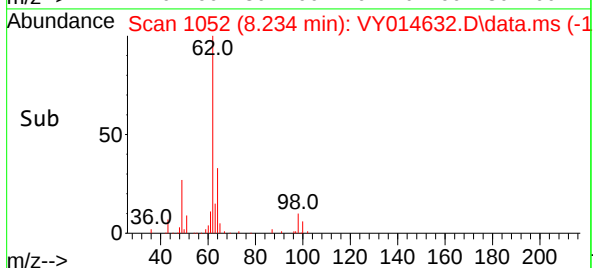
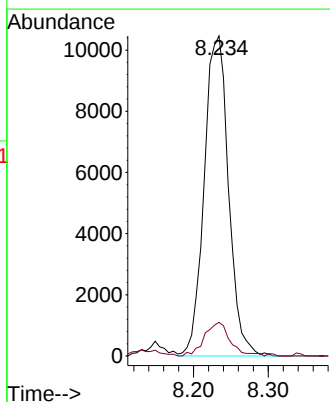
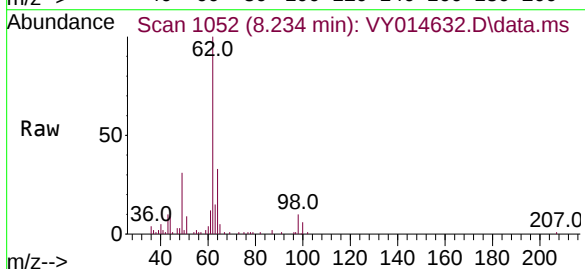
Manual Integrations
APPROVED

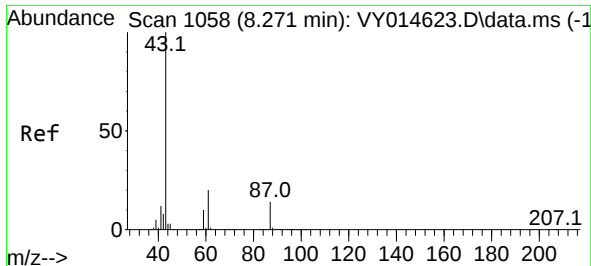
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

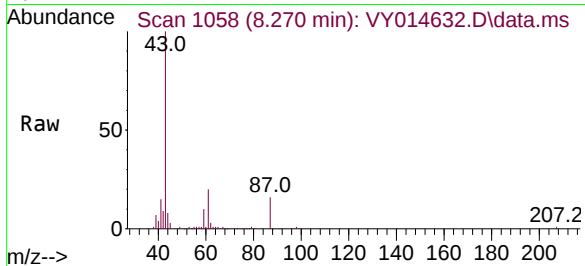
Tgt Ion: 62 Resp: 23718
Ion Ratio Lower Upper
62 100
98 11.0 0.0 15.8





#43
Isopropyl Acetate
Concen: 5.232 ug/l
RT: 8.270 min Scan# 1058
Delta R.T. -0.001 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

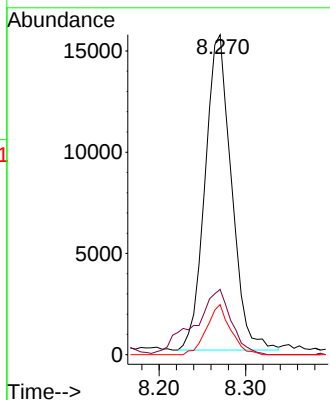
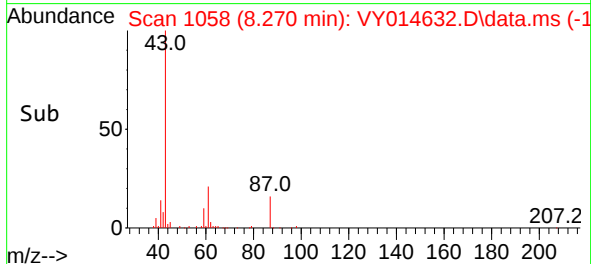
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2023



Tgt Ion: 43 Resp: 3296
Ion Ratio Lower Upper
43 100
61 29.0 21.1 31.7
87 14.4 9.8 14.8

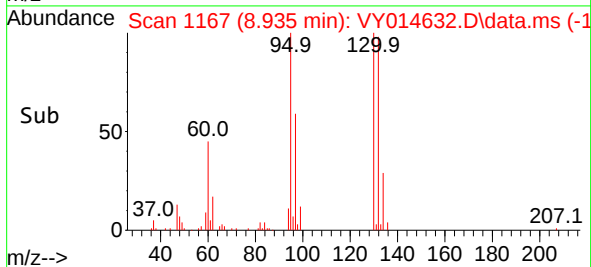
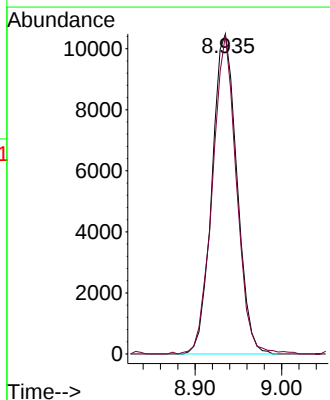
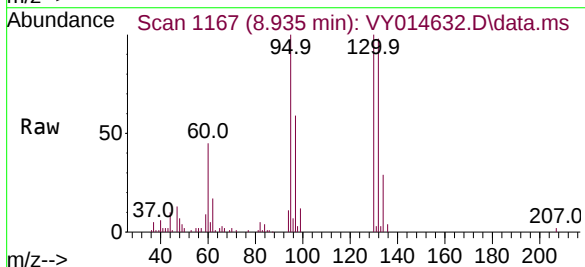
Manual Integrations
APPROVED

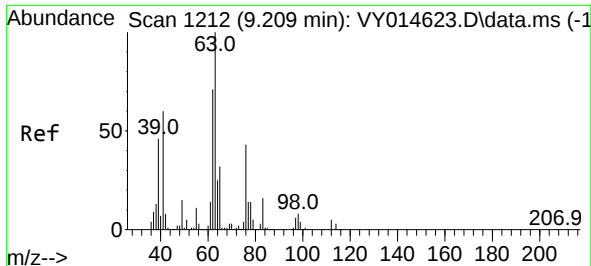
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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# 1212

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: 1871

Ion Ratio Lower Upper

63 100

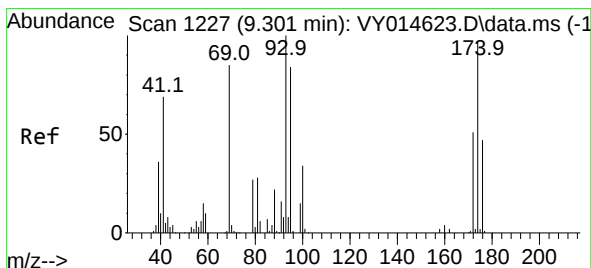
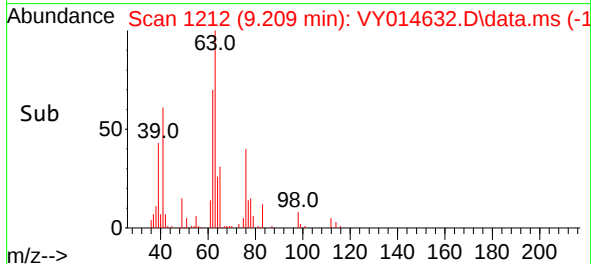
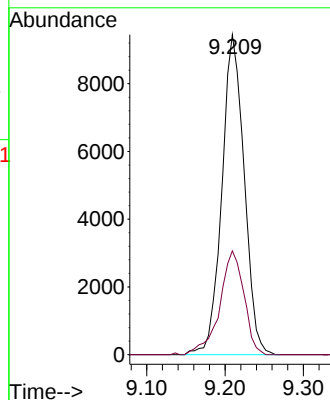
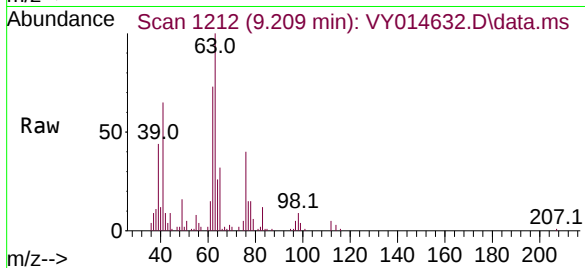
65 32.4 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#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

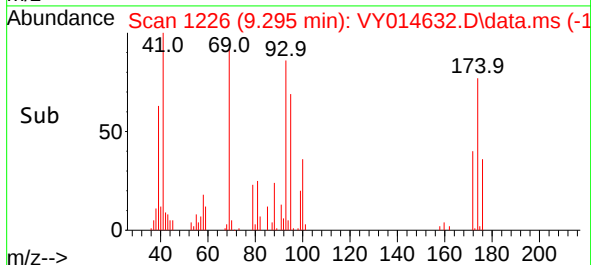
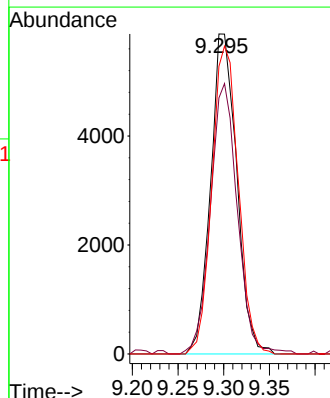
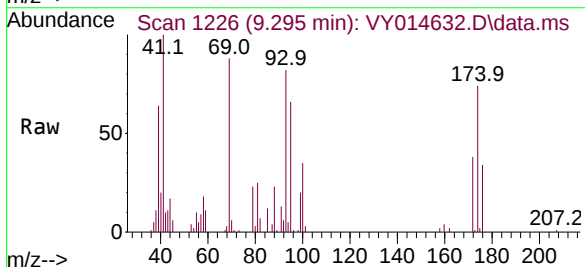
Tgt Ion: 93 Resp: 11656

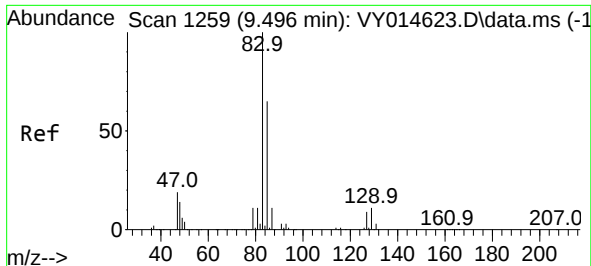
Ion Ratio Lower Upper

93 100

95 87.1 66.6 100.0

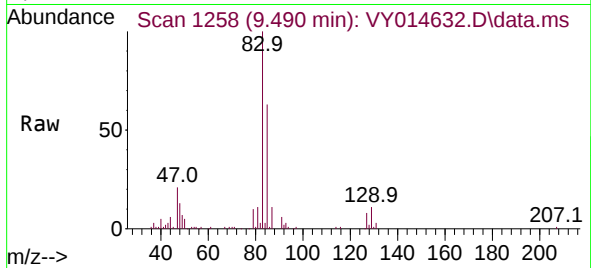
174 97.5 84.8 127.2





#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

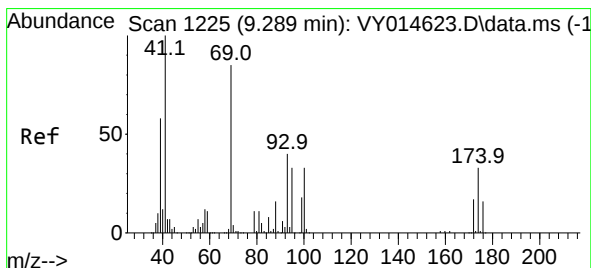
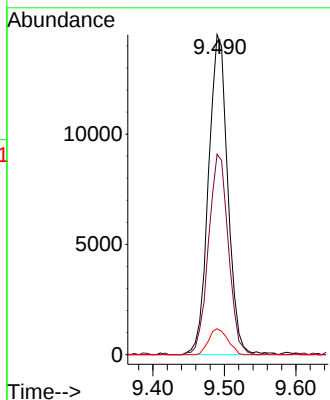
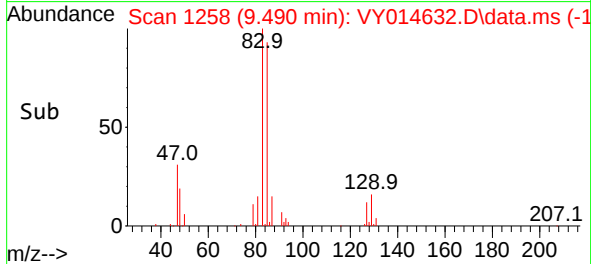
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2023



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

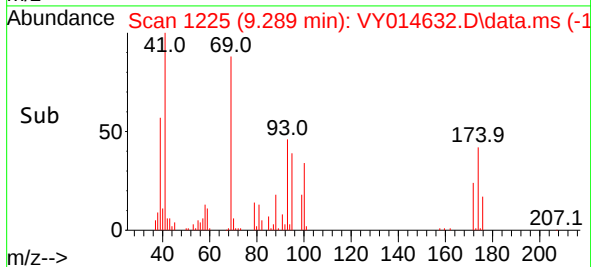
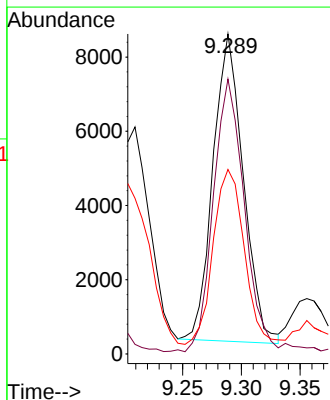
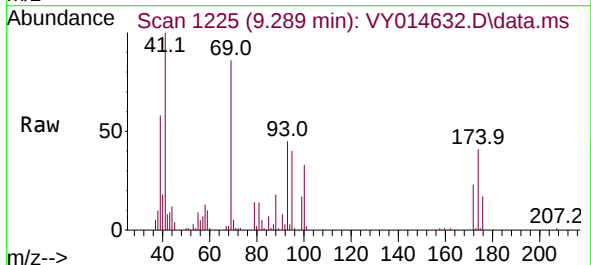
Manual Integrations
APPROVED

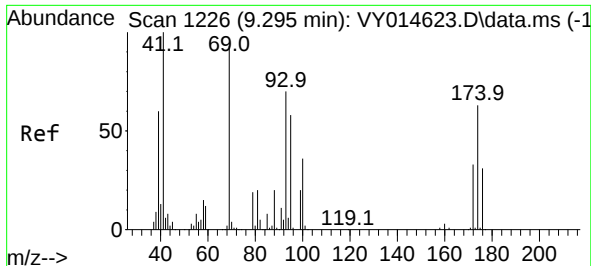
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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# 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: 88 Resp: 377

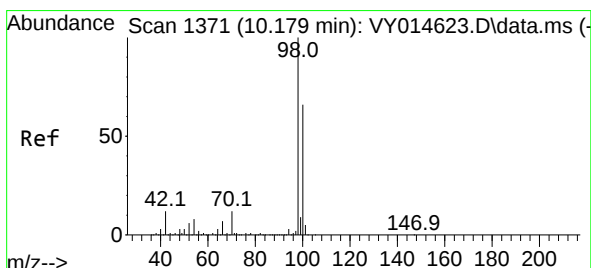
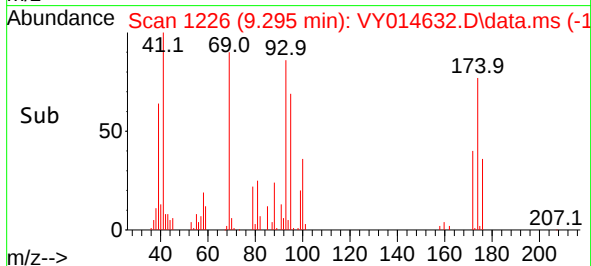
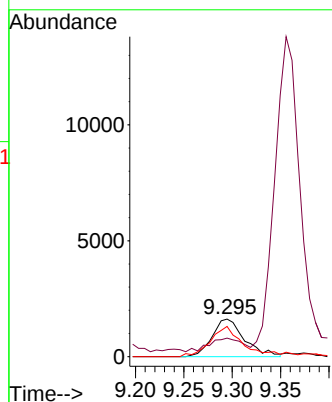
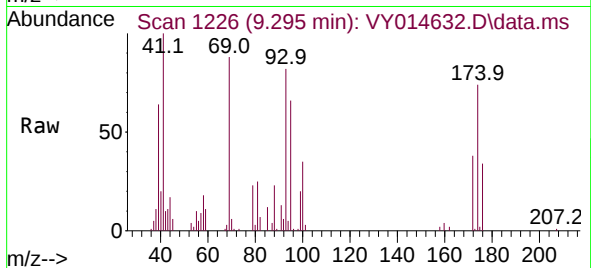
Ion	Ratio	Lower	Upper
88	100		
43	37.1	0.0	0.0
58	83.9	30.9	46.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#50

Toluene-d8

Concen: 48.766 ug/l

RT: 10.173 min Scan# 1370

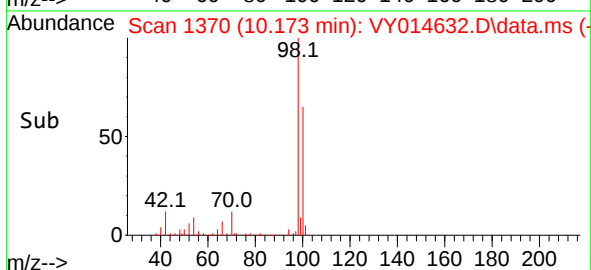
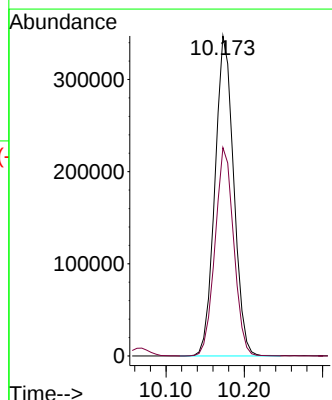
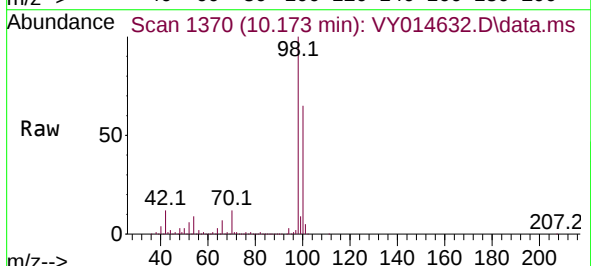
Delta R.T. -0.006 min

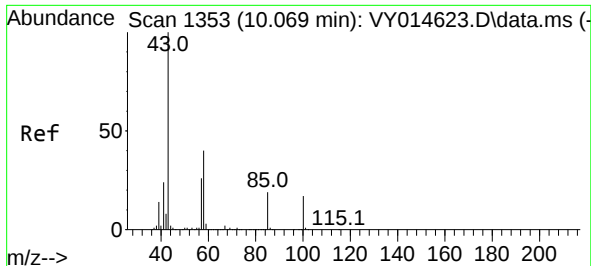
Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

Tgt Ion: 98 Resp: 577477

Ion	Ratio	Lower	Upper
98	100		
100	64.8	50.1	75.1





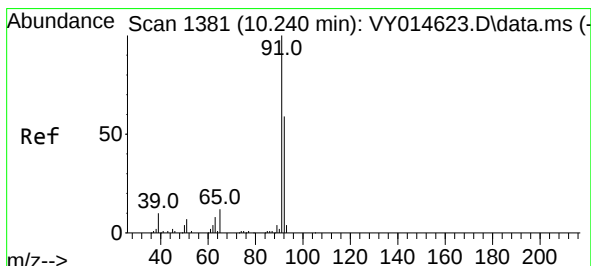
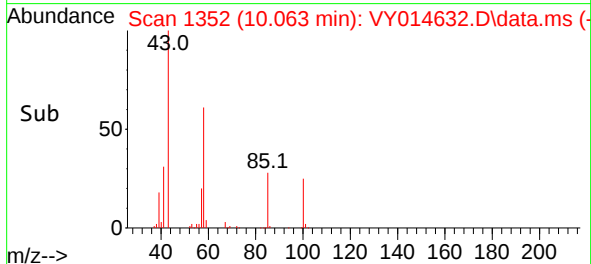
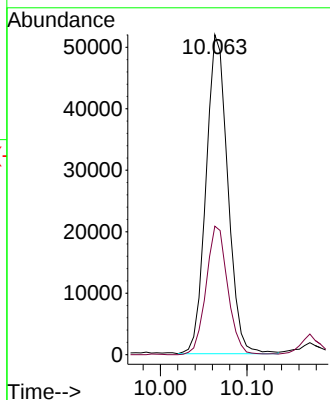
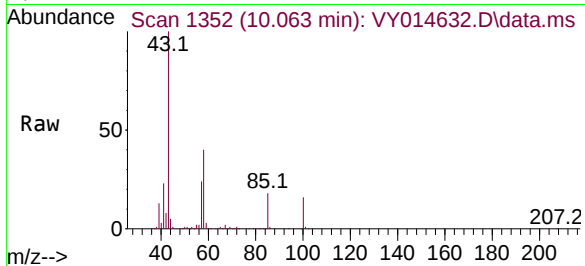
#51
4-Methyl-2-Pentanone
Concen: 27.395 ug/l
RT: 10.063 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

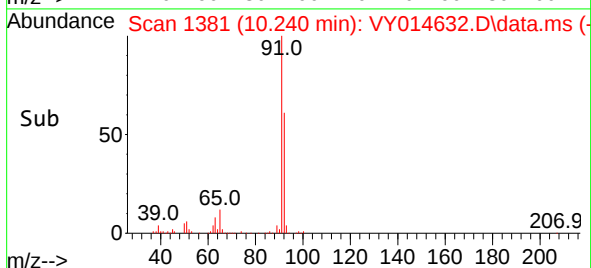
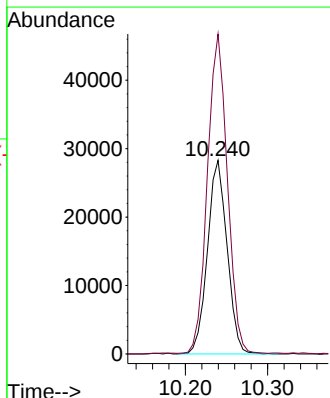
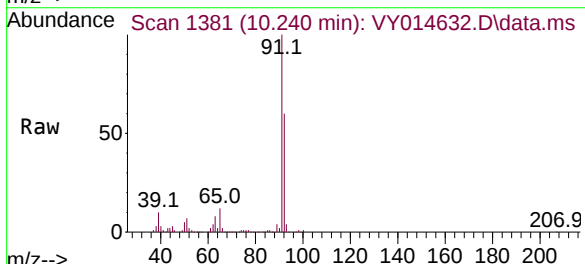
Manual Integrations
APPROVED

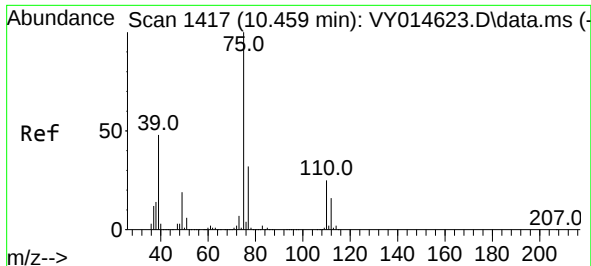
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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





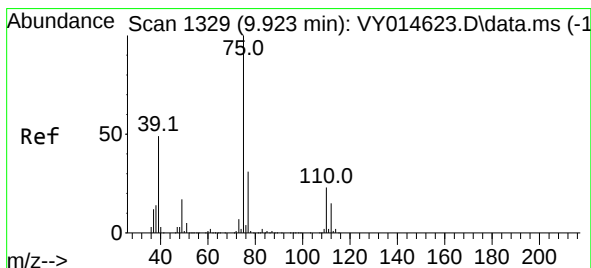
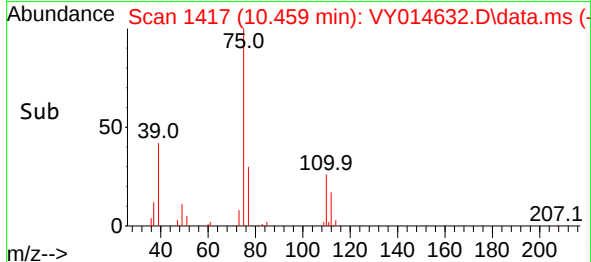
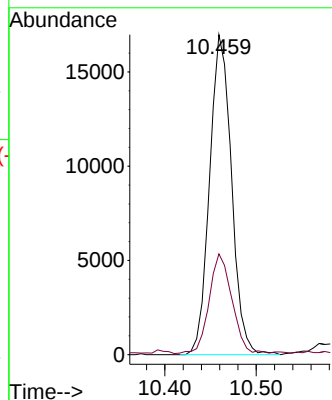
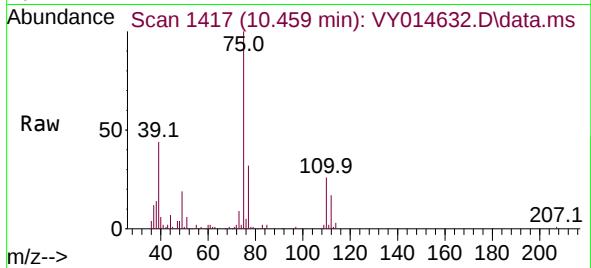
#53
t-1,3-Dichloropropene
Concen: 5.061 ug/l
RT: 10.459 min Scan# 1417
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

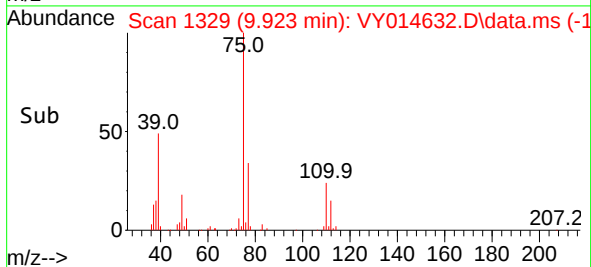
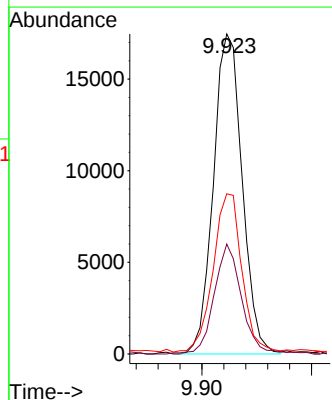
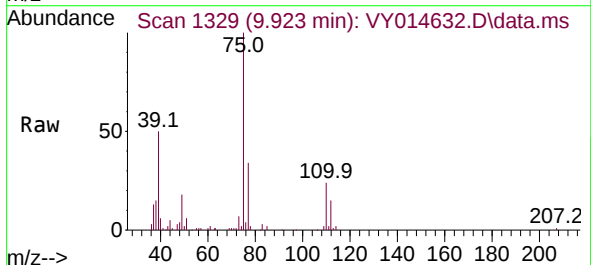
Manual Integrations
APPROVED

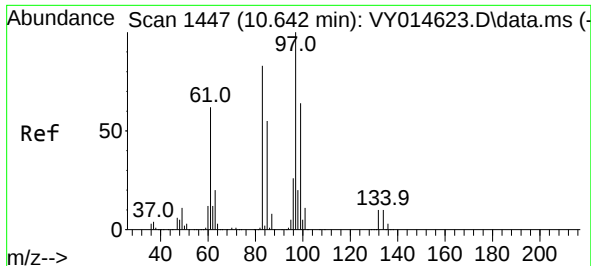
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

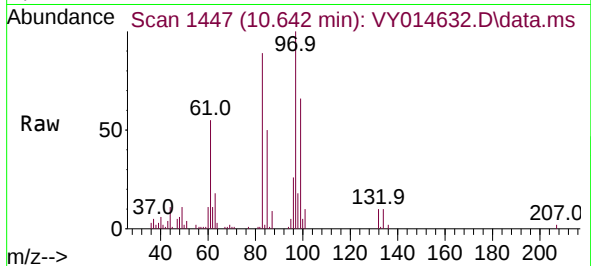
Tgt Ion: 75 Resp: 31851
Ion Ratio Lower Upper
75 100
77 34.0 24.2 36.4
39 49.0 42.2 63.4





#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

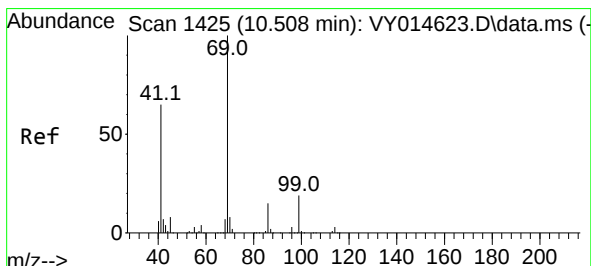
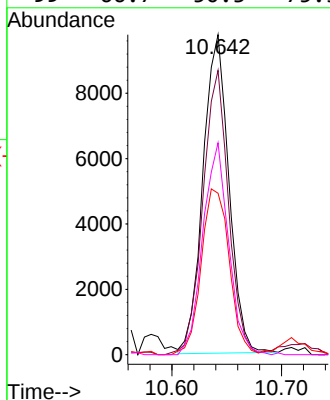
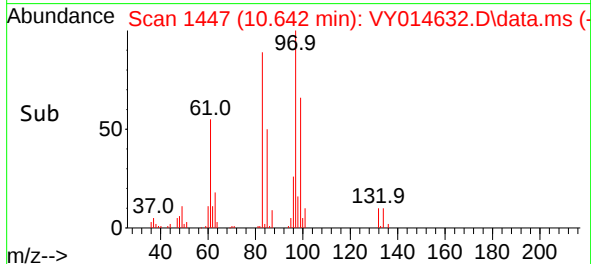
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



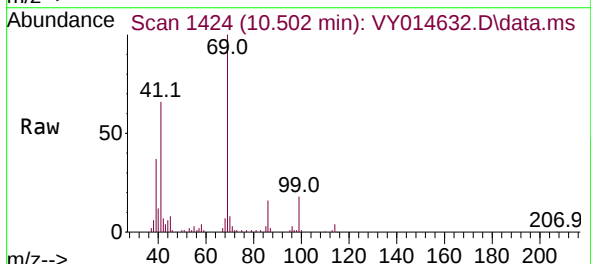
Tgt Ion:	97	Resp:	16020
Ion Ratio	100	Lower	Upper
97	100		
83	88.1	72.0	108.0
85	49.8	45.4	68.0
99	66.7	50.3	75.5

Manual Integrations
APPROVED

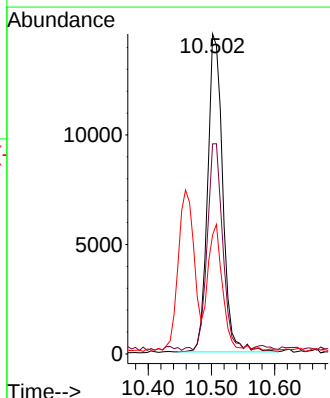
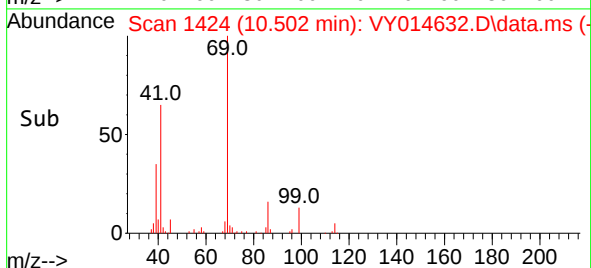
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

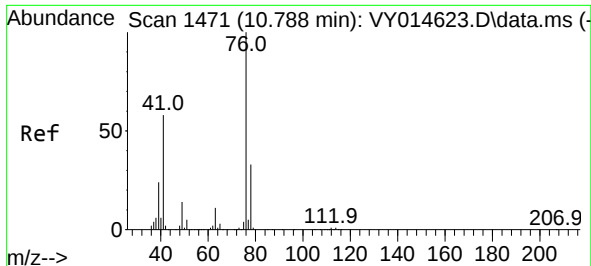


#56
Ethyl methacrylate
Concen: 5.231 ug/l
RT: 10.502 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12



Tgt Ion:	69	Resp:	24075
Ion Ratio	100	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: 2705

Ion Ratio Lower Upper

76 100

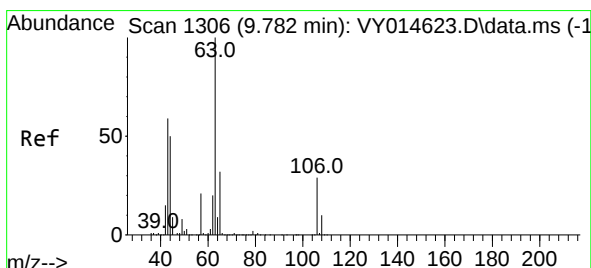
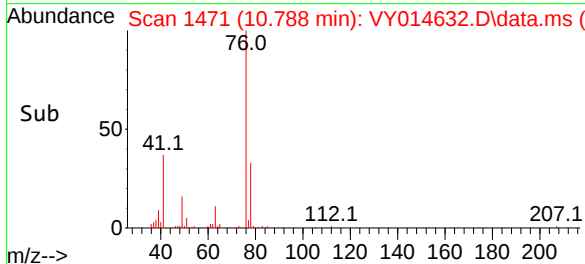
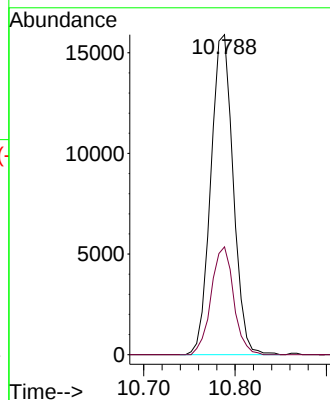
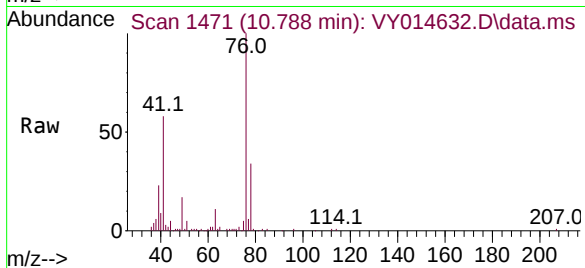
78 33.8 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#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

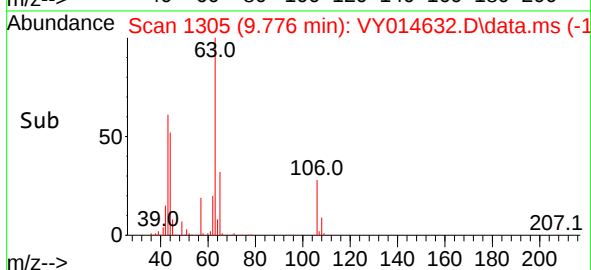
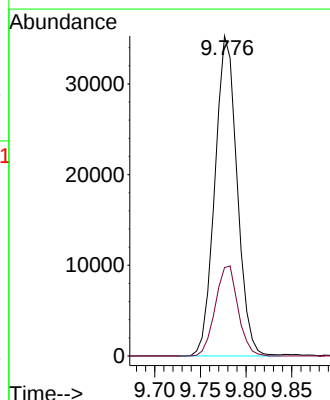
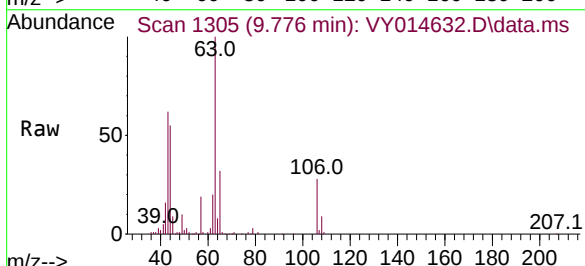
Acq: 13 Jul 2023 17:12

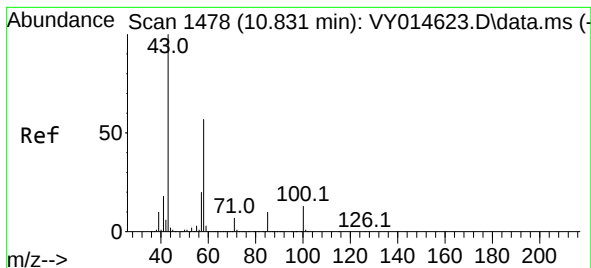
Tgt Ion: 63 Resp: 59770

Ion Ratio Lower Upper

63 100

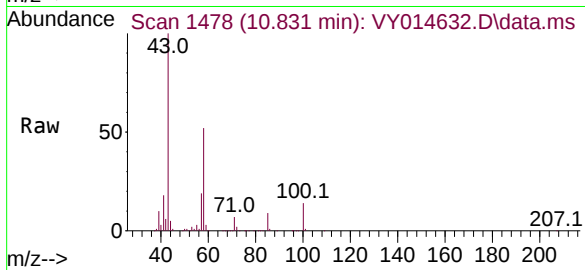
106 28.7 21.2 31.8





#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

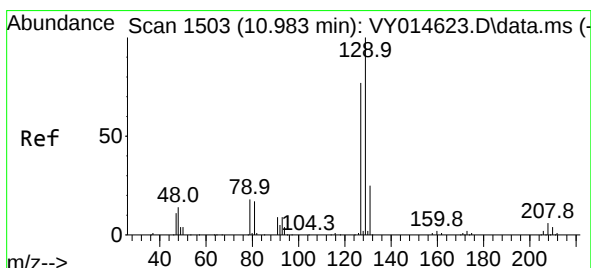
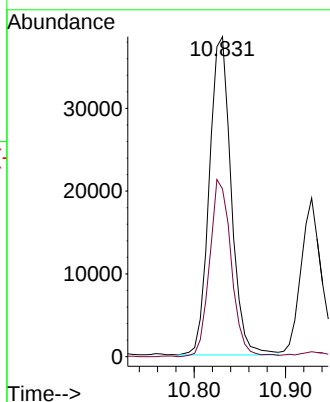
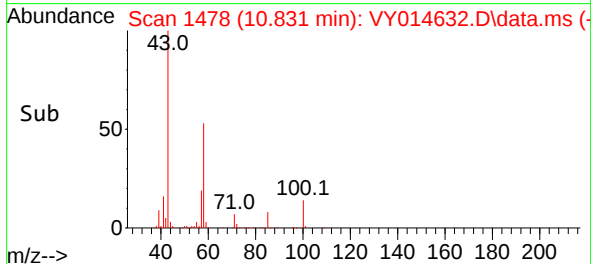
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



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

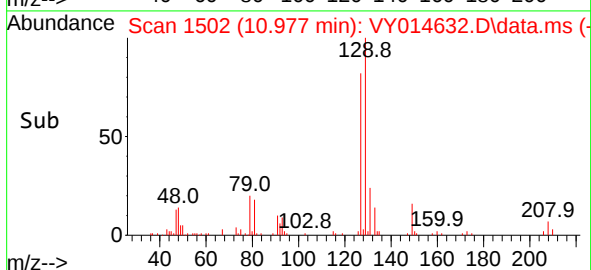
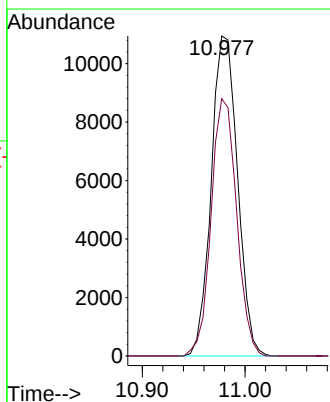
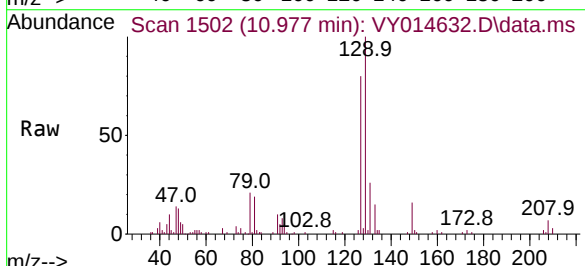
Manual Integrations
APPROVED

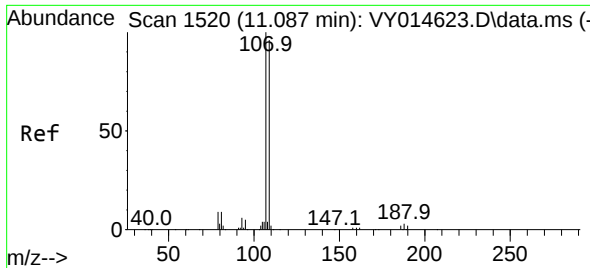
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

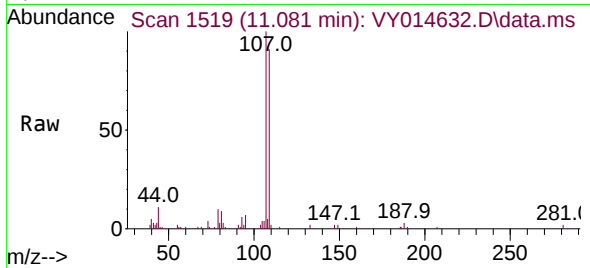
Tgt Ion:129 Resp: 19463
Ion Ratio Lower Upper
129 100
127 77.8 38.5 115.5





#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

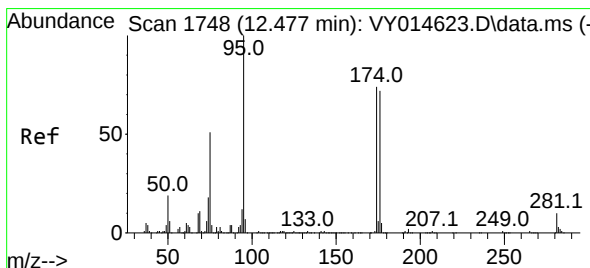
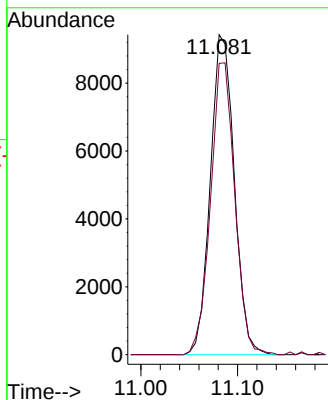
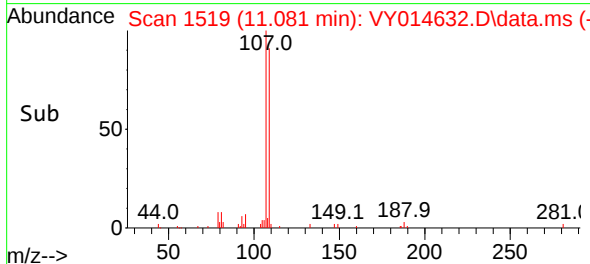
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2023



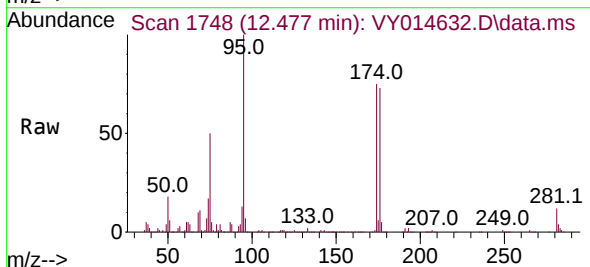
Tgt Ion:107 Resp: 1618
Ion Ratio Lower Upper
107 100
109 92.3 75.6 113.4

Manual Integrations
APPROVED

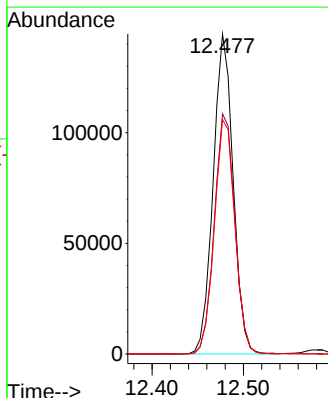
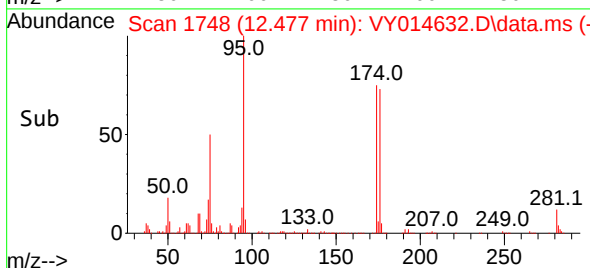
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

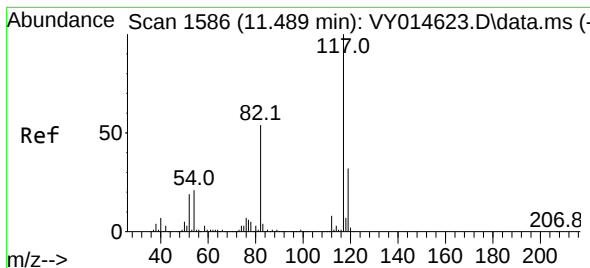


#62
4-Bromofluorobenzene
Concen: 48.347 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12



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# 1586

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

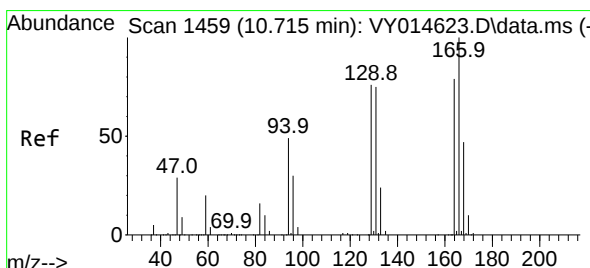
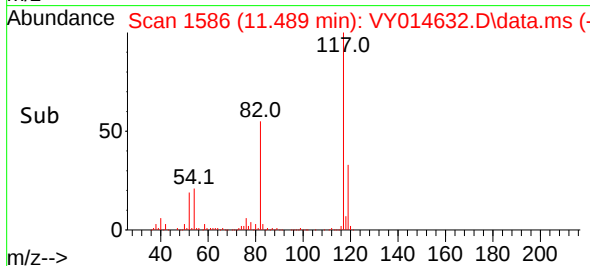
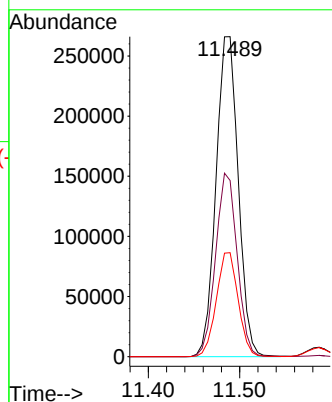
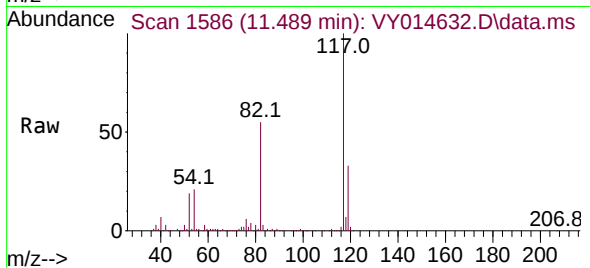
Tgt Ion:	117	Resp:	45007
Ion Ratio	Lower	Upper	
117	100		
82	55.0	43.4	65.0
119	32.5	26.3	39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#64

Tetrachloroethene

Concen: 5.702 ug/l

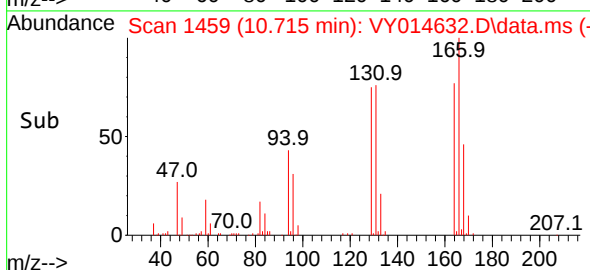
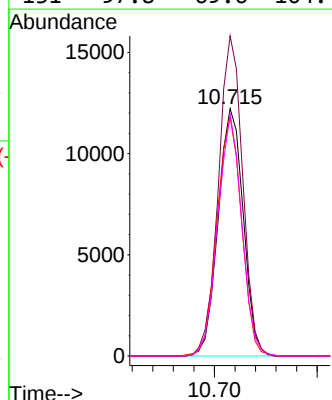
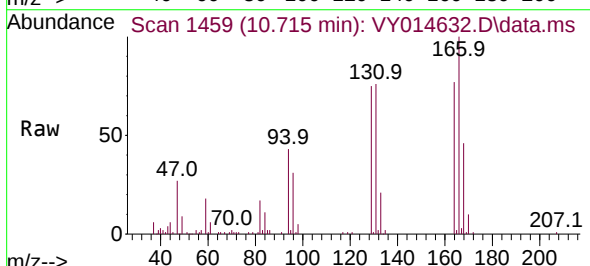
RT: 10.715 min Scan# 1459

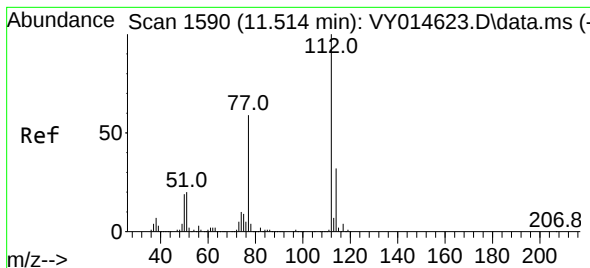
Delta R.T. 0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

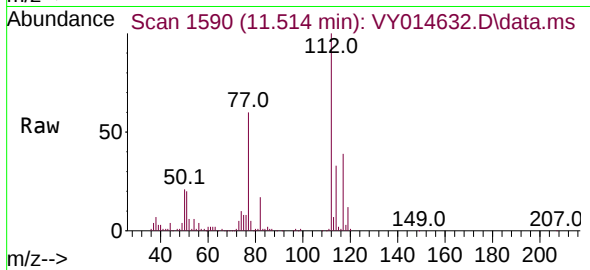
Tgt Ion:	164	Resp:	20640
Ion Ratio	Lower	Upper	
164	100		
166	129.4	103.0	154.6
129	96.6	77.2	115.8
131	97.8	69.6	104.4





#65
Chlorobenzene
Concen: 5.182 ug/l
RT: 11.514 min Scan# 11590
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

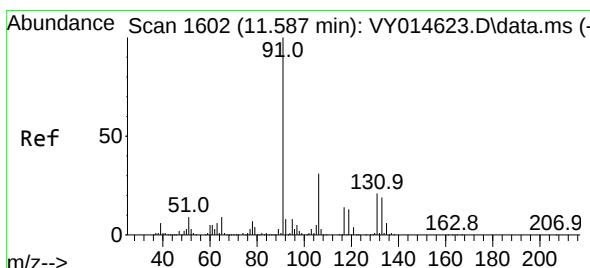
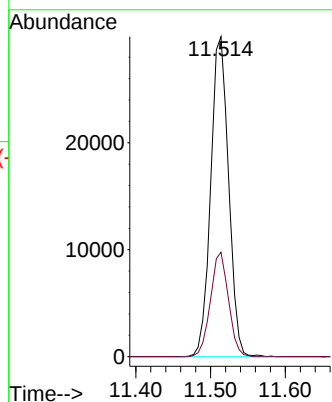
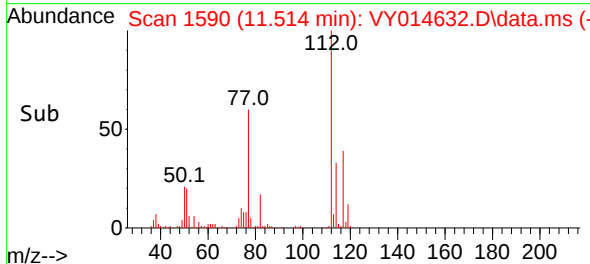
Instrument : MSVOA_Y
ClientSampleId : LOQ-SOIL-02-QT3-2023



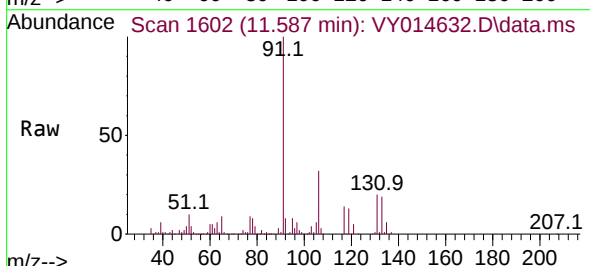
Tgt Ion:112 Resp: 49699
Ion Ratio Lower Upper
112 100
114 32.7 25.5 38.3

Manual Integrations
APPROVED

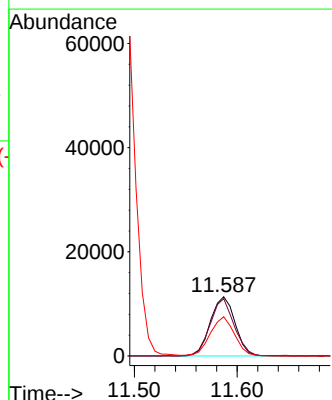
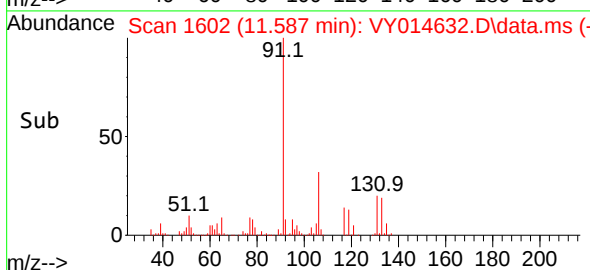
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

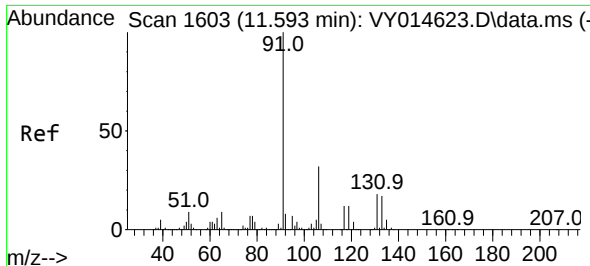


#66
1,1,1,2-Tetrachloroethane
Concen: 5.221 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12



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: 9098

Ion Ratio Lower Upper

91 100

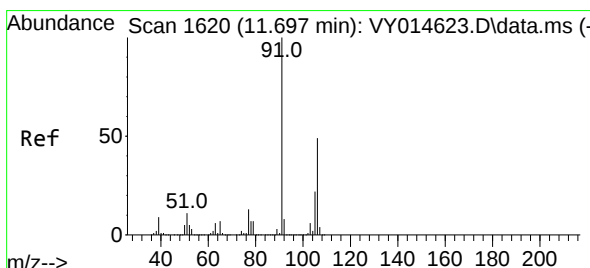
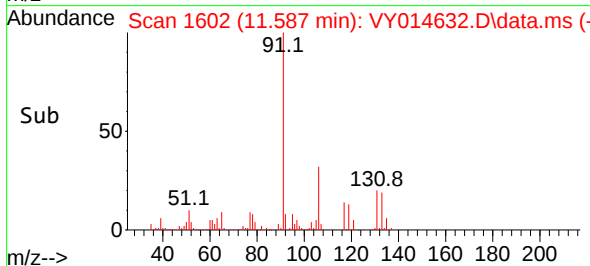
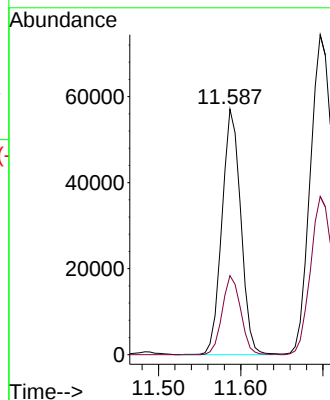
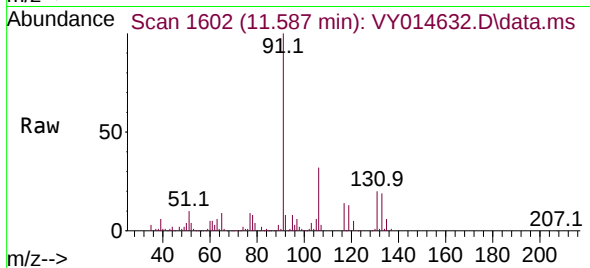
106 32.2 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#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

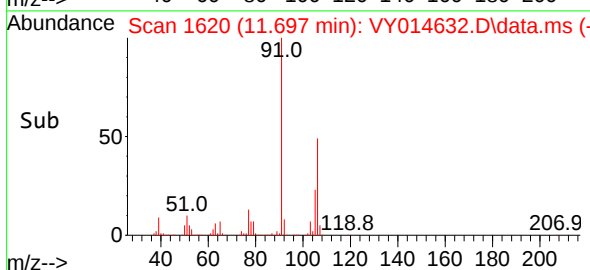
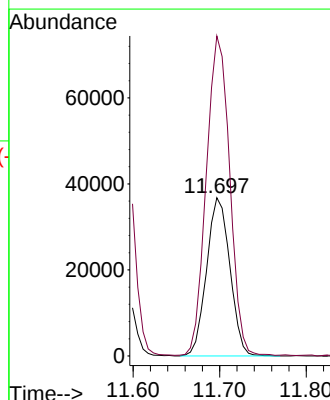
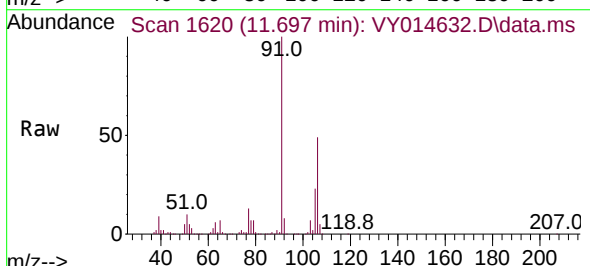
Acq: 13 Jul 2023 17:12

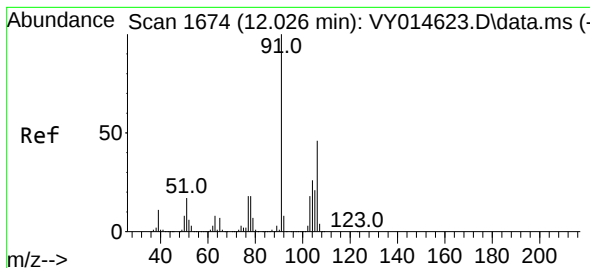
Tgt Ion:106 Resp: 68751

Ion Ratio Lower Upper

106 100

91 202.8 166.1 249.1





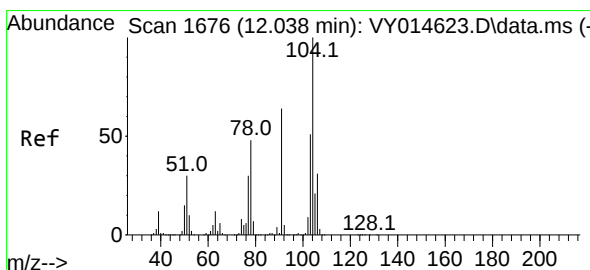
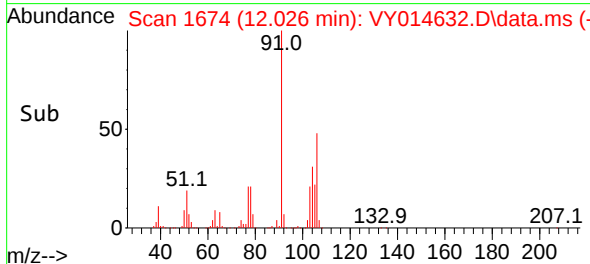
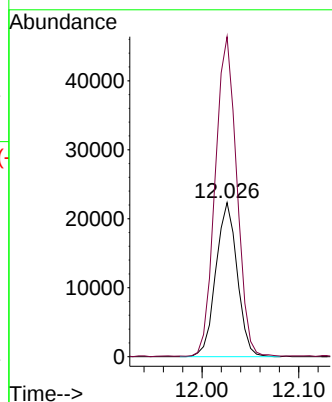
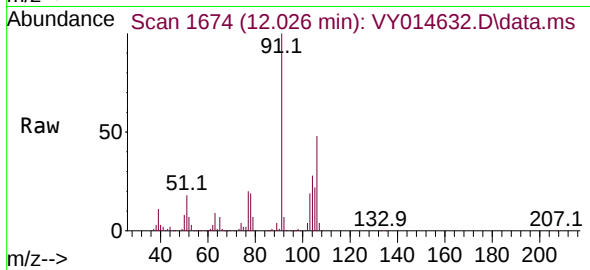
#69
o-Xylene
Concen: 5.316 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

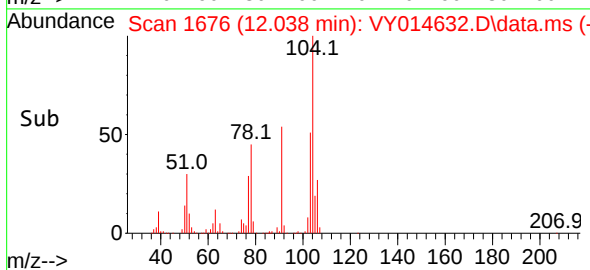
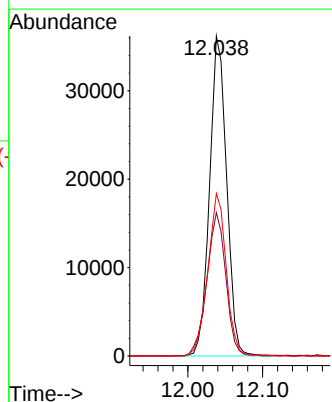
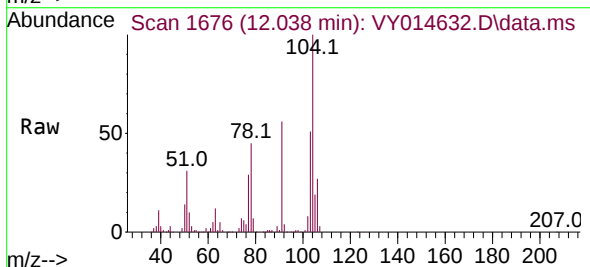
Manual Integrations
APPROVED

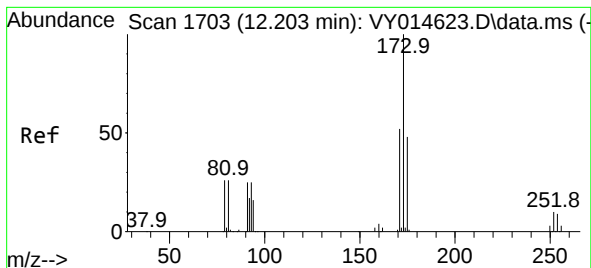
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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# 1703

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

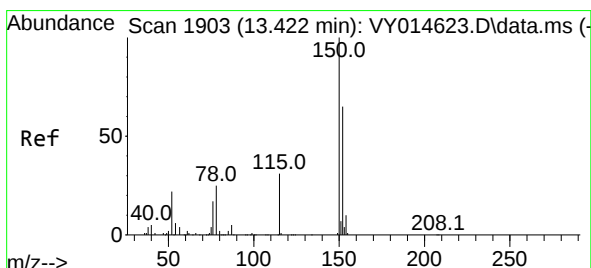
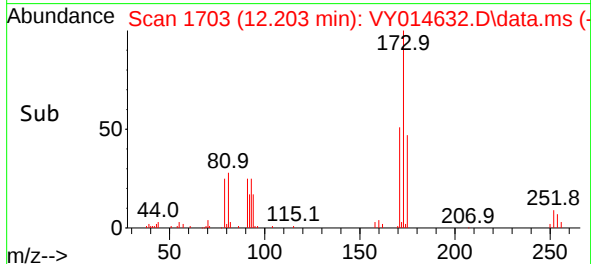
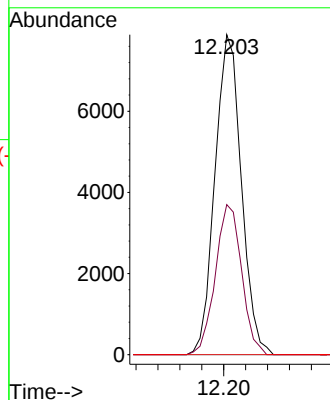
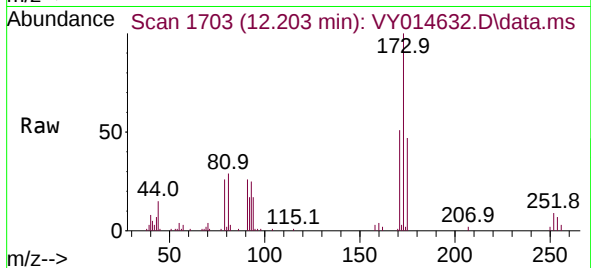
Tgt Ion:	173	Resp:	13160
Ion Ratio	Lower	Upper	
173	100		
175	46.7	24.6	73.8
254	0.0	0.2	0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

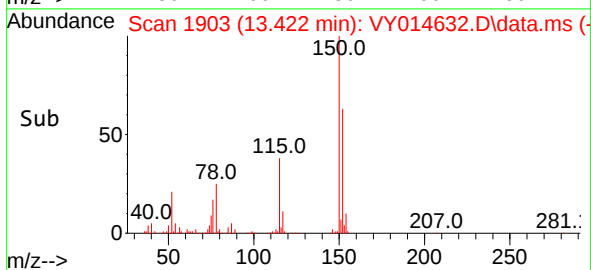
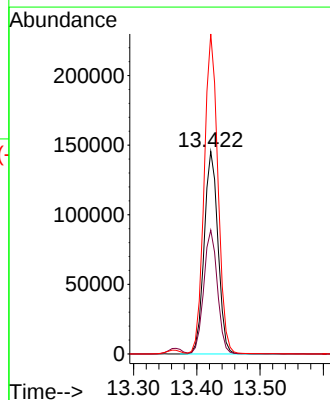
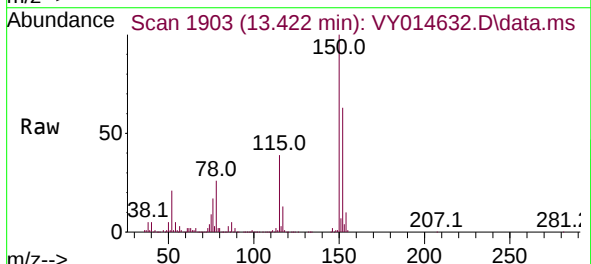
RT: 13.422 min Scan# 1903

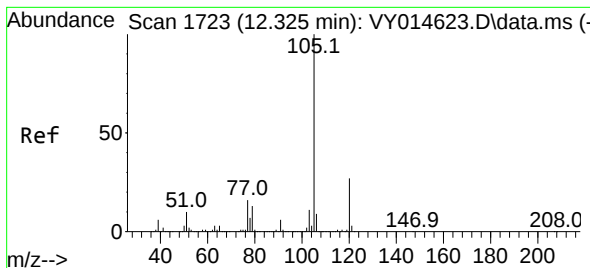
Delta R.T. 0.000 min

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

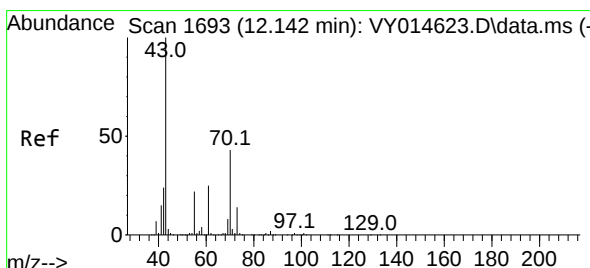
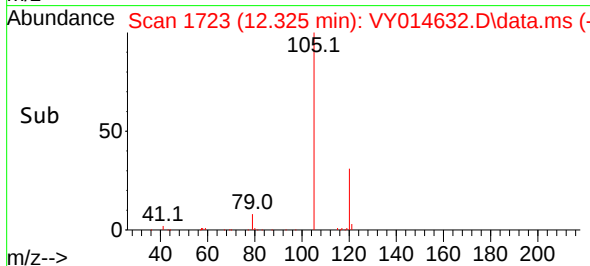
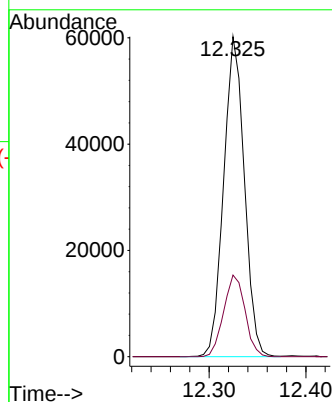
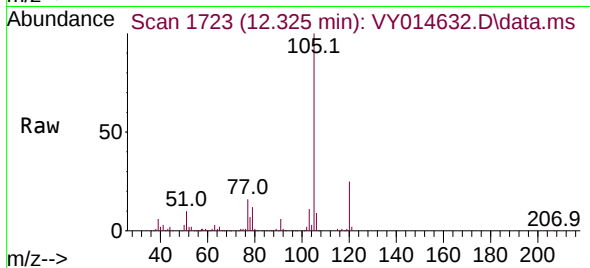
Tgt Ion:105 Resp: 89525
 Ion Ratio Lower Upper
 105 100
 120 26.2 13.3 39.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#74

N-ethyl acetate

Concen: 5.135 ug/l

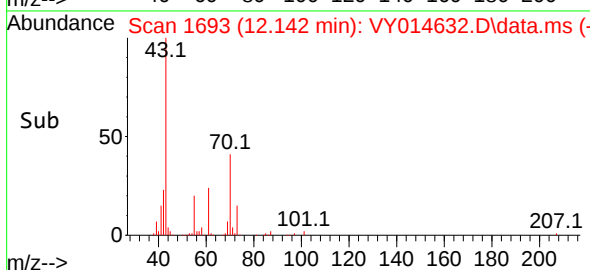
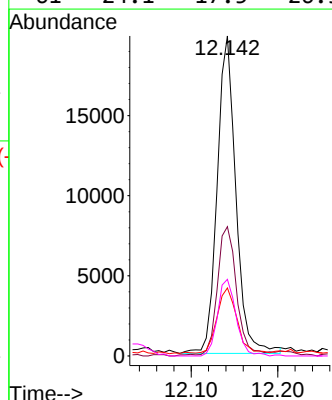
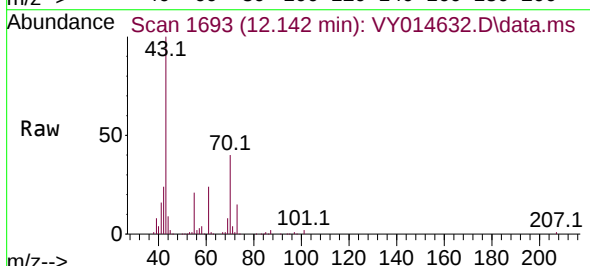
RT: 12.142 min Scan# 1693

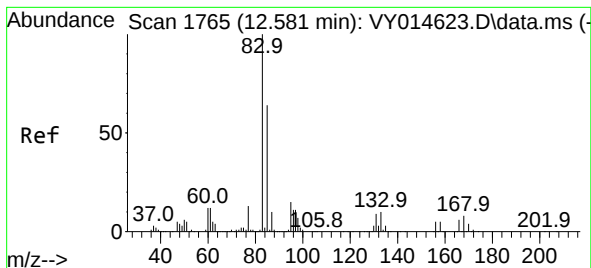
Delta R.T. -0.000 min

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

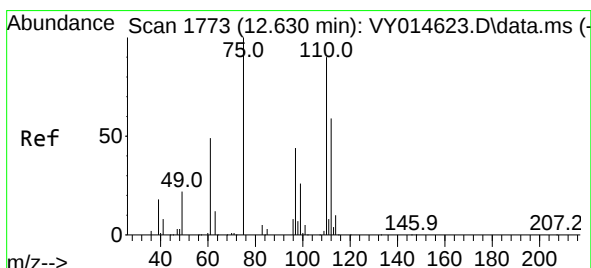
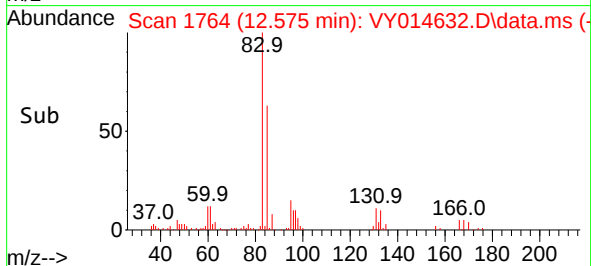
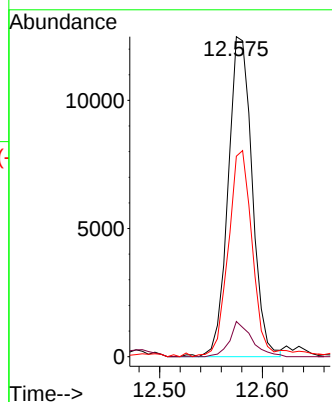
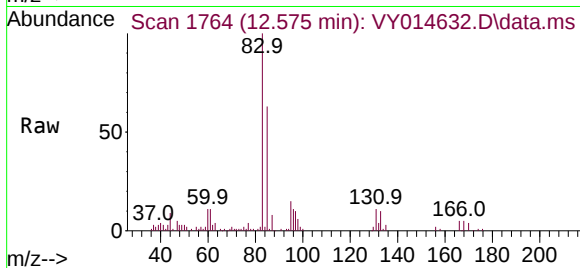
Tgt Ion:	83	Resp:	2025
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.4	16.2
85	65.8	31.8	95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#76

1,2,3-Trichloropropane

Concen: 5.095 ug/l m

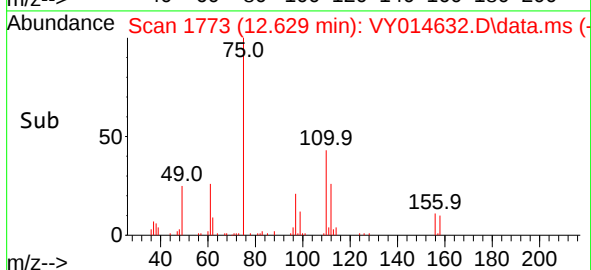
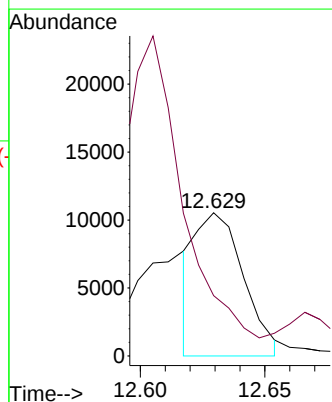
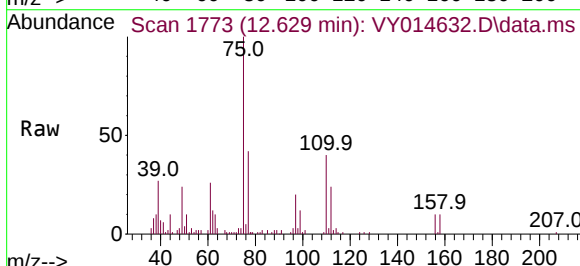
RT: 12.629 min Scan# 1773

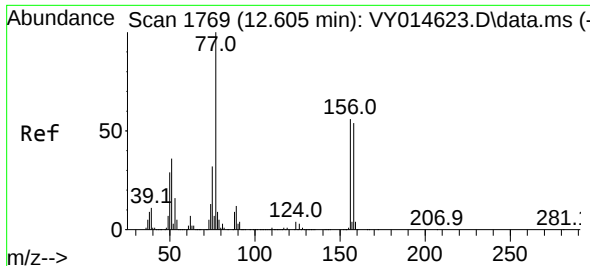
Delta R.T. -0.001 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

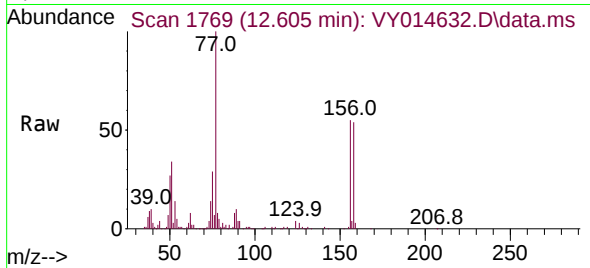
Tgt Ion:	75	Resp:	14215
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#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

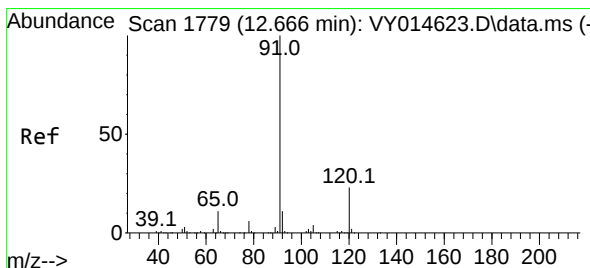
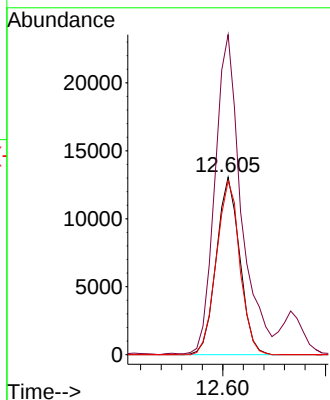
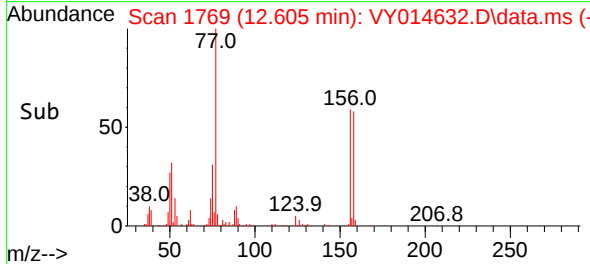
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:156 Resp: 2062
Ion Ratio Lower Upper
156 100
77 203.0 92.8 278.6
158 98.2 48.4 145.3

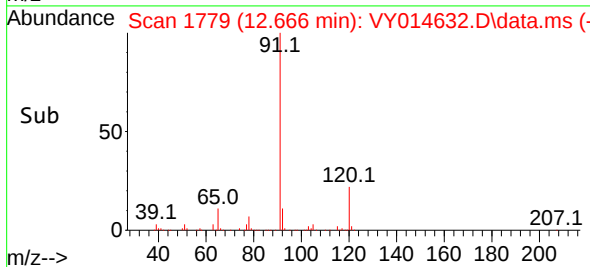
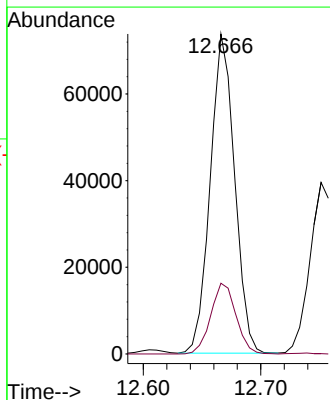
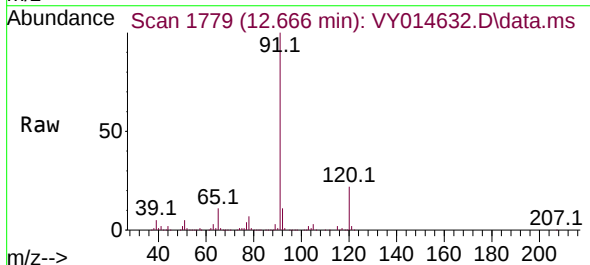
Manual Integrations
APPROVED

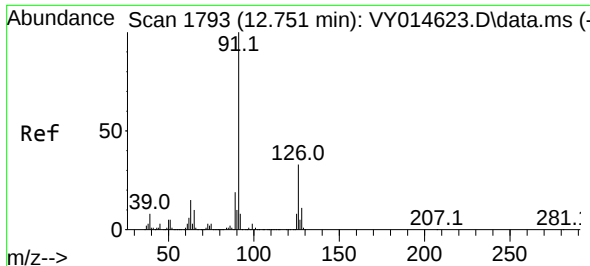
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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





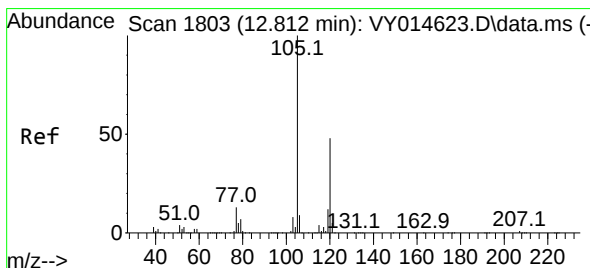
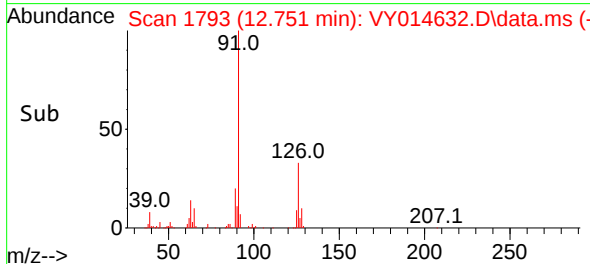
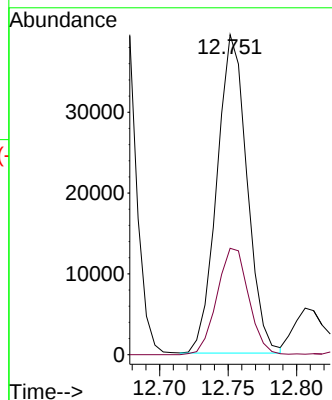
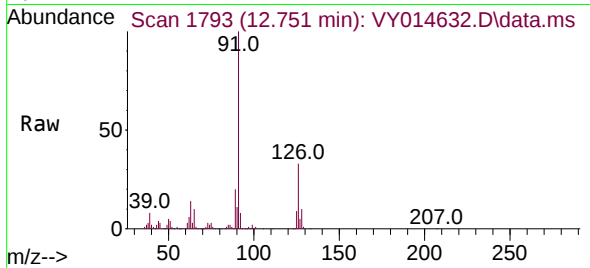
#79
2-Chlorotoluene
Concen: 5.026 ug/l
RT: 12.751 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

Tgt Ion: 91 Resp: 6034
Ion Ratio Lower Upper
91 100
126 35.2 17.3 51.7

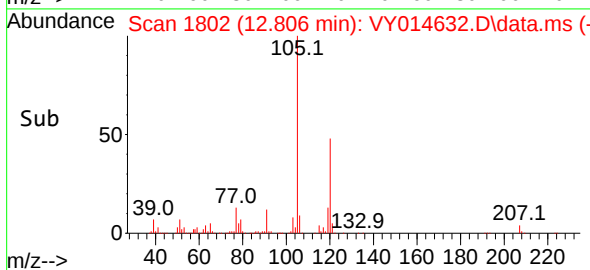
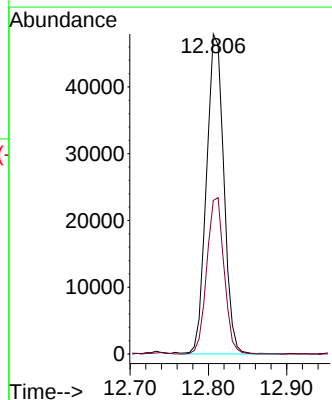
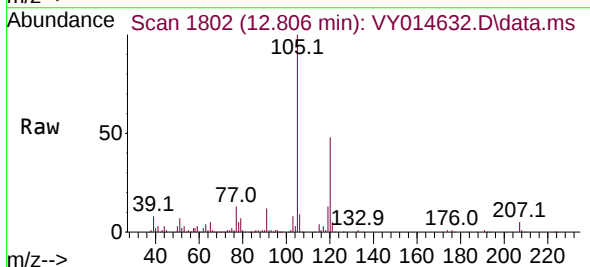
Manual Integrations
APPROVED

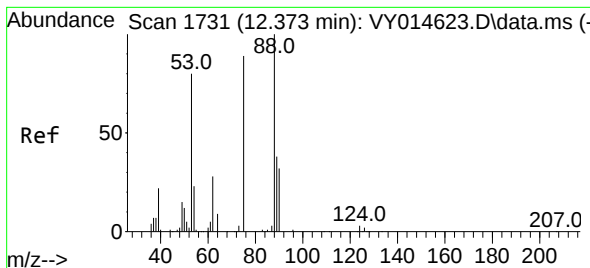
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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





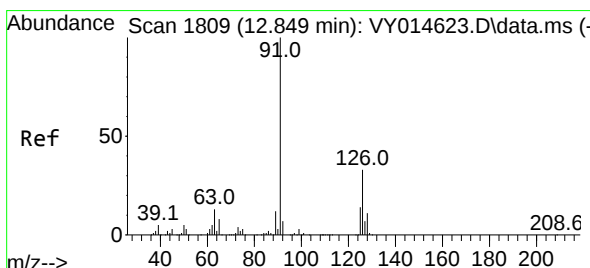
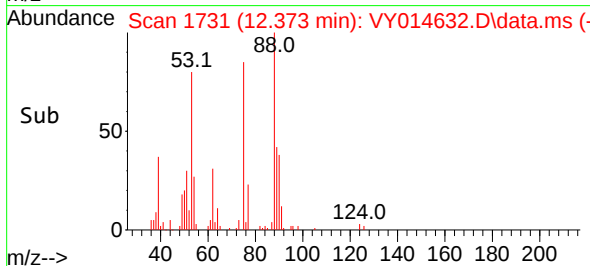
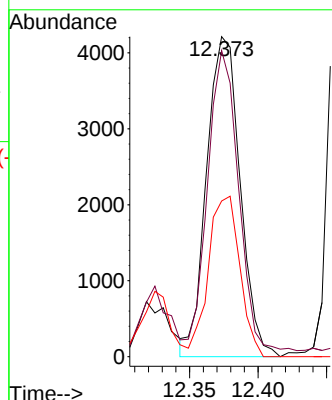
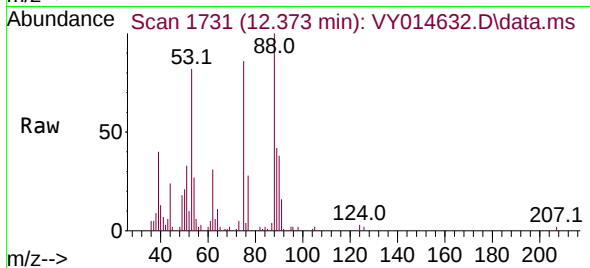
#81
trans-1,4-Dichloro-2-butene
Concen: 4.964 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

Tgt Ion: 75 Resp: 715
Ion Ratio Lower Upper
75 100
53 87.4 77.8 116.8
89 46.9 37.4 56.0

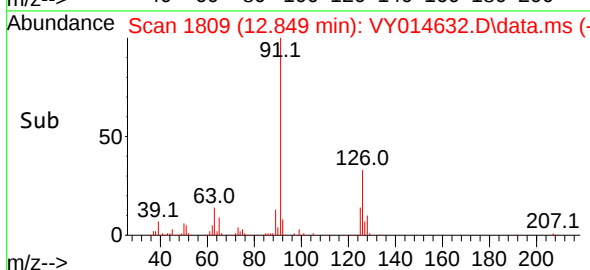
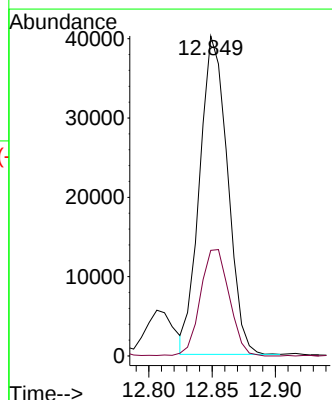
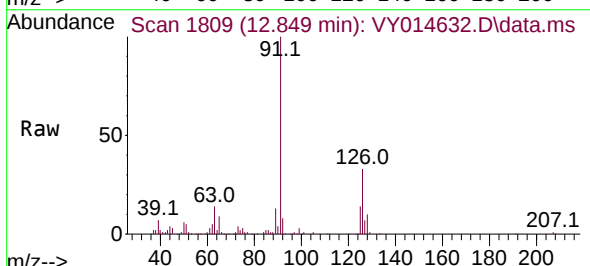
Manual Integrations
APPROVED

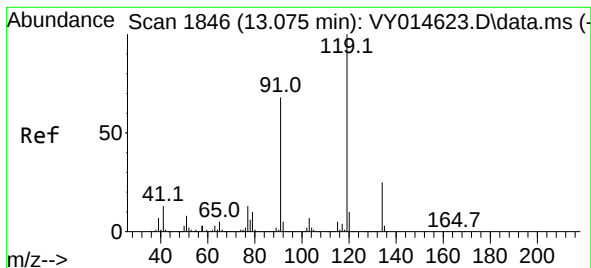
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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





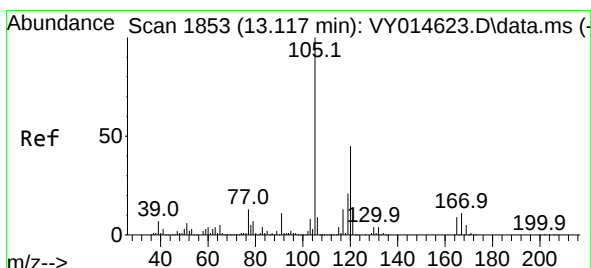
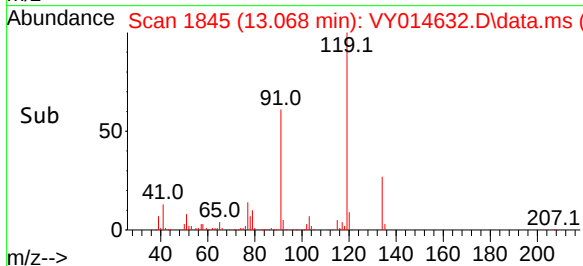
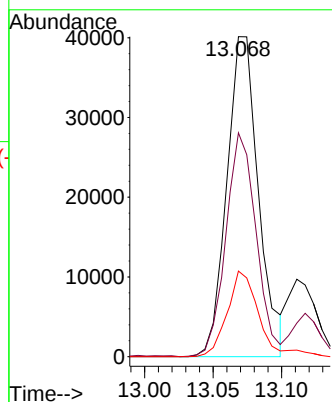
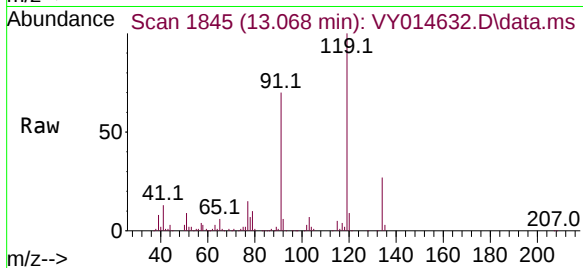
#83
tert-Butylbenzene
Concen: 5.053 ug/l
RT: 13.068 min Scan# 1845
Delta R.T. -0.007 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

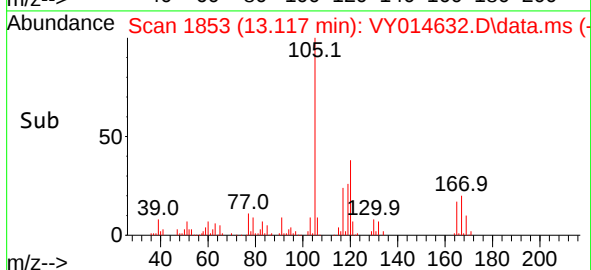
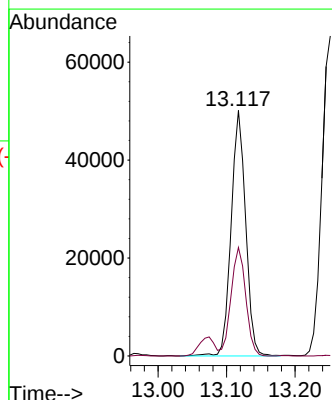
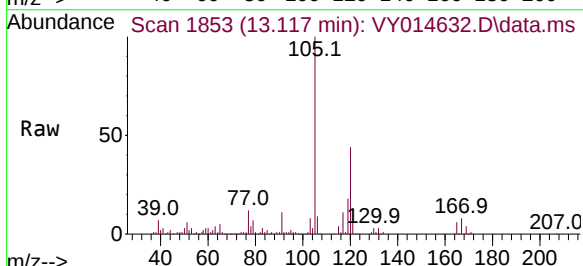
Manual Integrations
APPROVED

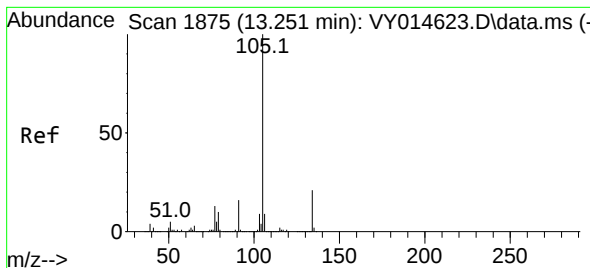
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

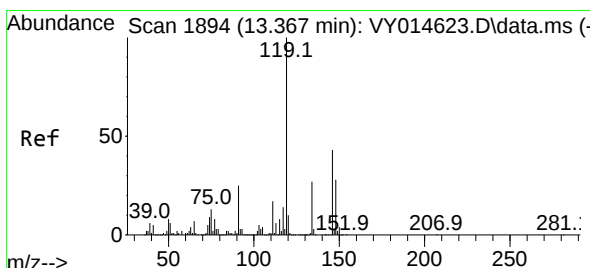
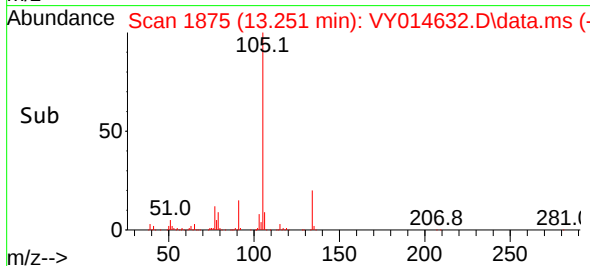
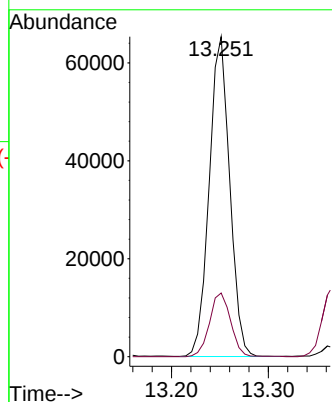
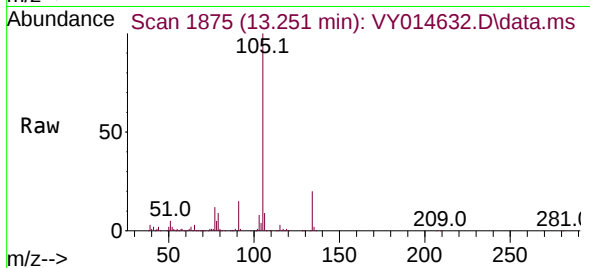
134 20.5 10.2 30.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#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

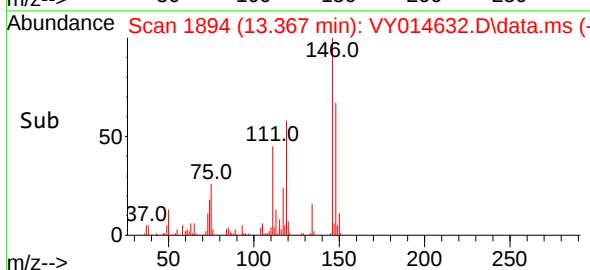
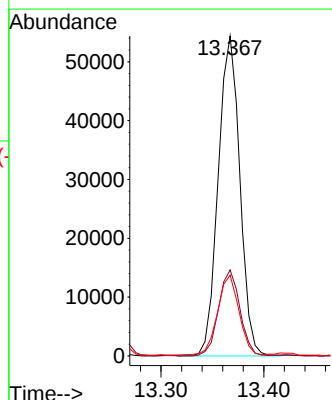
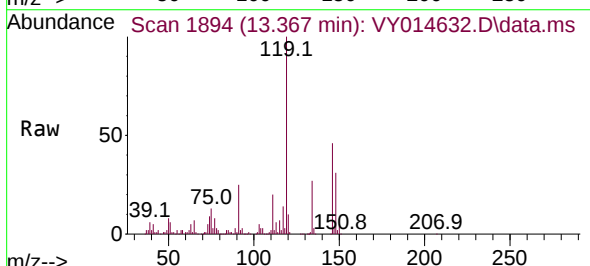
Tgt Ion:119 Resp: 79365

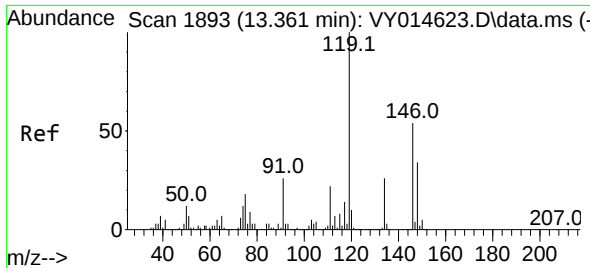
Ion Ratio Lower Upper

119 100

134 26.7 13.3 39.8

91 24.7 12.4 37.4





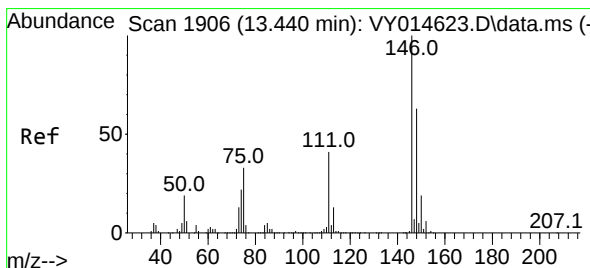
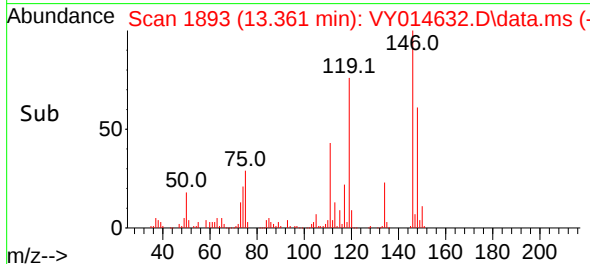
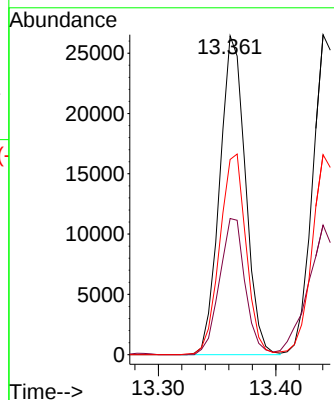
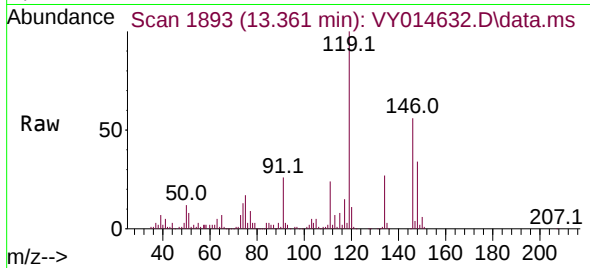
#87
1,3-Dichlorobenzene
Concen: 5.233 ug/l
RT: 13.361 min Scan# 1893
Delta R.T. 0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

Tgt Ion:146 Resp: 4021
Ion Ratio Lower Upper
146 100
111 42.6 19.4 58.2
148 64.4 31.9 95.5

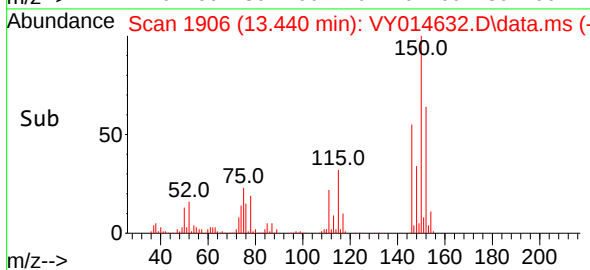
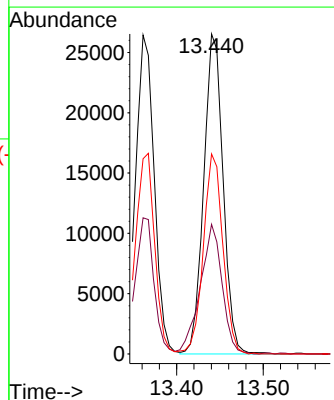
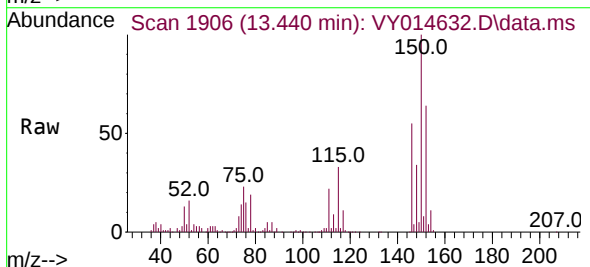
Manual Integrations
APPROVED

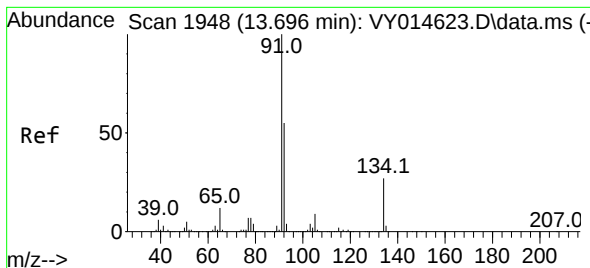
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

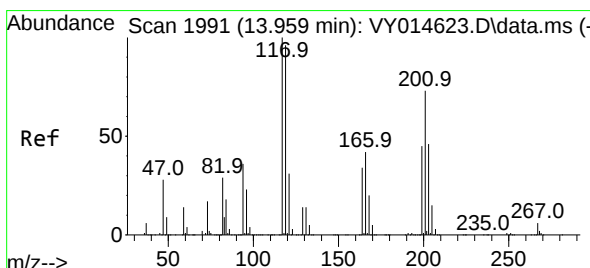
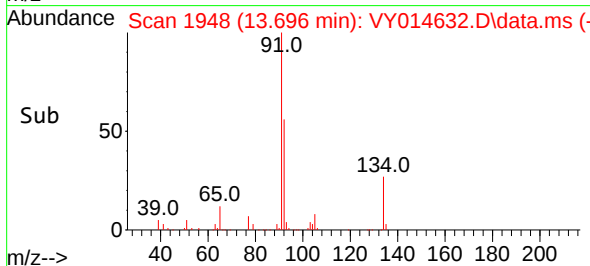
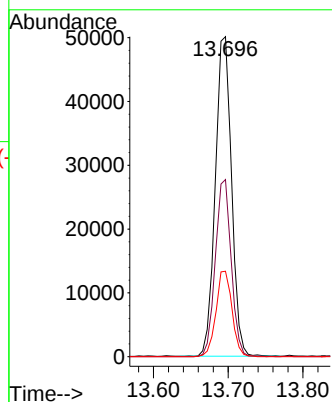
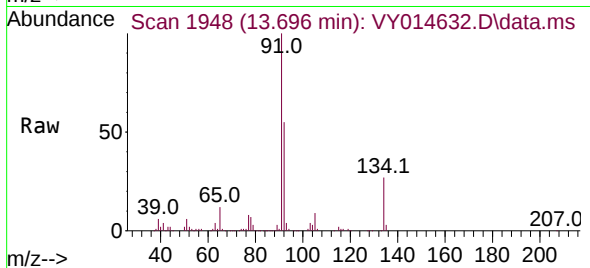
Tgt Ion:	91	Resp:	75619
Ion Ratio	Lower	Upper	
91	100		
92	54.2	25.4	76.0
134	26.4	12.6	37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#90

Hexachloroethane

Concen: 4.955 ug/l

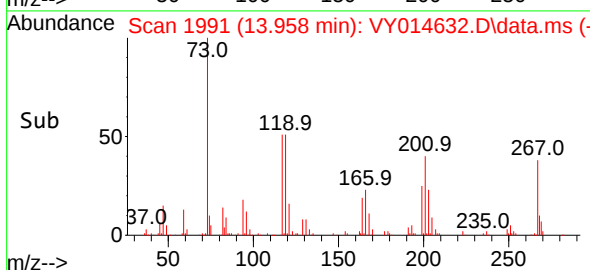
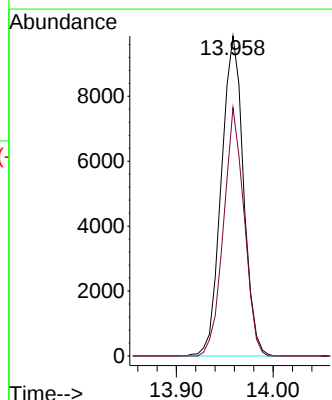
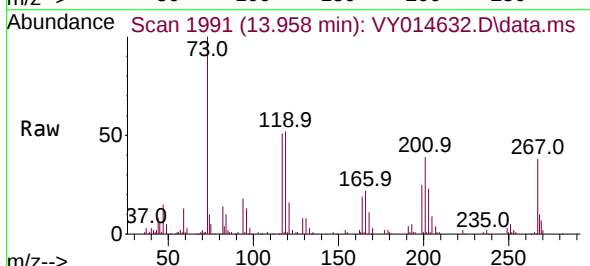
RT: 13.958 min Scan# 1991

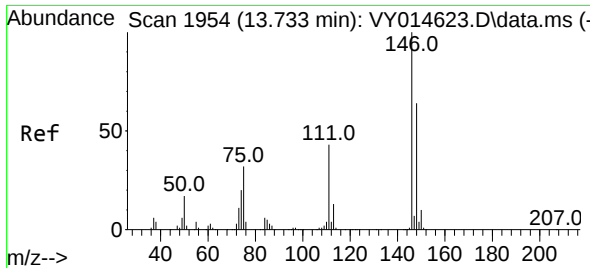
Delta R.T. -0.001 min

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





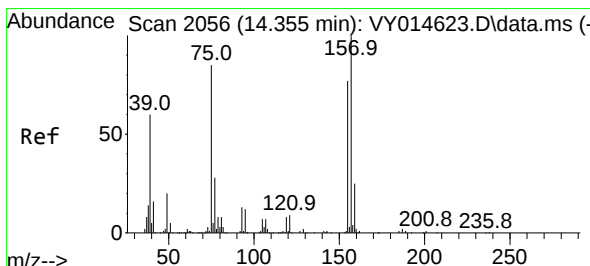
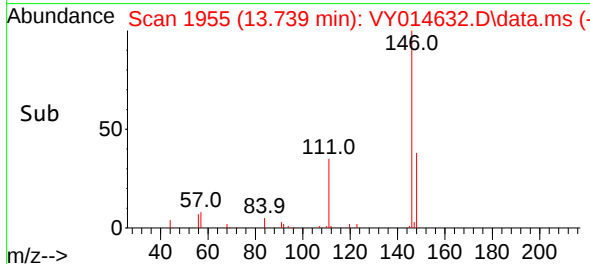
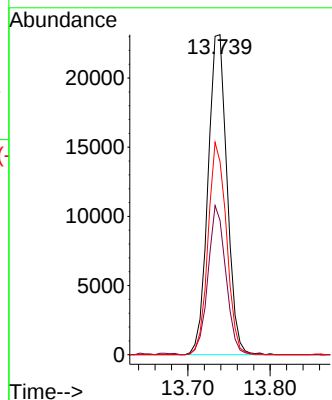
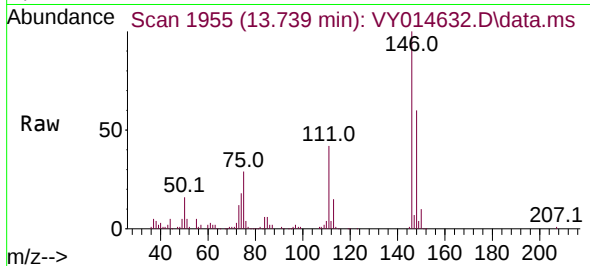
#91
1,2-Dichlorobenzene
Concen: 5.272 ug/l
RT: 13.739 min Scan# 1954
Delta R.T. 0.006 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

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

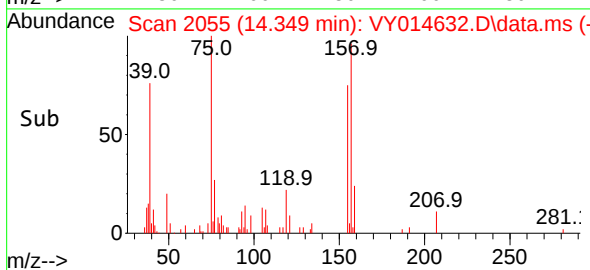
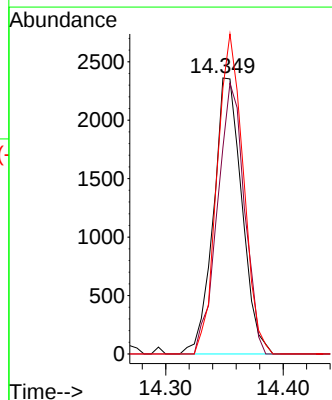
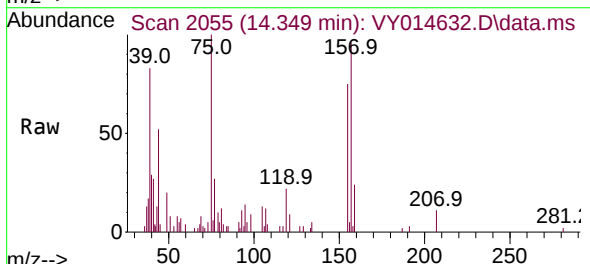
Manual Integrations
APPROVED

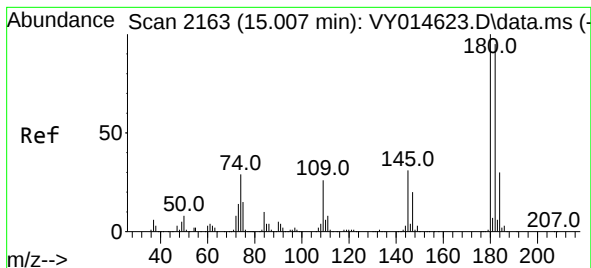
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

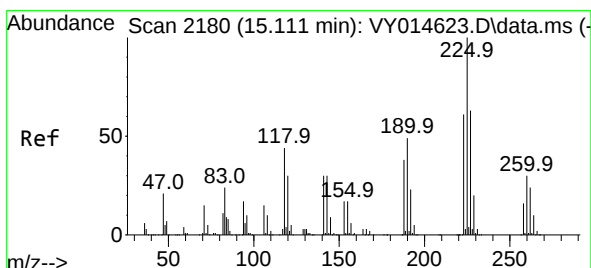
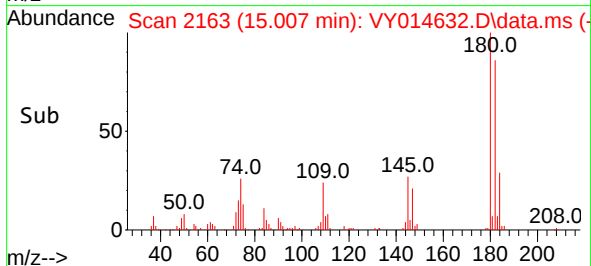
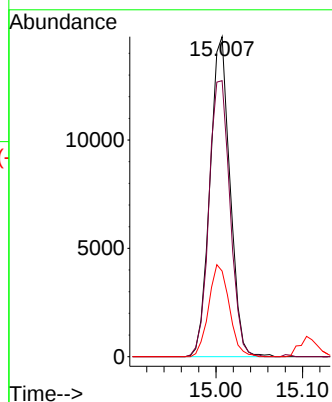
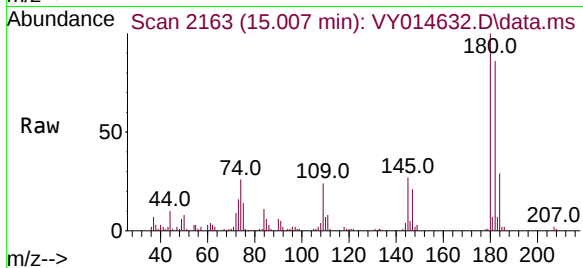
Tgt Ion:180	Resp:	2377
Ion Ratio	Lower	Upper
180	100	
182	90.7	47.0 141.2
145	29.5	14.5 43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#94

Hexachlorobutadiene

Concen: 5.216 ug/l

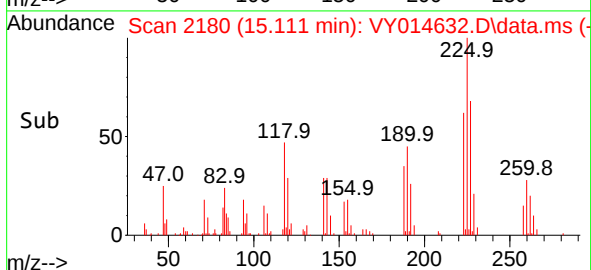
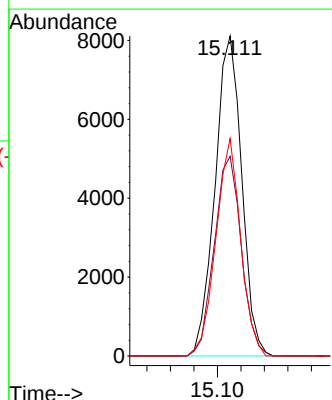
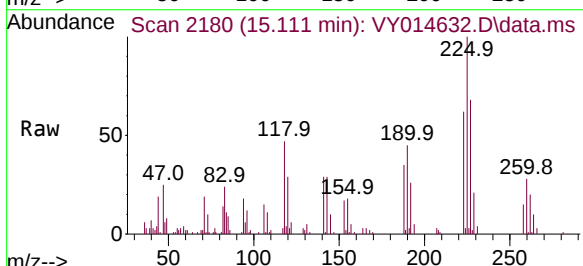
RT: 15.111 min Scan# 2180

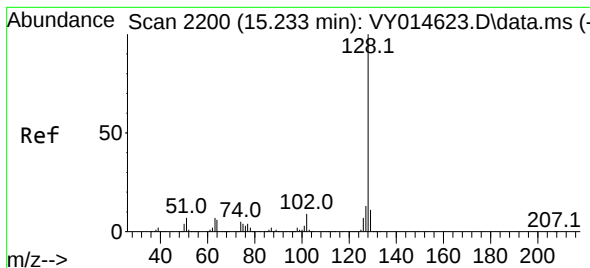
Delta R.T. -0.000 min

Lab File: VY014632.D

Acq: 13 Jul 2023 17:12

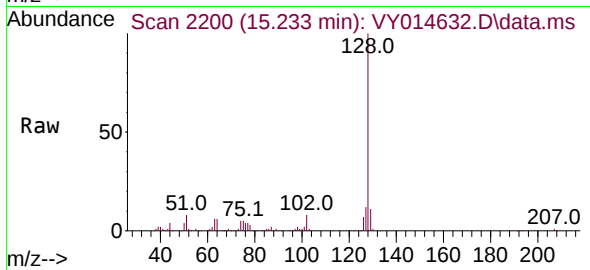
Tgt Ion:225	Resp:	12811
Ion Ratio	Lower	Upper
225	100	
223	63.2	31.9 95.9
227	63.1	33.0 98.9





#95
Naphthalene
Concen: 5.331 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014632.D
Acq: 13 Jul 2023 17:12

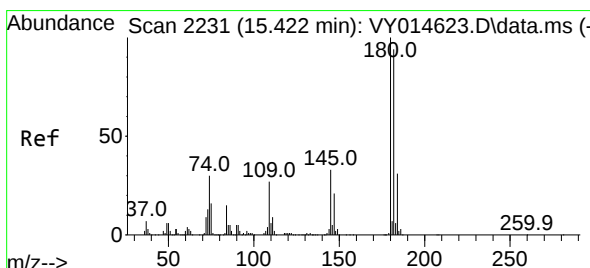
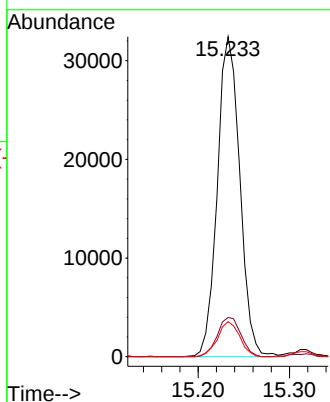
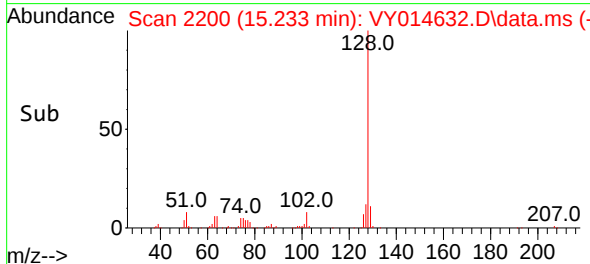
Instrument :
MSVOA_Y
ClientSampleId :
LOQ-SOIL-02-QT3-2023



Tgt Ion:128 Resp: 55500
Ion Ratio Lower Upper
128 100
127 12.9 10.8 16.2
129 10.8 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#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

