

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071423\
 Data File : VY014643.D
 Acq On : 14 Jul 2023 13:27
 Operator : SY/MD
 Sample : 03572-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Jul 15 02:22:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 15 02:20:17 2023
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Mahesh Dadoda 07/17/2023

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

Internal Standards						
1) Pentafluorobenzene	7.783	168	275584	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	466873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	408434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	198066	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	165495	52.699	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.400%	
35) Dibromofluoromethane	7.710	113	152955	51.465	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.940%	
50) Toluene-d8	10.179	98	541846	49.451	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.900%	
62) 4-Bromofluorobenzene	12.477	95	202106	48.105	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.200%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	9985	4.447	ug/l	89
3) Chloromethane	2.107	50	11876	4.706	ug/l	97
4) Vinyl Chloride	2.241	62	13208	4.683	ug/l	97
5) Bromomethane	2.631	94	10388	5.573	ug/l	97
6) Chloroethane	2.784	64	8600	4.881	ug/l	96
7) Trichlorofluoromethane	3.113	101	20076	4.238	ug/l	95
8) Diethyl Ether	3.521	74	7919	4.493	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.887	101	11981	4.126	ug/l	95
10) Methyl Iodide	4.082	142	9958	3.665	ug/l	96
11) Tert butyl alcohol	4.923	59	38768	56.084	ug/l	98
12) 1,1-Dichloroethene	3.863	96	11671	4.301	ug/l	83
13) Acrolein	3.722	56	4642	14.142	ug/l	91
14) Allyl chloride	4.466	41	20474	4.249	ug/l	97
15) Acrylonitrile	5.155	53	23750	24.435	ug/l	98
16) Acetone	3.942	43	23720	23.836	ug/l	# 88
17) Carbon Disulfide	4.186	76	29482	3.795	ug/l	96
18) Methyl Acetate	4.472	43	22984	6.018	ug/l	96
19) Methyl tert-butyl Ether	5.216	73	41185	4.672	ug/l	95
20) Methylene Chloride	4.710	84	25381	7.015	ug/l	90
21) trans-1,2-Dichloroethene	5.204	96	13160	4.273	ug/l	# 86
22) Diisopropyl ether	6.112	45	42243	4.312	ug/l	99
23) Vinyl Acetate	6.051	43	115905	19.771	ug/l	95
24) 1,1-Dichloroethane	6.009	63	23961	4.275	ug/l	97
25) 2-Butanone	6.978	43	37693	25.890	ug/l	100
26) 2,2-Dichloropropane	6.978	77	26062	4.878	ug/l	95
27) cis-1,2-Dichloroethene	6.978	96	15637	4.362	ug/l	95
28) Bromochloromethane	7.325	49	9554	3.958	ug/l	97
29) Tetrahydrofuran	7.344	42	23092	25.759	ug/l	92
30) Chloroform	7.496	83	25251	4.368	ug/l	96
31) Cyclohexane	7.783	56	24907	4.778	ug/l	# 66
32) 1,1,1-Trichloroethane	7.691	97	21976	4.224	ug/l	99
36) 1,1-Dichloropropene	7.911	75	18272	4.111	ug/l	96
37) Ethyl Acetate	7.069	43	14813	4.841	ug/l	# 91
38) Carbon Tetrachloride	7.899	117	19339	4.116	ug/l	99
39) Methylcyclohexane	9.179	83	22158	3.827	ug/l	97
40) Benzene	8.155	78	52724	4.171	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.313	41	6896m	4.381	ug/l	
42) 1,2-Dichloroethane	8.228	62	17674	4.415	ug/l	92
43) Isopropyl Acetate	8.270	43	26618	4.566	ug/l #	96
44) Trichloroethene	8.935	130	15258	4.314	ug/l	99
45) 1,2-Dichloropropane	9.209	63	13746	4.165	ug/l	99
46) Dibromomethane	9.301	93	8641	4.315	ug/l	97
47) Bromodichloromethane	9.490	83	20066	4.252	ug/l	93
48) Methyl methacrylate	9.289	41	11285	4.302	ug/l	91
49) 1,4-Dioxane	9.295	88	3230	98.926	ug/l #	45
51) 4-Methyl-2-Pentanone	10.069	43	70436	23.014	ug/l	94
52) Toluene	10.240	92	34573	4.274	ug/l	94
53) t-1,3-Dichloropropene	10.459	75	22216	4.304	ug/l	94
54) cis-1,3-Dichloropropene	9.923	75	23496	4.185	ug/l	97
55) 1,1,2-Trichloroethane	10.642	97	12879	4.617	ug/l	92
56) Ethyl methacrylate	10.508	69	19232	4.516	ug/l	89
57) 1,3-Dichloropropane	10.788	76	20498	4.261	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.776	63	44892	22.623	ug/l	92
59) 2-Hexanone	10.831	43	50308	22.540	ug/l	90
60) Dibromochloromethane	10.977	129	14425	4.218	ug/l	96
61) 1,2-Dibromoethane	11.087	107	11972	4.303	ug/l	98
64) Tetrachloroethene	10.715	164	14920	4.542	ug/l	94
65) Chlorobenzene	11.514	112	36993	4.250	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.587	131	14121	4.303	ug/l	95
67) Ethyl Benzene	11.587	91	66784	4.250	ug/l	99
68) m/p-Xylenes	11.697	106	51267	8.546	ug/l	96
69) o-Xylene	12.026	106	24995	4.278	ug/l	99
70) Styrene	12.038	104	42465	4.312	ug/l	97
71) Bromoform	12.203	173	9800	4.406	ug/l #	98
73) Isopropylbenzene	12.325	105	63930	4.122	ug/l	99
74) N-amyl acetate	12.142	43	22931	4.415	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.575	83	15408	4.357	ug/l	91
76) 1,2,3-Trichloropropane	12.629	75	11649m	4.657	ug/l	
77) Bromobenzene	12.605	156	15539	4.389	ug/l	92
78) n-propylbenzene	12.666	91	76243	4.080	ug/l	98
79) 2-Chlorotoluene	12.751	91	44626	4.146	ug/l	100
80) 1,3,5-Trimethylbenzene	12.812	105	54965	4.244	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.373	75	5698	4.410	ug/l	92
82) 4-Chlorotoluene	12.849	91	46142	4.162	ug/l	100
83) tert-Butylbenzene	13.068	119	47750	4.156	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	54765	4.309	ug/l	98
85) sec-Butylbenzene	13.251	105	68865	4.086	ug/l	98
86) p-Isopropyltoluene	13.367	119	57574	4.184	ug/l	99
87) 1,3-Dichlorobenzene	13.361	146	30474	4.423	ug/l	97
88) 1,4-Dichlorobenzene	13.440	146	30773	4.457	ug/l	93
89) n-Butylbenzene	13.696	91	53994	4.033	ug/l	98
90) Hexachloroethane	13.958	117	11815	4.180	ug/l	85
91) 1,2-Dichlorobenzene	13.733	146	28312	4.485	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.355	75	3181	4.703	ug/l	92
93) 1,2,4-Trichlorobenzene	15.007	180	17188	4.289	ug/l	98
94) Hexachlorobutadiene	15.111	225	8913	4.048	ug/l	99
95) Naphthalene	15.233	128	41844	4.482	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	15604	4.382	ug/l	98

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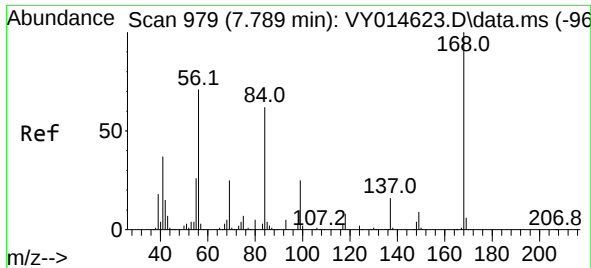
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Sat Jul 15 02:20:17 2023
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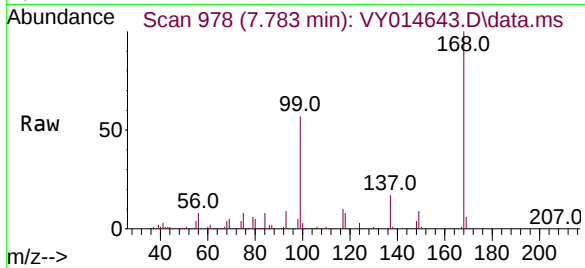
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
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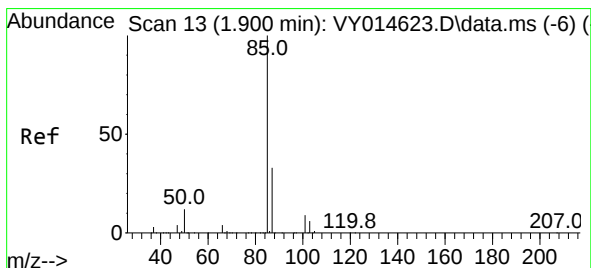
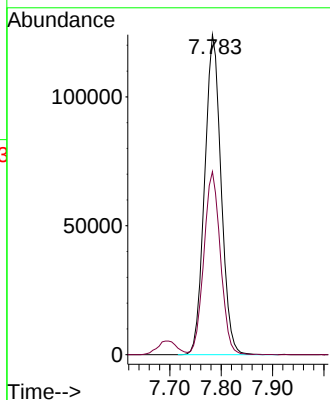
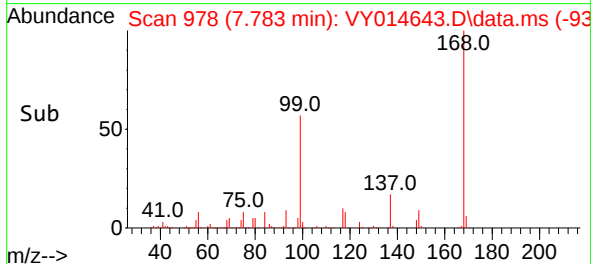
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:168 Resp: 275584
Ion Ratio Lower Upper
168 100
99 57.2 43.4 65.0

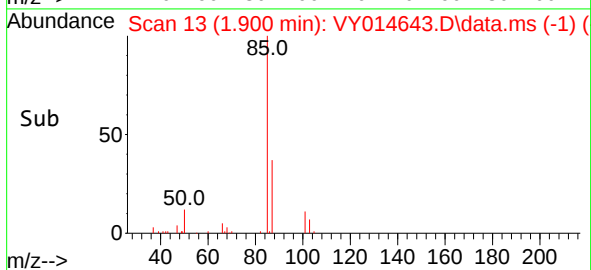
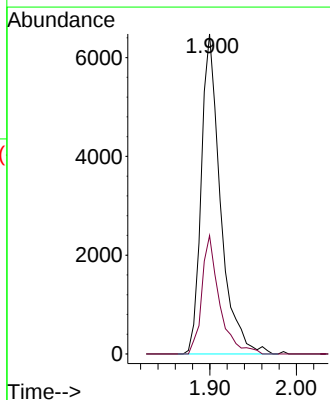
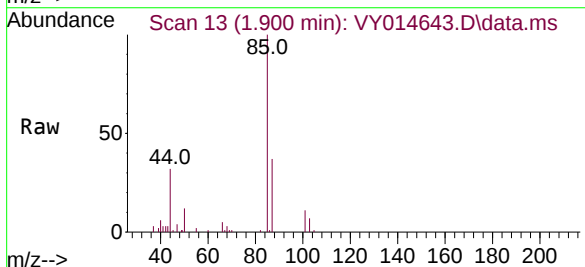
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#2
Dichlorodifluoromethane
Concen: 4.447 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

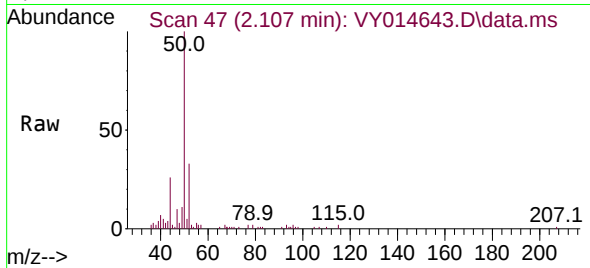
Tgt Ion: 85 Resp: 9985
Ion Ratio Lower Upper
85 100
87 37.0 15.6 46.8





#3
Chloromethane
Concen: 4.706 ug/l
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

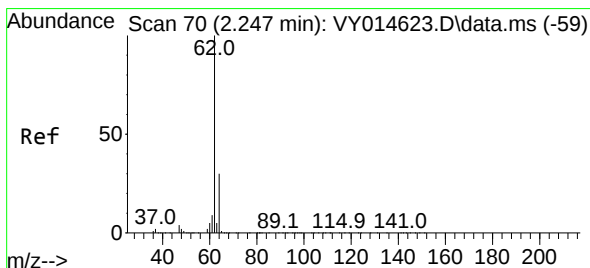
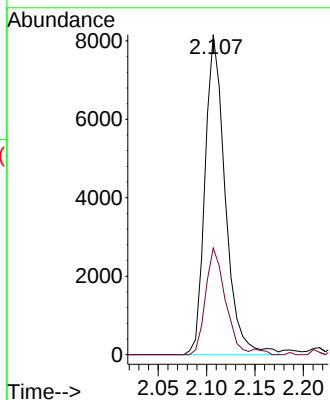
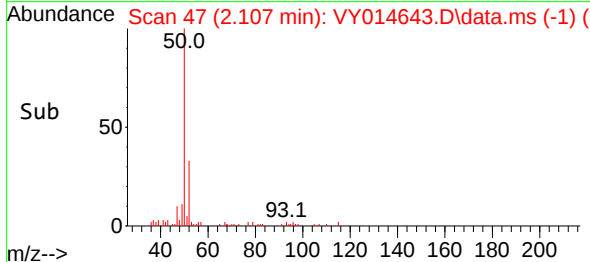
Instrument :
MSVOA_Y
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Tgt Ion: 50 Resp: 11870
Ion Ratio Lower Upper
50 100
52 33.4 25.4 38.2

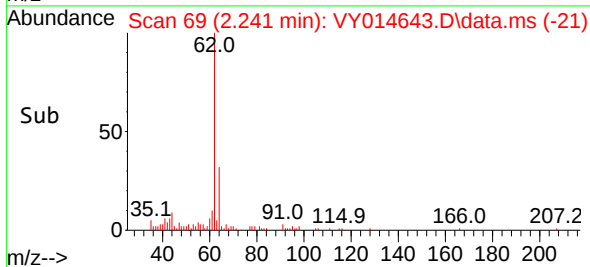
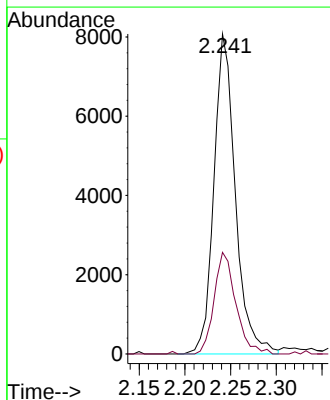
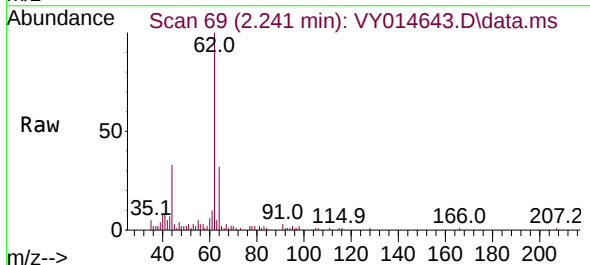
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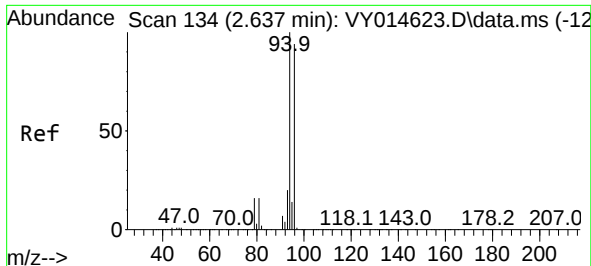
Reviewed By :John Carlone 07/17/2023
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#4
Vinyl Chloride
Concen: 4.683 ug/l
RT: 2.241 min Scan# 69
Delta R.T. -0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

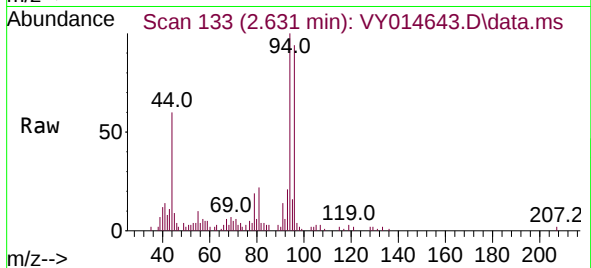
Tgt Ion: 62 Resp: 13208
Ion Ratio Lower Upper
62 100
64 31.8 24.3 36.5





#5
Bromomethane
Concen: 5.573 ug/l
RT: 2.631 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

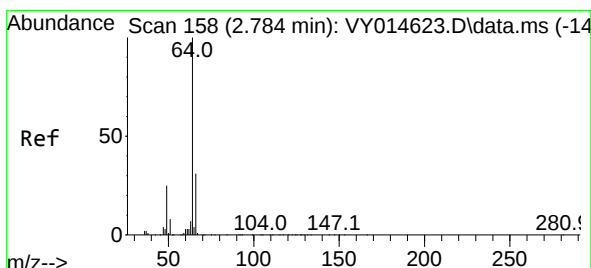
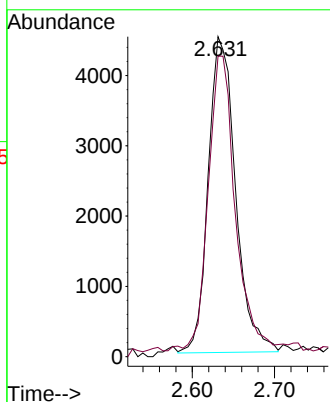
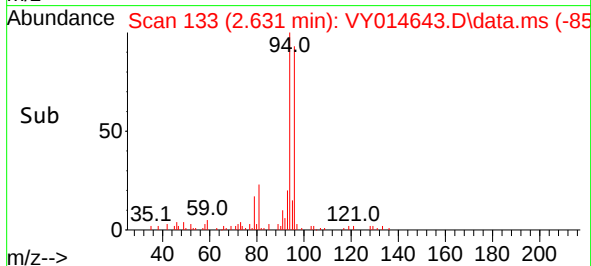
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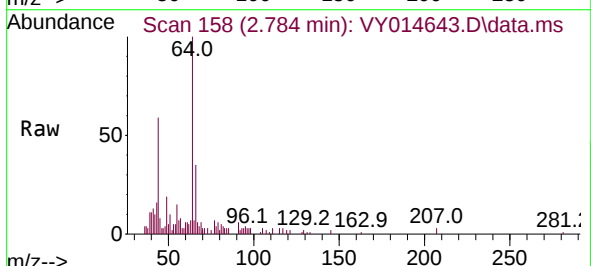
Tgt Ion: 94 Resp: 1038
Ion Ratio Lower Upper
94 100
96 92.1 75.8 113.6

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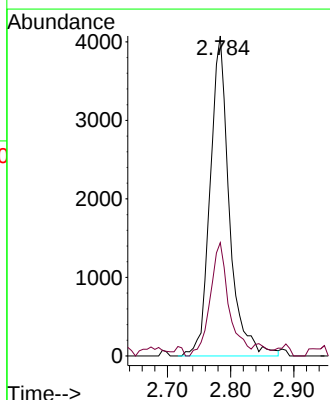
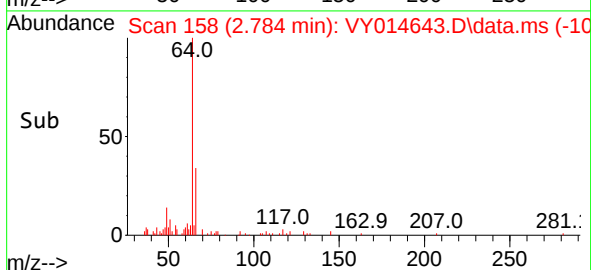
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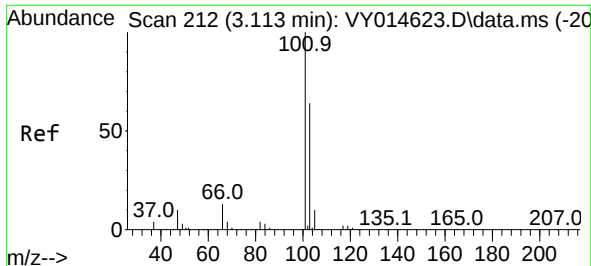


#6
Chloroethane
Concen: 4.881 ug/l
RT: 2.784 min Scan# 158
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27



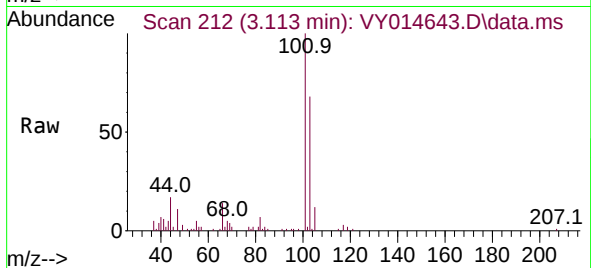
Tgt Ion: 64 Resp: 8600
Ion Ratio Lower Upper
64 100
66 32.9 24.4 36.6





#7
 Trichlorofluoromethane
 Concen: 4.238 ug/l
 RT: 3.113 min Scan# 212
 Delta R.T. -0.000 min
 Lab File: VY014643.D
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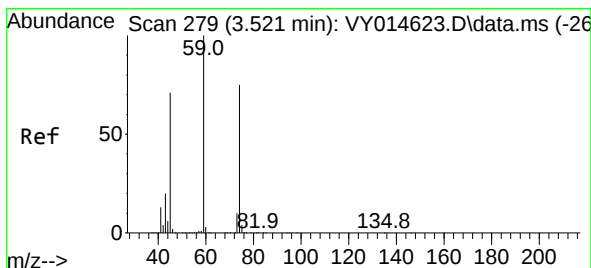
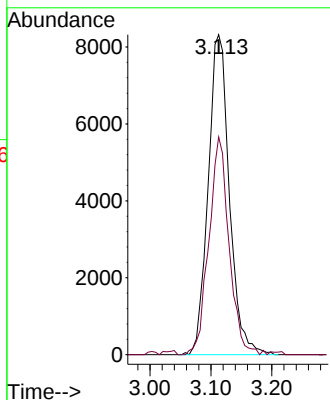
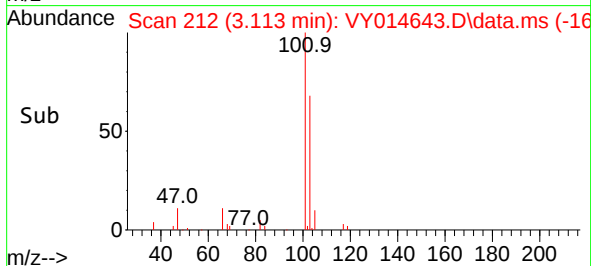
Instrument : MSVOA_Y
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 LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:101 Resp: 20070
 Ion Ratio Lower Upper
 101 100
 103 68.0 51.4 77.0

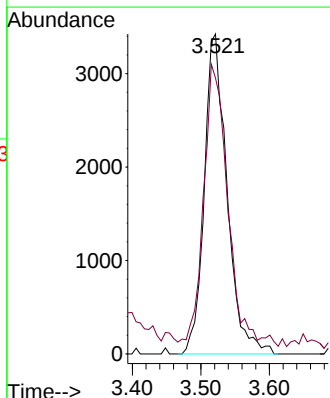
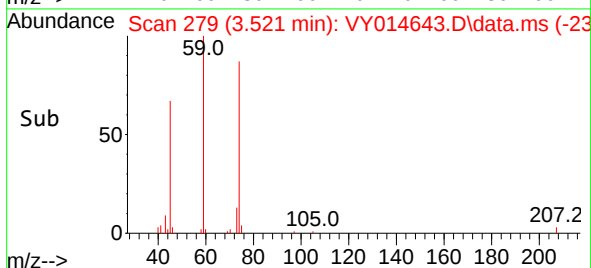
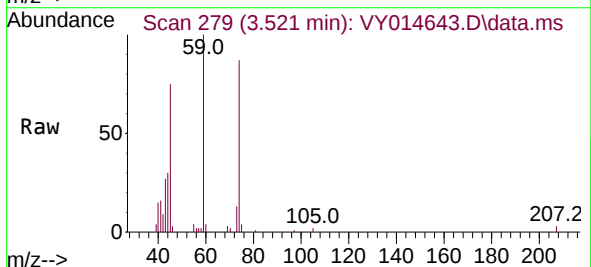
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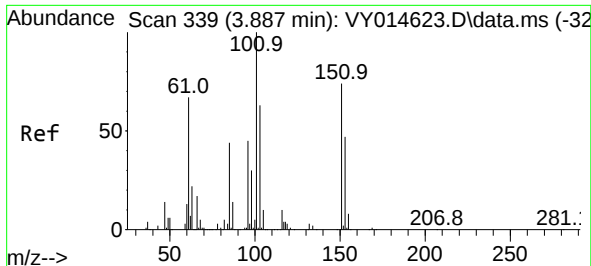
Reviewed By :John Carlone 07/17/2023
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#8
 Diethyl Ether
 Concen: 4.493 ug/l
 RT: 3.521 min Scan# 279
 Delta R.T. 0.000 min
 Lab File: VY014643.D
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Tgt Ion: 74 Resp: 7919
 Ion Ratio Lower Upper
 74 100
 45 88.8 51.5 154.5





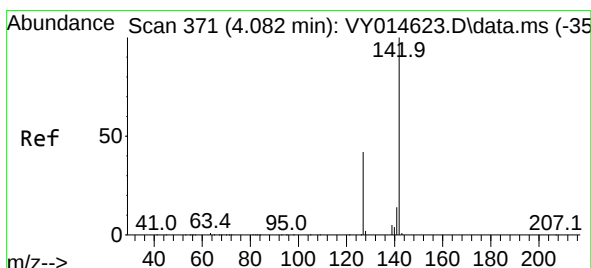
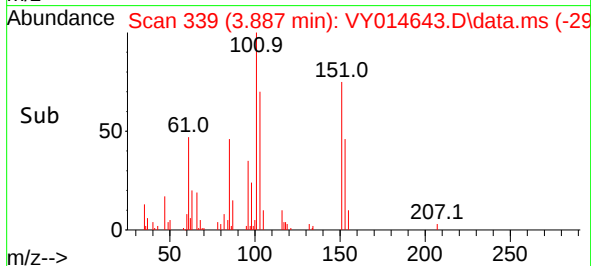
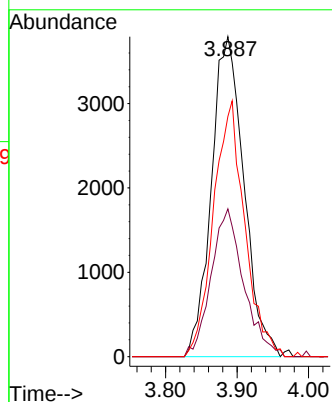
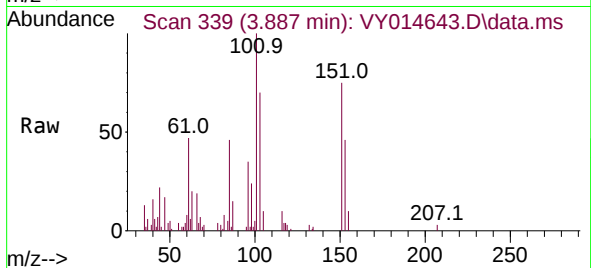
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.126 ug/l
RT: 3.887 min Scan# 339
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

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

Tgt Ion:101 Resp: 1198
Ion Ratio Lower Upper
101 100
85 46.3 36.6 55.0
151 76.6 67.0 100.6

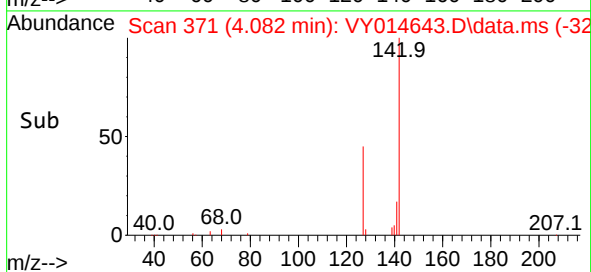
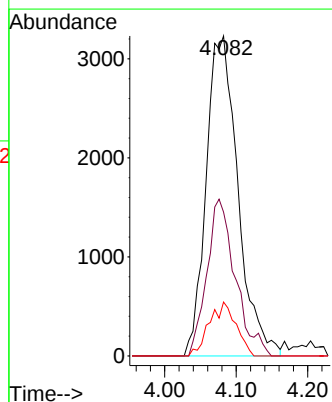
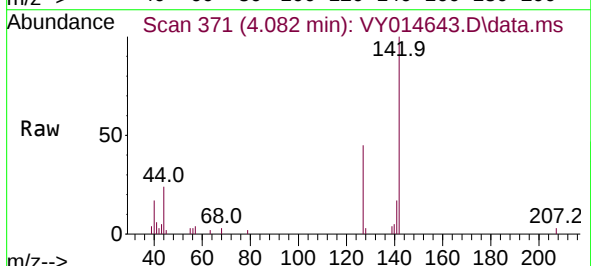
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#10
Methyl Iodide
Concen: 3.665 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion:142 Resp: 9958
Ion Ratio Lower Upper
142 100
127 43.8 37.6 56.4
141 14.2 11.8 17.8





#11

Tert butyl alcohol

Concen: 56.084 ug/l

RT: 4.923 min Scan# 509

Delta R.T. -0.025 min

Lab File: VY014643.D

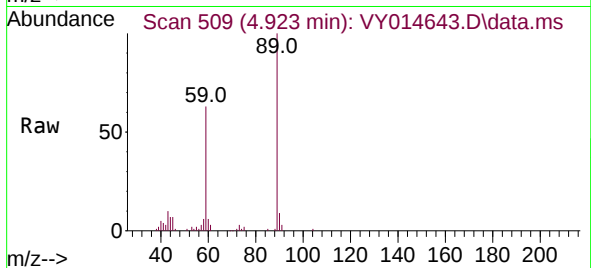
Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 59 Resp: 3876

Ion Ratio Lower Upper

59 100

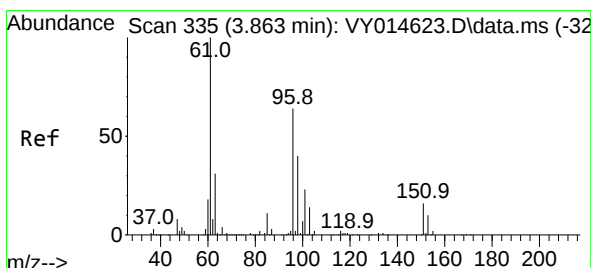
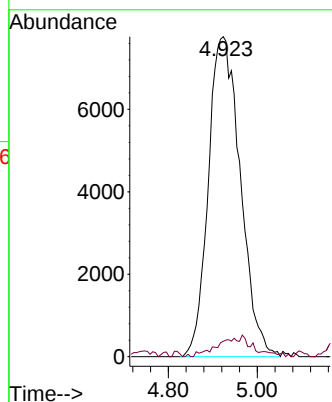
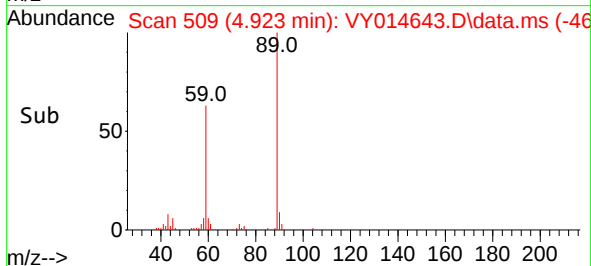
57 3.1 3.0 4.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#12

1,1-Dichloroethene

Concen: 4.301 ug/l

RT: 3.863 min Scan# 335

Delta R.T. -0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

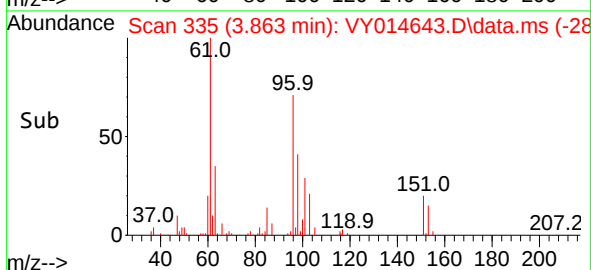
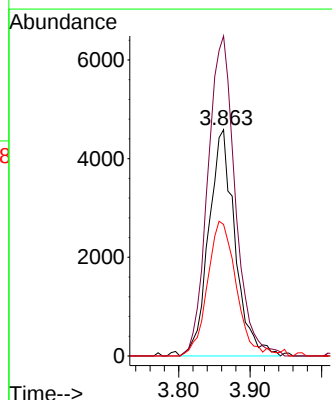
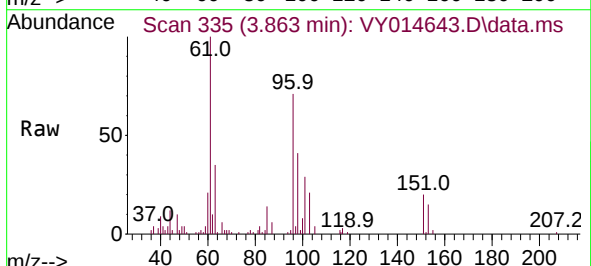
Tgt Ion: 96 Resp: 11671

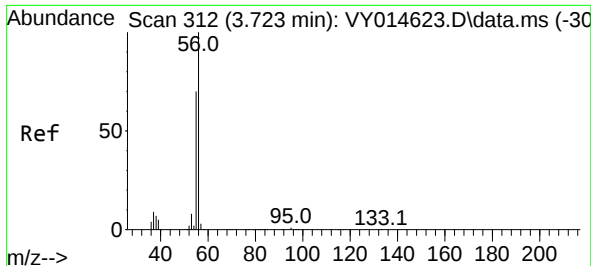
Ion Ratio Lower Upper

96 100

61 141.4 136.4 204.6

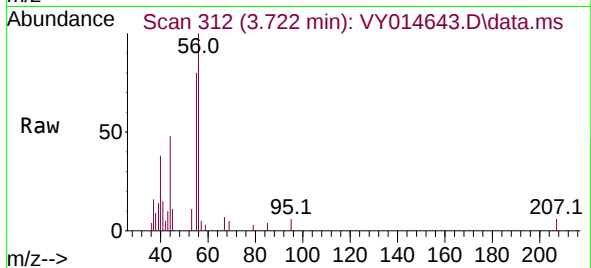
98 58.1 49.4 74.2





#13
Acrolein
Concen: 14.142 ug/l
RT: 3.722 min Scan# 312
Delta R.T. -0.001 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

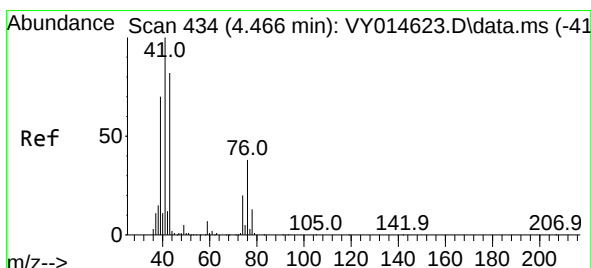
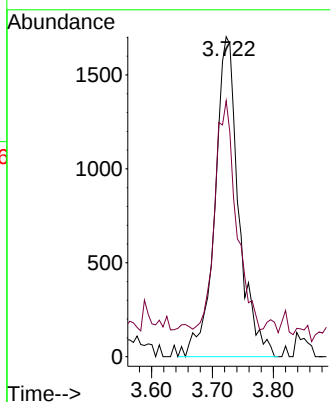
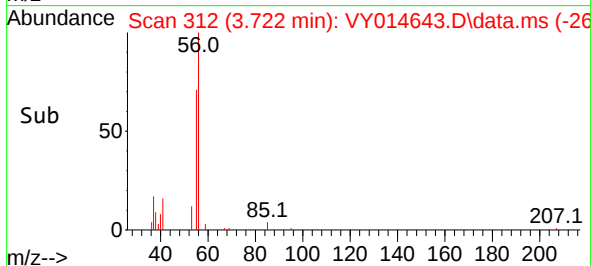
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 56 Resp: 4642
Ion Ratio Lower Upper
56 100
55 64.1 57.0 85.4

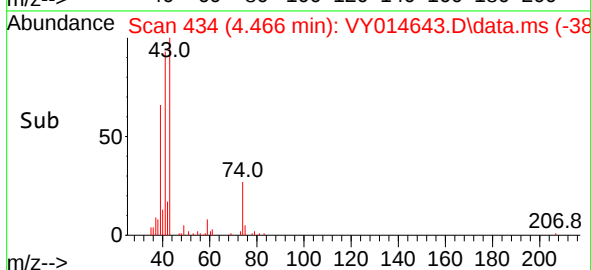
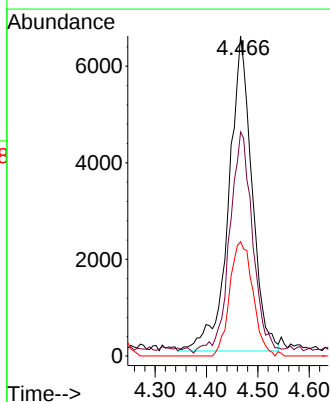
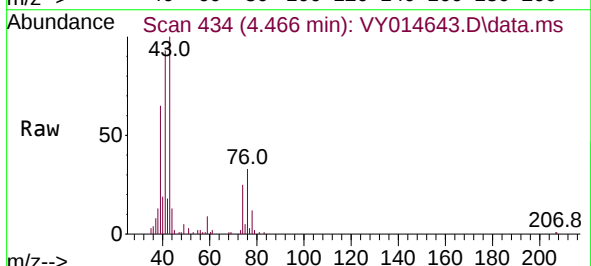
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#14
Allyl chloride
Concen: 4.249 ug/l
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

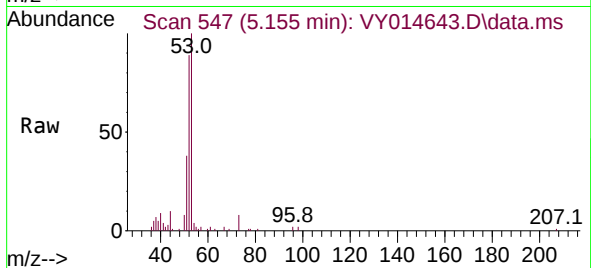
Tgt Ion: 41 Resp: 20474
Ion Ratio Lower Upper
41 100
39 69.7 58.0 87.0
76 36.0 27.4 41.2





#15
Acrylonitrile
Concen: 24.435 ug/l
RT: 5.155 min Scan# 547
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

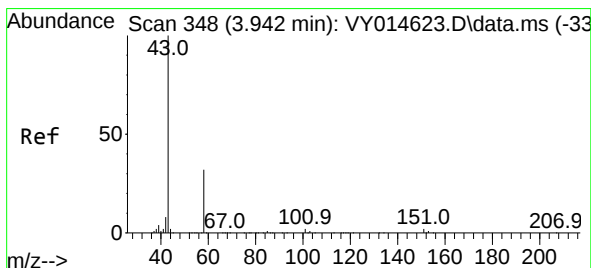
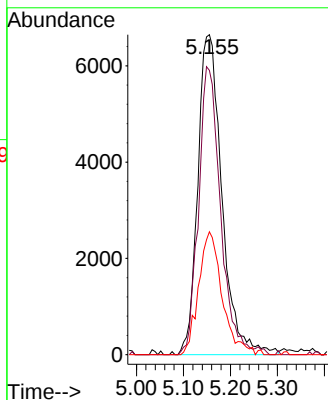
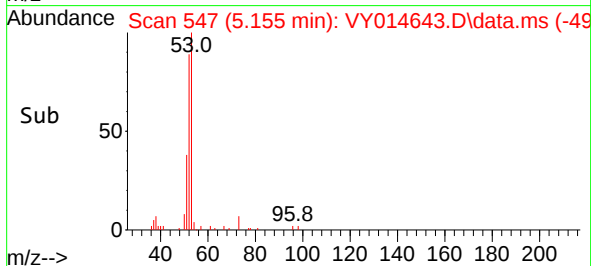
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



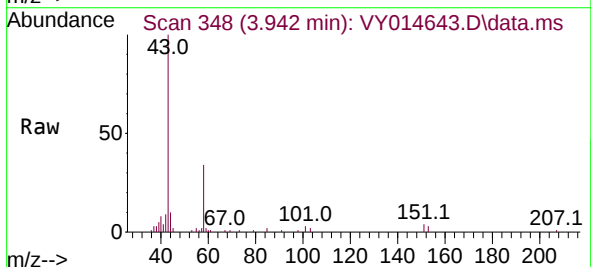
Tgt Ion: 53 Resp: 23750
Ion Ratio Lower Upper
53 100
52 81.4 66.9 100.3
51 37.3 29.8 44.6

Manual Integrations
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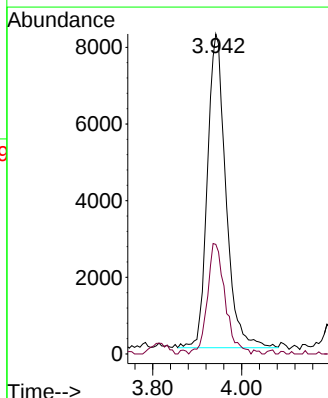
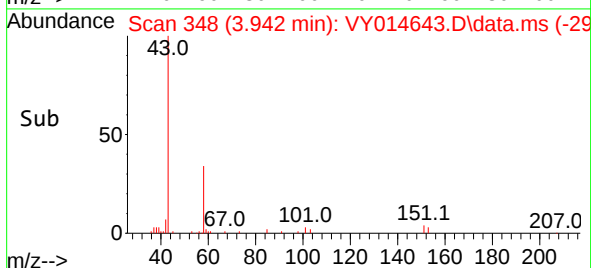
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#16
Acetone
Concen: 23.836 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27



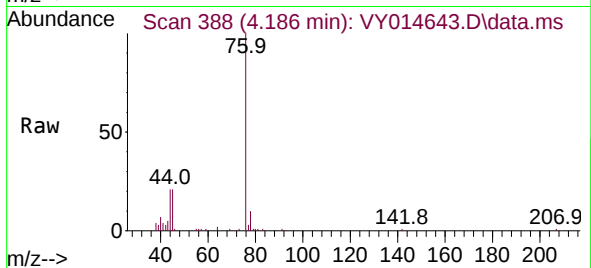
Tgt Ion: 43 Resp: 23720
Ion Ratio Lower Upper
43 100
58 34.9 22.7 34.1#





#17
Carbon Disulfide
Concen: 3.795 ug/l
RT: 4.186 min Scan# 388
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

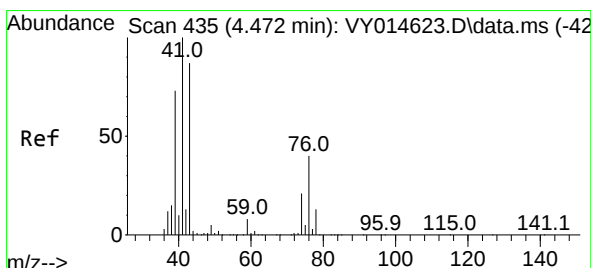
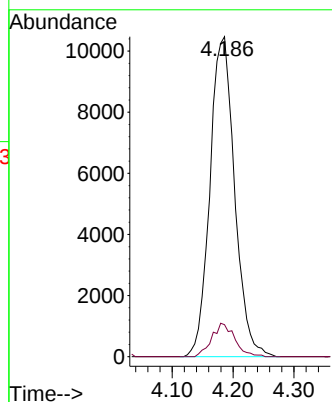
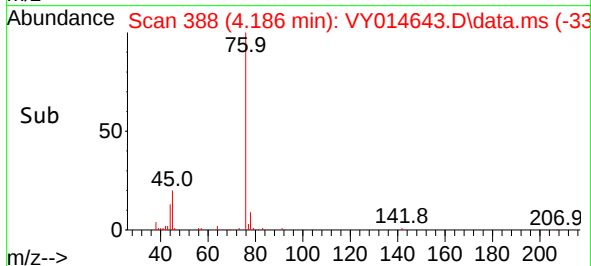
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 76 Resp: 2948
Ion Ratio Lower Upper
76 100
78 10.0 7.0 10.4

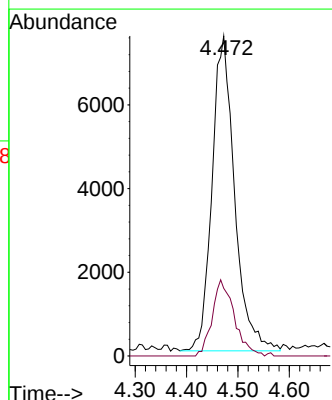
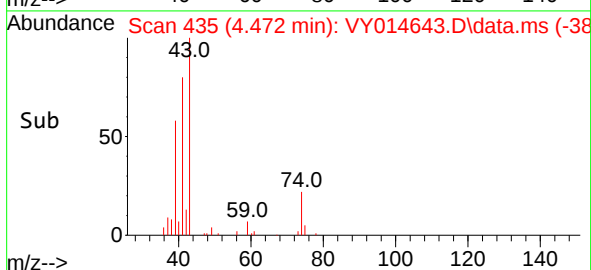
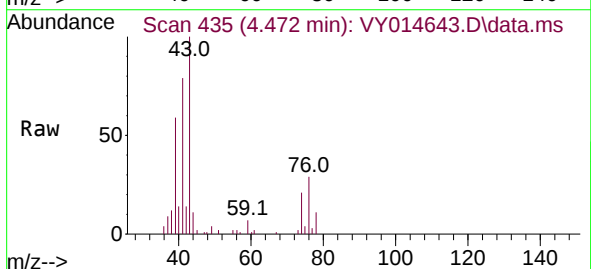
Manual Integrations
APPROVED

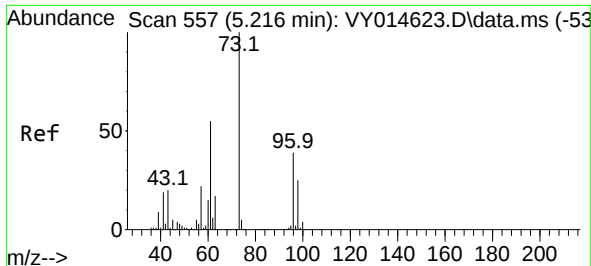
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#18
Methyl Acetate
Concen: 6.018 ug/l
RT: 4.472 min Scan# 435
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

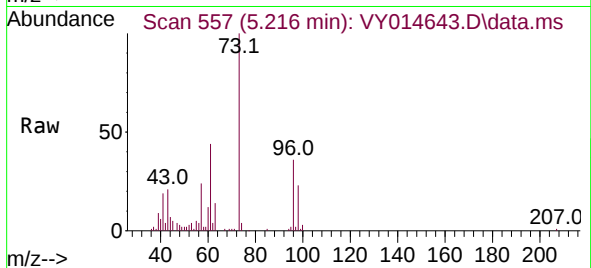
Tgt Ion: 43 Resp: 22984
Ion Ratio Lower Upper
43 100
74 23.5 17.4 26.0





#19
Methyl tert-butyl Ether
Concen: 4.672 ug/l
RT: 5.216 min Scan# 511
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

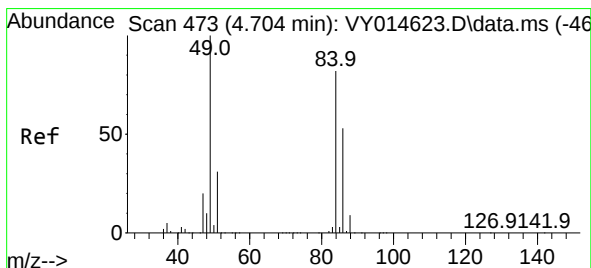
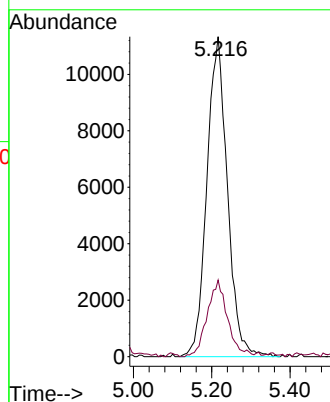
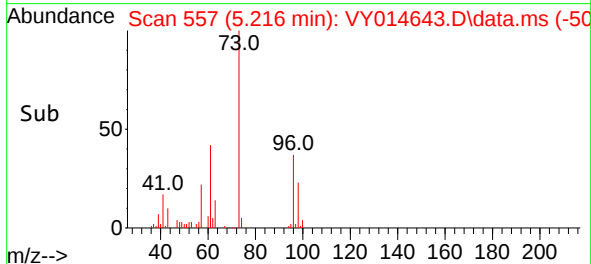
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 73 Resp: 4118
Ion Ratio Lower Upper
73 100
57 24.0 17.3 25.9

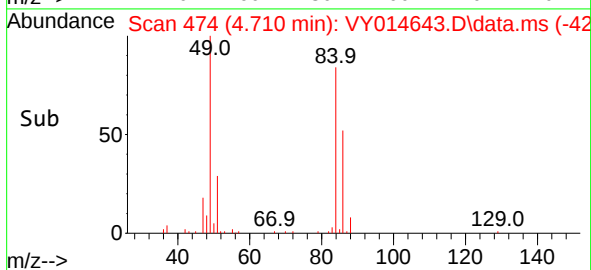
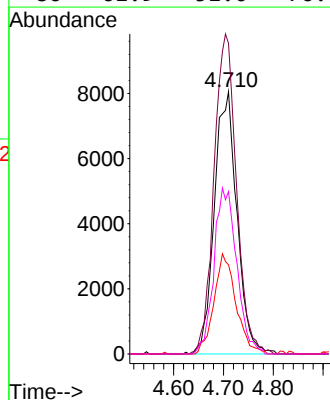
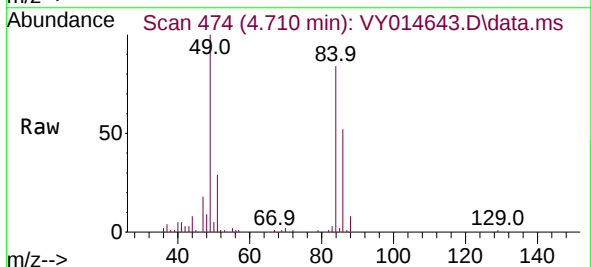
Manual Integrations
APPROVED

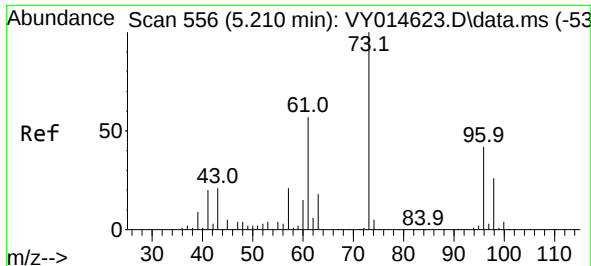
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#20
Methylene Chloride
Concen: 7.015 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

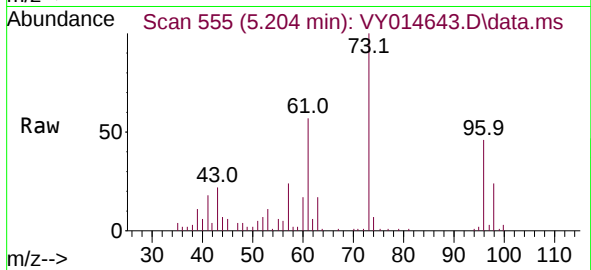
Tgt Ion: 84 Resp: 25381
Ion Ratio Lower Upper
84 100
49 118.4 106.9 160.3
51 34.0 33.2 49.8
86 61.9 51.0 76.6





#21
trans-1,2-Dichloroethene
Concen: 4.273 ug/l
RT: 5.204 min Scan# 511
Delta R.T. -0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

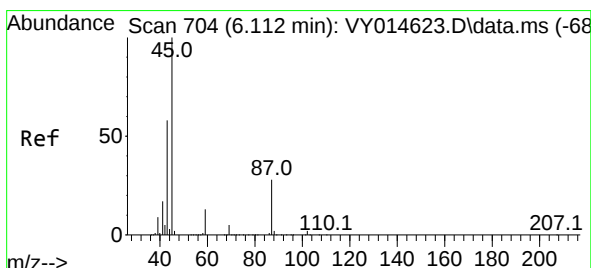
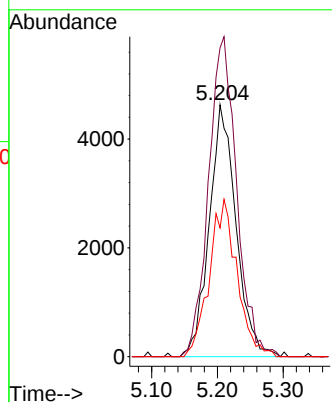
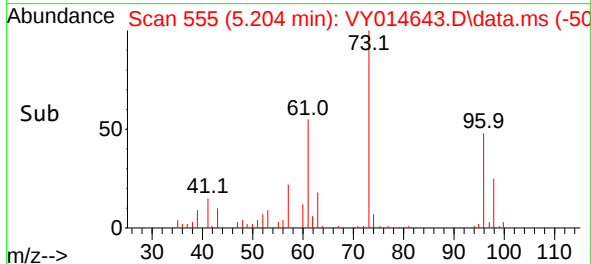
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 96 Resp: 13160
Ion Ratio Lower Upper
96 100
61 122.6 110.2 165.4
98 51.1 51.8 77.6

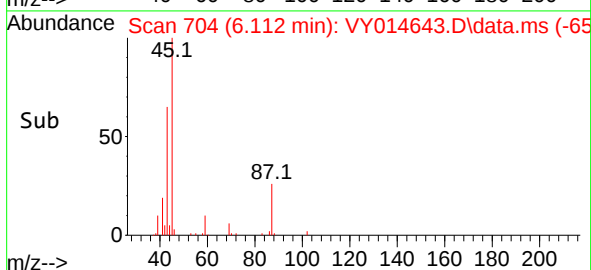
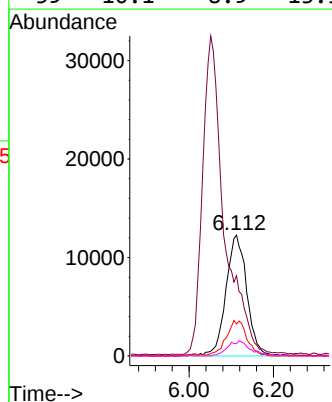
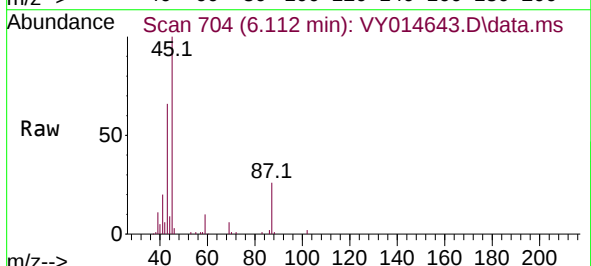
Manual Integrations
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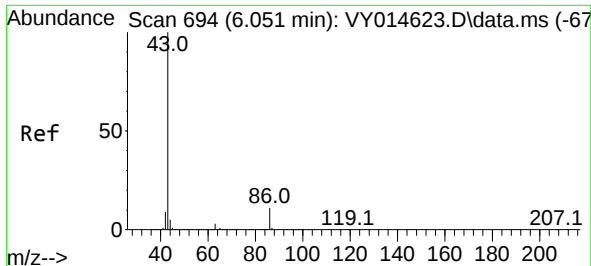
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#22
Diisopropyl ether
Concen: 4.312 ug/l
RT: 6.112 min Scan# 704
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

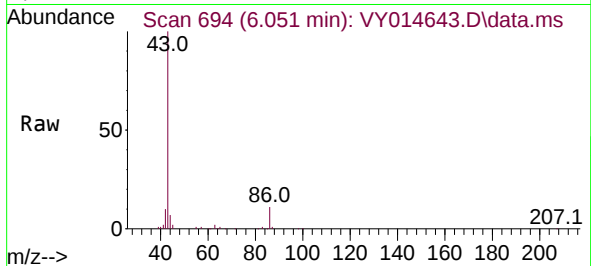
Tgt Ion: 45 Resp: 42243
Ion Ratio Lower Upper
45 100
43 65.0 52.2 78.4
87 26.5 21.0 31.6
59 10.1 8.9 13.3





#23
 Vinyl Acetate
 Concen: 19.771 ug/l
 RT: 6.051 min Scan# 694
 Delta R.T. 0.000 min
 Lab File: VY014643.D
 Acq: 14 Jul 2023 13:27

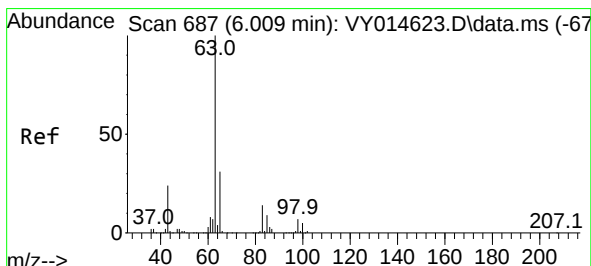
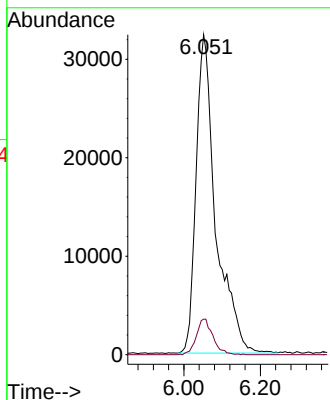
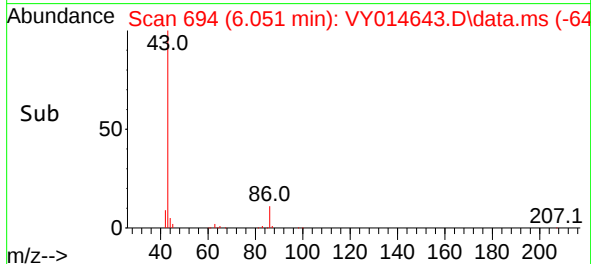
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023



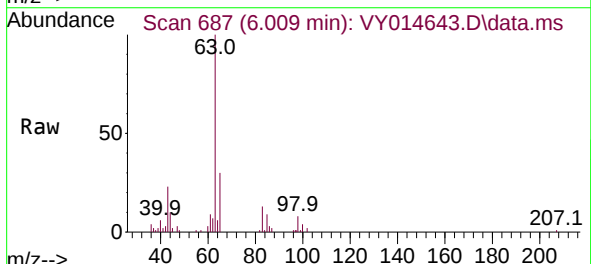
Tgt Ion: 43 Resp: 11590
 Ion Ratio Lower Upper
 43 100
 86 11.2 7.5 11.3

Manual Integrations
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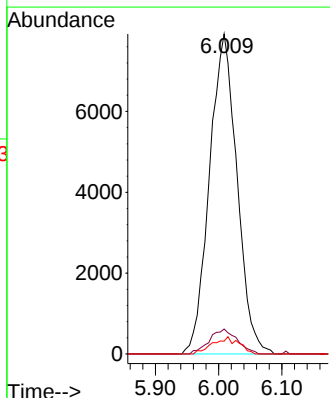
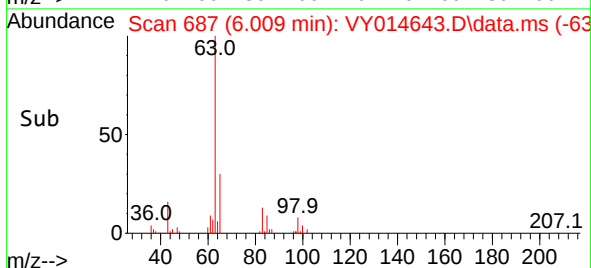
Reviewed By :John Carlone 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#24
 1,1-Dichloroethane
 Concen: 4.275 ug/l
 RT: 6.009 min Scan# 687
 Delta R.T. -0.000 min
 Lab File: VY014643.D
 Acq: 14 Jul 2023 13:27



Tgt Ion: 63 Resp: 23961
 Ion Ratio Lower Upper
 63 100
 98 7.8 3.1 9.4
 100 4.0 1.8 5.5





#25

2-Butanone

Concen: 25.890 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 43 Resp: 3769

Ion Ratio Lower Upper

43 100

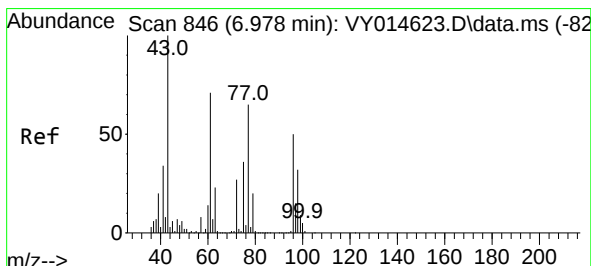
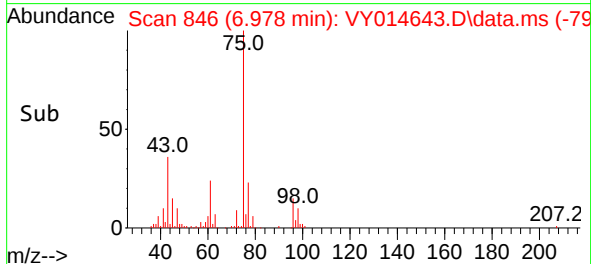
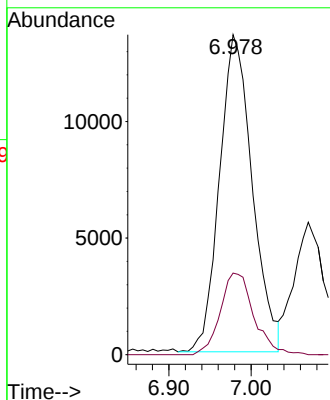
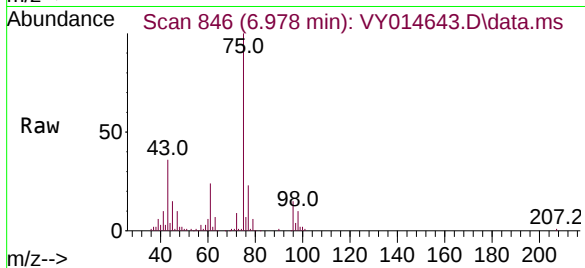
72 25.7 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#26

2,2-Dichloropropane

Concen: 4.878 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY014643.D

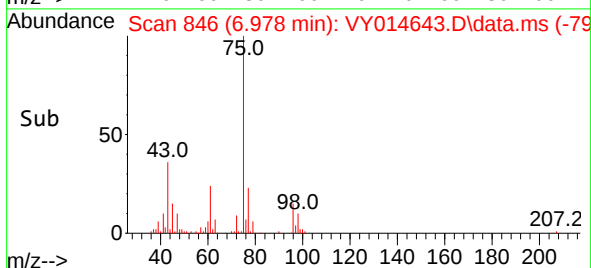
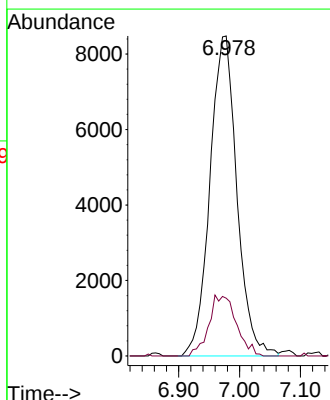
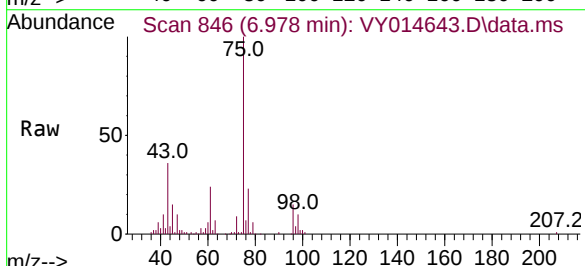
Acq: 14 Jul 2023 13:27

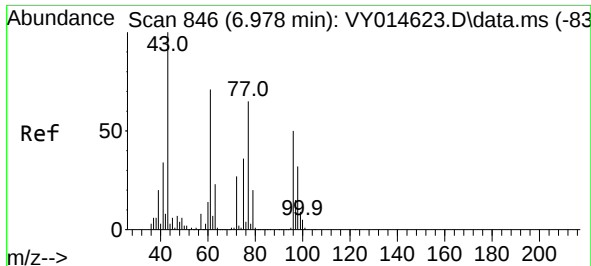
Tgt Ion: 77 Resp: 26062

Ion Ratio Lower Upper

77 100

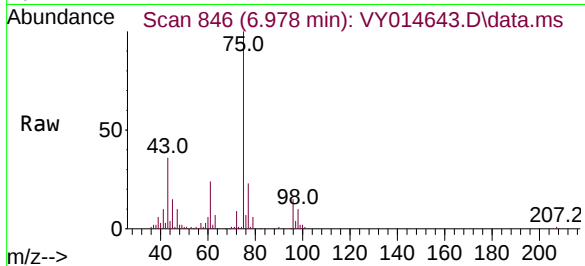
97 19.3 10.9 32.9





#27
 cis-1,2-Dichloroethene
 Concen: 4.362 ug/l
 RT: 6.978 min Scan# 846
 Delta R.T. 0.000 min
 Lab File: VY014643.D
 Acq: 14 Jul 2023 13:27

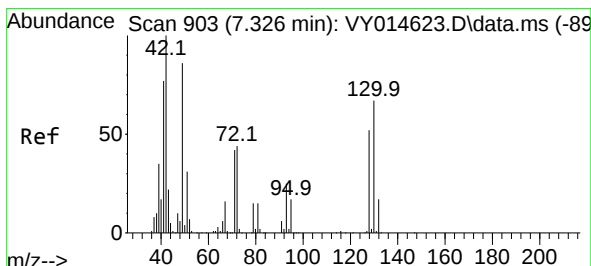
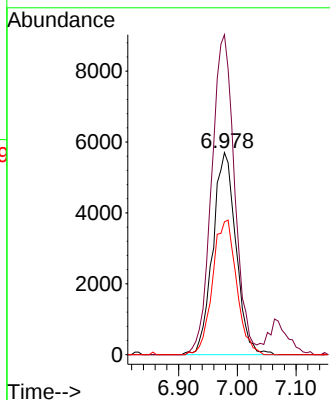
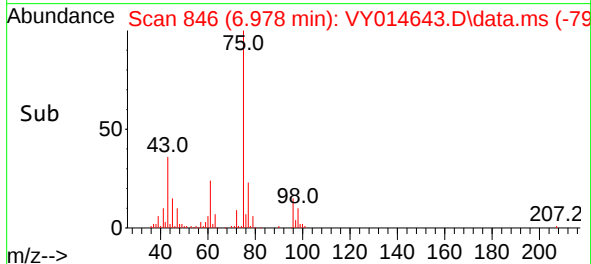
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 96 Resp: 1563
 Ion Ratio Lower Upper
 96 100
 61 156.8 0.0 301.4
 98 68.9 0.0 130.4

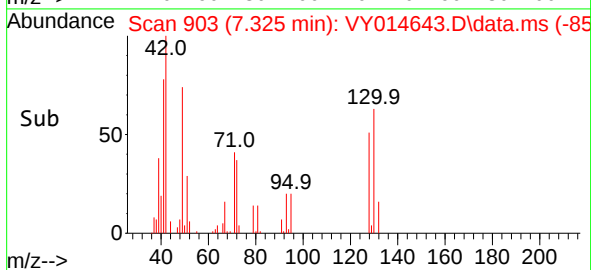
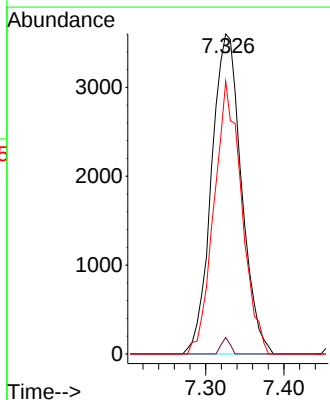
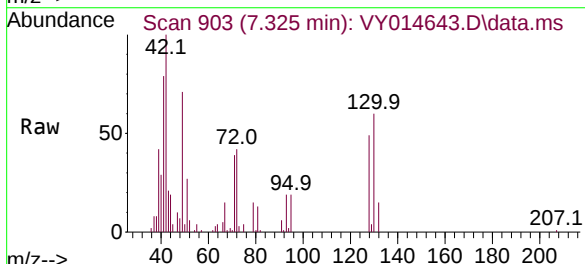
Manual Integrations
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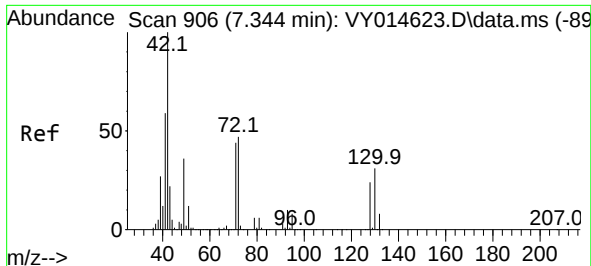
Reviewed By :John Carlone 07/17/2023
 Supervised By :Mahesh Dadoda 07/17/2023



#28
 Bromochloromethane
 Concen: 3.958 ug/l
 RT: 7.325 min Scan# 903
 Delta R.T. -0.000 min
 Lab File: VY014643.D
 Acq: 14 Jul 2023 13:27

Tgt Ion: 49 Resp: 9554
 Ion Ratio Lower Upper
 49 100
 129 1.5 0.0 4.6
 130 78.6 60.7 91.1





#29

Tetrahydrofuran

Concen: 25.759 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

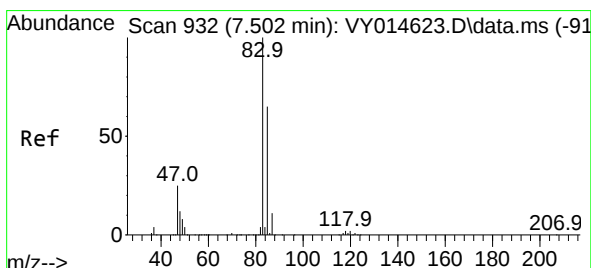
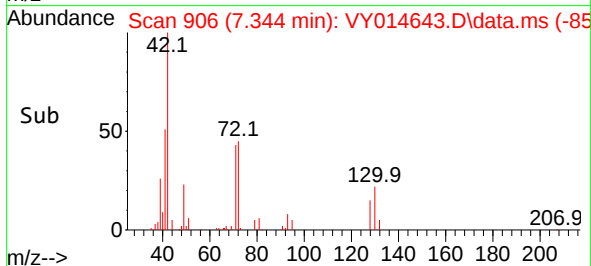
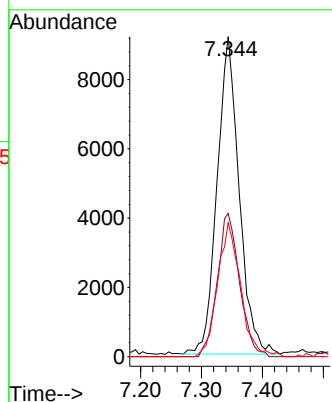
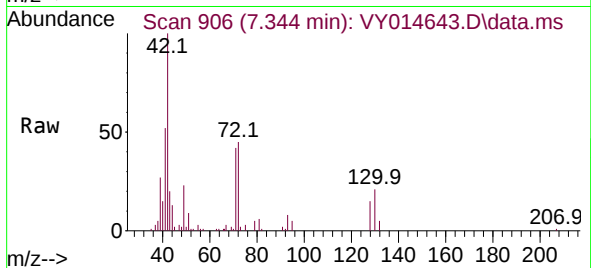
Tgt Ion:	42	Resp:	2309
Ion Ratio	Lower	Upper	
42	100		
72	45.3	32.8	49.2
71	44.0	31.0	46.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#30

Chloroform

Concen: 4.368 ug/l

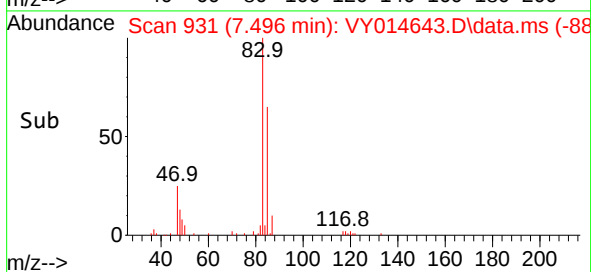
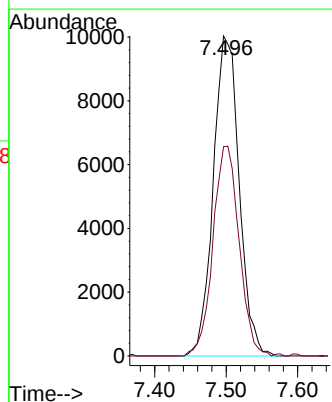
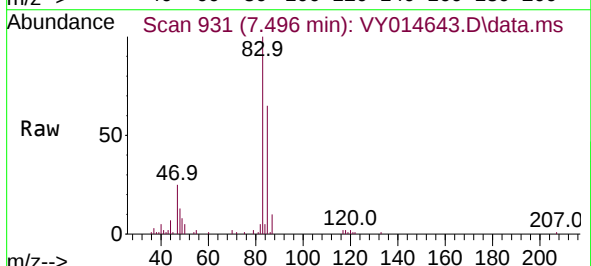
RT: 7.496 min Scan# 931

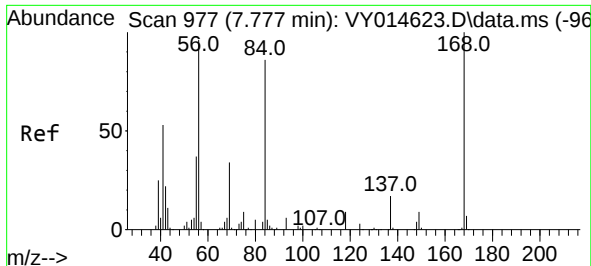
Delta R.T. -0.006 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

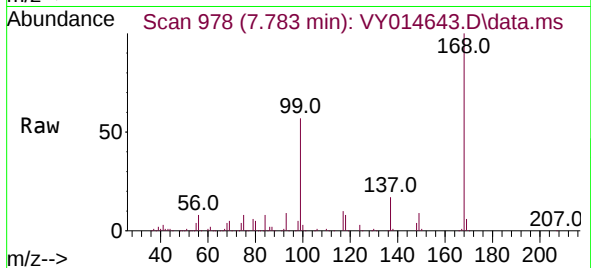
Tgt Ion:	83	Resp:	25251
Ion Ratio	Lower	Upper	
83	100		
85	65.4	49.7	74.5





#31
Cyclohexane
Concen: 4.778 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

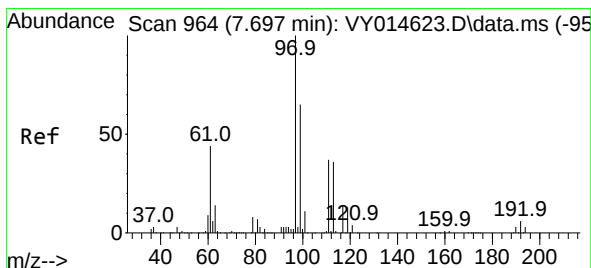
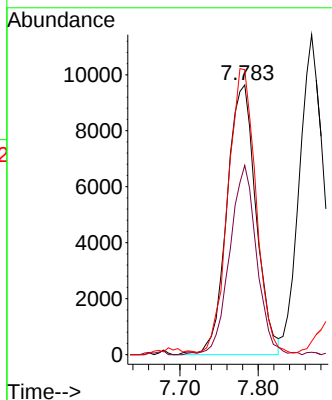
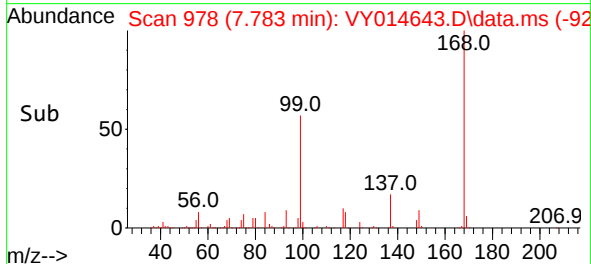
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 56 Resp: 2490
Ion Ratio Lower Upper
56 100
69 70.1 27.8 41.6
84 103.4 66.4 99.6

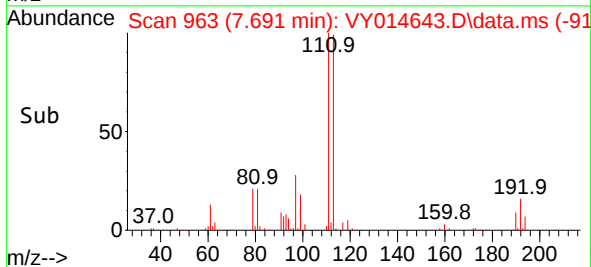
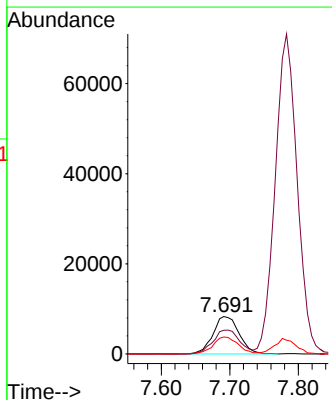
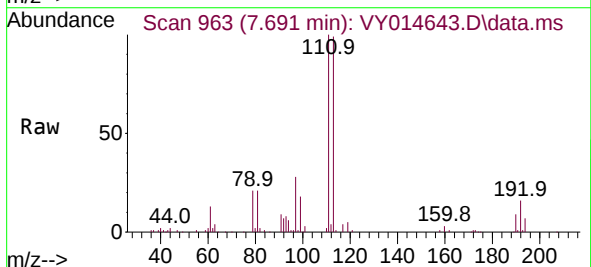
Manual Integrations
APPROVED

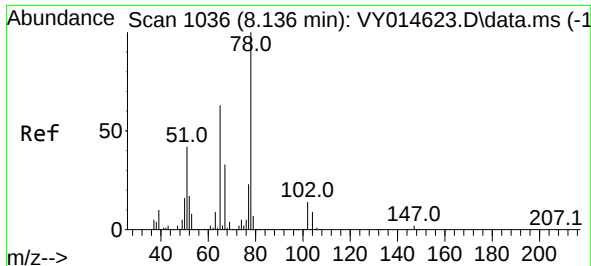
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#32
1,1,1-Trichloroethane
Concen: 4.224 ug/l
RT: 7.691 min Scan# 963
Delta R.T. -0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion: 97 Resp: 21976
Ion Ratio Lower Upper
97 100
99 65.2 50.8 76.2
61 43.9 35.1 52.7





#33

1,2-Dichloroethane-d4

Concen: 52.699 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014643.D

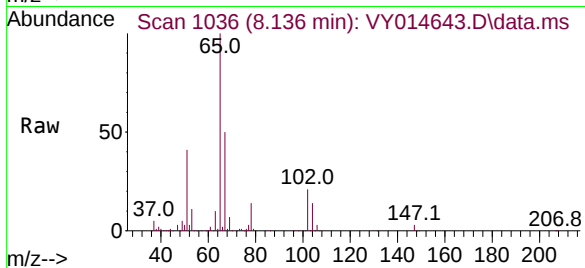
Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 65 Resp: 16549

Ion Ratio Lower Upper

65 100

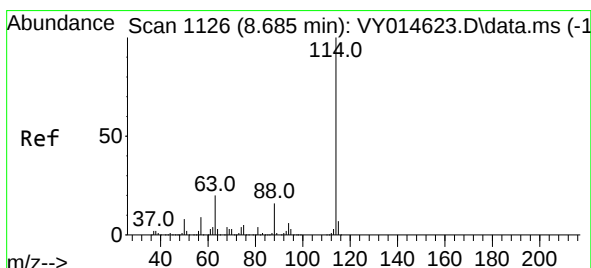
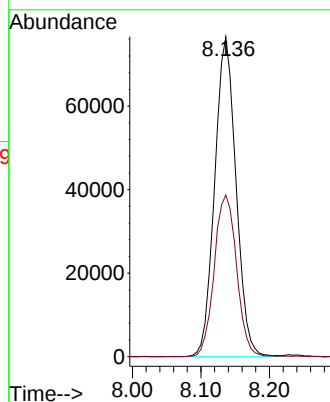
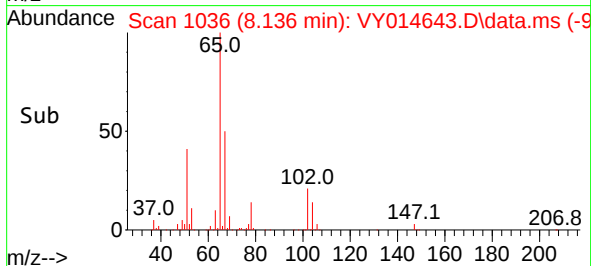
67 53.1 0.0 101.8

Manual Integrations

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Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

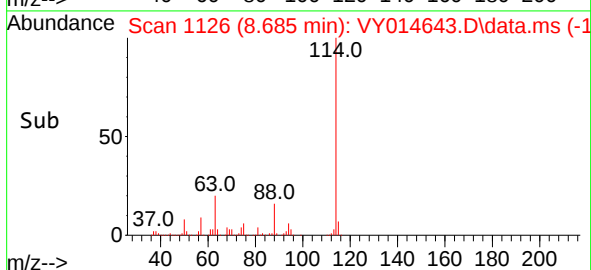
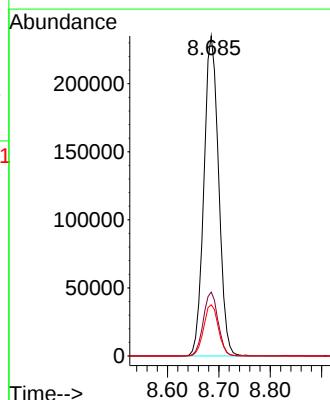
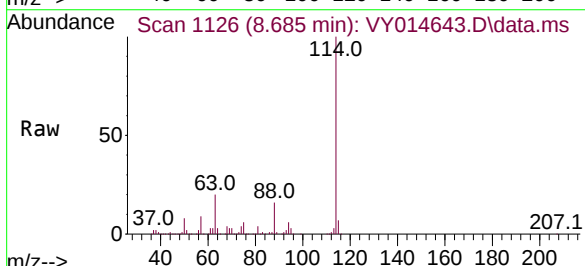
Tgt Ion:114 Resp: 466873

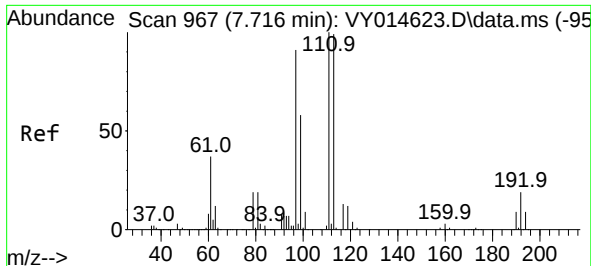
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

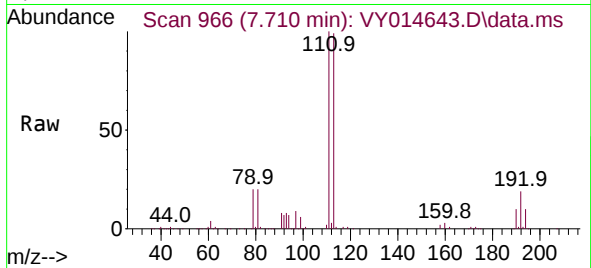
88 16.0 0.0 30.6





#35
Dibromofluoromethane
Concen: 51.465 ug/l
RT: 7.710 min Scan# 967
Delta R.T. -0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

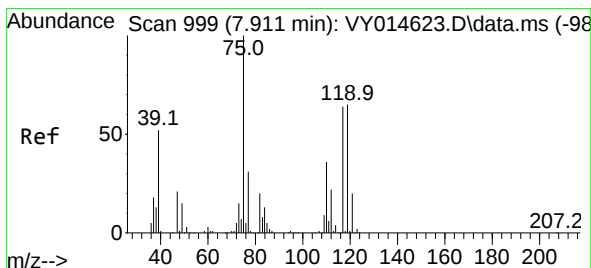
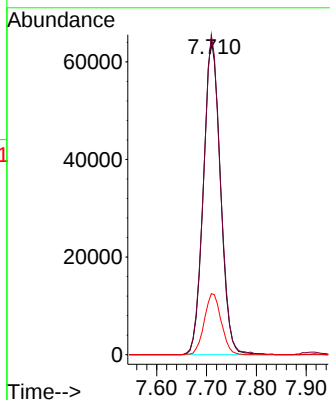
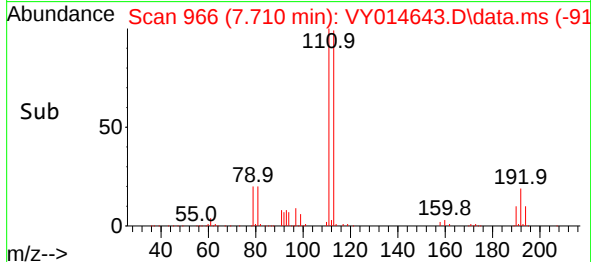
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 113 Resp: 15295
Ion Ratio Lower Upper
113 100
111 101.1 81.3 121.9
192 19.3 16.9 25.3

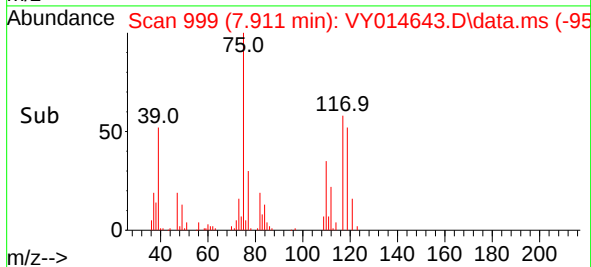
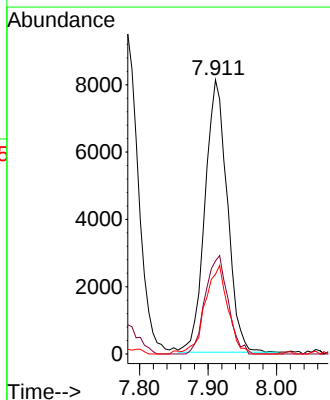
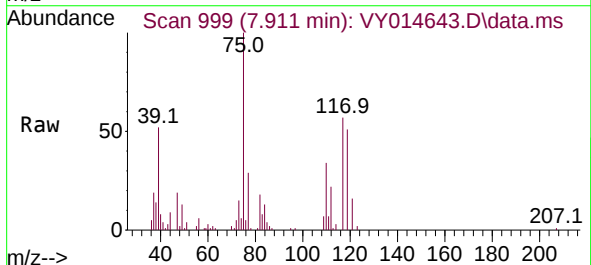
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#36
1,1-Dichloropropene
Concen: 4.111 ug/l
RT: 7.911 min Scan# 999
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

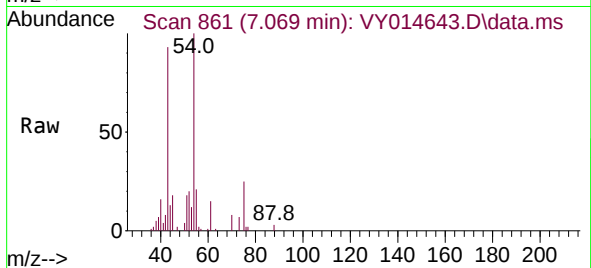
Tgt Ion: 75 Resp: 18272
Ion Ratio Lower Upper
75 100
110 36.8 17.8 53.5
77 33.5 24.4 36.6





#37
Ethyl Acetate
Concen: 4.841 ug/l
RT: 7.069 min Scan# 861
Delta R.T. -0.001 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

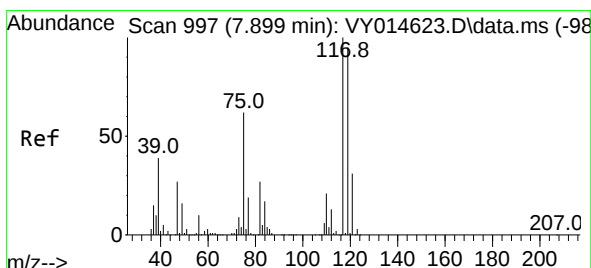
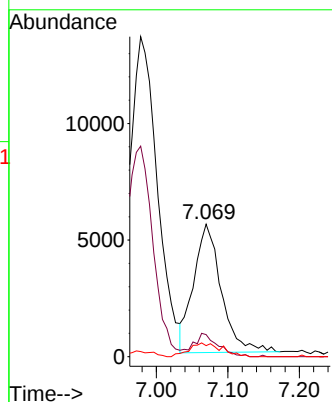
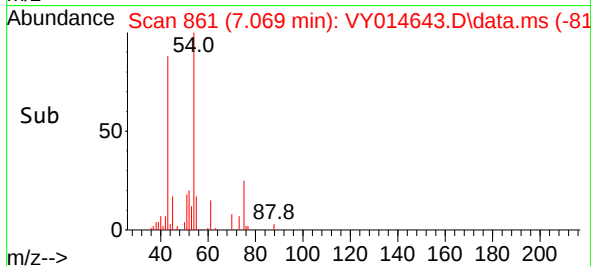
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 1481
Ion Ratio Lower Upper
43 100
61 16.0 10.1 15.1
70 12.5 7.1 10.7

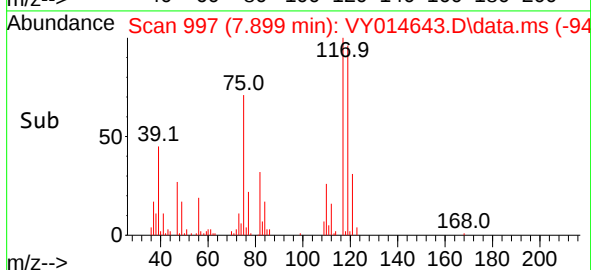
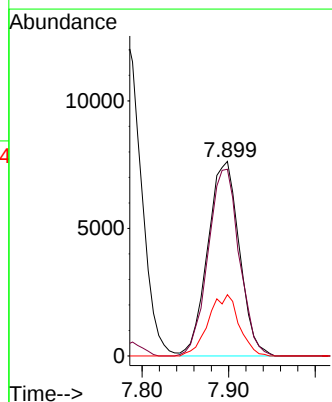
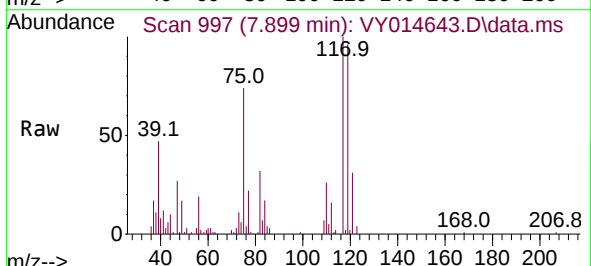
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#38
Carbon Tetrachloride
Concen: 4.116 ug/l
RT: 7.899 min Scan# 997
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion:117 Resp: 19339
Ion Ratio Lower Upper
117 100
119 96.0 76.4 114.6
121 31.5 25.8 38.6





#39

Methylcyclohexane

Concen: 3.827 ug/l

RT: 9.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014643.D

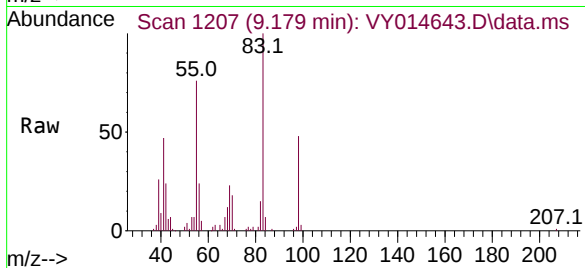
Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



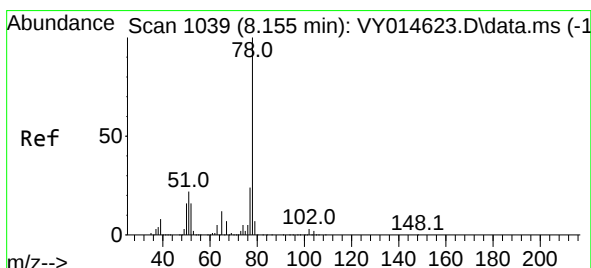
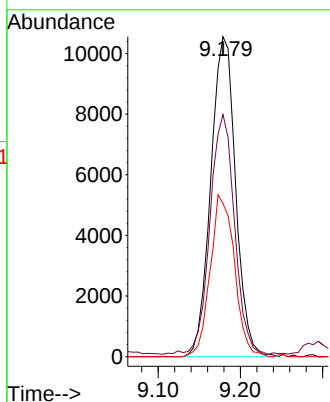
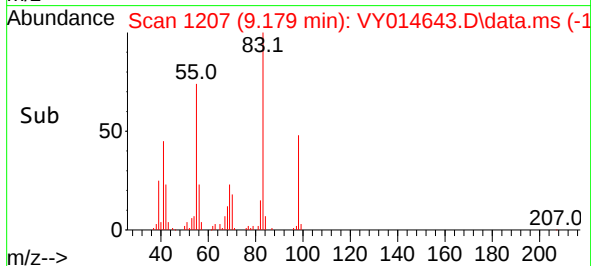
Tgt Ion:	83	Resp:	2215
Ion	Ratio	Lower	Upper
83	100		
55	74.7	63.0	94.4
98	47.8	37.4	56.2

Manual Integrations

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Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#40

Benzene

Concen: 4.171 ug/l

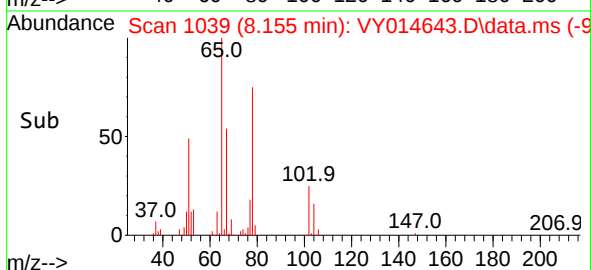
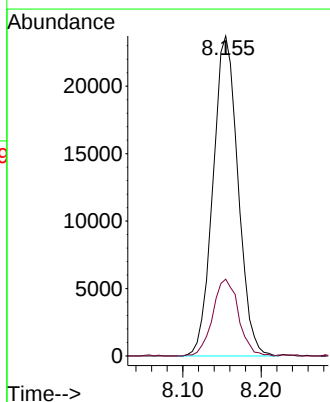
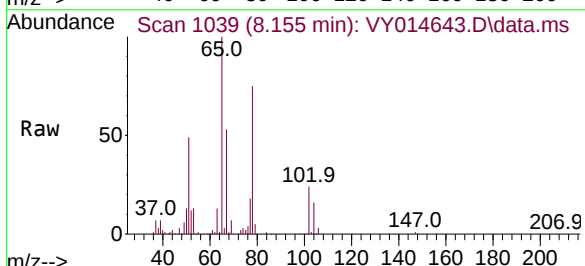
RT: 8.155 min Scan# 1039

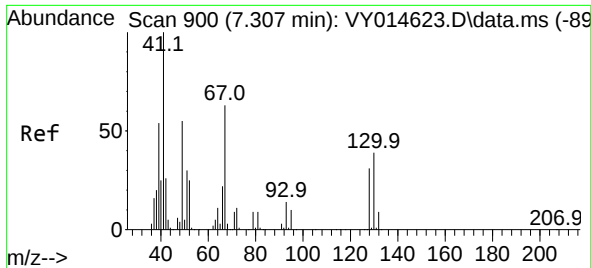
Delta R.T. -0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

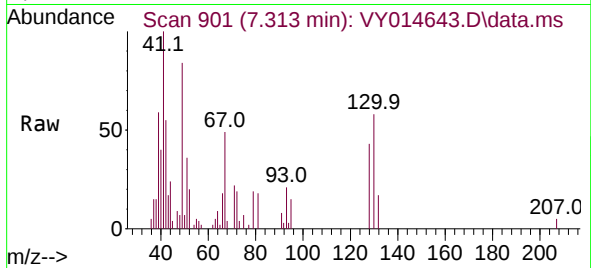
Tgt Ion:	78	Resp:	52724
Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





#41
Methacrylonitrile
Concen: 4.381 ug/l m
RT: 7.313 min Scan# 901
Delta R.T. 0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

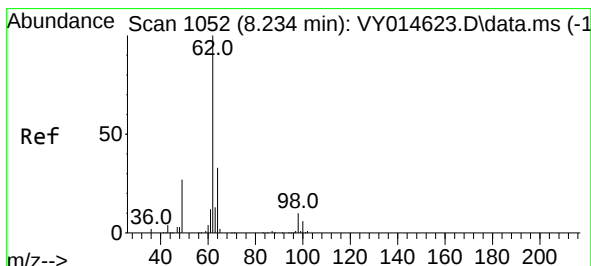
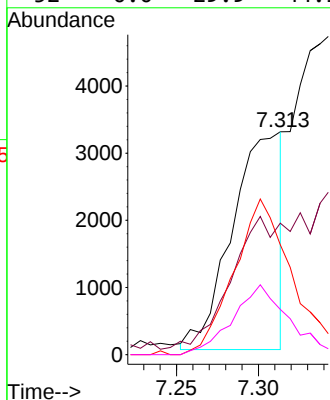
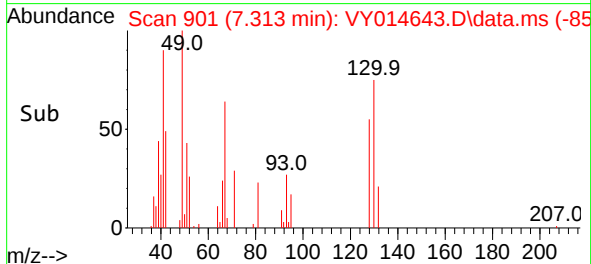
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 41 Resp: 6890
Ion Ratio Lower Upper
41 100
39 66.8 52.1 78.1
67 0.0 66.2 99.2
52 0.0 29.9 44.9

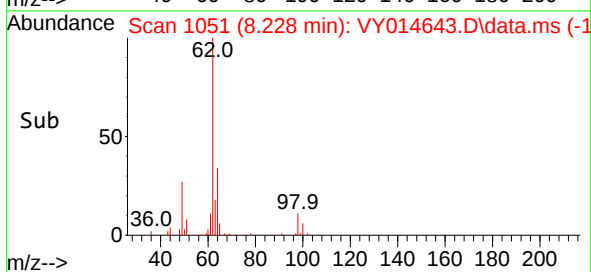
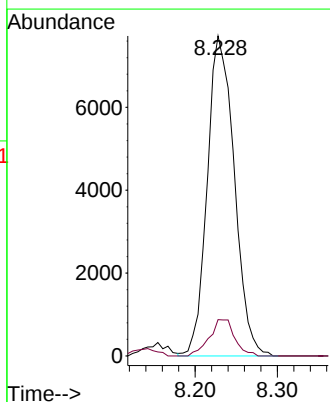
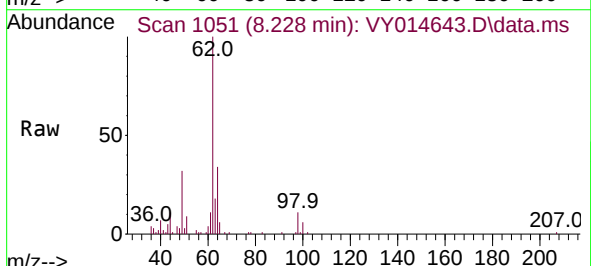
Manual Integrations
APPROVED

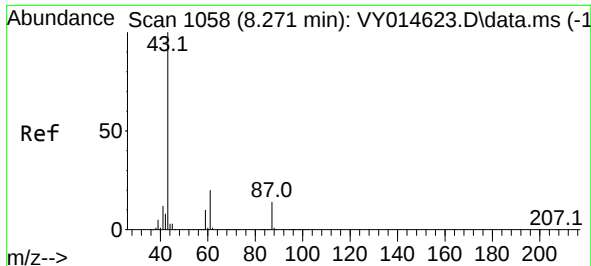
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#42
1,2-Dichloroethane
Concen: 4.415 ug/l
RT: 8.228 min Scan# 1051
Delta R.T. -0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

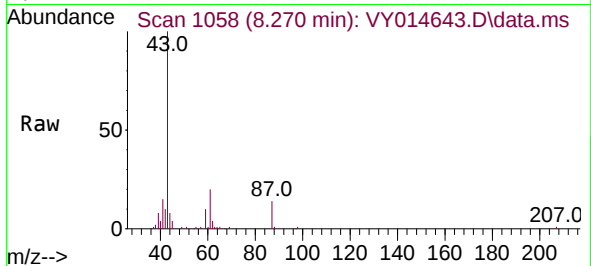
Tgt Ion: 62 Resp: 17674
Ion Ratio Lower Upper
62 100
98 10.6 0.0 15.8





#43
Isopropyl Acetate
Concen: 4.566 ug/l
RT: 8.270 min Scan# 1058
Delta R.T. -0.001 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

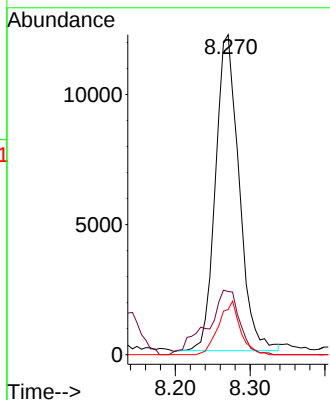
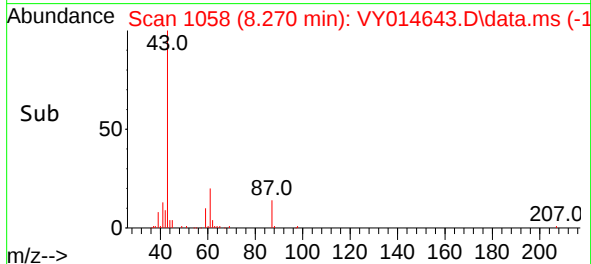
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 26618
Ion Ratio Lower Upper
43 100
61 27.8 21.1 31.7
87 15.4 9.8 14.8

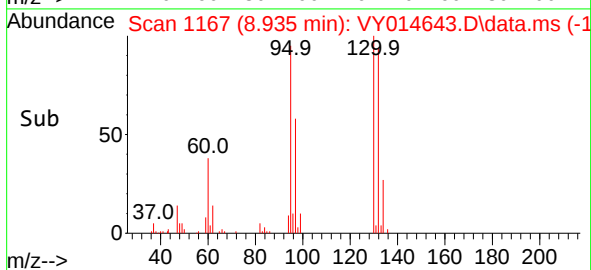
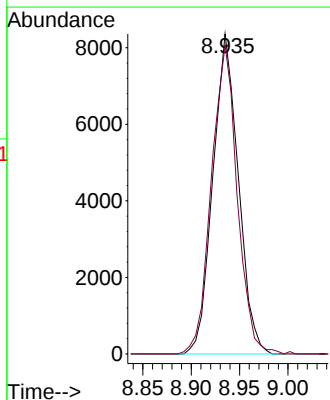
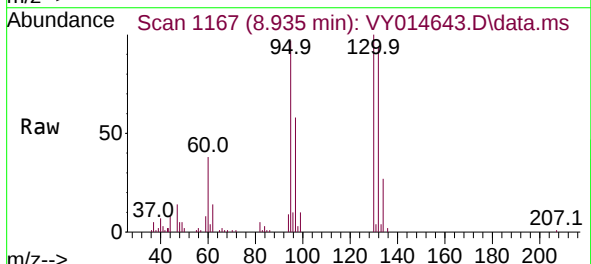
Manual Integrations
APPROVED

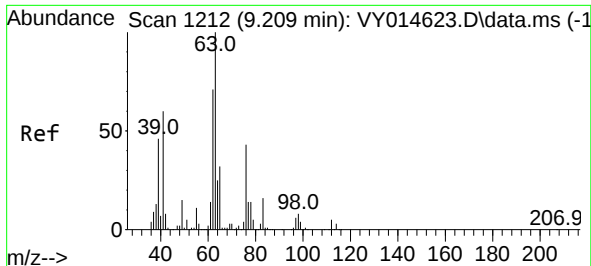
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#44
Trichloroethene
Concen: 4.314 ug/l
RT: 8.935 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion:130 Resp: 15258
Ion Ratio Lower Upper
130 100
95 96.6 0.0 196.0





#45

1,2-Dichloropropane

Concen: 4.165 ug/l

RT: 9.209 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 63 Resp: 13740

Ion Ratio Lower Upper

63 100

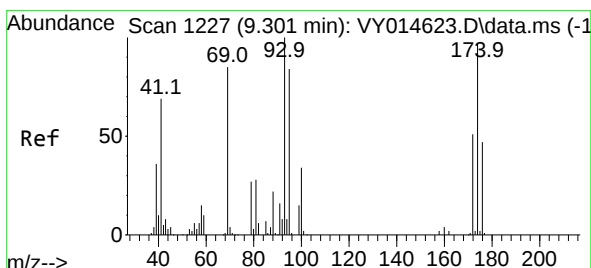
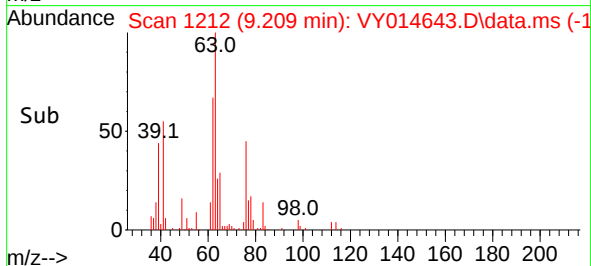
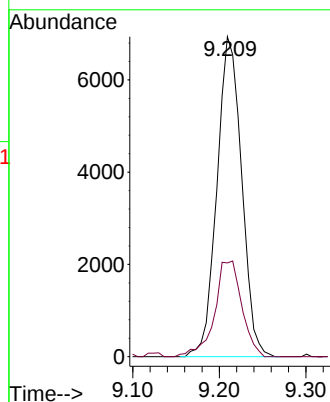
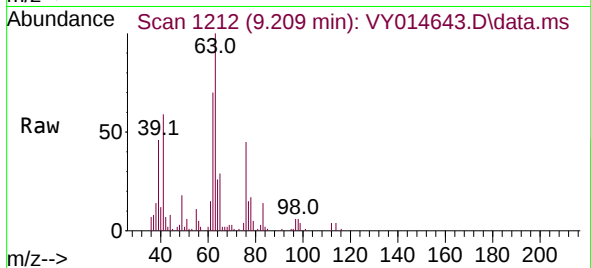
65 29.3 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#46

Dibromomethane

Concen: 4.315 ug/l

RT: 9.301 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

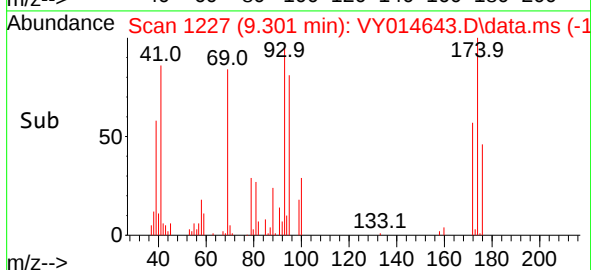
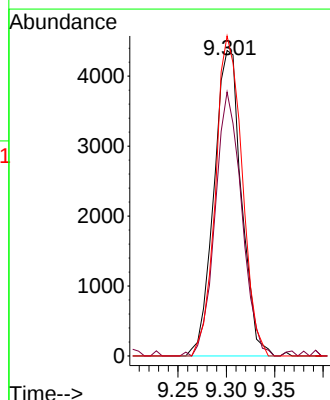
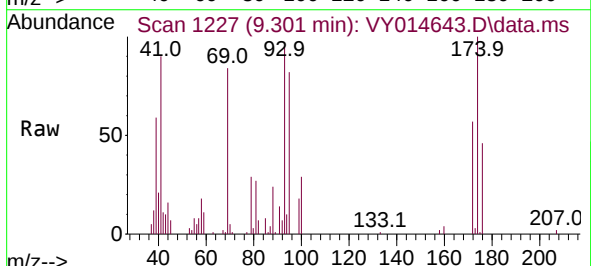
Tgt Ion: 93 Resp: 8641

Ion Ratio Lower Upper

93 100

95 83.4 66.6 100.0

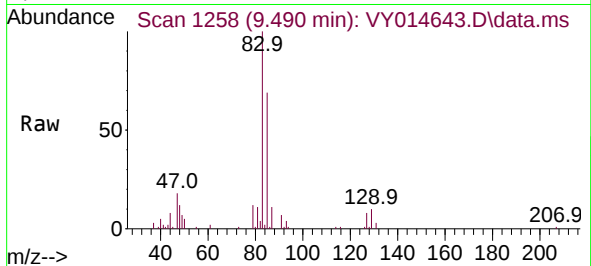
174 100.9 84.8 127.2





#47
Bromodichloromethane
Concen: 4.252 ug/l
RT: 9.490 min Scan# 1259
Delta R.T. -0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

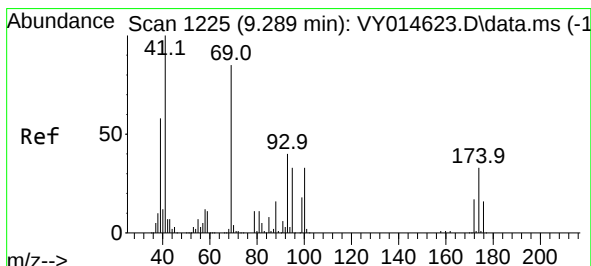
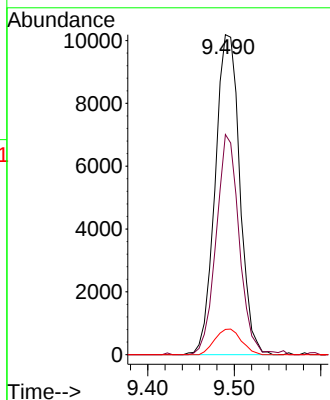
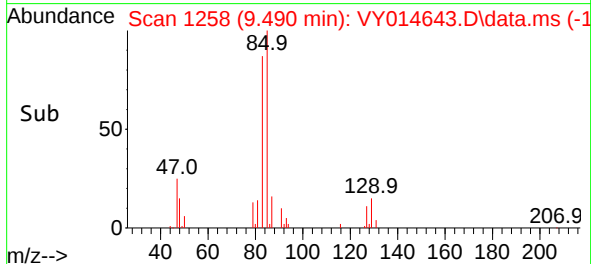
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 83 Resp: 2006
Ion Ratio Lower Upper
83 100
85 68.8 50.1 75.1
127 7.9 7.1 10.7

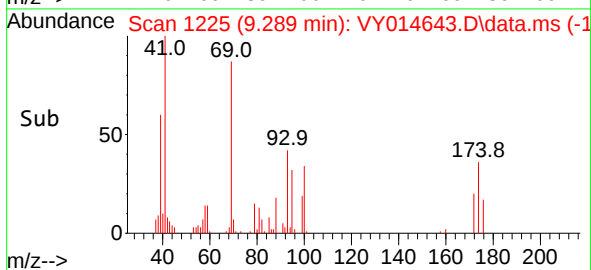
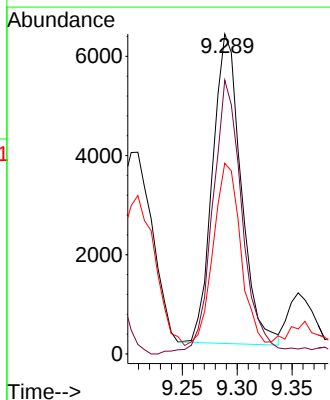
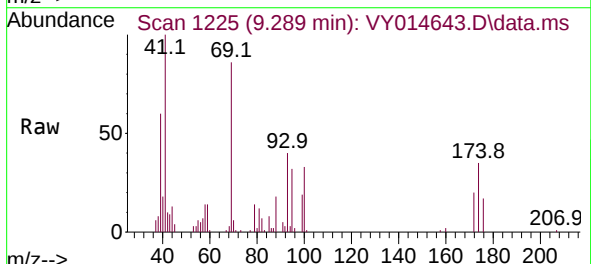
Manual Integrations
APPROVED

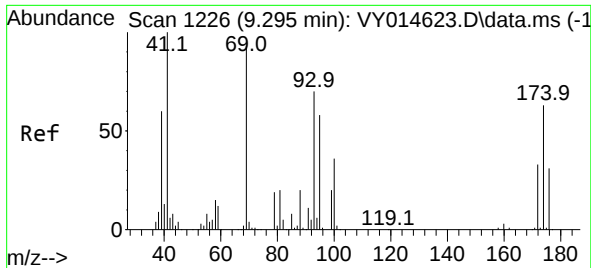
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#48
Methyl methacrylate
Concen: 4.302 ug/l
RT: 9.289 min Scan# 1225
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

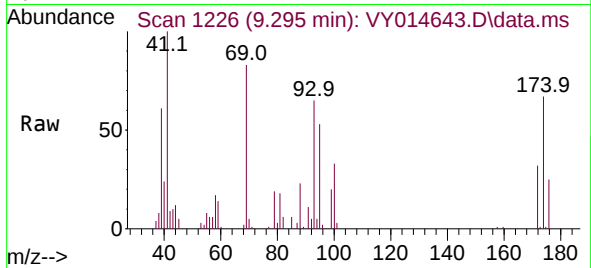
Tgt Ion: 41 Resp: 11285
Ion Ratio Lower Upper
41 100
69 91.5 64.5 96.7
39 59.3 50.8 76.2





#49
1,4-Dioxane
Concen: 98.926 ug/l
RT: 9.295 min Scan# 1226
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

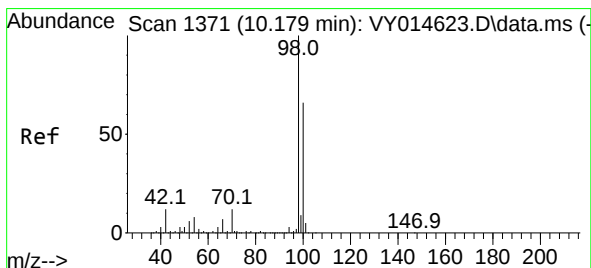
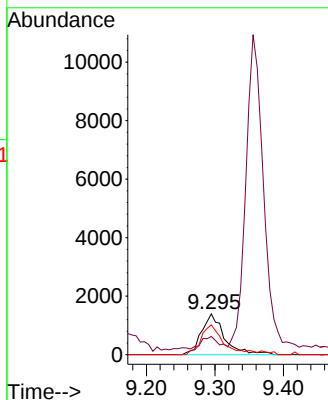
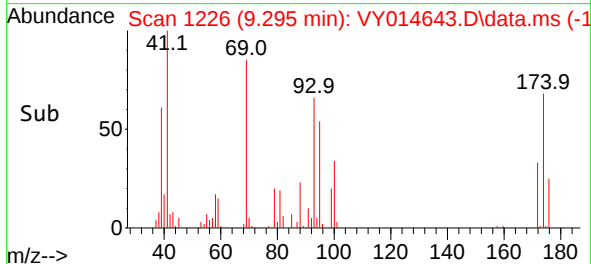
Instrument : MSVOA_Y
ClientSampleId : LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 88 Resp: 3230
Ion Ratio Lower Upper
88 100
43 28.2 0.0 0.0
58 71.7 30.9 46.3

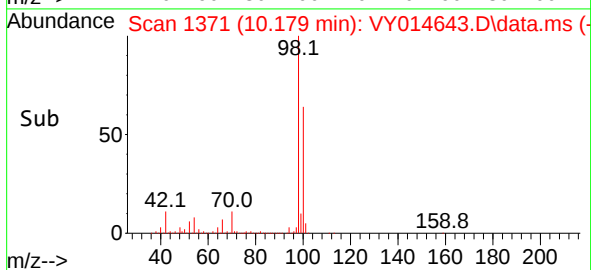
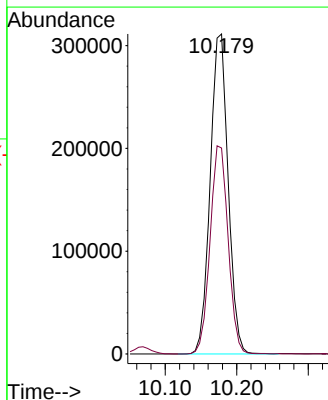
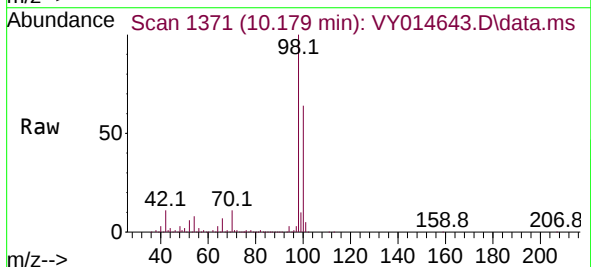
Manual Integrations
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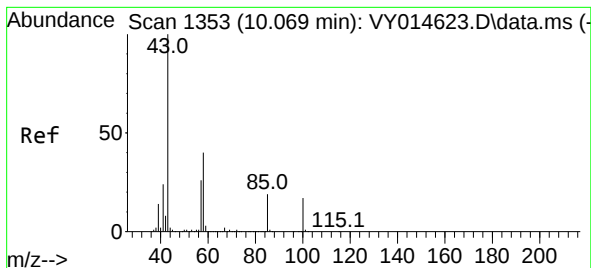
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#50
Toluene-d8
Concen: 49.451 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion: 98 Resp: 541846
Ion Ratio Lower Upper
98 100
100 65.5 50.1 75.1





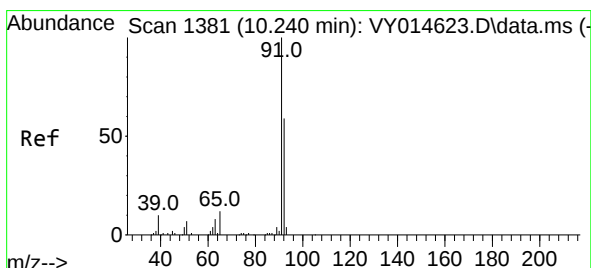
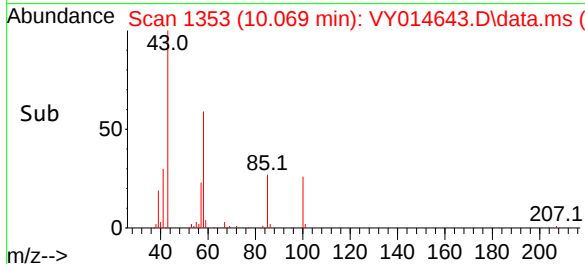
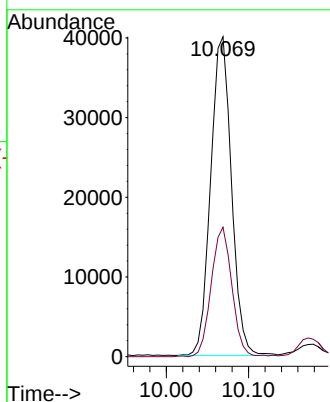
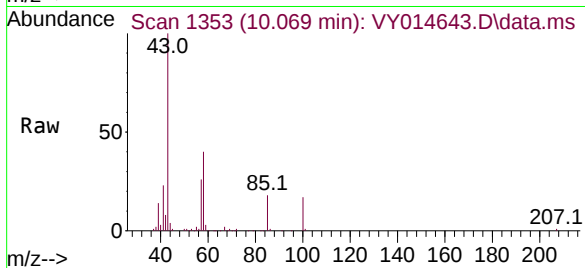
#51
4-Methyl-2-Pentanone
Concen: 23.014 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

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

Tgt Ion: 43 Resp: 70430
Ion Ratio Lower Upper
43 100
58 40.1 29.0 43.6

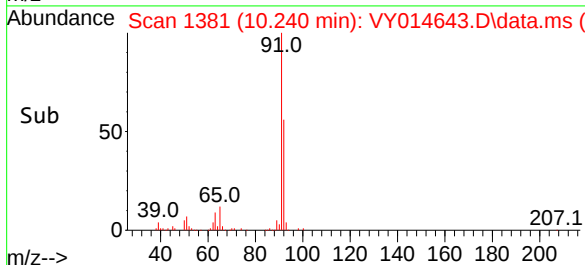
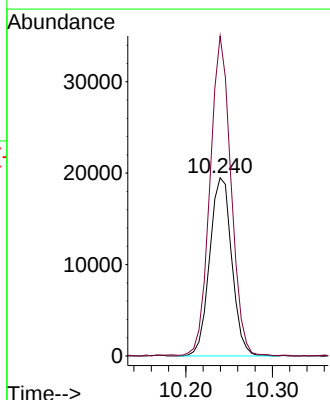
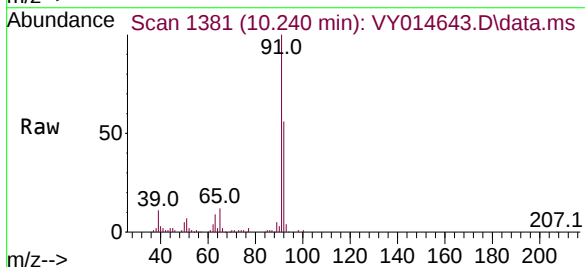
Manual Integrations
APPROVED

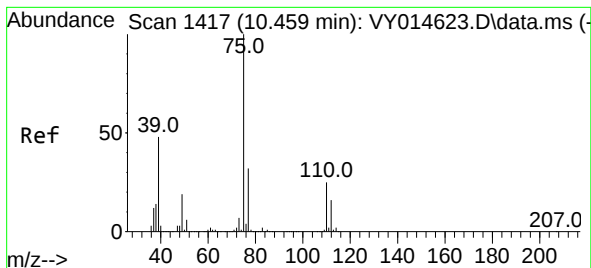
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#52
Toluene
Concen: 4.274 ug/l
RT: 10.240 min Scan# 1381
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion: 92 Resp: 34573
Ion Ratio Lower Upper
92 100
91 171.7 143.8 215.6





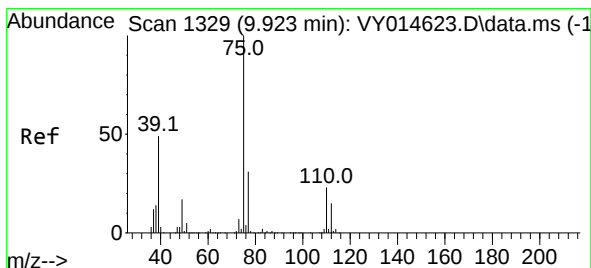
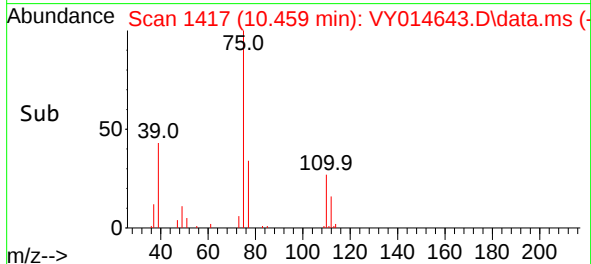
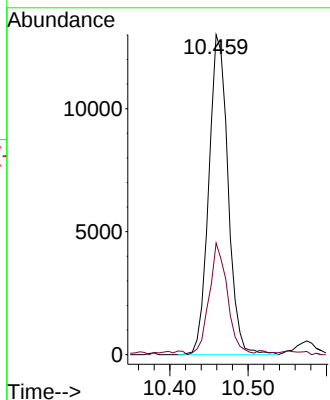
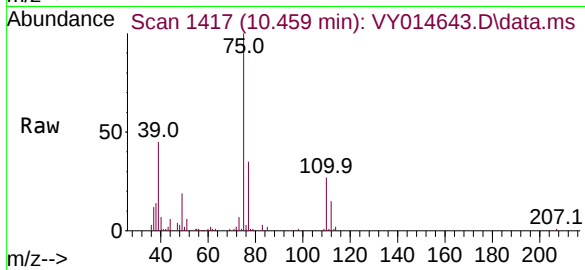
#53
t-1,3-Dichloropropene
Concen: 4.304 ug/l
RT: 10.459 min Scan# 1417
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

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

Tgt Ion: 75 Resp: 22210
Ion Ratio Lower Upper
75 100
77 34.3 25.0 37.4

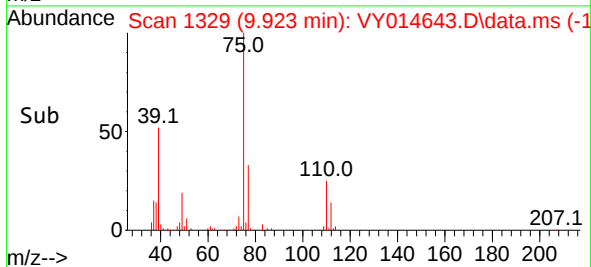
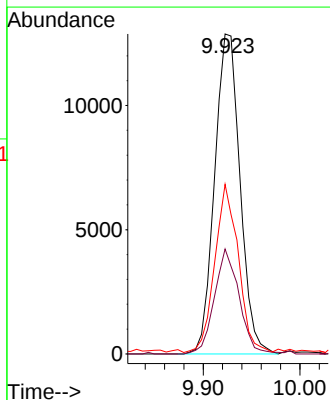
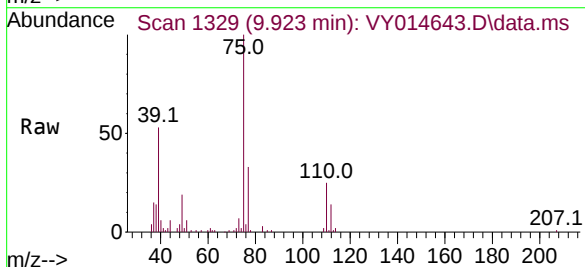
Manual Integrations
APPROVED

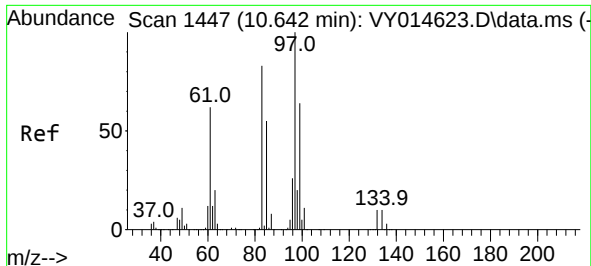
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#54
cis-1,3-Dichloropropene
Concen: 4.185 ug/l
RT: 9.923 min Scan# 1329
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

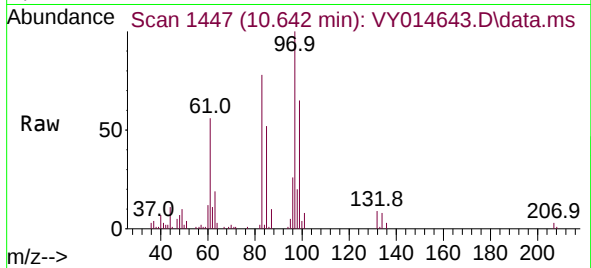
Tgt Ion: 75 Resp: 23496
Ion Ratio Lower Upper
75 100
77 32.8 24.2 36.4
39 51.7 42.2 63.4





#55
1,1,2-Trichloroethane
Concen: 4.617 ug/l
RT: 10.642 min Scan# 1447
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

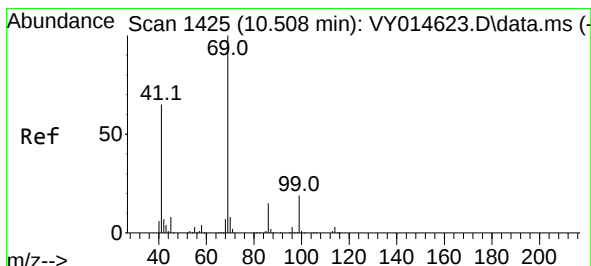
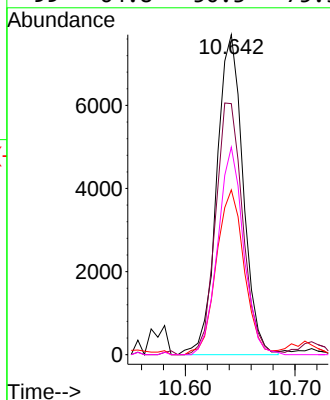
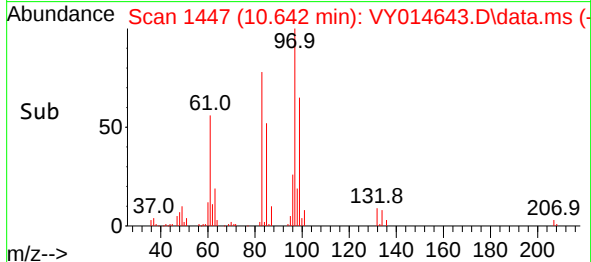
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:	97	Resp:	12879
Ion Ratio	100	Lower	Upper
97	100		
83	78.5	72.0	108.0
85	51.5	45.4	68.0
99	64.8	50.3	75.5

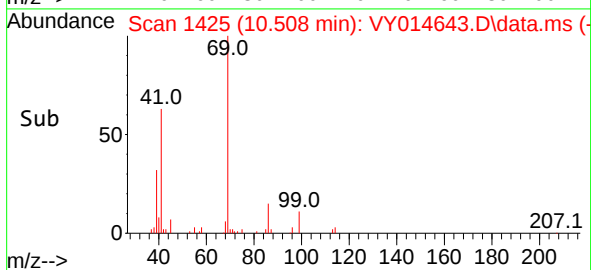
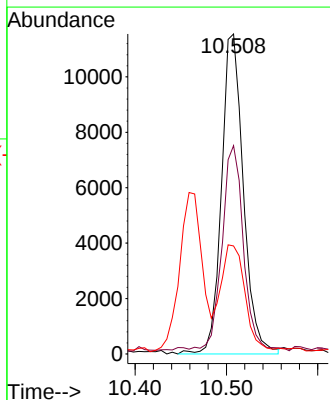
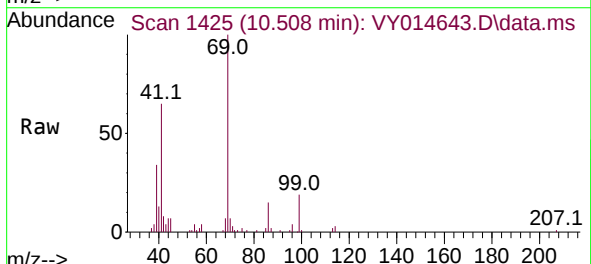
Manual Integrations
APPROVED

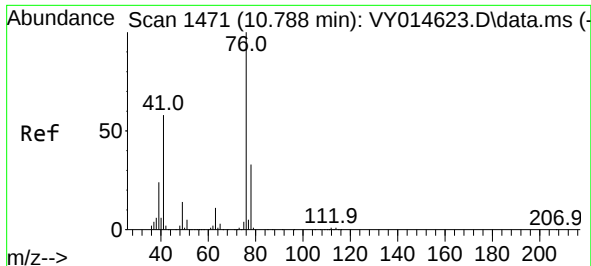
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#56
Ethyl methacrylate
Concen: 4.516 ug/l
RT: 10.508 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion:	69	Resp:	19232
Ion Ratio	100	Lower	Upper
69	100		
41	62.9	57.6	86.4
39	35.8	34.1	51.1





#57

1,3-Dichloropropane

Concen: 4.261 ug/l

RT: 10.788 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

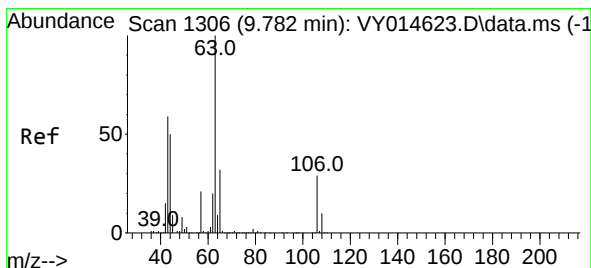
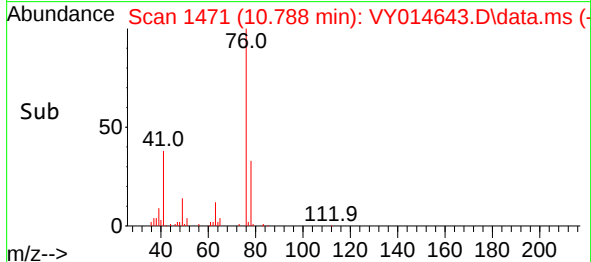
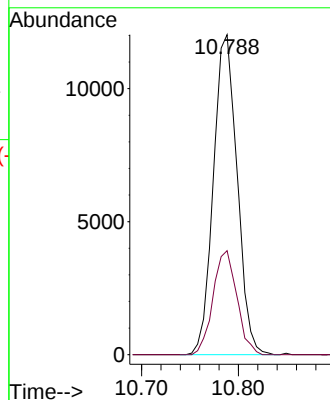
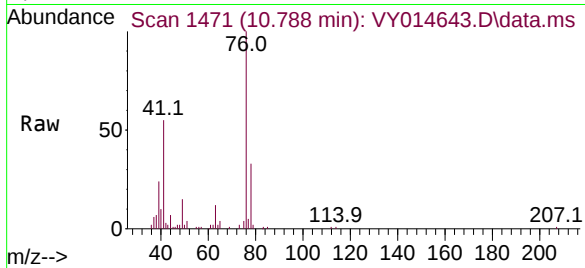
Tgt Ion: 76 Resp: 20498
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#58

2-Chloroethyl Vinyl ether

Concen: 22.623 ug/l

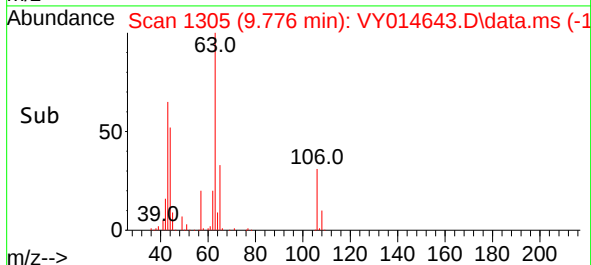
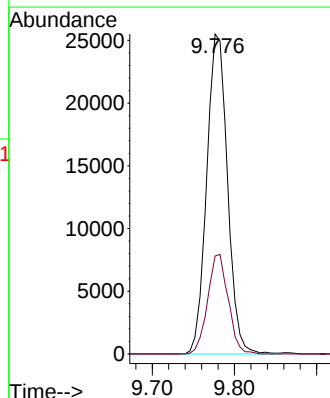
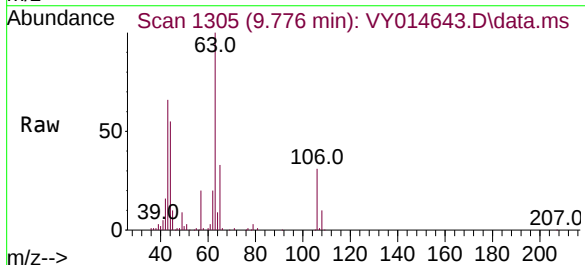
RT: 9.776 min Scan# 1305

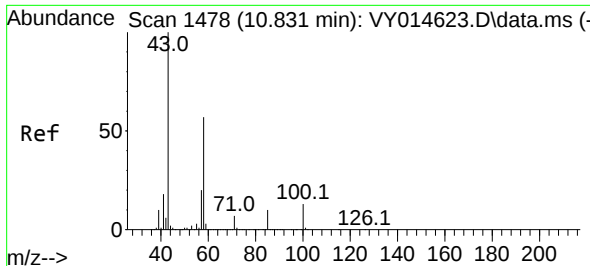
Delta R.T. -0.006 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

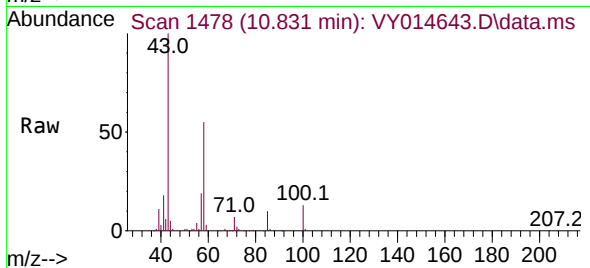
Tgt Ion: 63 Resp: 44892
 Ion Ratio Lower Upper
 63 100
 106 30.6 21.2 31.8





#59
2-Hexanone
Concen: 22.540 ug/l
RT: 10.831 min Scan# 1478
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

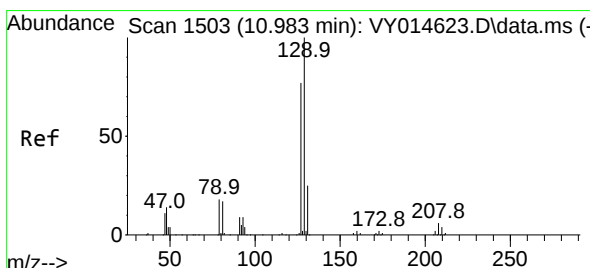
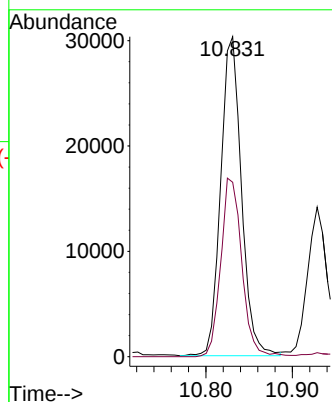
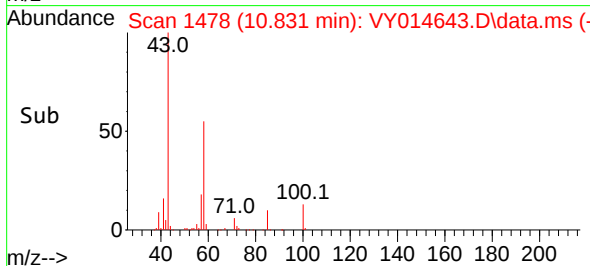
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 43 Resp: 50308
Ion Ratio Lower Upper
43 100
58 56.9 25.1 75.3

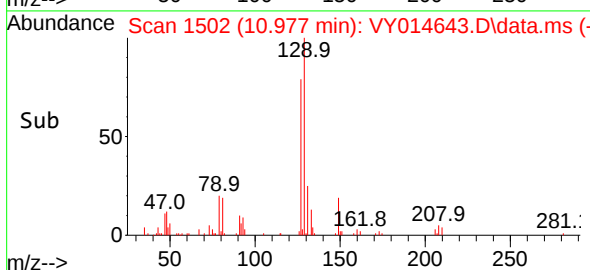
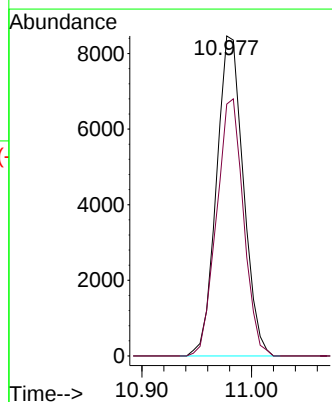
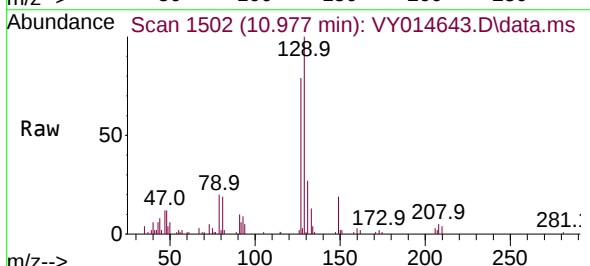
Manual Integrations
APPROVED

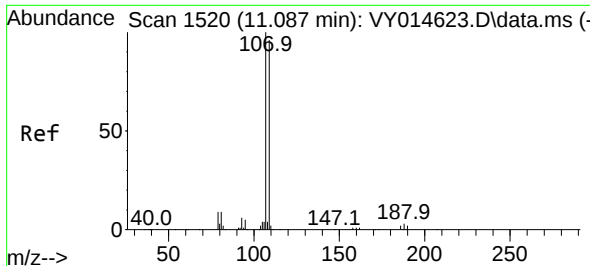
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#60
Dibromochloromethane
Concen: 4.218 ug/l
RT: 10.977 min Scan# 1502
Delta R.T. -0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

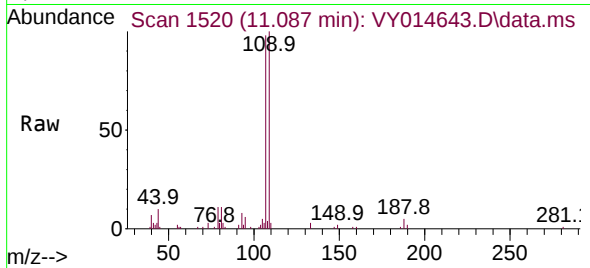
Tgt Ion:129 Resp: 14425
Ion Ratio Lower Upper
129 100
127 80.4 38.5 115.5





#61
1,2-Dibromoethane
Concen: 4.303 ug/l
RT: 11.087 min Scan# 1520
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

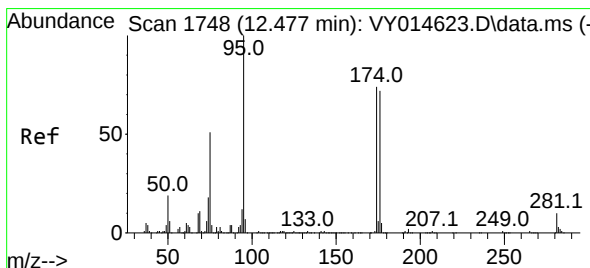
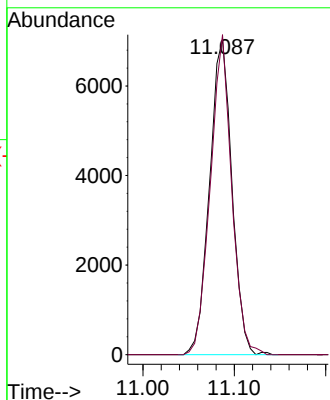
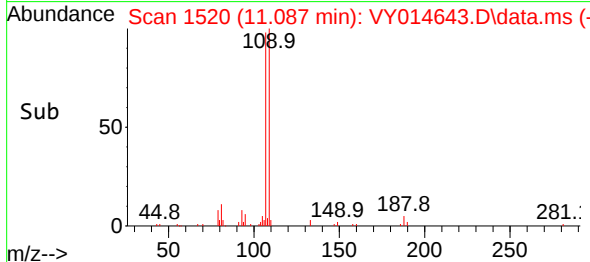
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



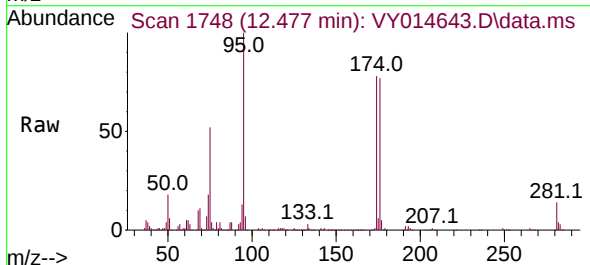
Tgt Ion:107 Resp: 11972
Ion Ratio Lower Upper
107 100
109 96.5 75.6 113.4

Manual Integrations
APPROVED

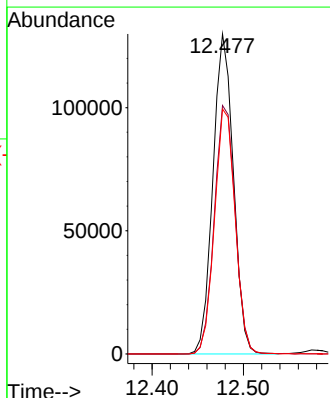
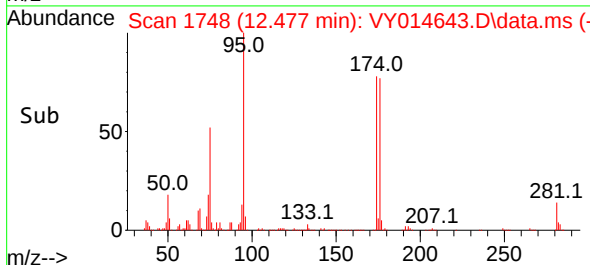
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

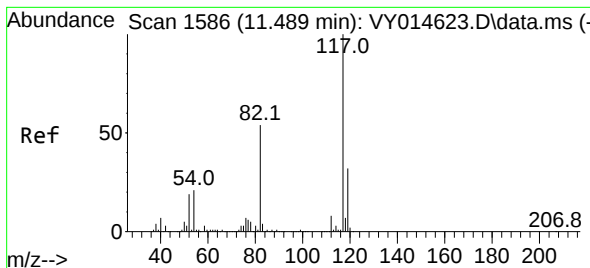


#62
4-Bromofluorobenzene
Concen: 48.105 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27



Tgt Ion: 95 Resp: 202106
Ion Ratio Lower Upper
95 100
174 79.5 0.0 178.2
176 77.4 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014643.D

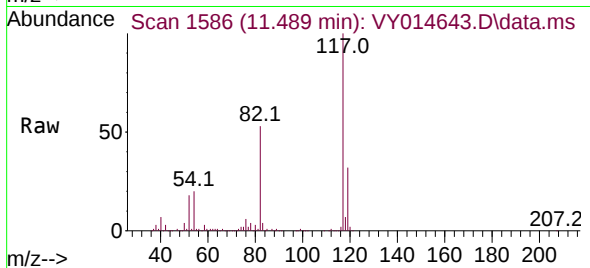
Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:117 Resp: 408434

Ion Ratio Lower Upper

117 100

82 53.2 43.4 65.0

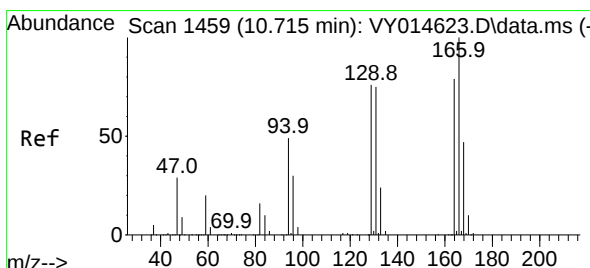
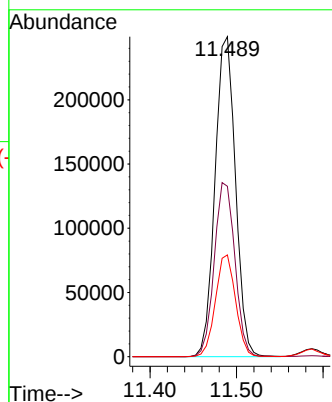
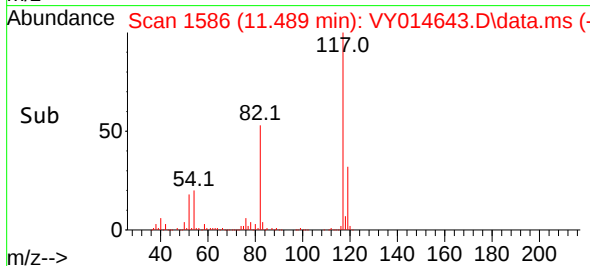
119 31.8 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#64

Tetrachloroethene

Concen: 4.542 ug/l

RT: 10.715 min Scan# 1459

Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Tgt Ion:164 Resp: 14920

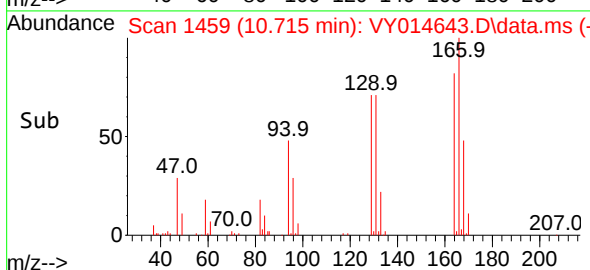
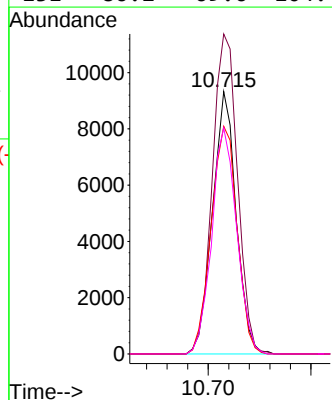
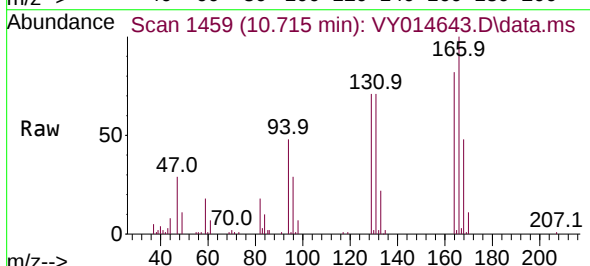
Ion Ratio Lower Upper

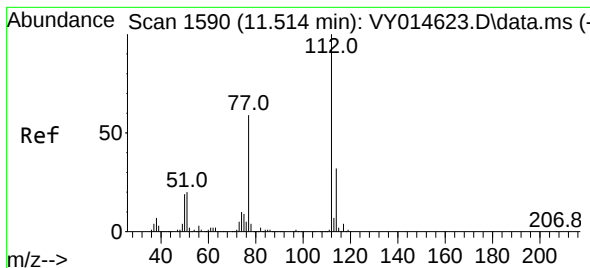
164 100

166 122.0 103.0 154.6

129 86.8 77.2 115.8

131 86.2 69.6 104.4





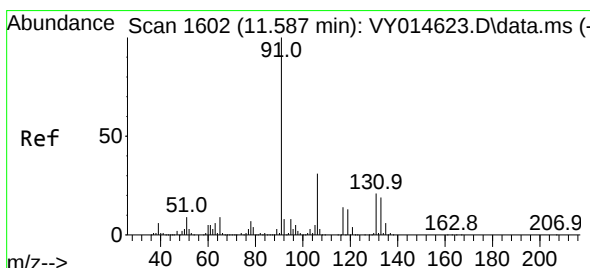
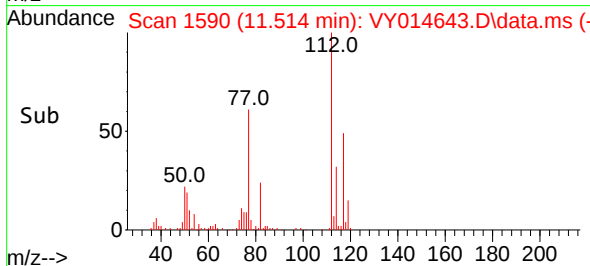
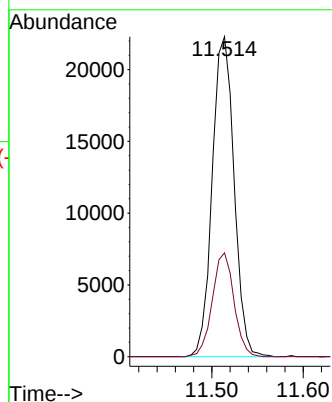
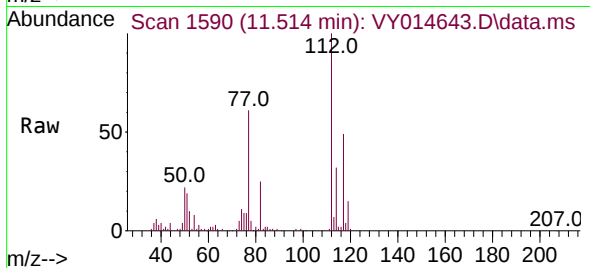
#65
Chlorobenzene
Concen: 4.250 ug/l
RT: 11.514 min Scan# 11590
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

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

Tgt Ion:112 Resp: 3699
Ion Ratio Lower Upper
112 100
114 32.4 25.5 38.3

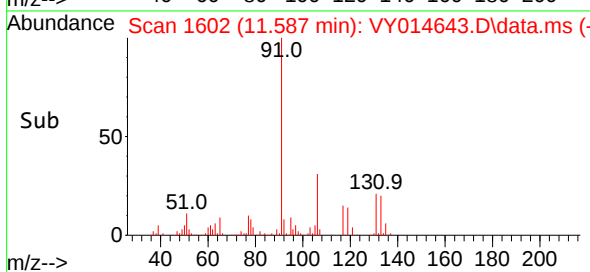
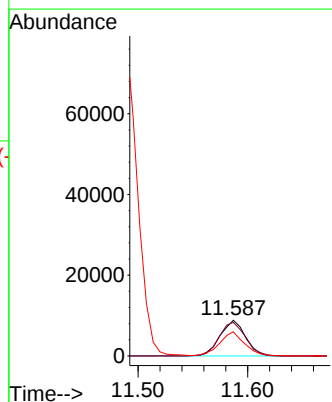
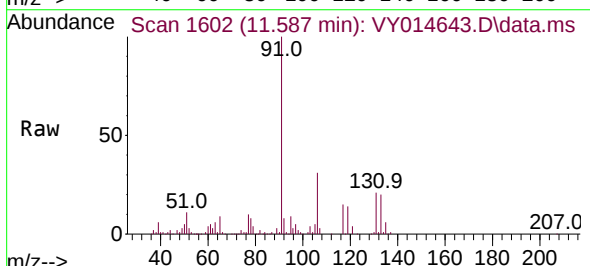
Manual Integrations
APPROVED

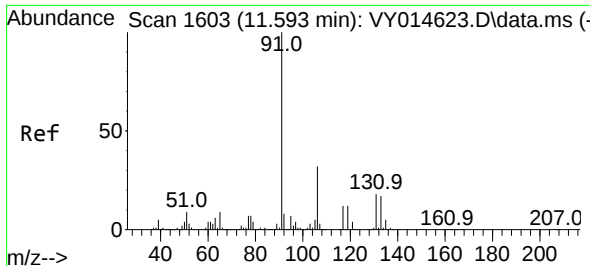
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 4.303 ug/l
RT: 11.587 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion:131 Resp: 14121
Ion Ratio Lower Upper
131 100
133 99.0 47.5 142.6
119 67.2 31.6 94.7





#67

Ethyl Benzene

Concen: 4.250 ug/l

RT: 11.587 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion: 91 Resp: 66784

Ion Ratio Lower Upper

91 100

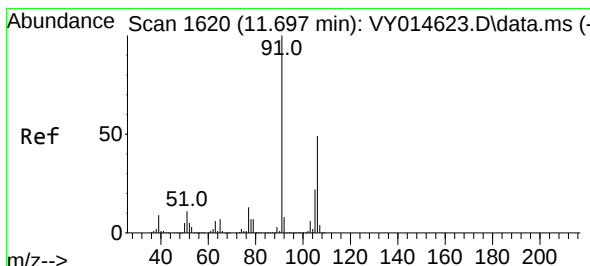
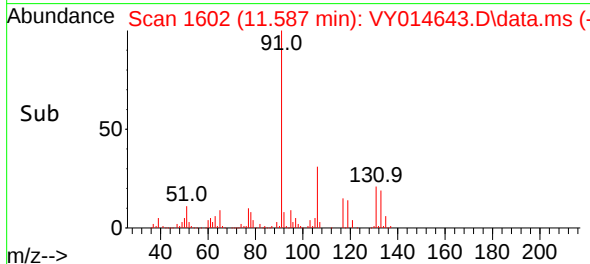
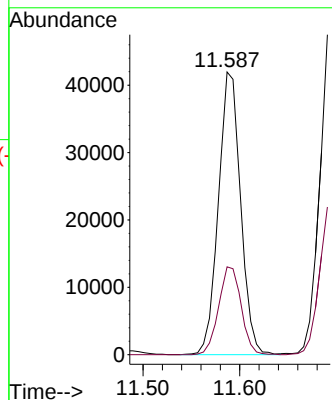
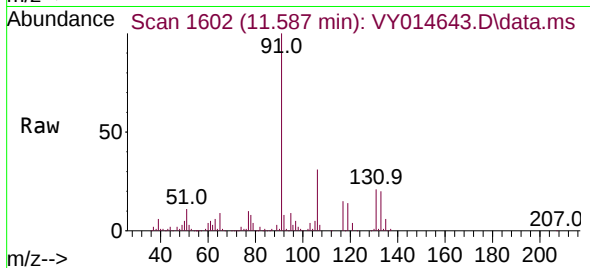
106 31.1 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#68

m/p-Xylenes

Concen: 8.546 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.000 min

Lab File: VY014643.D

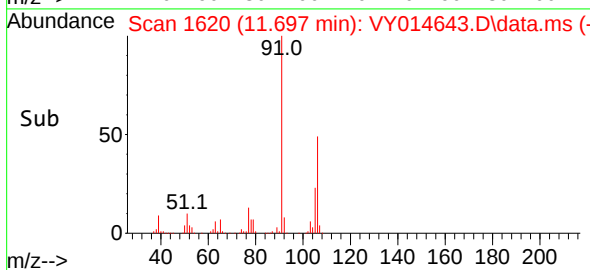
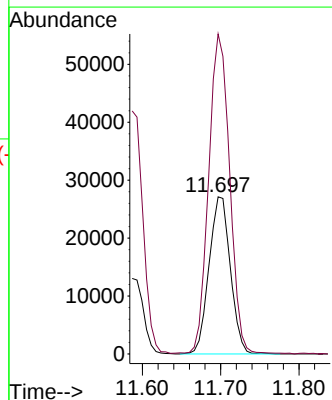
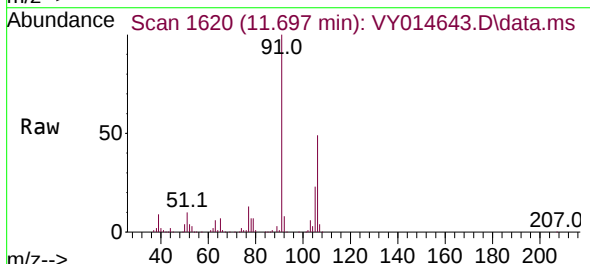
Acq: 14 Jul 2023 13:27

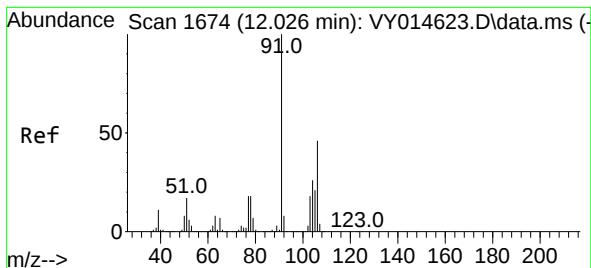
Tgt Ion:106 Resp: 51267

Ion Ratio Lower Upper

106 100

91 201.5 166.1 249.1





#69

o-Xylene

Concen: 4.278 ug/l

RT: 12.026 min Scan# 1674

Delta R.T. -0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:106 Resp: 2499

Ion Ratio Lower Upper

106 100

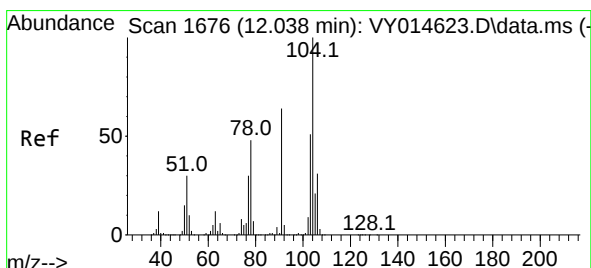
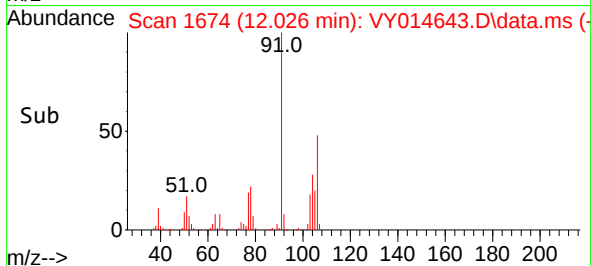
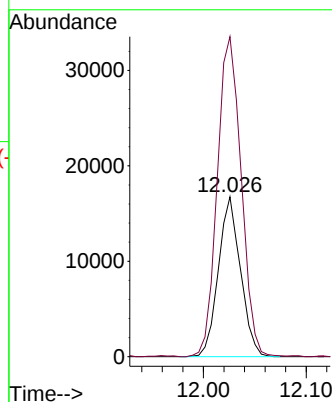
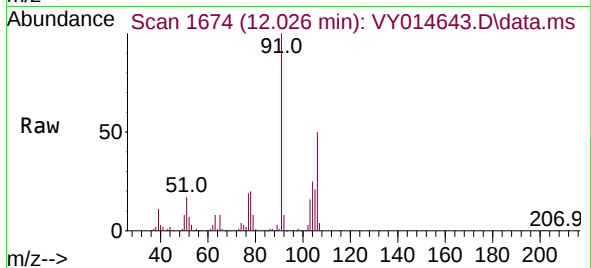
91 217.1 108.1 324.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#70

Styrene

Concen: 4.312 ug/l

RT: 12.038 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

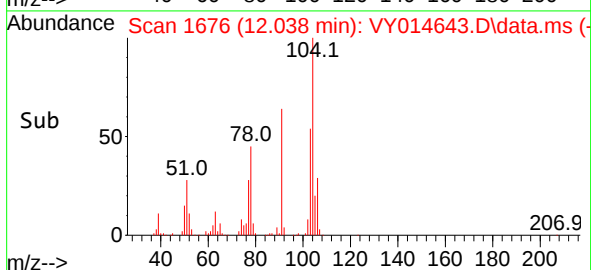
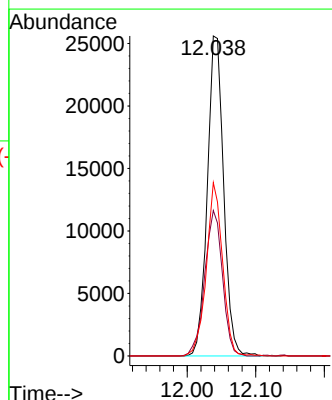
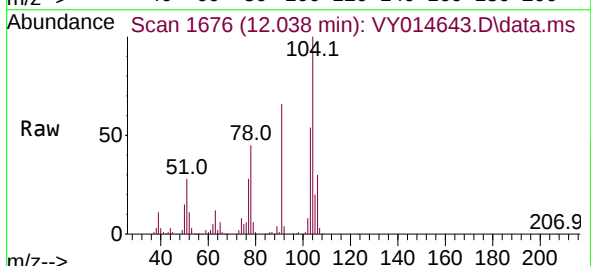
Tgt Ion:104 Resp: 42465

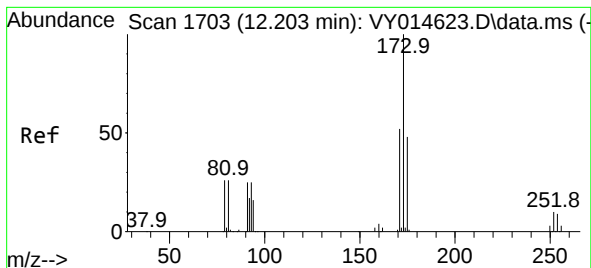
Ion Ratio Lower Upper

104 100

78 49.3 41.5 62.3

103 54.0 44.6 67.0





#71

Bromoform

Concen: 4.406 ug/l

RT: 12.203 min Scan# 1703

Delta R.T. -0.000 min

Lab File: VY014643.D

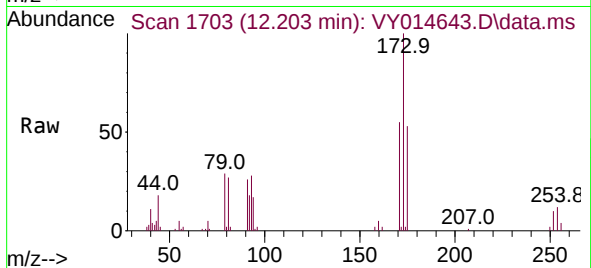
Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



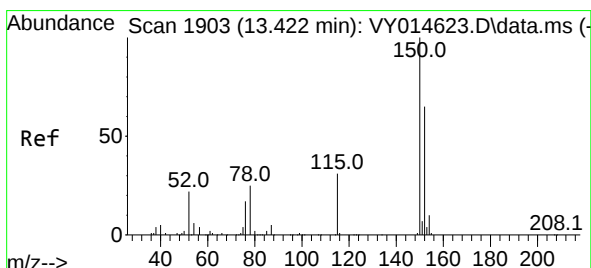
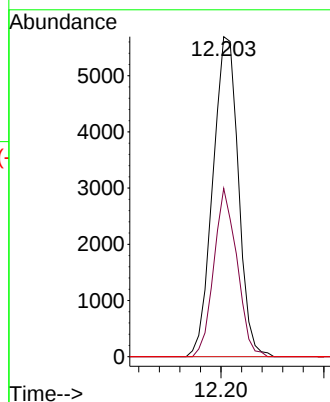
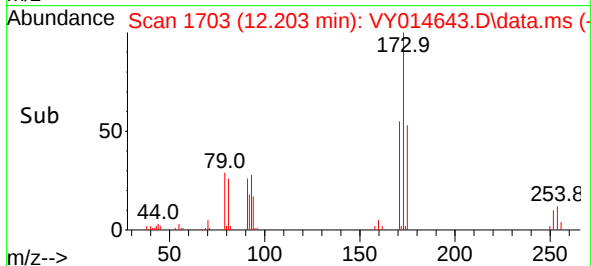
Tgt Ion:	173	Resp:	9800
Ion Ratio	Lower	Upper	
173	100		
175	47.6	24.6	73.8
254	0.0	0.2	0.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

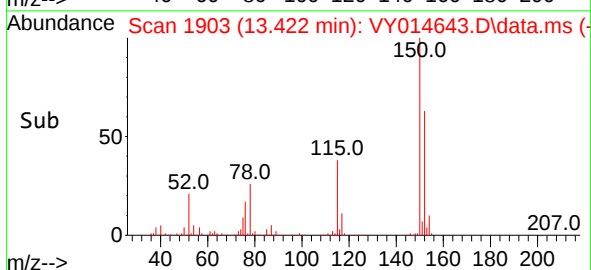
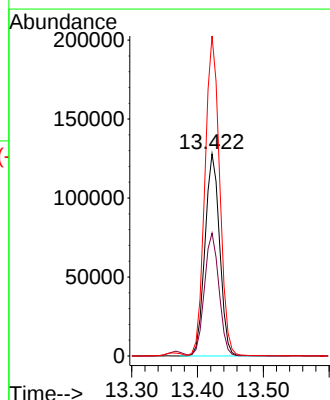
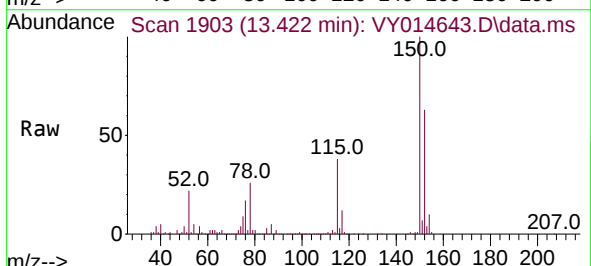
RT: 13.422 min Scan# 1903

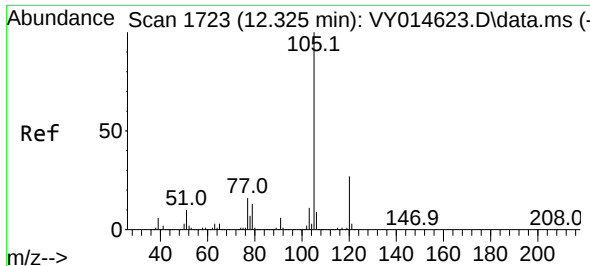
Delta R.T. -0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

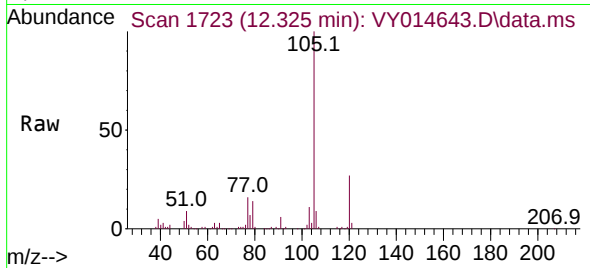
Tgt Ion:	152	Resp:	198066
Ion Ratio	Lower	Upper	
152	100		
115	60.0	28.8	86.5
150	159.0	0.0	348.8





#73
Isopropylbenzene
Concen: 4.122 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

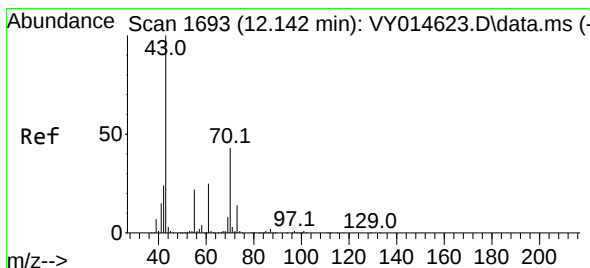
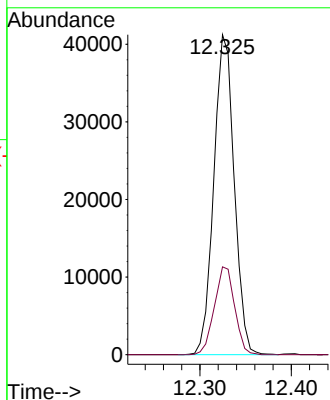
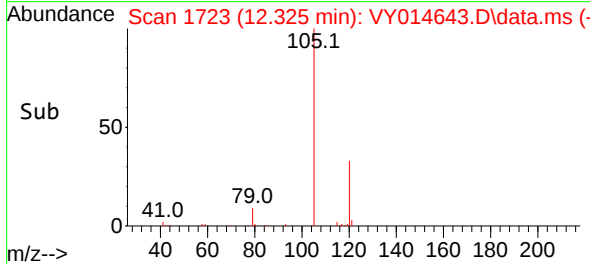
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



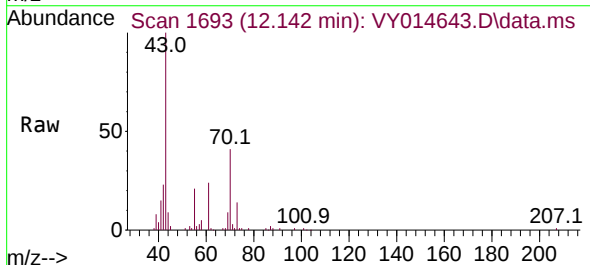
Tgt Ion:105 Resp: 63930
Ion Ratio Lower Upper
105 100
120 27.2 13.3 39.9

Manual Integrations
APPROVED

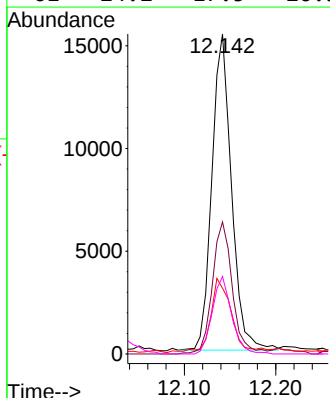
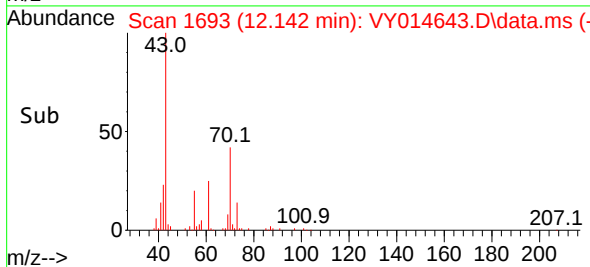
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

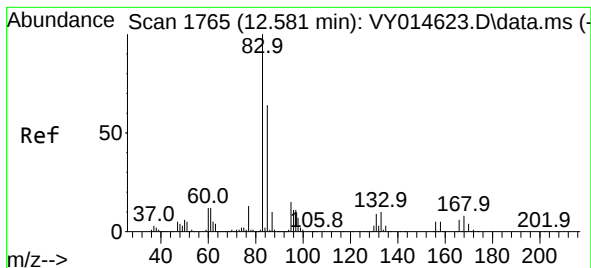


#74
N-ethyl acetate
Concen: 4.415 ug/l
RT: 12.142 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27



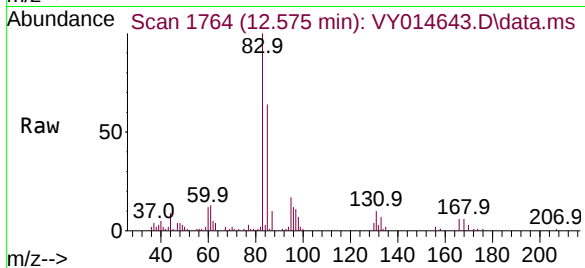
Tgt Ion: 43 Resp: 22931
Ion Ratio Lower Upper
43 100
70 42.5 29.7 44.5
55 24.6 18.3 27.5
61 24.2 17.5 26.3





#75
1,1,2,2-Tetrachloroethane
Concen: 4.357 ug/l
RT: 12.575 min Scan# 1764
Delta R.T. -0.006 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

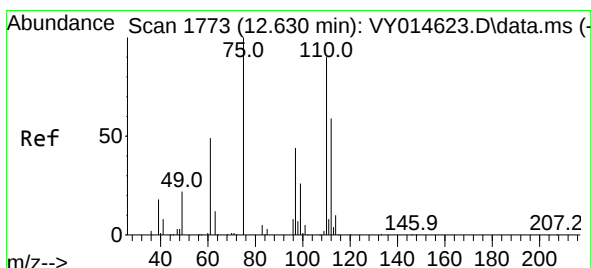
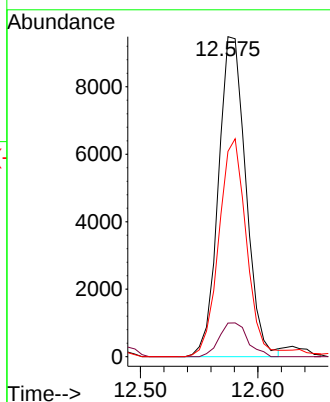
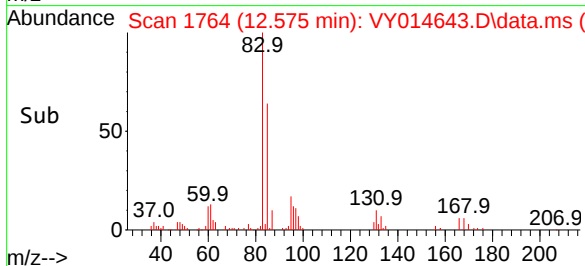
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



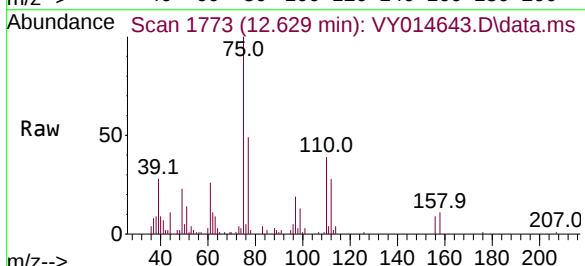
Tgt Ion: 83 Resp: 15408
Ion Ratio Lower Upper
83 100
131 10.9 5.4 16.2
85 71.3 31.8 95.4

Manual Integrations
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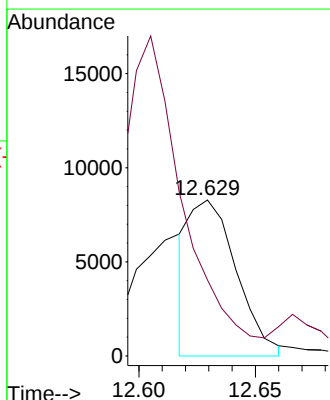
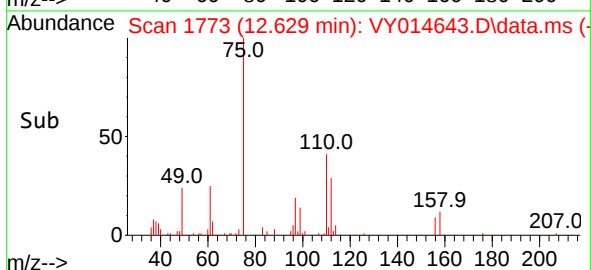
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023

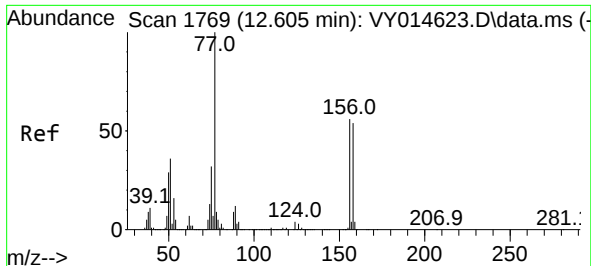


#76
1,2,3-Trichloropropane
Concen: 4.657 ug/l m
RT: 12.629 min Scan# 1773
Delta R.T. -0.001 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27



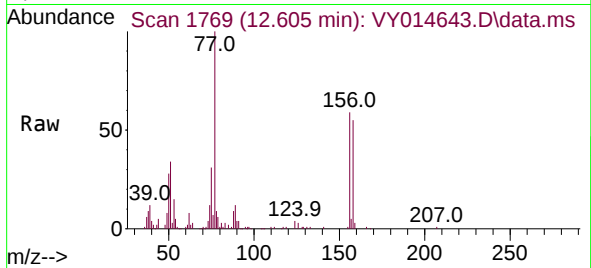
Tgt Ion: 75 Resp: 11649
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77
Bromobenzene
Concen: 4.389 ug/l
RT: 12.605 min Scan# 1769
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

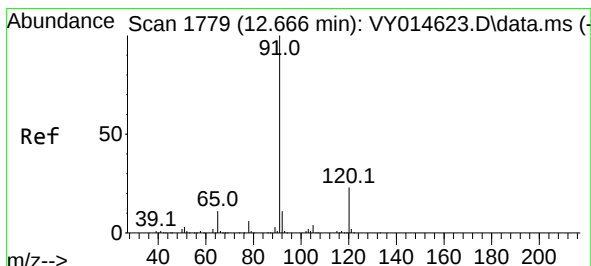
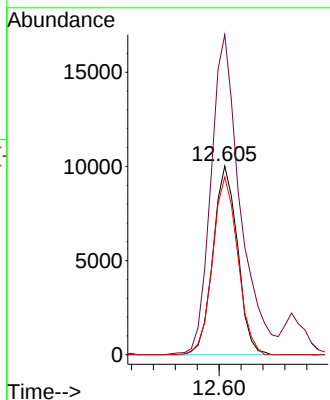
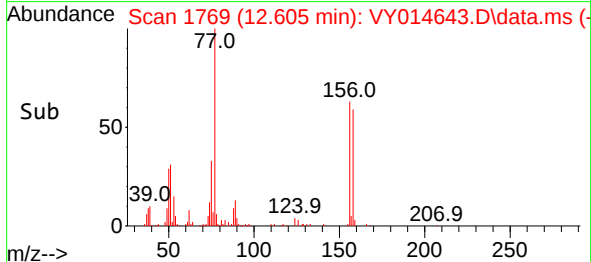
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion:156 Resp: 15539
Ion Ratio Lower Upper
156 100
77 203.5 92.8 278.6
158 96.6 48.4 145.3

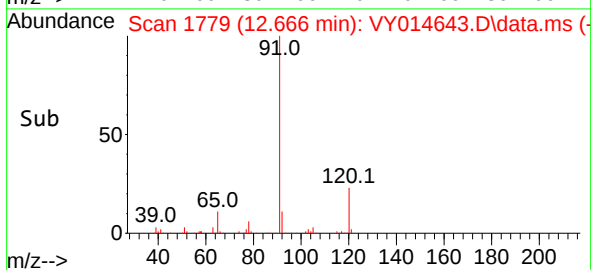
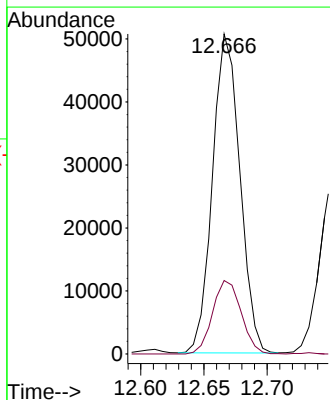
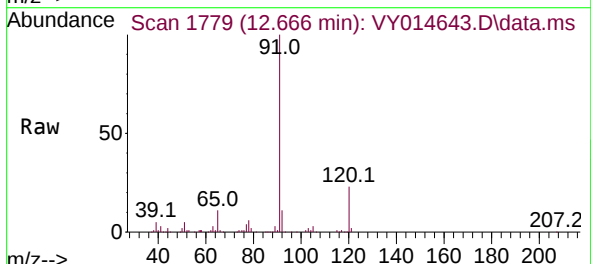
Manual Integrations
APPROVED

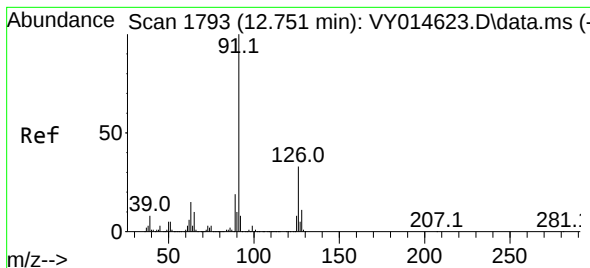
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#78
n-propylbenzene
Concen: 4.080 ug/l
RT: 12.666 min Scan# 1779
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion: 91 Resp: 76243
Ion Ratio Lower Upper
91 100
120 24.0 11.5 34.4





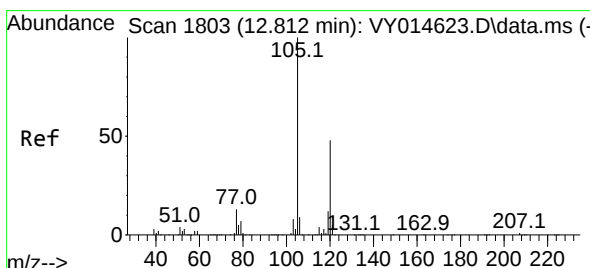
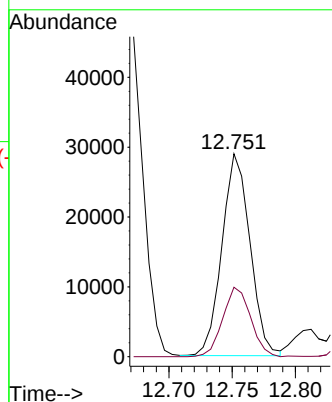
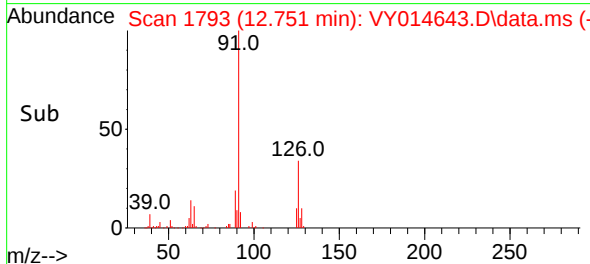
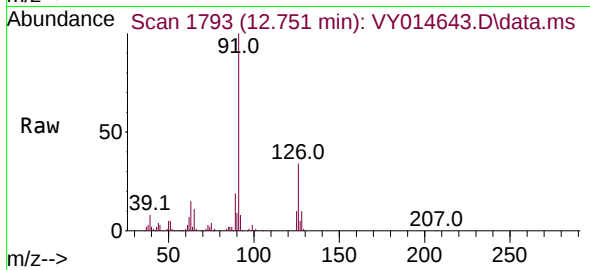
#79
2-Chlorotoluene
Concen: 4.146 ug/l
RT: 12.751 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

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

Tgt Ion: 91 Resp: 44620
Ion Ratio Lower Upper
91 100
126 34.3 17.3 51.7

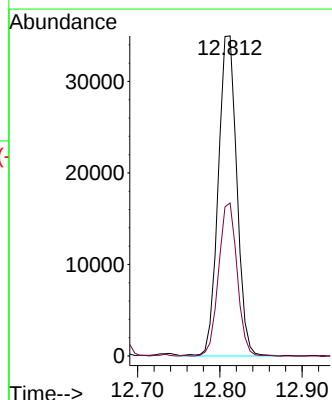
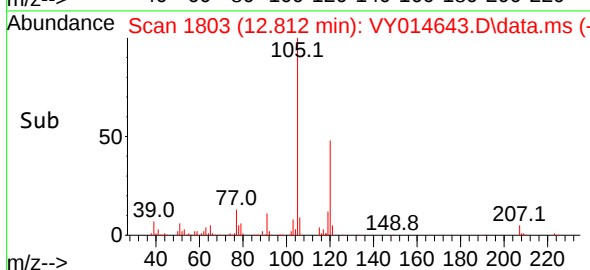
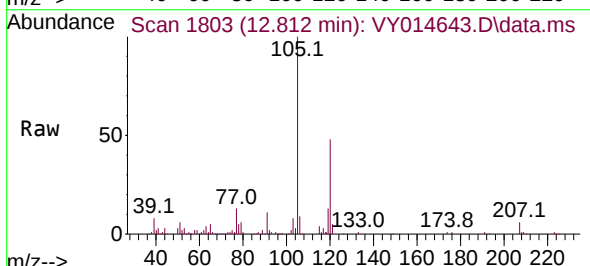
Manual Integrations
APPROVED

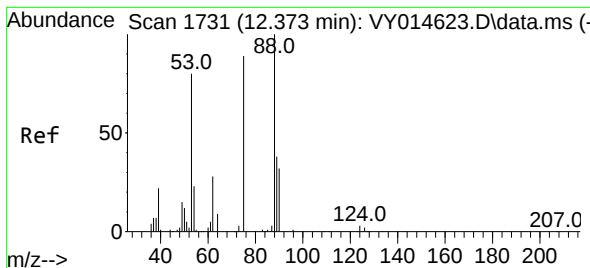
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#80
1,3,5-Trimethylbenzene
Concen: 4.244 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

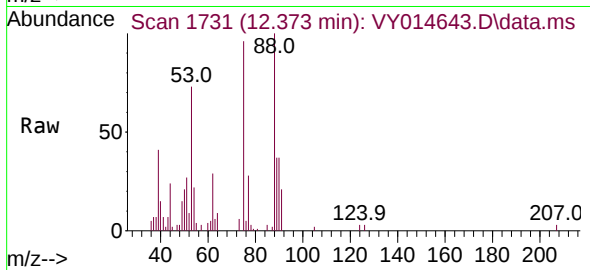
Tgt Ion:105 Resp: 54965
Ion Ratio Lower Upper
105 100
120 47.6 23.9 71.7





#81
trans-1,4-Dichloro-2-butene
Concen: 4.410 ug/l
RT: 12.373 min Scan# 1731
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

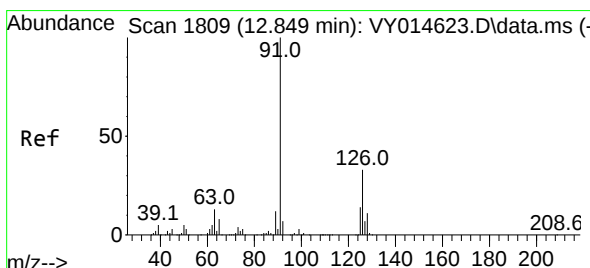
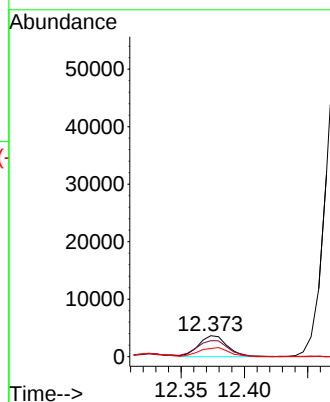
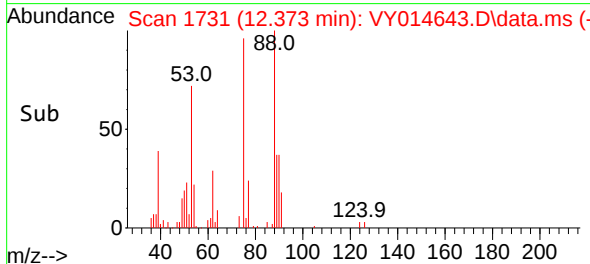
Instrument : MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



Tgt Ion: 75 Resp: 5698
Ion Ratio Lower Upper
75 100
53 87.3 77.8 116.8
89 45.1 37.4 56.0

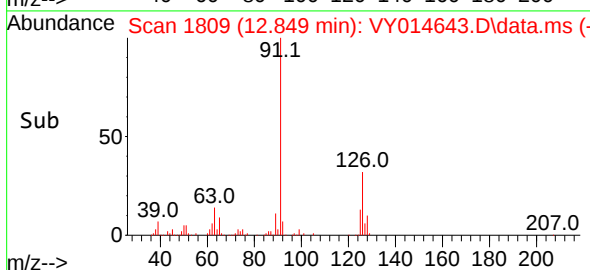
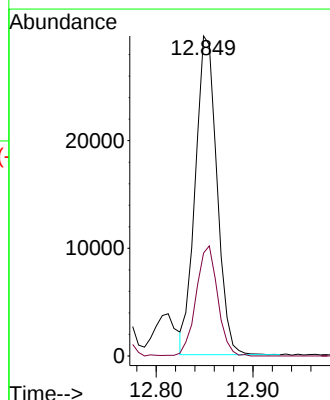
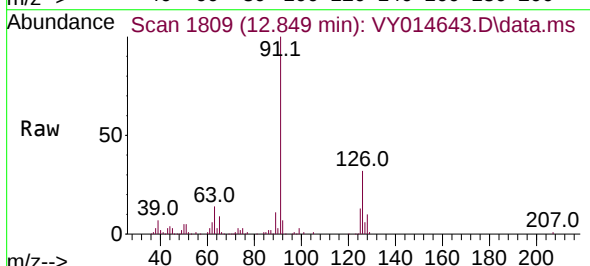
Manual Integrations
APPROVED

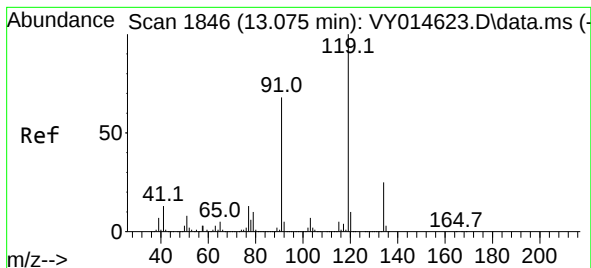
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#82
4-Chlorotoluene
Concen: 4.162 ug/l
RT: 12.849 min Scan# 1809
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion: 91 Resp: 46142
Ion Ratio Lower Upper
91 100
126 34.4 17.2 51.6





#83

tert-Butylbenzene

Concen: 4.156 ug/l

RT: 13.068 min Scan# 1846

Delta R.T. -0.007 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

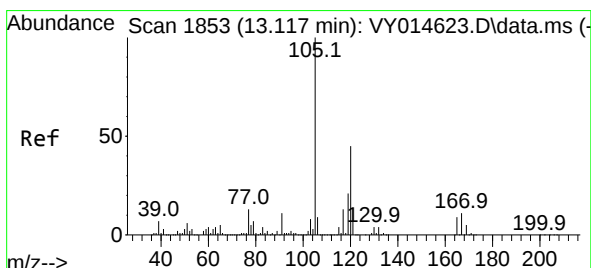
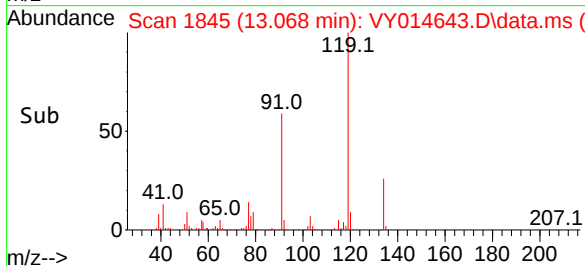
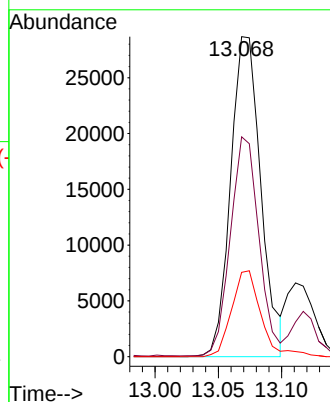
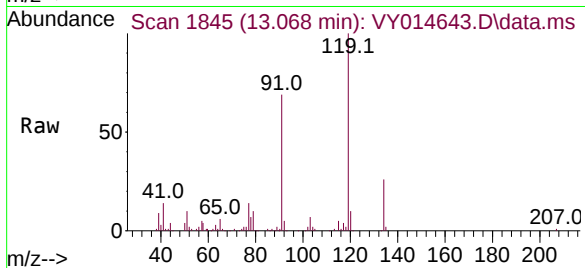
Tgt Ion:	119	Resp:	47750
Ion	Ratio	Lower	Upper
119	100		
91	64.5	32.9	98.6
134	26.2	13.0	38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#84

1,2,4-Trimethylbenzene

Concen: 4.309 ug/l

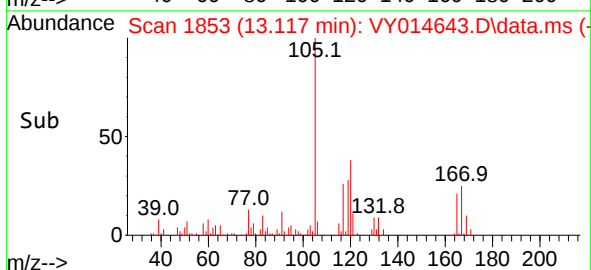
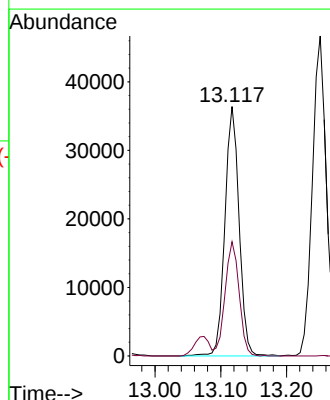
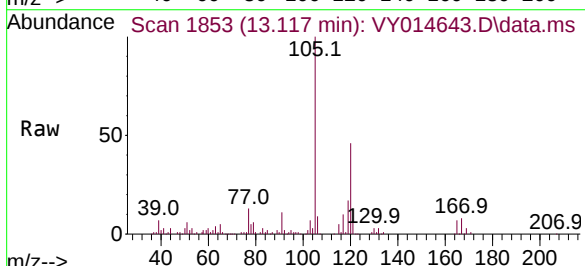
RT: 13.117 min Scan# 1853

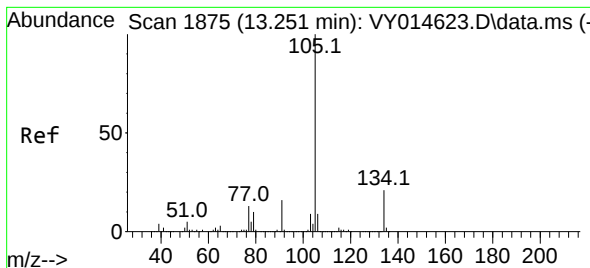
Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Tgt Ion:	105	Resp:	54765
Ion	Ratio	Lower	Upper
105	100		
120	45.4	22.2	66.6





#85

sec-Butylbenzene

Concen: 4.086 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

Tgt Ion:105 Resp: 6886

Ion Ratio Lower Upper

105 100

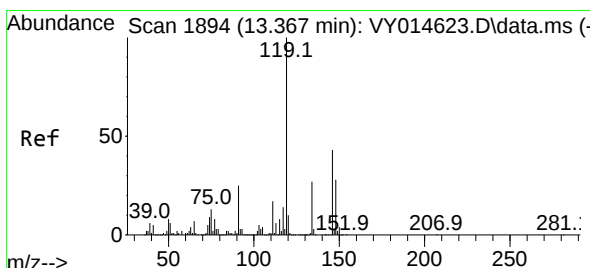
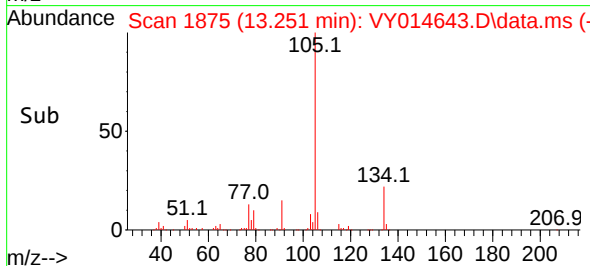
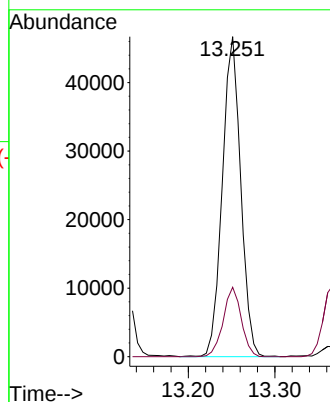
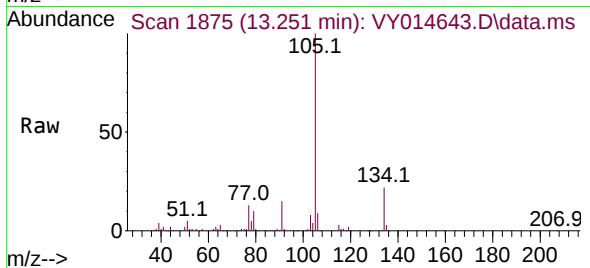
134 21.3 10.2 30.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#86

p-Isopropyltoluene

Concen: 4.184 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

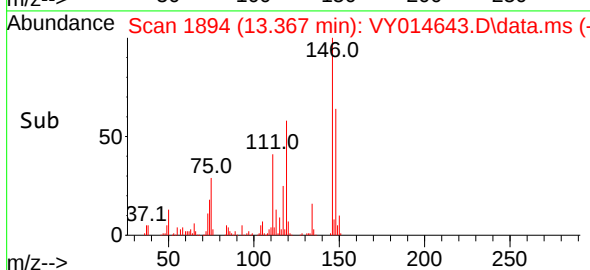
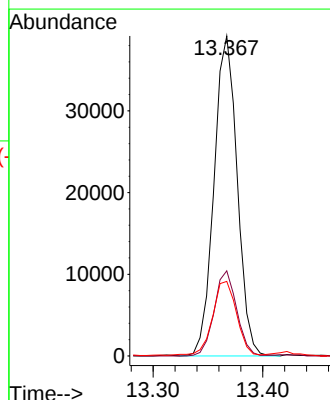
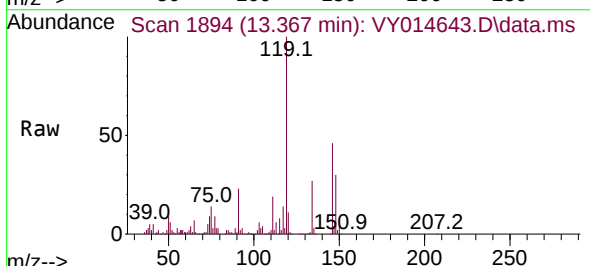
Tgt Ion:119 Resp: 57574

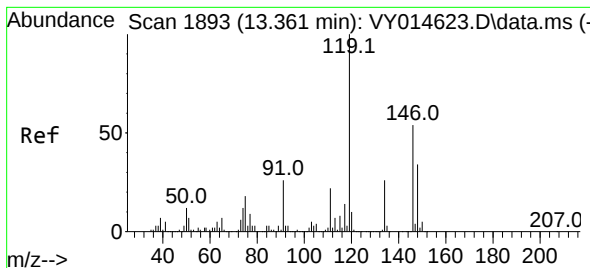
Ion Ratio Lower Upper

119 100

134 25.8 13.3 39.8

91 24.7 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 4.423 ug/l

RT: 13.361 min Scan# 1893

Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023

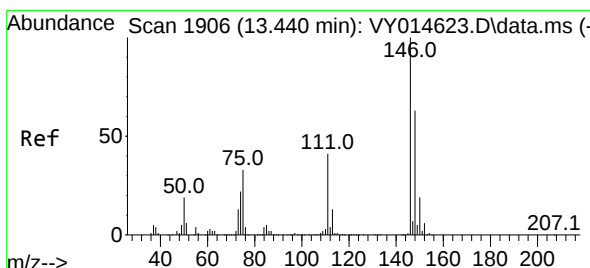
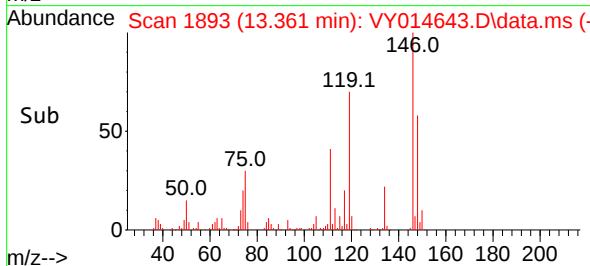
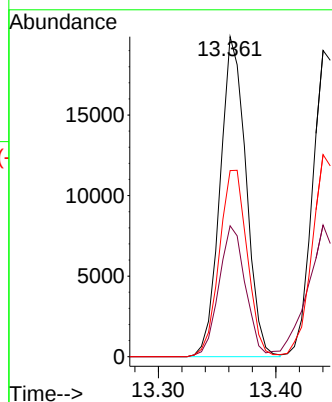
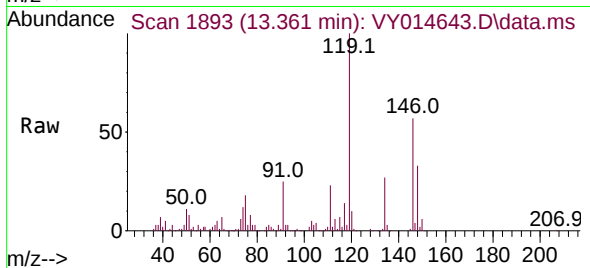
Tgt Ion:146	Resp:	30474
Ion Ratio	Lower	Upper
146	100	
111	41.6	19.4 58.2
148	62.6	31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#88

1,4-Dichlorobenzene

Concen: 4.457 ug/l

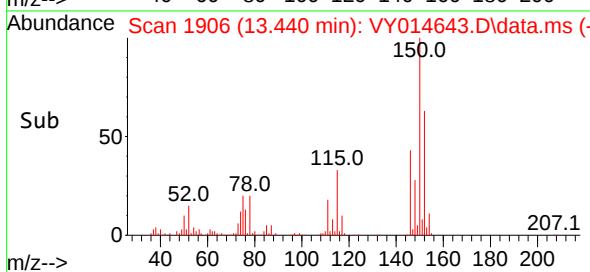
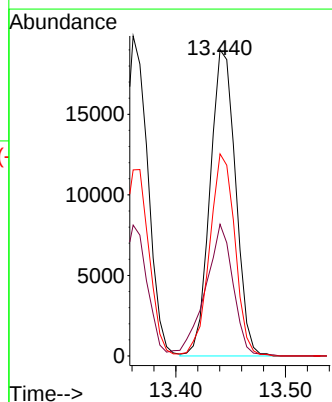
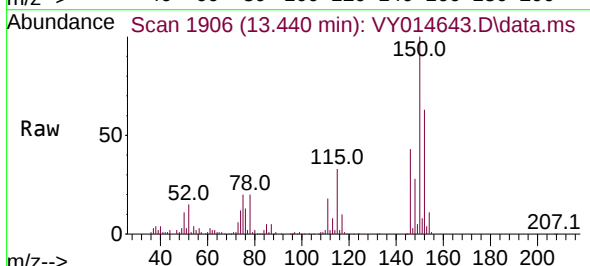
RT: 13.440 min Scan# 1906

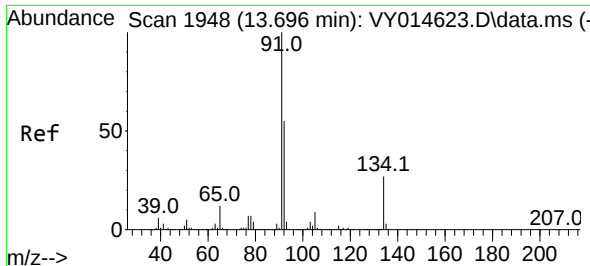
Delta R.T. 0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

Tgt Ion:146	Resp:	30773
Ion Ratio	Lower	Upper
146	100	
111	47.1	18.9 56.7
148	65.7	32.1 96.5





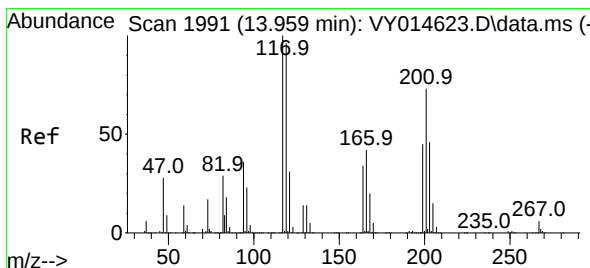
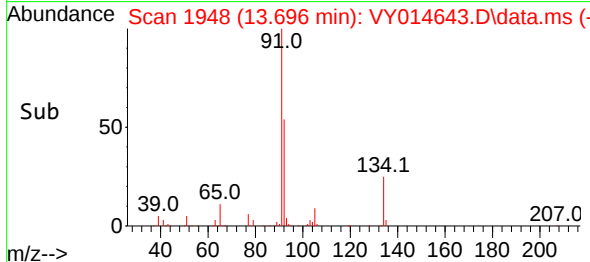
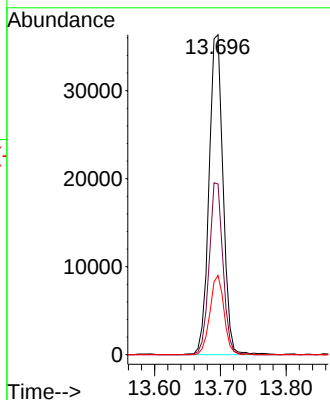
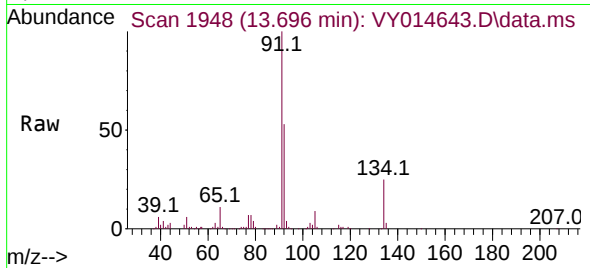
#89
n-Butylbenzene
Concen: 4.033 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

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

Tgt Ion: 91 Resp: 53994
Ion Ratio Lower Upper
91 100
92 52.6 25.4 76.0
134 24.7 12.6 37.6

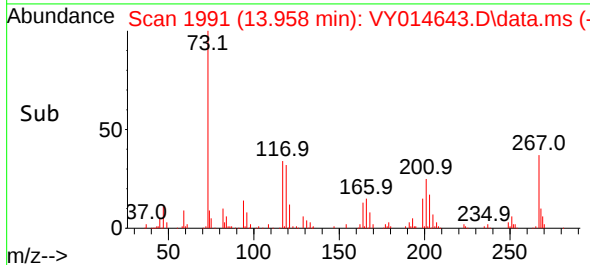
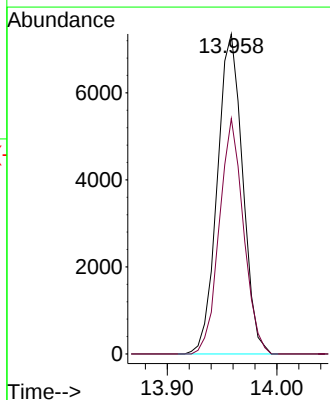
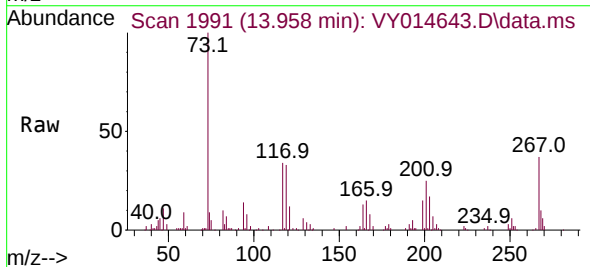
Manual Integrations
APPROVED

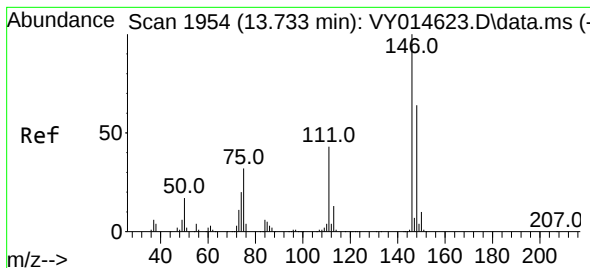
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#90
Hexachloroethane
Concen: 4.180 ug/l
RT: 13.958 min Scan# 1991
Delta R.T. -0.001 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion:117 Resp: 11815
Ion Ratio Lower Upper
117 100
201 70.1 41.6 124.8





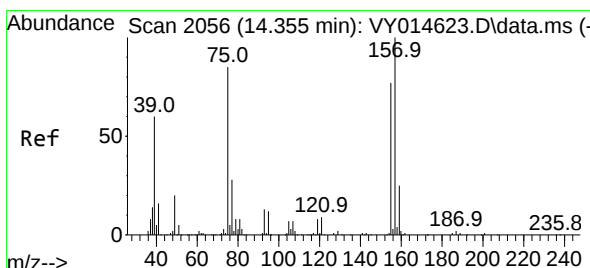
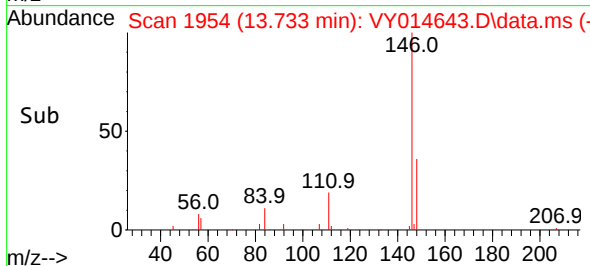
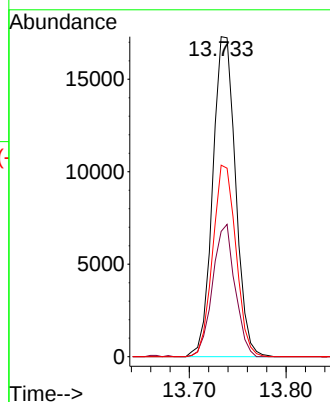
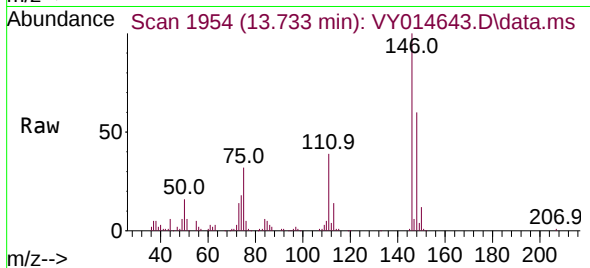
#91
1,2-Dichlorobenzene
Concen: 4.485 ug/l
RT: 13.733 min Scan# 1954
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

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

Tgt Ion:146 Resp: 2831
Ion Ratio Lower Upper
146 100
111 40.5 19.7 59.0
148 60.9 32.0 96.2

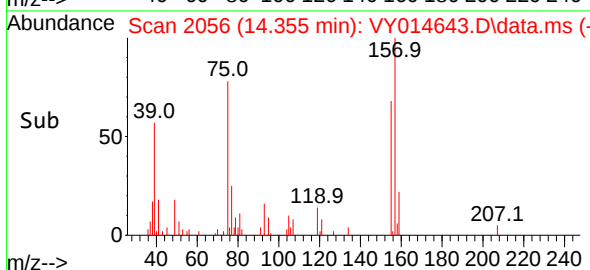
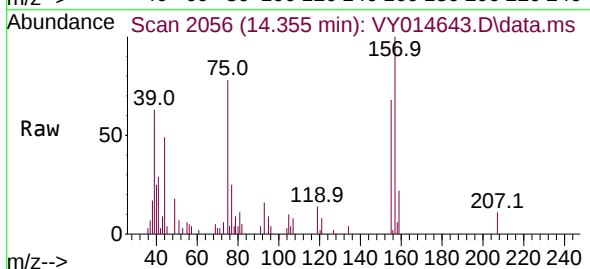
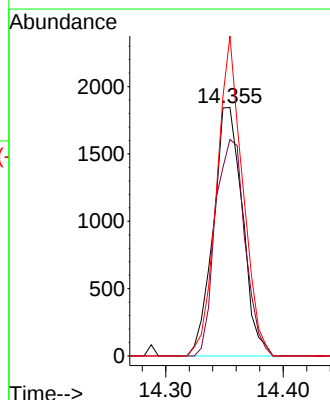
Manual Integrations
APPROVED

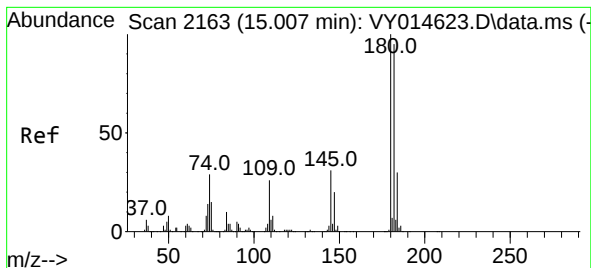
Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.703 ug/l
RT: 14.355 min Scan# 2056
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

Tgt Ion: 75 Resp: 3181
Ion Ratio Lower Upper
75 100
155 88.6 41.5 124.6
157 114.2 51.8 155.5





#93

1,2,4-Trichlorobenzene

Concen: 4.289 ug/l

RT: 15.007 min Scan# 2163

Delta R.T. 0.000 min

Lab File: VY014643.D

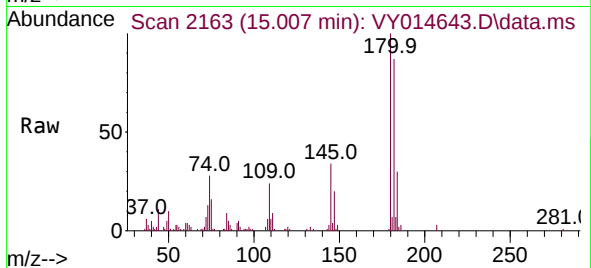
Acq: 14 Jul 2023 13:27

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2023



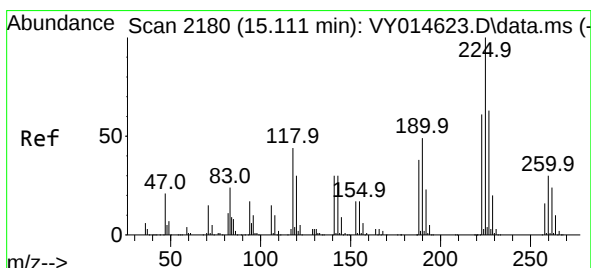
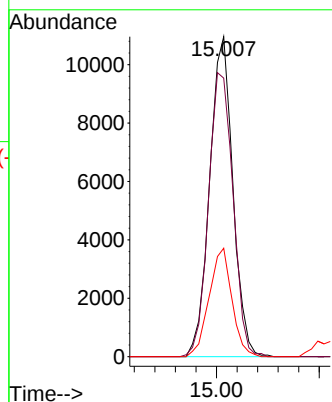
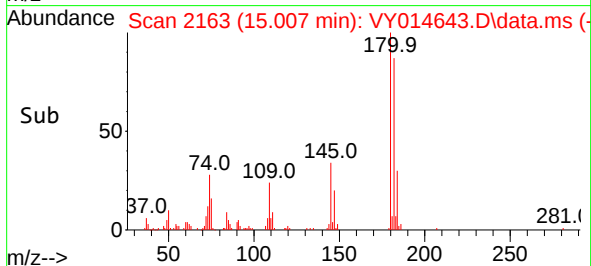
Tgt Ion:	180	Resp:	1718
Ion Ratio	Lower	Upper	
180	100		
182	93.5	47.0	141.2
145	33.4	14.5	43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Mahesh Dadoda 07/17/2023



#94

Hexachlorobutadiene

Concen: 4.048 ug/l

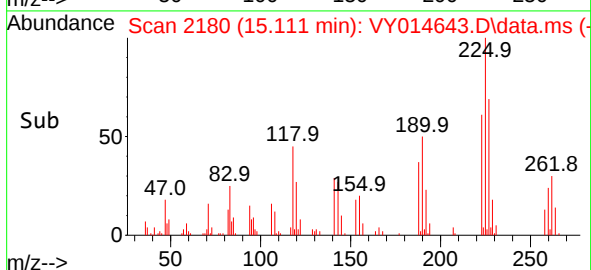
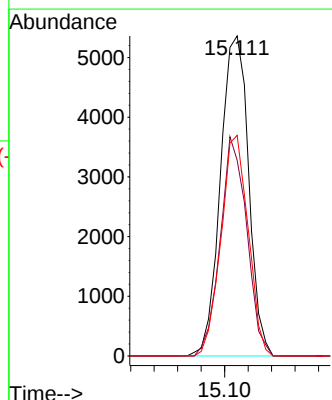
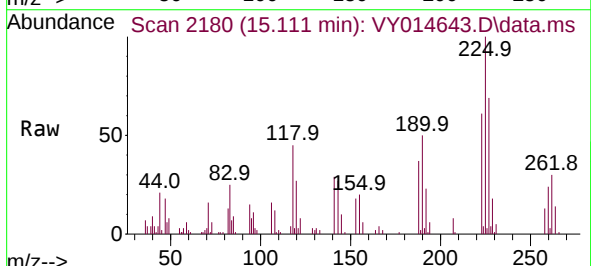
RT: 15.111 min Scan# 2180

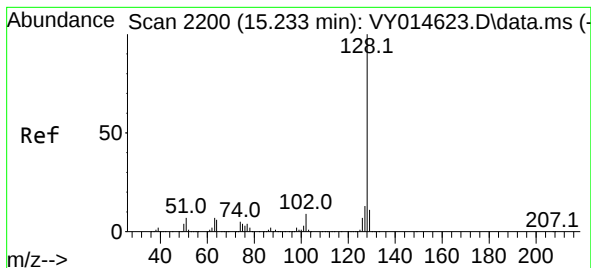
Delta R.T. -0.000 min

Lab File: VY014643.D

Acq: 14 Jul 2023 13:27

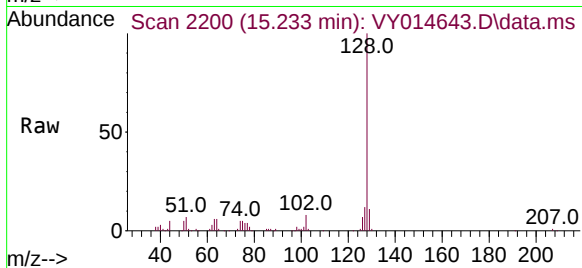
Tgt Ion:	225	Resp:	8913
Ion Ratio	Lower	Upper	
225	100		
223	64.5	31.9	95.9
227	66.4	33.0	98.9





#95
Naphthalene
Concen: 4.482 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27

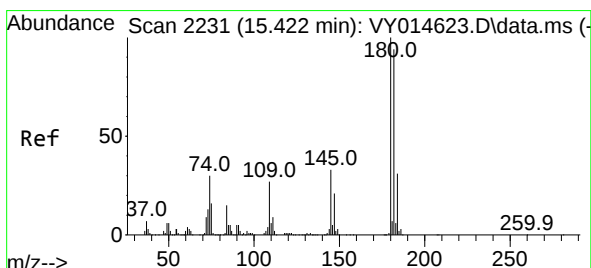
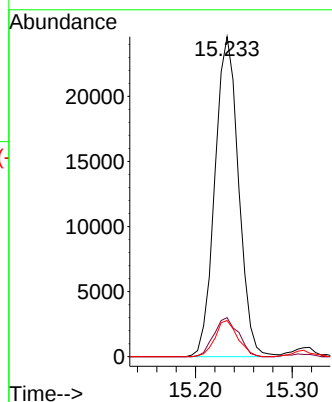
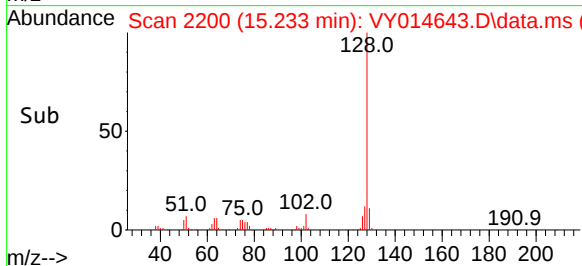
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2023



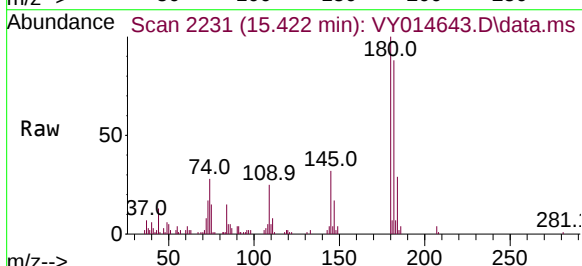
Tgt Ion:128 Resp: 41844
Ion Ratio Lower Upper
128 100
127 12.6 10.8 16.2
129 10.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/17/2023
Supervised By :Mahesh Dadoda 07/17/2023



#96
1,2,3-Trichlorobenzene
Concen: 4.382 ug/l
RT: 15.422 min Scan# 2231
Delta R.T. -0.000 min
Lab File: VY014643.D
Acq: 14 Jul 2023 13:27



Tgt Ion:180 Resp: 15604
Ion Ratio Lower Upper
180 100
182 95.1 47.3 141.8
145 33.5 15.4 46.2

