

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111721\
 Data File : VW020919.D
 Acq On : 17 Nov 2021 22:36
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Nov 18 05:31:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 05:29:41 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021

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

Internal Standards						
1) Pentafluorobenzene	7.946	168	76522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	114975	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	106743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	58194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	38026	53.647	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 107.300%			
35) Dibromofluoromethane	7.885	113	37721	52.304	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.600%			
50) Toluene-d8	10.323	98	141072	53.335	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.660%			
62) 4-Bromofluorobenzene	12.615	95	51903	52.616	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.240%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.008	85	610	4.384	ug/l	89
3) Chloromethane	2.215	50	2381	5.405	ug/l	98
4) Vinyl Chloride	2.355	62	3779	4.872	ug/l	97
5) Bromomethane	2.770	94	3226m	6.461	ug/l	
6) Chloroethane	2.916	64	1496	5.004	ug/l	98
7) Trichlorofluoromethane	3.245	101	1595	4.958	ug/l	97
8) Diethyl Ether	3.678	74	1706	5.049	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.062	101	3402	5.126	ug/l	97
10) Methyl Iodide	4.269	142	4841	4.836	ug/l	97
11) Tert butyl alcohol	5.166	59	1584m	25.365	ug/l	
12) 1,1-Dichloroethene	4.044	96	3403	5.233	ug/l	85
13) Acrolein	3.891	56	200	18.516	ug/l #	65
14) Allyl chloride	4.660	41	4826	5.169	ug/l	97
15) Acrylonitrile	5.367	53	3848	26.322	ug/l	98
16) Acetone	4.123	43	4163	28.254	ug/l	95
17) Carbon Disulfide	4.385	76	8685	4.860	ug/l	97
18) Methyl Acetate	4.672	43	3086	6.002	ug/l	97
19) Methyl tert-butyl Ether	5.422	73	6036	5.386	ug/l	92
20) Methylene Chloride	4.916	84	5605	6.811	ug/l	97
21) trans-1,2-Dichloroethene	5.422	96	3854	5.206	ug/l	89
22) Diisopropyl ether	6.312	45	9892	5.164	ug/l	98
23) Vinyl Acetate	6.257	43	26243	23.409	ug/l	97
24) 1,1-Dichloroethane	6.214	63	6184	5.074	ug/l	98
25) 2-Butanone	7.171	43	5604	26.779	ug/l	100
26) 2,2-Dichloropropane	7.171	77	4577	5.292	ug/l	90
27) cis-1,2-Dichloroethene	7.165	96	4337	5.244	ug/l	96
28) Bromochloromethane	7.513	49	2910	5.642	ug/l #	98
29) Tetrahydrofuran	7.531	42	3355	26.436	ug/l	99
30) Chloroform	7.671	83	7032	5.244	ug/l	91
31) Cyclohexane	7.952	56	6832	5.778	ug/l #	86
32) 1,1,1-Trichloroethane	7.866	97	5680	5.017	ug/l	96
36) 1,1-Dichloropropene	8.080	75	4876	4.721	ug/l	96
37) Ethyl Acetate	7.251	43	2545	5.402	ug/l	96
38) Carbon Tetrachloride	8.061	117	5486	4.993	ug/l	93
39) Methylcyclohexane	9.336	83	6163	4.752	ug/l	96
40) Benzene	8.324	78	17144	5.821	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111721\
 Data File : VW020919.D
 Acq On : 17 Nov 2021 22:36
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Nov 18 05:31:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 05:29:41 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	999	3.977	ug/l #	71
42) 1,2-Dichloroethane	8.397	62	4868	5.449	ug/l	98
43) Isopropyl Acetate	8.421	43	4810	5.202	ug/l	98
44) Trichloroethene	9.092	130	4527	5.268	ug/l	87
45) 1,2-Dichloropropane	9.366	63	3435	5.065	ug/l	93
46) Dibromomethane	9.457	93	2292	5.334	ug/l	93
47) Bromodichloromethane	9.640	83	4928	4.847	ug/l	99
48) Methyl methacrylate	9.433	41	2113	5.137	ug/l	96
49) 1,4-Dioxane	9.451	88	642	103.683	ug/l #	94
51) 4-Methyl-2-Pentanone	10.207	43	12520	26.595	ug/l	99
52) Toluene	10.384	92	9873	5.215	ug/l	98
53) t-1,3-Dichloropropene	10.610	75	4661	4.617	ug/l	94
54) cis-1,3-Dichloropropene	10.073	75	5377	4.707	ug/l	96
55) 1,1,2-Trichloroethane	10.787	97	2835	4.921	ug/l	90
56) Ethyl methacrylate	10.646	69	3783	5.157	ug/l	99
57) 1,3-Dichloropropane	10.933	76	4848	4.998	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.921	63	8922	24.166	ug/l	97
59) 2-Hexanone	10.969	43	8203	25.049	ug/l	97
60) Dibromochloromethane	11.122	129	3552	4.891	ug/l	98
61) 1,2-Dibromoethane	11.238	107	3006	5.259	ug/l	100
64) Tetrachloroethene	10.860	164	4300	5.422	ug/l #	84
65) Chlorobenzene	11.658	112	11164	5.202	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.725	131	3764	4.717	ug/l	96
67) Ethyl Benzene	11.731	91	18357	4.874	ug/l	99
68) m/p-Xylenes	11.841	106	14090	9.254	ug/l	96
69) o-Xylene	12.164	106	7116	4.984	ug/l	100
70) Styrene	12.177	104	11492	4.792	ug/l	99
71) Bromoform	12.347	173	2086	4.523	ug/l #	93
73) Isopropylbenzene	12.463	105	18571	4.670	ug/l	97
74) N-amyl acetate	12.268	43	4215	4.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.713	83	3357	4.839	ug/l	98
76) 1,2,3-Trichloropropane	12.768	75	2167m	4.145	ug/l	
77) Bromobenzene	12.743	156	4771	4.939	ug/l	94
78) n-propylbenzene	12.798	91	21815	4.658	ug/l	98
79) 2-Chlorotoluene	12.890	91	13216	4.882	ug/l	98
80) 1,3,5-Trimethylbenzene	12.939	105	15666	4.594	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	882	3.968	ug/l	88
82) 4-Chlorotoluene	12.987	91	14276	4.973	ug/l	98
83) tert-Butylbenzene	13.201	119	13636	4.474	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	15856	4.708	ug/l	99
85) sec-Butylbenzene	13.384	105	20393	4.649	ug/l	97
86) p-Isopropyltoluene	13.493	119	17186	4.545	ug/l	97
87) 1,3-Dichlorobenzene	13.499	146	9980	5.098	ug/l	96
88) 1,4-Dichlorobenzene	13.579	146	9377	4.767	ug/l	91
89) n-Butylbenzene	13.823	91	15413	4.539	ug/l	98
90) Hexachloroethane	14.091	117	3183	4.470	ug/l	85
91) 1,2-Dichlorobenzene	13.865	146	8546	4.969	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.481	75	568	4.662	ug/l	94
93) 1,2,4-Trichlorobenzene	15.127	180	5958	4.862	ug/l	98
94) Hexachlorobutadiene	15.231	225	3463	4.983	ug/l	94
95) Naphthalene	15.365	128	10760	4.737	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	5065	4.687	ug/l	94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111721\
Data File : VW020919.D
Acq On : 17 Nov 2021 22:36
Operator : SY/VA
Sample : M4068-02 5PPBL0Q
Misc : 5.00g/5.0mL/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Manual Integrations
APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

Quant Time: Nov 18 05:31:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 18 05:29:41 2021
Response via : Initial Calibration

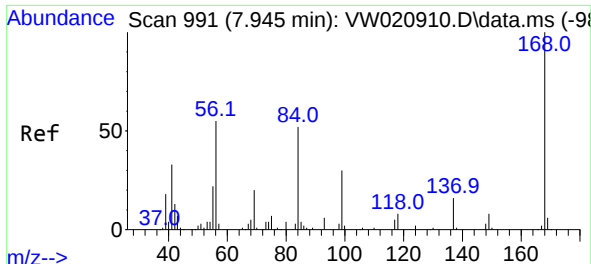
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

Manual Integrations

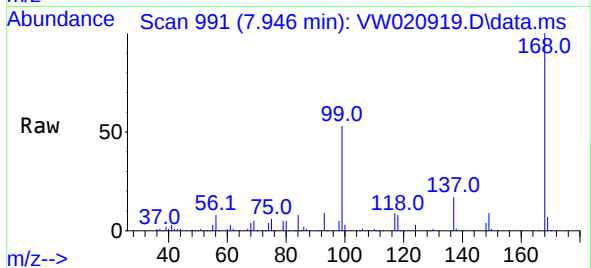
Quant Time: Nov 18 05:31:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 18 05:29:41 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.946 min Scan# 99
Delta R.T. 0.001 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

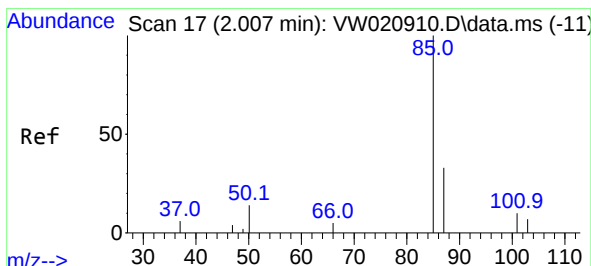
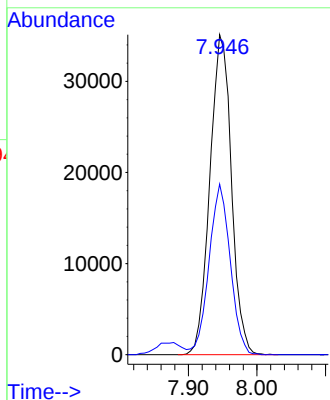
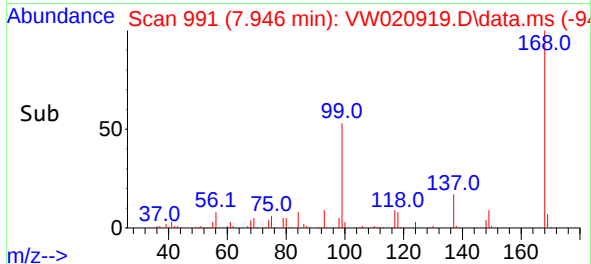
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:168 Resp: 7652
Ion Ratio Lower Upper
168 100
99 53.3 41.6 62.4

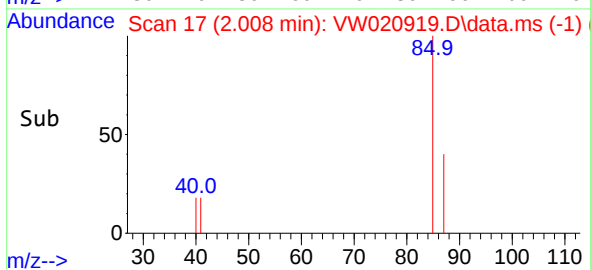
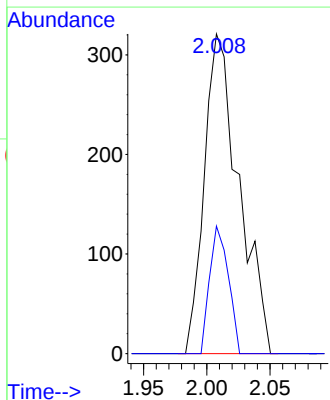
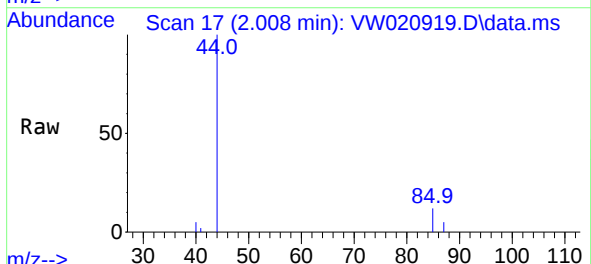
Manual Integrations
APPROVED

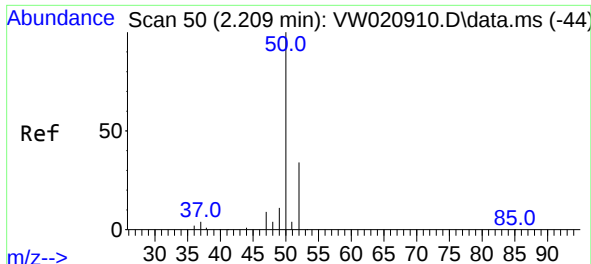
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#2
Dichlorodifluoromethane
Concen: 4.384 ug/l
RT: 2.008 min Scan# 17
Delta R.T. 0.001 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

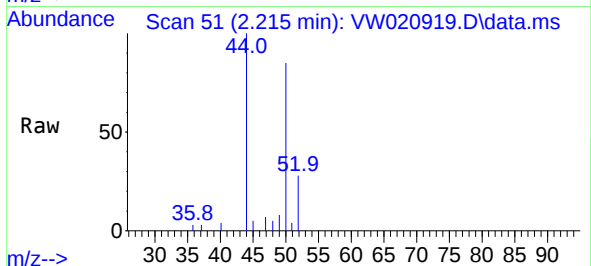
Tgt Ion: 85 Resp: 610
Ion Ratio Lower Upper
85 100
87 39.9 16.8 50.3





#3
Chloromethane
Concen: 5.405 ug/l
RT: 2.215 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

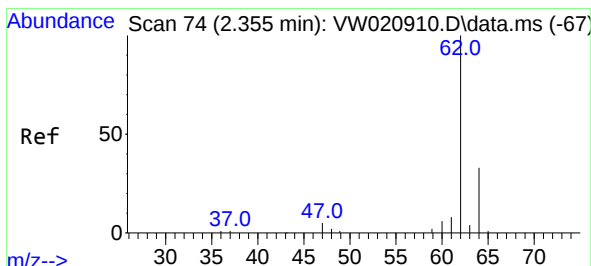
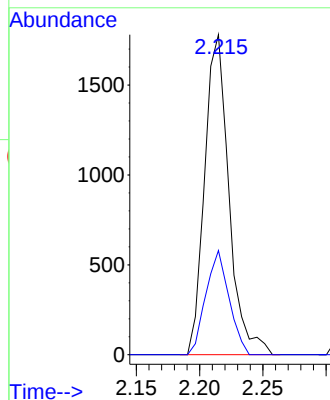
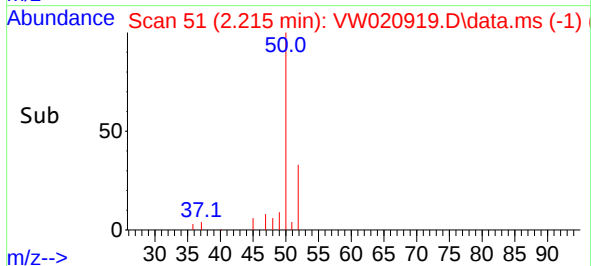
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 50 Resp: 238
Ion Ratio Lower Upper
50 100
52 32.6 27.2 40.8

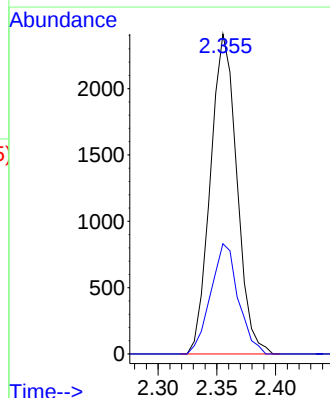
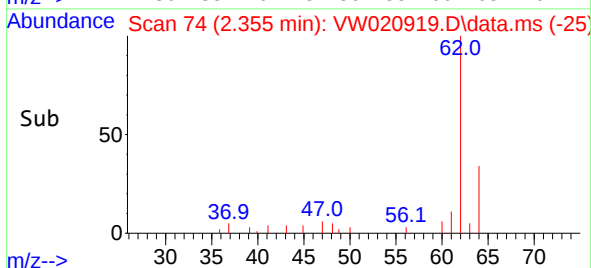
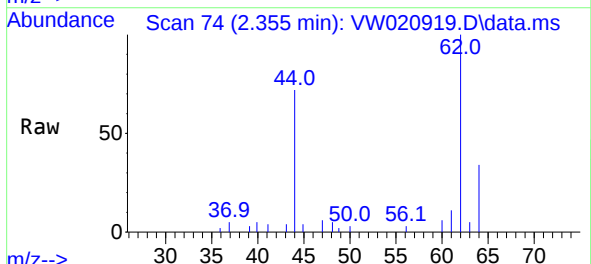
Manual Integrations
APPROVED

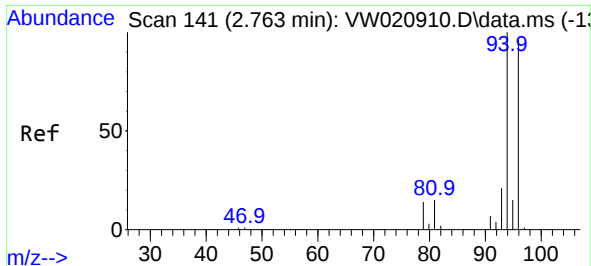
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#4
Vinyl Chloride
Concen: 4.872 ug/l
RT: 2.355 min Scan# 74
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

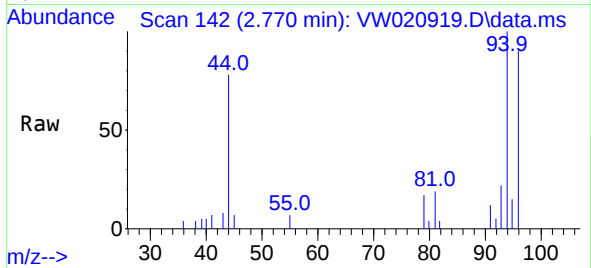
Tgt Ion: 62 Resp: 3779
Ion Ratio Lower Upper
62 100
64 34.5 26.2 39.4





#5
Bromomethane
Concen: 6.461 ug/l m
RT: 2.770 min Scan# 141
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

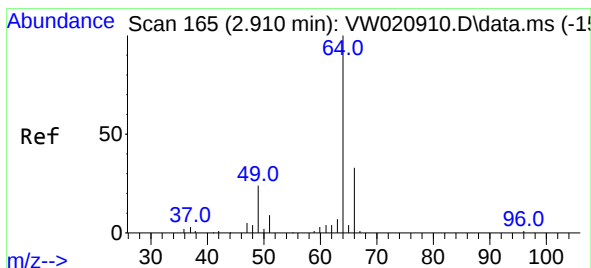
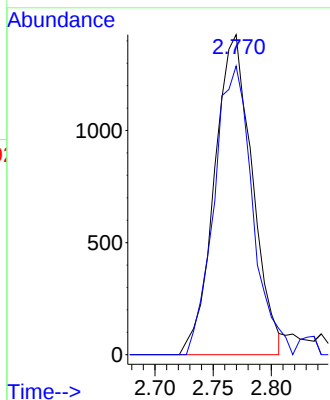
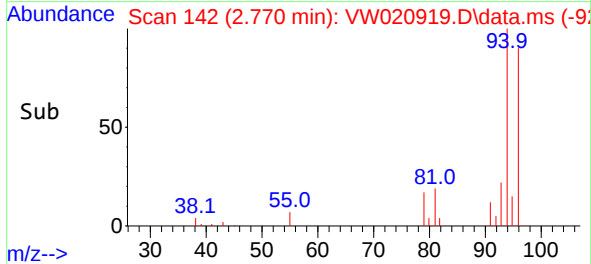
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 94 Resp: 3220
Ion Ratio Lower Upper
94 100
96 90.2 76.4 114.6

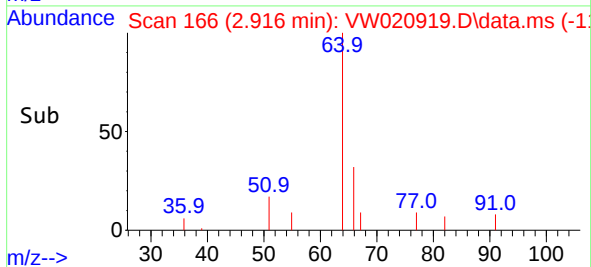
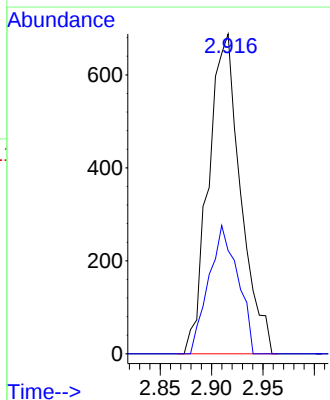
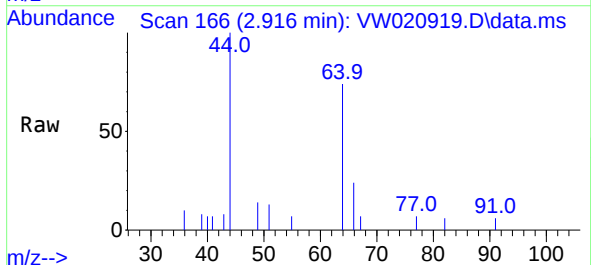
Manual Integrations
APPROVED

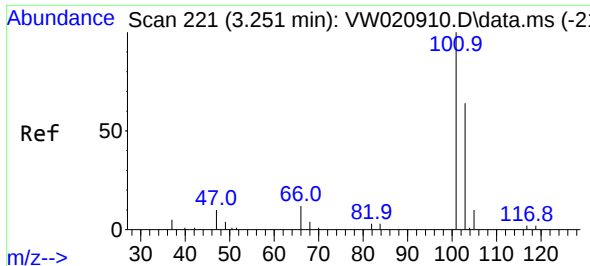
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#6
Chloroethane
Concen: 5.004 ug/l
RT: 2.916 min Scan# 166
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion: 64 Resp: 1496
Ion Ratio Lower Upper
64 100
66 32.3 26.7 40.1





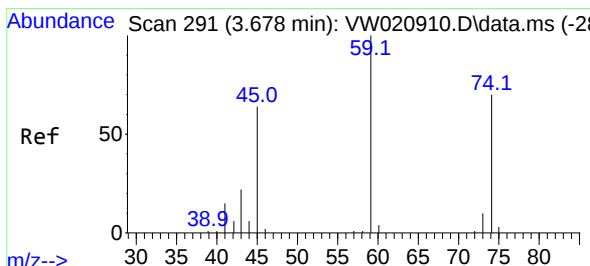
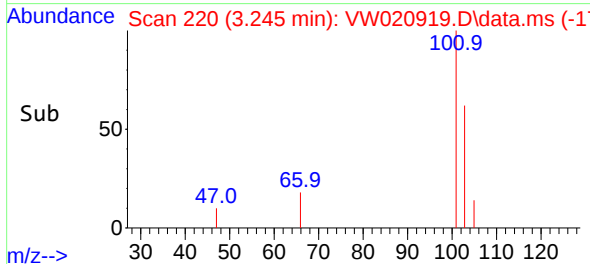
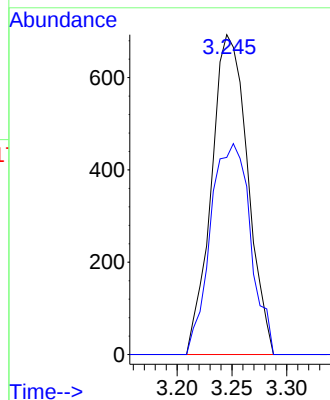
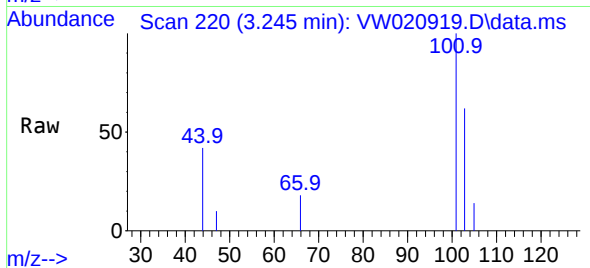
#7
Trichlorofluoromethane
Concen: 4.958 ug/l
RT: 3.245 min Scan# 219
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:101 Resp: 1598
Ion Ratio Lower Upper
101 100
103 61.6 50.9 76.3

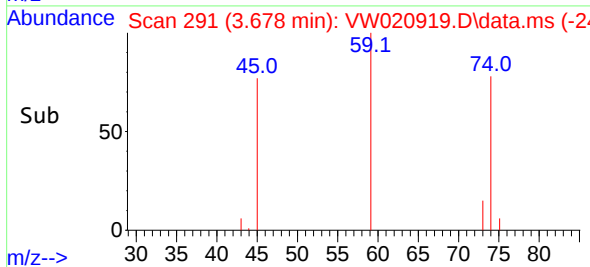
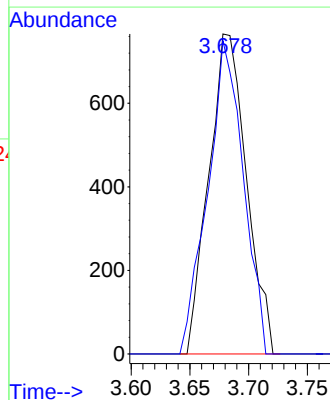
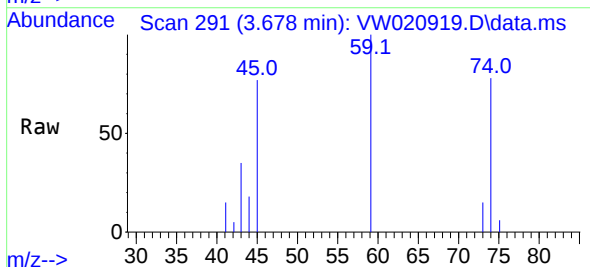
Manual Integrations
APPROVED

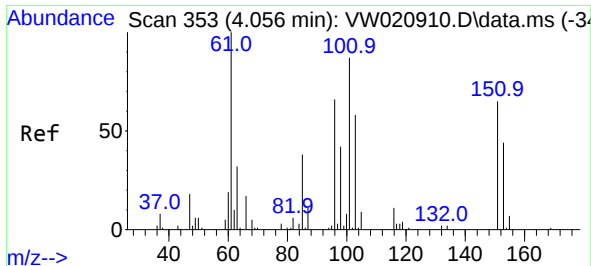
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#8
Diethyl Ether
Concen: 5.049 ug/l
RT: 3.678 min Scan# 291
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

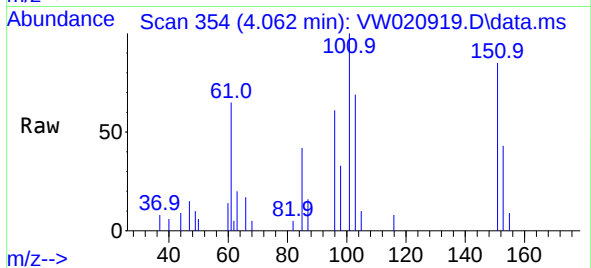
Tgt Ion: 74 Resp: 1706
Ion Ratio Lower Upper
74 100
45 92.6 45.3 135.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.126 ug/l
RT: 4.062 min Scan# 354
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

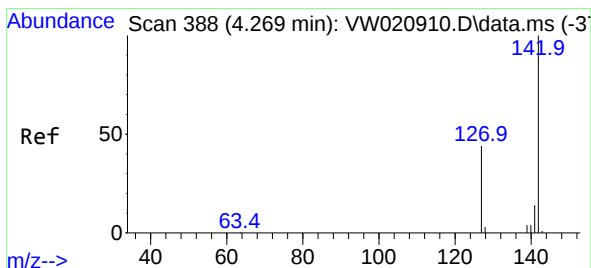
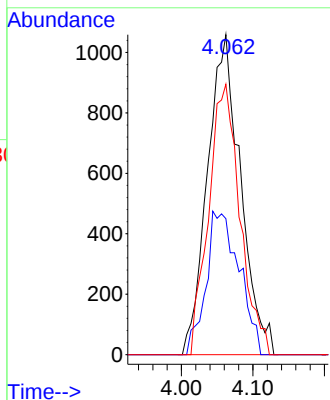
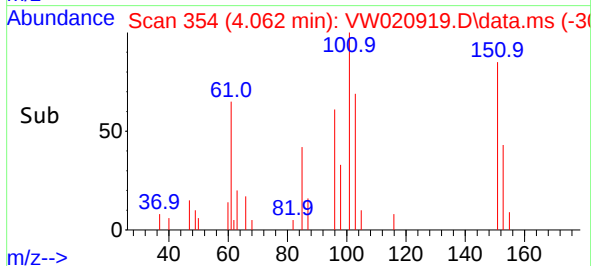
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



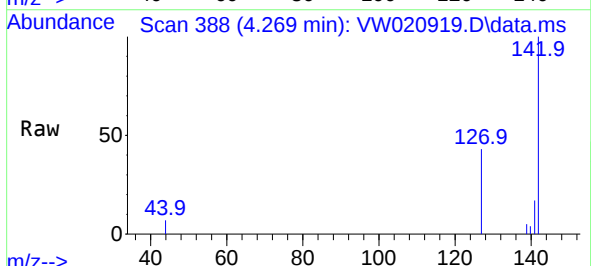
Tgt Ion:101 Resp: 340
Ion Ratio Lower Upper
101 100
85 44.8 36.6 54.8
151 79.9 66.3 99.5

Manual Integrations
APPROVED

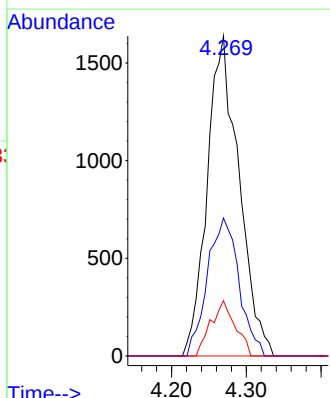
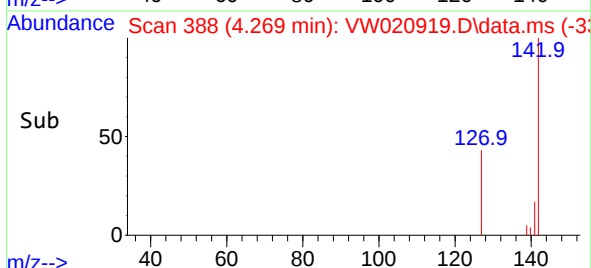
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

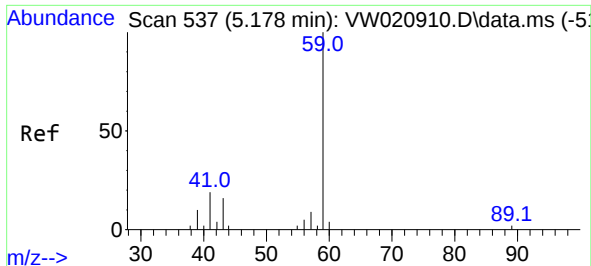


#10
Methyl Iodide
Concen: 4.836 ug/l
RT: 4.269 min Scan# 388
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



Tgt Ion:142 Resp: 4841
Ion Ratio Lower Upper
142 100
127 42.8 35.5 53.3
141 13.3 11.5 17.3





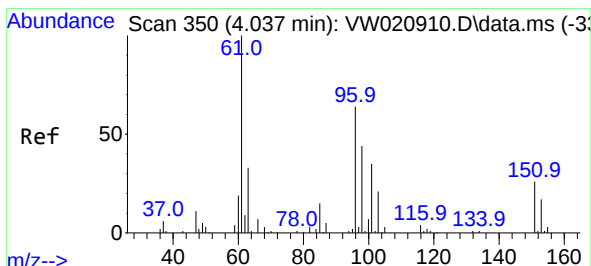
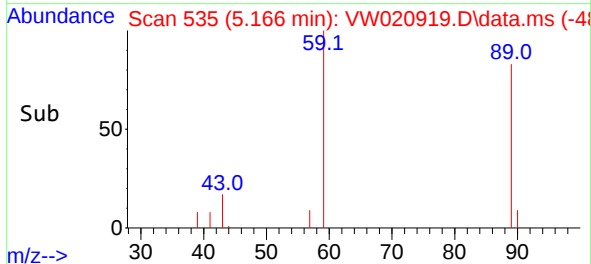
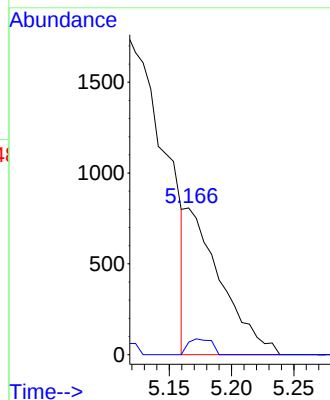
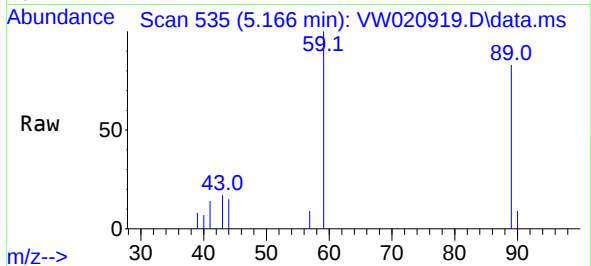
#11
Tert butyl alcohol
Concen: 25.365 ug/l m
RT: 5.166 min Scan# 51
Delta R.T. -0.012 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 59 Resp: 1584
Ion Ratio Lower Upper
59 100
57 2.9 4.3 6.5

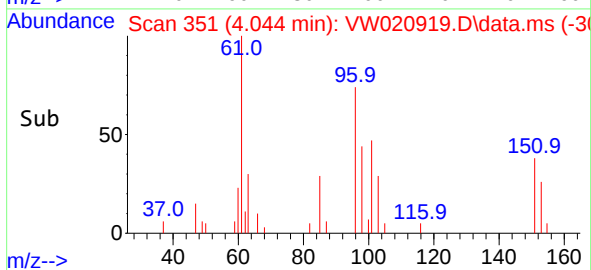
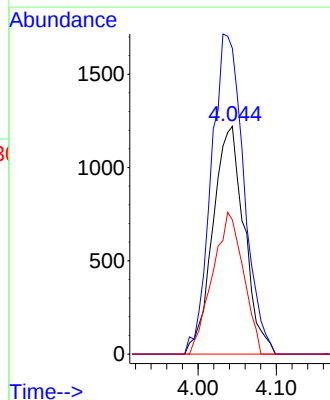
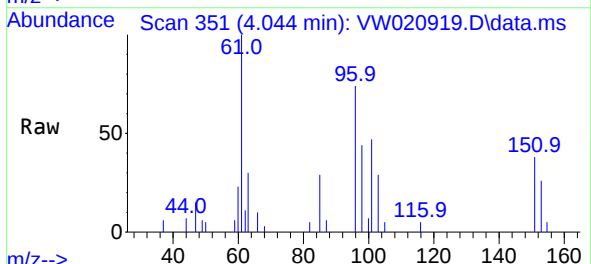
Manual Integrations
APPROVED

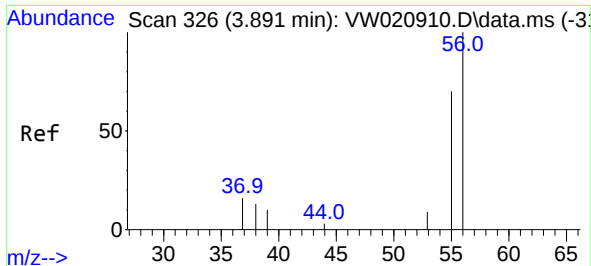
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#12
1,1-Dichloroethene
Concen: 5.233 ug/l
RT: 4.044 min Scan# 351
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

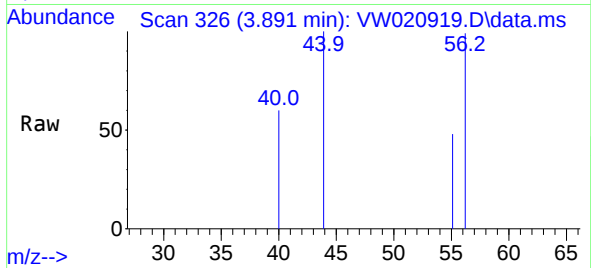
Tgt Ion: 96 Resp: 3403
Ion Ratio Lower Upper
96 100
61 134.2 124.4 186.6
98 58.9 54.2 81.2





#13
Acrolein
Concen: 18.516 ug/l
RT: 3.891 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

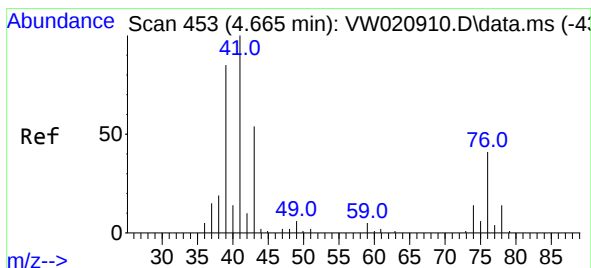
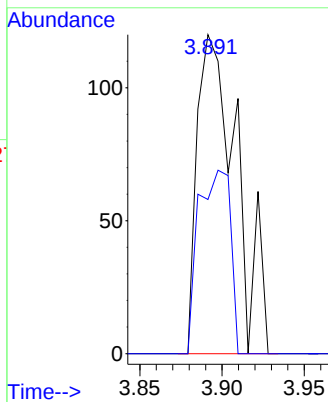
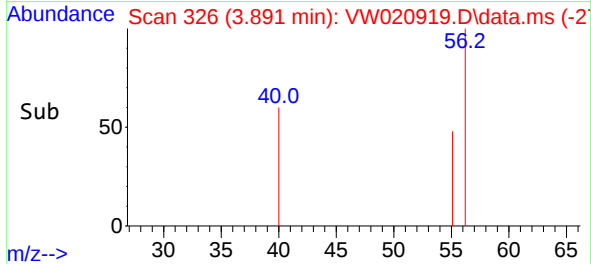
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 56 Resp: 200
Ion Ratio Lower Upper
56 100
55 46.5 61.2 91.8

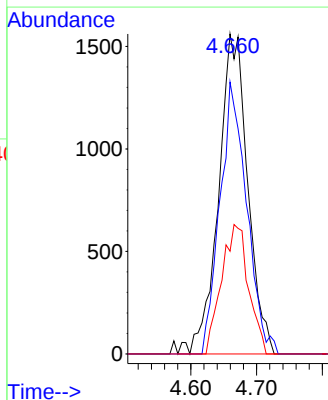
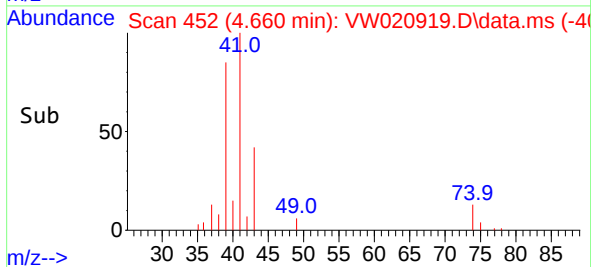
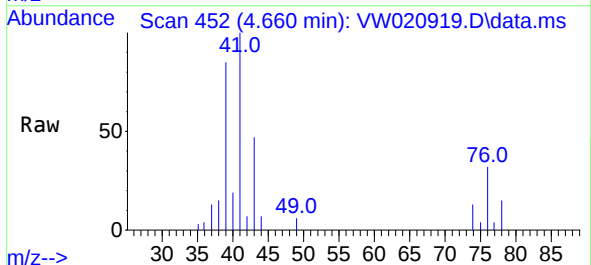
Manual Integrations
APPROVED

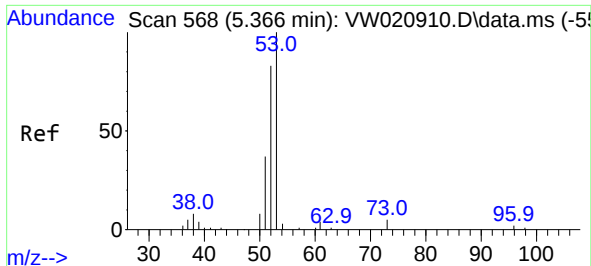
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#14
Allyl chloride
Concen: 5.169 ug/l
RT: 4.660 min Scan# 452
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

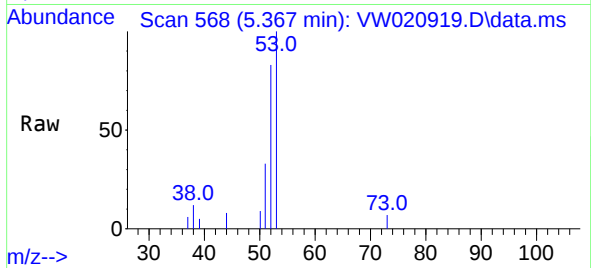
Tgt Ion: 41 Resp: 4826
Ion Ratio Lower Upper
41 100
39 77.9 63.4 95.2
76 37.4 32.2 48.4





#15
Acrylonitrile
Concen: 26.322 ug/l
RT: 5.367 min Scan# 50
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

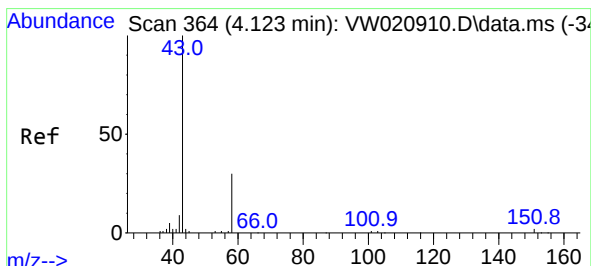
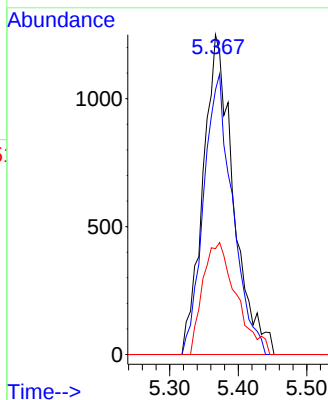
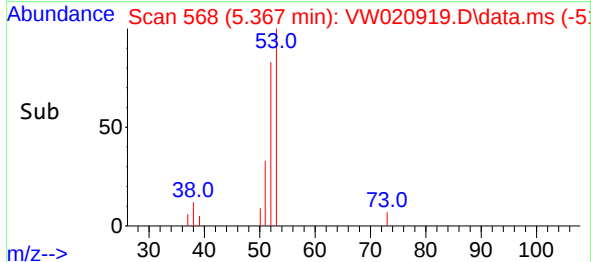
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 53 Resp: 384
Ion Ratio Lower Upper
53 100
52 83.9 65.9 98.9
51 38.9 29.8 44.6

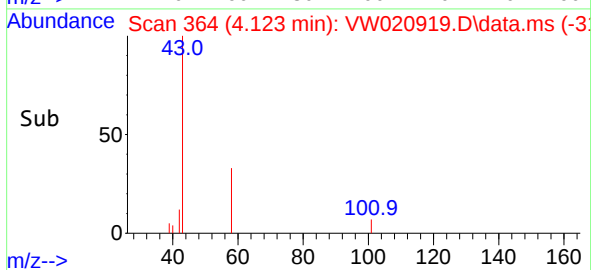
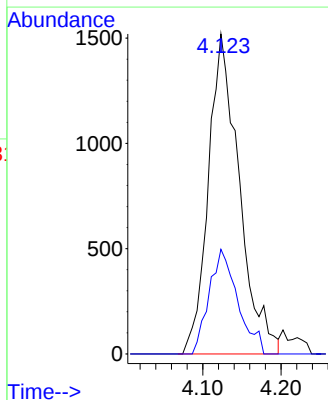
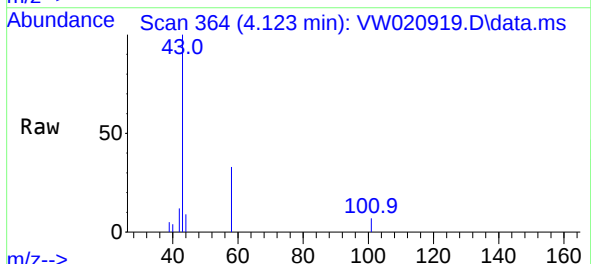
Manual Integrations
APPROVED

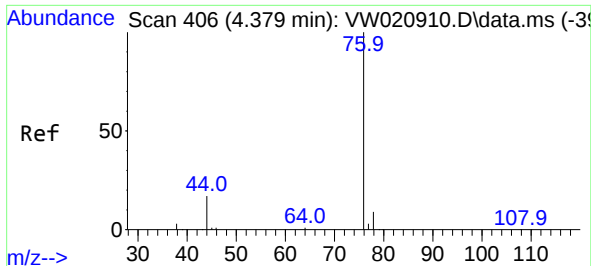
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#16
Acetone
Concen: 28.254 ug/l
RT: 4.123 min Scan# 364
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion: 43 Resp: 4163
Ion Ratio Lower Upper
43 100
58 32.7 24.2 36.2





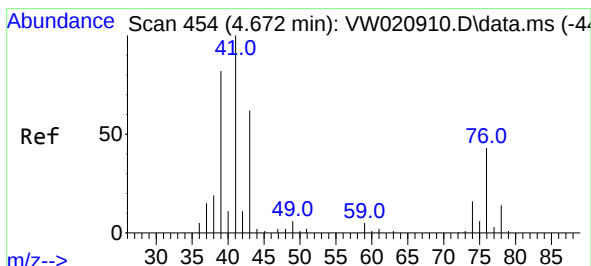
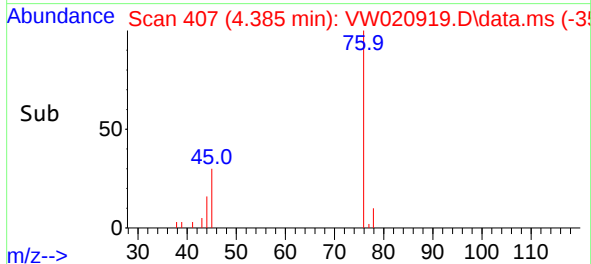
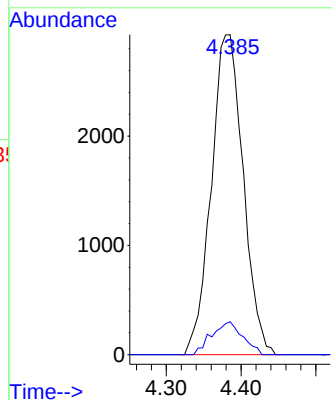
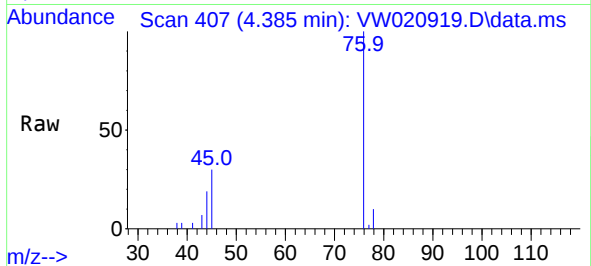
#17
Carbon Disulfide
Concen: 4.860 ug/l
RT: 4.385 min Scan# 406
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 76 Resp: 868
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9

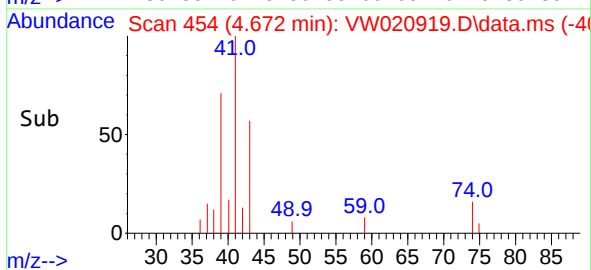
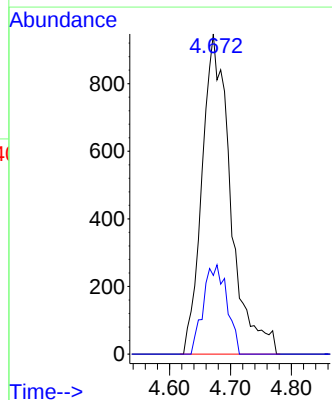
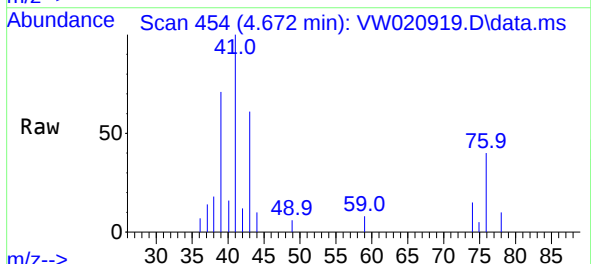
Manual Integrations
APPROVED

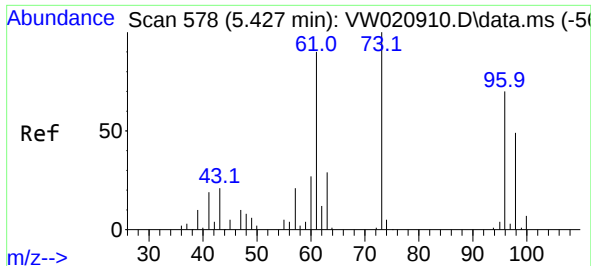
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#18
Methyl Acetate
Concen: 6.002 ug/l
RT: 4.672 min Scan# 454
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion: 43 Resp: 3086
Ion Ratio Lower Upper
43 100
74 22.9 19.7 29.5





#19

Methyl tert-butyl Ether

Concen: 5.386 ug/l

RT: 5.422 min Scan# 51

Delta R.T. -0.006 min

Lab File: VW020919.D

Acq: 17 Nov 2021 22:36

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion: 73 Resp: 603

Ion Ratio Lower Upper

73 100

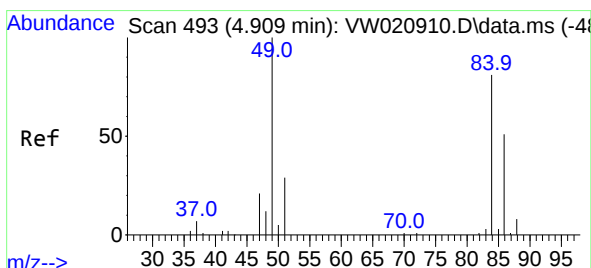
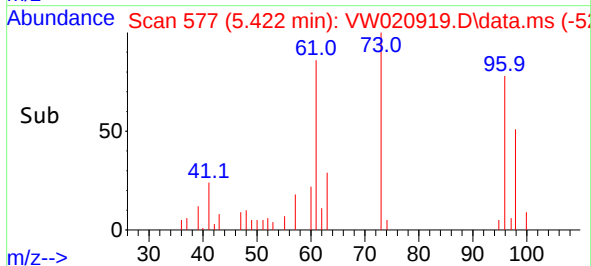
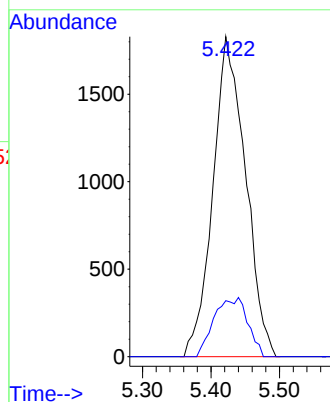
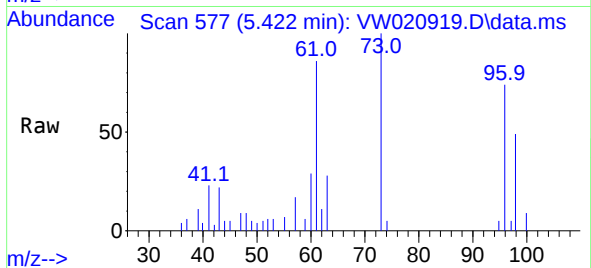
57 17.5 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/18/2021

Supervised By :Mahesh Dadoda 11/18/2021



#20

Methylene Chloride

Concen: 6.811 ug/l

RT: 4.916 min Scan# 494

Delta R.T. 0.007 min

Lab File: VW020919.D

Acq: 17 Nov 2021 22:36

Tgt Ion: 84 Resp: 5605

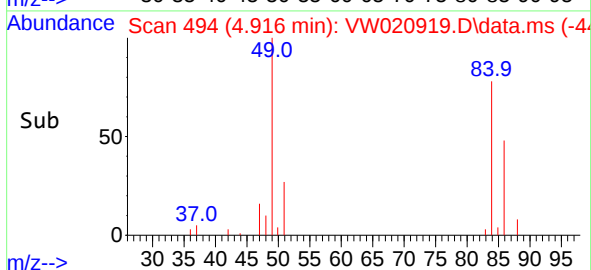
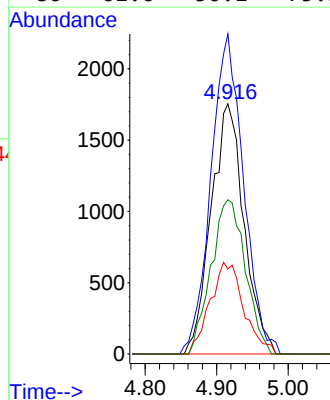
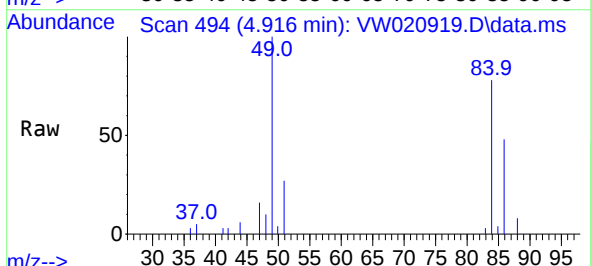
Ion Ratio Lower Upper

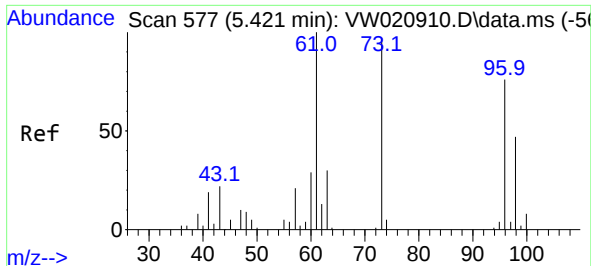
84 100

49 127.8 99.1 148.7

51 33.9 28.8 43.2

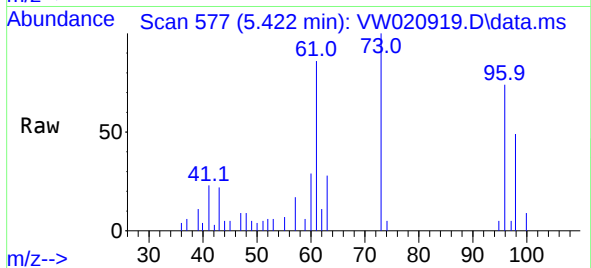
86 61.6 50.1 75.1





#21
trans-1,2-Dichloroethene
Concen: 5.206 ug/l
RT: 5.422 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

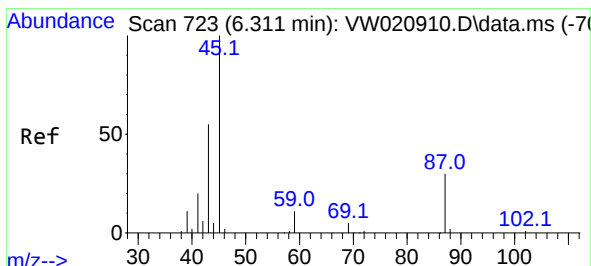
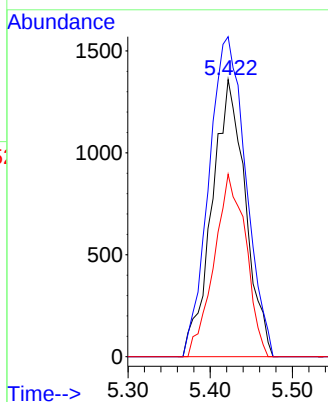
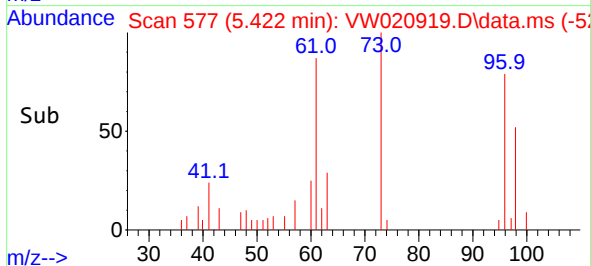
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 96 Resp: 3854
Ion Ratio Lower Upper
96 100
61 115.4 105.7 158.5
98 65.8 49.7 74.5

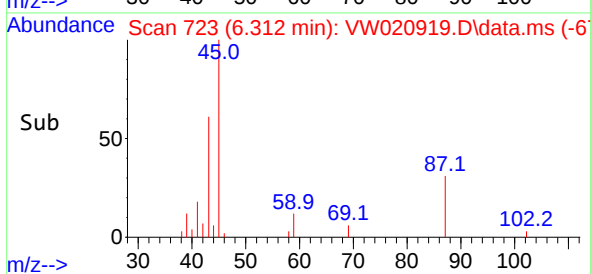
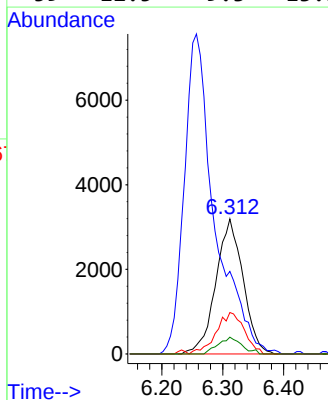
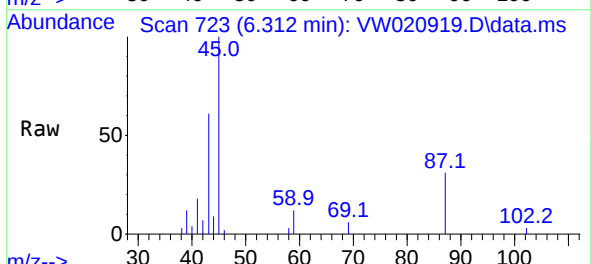
Manual Integrations
APPROVED

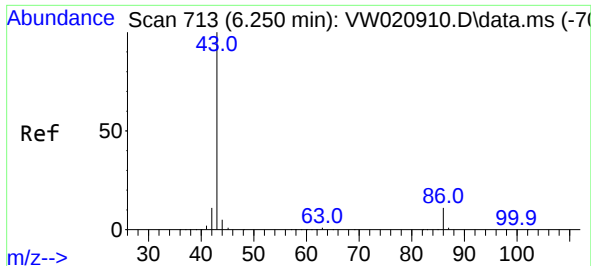
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#22
Diisopropyl ether
Concen: 5.164 ug/l
RT: 6.312 min Scan# 723
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion: 45 Resp: 9892
Ion Ratio Lower Upper
45 100
43 59.3 46.2 69.4
87 30.7 25.0 37.6
59 12.5 9.3 13.9





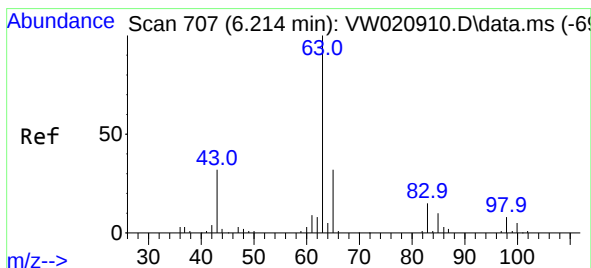
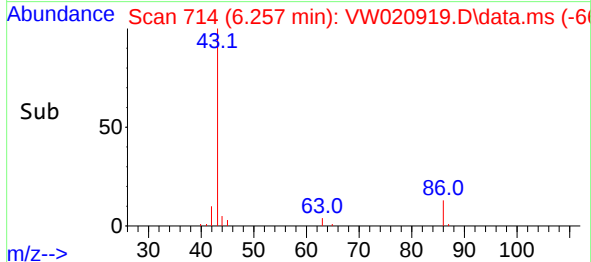
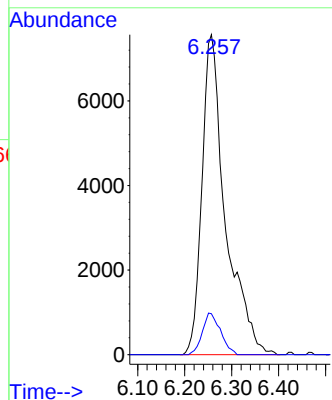
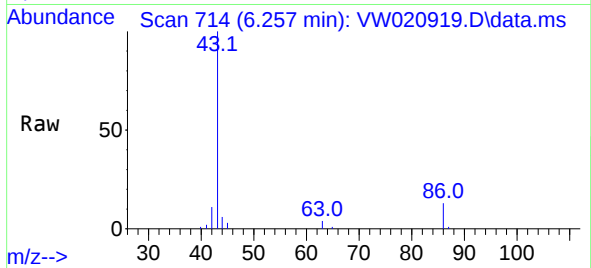
#23
Vinyl Acetate
Concen: 23.409 ug/l
RT: 6.257 min Scan# 714
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 43 Resp: 2624
Ion Ratio Lower Upper
43 100
86 12.8 9.2 13.8

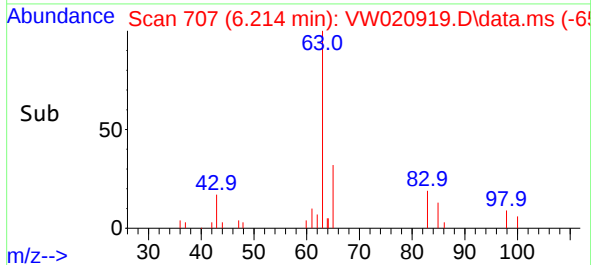
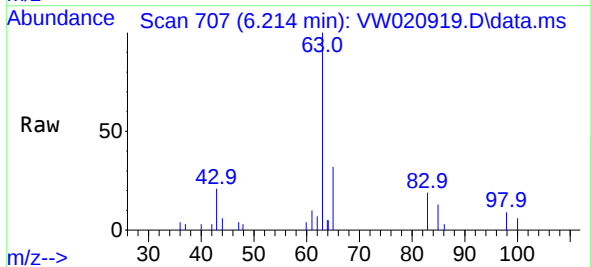
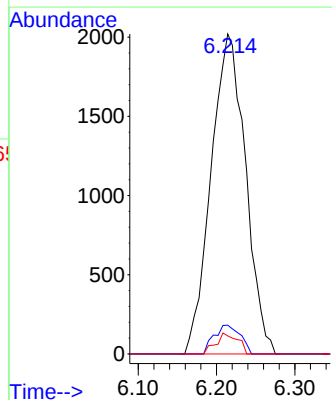
Manual Integrations
APPROVED

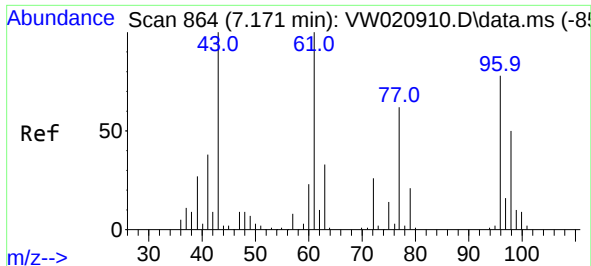
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#24
1,1-Dichloroethane
Concen: 5.074 ug/l
RT: 6.214 min Scan# 707
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

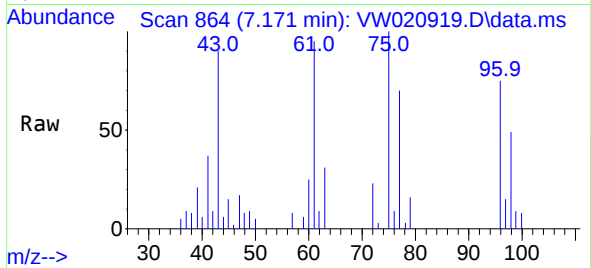
Tgt Ion: 63 Resp: 6184
Ion Ratio Lower Upper
63 100
98 9.0 4.0 12.2
100 5.6 2.6 8.0





#25
2-Butanone
Concen: 26.779 ug/l
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

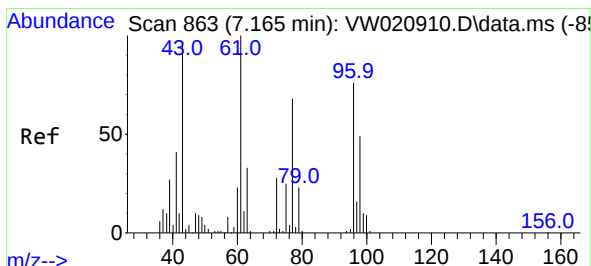
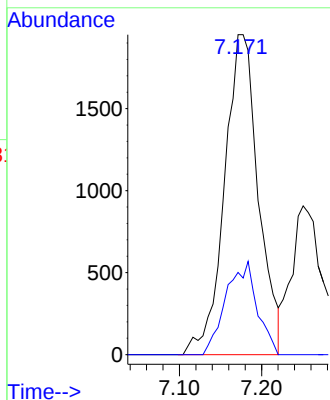
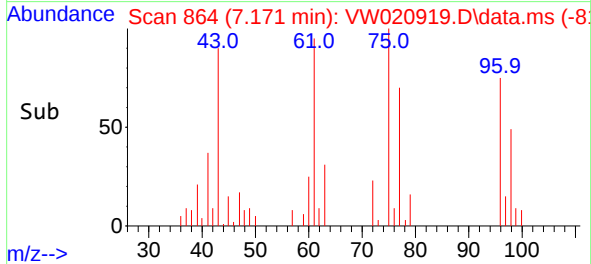
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



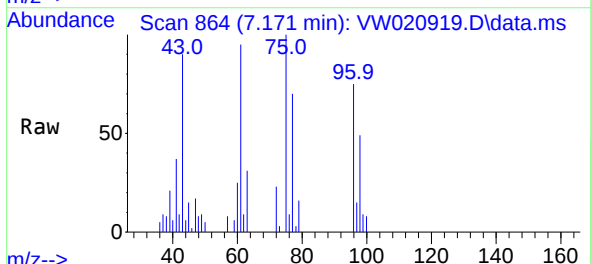
Tgt Ion: 43 Resp: 5604
Ion Ratio Lower Upper
43 100
72 25.7 20.7 31.1

Manual Integrations
APPROVED

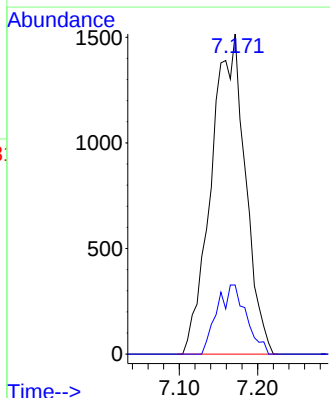
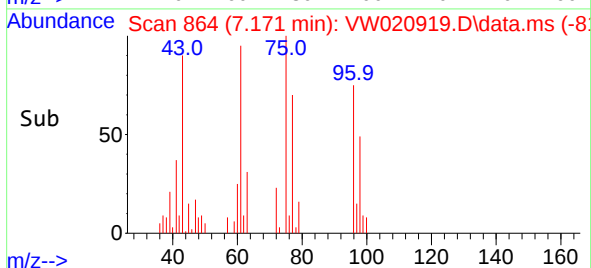
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

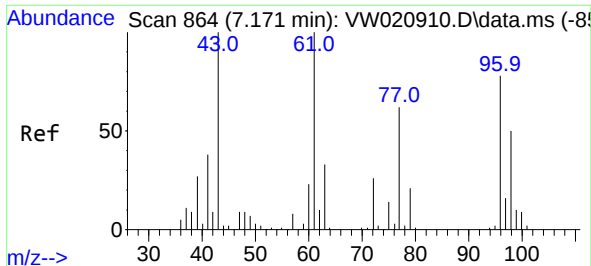


#26
2,2-Dichloropropane
Concen: 5.292 ug/l
RT: 7.171 min Scan# 864
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



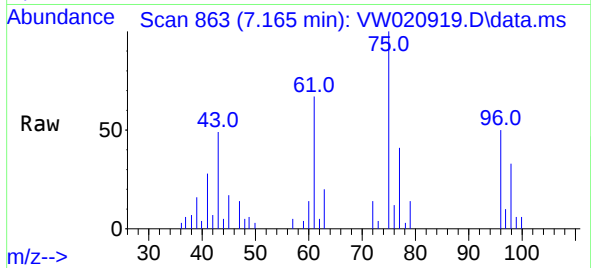
Tgt Ion: 77 Resp: 4577
Ion Ratio Lower Upper
77 100
97 18.6 11.7 35.1





#27
 cis-1,2-Dichloroethene
 Concen: 5.244 ug/l
 RT: 7.165 min Scan# 863
 Delta R.T. -0.006 min
 Lab File: VW020919.D
 Acq: 17 Nov 2021 22:36

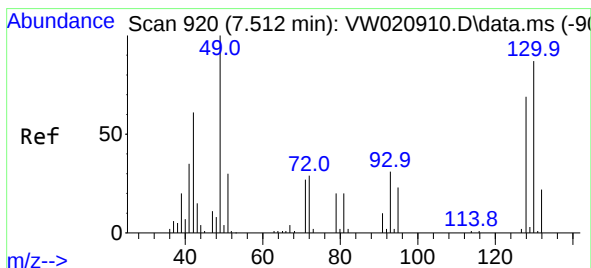
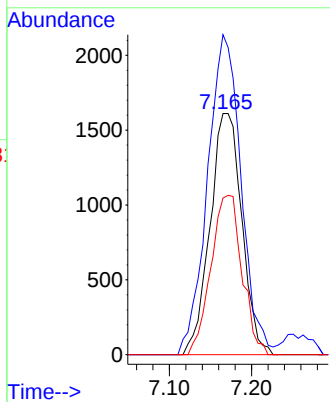
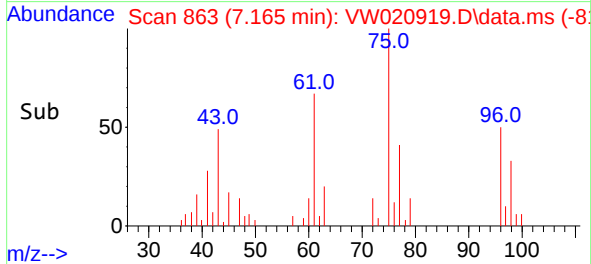
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



Tgt Ion: 96 Resp: 433
 Ion Ratio Lower Upper
 96 100
 61 139.5 0.0 266.6
 98 64.5 0.0 129.4

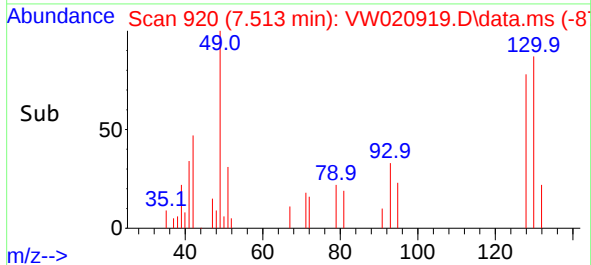
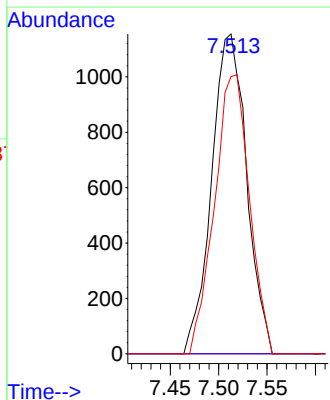
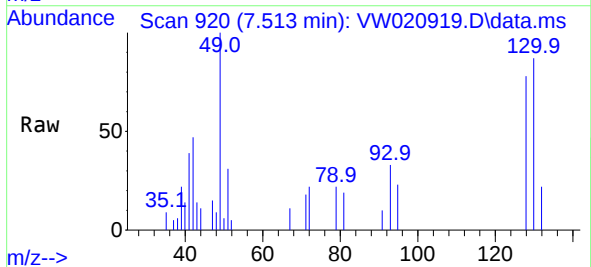
Manual Integrations
 APPROVED

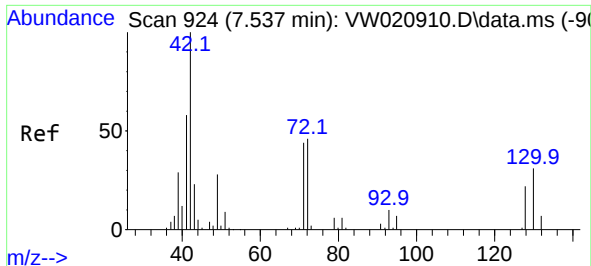
Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021



#28
 Bromochloromethane
 Concen: 5.642 ug/l
 RT: 7.513 min Scan# 920
 Delta R.T. 0.000 min
 Lab File: VW020919.D
 Acq: 17 Nov 2021 22:36

Tgt Ion: 49 Resp: 2910
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 87.0 70.8 106.2





#29

Tetrahydrofuran

Concen: 26.436 ug/l

RT: 7.531 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW020919.D

Acq: 17 Nov 2021 22:36

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

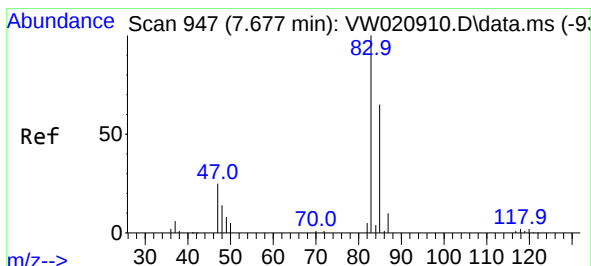
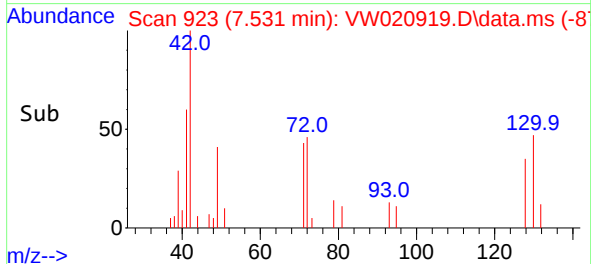
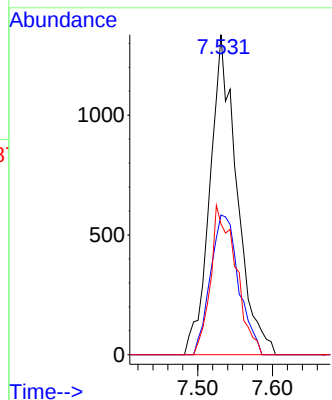
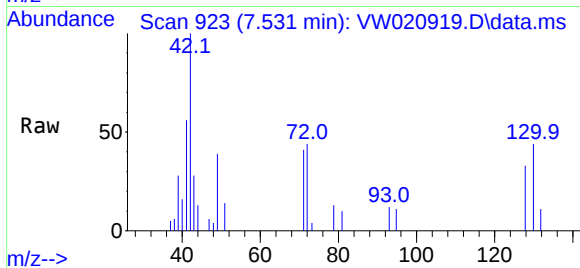
Tgt Ion: 42 Resp: 335

Ion	Ratio	Lower	Upper
42	100		
72	45.8	37.4	56.0
71	43.7	34.7	52.1

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#30

Chloroform

Concen: 5.244 ug/l

RT: 7.671 min Scan# 946

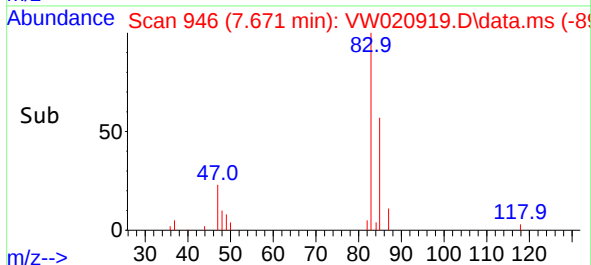
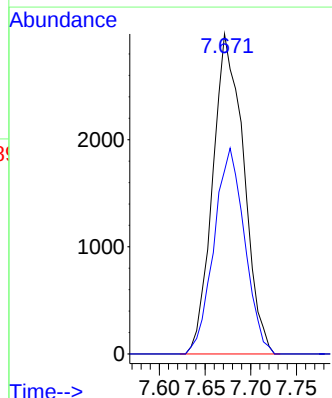
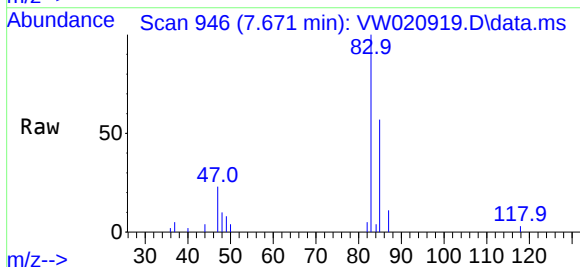
Delta R.T. -0.006 min

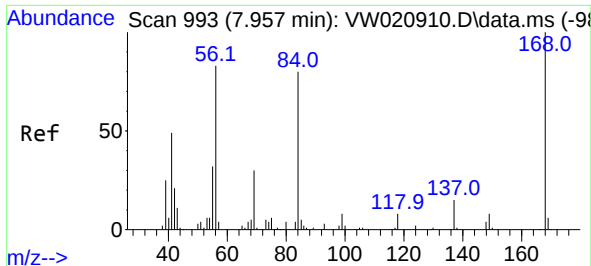
Lab File: VW020919.D

Acq: 17 Nov 2021 22:36

Tgt Ion: 83 Resp: 7032

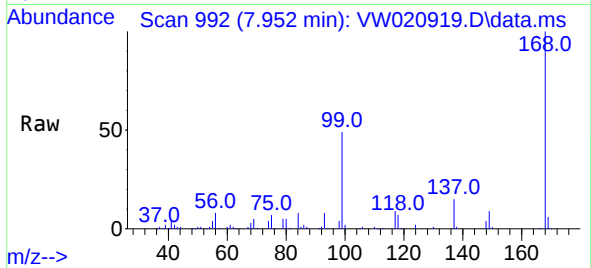
Ion	Ratio	Lower	Upper
83	100		
85	57.2	51.7	77.5





#31
Cyclohexane
Concen: 5.778 ug/l
RT: 7.952 min Scan# 993
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

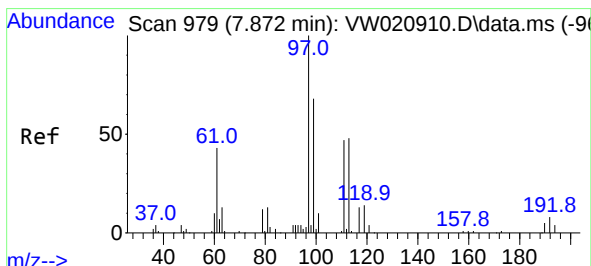
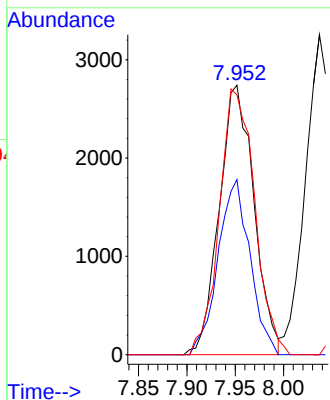
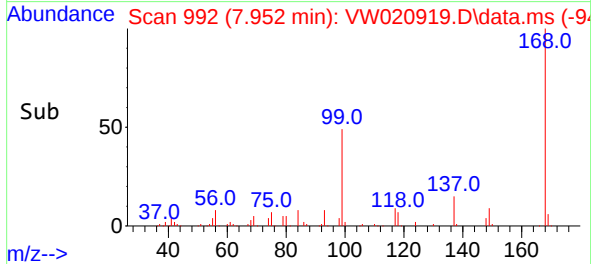
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 56 Resp: 683
Ion Ratio Lower Upper
56 100
69 65.0 28.7 43.1
84 96.5 77.6 116.4

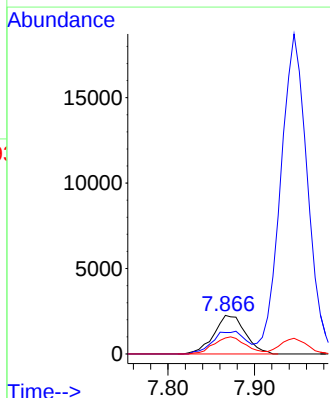
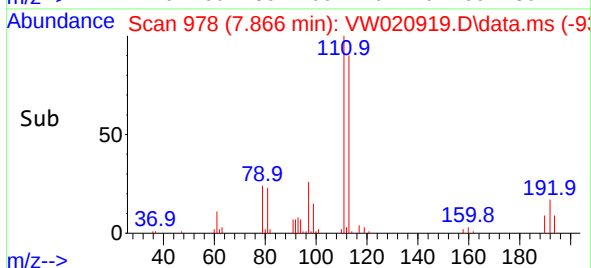
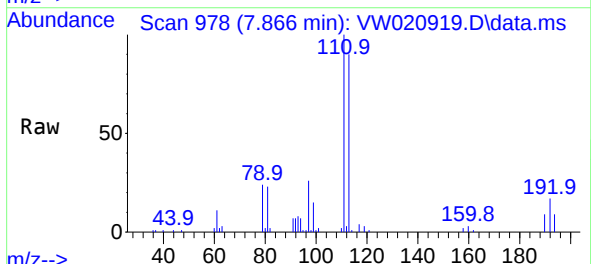
Manual Integrations
APPROVED

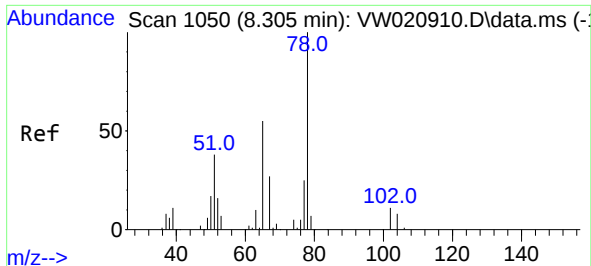
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#32
1,1,1-Trichloroethane
Concen: 5.017 ug/l
RT: 7.866 min Scan# 978
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

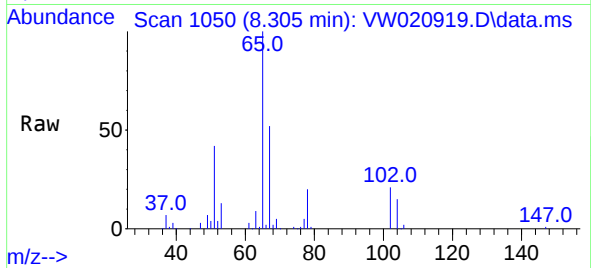
Tgt Ion: 97 Resp: 5680
Ion Ratio Lower Upper
97 100
99 61.4 52.0 78.0
61 45.4 34.2 51.2





#33
1,2-Dichloroethane-d4
Concen: 53.647 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

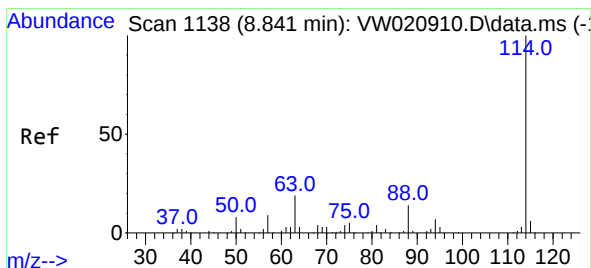
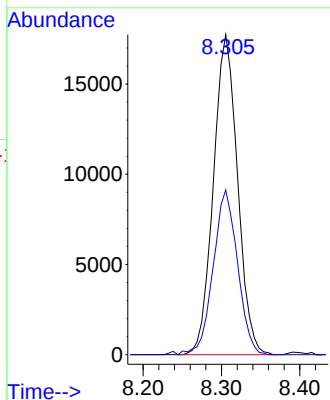
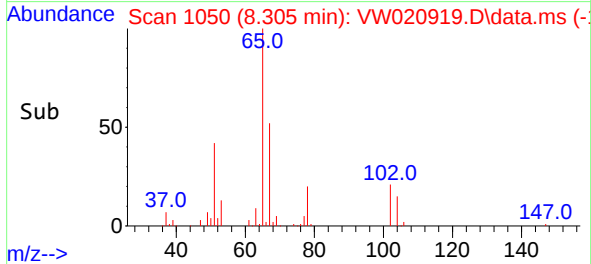
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT4-2021



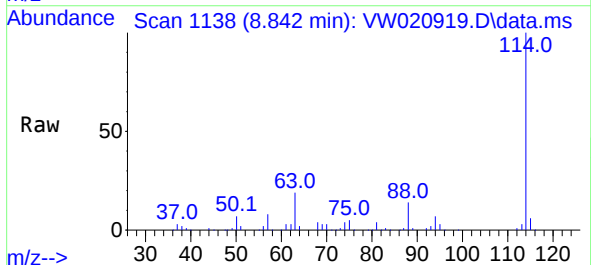
Tgt Ion: 65 Resp: 38020
Ion Ratio Lower Upper
65 100
67 51.9 0.0 100.2

Manual Integrations
APPROVED

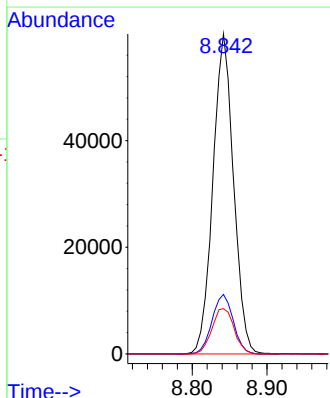
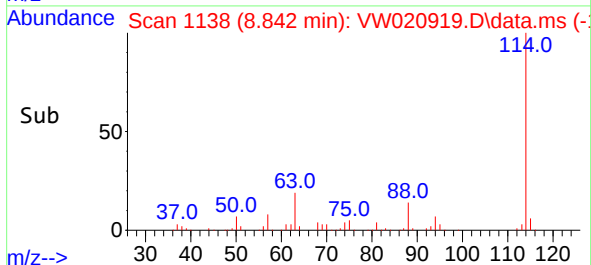
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

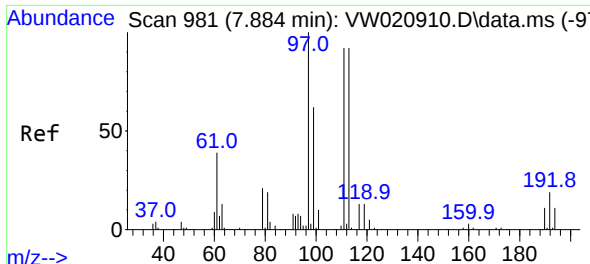


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



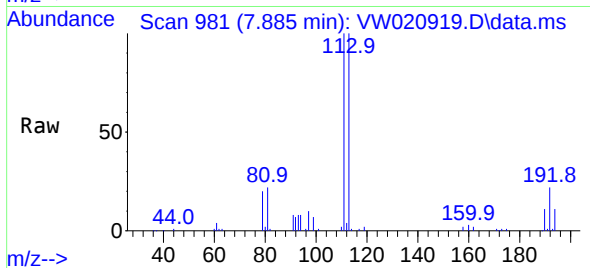
Tgt Ion:114 Resp: 114975
Ion Ratio Lower Upper
114 100
63 18.6 0.0 37.2
88 14.2 0.0 28.8





#35
Dibromofluoromethane
Concen: 52.304 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

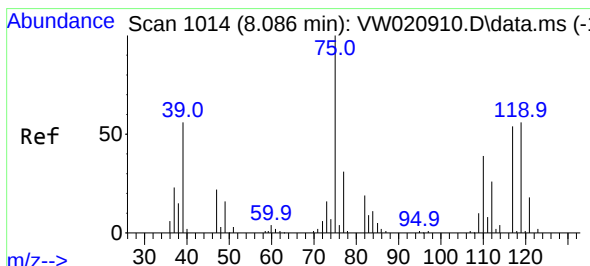
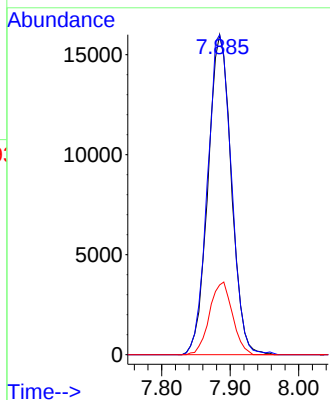
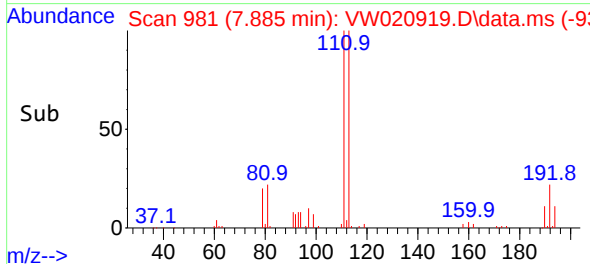
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



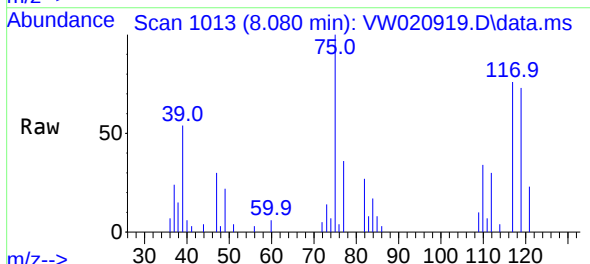
Tgt Ion: 113 Resp: 3772
Ion Ratio Lower Upper
113 100
111 102.1 81.2 121.8
192 22.3 16.8 25.2

Manual Integrations
APPROVED

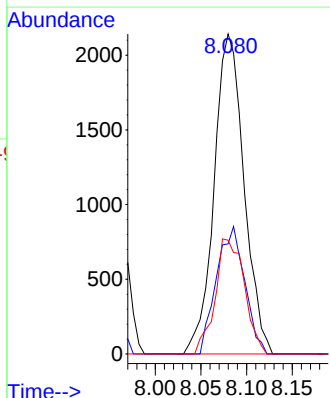
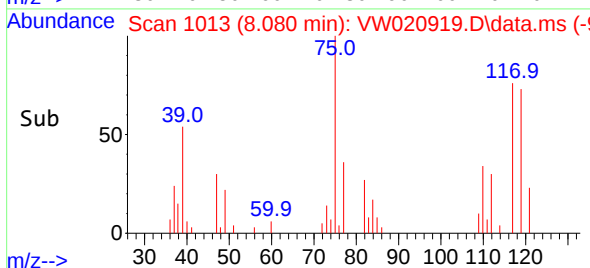
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

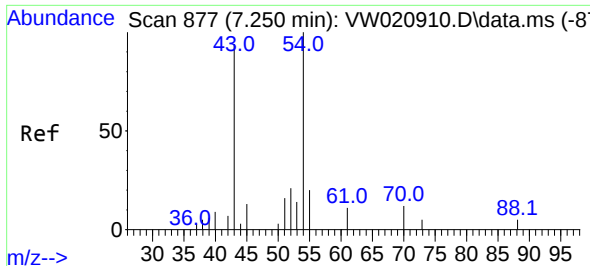


#36
1,1-Dichloropropene
Concen: 4.721 ug/l
RT: 8.080 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



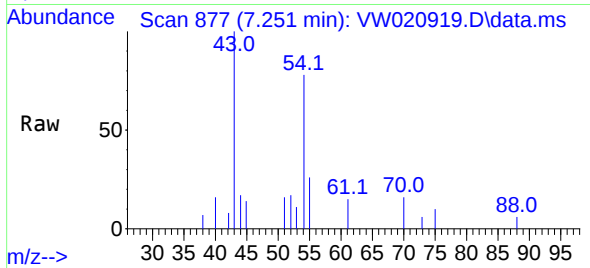
Tgt Ion: 75 Resp: 4876
Ion Ratio Lower Upper
75 100
110 37.7 19.1 57.5
77 35.1 24.8 37.2





#37
Ethyl Acetate
Concen: 5.402 ug/l
RT: 7.251 min Scan# 81
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

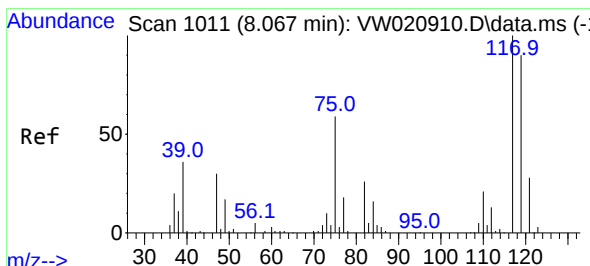
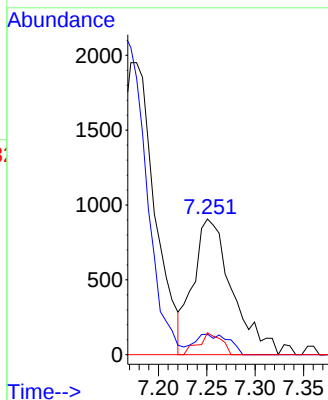
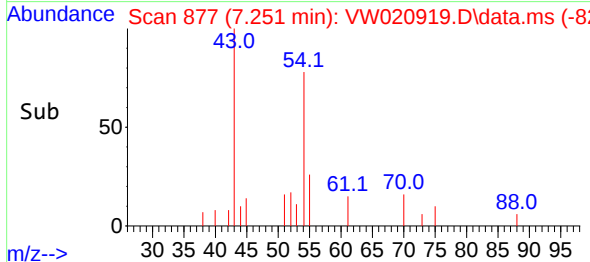
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



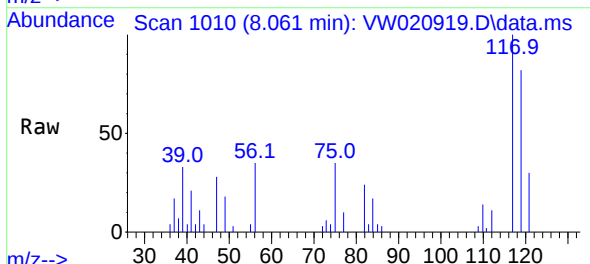
Tgt Ion: 43 Resp: 254
Ion Ratio Lower Upper
43 100
61 13.2 11.3 16.9
70 9.4 9.2 13.8

Manual Integrations
APPROVED

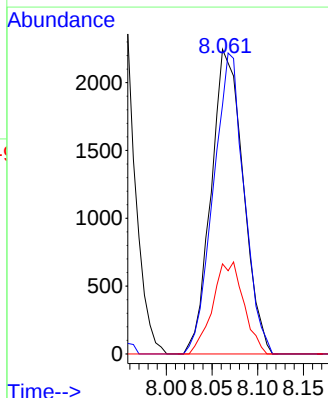
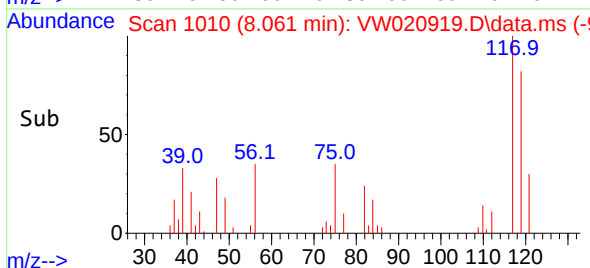
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

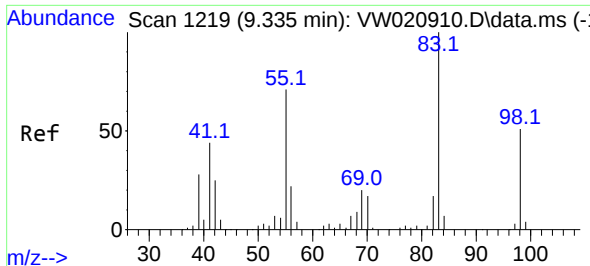


#38
Carbon Tetrachloride
Concen: 4.993 ug/l
RT: 8.061 min Scan# 1010
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



Tgt Ion:117 Resp: 5486
Ion Ratio Lower Upper
117 100
119 81.7 72.0 108.0
121 29.6 22.6 33.8





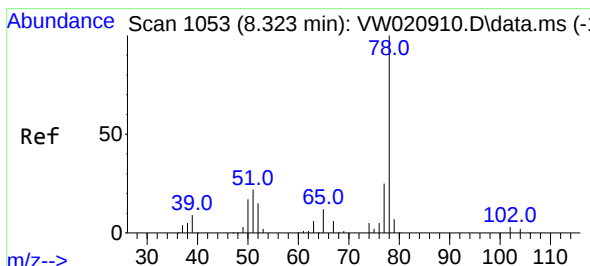
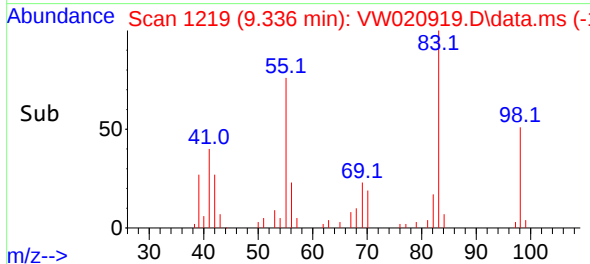
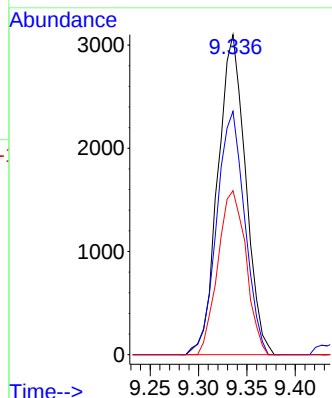
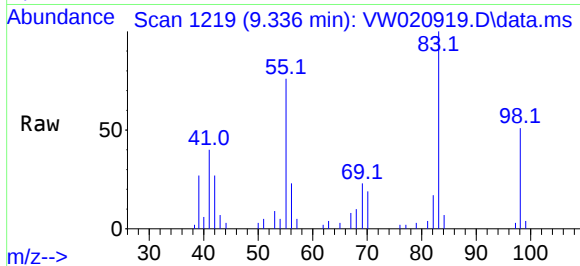
#39
Methylcyclohexane
Concen: 4.752 ug/l
RT: 9.336 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 83 Resp: 616
Ion Ratio Lower Upper
83 100
55 76.0 56.6 85.0
98 51.3 41.0 61.4

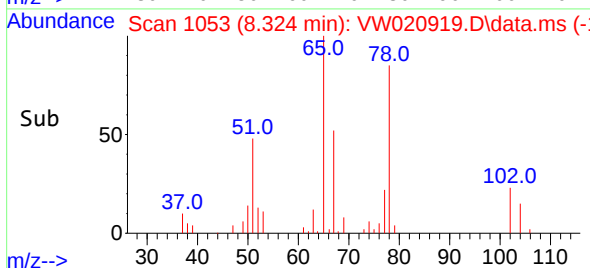
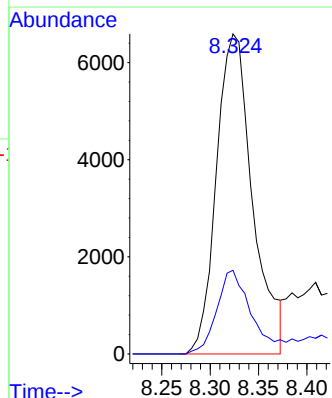
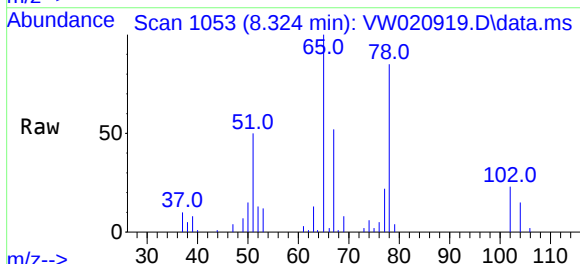
Manual Integrations
APPROVED

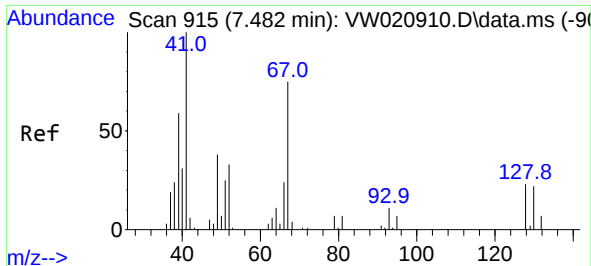
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#40
Benzene
Concen: 5.821 ug/l
RT: 8.324 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

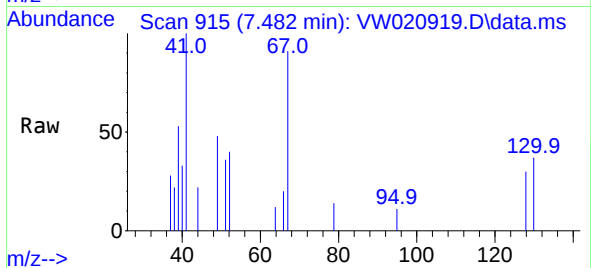
Tgt Ion: 78 Resp: 17144
Ion Ratio Lower Upper
78 100
77 26.1 20.0 30.0





#41
Methacrylonitrile
Concen: 3.977 ug/l
RT: 7.482 min Scan# 915
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

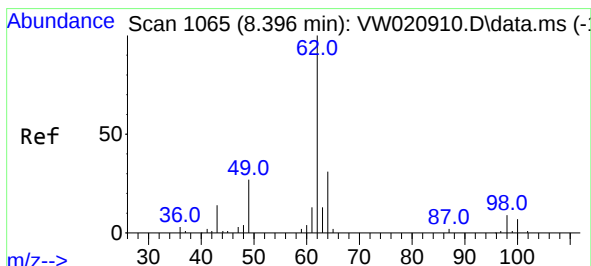
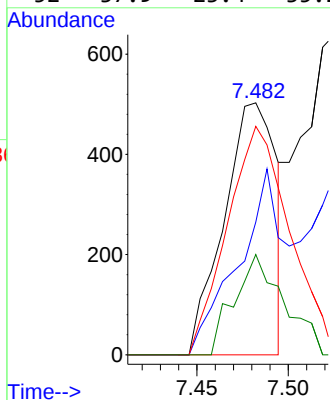
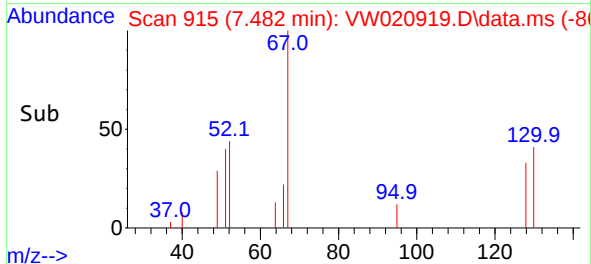


Tgt Ion: 41 Resp: 999

Ion	Ratio	Lower	Upper
41	100		
39	63.5	42.9	64.3
67	108.5	56.2	84.4
52	37.9	23.4	35.2

Manual Integrations
APPROVED

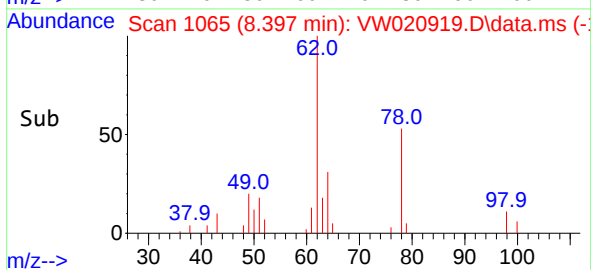
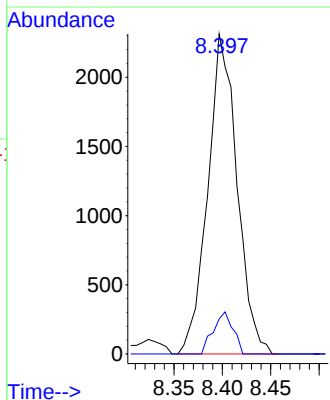
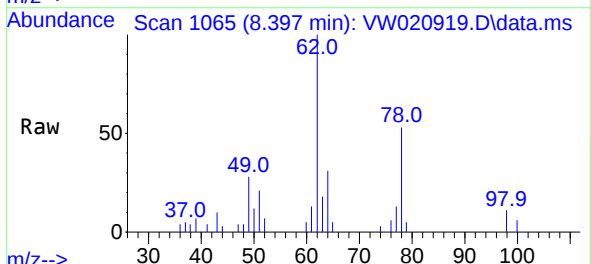
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

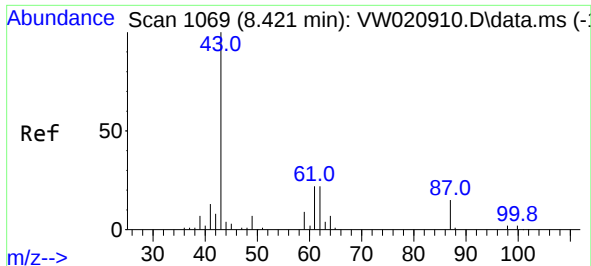


#42
1,2-Dichloroethane
Concen: 5.449 ug/l
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion: 62 Resp: 4868

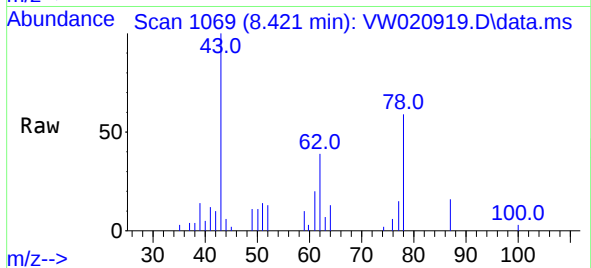
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.0





#43
Isopropyl Acetate
Concen: 5.202 ug/l
RT: 8.421 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

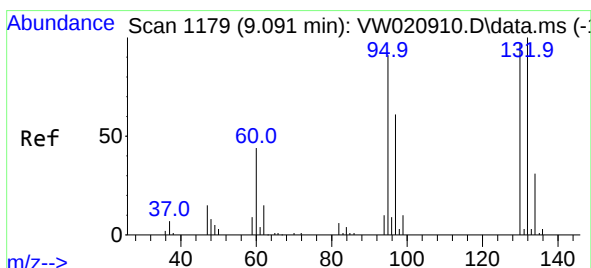
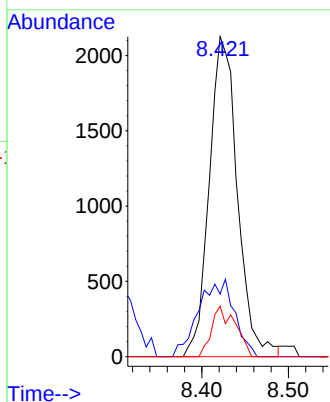
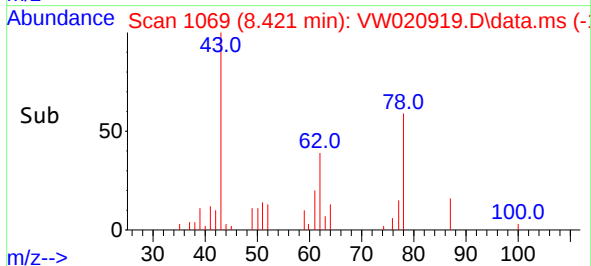
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 43 Resp: 4810
Ion Ratio Lower Upper
43 100
61 30.5 23.7 35.5
87 13.2 11.5 17.3

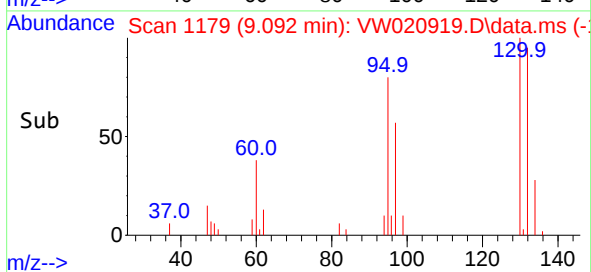
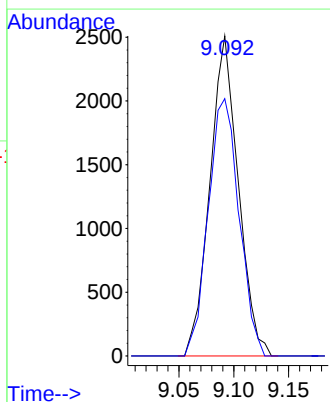
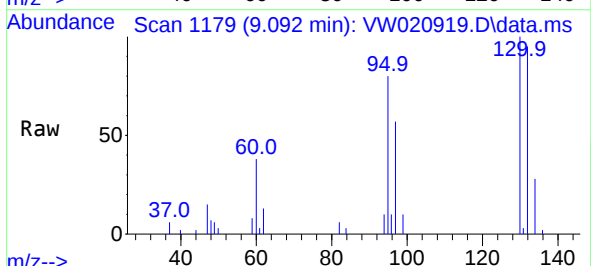
Manual Integrations
APPROVED

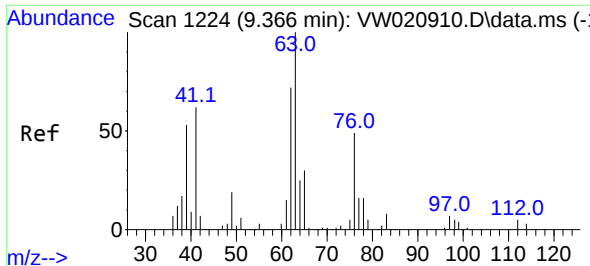
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#44
Trichloroethene
Concen: 5.268 ug/l
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

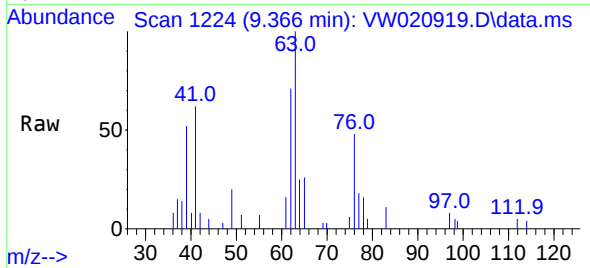
Tgt Ion:130 Resp: 4527
Ion Ratio Lower Upper
130 100
95 80.4 0.0 186.6





#45
1,2-Dichloropropane
Concen: 5.065 ug/l
RT: 9.366 min Scan# 1224
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

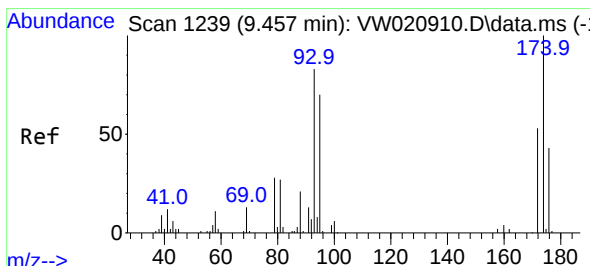
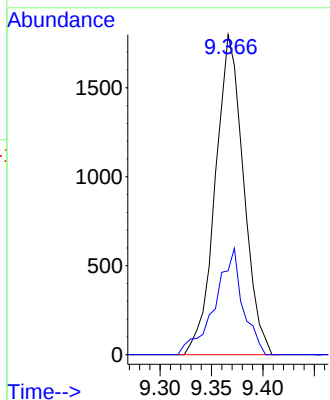
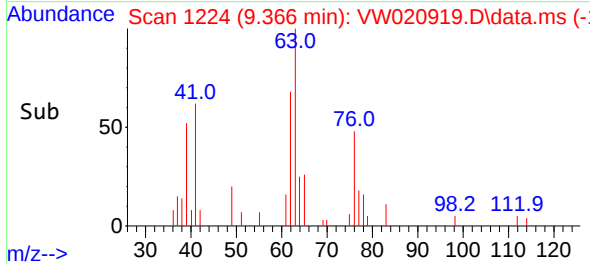
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT4-2021



Tgt Ion: 63 Resp: 343
Ion Ratio Lower Upper
63 100
65 26.2 23.8 35.6

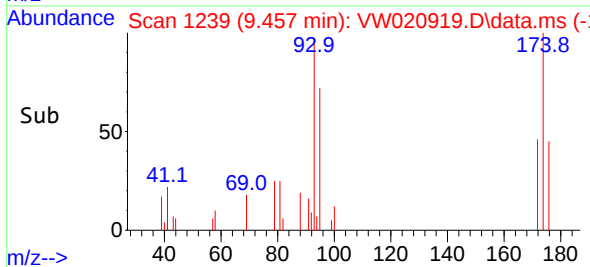
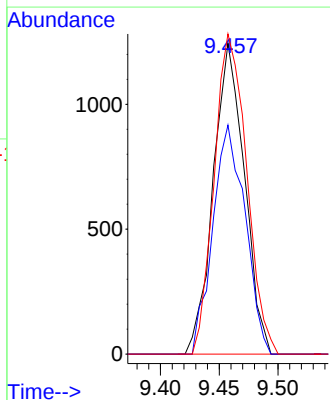
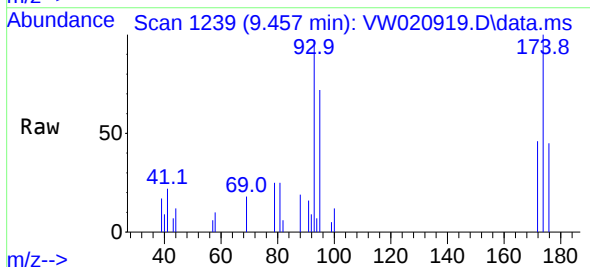
Manual Integrations
APPROVED

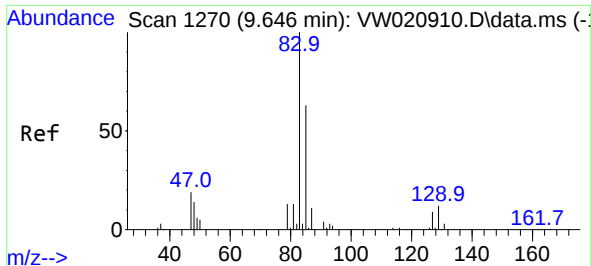
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#46
Dibromomethane
Concen: 5.334 ug/l
RT: 9.457 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

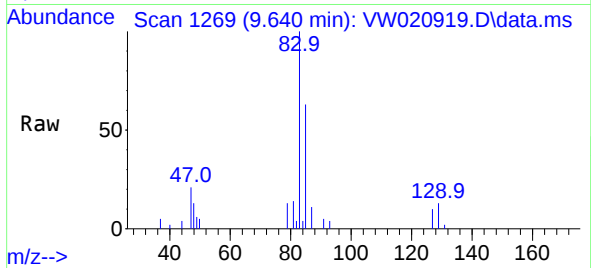
Tgt Ion: 93 Resp: 2292
Ion Ratio Lower Upper
93 100
95 76.5 66.6 100.0
174 107.4 91.1 136.7





#47
Bromodichloromethane
Concen: 4.847 ug/l
RT: 9.640 min Scan# 1269
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

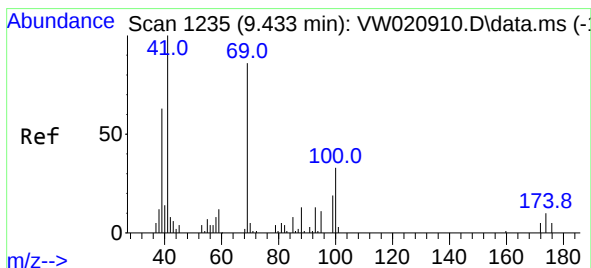
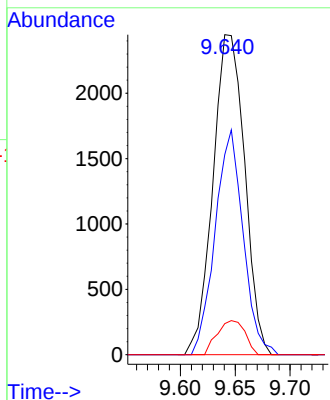
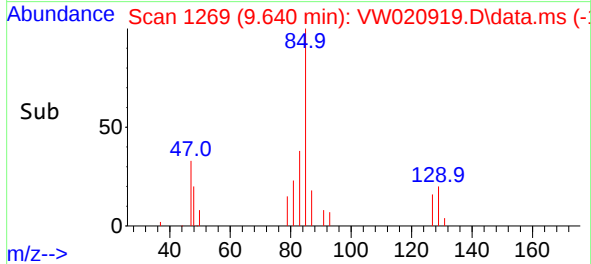
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 83 Resp: 4928
Ion Ratio Lower Upper
83 100
85 62.5 50.3 75.5
127 9.7 7.1 10.7

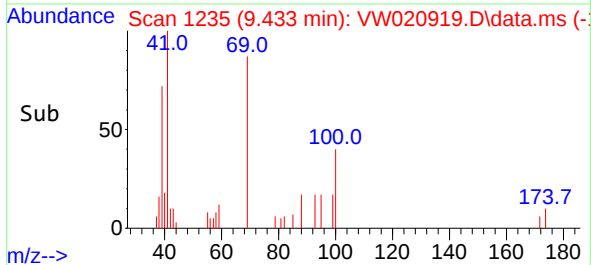
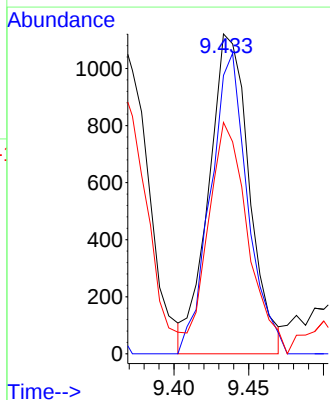
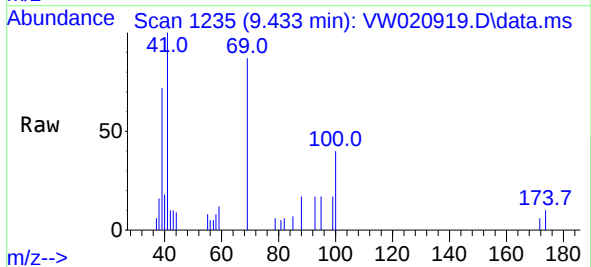
Manual Integrations
APPROVED

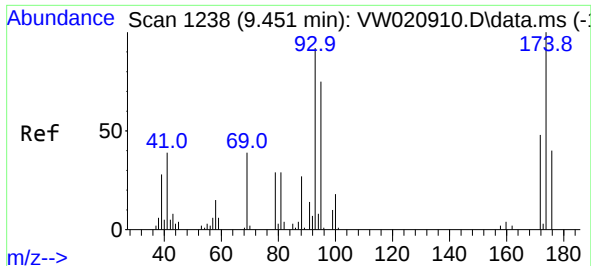
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#48
Methyl methacrylate
Concen: 5.137 ug/l
RT: 9.433 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

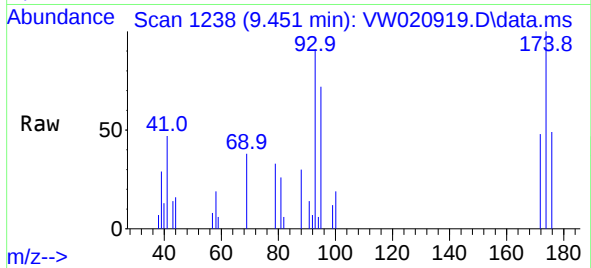
Tgt Ion: 41 Resp: 2113
Ion Ratio Lower Upper
41 100
69 86.6 72.9 109.3
39 69.7 54.2 81.4





#49
1,4-Dioxane
Concen: 103.683 ug/l
RT: 9.451 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

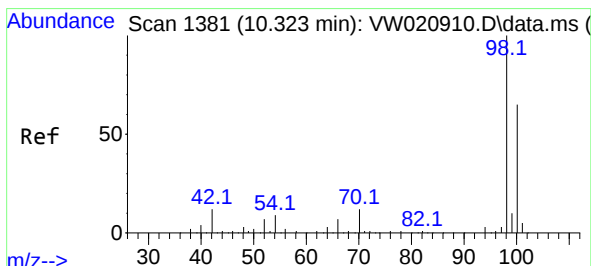
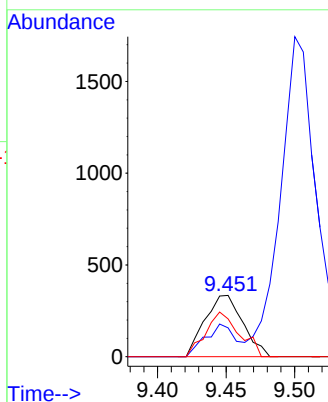
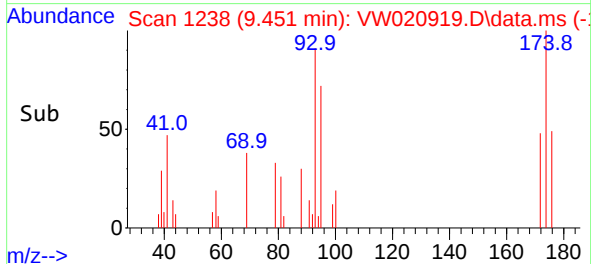
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



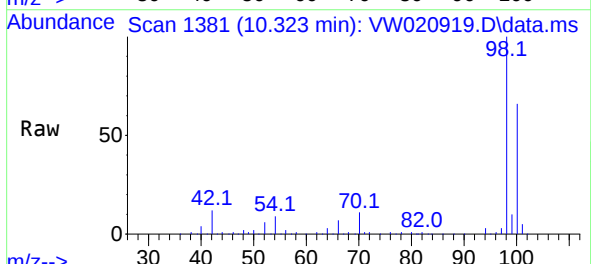
Tgt Ion: 88 Resp: 642
Ion Ratio Lower Upper
88 100
43 43.6 26.6 39.8
58 64.6 51.8 77.8

Manual Integrations
APPROVED

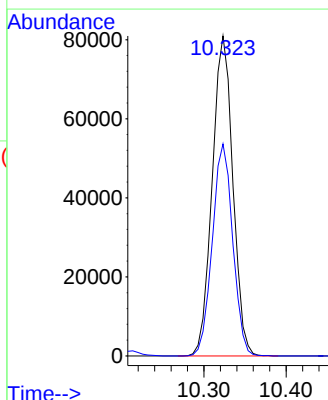
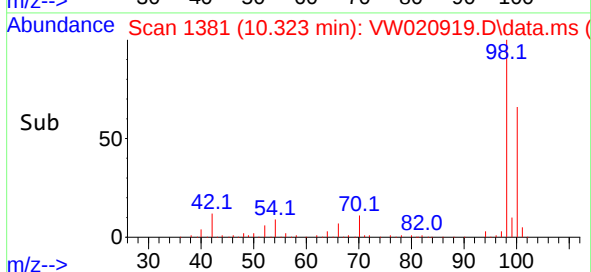
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

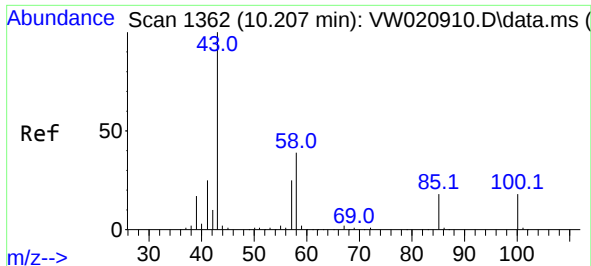


#50
Toluene-d8
Concen: 53.335 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



Tgt Ion: 98 Resp: 141072
Ion Ratio Lower Upper
98 100
100 65.6 52.6 79.0





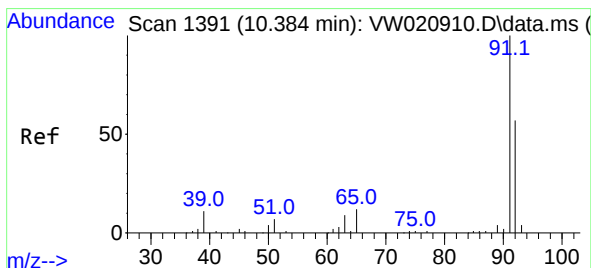
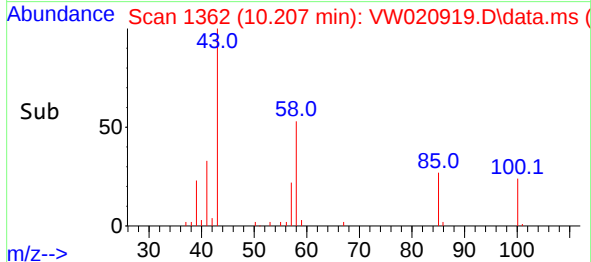
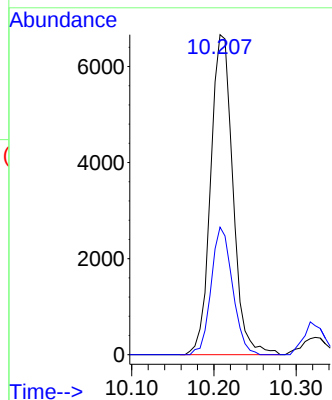
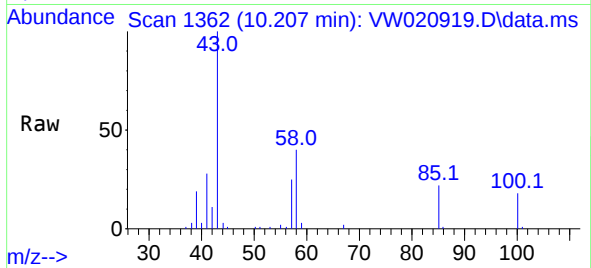
#51
4-Methyl-2-Pentanone
Concen: 26.595 ug/l
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 43 Resp: 12520
Ion Ratio Lower Upper
43 100
58 38.3 30.9 46.3

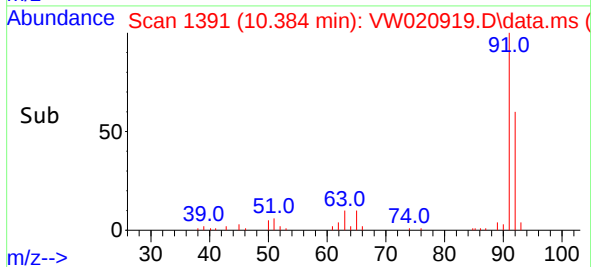
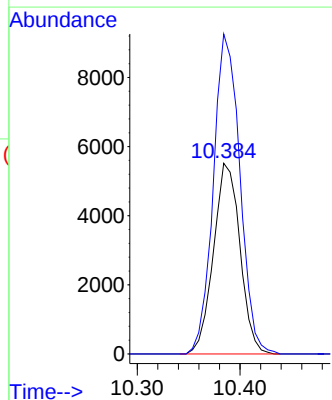
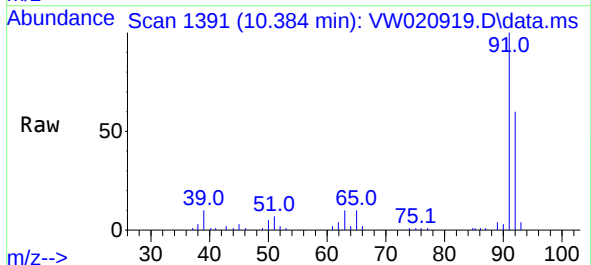
Manual Integrations
APPROVED

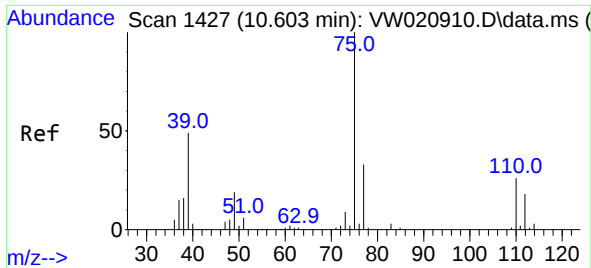
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#52
Toluene
Concen: 5.215 ug/l
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

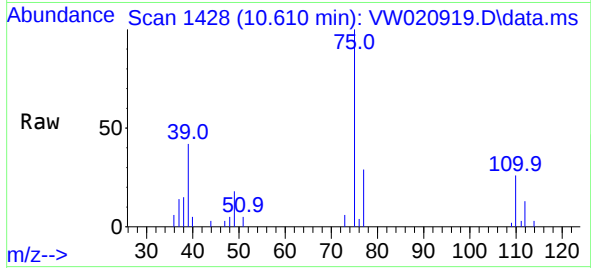
Tgt Ion: 92 Resp: 9873
Ion Ratio Lower Upper
92 100
91 168.2 137.1 205.7





#53
t-1,3-Dichloropropene
Concen: 4.617 ug/l
RT: 10.610 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

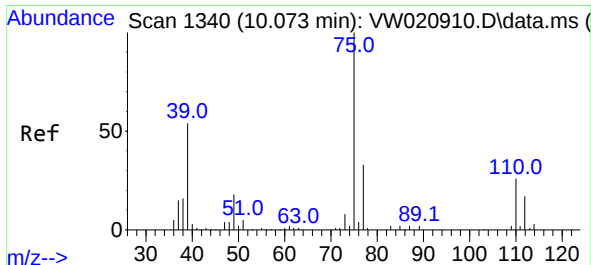
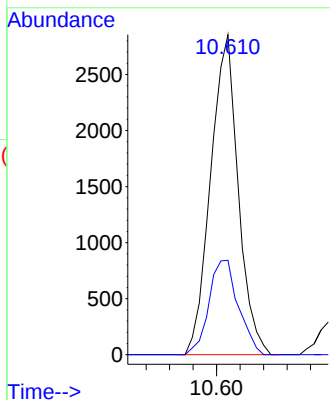
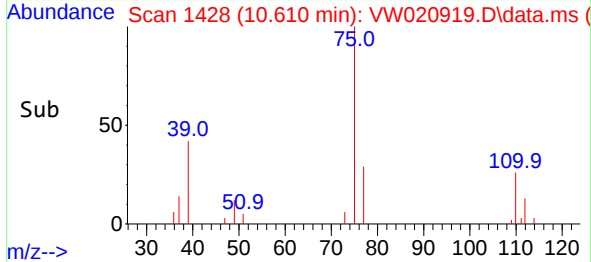
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



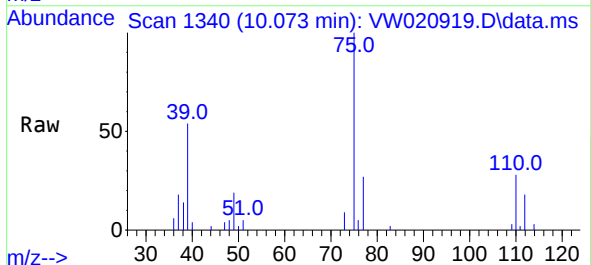
Tgt Ion: 75 Resp: 466
Ion Ratio Lower Upper
75 100
77 29.5 26.1 39.1

Manual Integrations
APPROVED

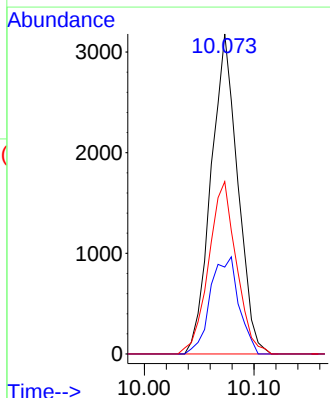
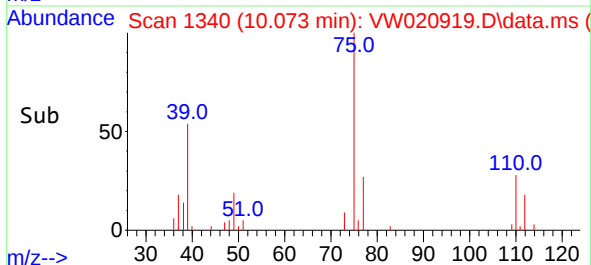
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

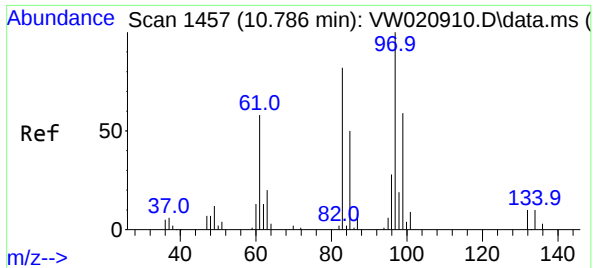


#54
cis-1,3-Dichloropropene
Concen: 4.707 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



Tgt Ion: 75 Resp: 5377
Ion Ratio Lower Upper
75 100
77 27.1 26.2 39.4
39 53.8 43.0 64.6





#55
1,1,2-Trichloroethane
Concen: 4.921 ug/l
RT: 10.787 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

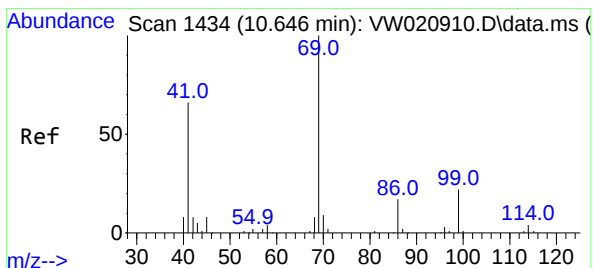
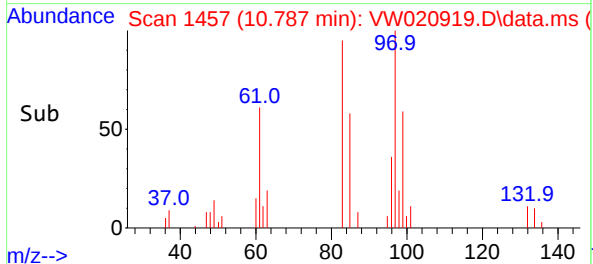
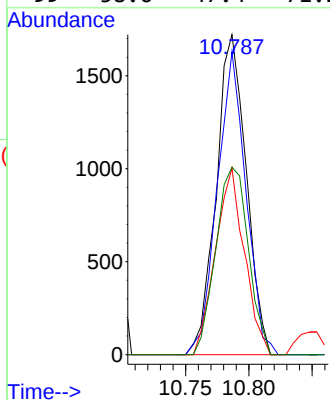
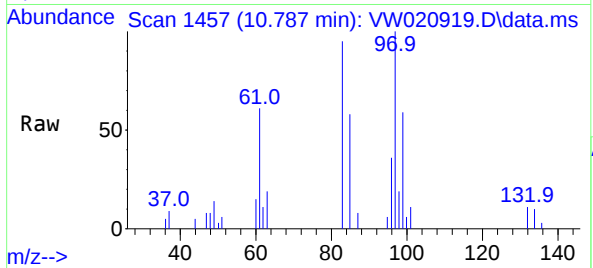
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 97 Resp: 283

Ion	Ratio	Lower	Upper
97	100		
83	94.7	65.4	98.2
85	58.3	39.9	59.9
99	58.6	47.4	71.2

Manual Integrations
APPROVED

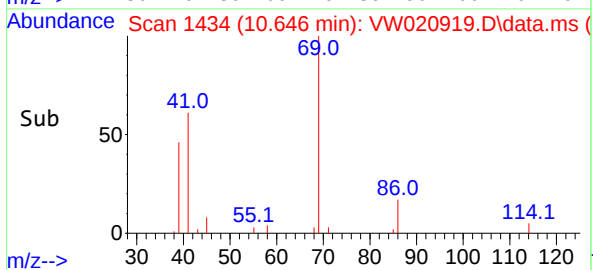
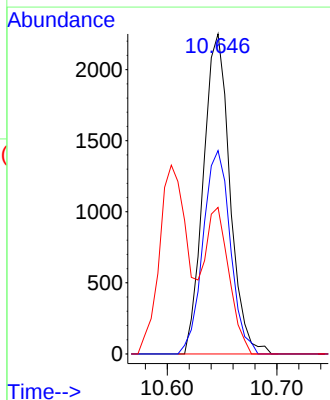
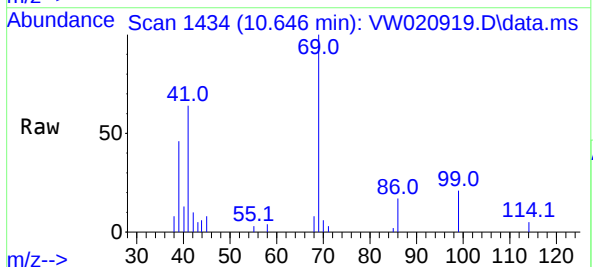
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

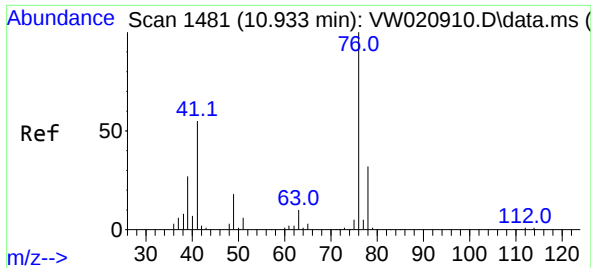


#56
Ethyl methacrylate
Concen: 5.157 ug/l
RT: 10.646 min Scan# 1434
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion: 69 Resp: 3783

Ion	Ratio	Lower	Upper
69	100		
41	65.6	52.9	79.3
39	40.6	33.7	50.5





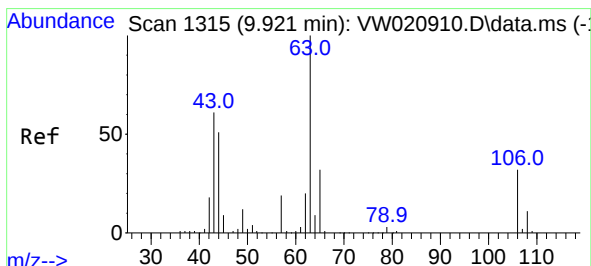
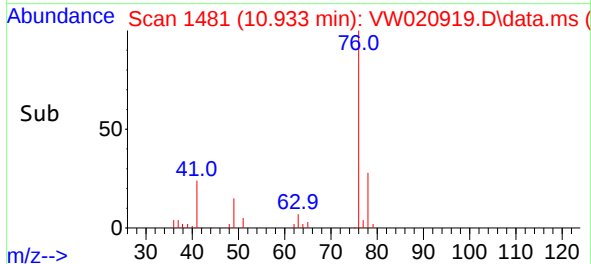
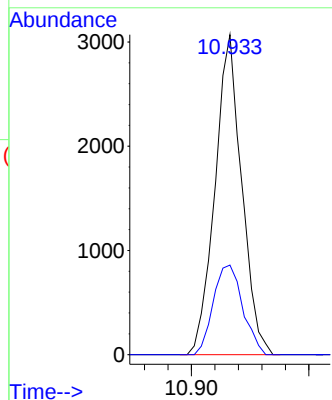
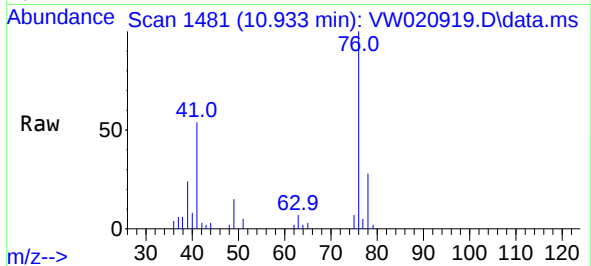
#57
1,3-Dichloropropane
Concen: 4.998 ug/l
RT: 10.933 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT4-2021

Tgt Ion: 76 Resp: 4848
Ion Ratio Lower Upper
76 100
78 30.8 26.0 39.0

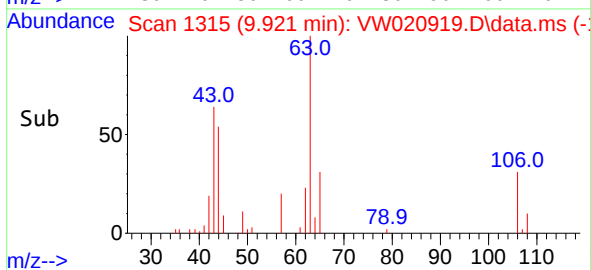
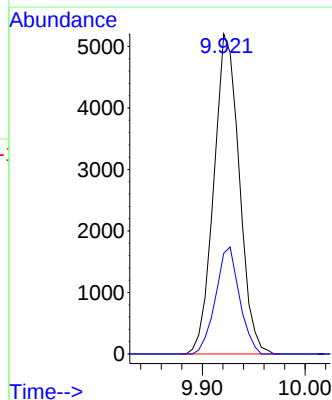
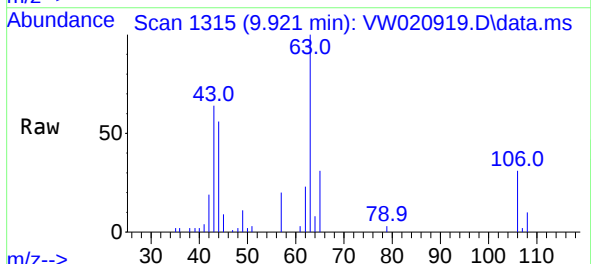
Manual Integrations
APPROVED

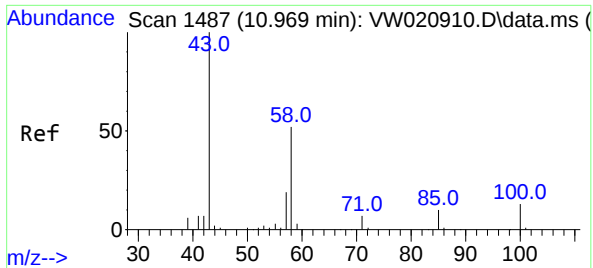
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#58
2-Chloroethyl Vinyl ether
Concen: 24.166 ug/l
RT: 9.921 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion: 63 Resp: 8922
Ion Ratio Lower Upper
63 100
106 31.4 26.3 39.5





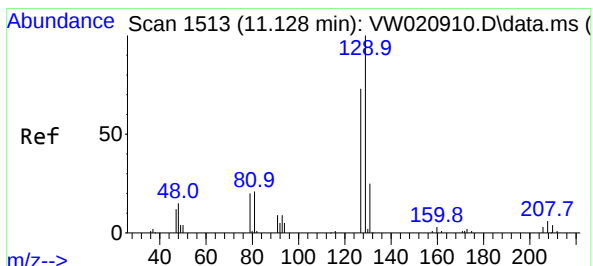
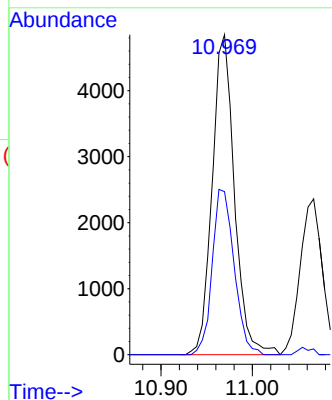
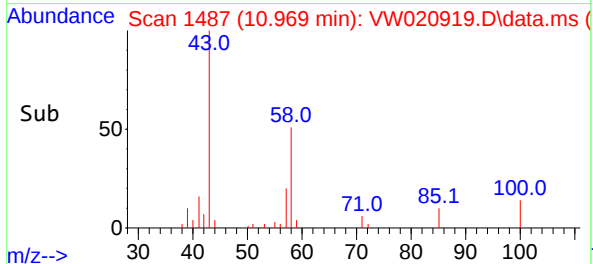
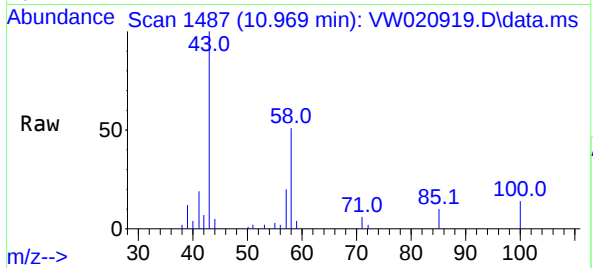
#59
2-Hexanone
Concen: 25.049 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
58 50.9 26.7 80.0

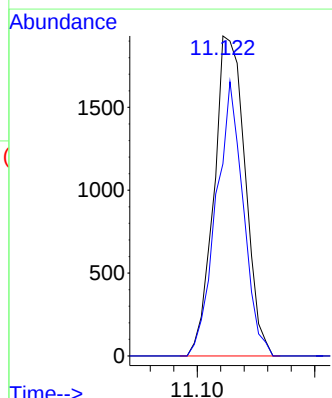
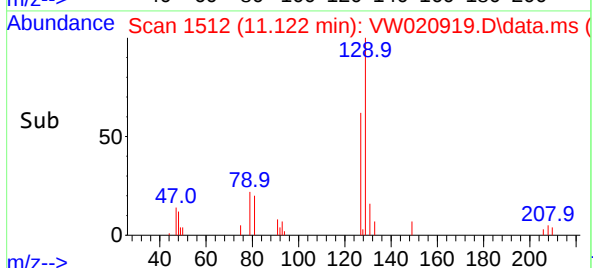
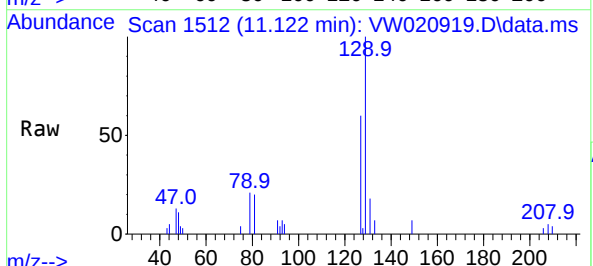
Manual Integrations
APPROVED

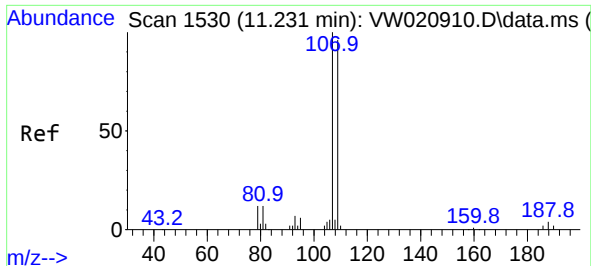
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#60
Dibromochloromethane
Concen: 4.891 ug/l
RT: 11.122 min Scan# 1512
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

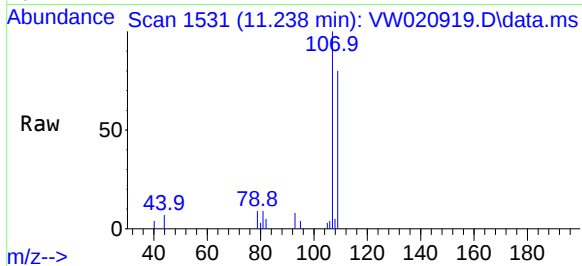
Tgt Ion:129 Resp: 3552
Ion Ratio Lower Upper
129 100
127 74.9 38.4 115.1





#61
1,2-Dibromoethane
Concen: 5.259 ug/l
RT: 11.238 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

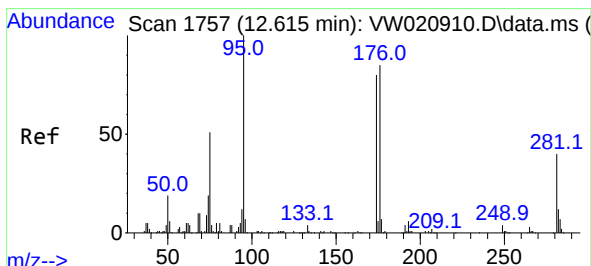
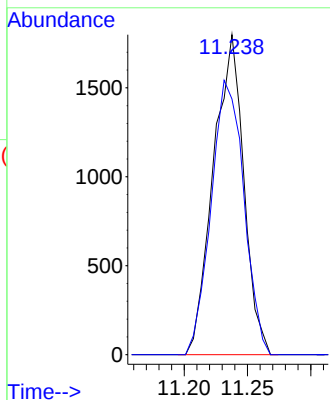
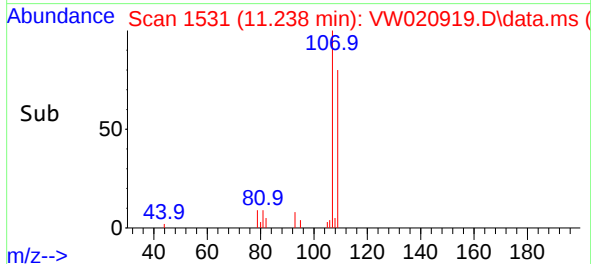
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



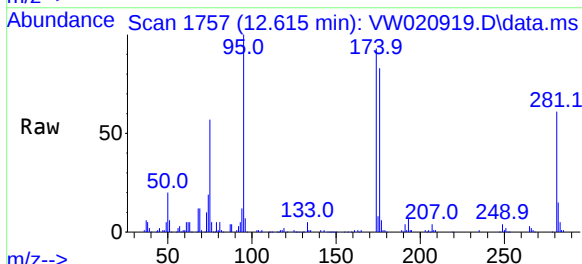
Tgt Ion:107 Resp: 3000
Ion Ratio Lower Upper
107 100
109 92.4 74.1 111.1

Manual Integrations
APPROVED

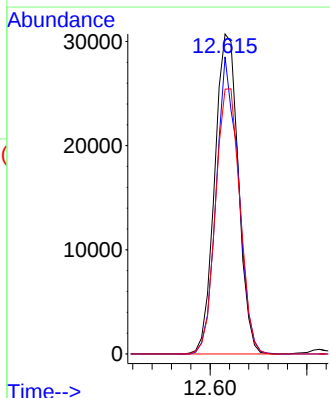
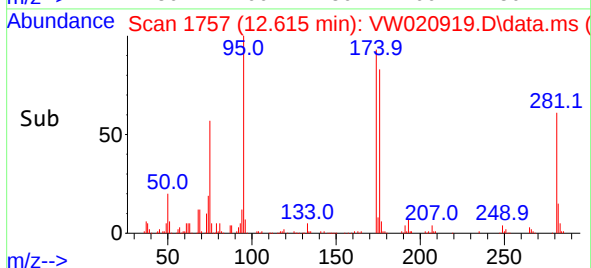
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

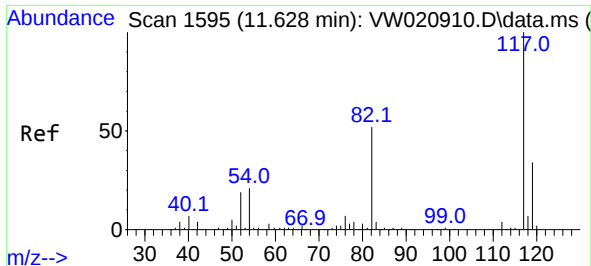


#62
4-Bromofluorobenzene
Concen: 52.616 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



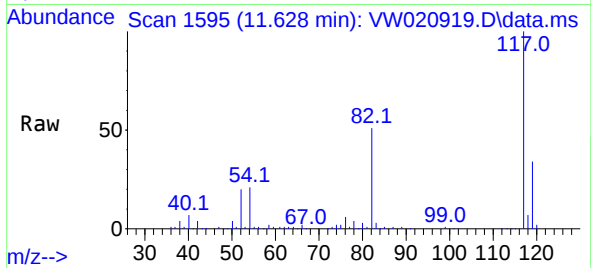
Tgt Ion: 95 Resp: 51903
Ion Ratio Lower Upper
95 100
174 87.1 0.0 171.2
176 85.6 0.0 175.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.628 min Scan# 11595
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

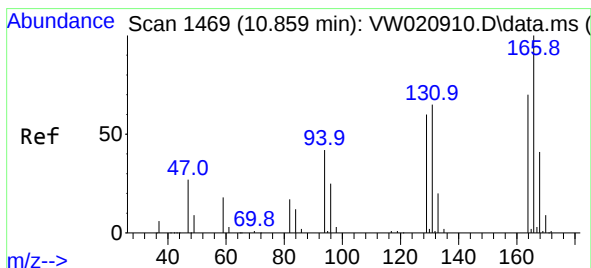
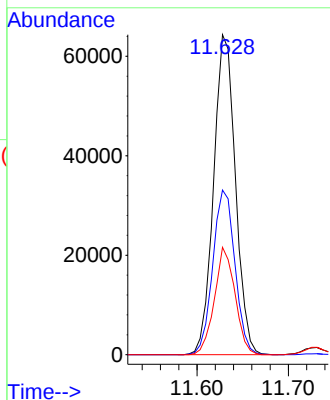
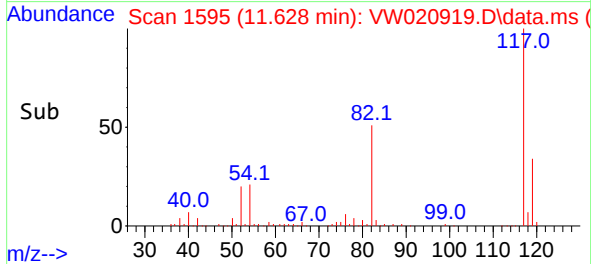
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



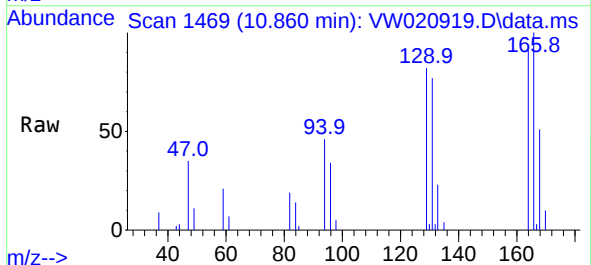
Tgt Ion:117 Resp: 10674
Ion Ratio Lower Upper
117 100
82 51.5 41.4 62.2
119 33.6 27.2 40.8

Manual Integrations
APPROVED

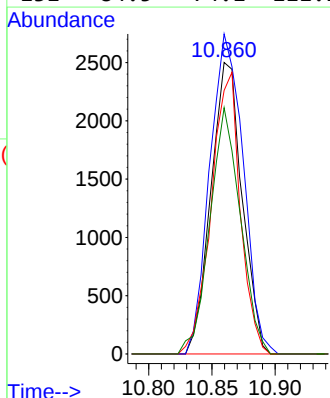
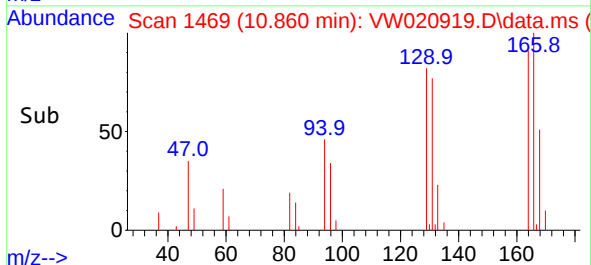
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

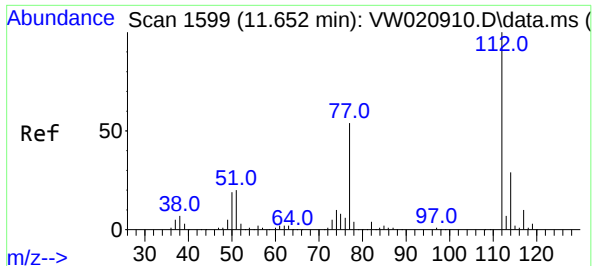


#64
Tetrachloroethene
Concen: 5.422 ug/l
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



Tgt Ion:164 Resp: 4300
Ion Ratio Lower Upper
164 100
166 109.8 114.4 171.6#
129 90.4 68.3 102.5
131 84.5 74.1 111.1





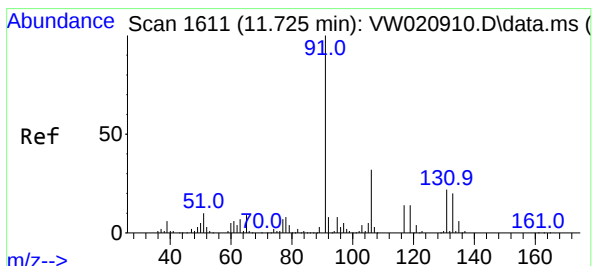
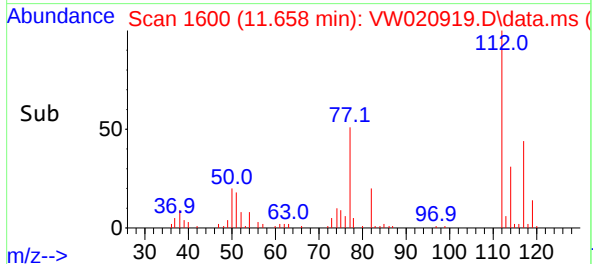
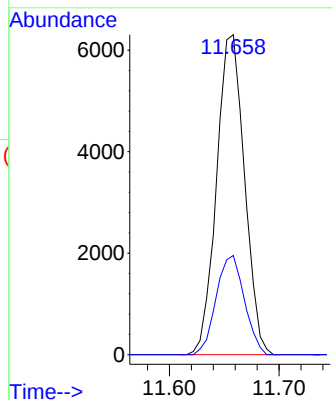
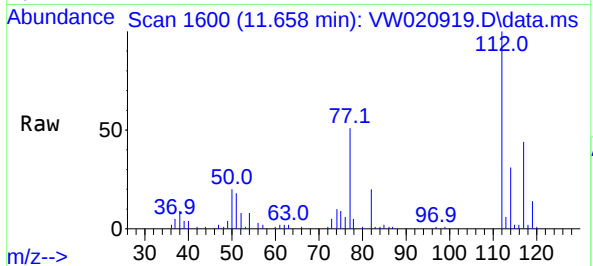
#65
Chlorobenzene
Concen: 5.202 ug/l
RT: 11.658 min Scan# 1116
Delta R.T. 0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:112 Resp: 1116
Ion Ratio Lower Upper
112 100
114 31.0 23.0 34.6

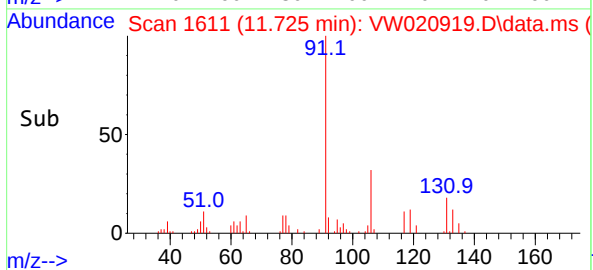
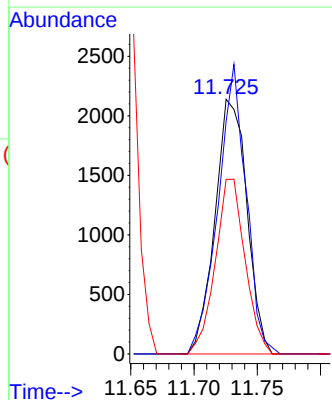
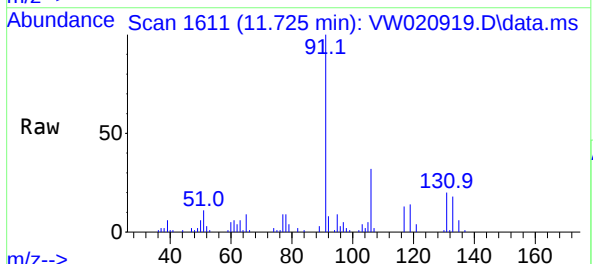
Manual Integrations
APPROVED

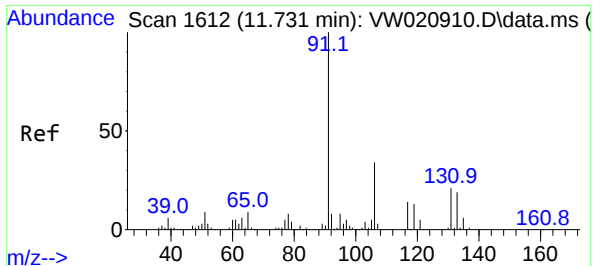
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 4.717 ug/l
RT: 11.725 min Scan# 1611
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion:131 Resp: 3764
Ion Ratio Lower Upper
131 100
133 99.7 46.6 139.7
119 63.9 32.2 96.6





#67

Ethyl Benzene

Concen: 4.874 ug/l

RT: 11.731 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW020919.D

Acq: 17 Nov 2021 22:36

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion: 91 Resp: 1835

Ion Ratio Lower Upper

91 100

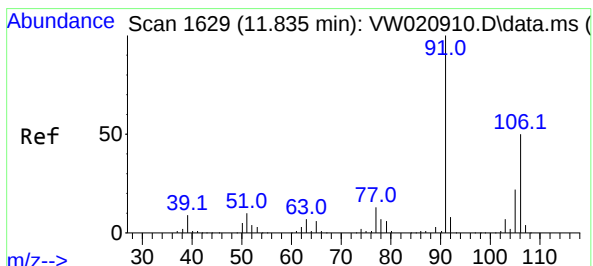
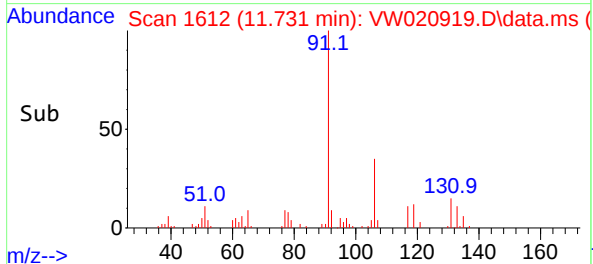
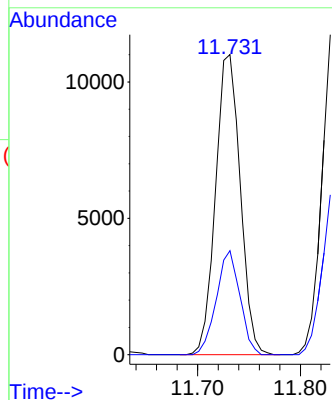
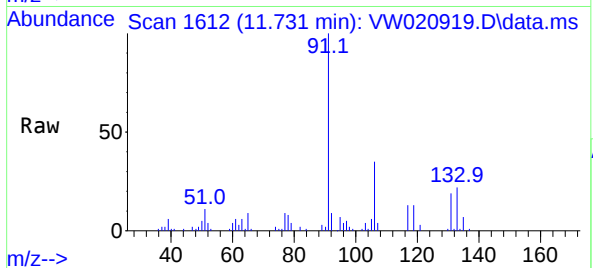
106 34.6 27.3 40.9

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/18/2021

Supervised By :Mahesh Dadoda 11/18/2021



#68

m/p-Xylenes

Concen: 9.254 ug/l

RT: 11.841 min Scan# 1630

Delta R.T. 0.006 min

Lab File: VW020919.D

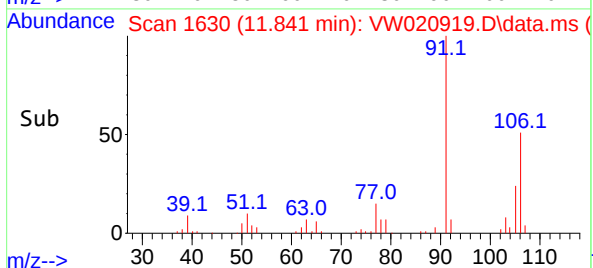
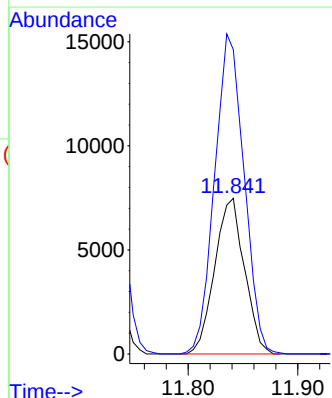
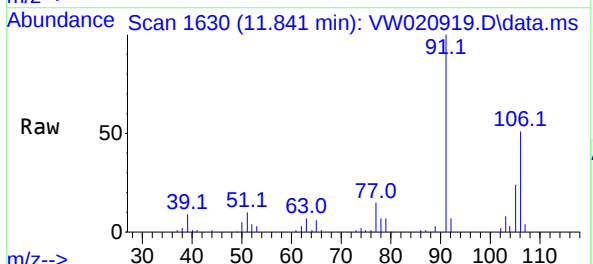
Acq: 17 Nov 2021 22:36

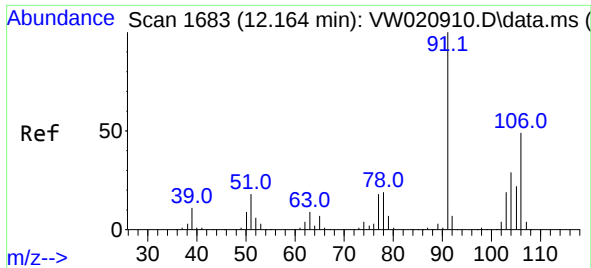
Tgt Ion:106 Resp: 14090

Ion Ratio Lower Upper

106 100

91 203.8 157.8 236.8





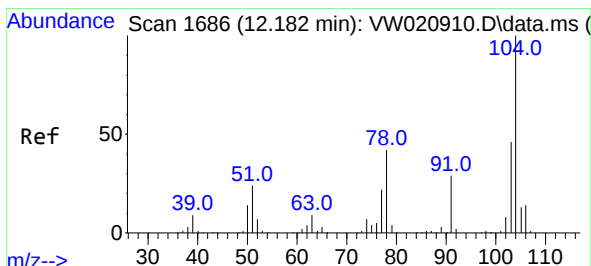
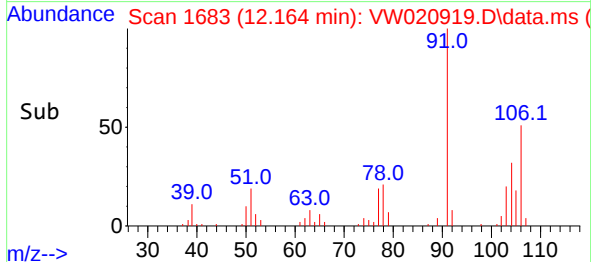
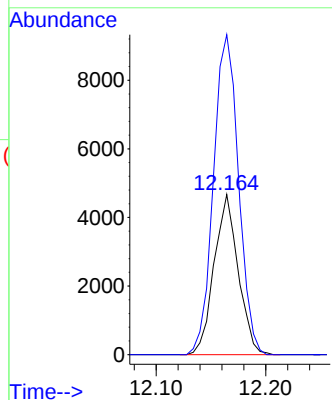
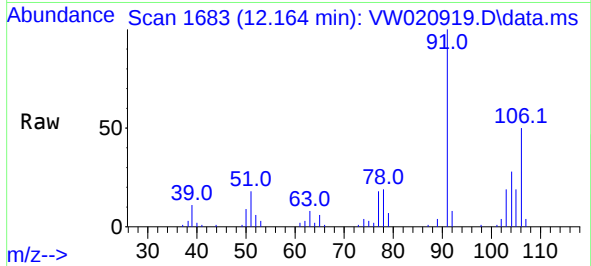
#69
o-Xylene
Concen: 4.984 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:106 Resp: 7110
Ion Ratio Lower Upper
106 100
91 208.2 104.3 312.9

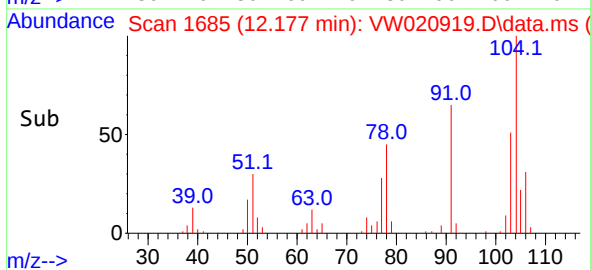
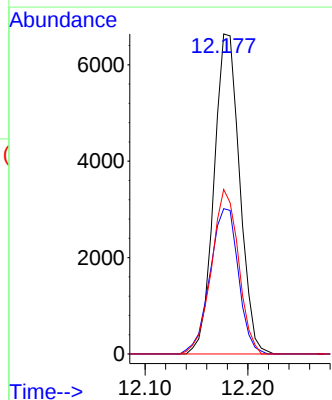
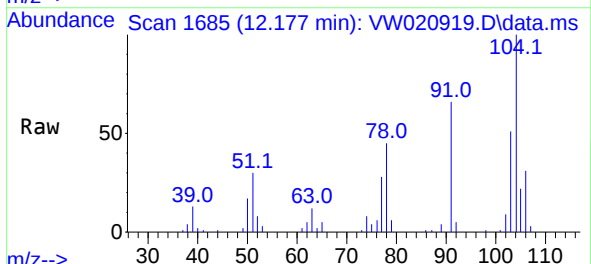
Manual Integrations
APPROVED

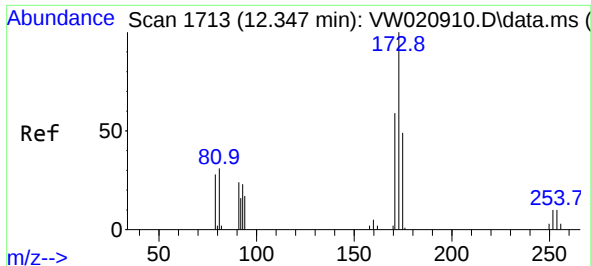
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#70
Styrene
Concen: 4.792 ug/l
RT: 12.177 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

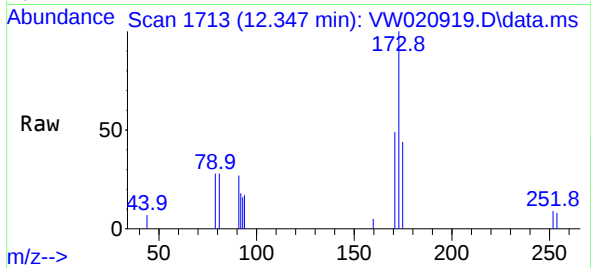
Tgt Ion:104 Resp: 11492
Ion Ratio Lower Upper
104 100
78 50.4 39.4 59.2
103 54.0 42.6 63.8





#71
Bromoform
Concen: 4.523 ug/l
RT: 12.347 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

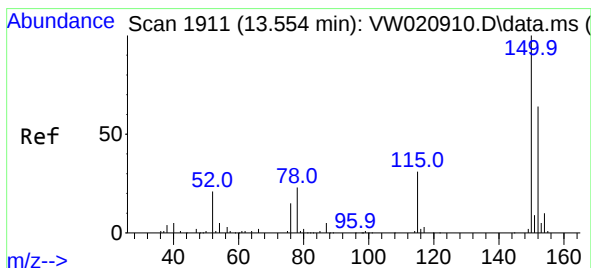
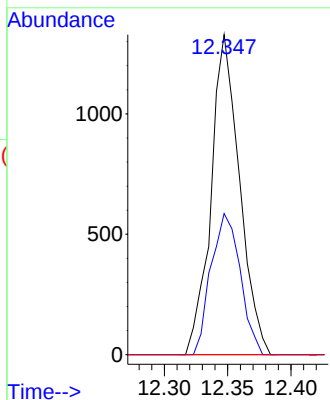
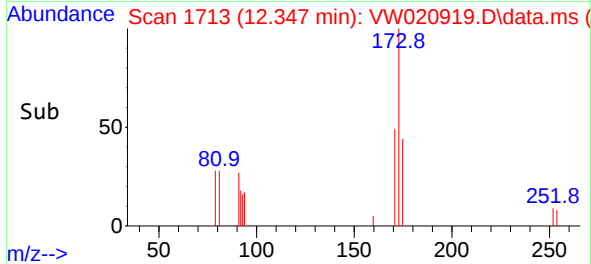
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



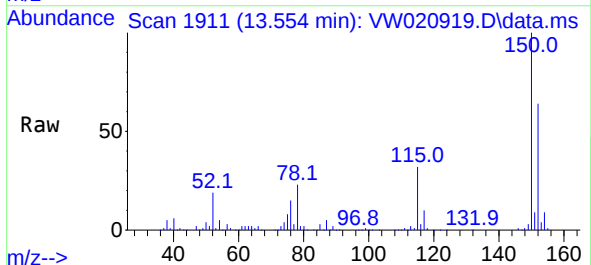
Tgt Ion:173 Resp: 2080
Ion Ratio Lower Upper
173 100
175 45.2 25.1 75.3
254 0.0 0.0 0.0

Manual Integrations
APPROVED

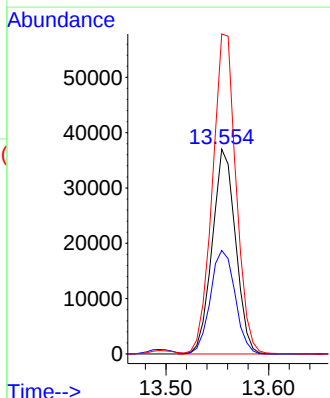
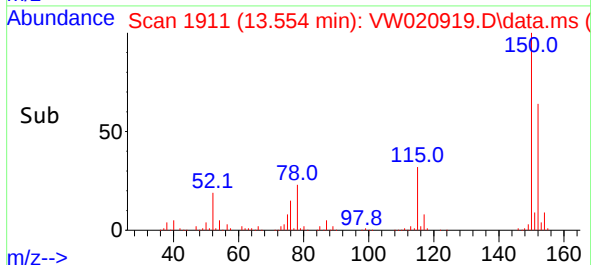
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

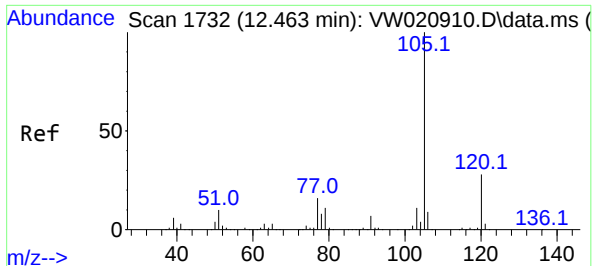


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



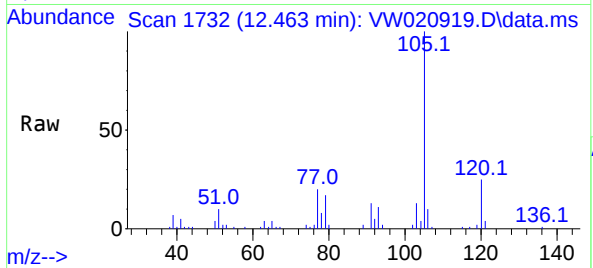
Tgt Ion:152 Resp: 58194
Ion Ratio Lower Upper
152 100
115 53.6 27.8 83.3
150 158.6 0.0 348.4





#73
Isopropylbenzene
Concen: 4.670 ug/l
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

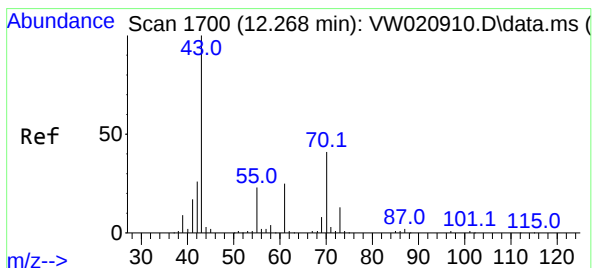
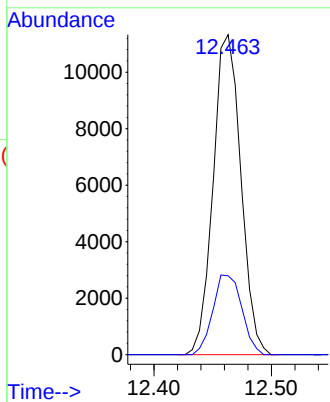
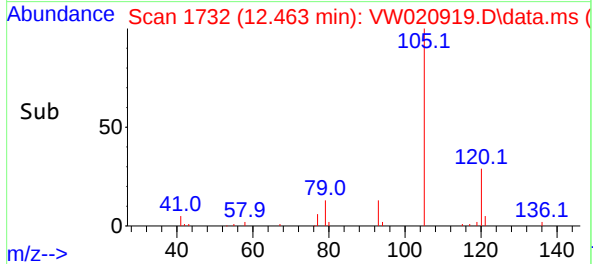
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



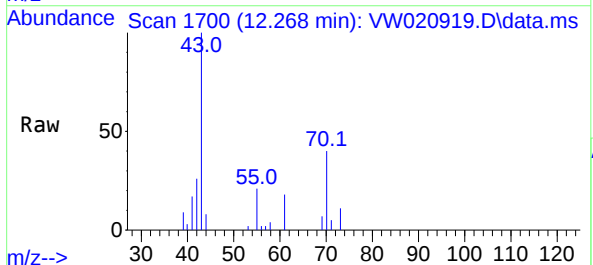
Tgt Ion:105 Resp: 1857
Ion Ratio Lower Upper
105 100
120 26.0 13.9 41.7

Manual Integrations
APPROVED

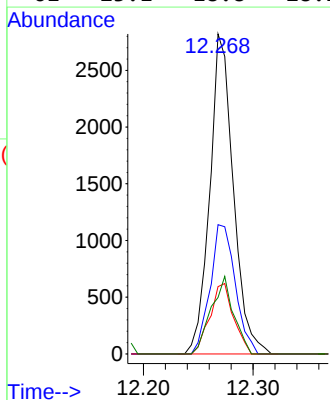
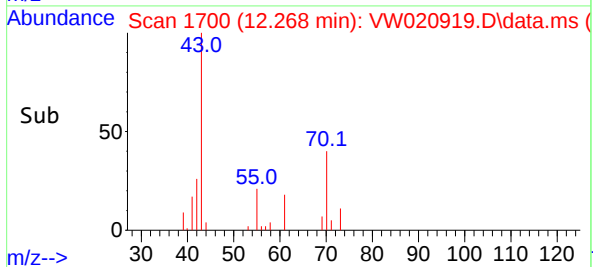
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

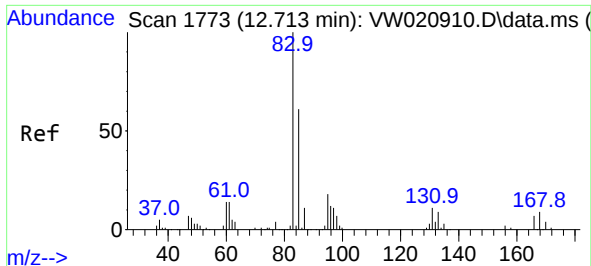


#74
N-ethyl acetate
Concen: 4.450 ug/l
RT: 12.268 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



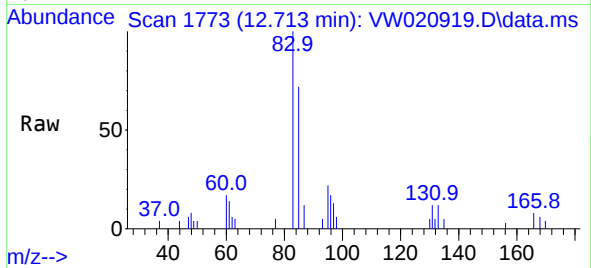
Tgt Ion: 43 Resp: 4215
Ion Ratio Lower Upper
43 100
70 43.1 33.7 50.5
55 22.1 18.5 27.7
61 23.1 18.8 28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 4.839 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

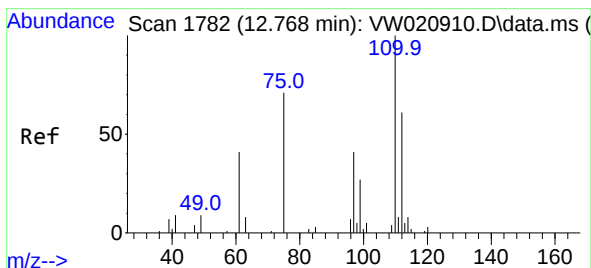
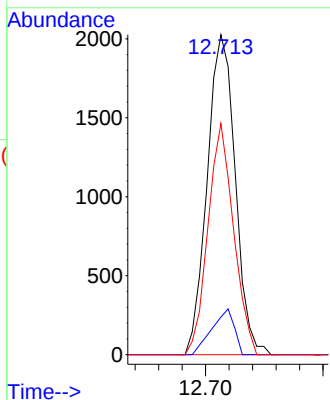
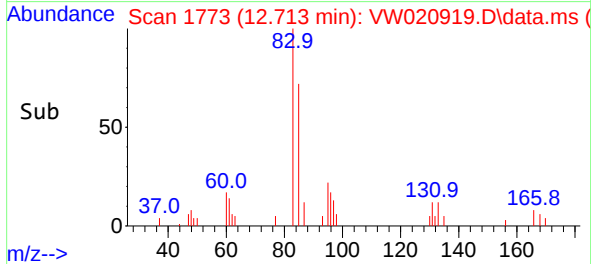
Instrument : MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 83 Resp: 335
Ion Ratio Lower Upper
83 100
131 11.4 5.9 17.6
85 66.0 32.0 96.0

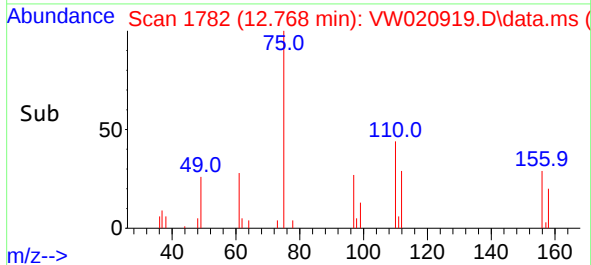
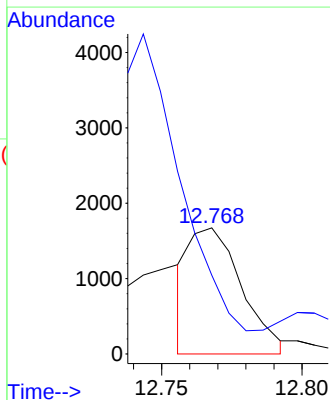
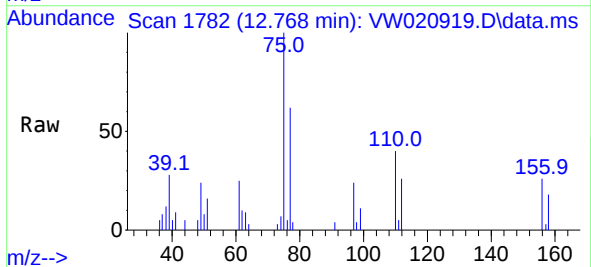
Manual Integrations
APPROVED

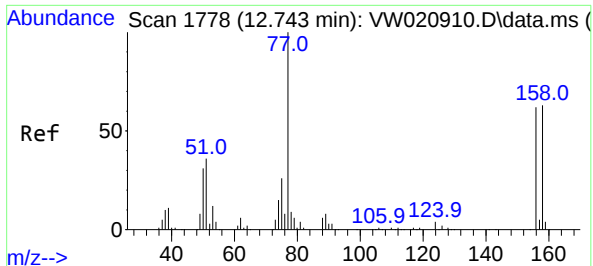
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#76
1,2,3-Trichloropropane
Concen: 4.145 ug/l m
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion: 75 Resp: 2167
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





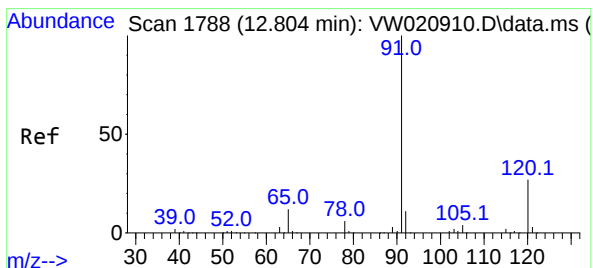
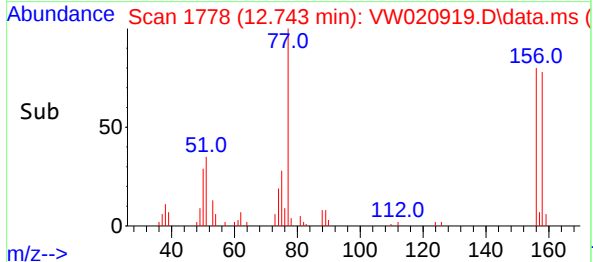
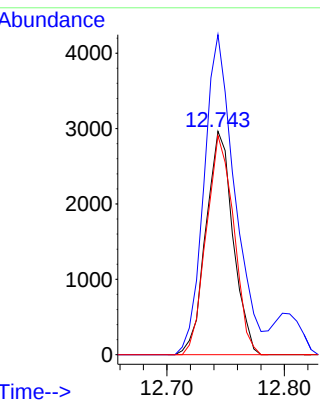
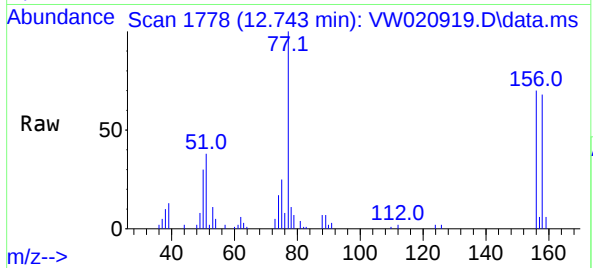
#77
Bromobenzene
Concen: 4.939 ug/l
RT: 12.743 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:156 Resp: 477
Ion Ratio Lower Upper
156 100
77 161.0 87.0 261.0
158 98.8 49.8 149.4

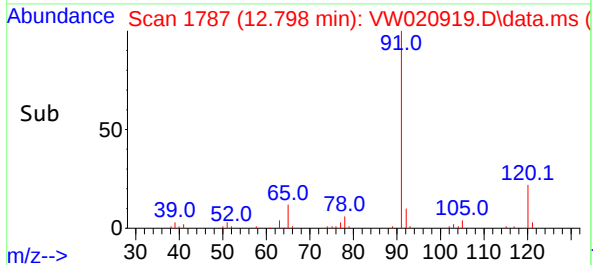
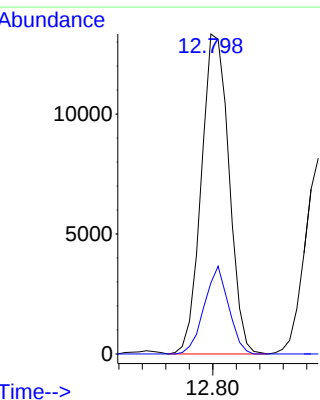
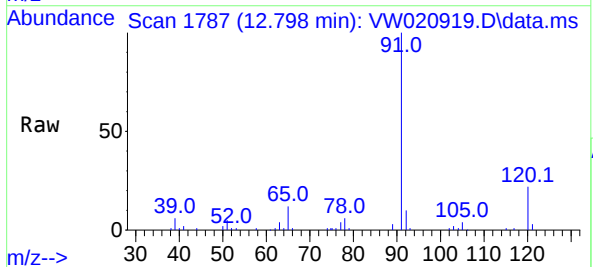
Manual Integrations
APPROVED

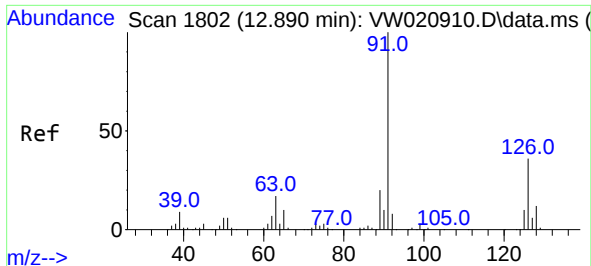
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#78
n-propylbenzene
Concen: 4.658 ug/l
RT: 12.798 min Scan# 1787
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion: 91 Resp: 21815
Ion Ratio Lower Upper
91 100
120 24.1 12.4 37.4





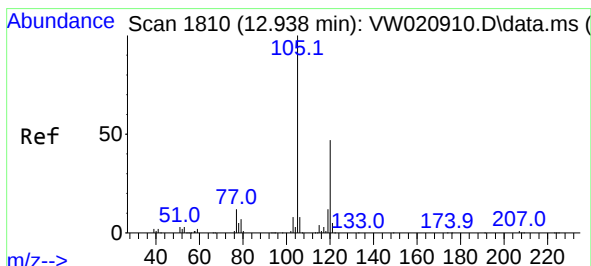
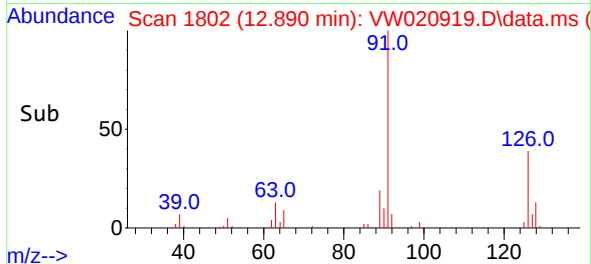
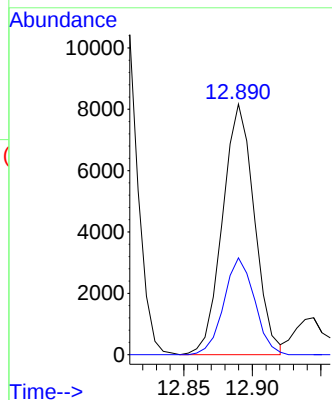
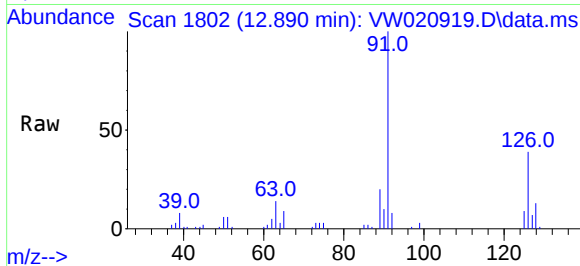
#79
2-Chlorotoluene
Concen: 4.882 ug/l
RT: 12.890 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 91 Resp: 13210
Ion Ratio Lower Upper
91 100
126 37.1 18.0 54.0

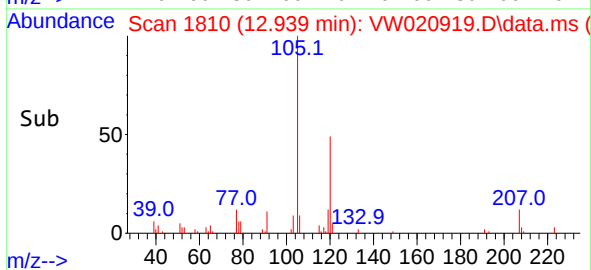
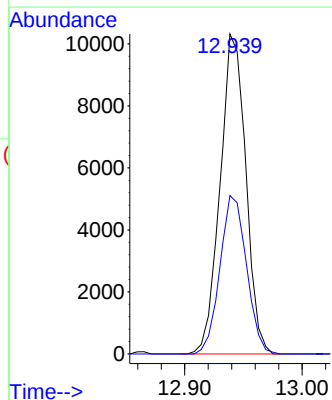
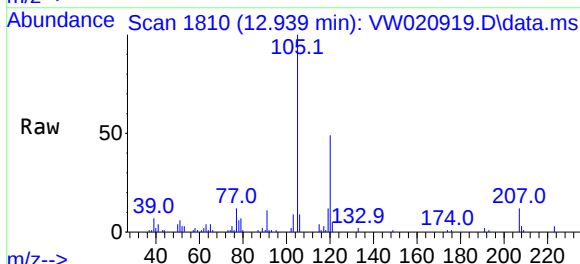
Manual Integrations
APPROVED

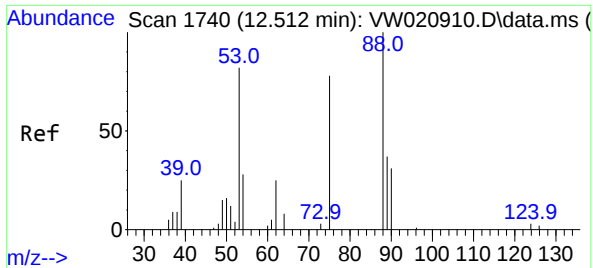
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#80
1,3,5-Trimethylbenzene
Concen: 4.594 ug/l
RT: 12.939 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

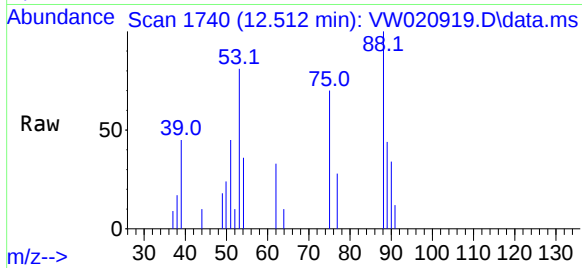
Tgt Ion:105 Resp: 15666
Ion Ratio Lower Upper
105 100
120 51.1 24.7 74.1





#81
trans-1,4-Dichloro-2-butene
Concen: 3.968 ug/l
RT: 12.512 min Scan# 1740
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

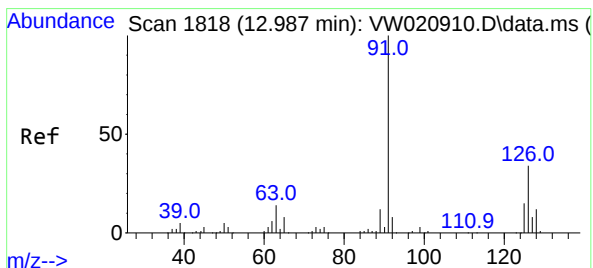
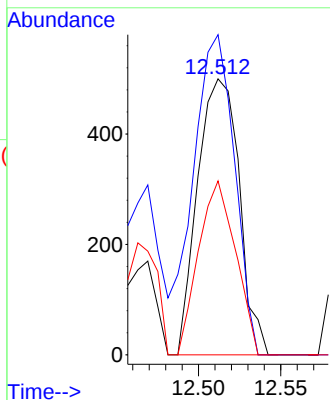
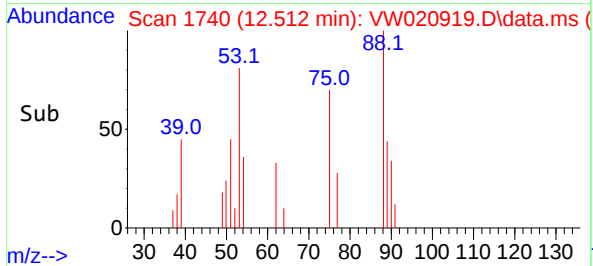
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT4-2021



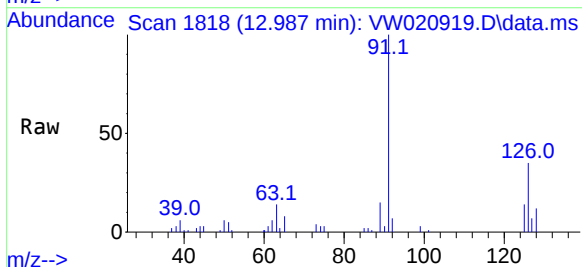
Tgt Ion: 75 Resp: 882
Ion Ratio Lower Upper
75 100
53 115.0 81.8 122.8
89 56.1 38.6 57.8

Manual Integrations
APPROVED

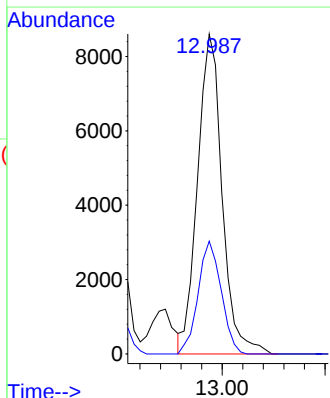
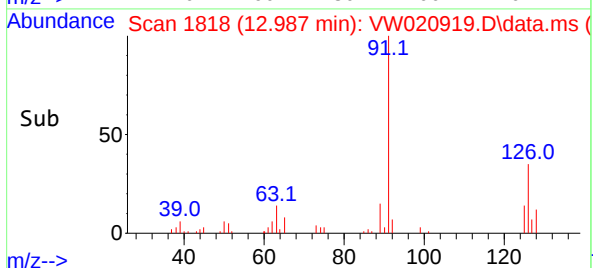
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

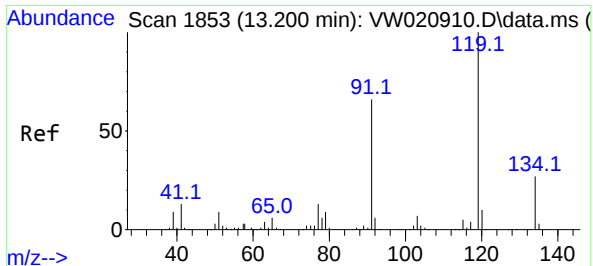


#82
4-Chlorotoluene
Concen: 4.973 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



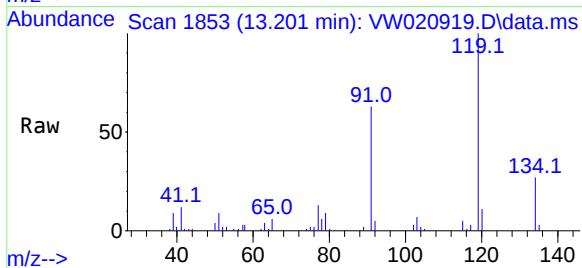
Tgt Ion: 91 Resp: 14276
Ion Ratio Lower Upper
91 100
126 33.1 17.1 51.2





#83
tert-Butylbenzene
Concen: 4.474 ug/l
RT: 13.201 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

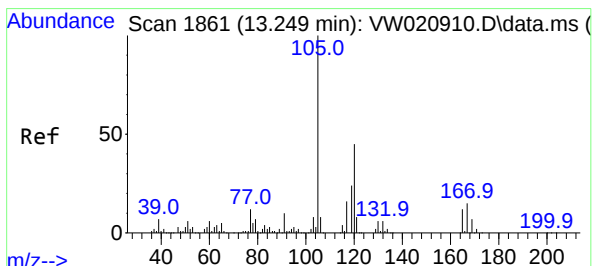
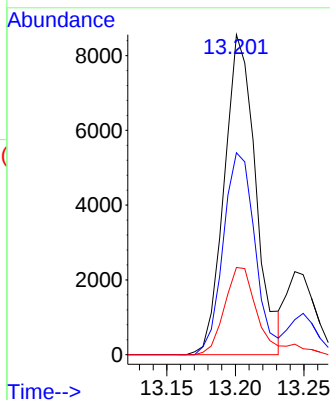
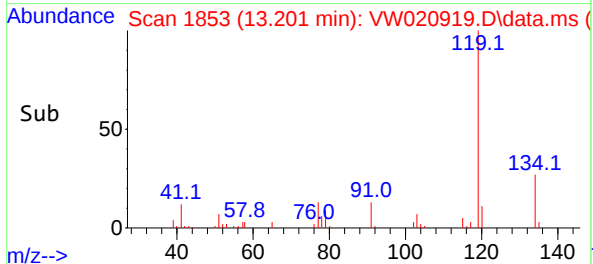
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



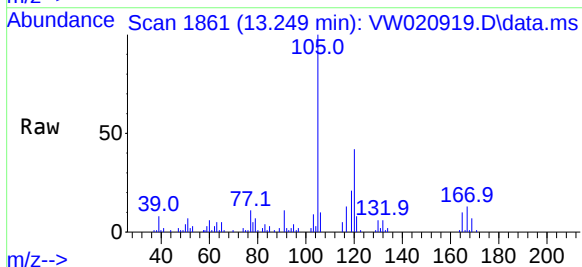
Tgt Ion:119 Resp: 13630
Ion Ratio Lower Upper
119 100
91 63.8 32.6 97.8
134 29.7 13.2 39.5

Manual Integrations
APPROVED

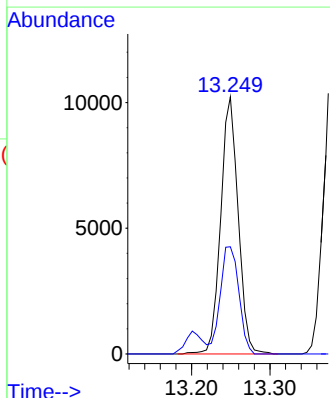
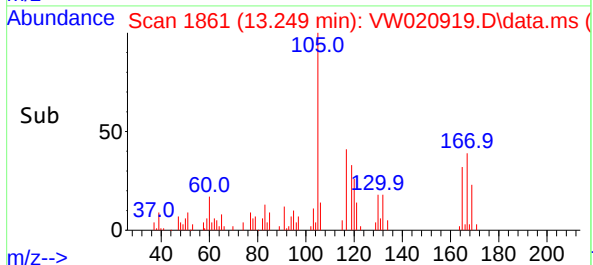
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

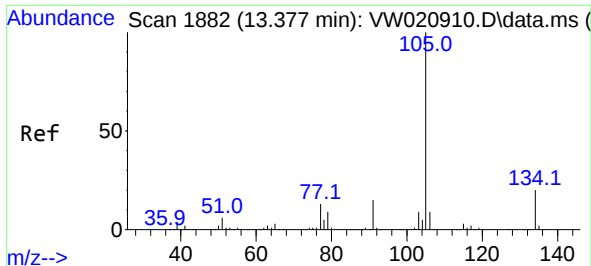


#84
1,2,4-Trimethylbenzene
Concen: 4.708 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



Tgt Ion:105 Resp: 15856
Ion Ratio Lower Upper
105 100
120 44.7 22.7 68.1





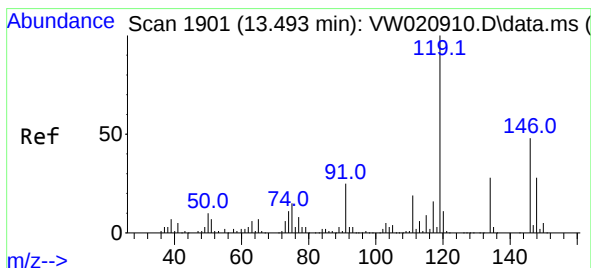
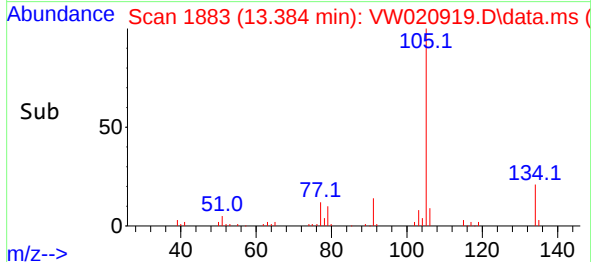
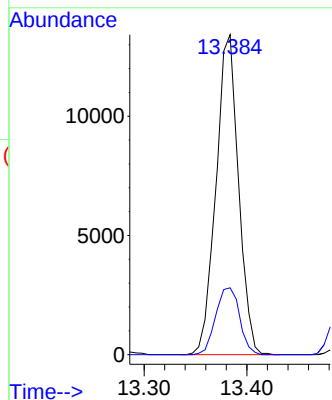
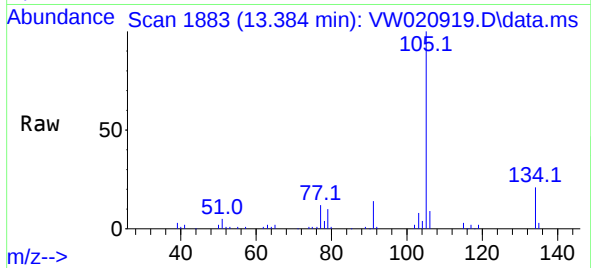
#85
 sec-Butylbenzene
 Concen: 4.649 ug/l
 RT: 13.384 min Scan# 1883
 Delta R.T. 0.006 min
 Lab File: VW020919.D
 Acq: 17 Nov 2021 22:36

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Tgt Ion:105 Resp: 2039
 Ion Ratio Lower Upper
 105 100
 134 22.2 10.4 31.4

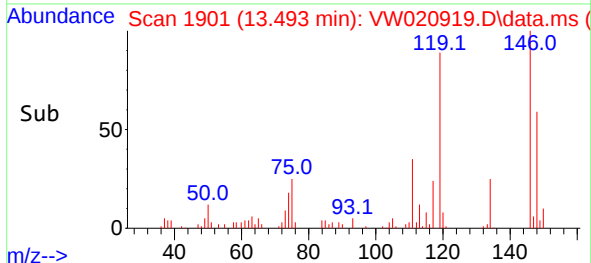
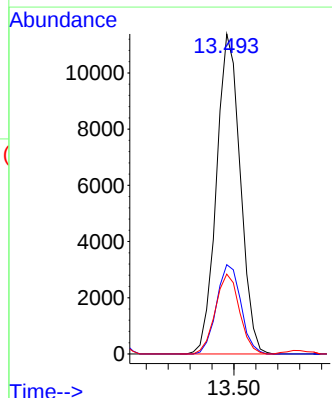
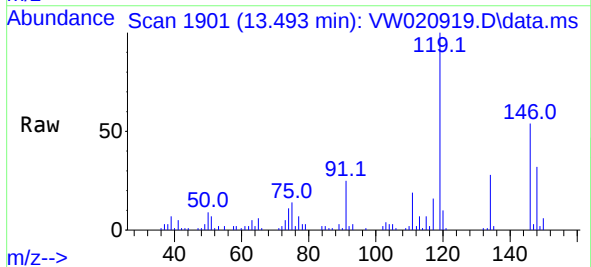
Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021

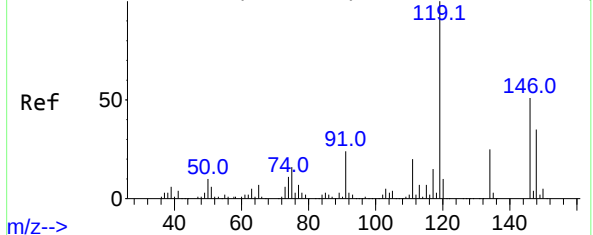


#86
 p-Isopropyltoluene
 Concen: 4.545 ug/l
 RT: 13.493 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: VW020919.D
 Acq: 17 Nov 2021 22:36

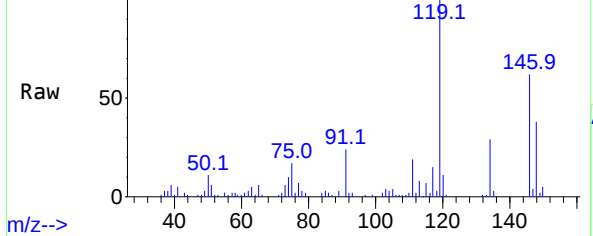
Tgt Ion:119 Resp: 17186
 Ion Ratio Lower Upper
 119 100
 134 28.4 13.2 39.5
 91 25.2 11.9 35.9



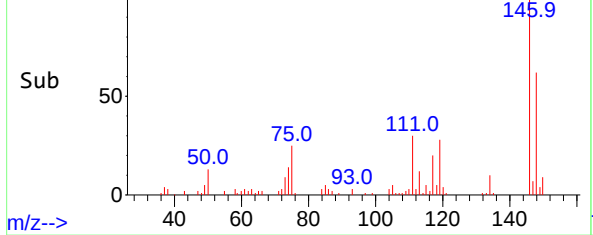
Abundance Scan 1902 (13.499 min): VW020910.D\data.ms (



m/z--> Abundance Scan 1902 (13.499 min): VW020919.D\data.ms



m/z--> Abundance Scan 1902 (13.499 min): VW020919.D\data.ms (



m/z-->

#87

1,3-Dichlorobenzene

Concen: 5.098 ug/l

RT: 13.499 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VW020919.D

Acq: 17 Nov 2021 22:36

Tgt Ion:146 Resp: 9980

Ion Ratio Lower Upper

146 100

111 36.3 20.0 59.9

148 60.7 31.7 95.1

Instrument :

MSVOA_W

ClientSampleId :

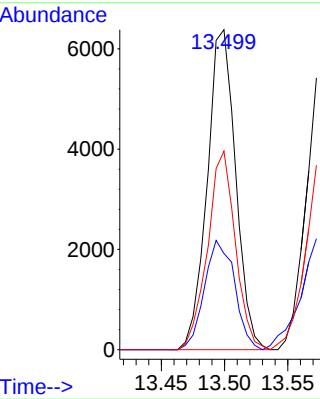
LOQ-SOIL-02-QT4-2021

Manual Integrations

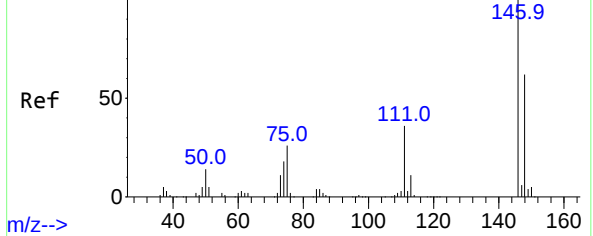
APPROVED

Reviewed By :Vimala Arumugam 11/18/2021

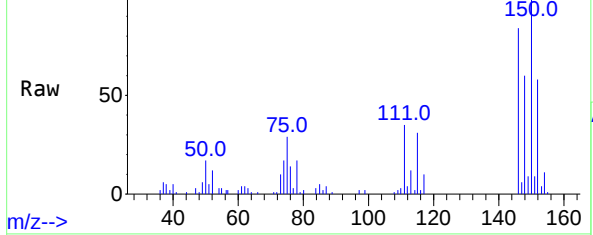
Supervised By :Mahesh Dadoda 11/18/2021



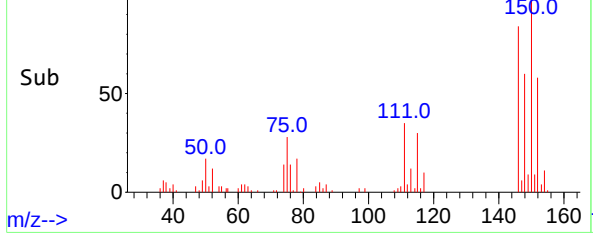
Abundance Scan 1915 (13.578 min): VW020910.D\data.ms (



m/z--> Abundance Scan 1915 (13.579 min): VW020919.D\data.ms



m/z--> Abundance Scan 1915 (13.579 min): VW020919.D\data.ms (



m/z-->

#88

1,4-Dichlorobenzene

Concen: 4.767 ug/l

RT: 13.579 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VW020919.D

Acq: 17 Nov 2021 22:36

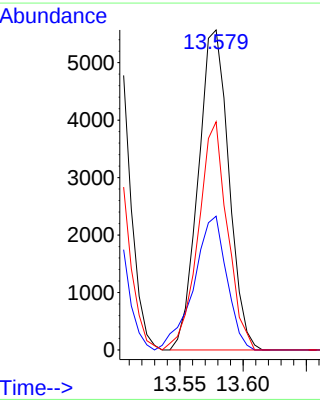
Tgt Ion:146 Resp: 9377

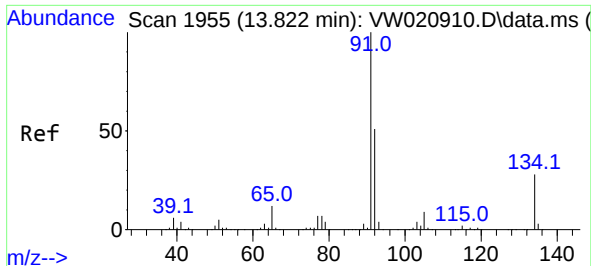
Ion Ratio Lower Upper

146 100

111 44.8 18.8 56.4

148 67.8 31.1 93.2





#89
n-Butylbenzene
Concen: 4.539 ug/l
RT: 13.823 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

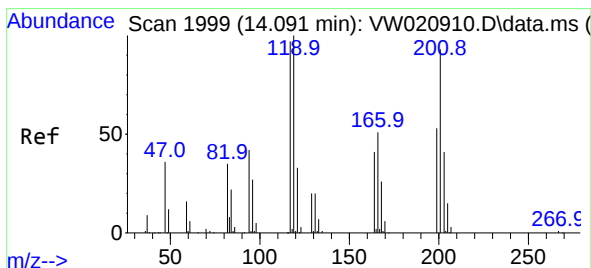
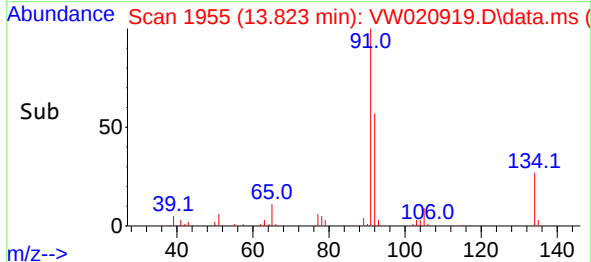
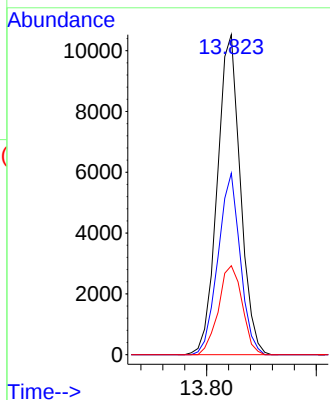
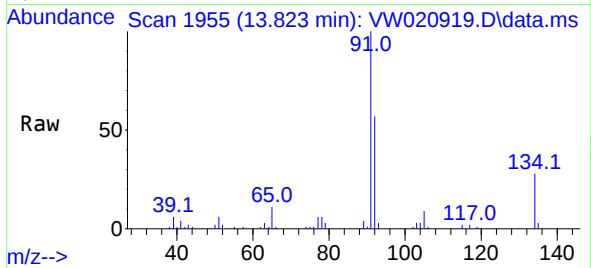
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion: 91 Resp: 1541

Ion	Ratio	Lower	Upper
91	100		
92	54.5	26.5	79.4
134	28.6	13.6	40.8

Manual Integrations
APPROVED

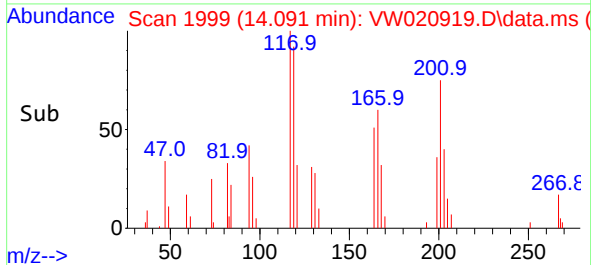
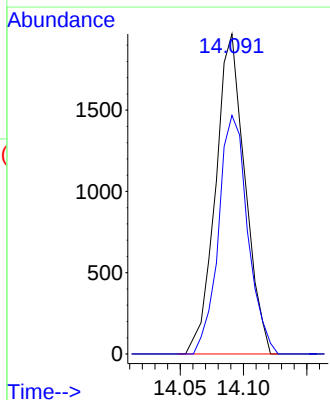
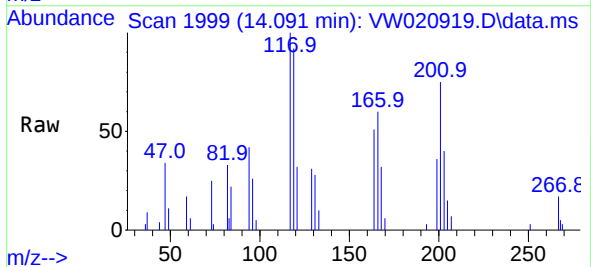
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

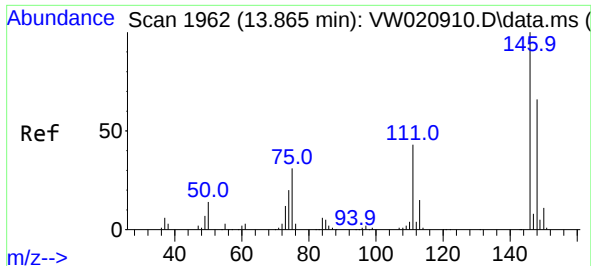


#90
Hexachloroethane
Concen: 4.470 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion:117 Resp: 3183

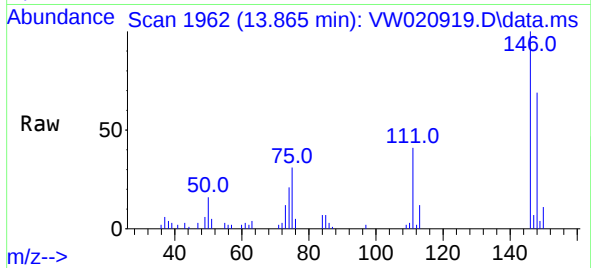
Ion	Ratio	Lower	Upper
117	100		
201	74.1	43.8	131.4





#91
1,2-Dichlorobenzene
Concen: 4.969 ug/l
RT: 13.865 min Scan# 1962
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

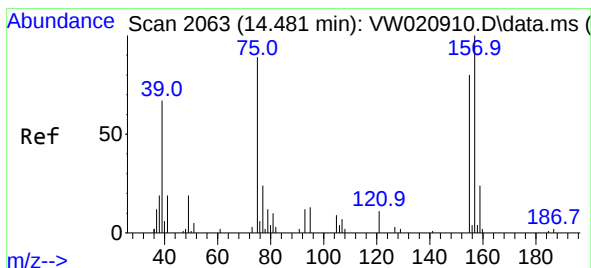
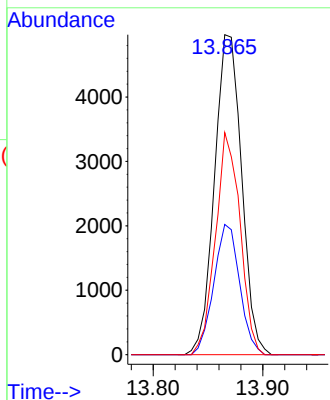
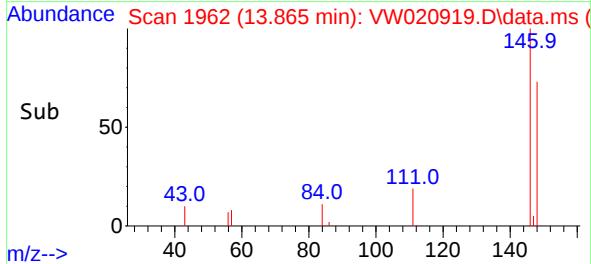
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT4-2021



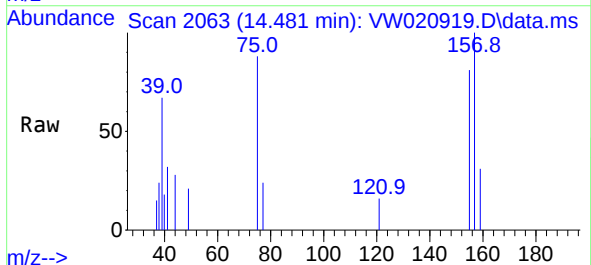
Tgt Ion:146 Resp: 8540
Ion Ratio Lower Upper
146 100
111 38.8 21.1 63.3
148 62.9 32.6 97.8

Manual Integrations
APPROVED

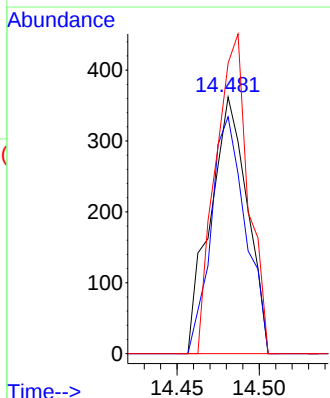
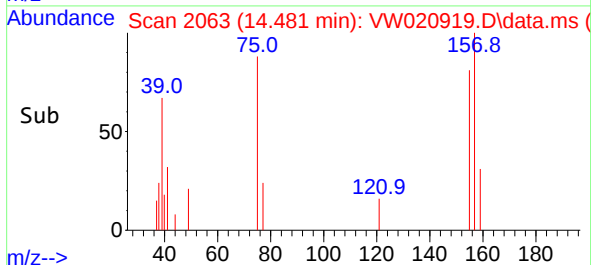
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

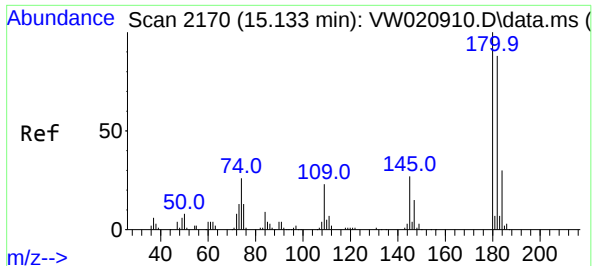


#92
1,2-Dibromo-3-Chloropropane
Concen: 4.662 ug/l
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36



Tgt Ion: 75 Resp: 568
Ion Ratio Lower Upper
75 100
155 85.7 45.9 137.6
157 109.7 57.8 173.4





#93

1,2,4-Trichlorobenzene

Concen: 4.862 ug/l

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW020919.D

Acq: 17 Nov 2021 22:36

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

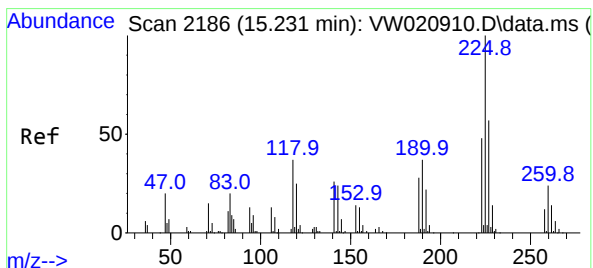
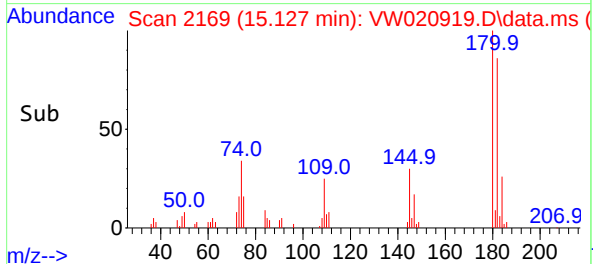
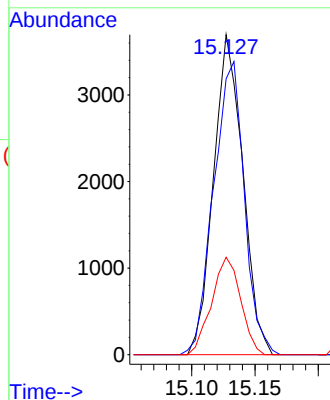
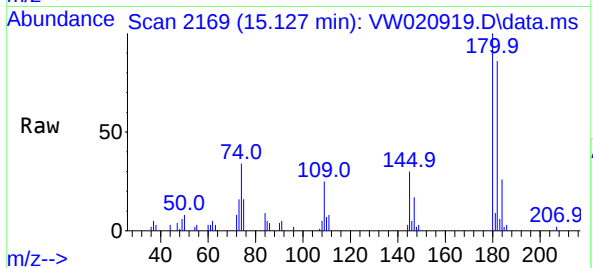
Tgt Ion:180	Resp:	595
Ion Ratio	Lower	Upper
180	100	
182	95.7	46.5 139.3
145	30.1	15.0 45.1

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/18/2021

Supervised By :Mahesh Dadoda 11/18/2021



#94

Hexachlorobutadiene

Concen: 4.983 ug/l

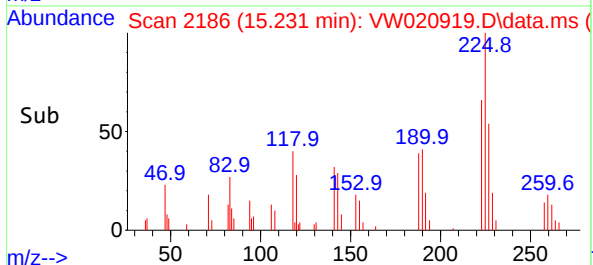
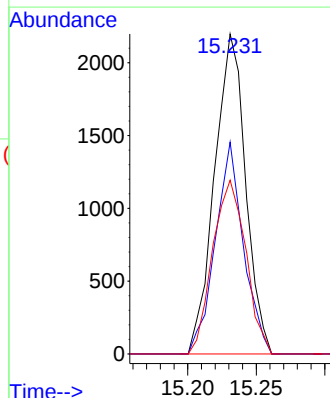
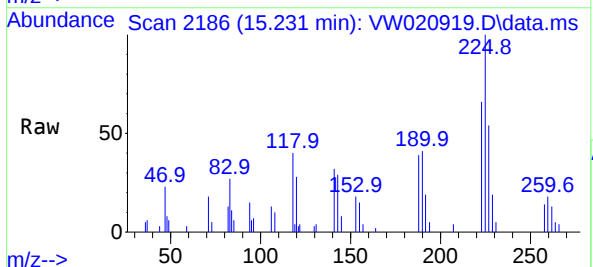
RT: 15.231 min Scan# 2186

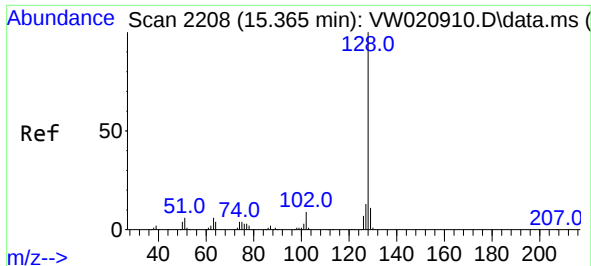
Delta R.T. 0.000 min

Lab File: VW020919.D

Acq: 17 Nov 2021 22:36

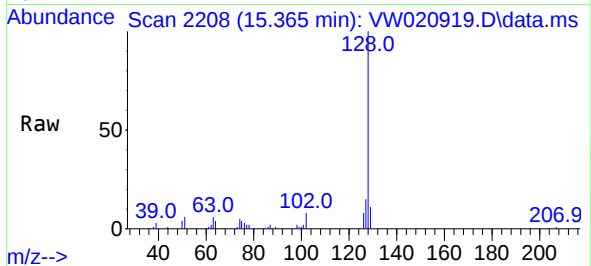
Tgt Ion:225	Resp:	3463
Ion Ratio	Lower	Upper
225	100	
223	60.0	31.1 93.3
227	58.0	32.8 98.3





#95
Naphthalene
Concen: 4.737 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

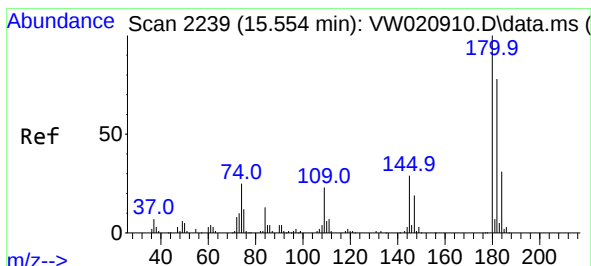
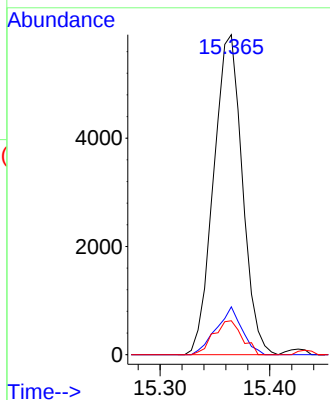
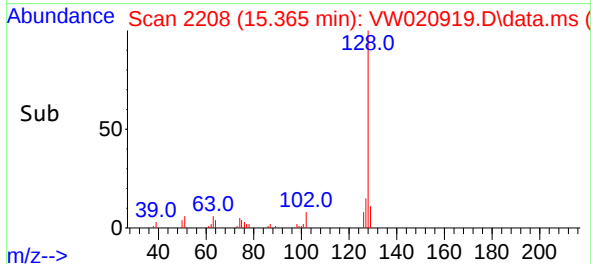
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:128 Resp: 10760
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.5 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#96
1,2,3-Trichlorobenzene
Concen: 4.687 ug/l
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW020919.D
Acq: 17 Nov 2021 22:36

Tgt Ion:180 Resp: 5065
Ion Ratio Lower Upper
180 100
182 99.0 46.2 138.6
145 30.4 14.9 44.5

