

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111821\
 Data File : VW020928.D
 Acq On : 18 Nov 2021 15:20
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Nov 19 04:59:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 19 04:59:01 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Vimala Arumugam 11/19/2021
 Supervised By :Mahesh Dadoda 11/19/2021

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	79285	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	114698	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	104048	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	54268	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	32645	44.450	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	88.900%		
35) Dibromofluoromethane	7.884	113	33716	46.864	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.720%		
50) Toluene-d8	10.323	98	123648	46.860	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.720%		
62) 4-Bromofluorobenzene	12.615	95	45740	46.481	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	92.960%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.020	85	605	4.196	ug/l #	41
3) Chloromethane	2.209	50	2398	5.254	ug/l	98
4) Vinyl Chloride	2.361	62	4147	5.160	ug/l	94
5) Bromomethane	2.763	94	3463	6.694	ug/l	92
6) Chloroethane	2.916	64	1822	5.882	ug/l	100
7) Trichlorofluoromethane	3.257	101	2175	6.525	ug/l	92
8) Diethyl Ether	3.678	74	1689	4.824	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.068	101	3877	5.638	ug/l	98
10) Methyl Iodide	4.269	142	5385	5.192	ug/l	100
11) Tert butyl alcohol	5.171	59	2597m	40.137	ug/l	
12) 1,1-Dichloroethene	4.037	96	3434	5.096	ug/l	95
13) Acrolein	3.903	56	348	31.094	ug/l #	76
14) Allyl chloride	4.672	41	4710	4.869	ug/l	96
15) Acrylonitrile	5.373	53	3406	22.487	ug/l	100
16) Acetone	4.129	43	3879	25.409	ug/l	99
17) Carbon Disulfide	4.385	76	9338	5.043	ug/l	99
18) Methyl Acetate	4.684	43	2476	4.648	ug/l	97
19) Methyl tert-butyl Ether	5.427	73	5902	5.083	ug/l	97
20) Methylene Chloride	4.921	84	8570	10.050	ug/l	88
21) trans-1,2-Dichloroethene	5.421	96	3996	5.210	ug/l	87
22) Diisopropyl ether	6.311	45	9592	4.832	ug/l	92
23) Vinyl Acetate	6.257	43	25736	22.157	ug/l	99
24) 1,1-Dichloroethane	6.214	63	6439	5.099	ug/l	98
25) 2-Butanone	7.177	43	4901	22.604	ug/l	98
26) 2,2-Dichloropropane	7.159	77	5297	5.911	ug/l	92
27) cis-1,2-Dichloroethene	7.171	96	4509	5.262	ug/l	95
28) Bromochloromethane	7.512	49	2736	5.120	ug/l #	99
29) Tetrahydrofuran	7.537	42	2736	20.807	ug/l	99
30) Chloroform	7.677	83	7194	5.178	ug/l	89
31) Cyclohexane	7.951	56	7546	6.159	ug/l #	87
32) 1,1,1-Trichloroethane	7.872	97	5882	5.014	ug/l	96
36) 1,1-Dichloropropene	8.079	75	5609	5.444	ug/l	98
37) Ethyl Acetate	7.256	43	2133	4.538	ug/l #	85
38) Carbon Tetrachloride	8.067	117	5965	5.442	ug/l	92
39) Methylcyclohexane	9.335	83	7019	5.425	ug/l	95
40) Benzene	8.323	78	16128	5.490	ug/l	97

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 Supervised By :Mahesh Dadoda 11/19/2021

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	1104	4.405	ug/l #	89
42) 1,2-Dichloroethane	8.403	62	4647	5.214	ug/l	98
43) Isopropyl Acetate	8.427	43	4131	4.479	ug/l #	91
44) Trichloroethene	9.091	130	4563	5.323	ug/l	88
45) 1,2-Dichloropropane	9.372	63	3397	5.021	ug/l	96
46) Dibromomethane	9.457	93	2033	4.743	ug/l	95
47) Bromodichloromethane	9.646	83	4891	4.822	ug/l	90
48) Methyl methacrylate	9.439	41	1743	4.248	ug/l	97
49) 1,4-Dioxane	9.457	88	579	93.735	ug/l	93
51) 4-Methyl-2-Pentanone	10.213	43	11009	23.442	ug/l	98
52) Toluene	10.390	92	10233	5.418	ug/l	99
53) t-1,3-Dichloropropene	10.603	75	4423	4.392	ug/l	94
54) cis-1,3-Dichloropropene	10.073	75	5425	4.761	ug/l	93
55) 1,1,2-Trichloroethane	10.786	97	2957	5.145	ug/l	91
56) Ethyl methacrylate	10.652	69	3278	4.479	ug/l	99
57) 1,3-Dichloropropane	10.933	76	4703	4.860	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.921	63	8071	21.914	ug/l	100
59) 2-Hexanone	10.969	43	6674	20.429	ug/l	98
60) Dibromochloromethane	11.128	129	3238	4.469	ug/l	97
61) 1,2-Dibromoethane	11.231	107	2774	4.865	ug/l	98
64) Tetrachloroethene	10.859	164	4062	5.255	ug/l	87
65) Chlorobenzene	11.658	112	11091	5.302	ug/l #	86
66) 1,1,1,2-Tetrachloroethane	11.731	131	3869	4.974	ug/l	98
67) Ethyl Benzene	11.731	91	19281	5.252	ug/l	98
68) m/p-Xylenes	11.841	106	15596	10.509	ug/l	98
69) o-Xylene	12.164	106	7434	5.342	ug/l	95
70) Styrene	12.176	104	11797	5.047	ug/l	96
71) Bromoform	12.347	173	1850	4.115	ug/l #	99
73) Isopropylbenzene	12.463	105	19571	5.277	ug/l	99
74) N-amyl acetate	12.268	43	3611	4.088	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.713	83	3158	4.881	ug/l	98
76) 1,2,3-Trichloropropane	12.768	75	1949m	3.997	ug/l	
77) Bromobenzene	12.743	156	4786	5.313	ug/l	92
78) n-propylbenzene	12.804	91	23464	5.372	ug/l	97
79) 2-Chlorotoluene	12.890	91	13116	5.196	ug/l	99
80) 1,3,5-Trimethylbenzene	12.938	105	16810	5.286	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.512	75	831	4.009	ug/l	88
82) 4-Chlorotoluene	12.987	91	13934	5.205	ug/l	96
83) tert-Butylbenzene	13.200	119	14911	5.246	ug/l	99
84) 1,2,4-Trimethylbenzene	13.249	105	16462	5.242	ug/l	100
85) sec-Butylbenzene	13.383	105	22389	5.474	ug/l	99
86) p-Isopropyltoluene	13.493	119	17891	5.074	ug/l	98
87) 1,3-Dichlorobenzene	13.499	146	9861	5.402	ug/l	97
88) 1,4-Dichlorobenzene	13.578	146	10388	5.663	ug/l	97
89) n-Butylbenzene	13.816	91	16859	5.325	ug/l	99
90) Hexachloroethane	14.091	117	3195	4.811	ug/l	92
91) 1,2-Dichlorobenzene	13.871	146	8540	5.325	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.481	75	495	4.357	ug/l	93
93) 1,2,4-Trichlorobenzene	15.127	180	6027	5.274	ug/l	99
94) Hexachlorobutadiene	15.231	225	3807	5.874	ug/l	94
95) Naphthalene	15.365	128	9871	4.660	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	5089	5.050	ug/l	92

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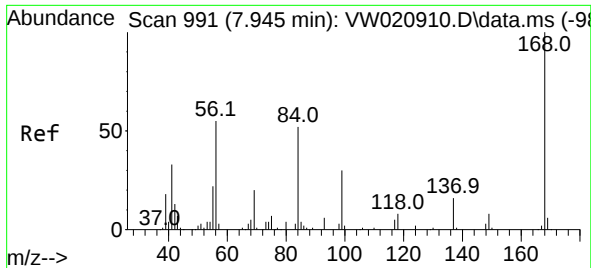
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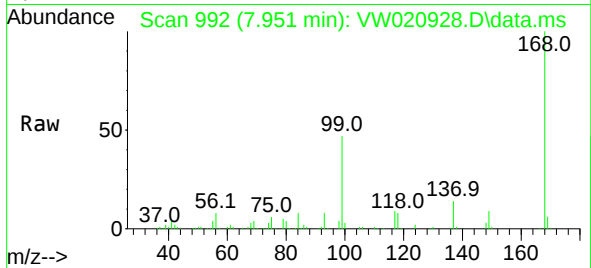
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.951 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW020928.D
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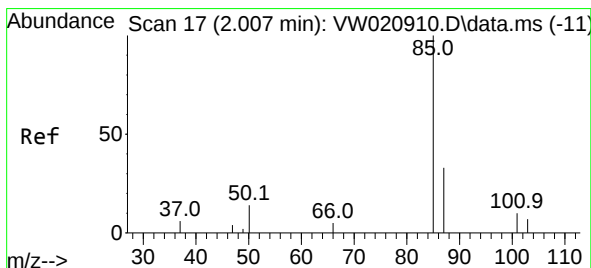
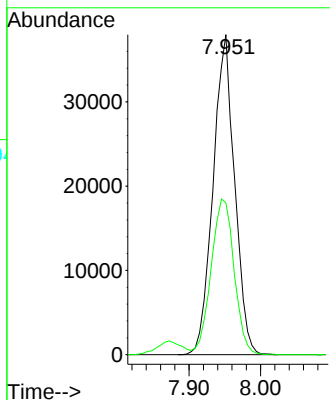
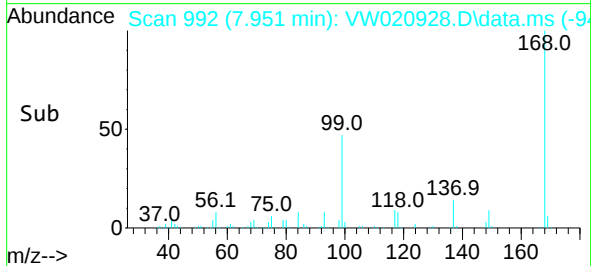
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:168 Resp: 7928
Ion Ratio Lower Upper
168 100
99 47.5 41.6 62.4

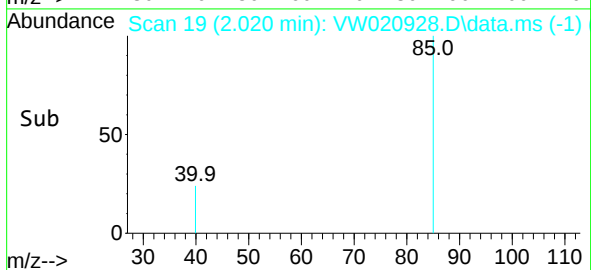
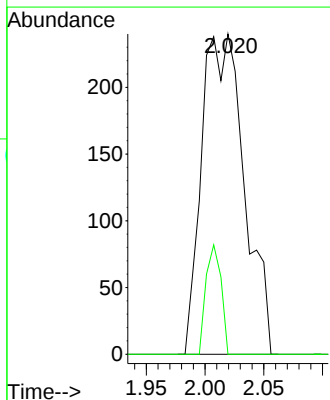
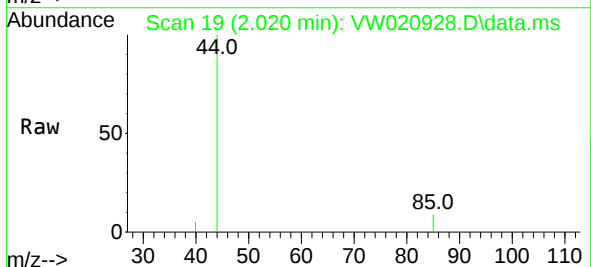
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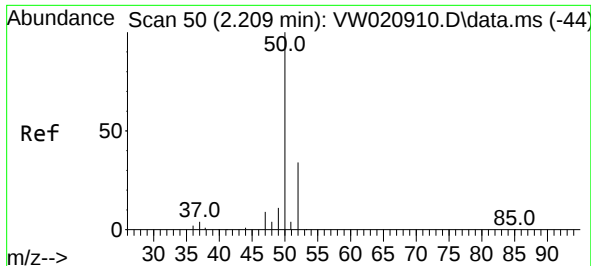
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Supervised By :Mahesh Dadoda 11/19/2021



#2
Dichlorodifluoromethane
Concen: 4.196 ug/l
RT: 2.020 min Scan# 19
Delta R.T. 0.013 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

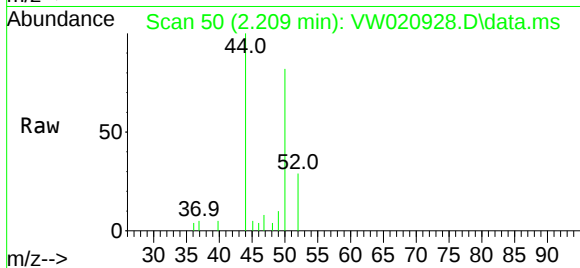
Tgt Ion: 85 Resp: 605
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.3#





#3
Chloromethane
Concen: 5.254 ug/l
RT: 2.209 min Scan# 50
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

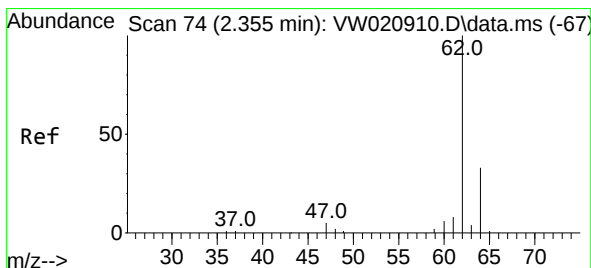
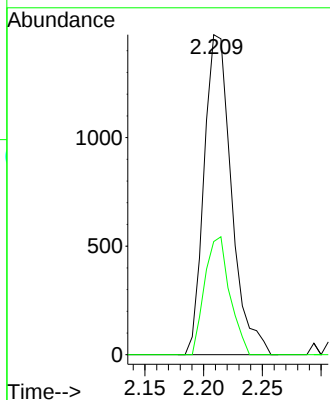
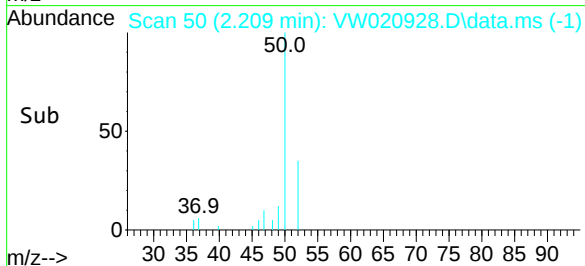
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LOQ-SOIL-02-QT4-2021



Tgt Ion: 50 Resp: 2398
Ion Ratio Lower Upper
50 100
52 35.3 27.2 40.8

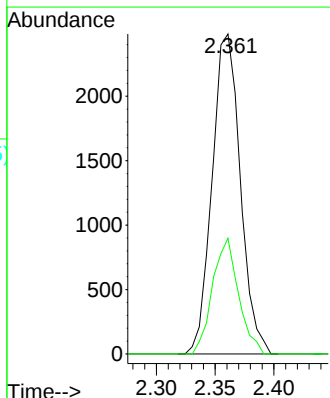
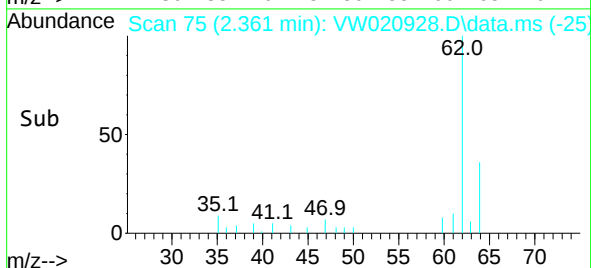
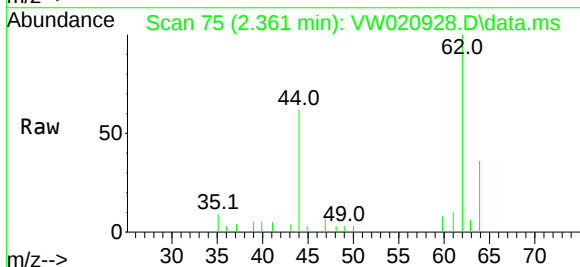
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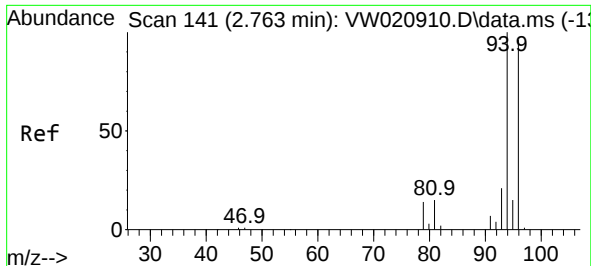
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#4
Vinyl Chloride
Concen: 5.160 ug/l
RT: 2.361 min Scan# 75
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

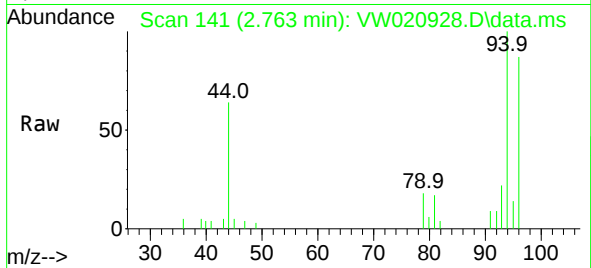
Tgt Ion: 62 Resp: 4147
Ion Ratio Lower Upper
62 100
64 36.2 26.2 39.4





#5
Bromomethane
Concen: 6.694 ug/l
RT: 2.763 min Scan# 141
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

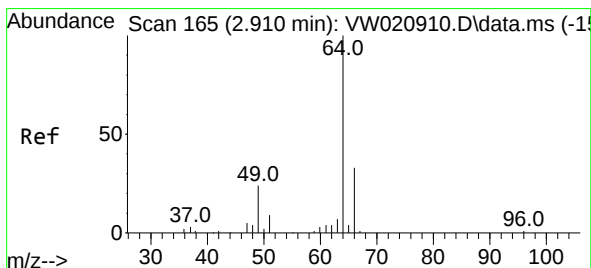
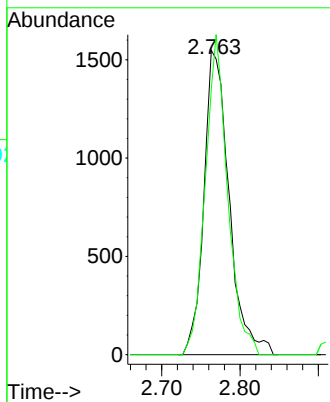
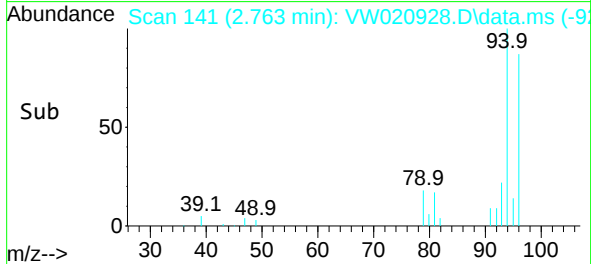
Instrument :
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Tgt Ion: 94 Resp: 346
Ion Ratio Lower Upper
94 100
96 87.4 76.4 114.6

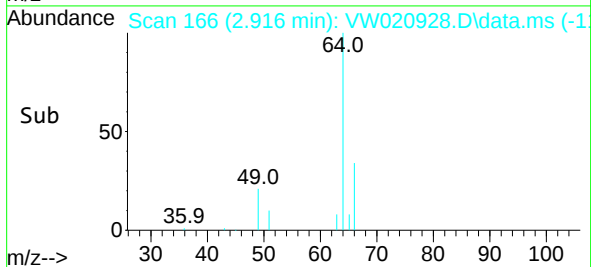
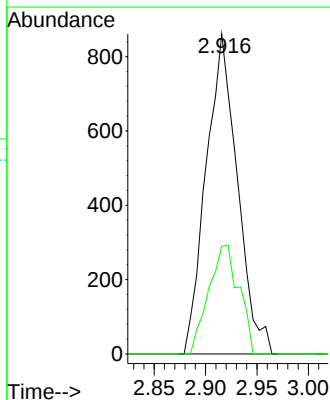
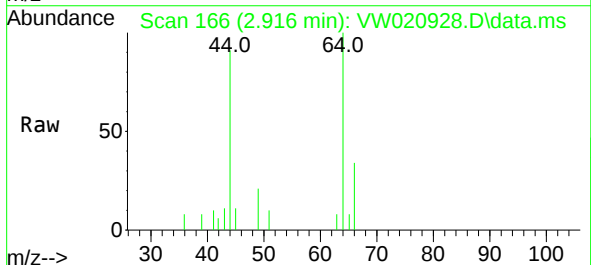
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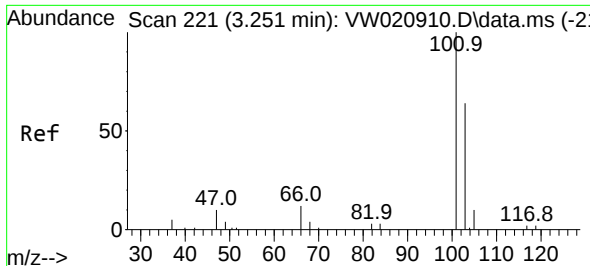
Reviewed By :Vimala Arumugam 11/19/2021
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#6
Chloroethane
Concen: 5.882 ug/l
RT: 2.916 min Scan# 166
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion: 64 Resp: 1822
Ion Ratio Lower Upper
64 100
66 33.6 26.7 40.1





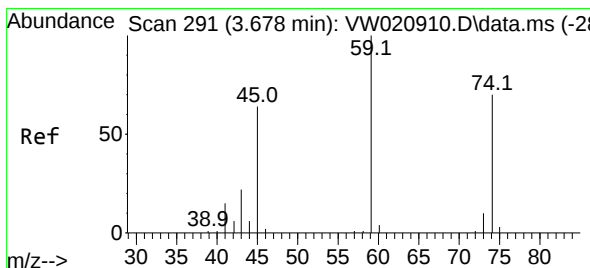
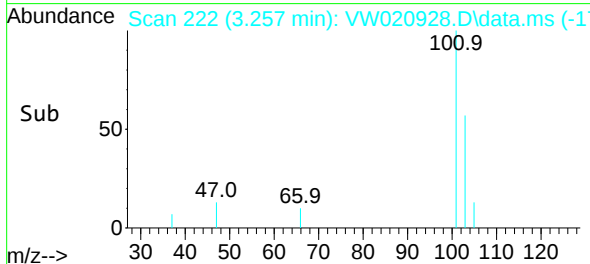
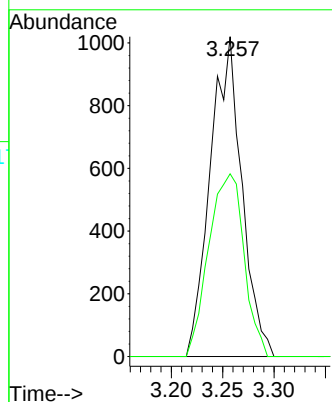
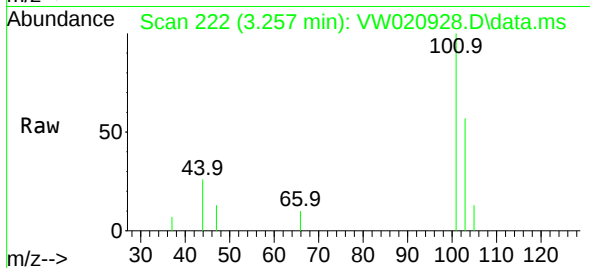
#7
 Trichlorofluoromethane
 Concen: 6.525 ug/l
 RT: 3.257 min Scan# 217
 Delta R.T. 0.006 min
 Lab File: VW020928.D
 Acq: 18 Nov 2021 15:20

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

Tgt Ion:101 Resp: 217
 Ion Ratio Lower Upper
 101 100
 103 57.2 50.9 76.3

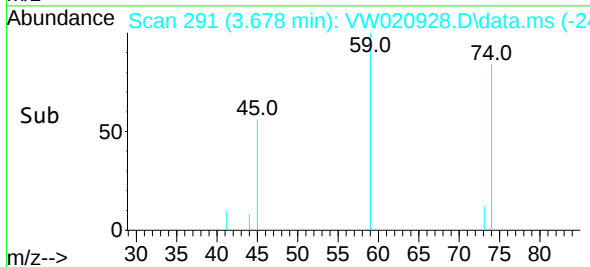
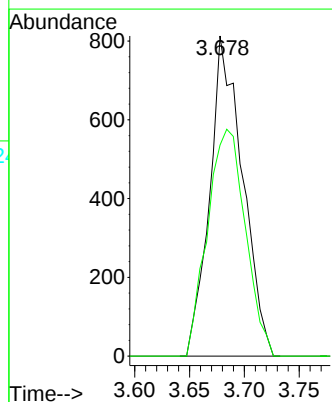
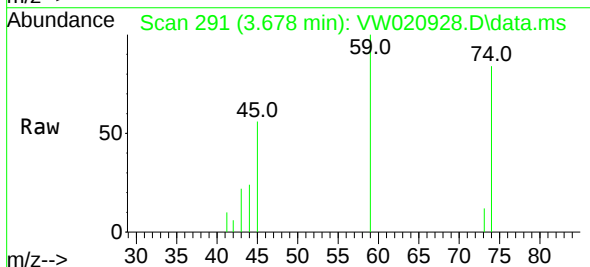
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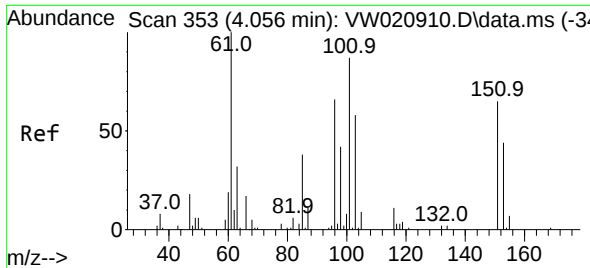
Reviewed By :Vimala Arumugam 11/19/2021
 Supervised By :Mahesh Dadoda 11/19/2021



#8
 Diethyl Ether
 Concen: 4.824 ug/l
 RT: 3.678 min Scan# 291
 Delta R.T. 0.000 min
 Lab File: VW020928.D
 Acq: 18 Nov 2021 15:20

Tgt Ion: 74 Resp: 1689
 Ion Ratio Lower Upper
 74 100
 45 81.9 45.3 135.8





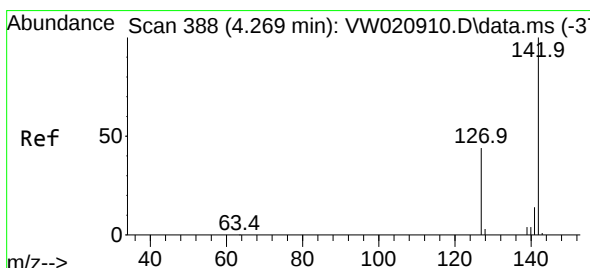
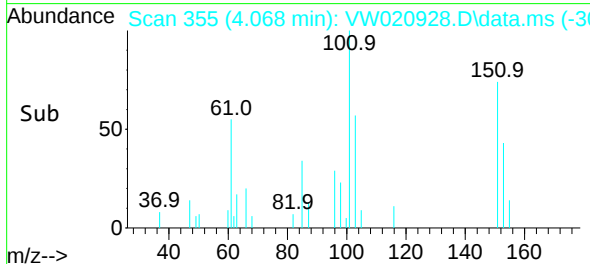
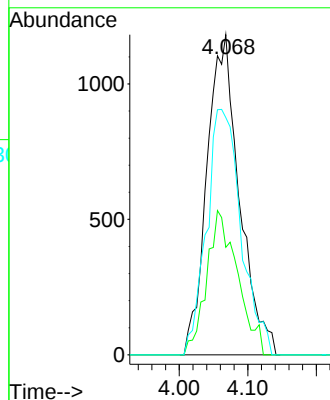
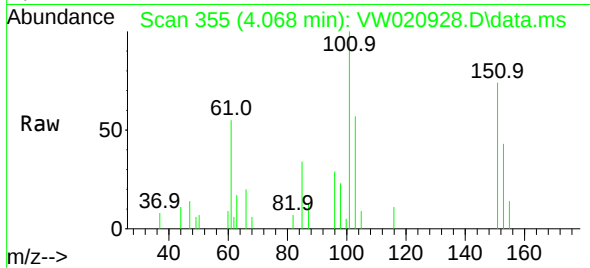
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.638 ug/l
RT: 4.068 min Scan# 353
Delta R.T. 0.012 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion:101 Resp: 387
Ion Ratio Lower Upper
101 100
85 42.9 36.6 54.8
151 81.7 66.3 99.5

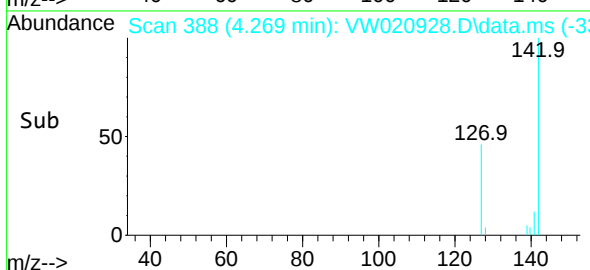
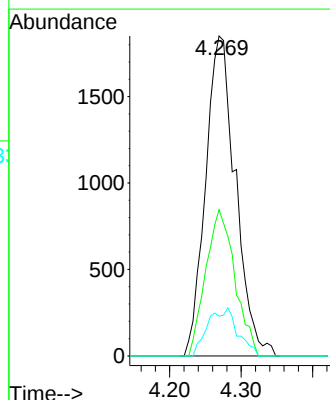
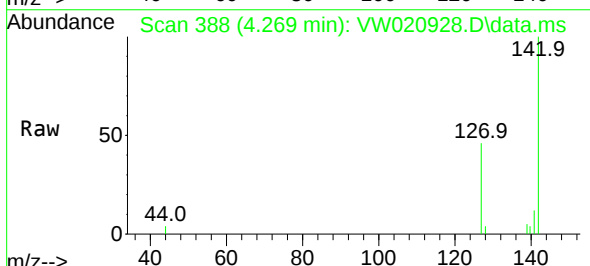
Manual Integrations
APPROVED

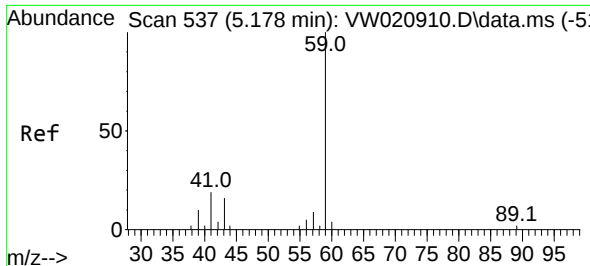
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#10
Methyl Iodide
Concen: 5.192 ug/l
RT: 4.269 min Scan# 388
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion:142 Resp: 5385
Ion Ratio Lower Upper
142 100
127 44.4 35.5 53.3
141 14.9 11.5 17.3





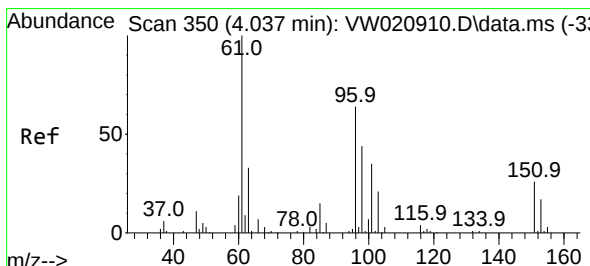
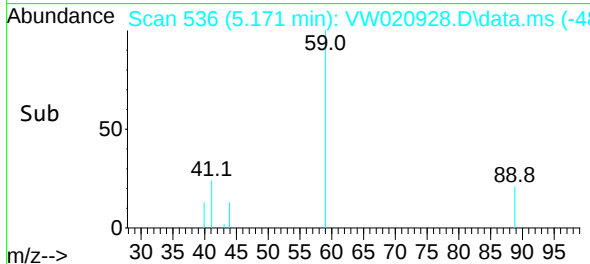
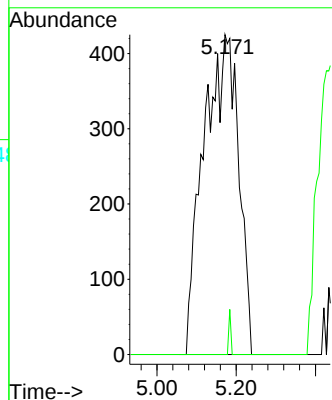
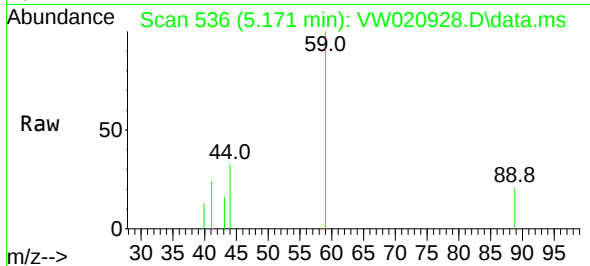
#11
Tert butyl alcohol
Concen: 40.137 ug/l m
RT: 5.171 min Scan# 51
Delta R.T. -0.007 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion: 59 Resp: 259
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5

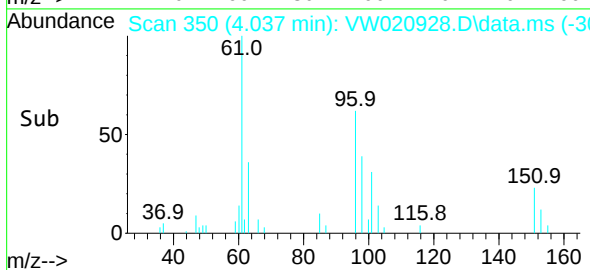
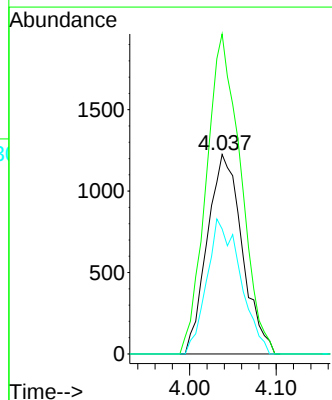
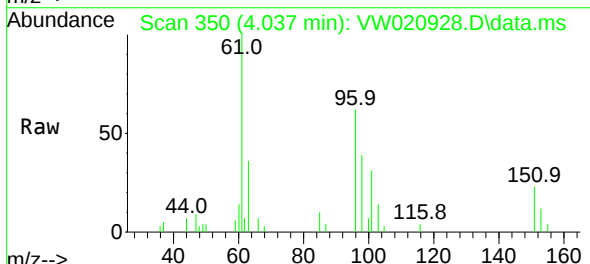
Manual Integrations
APPROVED

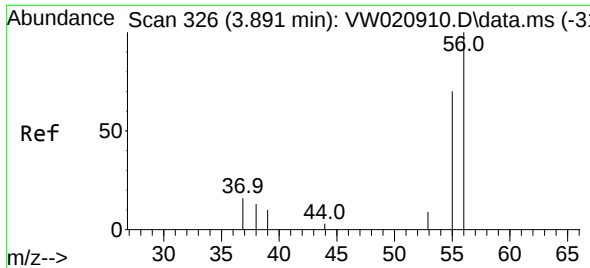
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#12
1,1-Dichloroethene
Concen: 5.096 ug/l
RT: 4.037 min Scan# 350
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

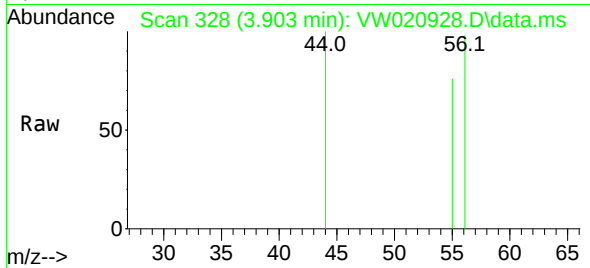
Tgt Ion: 96 Resp: 3434
Ion Ratio Lower Upper
96 100
61 160.4 124.4 186.6
98 62.6 54.2 81.2





#13
Acrolein
Concen: 31.094 ug/l
RT: 3.903 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

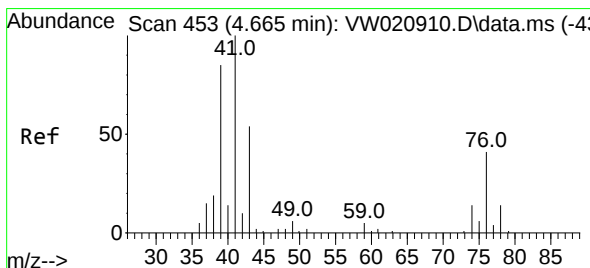
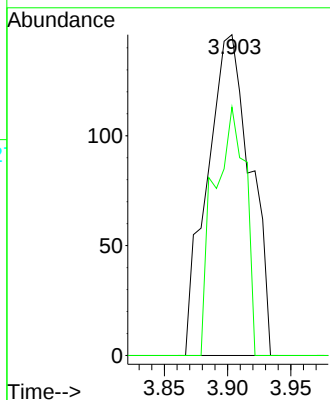
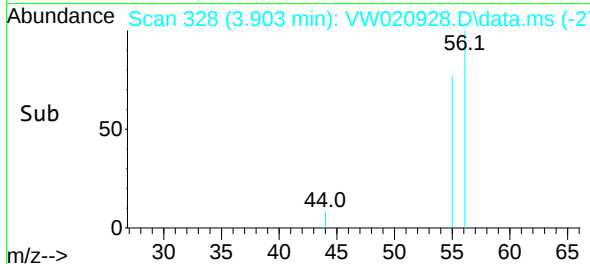
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



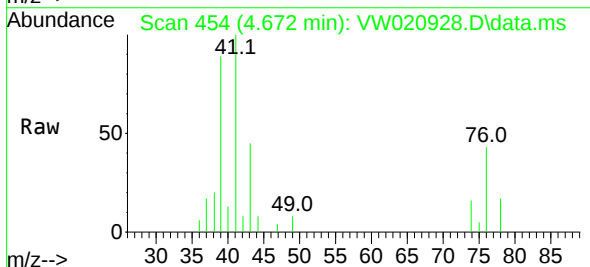
Tgt Ion: 56 Resp: 348
Ion Ratio Lower Upper
56 100
55 56.0 61.2 91.8

Manual Integrations
APPROVED

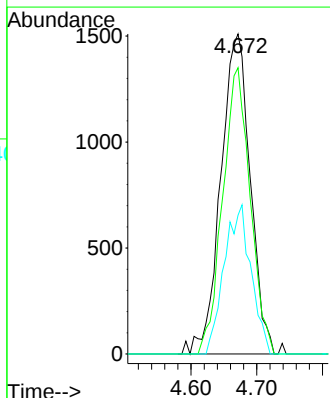
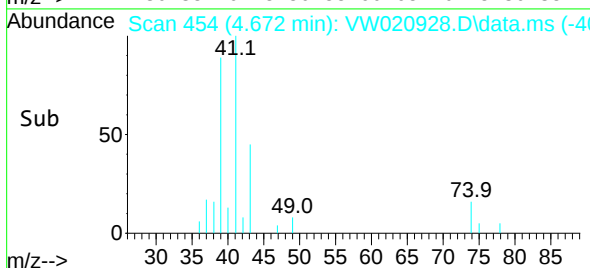
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

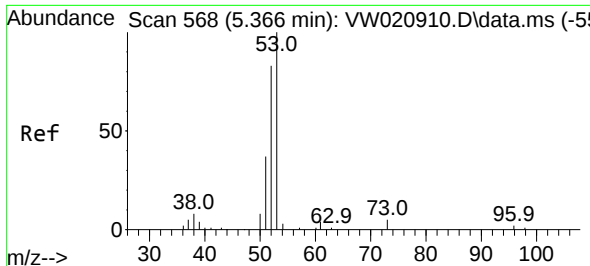


#14
Allyl chloride
Concen: 4.869 ug/l
RT: 4.672 min Scan# 454
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20



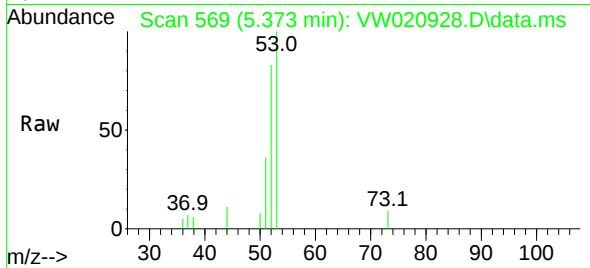
Tgt Ion: 41 Resp: 4710
Ion Ratio Lower Upper
41 100
39 83.4 63.4 95.2
76 42.3 32.2 48.4





#15
Acrylonitrile
Concen: 22.487 ug/l
RT: 5.373 min Scan# 50
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

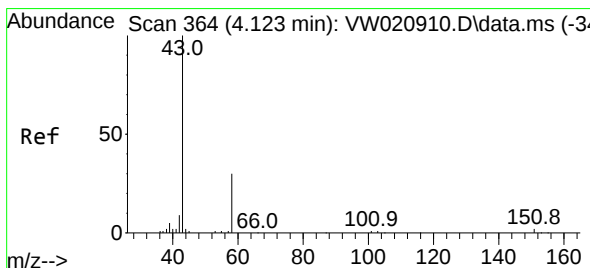
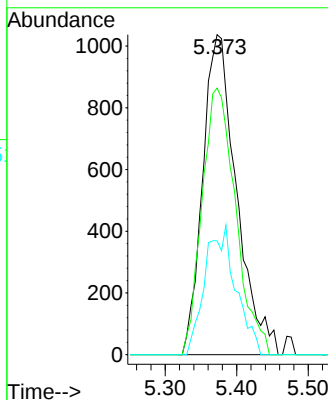
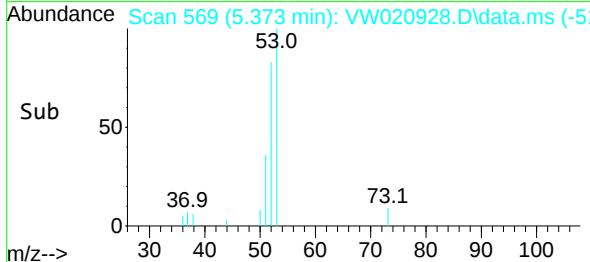
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 53 Resp: 3400
Ion Ratio Lower Upper
53 100
52 82.8 65.9 98.9
51 36.9 29.8 44.6

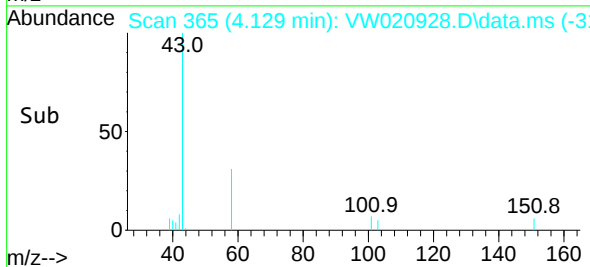
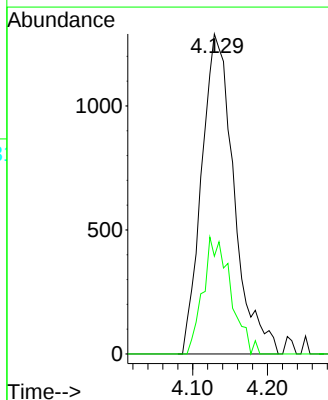
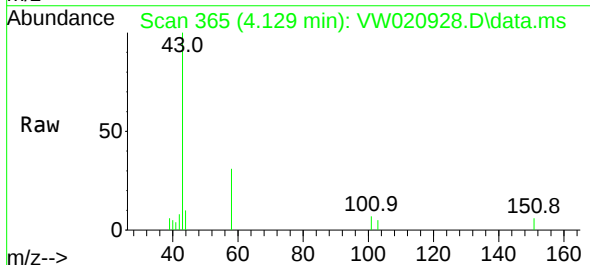
Manual Integrations
APPROVED

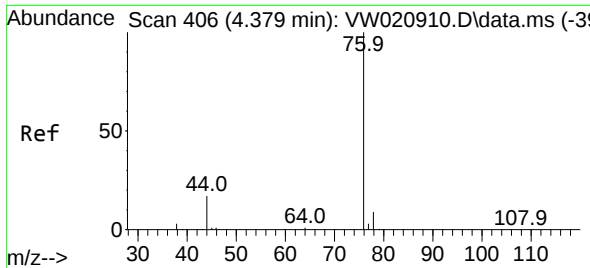
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#16
Acetone
Concen: 25.409 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion: 43 Resp: 3879
Ion Ratio Lower Upper
43 100
58 30.5 24.2 36.2





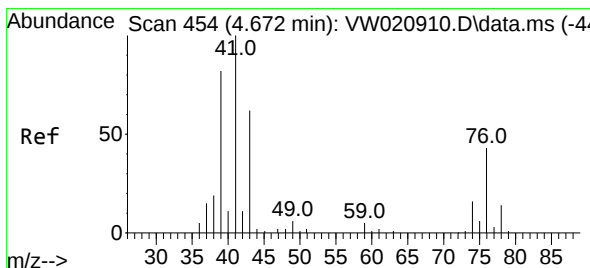
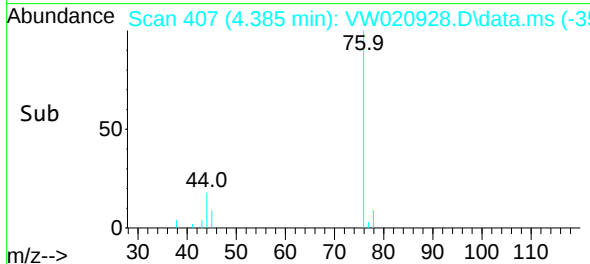
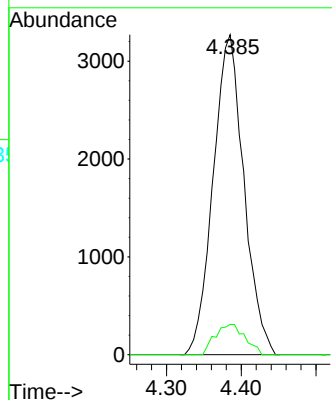
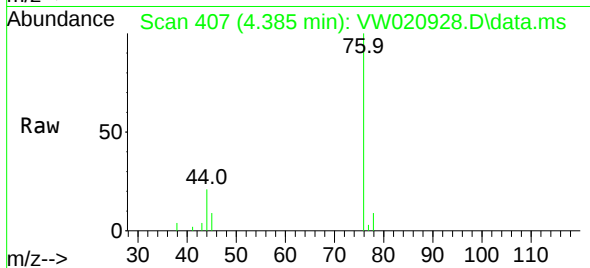
#17
Carbon Disulfide
Concen: 5.043 ug/l
RT: 4.385 min Scan# 406
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion: 76 Resp: 9338
Ion Ratio Lower Upper
76 100
78 9.4 7.3 10.9

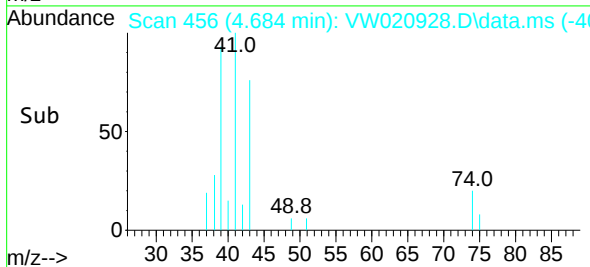
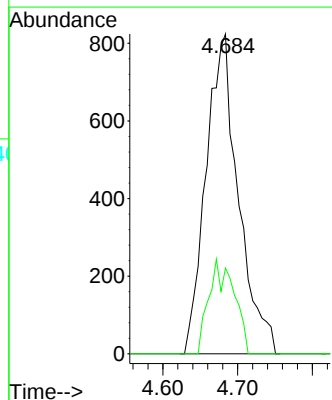
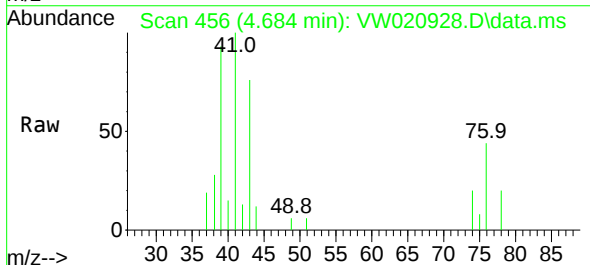
Manual Integrations
APPROVED

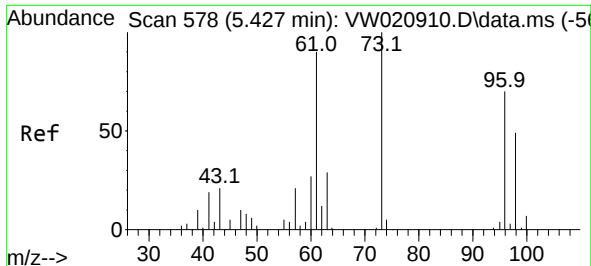
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#18
Methyl Acetate
Concen: 4.648 ug/l
RT: 4.684 min Scan# 456
Delta R.T. 0.012 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
74 23.2 19.7 29.5





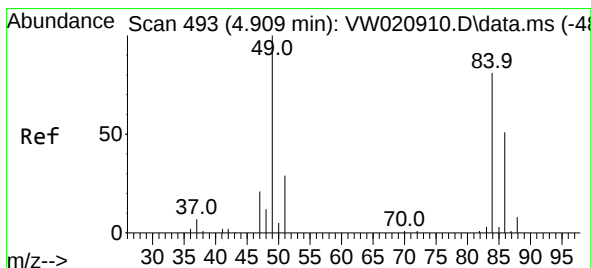
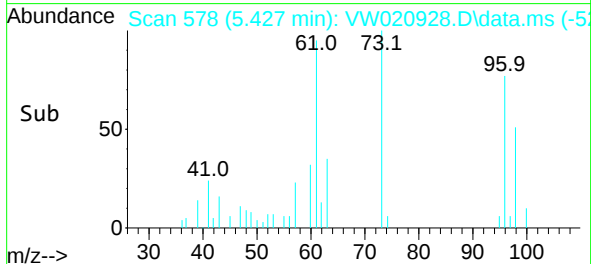
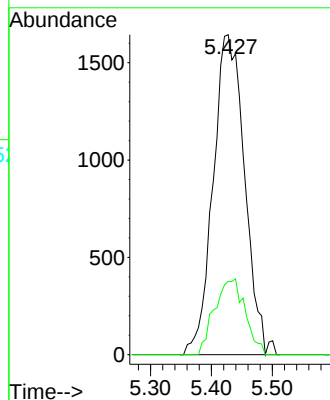
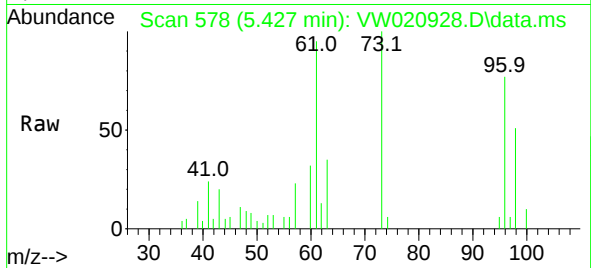
#19
Methyl tert-butyl Ether
Concen: 5.083 ug/l
RT: 5.427 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion: 73 Resp: 590
Ion Ratio Lower Upper
73 100
57 22.9 17.0 25.6

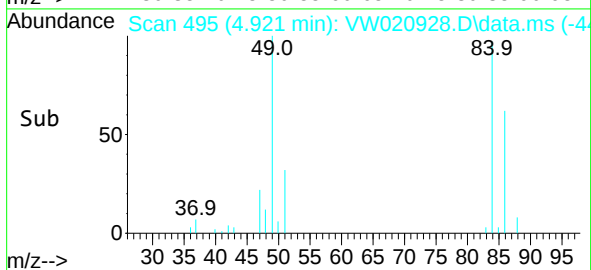
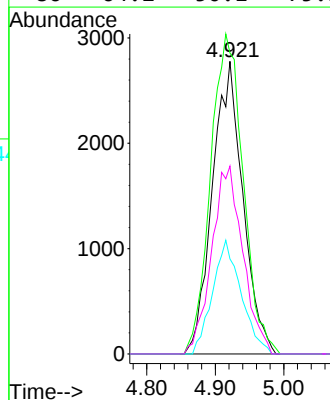
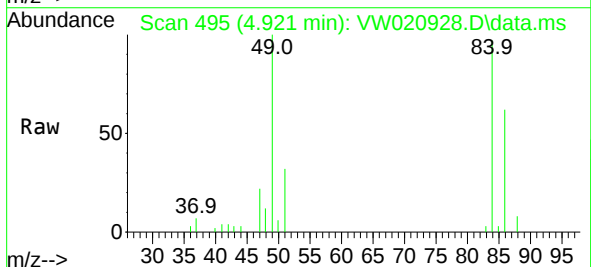
Manual Integrations
APPROVED

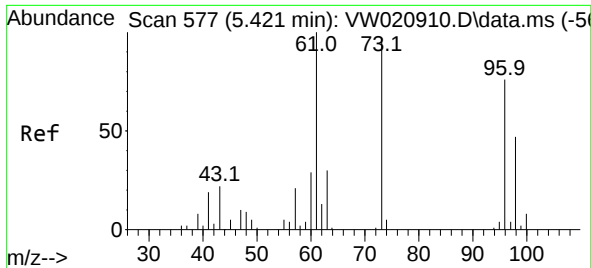
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#20
Methylene Chloride
Concen: 10.050 ug/l
RT: 4.921 min Scan# 495
Delta R.T. 0.012 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

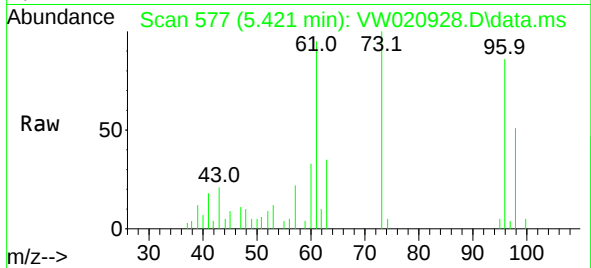
Tgt Ion: 84 Resp: 8570
Ion Ratio Lower Upper
84 100
49 102.9 99.1 148.7
51 32.5 28.8 43.2
86 64.2 50.1 75.1





#21
trans-1,2-Dichloroethene
Concen: 5.210 ug/l
RT: 5.421 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

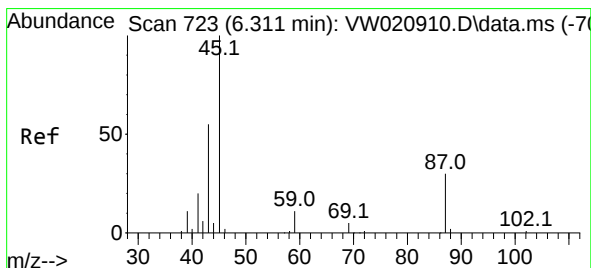
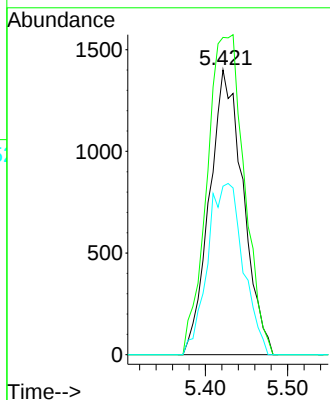
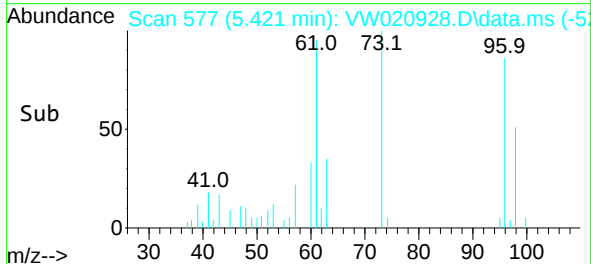
Instrument : MSVOA_W
ClientSampleId : LOQ-SOIL-02-QT4-2021



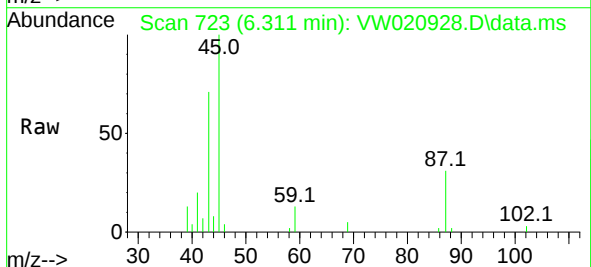
Tgt Ion: 96 Resp: 3990
Ion Ratio Lower Upper
96 100
61 111.4 105.7 158.5
98 59.2 49.7 74.5

Manual Integrations
APPROVED

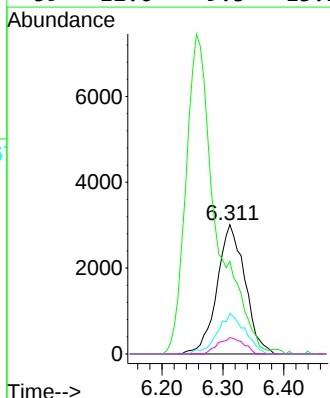
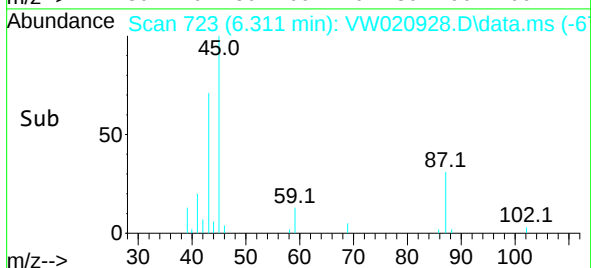
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

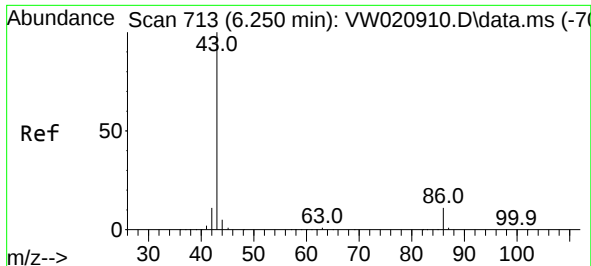


#22
Diisopropyl ether
Concen: 4.832 ug/l
RT: 6.311 min Scan# 723
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20



Tgt Ion: 45 Resp: 9592
Ion Ratio Lower Upper
45 100
43 68.0 46.2 69.4
87 31.3 25.0 37.6
59 12.6 9.3 13.9





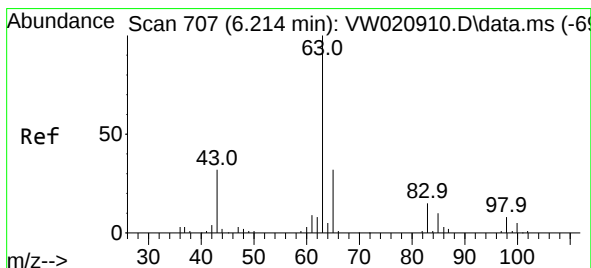
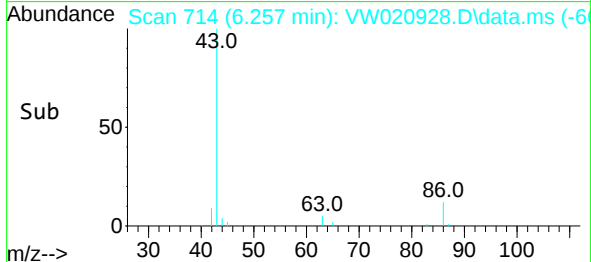
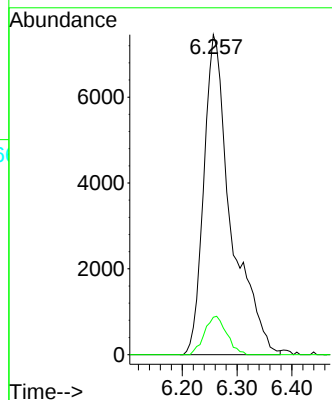
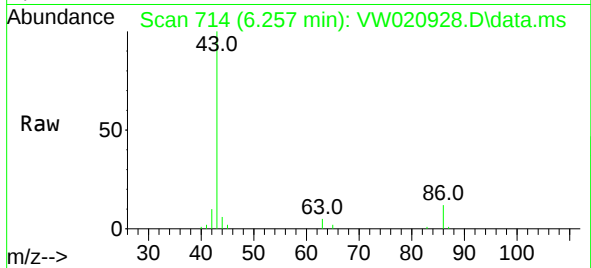
#23
Vinyl Acetate
Concen: 22.157 ug/l
RT: 6.257 min Scan# 714
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion: 43 Resp: 25730
Ion Ratio Lower Upper
43 100
86 11.7 9.2 13.8

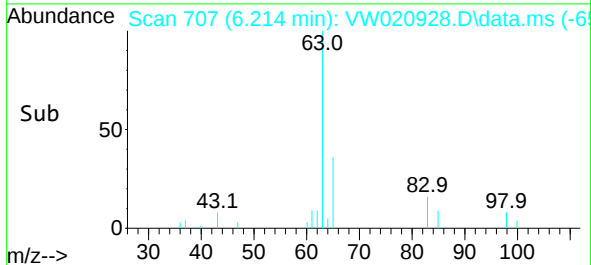
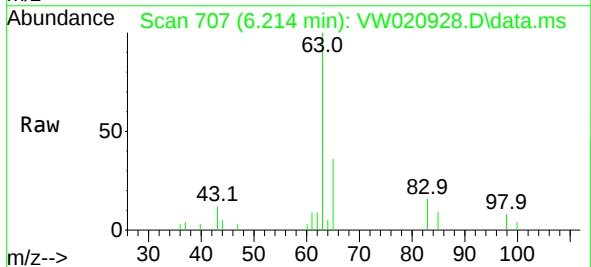
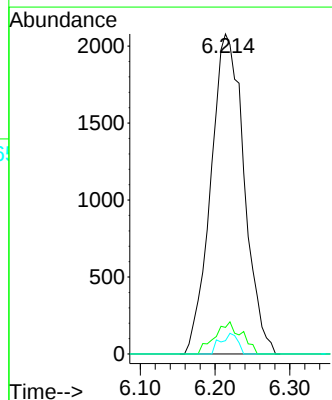
Manual Integrations
APPROVED

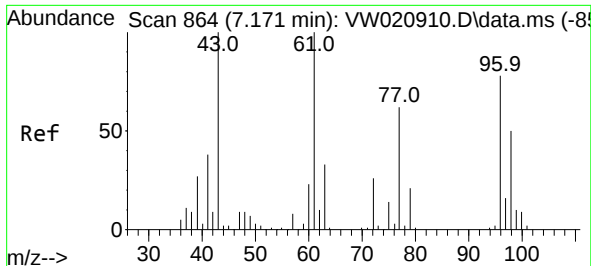
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#24
1,1-Dichloroethane
Concen: 5.099 ug/l
RT: 6.214 min Scan# 707
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

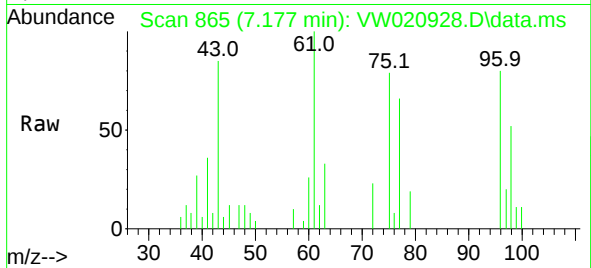
Tgt Ion: 63 Resp: 6439
Ion Ratio Lower Upper
63 100
98 8.3 4.0 12.2
100 4.2 2.6 8.0





#25
2-Butanone
Concen: 22.604 ug/l
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

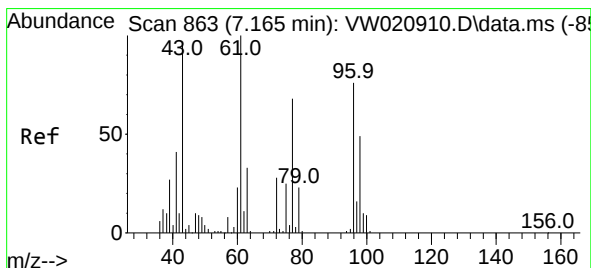
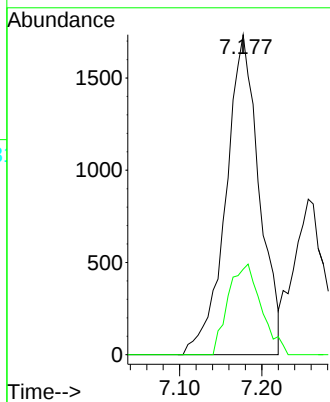
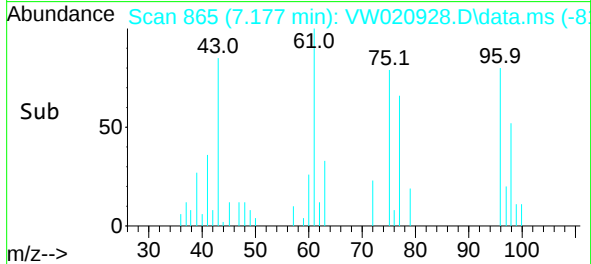
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 43 Resp: 490
Ion Ratio Lower Upper
43 100
72 26.7 20.7 31.1

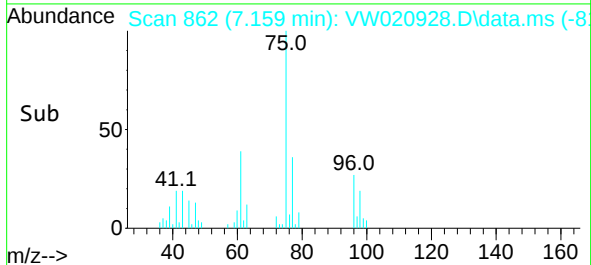
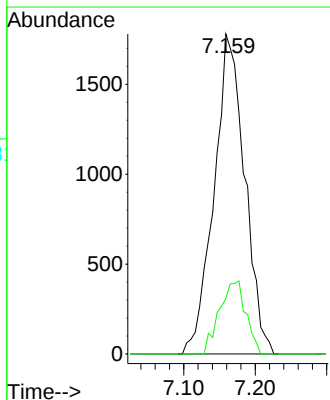
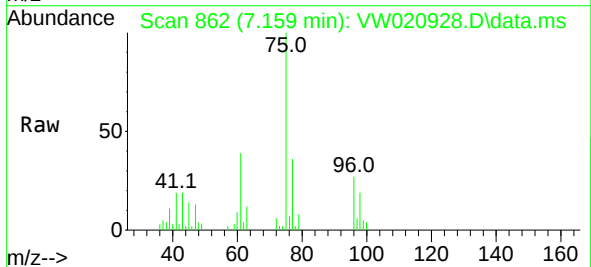
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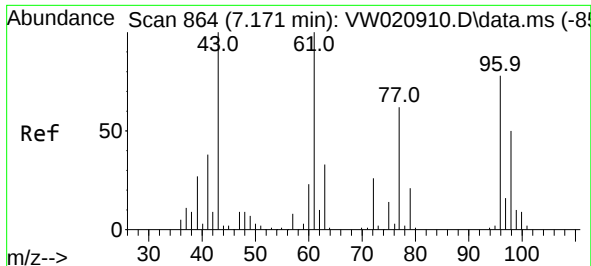
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#26
2,2-Dichloropropane
Concen: 5.911 ug/l
RT: 7.159 min Scan# 862
Delta R.T. -0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion: 77 Resp: 5297
Ion Ratio Lower Upper
77 100
97 19.6 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 5.262 ug/l

RT: 7.171 min Scan# 864

Delta R.T. 0.000 min

Lab File: VW020928.D

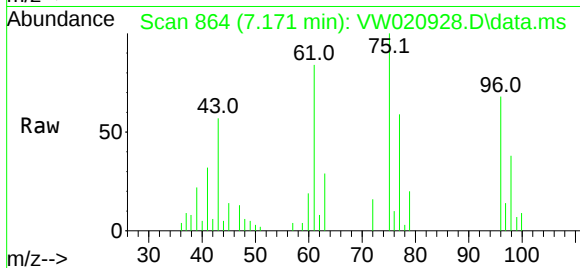
Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

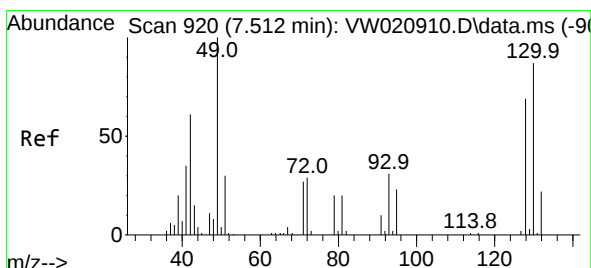
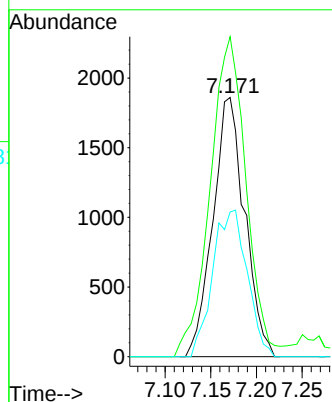


Tgt Ion: 96	Resp: 4509
Ion Ratio	Lower Upper
96	100
61	138.8 0.0 266.6
98	61.1 0.0 129.4

Manual Integrations

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Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#28

Bromochloromethane

Concen: 5.120 ug/l

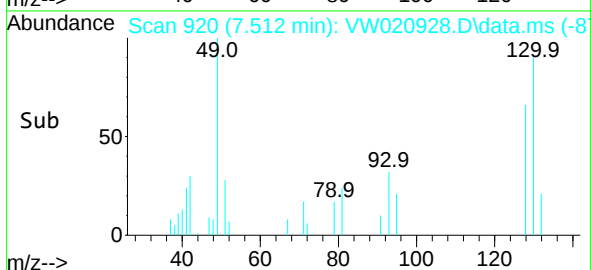
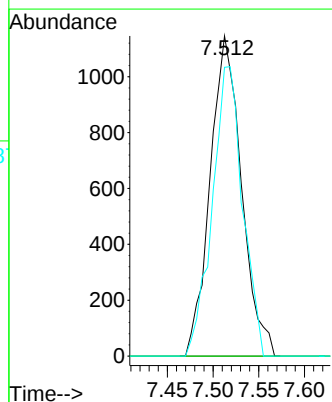
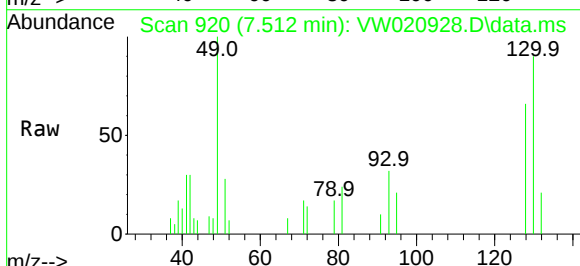
RT: 7.512 min Scan# 920

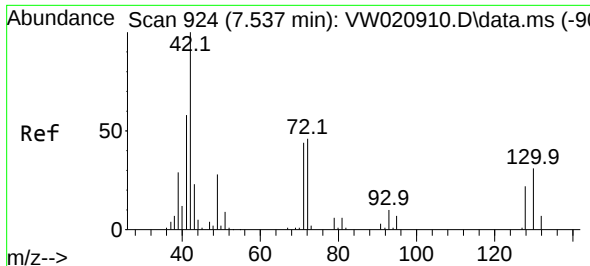
Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Tgt Ion: 49	Resp: 2736
Ion Ratio	Lower Upper
49	100
129	0.0 0.0 4.4
130	87.5 70.8 106.2





#29

Tetrahydrofuran

Concen: 20.807 ug/l

RT: 7.537 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

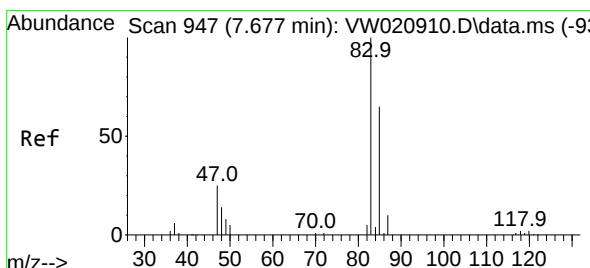
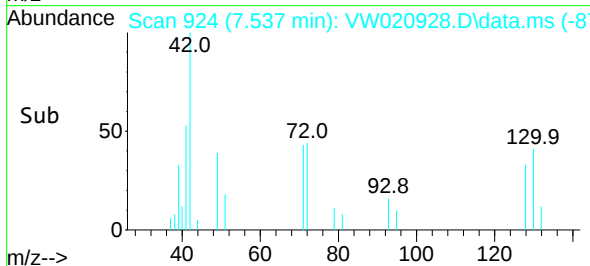
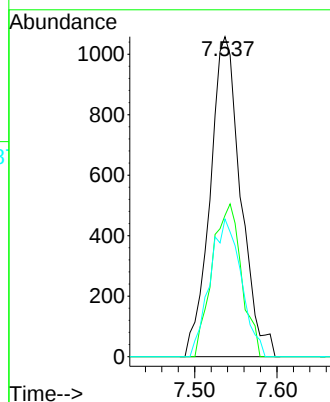
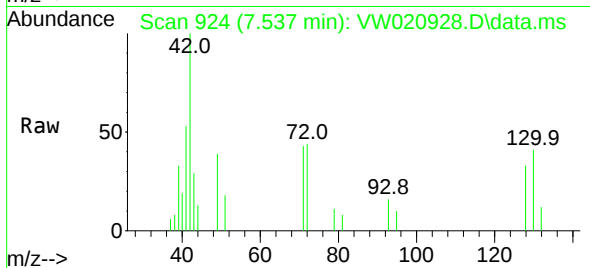
LOQ-SOIL-02-QT4-2021

Tgt Ion: 42	Resp: 2730
Ion Ratio	Lower Upper
42 100	
72 45.8	37.4 56.0
71 44.0	34.7 52.1

Manual Integrations

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Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#30

Chloroform

Concen: 5.178 ug/l

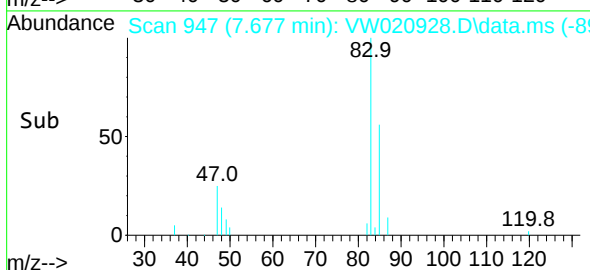
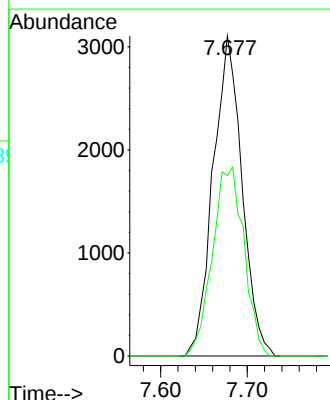
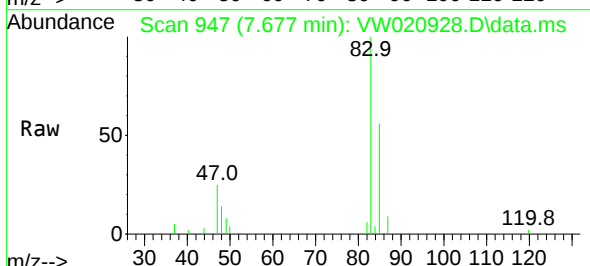
RT: 7.677 min Scan# 947

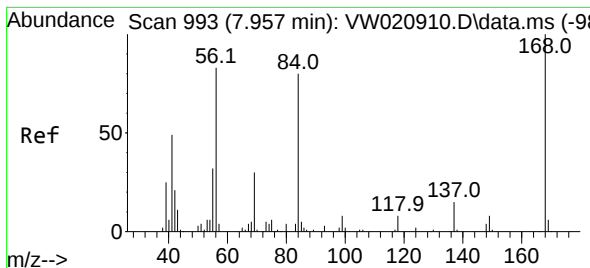
Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Tgt Ion: 83	Resp: 7194
Ion Ratio	Lower Upper
83 100	
85 56.3	51.7 77.5





#31

Cyclohexane

Concen: 6.159 ug/l

RT: 7.951 min Scan# 993

Delta R.T. -0.006 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

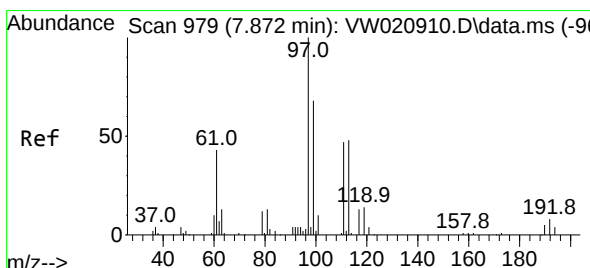
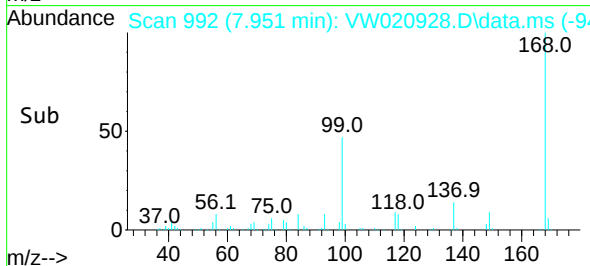
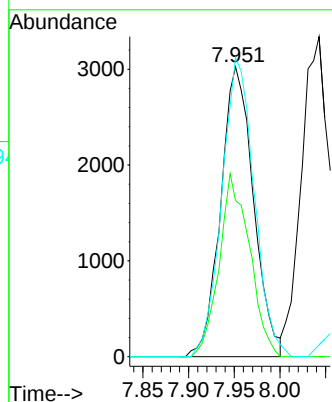
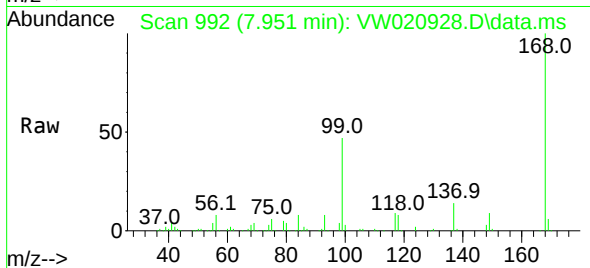
Tgt Ion: 56 Resp: 7540

Ion	Ratio	Lower	Upper
56	100		
69	53.8	28.7	43.1
84	103.1	77.6	116.4

Manual Integrations

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Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#32

1,1,1-Trichloroethane

Concen: 5.014 ug/l

RT: 7.872 min Scan# 979

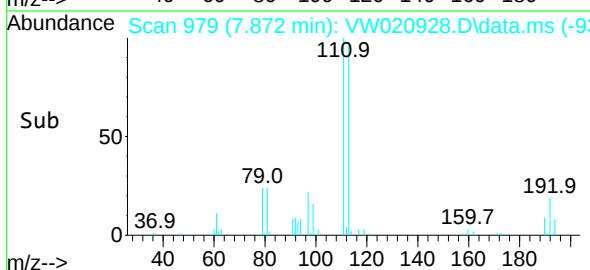
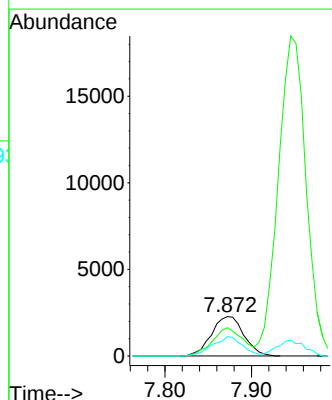
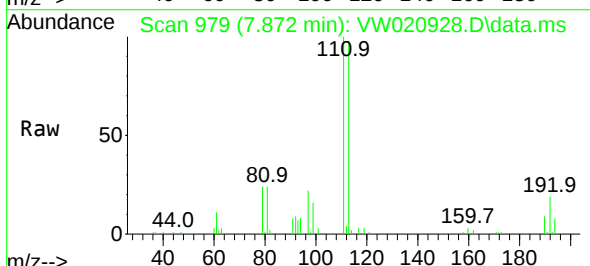
Delta R.T. 0.000 min

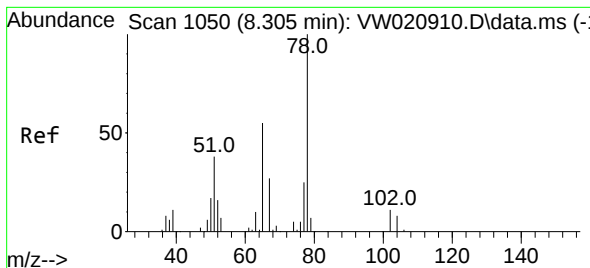
Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Tgt Ion: 97 Resp: 5882

Ion	Ratio	Lower	Upper
97	100		
99	67.8	52.0	78.0
61	45.2	34.2	51.2





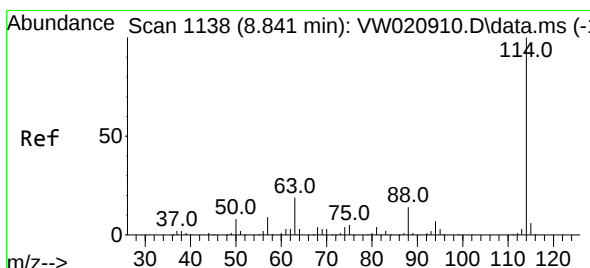
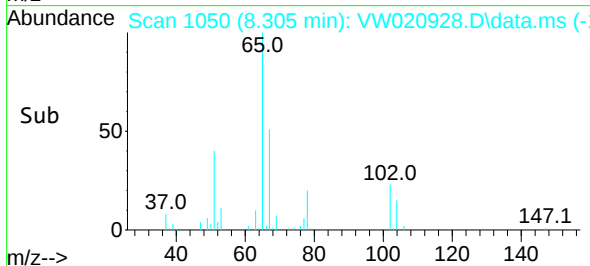
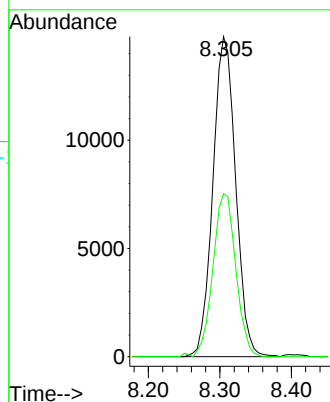
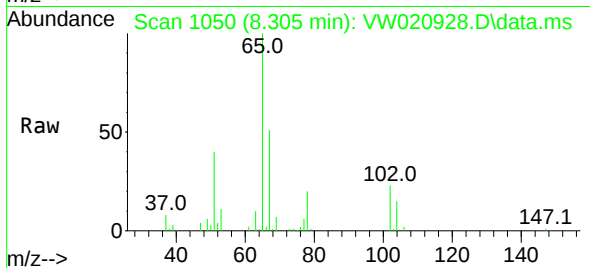
#33
1,2-Dichloroethane-d4
Concen: 44.450 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion: 65 Resp: 3264
Ion Ratio Lower Upper
65 100
67 51.4 0.0 100.2

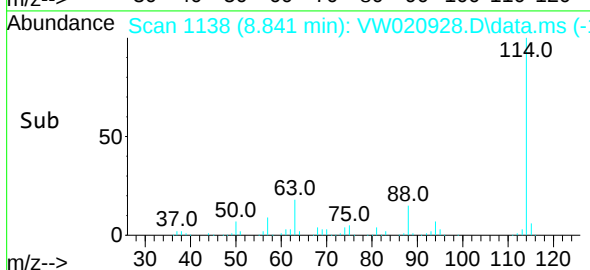
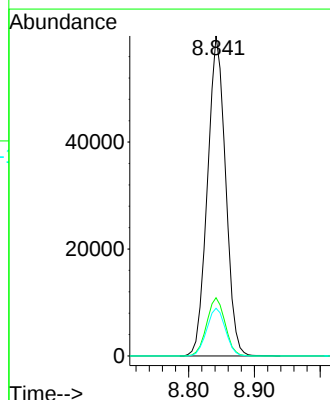
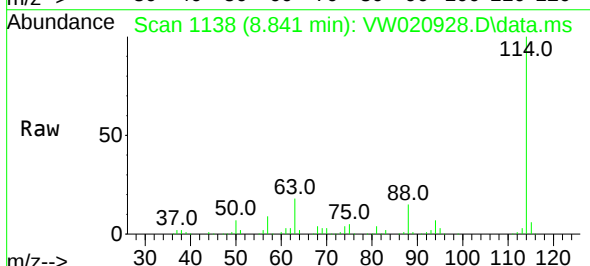
Manual Integrations
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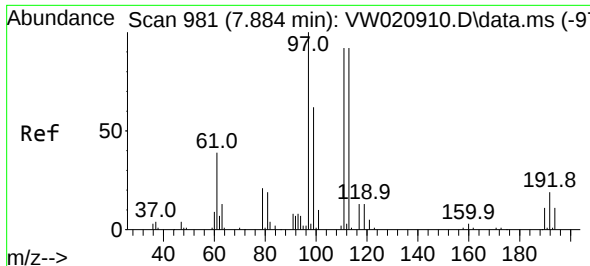
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.841 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

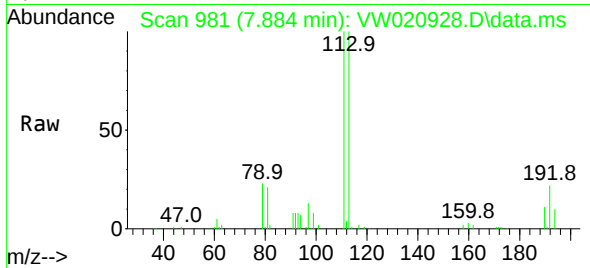
Tgt Ion:114 Resp: 114698
Ion Ratio Lower Upper
114 100
63 18.2 0.0 37.2
88 14.9 0.0 28.8





#35
Dibromofluoromethane
Concen: 46.864 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

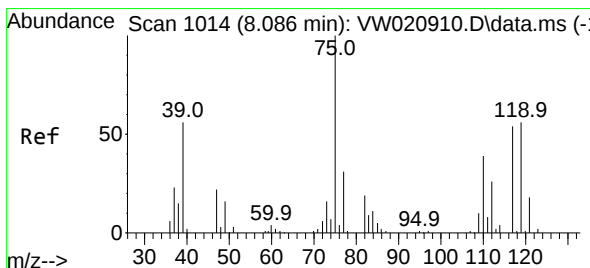
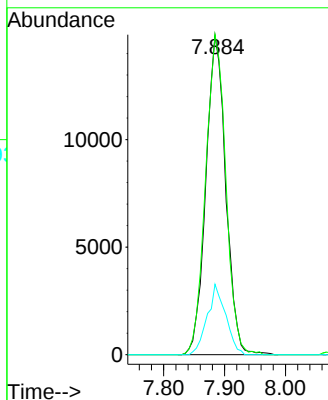
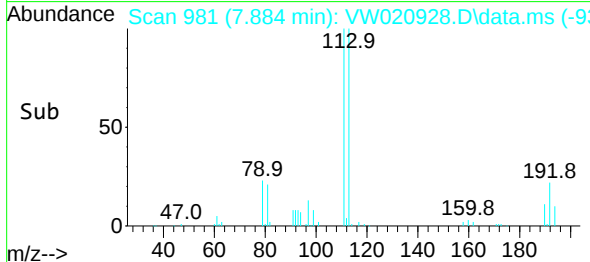
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



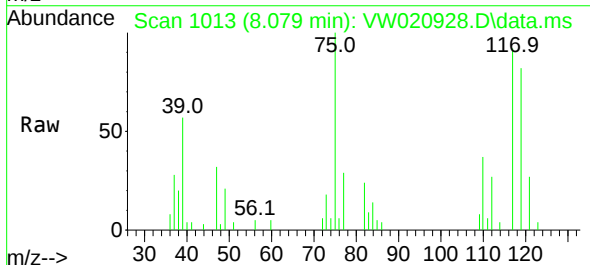
Tgt Ion: 113 Resp: 33710
Ion Ratio Lower Upper
113 100
111 102.0 81.2 121.8
192 20.4 16.8 25.2

Manual Integrations
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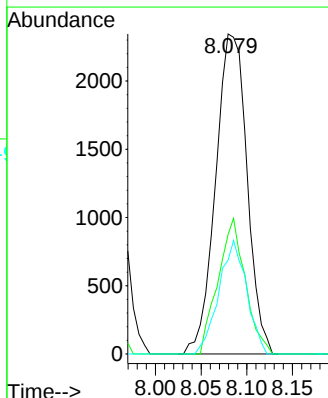
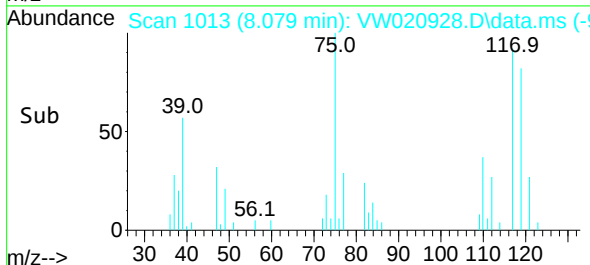
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

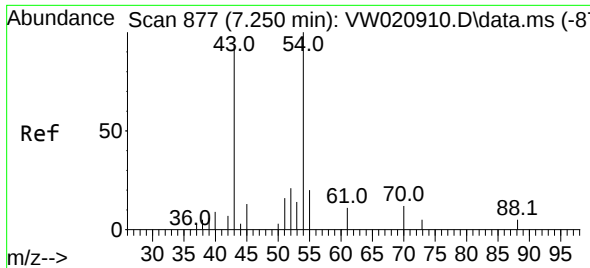


#36
1,1-Dichloropropene
Concen: 5.444 ug/l
RT: 8.079 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20



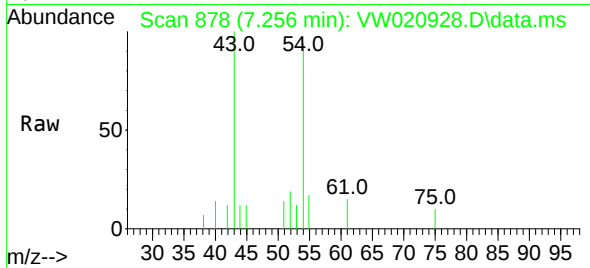
Tgt Ion: 75 Resp: 5609
Ion Ratio Lower Upper
75 100
110 36.8 19.1 57.5
77 31.3 24.8 37.2





#37
Ethyl Acetate
Concen: 4.538 ug/l
RT: 7.256 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

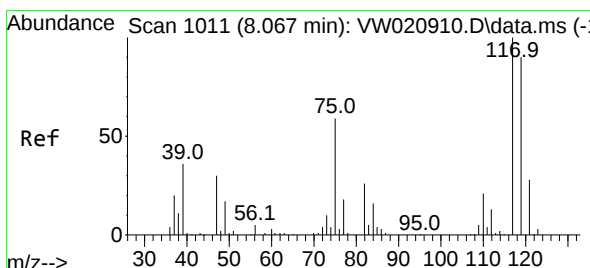
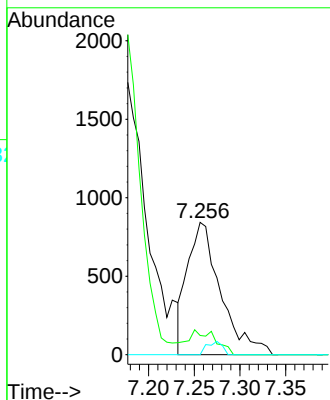
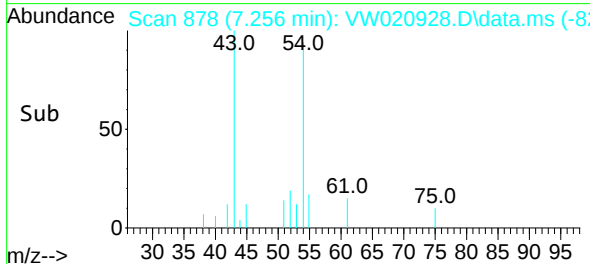
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
61 15.5 11.3 16.9
70 0.0 9.2 13.8

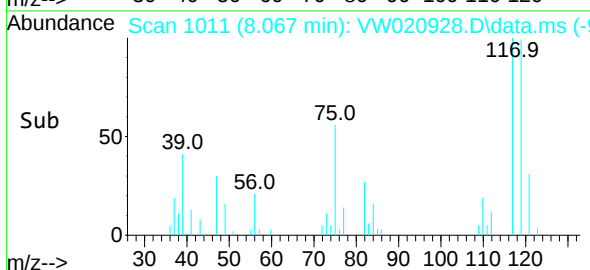
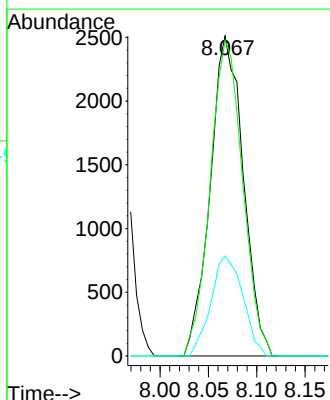
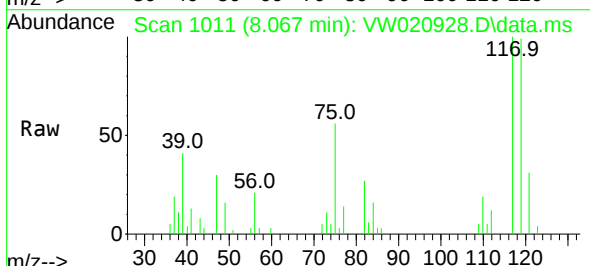
Manual Integrations
APPROVED

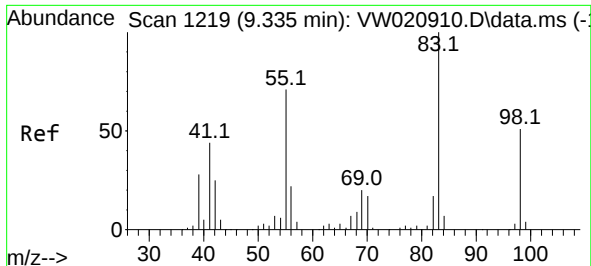
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#38
Carbon Tetrachloride
Concen: 5.442 ug/l
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion:117 Resp: 5965
Ion Ratio Lower Upper
117 100
119 98.6 72.0 108.0
121 31.3 22.6 33.8





#39

Methylcyclohexane

Concen: 5.425 ug/l

RT: 9.335 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

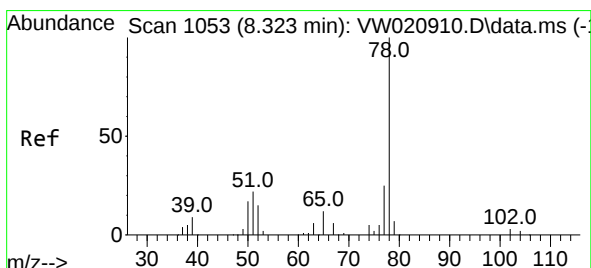
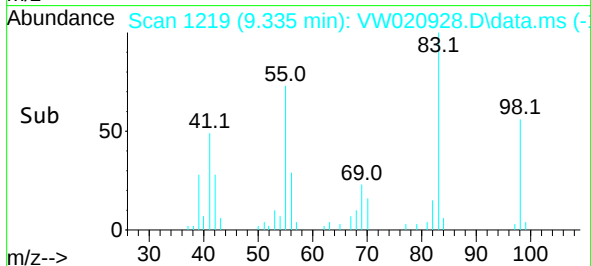
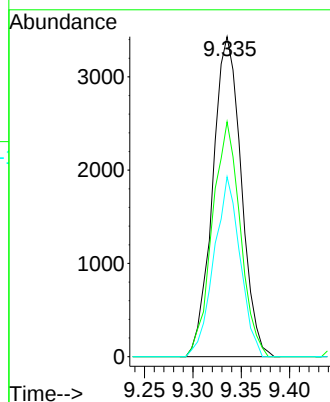
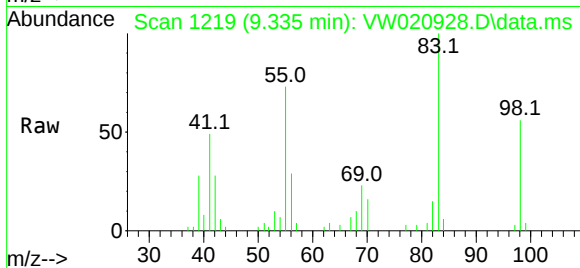
LOQ-SOIL-02-QT4-2021

Tgt Ion: 83	Resp: 7019
Ion Ratio	Lower Upper
83	100
55	73.4 56.6 85.0
98	56.2 41.0 61.4

Manual Integrations

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Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#40

Benzene

Concen: 5.490 ug/l

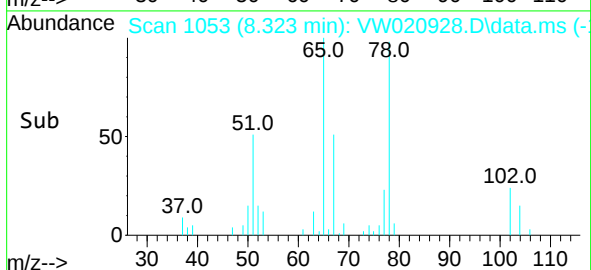
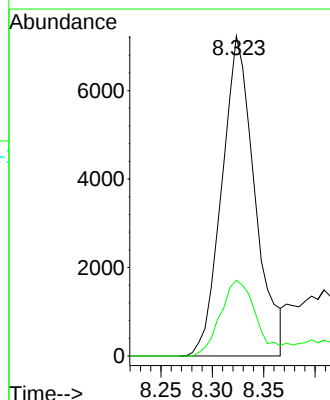
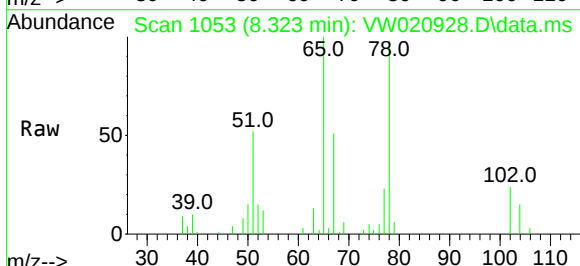
RT: 8.323 min Scan# 1053

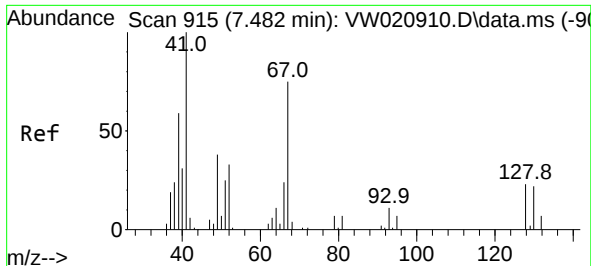
Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

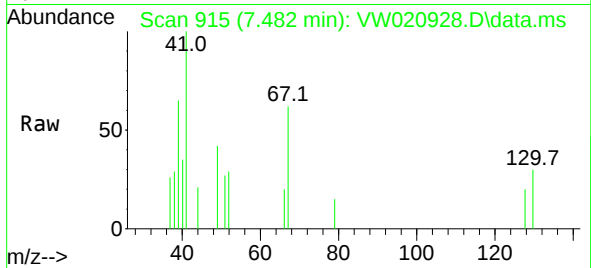
Tgt Ion: 78	Resp: 16128
Ion Ratio	Lower Upper
78	100
77	23.6 20.0 30.0





#41
Methacrylonitrile
Concen: 4.405 ug/l
RT: 7.482 min Scan# 915
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

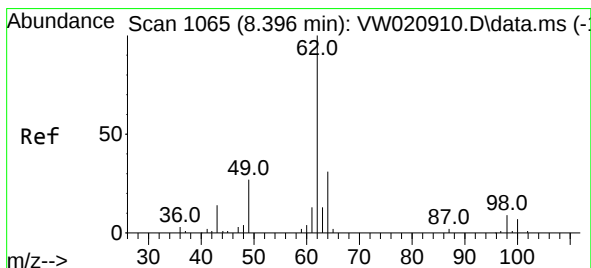
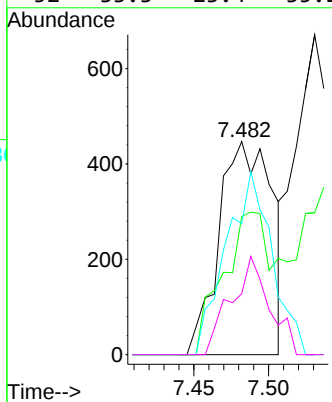
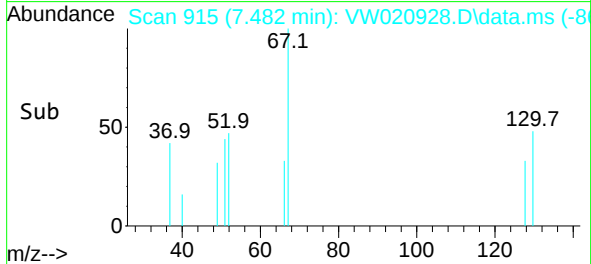
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 41 Resp: 1104
Ion Ratio Lower Upper
41 100
39 68.2 42.9 64.3
67 74.0 56.2 84.4
52 33.3 23.4 35.2

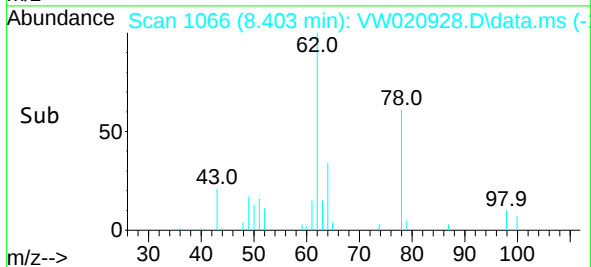
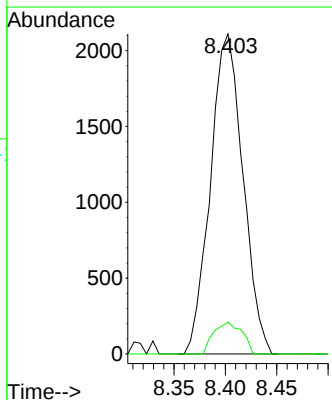
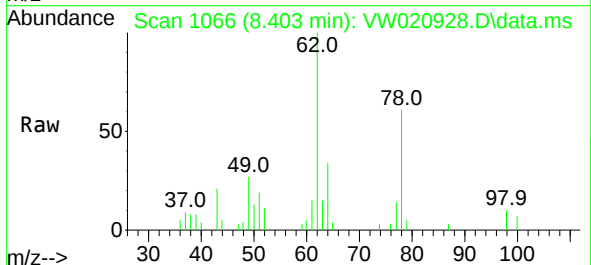
Manual Integrations
APPROVED

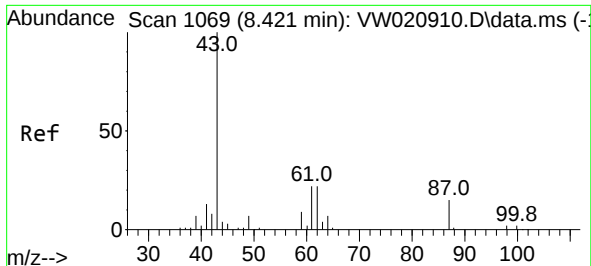
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#42
1,2-Dichloroethane
Concen: 5.214 ug/l
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

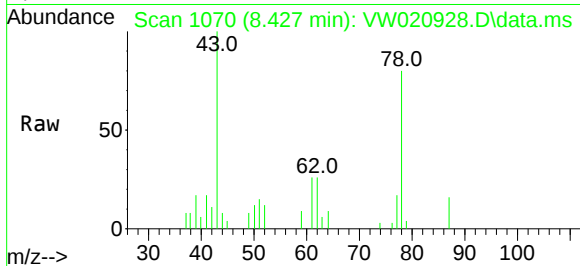
Tgt Ion: 62 Resp: 4647
Ion Ratio Lower Upper
62 100
98 8.7 0.0 19.0





#43
Isopropyl Acetate
Concen: 4.479 ug/l
RT: 8.427 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

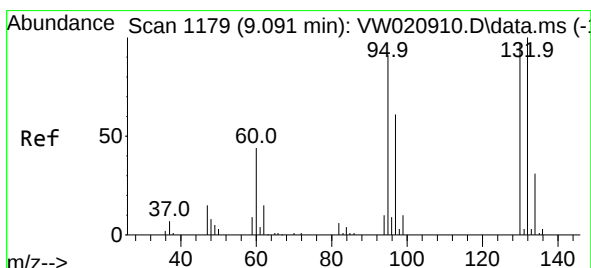
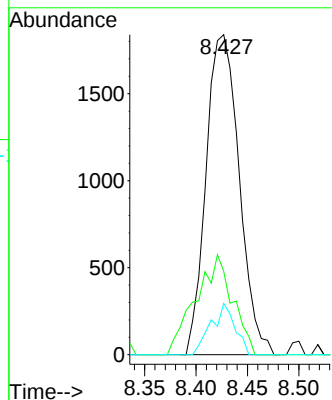
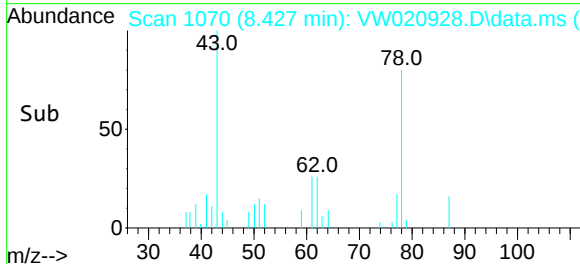
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 43 Resp: 413
Ion Ratio Lower Upper
43 100
61 34.8 23.7 35.5
87 11.5 11.5 17.3

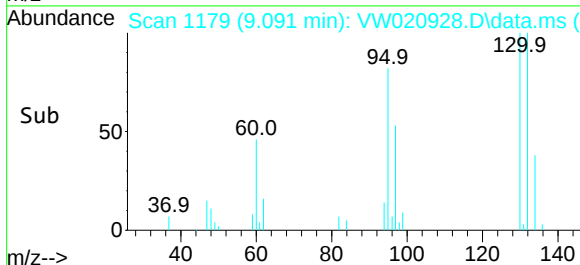
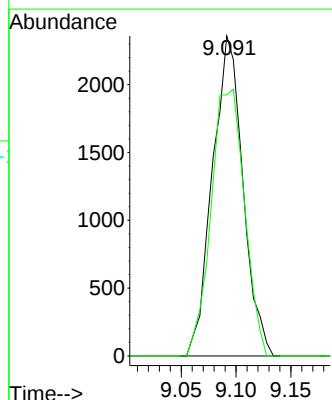
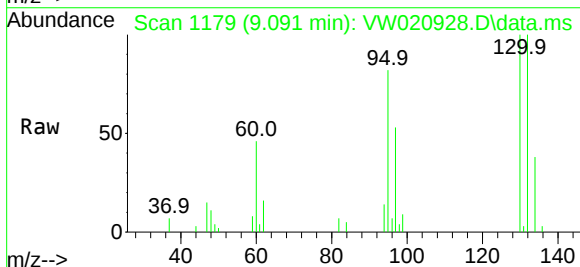
Manual Integrations
APPROVED

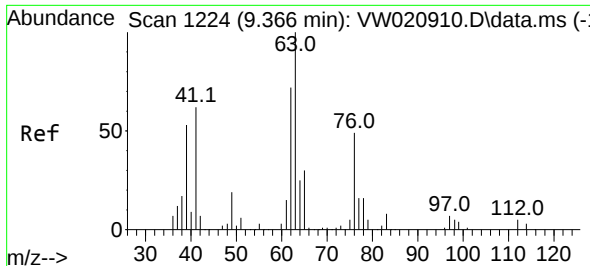
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#44
Trichloroethene
Concen: 5.323 ug/l
RT: 9.091 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

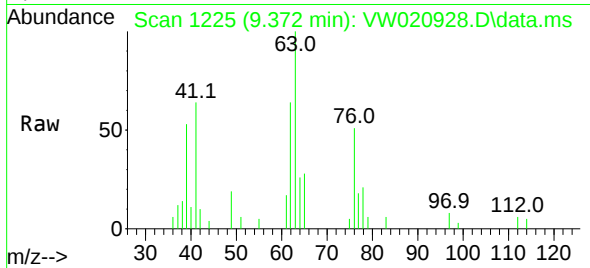
Tgt Ion:130 Resp: 4563
Ion Ratio Lower Upper
130 100
95 81.6 0.0 186.6





#45
1,2-Dichloropropane
Concen: 5.021 ug/l
RT: 9.372 min Scan# 1225
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

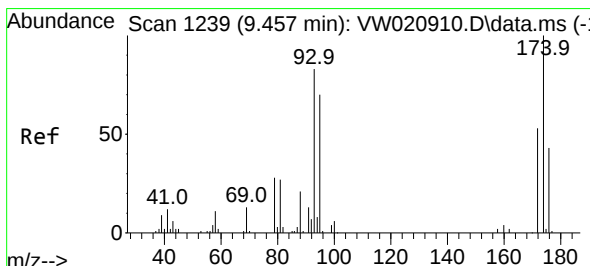
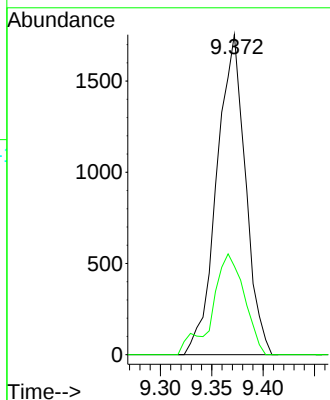
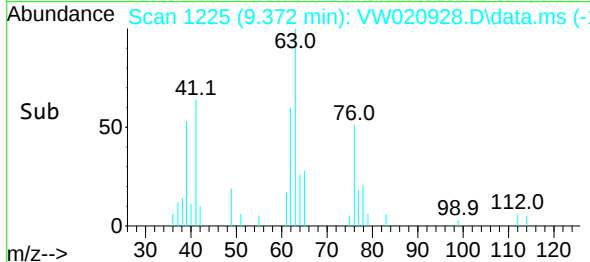
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 63 Resp: 339
Ion Ratio Lower Upper
63 100
65 27.7 23.8 35.6

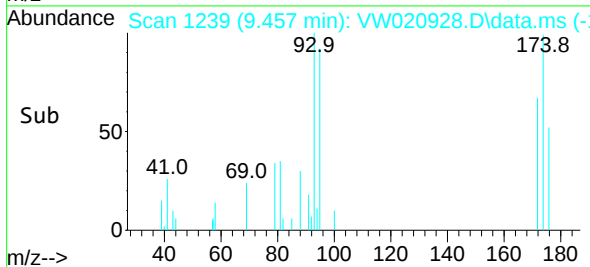
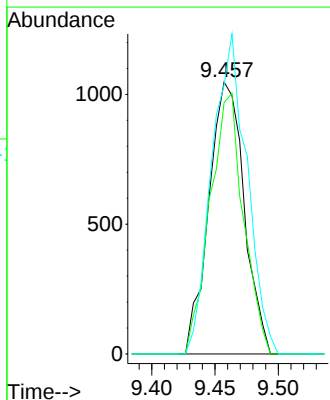
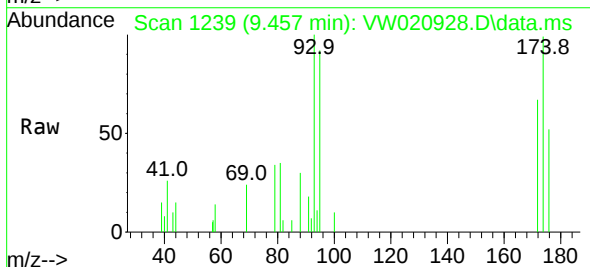
Manual Integrations
APPROVED

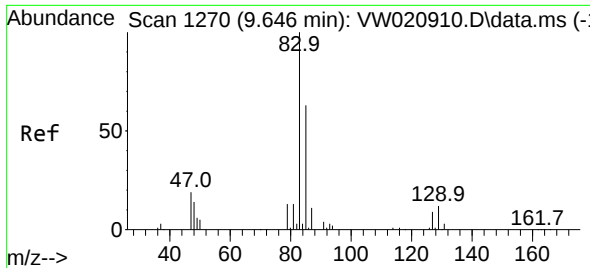
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#46
Dibromomethane
Concen: 4.743 ug/l
RT: 9.457 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

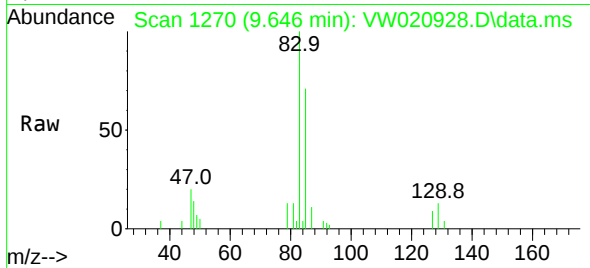
Tgt Ion: 93 Resp: 2033
Ion Ratio Lower Upper
93 100
95 91.0 66.6 100.0
174 116.2 91.1 136.7





#47
Bromodichloromethane
Concen: 4.822 ug/l
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

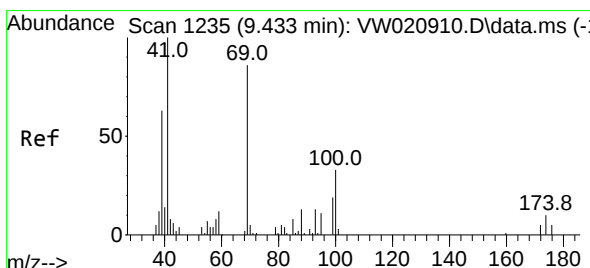
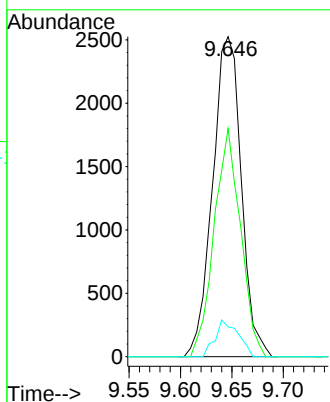
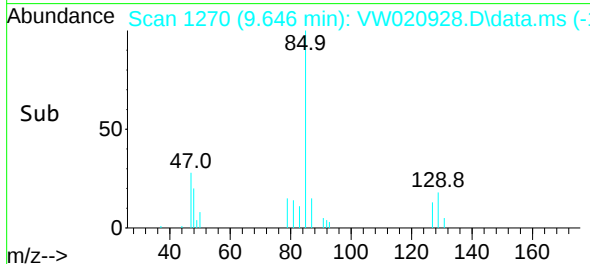
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 83 Resp: 489
Ion Ratio Lower Upper
83 100
85 71.3 50.3 75.5
127 9.3 7.1 10.7

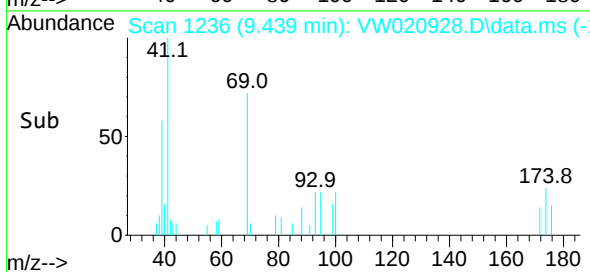
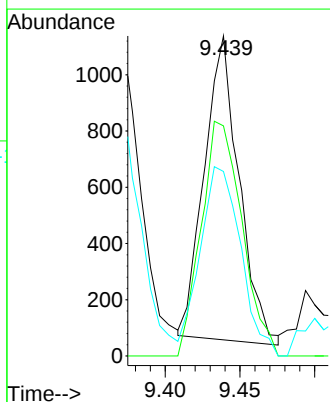
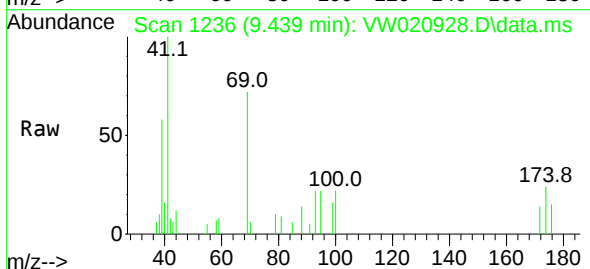
Manual Integrations
APPROVED

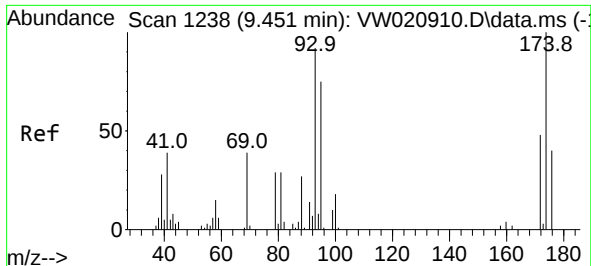
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#48
Methyl methacrylate
Concen: 4.248 ug/l
RT: 9.439 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion: 41 Resp: 1743
Ion Ratio Lower Upper
41 100
69 90.8 72.9 109.3
39 72.8 54.2 81.4





#49

1,4-Dioxane

Concen: 93.735 ug/l

RT: 9.457 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

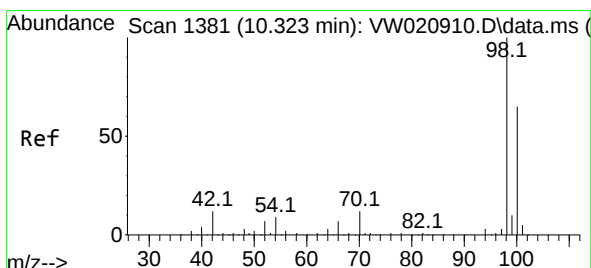
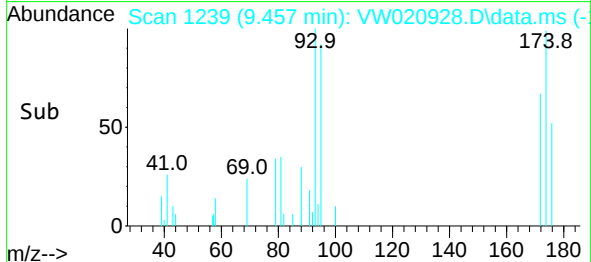
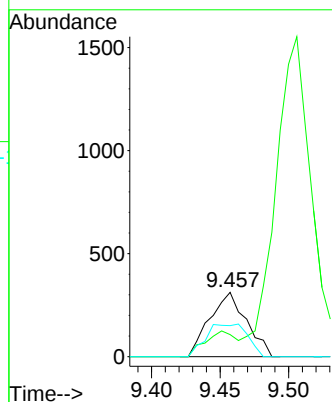
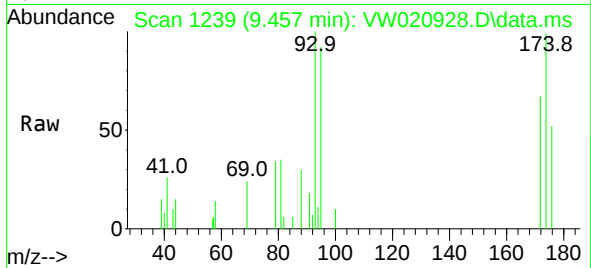
LOQ-SOIL-02-QT4-2021

Tgt Ion: 88	Resp: 579
Ion Ratio	Lower Upper
88 100	
43 33.7	26.6 39.8
58 57.2	51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#50

Toluene-d8

Concen: 46.860 ug/l

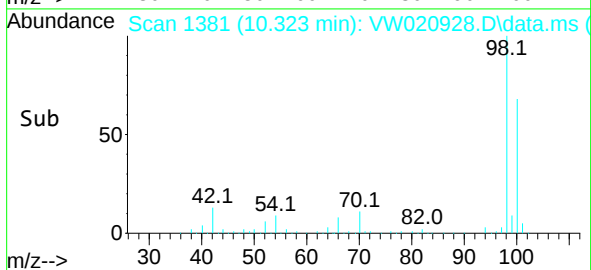
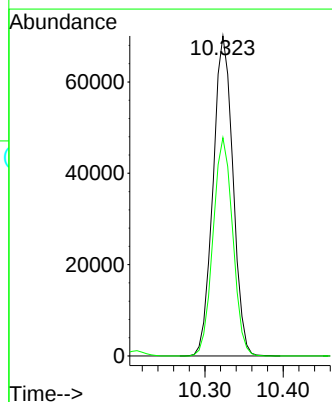
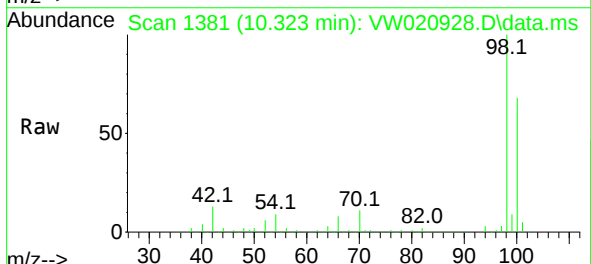
RT: 10.323 min Scan# 1381

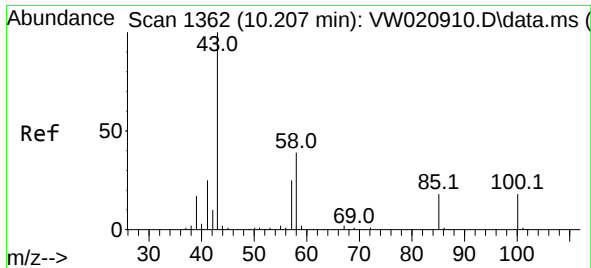
Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Tgt Ion: 98	Resp: 123648
Ion Ratio	Lower Upper
98 100	
100 67.5	52.6 79.0





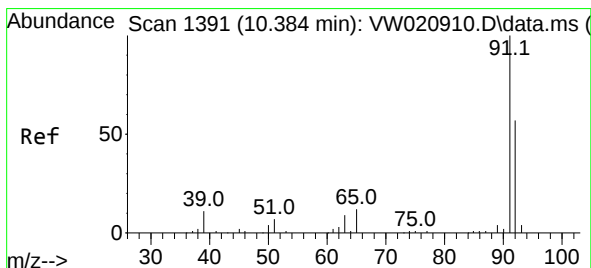
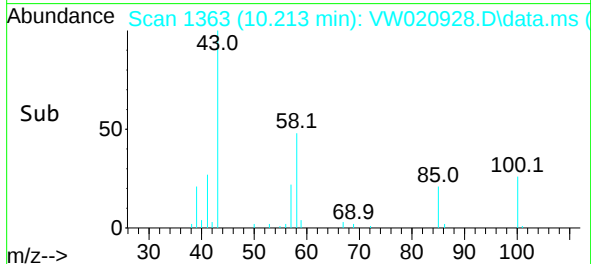
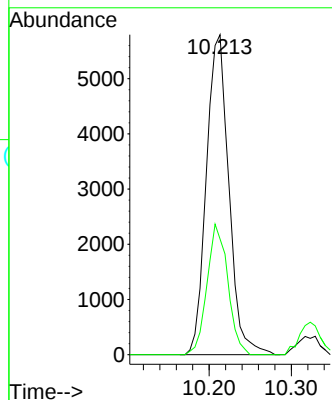
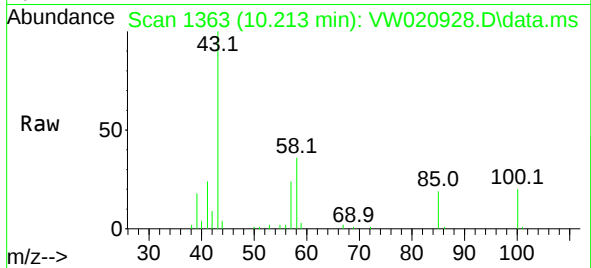
#51
4-Methyl-2-Pentanone
Concen: 23.442 ug/l
RT: 10.213 min Scan# 1100
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion: 43 Resp: 1100
Ion Ratio Lower Upper
43 100
58 37.7 30.9 46.3

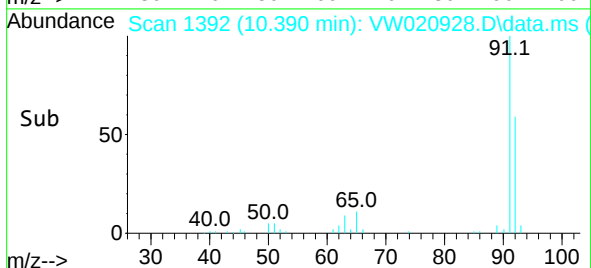
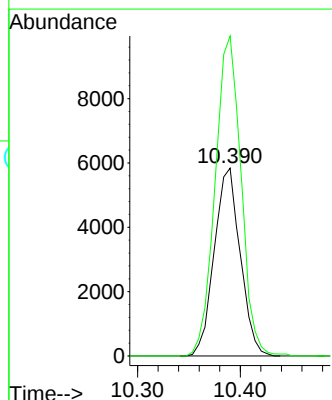
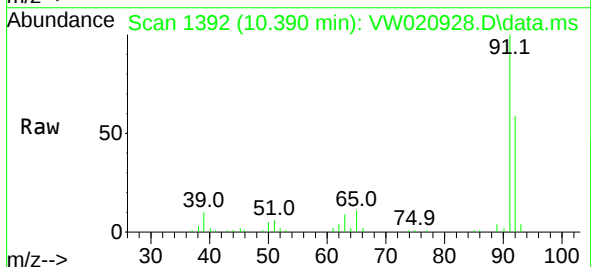
Manual Integrations
APPROVED

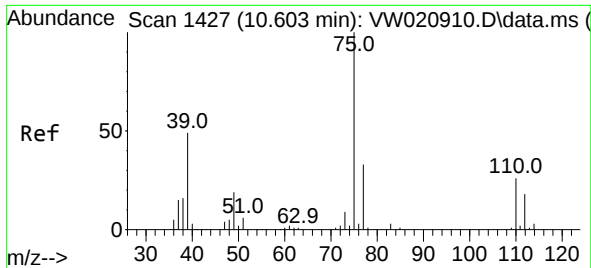
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#52
Toluene
Concen: 5.418 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

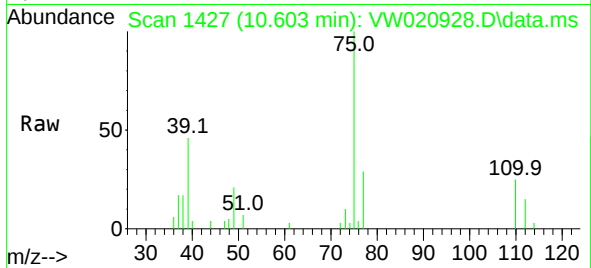
Tgt Ion: 92 Resp: 10233
Ion Ratio Lower Upper
92 100
91 170.2 137.1 205.7





#53
t-1,3-Dichloropropene
Concen: 4.392 ug/l
RT: 10.603 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

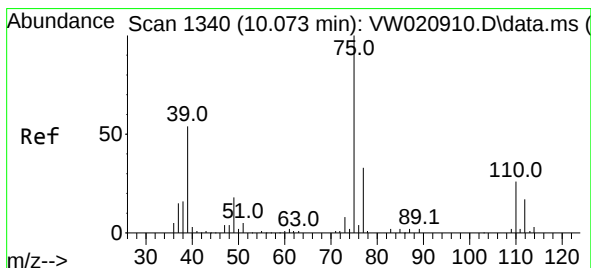
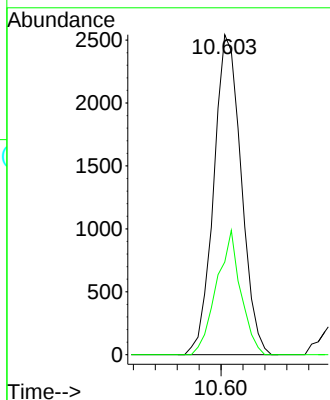
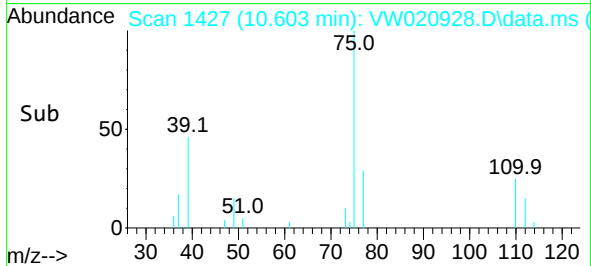
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



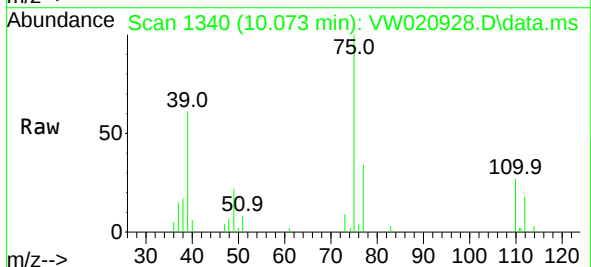
Tgt Ion: 75 Resp: 442
Ion Ratio Lower Upper
75 100
77 29.0 26.1 39.1

Manual Integrations
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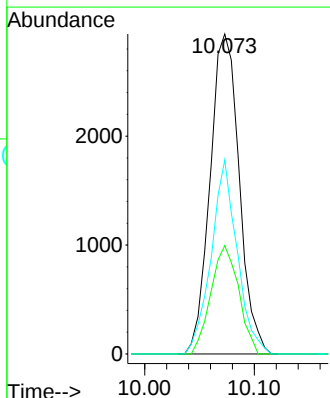
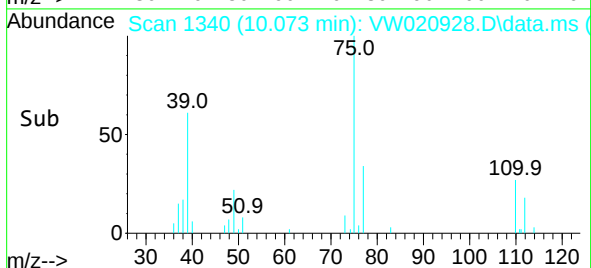
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

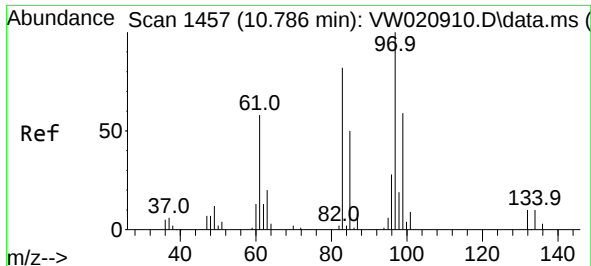


#54
cis-1,3-Dichloropropene
Concen: 4.761 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20



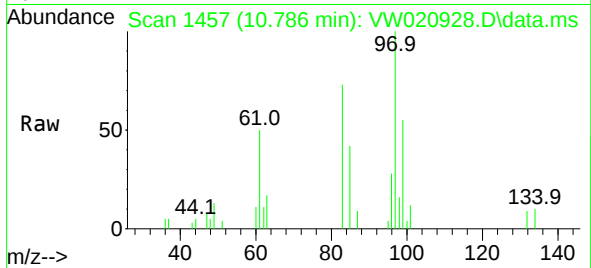
Tgt Ion: 75 Resp: 5425
Ion Ratio Lower Upper
75 100
77 33.8 26.2 39.4
39 60.7 43.0 64.6





#55
1,1,2-Trichloroethane
Concen: 5.145 ug/l
RT: 10.786 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

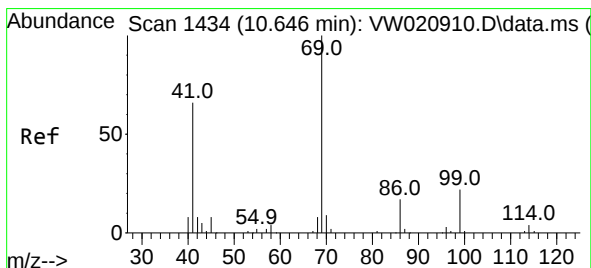
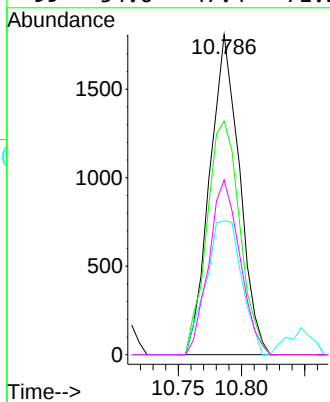
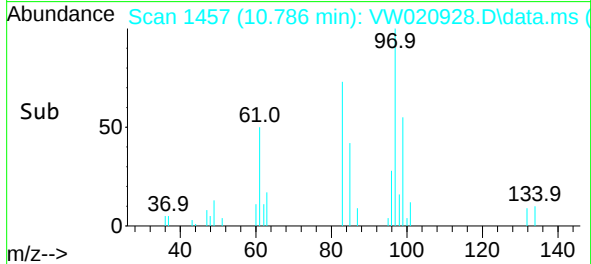
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion	Ratio	Lower	Upper
97	100		
83	73.0	65.4	98.2
85	41.8	39.9	59.9
99	54.6	47.4	71.2

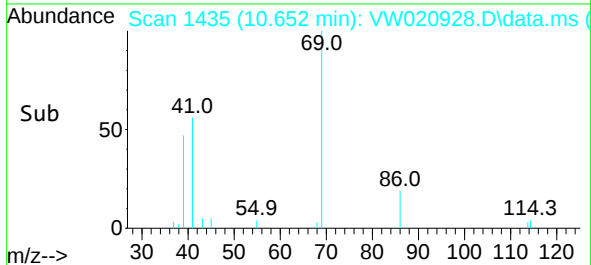
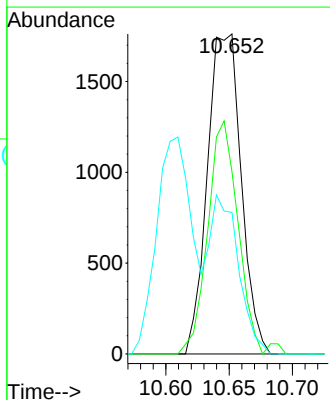
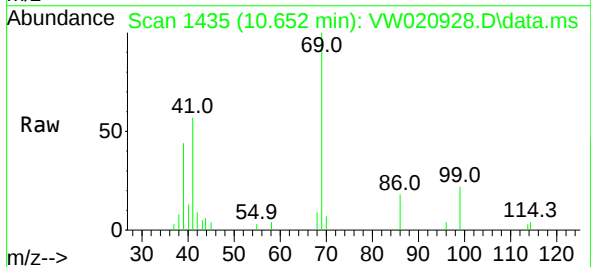
Manual Integrations
APPROVED

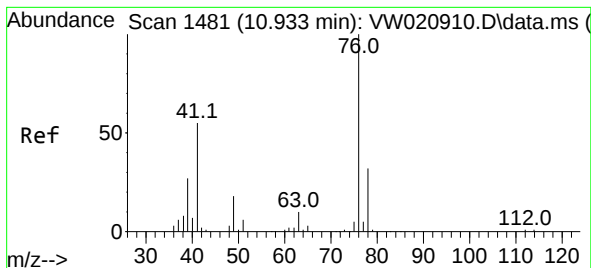
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#56
Ethyl methacrylate
Concen: 4.479 ug/l
RT: 10.652 min Scan# 1435
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

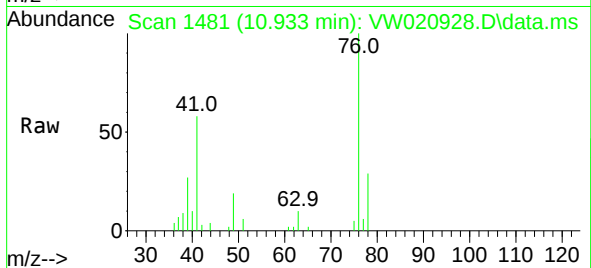
Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.8	52.9	79.3
39	43.0	33.7	50.5





#57
1,3-Dichloropropane
Concen: 4.860 ug/l
RT: 10.933 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

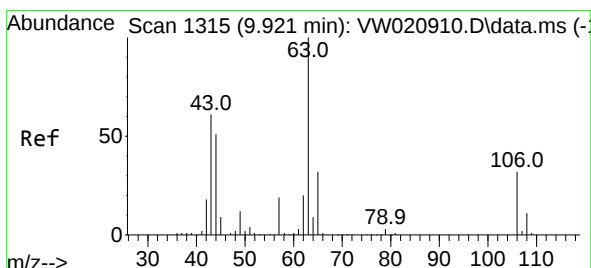
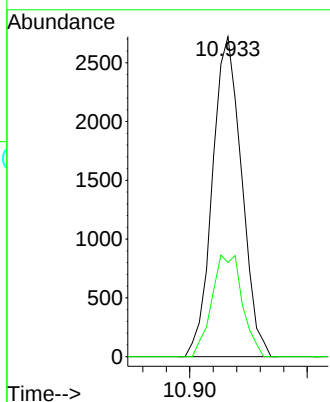
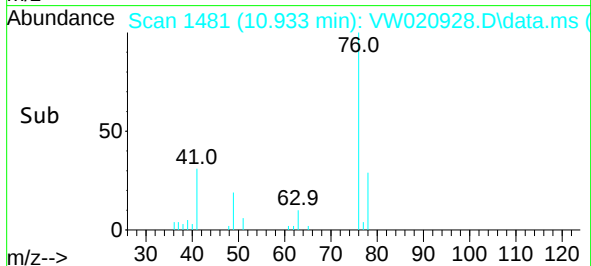
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



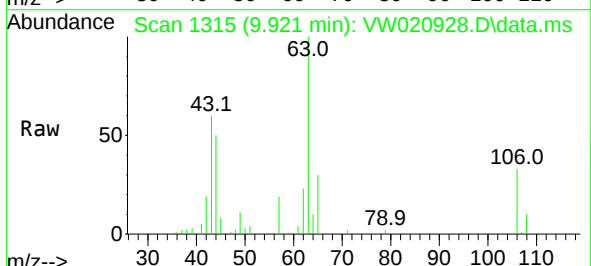
Tgt Ion: 76 Resp: 470
Ion Ratio Lower Upper
76 100
78 33.1 26.0 39.0

Manual Integrations
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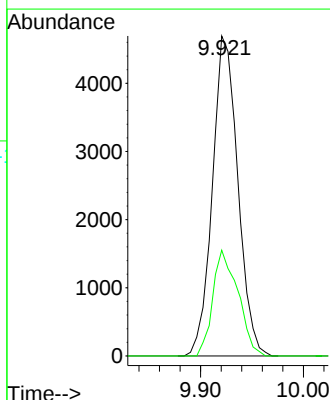
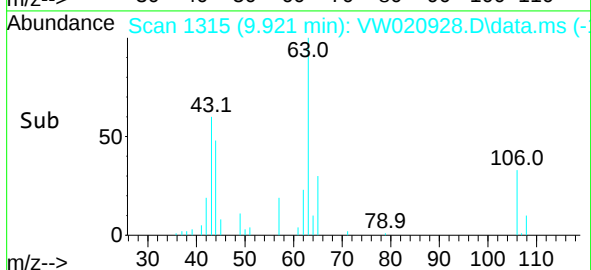
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

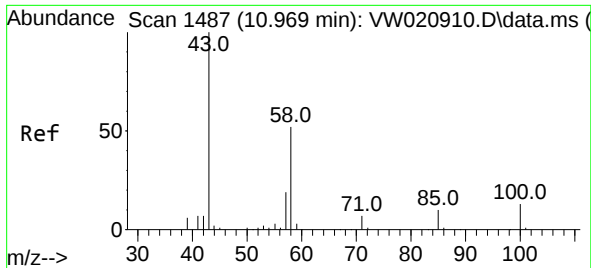


#58
2-Chloroethyl Vinyl ether
Concen: 21.914 ug/l
RT: 9.921 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20



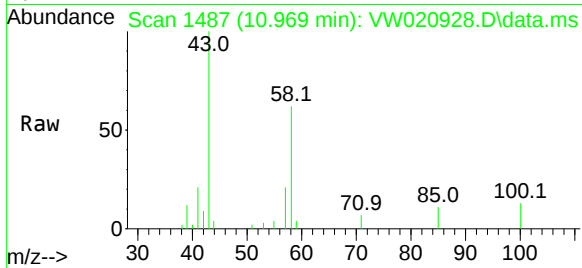
Tgt Ion: 63 Resp: 8071
Ion Ratio Lower Upper
63 100
106 32.7 26.3 39.5





#59
2-Hexanone
Concen: 20.429 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

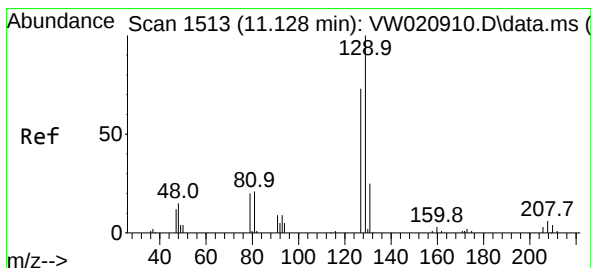
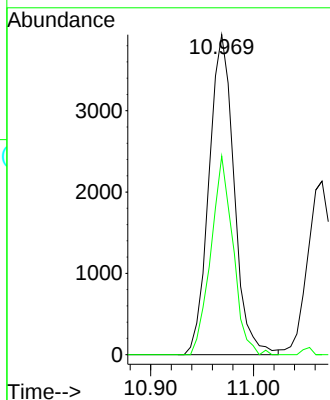
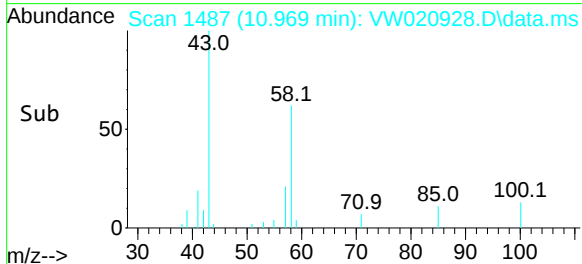
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 43 Resp: 6674
Ion Ratio Lower Upper
43 100
58 54.7 26.7 80.0

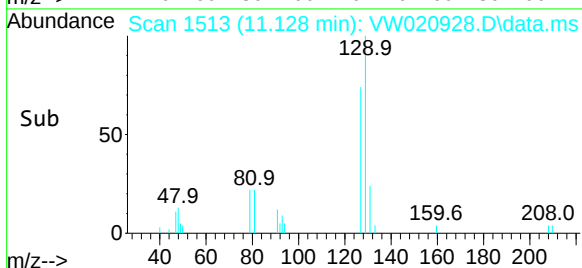
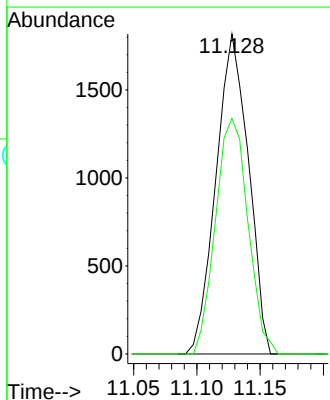
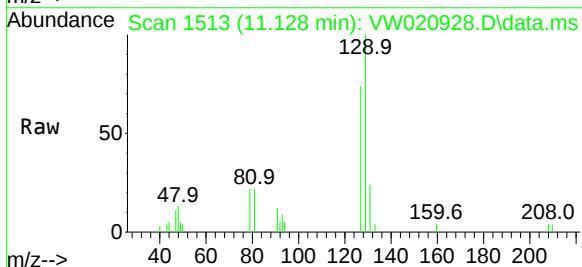
Manual Integrations
APPROVED

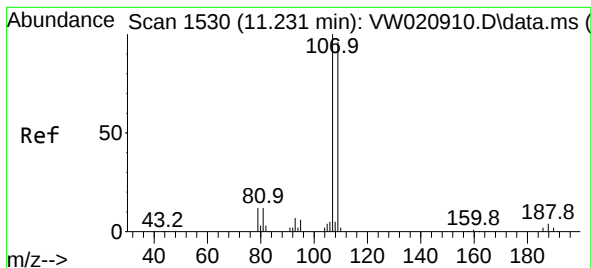
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#60
Dibromochloromethane
Concen: 4.469 ug/l
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

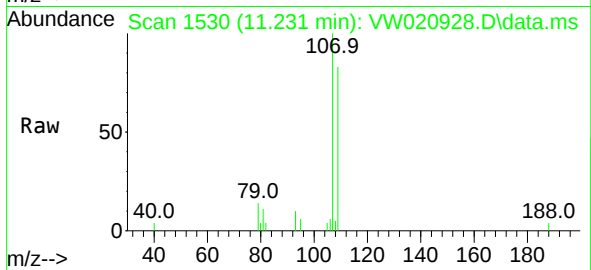
Tgt Ion:129 Resp: 3238
Ion Ratio Lower Upper
129 100
127 73.7 38.4 115.1





#61
1,2-Dibromoethane
Concen: 4.865 ug/l
RT: 11.231 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

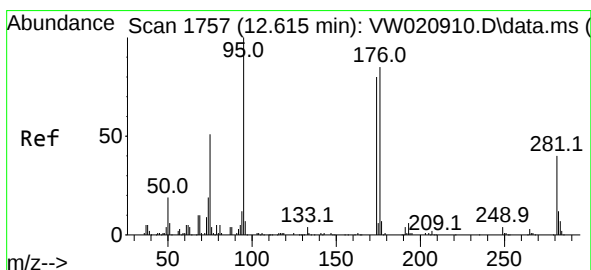
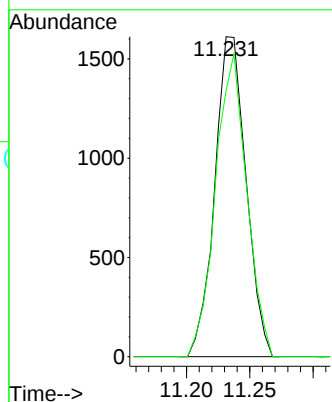
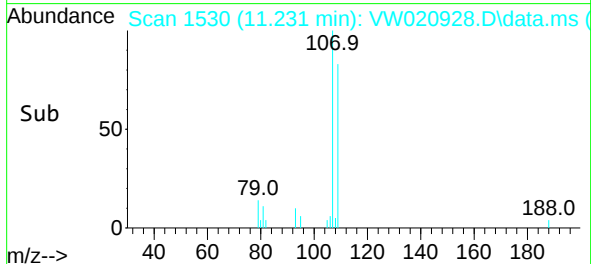
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



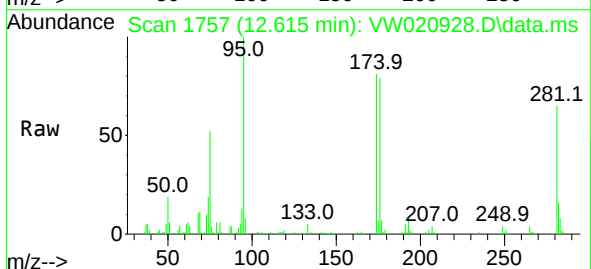
Tgt Ion:107 Resp: 2774
Ion Ratio Lower Upper
107 100
109 94.4 74.1 111.1

Manual Integrations
APPROVED

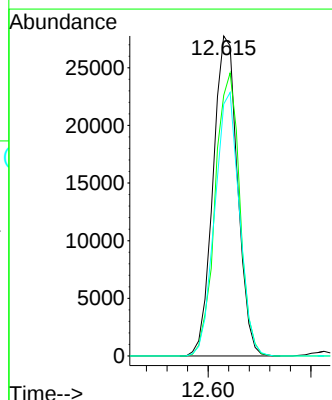
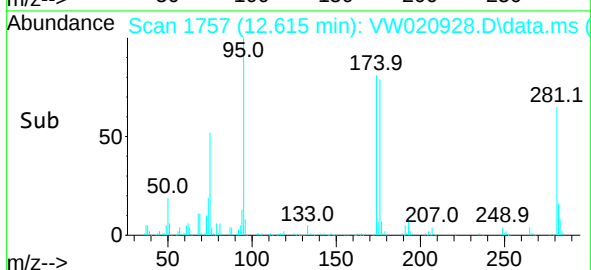
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

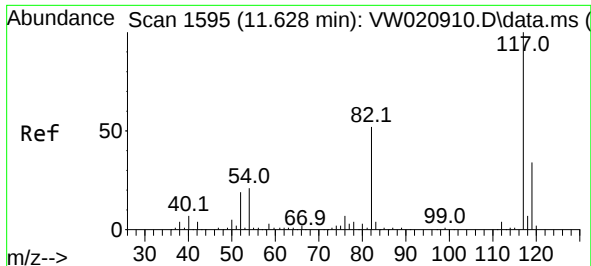


#62
4-Bromofluorobenzene
Concen: 46.481 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20



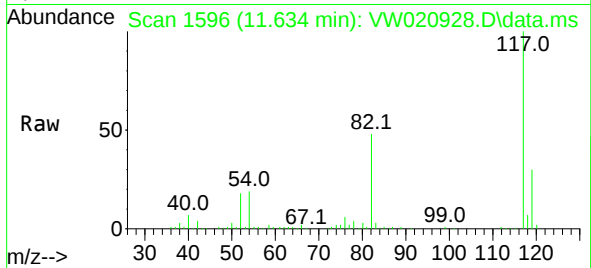
Tgt Ion: 95 Resp: 45740
Ion Ratio Lower Upper
95 100
174 88.4 0.0 171.2
176 82.8 0.0 175.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

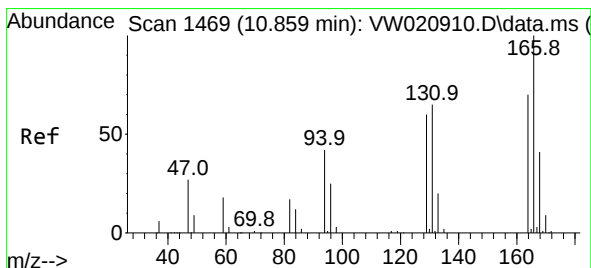
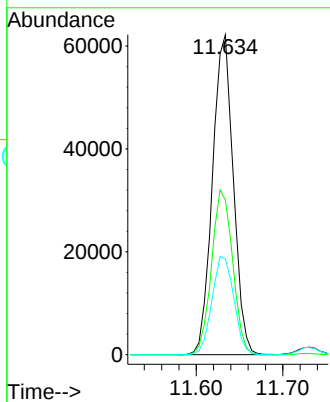
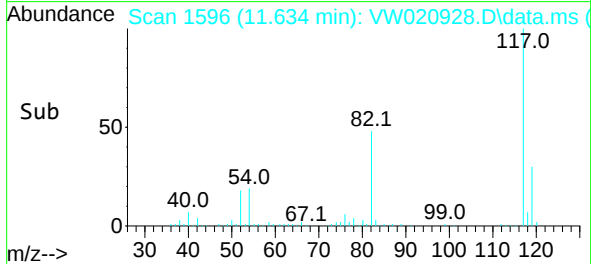
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:117 Resp: 10404
Ion Ratio Lower Upper
117 100
82 48.3 41.4 62.2
119 29.9 27.2 40.8

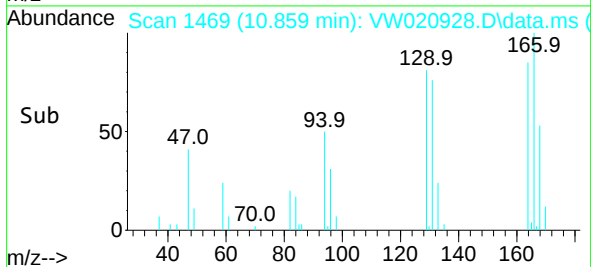
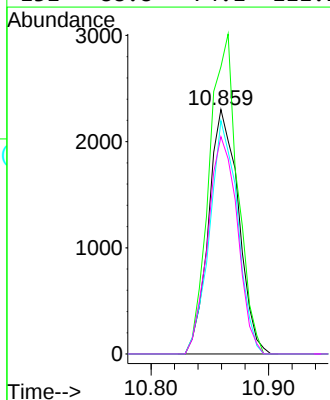
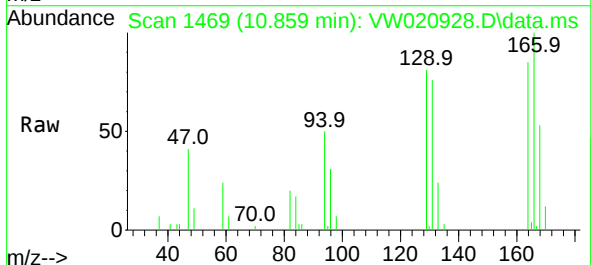
Manual Integrations
APPROVED

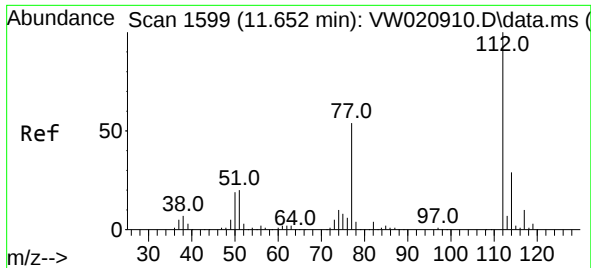
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#64
Tetrachloroethene
Concen: 5.255 ug/l
RT: 10.859 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion:164 Resp: 4062
Ion Ratio Lower Upper
164 100
166 117.5 114.4 171.6
129 95.4 68.3 102.5
131 88.8 74.1 111.1





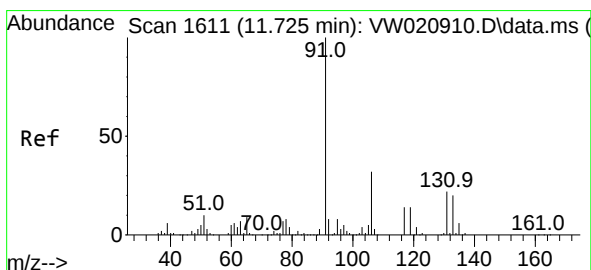
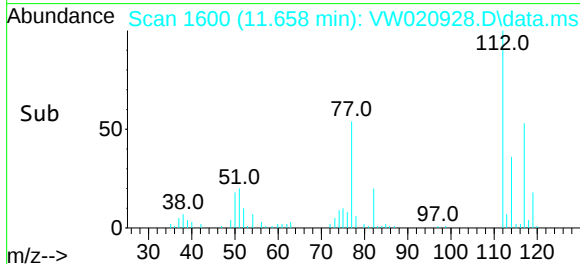
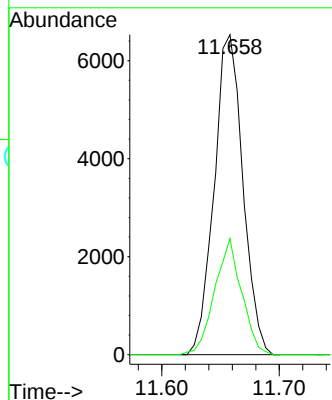
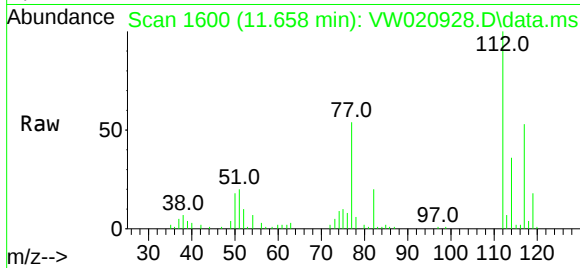
#65
Chlorobenzene
Concen: 5.302 ug/l
RT: 11.658 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion:112 Resp: 1109
Ion Ratio Lower Upper
112 100
114 36.2 23.0 34.6

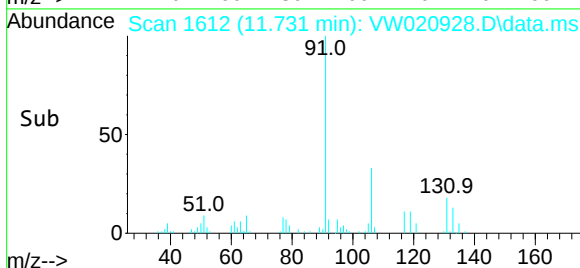
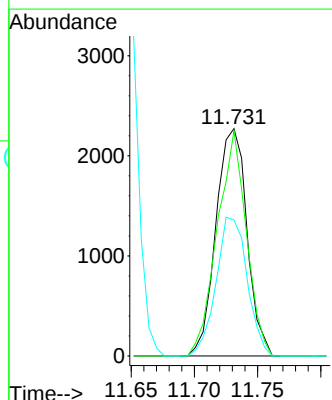
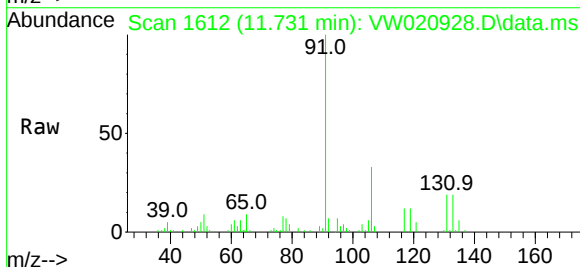
Manual Integrations
APPROVED

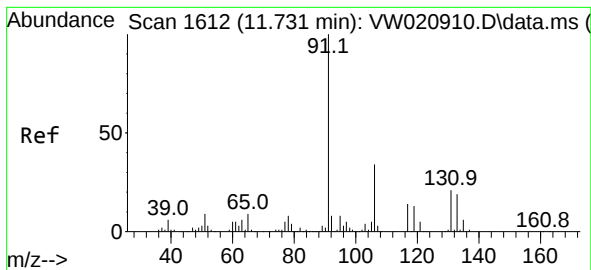
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 4.974 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

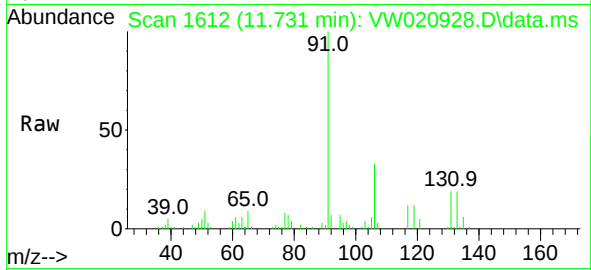
Tgt Ion:131 Resp: 3869
Ion Ratio Lower Upper
131 100
133 93.1 46.6 139.7
119 61.2 32.2 96.6





#67
Ethyl Benzene
Concen: 5.252 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

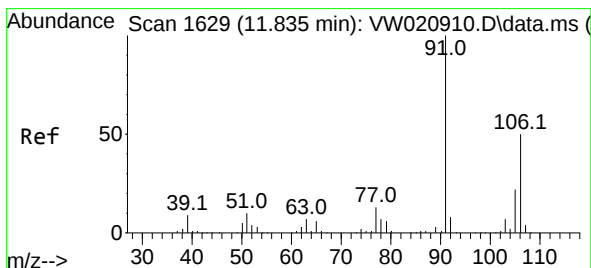
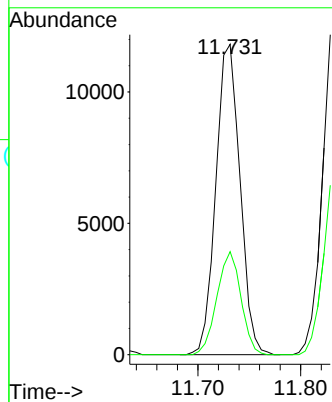
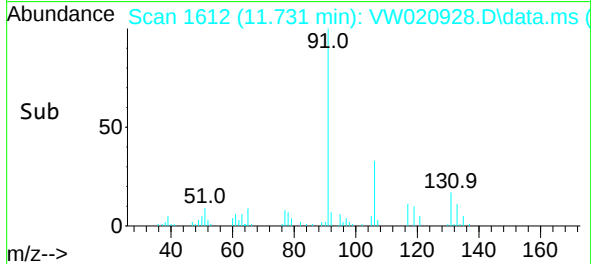
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



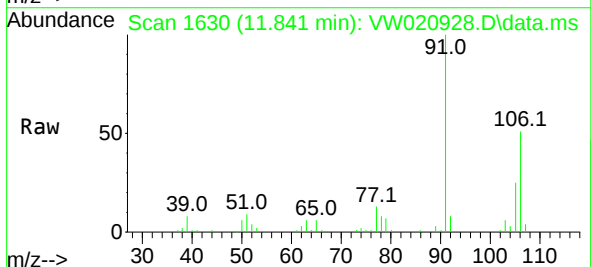
Tgt Ion: 91 Resp: 1928
Ion Ratio Lower Upper
91 100
106 33.2 27.3 40.9

Manual Integrations
APPROVED

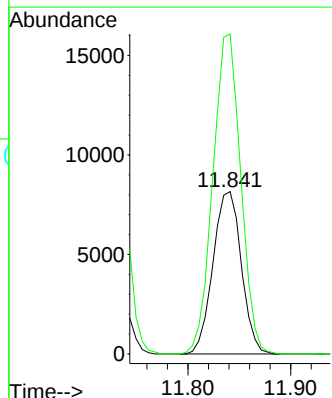
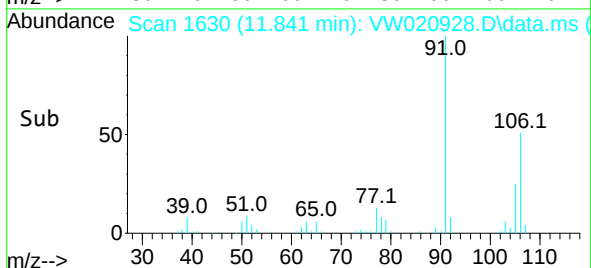
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

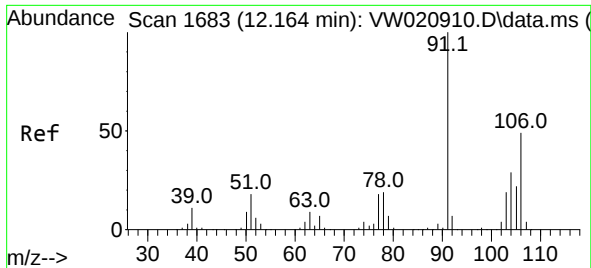


#68
m/p-Xylenes
Concen: 10.509 ug/l
RT: 11.841 min Scan# 1630
Delta R.T. 0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20



Tgt Ion:106 Resp: 15596
Ion Ratio Lower Upper
106 100
91 194.0 157.8 236.8





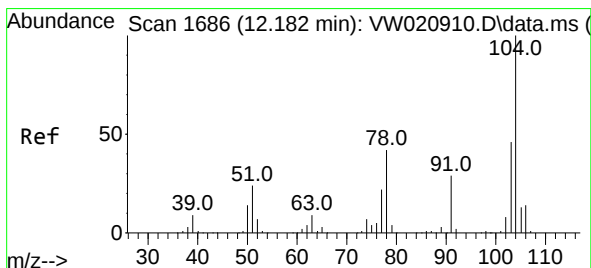
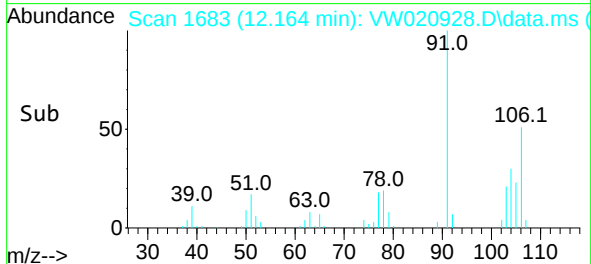
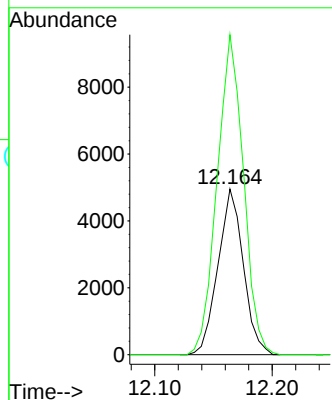
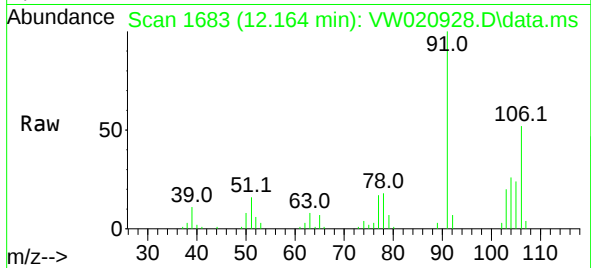
#69
o-Xylene
Concen: 5.342 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion:106 Resp: 7434
Ion Ratio Lower Upper
106 100
91 200.8 104.3 312.9

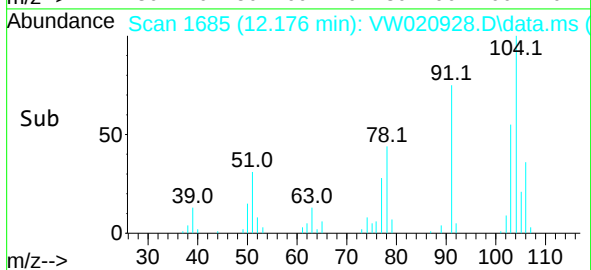
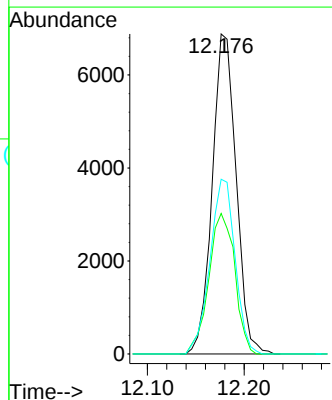
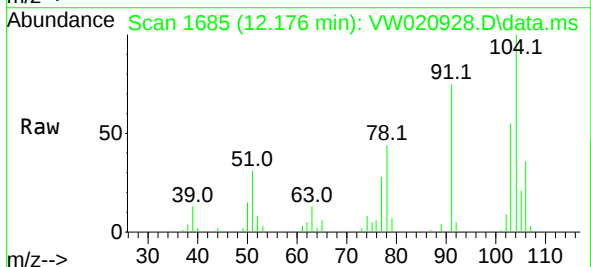
Manual Integrations
APPROVED

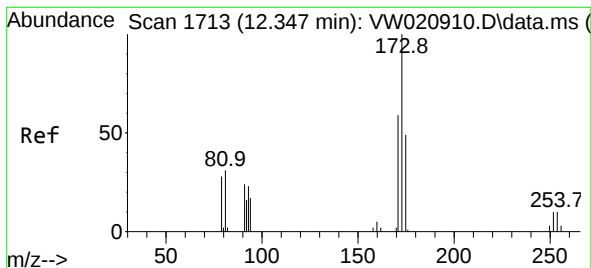
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#70
Styrene
Concen: 5.047 ug/l
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion:104 Resp: 11797
Ion Ratio Lower Upper
104 100
78 47.7 39.4 59.2
103 57.4 42.6 63.8





#71

Bromoform

Concen: 4.115 ug/l

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

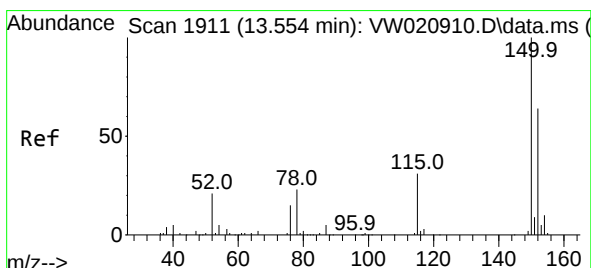
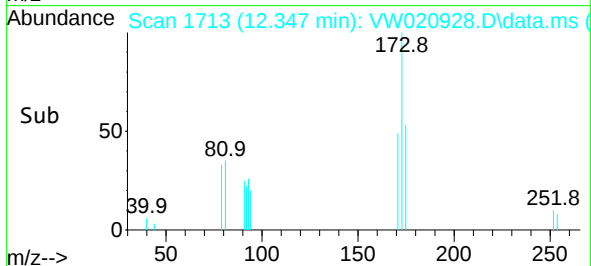
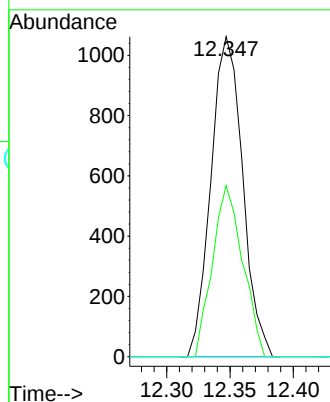
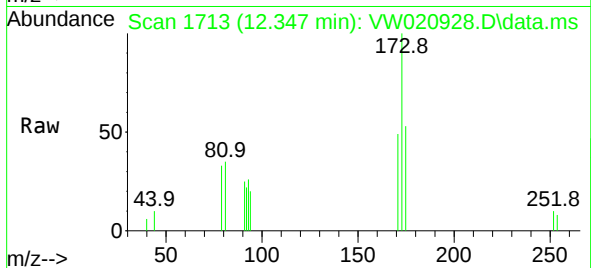
LOQ-SOIL-02-QT4-2021

Tgt Ion:173	Resp:	1850
Ion Ratio	Lower	Upper
173	100	
175	50.7	25.1 75.3
254	0.0	0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

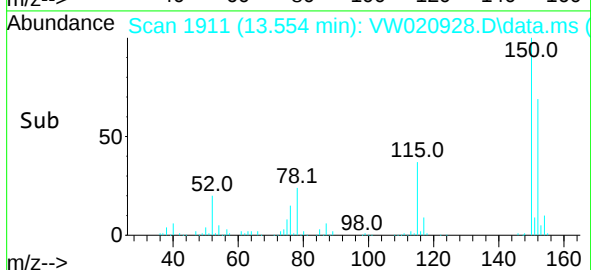
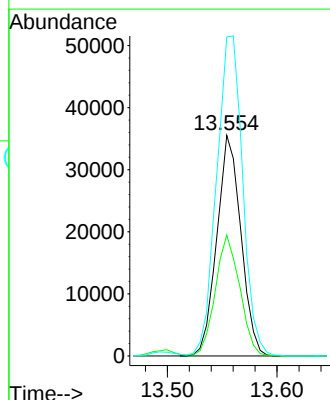
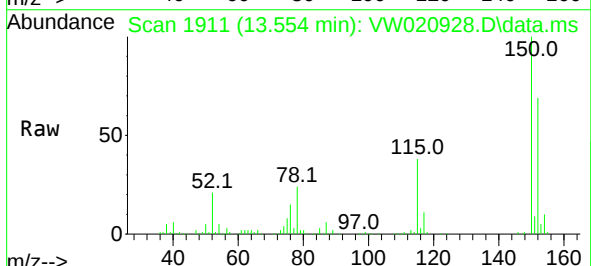
RT: 13.554 min Scan# 1911

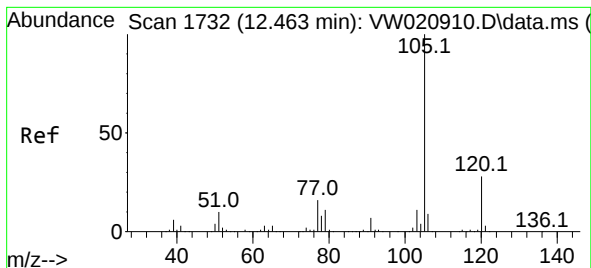
Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

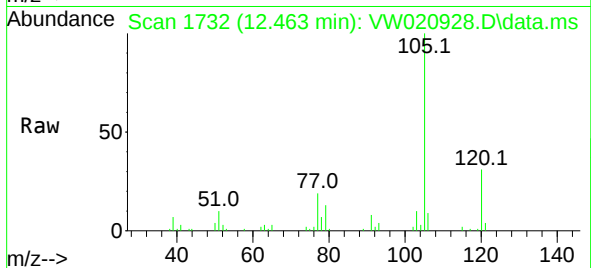
Tgt Ion:152	Resp:	54268
Ion Ratio	Lower	Upper
152	100	
115	55.4	27.8 83.3
150	157.4	0.0 348.4





#73
Isopropylbenzene
Concen: 5.277 ug/l
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

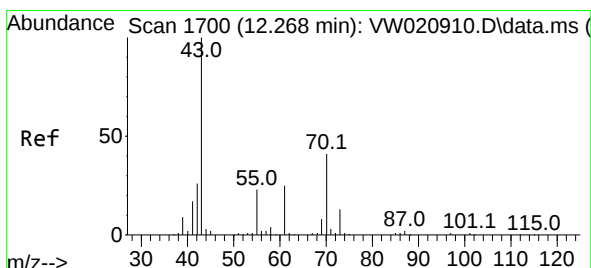
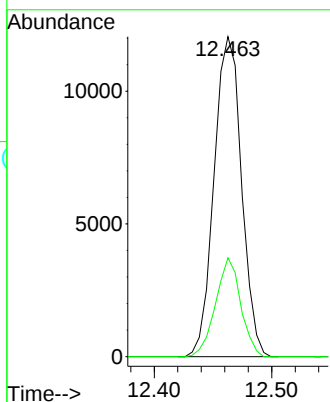
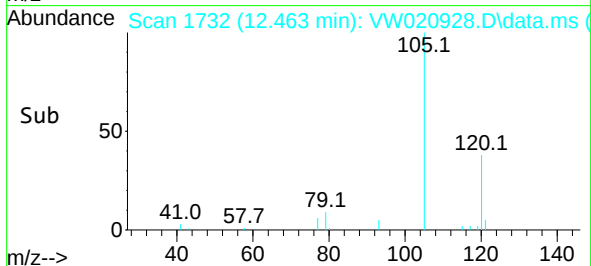
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:105 Resp: 1957
Ion Ratio Lower Upper
105 100
120 28.3 13.9 41.7

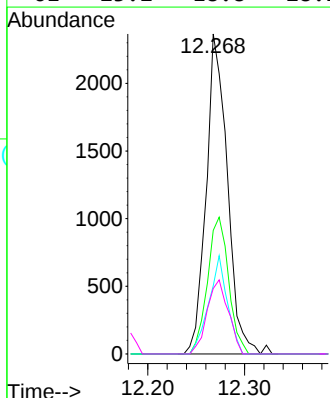
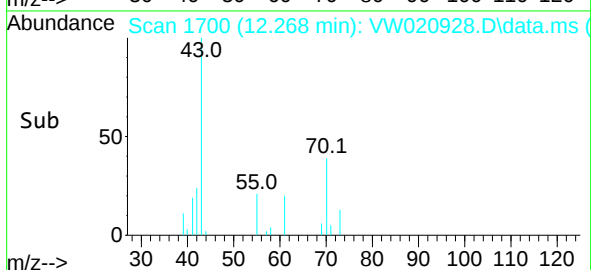
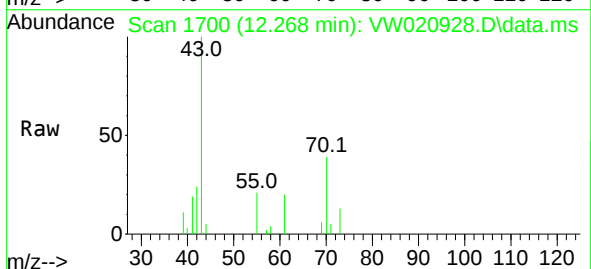
Manual Integrations
APPROVED

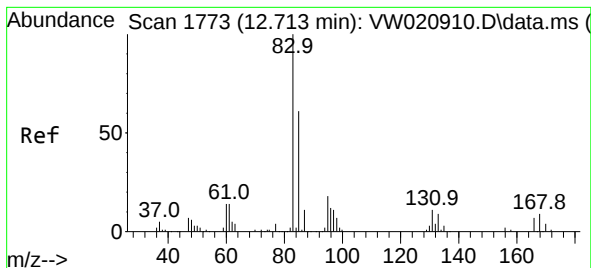
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#74
N-ethyl acetate
Concen: 4.088 ug/l
RT: 12.268 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

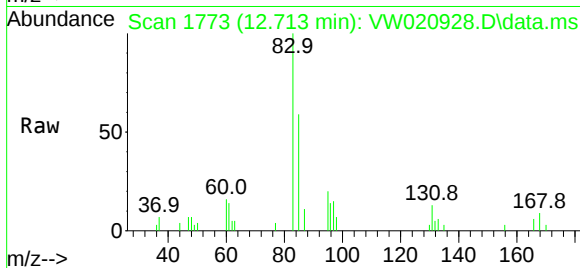
Tgt Ion: 43 Resp: 3611
Ion Ratio Lower Upper
43 100
70 42.5 33.7 50.5
55 26.9 18.5 27.7
61 23.2 18.8 28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 4.881 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

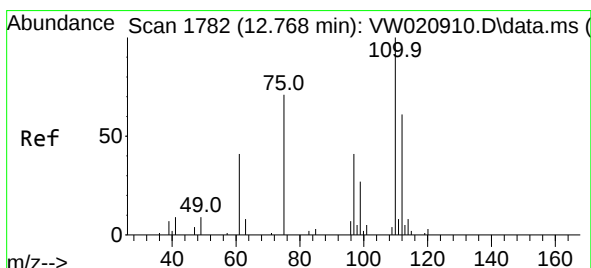
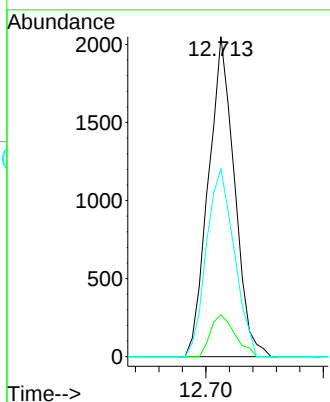
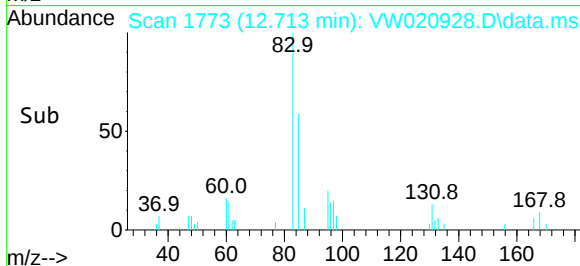
Instrument : MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 83 Resp: 3158
Ion Ratio Lower Upper
83 100
131 12.3 5.9 17.6
85 62.7 32.0 96.0

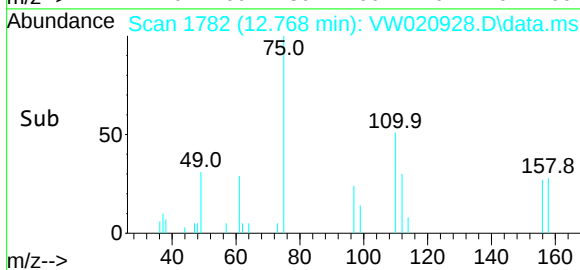
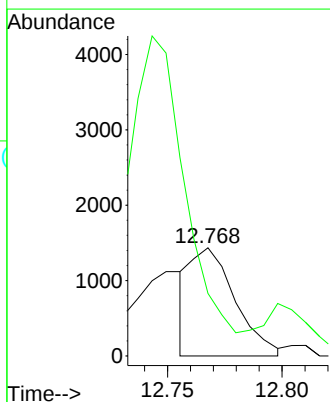
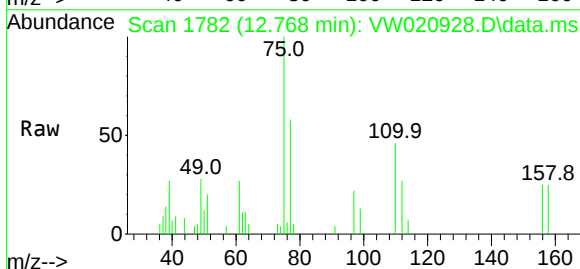
Manual Integrations
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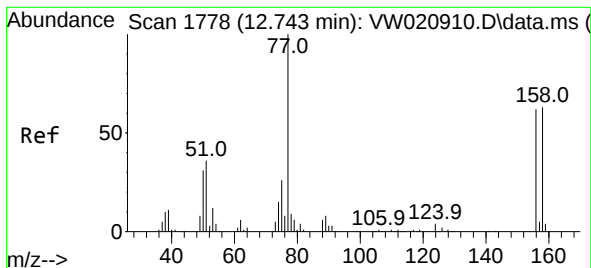
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#76
1,2,3-Trichloropropane
Concen: 3.997 ug/l m
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion: 75 Resp: 1949
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 5.313 ug/l

RT: 12.743 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

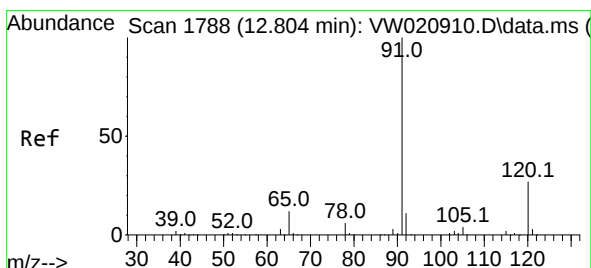
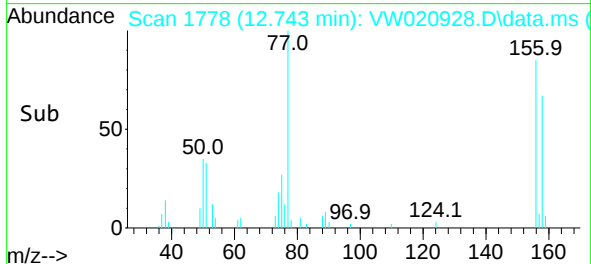
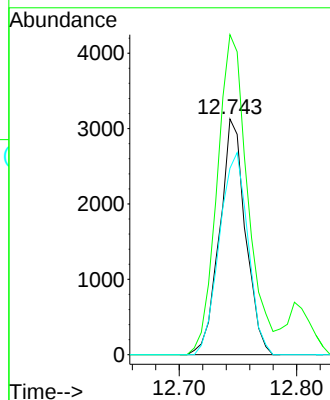
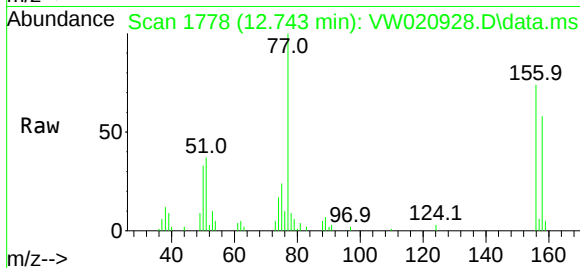
LOQ-SOIL-02-QT4-2021

Tgt Ion:	156	Resp:	4780
Ion Ratio	Lower	Upper	
156	100		
77	159.8	87.0	261.0
158	94.6	49.8	149.4

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#78

n-propylbenzene

Concen: 5.372 ug/l

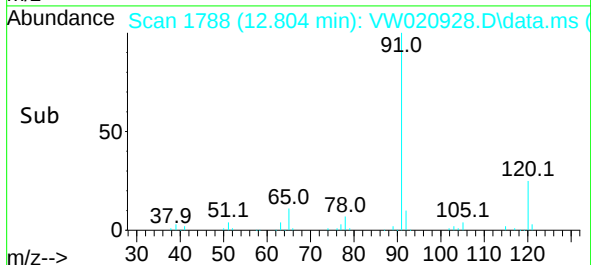
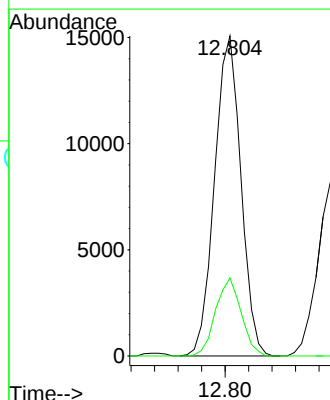
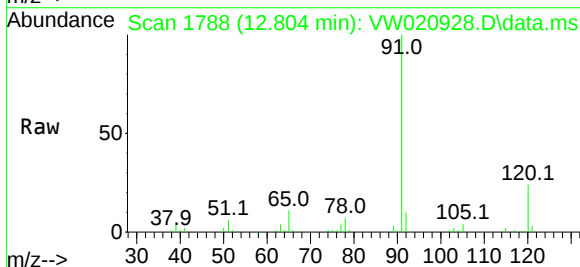
RT: 12.804 min Scan# 1788

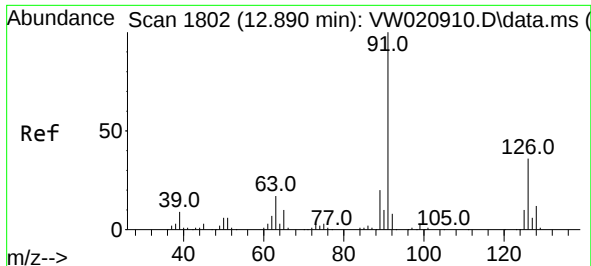
Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Tgt Ion:	91	Resp:	23464
Ion Ratio	Lower	Upper	
91	100		
120	23.6	12.4	37.4





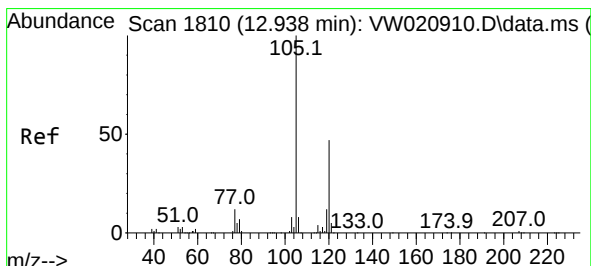
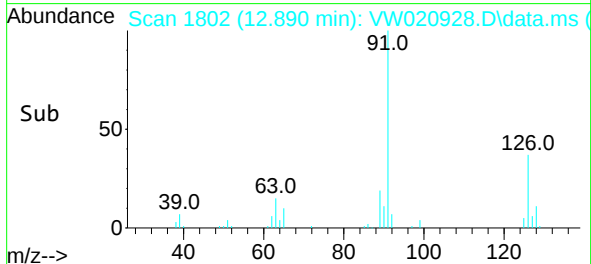
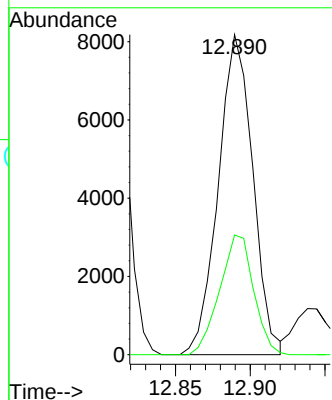
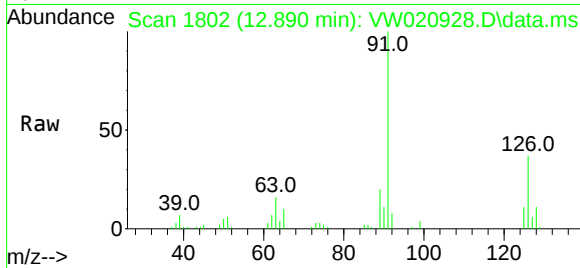
#79
2-Chlorotoluene
Concen: 5.196 ug/l
RT: 12.890 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion: 91 Resp: 13110
Ion Ratio Lower Upper
91 100
126 36.8 18.0 54.0

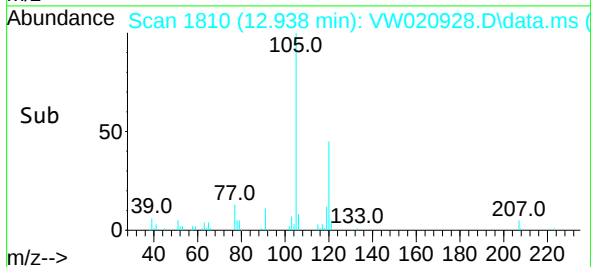
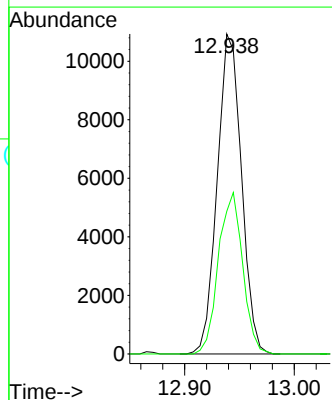
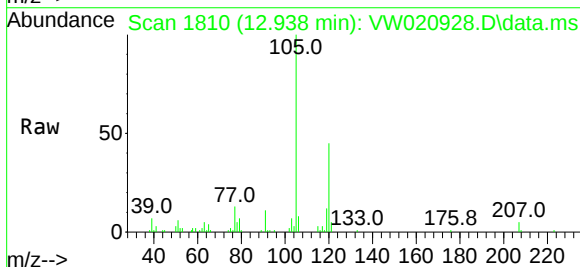
Manual Integrations
APPROVED

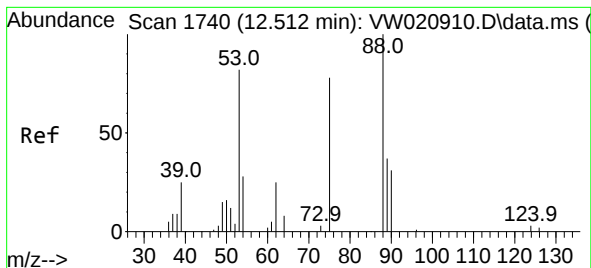
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#80
1,3,5-Trimethylbenzene
Concen: 5.286 ug/l
RT: 12.938 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

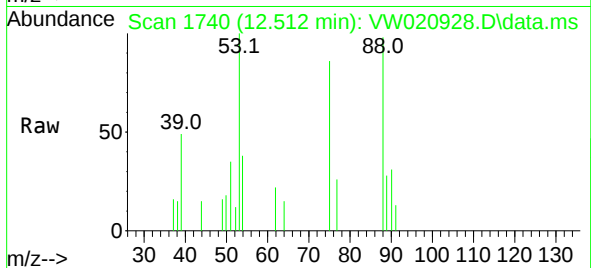
Tgt Ion:105 Resp: 16810
Ion Ratio Lower Upper
105 100
120 50.4 24.7 74.1





#81
trans-1,4-Dichloro-2-butene
Concen: 4.009 ug/l
RT: 12.512 min Scan# 1740
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

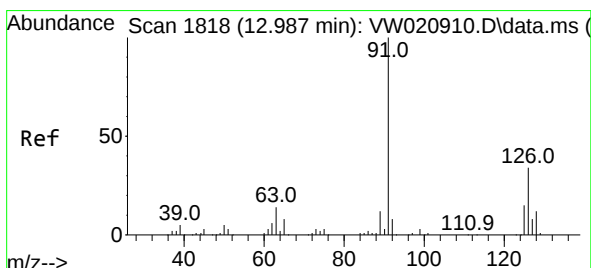
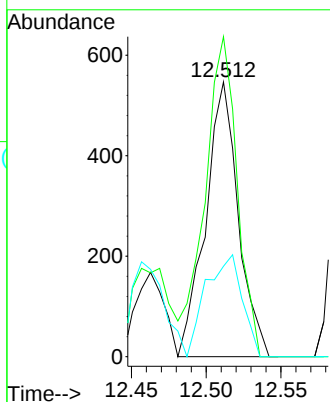
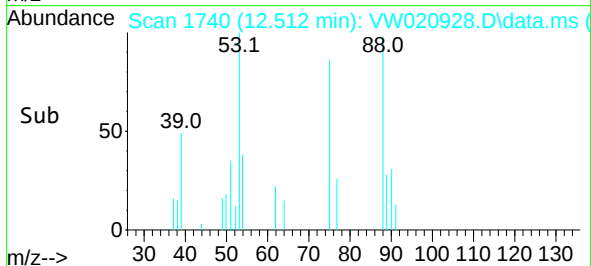
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



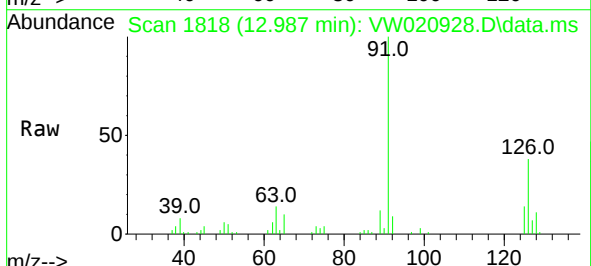
Tgt Ion: 75 Resp: 83
Ion Ratio Lower Upper
75 100
53 114.7 81.8 122.8
89 41.2 38.6 57.8

Manual Integrations
APPROVED

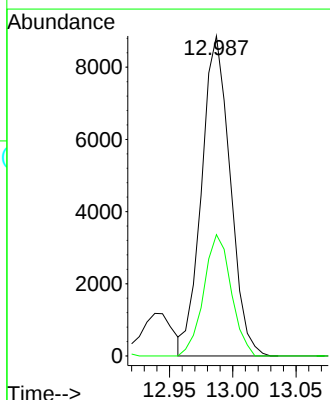
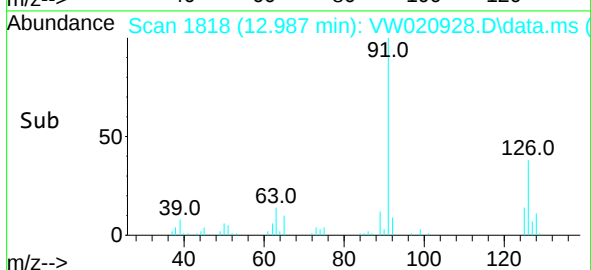
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

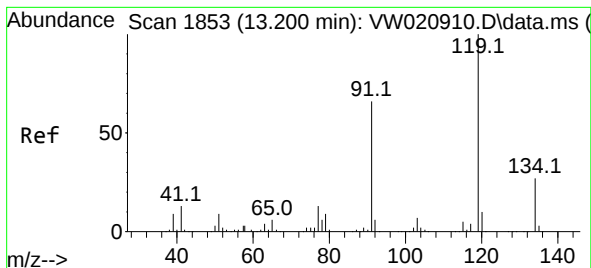


#82
4-Chlorotoluene
Concen: 5.205 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20



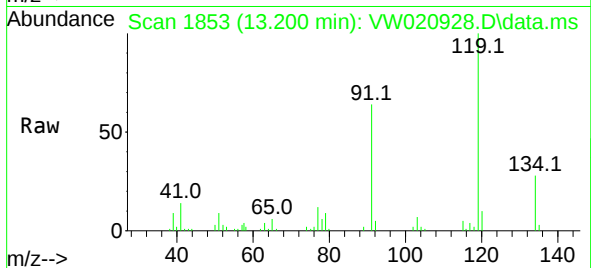
Tgt Ion: 91 Resp: 13934
Ion Ratio Lower Upper
91 100
126 36.3 17.1 51.2





#83
tert-Butylbenzene
Concen: 5.246 ug/l
RT: 13.200 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

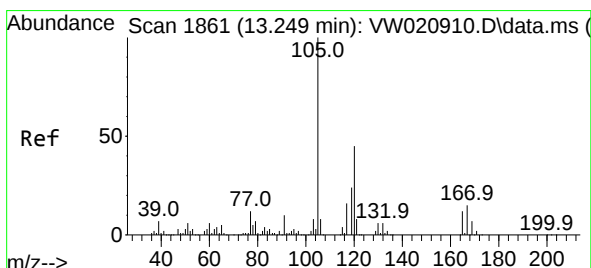
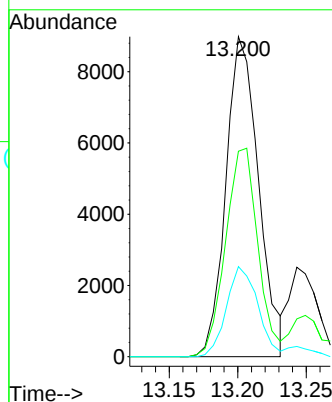
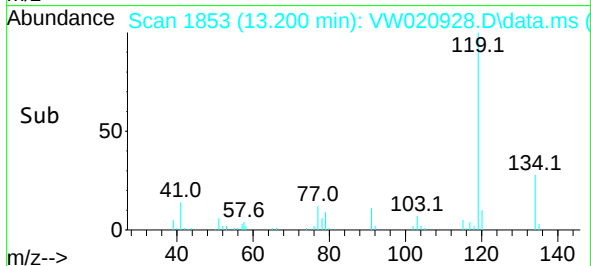
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



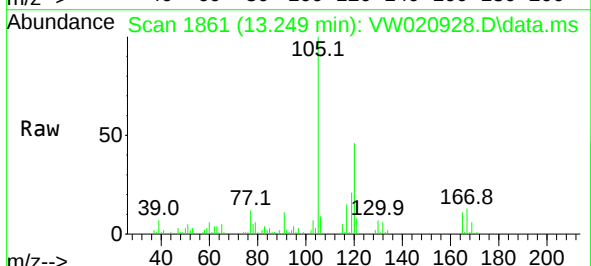
Tgt Ion:119 Resp: 1491
Ion Ratio Lower Upper
119 100
91 64.5 32.6 97.8
134 26.9 13.2 39.5

Manual Integrations
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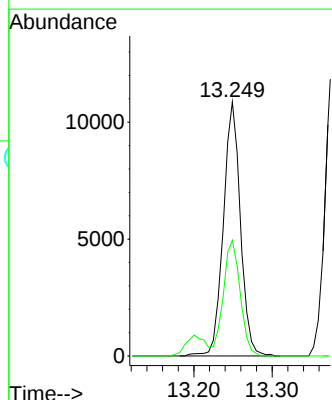
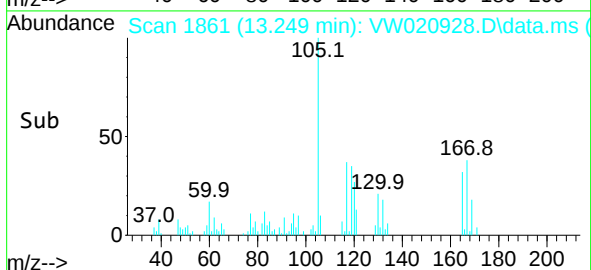
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

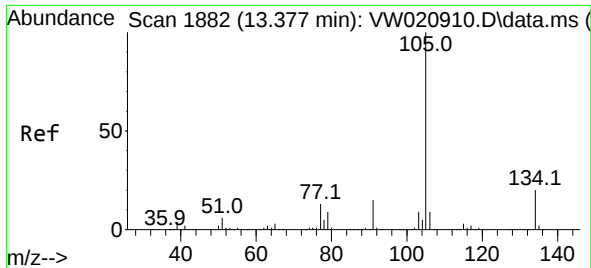


#84
1,2,4-Trimethylbenzene
Concen: 5.242 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20



Tgt Ion:105 Resp: 16462
Ion Ratio Lower Upper
105 100
120 45.5 22.7 68.1





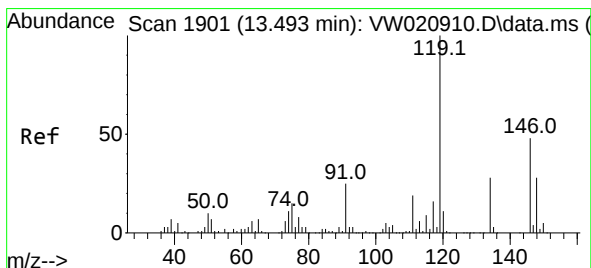
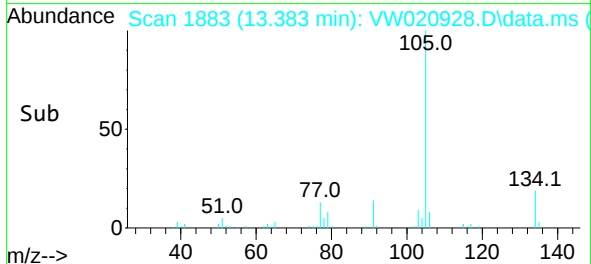
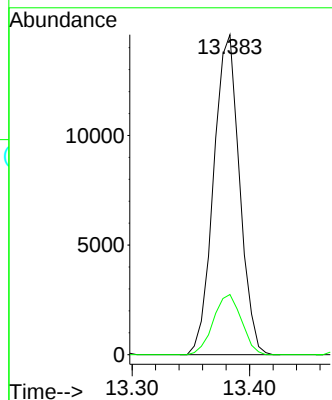
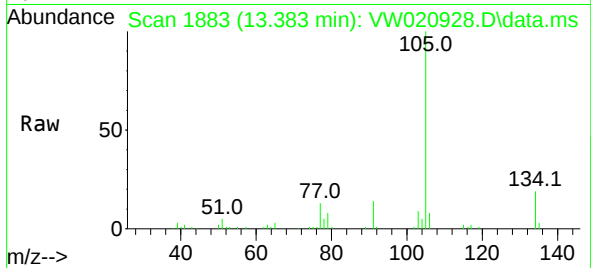
#85
 sec-Butylbenzene
 Concen: 5.474 ug/l
 RT: 13.383 min Scan# 1882
 Delta R.T. 0.006 min
 Lab File: VW020928.D
 Acq: 18 Nov 2021 15:20

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

Tgt Ion:105 Resp: 22389
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.4

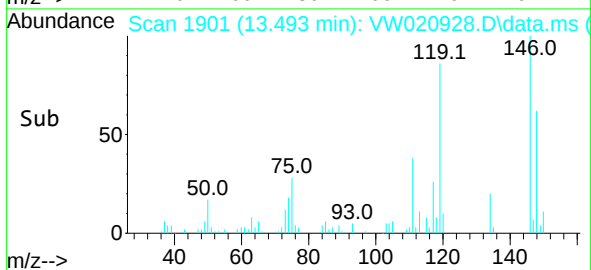
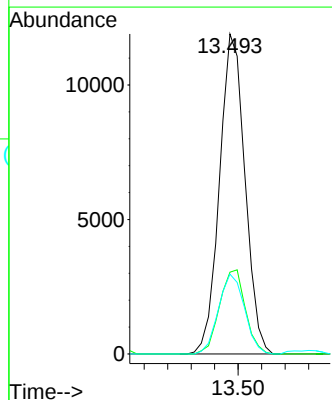
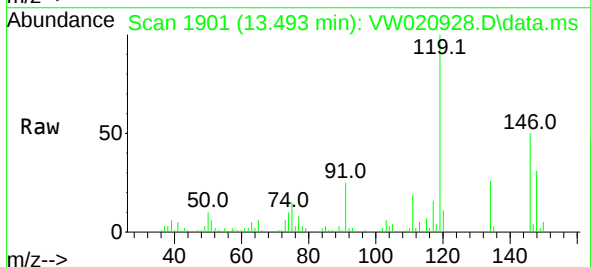
Manual Integrations
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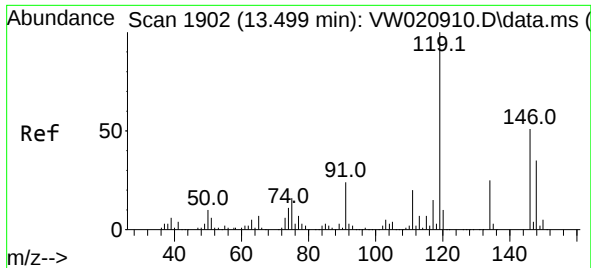
Reviewed By :Vimala Arumugam 11/19/2021
 Supervised By :Mahesh Dadoda 11/19/2021



#86
 p-Isopropyltoluene
 Concen: 5.074 ug/l
 RT: 13.493 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: VW020928.D
 Acq: 18 Nov 2021 15:20

Tgt Ion:119 Resp: 17891
 Ion Ratio Lower Upper
 119 100
 134 26.7 13.2 39.5
 91 25.5 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 5.402 ug/l

RT: 13.499 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

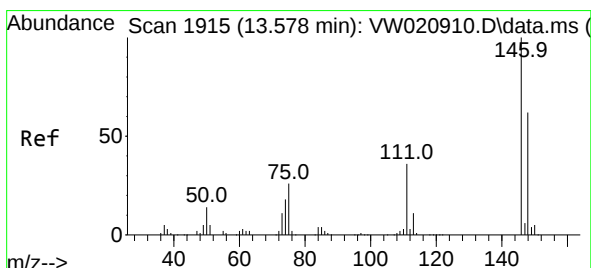
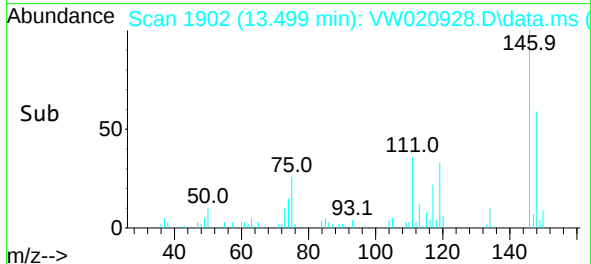
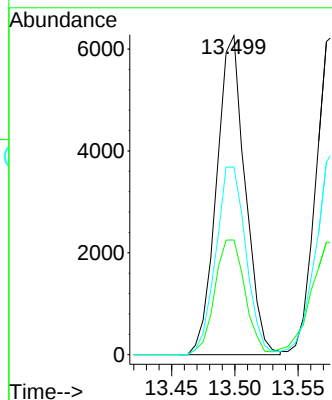
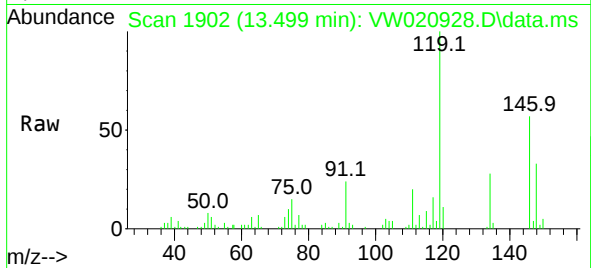
LOQ-SOIL-02-QT4-2021

Tgt Ion:146	Resp:	986
Ion Ratio	Lower	Upper
146	100	
111	38.0	20.0 59.9
148	61.7	31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#88

1,4-Dichlorobenzene

Concen: 5.663 ug/l

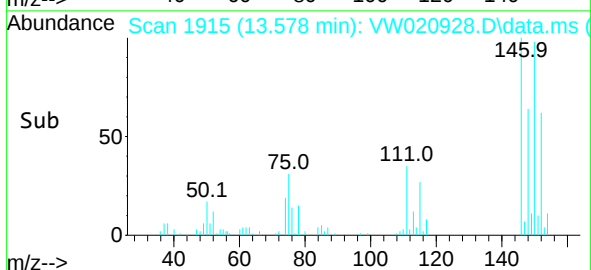
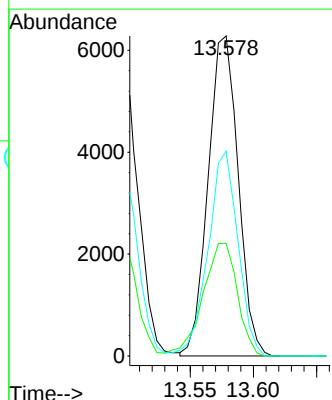
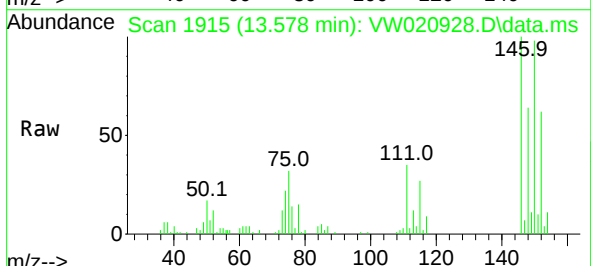
RT: 13.578 min Scan# 1915

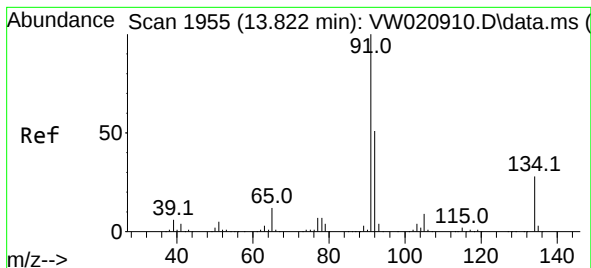
Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Tgt Ion:146	Resp:	10388
Ion Ratio	Lower	Upper
146	100	
111	40.2	18.8 56.4
148	63.5	31.1 93.2





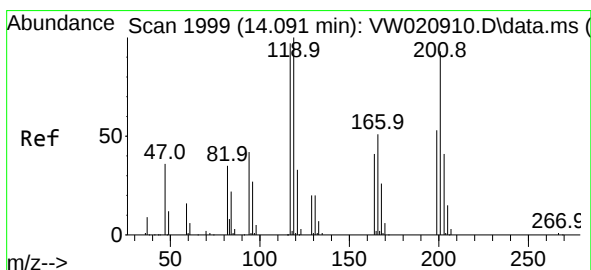
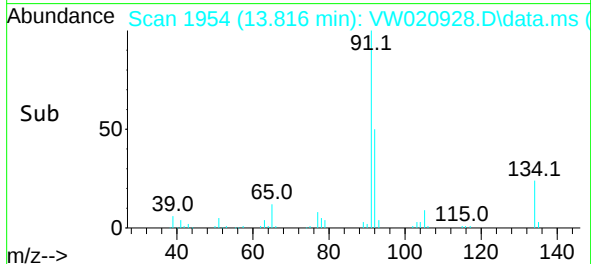
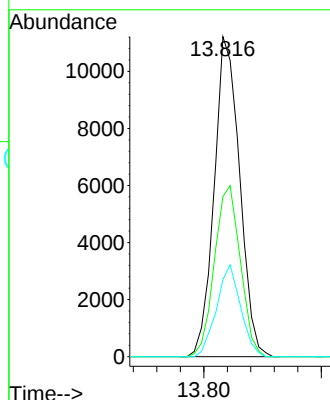
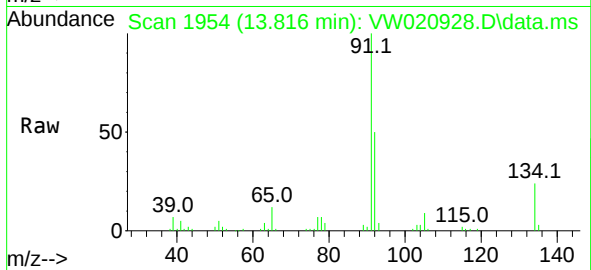
#89
n-Butylbenzene
Concen: 5.325 ug/l
RT: 13.816 min Scan# 1954
Delta R.T. -0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

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

Tgt Ion: 91 Resp: 1685
Ion Ratio Lower Upper
91 100
92 54.2 26.5 79.4
134 27.2 13.6 40.8

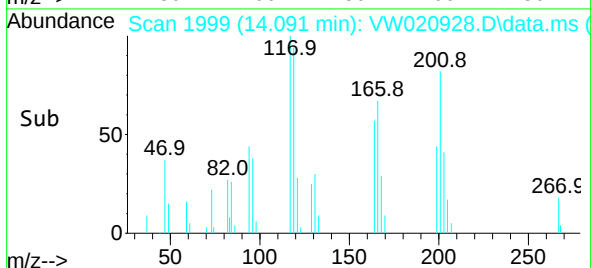
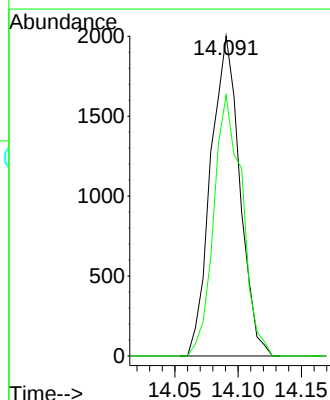
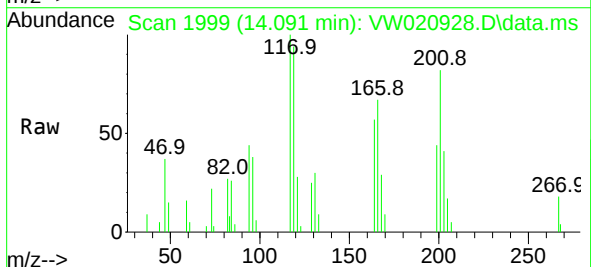
Manual Integrations
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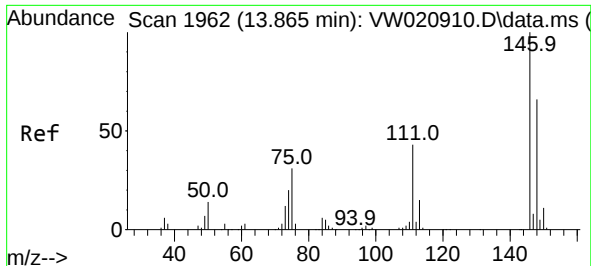
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#90
Hexachloroethane
Concen: 4.811 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion:117 Resp: 3195
Ion Ratio Lower Upper
117 100
201 79.7 43.8 131.4





#91

1,2-Dichlorobenzene

Concen: 5.325 ug/l

RT: 13.871 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

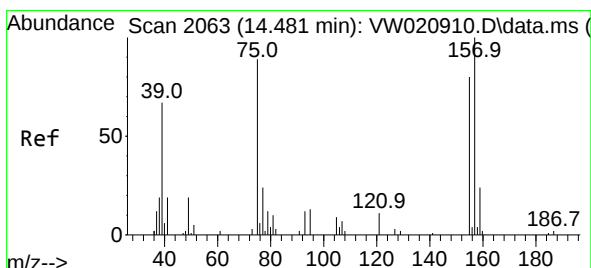
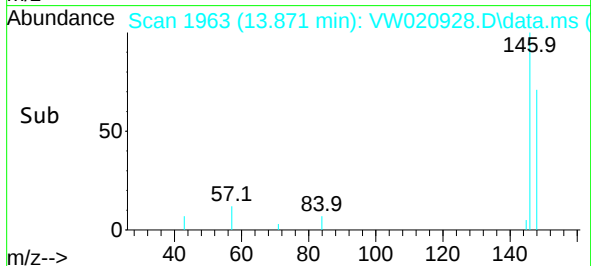
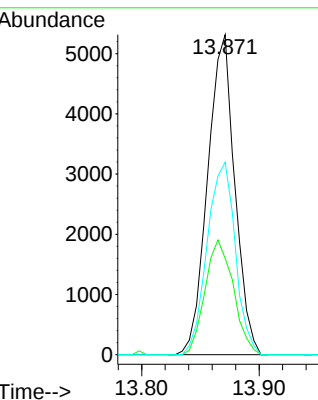
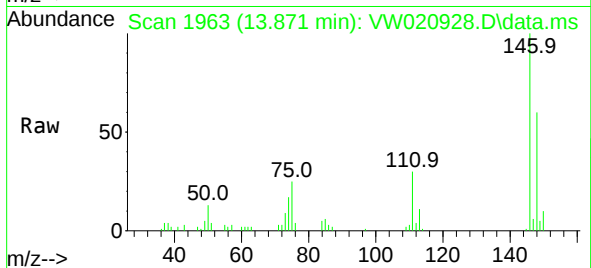
Tgt Ion:	146	Resp:	8540
Ion Ratio	Lower	Upper	
146	100		
111	37.3	21.1	63.3
148	62.2	32.6	97.8

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/19/2021

Supervised By :Mahesh Dadoda 11/19/2021



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.357 ug/l

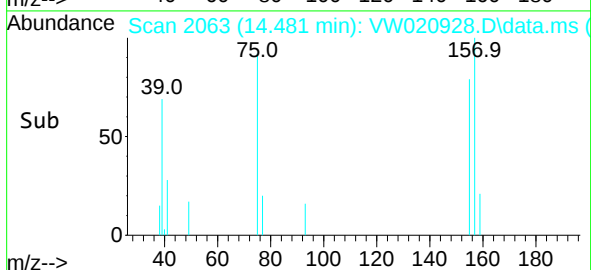
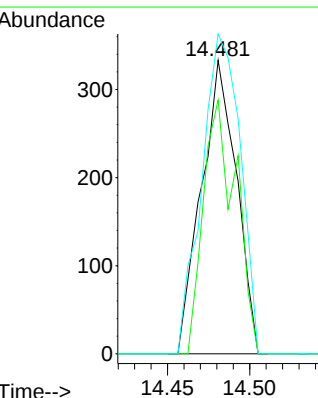
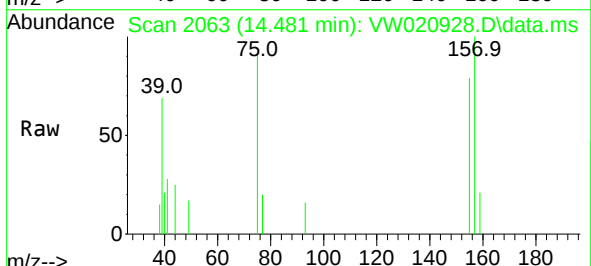
RT: 14.481 min Scan# 2063

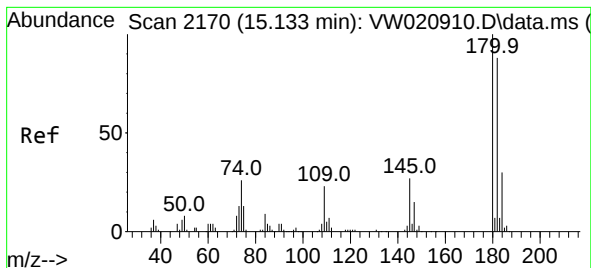
Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Tgt Ion:	75	Resp:	495
Ion Ratio	Lower	Upper	
75	100		
155	80.4	45.9	137.6
157	119.6	57.8	173.4





#93

1,2,4-Trichlorobenzene

Concen: 5.274 ug/l

RT: 15.127 min Scan# 2169

Delta R.T. -0.006 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

Instrument :

MSVOA_W

ClientSampleId :

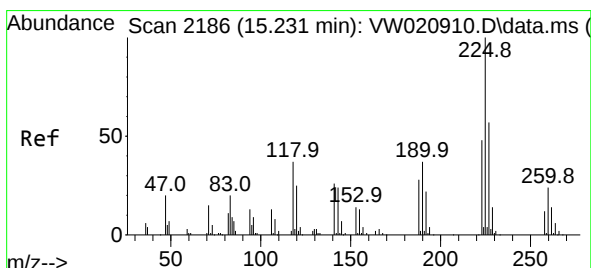
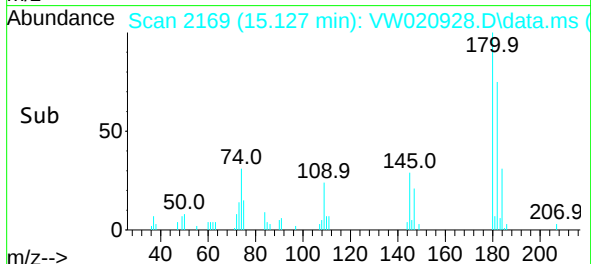
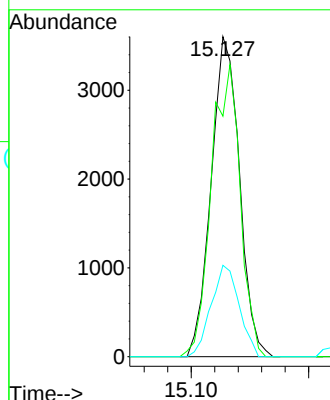
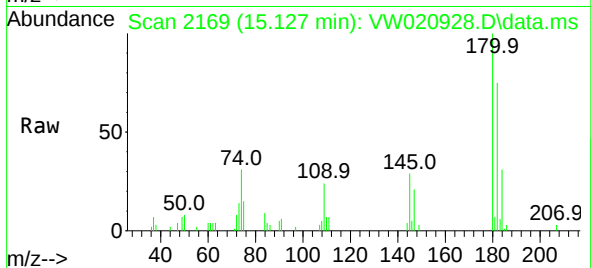
LOQ-SOIL-02-QT4-2021

Tgt Ion:	180	Resp:	602
Ion Ratio	Lower	Upper	
180	100		
182	92.9	46.5	139.3
145	28.3	15.0	45.1

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#94

Hexachlorobutadiene

Concen: 5.874 ug/l

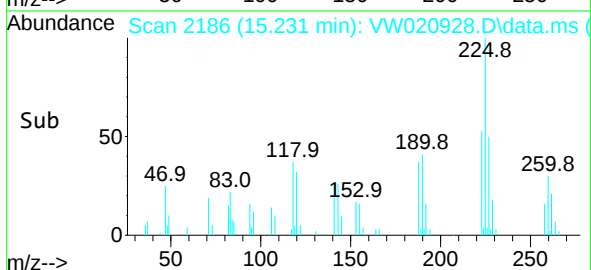
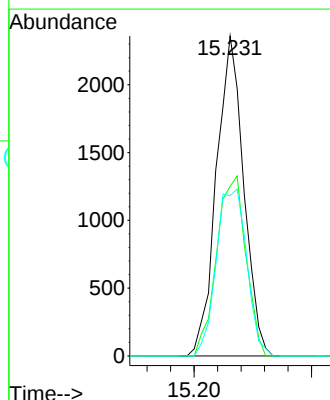
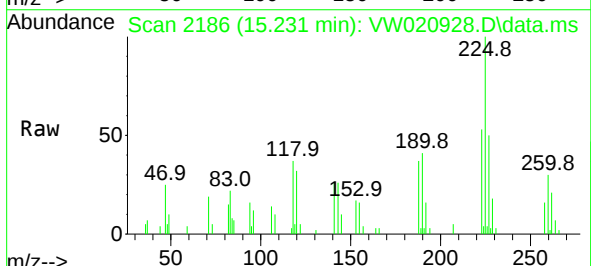
RT: 15.231 min Scan# 2186

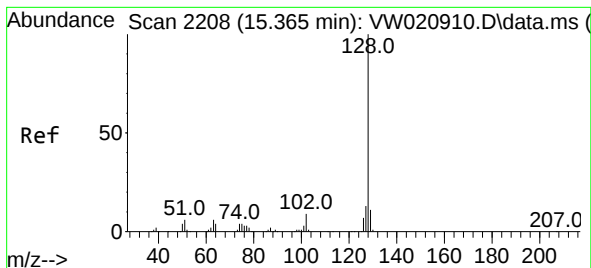
Delta R.T. 0.000 min

Lab File: VW020928.D

Acq: 18 Nov 2021 15:20

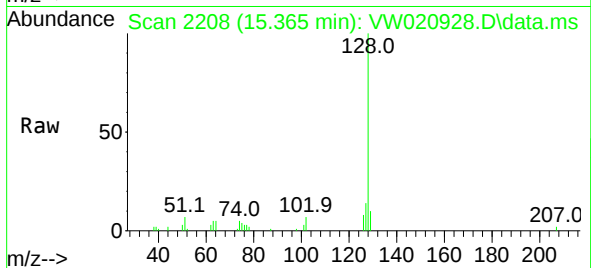
Tgt Ion:	225	Resp:	3807
Ion Ratio	Lower	Upper	
225	100		
223	60.3	31.1	93.3
227	58.3	32.8	98.3





#95
Naphthalene
Concen: 4.660 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

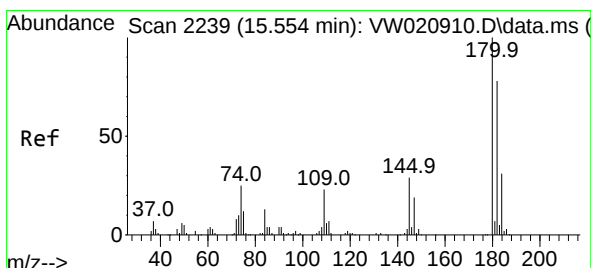
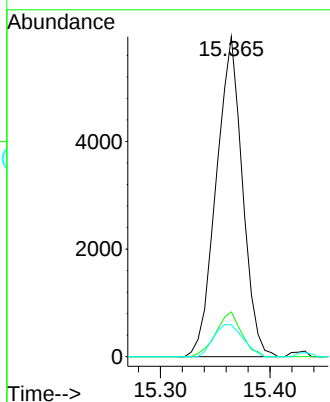
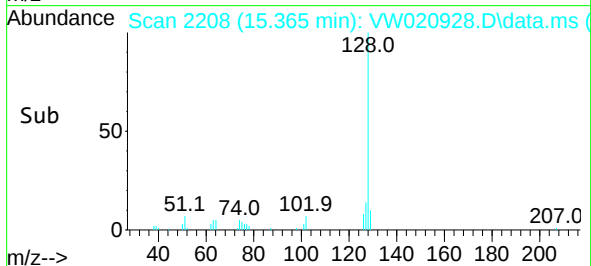
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:128 Resp: 987
Ion Ratio Lower Upper
128 100
127 13.7 10.6 16.0
129 11.3 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#96
1,2,3-Trichlorobenzene
Concen: 5.050 ug/l
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW020928.D
Acq: 18 Nov 2021 15:20

Tgt Ion:180 Resp: 5089
Ion Ratio Lower Upper
180 100
182 101.5 46.2 138.6
145 32.0 14.9 44.5

