

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111821\
 Data File : VW020926.D
 Acq On : 18 Nov 2021 14:32
 Operator : SY/VA
 Sample : M4068-01 2.5PPBLOD
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021

Quant Time: Nov 19 04:59:27 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	7.939	168	85492	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	126871	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	114049	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.560	152	57801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	36303	45.842	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	91.680%		
35) Dibromofluoromethane	7.885	113	37349	46.932	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	93.860%		
50) Toluene-d8	10.323	98	136767	46.859	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	93.720%		
62) 4-Bromofluorobenzene	12.615	95	50616	46.501	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	93.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.014	85	297	1.910	ug/l	79
3) Chloromethane	2.209	50	1135	2.306	ug/l	98
4) Vinyl Chloride	2.355	62	1928	2.225	ug/l	93
5) Bromomethane	2.763	94	1672	2.997	ug/l	90
6) Chloroethane	2.916	64	828	2.479	ug/l #	87
7) Trichlorofluoromethane	3.251	101	1067	2.969	ug/l	100
8) Diethyl Ether	3.678	74	860	2.278	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.056	101	1759	2.372	ug/l	98
10) Methyl Iodide	4.269	142	2432	2.175	ug/l #	93
11) Tert butyl alcohol	5.129	59	2202m	31.561	ug/l	
12) 1,1-Dichloroethene	4.032	96	1663	2.289	ug/l	80
13) Acrolein	3.904	56	94m	7.789	ug/l	
14) Allyl chloride	4.666	41	2425	2.325	ug/l	98
15) Acrylonitrile	5.367	53	1614	9.882	ug/l	96
16) Acetone	4.129	43	2657	16.141	ug/l	100
17) Carbon Disulfide	4.379	76	4368	2.188	ug/l #	94
18) Methyl Acetate	4.666	43	1311	2.282	ug/l	95
19) Methyl tert-butyl Ether	5.434	73	2840	2.268	ug/l	98
20) Methylene Chloride	4.916	84	6409	6.970	ug/l	98
21) trans-1,2-Dichloroethene	5.415	96	1934	2.338	ug/l	83
22) Diisopropyl ether	6.306	45	4503	2.104	ug/l #	95
23) Vinyl Acetate	6.257	43	12348	9.859	ug/l	97
24) 1,1-Dichloroethane	6.214	63	3074	2.257	ug/l #	93
25) 2-Butanone	7.177	43	3022	12.926	ug/l	93
26) 2,2-Dichloropropane	7.165	77	2932	3.035	ug/l	87
27) cis-1,2-Dichloroethene	7.171	96	2059	2.228	ug/l	82
28) Bromochloromethane	7.507	49	1281	2.223	ug/l #	98
29) Tetrahydrofuran	7.537	42	1478	10.424	ug/l	96
30) Chloroform	7.671	83	3324	2.219	ug/l	95
31) Cyclohexane	7.945	56	4536	3.433	ug/l #	70
32) 1,1,1-Trichloroethane	7.872	97	2810	2.221	ug/l	98
36) 1,1-Dichloropropene	8.080	75	2588	2.271	ug/l	96
37) Ethyl Acetate	7.250	43	1266	2.435	ug/l #	69
38) Carbon Tetrachloride	8.067	117	2760	2.276	ug/l	94
39) Methylcyclohexane	9.329	83	3464	2.421	ug/l	93
40) Benzene	8.323	78	8516	2.621	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.482	41	469	1.692	ug/l	91
42) 1,2-Dichloroethane	8.397	62	2227	2.259	ug/l	95
43) Isopropyl Acetate	8.421	43	1922	1.884	ug/l #	91
44) Trichloroethene	9.092	130	2251	2.374	ug/l	96
45) 1,2-Dichloropropane	9.366	63	1568	2.095	ug/l #	79
46) Dibromomethane	9.457	93	1024	2.160	ug/l	95
47) Bromodichloromethane	9.640	83	2400	2.139	ug/l #	94
48) Methyl methacrylate	9.439	41	1026	2.261	ug/l #	88
49) 1,4-Dioxane	9.451	88	246	36.004	ug/l #	58
51) 4-Methyl-2-Pentanone	10.207	43	5739	11.048	ug/l	98
52) Toluene	10.390	92	4794	2.295	ug/l	100
53) t-1,3-Dichloropropene	10.604	75	2003	1.798	ug/l	99
54) cis-1,3-Dichloropropene	10.073	75	2613	2.073	ug/l #	90
55) 1,1,2-Trichloroethane	10.780	97	1396	2.196	ug/l	96
56) Ethyl methacrylate	10.646	69	1529	1.889	ug/l	90
57) 1,3-Dichloropropane	10.933	76	2380	2.224	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.921	63	4812	11.812	ug/l	99
59) 2-Hexanone	10.969	43	3593	9.943	ug/l	95
60) Dibromochloromethane	11.122	129	1576	1.966	ug/l	99
61) 1,2-Dibromoethane	11.238	107	1418	2.248	ug/l	92
64) Tetrachloroethene	10.860	164	2103	2.482	ug/l	86
65) Chlorobenzene	11.658	112	5318	2.319	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.731	131	1757	2.061	ug/l	98
67) Ethyl Benzene	11.725	91	9323	2.317	ug/l	90
68) m/p-Xylenes	11.835	106	7467	4.590	ug/l	99
69) o-Xylene	12.164	106	3502	2.296	ug/l	95
70) Styrene	12.176	104	5560	2.170	ug/l	98
71) Bromoform	12.347	173	881	1.788	ug/l #	96
73) Isopropylbenzene	12.463	105	9705	2.457	ug/l	97
74) N-amyl acetate	12.268	43	1677	1.782	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.713	83	1524	2.212	ug/l	94
76) 1,2,3-Trichloropropane	12.762	75	1267m	2.440	ug/l	
77) Bromobenzene	12.743	156	2429	2.532	ug/l	92
78) n-propylbenzene	12.804	91	11429	2.457	ug/l	99
79) 2-Chlorotoluene	12.890	91	6717	2.498	ug/l	97
80) 1,3,5-Trimethylbenzene	12.945	105	8029	2.370	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.512	75	403m	1.825	ug/l	
82) 4-Chlorotoluene	12.987	91	7031	2.466	ug/l	99
83) tert-Butylbenzene	13.201	119	7215	2.383	ug/l	100
84) 1,2,4-Trimethylbenzene	13.249	105	8023	2.399	ug/l	98
85) sec-Butylbenzene	13.384	105	10877	2.497	ug/l	100
86) p-Isopropyltoluene	13.493	119	9176	2.443	ug/l	97
87) 1,3-Dichlorobenzene	13.493	146	5037	2.590	ug/l	98
88) 1,4-Dichlorobenzene	13.573	146	4961	2.539	ug/l	83
89) n-Butylbenzene	13.822	91	8021	2.378	ug/l	95
90) Hexachloroethane	14.091	117	1579	2.232	ug/l	87
91) 1,2-Dichlorobenzene	13.871	146	4432	2.594	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.481	75	287	2.372	ug/l	76
93) 1,2,4-Trichlorobenzene	15.133	180	3274	2.690	ug/l	98
94) Hexachlorobutadiene	15.231	225	1735	2.513	ug/l	93
95) Naphthalene	15.365	128	5413	2.399	ug/l	98
96) 1,2,3-Trichlorobenzene	15.554	180	2896	2.698	ug/l	96

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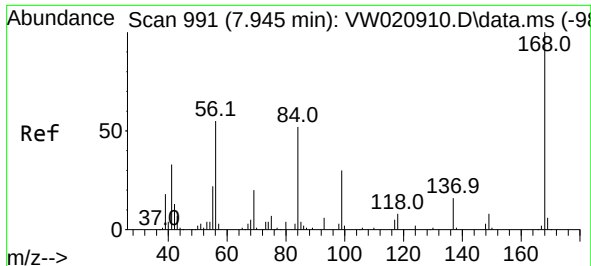
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

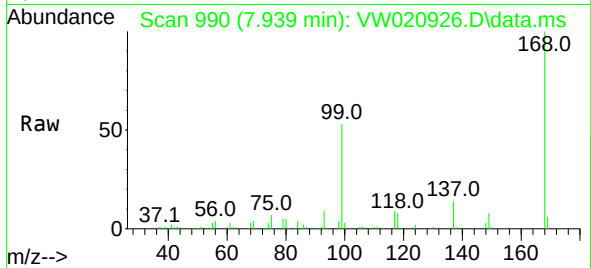
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.939 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW020926.D
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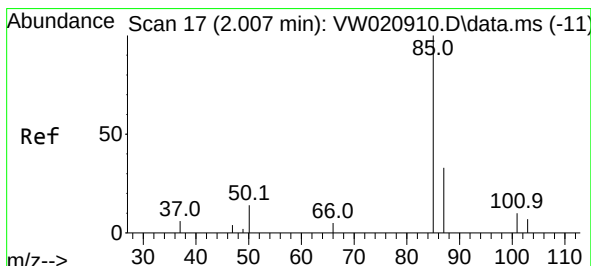
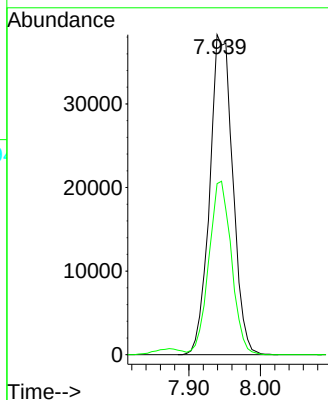
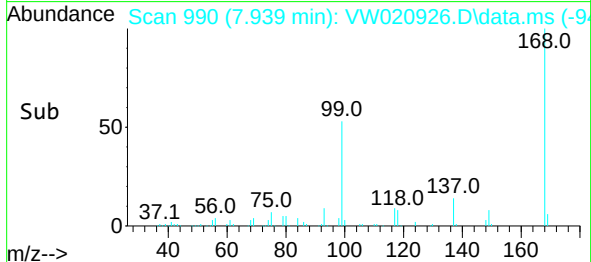
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:168 Resp: 85492
Ion Ratio Lower Upper
168 100
99 53.5 41.6 62.4

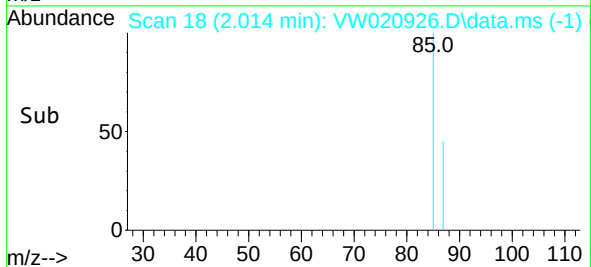
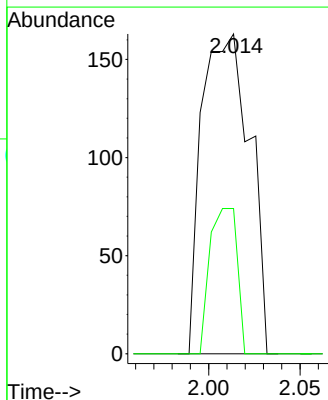
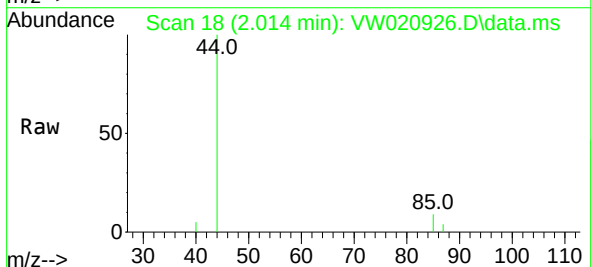
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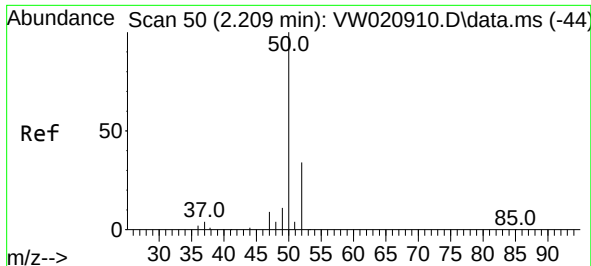
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#2
Dichlorodifluoromethane
Concen: 1.910 ug/l
RT: 2.014 min Scan# 18
Delta R.T. 0.007 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

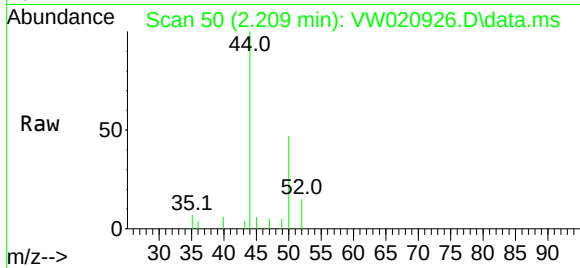
Tgt Ion: 85 Resp: 297
Ion Ratio Lower Upper
85 100
87 45.4 16.8 50.3





#3
Chloromethane
Concen: 2.306 ug/l
RT: 2.209 min Scan# 50
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

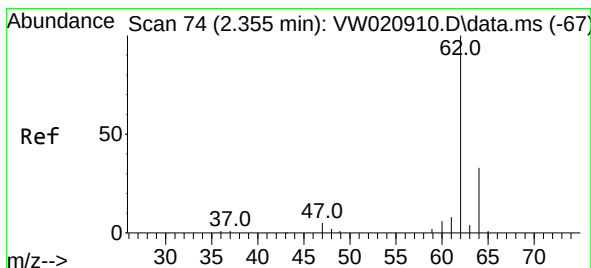
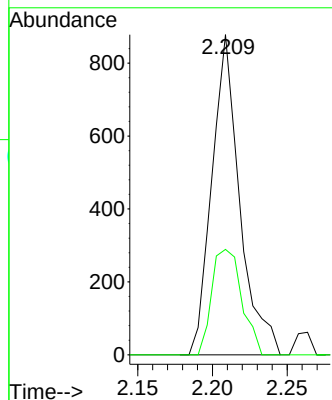
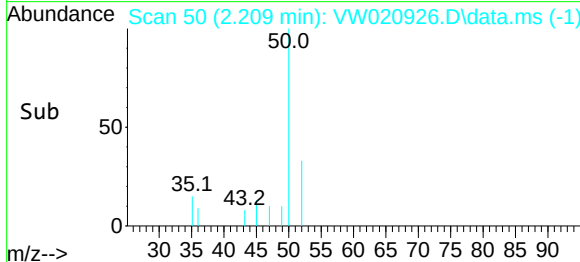
Instrument :
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ClientSampleId :
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Tgt Ion: 50 Resp: 1135
Ion Ratio Lower Upper
50 100
52 32.9 27.2 40.8

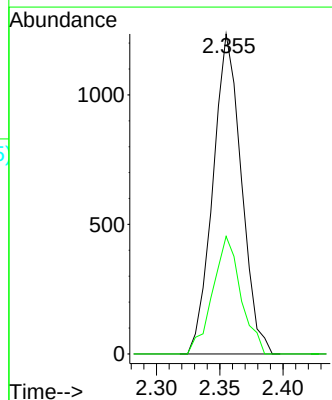
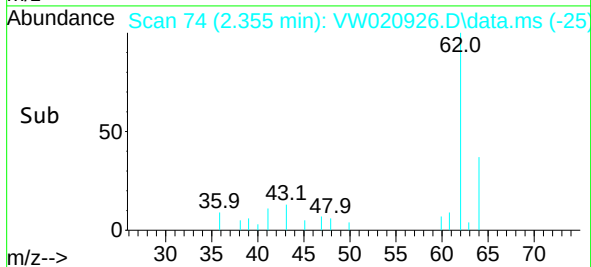
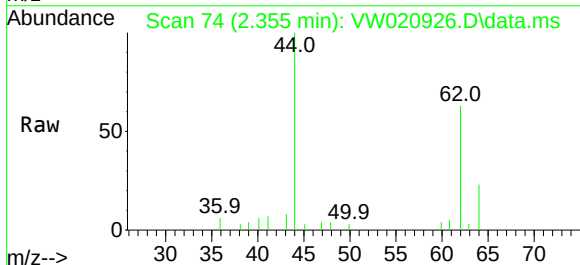
Manual Integrations
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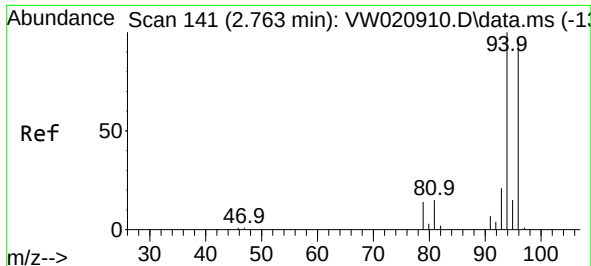
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#4
Vinyl Chloride
Concen: 2.225 ug/l
RT: 2.355 min Scan# 74
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

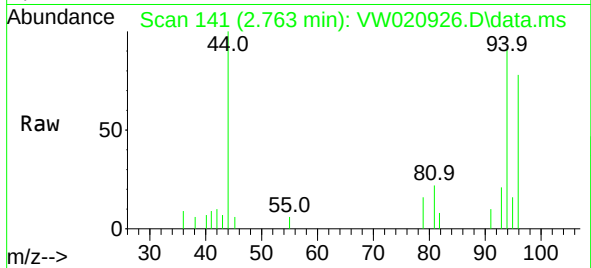
Tgt Ion: 62 Resp: 1928
Ion Ratio Lower Upper
62 100
64 36.8 26.2 39.4





#5
Bromomethane
Concen: 2.997 ug/l
RT: 2.763 min Scan# 141
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

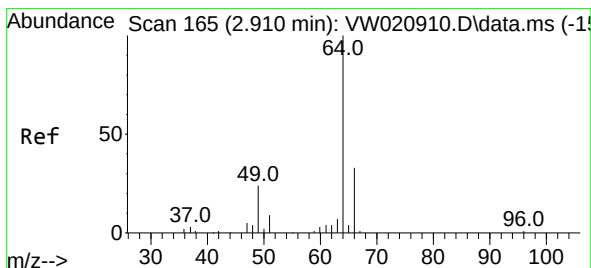
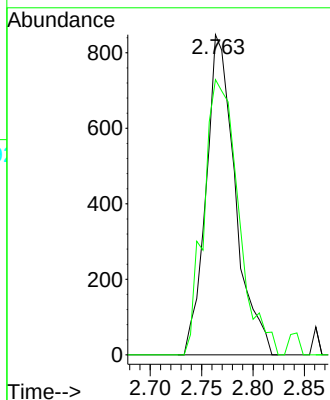
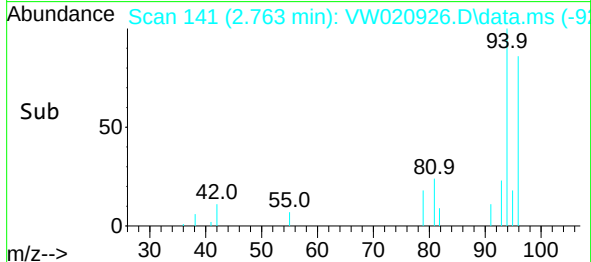
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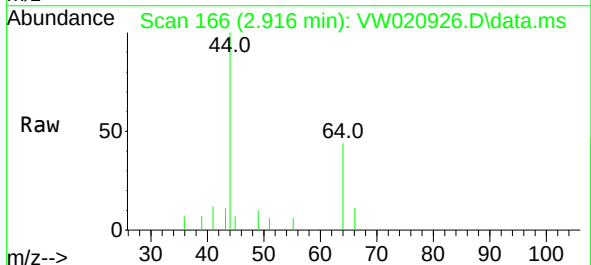
Tgt Ion: 94 Resp: 1672
Ion Ratio Lower Upper
94 100
96 86.0 76.4 114.6

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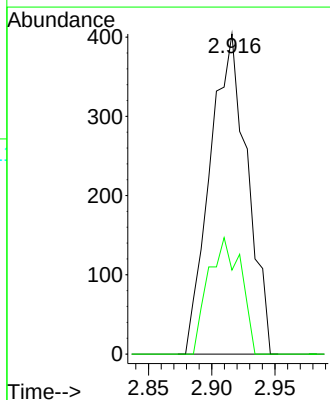
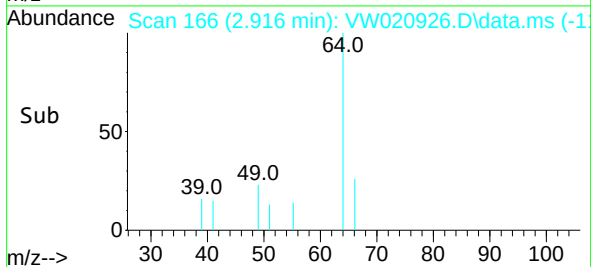
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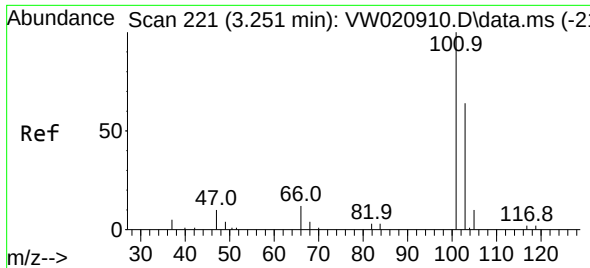


#6
Chloroethane
Concen: 2.479 ug/l
RT: 2.916 min Scan# 166
Delta R.T. 0.006 min
Lab File: VW020926.D
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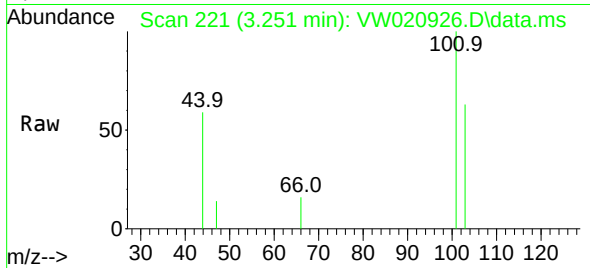
Tgt Ion: 64 Resp: 828
Ion Ratio Lower Upper
64 100
66 26.2 26.7 40.1#





#7
 Trichlorofluoromethane
 Concen: 2.969 ug/l
 RT: 3.251 min Scan# 211
 Delta R.T. 0.000 min
 Lab File: VW020926.D
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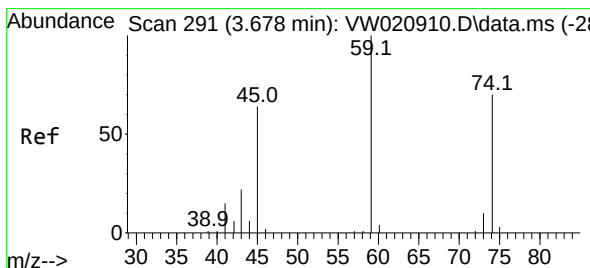
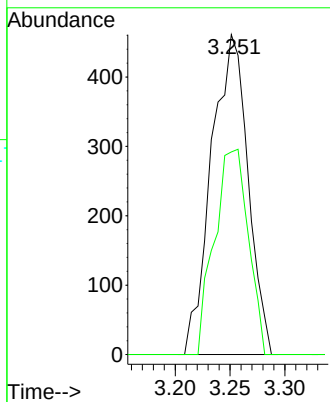
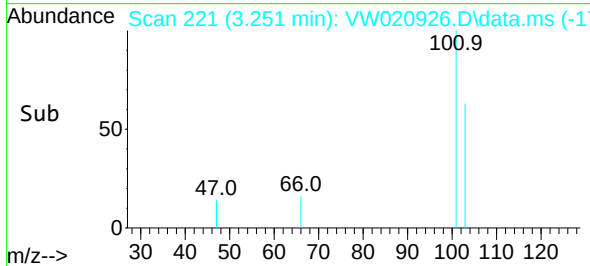
Instrument :
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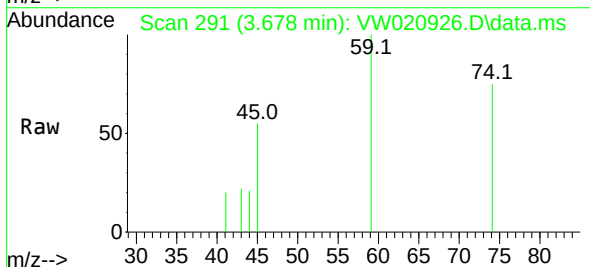
Tgt Ion:101 Resp: 106
 Ion Ratio Lower Upper
 101 100
 103 63.3 50.9 76.3

Manual Integrations
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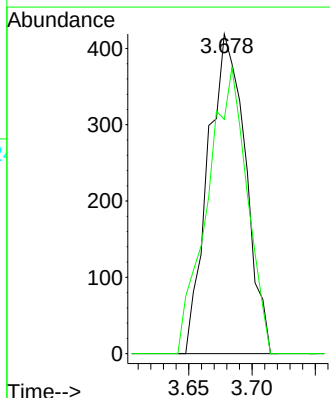
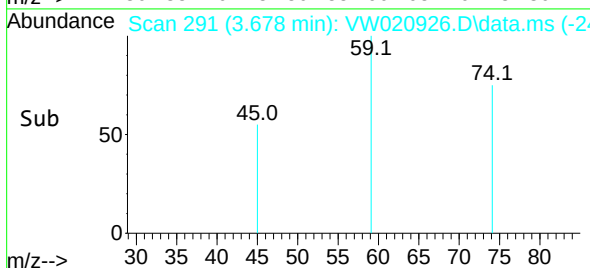
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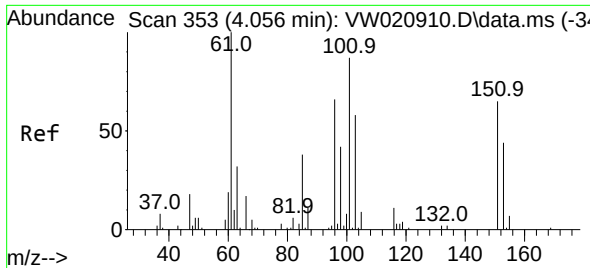


#8
 Diethyl Ether
 Concen: 2.278 ug/l
 RT: 3.678 min Scan# 291
 Delta R.T. 0.000 min
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Tgt Ion: 74 Resp: 860
 Ion Ratio Lower Upper
 74 100
 45 95.0 45.3 135.8





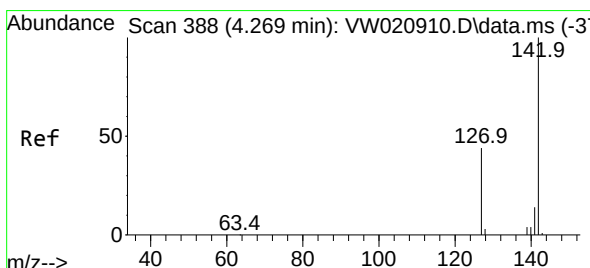
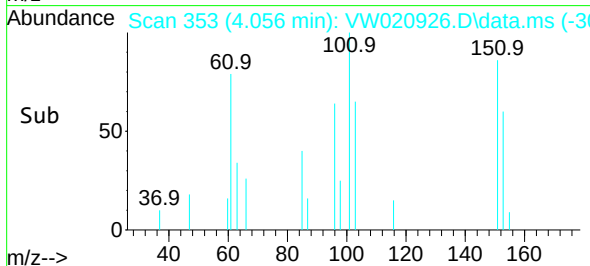
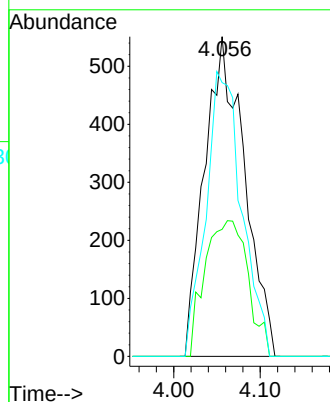
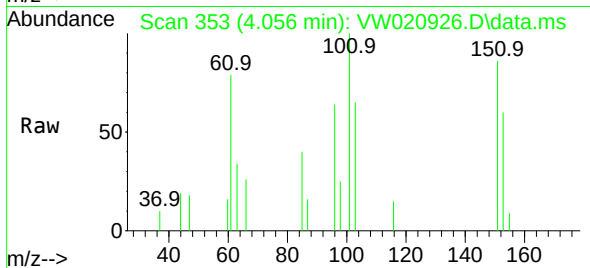
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.372 ug/l
RT: 4.056 min Scan# 353
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:101 Resp: 1759
Ion Ratio Lower Upper
101 100
85 45.8 36.6 54.8
151 80.3 66.3 99.5

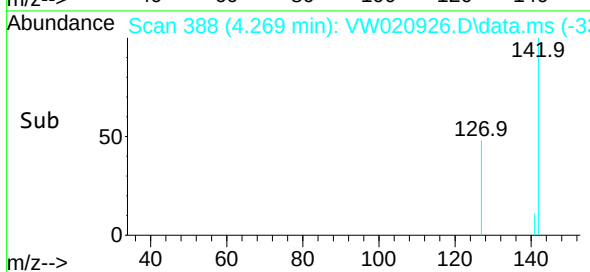
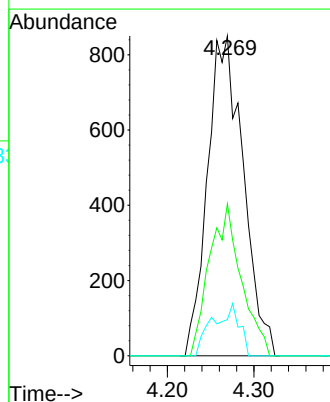
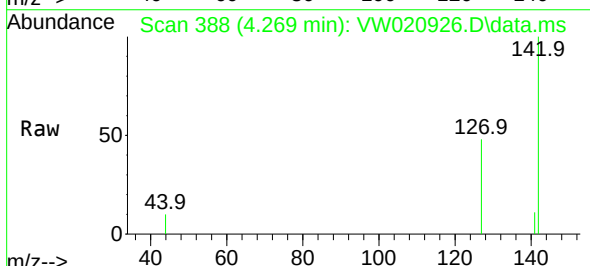
Manual Integrations
APPROVED

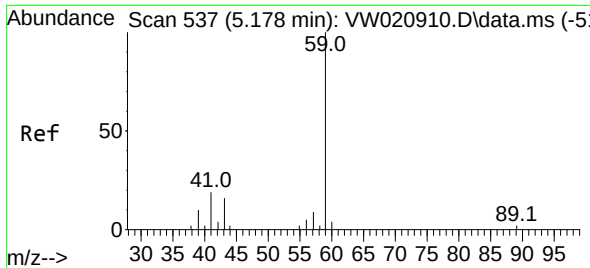
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#10
Methyl Iodide
Concen: 2.175 ug/l
RT: 4.269 min Scan# 388
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

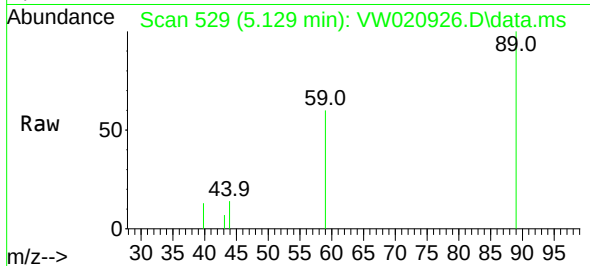
Tgt Ion:142 Resp: 2432
Ion Ratio Lower Upper
142 100
127 42.4 35.5 53.3
141 5.8 11.5 17.3#





#11
Tert butyl alcohol
Concen: 31.561 ug/l m
RT: 5.129 min Scan# 51
Delta R.T. -0.049 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

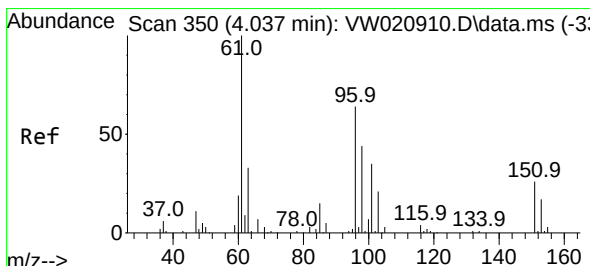
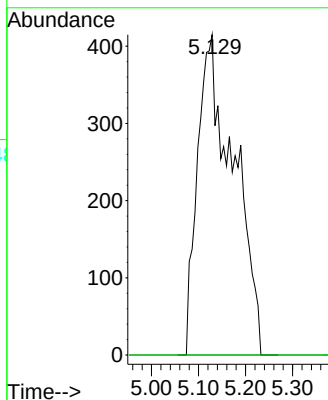
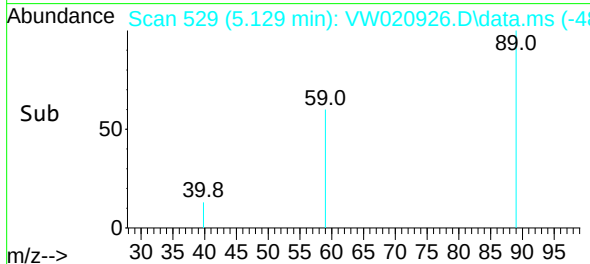
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



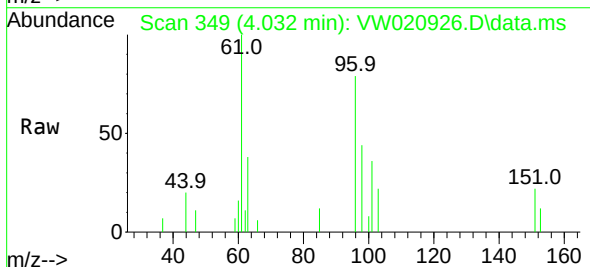
Tgt Ion: 59 Resp: 220
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5

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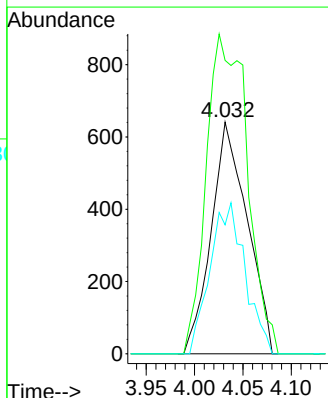
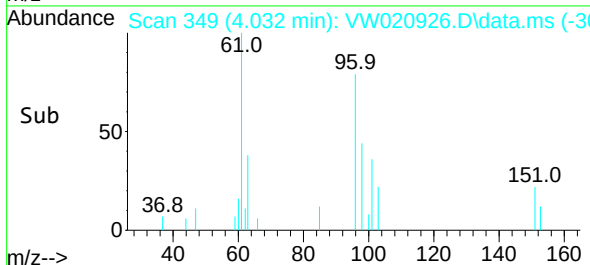
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

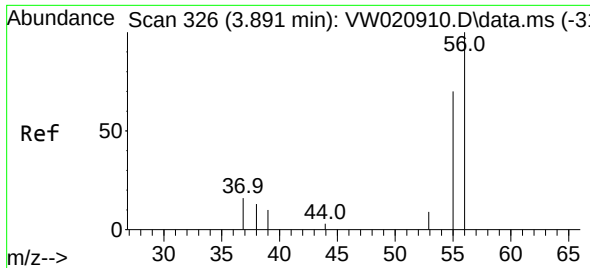


#12
1,1-Dichloroethene
Concen: 2.289 ug/l
RT: 4.032 min Scan# 349
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



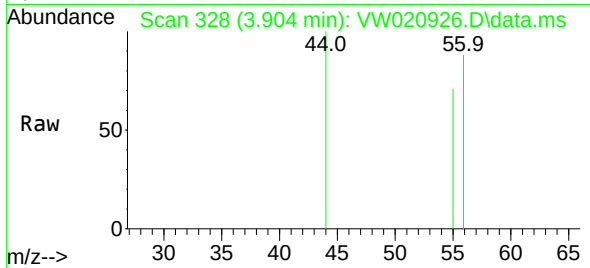
Tgt Ion: 96 Resp: 1663
Ion Ratio Lower Upper
96 100
61 126.7 124.4 186.6
98 55.7 54.2 81.2





#13
Acrolein
Concen: 7.789 ug/l m
RT: 3.904 min Scan# 31
Delta R.T. 0.013 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

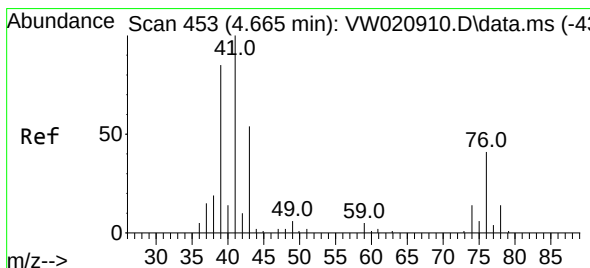
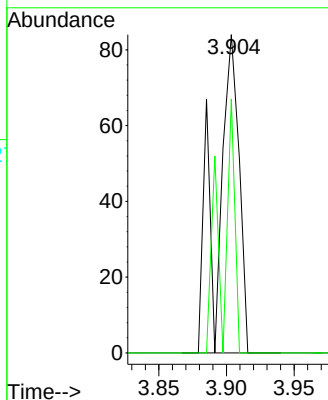
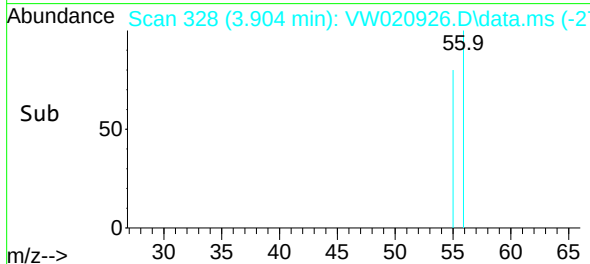
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 20.2 61.2 91.8

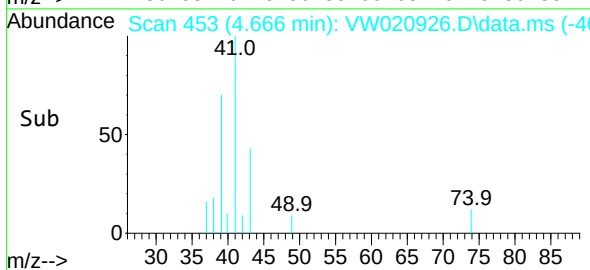
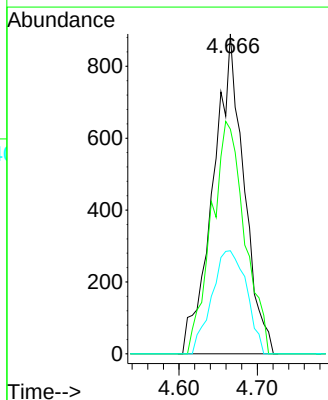
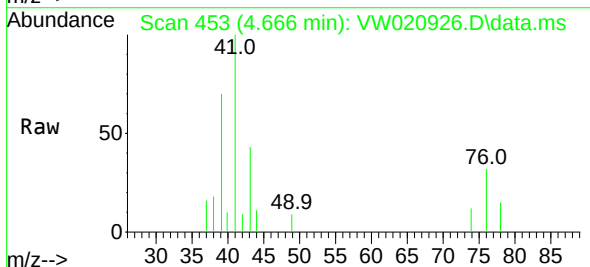
Manual Integrations
APPROVED

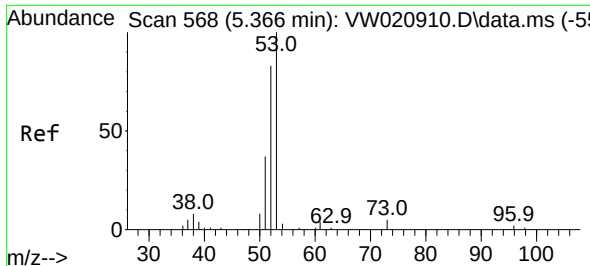
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#14
Allyl chloride
Concen: 2.325 ug/l
RT: 4.666 min Scan# 453
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

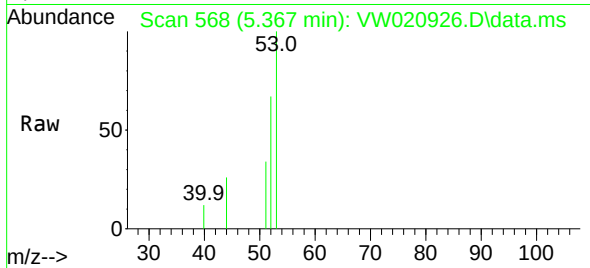
Tgt Ion: 41 Resp: 2425
Ion Ratio Lower Upper
41 100
39 79.0 63.4 95.2
76 36.3 32.2 48.4





#15
Acrylonitrile
Concen: 9.882 ug/l
RT: 5.367 min Scan# 50
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

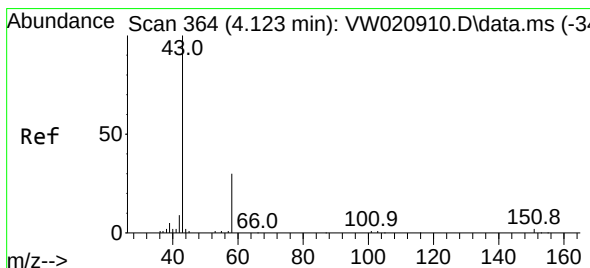
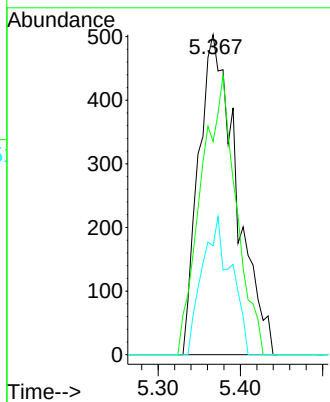
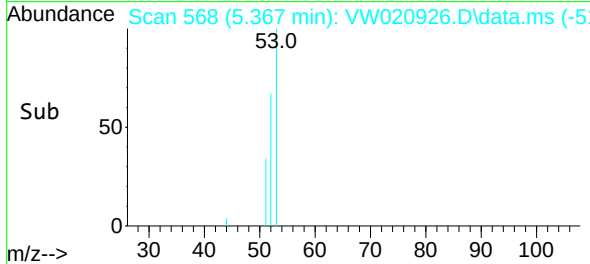
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 53 Resp: 1614
Ion Ratio Lower Upper
53 100
52 80.5 65.9 98.9
51 32.7 29.8 44.6

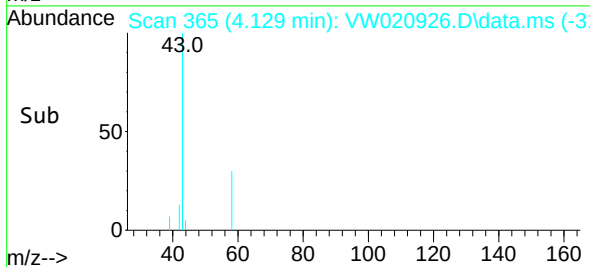
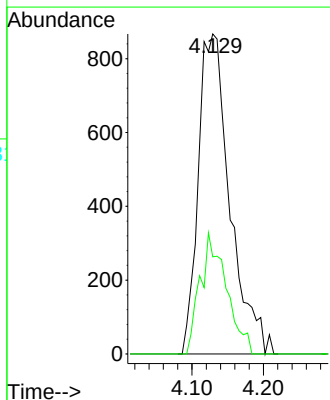
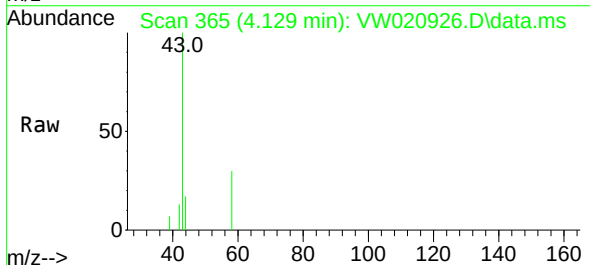
Manual Integrations
APPROVED

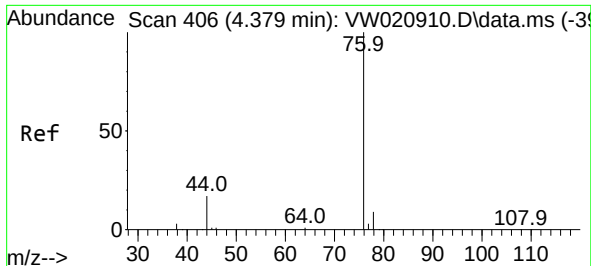
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#16
Acetone
Concen: 16.141 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

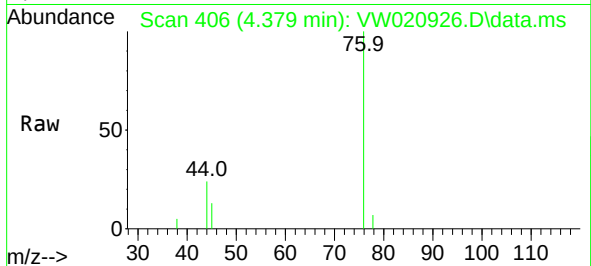
Tgt Ion: 43 Resp: 2657
Ion Ratio Lower Upper
43 100
58 30.3 24.2 36.2





#17
Carbon Disulfide
Concen: 2.188 ug/l
RT: 4.379 min Scan# 406
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

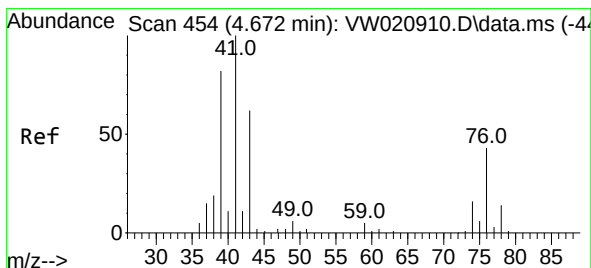
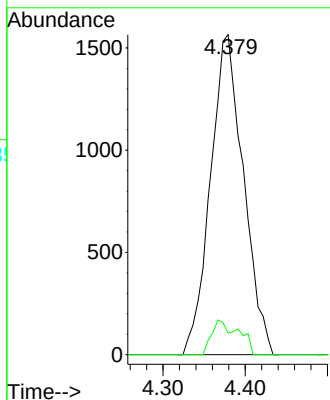
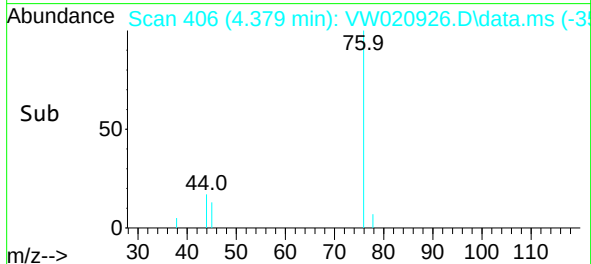
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



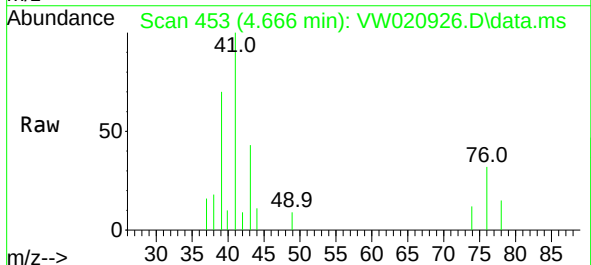
Tgt Ion: 76 Resp: 4368
Ion Ratio Lower Upper
76 100
78 6.8 7.3 10.9

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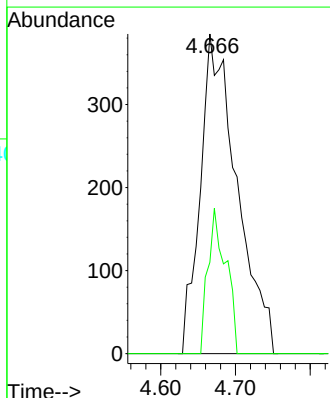
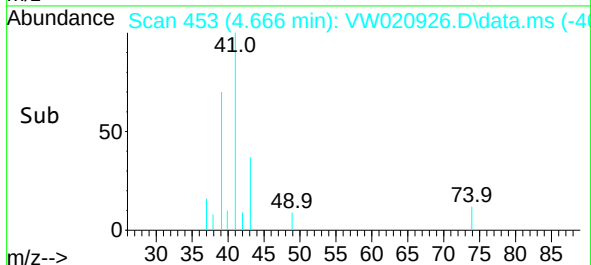
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

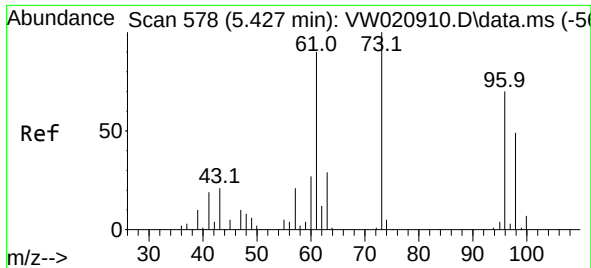


#18
Methyl Acetate
Concen: 2.282 ug/l
RT: 4.666 min Scan# 453
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



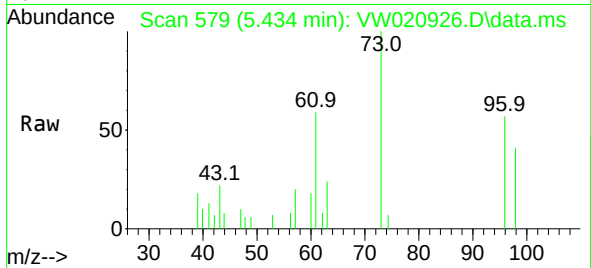
Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
74 22.3 19.7 29.5





#19
Methyl tert-butyl Ether
Concen: 2.268 ug/l
RT: 5.434 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

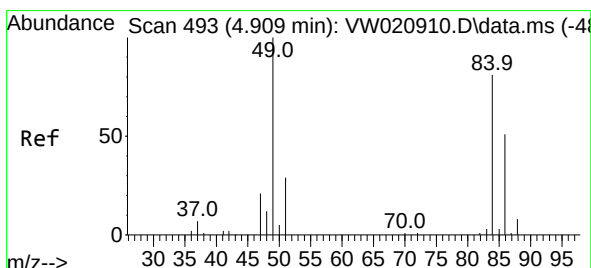
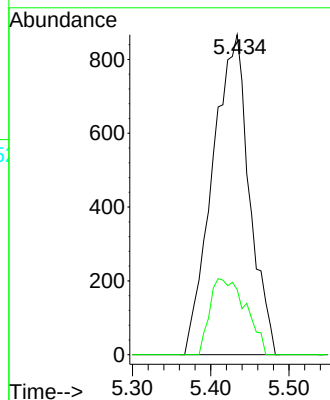
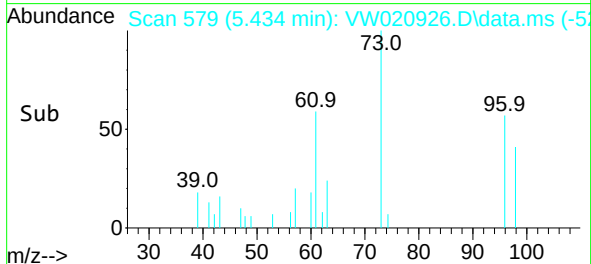
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 73 Resp: 2840
Ion Ratio Lower Upper
73 100
57 20.4 17.0 25.6

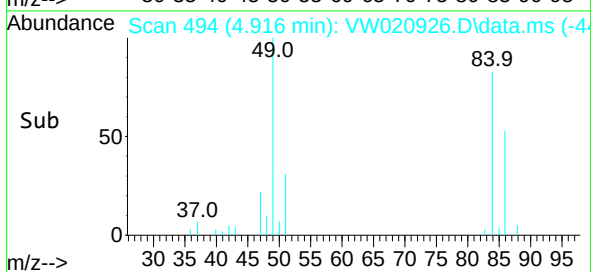
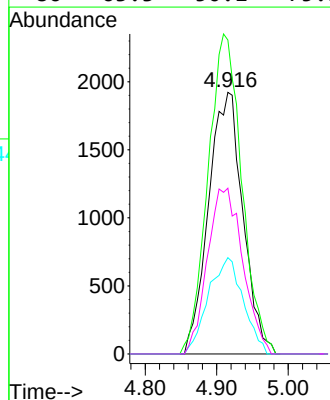
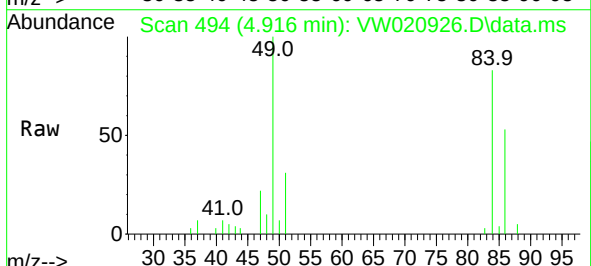
Manual Integrations
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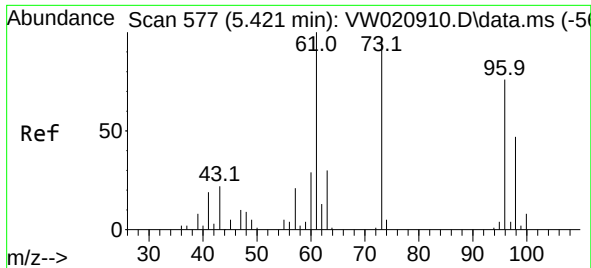
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#20
Methylene Chloride
Concen: 6.970 ug/l
RT: 4.916 min Scan# 494
Delta R.T. 0.007 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

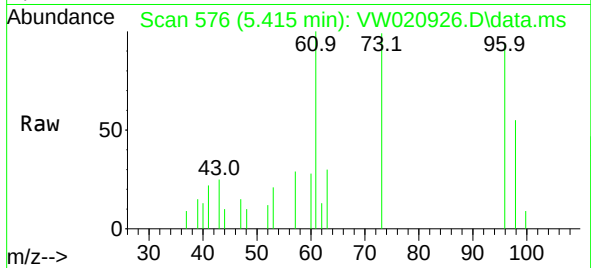
Tgt Ion: 84 Resp: 6409
Ion Ratio Lower Upper
84 100
49 120.0 99.1 148.7
51 36.8 28.8 43.2
86 63.3 50.1 75.1





#21
trans-1,2-Dichloroethene
Concen: 2.338 ug/l
RT: 5.415 min Scan# 51
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

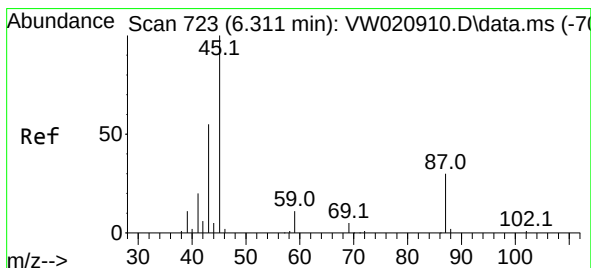
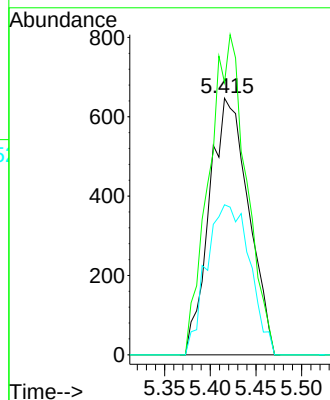
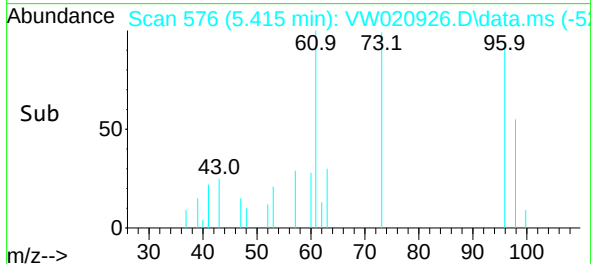
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 96 Resp: 1934
Ion Ratio Lower Upper
96 100
61 106.0 105.7 158.5
98 58.4 49.7 74.5

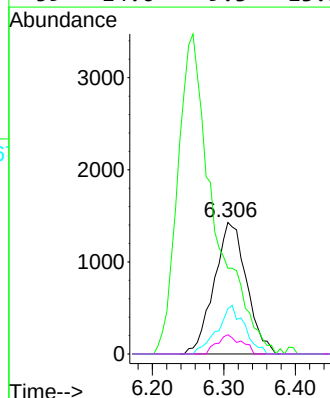
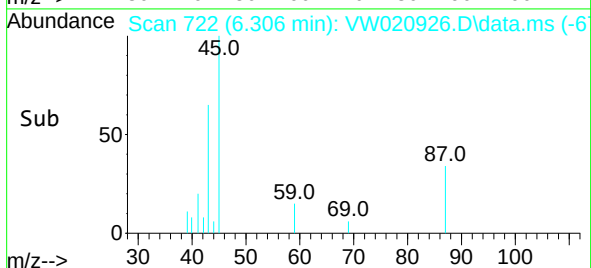
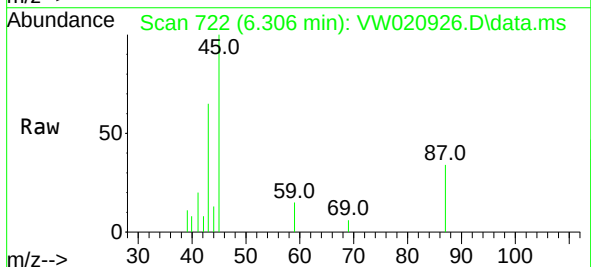
Manual Integrations
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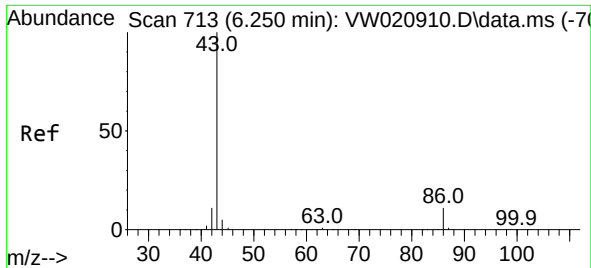
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#22
Diisopropyl ether
Concen: 2.104 ug/l
RT: 6.306 min Scan# 722
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Tgt Ion: 45 Resp: 4503
Ion Ratio Lower Upper
45 100
43 61.2 46.2 69.4
87 34.4 25.0 37.6
59 14.6 9.3 13.9





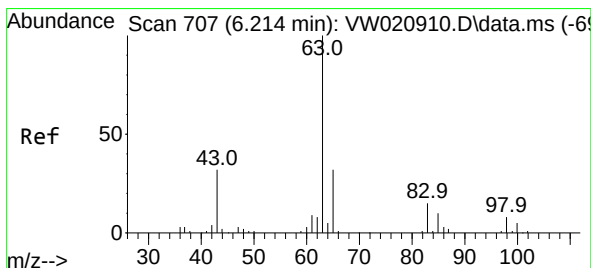
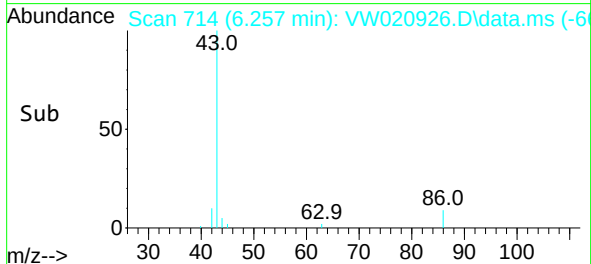
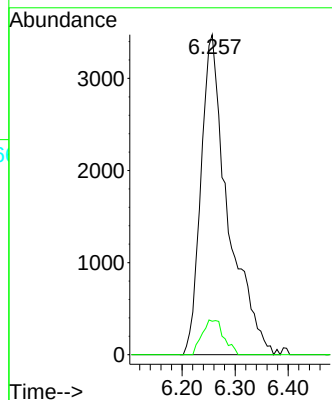
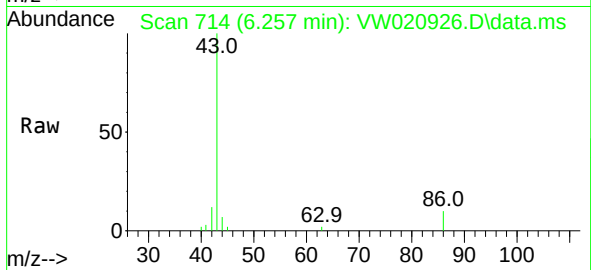
#23
 Vinyl Acetate
 Concen: 9.859 ug/l
 RT: 6.257 min Scan# 714
 Delta R.T. 0.006 min
 Lab File: VW020926.D
 Acq: 18 Nov 2021 14:32

Instrument : MSVOA_W
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 43 Resp: 12348
 Ion Ratio Lower Upper
 43 100
 86 10.4 9.2 13.8

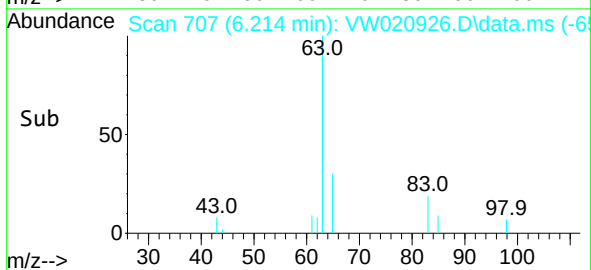
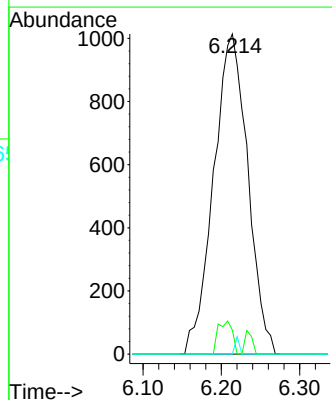
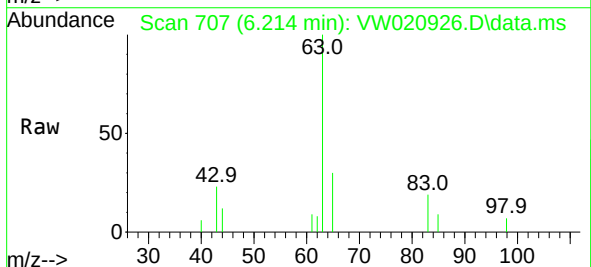
Manual Integrations
 APPROVED

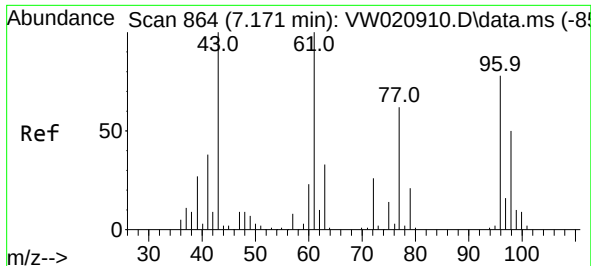
Reviewed By :Vimala Arumugam 11/19/2021
 Supervised By :Mahesh Dadoda 11/19/2021



#24
 1,1-Dichloroethane
 Concen: 2.257 ug/l
 RT: 6.214 min Scan# 707
 Delta R.T. 0.000 min
 Lab File: VW020926.D
 Acq: 18 Nov 2021 14:32

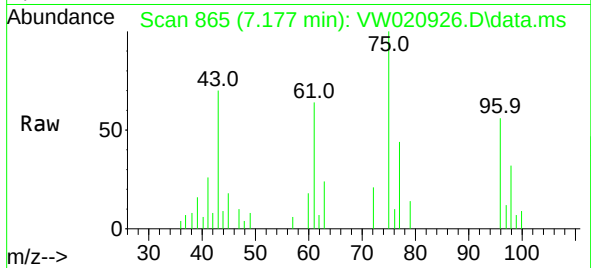
Tgt Ion: 63 Resp: 3074
 Ion Ratio Lower Upper
 63 100
 98 7.5 4.0 12.2
 100 0.0 2.6 8.0





#25
2-Butanone
Concen: 12.926 ug/l
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

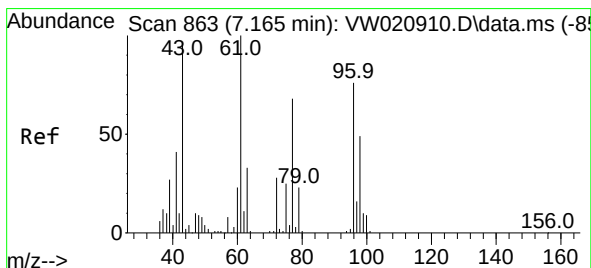
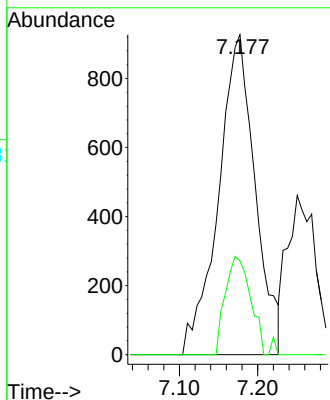
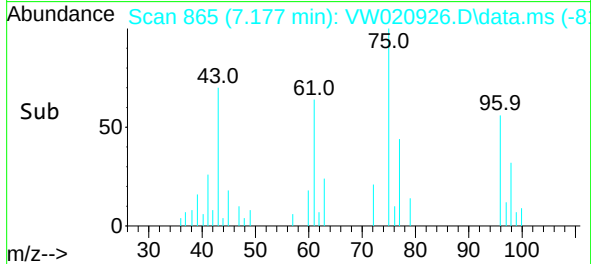
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 43 Resp: 302
Ion Ratio Lower Upper
43 100
72 29.2 20.7 31.1

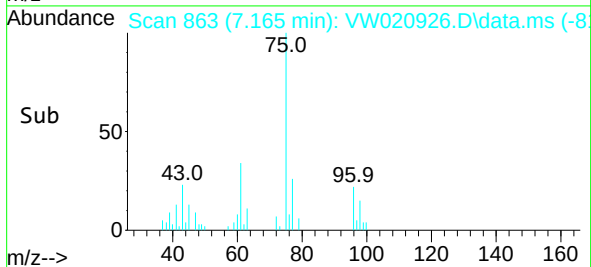
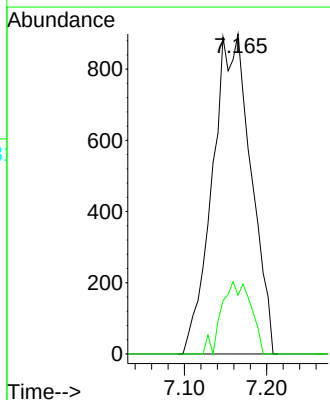
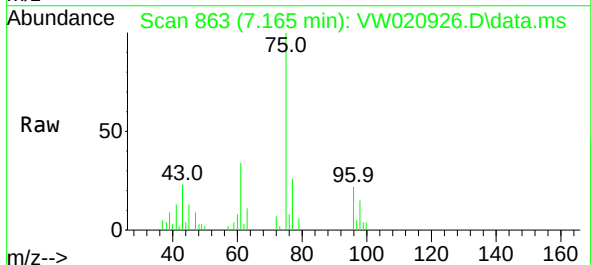
Manual Integrations
APPROVED

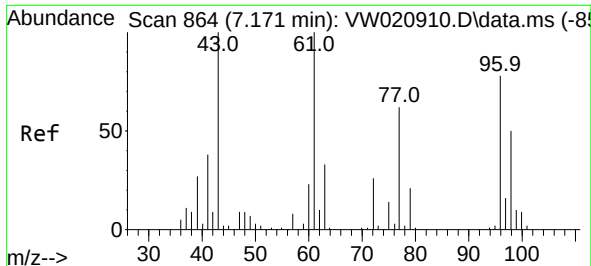
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#26
2,2-Dichloropropane
Concen: 3.035 ug/l
RT: 7.165 min Scan# 863
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

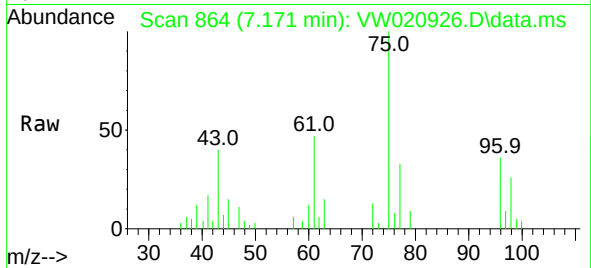
Tgt Ion: 77 Resp: 2932
Ion Ratio Lower Upper
77 100
97 17.2 11.7 35.1





#27
cis-1,2-Dichloroethene
Concen: 2.228 ug/l
RT: 7.171 min Scan# 864
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

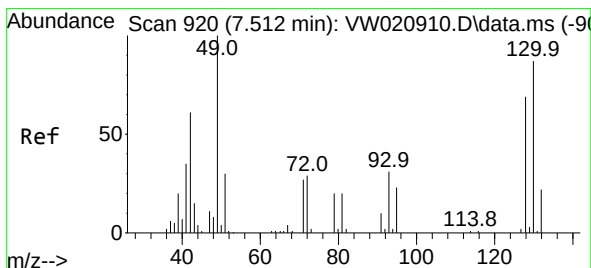
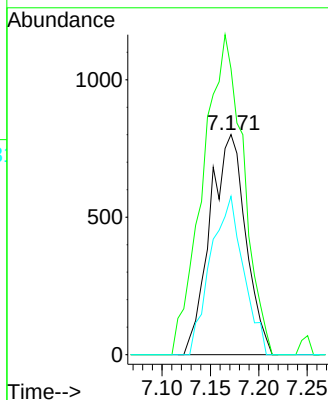
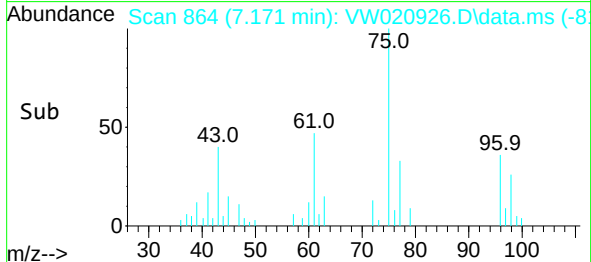
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 96 Resp: 2059
Ion Ratio Lower Upper
96 100
61 164.7 0.0 266.6
98 66.2 0.0 129.4

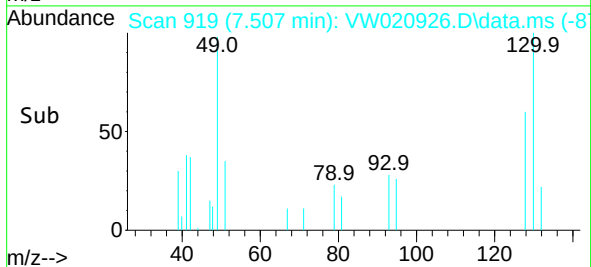
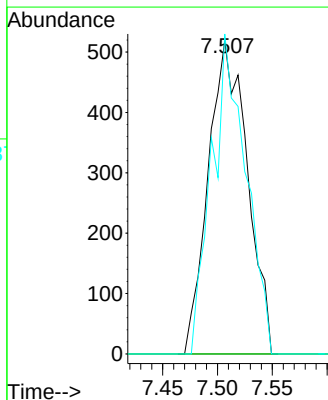
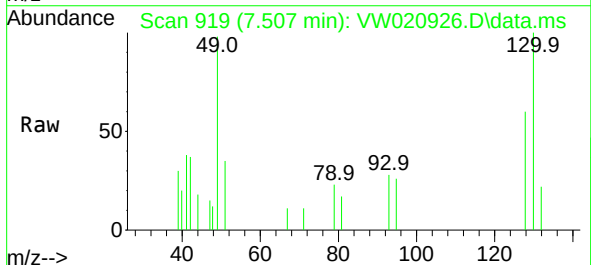
Manual Integrations
APPROVED

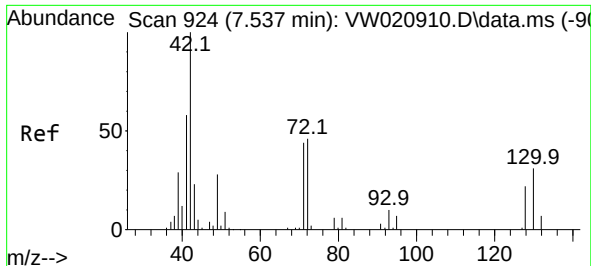
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#28
Bromochloromethane
Concen: 2.223 ug/l
RT: 7.507 min Scan# 919
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Tgt Ion: 49 Resp: 1281
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 90.1 70.8 106.2





#29

Tetrahydrofuran

Concen: 10.424 ug/l

RT: 7.537 min Scan# 91

Delta R.T. 0.000 min

Lab File: VW020926.D

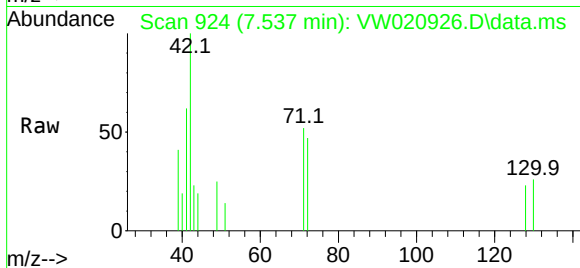
Acq: 18 Nov 2021 14:32

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

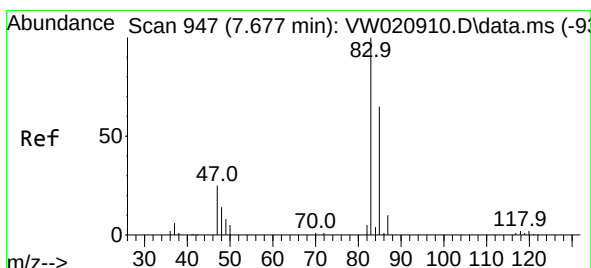
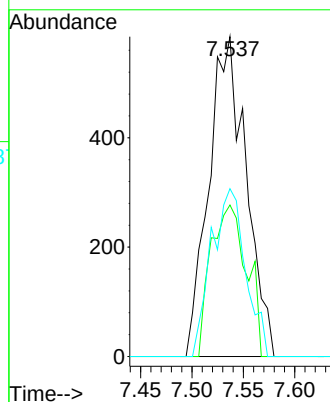


Tgt Ion:	42	Resp:	1478
Ion	Ratio	Lower	Upper
42	100		
72	45.3	37.4	56.0
71	48.0	34.7	52.1

Manual Integrations

APPROVED

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



#30

Chloroform

Concen: 2.219 ug/l

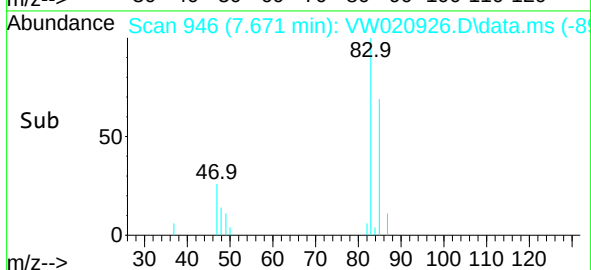
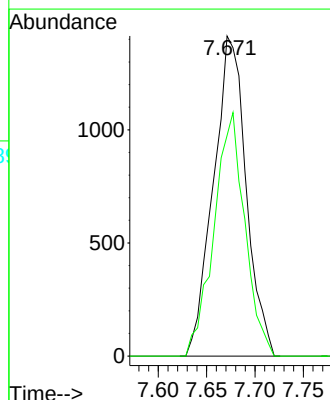
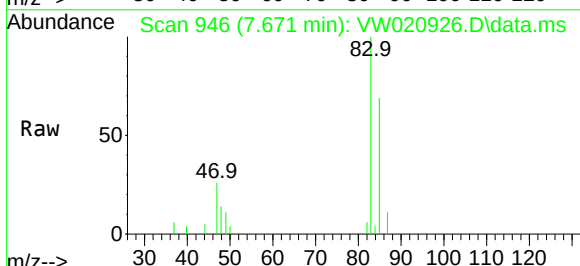
RT: 7.671 min Scan# 946

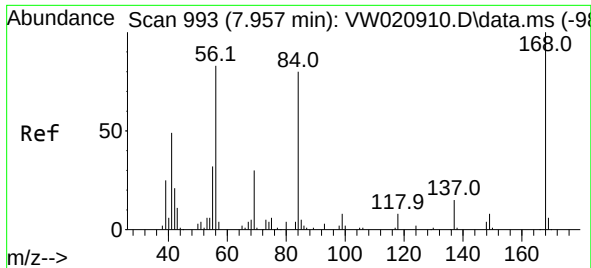
Delta R.T. -0.006 min

Lab File: VW020926.D

Acq: 18 Nov 2021 14:32

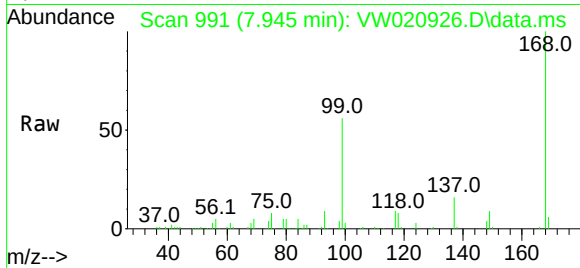
Tgt Ion:	83	Resp:	3324
Ion	Ratio	Lower	Upper
83	100		
85	68.9	51.7	77.5





#31
Cyclohexane
Concen: 3.433 ug/l
RT: 7.945 min Scan# 991
Delta R.T. -0.012 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

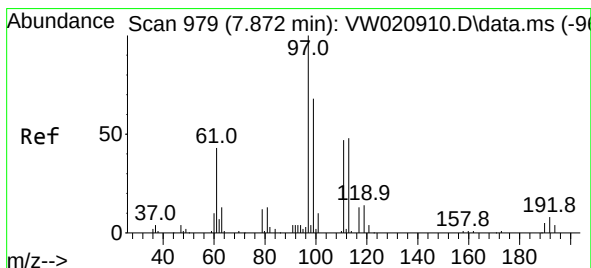
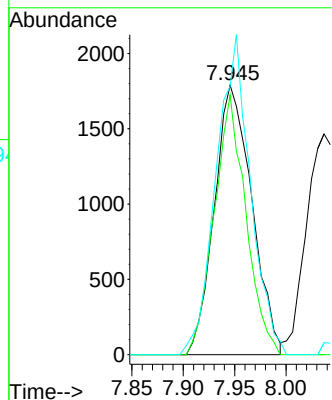
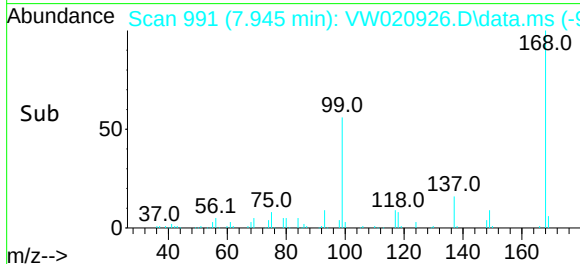
Instrument : MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 56 Resp: 4530
Ion Ratio Lower Upper
56 100
69 96.4 28.7 43.1
84 99.6 77.6 116.4

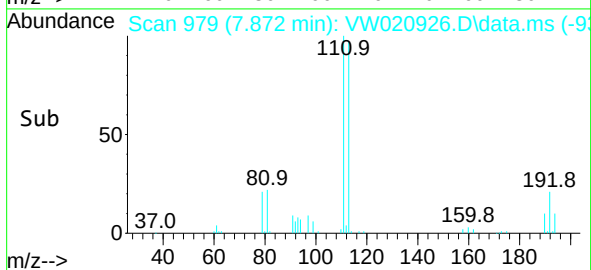
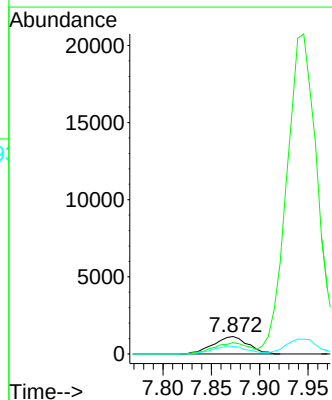
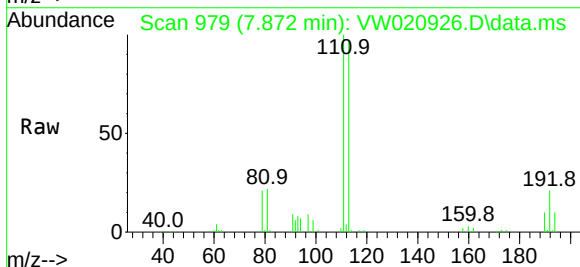
Manual Integrations
APPROVED

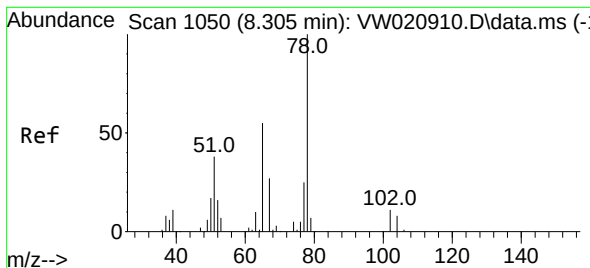
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#32
1,1,1-Trichloroethane
Concen: 2.221 ug/l
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

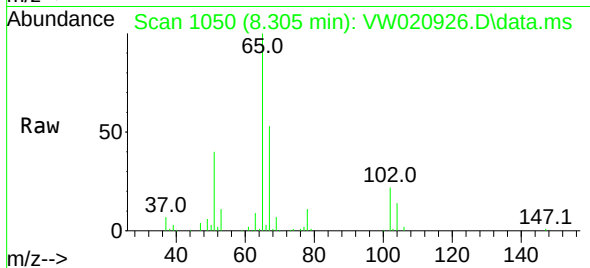
Tgt Ion: 97 Resp: 2810
Ion Ratio Lower Upper
97 100
99 65.8 52.0 78.0
61 45.4 34.2 51.2





#33
1,2-Dichloroethane-d4
Concen: 45.842 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

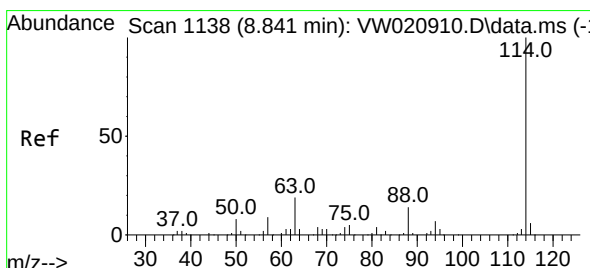
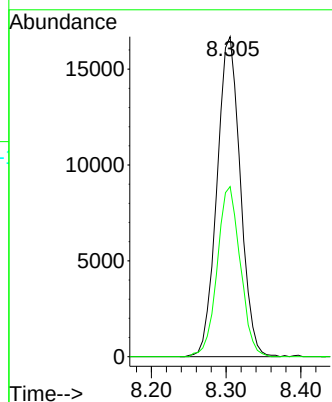
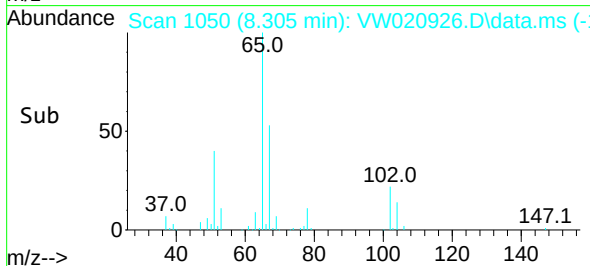
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



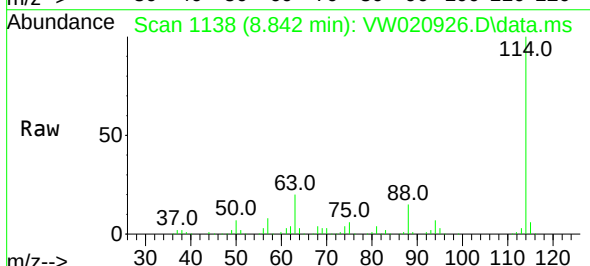
Tgt Ion: 65 Resp: 3630
Ion Ratio Lower Upper
65 100
67 52.5 0.0 100.2

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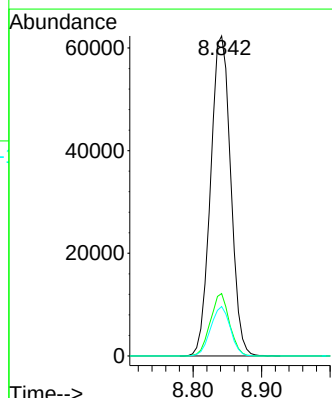
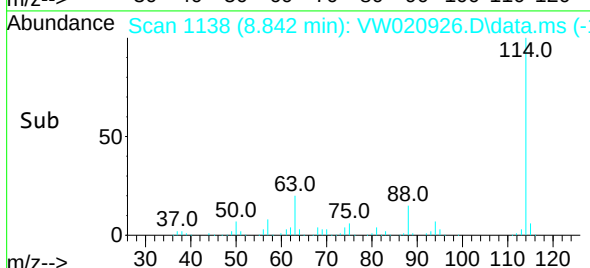
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

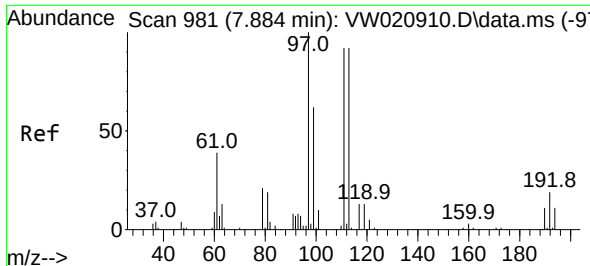


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.842 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



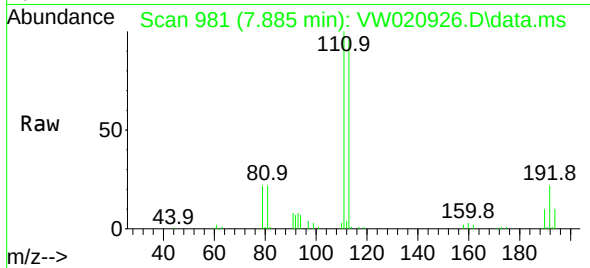
Tgt Ion:114 Resp: 126871
Ion Ratio Lower Upper
114 100
63 19.5 0.0 37.2
88 15.5 0.0 28.8





#35
Dibromofluoromethane
Concen: 46.932 ug/l
RT: 7.885 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

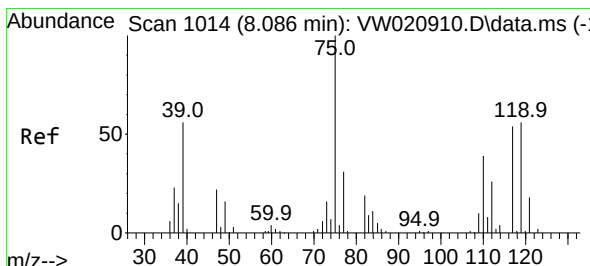
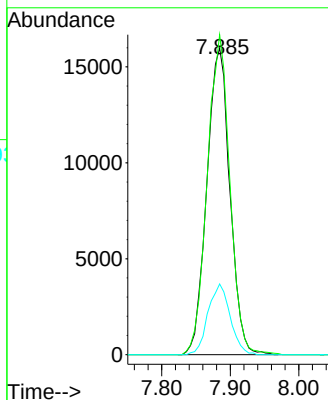
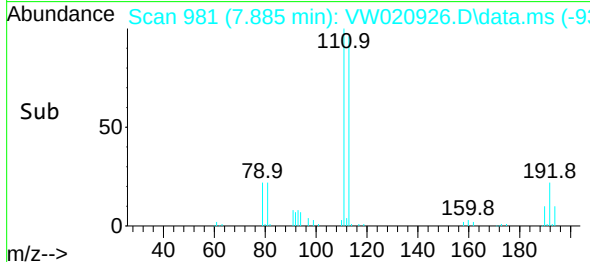
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



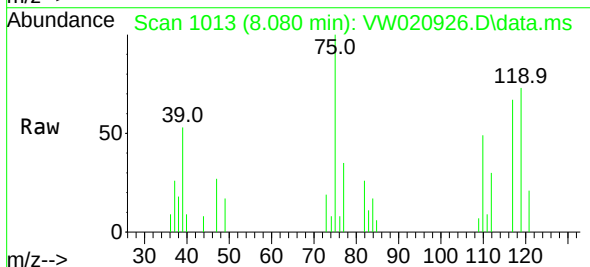
Tgt Ion: 113 Resp: 37349
Ion Ratio Lower Upper
113 100
111 102.3 81.2 121.8
192 22.1 16.8 25.2

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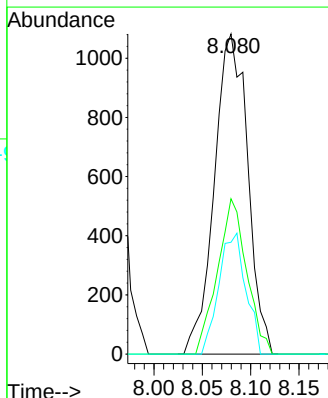
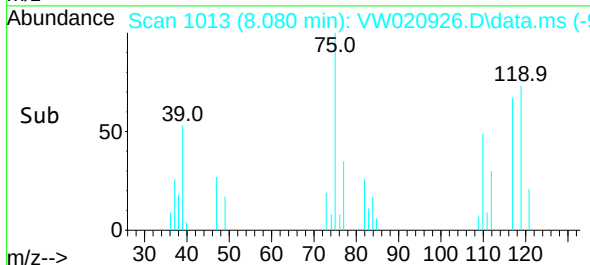
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

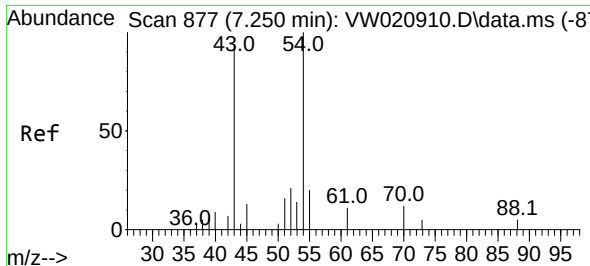


#36
1,1-Dichloropropene
Concen: 2.271 ug/l
RT: 8.080 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



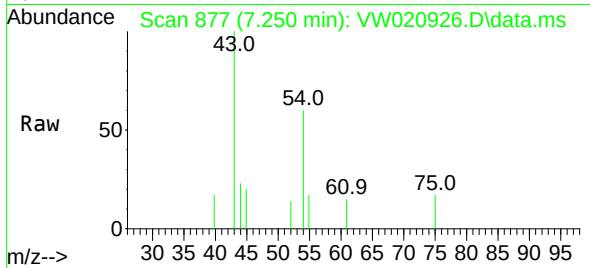
Tgt Ion: 75 Resp: 2588
Ion Ratio Lower Upper
75 100
110 42.6 19.1 57.5
77 30.6 24.8 37.2





#37
Ethyl Acetate
Concen: 2.435 ug/l
RT: 7.250 min Scan# 877
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

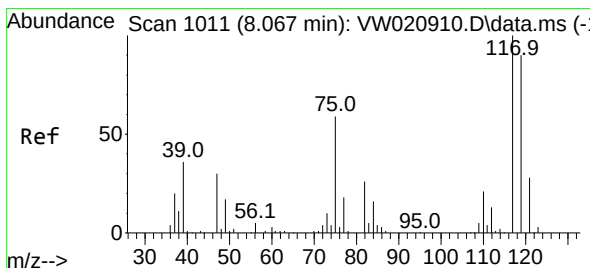
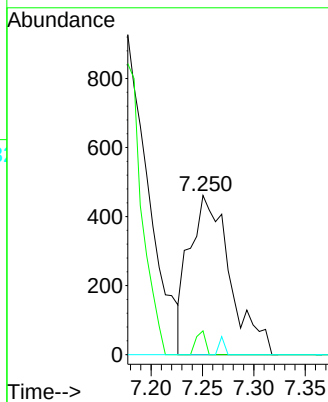
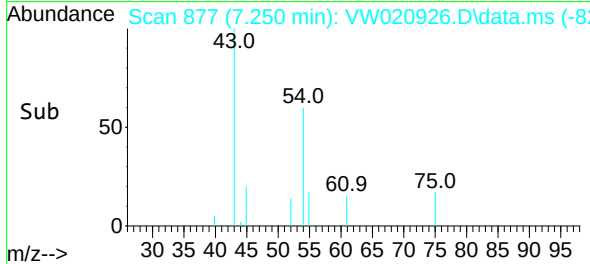
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 43 Resp: 1260
Ion Ratio Lower Upper
43 100
61 0.0 11.3 16.9
70 1.5 9.2 13.8

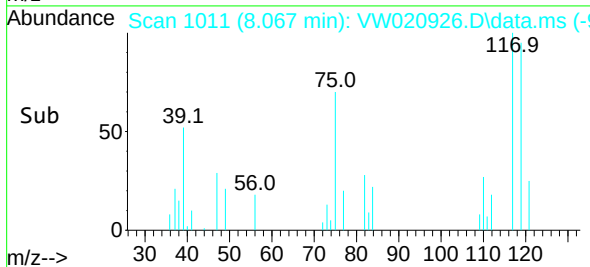
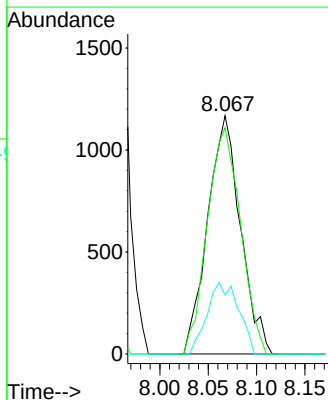
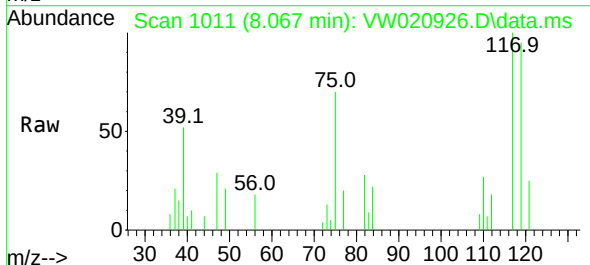
Manual Integrations
APPROVED

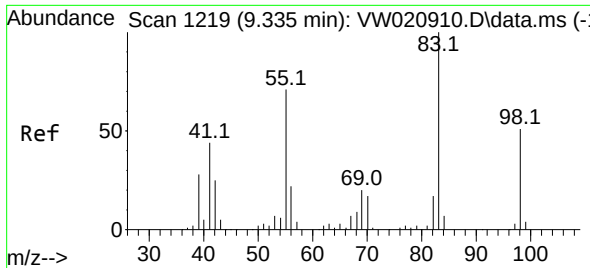
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#38
Carbon Tetrachloride
Concen: 2.276 ug/l
RT: 8.067 min Scan# 1011
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

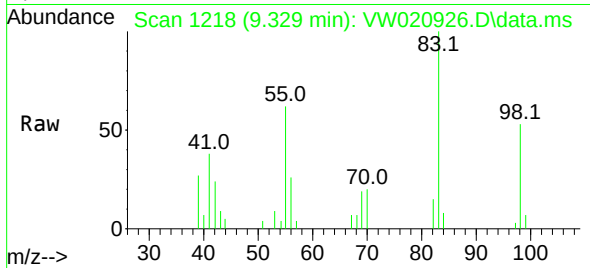
Tgt Ion:117 Resp: 2760
Ion Ratio Lower Upper
117 100
119 94.9 72.0 108.0
121 24.7 22.6 33.8





#39
Methylcyclohexane
Concen: 2.421 ug/l
RT: 9.329 min Scan# 1219
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

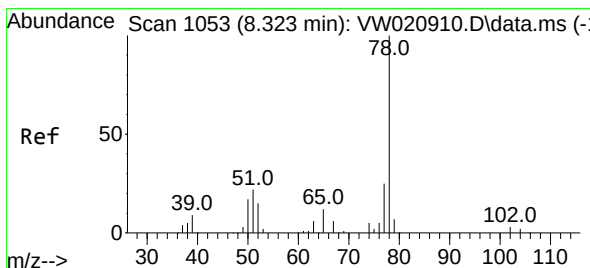
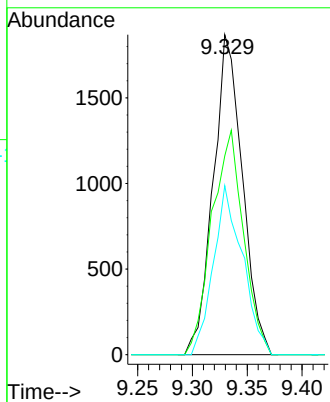
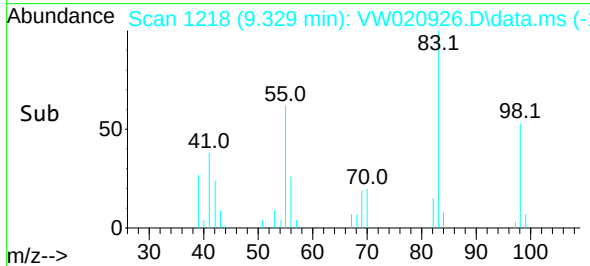
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 83 Resp: 3464
Ion Ratio Lower Upper
83 100
55 62.1 56.6 85.0
98 52.8 41.0 61.4

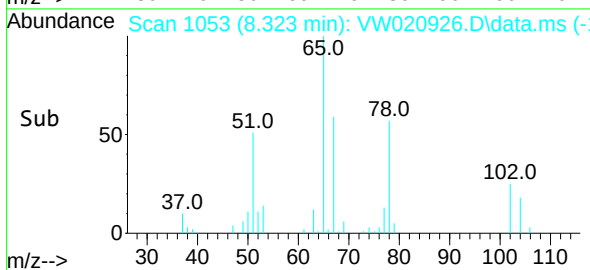
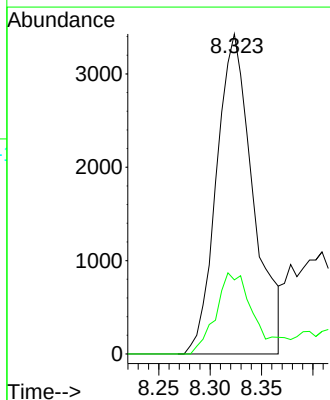
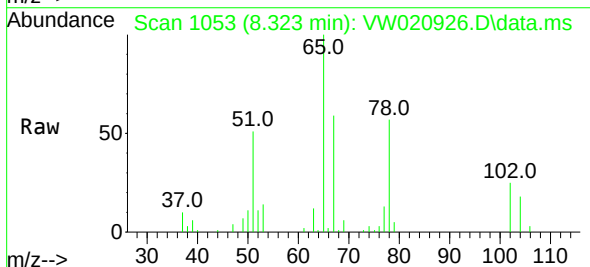
Manual Integrations
APPROVED

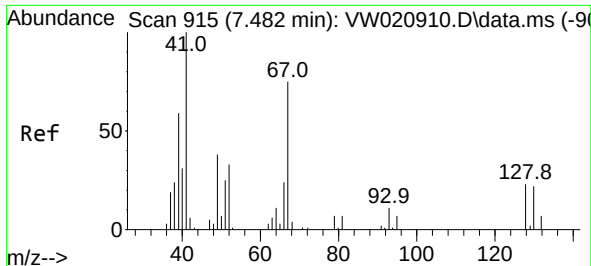
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#40
Benzene
Concen: 2.621 ug/l
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

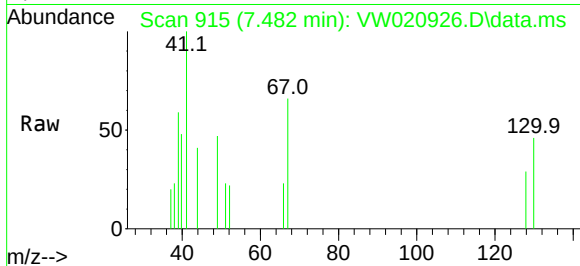
Tgt Ion: 78 Resp: 8516
Ion Ratio Lower Upper
78 100
77 23.1 20.0 30.0





#41
Methacrylonitrile
Concen: 1.692 ug/l
RT: 7.482 min Scan# 915
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

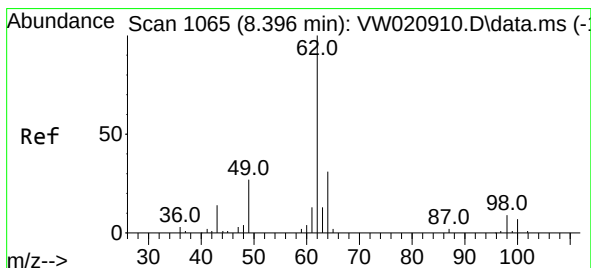
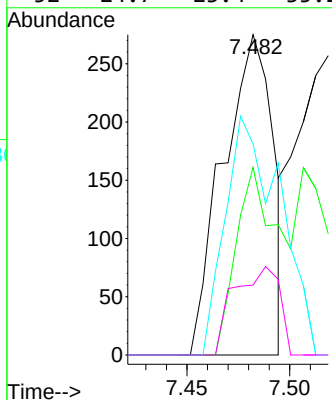
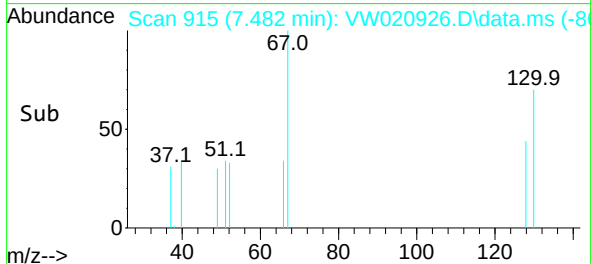
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



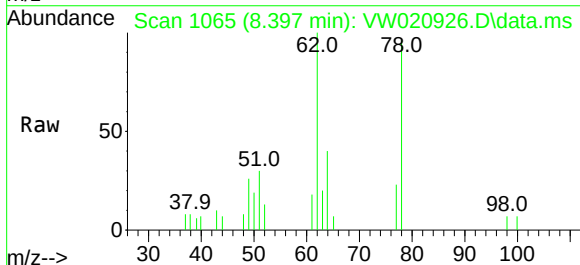
Tgt Ion: 41 Resp: 469
Ion Ratio Lower Upper
41 100
39 50.5 42.9 64.3
67 80.8 56.2 84.4
52 24.7 23.4 35.2

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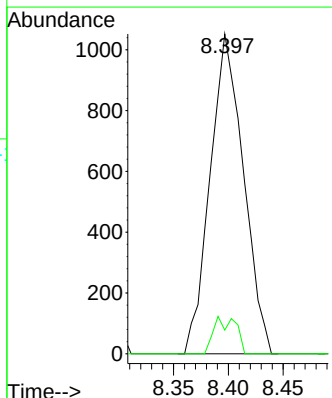
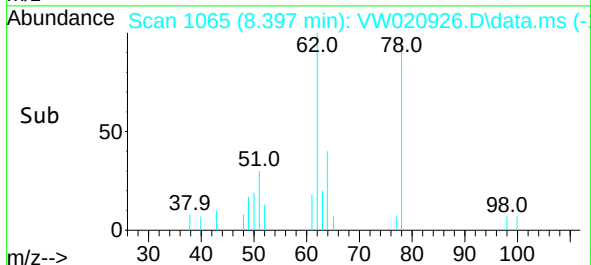
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

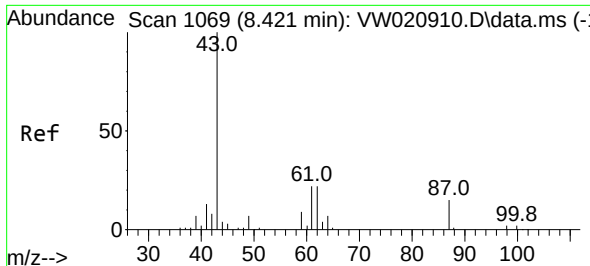


#42
1,2-Dichloroethane
Concen: 2.259 ug/l
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



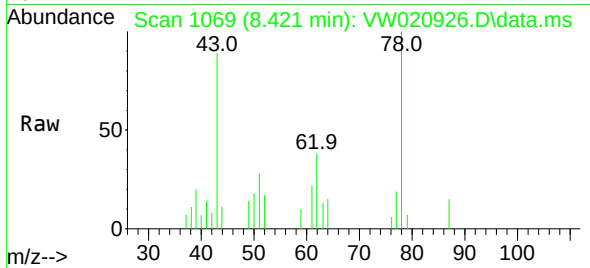
Tgt Ion: 62 Resp: 2227
Ion Ratio Lower Upper
62 100
98 7.7 0.0 19.0





#43
Isopropyl Acetate
Concen: 1.884 ug/l
RT: 8.421 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

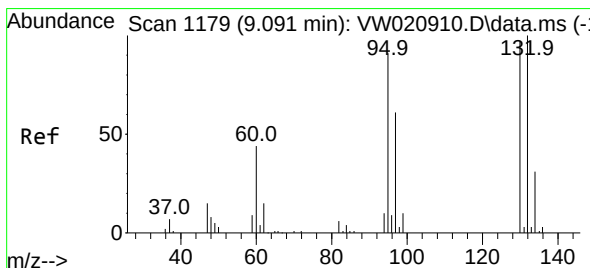
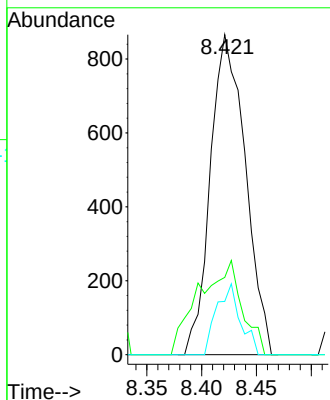
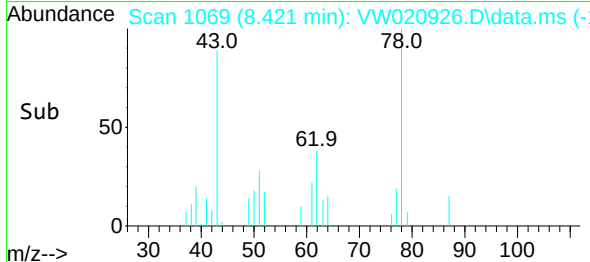
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



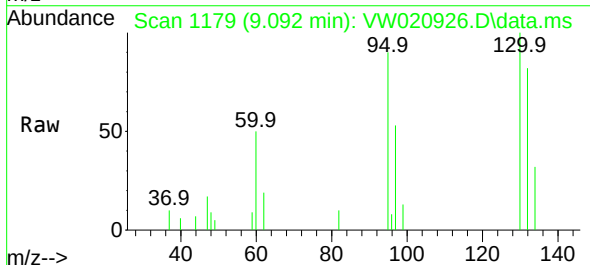
Tgt Ion: 43 Resp: 192
Ion Ratio Lower Upper
43 100
61 36.3 23.7 35.5
87 15.0 11.5 17.3

Manual Integrations
APPROVED

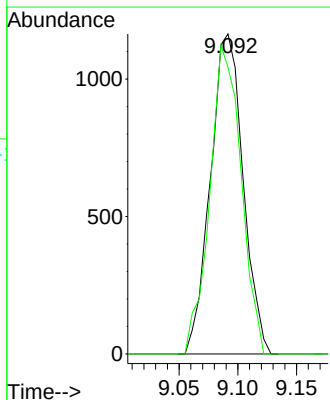
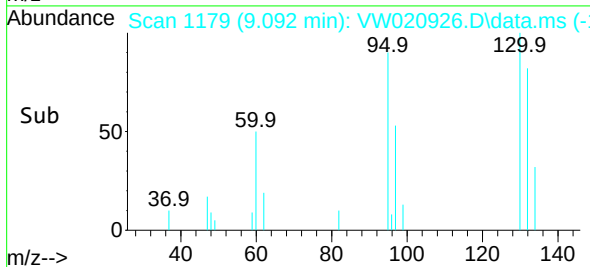
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

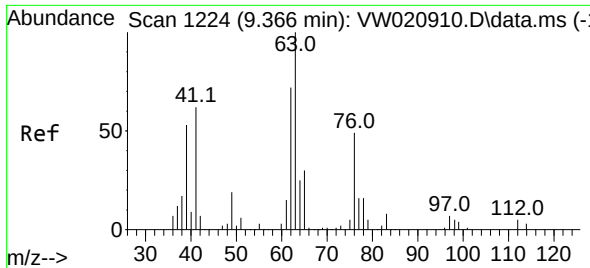


#44
Trichloroethene
Concen: 2.374 ug/l
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



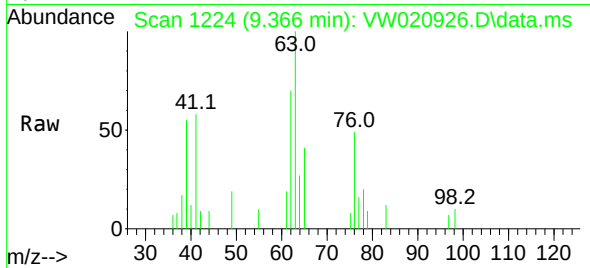
Tgt Ion:130 Resp: 2251
Ion Ratio Lower Upper
130 100
95 89.6 0.0 186.6





#45
1,2-Dichloropropane
Concen: 2.095 ug/l
RT: 9.366 min Scan# 1224
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

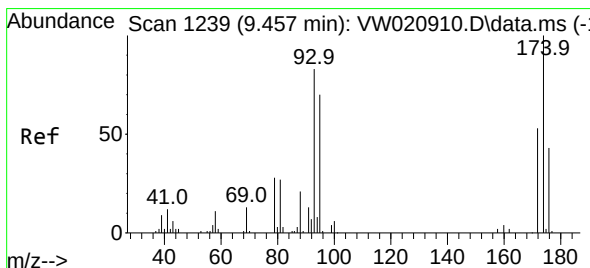
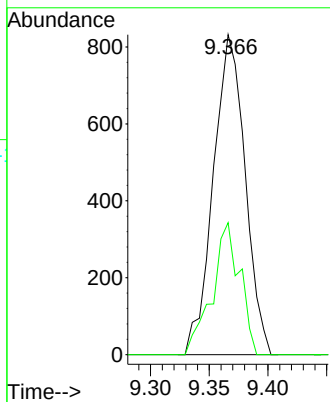
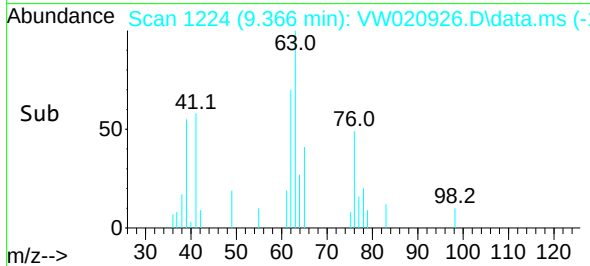
Instrument : MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



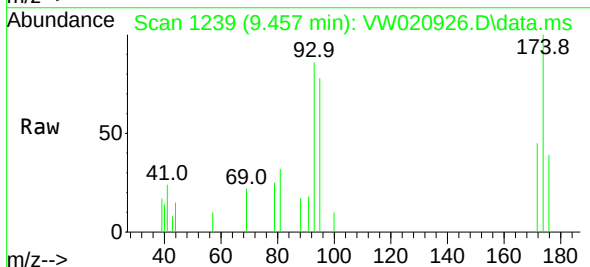
Tgt Ion: 63 Resp: 1568
Ion Ratio Lower Upper
63 100
65 41.2 23.8 35.6

Manual Integrations
APPROVED

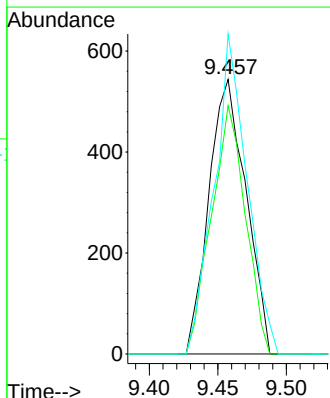
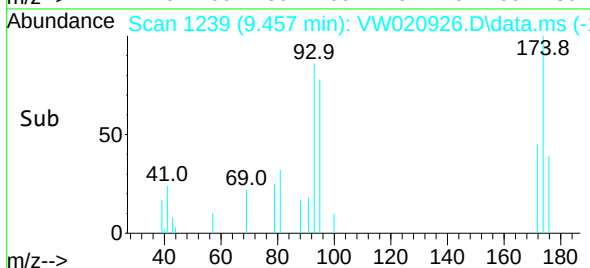
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

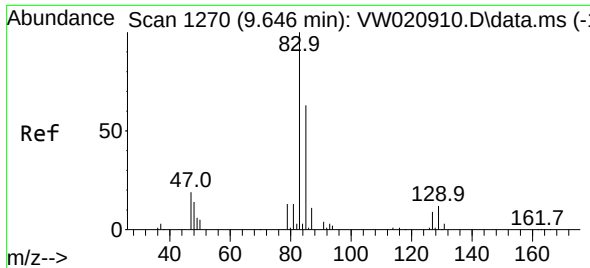


#46
Dibromomethane
Concen: 2.160 ug/l
RT: 9.457 min Scan# 1239
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



Tgt Ion: 93 Resp: 1024
Ion Ratio Lower Upper
93 100
95 82.7 66.6 100.0
174 104.2 91.1 136.7





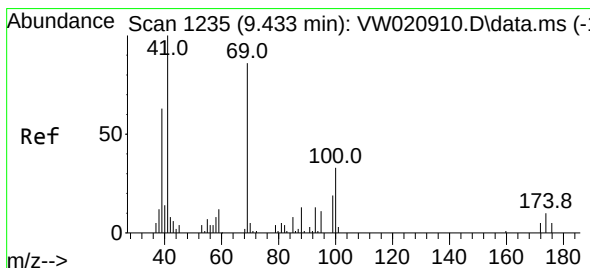
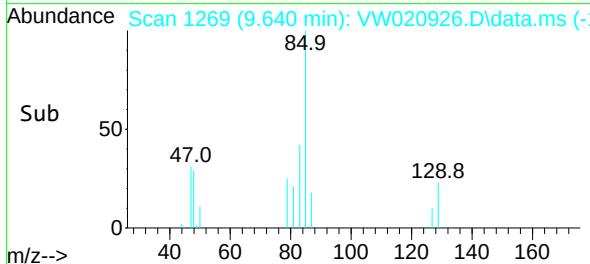
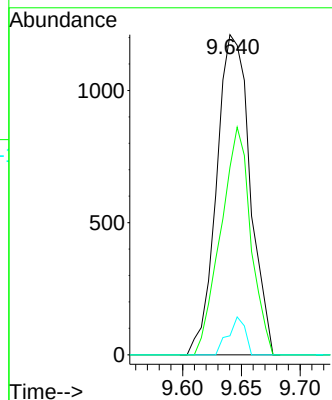
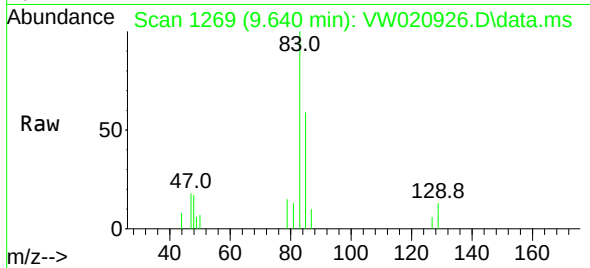
#47
Bromodichloromethane
Concen: 2.139 ug/l
RT: 9.640 min Scan# 1270
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 83 Resp: 2400
Ion Ratio Lower Upper
83 100
85 58.5 50.3 75.5
127 5.9 7.1 10.7

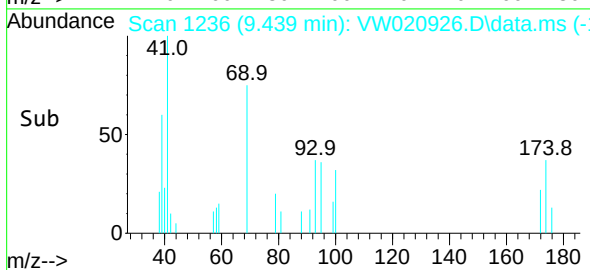
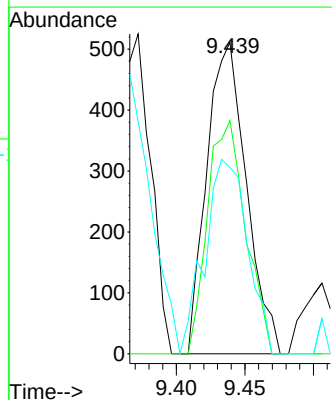
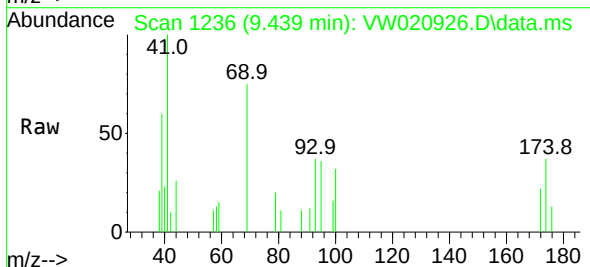
Manual Integrations
APPROVED

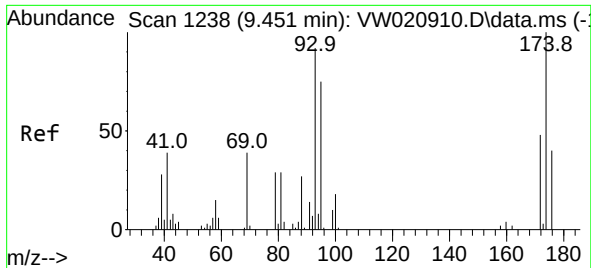
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#48
Methyl methacrylate
Concen: 2.261 ug/l
RT: 9.439 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

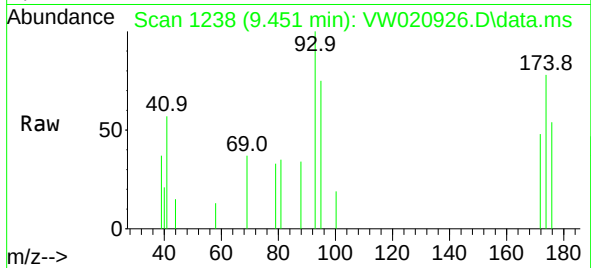
Tgt Ion: 41 Resp: 1026
Ion Ratio Lower Upper
41 100
69 72.1 72.9 109.3#
39 67.3 54.2 81.4





#49
1,4-Dioxane
Concen: 36.004 ug/l
RT: 9.451 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

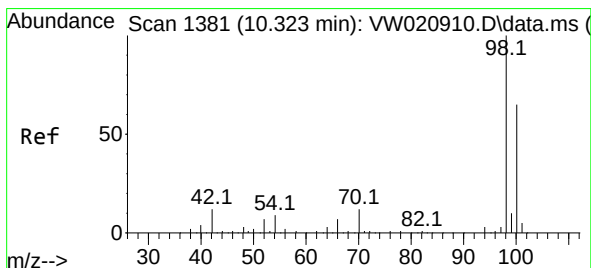
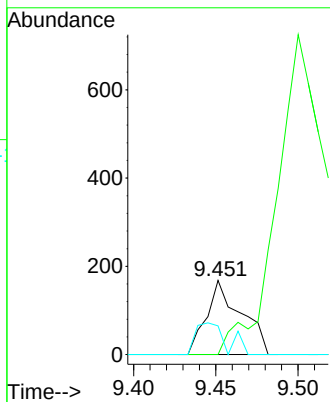
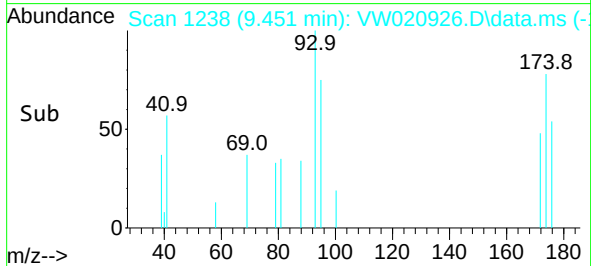
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 88 Resp: 240
Ion Ratio Lower Upper
88 100
43 0.0 26.6 39.8
58 38.2 51.8 77.8

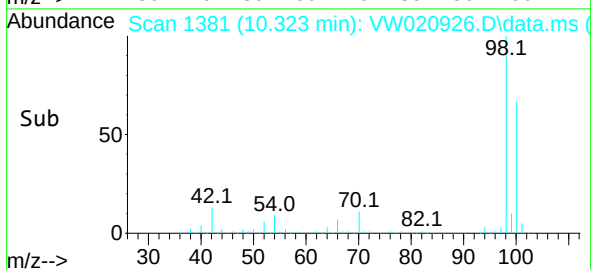
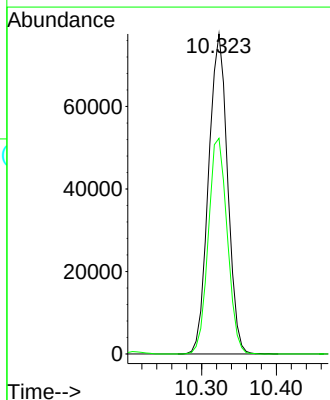
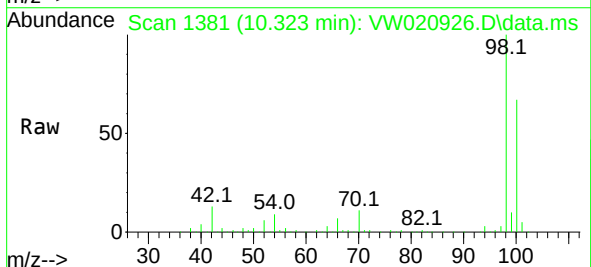
Manual Integrations
APPROVED

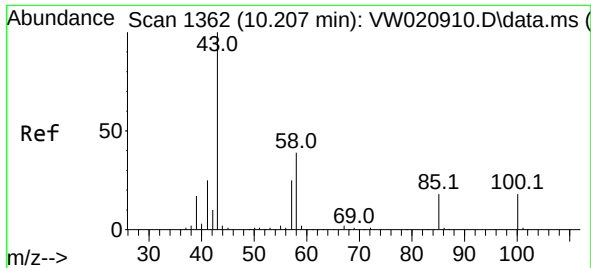
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#50
Toluene-d8
Concen: 46.859 ug/l
RT: 10.323 min Scan# 1381
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Tgt Ion: 98 Resp: 136767
Ion Ratio Lower Upper
98 100
100 67.2 52.6 79.0





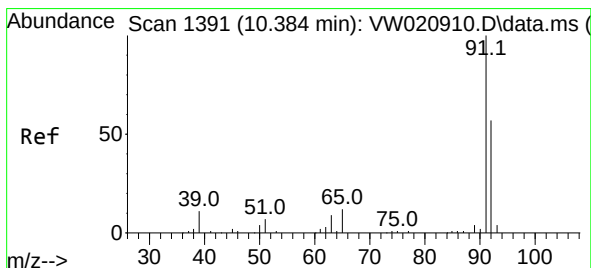
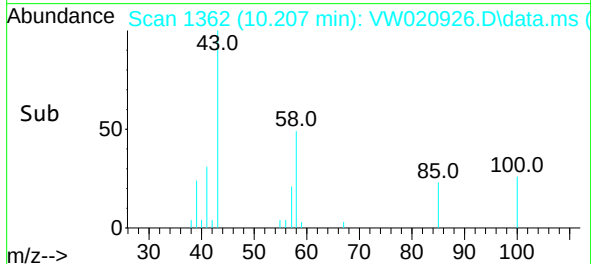
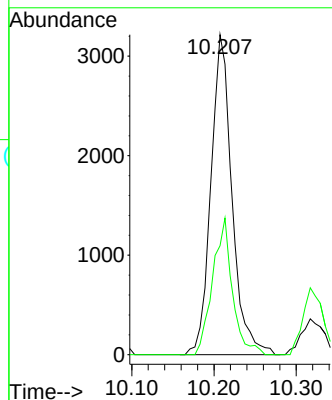
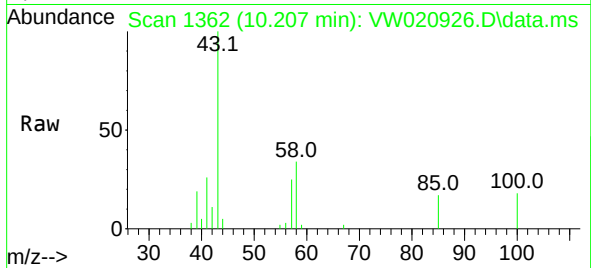
#51
4-Methyl-2-Pentanone
Concen: 11.048 ug/l
RT: 10.207 min Scan# 1362
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 43 Resp: 5739
Ion Ratio Lower Upper
43 100
58 40.0 30.9 46.3

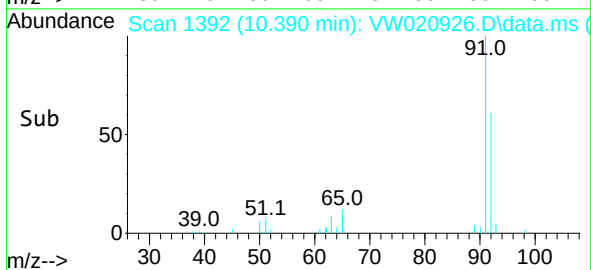
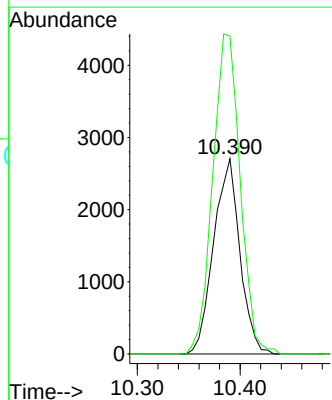
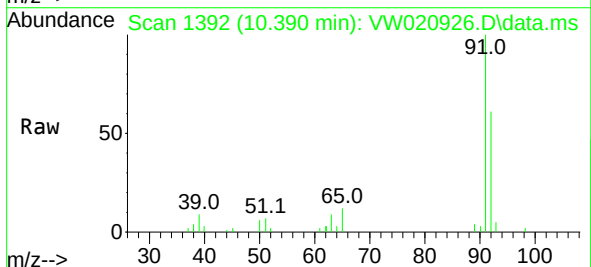
Manual Integrations
APPROVED

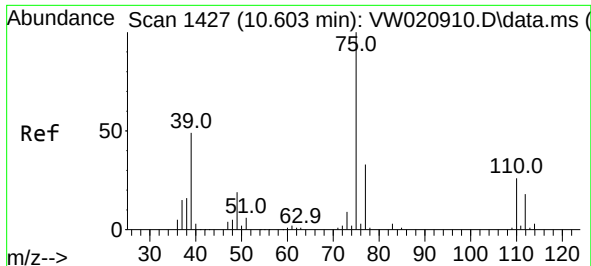
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#52
Toluene
Concen: 2.295 ug/l
RT: 10.390 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

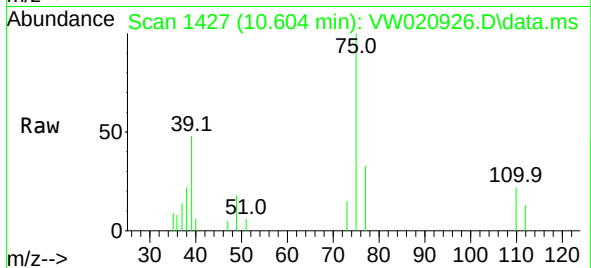
Tgt Ion: 92 Resp: 4794
Ion Ratio Lower Upper
92 100
91 171.6 137.1 205.7





#53
t-1,3-Dichloropropene
Concen: 1.798 ug/l
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

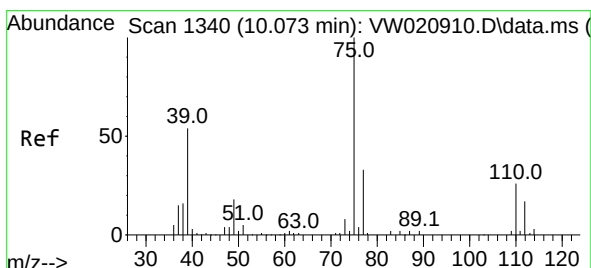
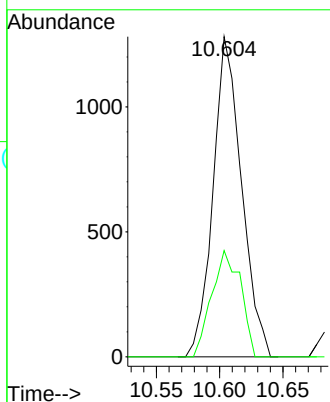
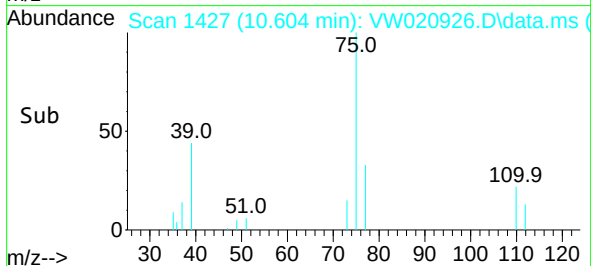
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



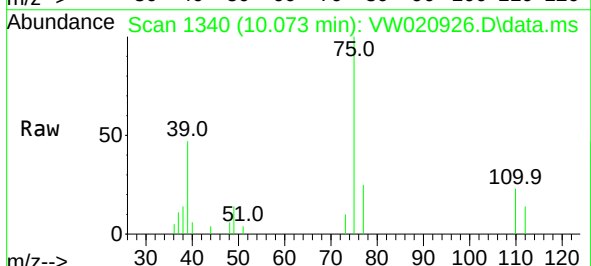
Tgt Ion: 75 Resp: 200
Ion Ratio Lower Upper
75 100
77 33.2 26.1 39.1

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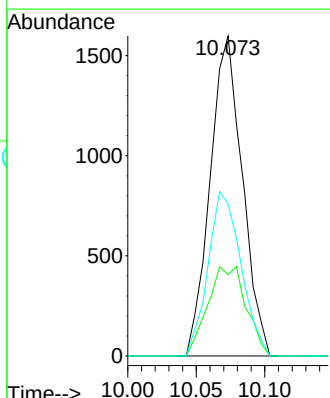
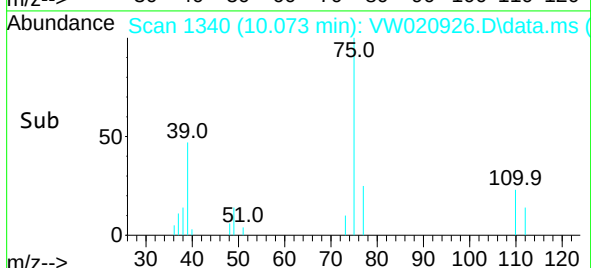
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

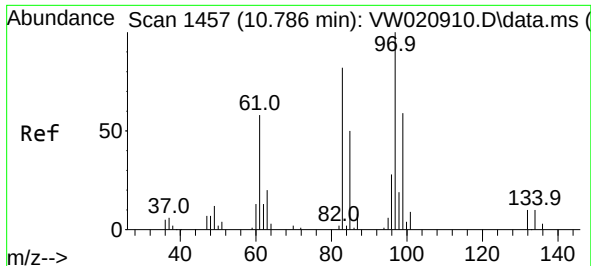


#54
cis-1,3-Dichloropropene
Concen: 2.073 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



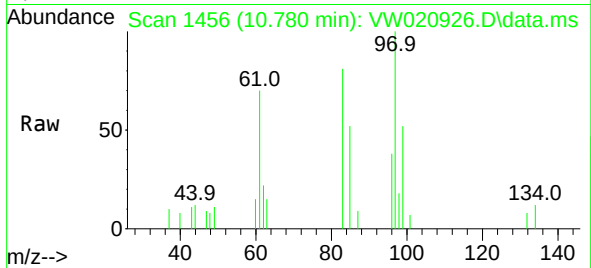
Tgt Ion: 75 Resp: 2613
Ion Ratio Lower Upper
75 100
77 25.4 26.2 39.4#
39 47.4 43.0 64.6





#55
1,1,2-Trichloroethane
Concen: 2.196 ug/l
RT: 10.780 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

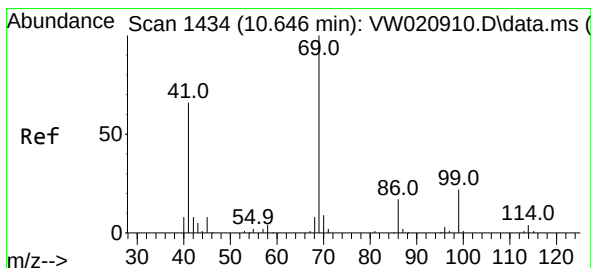
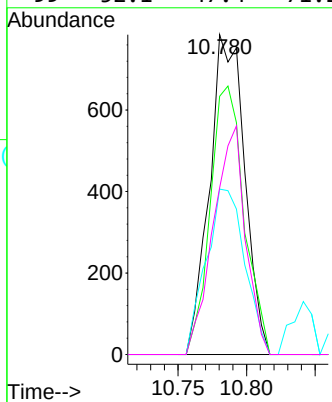
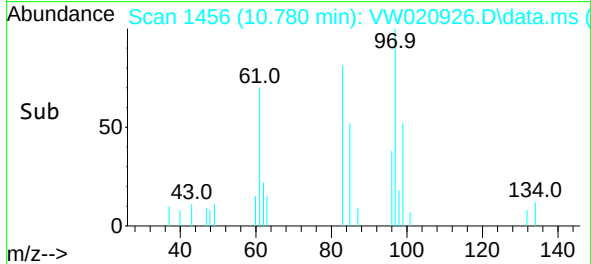
Instrument : MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



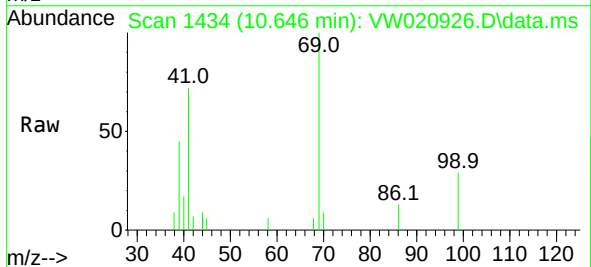
Tgt Ion: 97 Resp: 1390
Ion Ratio Lower Upper
97 100
83 80.8 65.4 98.2
85 51.7 39.9 59.9
99 52.1 47.4 71.2

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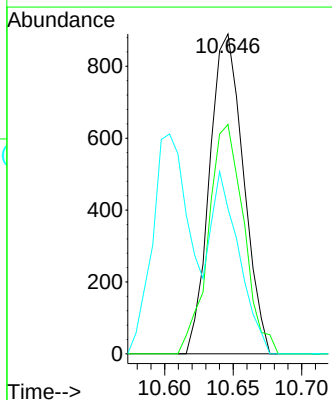
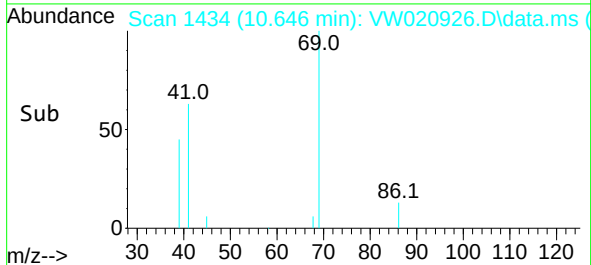
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

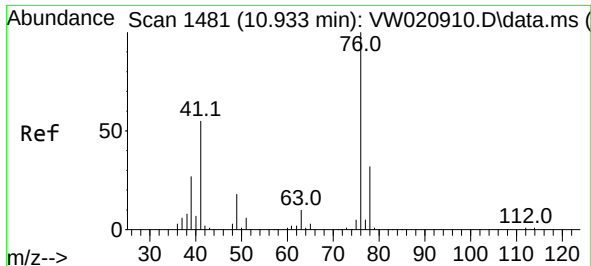


#56
Ethyl methacrylate
Concen: 1.889 ug/l
RT: 10.646 min Scan# 1434
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



Tgt Ion: 69 Resp: 1529
Ion Ratio Lower Upper
69 100
41 75.0 52.9 79.3
39 47.0 33.7 50.5





#57

1,3-Dichloropropane

Concen: 2.224 ug/l

RT: 10.933 min Scan# 1481

Delta R.T. 0.000 min

Lab File: VW020926.D

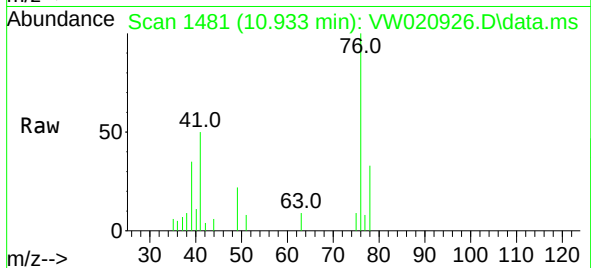
Acq: 18 Nov 2021 14:32

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 76 Resp: 2380

Ion Ratio Lower Upper

76 100

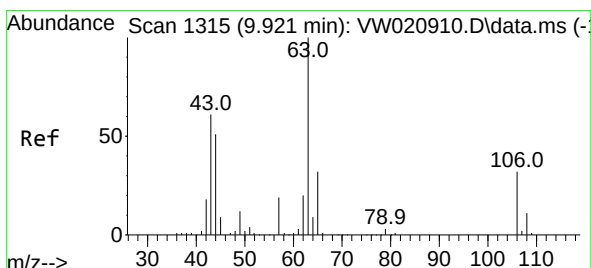
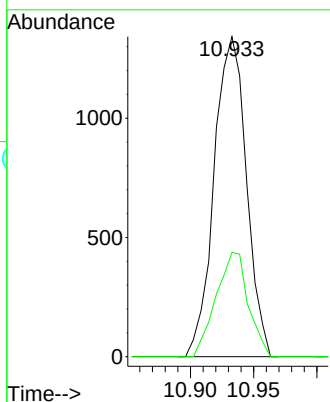
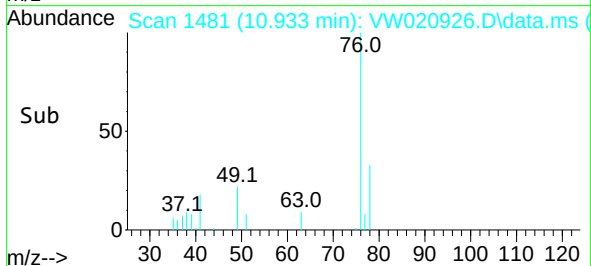
78 32.5 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/19/2021

Supervised By :Mahesh Dadoda 11/19/2021



#58

2-Chloroethyl Vinyl ether

Concen: 11.812 ug/l

RT: 9.921 min Scan# 1315

Delta R.T. 0.000 min

Lab File: VW020926.D

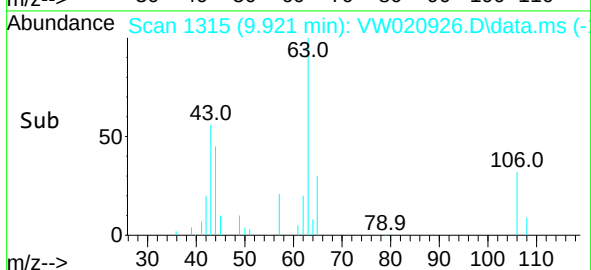
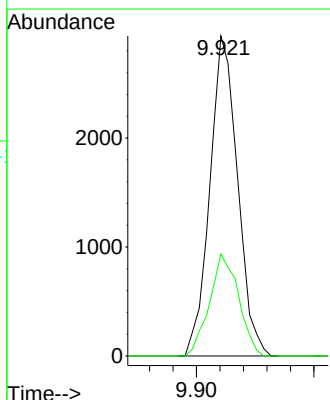
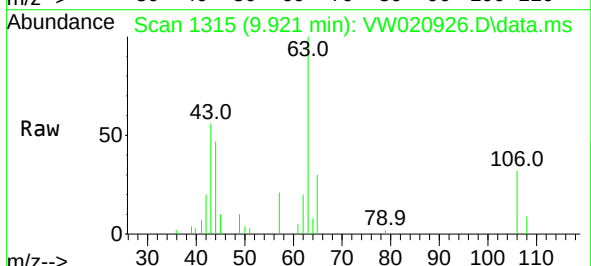
Acq: 18 Nov 2021 14:32

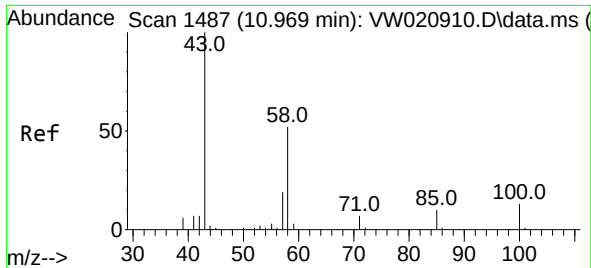
Tgt Ion: 63 Resp: 4812

Ion Ratio Lower Upper

63 100

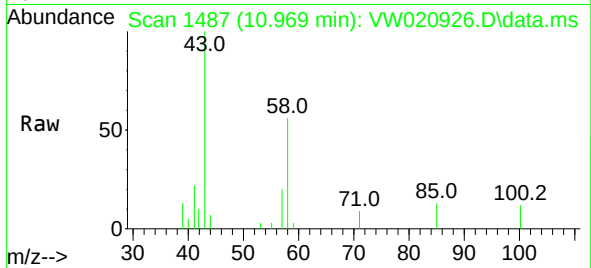
106 33.4 26.3 39.5





#59
2-Hexanone
Concen: 9.943 ug/l
RT: 10.969 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

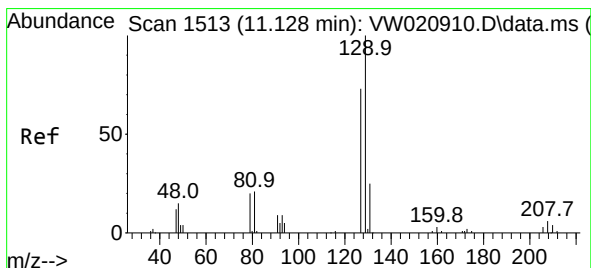
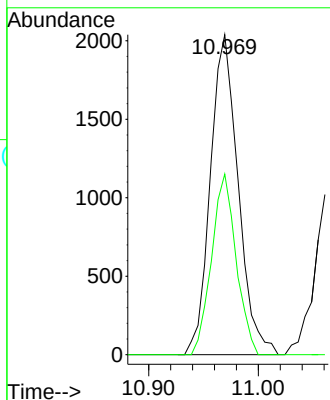
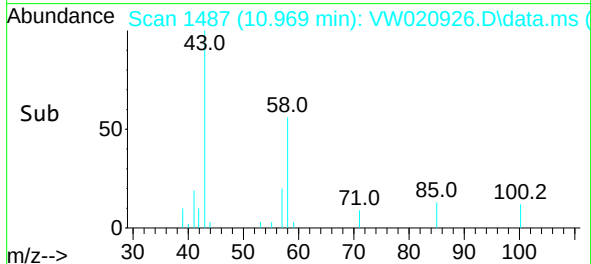
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 43 Resp: 359
Ion Ratio Lower Upper
43 100
58 49.8 26.7 80.0

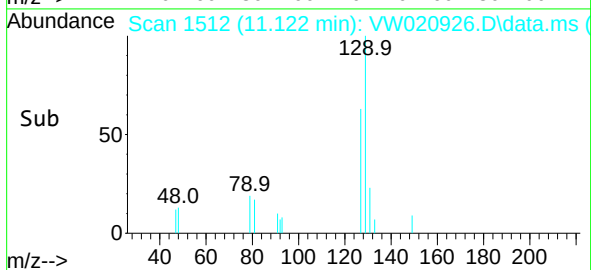
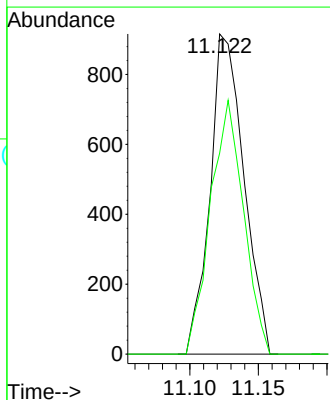
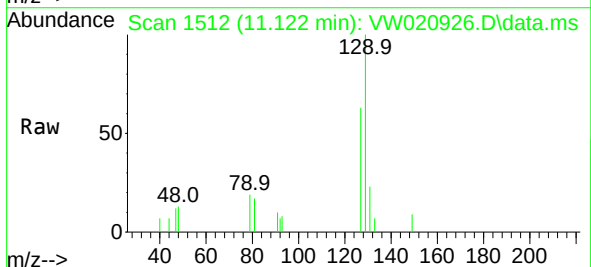
Manual Integrations
APPROVED

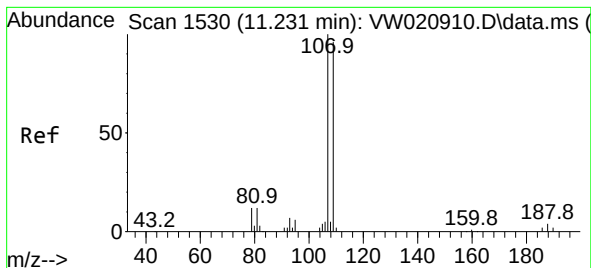
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#60
Dibromochloromethane
Concen: 1.966 ug/l
RT: 11.122 min Scan# 1512
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

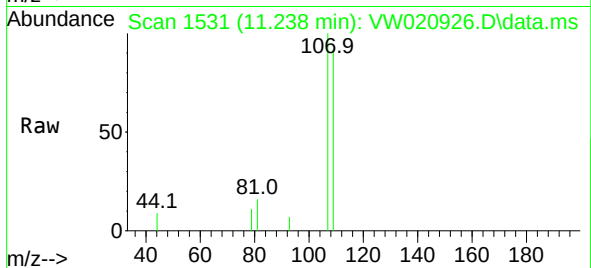
Tgt Ion:129 Resp: 1576
Ion Ratio Lower Upper
129 100
127 77.5 38.4 115.1





#61
1,2-Dibromoethane
Concen: 2.248 ug/l
RT: 11.238 min Scan# 1531
Delta R.T. 0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

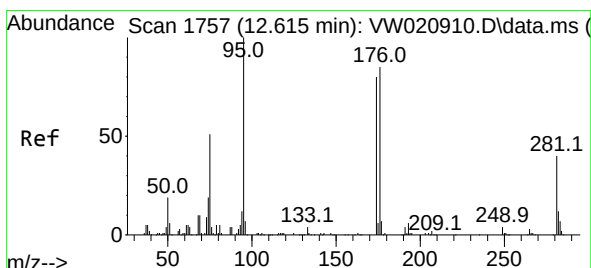
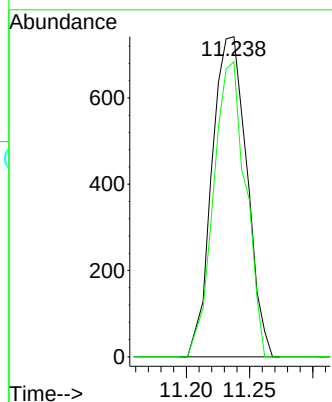
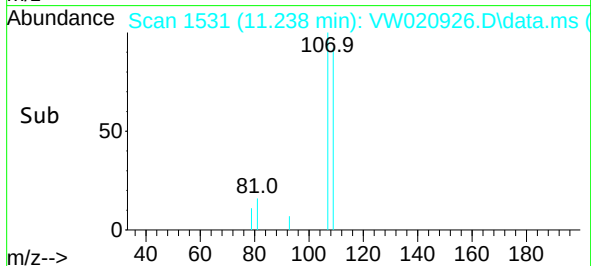
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



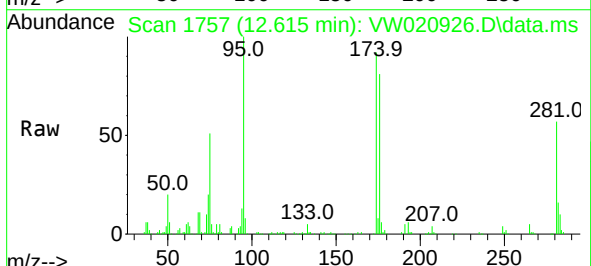
Tgt Ion:107 Resp: 1418
Ion Ratio Lower Upper
107 100
109 85.0 74.1 111.1

Manual Integrations
APPROVED

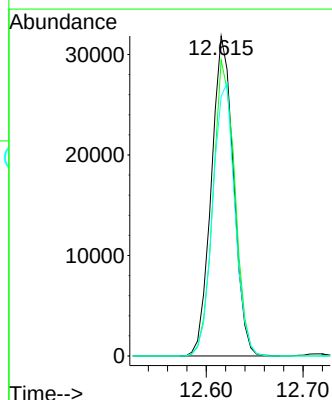
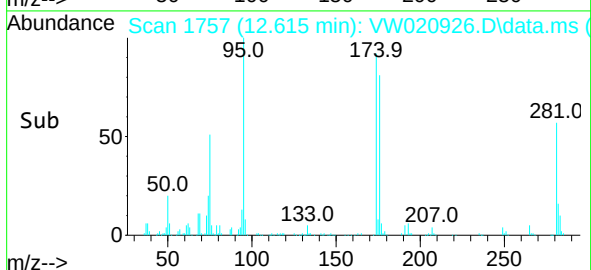
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

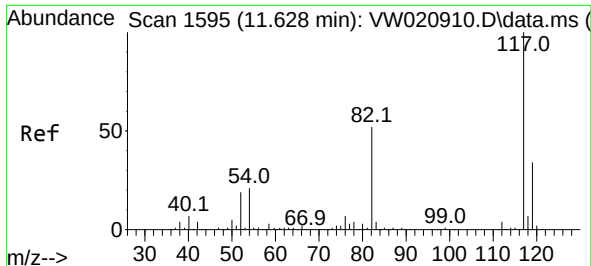


#62
4-Bromofluorobenzene
Concen: 46.501 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



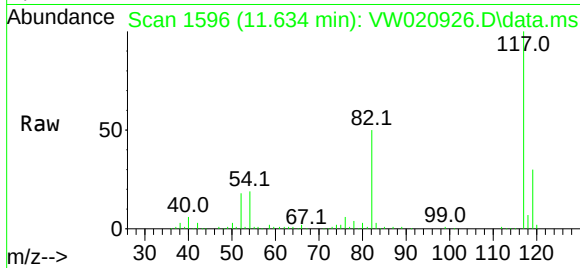
Tgt Ion: 95 Resp: 50616
Ion Ratio Lower Upper
95 100
174 91.1 0.0 171.2
176 85.2 0.0 175.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 114049
Delta R.T. 0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

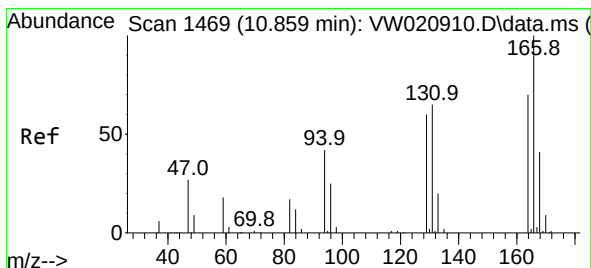
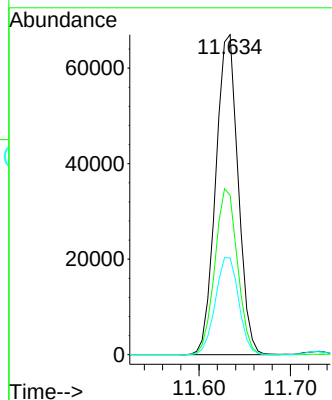
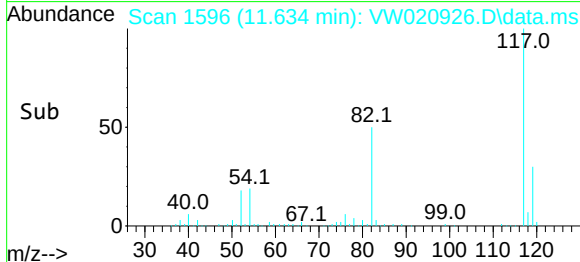
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



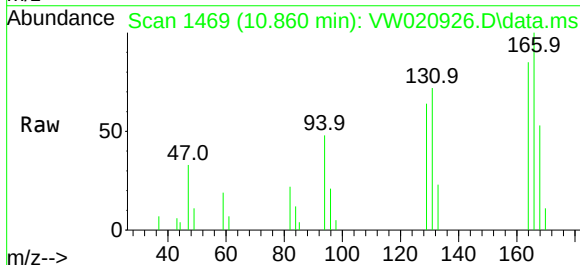
Tgt Ion:117 Resp: 114049
Ion Ratio Lower Upper
117 100
82 49.8 41.4 62.2
119 30.2 27.2 40.8

Manual Integrations
APPROVED

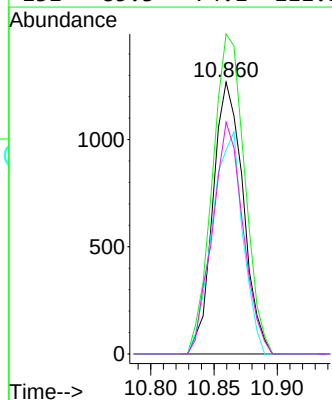
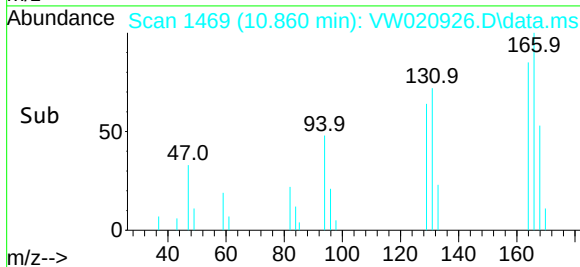
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

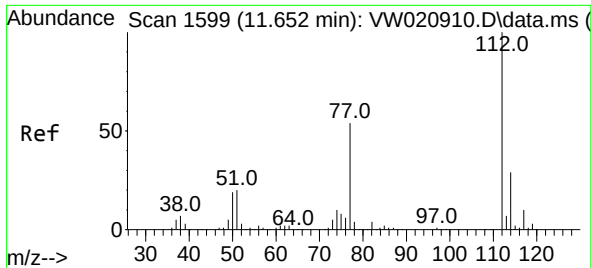


#64
Tetrachloroethene
Concen: 2.482 ug/l
RT: 10.860 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



Tgt Ion:164 Resp: 2103
Ion Ratio Lower Upper
164 100
166 117.7 114.4 171.6
129 75.1 68.3 102.5
131 85.3 74.1 111.1





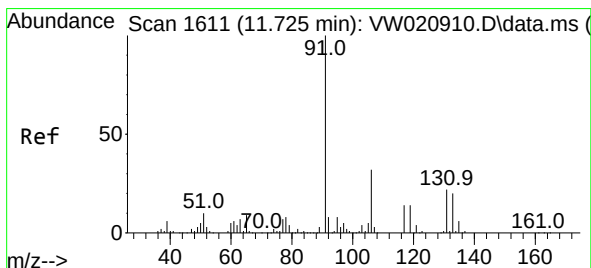
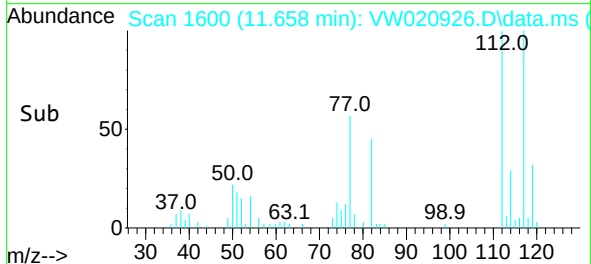
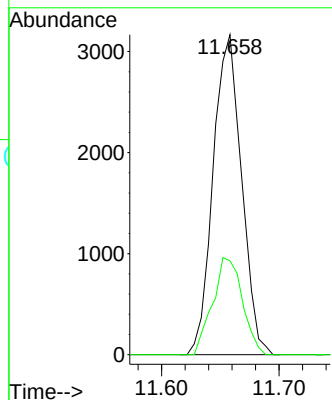
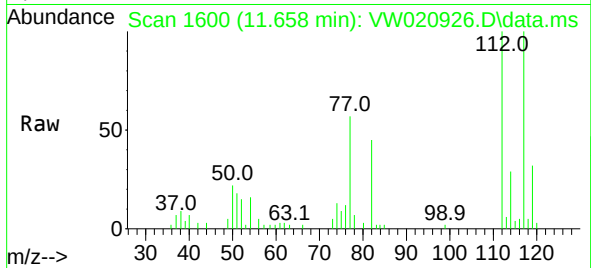
#65
Chlorobenzene
Concen: 2.319 ug/l
RT: 11.658 min Scan# 1160
Delta R.T. 0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:112 Resp: 5318
Ion Ratio Lower Upper
112 100
114 29.3 23.0 34.6

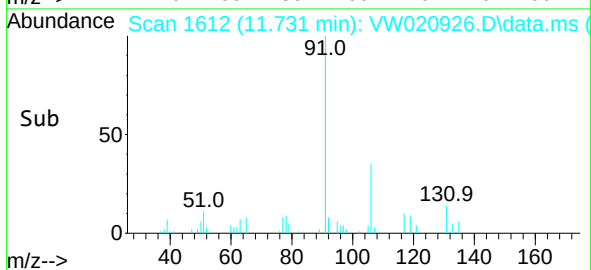
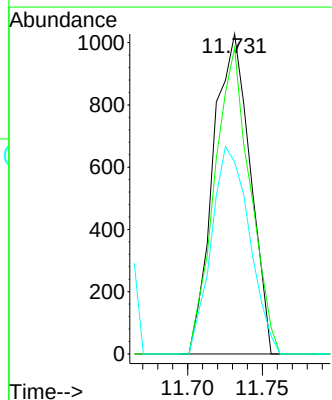
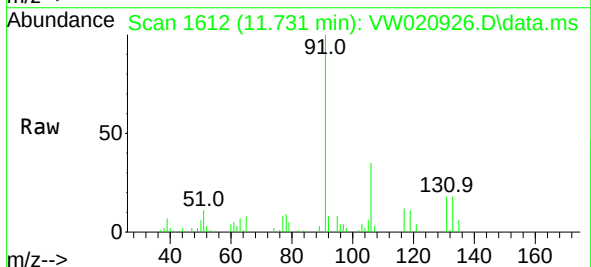
Manual Integrations
APPROVED

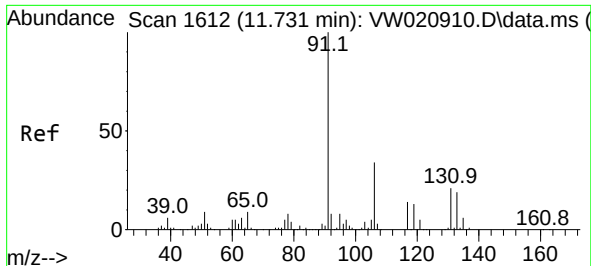
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#66
1,1,1,2-Tetrachloroethane
Concen: 2.061 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

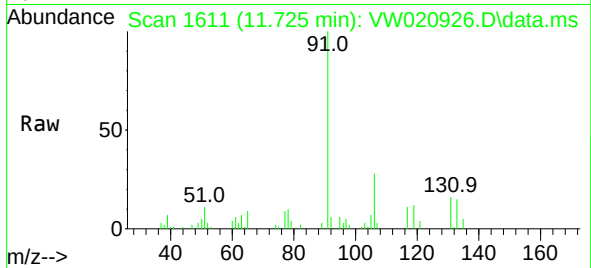
Tgt Ion:131 Resp: 1757
Ion Ratio Lower Upper
131 100
133 92.5 46.6 139.7
119 66.9 32.2 96.6





#67
Ethyl Benzene
Concen: 2.317 ug/l
RT: 11.725 min Scan# 1611
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

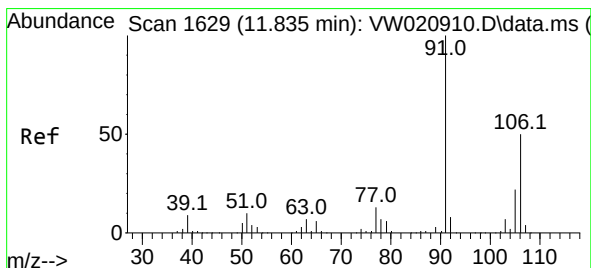
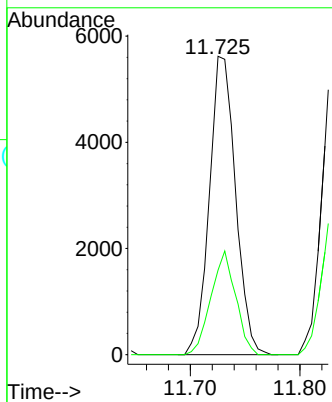
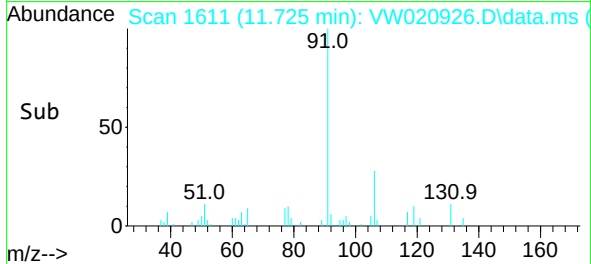
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 91 Resp: 932
Ion Ratio Lower Upper
91 100
106 28.3 27.3 40.9

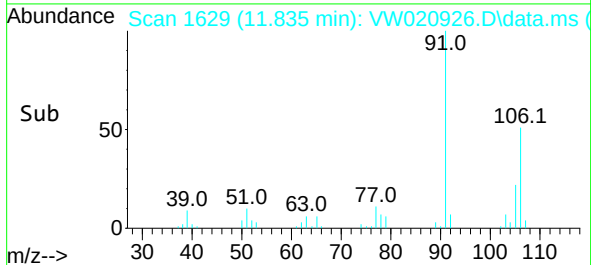
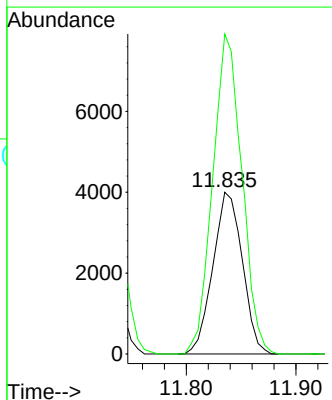
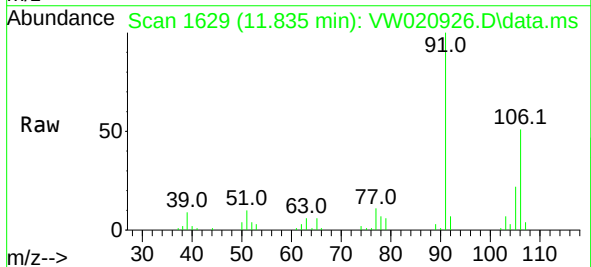
Manual Integrations
APPROVED

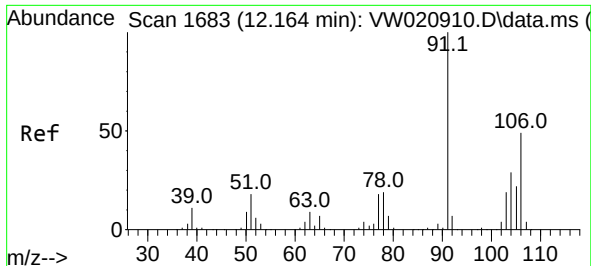
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#68
m/p-Xylenes
Concen: 4.590 ug/l
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Tgt Ion:106 Resp: 7467
Ion Ratio Lower Upper
106 100
91 196.0 157.8 236.8





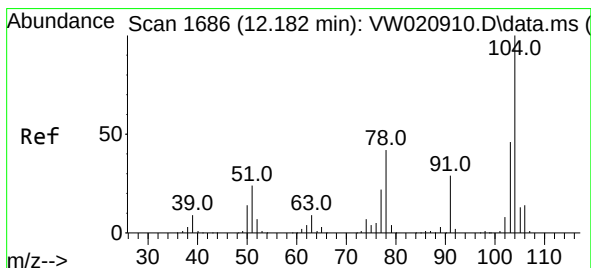
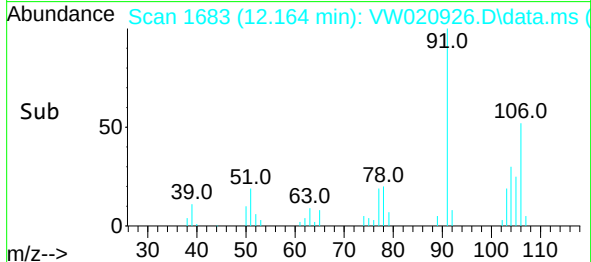
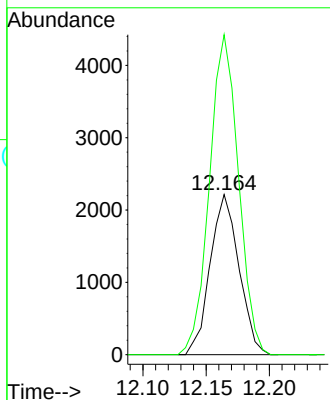
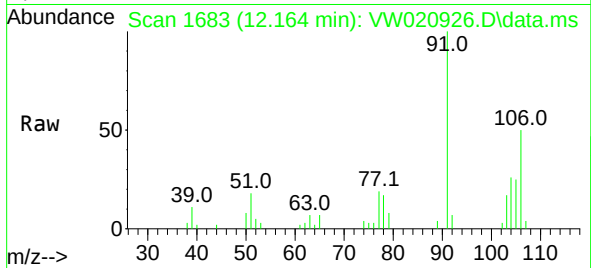
#69
o-Xylene
Concen: 2.296 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:106 Resp: 350
Ion Ratio Lower Upper
106 100
91 201.3 104.3 312.9

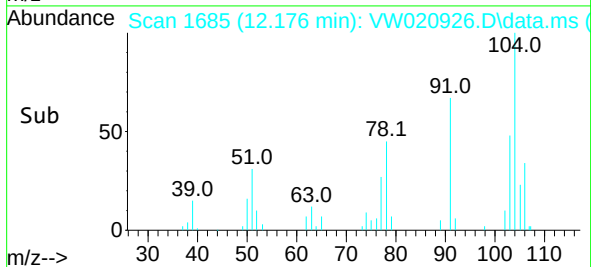
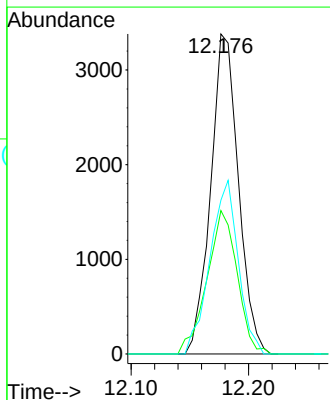
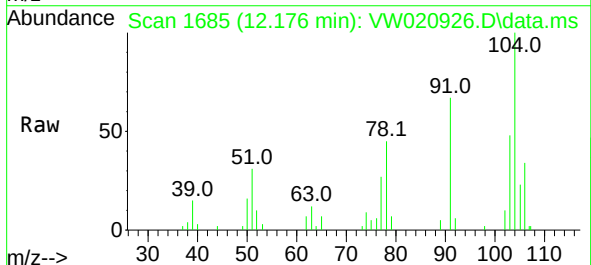
Manual Integrations
APPROVED

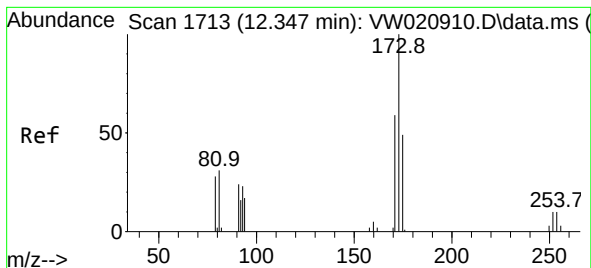
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#70
Styrene
Concen: 2.170 ug/l
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Tgt Ion:104 Resp: 5560
Ion Ratio Lower Upper
104 100
78 48.7 39.4 59.2
103 55.3 42.6 63.8





#71

Bromoform

Concen: 1.788 ug/l

RT: 12.347 min Scan# 1713

Delta R.T. 0.000 min

Lab File: VW020926.D

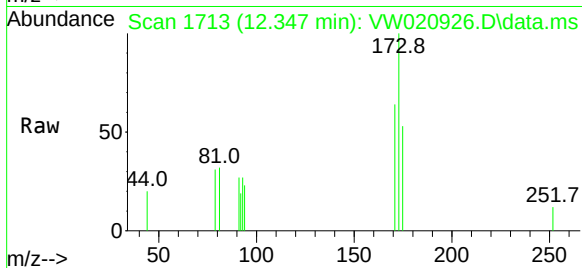
Acq: 18 Nov 2021 14:32

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:173 Resp: 88

Ion Ratio Lower Upper

173 100

175 52.9 25.1 75.3

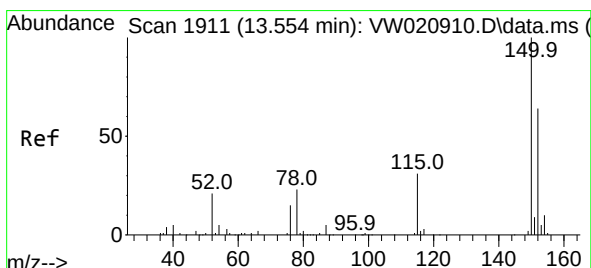
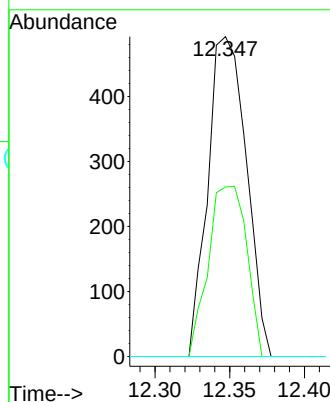
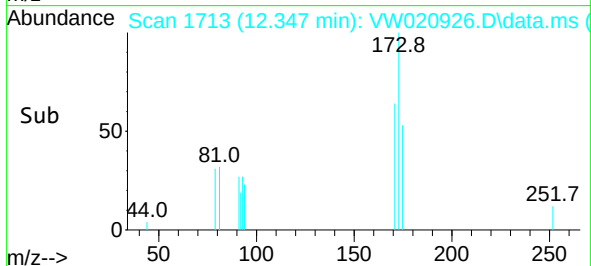
254 0.0 0.0 0.0

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: 13.560 min Scan# 1912

Delta R.T. 0.006 min

Lab File: VW020926.D

Acq: 18 Nov 2021 14:32

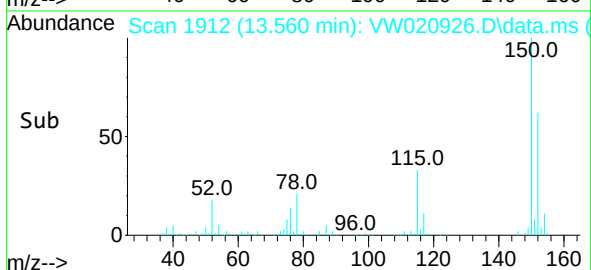
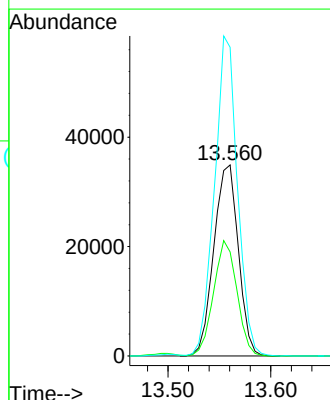
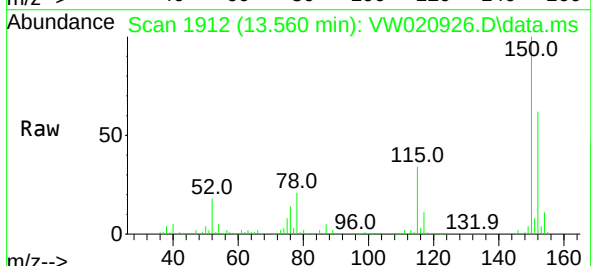
Tgt Ion:152 Resp: 57801

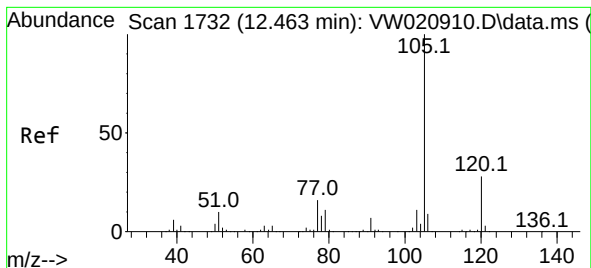
Ion Ratio Lower Upper

152 100

115 57.7 27.8 83.3

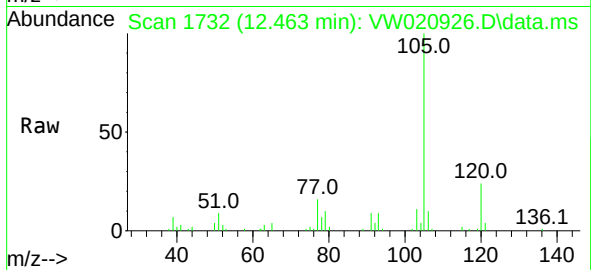
150 157.2 0.0 348.4





#73
Isopropylbenzene
Concen: 2.457 ug/l
RT: 12.463 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

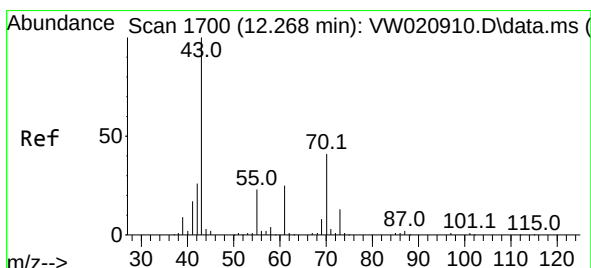
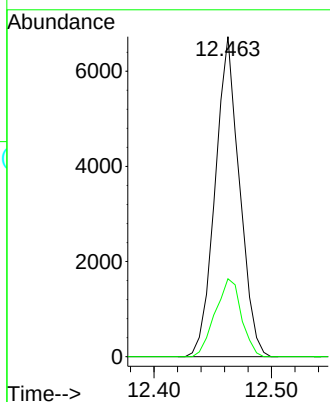
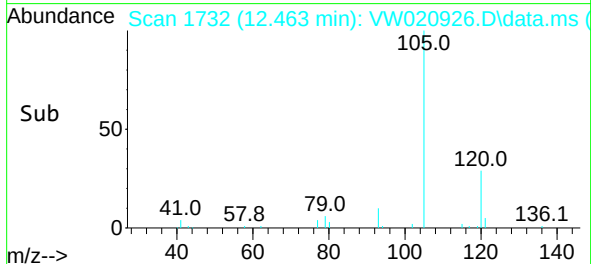
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:105 Resp: 970
Ion Ratio Lower Upper
105 100
120 26.0 13.9 41.7

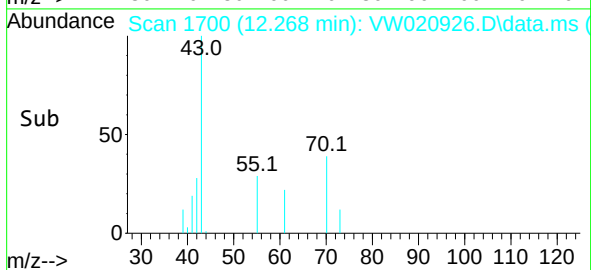
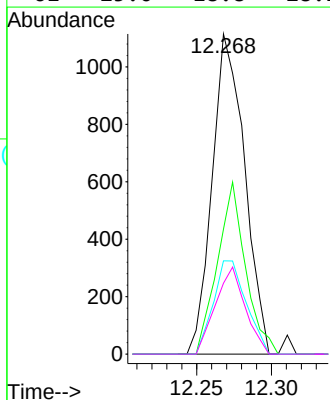
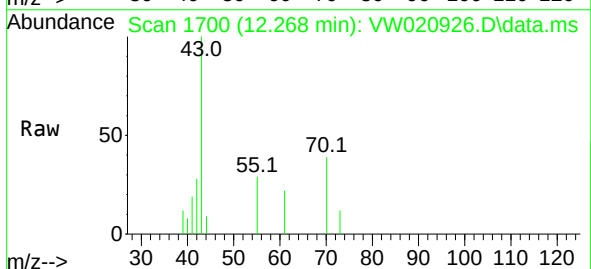
Manual Integrations
APPROVED

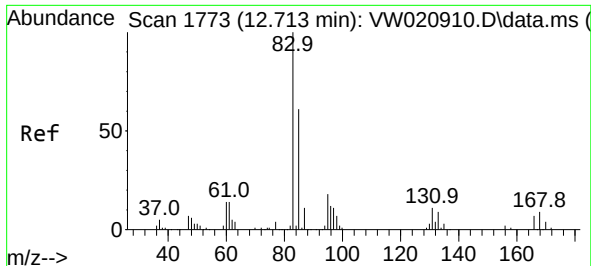
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#74
N-ethyl acetate
Concen: 1.782 ug/l
RT: 12.268 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

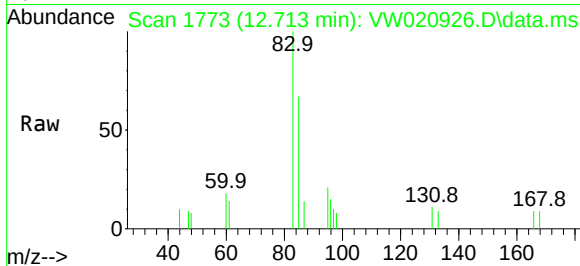
Tgt Ion: 43 Resp: 1677
Ion Ratio Lower Upper
43 100
70 46.6 33.7 50.5
55 29.5 18.5 27.7#
61 25.0 18.8 28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 2.212 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

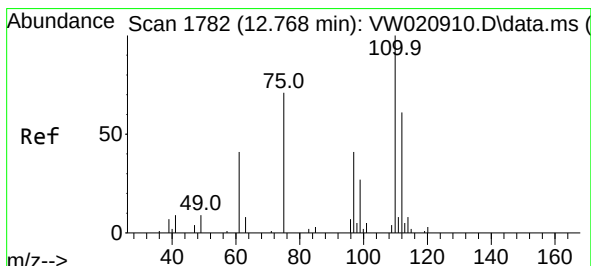
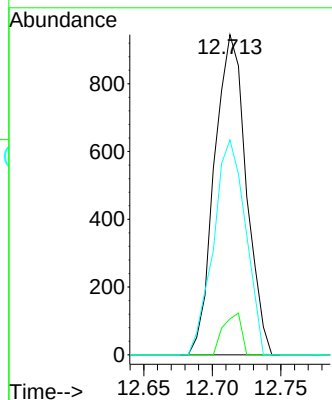
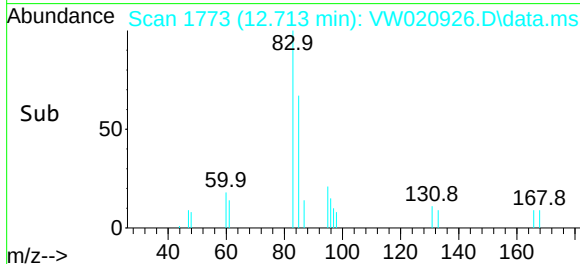
Instrument : MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 83 Resp: 1524
Ion Ratio Lower Upper
83 100
131 7.4 5.9 17.6
85 67.7 32.0 96.0

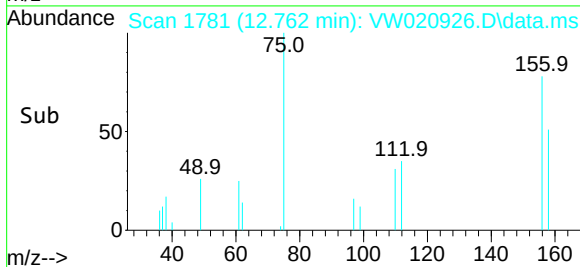
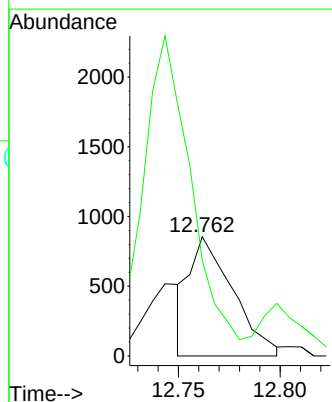
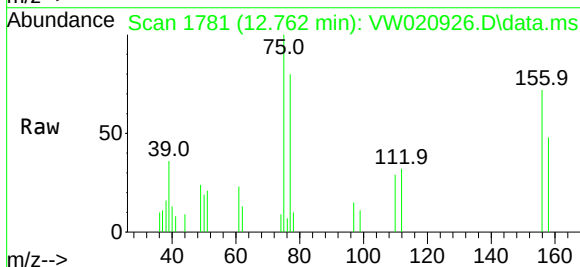
Manual Integrations
APPROVED

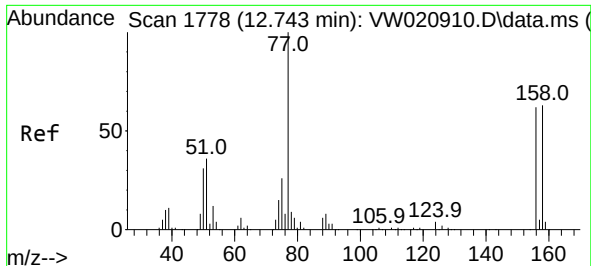
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#76
1,2,3-Trichloropropane
Concen: 2.440 ug/l m
RT: 12.762 min Scan# 1781
Delta R.T. -0.006 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

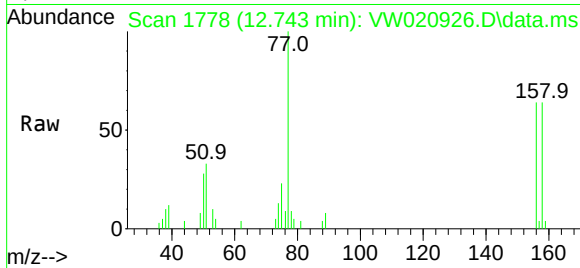
Tgt Ion: 75 Resp: 1267
Ion Ratio Lower Upper
75 100
77 302.7 0.0 0.0#





#77
Bromobenzene
Concen: 2.532 ug/l
RT: 12.743 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

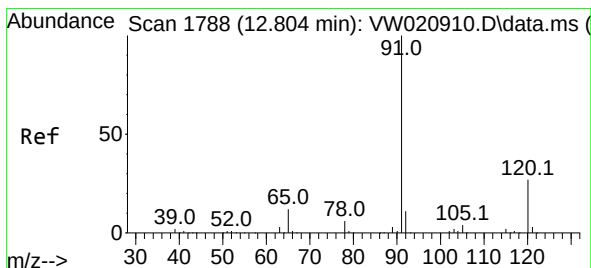
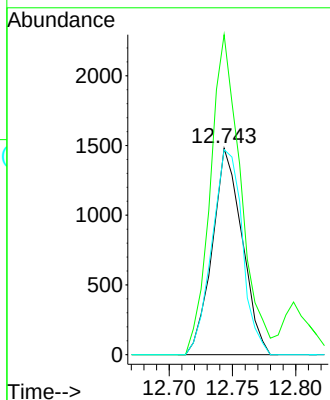
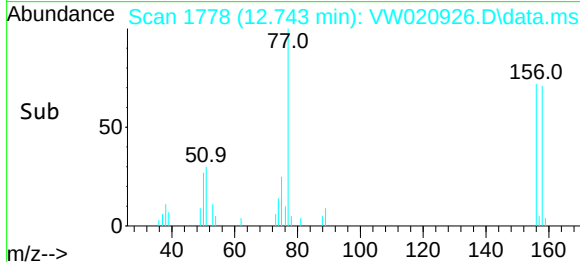
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



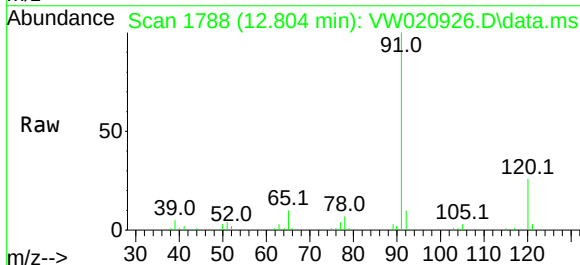
Tgt Ion:156 Resp: 2429
Ion Ratio Lower Upper
156 100
77 157.9 87.0 261.0
158 101.1 49.8 149.4

Manual Integrations
APPROVED

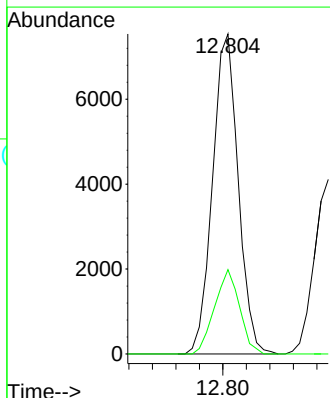
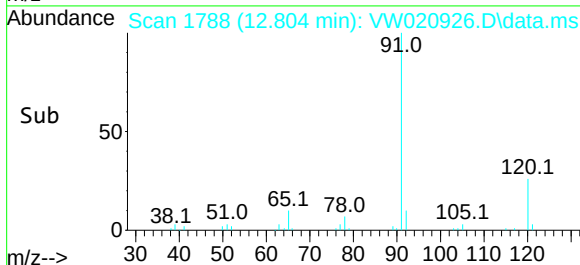
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

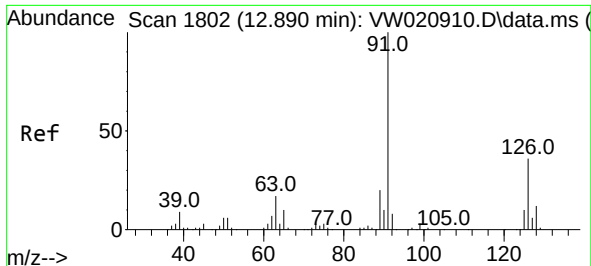


#78
n-propylbenzene
Concen: 2.457 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



Tgt Ion: 91 Resp: 11429
Ion Ratio Lower Upper
91 100
120 25.6 12.4 37.4





#79

2-Chlorotoluene

Concen: 2.498 ug/l

RT: 12.890 min Scan# 1802

Delta R.T. 0.000 min

Lab File: VW020926.D

Acq: 18 Nov 2021 14:32

Instrument :

MSVOA_W

ClientSampleId :

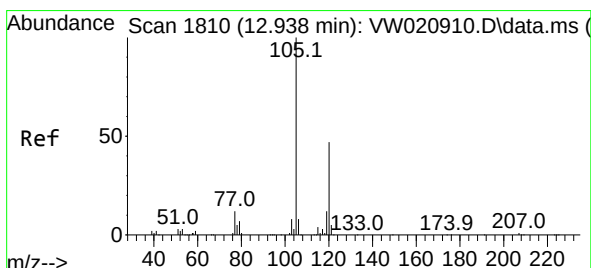
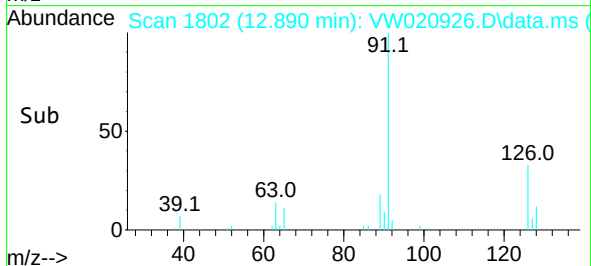
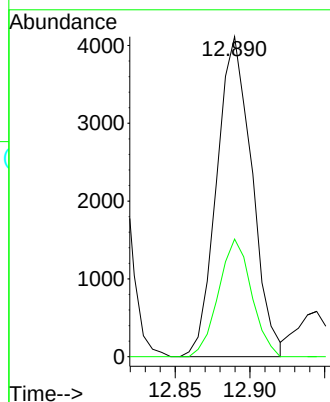
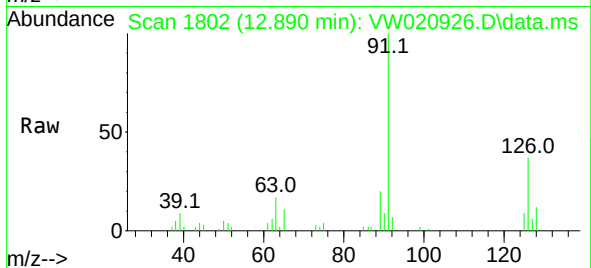
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 91 Resp: 671
 Ion Ratio Lower Upper
 91 100
 126 34.5 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: 2.370 ug/l

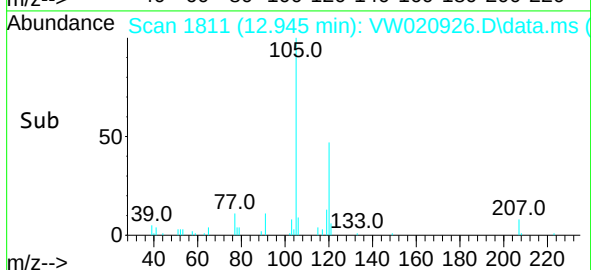
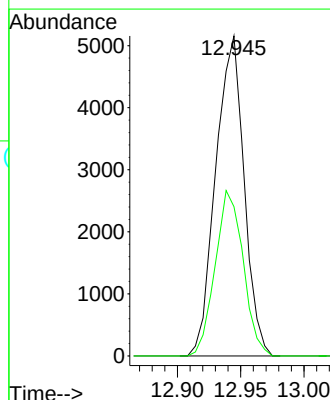
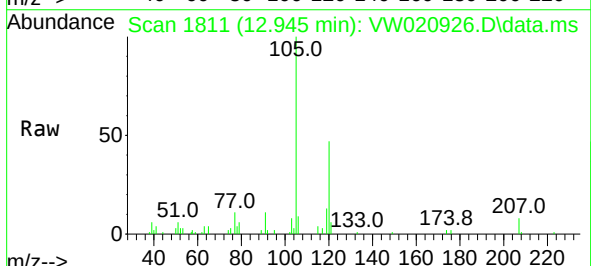
RT: 12.945 min Scan# 1811

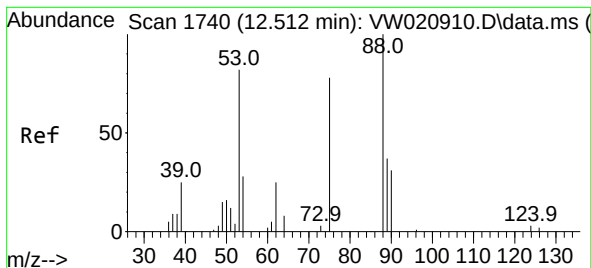
Delta R.T. 0.006 min

Lab File: VW020926.D

Acq: 18 Nov 2021 14:32

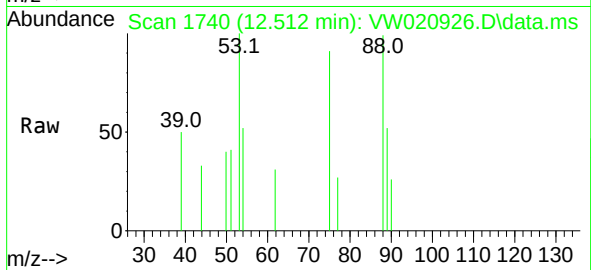
Tgt Ion:105 Resp: 8029
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.7 74.1





#81
trans-1,4-Dichloro-2-butene
Concen: 1.825 ug/l m
RT: 12.512 min Scan# 1740
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

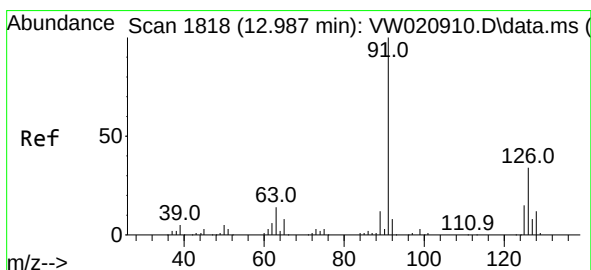
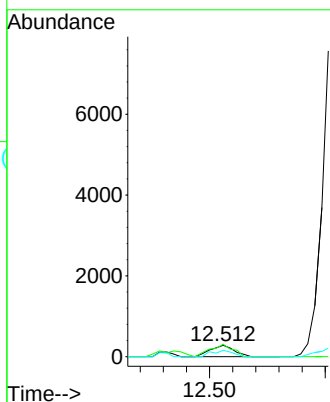
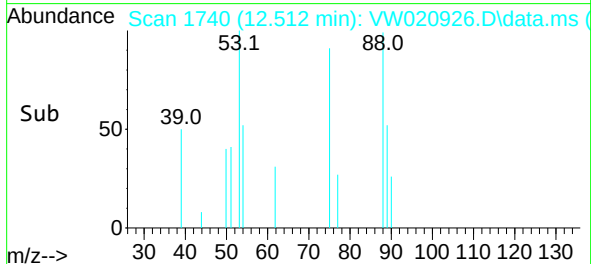
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 75 Resp: 4000
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8
89 62.0 38.6 57.8

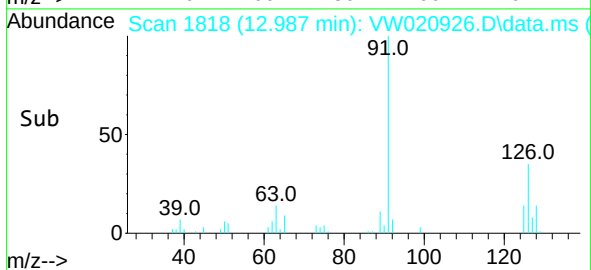
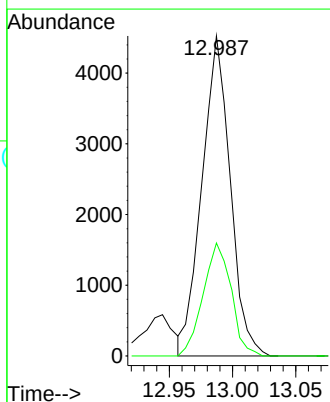
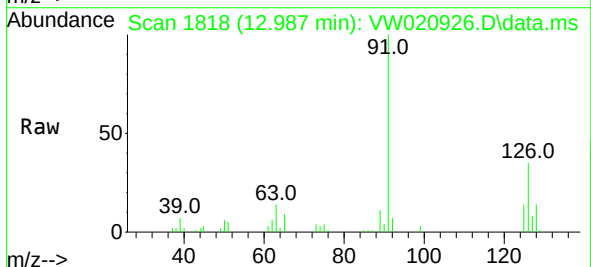
Manual Integrations
APPROVED

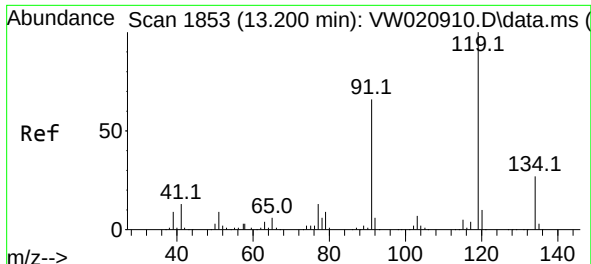
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#82
4-Chlorotoluene
Concen: 2.466 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Tgt Ion: 91 Resp: 7031
Ion Ratio Lower Upper
91 100
126 35.0 17.1 51.2





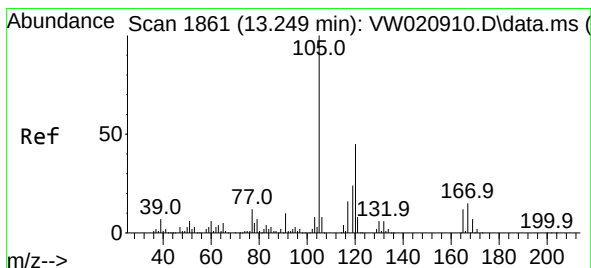
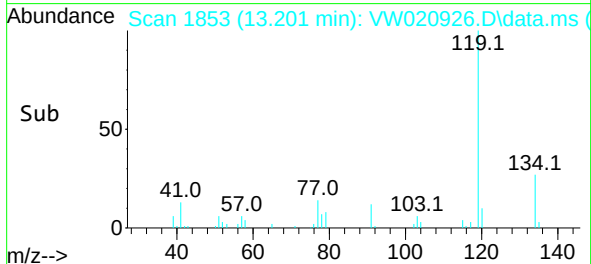
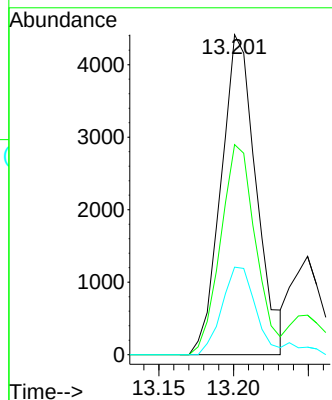
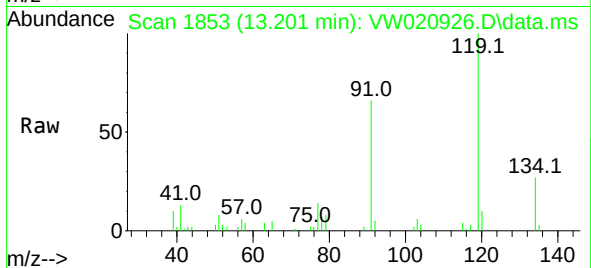
#83
tert-Butylbenzene
Concen: 2.383 ug/l
RT: 13.201 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:119 Resp: 721
Ion Ratio Lower Upper
119 100
91 65.6 32.6 97.8
134 26.1 13.2 39.5

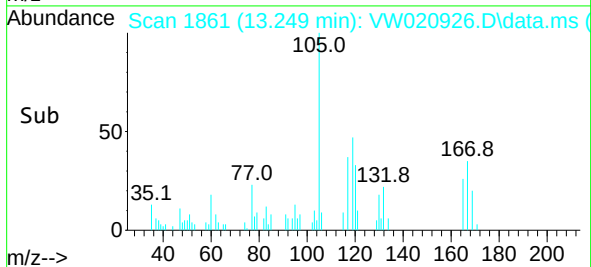
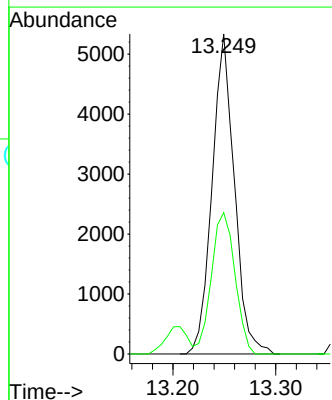
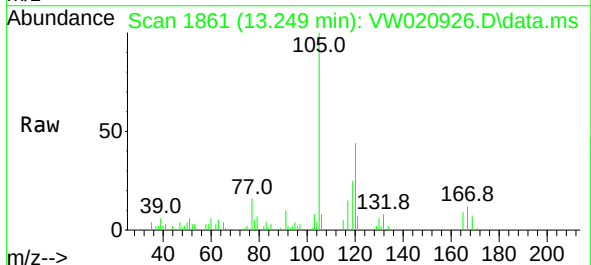
Manual Integrations
APPROVED

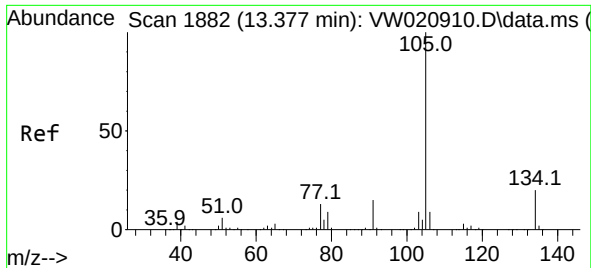
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021



#84
1,2,4-Trimethylbenzene
Concen: 2.399 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

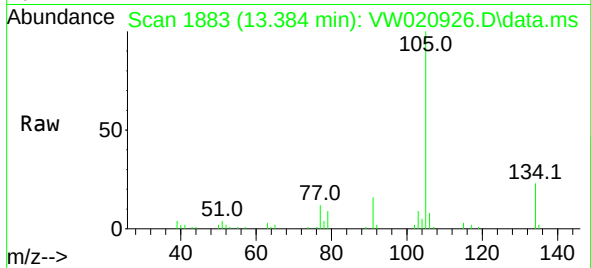
Tgt Ion:105 Resp: 8023
Ion Ratio Lower Upper
105 100
120 46.7 22.7 68.1





#85
 sec-Butylbenzene
 Concen: 2.497 ug/l
 RT: 13.384 min Scan# 1882
 Delta R.T. 0.006 min
 Lab File: VW020926.D
 Acq: 18 Nov 2021 14:32

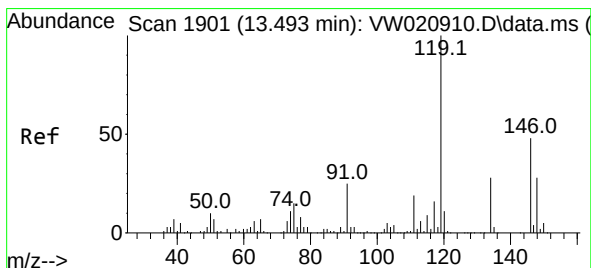
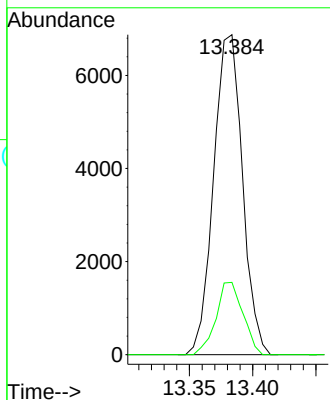
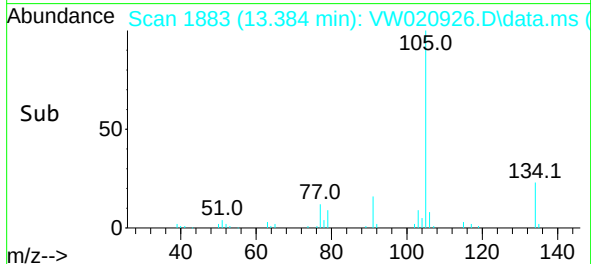
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021



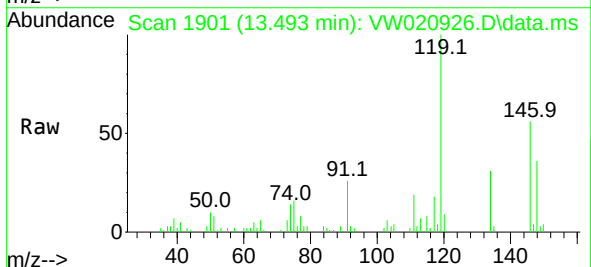
Tgt Ion:105 Resp: 1087
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.4

Manual Integrations
 APPROVED

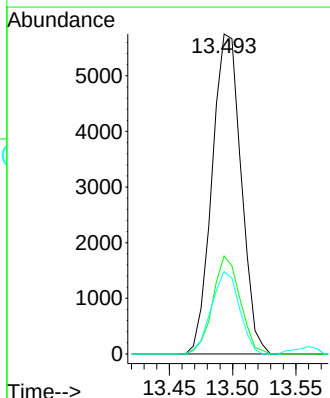
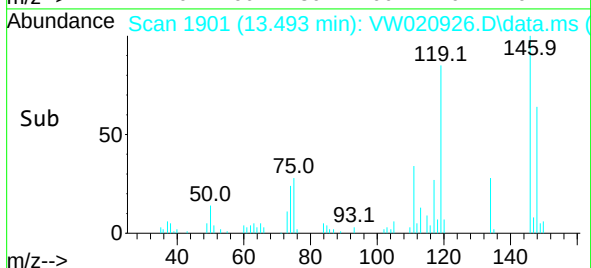
Reviewed By :Vimala Arumugam 11/19/2021
 Supervised By :Mahesh Dadoda 11/19/2021

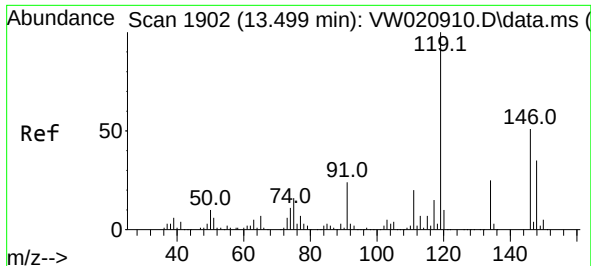


#86
 p-Isopropyltoluene
 Concen: 2.443 ug/l
 RT: 13.493 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: VW020926.D
 Acq: 18 Nov 2021 14:32



Tgt Ion:119 Resp: 9176
 Ion Ratio Lower Upper
 119 100
 134 28.7 13.2 39.5
 91 24.9 11.9 35.9





#87

1,3-Dichlorobenzene

Concen: 2.590 ug/l

RT: 13.493 min Scan# 1901

Delta R.T. -0.006 min

Lab File: VW020926.D

Acq: 18 Nov 2021 14:32

Instrument :

MSVOA_W

ClientSampleId :

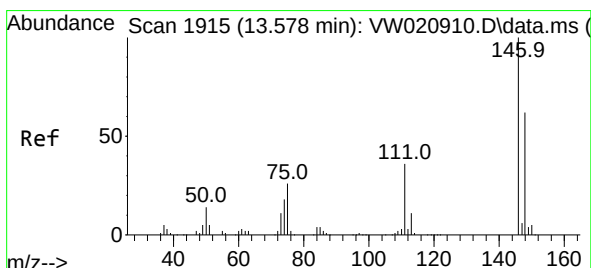
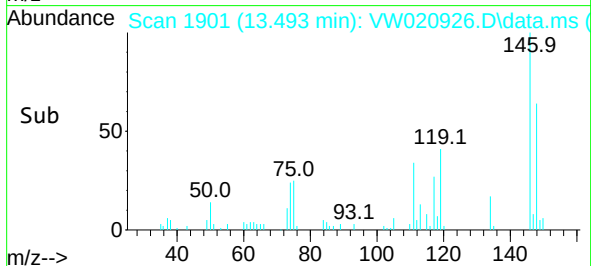
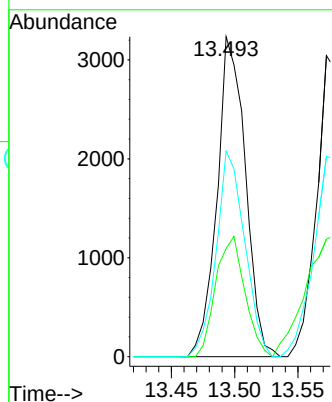
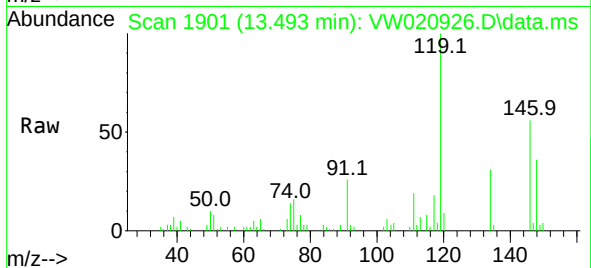
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:146	Resp:	503
Ion Ratio	Lower	Upper
146	100	
111	38.6	20.0 59.9
148	64.7	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: 2.539 ug/l

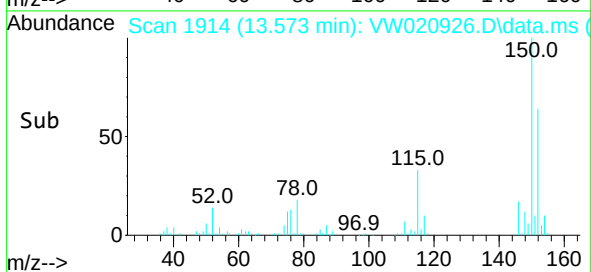
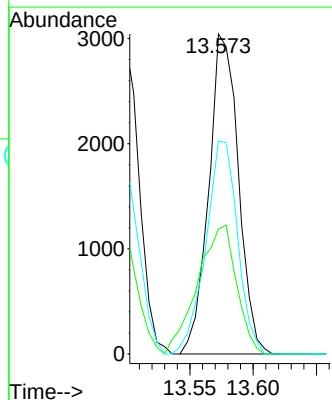
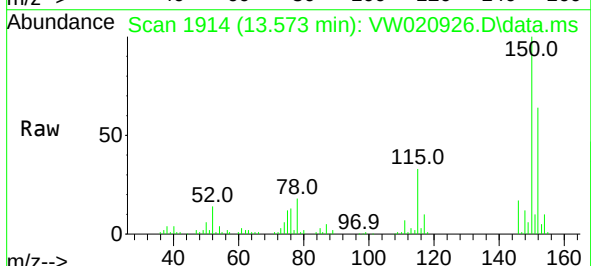
RT: 13.573 min Scan# 1914

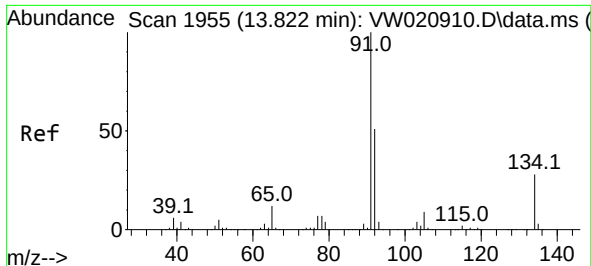
Delta R.T. -0.006 min

Lab File: VW020926.D

Acq: 18 Nov 2021 14:32

Tgt Ion:146	Resp:	4961
Ion Ratio	Lower	Upper
146	100	
111	52.8	18.8 56.4
148	71.4	31.1 93.2





#89

n-Butylbenzene

Concen: 2.378 ug/l

RT: 13.822 min Scan# 1955

Delta R.T. 0.000 min

Lab File: VW020926.D

Acq: 18 Nov 2021 14:32

Instrument :

MSVOA_W

ClientSampleId :

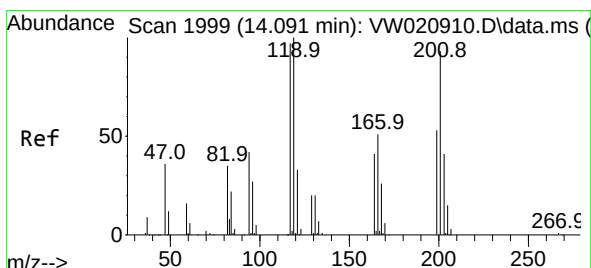
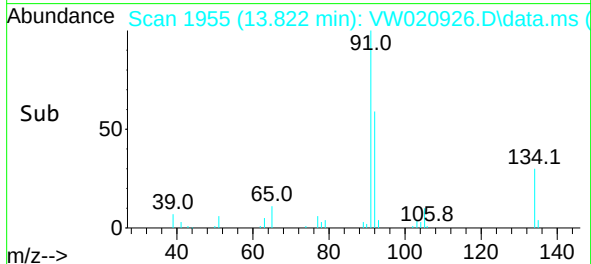
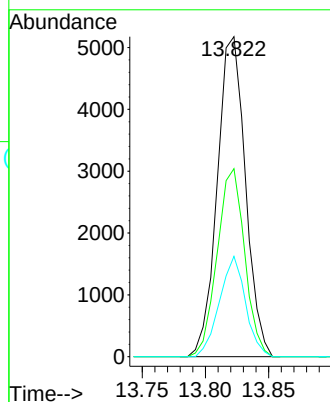
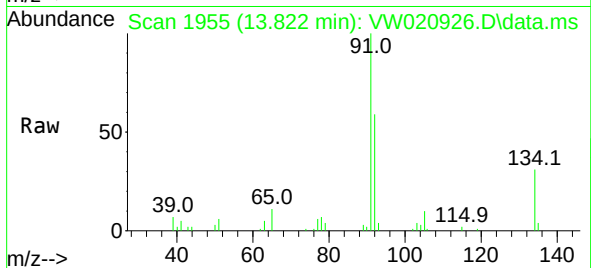
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:	91	Resp:	802
Ion	Ratio	Lower	Upper
91	100		
92	57.2	26.5	79.4
134	29.0	13.6	40.8

Manual Integrations

APPROVED

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



#90

Hexachloroethane

Concen: 2.232 ug/l

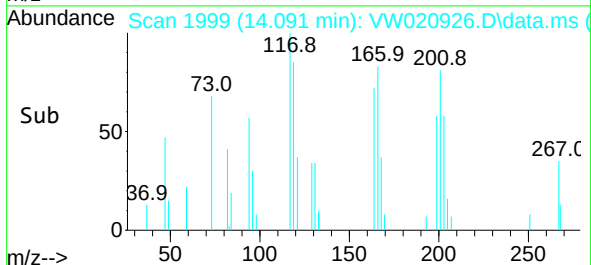
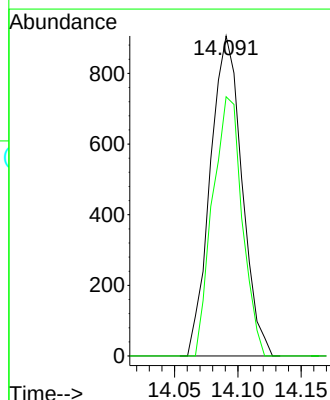
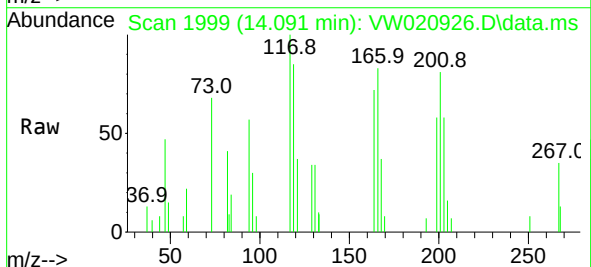
RT: 14.091 min Scan# 1999

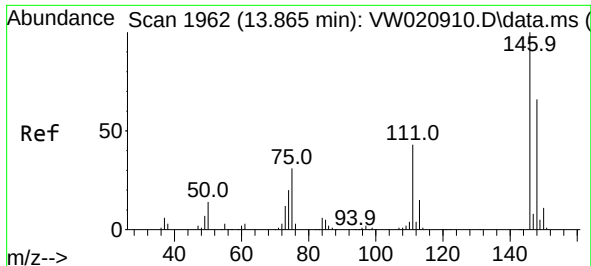
Delta R.T. 0.000 min

Lab File: VW020926.D

Acq: 18 Nov 2021 14:32

Tgt Ion:	117	Resp:	1579
Ion	Ratio	Lower	Upper
117	100		
201	75.4	43.8	131.4





#91

1,2-Dichlorobenzene

Concen: 2.594 ug/l

RT: 13.871 min Scan# 1962

Delta R.T. 0.006 min

Lab File: VW020926.D

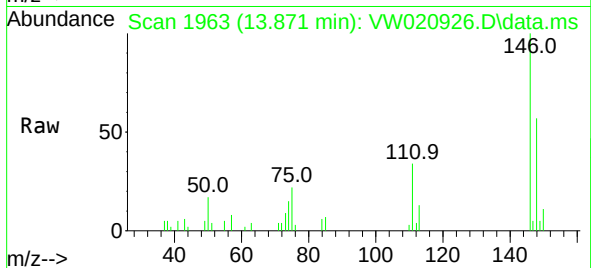
Acq: 18 Nov 2021 14:32

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:146 Resp: 443

Ion Ratio Lower Upper

146 100

111 39.2 21.1 63.3

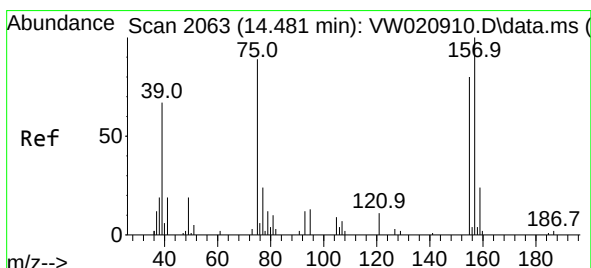
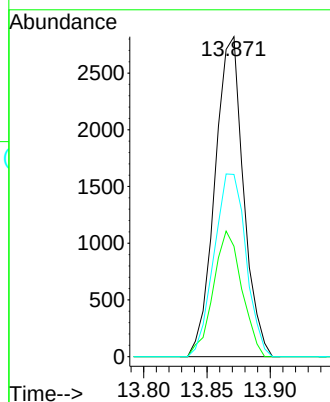
148 63.7 32.6 97.8

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/19/2021

Supervised By :Mahesh Dadoda 11/19/2021



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.372 ug/l

RT: 14.481 min Scan# 2063

Delta R.T. 0.000 min

Lab File: VW020926.D

Acq: 18 Nov 2021 14:32

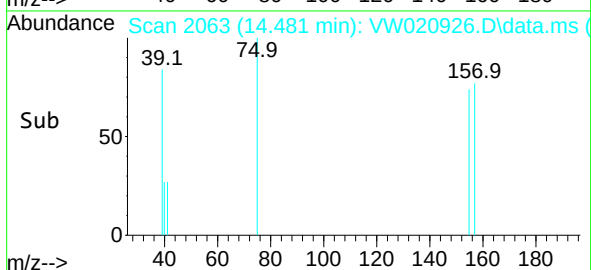
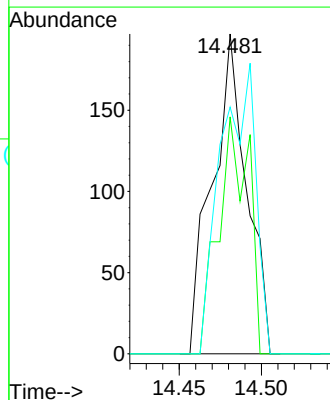
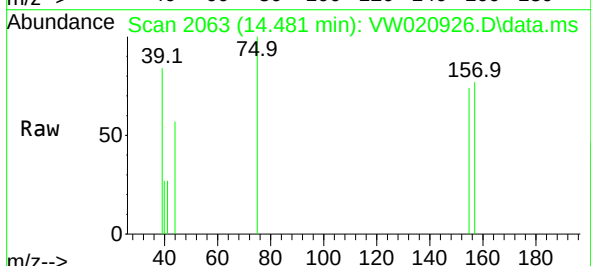
Tgt Ion: 75 Resp: 287

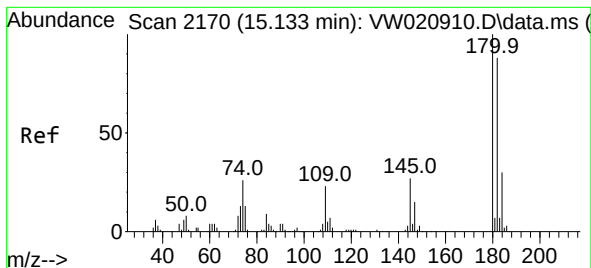
Ion Ratio Lower Upper

75 100

155 65.5 45.9 137.6

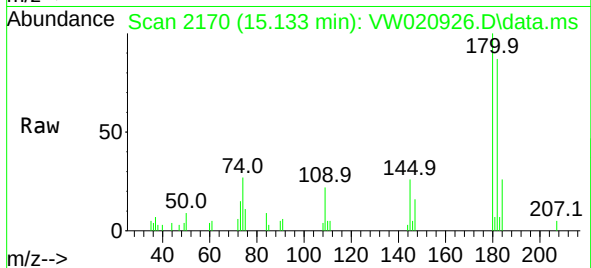
157 92.0 57.8 173.4





#93
1,2,4-Trichlorobenzene
Concen: 2.690 ug/l
RT: 15.133 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

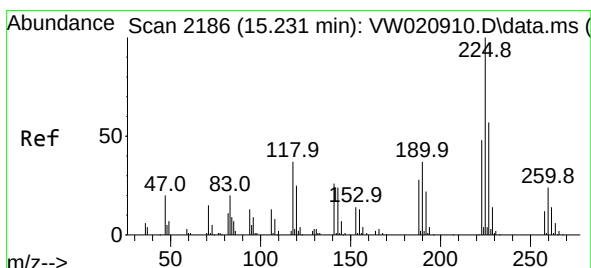
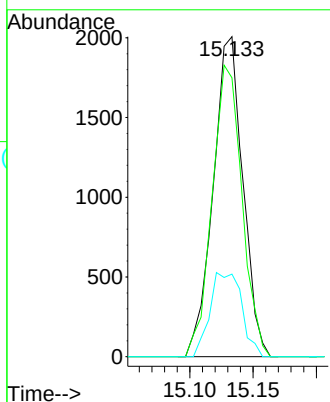
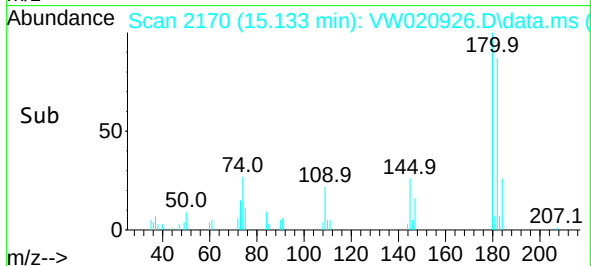
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



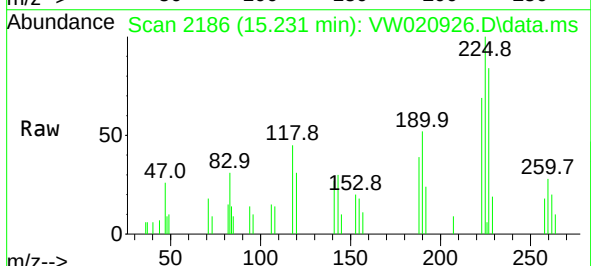
Tgt Ion:180 Resp: 3274
Ion Ratio Lower Upper
180 100
182 91.6 46.5 139.3
145 28.2 15.0 45.1

Manual Integrations
APPROVED

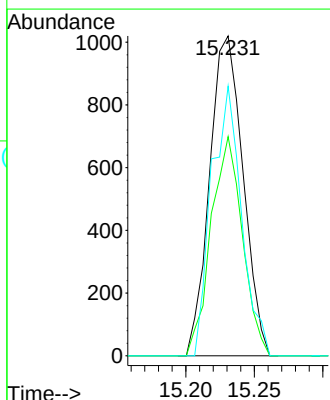
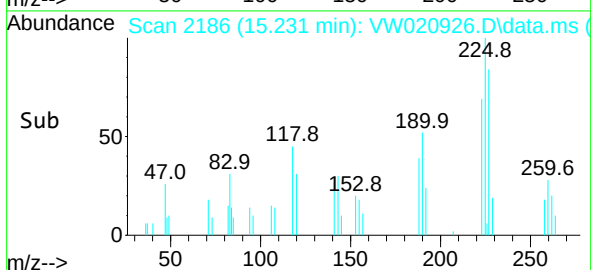
Reviewed By :Vimala Arumugam 11/19/2021
Supervised By :Mahesh Dadoda 11/19/2021

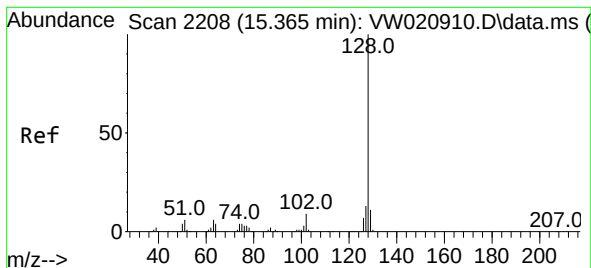


#94
Hexachlorobutadiene
Concen: 2.513 ug/l
RT: 15.231 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32



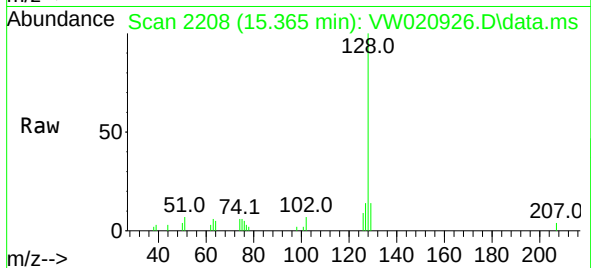
Tgt Ion:225 Resp: 1735
Ion Ratio Lower Upper
225 100
223 64.0 31.1 93.3
227 75.2 32.8 98.3





#95
Naphthalene
Concen: 2.399 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

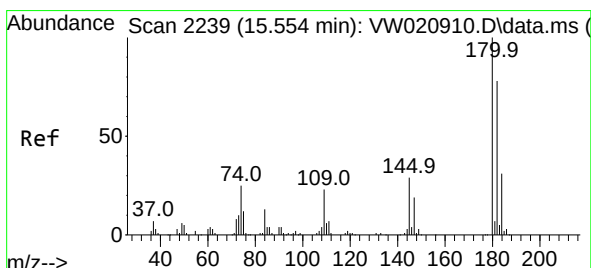
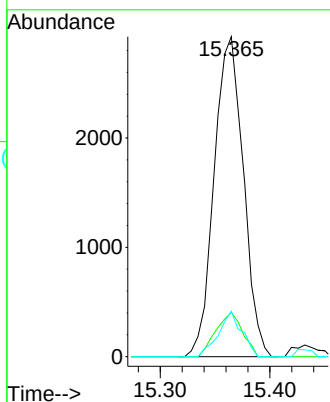
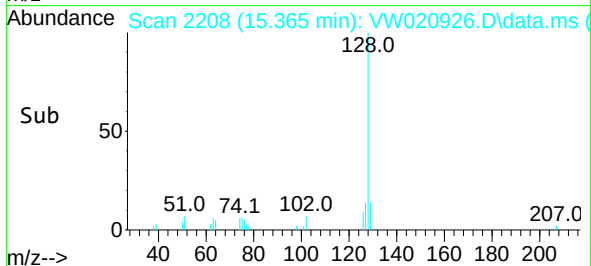
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:128 Resp: 541
Ion Ratio Lower Upper
128 100
127 12.6 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: 2.698 ug/l
RT: 15.554 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VW020926.D
Acq: 18 Nov 2021 14:32

Tgt Ion:180 Resp: 2896
Ion Ratio Lower Upper
180 100
182 88.8 46.2 138.6
145 27.7 14.9 44.5

