

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111721\
 Data File : VW020918.D
 Acq On : 17 Nov 2021 22:12
 Operator : SY/VA
 Sample : M4068-01 4PPBL0D
 Misc : 5.00g/5.0mL/MSVOA_W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

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

Quant Time: Nov 18 05:30:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111721S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 18 05:29:41 2021
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	7.951	168	80060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.841	114	116577	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.628	117	107464	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	56527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	38187	51.493	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.980%			
35) Dibromofluoromethane	7.884	113	37202	50.875	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.760%			
50) Toluene-d8	10.323	98	140840	52.515	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.040%			
62) 4-Bromofluorobenzene	12.615	95	51289	51.279	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 102.560%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.007	85	538	3.695	ug/l	95
3) Chloromethane	2.215	50	2012	4.366	ug/l	99
4) Vinyl Chloride	2.355	62	3149	3.880	ug/l	94
5) Bromomethane	2.769	94	2890	5.533	ug/l	97
6) Chloroethane	2.916	64	1236	3.951	ug/l	95
7) Trichlorofluoromethane	3.245	101	1412	4.195	ug/l	93
8) Diethyl Ether	3.678	74	1588	4.492	ug/l	91
9) 1,1,2-Trichlorotrifluo...	4.062	101	2941	4.236	ug/l	98
10) Methyl Iodide	4.269	142	4017	3.836	ug/l	99
11) Tert butyl alcohol	5.165	59	1288m	19.714	ug/l	
12) 1,1-Dichloroethene	4.037	96	2656	3.904	ug/l	92
13) Acrolein	3.891	56	141	12.477	ug/l #	61
14) Allyl chloride	4.665	41	4030	4.125	ug/l	97
15) Acrylonitrile	5.373	53	3061	20.013	ug/l	98
16) Acetone	4.129	43	3770	24.456	ug/l	98
17) Carbon Disulfide	4.385	76	7295	3.902	ug/l	98
18) Methyl Acetate	4.684	43	2473	4.597	ug/l	91
19) Methyl tert-butyl Ether	5.427	73	5099	4.349	ug/l #	90
20) Methylene Chloride	4.915	84	4591	5.332	ug/l	93
21) trans-1,2-Dichloroethene	5.421	96	3291	4.249	ug/l	92
22) Diisopropyl ether	6.311	45	8137	4.060	ug/l	98
23) Vinyl Acetate	6.257	43	23066	19.666	ug/l	95
24) 1,1-Dichloroethane	6.214	63	5357	4.201	ug/l	97
25) 2-Butanone	7.177	43	4750	21.695	ug/l	95
26) 2,2-Dichloropropane	7.159	77	3991	4.411	ug/l	95
27) cis-1,2-Dichloroethene	7.171	96	3532	4.082	ug/l	95
28) Bromochloromethane	7.512	49	2361	4.375	ug/l #	97
29) Tetrahydrofuran	7.531	42	2740	20.636	ug/l	100
30) Chloroform	7.677	83	5821	4.149	ug/l	94
31) Cyclohexane	7.951	56	6287	5.082	ug/l #	86
32) 1,1,1-Trichloroethane	7.872	97	4921	4.154	ug/l	98
36) 1,1-Dichloropropene	8.086	75	4389	4.191	ug/l	98
37) Ethyl Acetate	7.256	43	2288	4.790	ug/l #	87
38) Carbon Tetrachloride	8.073	117	4488	4.028	ug/l	98
39) Methylcyclohexane	9.335	83	5505	4.187	ug/l	100
40) Benzene	8.323	78	14711	4.927	ug/l	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.494	41	1024	4.020	ug/l	91
42) 1,2-Dichloroethane	8.403	62	4071	4.494	ug/l	100
43) Isopropyl Acetate	8.421	43	3831	4.086	ug/l	98
44) Trichloroethene	9.091	130	3814	4.378	ug/l	99
45) 1,2-Dichloropropane	9.366	63	3005	4.370	ug/l	98
46) Dibromomethane	9.463	93	1959	4.496	ug/l	93
47) Bromodichloromethane	9.646	83	4237	4.110	ug/l	98
48) Methyl methacrylate	9.439	41	1564	3.750	ug/l	97
49) 1,4-Dioxane	9.451	88	565	89.994	ug/l	97
51) 4-Methyl-2-Pentanone	10.213	43	10641	22.293	ug/l	97
52) Toluene	10.384	92	8234	4.290	ug/l	99
53) t-1,3-Dichloropropene	10.603	75	3864	3.775	ug/l	97
54) cis-1,3-Dichloropropene	10.073	75	4692	4.051	ug/l	99
55) 1,1,2-Trichloroethane	10.780	97	2475	4.237	ug/l	98
56) Ethyl methacrylate	10.646	69	3046	4.095	ug/l	97
57) 1,3-Dichloropropane	10.933	76	4272	4.344	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	7451	19.904	ug/l	97
59) 2-Hexanone	10.969	43	6719	20.235	ug/l	97
60) Dibromochloromethane	11.128	129	3037	4.124	ug/l	95
61) 1,2-Dibromoethane	11.231	107	2395	4.132	ug/l	93
64) Tetrachloroethene	10.859	164	3559	4.458	ug/l	89
65) Chlorobenzene	11.652	112	9210	4.263	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.731	131	3311	4.121	ug/l	96
67) Ethyl Benzene	11.731	91	15514	4.092	ug/l	98
68) m/p-Xylenes	11.835	106	12644	8.249	ug/l	99
69) o-Xylene	12.164	106	6149	4.278	ug/l	99
70) Styrene	12.176	104	9828	4.071	ug/l	99
71) Bromoform	12.347	173	1677	3.611	ug/l #	96
73) Isopropylbenzene	12.463	105	15643	4.050	ug/l	100
74) N-amyl acetate	12.274	43	3605	3.918	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.713	83	2752	4.084	ug/l	93
76) 1,2,3-Trichloropropane	12.768	75	2186m	4.304	ug/l	
77) Bromobenzene	12.743	156	4109	4.379	ug/l	97
78) n-propylbenzene	12.804	91	18696	4.109	ug/l	98
79) 2-Chlorotoluene	12.890	91	10830	4.119	ug/l	96
80) 1,3,5-Trimethylbenzene	12.944	105	12808	3.867	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.505	75	710m	3.288	ug/l	
82) 4-Chlorotoluene	12.987	91	11373	4.078	ug/l	99
83) tert-Butylbenzene	13.207	119	12241	4.135	ug/l	97
84) 1,2,4-Trimethylbenzene	13.249	105	13405	4.098	ug/l	99
85) sec-Butylbenzene	13.377	105	17195	4.036	ug/l	97
86) p-Isopropyltoluene	13.493	119	14477	3.941	ug/l	96
87) 1,3-Dichlorobenzene	13.499	146	7984	4.199	ug/l	97
88) 1,4-Dichlorobenzene	13.578	146	8183	4.282	ug/l	93
89) n-Butylbenzene	13.822	91	13318	4.038	ug/l	98
90) Hexachloroethane	14.091	117	2653	3.835	ug/l	89
91) 1,2-Dichlorobenzene	13.871	146	7165	4.289	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.481	75	467	3.946	ug/l	96
93) 1,2,4-Trichlorobenzene	15.133	180	5329	4.477	ug/l	97
94) Hexachlorobutadiene	15.231	225	3012	4.462	ug/l	93
95) Naphthalene	15.365	128	9540	4.324	ug/l	99
96) 1,2,3-Trichlorobenzene	15.548	180	4437	4.227	ug/l	95

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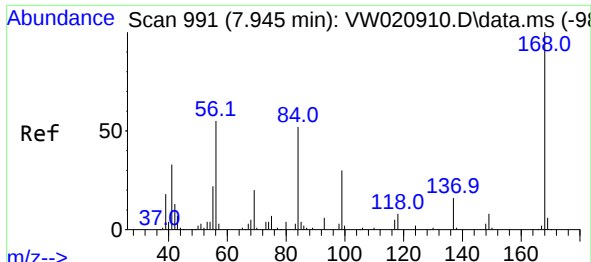
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

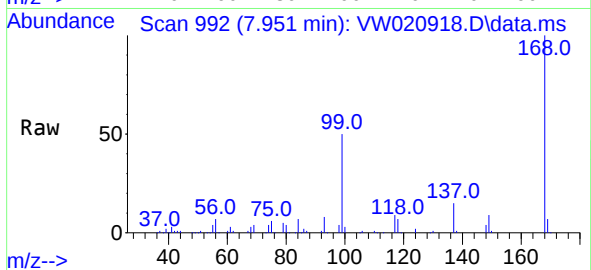
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#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.951 min Scan# 991
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

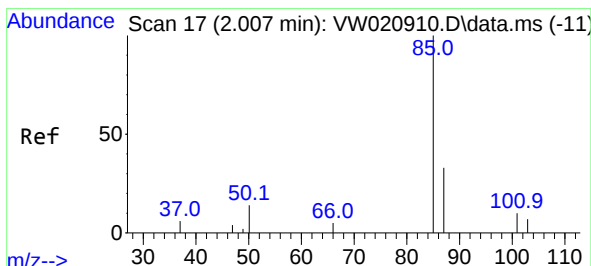
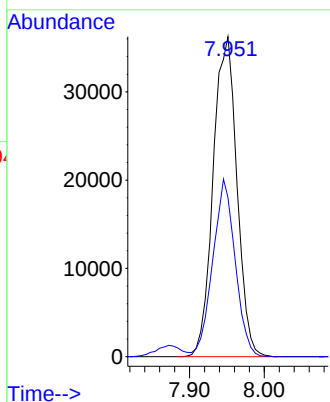
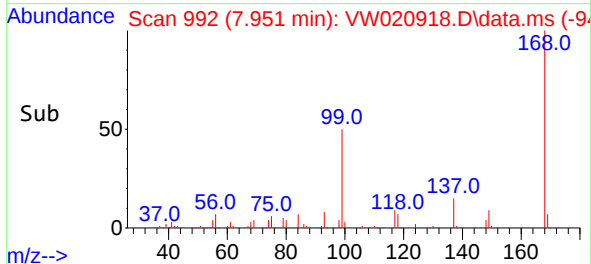
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:168 Resp: 80060
Ion Ratio Lower Upper
168 100
99 49.8 41.6 62.4

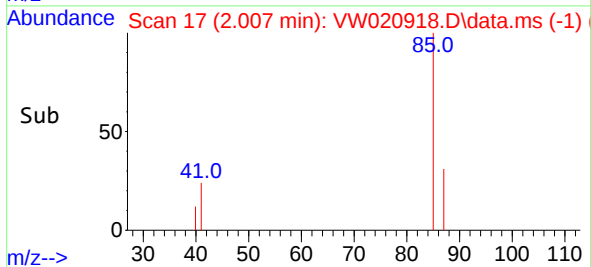
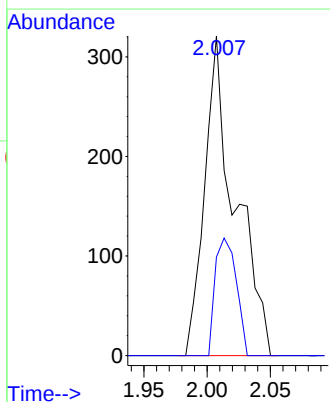
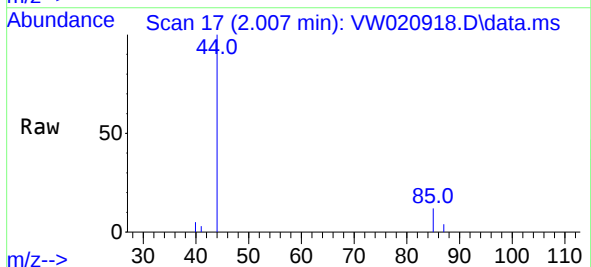
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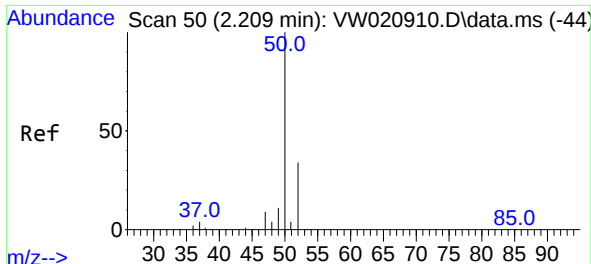
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#2
Dichlorodifluoromethane
Concen: 3.695 ug/l
RT: 2.007 min Scan# 17
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

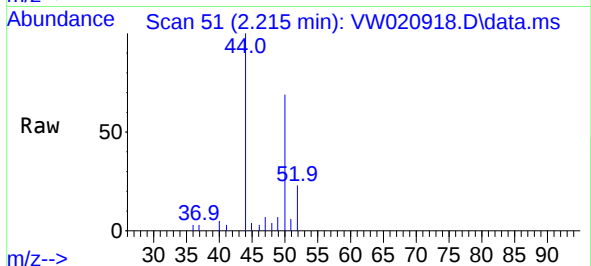
Tgt Ion: 85 Resp: 538
Ion Ratio Lower Upper
85 100
87 30.8 16.8 50.3





#3
Chloromethane
Concen: 4.366 ug/l
RT: 2.215 min Scan# 51
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

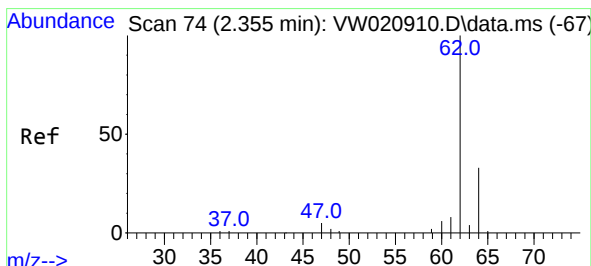
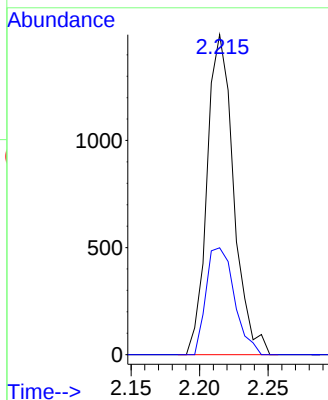
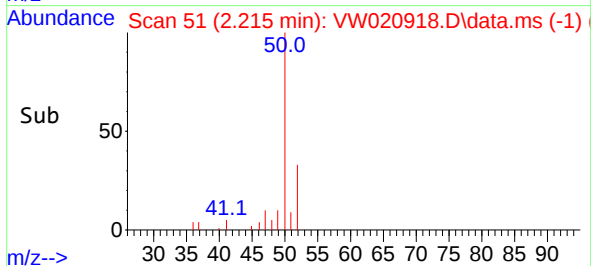
Instrument :
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Tgt Ion: 50 Resp: 201
Ion Ratio Lower Upper
50 100
52 33.4 27.2 40.8

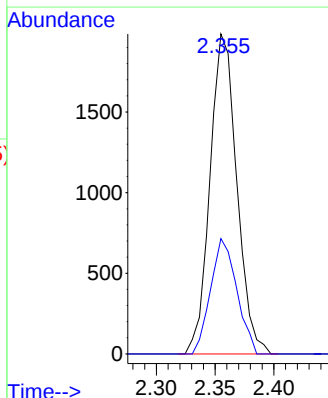
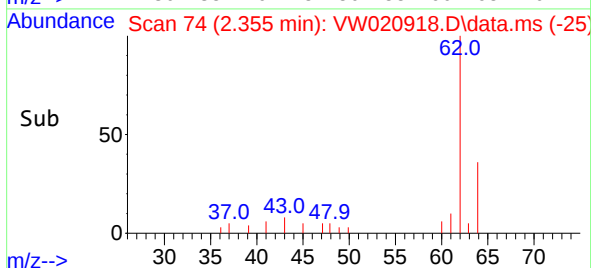
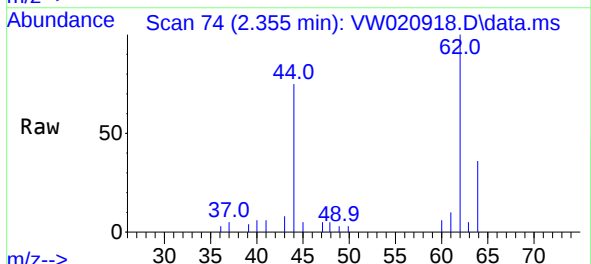
Manual Integrations
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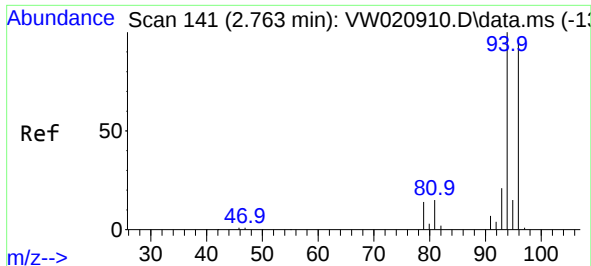
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#4
Vinyl Chloride
Concen: 3.880 ug/l
RT: 2.355 min Scan# 74
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

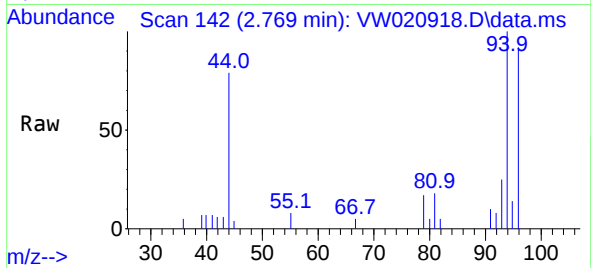
Tgt Ion: 62 Resp: 3149
Ion Ratio Lower Upper
62 100
64 36.0 26.2 39.4





#5
Bromomethane
Concen: 5.533 ug/l
RT: 2.769 min Scan# 141
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

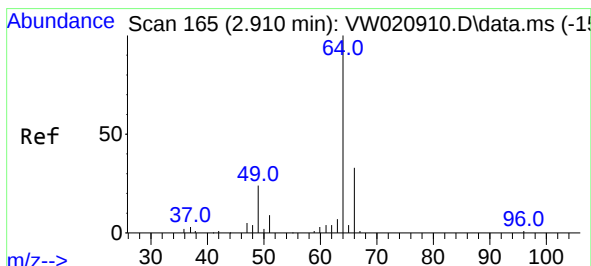
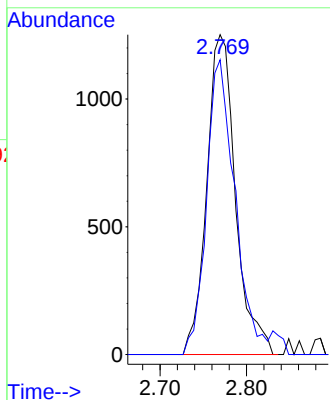
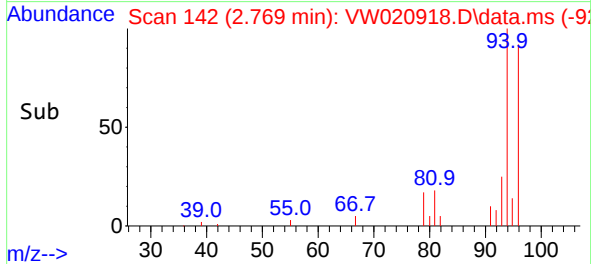
Instrument :
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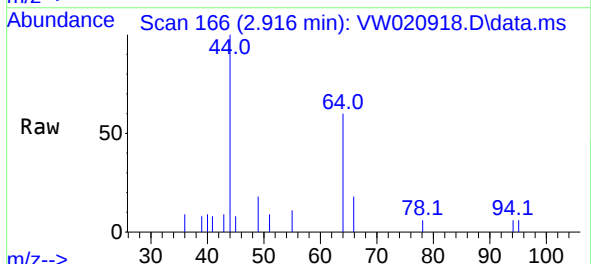
Tgt Ion: 94 Resp: 2890
Ion Ratio Lower Upper
94 100
96 92.2 76.4 114.6

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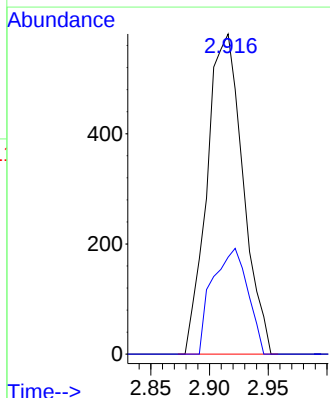
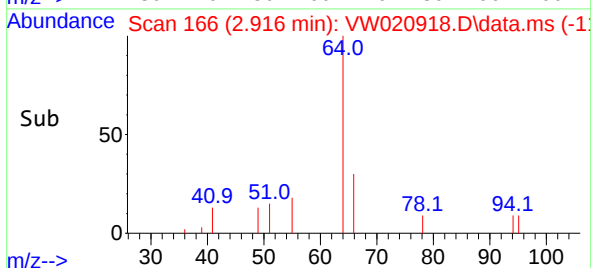
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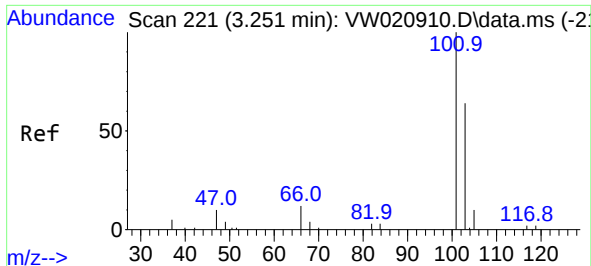


#6
Chloroethane
Concen: 3.951 ug/l
RT: 2.916 min Scan# 166
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



Tgt Ion: 64 Resp: 1236
Ion Ratio Lower Upper
64 100
66 30.3 26.7 40.1





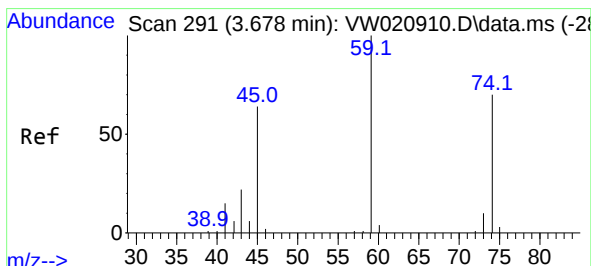
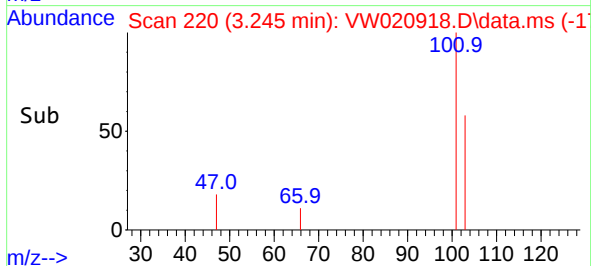
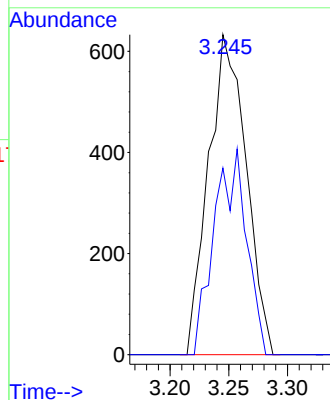
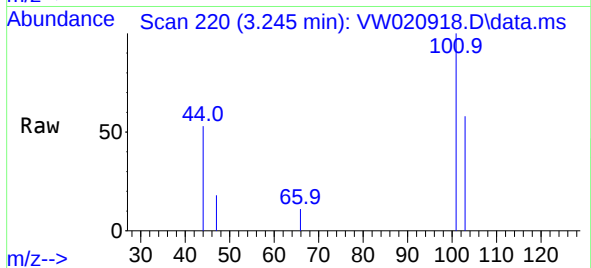
#7
Trichlorofluoromethane
Concen: 4.195 ug/l
RT: 3.245 min Scan# 211
Delta R.T. -0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion:101 Resp: 141
Ion Ratio Lower Upper
101 100
103 58.3 50.9 76.3

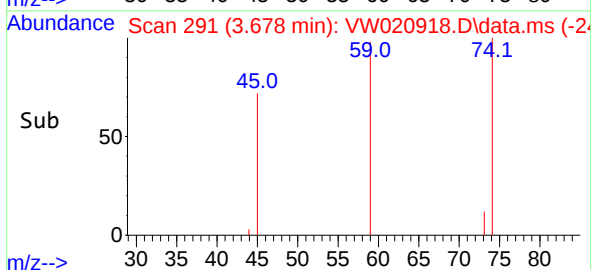
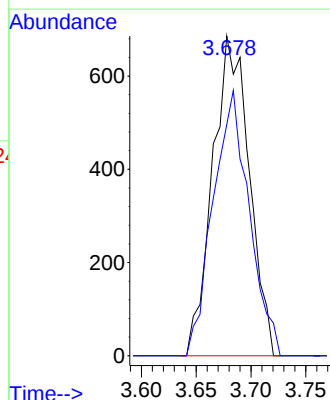
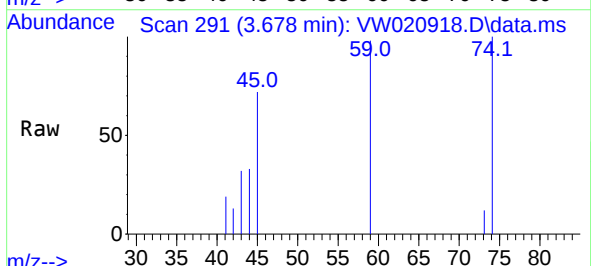
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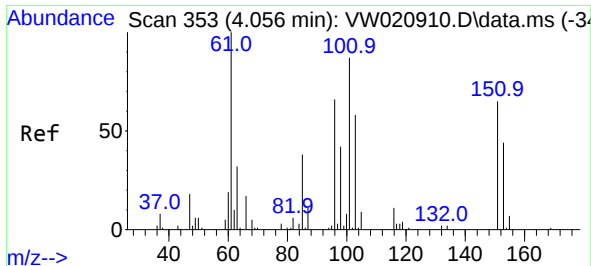
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#8
Diethyl Ether
Concen: 4.492 ug/l
RT: 3.678 min Scan# 291
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

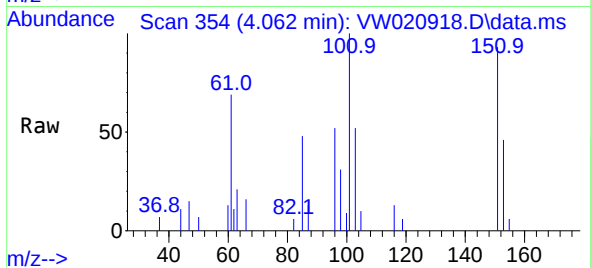
Tgt Ion: 74 Resp: 1588
Ion Ratio Lower Upper
74 100
45 82.1 45.3 135.8





#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.236 ug/l
RT: 4.062 min Scan# 354
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

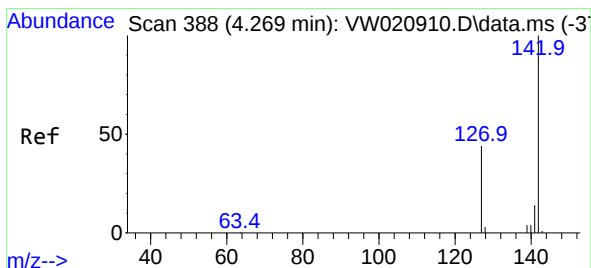
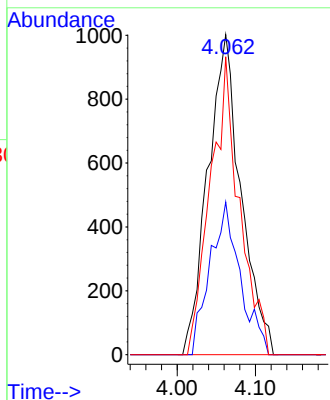
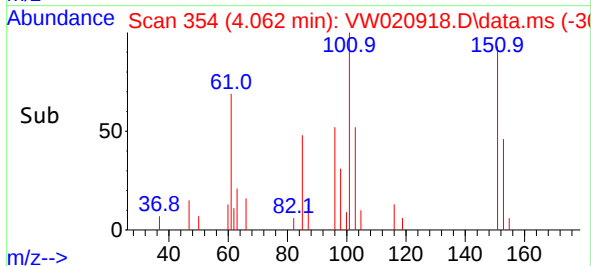
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:101 Resp: 294
Ion Ratio Lower Upper
101 100
85 43.6 36.6 54.8
151 81.7 66.3 99.5

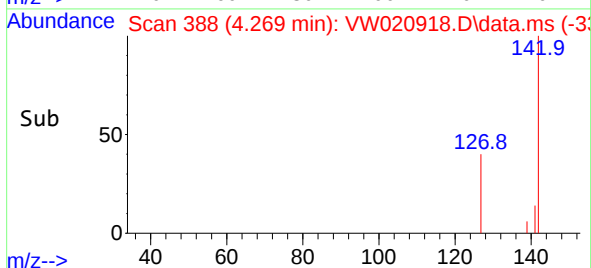
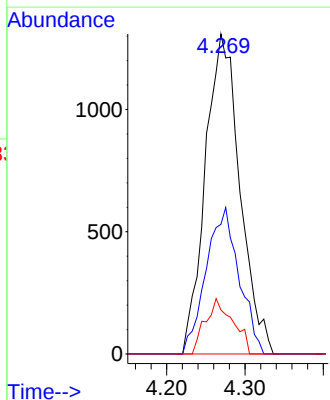
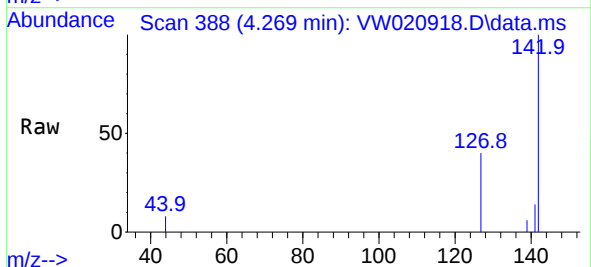
Manual Integrations
APPROVED

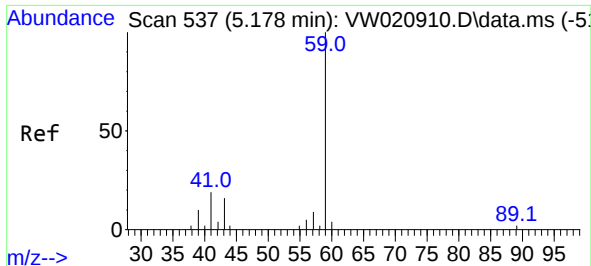
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#10
Methyl Iodide
Concen: 3.836 ug/l
RT: 4.269 min Scan# 388
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

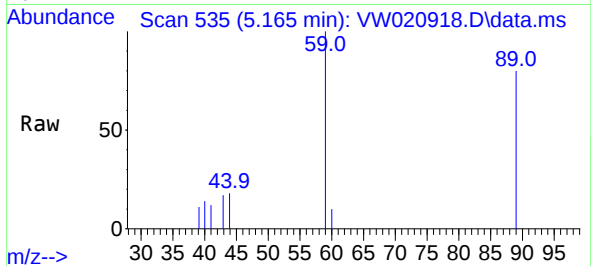
Tgt Ion:142 Resp: 4017
Ion Ratio Lower Upper
142 100
127 43.6 35.5 53.3
141 13.8 11.5 17.3





#11
Tert butyl alcohol
Concen: 19.714 ug/l m
RT: 5.165 min Scan# 51
Delta R.T. -0.013 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

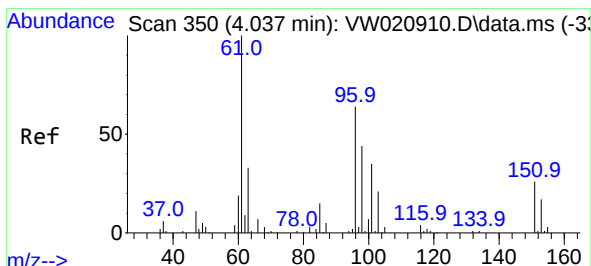
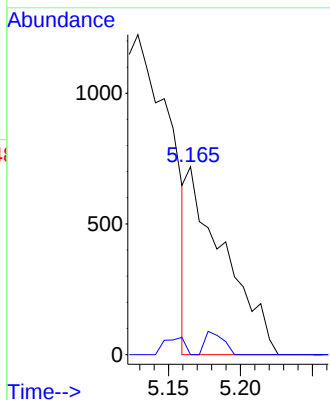
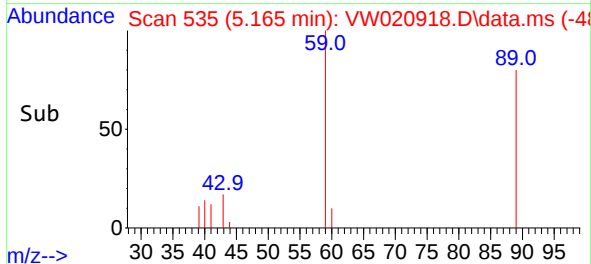
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



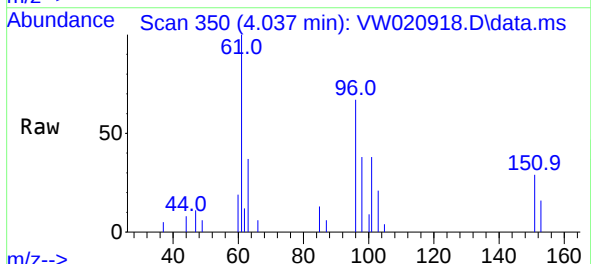
Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5

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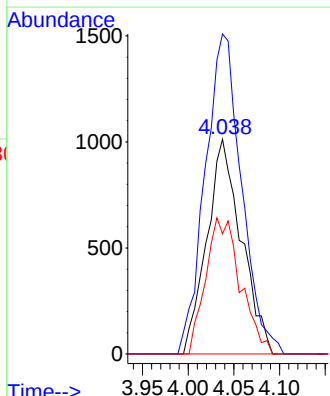
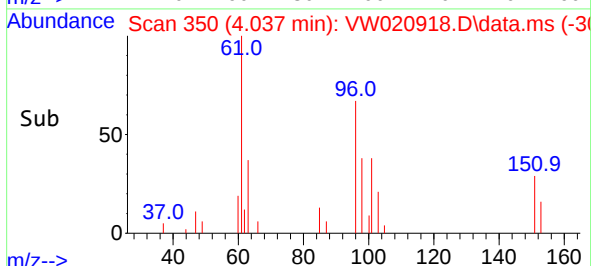
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

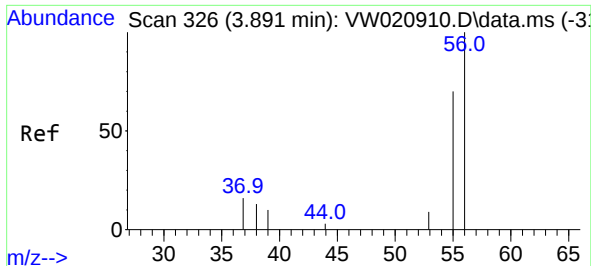


#12
1,1-Dichloroethene
Concen: 3.904 ug/l
RT: 4.037 min Scan# 350
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



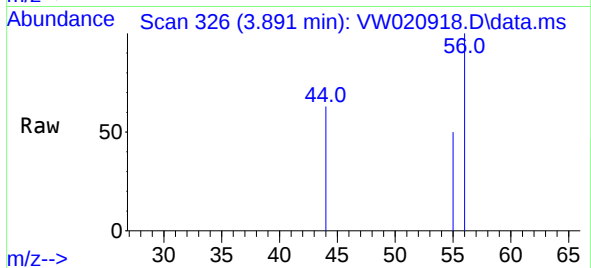
Tgt Ion: 96 Resp: 2656
Ion Ratio Lower Upper
96 100
61 149.0 124.4 186.6
98 56.0 54.2 81.2





#13
Acrolein
Concen: 12.477 ug/l
RT: 3.891 min Scan# 31
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

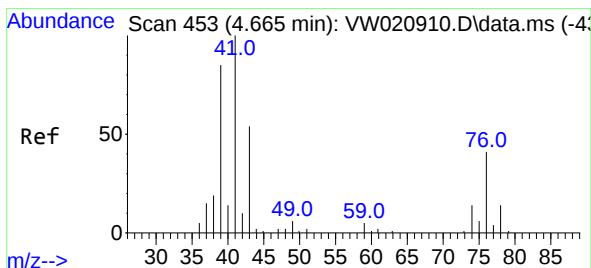
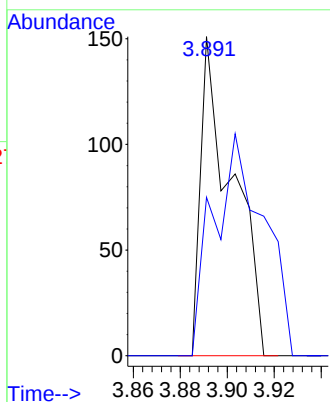
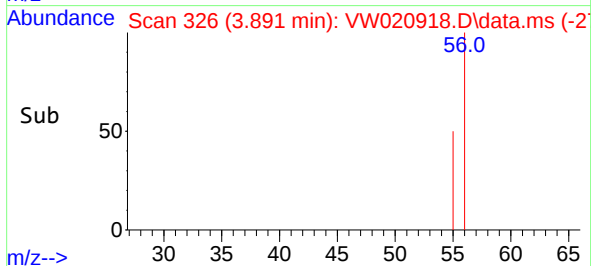
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



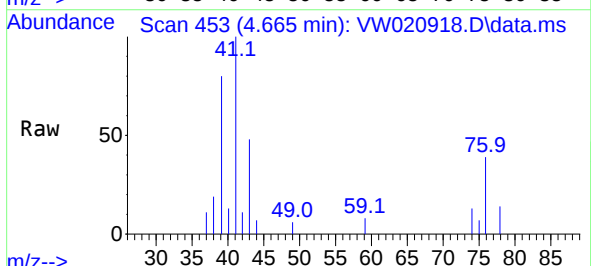
Tgt Ion: 56 Resp: 14
Ion Ratio Lower Upper
56 100
55 109.9 61.2 91.8

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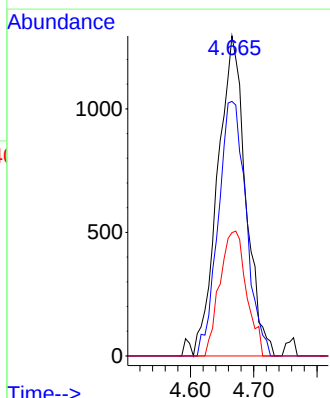
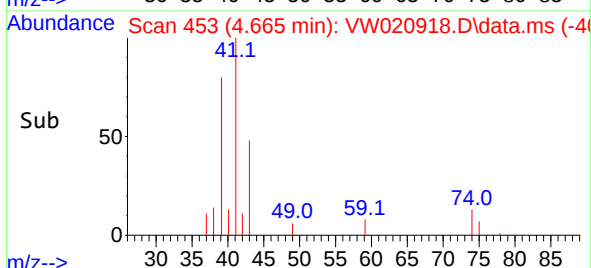
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

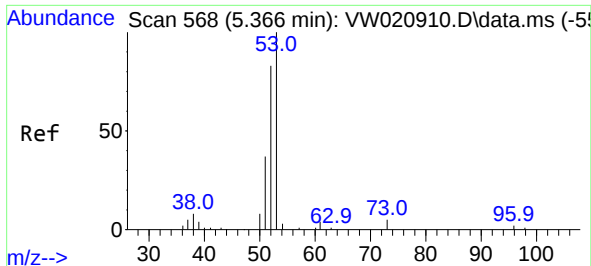


#14
Allyl chloride
Concen: 4.125 ug/l
RT: 4.665 min Scan# 453
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



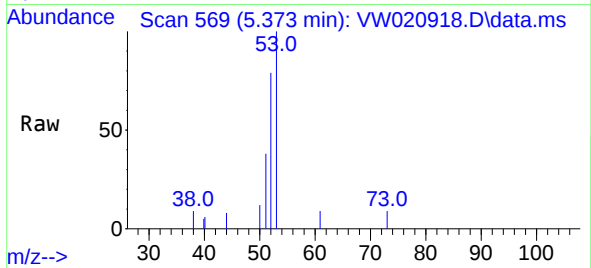
Tgt Ion: 41 Resp: 4030
Ion Ratio Lower Upper
41 100
39 78.3 63.4 95.2
76 36.7 32.2 48.4





#15
Acrylonitrile
Concen: 20.013 ug/l
RT: 5.373 min Scan# 50
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

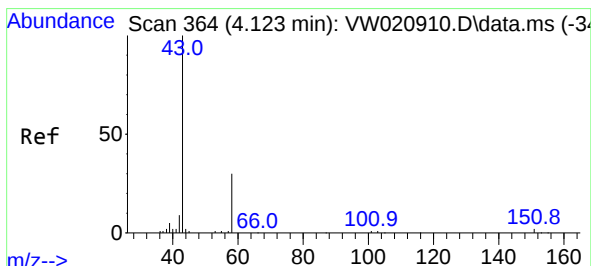
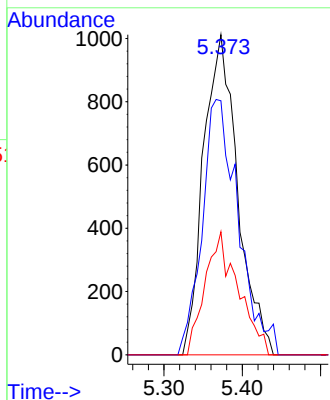
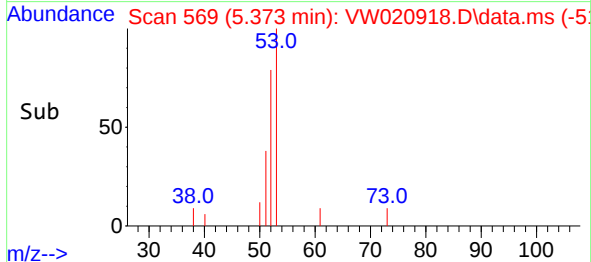
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



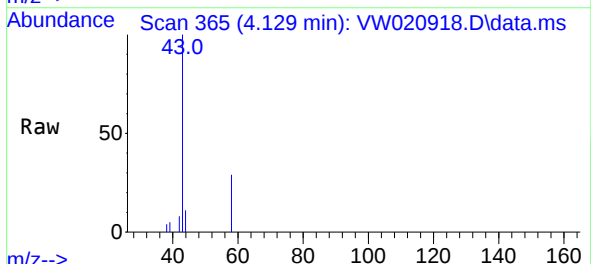
Tgt Ion: 53 Resp: 306
Ion Ratio Lower Upper
53 100
52 84.7 65.9 98.9
51 37.4 29.8 44.6

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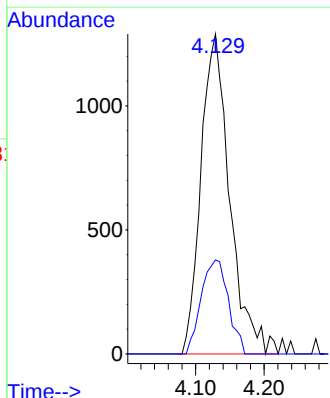
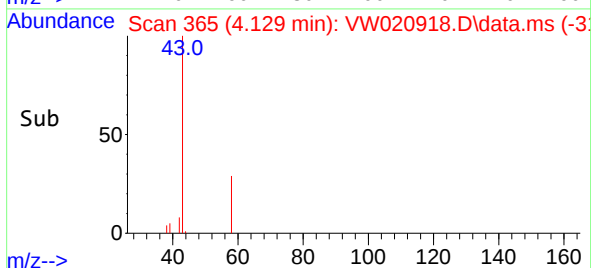
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

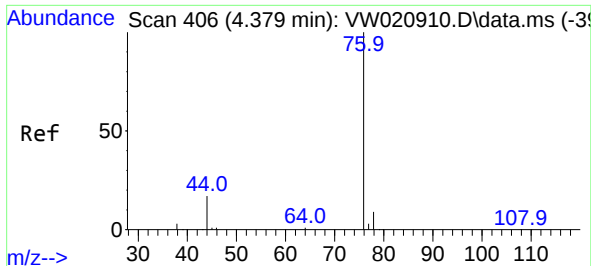


#16
Acetone
Concen: 24.456 ug/l
RT: 4.129 min Scan# 365
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



Tgt Ion: 43 Resp: 3770
Ion Ratio Lower Upper
43 100
58 29.4 24.2 36.2





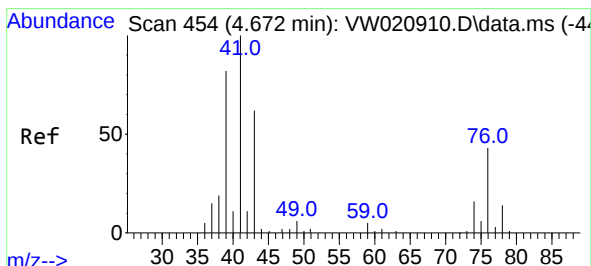
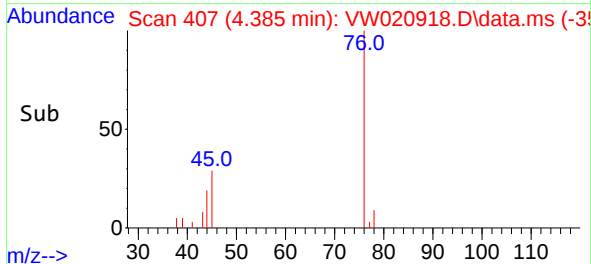
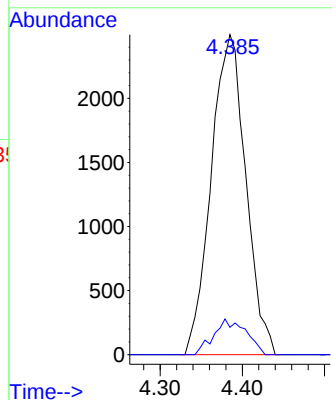
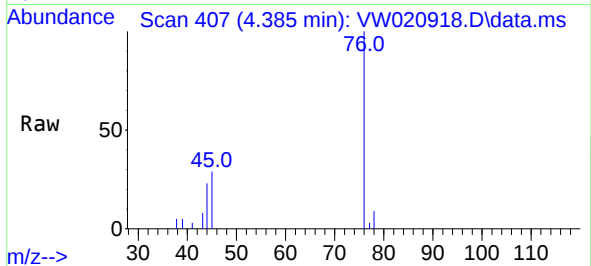
#17
Carbon Disulfide
Concen: 3.902 ug/l
RT: 4.385 min Scan# 406
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion: 76 Resp: 729
Ion Ratio Lower Upper
76 100
78 8.5 7.3 10.9

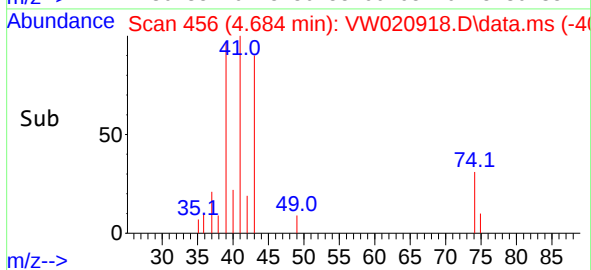
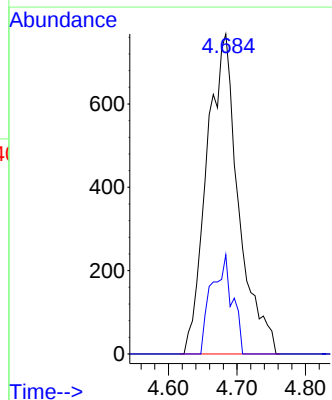
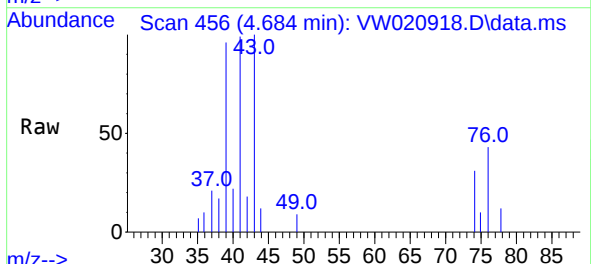
Manual Integrations
APPROVED

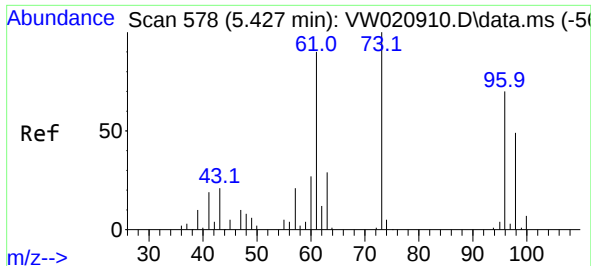
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#18
Methyl Acetate
Concen: 4.597 ug/l
RT: 4.684 min Scan# 456
Delta R.T. 0.012 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

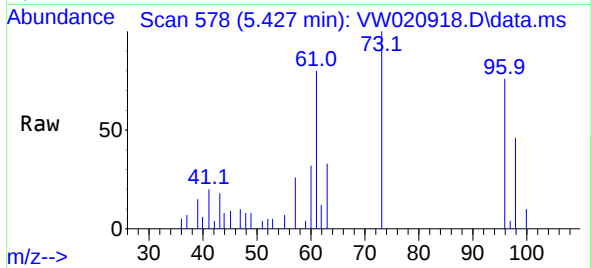
Tgt Ion: 43 Resp: 2473
Ion Ratio Lower Upper
43 100
74 20.3 19.7 29.5





#19
Methyl tert-butyl Ether
Concen: 4.349 ug/l
RT: 5.427 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

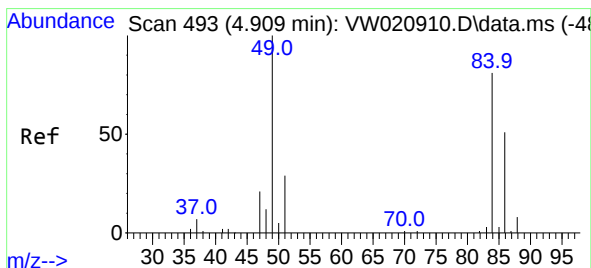
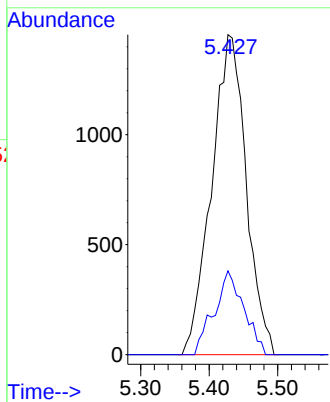
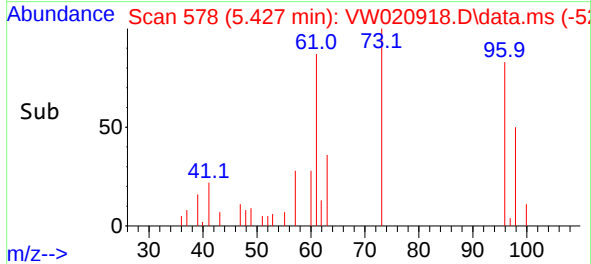
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 73 Resp: 509
Ion Ratio Lower Upper
73 100
57 26.2 17.0 25.6

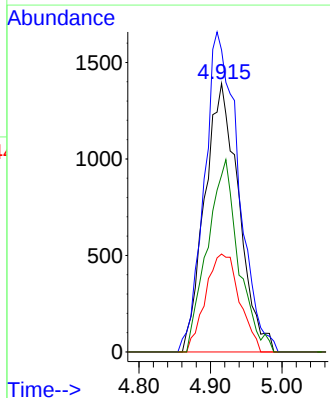
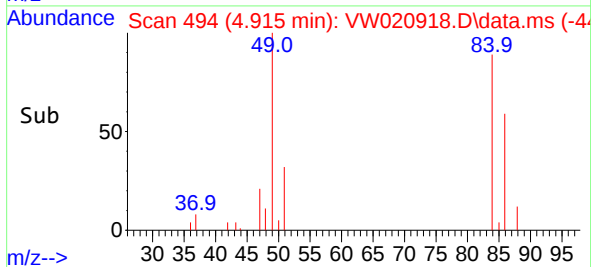
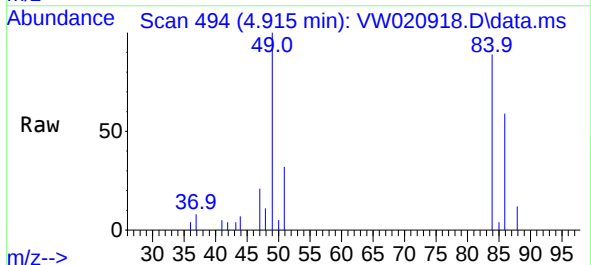
Manual Integrations
APPROVED

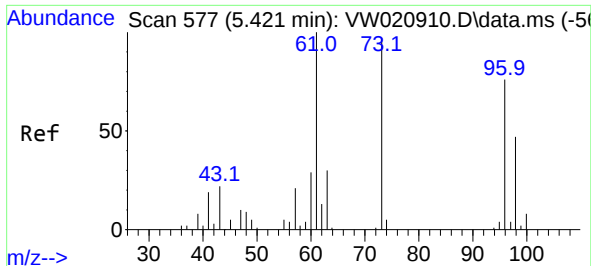
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#20
Methylene Chloride
Concen: 5.332 ug/l
RT: 4.915 min Scan# 494
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

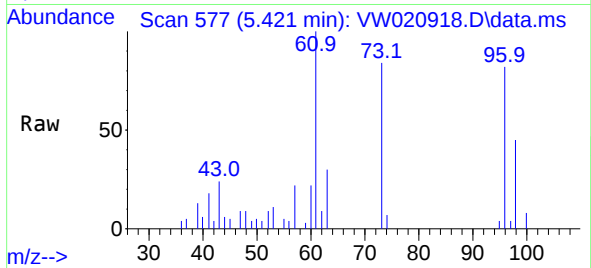
Tgt Ion: 84 Resp: 4591
Ion Ratio Lower Upper
84 100
49 112.4 99.1 148.7
51 36.4 28.8 43.2
86 65.8 50.1 75.1





#21
trans-1,2-Dichloroethene
Concen: 4.249 ug/l
RT: 5.421 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

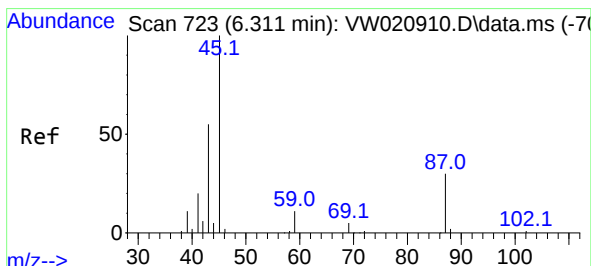
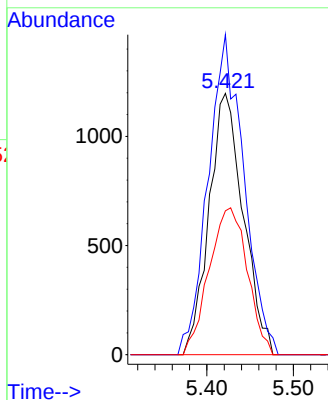
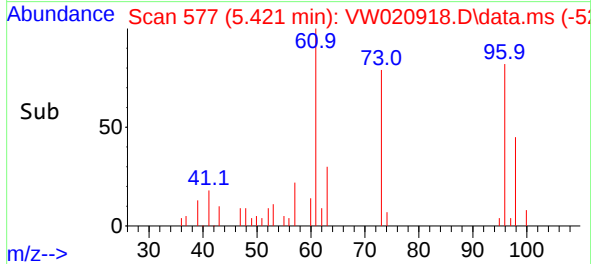
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 96 Resp: 329
Ion Ratio Lower Upper
96 100
61 122.5 105.7 158.5
98 55.1 49.7 74.5

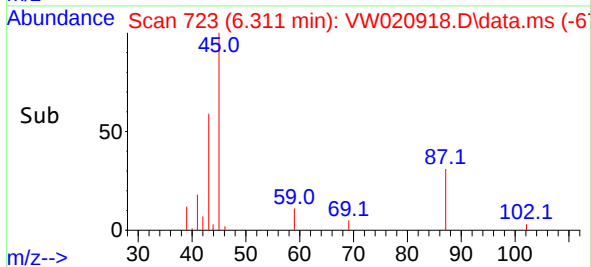
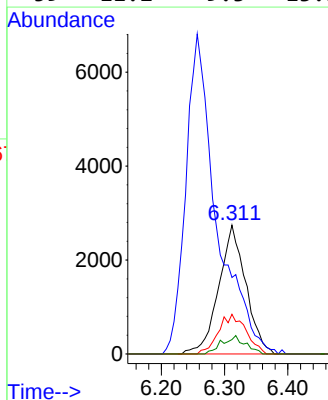
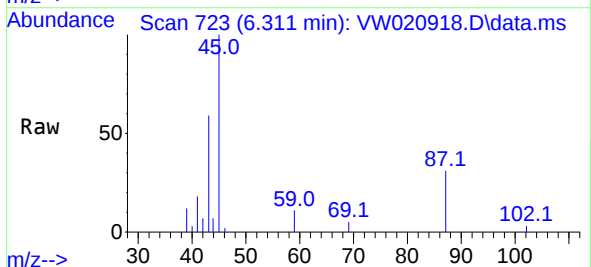
Manual Integrations
APPROVED

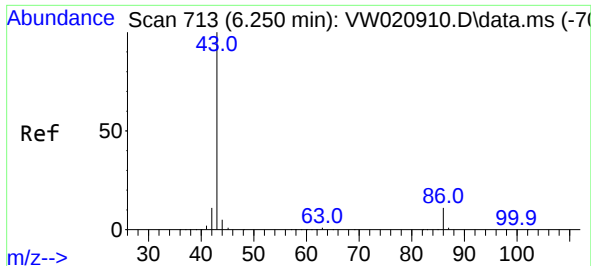
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#22
Diisopropyl ether
Concen: 4.060 ug/l
RT: 6.311 min Scan# 723
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

Tgt Ion: 45 Resp: 8137
Ion Ratio Lower Upper
45 100
43 59.4 46.2 69.4
87 30.8 25.0 37.6
59 11.2 9.3 13.9





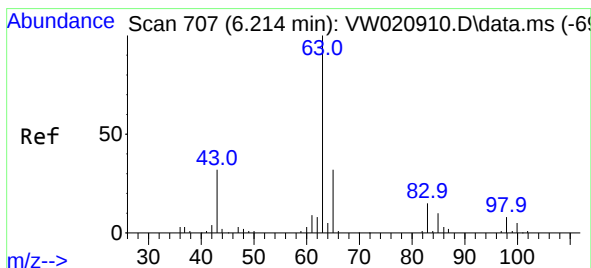
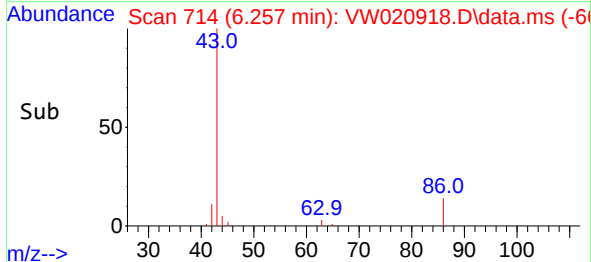
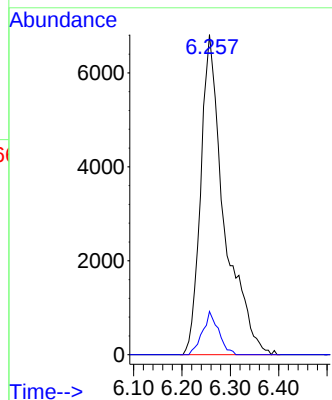
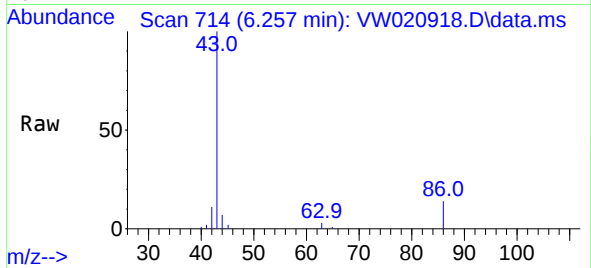
#23
Vinyl Acetate
Concen: 19.666 ug/l
RT: 6.257 min Scan# 713
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion: 43 Resp: 2306
Ion Ratio Lower Upper
43 100
86 13.5 9.2 13.8

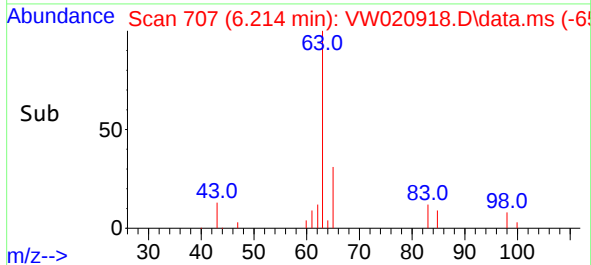
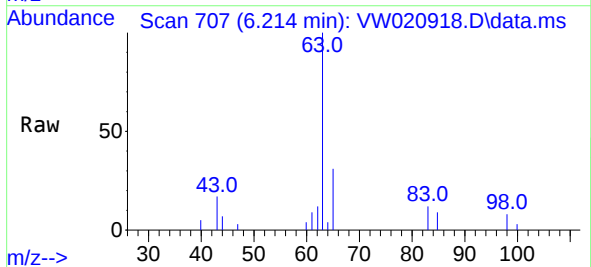
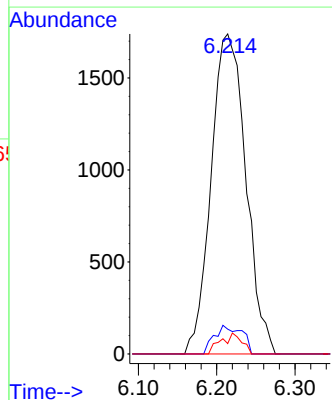
Manual Integrations
APPROVED

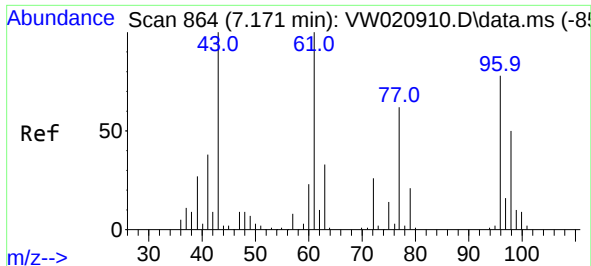
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#24
1,1-Dichloroethane
Concen: 4.201 ug/l
RT: 6.214 min Scan# 707
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

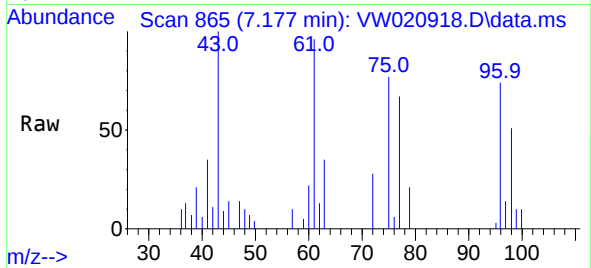
Tgt Ion: 63 Resp: 5357
Ion Ratio Lower Upper
63 100
98 7.8 4.0 12.2
100 3.3 2.6 8.0





#25
2-Butanone
Concen: 21.695 ug/l
RT: 7.177 min Scan# 865
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

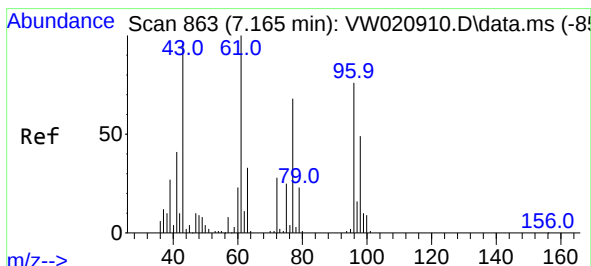
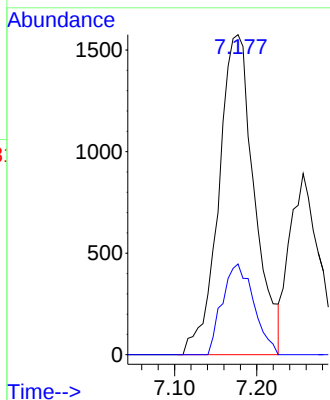
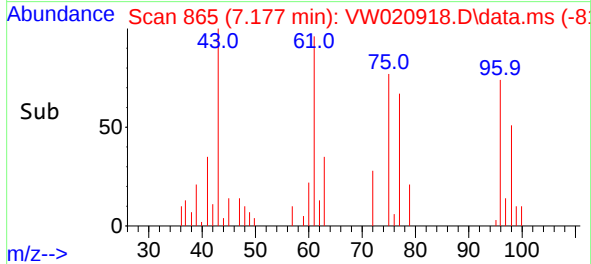
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



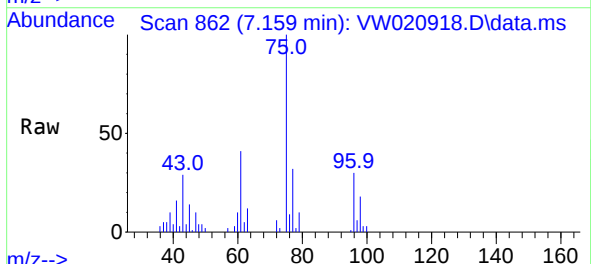
Tgt Ion: 43 Resp: 4750
Ion Ratio Lower Upper
43 100
72 28.4 20.7 31.1

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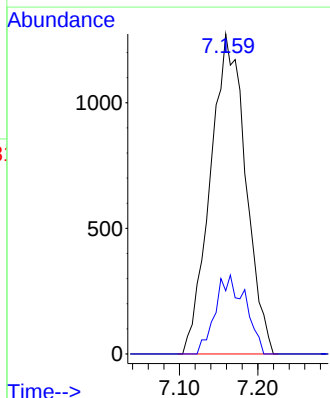
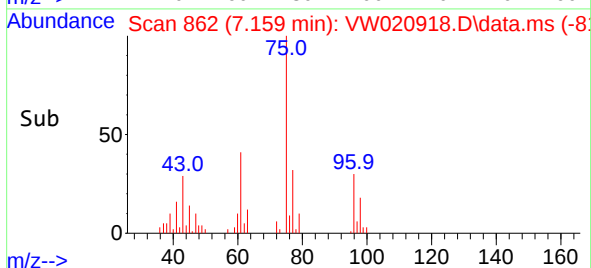
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

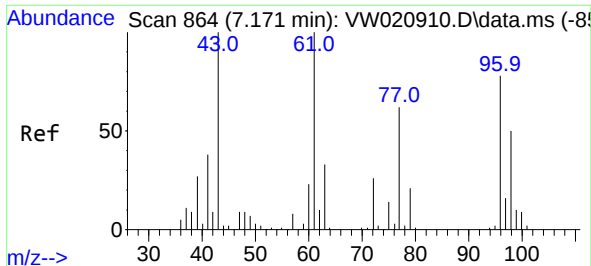


#26
2,2-Dichloropropane
Concen: 4.411 ug/l
RT: 7.159 min Scan# 862
Delta R.T. -0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



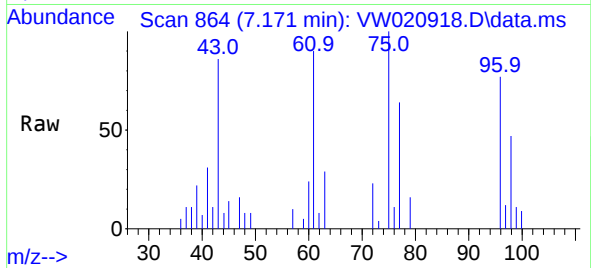
Tgt Ion: 77 Resp: 3991
Ion Ratio Lower Upper
77 100
97 20.9 11.7 35.1





#27
 cis-1,2-Dichloroethene
 Concen: 4.082 ug/l
 RT: 7.171 min Scan# 864
 Delta R.T. 0.000 min
 Lab File: VW020918.D
 Acq: 17 Nov 2021 22:12

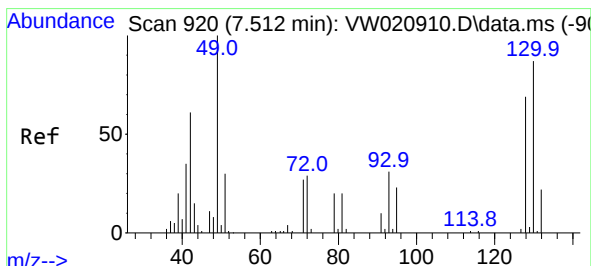
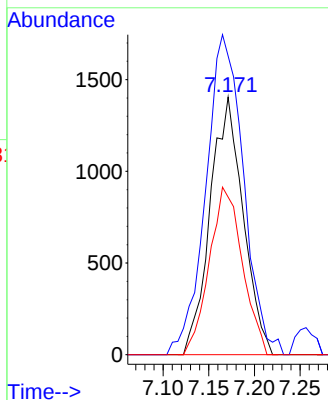
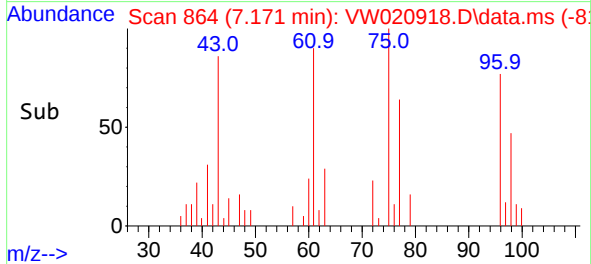
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 96 Resp: 3532
 Ion Ratio Lower Upper
 96 100
 61 141.8 0.0 266.6
 98 65.2 0.0 129.4

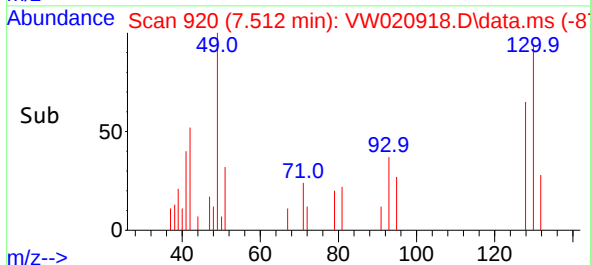
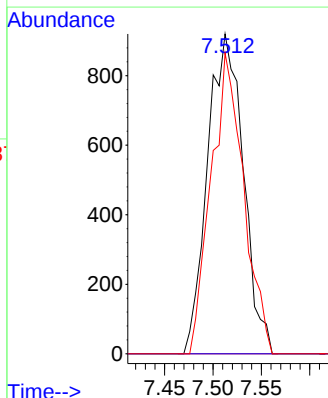
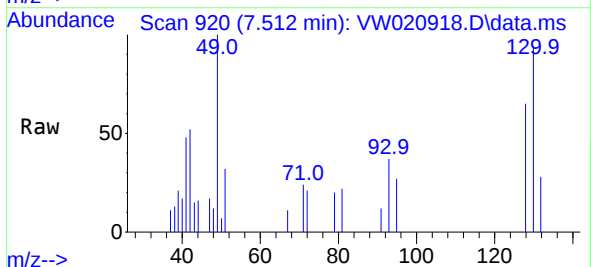
Manual Integrations
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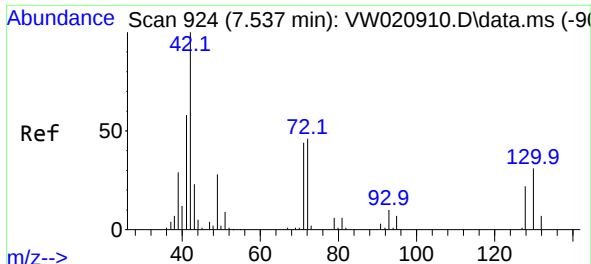
Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021



#28
 Bromochloromethane
 Concen: 4.375 ug/l
 RT: 7.512 min Scan# 920
 Delta R.T. 0.000 min
 Lab File: VW020918.D
 Acq: 17 Nov 2021 22:12

Tgt Ion: 49 Resp: 2361
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.4
 130 85.8 70.8 106.2





#29

Tetrahydrofuran

Concen: 20.636 ug/l

RT: 7.531 min Scan# 91

Delta R.T. -0.006 min

Lab File: VW020918.D

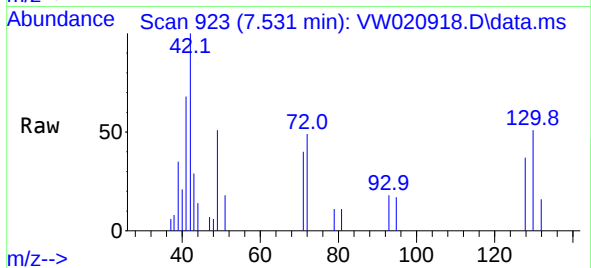
Acq: 17 Nov 2021 22:12

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



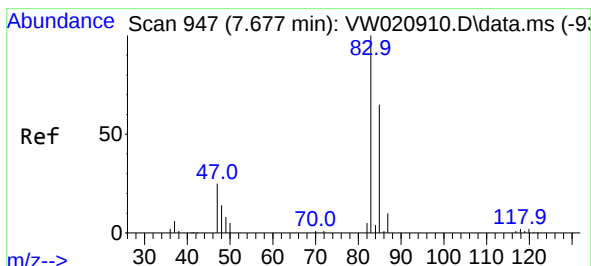
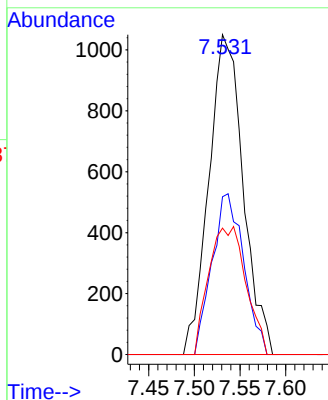
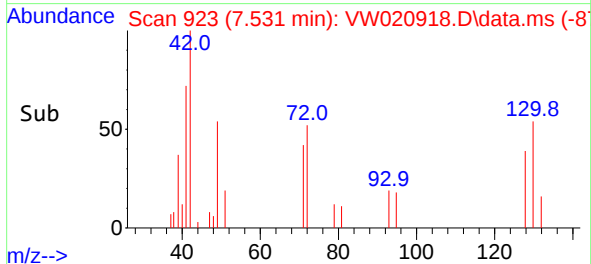
Tgt Ion: 42 Resp: 2740

Ion	Ratio	Lower	Upper
42	100		
72	46.5	37.4	56.0
71	43.4	34.7	52.1

Manual Integrations

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



#30

Chloroform

Concen: 4.149 ug/l

RT: 7.677 min Scan# 947

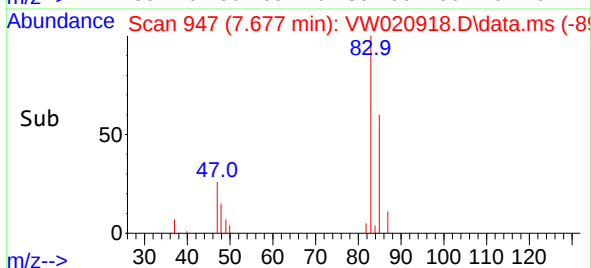
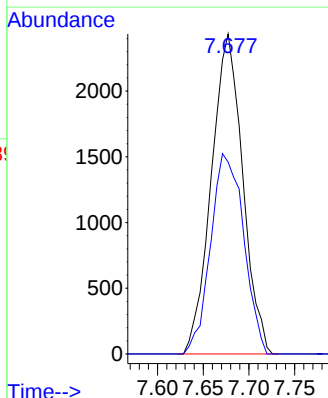
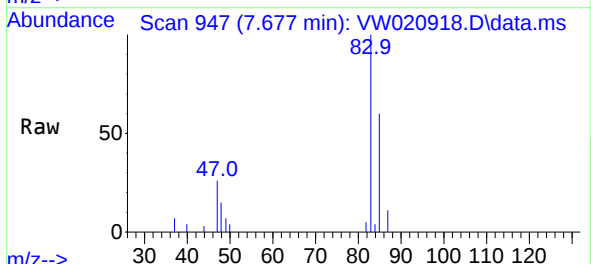
Delta R.T. 0.000 min

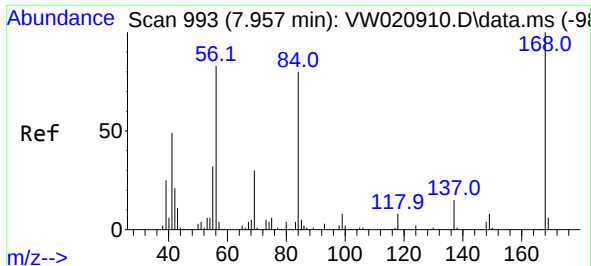
Lab File: VW020918.D

Acq: 17 Nov 2021 22:12

Tgt Ion: 83 Resp: 5821

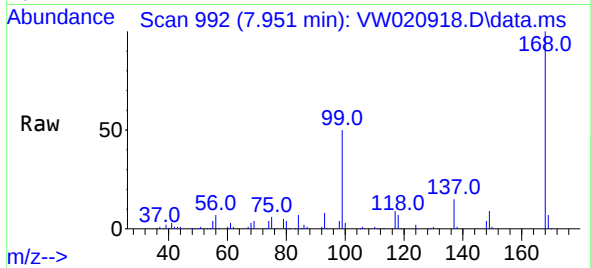
Ion	Ratio	Lower	Upper
83	100		
85	60.0	51.7	77.5





#31
Cyclohexane
Concen: 5.082 ug/l
RT: 7.951 min Scan# 993
Delta R.T. -0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

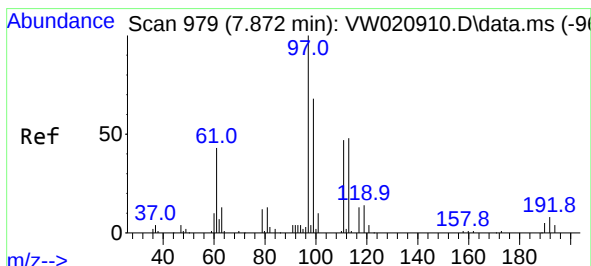
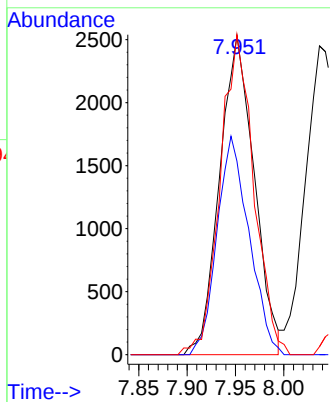
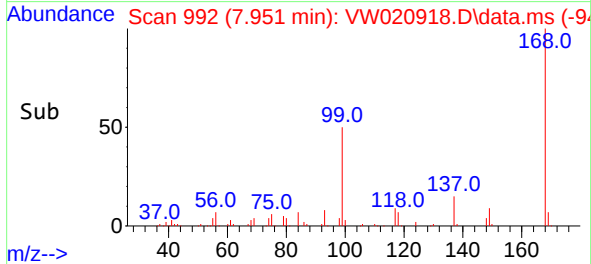
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 56 Resp: 628
Ion Ratio Lower Upper
56 100
69 60.7 28.7 43.1
84 100.4 77.6 116.4

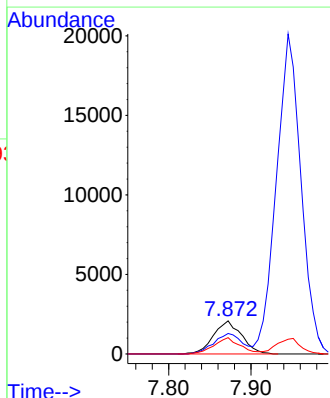
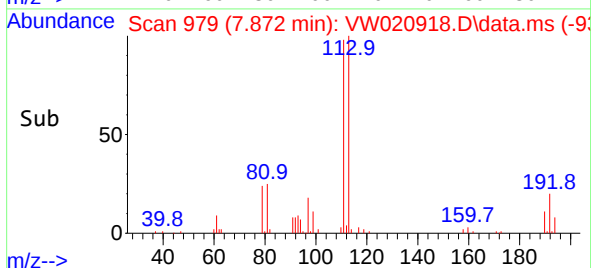
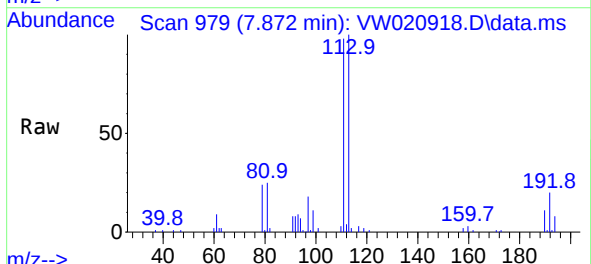
Manual Integrations
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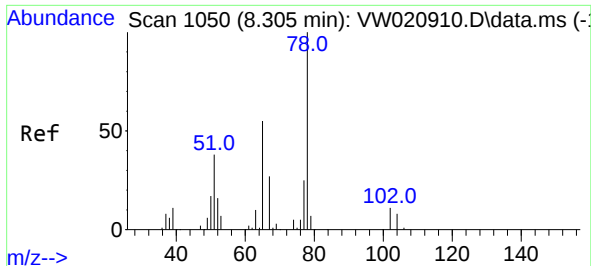
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#32
1,1,1-Trichloroethane
Concen: 4.154 ug/l
RT: 7.872 min Scan# 979
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

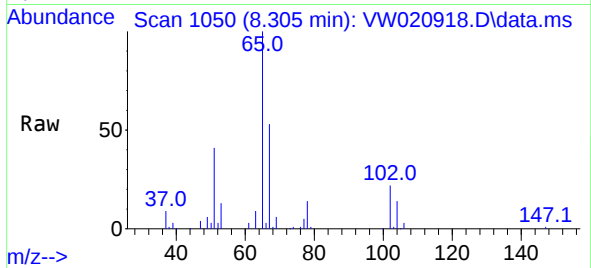
Tgt Ion: 97 Resp: 4921
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 45.8 34.2 51.2





#33
1,2-Dichloroethane-d4
Concen: 51.493 ug/l
RT: 8.305 min Scan# 1050
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

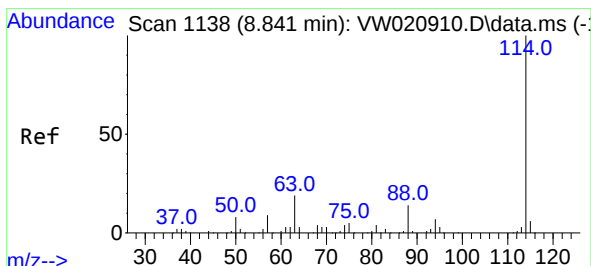
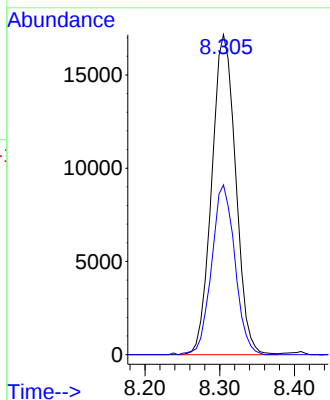
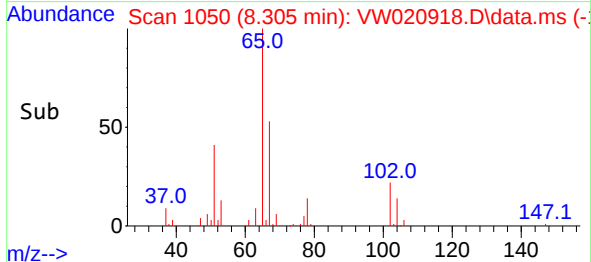
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



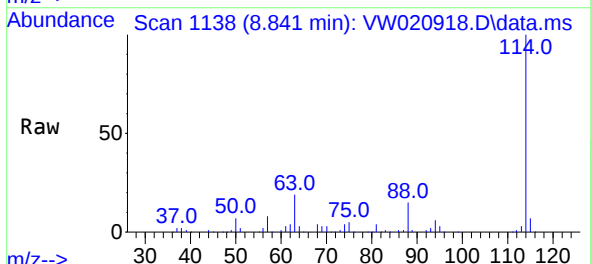
Tgt Ion: 65 Resp: 3818
Ion Ratio Lower Upper
65 100
67 51.7 0.0 100.2

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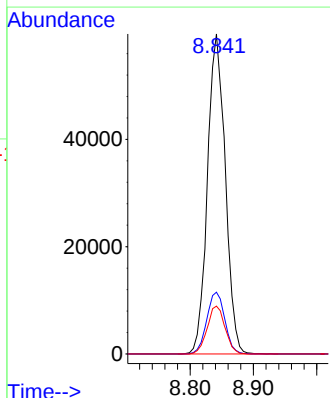
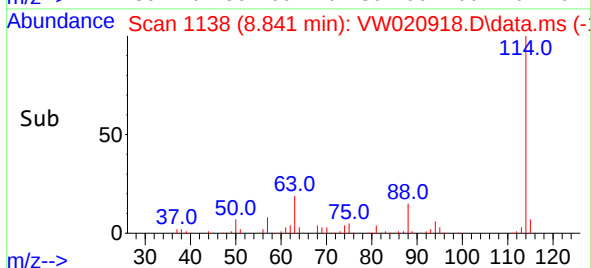
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

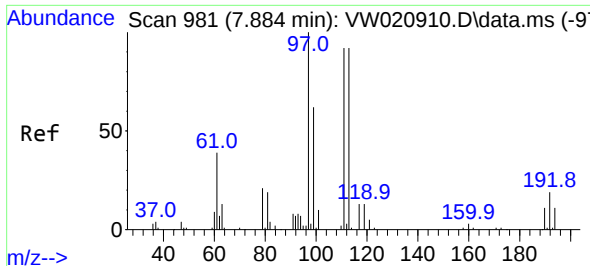


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.841 min Scan# 1138
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



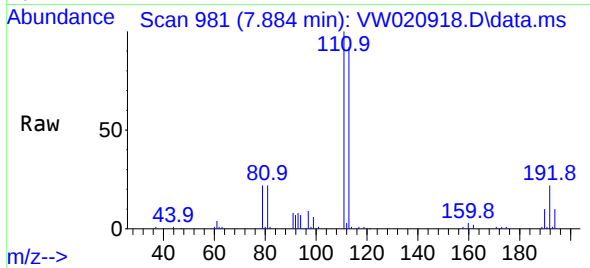
Tgt Ion:114 Resp: 116577
Ion Ratio Lower Upper
114 100
63 19.3 0.0 37.2
88 15.0 0.0 28.8





#35
Dibromofluoromethane
Concen: 50.875 ug/l
RT: 7.884 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

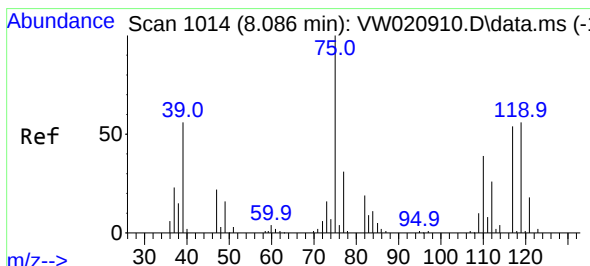
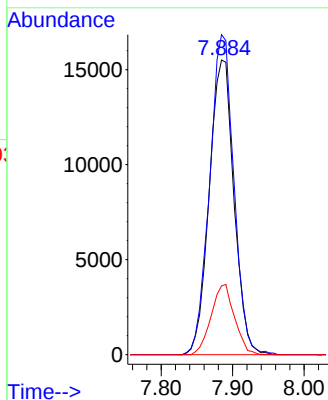
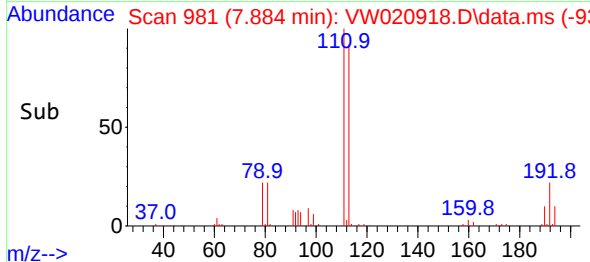
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 113 Resp: 3720
Ion Ratio Lower Upper
113 100
111 106.5 81.2 121.8
192 22.5 16.8 25.2

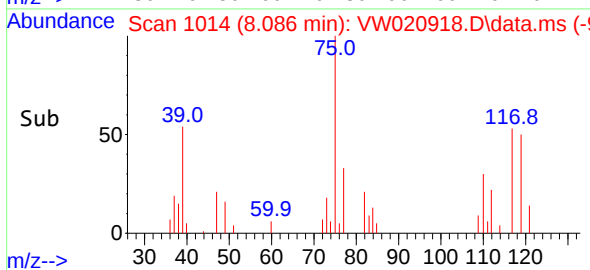
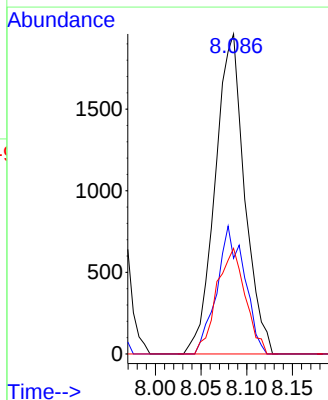
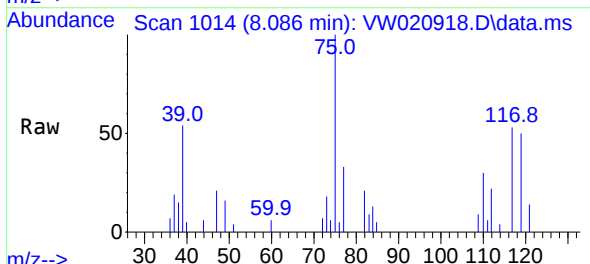
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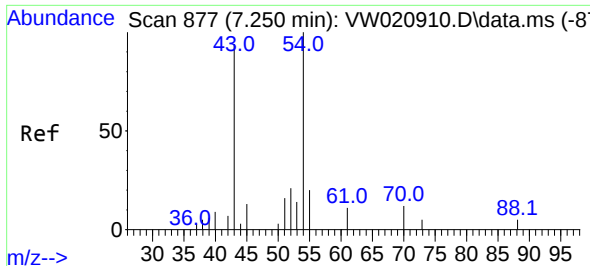
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#36
1,1-Dichloropropene
Concen: 4.191 ug/l
RT: 8.086 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

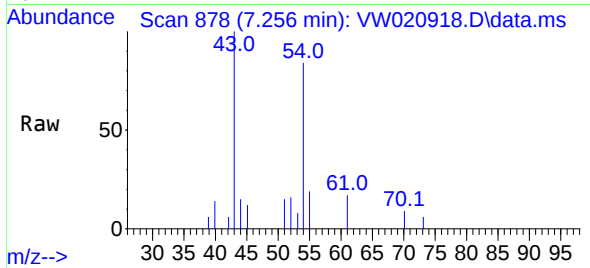
Tgt Ion: 75 Resp: 4389
Ion Ratio Lower Upper
75 100
110 37.5 19.1 57.5
77 32.1 24.8 37.2





#37
Ethyl Acetate
Concen: 4.790 ug/l
RT: 7.256 min Scan# 81
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

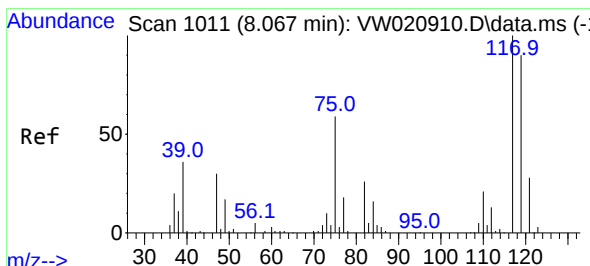
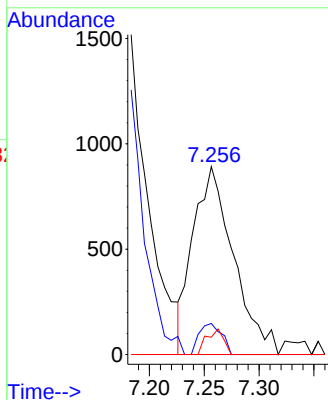
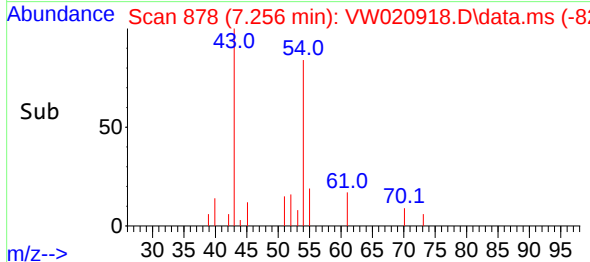
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



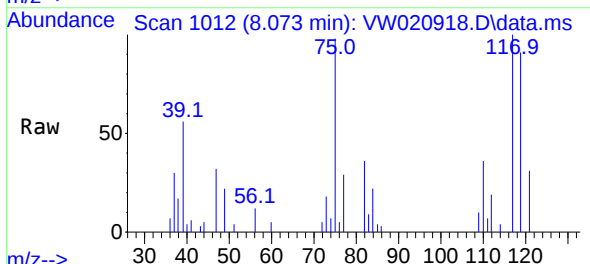
Tgt Ion: 43 Resp: 228
Ion Ratio Lower Upper
43 100
61 9.2 11.3 16.9
70 5.7 9.2 13.8

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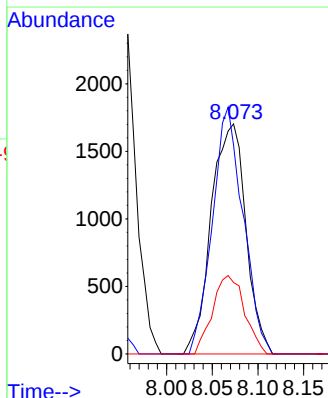
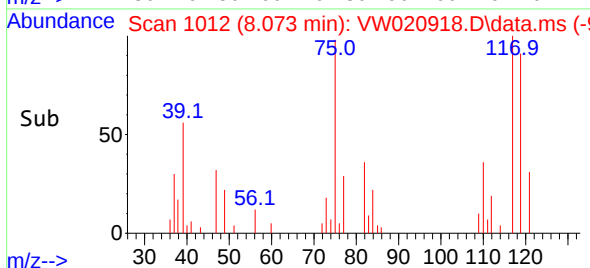
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

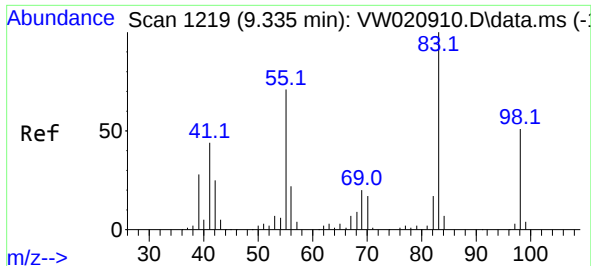


#38
Carbon Tetrachloride
Concen: 4.028 ug/l
RT: 8.073 min Scan# 1012
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



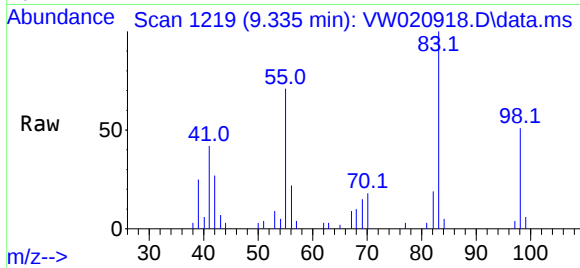
Tgt Ion:117 Resp: 4488
Ion Ratio Lower Upper
117 100
119 90.8 72.0 108.0
121 31.1 22.6 33.8





#39
Methylcyclohexane
Concen: 4.187 ug/l
RT: 9.335 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

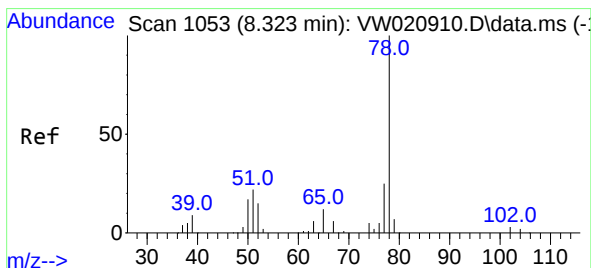
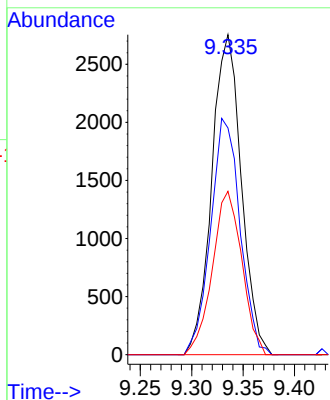
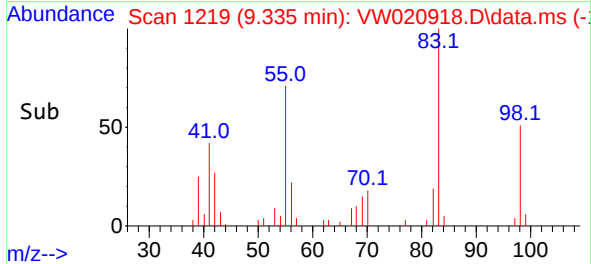
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 83 Resp: 5509
Ion Ratio Lower Upper
83 100
55 70.9 56.6 85.0
98 51.0 41.0 61.4

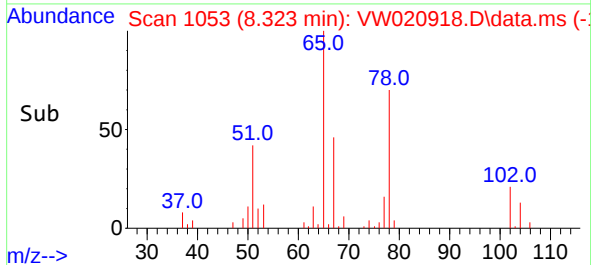
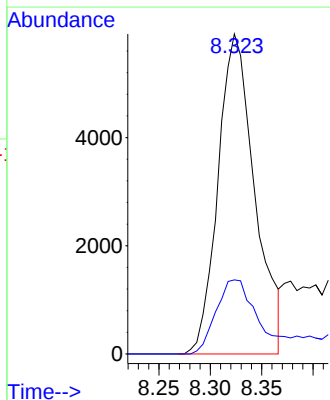
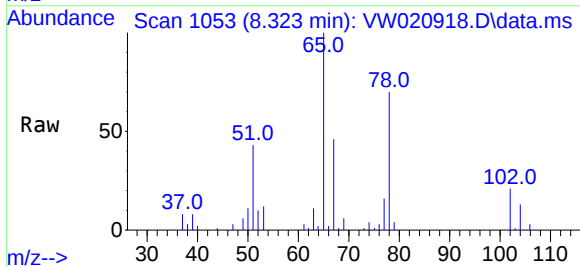
Manual Integrations
APPROVED

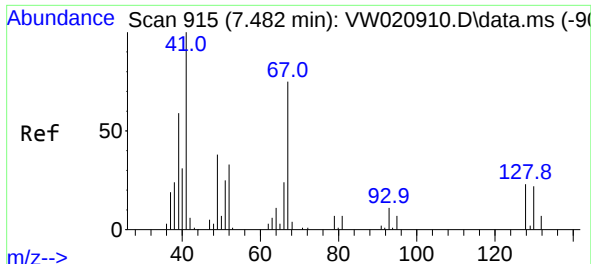
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#40
Benzene
Concen: 4.927 ug/l
RT: 8.323 min Scan# 1053
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

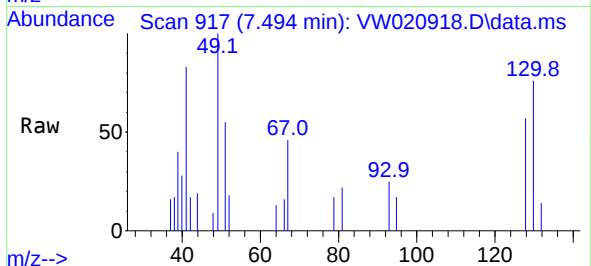
Tgt Ion: 78 Resp: 14711
Ion Ratio Lower Upper
78 100
77 23.2 20.0 30.0





#41
Methacrylonitrile
Concen: 4.020 ug/l
RT: 7.494 min Scan# 915
Delta R.T. 0.012 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

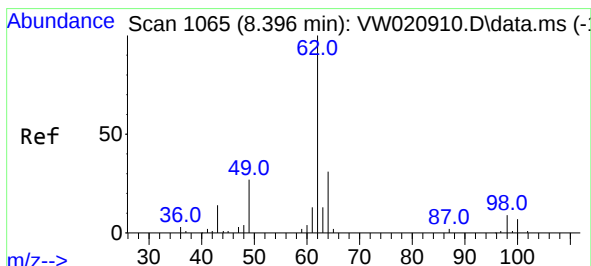
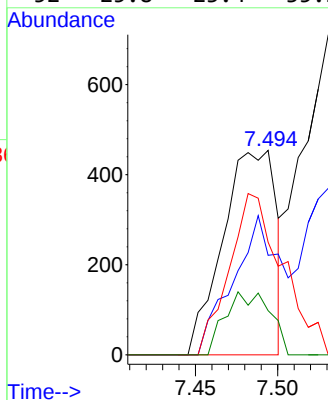
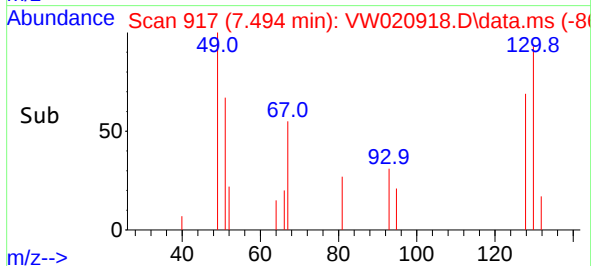
Instrument : MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 41 Resp: 1024
Ion Ratio Lower Upper
41 100
39 59.7 42.9 64.3
67 79.2 56.2 84.4
52 25.8 23.4 35.2

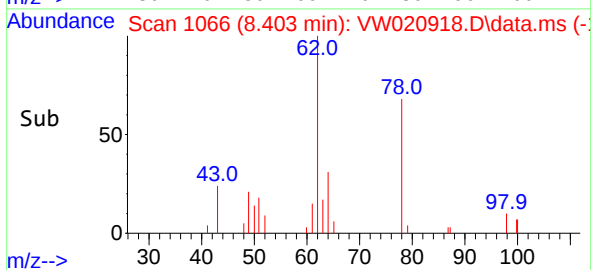
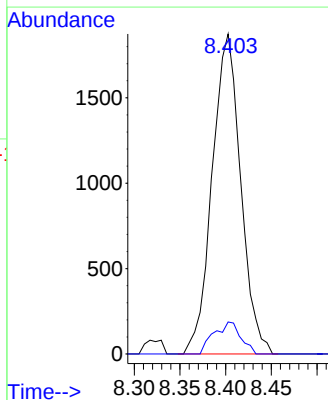
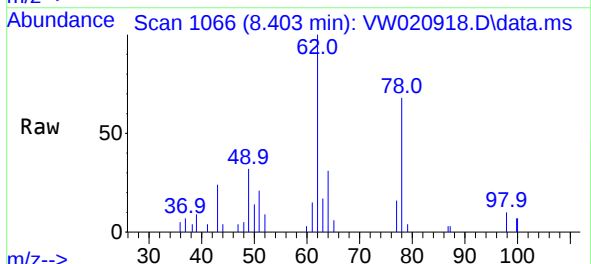
Manual Integrations
APPROVED

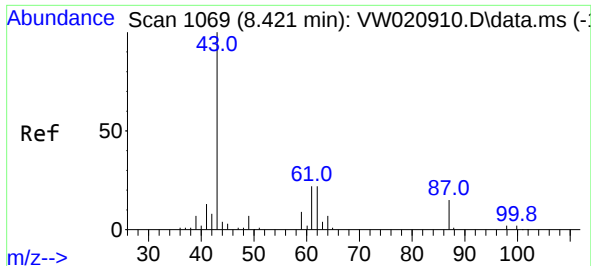
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#42
1,2-Dichloroethane
Concen: 4.494 ug/l
RT: 8.403 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

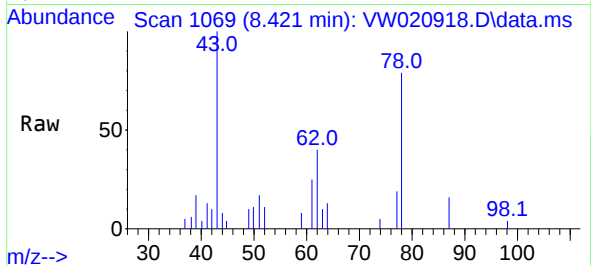
Tgt Ion: 62 Resp: 4071
Ion Ratio Lower Upper
62 100
98 9.4 0.0 19.0





#43
Isopropyl Acetate
Concen: 4.086 ug/l
RT: 8.421 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

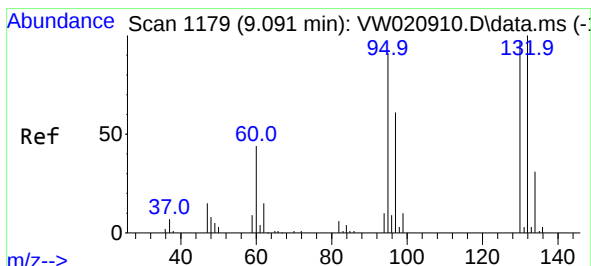
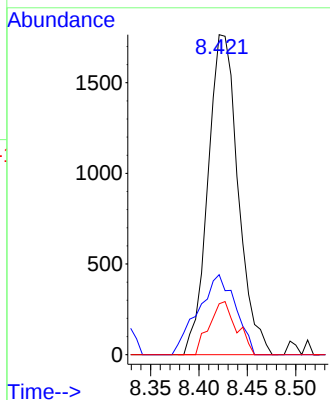
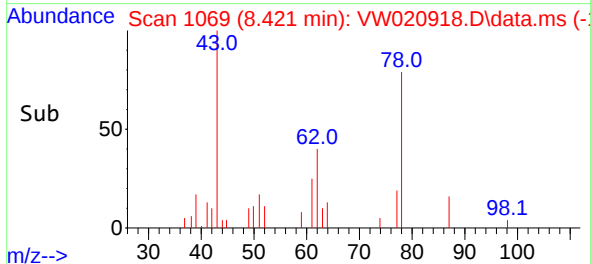
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
61 30.9 23.7 35.5
87 14.9 11.5 17.3

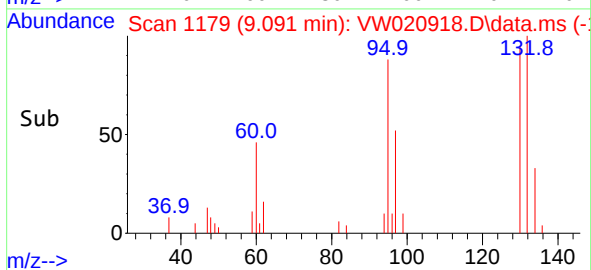
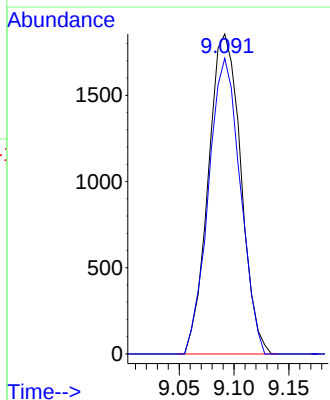
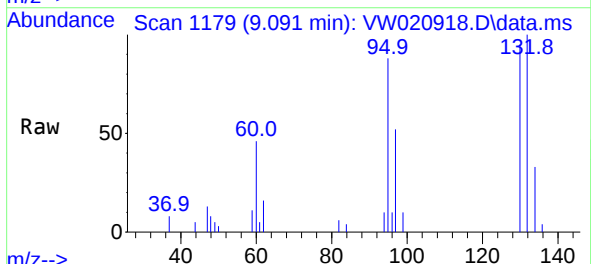
Manual Integrations
APPROVED

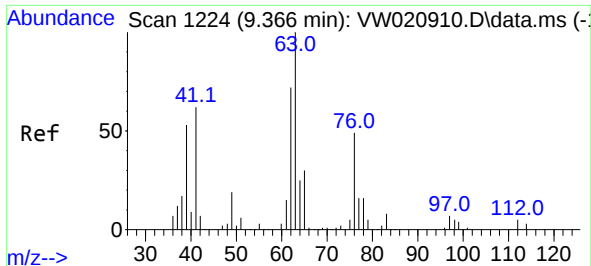
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#44
Trichloroethene
Concen: 4.378 ug/l
RT: 9.091 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

Tgt Ion:130 Resp: 3814
Ion Ratio Lower Upper
130 100
95 92.4 0.0 186.6





#45

1,2-Dichloropropane

Concen: 4.370 ug/l

RT: 9.366 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW020918.D

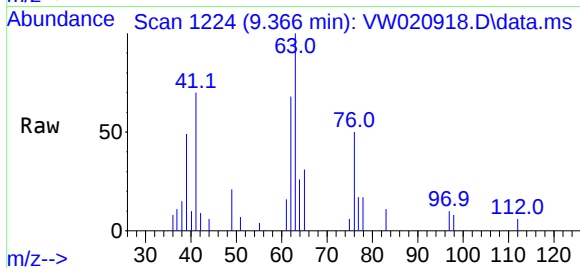
Acq: 17 Nov 2021 22:12

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 63 Resp: 300

Ion Ratio Lower Upper

63 100

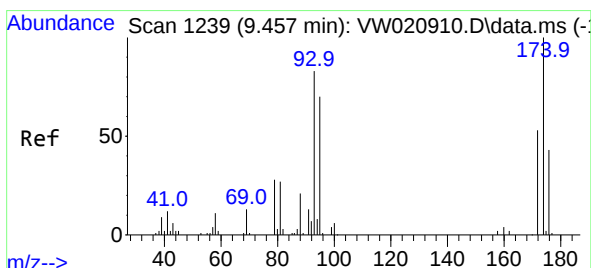
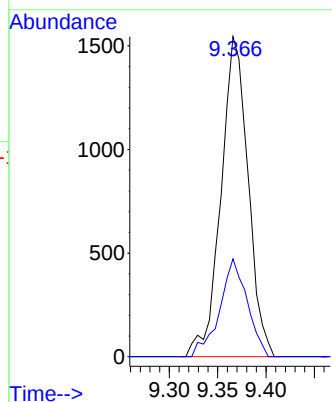
65 30.6 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Vimala Arumugam 11/18/2021

Supervised By :Mahesh Dadoda 11/18/2021



#46

Dibromomethane

Concen: 4.496 ug/l

RT: 9.463 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VW020918.D

Acq: 17 Nov 2021 22:12

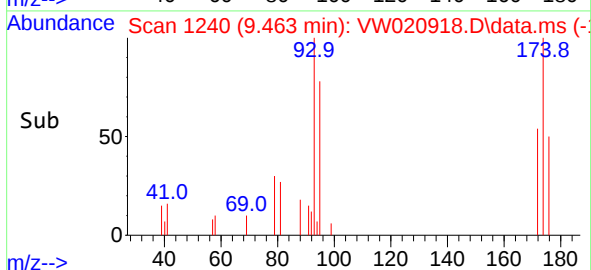
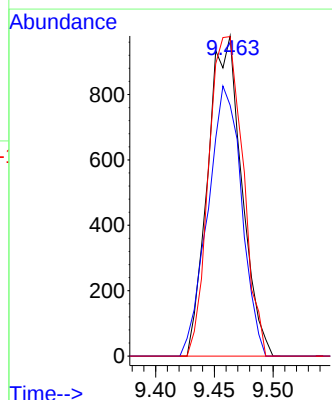
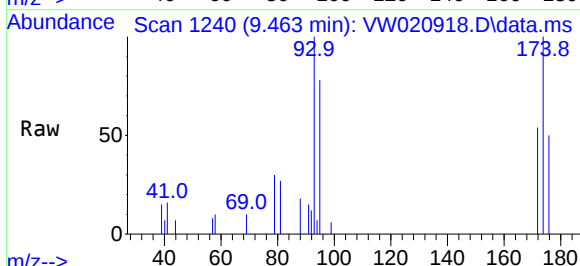
Tgt Ion: 93 Resp: 1959

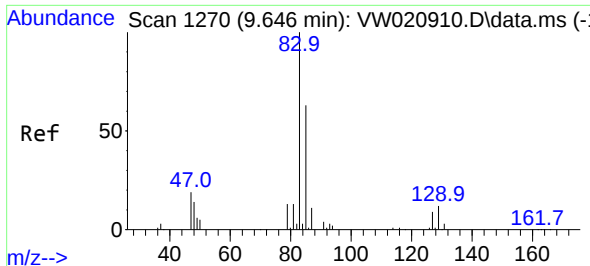
Ion Ratio Lower Upper

93 100

95 84.2 66.6 100.0

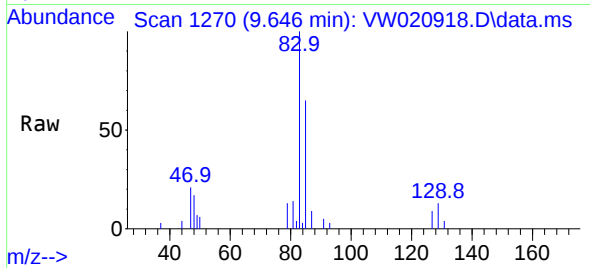
174 100.9 91.1 136.7





#47
Bromodichloromethane
Concen: 4.110 ug/l
RT: 9.646 min Scan# 1270
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

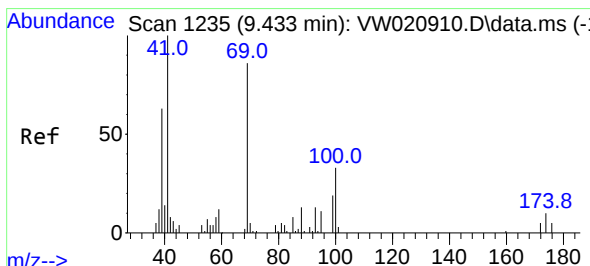
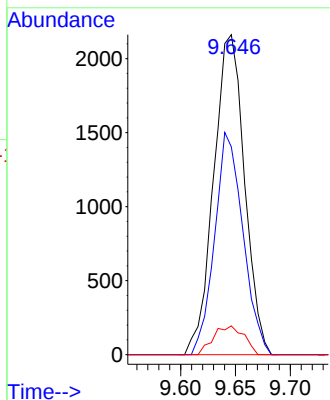
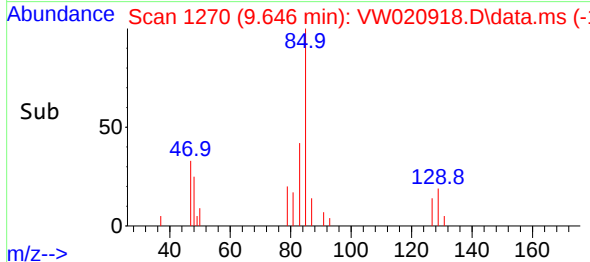
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 83 Resp: 423
Ion Ratio Lower Upper
83 100
85 64.9 50.3 75.5
127 9.0 7.1 10.7

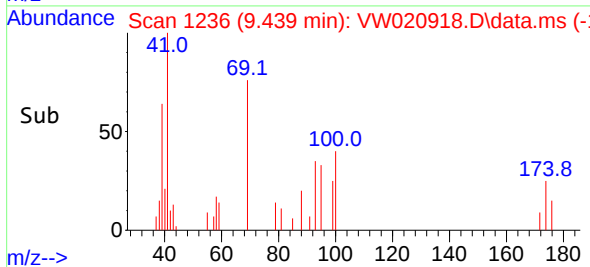
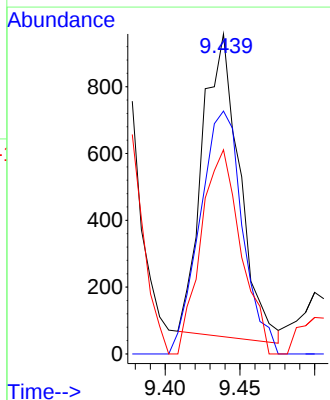
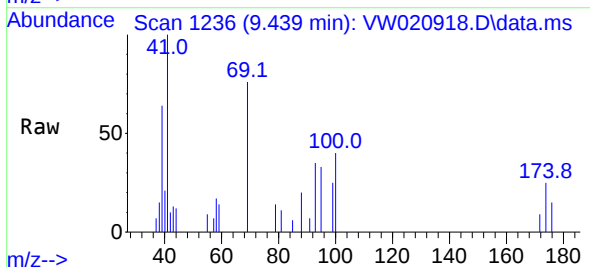
Manual Integrations
APPROVED

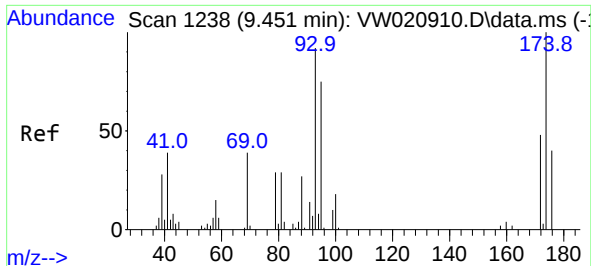
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#48
Methyl methacrylate
Concen: 3.750 ug/l
RT: 9.439 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

Tgt Ion: 41 Resp: 1564
Ion Ratio Lower Upper
41 100
69 92.3 72.9 109.3
39 72.1 54.2 81.4





#49

1,4-Dioxane

Concen: 89.994 ug/l

RT: 9.451 min Scan# 1238

Delta R.T. 0.000 min

Lab File: VW020918.D

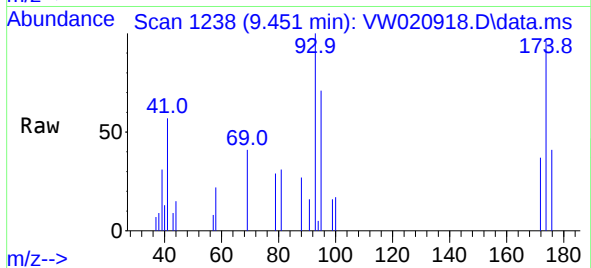
Acq: 17 Nov 2021 22:12

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2021

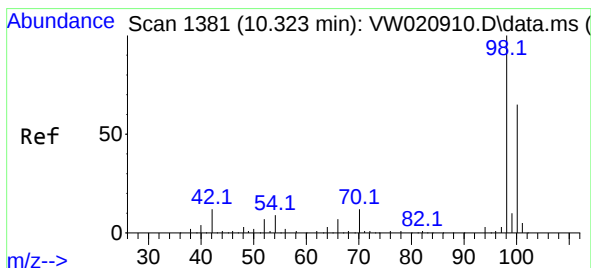
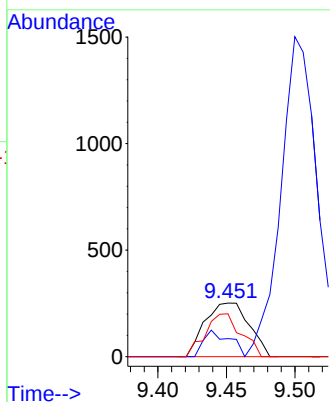


Tgt Ion: 88	Resp: 56
Ion Ratio	Lower Upper
88	100
43	29.0 26.6 39.8
58	64.6 51.8 77.8

Manual Integrations

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



#50

Toluene-d8

Concen: 52.515 ug/l

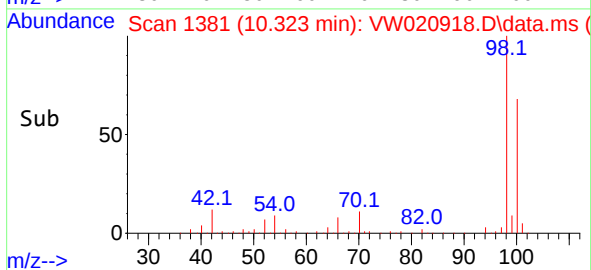
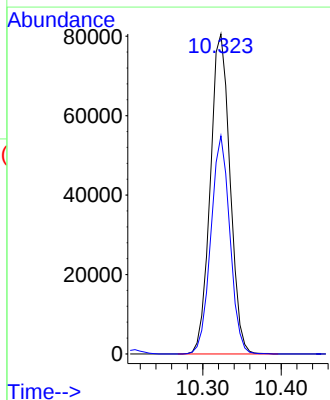
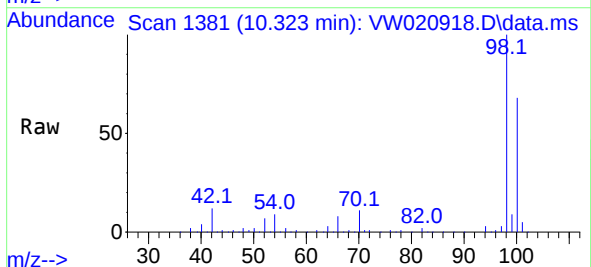
RT: 10.323 min Scan# 1381

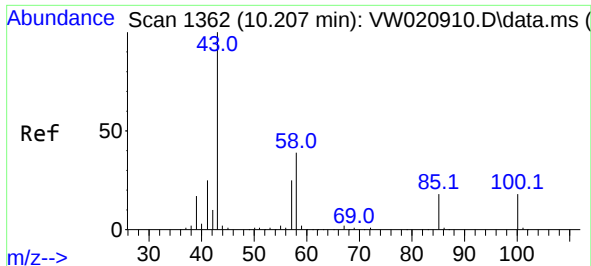
Delta R.T. 0.000 min

Lab File: VW020918.D

Acq: 17 Nov 2021 22:12

Tgt Ion: 98	Resp: 140840
Ion Ratio	Lower Upper
98	100
100	65.7 52.6 79.0





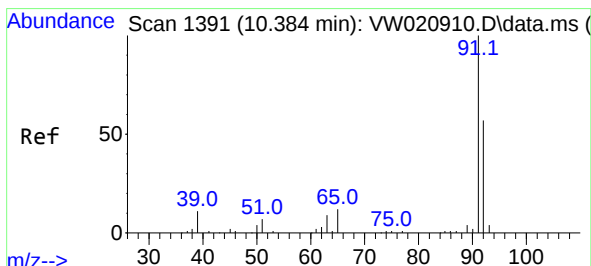
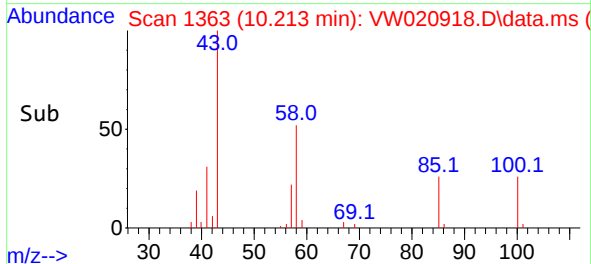
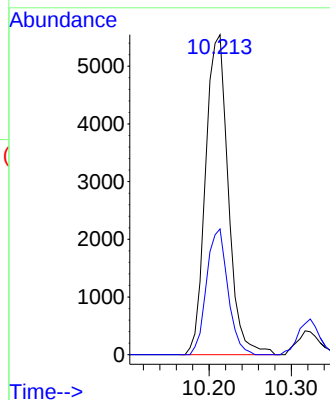
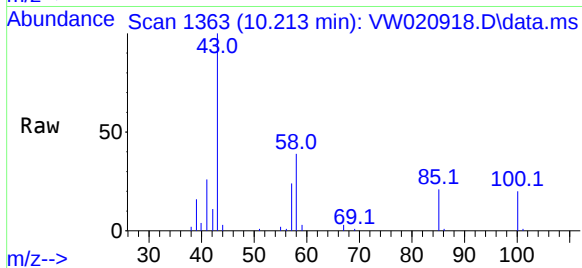
#51
4-Methyl-2-Pentanone
Concen: 22.293 ug/l
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion: 43 Resp: 1064
Ion Ratio Lower Upper
43 100
58 36.9 30.9 46.3

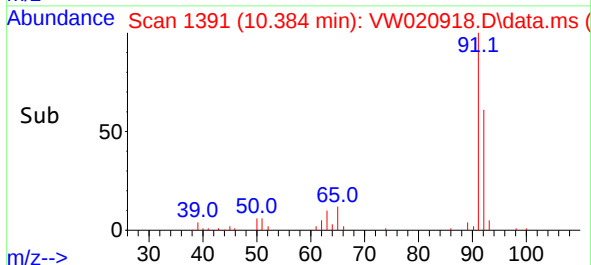
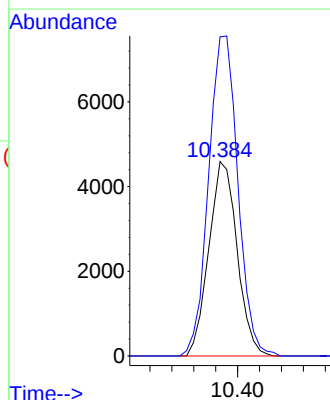
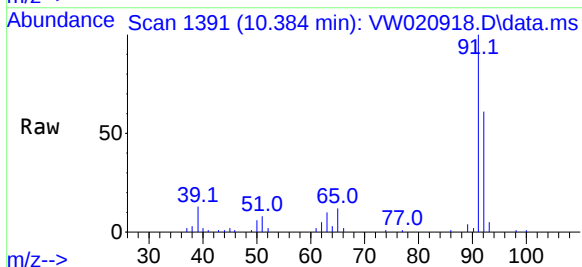
Manual Integrations
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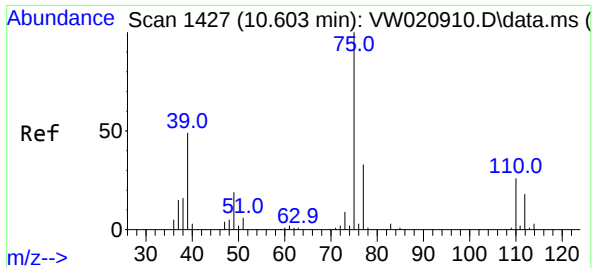
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#52
Toluene
Concen: 4.290 ug/l
RT: 10.384 min Scan# 1391
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

Tgt Ion: 92 Resp: 8234
Ion Ratio Lower Upper
92 100
91 170.1 137.1 205.7





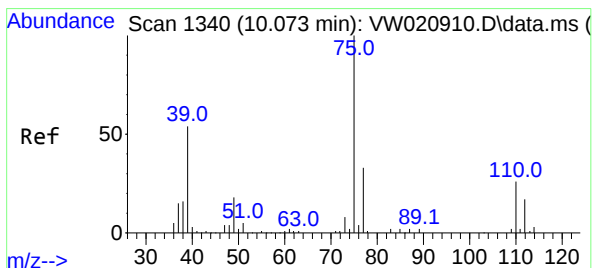
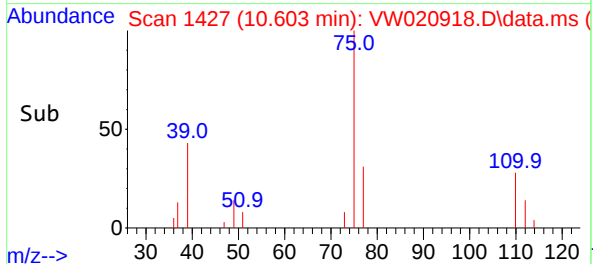
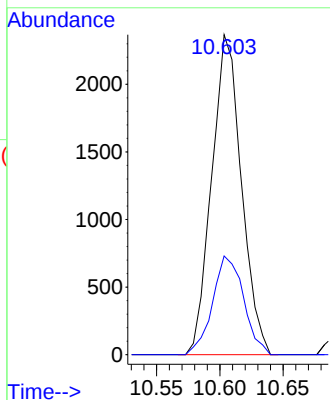
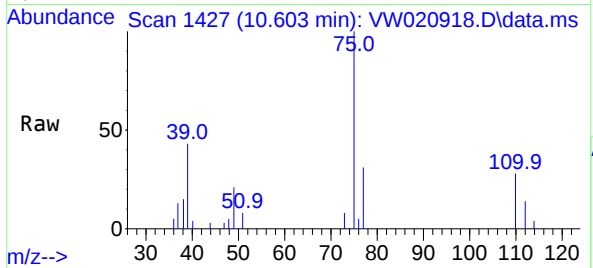
#53
t-1,3-Dichloropropene
Concen: 3.775 ug/l
RT: 10.603 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion: 75 Resp: 3864
Ion Ratio Lower Upper
75 100
77 30.8 26.1 39.1

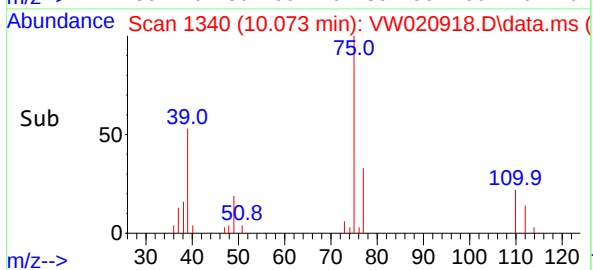
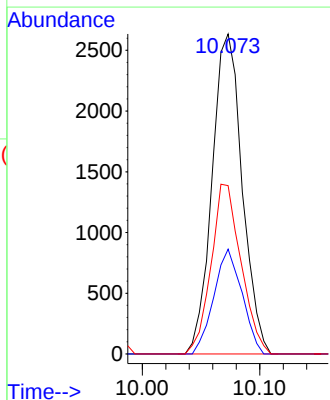
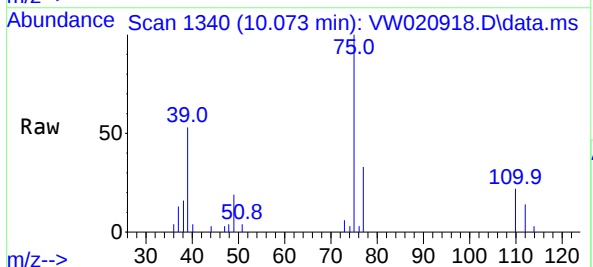
Manual Integrations
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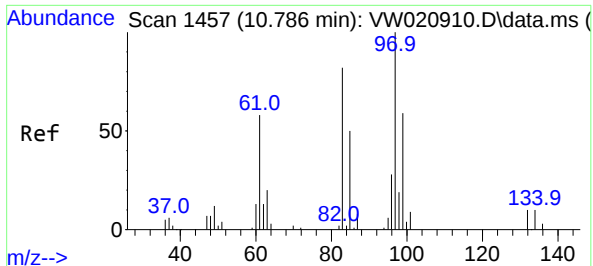
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#54
cis-1,3-Dichloropropene
Concen: 4.051 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

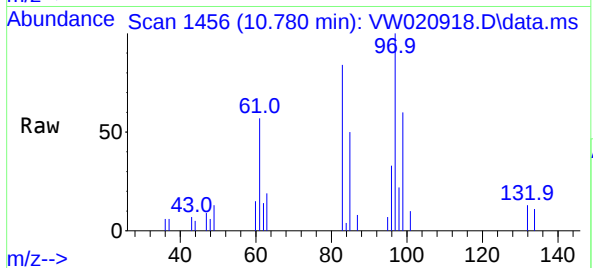
Tgt Ion: 75 Resp: 4692
Ion Ratio Lower Upper
75 100
77 32.8 26.2 39.4
39 52.6 43.0 64.6





#55
1,1,2-Trichloroethane
Concen: 4.237 ug/l
RT: 10.780 min Scan# 1457
Delta R.T. -0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

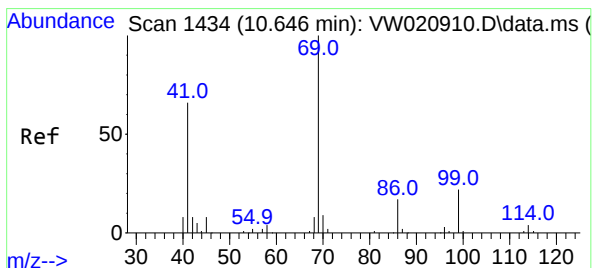
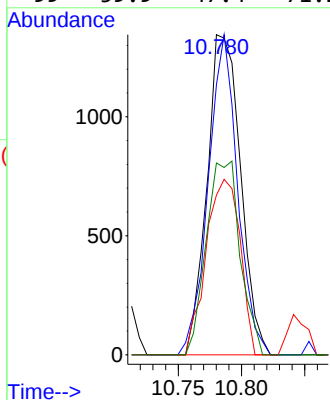
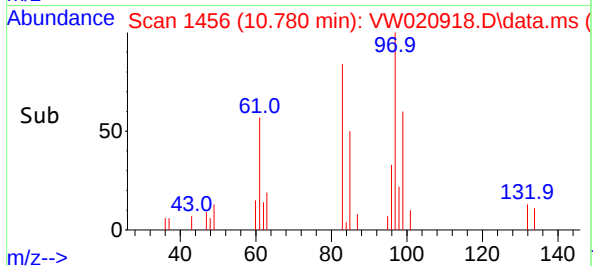


Tgt Ion: 97 Resp: 247

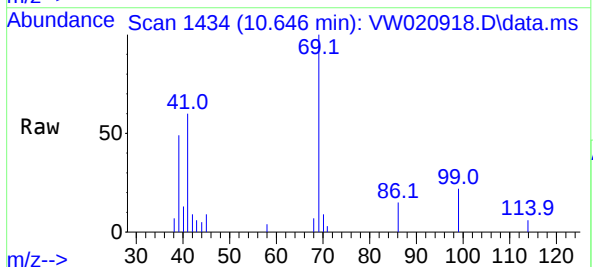
Ion	Ratio	Lower	Upper
97	100		
83	84.4	65.4	98.2
85	49.9	39.9	59.9
99	59.9	47.4	71.2

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

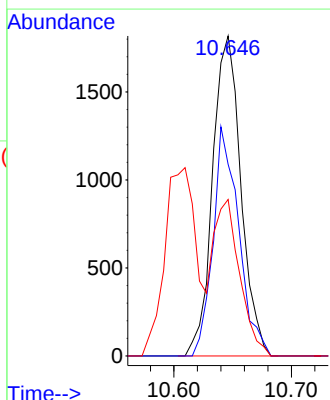
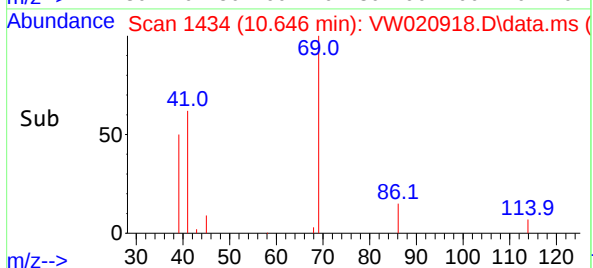


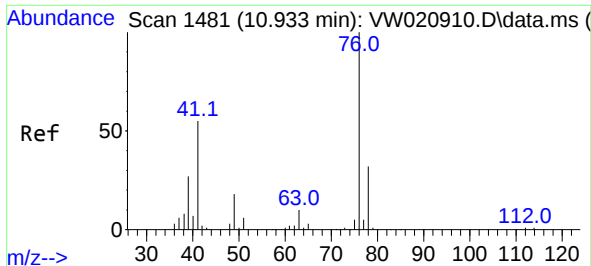
#56
Ethyl methacrylate
Concen: 4.095 ug/l
RT: 10.646 min Scan# 1434
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



Tgt Ion: 69 Resp: 3046

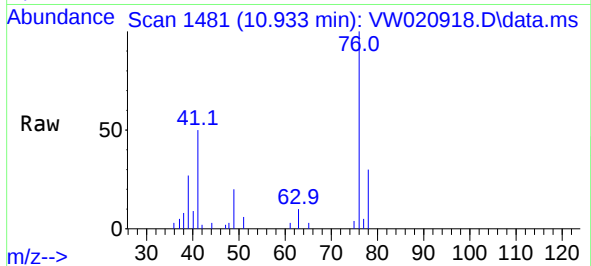
Ion	Ratio	Lower	Upper
69	100		
41	64.8	52.9	79.3
39	44.9	33.7	50.5





#57
1,3-Dichloropropane
Concen: 4.344 ug/l
RT: 10.933 min Scan# 1481
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

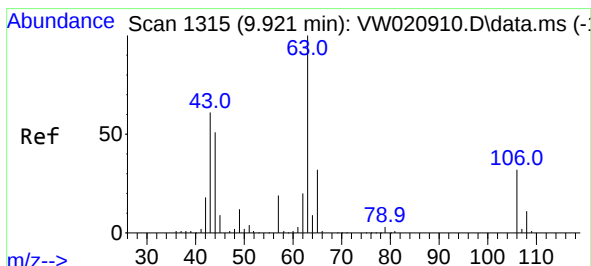
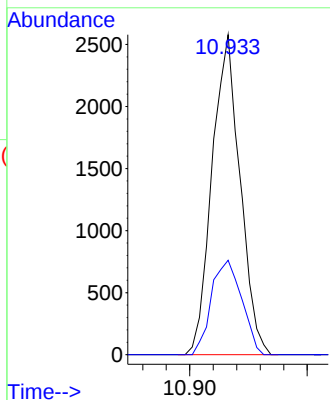
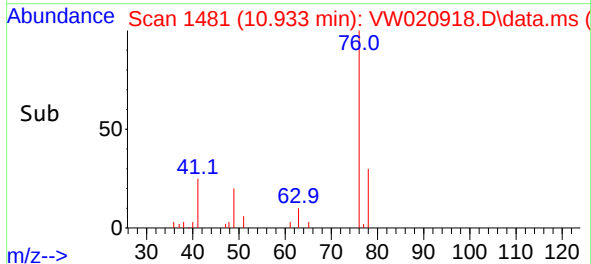
Instrument : MSVOA_W
ClientSampleId : LOD-MDL-SOIL-01-QT4-2021



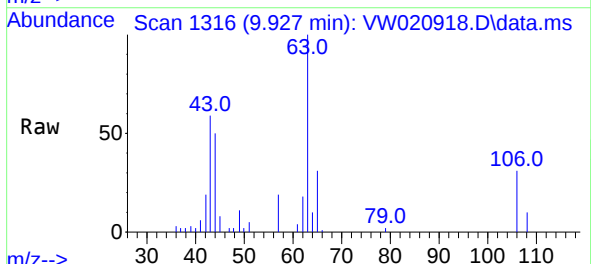
Tgt Ion: 76 Resp: 4272
Ion Ratio Lower Upper
76 100
78 32.0 26.0 39.0

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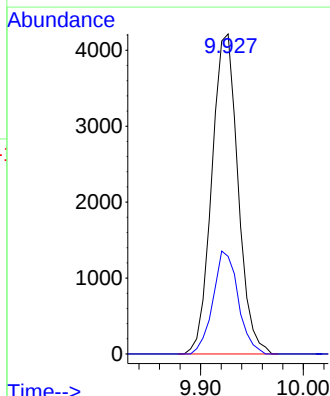
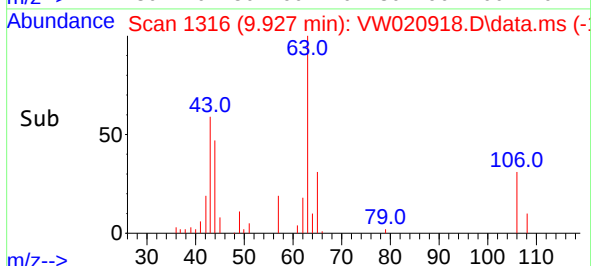
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

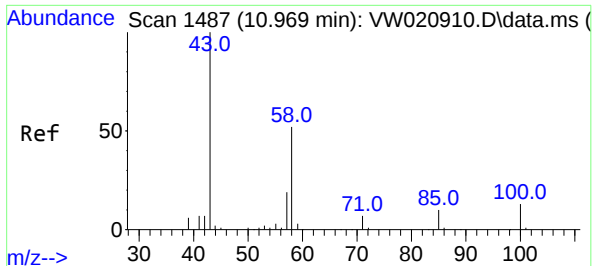


#58
2-Chloroethyl Vinyl ether
Concen: 19.904 ug/l
RT: 9.927 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



Tgt Ion: 63 Resp: 7451
Ion Ratio Lower Upper
63 100
106 30.9 26.3 39.5





#59

2-Hexanone

Concen: 20.235 ug/l

RT: 10.969 min Scan# 1487

Delta R.T. 0.000 min

Lab File: VW020918.D

Acq: 17 Nov 2021 22:12

Instrument :

MSVOA_W

ClientSampleId :

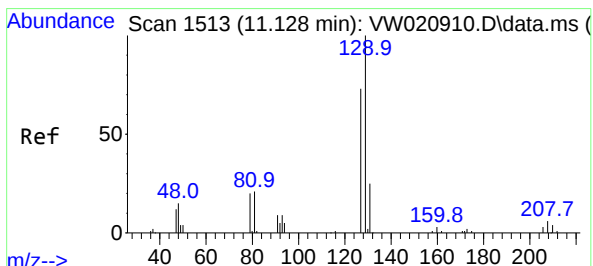
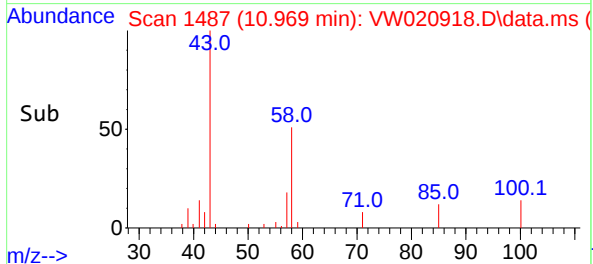
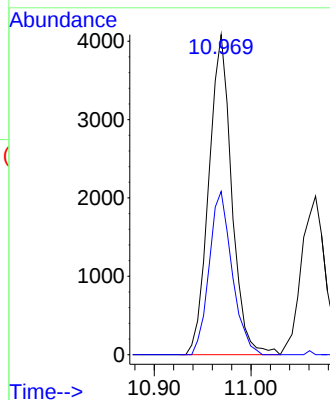
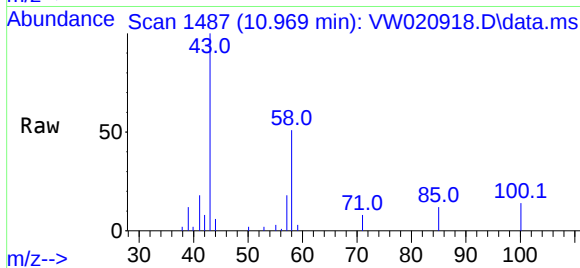
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion: 43 Resp: 6719
 Ion Ratio Lower Upper
 43 100
 58 50.9 26.7 80.0

Manual Integrations

APPROVED

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



#60

Dibromochloromethane

Concen: 4.124 ug/l

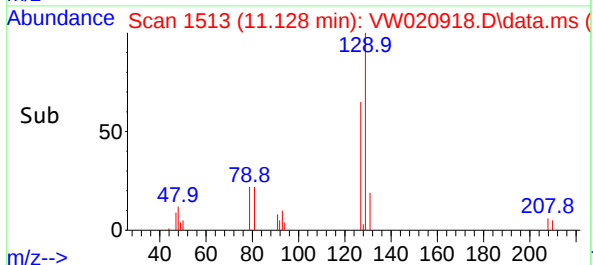
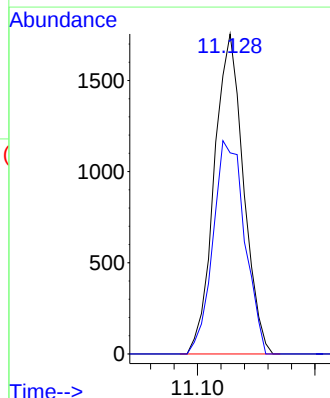
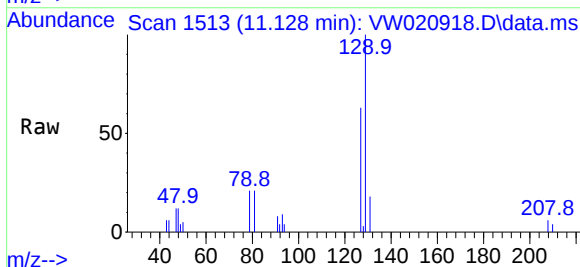
RT: 11.128 min Scan# 1513

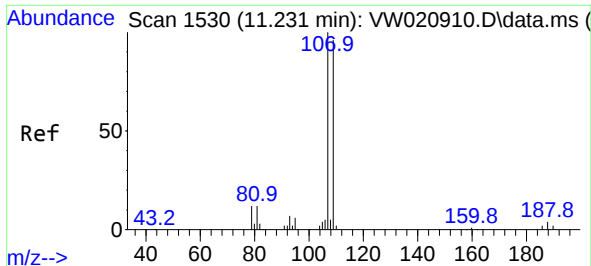
Delta R.T. 0.000 min

Lab File: VW020918.D

Acq: 17 Nov 2021 22:12

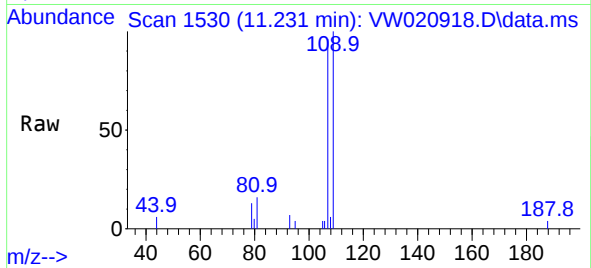
Tgt Ion:129 Resp: 3037
 Ion Ratio Lower Upper
 129 100
 127 72.1 38.4 115.1





#61
1,2-Dibromoethane
Concen: 4.132 ug/l
RT: 11.231 min Scan# 1530
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

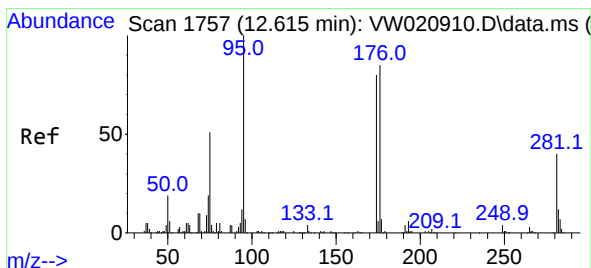
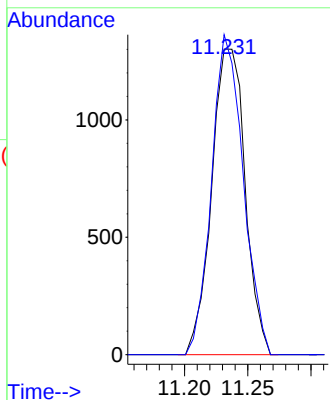
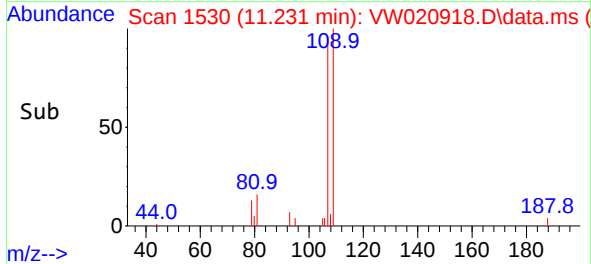
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



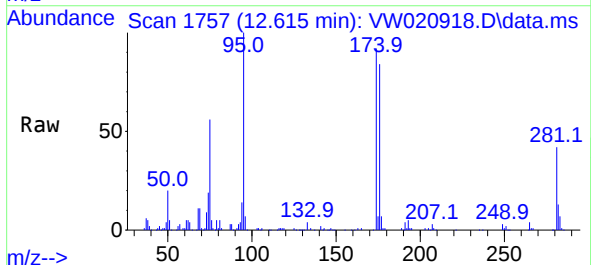
Tgt Ion:107 Resp: 239
Ion Ratio Lower Upper
107 100
109 98.8 74.1 111.1

Manual Integrations
APPROVED

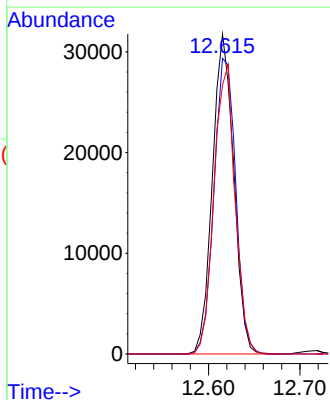
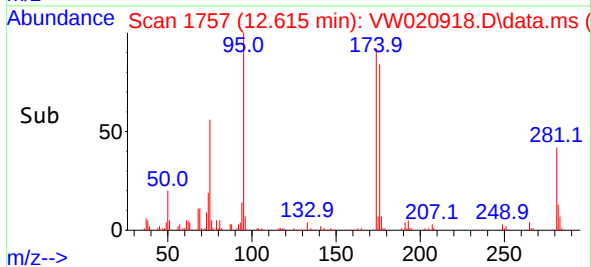
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

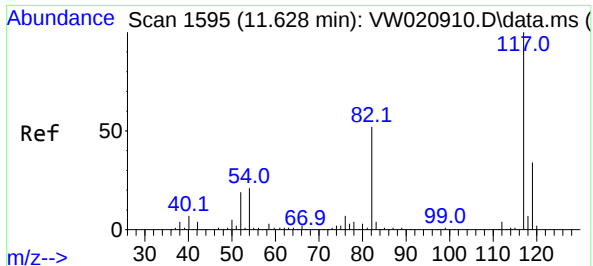


#62
4-Bromofluorobenzene
Concen: 51.279 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



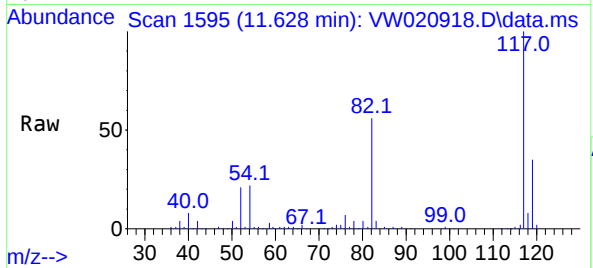
Tgt Ion: 95 Resp: 51289
Ion Ratio Lower Upper
95 100
174 94.4 0.0 171.2
176 89.9 0.0 175.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

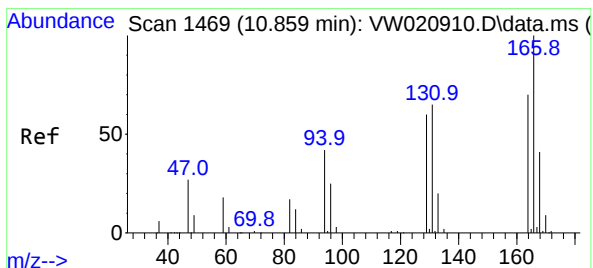
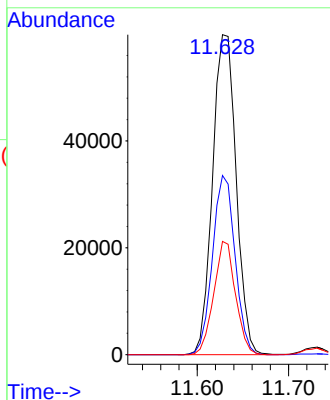
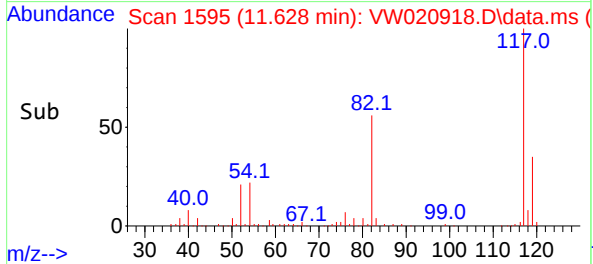
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



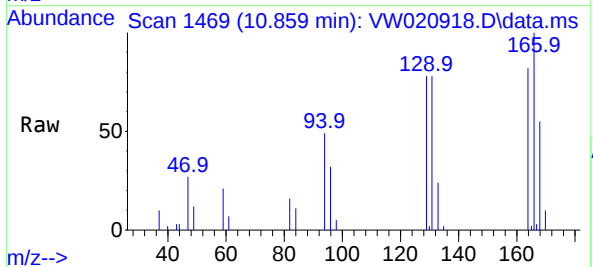
Tgt Ion:117 Resp: 107464
Ion Ratio Lower Upper
117 100
82 56.0 41.4 62.2
119 35.4 27.2 40.8

Manual Integrations
APPROVED

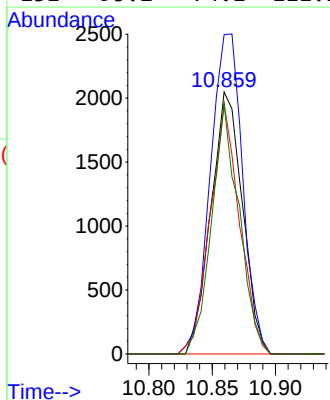
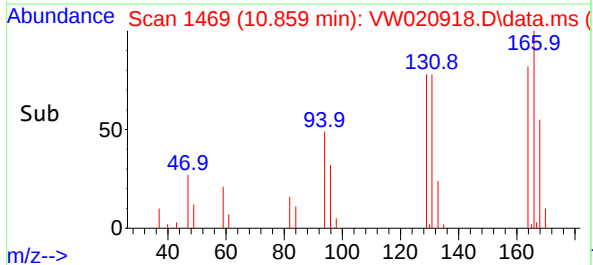
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

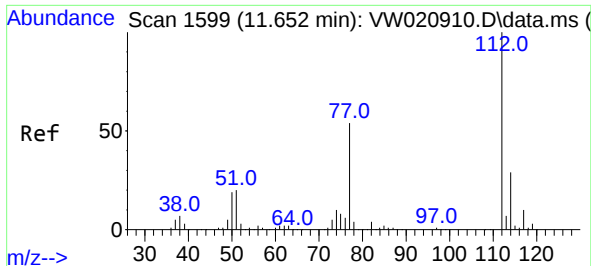


#64
Tetrachloroethene
Concen: 4.458 ug/l
RT: 10.859 min Scan# 1469
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



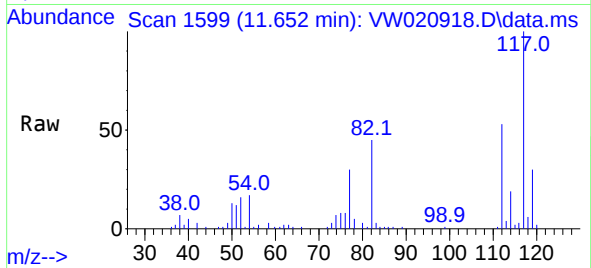
Tgt Ion:164 Resp: 3559
Ion Ratio Lower Upper
164 100
166 121.9 114.4 171.6
129 95.7 68.3 102.5
131 95.2 74.1 111.1





#65
Chlorobenzene
Concen: 4.263 ug/l
RT: 11.652 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

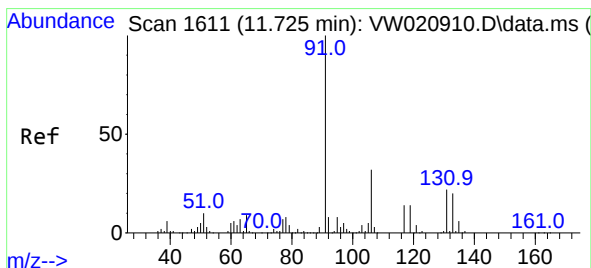
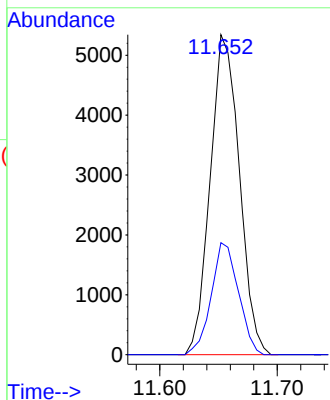
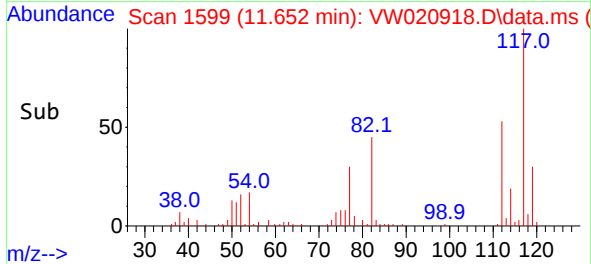
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



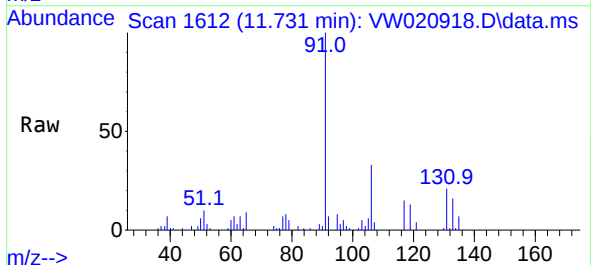
Tgt Ion:112 Resp: 9210
Ion Ratio Lower Upper
112 100
114 35.0 23.0 34.6

Manual Integrations
APPROVED

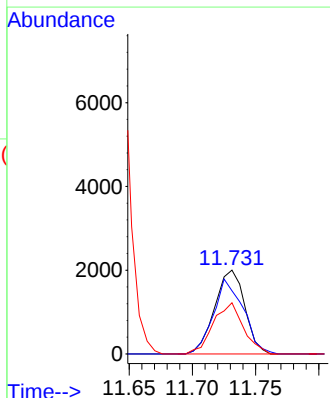
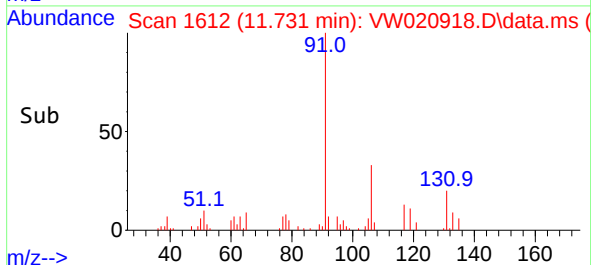
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

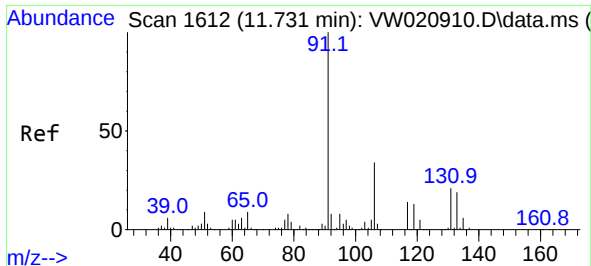


#66
1,1,1,2-Tetrachloroethane
Concen: 4.121 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



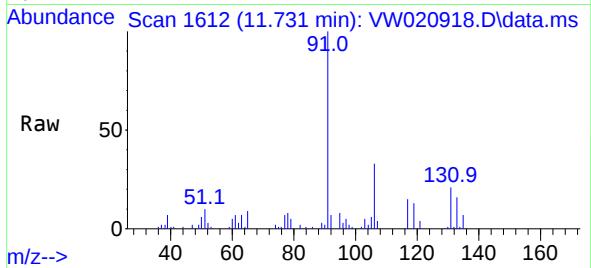
Tgt Ion:131 Resp: 3311
Ion Ratio Lower Upper
131 100
133 89.1 46.6 139.7
119 61.4 32.2 96.6





#67
Ethyl Benzene
Concen: 4.092 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

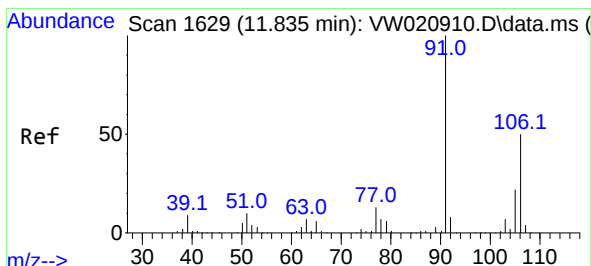
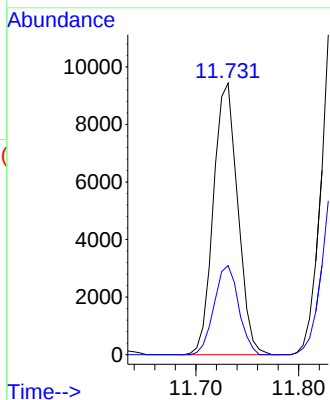
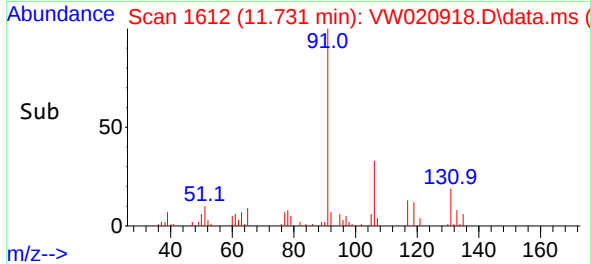
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



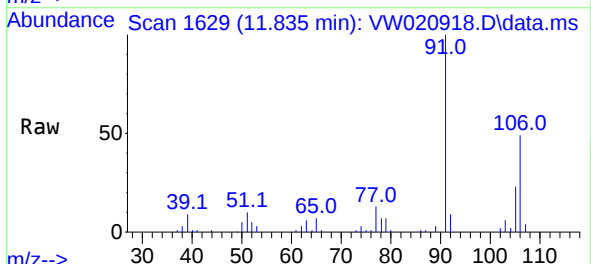
Tgt Ion: 91 Resp: 15514
Ion Ratio Lower Upper
91 100
106 32.8 27.3 40.9

Manual Integrations
APPROVED

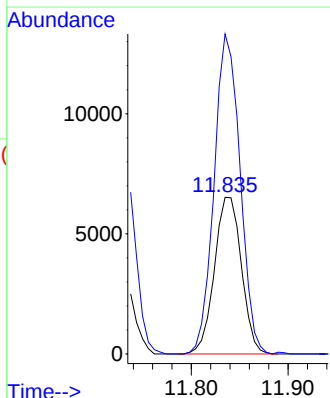
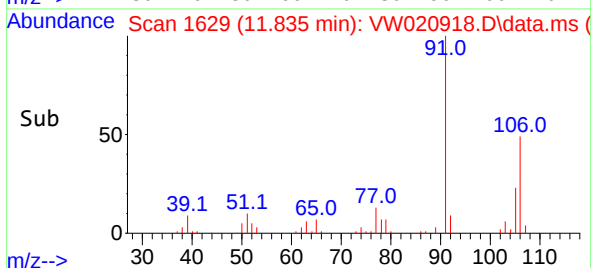
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

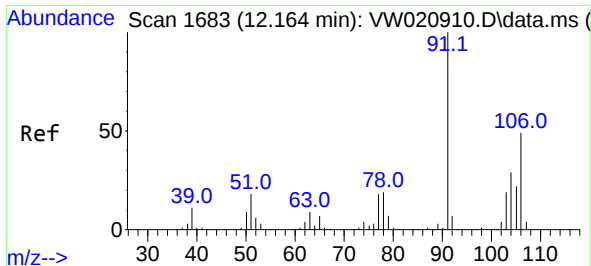


#68
m/p-Xylenes
Concen: 8.249 ug/l
RT: 11.835 min Scan# 1629
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



Tgt Ion:106 Resp: 12644
Ion Ratio Lower Upper
106 100
91 196.4 157.8 236.8





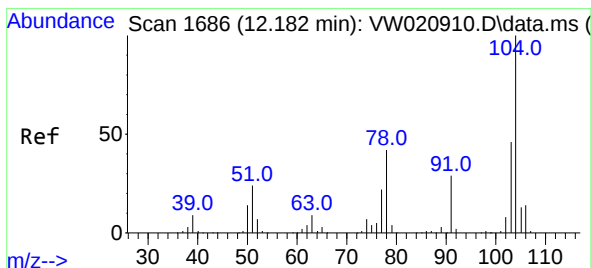
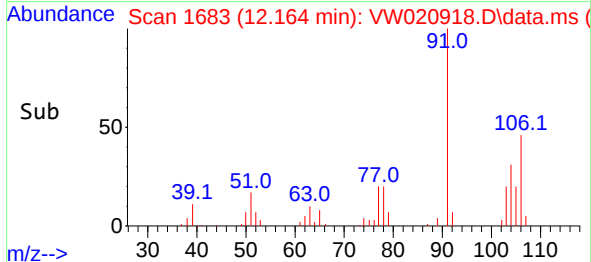
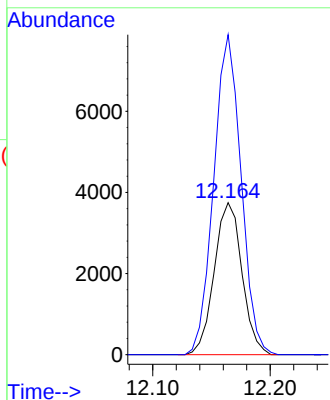
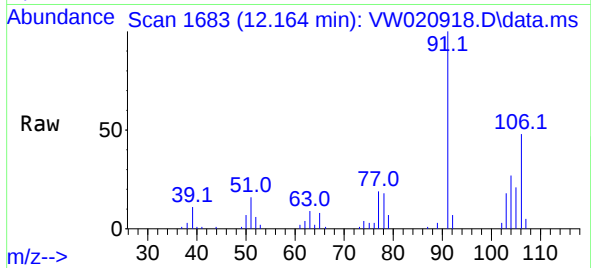
#69
o-Xylene
Concen: 4.278 ug/l
RT: 12.164 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion:106 Resp: 6149
Ion Ratio Lower Upper
106 100
91 207.6 104.3 312.9

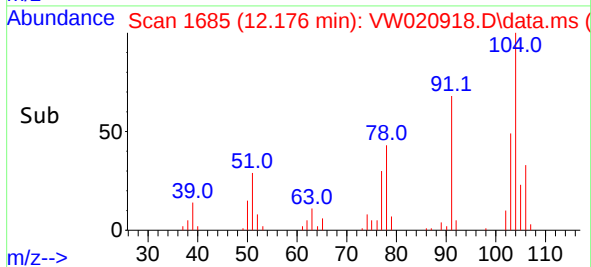
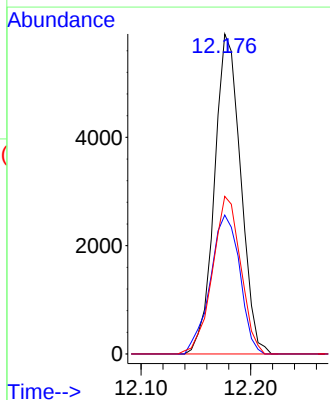
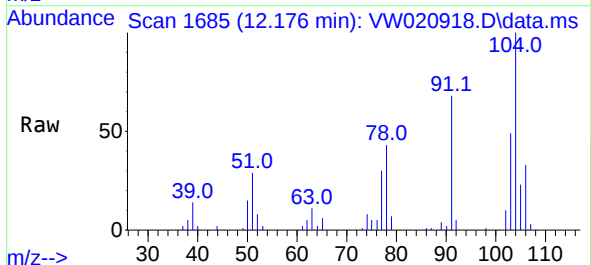
Manual Integrations
APPROVED

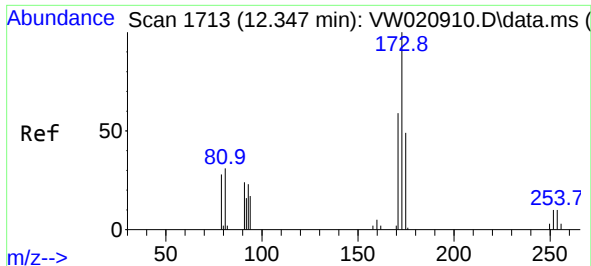
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#70
Styrene
Concen: 4.071 ug/l
RT: 12.176 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

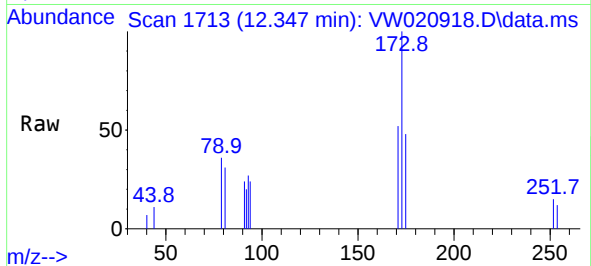
Tgt Ion:104 Resp: 9828
Ion Ratio Lower Upper
104 100
78 48.8 39.4 59.2
103 52.9 42.6 63.8





#71
Bromoform
Concen: 3.611 ug/l
RT: 12.347 min Scan# 1713
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

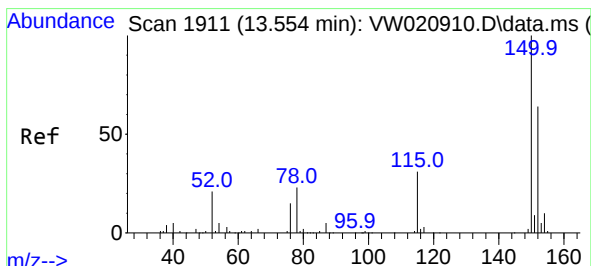
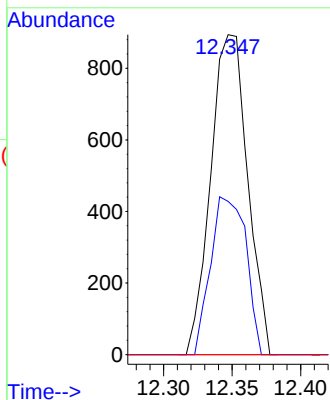
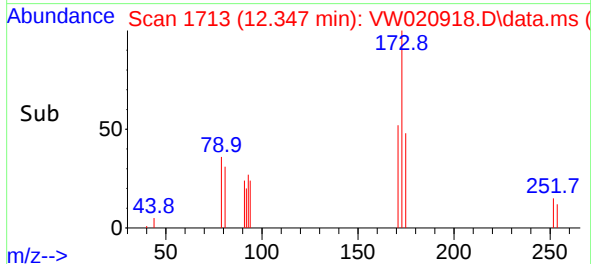
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



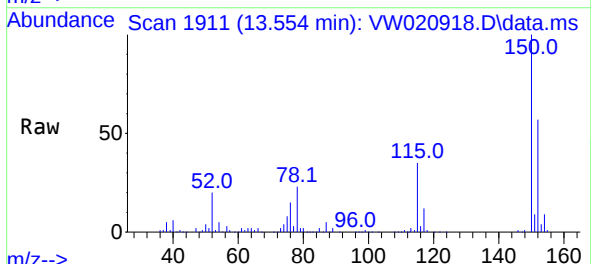
Tgt Ion:173 Resp: 167
Ion Ratio Lower Upper
173 100
175 47.1 25.1 75.3
254 0.0 0.0 0.0

Manual Integrations
APPROVED

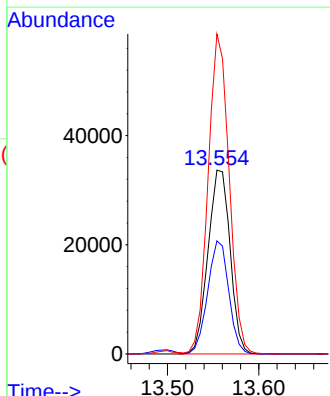
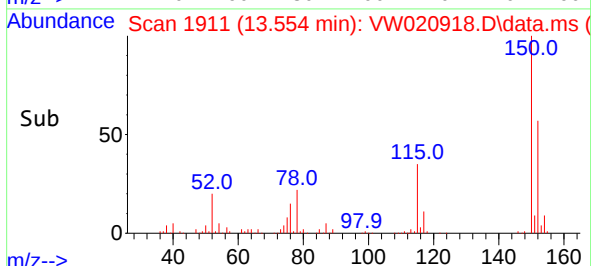
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

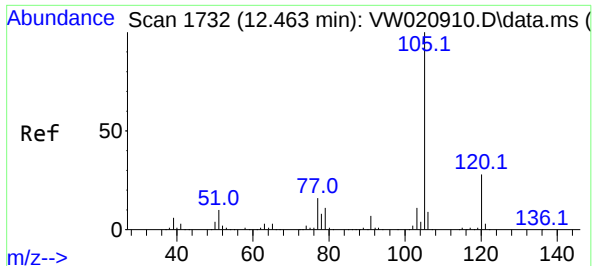


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.554 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



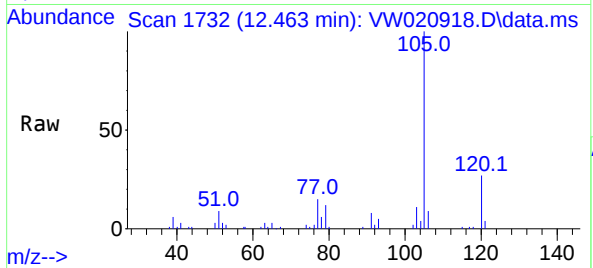
Tgt Ion:152 Resp: 56527
Ion Ratio Lower Upper
152 100
115 58.6 27.8 83.3
150 165.5 0.0 348.4





#73
Isopropylbenzene
Concen: 4.050 ug/l
RT: 12.463 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

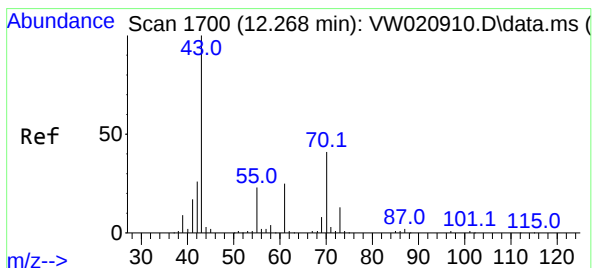
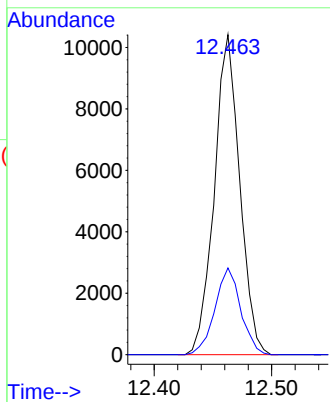
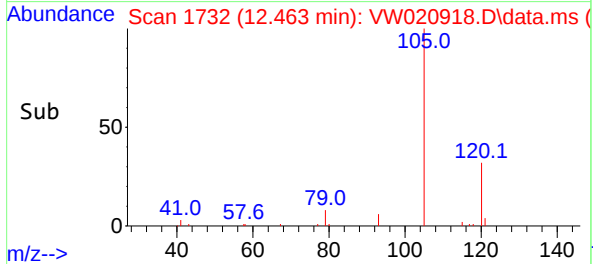
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



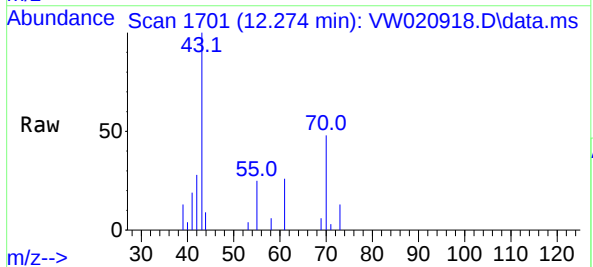
Tgt Ion:105 Resp: 1564
Ion Ratio Lower Upper
105 100
120 27.6 13.9 41.7

Manual Integrations
APPROVED

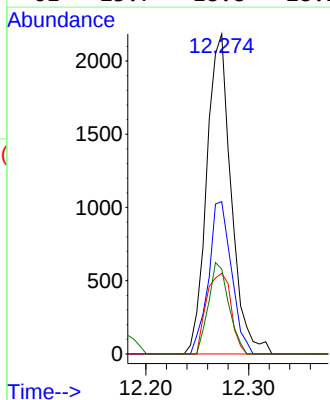
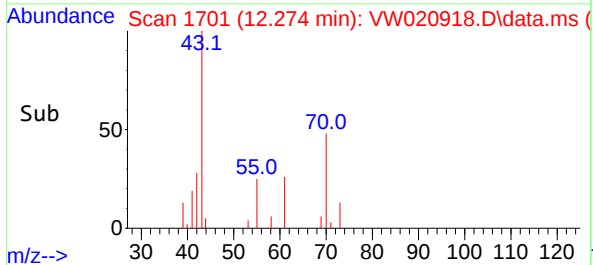
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

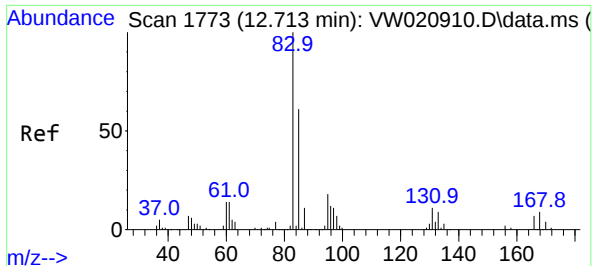


#74
N-ethyl acetate
Concen: 3.918 ug/l
RT: 12.274 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



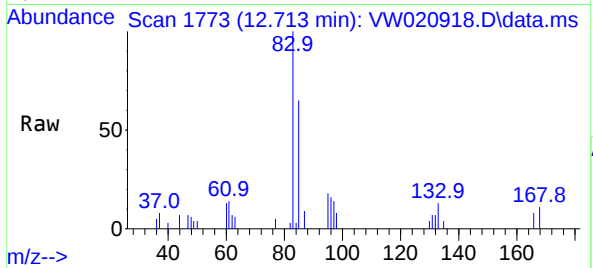
Tgt Ion: 43 Resp: 3605
Ion Ratio Lower Upper
43 100
70 44.6 33.7 50.5
55 25.2 18.5 27.7
61 23.7 18.8 28.2





#75
1,1,2,2-Tetrachloroethane
Concen: 4.084 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

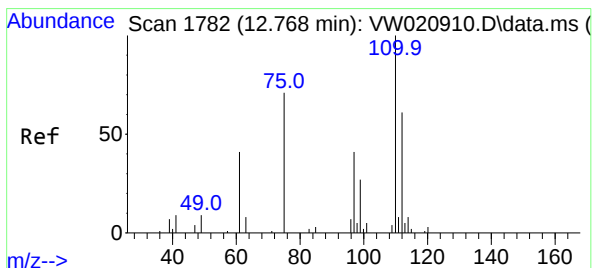
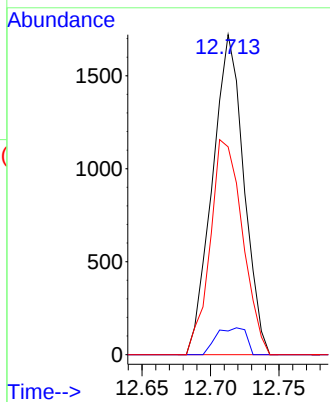
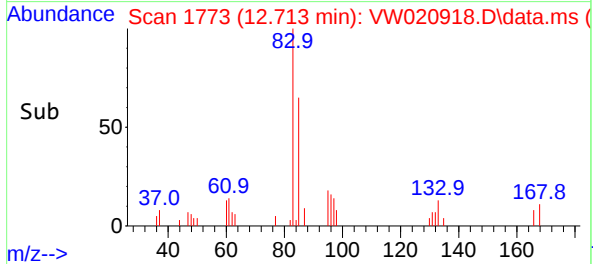
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion: 83 Resp: 2752
Ion Ratio Lower Upper
83 100
131 7.9 5.9 17.6
85 69.0 32.0 96.0

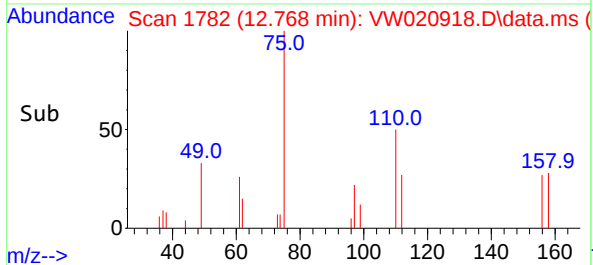
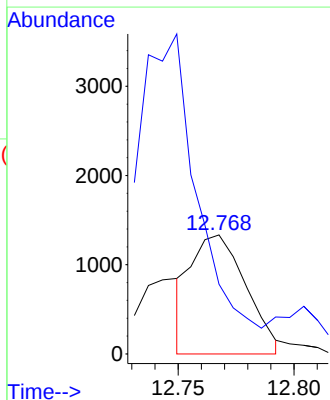
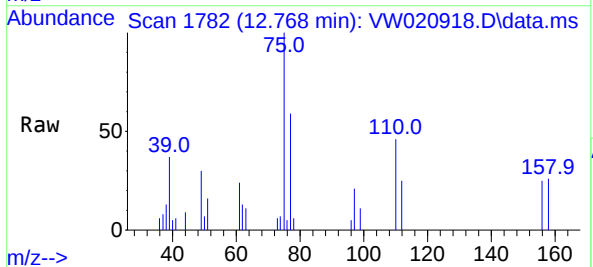
Manual Integrations
APPROVED

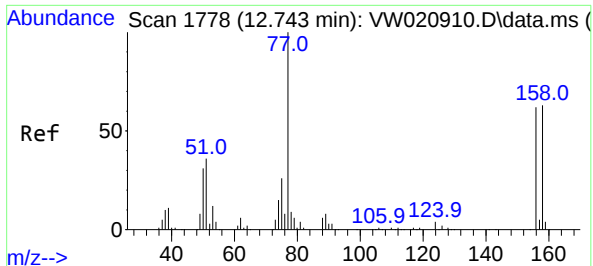
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#76
1,2,3-Trichloropropane
Concen: 4.304 ug/l m
RT: 12.768 min Scan# 1782
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

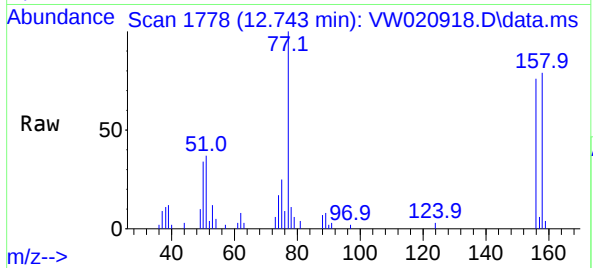
Tgt Ion: 75 Resp: 2186
Ion Ratio Lower Upper
75 100
77 315.4 0.0 0.0#





#77
Bromobenzene
Concen: 4.379 ug/l
RT: 12.743 min Scan# 1778
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

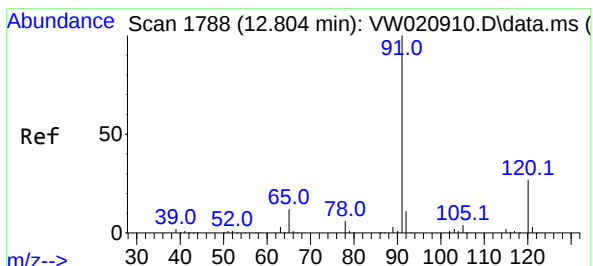
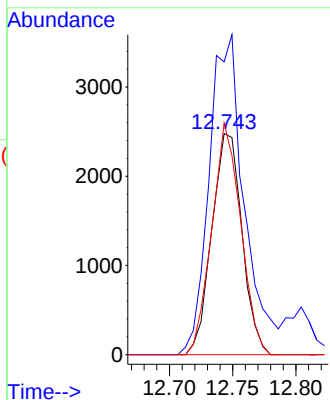
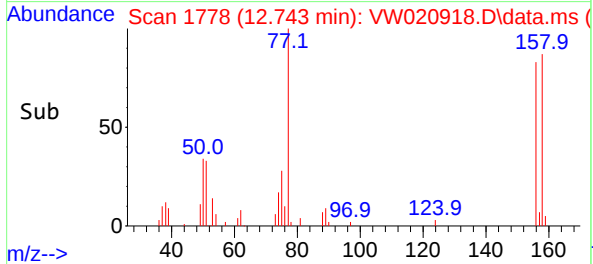
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



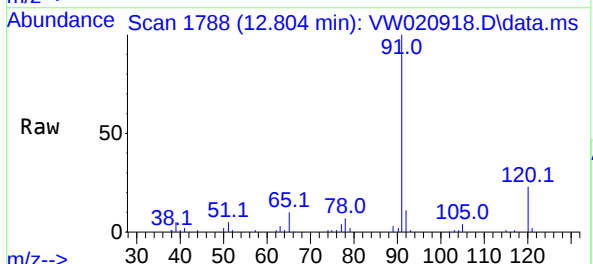
Tgt Ion:156 Resp: 4109
Ion Ratio Lower Upper
156 100
77 167.8 87.0 261.0
158 100.7 49.8 149.4

Manual Integrations
APPROVED

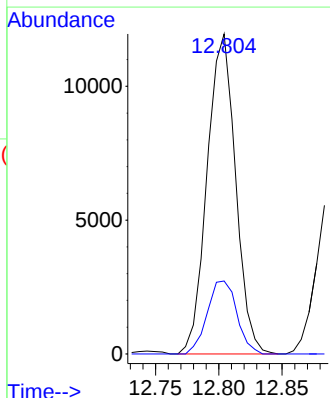
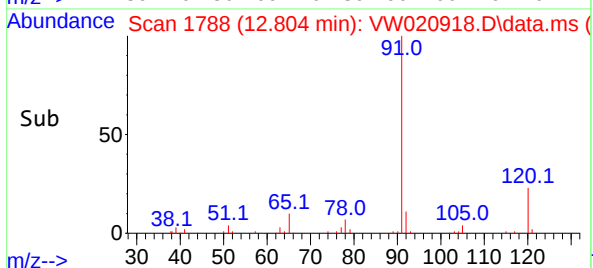
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

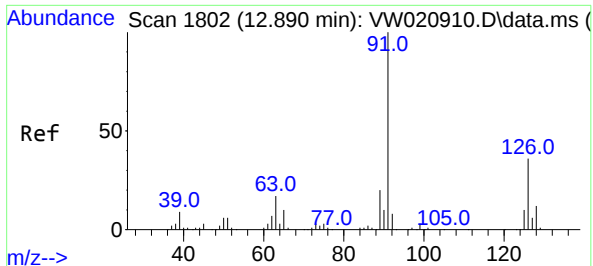


#78
n-propylbenzene
Concen: 4.109 ug/l
RT: 12.804 min Scan# 1788
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



Tgt Ion: 91 Resp: 18696
Ion Ratio Lower Upper
91 100
120 23.7 12.4 37.4





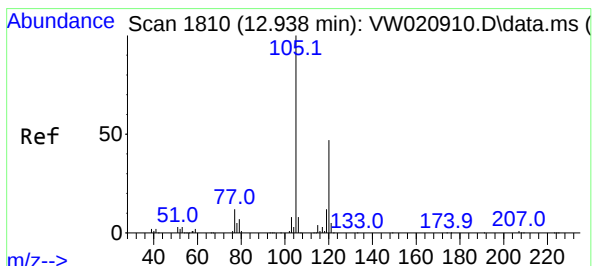
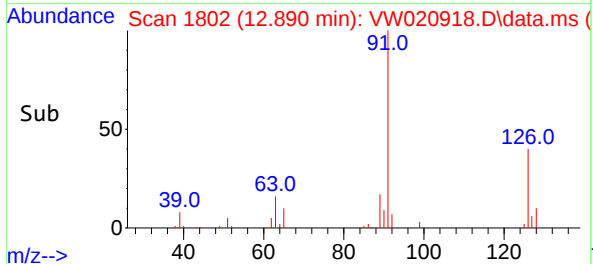
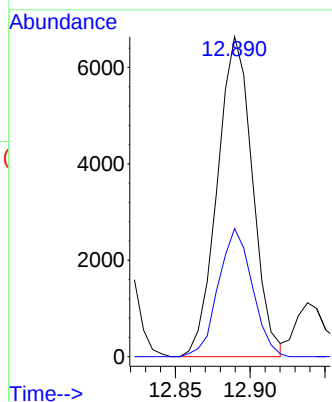
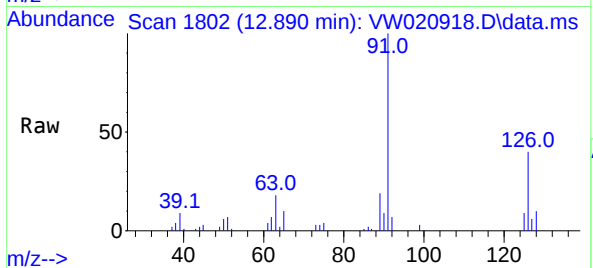
#79
2-Chlorotoluene
Concen: 4.119 ug/l
RT: 12.890 min Scan# 1802
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion: 91 Resp: 10830
Ion Ratio Lower Upper
91 100
126 38.6 18.0 54.0

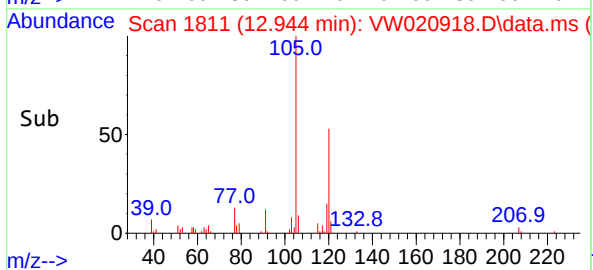
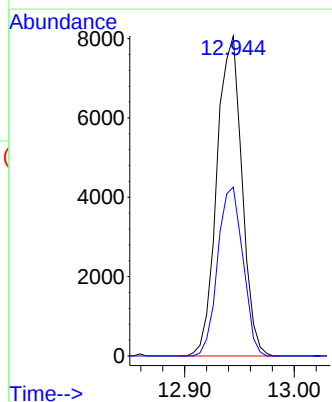
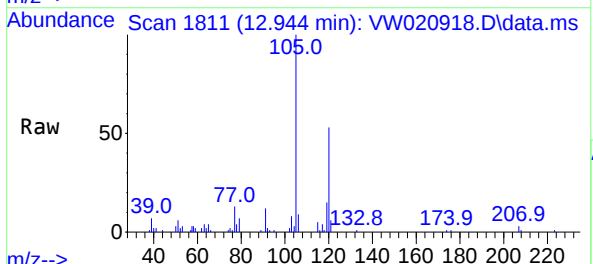
Manual Integrations
APPROVED

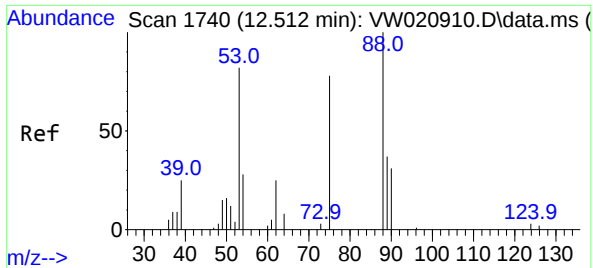
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#80
1,3,5-Trimethylbenzene
Concen: 3.867 ug/l
RT: 12.944 min Scan# 1811
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

Tgt Ion:105 Resp: 12808
Ion Ratio Lower Upper
105 100
120 53.0 24.7 74.1





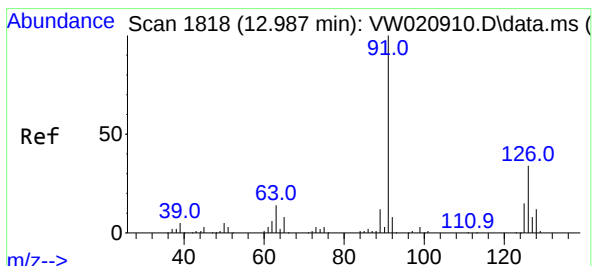
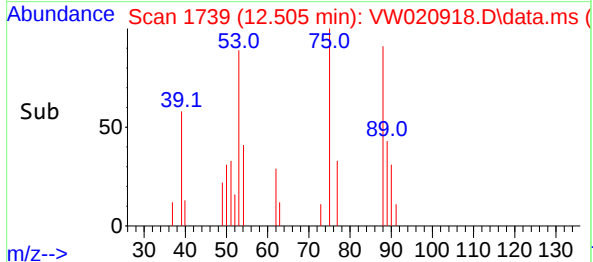
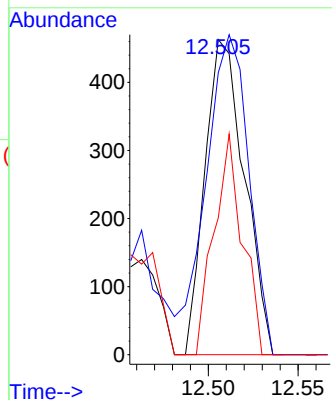
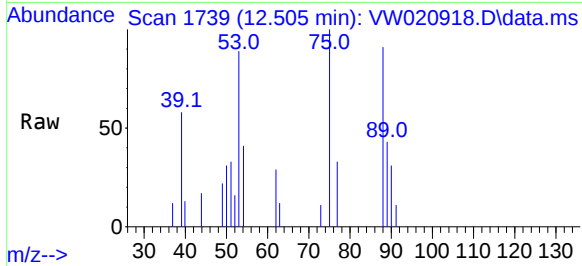
#81
trans-1,4-Dichloro-2-butene
Concen: 3.288 ug/l m
RT: 12.505 min Scan# 1739
Delta R.T. -0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion: 75 Resp: 710
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.8
89 0.0 38.6 57.8

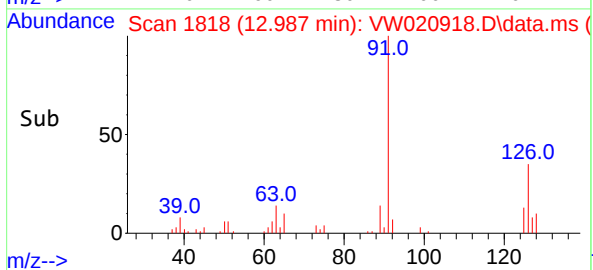
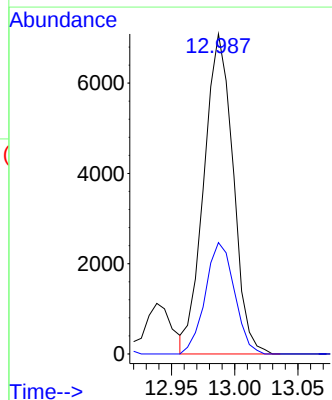
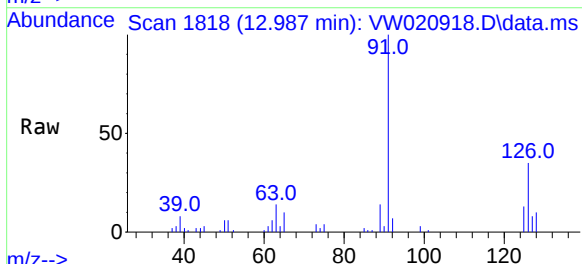
Manual Integrations
APPROVED

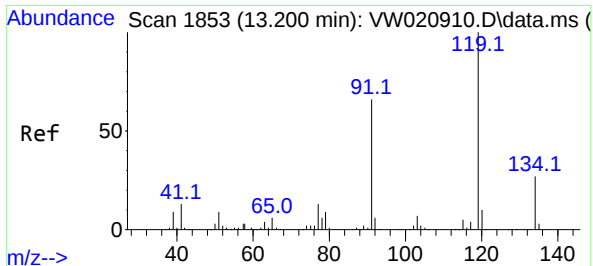
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#82
4-Chlorotoluene
Concen: 4.078 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

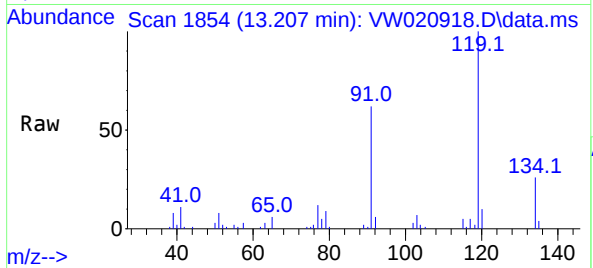
Tgt Ion: 91 Resp: 11373
Ion Ratio Lower Upper
91 100
126 34.7 17.1 51.2





#83
tert-Butylbenzene
Concen: 4.135 ug/l
RT: 13.207 min Scan# 1854
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

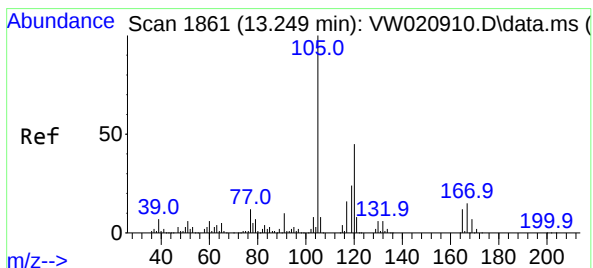
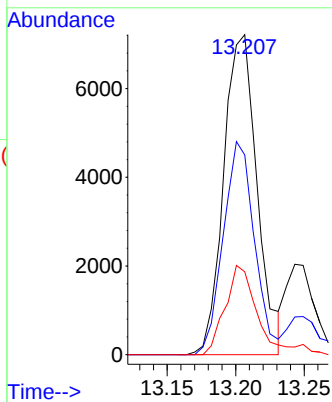
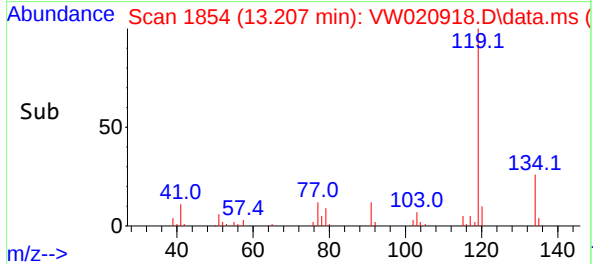
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



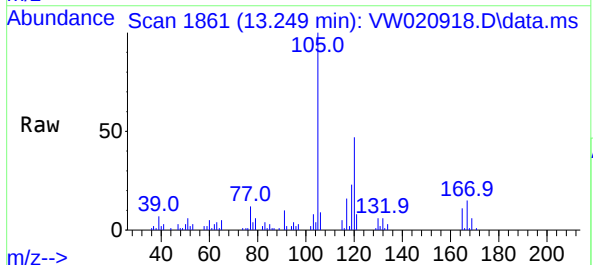
Tgt Ion:119 Resp: 1224
Ion Ratio Lower Upper
119 100
91 62.5 32.6 97.8
134 27.4 13.2 39.5

Manual Integrations
APPROVED

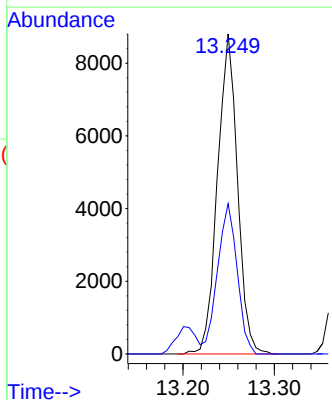
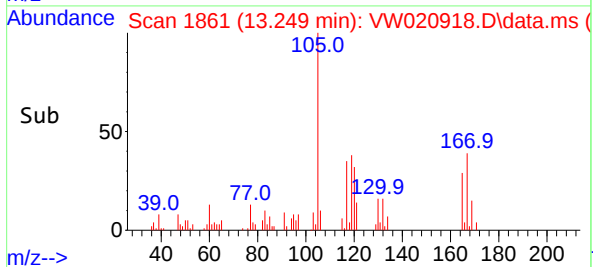
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

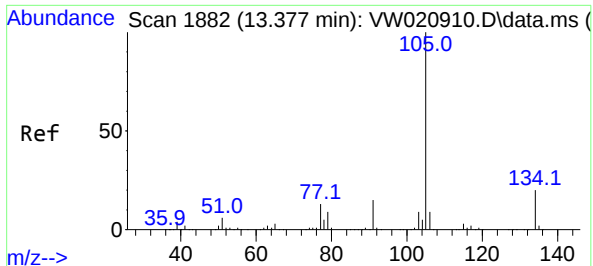


#84
1,2,4-Trimethylbenzene
Concen: 4.098 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



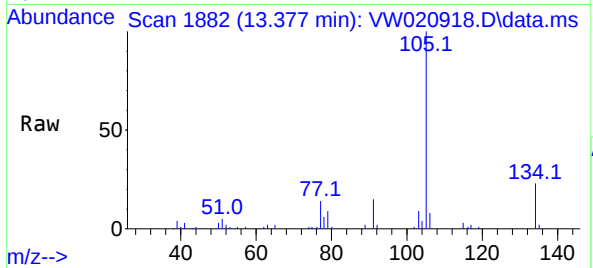
Tgt Ion:105 Resp: 13405
Ion Ratio Lower Upper
105 100
120 46.2 22.7 68.1





#85
 sec-Butylbenzene
 Concen: 4.036 ug/l
 RT: 13.377 min Scan# 1882
 Delta R.T. 0.000 min
 Lab File: VW020918.D
 Acq: 17 Nov 2021 22:12

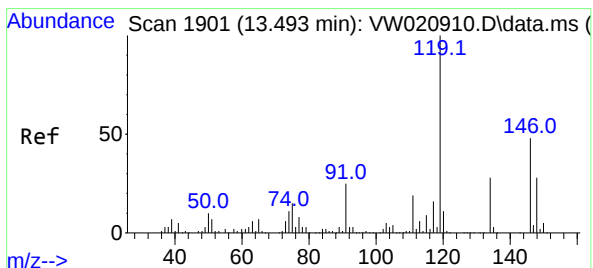
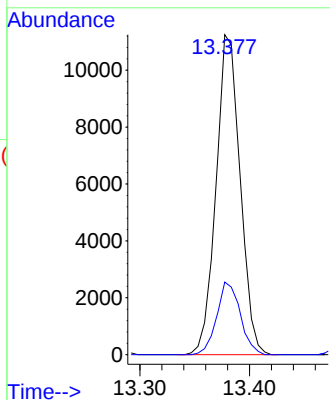
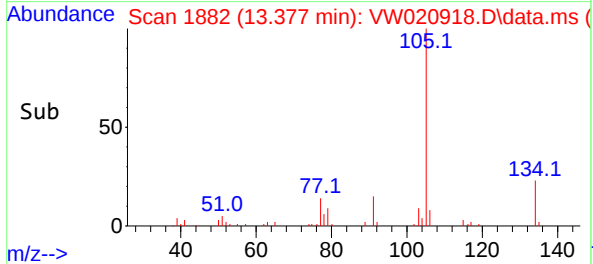
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2021



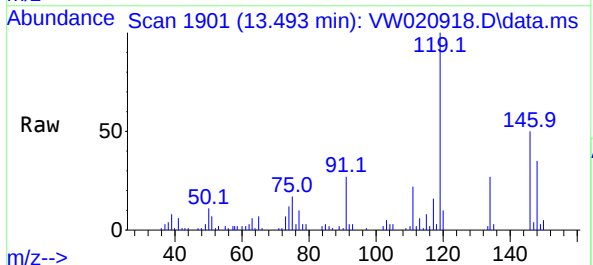
Tgt Ion:105 Resp: 1719
 Ion Ratio Lower Upper
 105 100
 134 22.1 10.4 31.4

Manual Integrations
 APPROVED

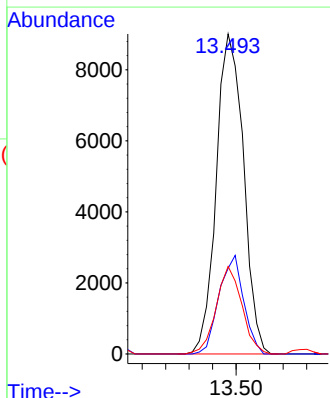
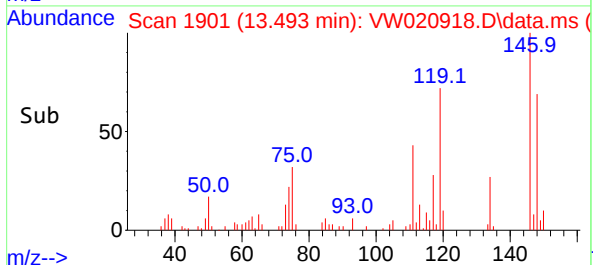
Reviewed By :Vimala Arumugam 11/18/2021
 Supervised By :Mahesh Dadoda 11/18/2021

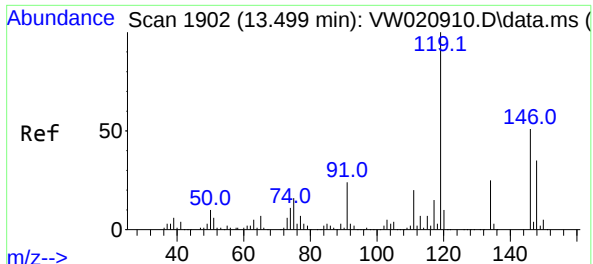


#86
 p-Isopropyltoluene
 Concen: 3.941 ug/l
 RT: 13.493 min Scan# 1901
 Delta R.T. 0.000 min
 Lab File: VW020918.D
 Acq: 17 Nov 2021 22:12



Tgt Ion:119 Resp: 14477
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.2 39.5
 91 25.8 11.9 35.9





#87
1,3-Dichlorobenzene
Concen: 4.199 ug/l
RT: 13.499 min Scan# 1902
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

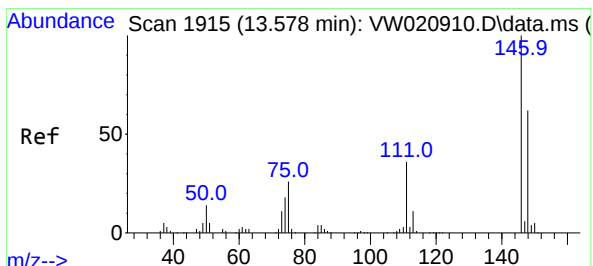
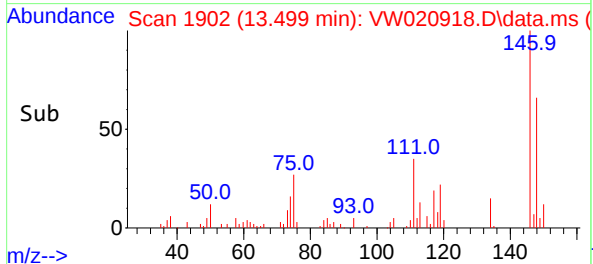
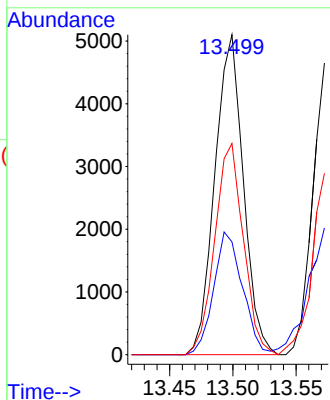
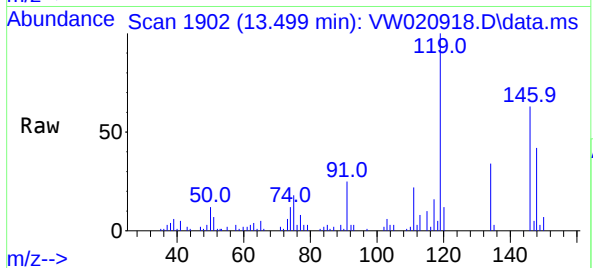
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021

Tgt Ion:146 Resp: 7984

Ion	Ratio	Lower	Upper
146	100		
111	38.9	20.0	59.9
148	66.4	31.7	95.1

Manual Integrations
APPROVED

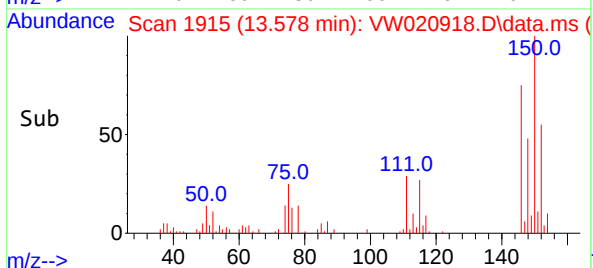
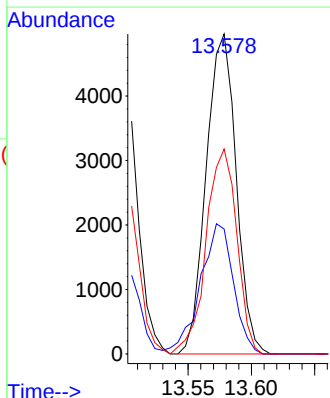
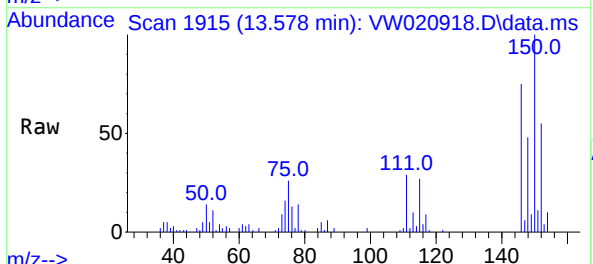
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

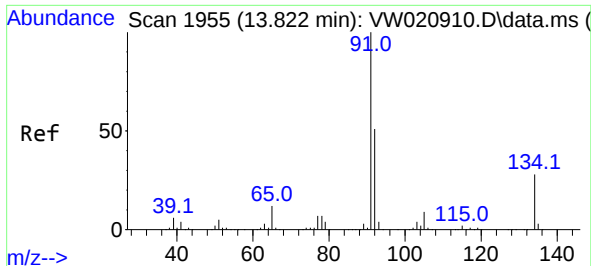


#88
1,4-Dichlorobenzene
Concen: 4.282 ug/l
RT: 13.578 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

Tgt Ion:146 Resp: 8183

Ion	Ratio	Lower	Upper
146	100		
111	45.0	18.8	56.4
148	65.5	31.1	93.2





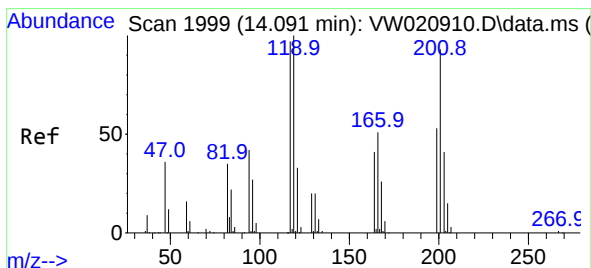
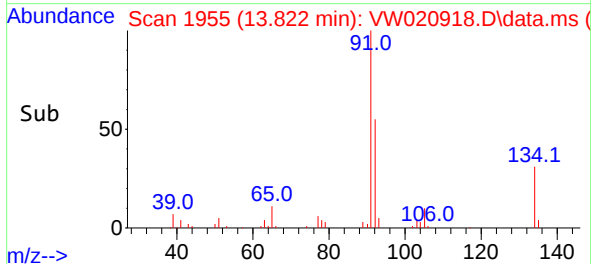
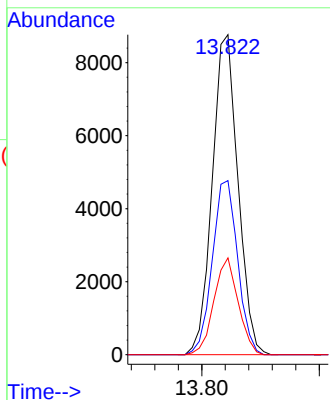
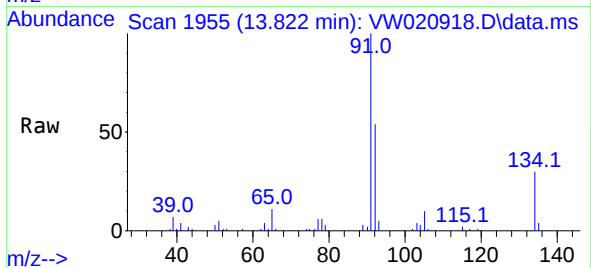
#89
n-Butylbenzene
Concen: 4.038 ug/l
RT: 13.822 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion: 91	Resp: 13318
Ion Ratio	Lower Upper
91	100
92	53.7 26.5 79.4
134	28.6 13.6 40.8

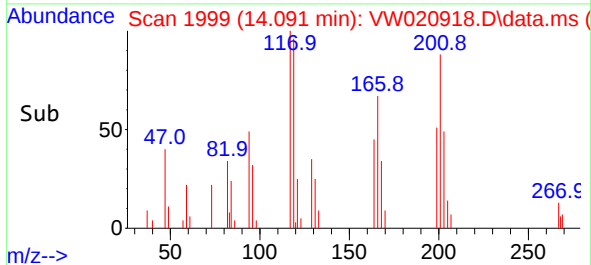
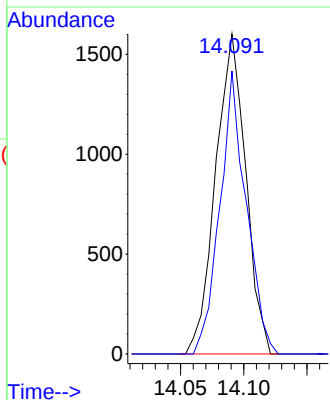
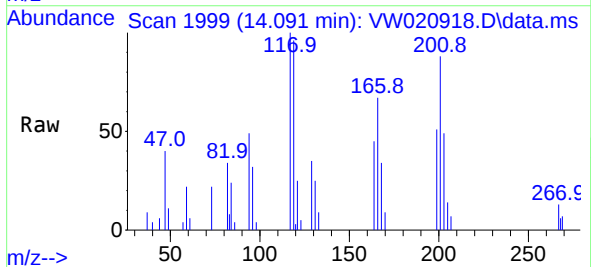
Manual Integrations
APPROVED

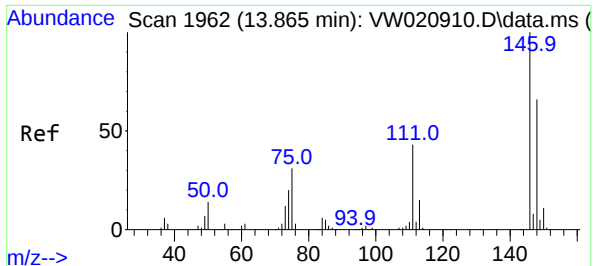
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#90
Hexachloroethane
Concen: 3.835 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

Tgt Ion:117	Resp: 2653
Ion Ratio	Lower Upper
117	100
201	77.4 43.8 131.4





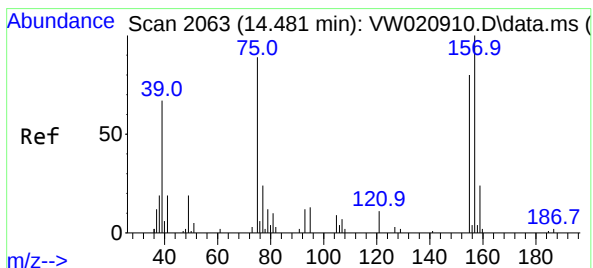
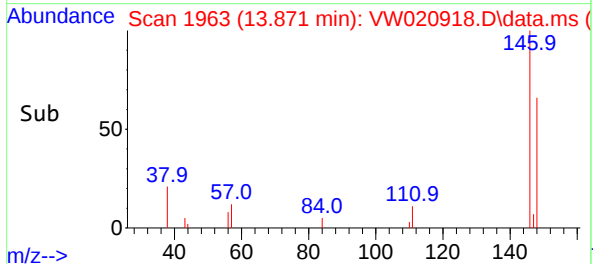
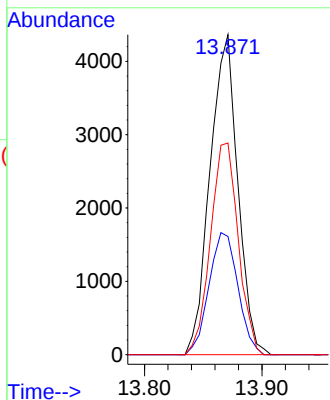
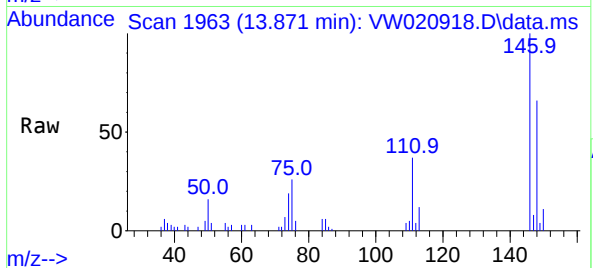
#91
1,2-Dichlorobenzene
Concen: 4.289 ug/l
RT: 13.871 min Scan# 1962
Delta R.T. 0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

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

Tgt Ion:146 Resp: 716
Ion Ratio Lower Upper
146 100
111 39.8 21.1 63.3
148 66.2 32.6 97.8

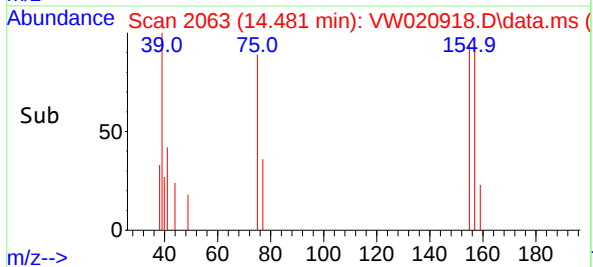
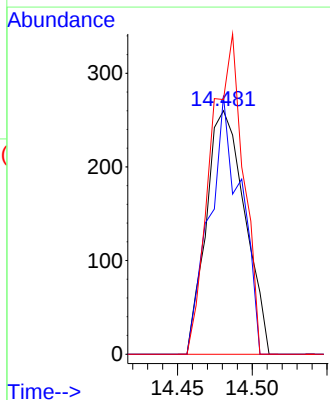
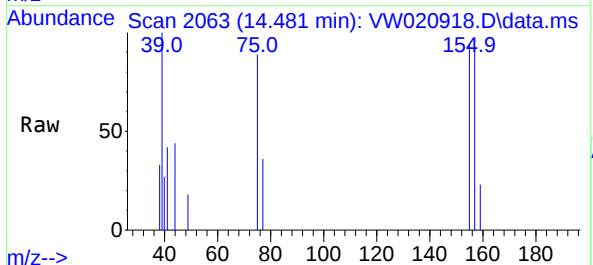
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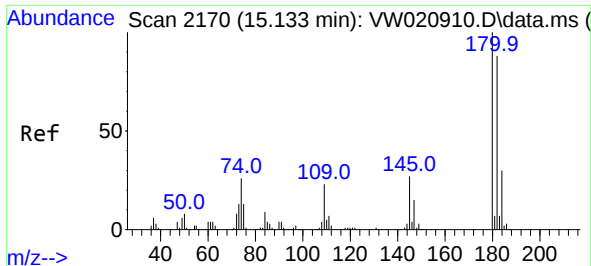
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.946 ug/l
RT: 14.481 min Scan# 2063
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

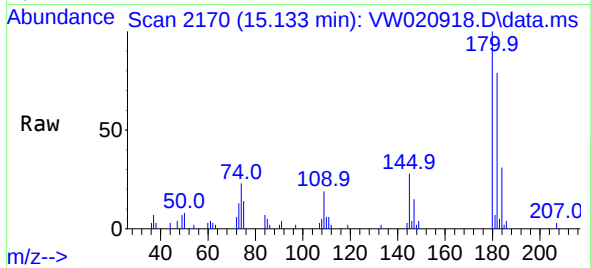
Tgt Ion: 75 Resp: 467
Ion Ratio Lower Upper
75 100
155 86.9 45.9 137.6
157 111.8 57.8 173.4





#93
1,2,4-Trichlorobenzene
Concen: 4.477 ug/l
RT: 15.133 min Scan# 2170
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

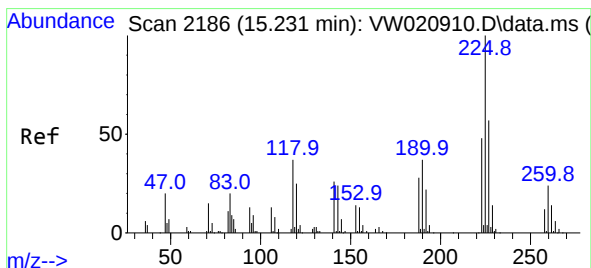
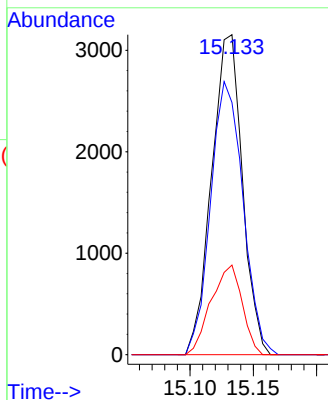
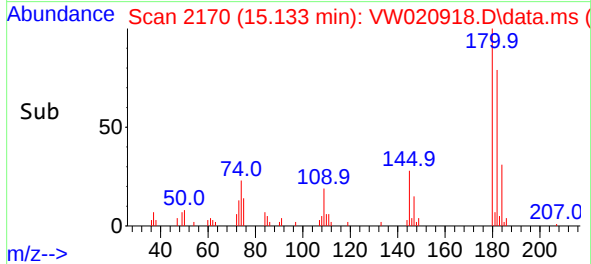
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



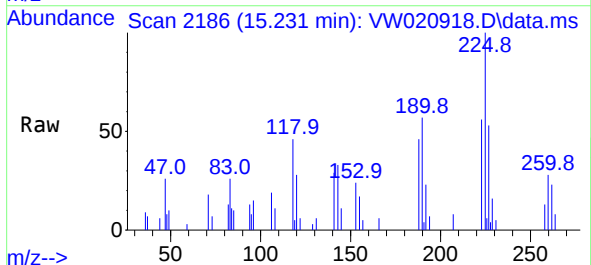
Tgt Ion:180 Resp: 5329
Ion Ratio Lower Upper
180 100
182 89.9 46.5 139.3
145 28.2 15.0 45.1

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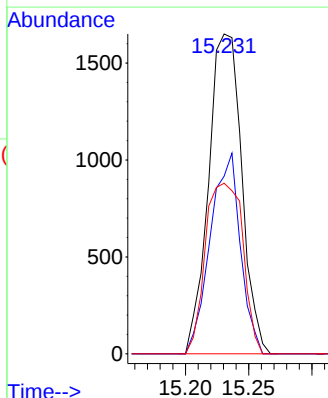
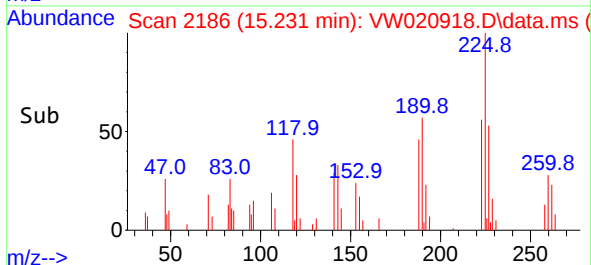
Reviewed By :Vimala Arumugam 11/18/2021
Supervised By :Mahesh Dadoda 11/18/2021

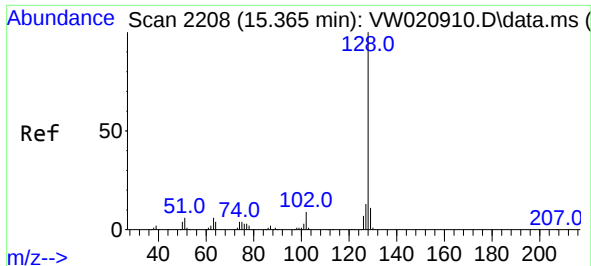


#94
Hexachlorobutadiene
Concen: 4.462 ug/l
RT: 15.231 min Scan# 2186
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12



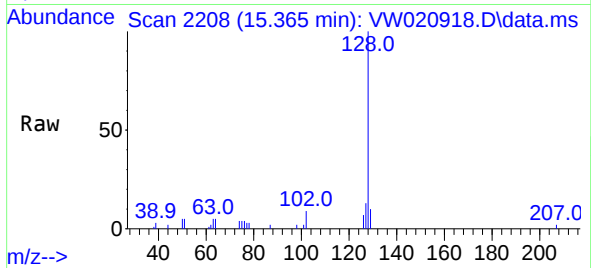
Tgt Ion:225 Resp: 3012
Ion Ratio Lower Upper
225 100
223 56.6 31.1 93.3
227 60.0 32.8 98.3





#95
Naphthalene
Concen: 4.324 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. 0.000 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

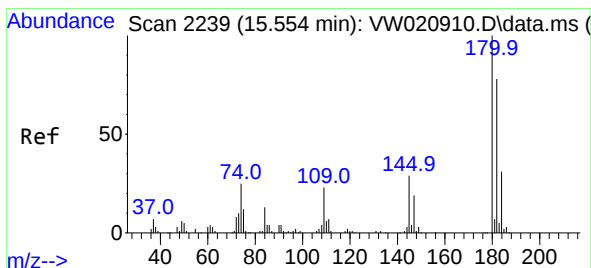
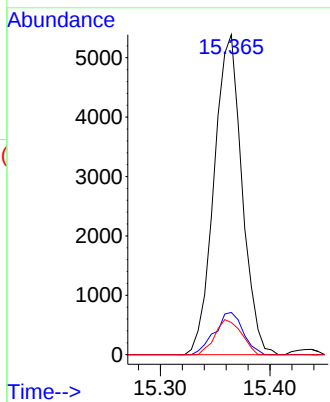
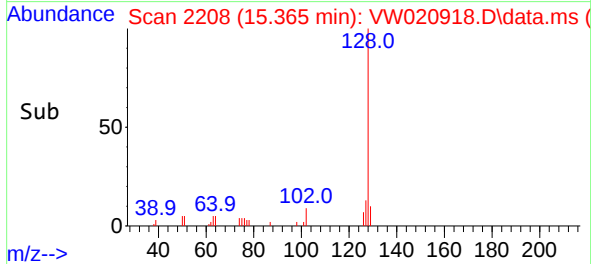
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2021



Tgt Ion:128 Resp: 9540
Ion Ratio Lower Upper
128 100
127 13.4 10.6 16.0
129 10.3 8.6 13.0

Manual Integrations
APPROVED

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



#96
1,2,3-Trichlorobenzene
Concen: 4.227 ug/l
RT: 15.548 min Scan# 2238
Delta R.T. -0.006 min
Lab File: VW020918.D
Acq: 17 Nov 2021 22:12

Tgt Ion:180 Resp: 4437
Ion Ratio Lower Upper
180 100
182 97.1 46.2 138.6
145 32.1 14.9 44.5

