

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022322\
 Data File : VW022115.D
 Acq On : 23 Feb 2022 17:49
 Operator : SY/VA
 Sample : N1331-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2022-01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/28/2022

Quant Time: Feb 24 04:16:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM022322SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Feb 24 03:35:08 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.841	114	164335	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.627	117	155766	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.554	152	77536	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.355	65	51807	24.170	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	96.680%		
7) Chloroethane-d5	2.885	69	35788	21.221	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery =	84.880%		
11) 1,1-Dichloroethene-d2	4.019	63	62856	19.149	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery =	76.600%		
21) 2-Butanone-d5	7.079	46	18196	50.490	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	100.980%		
24) Chloroform-d	7.646	84	91570	24.974	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery =	99.880%		
26) 1,2-Dichloroethane-d4	8.305	65	48312	25.349	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery =	101.400%		
32) Benzene-d6	8.274	84	180892	24.953	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery =	99.800%		
36) 1,2-Dichloropropane-d6	9.274	67	48862	24.271	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery =	97.080%		
41) Toluene-d8	10.323	98	176448	24.482	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery =	97.920%		
43) trans-1,3-Dichloroprop...	10.579	79	20825	23.330	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery =	93.320%		
47) 2-Hexanone-d5	10.920	63	15704	47.427	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery =	94.860%		
56) 1,1,2,2-Tetrachloroeth...	12.688	84	41776	23.645	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery =	94.560%		
66) 1,2-Dichlorobenzene-d4	13.846	152	64032	25.712	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery =	102.840%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.013	85	562	1.224	ug/L #	76
3) Chloromethane	2.221	50	2149	1.365	ug/L	94
5) Vinyl chloride	2.367	62	3166	1.339	ug/L #	29
6) Bromomethane	2.781	94	1808	1.095	ug/L	91
8) Chloroethane	2.928	64	1579	1.189	ug/L	93
9) Trichlorofluoromethane	3.263	101	1873	1.167	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	4.062	101	3149m	1.608	ug/L	
12) 1,1-Dichloroethene	4.043	96	2864m	1.687	ug/L	
13) Acetone	4.141	43	817m	2.776	ug/L	
14) Carbon disulfide	4.379	76	4843	1.100	ug/L #	94
15) Methyl Acetate	4.690	43	962m	1.452	ug/L	
16) Methylene chloride	4.915	84	5371	2.663	ug/L	89
17) trans-1,2-Dichloroethene	5.427	96	2248	1.206	ug/L #	85
18) Methyl tert-butyl Ether	5.433	73	2933	1.156	ug/L #	64
19) 1,1-Dichloroethane	6.214	63	3482	1.154	ug/L #	93
20) cis-1,2-Dichloroethene	7.171	96	2465	1.220	ug/L	91
22) 2-Butanone	7.183	43	1072m	2.535	ug/L	
23) Bromochloromethane	7.531	128	1298m	1.316	ug/L	
25) Chloroform	7.671	83	4721	1.340	ug/L	89

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.402	62	2692	1.241	ug/L #	75
29) Cyclohexane	7.957	56	2751	1.061	ug/L #	72
30) 1,1,1-Trichloroethane	7.878	97	3600	1.149	ug/L	94
31) Carbon tetrachloride	8.073	117	3298	1.107	ug/L	99
33) Benzene	8.323	78	8358	1.110	ug/L	100
34) Trichloroethene	9.091	95	2614	1.212	ug/L	85
35) Methylcyclohexane	9.341	83	3567	1.069	ug/L #	88
37) 1,2-Dichloropropane	9.372	63	2037	1.159	ug/L #	96
38) Bromodichloromethane	9.646	83	2644	1.049	ug/L	96
39) cis-1,3-Dichloropropene	10.073	75	3102	1.162	ug/L	88
40) 4-Methyl-2-pentanone	10.213	43	1860	1.960	ug/L	96
42) Toluene	10.384	91	12488	1.465	ug/L	95
44) trans-1,3-Dichloropropene	10.603	75	2662	1.109	ug/L	98
45) 1,1,2-Trichloroethane	10.786	97	1715	1.101	ug/L	91
46) Tetrachloroethene	10.865	164	2354	1.246	ug/L	90
48) 2-Hexanone	10.963	43	1346	2.044	ug/L #	92
49) Dibromochloromethane	11.127	129	1981	1.047	ug/L	90
50) 1,2-Dibromoethane	11.237	107	1688	1.123	ug/L #	96
51) Chlorobenzene	11.658	112	6812	1.148	ug/L	93
52) Ethylbenzene	11.731	91	9518	1.009	ug/L	97
53) m,p-Xylene	11.835	106	4028	1.038	ug/L	94
54) o-Xylene	12.170	106	3390	0.928	ug/L	96
55) Styrene	12.182	104	5597	0.914	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.713	83	1937	1.072	ug/L #	88
59) Bromoform	12.347	173	1048	1.022	ug/L #	92
60) Isopropylbenzene	12.463	105	9213	0.990	ug/L	98
61) 1,2,3-Trichloropropane	12.767	75	1431	1.169	ug/L	93
62) 1,3,5-Trimethylbenzene	12.944	105	6185	0.999	ug/L	97
63) 1,2,4-Trimethylbenzene	13.249	105	7519	0.994	ug/L	97
64) 1,3-Dichlorobenzene	13.499	146	5047	1.093	ug/L	94
65) 1,4-Dichlorobenzene	13.572	146	5730	1.238	ug/L	99
67) 1,2-Dichlorobenzene	13.871	146	4890	1.191	ug/L	94
68) 1,2-Dibromo-3-chloropr...	14.481	75	272m	1.051	ug/L	
69) 1,3,5-Trichlorobenzene	14.627	180	3581m	1.081	ug/L	
70) 1,2,4-trichlorobenzene	15.127	180	2592	1.034	ug/L	95
71) Naphthalene	15.365	128	3928	0.887	ug/L	100
72) 1,2,3-Trichlorobenzene	15.554	180	2348	1.083	ug/L	98

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

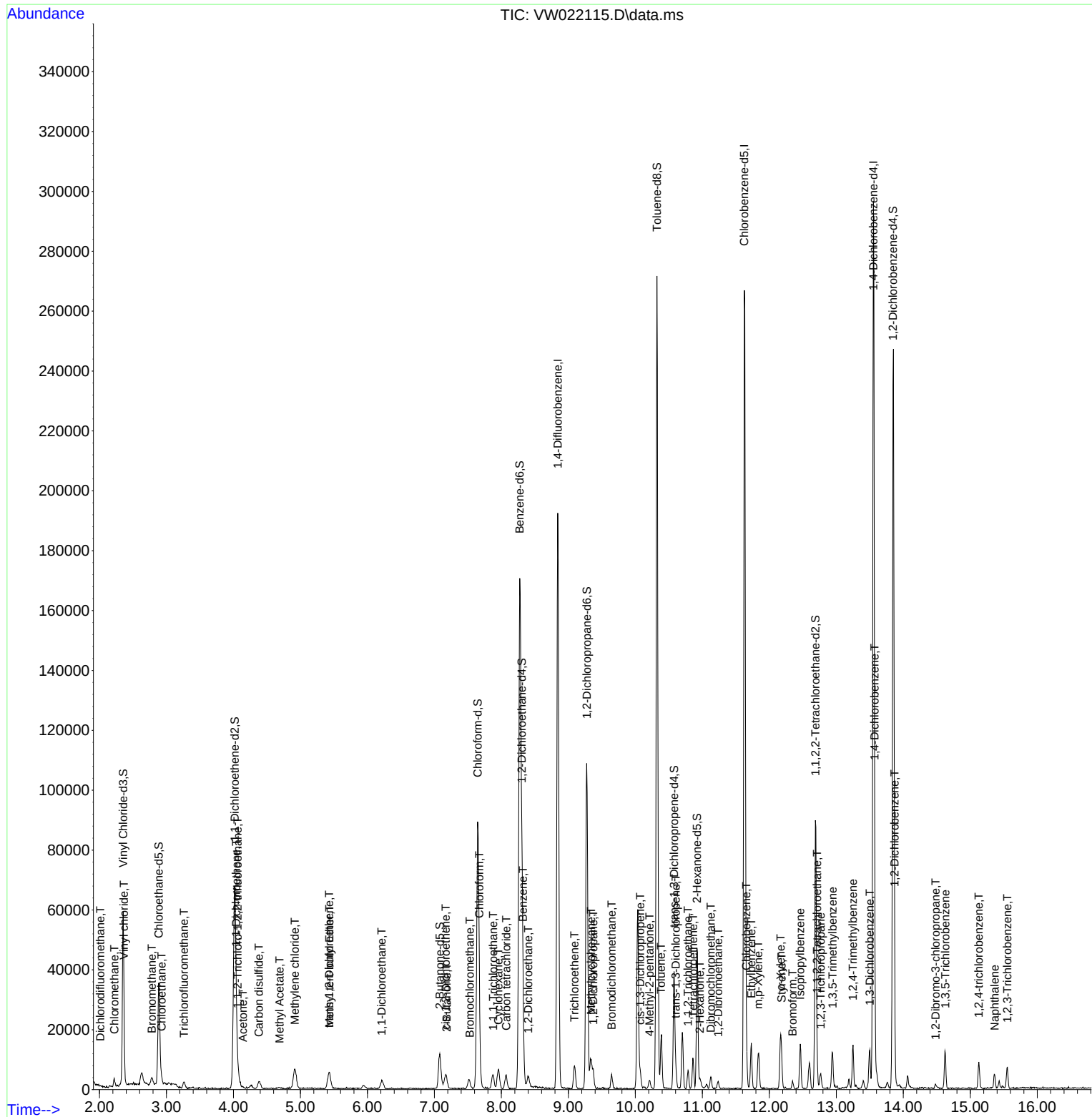
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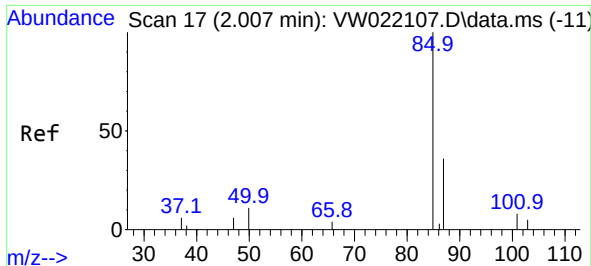
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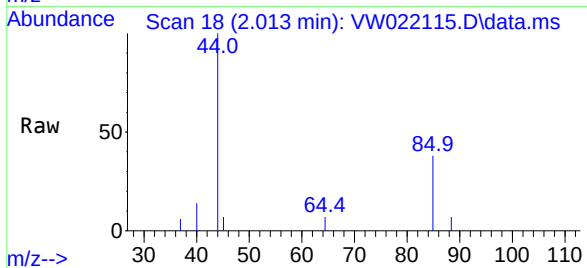
Reviewed By : Semsettin Yesilyurt 02/24/2022
 Supervised By : Mahesh Dadoda 02/28/2022





#2
Dichlorodifluoromethane
Concen: 1.224 ug/L
RT: 2.013 min Scan# 18
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

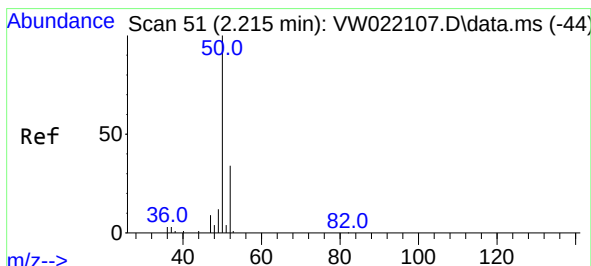
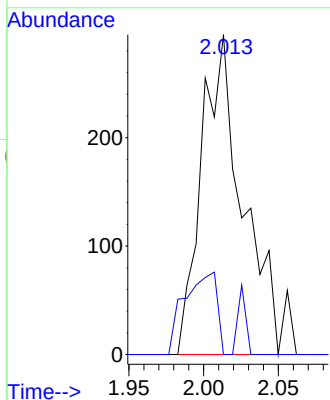
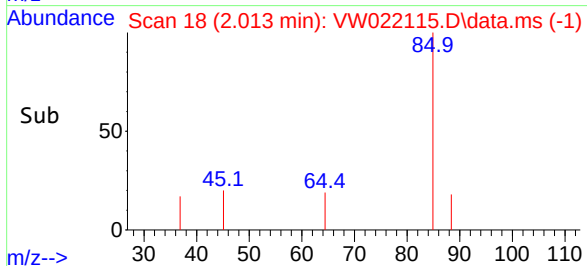
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



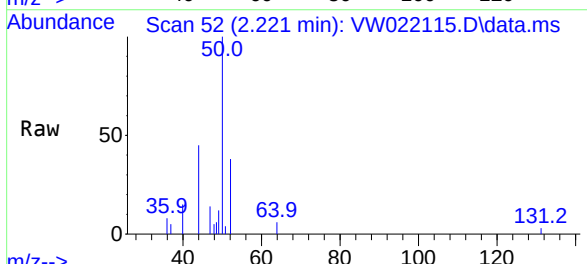
Tgt Ion: 85 Resp: 562
Ion Ratio Lower Upper
85 100
87 20.5 27.6 41.4

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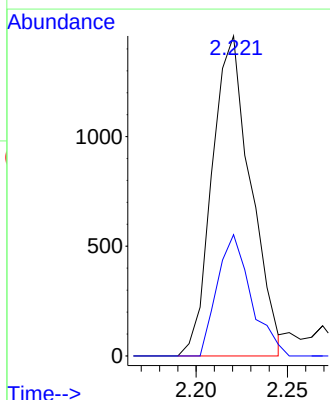
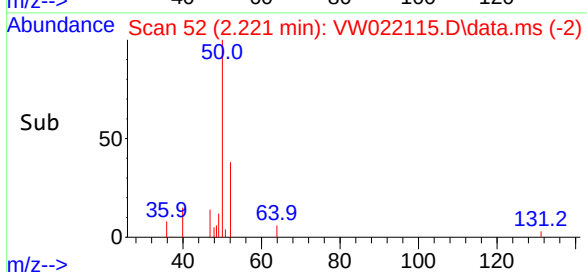
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

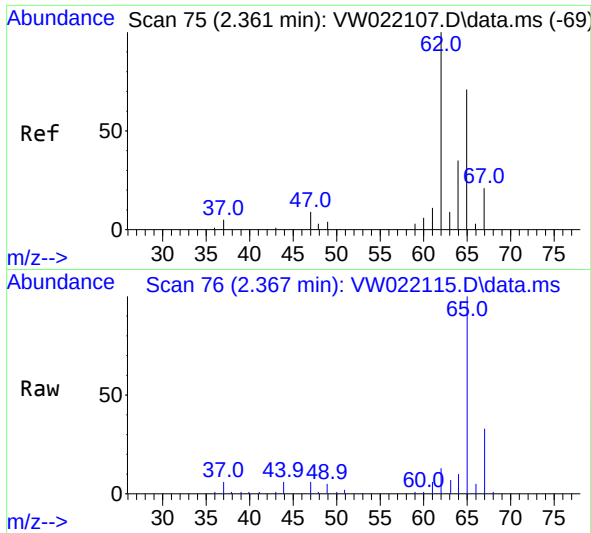


#3
Chloromethane
Concen: 1.365 ug/L
RT: 2.221 min Scan# 52
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



Tgt Ion: 50 Resp: 2149
Ion Ratio Lower Upper
50 100
52 37.9 23.9 44.5





#5

Vinyl chloride

Concen: 1.339 ug/L

RT: 2.367 min Scan# 70

Delta R.T. 0.006 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2022-01

Tgt Ion: 62 Resp: 316

Ion Ratio Lower Upper

62 100

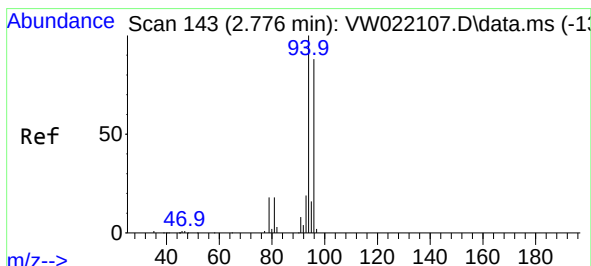
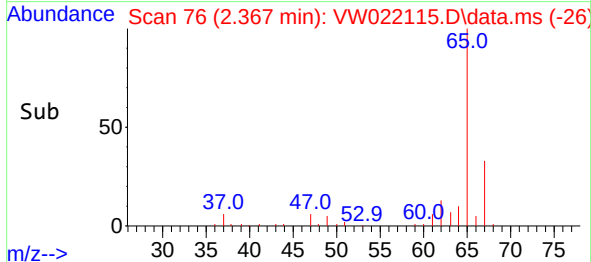
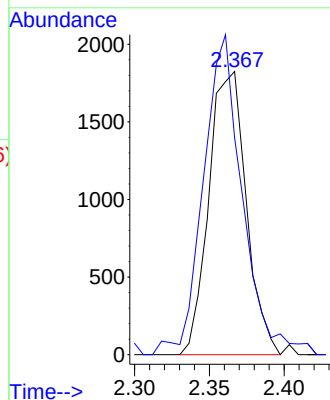
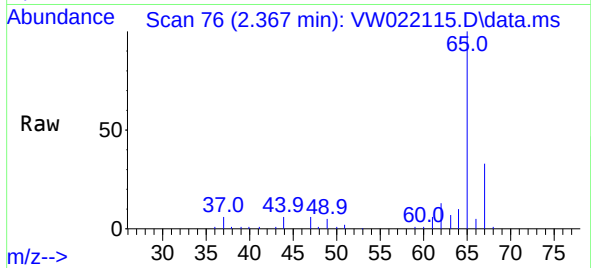
64 76.6 24.7 45.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2022

Supervised By :Mahesh Dadoda 02/28/2022



#6

Bromomethane

Concen: 1.095 ug/L

RT: 2.781 min Scan# 144

Delta R.T. -0.001 min

Lab File: VW022115.D

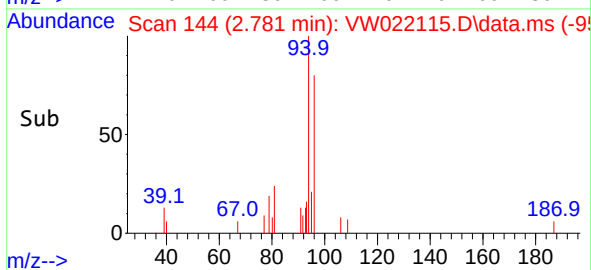
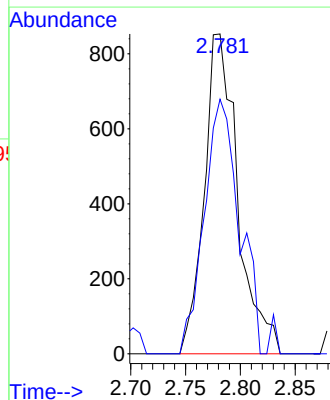
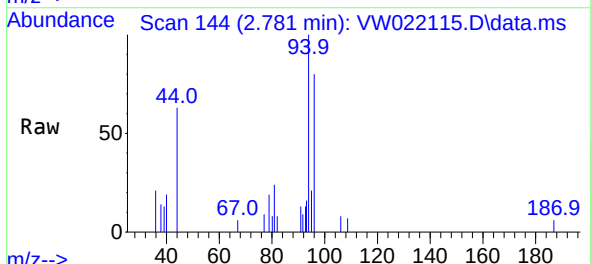
Acq: 23 Feb 2022 17:49

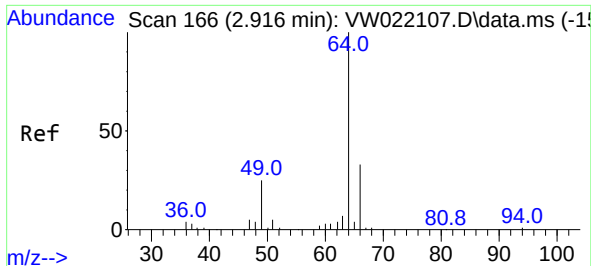
Tgt Ion: 94 Resp: 1808

Ion Ratio Lower Upper

94 100

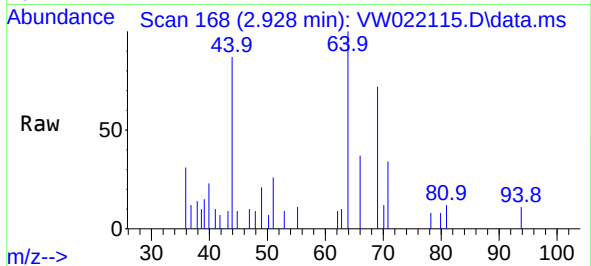
96 79.6 61.2 113.8





#8
Chloroethane
Concen: 1.189 ug/L
RT: 2.928 min Scan# 166
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

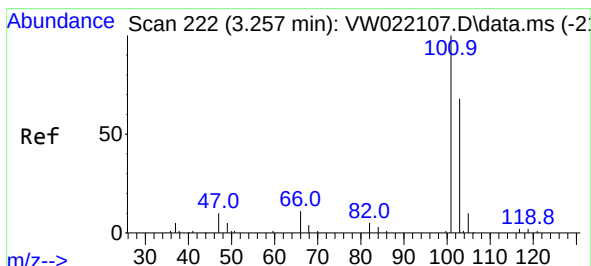
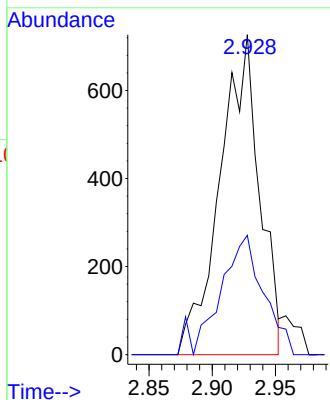
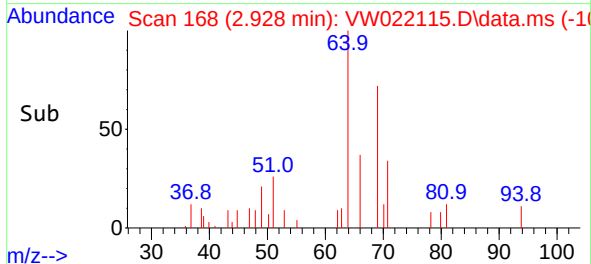
Instrument :
MSVOA_W
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MDL-SOIL-QT1-2022-01



Tgt Ion: 64 Resp: 1579
Ion Ratio Lower Upper
64 100
66 37.3 23.2 43.0

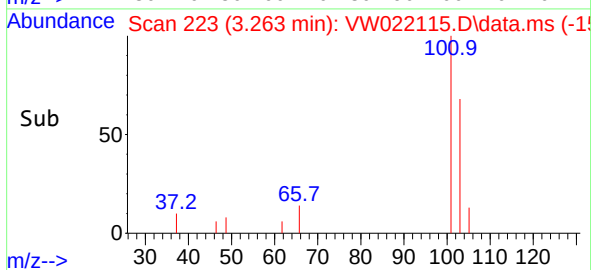
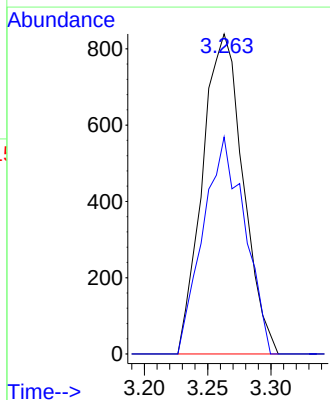
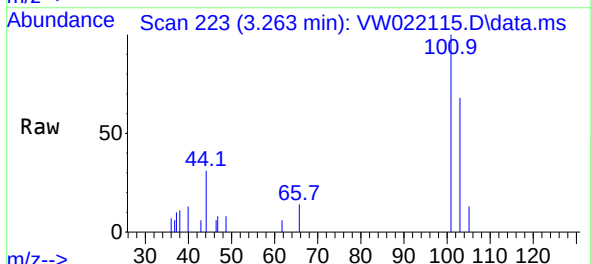
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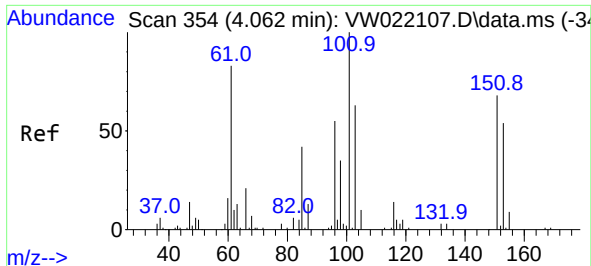
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#9
Trichlorofluoromethane
Concen: 1.167 ug/L
RT: 3.263 min Scan# 223
Delta R.T. 0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Tgt Ion:101 Resp: 1873
Ion Ratio Lower Upper
101 100
103 69.6 53.2 79.8





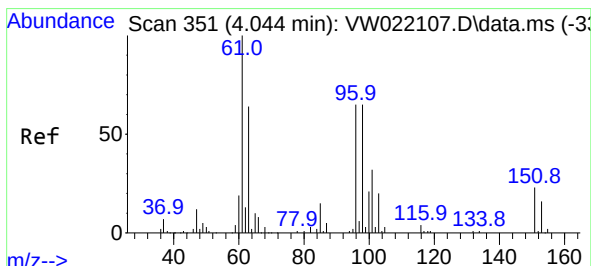
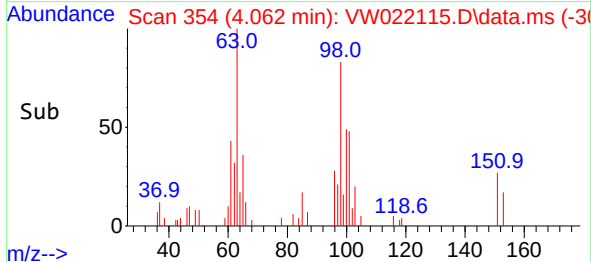
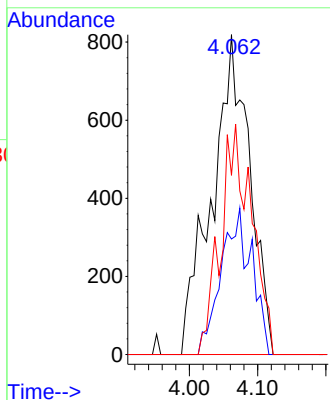
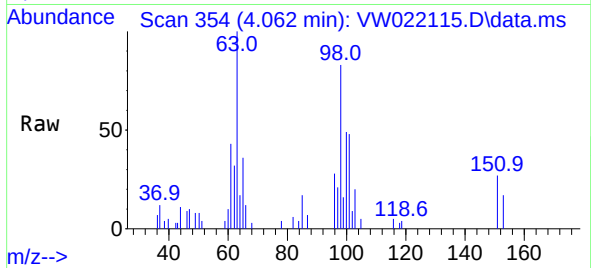
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.608 ug/L m
RT: 4.062 min Scan# 3149
Delta R.T. -0.000 min
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Tgt Ion: 101 Resp: 3149
Ion Ratio Lower Upper
101 100
85 10.4 34.4 51.6
151 31.1 59.0 88.4

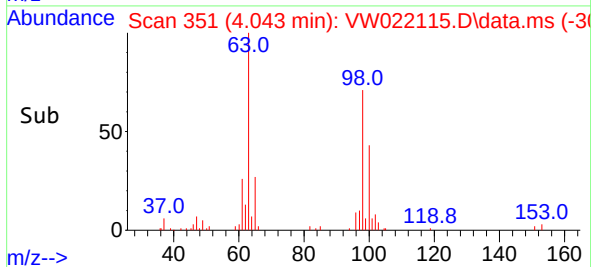
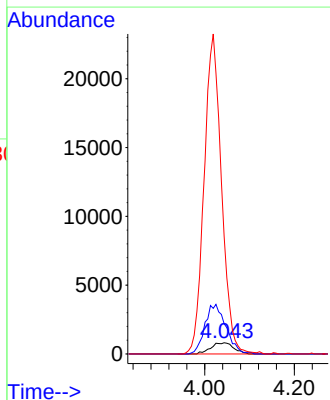
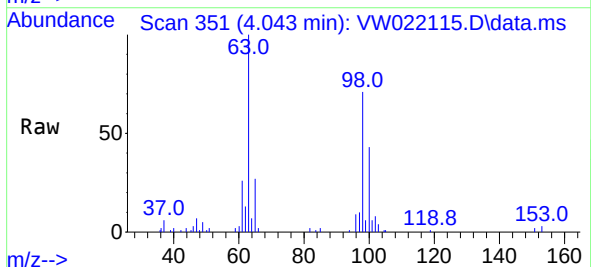
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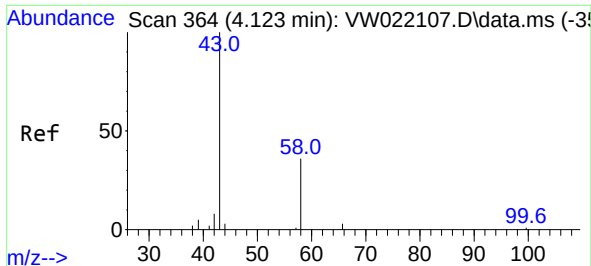
Reviewed By :Semsettin Yesilyurt 02/24/2022
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#12
1,1-Dichloroethene
Concen: 1.687 ug/L m
RT: 4.043 min Scan# 351
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Tgt Ion: 96 Resp: 2864
Ion Ratio Lower Upper
96 100
61 270.6 108.4 201.2#
63 1052.8 72.0 133.6#





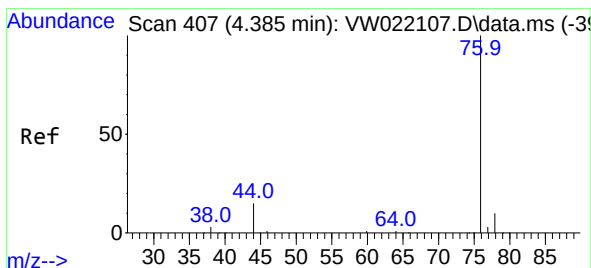
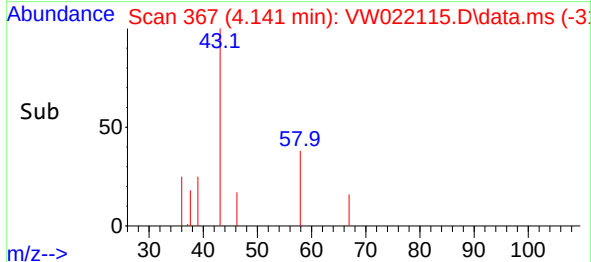
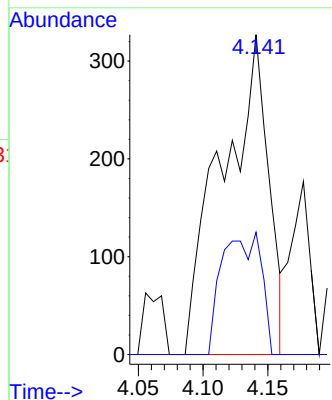
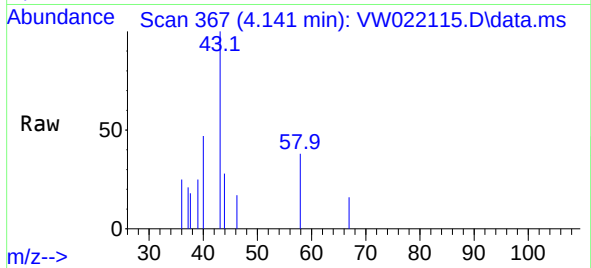
#13
Acetone
Concen: 2.776 ug/L m
RT: 4.141 min Scan# 30
Delta R.T. 0.024 min
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Tgt Ion: 43 Resp: 81
Ion Ratio Lower Upper
43 100
58 22.9 0.0 69.2

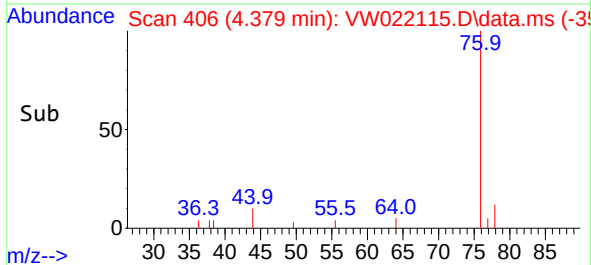
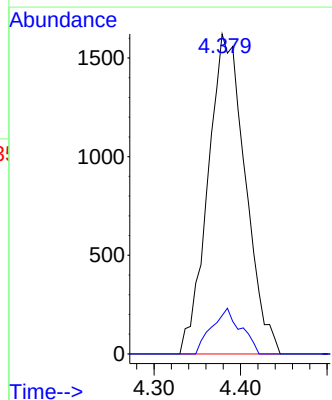
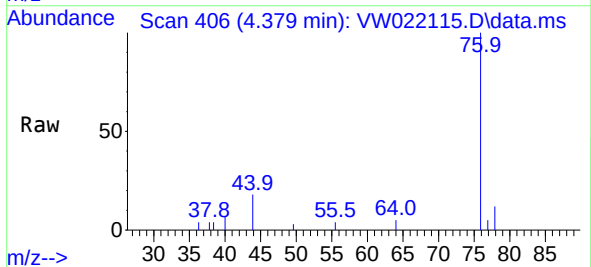
Manual Integrations
APPROVED

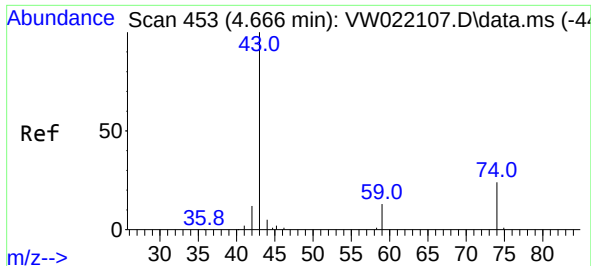
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#14
Carbon disulfide
Concen: 1.100 ug/L
RT: 4.379 min Scan# 406
Delta R.T. -0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

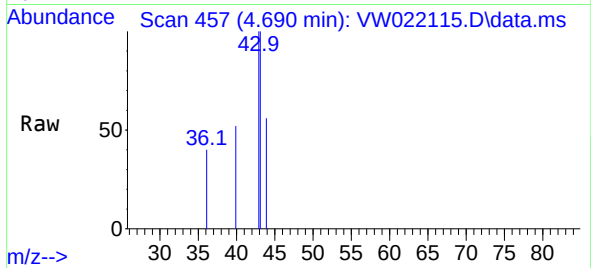
Tgt Ion: 76 Resp: 4843
Ion Ratio Lower Upper
76 100
78 12.0 7.8 11.8#





#15
Methyl Acetate
Concen: 1.452 ug/L m
RT: 4.690 min Scan# 4
Delta R.T. 0.024 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

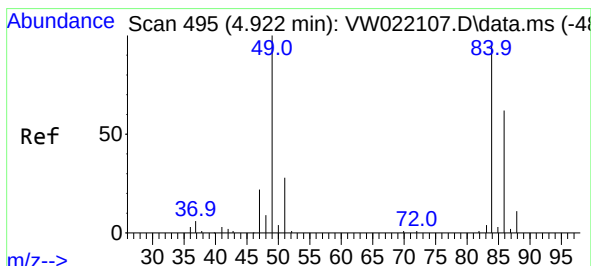
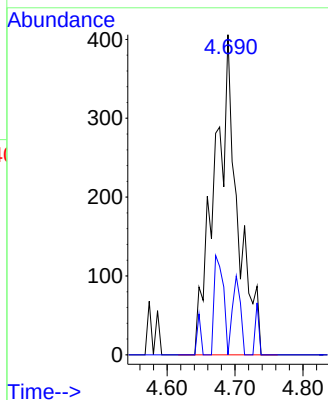
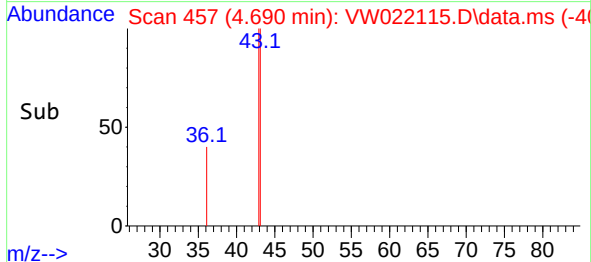
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion: 43 Resp: 962
Ion Ratio Lower Upper
43 100
74 12.4 23.0 34.6

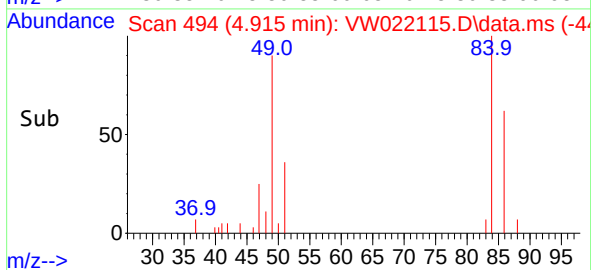
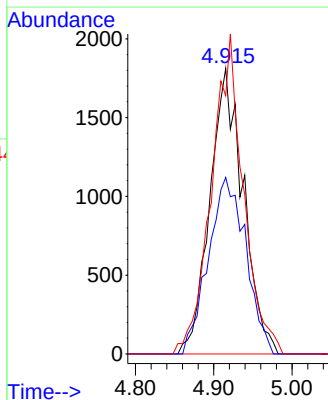
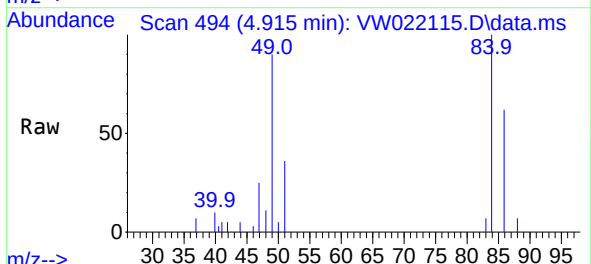
Manual Integrations
APPROVED

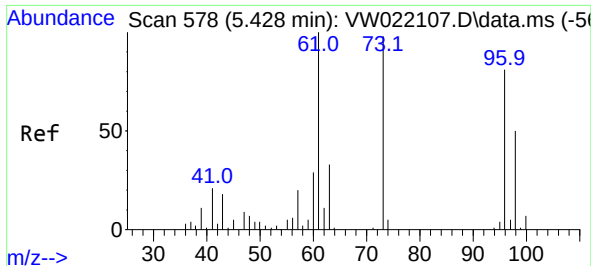
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#16
Methylene chloride
Concen: 2.663 ug/L
RT: 4.915 min Scan# 494
Delta R.T. -0.001 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

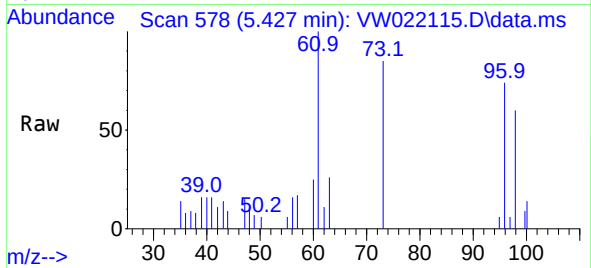
Tgt Ion: 84 Resp: 5371
Ion Ratio Lower Upper
84 100
86 61.8 45.8 85.0
49 90.4 73.8 137.0





#17
trans-1,2-Dichloroethene
Concen: 1.206 ug/L
RT: 5.427 min Scan# 51
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

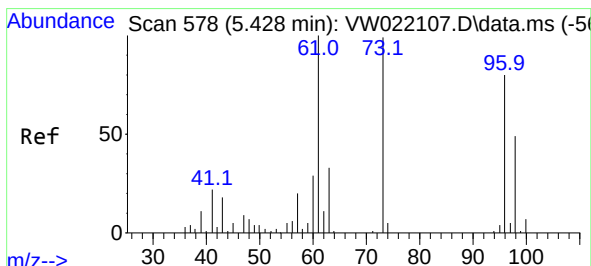
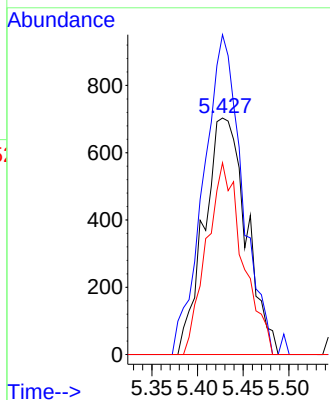
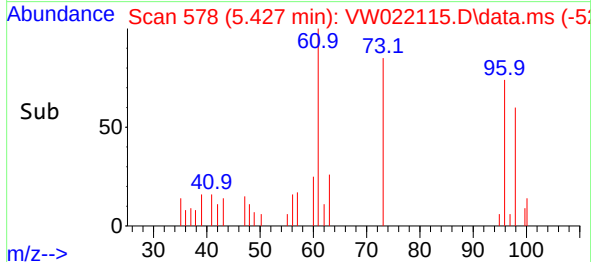
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



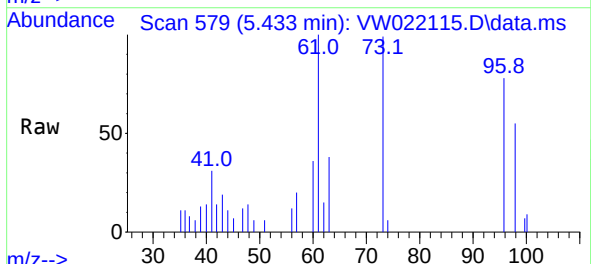
Tgt Ion: 96 Resp: 2248
Ion Ratio Lower Upper
96 100
61 135.3 87.3 162.1
98 81.1 43.2 80.2

Manual Integrations
APPROVED

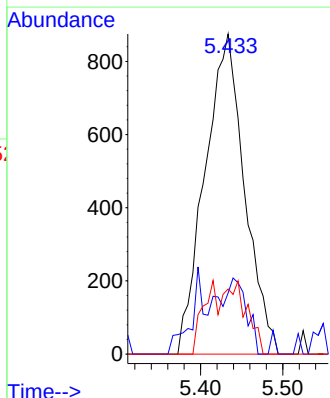
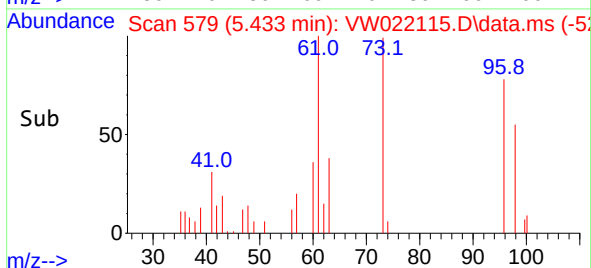
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

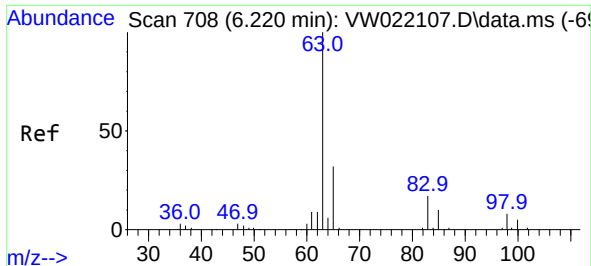


#18
Methyl tert-butyl Ether
Concen: 1.156 ug/L
RT: 5.433 min Scan# 579
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



Tgt Ion: 73 Resp: 2933
Ion Ratio Lower Upper
73 100
43 0.0 15.4 23.2#
57 6.3 16.5 24.7#





#19

1,1-Dichloroethane

Concen: 1.154 ug/L

RT: 6.214 min Scan# 708

Delta R.T. -0.006 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

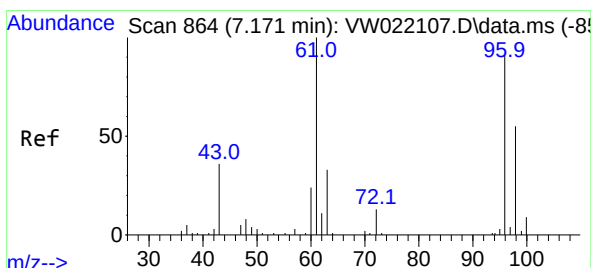
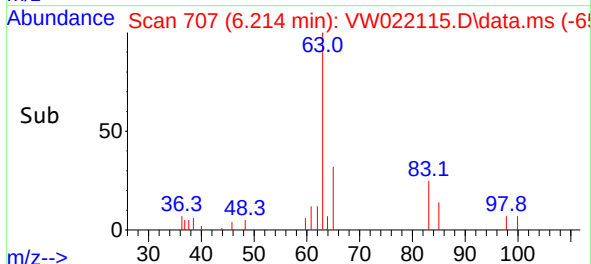
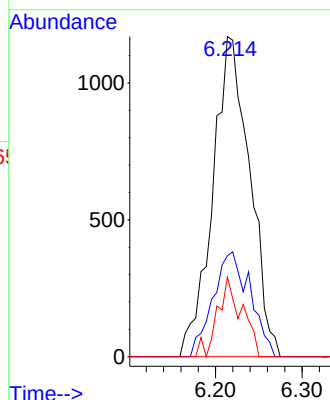
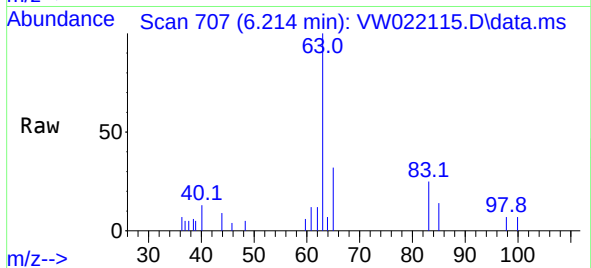
MDL-SOIL-QT1-2022-01

Tgt Ion: 63	Resp: 348
Ion Ratio	Lower Upper
63 100	
65 31.6	22.5 41.9
83 24.9	11.5 21.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#20

cis-1,2-Dichloroethene

Concen: 1.220 ug/L

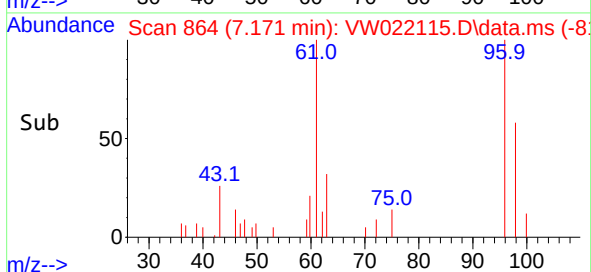
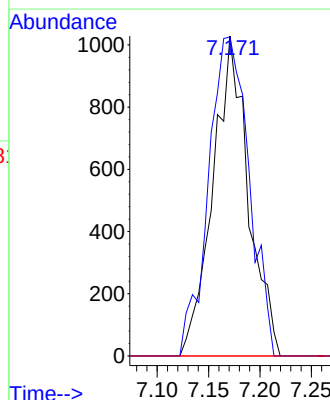
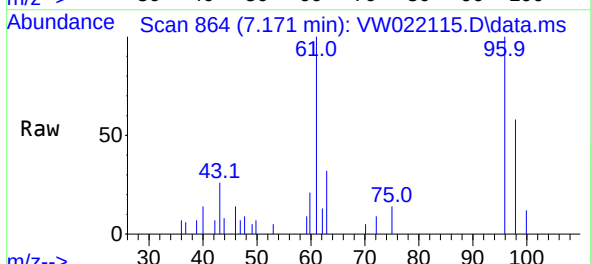
RT: 7.171 min Scan# 864

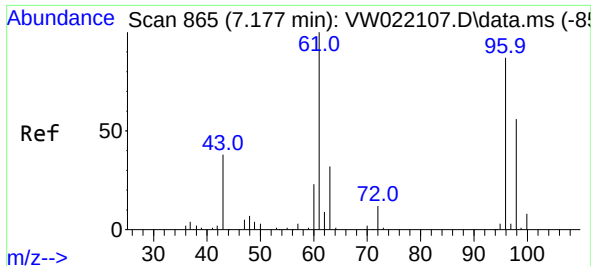
Delta R.T. -0.000 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

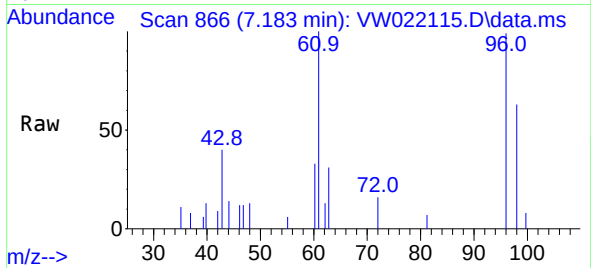
Tgt Ion: 96	Resp: 2465
Ion Ratio	Lower Upper
96 100	
61 99.7	76.8 142.6
68 0.0	0.0 0.0





#22
2-Butanone
Concen: 2.535 ug/L m
RT: 7.183 min Scan# 865
Delta R.T. 0.012 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

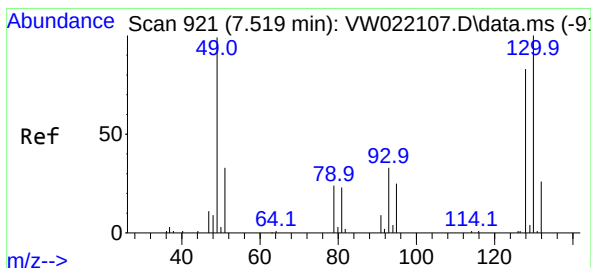
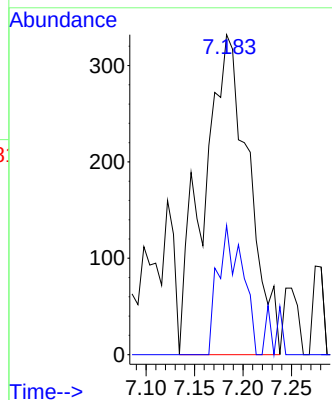
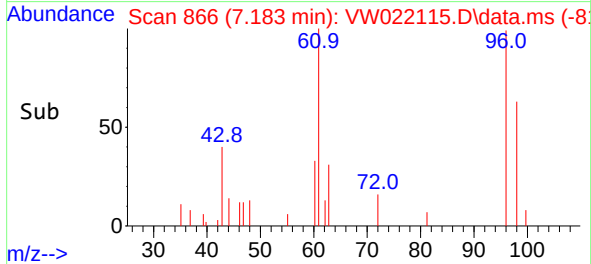
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



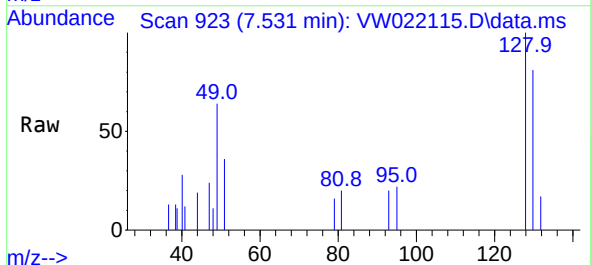
Tgt Ion: 43 Resp: 1072
Ion Ratio Lower Upper
43 100
72 13.2 17.0 51.0

Manual Integrations
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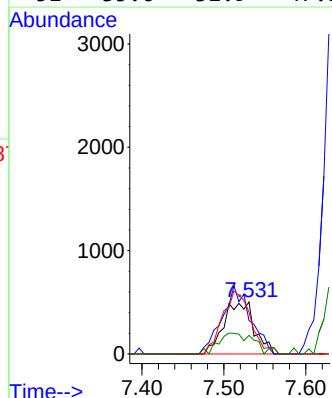
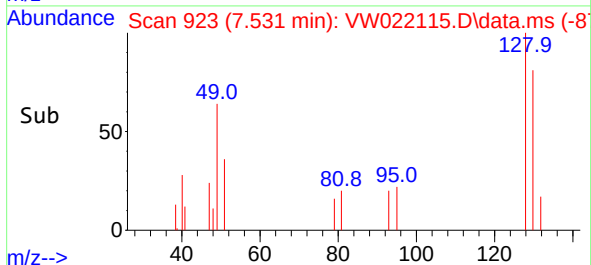
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

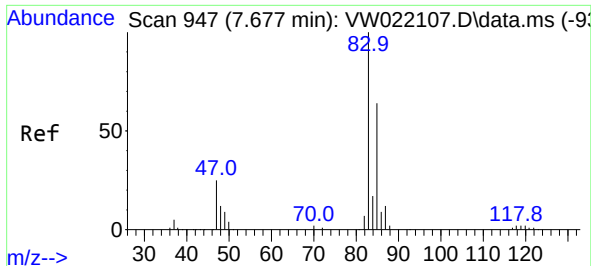


#23
Bromochloromethane
Concen: 1.316 ug/L m
RT: 7.531 min Scan# 923
Delta R.T. 0.018 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



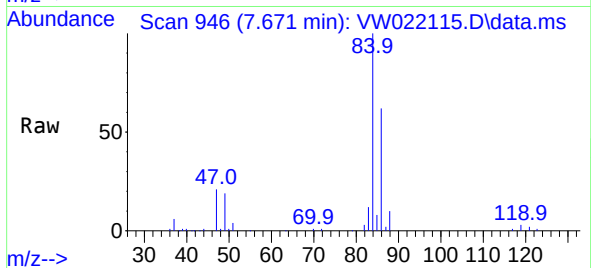
Tgt Ion:128 Resp: 1298
Ion Ratio Lower Upper
128 100
49 64.4 84.2 156.4#
130 80.7 84.8 157.4#
51 35.6 31.9 47.9





#25
Chloroform
Concen: 1.340 ug/L
RT: 7.671 min Scan# 947
Delta R.T. -0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

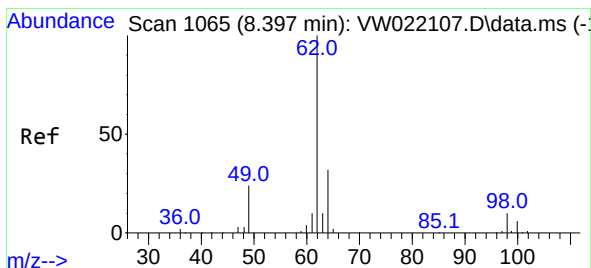
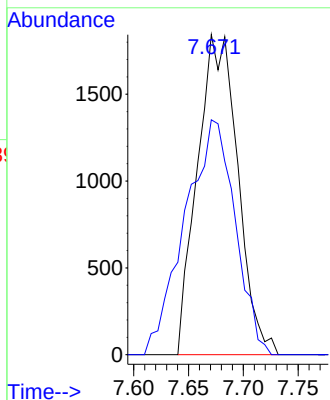
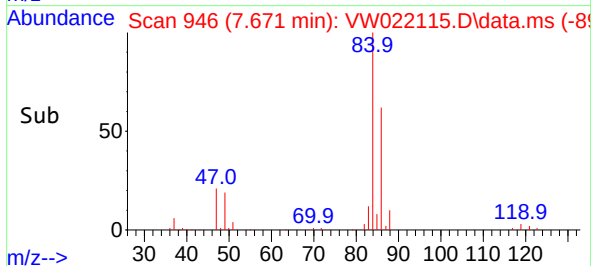
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



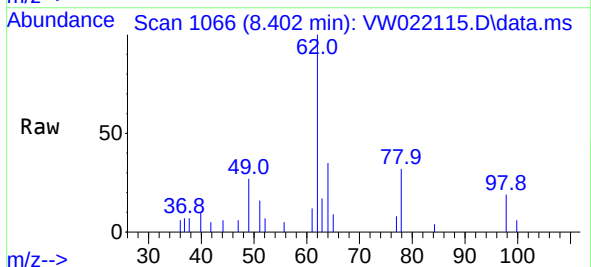
Tgt Ion: 83 Resp: 472
Ion Ratio Lower Upper
83 100
85 73.4 45.1 83.9

Manual Integrations
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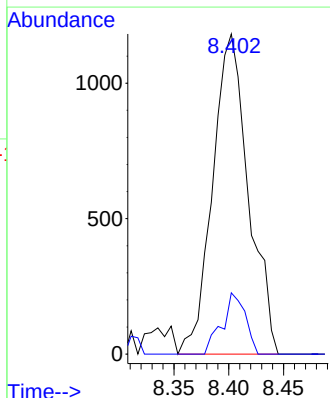
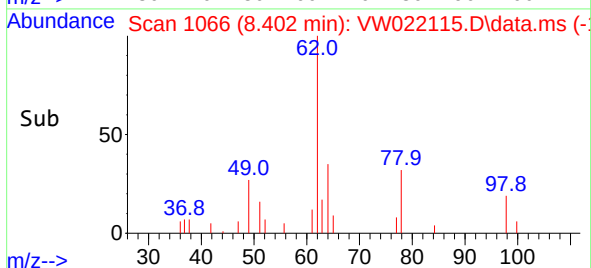
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

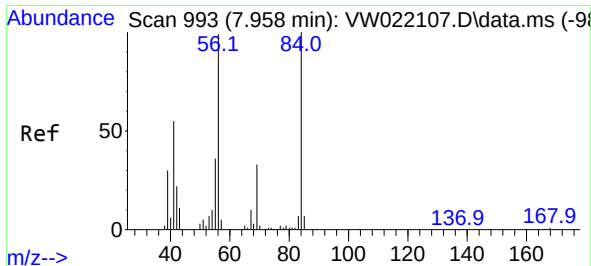


#27
1,2-Dichloroethane
Concen: 1.241 ug/L
RT: 8.402 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



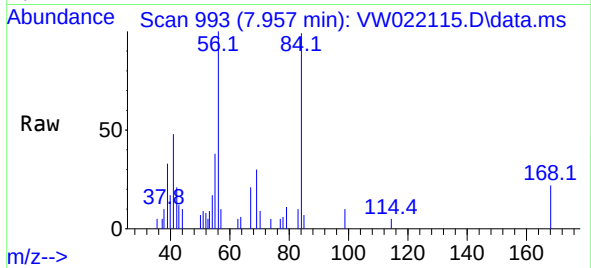
Tgt Ion: 62 Resp: 2692
Ion Ratio Lower Upper
62 100
98 19.1 7.9 11.9#





#29
Cyclohexane
Concen: 1.061 ug/L
RT: 7.957 min Scan# 993
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

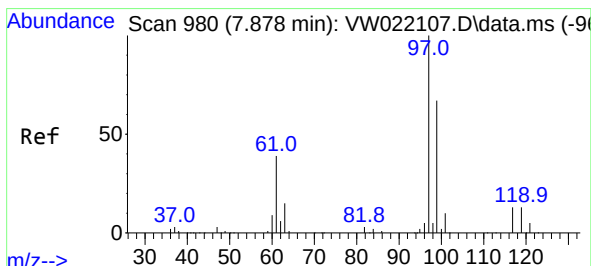
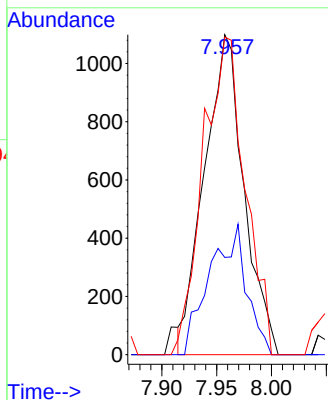
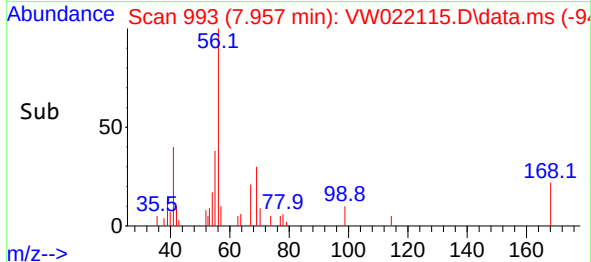
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-01



Tgt Ion: 56 Resp: 275
Ion Ratio Lower Upper
56 100
69 20.2 26.3 39.5
84 71.4 81.4 122.2

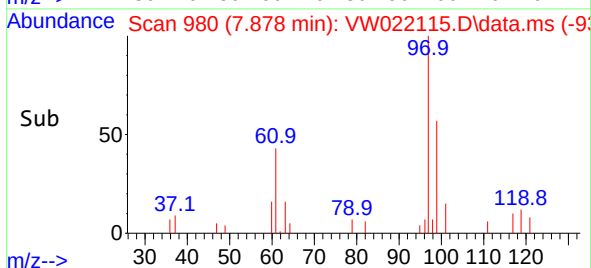
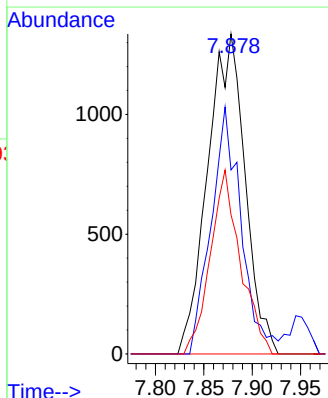
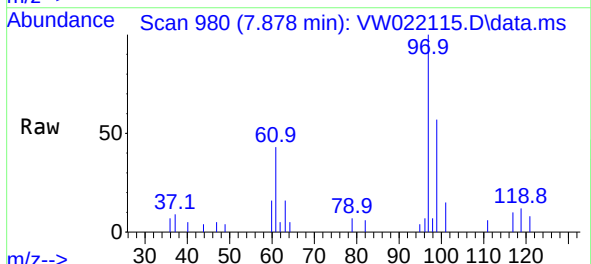
Manual Integrations
APPROVED

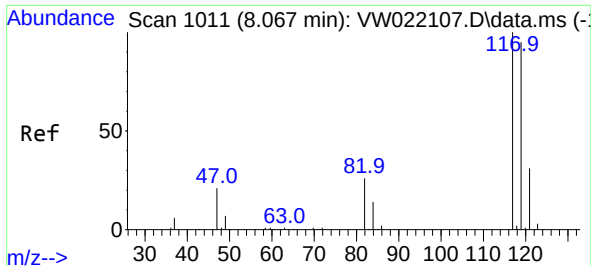
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#30
1,1,1-Trichloroethane
Concen: 1.149 ug/L
RT: 7.878 min Scan# 980
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

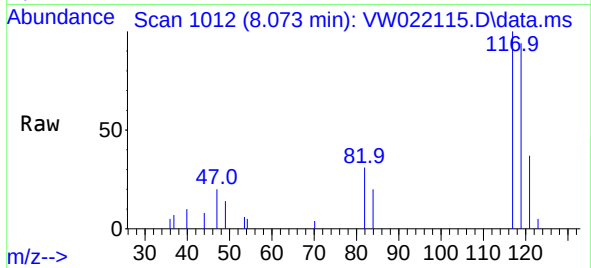
Tgt Ion: 97 Resp: 3600
Ion Ratio Lower Upper
97 100
99 62.2 52.6 78.8
61 46.3 33.0 49.6





#31
Carbon tetrachloride
Concen: 1.107 ug/L
RT: 8.073 min Scan# 1011
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

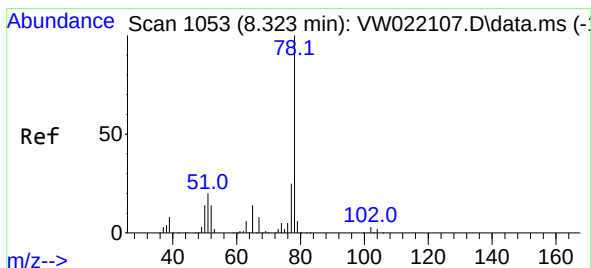
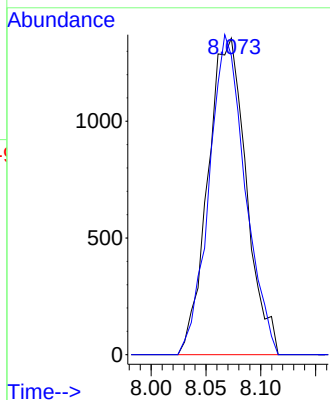
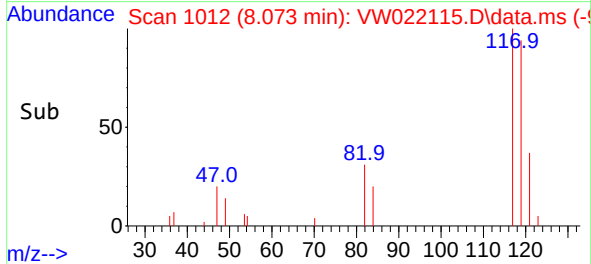
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



Tgt Ion:117 Resp: 3298
Ion Ratio Lower Upper
117 100
119 95.0 76.7 115.1

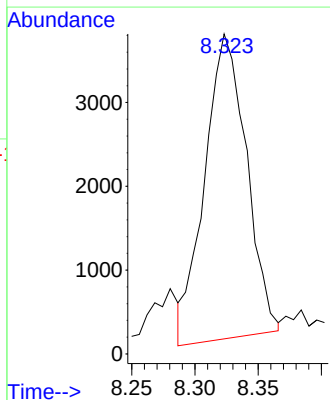
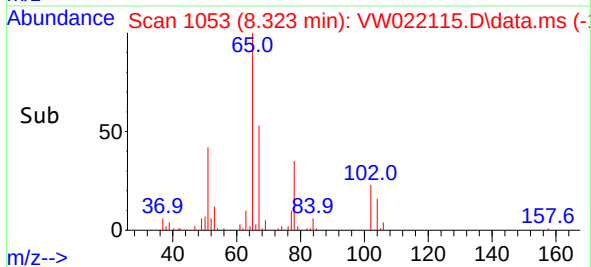
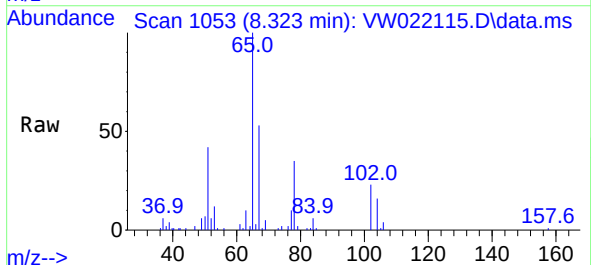
Manual Integrations
APPROVED

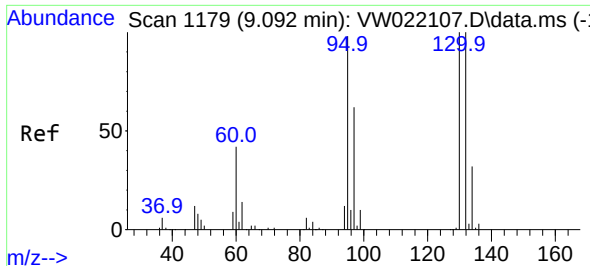
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#33
Benzene
Concen: 1.110 ug/L
RT: 8.323 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

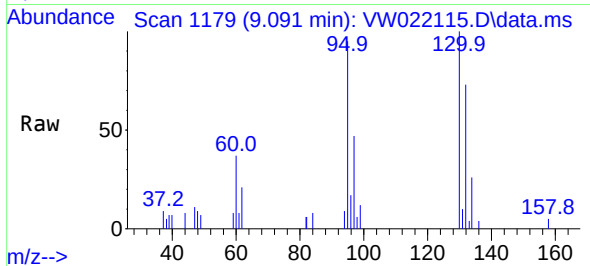
Tgt Ion: 78 Resp: 8358





#34
Trichloroethene
Concen: 1.212 ug/L
RT: 9.091 min Scan# 1179
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

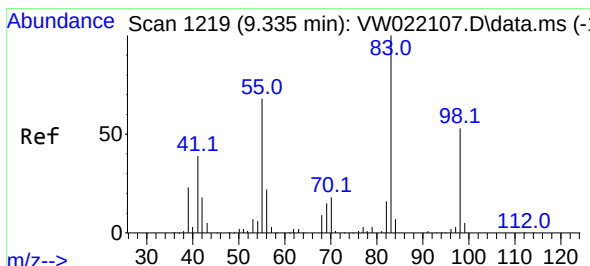
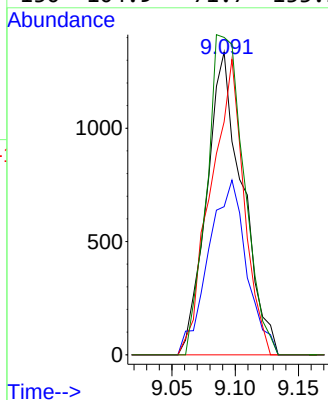
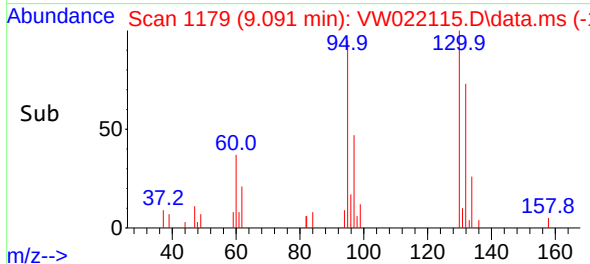
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-01



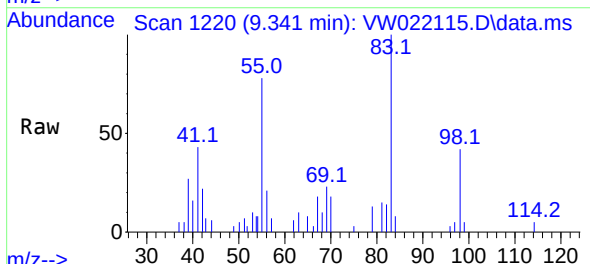
Tgt Ion: 95 Resp: 2614
Ion Ratio Lower Upper
95 100
97 49.0 44.4 82.4
132 76.9 71.7 133.1
130 104.9 71.7 133.1

Manual Integrations
APPROVED

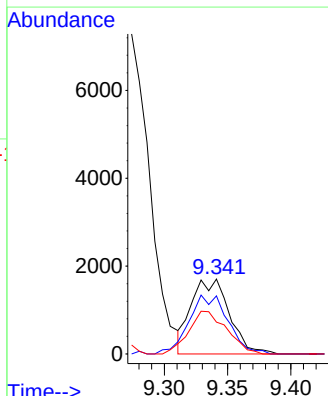
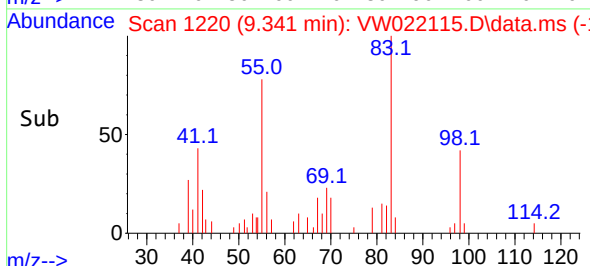
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

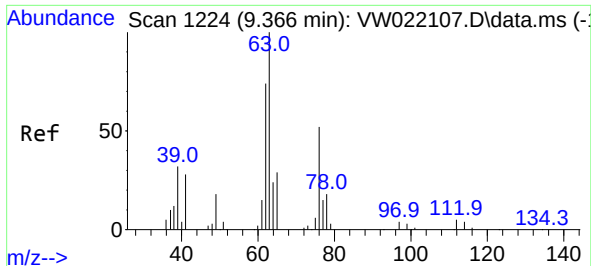


#35
Methylcyclohexane
Concen: 1.069 ug/L
RT: 9.341 min Scan# 1220
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



Tgt Ion: 83 Resp: 3567
Ion Ratio Lower Upper
83 100
55 80.8 53.8 80.8#
98 57.2 42.1 63.1





#37

1,2-Dichloropropane

Concen: 1.159 ug/L

RT: 9.372 min Scan# 112

Delta R.T. 0.006 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

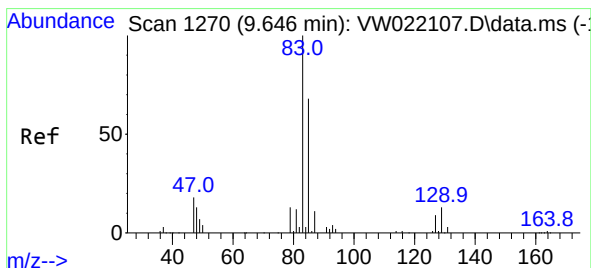
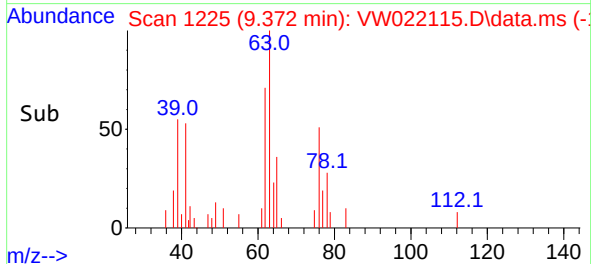
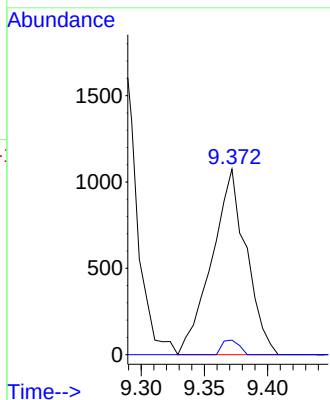
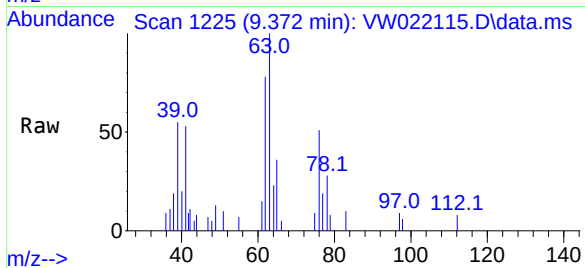
MDL-SOIL-QT1-2022-01

Tgt Ion: 63 Resp: 203
 Ion Ratio Lower Upper
 63 100
 112 3.8 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/28/2022



#38

Bromodichloromethane

Concen: 1.049 ug/L

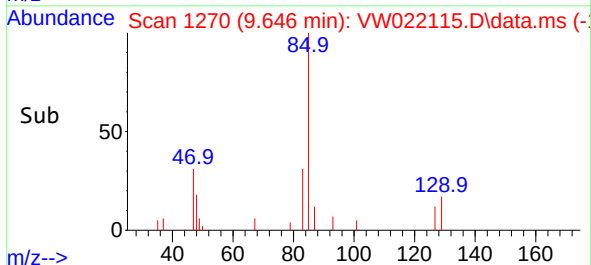
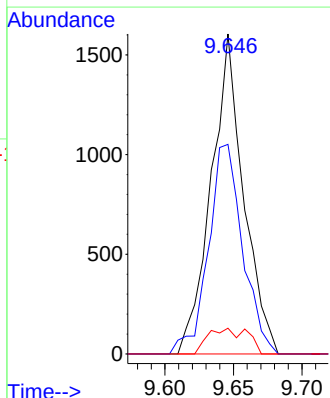
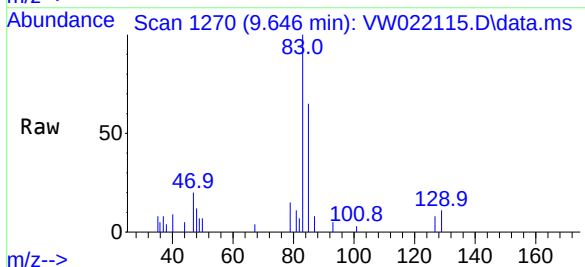
RT: 9.646 min Scan# 1270

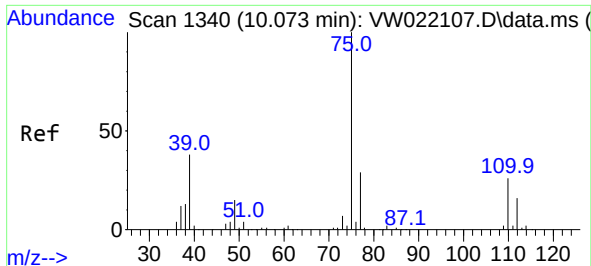
Delta R.T. -0.000 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

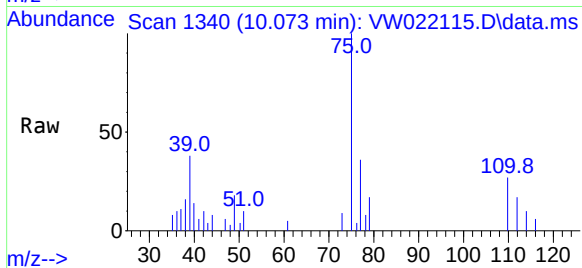
Tgt Ion: 83 Resp: 2644
 Ion Ratio Lower Upper
 83 100
 85 65.5 47.9 89.1
 127 8.0 7.5 11.3





#39
cis-1,3-Dichloropropene
Concen: 1.162 ug/L
RT: 10.073 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

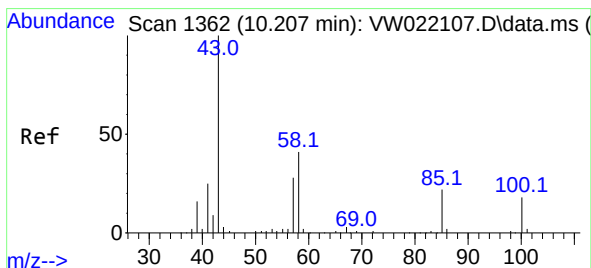
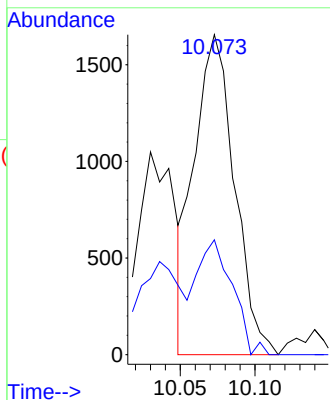
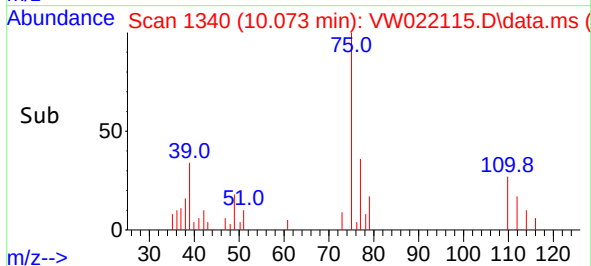
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



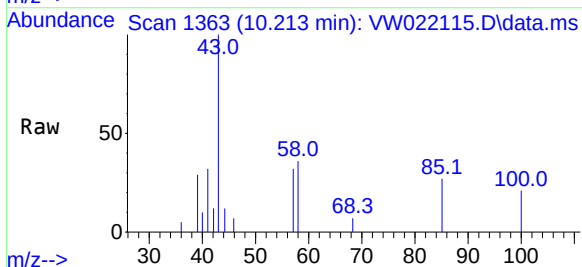
Tgt Ion: 75 Resp: 310
Ion Ratio Lower Upper
75 100
77 35.9 20.6 38.2

Manual Integrations
APPROVED

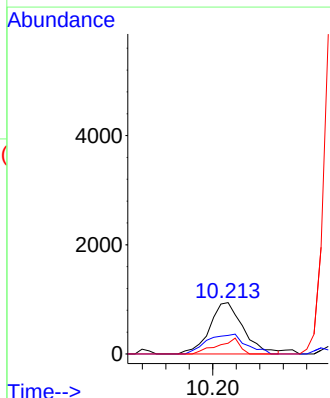
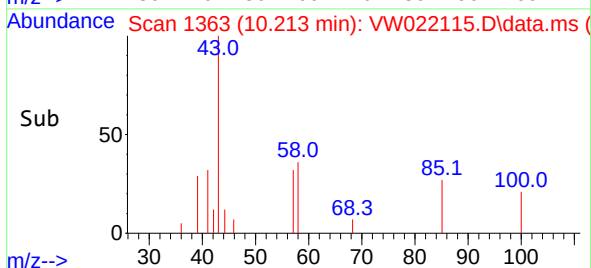
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

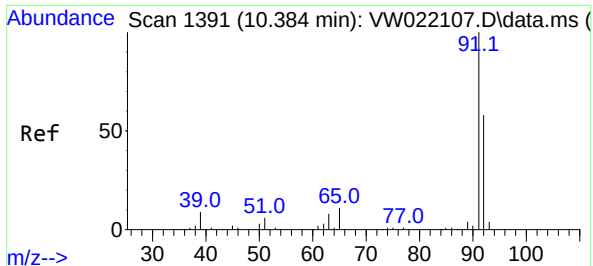


#40
4-Methyl-2-pentanone
Concen: 1.960 ug/L
RT: 10.213 min Scan# 1363
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



Tgt Ion: 43 Resp: 1860
Ion Ratio Lower Upper
43 100
58 44.9 33.2 49.8
100 20.2 16.1 24.1





#42

Toluene

Concen: 1.465 ug/L

RT: 10.384 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2022-01

Tgt Ion: 91 Resp: 1248

Ion Ratio Lower Upper

91 100

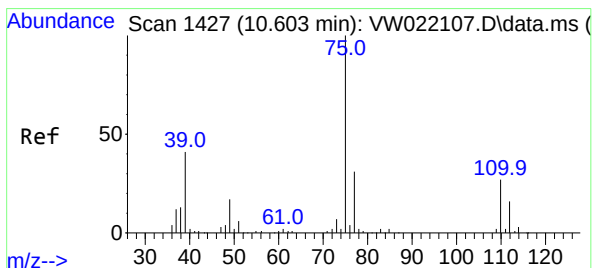
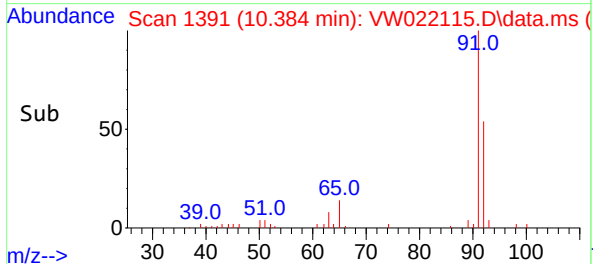
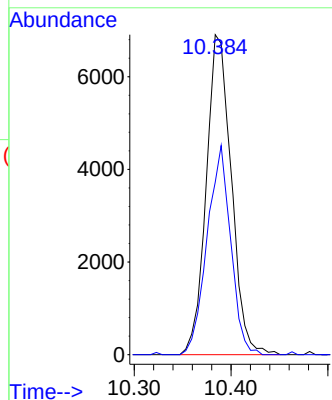
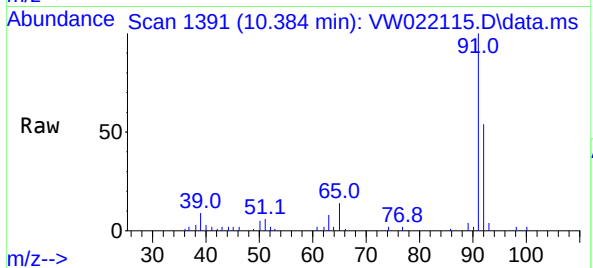
92 53.9 40.4 75.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022

Supervised By :Mahesh Dadoda 02/28/2022



#44

trans-1,3-Dichloropropene

Concen: 1.109 ug/L

RT: 10.603 min Scan# 1427

Delta R.T. -0.001 min

Lab File: VW022115.D

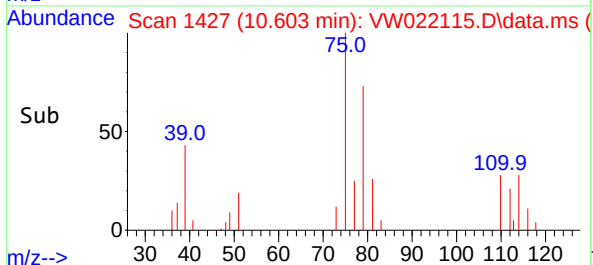
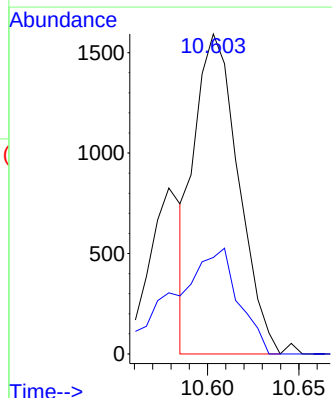
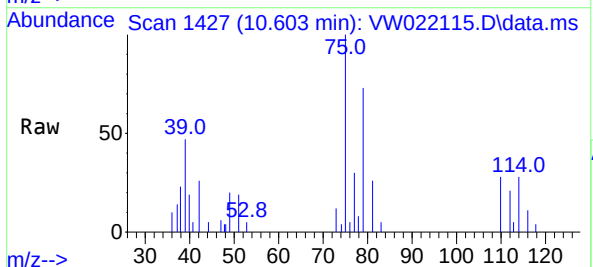
Acq: 23 Feb 2022 17:49

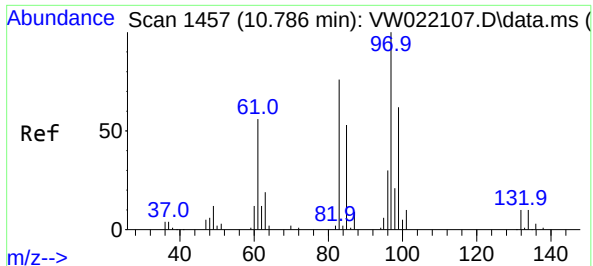
Tgt Ion: 75 Resp: 2662

Ion Ratio Lower Upper

75 100

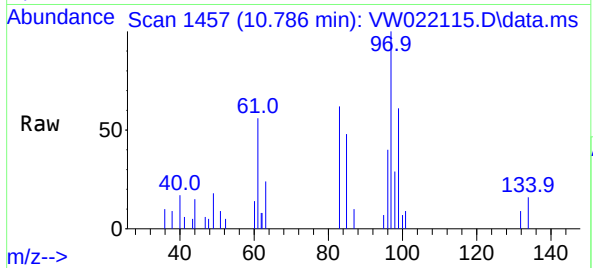
77 30.1 22.0 40.8





#45
1,1,2-Trichloroethane
Concen: 1.101 ug/L
RT: 10.786 min Scan# 1457
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

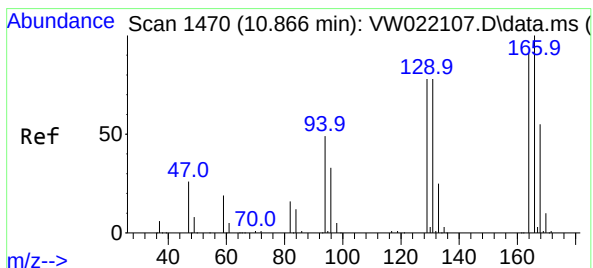
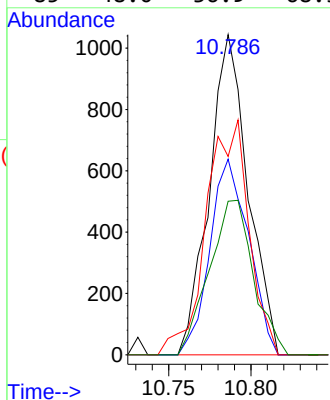
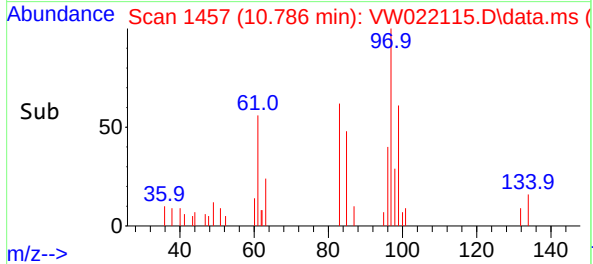
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



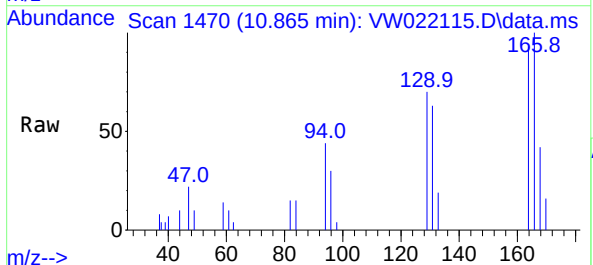
Tgt Ion:	97	Resp:	171
Ion	Ratio	Lower	Upper
97	100		
99	61.1	43.5	80.7
83	62.0	53.5	99.3
85	48.0	36.9	68.5

Manual Integrations
APPROVED

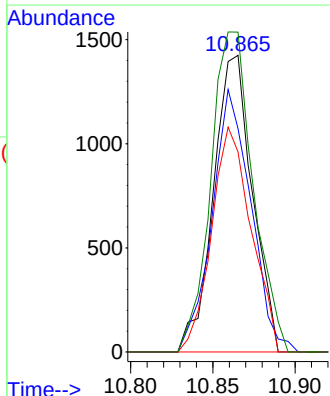
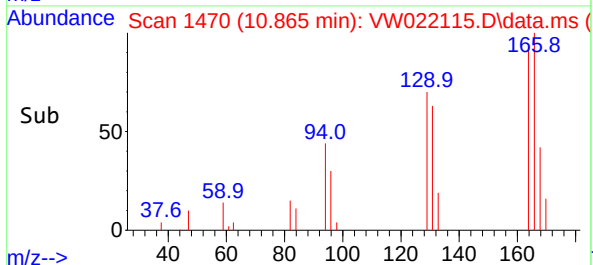
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

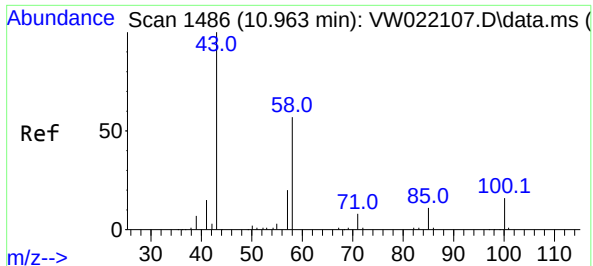


#46
Tetrachloroethene
Concen: 1.246 ug/L
RT: 10.865 min Scan# 1470
Delta R.T. 0.005 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



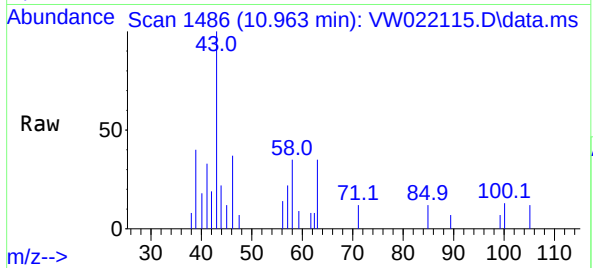
Tgt Ion:	164	Resp:	2354
Ion	Ratio	Lower	Upper
164	100		
129	75.2	60.3	111.9
131	67.4	59.9	111.3
166	107.8	77.0	143.0





#48
2-Hexanone
Concen: 2.044 ug/L
RT: 10.963 min Scan# 1486
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

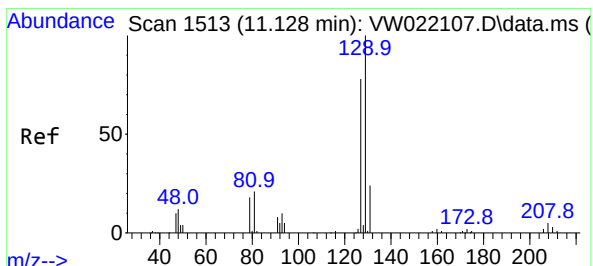
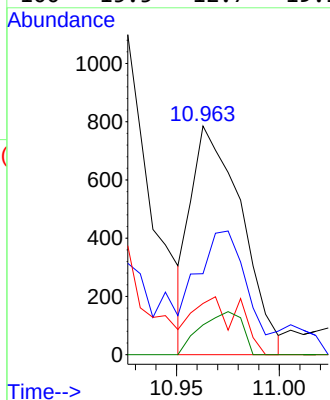
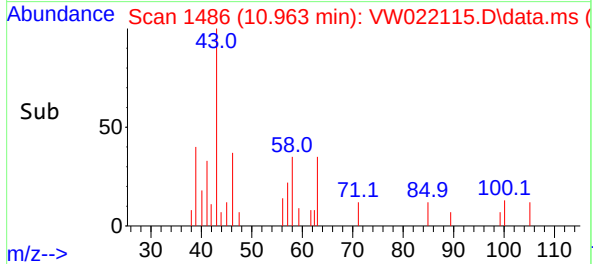
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-01



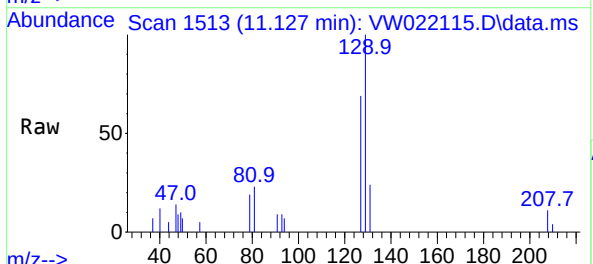
Tgt Ion: 43 Resp: 1340
Ion Ratio Lower Upper
43 100
58 52.8 44.6 66.8
57 8.6 15.8 23.8
100 15.5 12.7 19.1

Manual Integrations
APPROVED

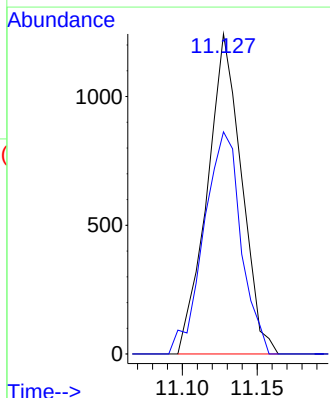
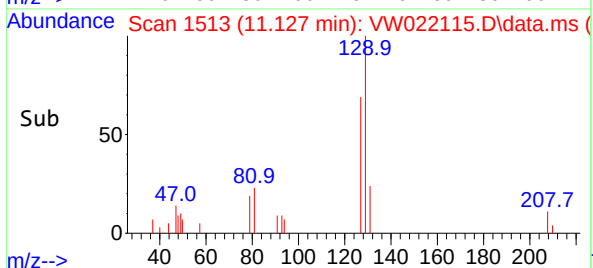
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

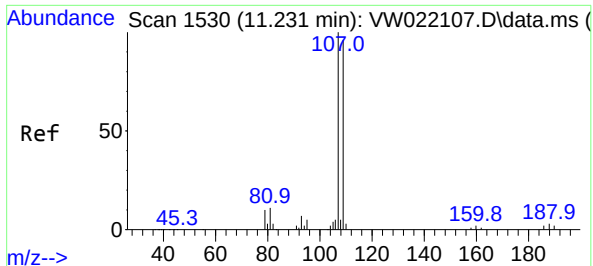


#49
Dibromochloromethane
Concen: 1.047 ug/L
RT: 11.127 min Scan# 1513
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



Tgt Ion:129 Resp: 1981
Ion Ratio Lower Upper
129 100
127 69.4 54.5 101.1





#50

1,2-Dibromoethane

Concen: 1.123 ug/L

RT: 11.237 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2022-01

Tgt Ion:107 Resp: 1688

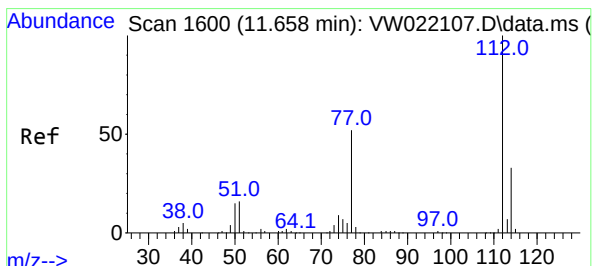
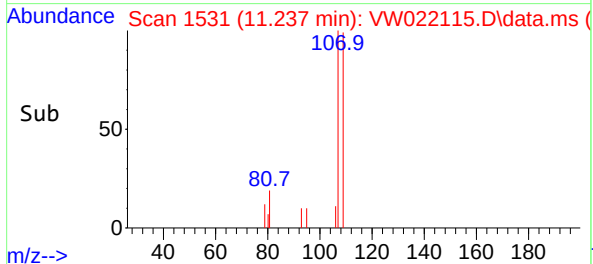
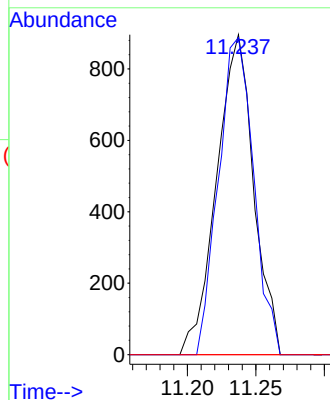
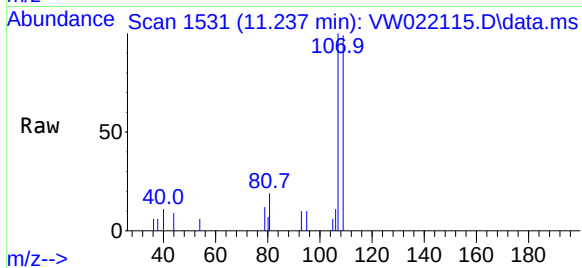
Ion	Ratio	Lower	Upper
107	100		
109	99.1	66.8	124.2
188	0.0	2.6	4.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022

Supervised By :Mahesh Dadoda 02/28/2022



#51

Chlorobenzene

Concen: 1.148 ug/L

RT: 11.658 min Scan# 1600

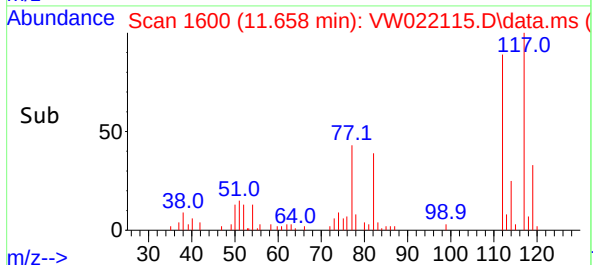
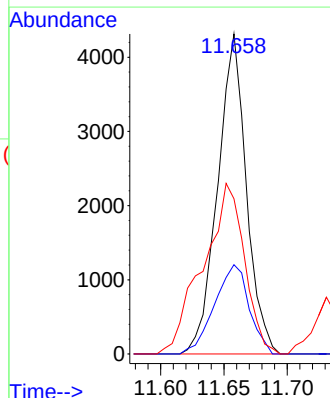
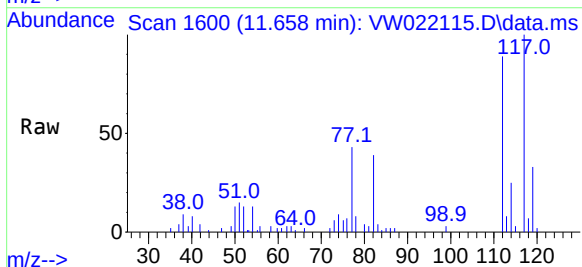
Delta R.T. -0.000 min

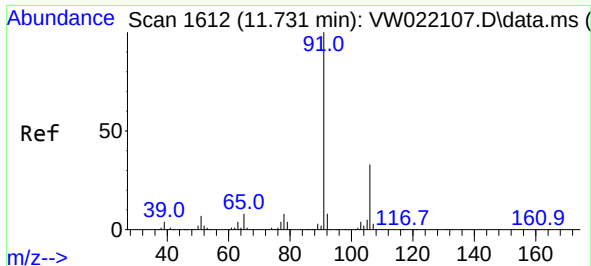
Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

Tgt Ion:112 Resp: 6812

Ion	Ratio	Lower	Upper
112	100		
114	27.9	23.0	42.8
77	48.5	41.8	62.6





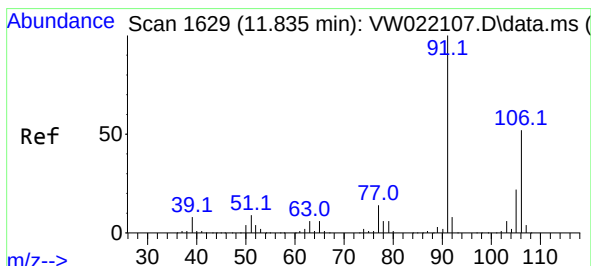
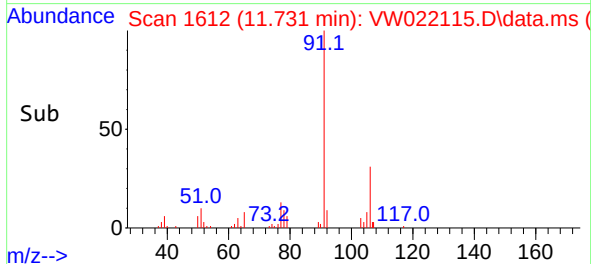
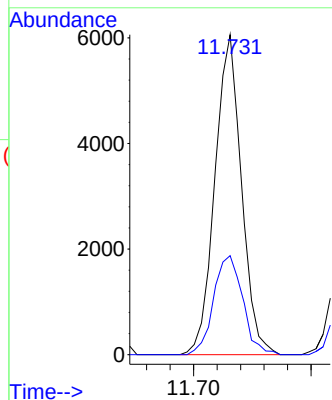
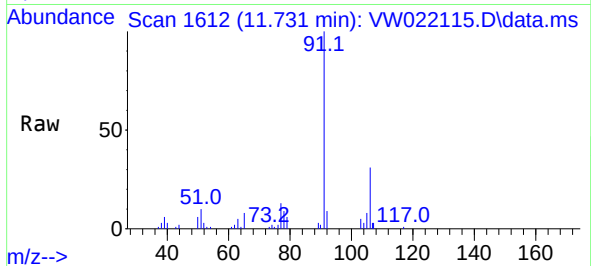
#52
Ethylbenzene
Concen: 1.009 ug/L
RT: 11.731 min Scan# 1612
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01

Tgt Ion: 91 Resp: 9518
Ion Ratio Lower Upper
91 100
106 31.0 22.8 42.4

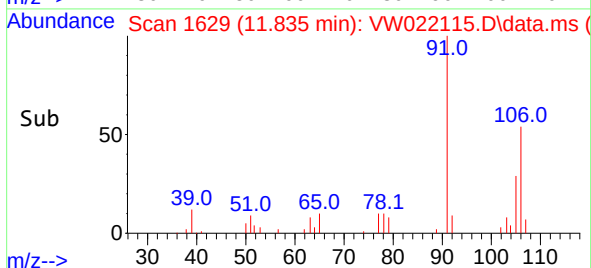
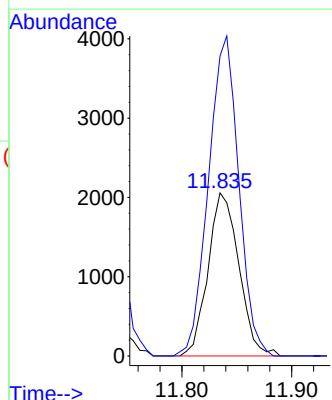
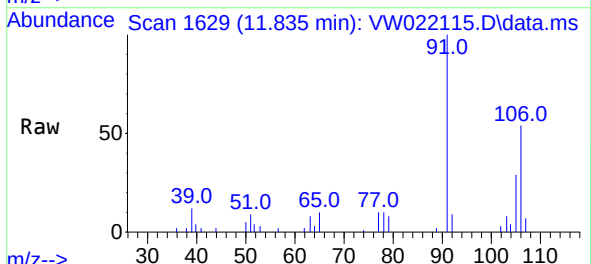
Manual Integrations
APPROVED

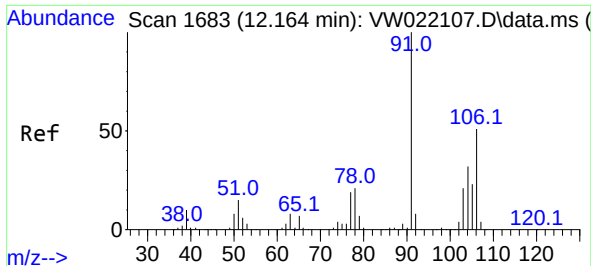
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#53
m,p-Xylene
Concen: 1.038 ug/L
RT: 11.835 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Tgt Ion:106 Resp: 4028
Ion Ratio Lower Upper
106 100
91 184.0 135.0 250.8





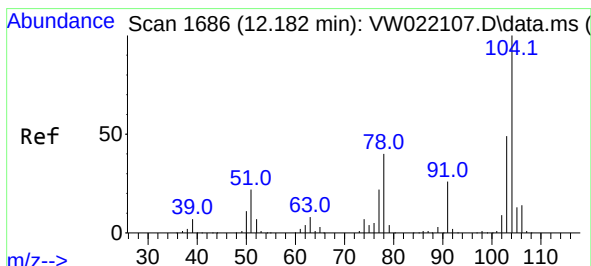
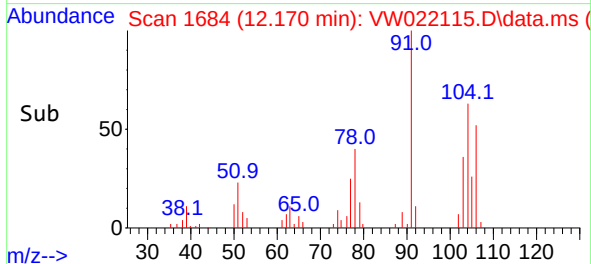
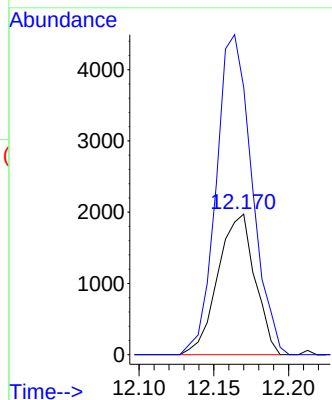
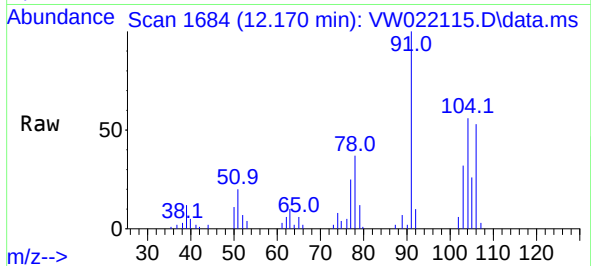
#54
o-Xylene
Concen: 0.928 ug/L
RT: 12.170 min Scan# 1684
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01

Tgt Ion:106 Resp: 3390
Ion Ratio Lower Upper
106 100
91 190.2 136.9 254.3

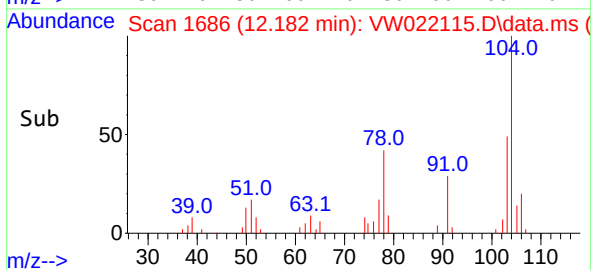
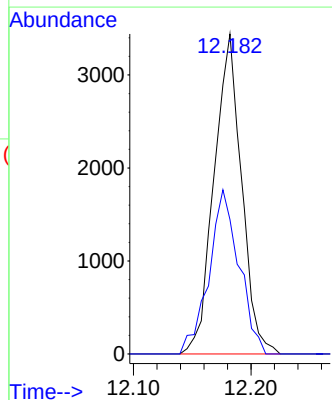
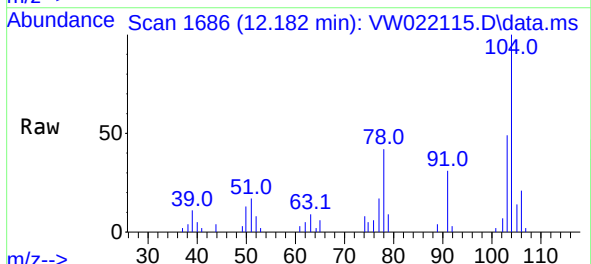
Manual Integrations
APPROVED

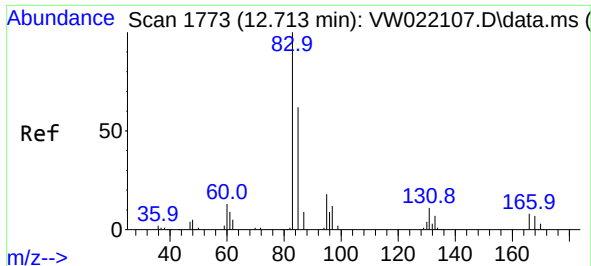
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#55
Styrene
Concen: 0.914 ug/L
RT: 12.182 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Tgt Ion:104 Resp: 5597
Ion Ratio Lower Upper
104 100
78 42.0 27.8 51.6





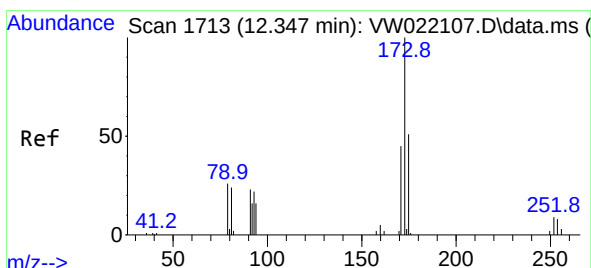
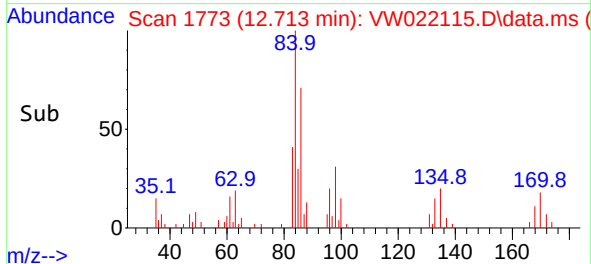
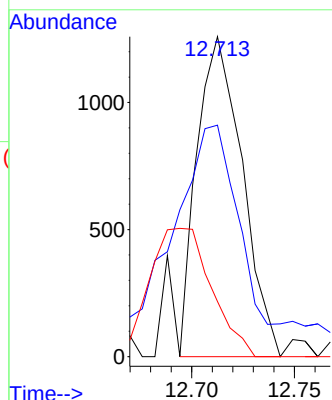
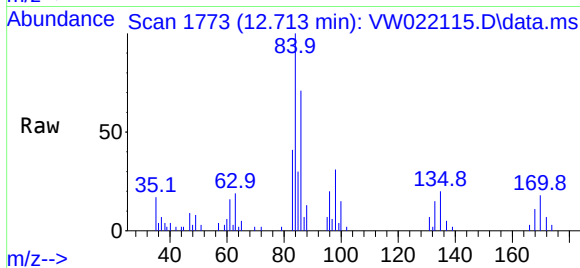
#57
1,1,2,2-Tetrachloroethane
Concen: 1.072 ug/L
RT: 12.713 min Scan# 1773
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-01

Tgt Ion:	83	Resp:	193
Ion Ratio	Lower	Upper	
83	100		
85	72.4	44.2	82.0
131	17.2	9.4	14.0

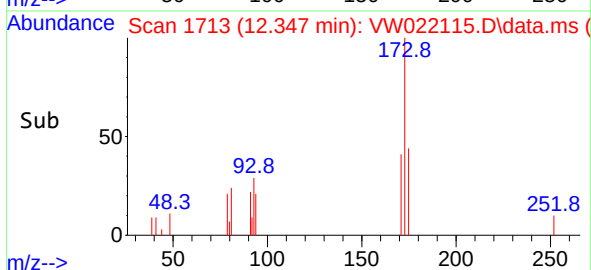
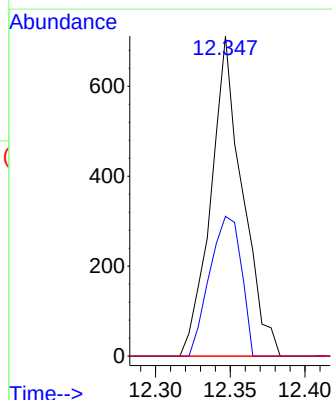
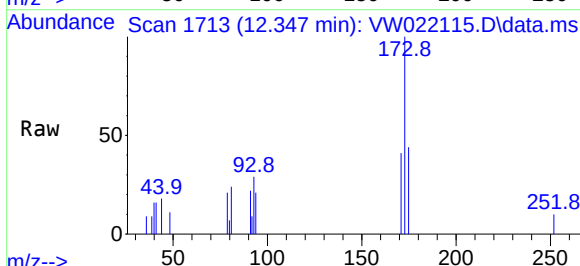
Manual Integrations
APPROVED

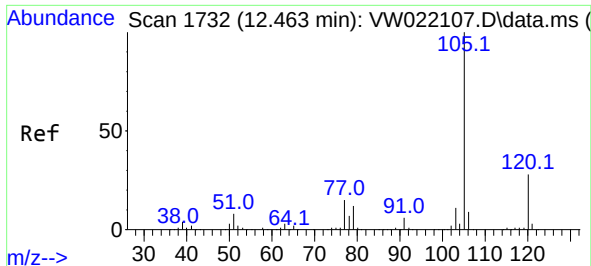
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#59
Bromoform
Concen: 1.022 ug/L
RT: 12.347 min Scan# 1713
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Tgt Ion:	173	Resp:	1048
Ion Ratio	Lower	Upper	
173	100		
175	43.7	38.2	57.4
254	0.0	5.0	7.6





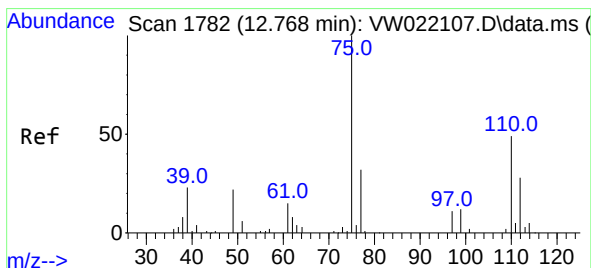
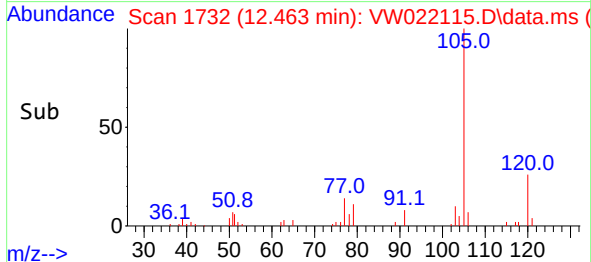
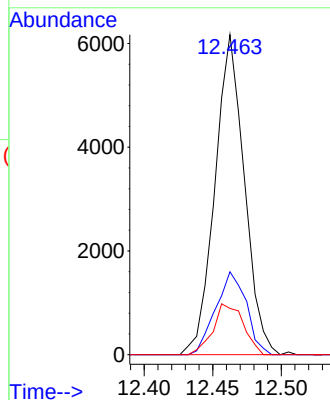
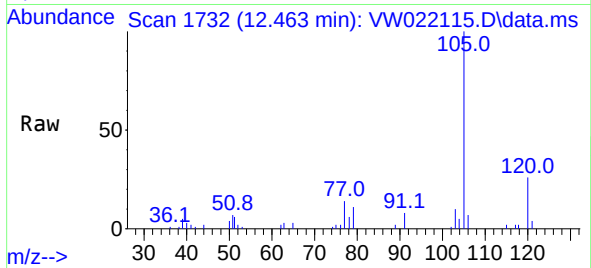
#60
Isopropylbenzene
Concen: 0.990 ug/L
RT: 12.463 min Scan# 1732
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2022-01

Tgt Ion:	105	Resp:	921
Ion Ratio	Lower	Upper	
105	100		
120	27.0	22.1	33.1
77	16.4	12.0	18.0

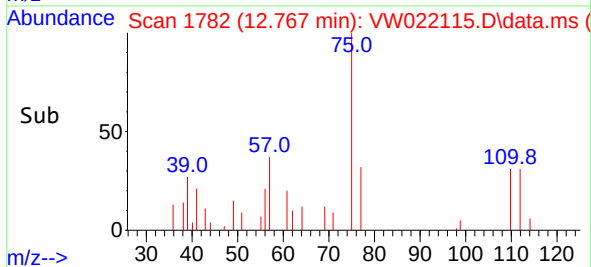
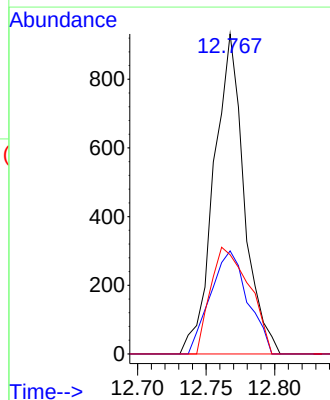
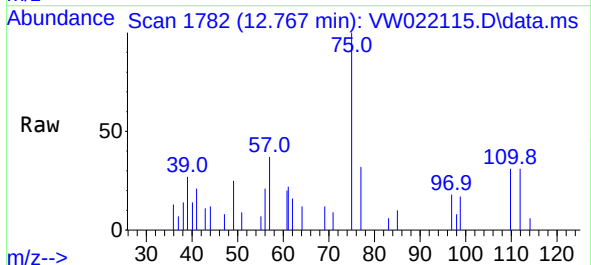
Manual Integrations
APPROVED

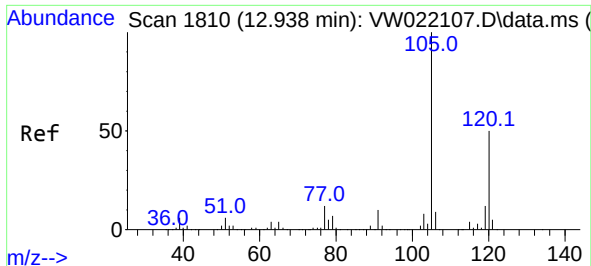
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#61
1,2,3-Trichloropropane
Concen: 1.169 ug/L
RT: 12.767 min Scan# 1782
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

Tgt Ion:	75	Resp:	1431
Ion Ratio	Lower	Upper	
75	100		
77	39.8	27.1	40.7
110	42.8	36.7	55.1





#62

1,3,5-Trimethylbenzene

Concen: 0.999 ug/L

RT: 12.944 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

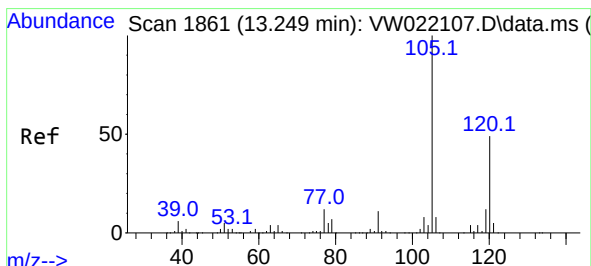
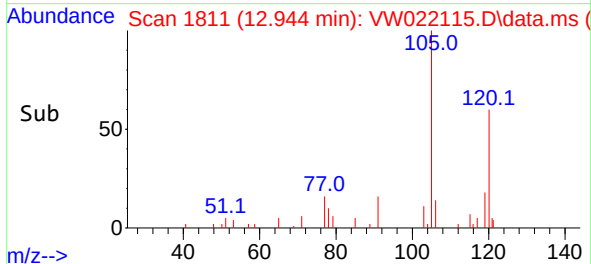
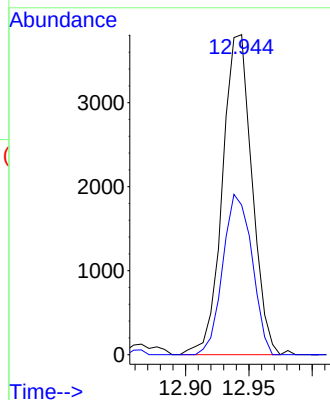
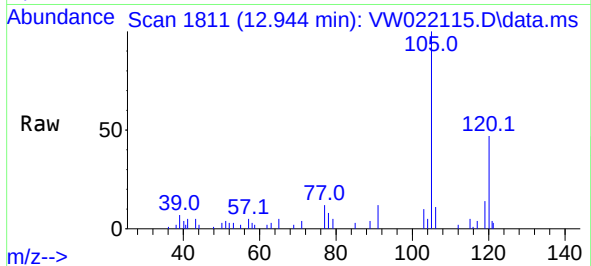
MDL-SOIL-QT1-2022-01

Tgt Ion:105 Resp: 618
 Ion Ratio Lower Upper
 105 100
 120 49.5 41.5 62.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2022
 Supervised By :Mahesh Dadoda 02/28/2022



#63

1,2,4-Trimethylbenzene

Concen: 0.994 ug/L

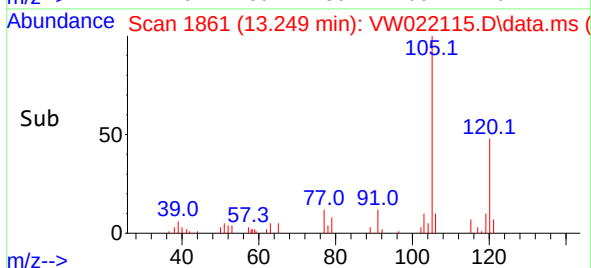
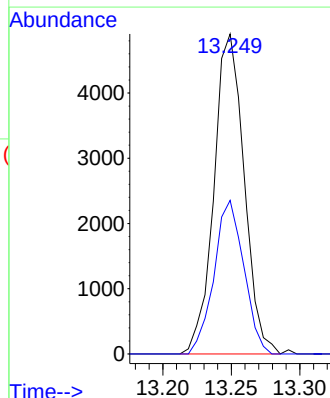
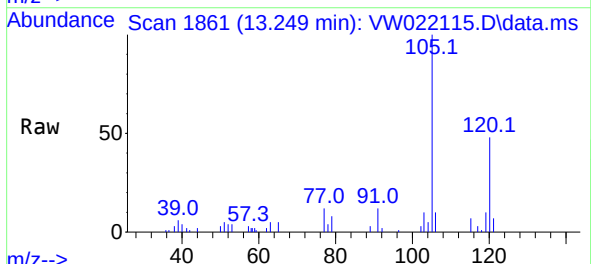
RT: 13.249 min Scan# 1861

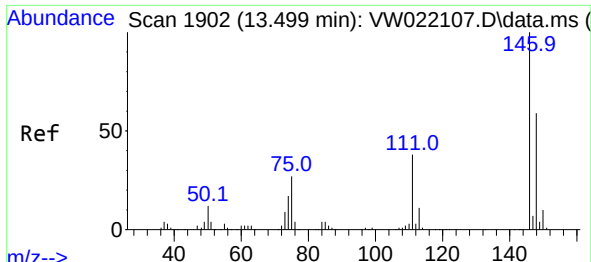
Delta R.T. -0.000 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

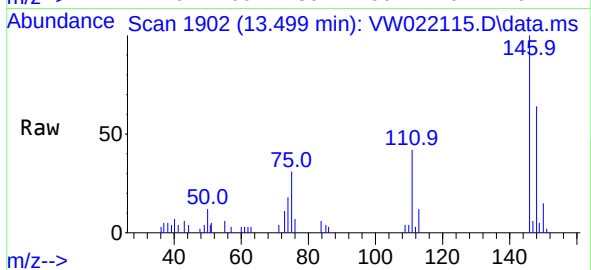
Tgt Ion:105 Resp: 7519
 Ion Ratio Lower Upper
 105 100
 120 47.3 39.2 58.8





#64
1,3-Dichlorobenzene
Concen: 1.093 ug/L
RT: 13.499 min Scan# 1902
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

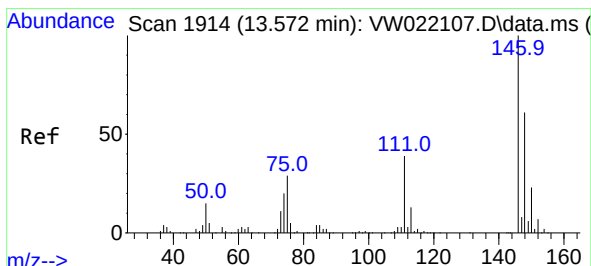
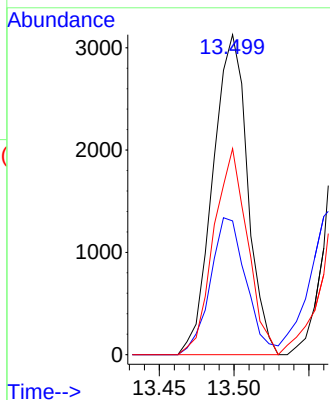
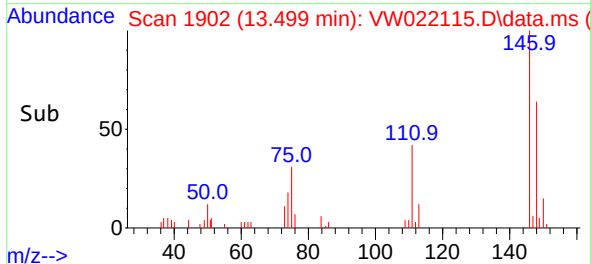
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



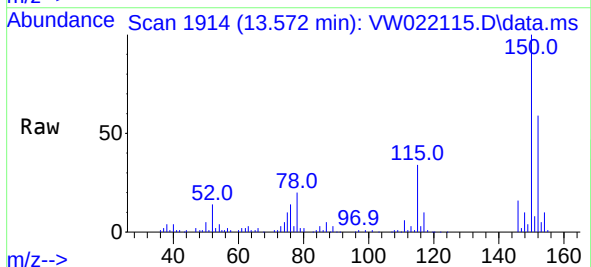
Tgt Ion:146 Resp: 504
Ion Ratio Lower Upper
146 100
111 41.8 26.9 49.9
148 64.4 41.6 77.2

Manual Integrations
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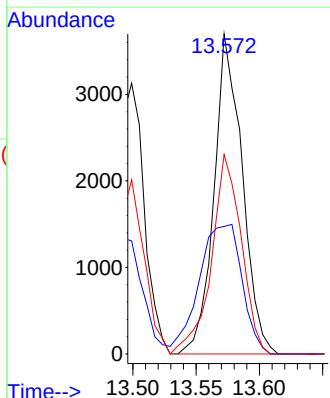
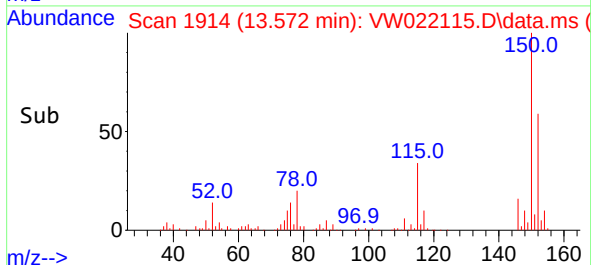
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

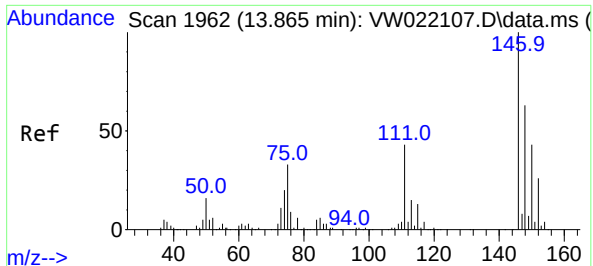


#65
1,4-Dichlorobenzene
Concen: 1.238 ug/L
RT: 13.572 min Scan# 1914
Delta R.T. -0.001 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



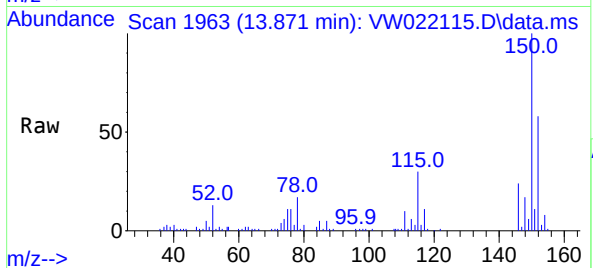
Tgt Ion:146 Resp: 5730
Ion Ratio Lower Upper
146 100
111 39.9 27.5 51.1
148 62.3 42.9 79.7





#67
1,2-Dichlorobenzene
Concen: 1.191 ug/L
RT: 13.871 min Scan# 1963
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

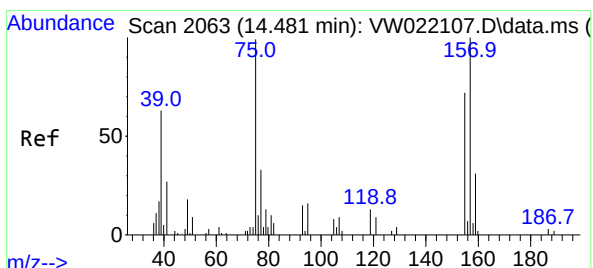
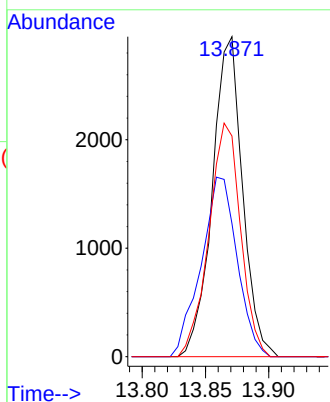
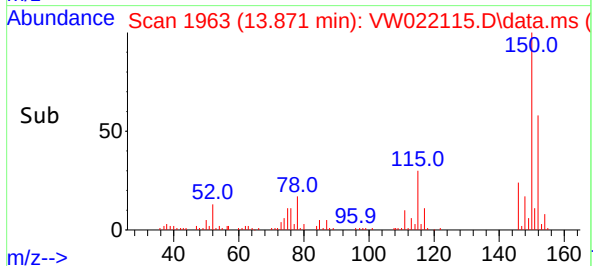
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



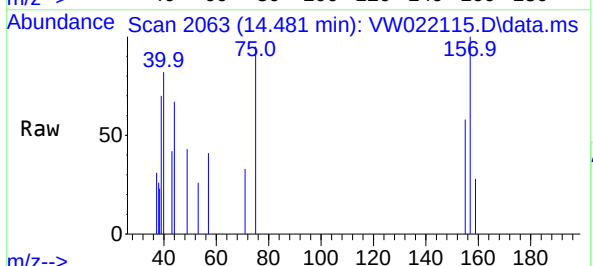
Tgt Ion:146 Resp: 4890
Ion Ratio Lower Upper
146 100
111 41.6 34.8 52.2
148 68.9 50.4 75.6

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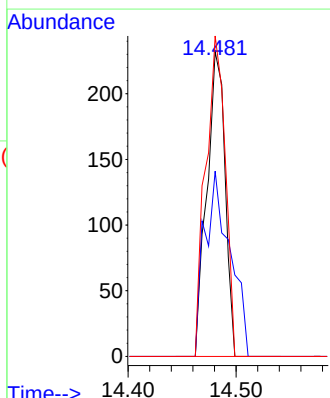
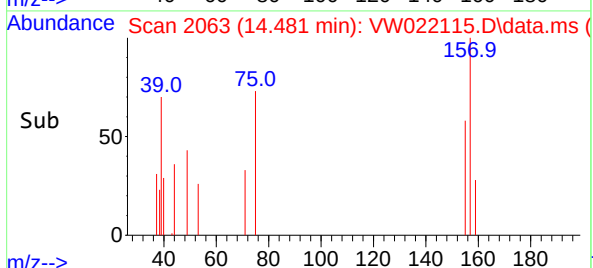
Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022

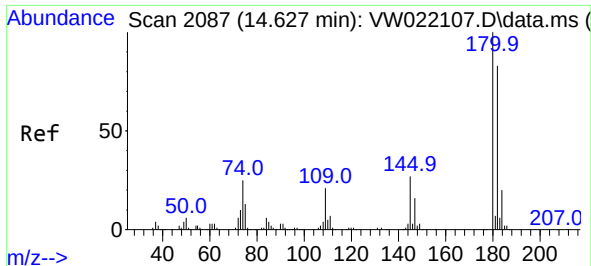


#68
1,2-Dibromo-3-chloropropane
Concen: 1.051 ug/L m
RT: 14.481 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



Tgt Ion: 75 Resp: 272
Ion Ratio Lower Upper
75 100
155 60.8 58.2 87.2
157 105.2 80.5 120.7





#69

1,3,5-Trichlorobenzene

Concen: 1.081 ug/L m

RT: 14.627 min Scan# 2087

Delta R.T. -0.000 min

Lab File: VW022115.D

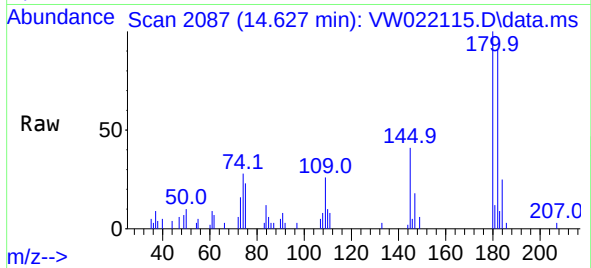
Acq: 23 Feb 2022 17:49

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2022-01



Tgt Ion:180 Resp: 358

Ion Ratio Lower Upper

180 100

182 64.2 69.4 104.0

184 19.8 21.8 32.8

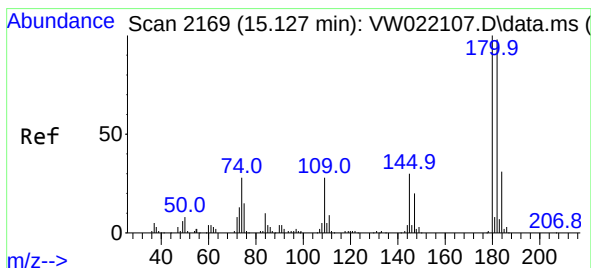
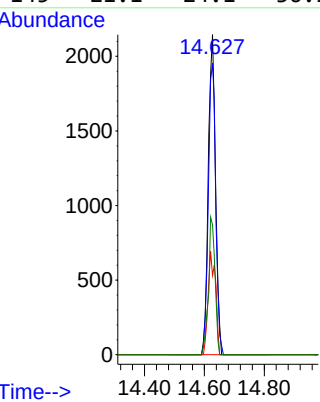
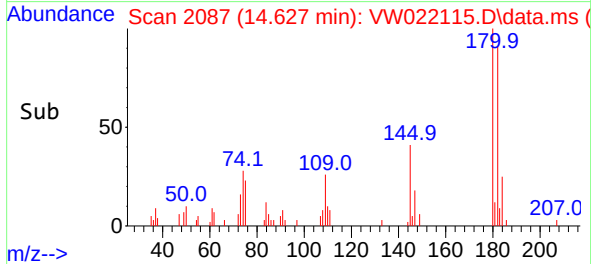
145 21.1 24.1 36.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/24/2022

Supervised By :Mahesh Dadoda 02/28/2022



#70

1,2,4-trichlorobenzene

Concen: 1.034 ug/L

RT: 15.127 min Scan# 2169

Delta R.T. -0.000 min

Lab File: VW022115.D

Acq: 23 Feb 2022 17:49

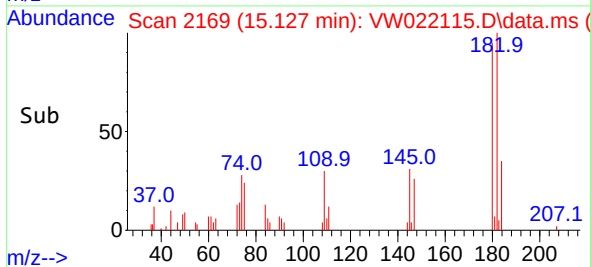
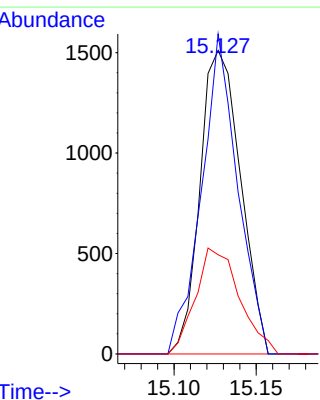
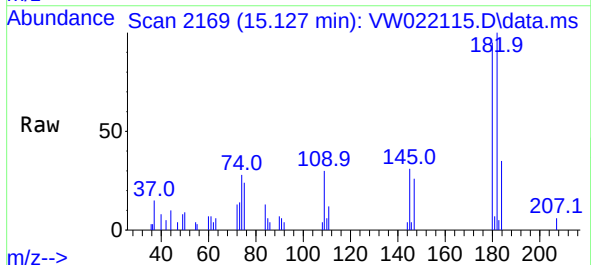
Tgt Ion:180 Resp: 2592

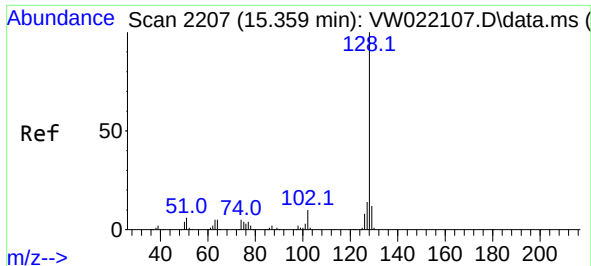
Ion Ratio Lower Upper

180 100

182 93.7 77.8 116.6

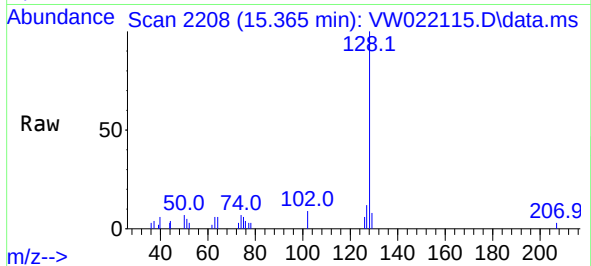
145 37.8 25.8 38.6





#71
Naphthalene
Concen: 0.887 ug/L
RT: 15.365 min Scan# 21
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49

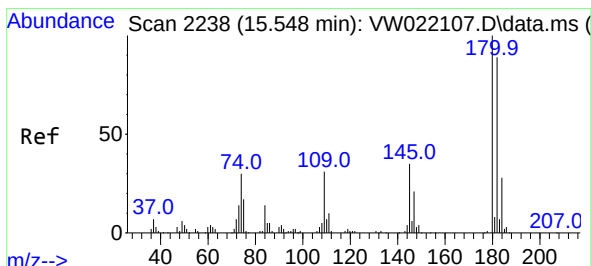
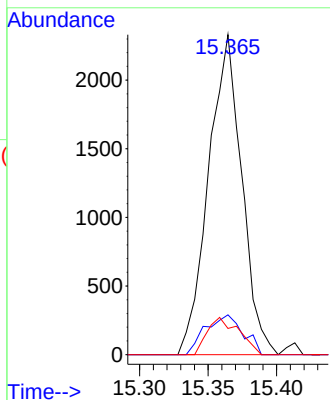
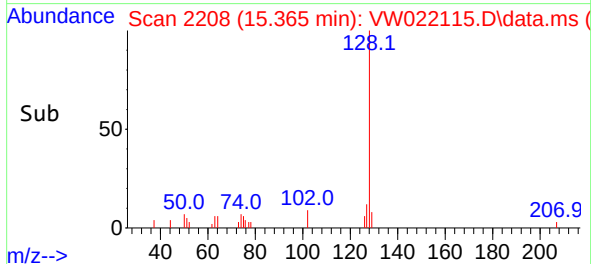
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2022-01



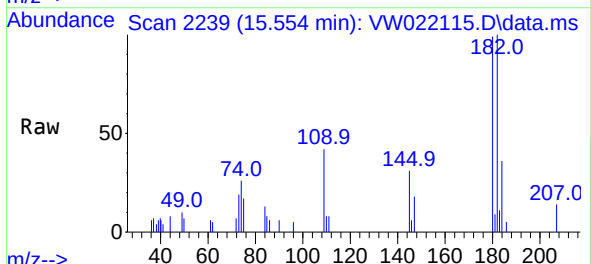
Tgt Ion:128 Resp: 3928
Ion Ratio Lower Upper
128 100
127 14.1 11.0 16.6
129 11.2 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/24/2022
Supervised By :Mahesh Dadoda 02/28/2022



#72
1,2,3-Trichlorobenzene
Concen: 1.083 ug/L
RT: 15.554 min Scan# 2239
Delta R.T. 0.006 min
Lab File: VW022115.D
Acq: 23 Feb 2022 17:49



Tgt Ion:180 Resp: 2348
Ion Ratio Lower Upper
180 100
182 97.9 79.0 118.4
145 32.2 28.0 42.0

