

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120623\
 Data File : VW027568.D
 Acq On : 06 Dec 2023 15:01
 Operator : SY/MD
 Sample : 04696-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-07

Quant Time: Dec 07 07:16:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Dec 07 06:54:07 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin
 Yesilyurt
 12/11/2023
 Supervised By :Mahesh
 Dadoda
 12/11/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	184657	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	138545	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	53555	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	101216	27.238	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 108.960%			
7) Chloroethane-d5	2.899	69	67052	24.891	ug/L	0.00
Spiked Amount 25.000	Range 30 - 150		Recovery = 99.560%			
11) 1,1-Dichloroethene-d2	4.027	65	42396	26.963	ug/L	0.00
Spiked Amount 25.000	Range 45 - 110		Recovery = 107.840%			
21) 2-Butanone-d5	7.087	46	18665m	19.169	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 38.340%			
24) Chloroform-d	7.654	84	107749	19.549	ug/L	0.00
Spiked Amount 25.000	Range 40 - 150		Recovery = 78.200%			
26) 1,2-Dichloroethane-d4	8.307	65	42729m	15.160	ug/L	0.00
Spiked Amount 25.000	Range 70 - 130		Recovery = 60.640%#			
32) Benzene-d6	8.276	84	250366	25.658	ug/L	0.00
Spiked Amount 25.000	Range 20 - 135		Recovery = 102.640%			
36) 1,2-Dichloropropane-d6	9.276	67	61423	21.352	ug/L	0.00
Spiked Amount 25.000	Range 70 - 120		Recovery = 85.400%			
41) Toluene-d8	10.325	98	216816	25.395	ug/L	0.00
Spiked Amount 25.000	Range 30 - 130		Recovery = 101.600%			
43) trans-1,3-Dichloroprop...	10.581	79	16909	15.200	ug/L	0.00
Spiked Amount 25.000	Range 30 - 135		Recovery = 60.800%			
47) 2-Hexanone-d5	10.922	63	9875	18.424	ug/L	0.00
Spiked Amount 50.000	Range 20 - 135		Recovery = 36.840%			
56) 1,1,2,2-Tetrachloroeth...	12.690	84	31430	13.283	ug/L	0.00
Spiked Amount 25.000	Range 45 - 120		Recovery = 53.120%			
66) 1,2-Dichlorobenzene-d4	13.855	152	43921	23.396	ug/L	0.00
Spiked Amount 25.000	Range 75 - 120		Recovery = 93.600%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.015	85	4281m	1.731	ug/L	
3) Chloromethane	2.223	50	4499	1.486	ug/L	94
5) Vinyl chloride	2.381	62	5746	1.627	ug/L #	82
6) Bromomethane	2.796	94	2393	1.291	ug/L	93
8) Chloroethane	2.936	64	2854	1.415	ug/L	99
9) Trichlorofluoromethane	3.277	101	5159	1.525	ug/L	91
10) 1,1,2-Trichloro-1,2,2-...	4.088	101	6003m	2.081	ug/L	
12) 1,1-Dichloroethene	4.045	96	4619m	1.754	ug/L	
13) Acetone	4.125	43	4113m	4.382	ug/L	
14) Carbon disulfide	4.399	76	11360	1.427	ug/L #	94
15) Methyl Acetate	4.716	43	1358m	0.828	ug/L	
17) trans-1,2-Dichloroethene	5.435	96	3497m	1.288	ug/L	
18) Methyl tert-butyl Ether	5.441	73	3247m	0.741	ug/L	
19) 1,1-Dichloroethane	6.228	63	5786	1.048	ug/L #	85
20) cis-1,2-Dichloroethene	7.179	96	3112	1.067	ug/L	79
22) 2-Butanone	7.148	43	3672m	3.032	ug/L	
23) Bromochloromethane	7.514	128	997m	0.869	ug/L	
25) Chloroform	7.673	83	5243m	1.045	ug/L	
27) 1,2-Dichloroethane	8.404	62	2654m	0.819	ug/L	

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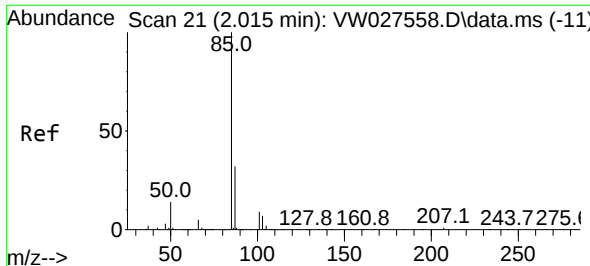
Quant Time: Dec 07 07:16:22 2023
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Manual Integrations APPROVED

Reviewed By :Semsettin
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.965	56	7790	1.710	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	5844	1.512	ug/L	98
31) Carbon tetrachloride	8.075	117	5139	1.524	ug/L	97
33) Benzene	8.331	78	11780m	1.232	ug/L	
34) Trichloroethene	9.093	95	3415	1.308	ug/L	91
35) Methylcyclohexane	9.337	83	7550	1.623	ug/L	93
37) 1,2-Dichloropropane	9.374	63	2619	1.037	ug/L	99
38) Bromodichloromethane	9.648	83	2636	0.903	ug/L #	94
39) cis-1,3-Dichloropropene	10.081	75	2917	0.800	ug/L	94
40) 4-Methyl-2-pentanone	10.215	43	2126m	1.246	ug/L	
42) Toluene	10.386	91	11854	1.172	ug/L	100
44) trans-1,3-Dichloropropene	10.611	75	3120m	1.061	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	1353m	0.770	ug/L	
46) Tetrachloroethene	10.867	164	2775	1.490	ug/L	89
49) Dibromochloromethane	11.129	129	1403	0.807	ug/L #	73
50) 1,2-Dibromoethane	11.233	107	1285	0.799	ug/L #	85
51) Chlorobenzene	11.660	112	6440	1.055	ug/L	97
52) Ethylbenzene	11.733	91	13333	1.161	ug/L	98
53) m,p-Xylene	11.837	106	5090	1.202	ug/L	76
54) o-Xylene	12.166	106	3897	1.013	ug/L	99
55) Styrene	12.178	104	5339	0.813	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.715	83	1757m	0.768	ug/L	
59) Bromoform	12.343	173	598	0.797	ug/L #	75
60) Isopropylbenzene	12.458	105	12782	1.446	ug/L #	91
61) 1,2,3-Trichloropropane	12.763	75	1088	0.842	ug/L #	85
62) 1,3,5-Trimethylbenzene	12.940	105	8554	1.308	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	7173	1.101	ug/L	96
64) 1,3-Dichlorobenzene	13.501	146	3776	1.115	ug/L	98
65) 1,4-Dichlorobenzene	13.580	146	3691	1.093	ug/L	86
67) 1,2-Dichlorobenzene	13.867	146	3100	1.016	ug/L #	84
68) 1,2-Dibromo-3-chloropr...	14.482	75	441m	1.419	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	2165	0.951	ug/L #	82
70) 1,2,4-trichlorobenzene	15.129	180	1963	1.110	ug/L #	89
71) Naphthalene	15.366	128	2505	0.673	ug/L #	90
72) 1,2,3-Trichlorobenzene	15.543	180	1402	0.925	ug/L #	24

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



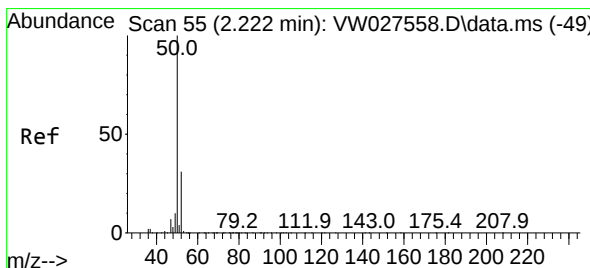
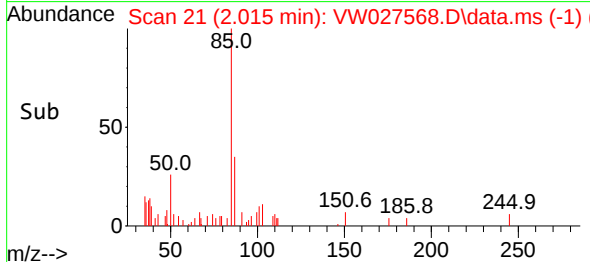
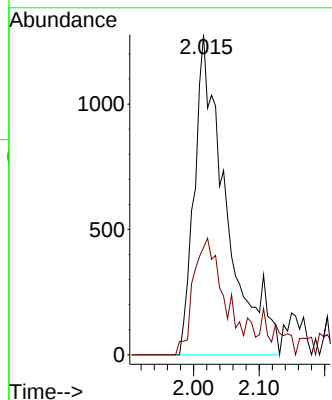
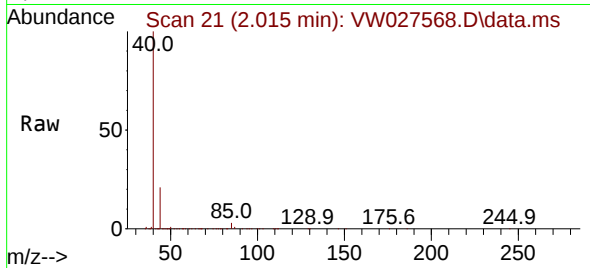
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Dichlorodifluoromethane
Concen: 1.731 ug/L m
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 85 Resp: 428
Ion Ratio Lower Upper
85 100
87 1.7 24.0 36.0

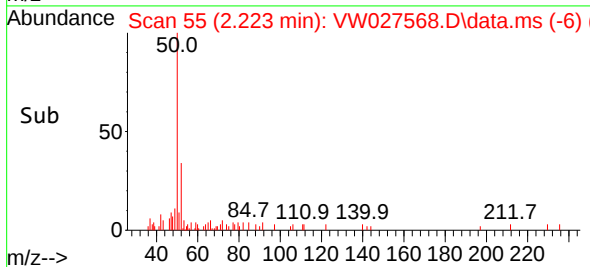
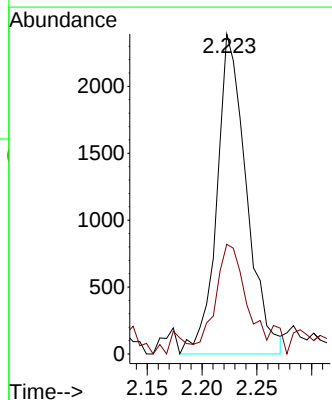
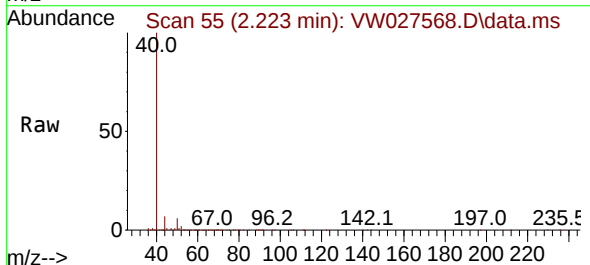
Manual Integrations
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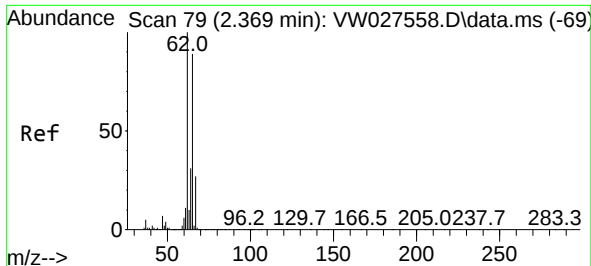
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023



#3
Chloromethane
Concen: 1.486 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

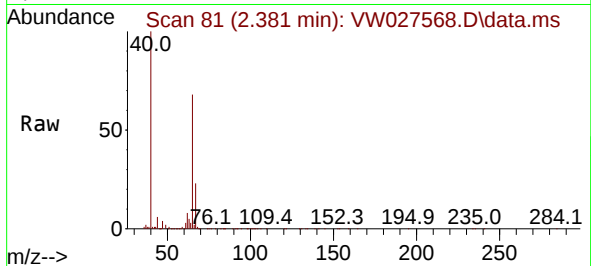
Tgt Ion: 50 Resp: 4499
Ion Ratio Lower Upper
50 100
52 34.2 21.8 40.6





#5
 Vinyl chloride
 Concen: 1.627 ug/L
 RT: 2.381 min Scan# 81
 Delta R.T. 0.012 min
 Lab File: VW027568.D
 Acq: 06 Dec 2023 15:01

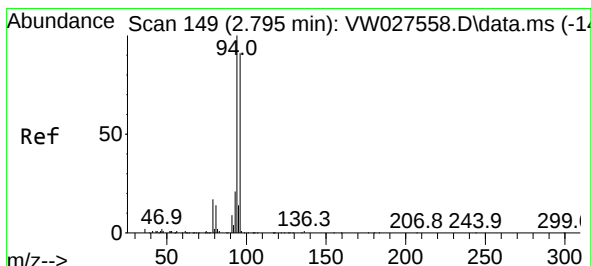
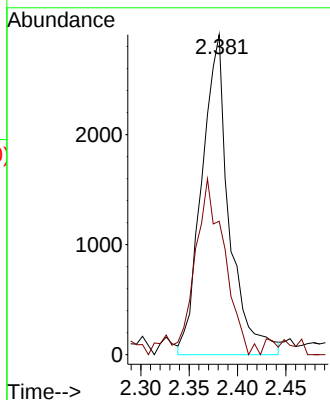
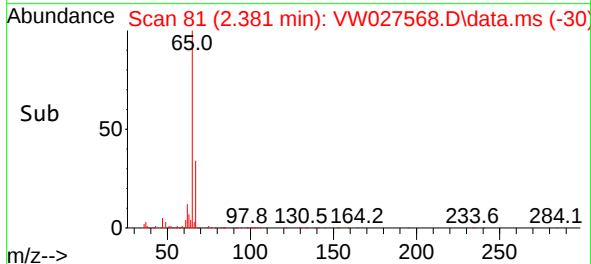
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT4-2023-07



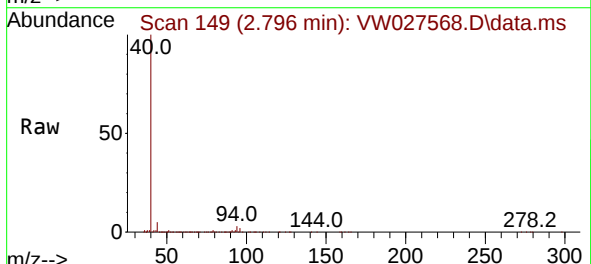
Tgt Ion: 62 Resp: 5740
 Ion Ratio Lower Upper
 62 100
 64 41.7 22.2 41.2

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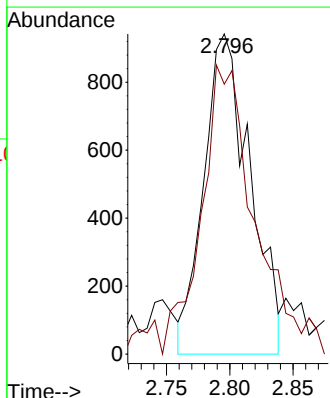
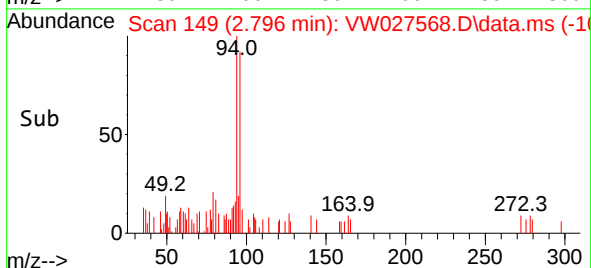
Reviewed By :Semsettin
 Yesilyurt
 12/11/2023
 Supervised By :Mahesh
 Dadoda
 12/11/2023

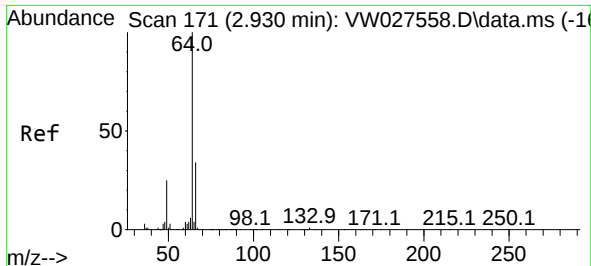


#6
 Bromomethane
 Concen: 1.291 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VW027568.D
 Acq: 06 Dec 2023 15:01



Tgt Ion: 94 Resp: 2393
 Ion Ratio Lower Upper
 94 100
 96 84.3 63.3 117.7





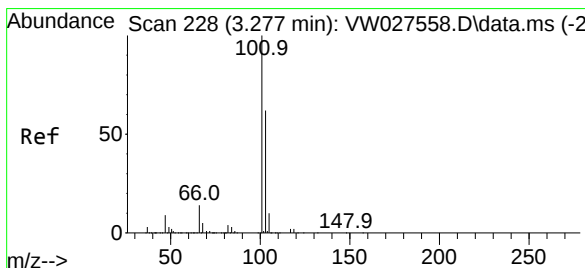
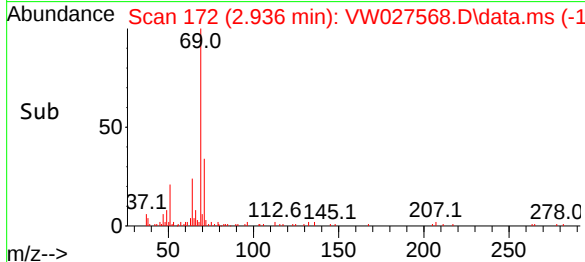
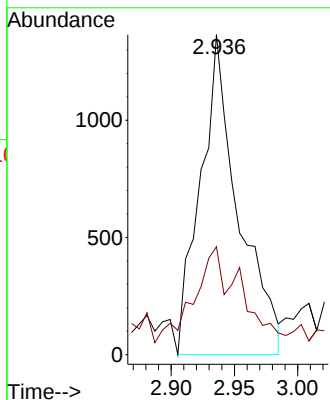
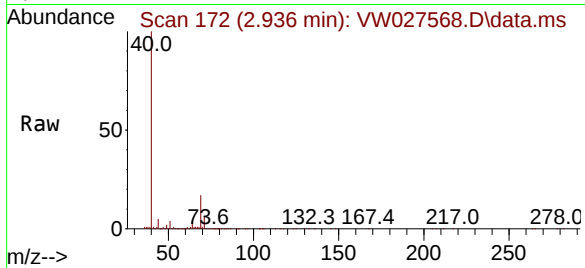
#8
Chloroethane
Concen: 1.415 ug/L
RT: 2.936 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 64 Resp: 2854
Ion Ratio Lower Upper
64 100
66 33.8 24.1 44.7

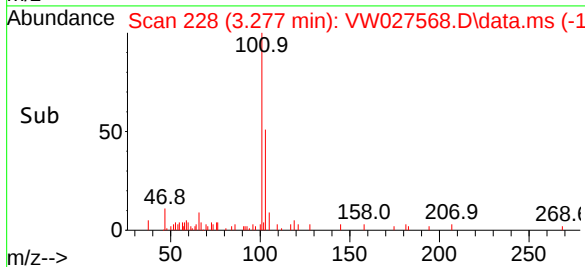
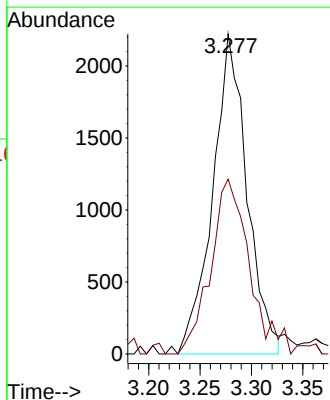
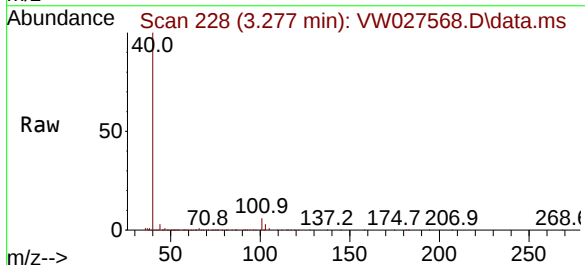
Manual Integrations
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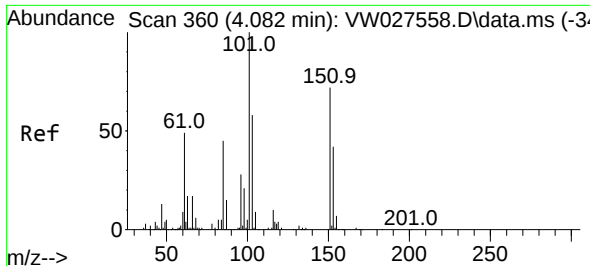
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023



#9
Trichlorofluoromethane
Concen: 1.525 ug/L
RT: 3.277 min Scan# 228
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion:101 Resp: 5159
Ion Ratio Lower Upper
101 100
103 57.7 52.0 78.0





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.081 ug/L m
RT: 4.088 min Scan# 361
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

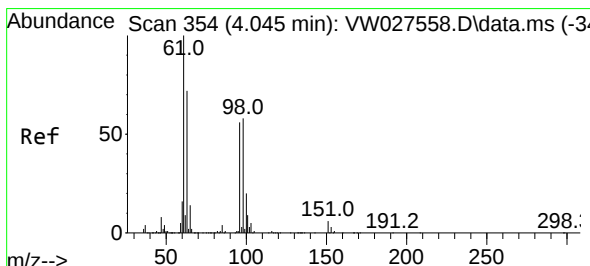
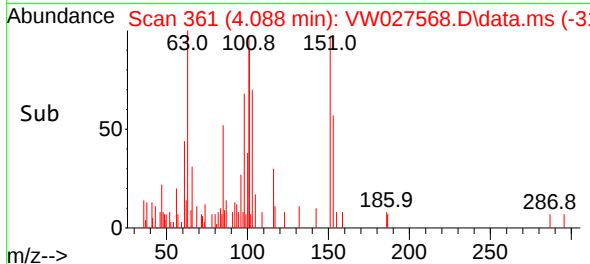
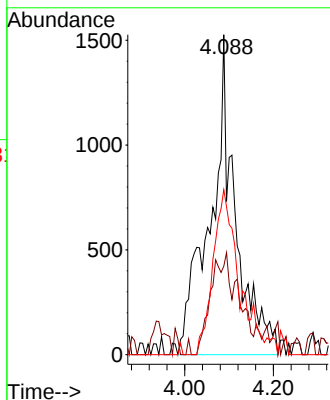
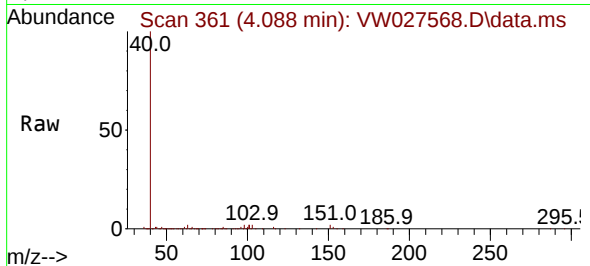
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MSVOA_W
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MDL-SOIL-QT4-2023-07

Tgt Ion: 101 Resp: 600
Ion Ratio Lower Upper
101 100
85 9.2 33.9 50.9
151 42.7 54.6 81.8

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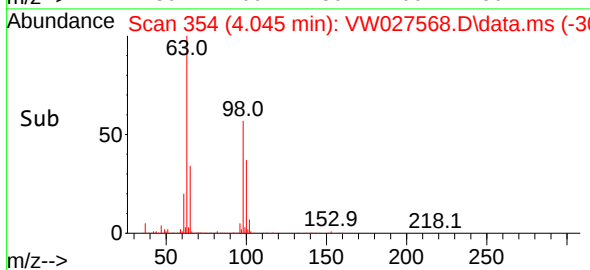
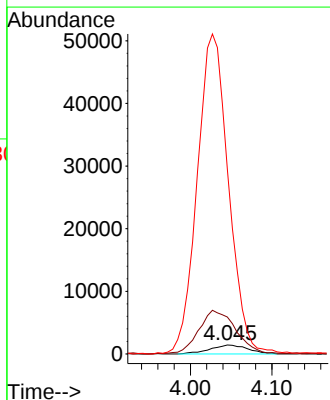
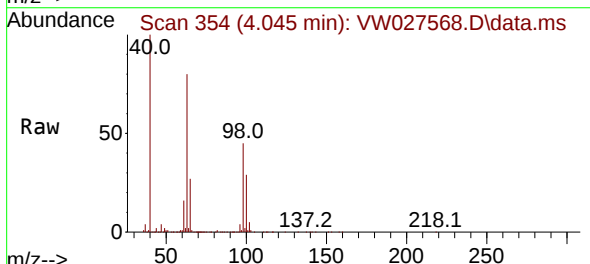
Reviewed By :Semsettin
Yesilyurt
12/11/2023

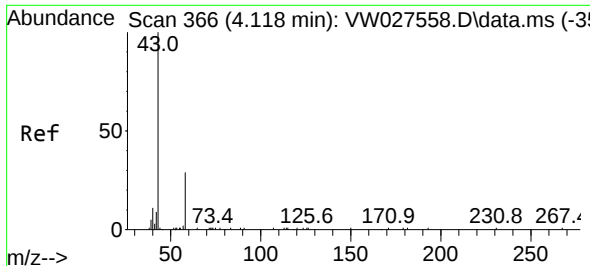
Supervised By :Mahesh
Dadoda
12/11/2023



#12
1,1-Dichloroethene
Concen: 1.754 ug/L m
RT: 4.045 min Scan# 354
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 96 Resp: 4619
Ion Ratio Lower Upper
96 100
61 412.7 127.8 237.4#
63 2070.6 104.9 194.7#





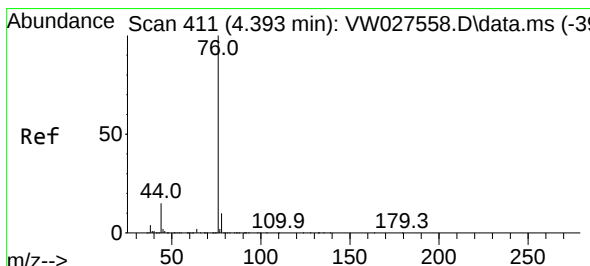
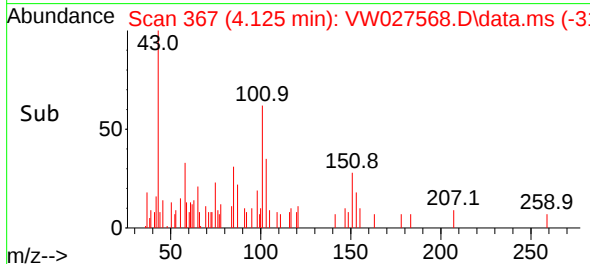
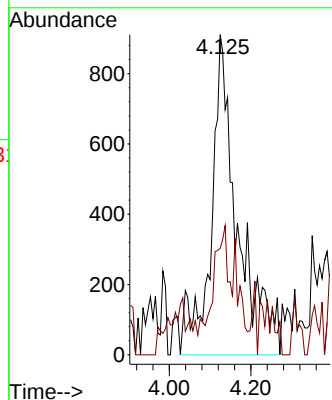
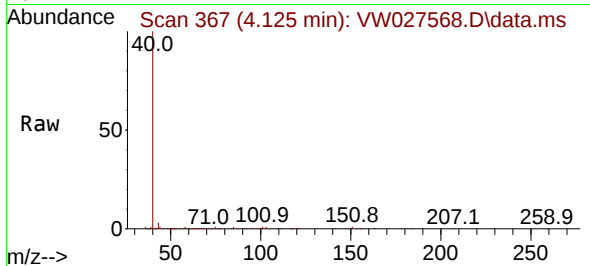
#13
Acetone
Concen: 4.382 ug/L m
RT: 4.125 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

Tgt Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
58 4.0 0.0 60.0

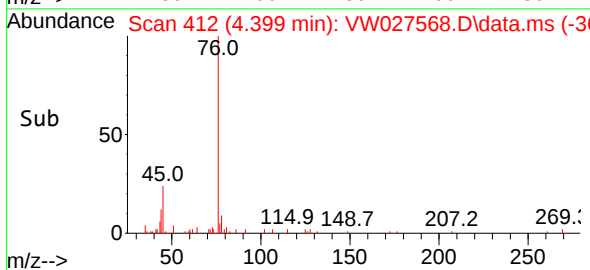
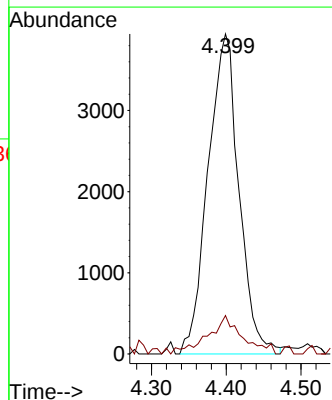
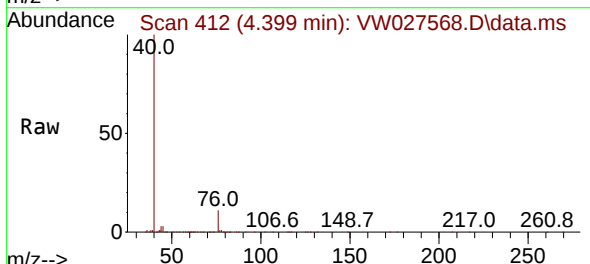
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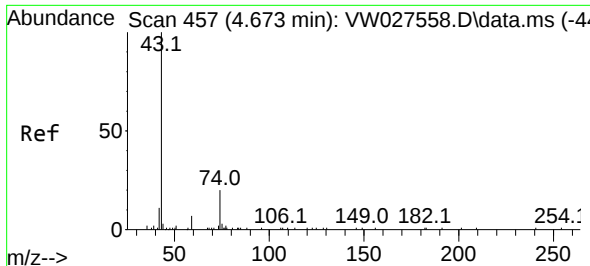
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023



#14
Carbon disulfide
Concen: 1.427 ug/L
RT: 4.399 min Scan# 412
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

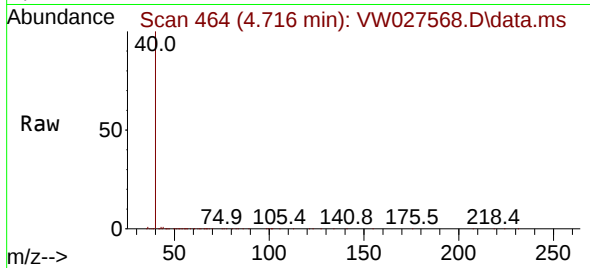
Tgt Ion: 76 Resp: 11360
Ion Ratio Lower Upper
76 100
78 12.0 7.8 11.6#





#15
Methyl Acetate
Concen: 0.828 ug/L m
RT: 4.716 min Scan# 40
Delta R.T. 0.043 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

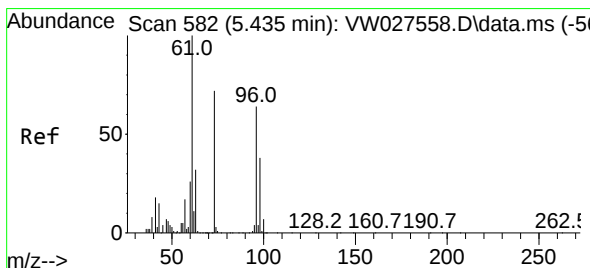
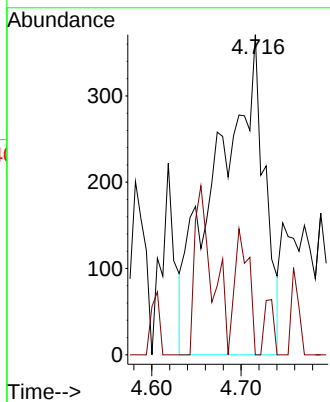
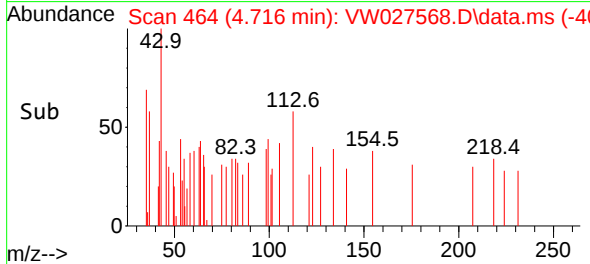
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 43 Resp: 1358
Ion Ratio Lower Upper
43 100
74 3.4 16.8 25.2

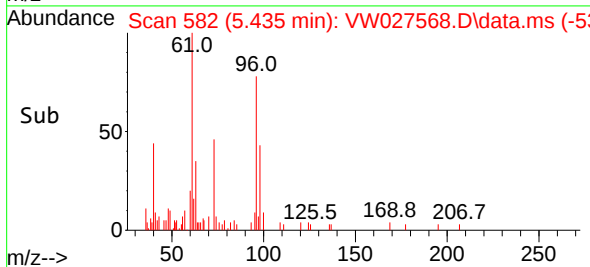
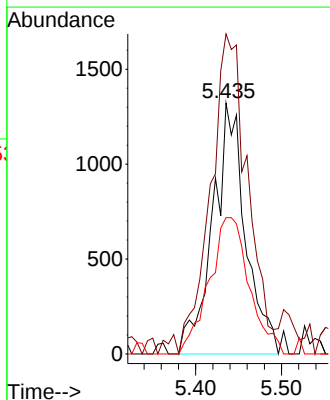
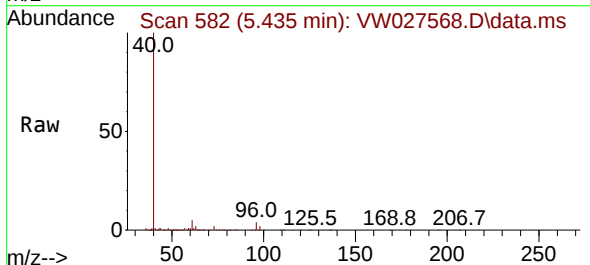
Manual Integrations
APPROVED

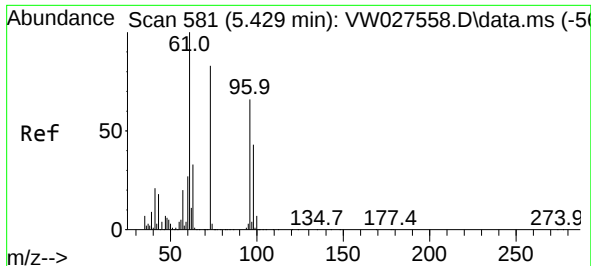
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023



#17
trans-1,2-Dichloroethene
Concen: 1.288 ug/L m
RT: 5.435 min Scan# 582
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

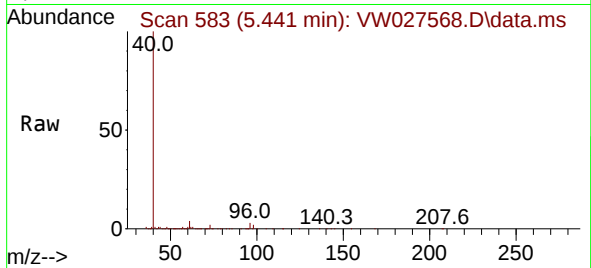
Tgt Ion: 96 Resp: 3497
Ion Ratio Lower Upper
96 100
61 127.5 109.6 203.6
98 54.3 41.9 77.7





#18
Methyl tert-butyl Ether
Concen: 0.741 ug/L m
RT: 5.441 min Scan# 583
Delta R.T. 0.012 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

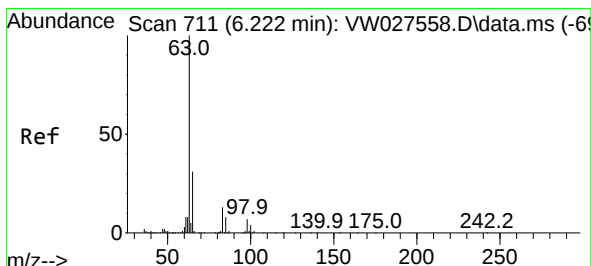
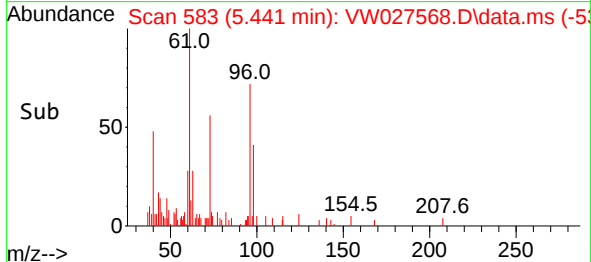
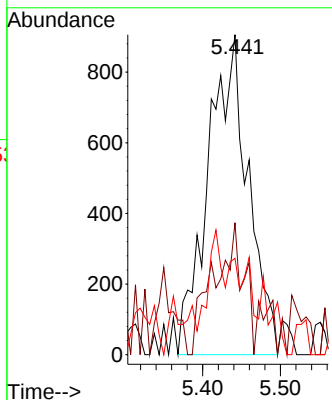


Tgt Ion: 73 Resp: 324
Ion Ratio Lower Upper
73 100
43 5.8 17.8 26.6
57 15.2 19.9 29.9

Manual Integrations
APPROVED

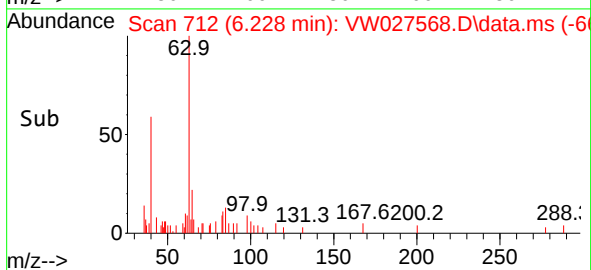
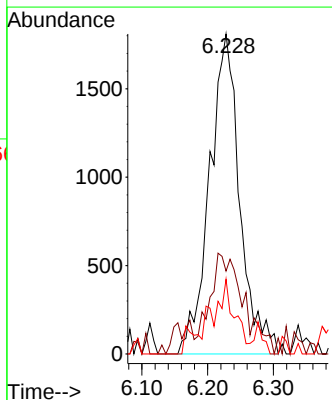
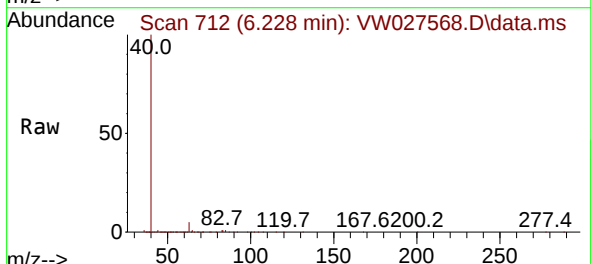
Reviewed By :Semsettin
Yesilyurt
12/11/2023

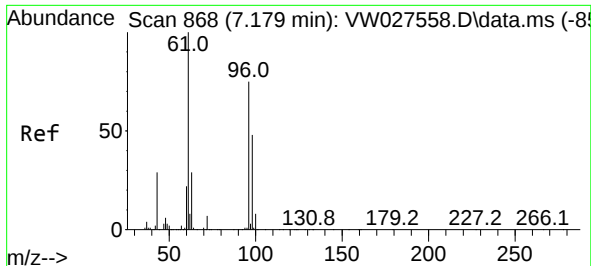
Supervised By :Mahesh
Dadoda
12/11/2023



#19
1,1-Dichloroethane
Concen: 1.048 ug/L
RT: 6.228 min Scan# 712
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

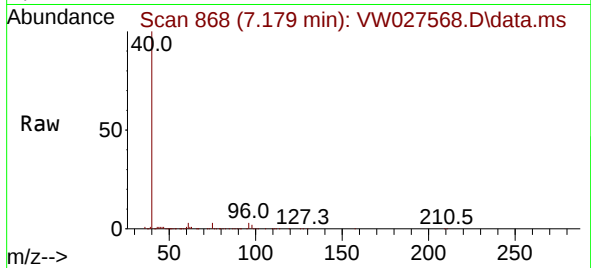
Tgt Ion: 63 Resp: 5786
Ion Ratio Lower Upper
63 100
65 25.9 22.0 40.8
83 23.4 9.0 16.8





#20
cis-1,2-Dichloroethene
Concen: 1.067 ug/L
RT: 7.179 min Scan# 868
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

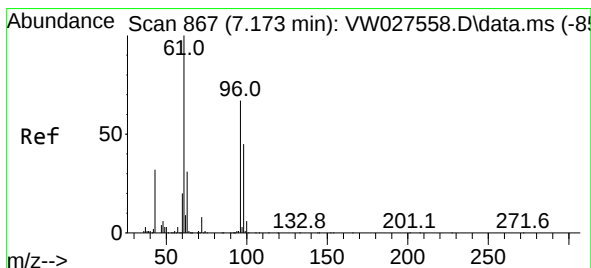
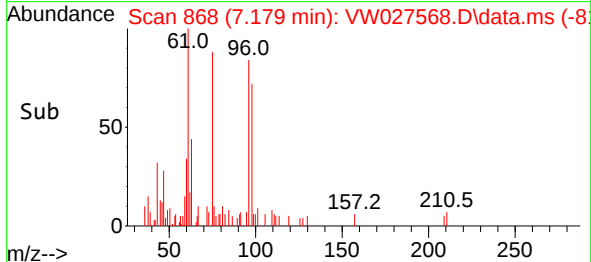
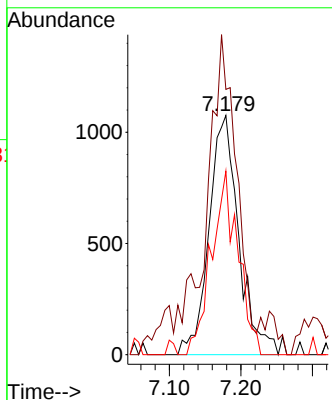
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 96 Resp: 311
Ion Ratio Lower Upper
96 100
61 110.9 94.0 174.6
98 83.0 45.1 83.7

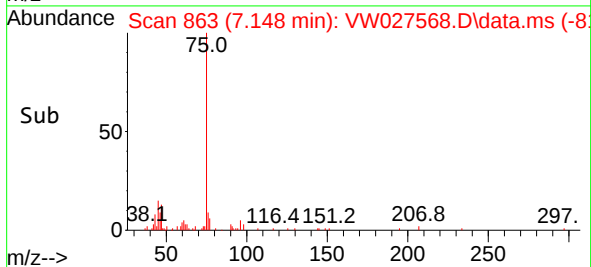
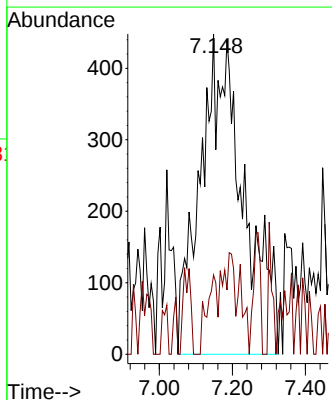
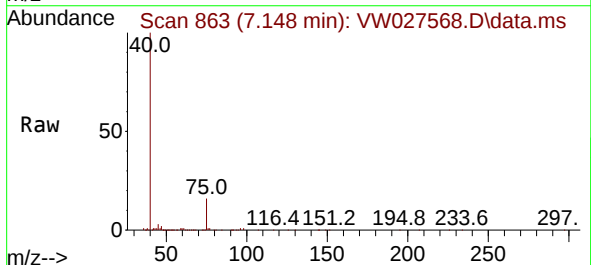
Manual Integrations
APPROVED

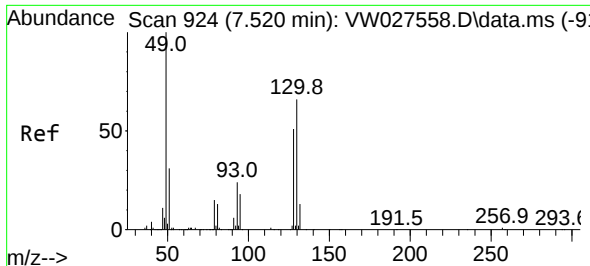
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023



#22
2-Butanone
Concen: 3.032 ug/L m
RT: 7.148 min Scan# 863
Delta R.T. -0.024 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

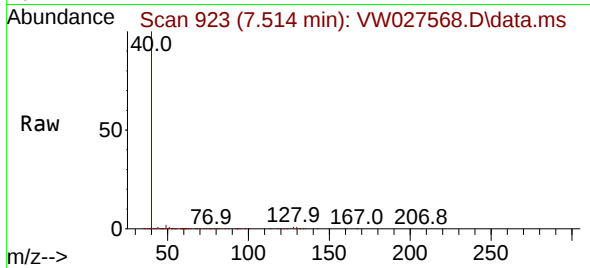
Tgt Ion: 43 Resp: 3672
Ion Ratio Lower Upper
43 100
72 4.5 11.9 35.9#





#23
Bromochloromethane
Concen: 0.869 ug/L m
RT: 7.514 min Scan# 91
Delta R.T. -0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

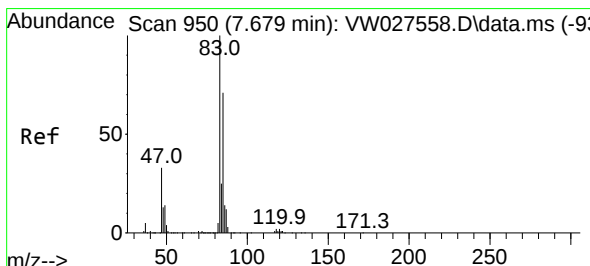
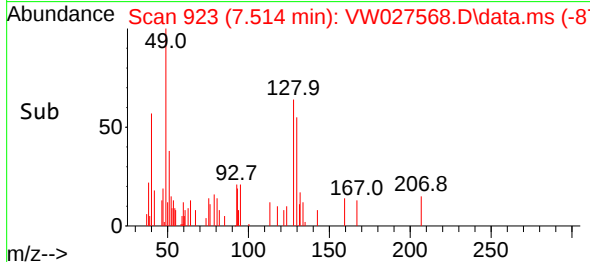
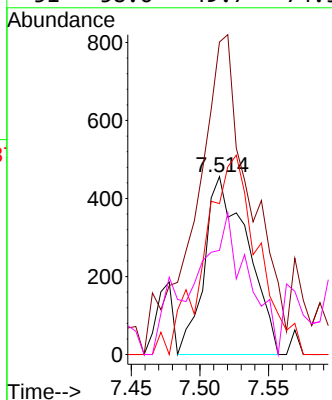


Tgt Ion:128 Resp: 99
Ion Ratio Lower Upper
128 100
49 175.7 137.8 256.0
130 84.9 91.2 169.4
51 58.6 49.7 74.5

Manual Integrations
APPROVED

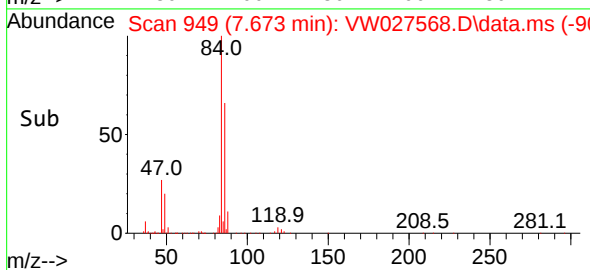
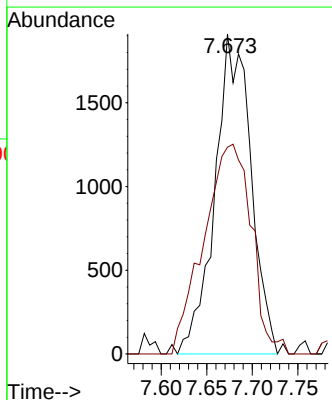
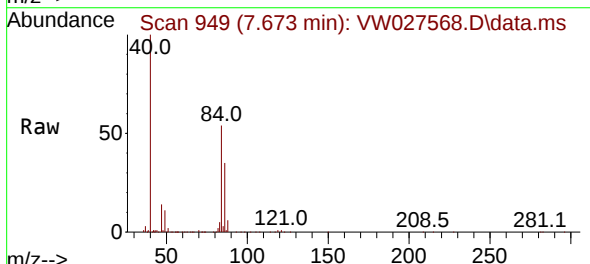
Reviewed By :Semsettin
Yesilyurt
12/11/2023

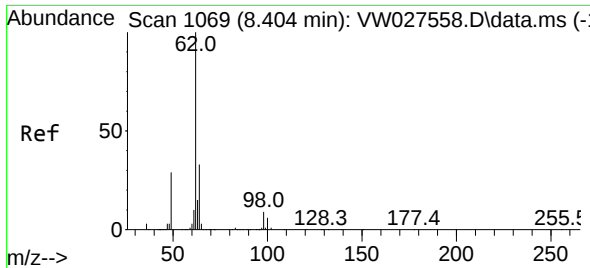
Supervised By :Mahesh
Dadoda
12/11/2023



#25
Chloroform
Concen: 1.045 ug/L m
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 83 Resp: 5243
Ion Ratio Lower Upper
83 100
85 64.6 49.8 92.6





#27

1,2-Dichloroethane

Concen: 0.819 ug/L m

RT: 8.404 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VW027568.D

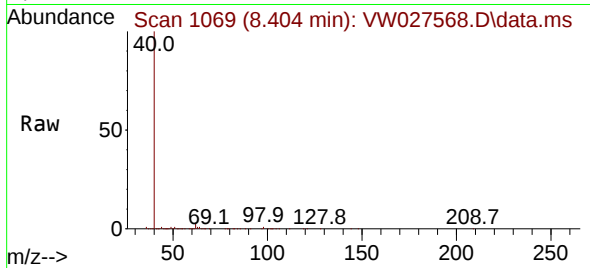
Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 62 Resp: 2654

Ion Ratio Lower Upper

62 100

98 19.0 7.4 11.0

Manual Integrations

APPROVED

Reviewed By :Semsettin

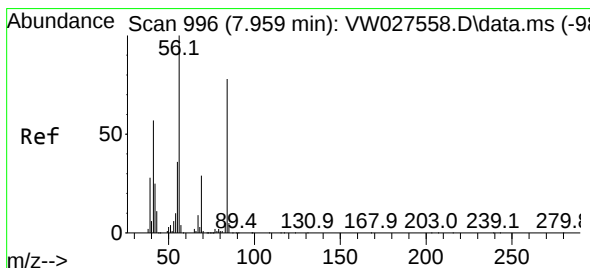
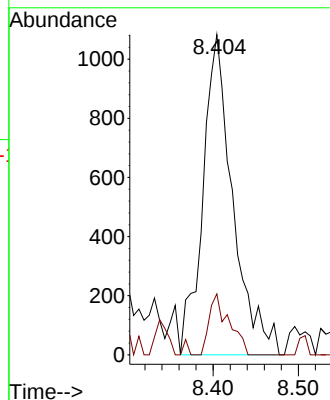
Yesilyurt

12/11/2023

Supervised By :Mahesh

Dadoda

12/11/2023



#29

Cyclohexane

Concen: 1.710 ug/L

RT: 7.965 min Scan# 997

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

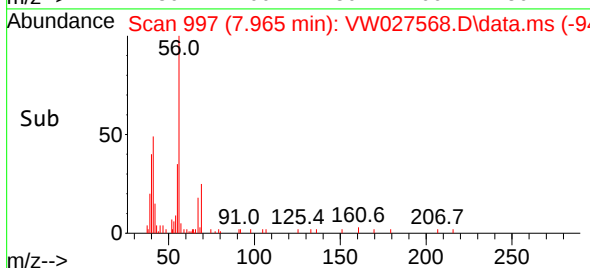
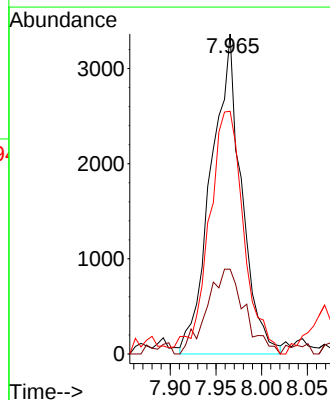
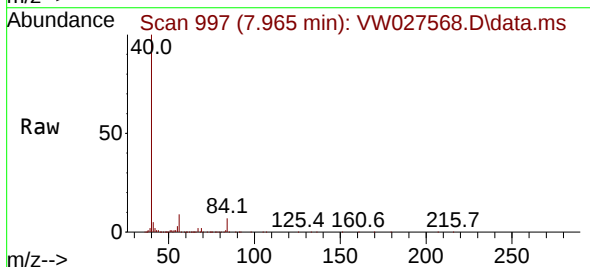
Tgt Ion: 56 Resp: 7790

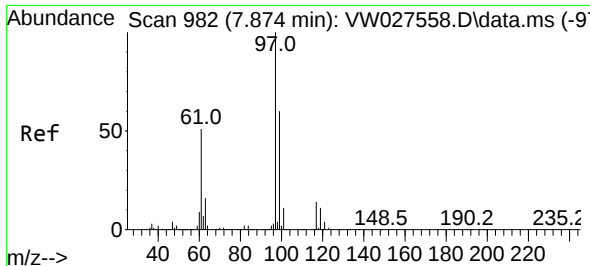
Ion Ratio Lower Upper

56 100

69 30.5 24.1 36.1

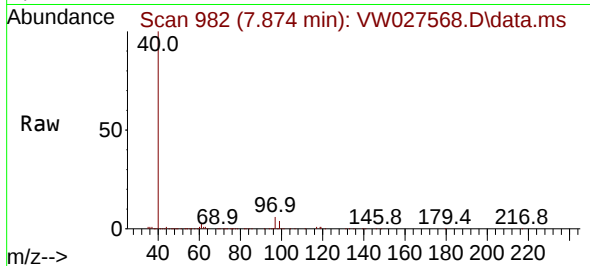
84 83.8 65.0 97.4





#30
1,1,1-Trichloroethane
Concen: 1.512 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

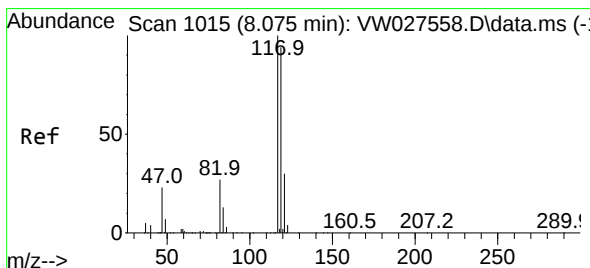
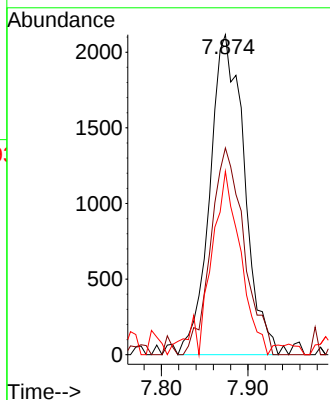
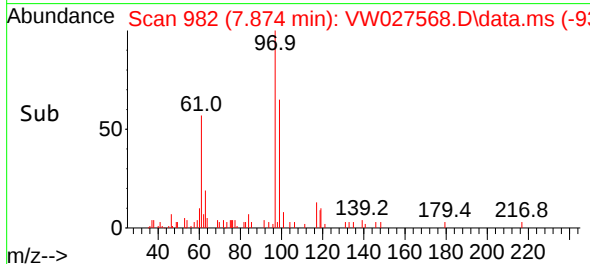


Tgt Ion: 97 Resp: 584
Ion Ratio Lower Upper
97 100
99 62.4 50.5 75.7
61 46.1 39.0 58.4

Manual Integrations
APPROVED

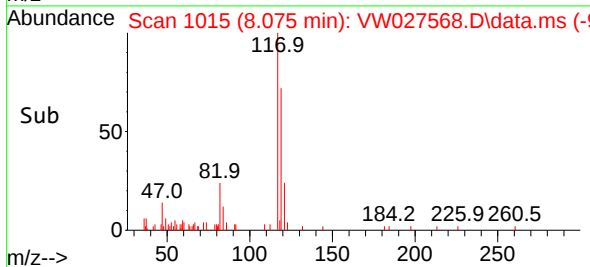
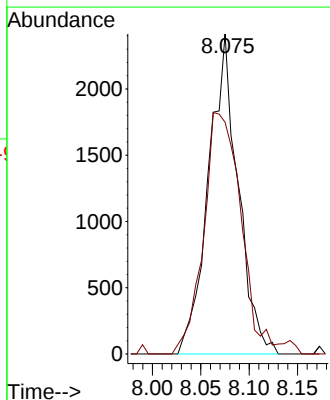
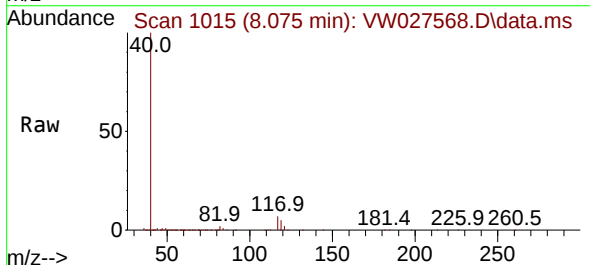
Reviewed By :Semsettin
Yesilyurt
12/11/2023

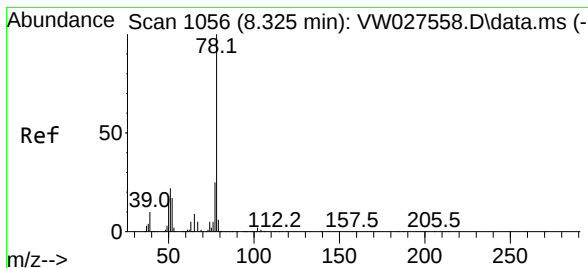
Supervised By :Mahesh
Dadoda
12/11/2023



#31
Carbon tetrachloride
Concen: 1.524 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion:117 Resp: 5139
Ion Ratio Lower Upper
117 100
119 92.9 77.0 115.6





#33

Benzene

Concen: 1.232 ug/L m

RT: 8.331 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion: 78 Resp: 11780

Manual Integrations
APPROVED

Reviewed By :Semsettin

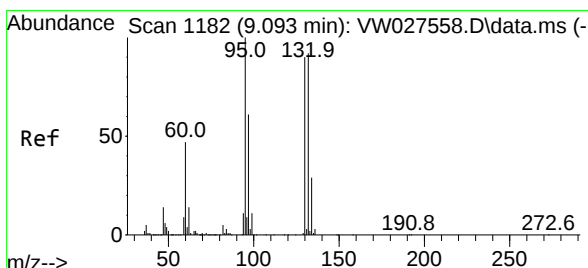
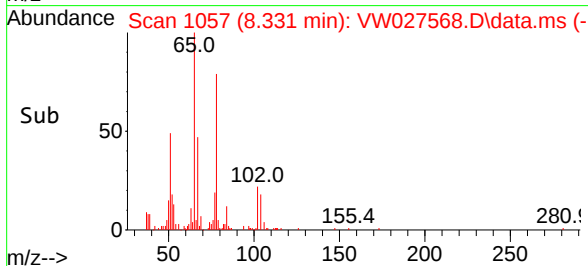
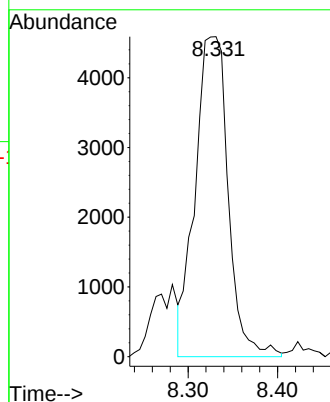
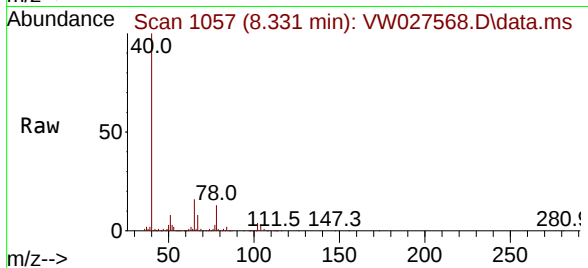
Yesilyurt

12/11/2023

Supervised By :Mahesh

Dadoda

12/11/2023



#34

Trichloroethene

Concen: 1.308 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Tgt Ion: 95 Resp: 3415

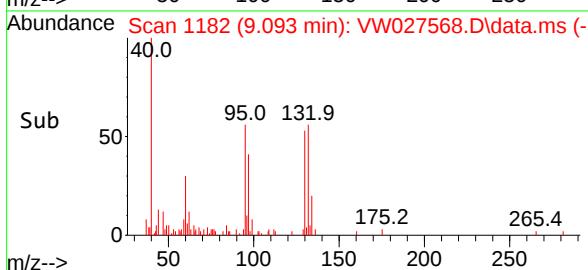
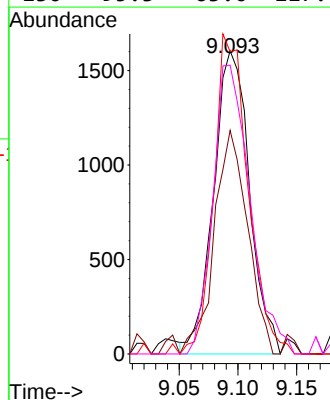
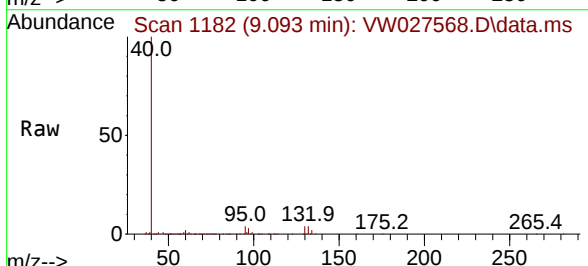
Ion Ratio Lower Upper

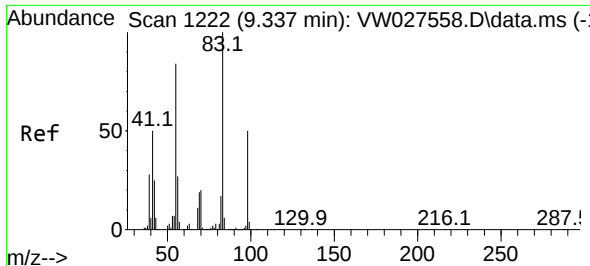
95 100

97 73.7 43.0 80.0

132 99.7 64.1 119.1

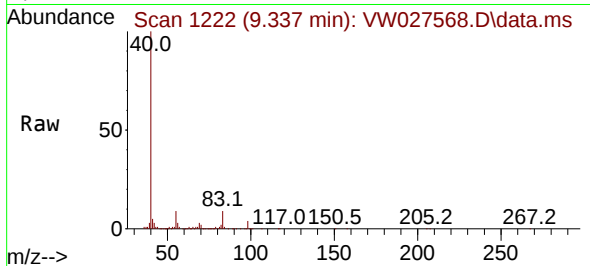
130 95.3 63.0 117.0





#35
Methylcyclohexane
Concen: 1.623 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

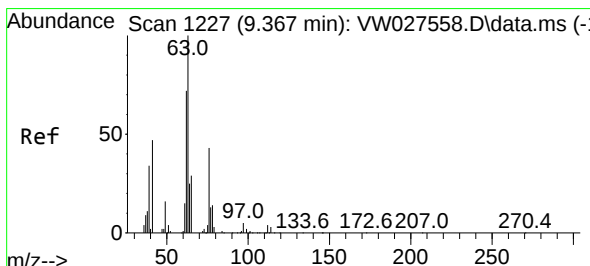
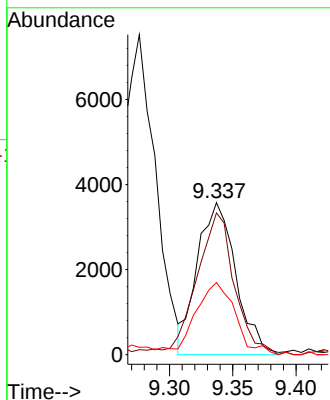
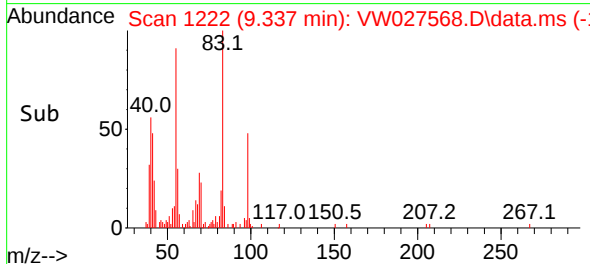


Tgt Ion: 83 Resp: 7550
Ion Ratio Lower Upper
83 100
55 90.3 65.6 98.4
98 46.1 38.3 57.5

Manual Integrations
APPROVED

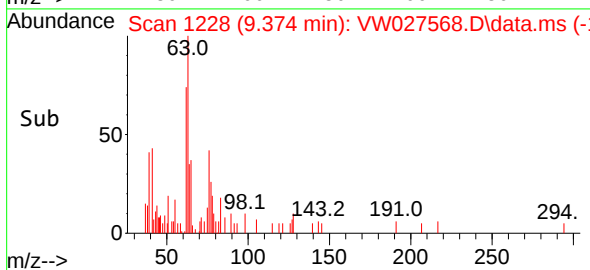
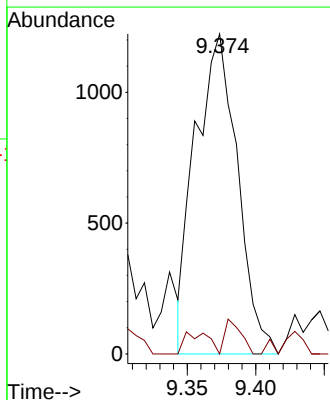
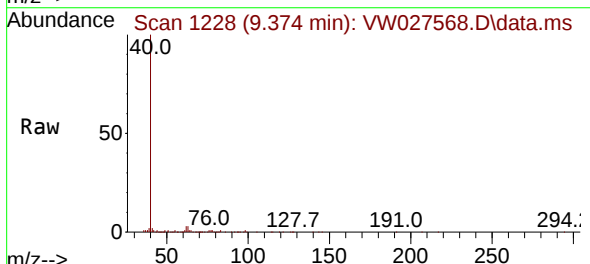
Reviewed By :Semsettin
Yesilyurt
12/11/2023

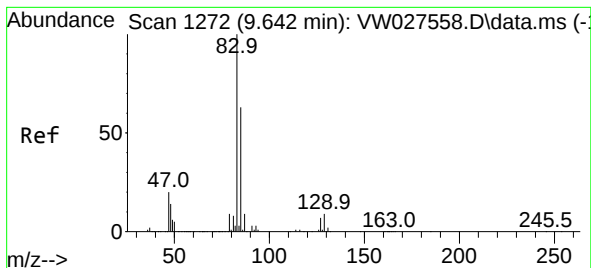
Supervised By :Mahesh
Dadoda
12/11/2023



#37
1,2-Dichloropropane
Concen: 1.037 ug/L
RT: 9.374 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 63 Resp: 2619
Ion Ratio Lower Upper
63 100
112 4.1 3.6 5.4





#38

Bromodichloromethane

Concen: 0.903 ug/L

RT: 9.648 min Scan# 1272

Delta R.T. 0.006 min

Lab File: VW027568.D

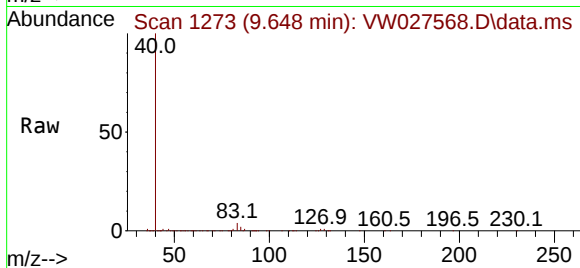
Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion:	83	Resp:	2630
Ion Ratio	Lower	Upper	
83	100		
85	66.2	44.3	82.3
127	17.9	5.3	7.9

Manual Integrations

APPROVED

Reviewed By :Semsettin

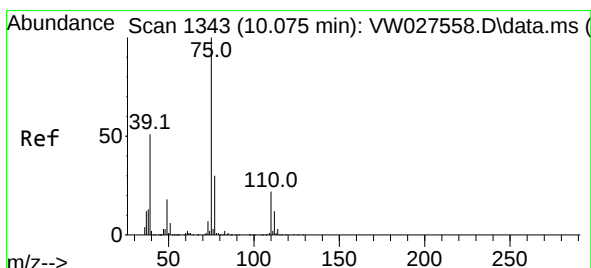
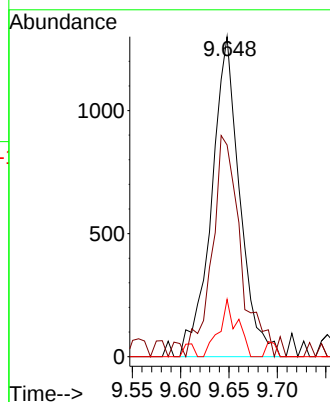
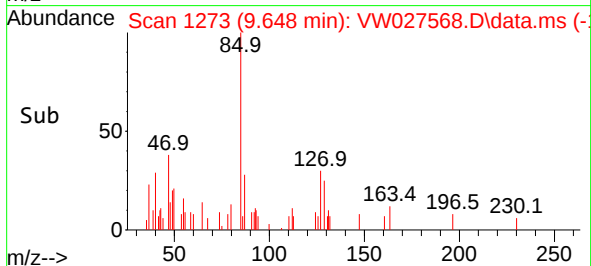
Yesilyurt

12/11/2023

Supervised By :Mahesh

Dadoda

12/11/2023



#39

cis-1,3-Dichloropropene

Concen: 0.800 ug/L

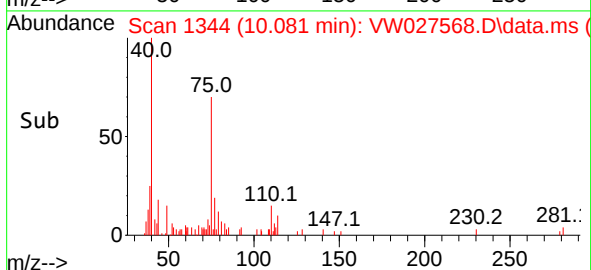
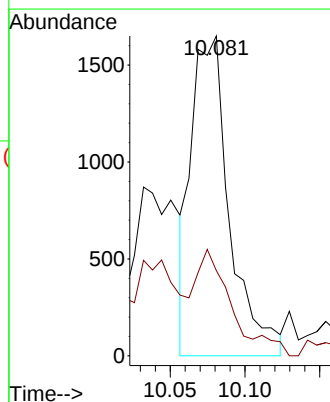
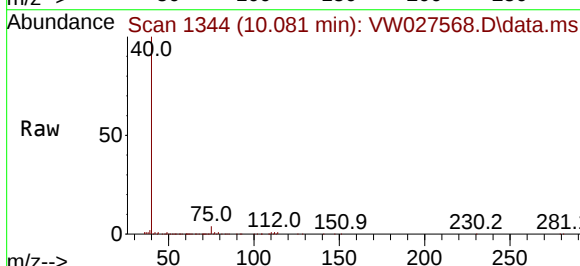
RT: 10.081 min Scan# 1344

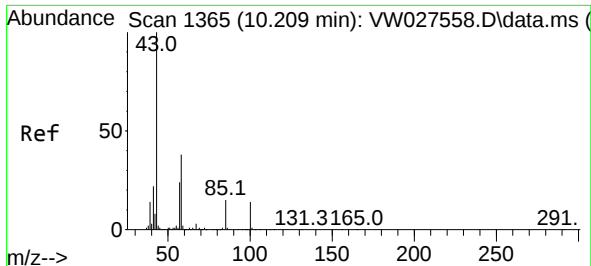
Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

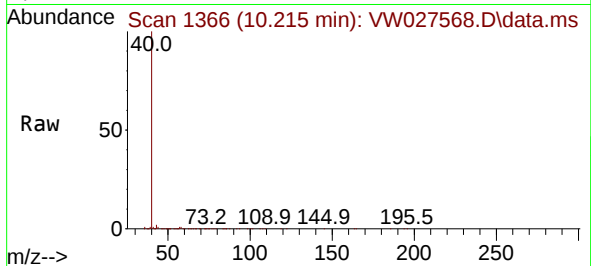
Tgt Ion:	75	Resp:	2917
Ion Ratio	Lower	Upper	
75	100		
77	26.6	21.1	39.1





#40
4-Methyl-2-pentanone
Concen: 1.246 ug/L m
RT: 10.215 min Scan# 1365
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

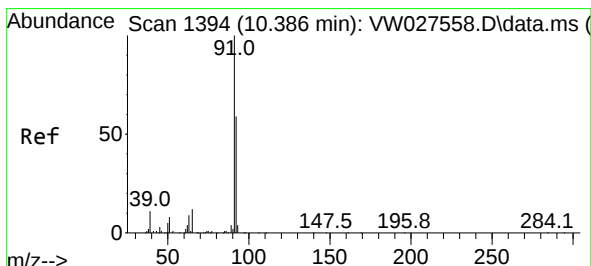
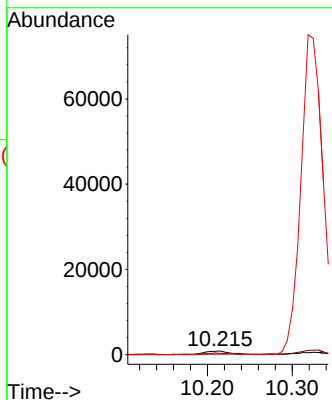
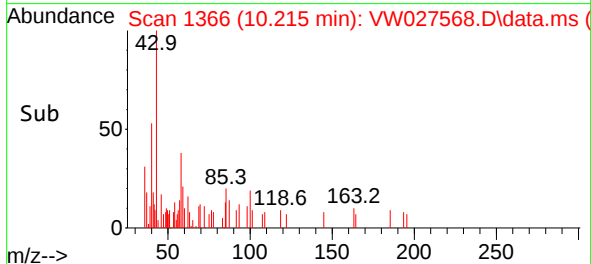


Tgt Ion: 43 Resp: 2120
Ion Ratio Lower Upper
43 100
58 24.5 29.6 44.4
100 4.0 11.1 16.7

Manual Integrations
APPROVED

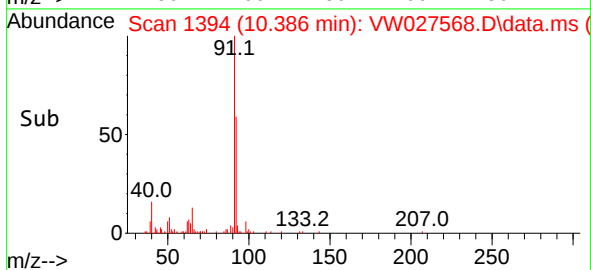
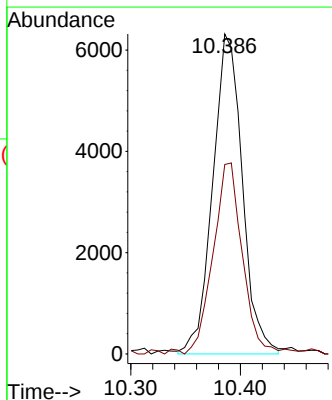
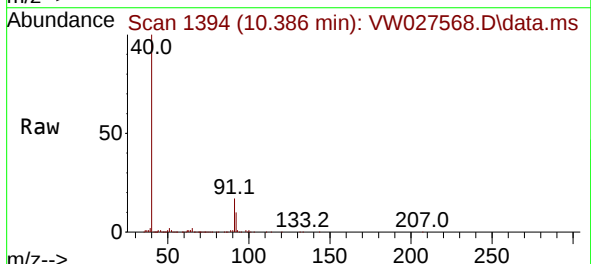
Reviewed By :Semsettin
Yesilyurt
12/11/2023

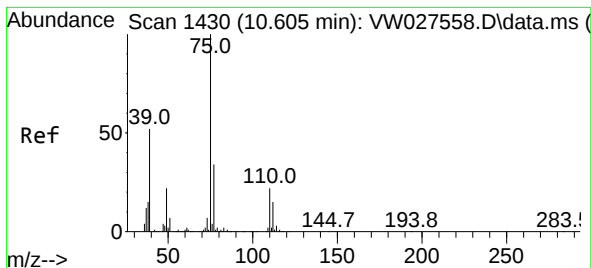
Supervised By :Mahesh
Dadoda
12/11/2023



#42
Toluene
Concen: 1.172 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

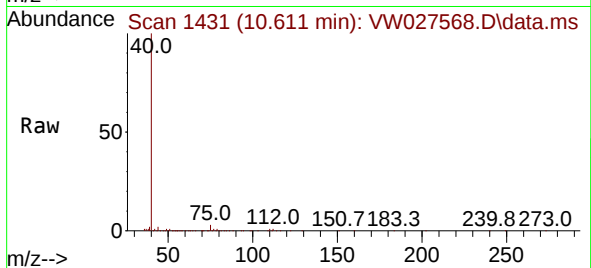
Tgt Ion: 91 Resp: 11854
Ion Ratio Lower Upper
91 100
92 59.2 41.4 76.8





#44
trans-1,3-Dichloropropene
Concen: 1.061 ug/L m
RT: 10.611 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

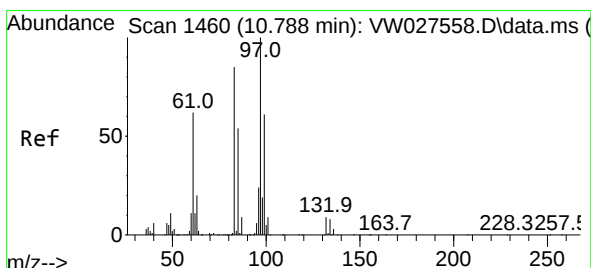
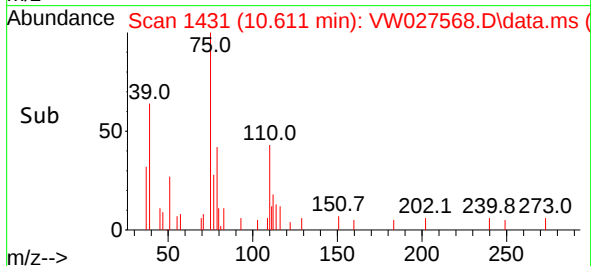
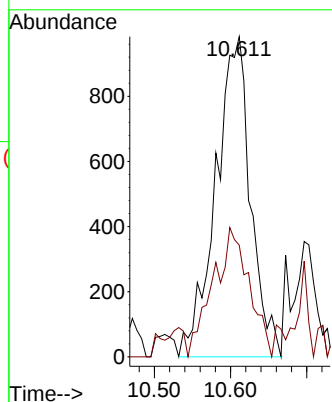
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 75 Resp: 3120
Ion Ratio Lower Upper
75 100
77 34.9 23.7 44.1

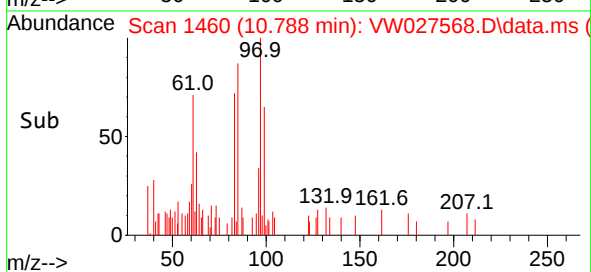
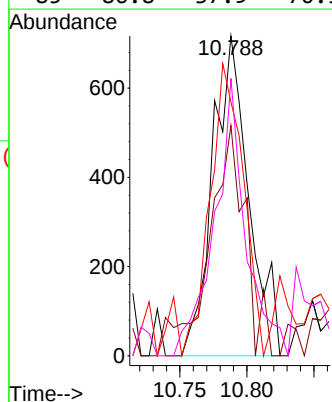
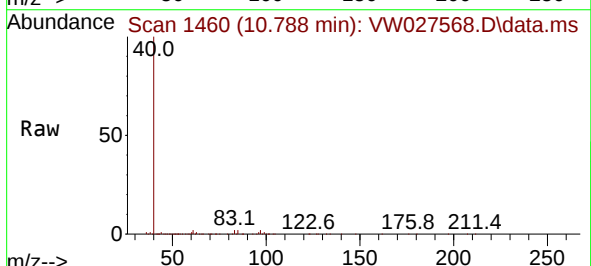
Manual Integrations
APPROVED

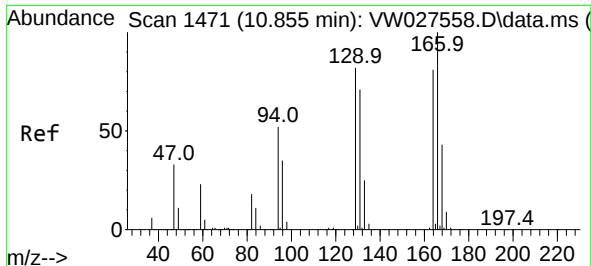
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023



#45
1,1,2-Trichloroethane
Concen: 0.770 ug/L m
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

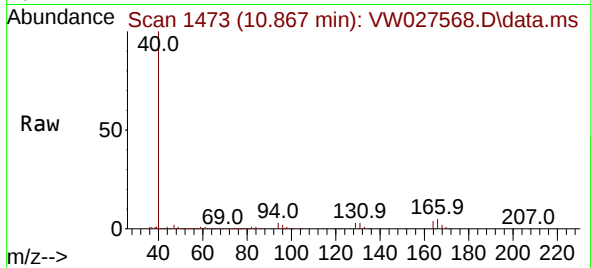
Tgt Ion: 97 Resp: 1353
Ion Ratio Lower Upper
97 100
99 72.0 42.8 79.4
83 79.4 59.9 111.3
85 86.8 37.9 70.5#





#46
Tetrachloroethene
Concen: 1.490 ug/L
RT: 10.867 min Scan# 1473
Delta R.T. 0.012 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

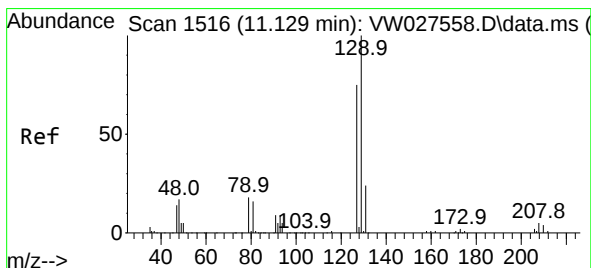
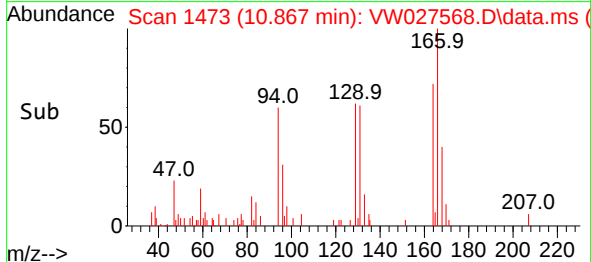
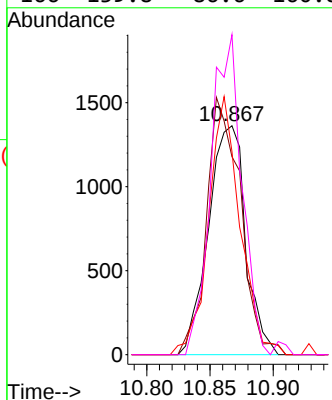
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:164 Resp: 2775
Ion Ratio Lower Upper
164 100
129 86.4 71.0 131.8
131 88.8 61.2 113.6
166 139.8 86.6 160.8

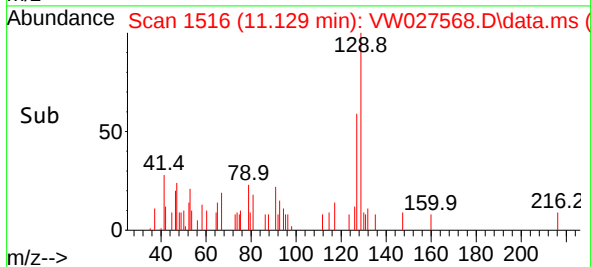
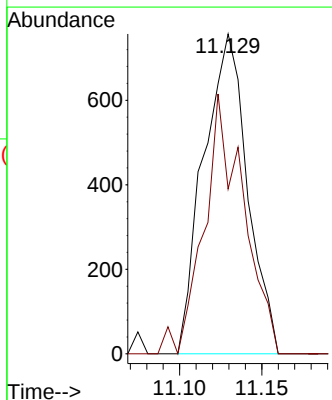
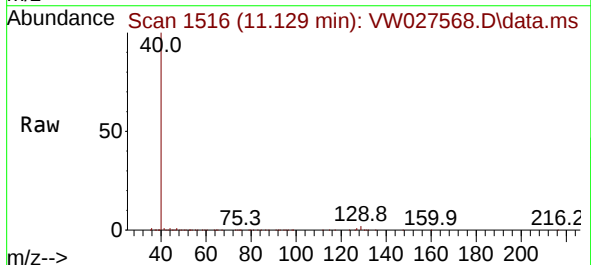
Manual Integrations
APPROVED

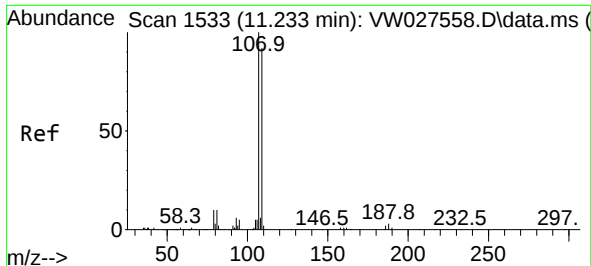
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023



#49
Dibromochloromethane
Concen: 0.807 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

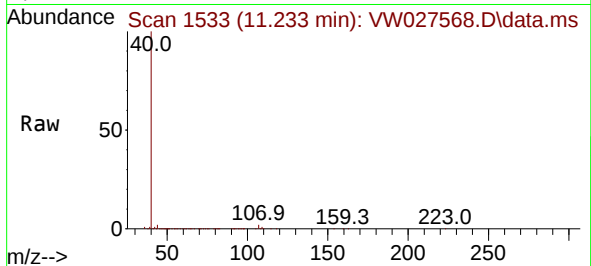
Tgt Ion:129 Resp: 1403
Ion Ratio Lower Upper
129 100
127 51.5 52.3 97.1#





#50
1,2-Dibromoethane
Concen: 0.799 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

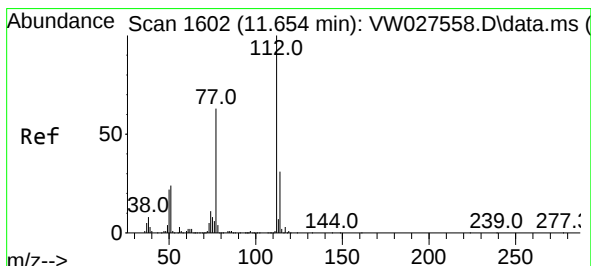
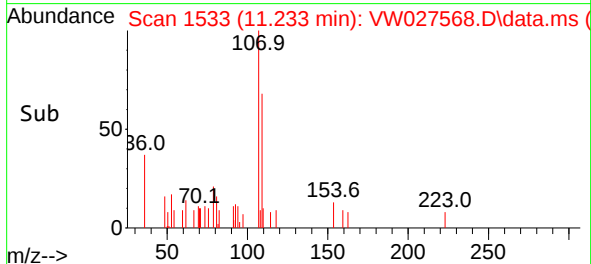
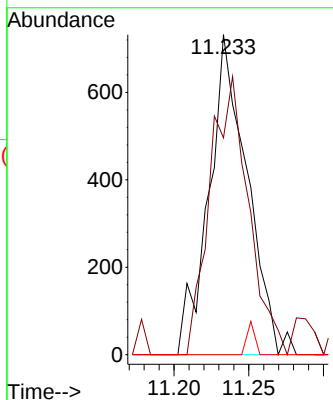


Tgt Ion:107 Resp: 1285
Ion Ratio Lower Upper
107 100
109 77.9 64.8 120.3
188 0.0 2.7 4.1

Manual Integrations
APPROVED

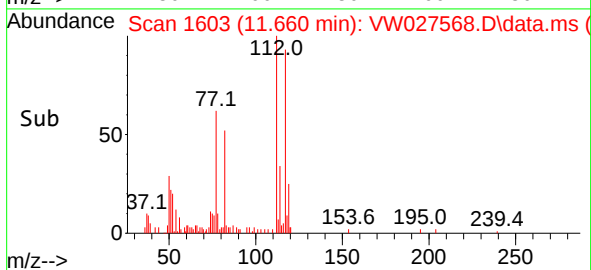
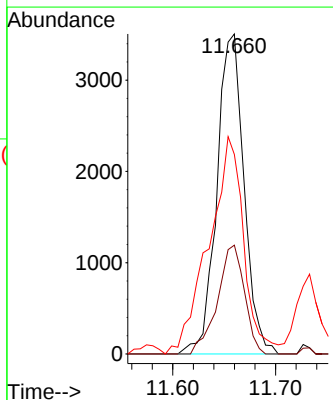
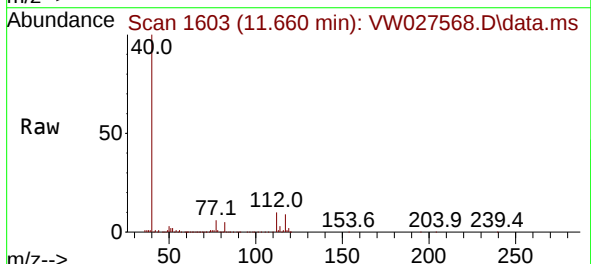
Reviewed By :Semsettin
Yesilyurt
12/11/2023

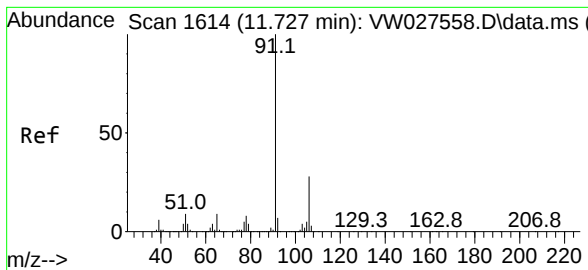
Supervised By :Mahesh
Dadoda
12/11/2023



#51
Chlorobenzene
Concen: 1.055 ug/L
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

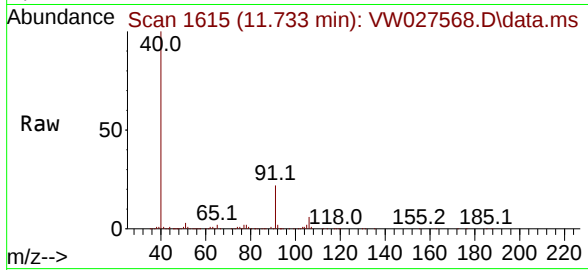
Tgt Ion:112 Resp: 6440
Ion Ratio Lower Upper
112 100
114 34.0 21.5 39.9
77 62.4 50.6 76.0





#52
Ethylbenzene
Concen: 1.161 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

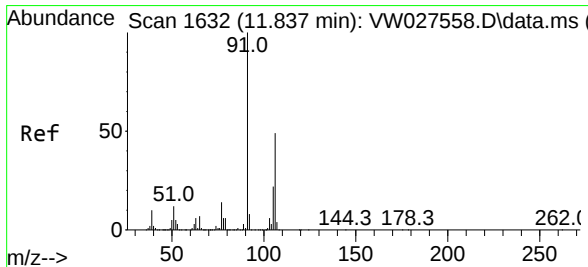
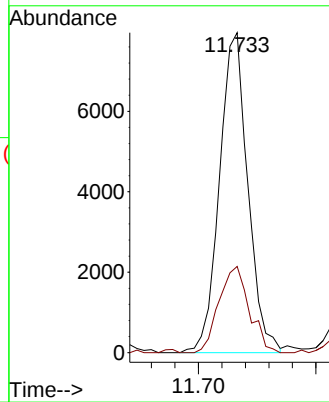
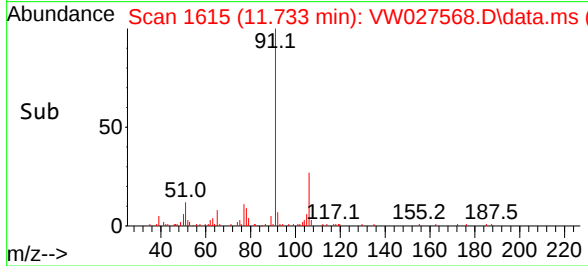
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



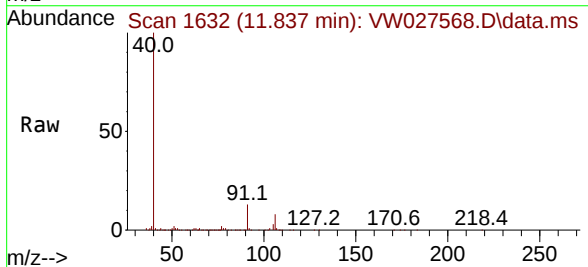
Tgt Ion: 91 Resp: 1333
Ion Ratio Lower Upper
91 100
106 27.0 19.5 36.1

Manual Integrations
APPROVED

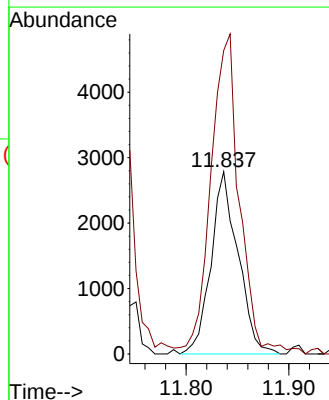
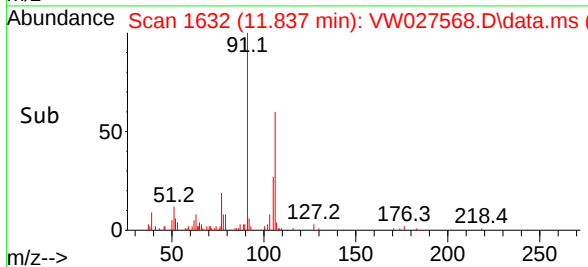
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023

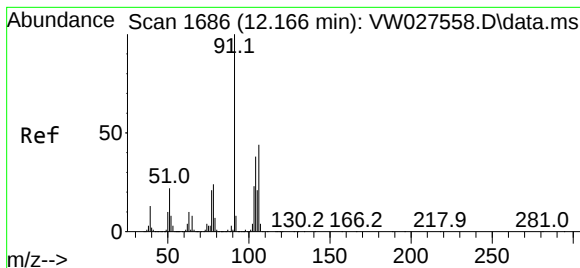


#53
m,p-Xylene
Concen: 1.202 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01



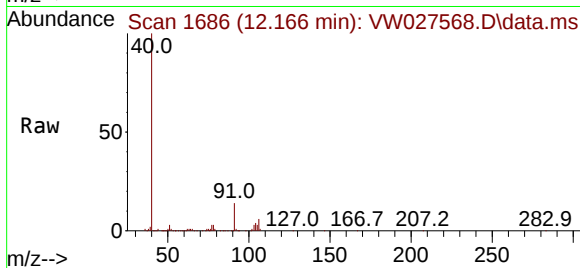
Tgt Ion:106 Resp: 5090
Ion Ratio Lower Upper
106 100
91 166.5 142.1 263.9





#54
o-Xylene
Concen: 1.013 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

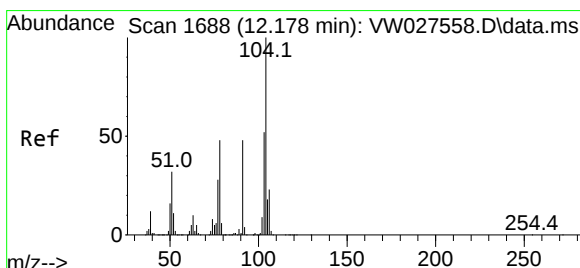
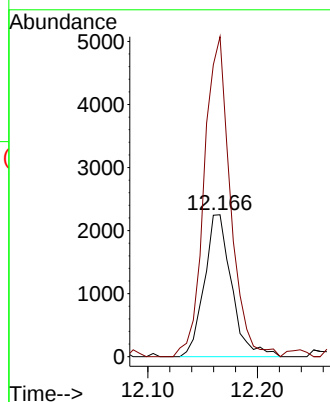
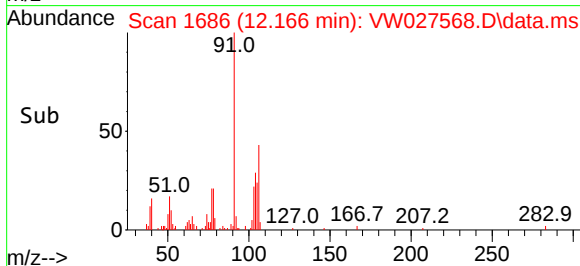
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



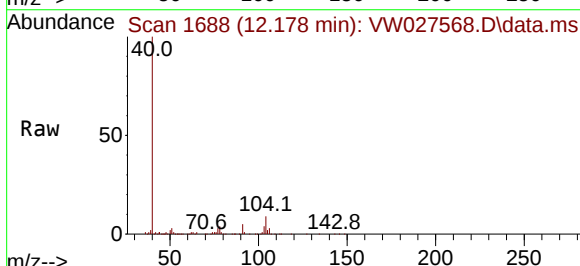
Tgt Ion:106 Resp: 389
Ion Ratio Lower Upper
106 100
91 225.4 158.8 295.0

Manual Integrations
APPROVED

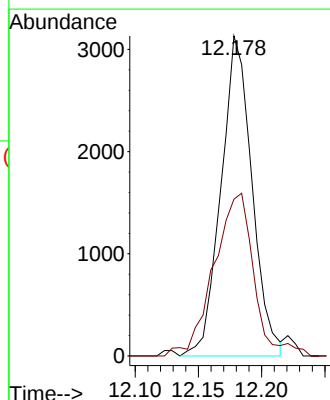
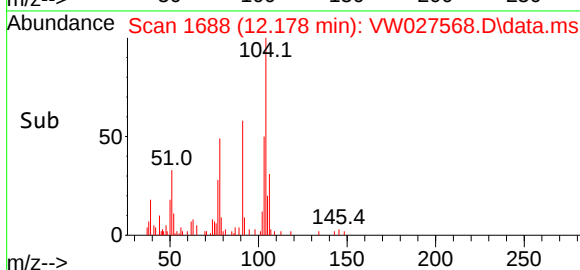
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023

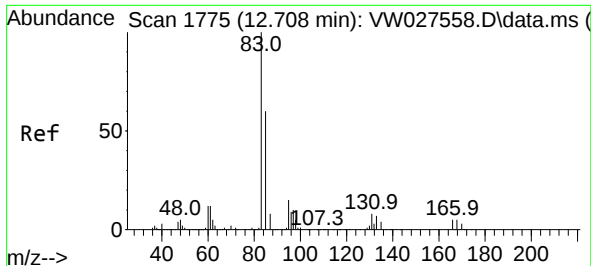


#55
Styrene
Concen: 0.813 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01



Tgt Ion:104 Resp: 5339
Ion Ratio Lower Upper
104 100
78 49.0 33.9 62.9





#57

1,1,2,2-Tetrachloroethane

Concen: 0.768 ug/L m

RT: 12.715 min Scan# 1775

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

Tgt Ion:	83	Resp:	175
Ion Ratio	Lower	Upper	
83	100		
85	55.1	41.9	77.7
131	11.9	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :Semsettin

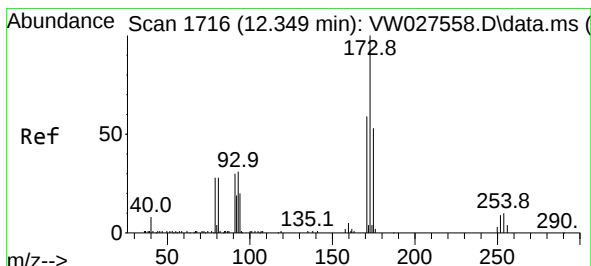
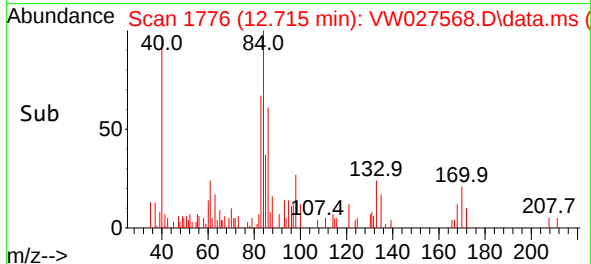
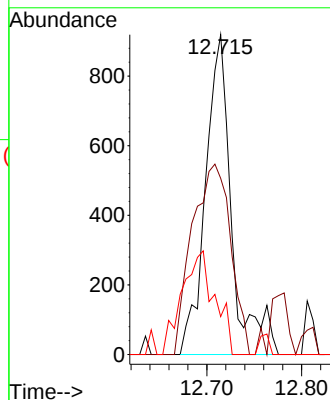
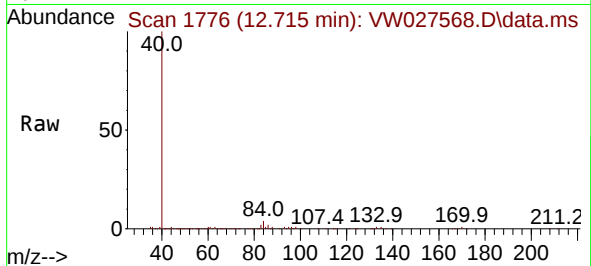
Yesilyurt

12/11/2023

Supervised By :Mahesh

Dadoda

12/11/2023



#59

Bromoform

Concen: 0.797 ug/L

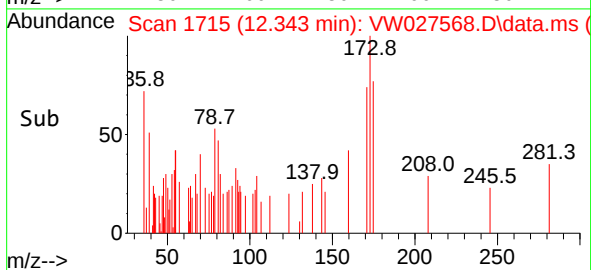
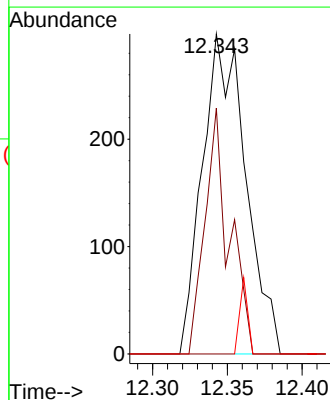
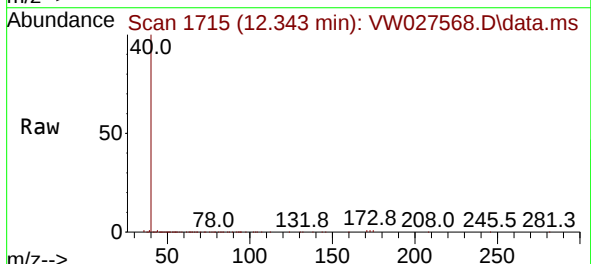
RT: 12.343 min Scan# 1715

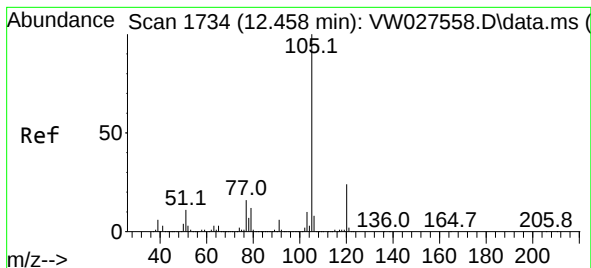
Delta R.T. -0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

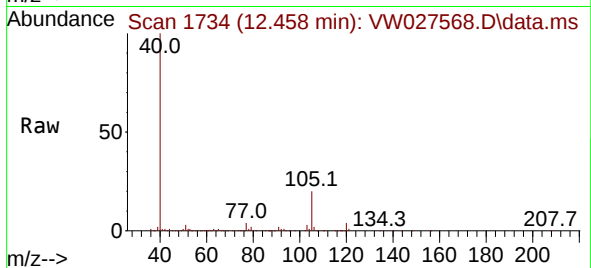
Tgt Ion:	173	Resp:	598
Ion Ratio	Lower	Upper	
173	100		
175	31.9	39.4	59.0#
254	0.0	7.8	11.8#





#60
Isopropylbenzene
Concen: 1.446 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

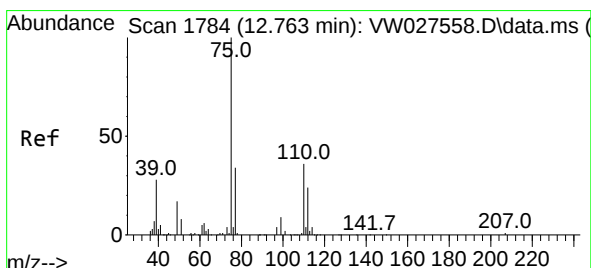
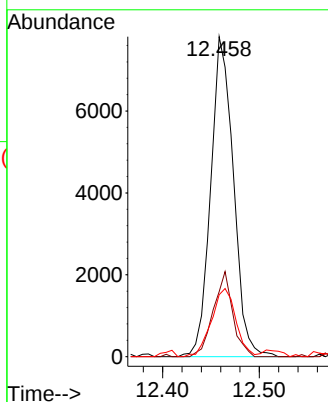
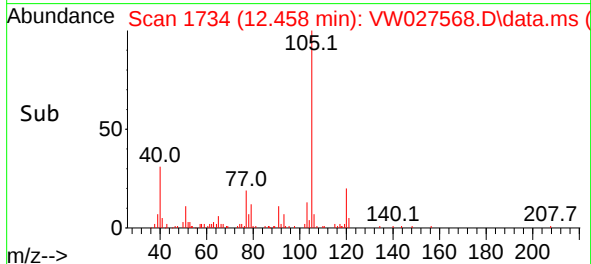


Tgt Ion:105 Resp: 1278
Ion Ratio Lower Upper
105 100
120 22.8 20.3 30.5
77 22.7 13.1 19.7

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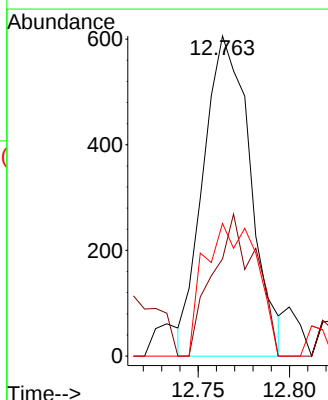
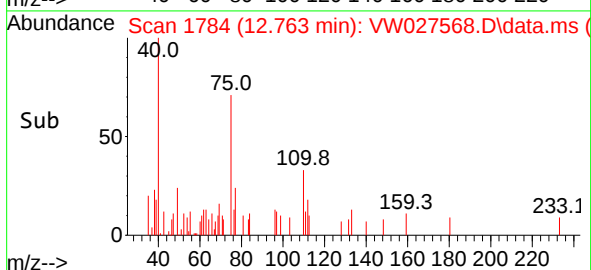
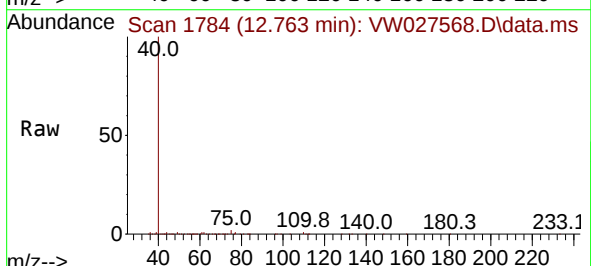
Reviewed By :Semsettin
Yesilyurt
12/11/2023

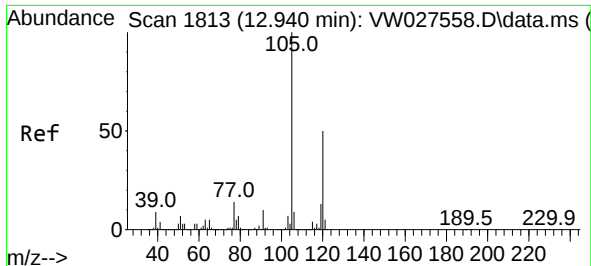
Supervised By :Mahesh
Dadoda
12/11/2023



#61
1,2,3-Trichloropropane
Concen: 0.842 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

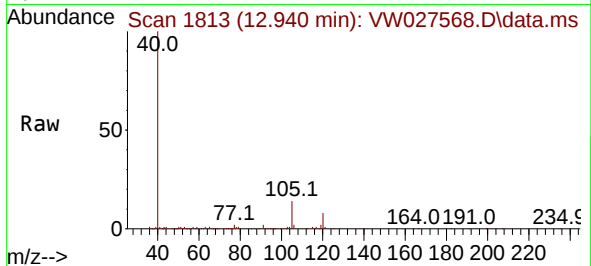
Tgt Ion: 75 Resp: 1088
Ion Ratio Lower Upper
75 100
77 40.5 26.6 39.8#
110 27.8 30.2 45.4#





#62
1,3,5-Trimethylbenzene
Concen: 1.308 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

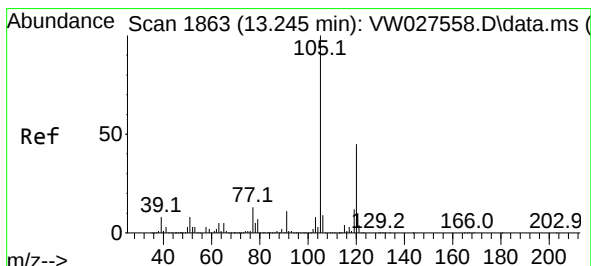
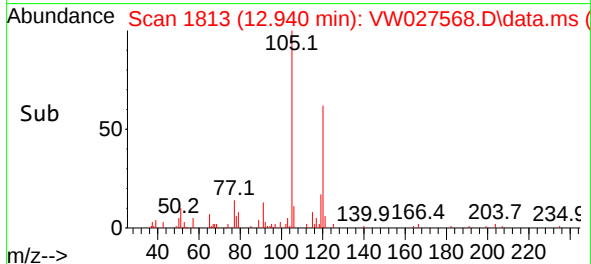
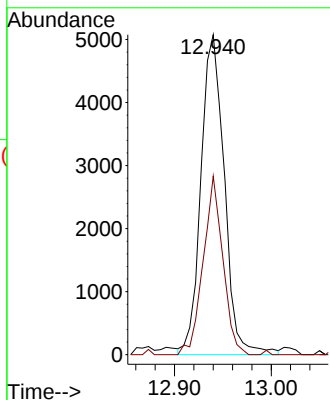
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion:105 Resp: 8554
Ion Ratio Lower Upper
105 100
120 47.0 38.7 58.1

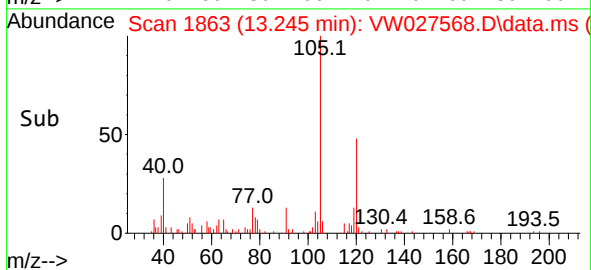
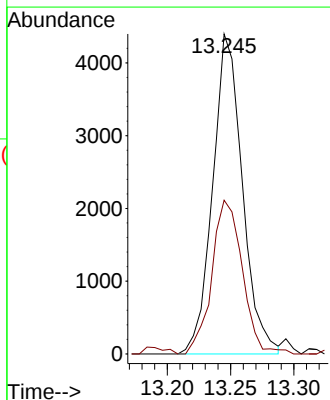
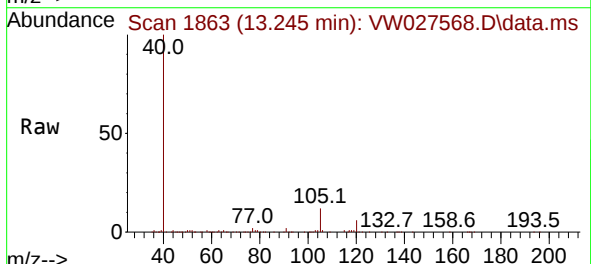
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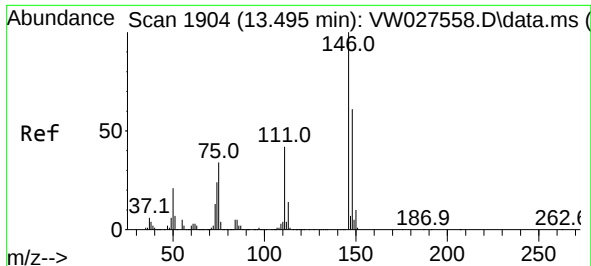
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023



#63
1,2,4-Trimethylbenzene
Concen: 1.101 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

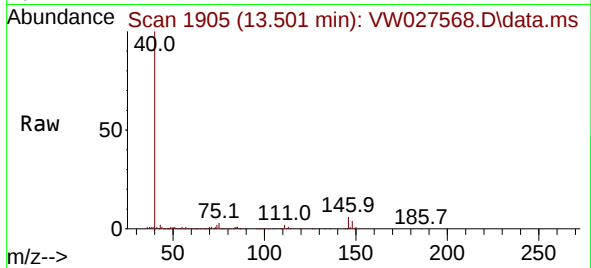
Tgt Ion:105 Resp: 7173
Ion Ratio Lower Upper
105 100
120 48.4 36.9 55.3





#64
1,3-Dichlorobenzene
Concen: 1.115 ug/L
RT: 13.501 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

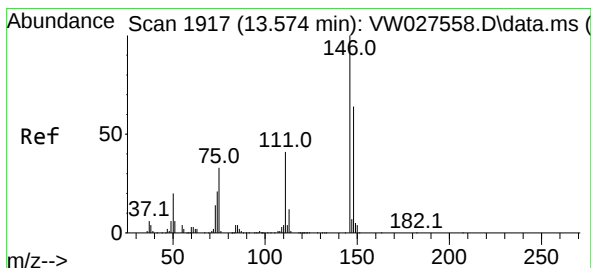
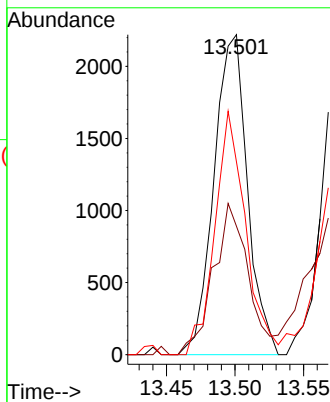
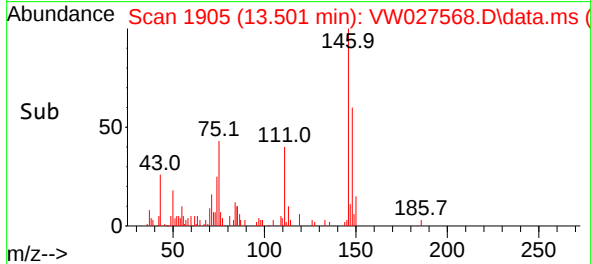


Tgt Ion:146 Resp: 3770
Ion Ratio Lower Upper
146 100
111 40.1 29.5 54.7
148 60.3 42.8 79.6

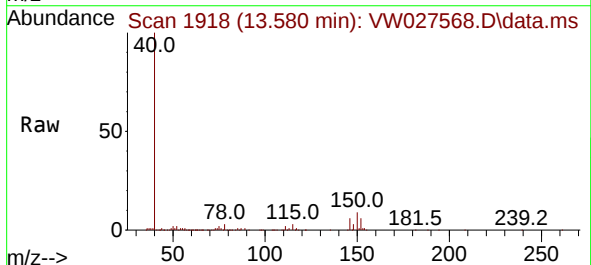
Manual Integrations
APPROVED

Reviewed By :Semsettin
Yesilyurt
12/11/2023

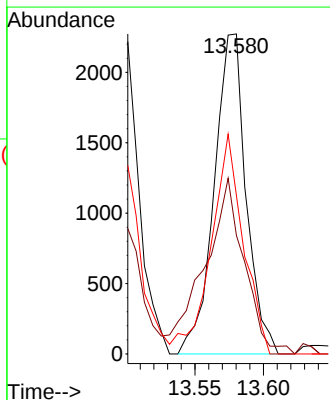
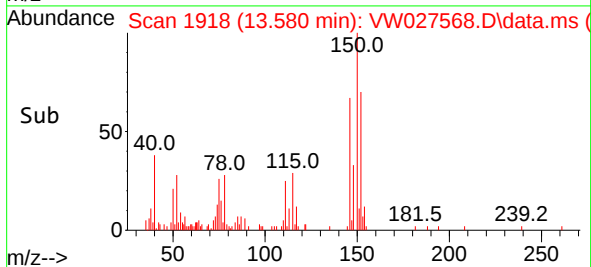
Supervised By :Mahesh
Dadoda
12/11/2023

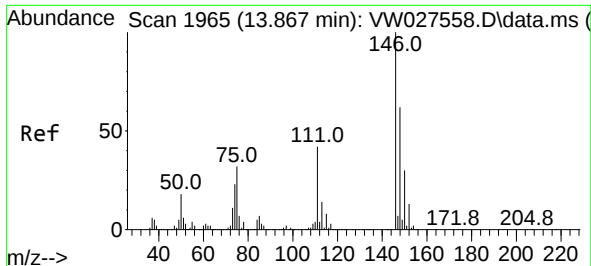


#65
1,4-Dichlorobenzene
Concen: 1.093 ug/L
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01



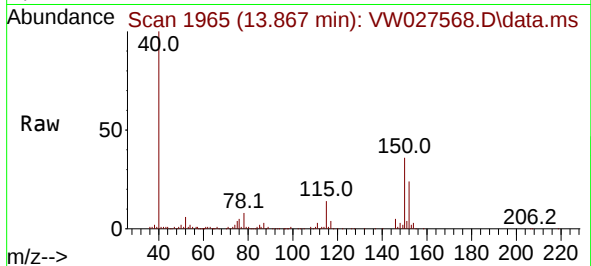
Tgt Ion:146 Resp: 3691
Ion Ratio Lower Upper
146 100
111 37.0 28.9 53.7
148 49.5 44.9 83.5





#67
1,2-Dichlorobenzene
Concen: 1.016 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

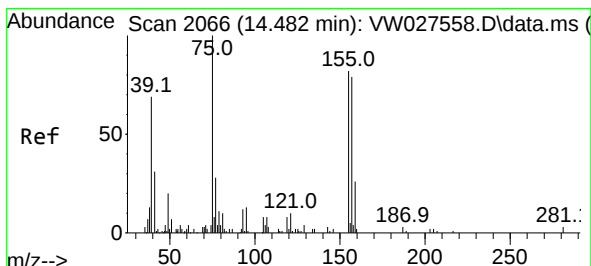
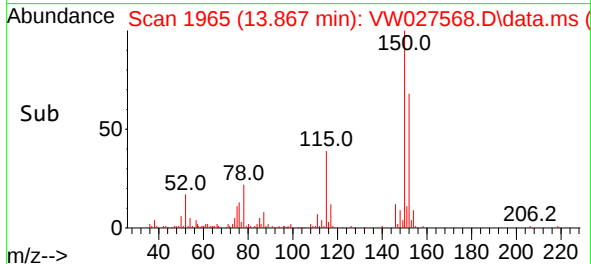
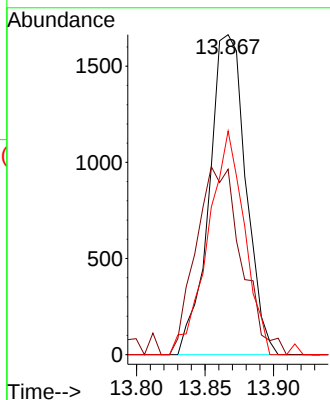
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:146 Resp: 3100
Ion Ratio Lower Upper
146 100
111 57.9 33.9 50.9
148 69.9 49.5 74.3

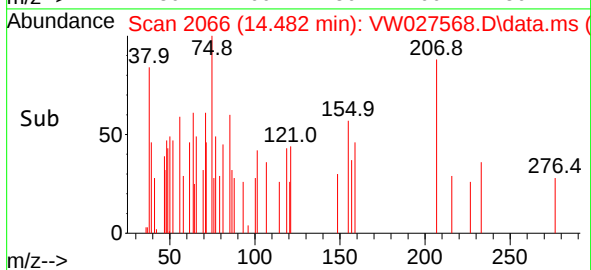
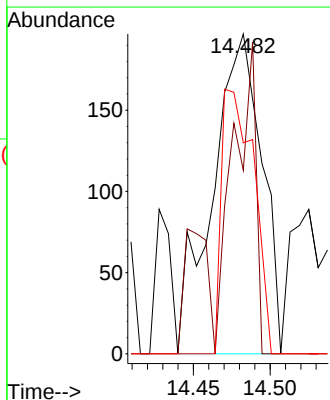
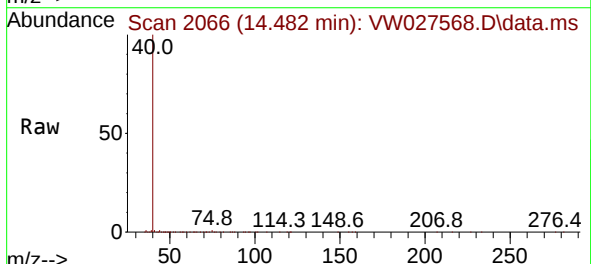
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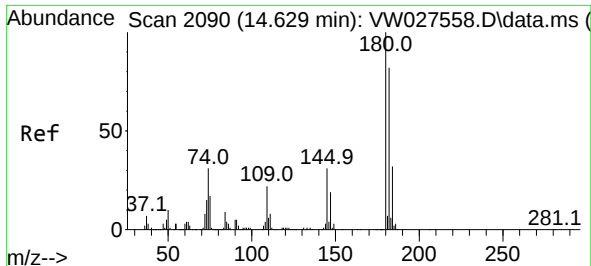
Reviewed By :Semsettin
Yesilyurt
12/11/2023
Supervised By :Mahesh
Dadoda
12/11/2023



#68
1,2-Dibromo-3-chloropropane
Concen: 1.419 ug/L m
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion: 75 Resp: 441
Ion Ratio Lower Upper
75 100
155 57.4 65.8 98.8#
157 66.0 63.0 94.6





#69

1,3,5-Trichlorobenzene

Concen: 0.951 ug/L

RT: 14.623 min Scan# 2090

Delta R.T. -0.006 min

Lab File: VW027568.D

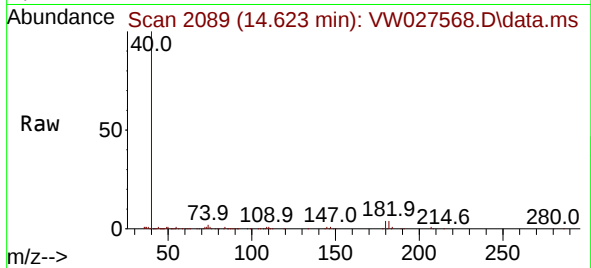
Acq: 06 Dec 2023 15:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion:180 Resp: 216

Ion Ratio Lower Upper

180 100

182 114.0 73.2 109.8

184 31.8 25.4 38.2

145 41.4 25.3 37.9

Manual Integrations

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Reviewed By :Semsettin

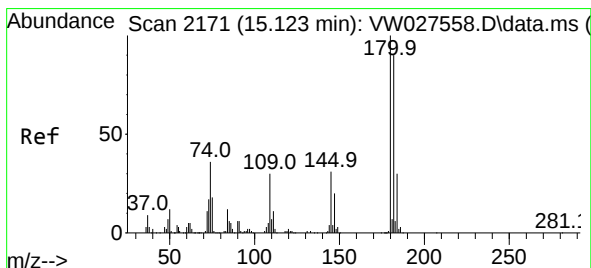
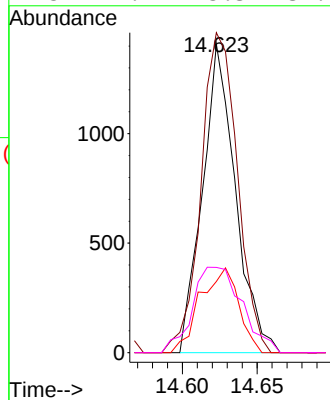
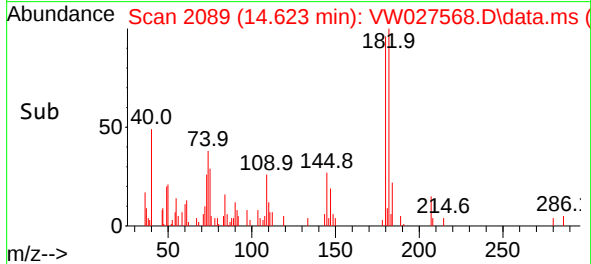
Yesilyurt

12/11/2023

Supervised By :Mahesh

Dadoda

12/11/2023



#70

1,2,4-trichlorobenzene

Concen: 1.110 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. 0.006 min

Lab File: VW027568.D

Acq: 06 Dec 2023 15:01

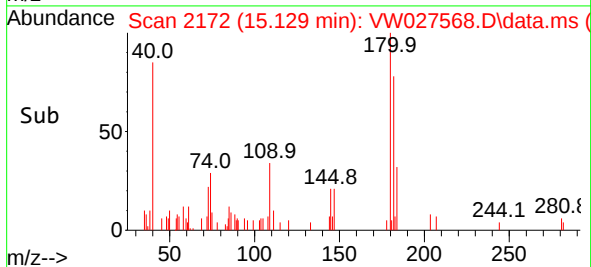
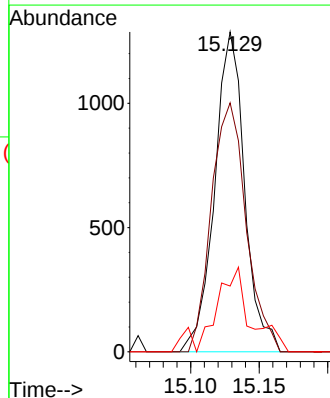
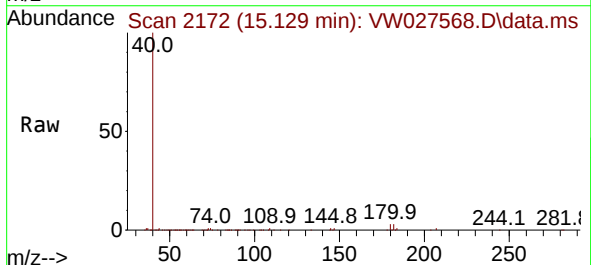
Tgt Ion:180 Resp: 1963

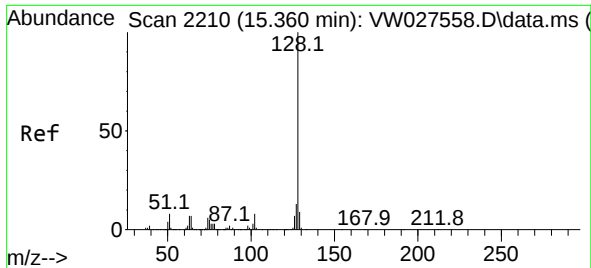
Ion Ratio Lower Upper

180 100

182 90.1 78.7 118.1

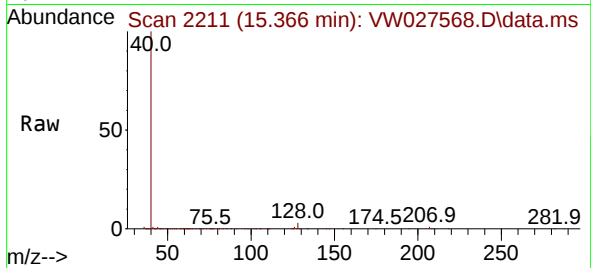
145 23.9 26.8 40.2





#71
Naphthalene
Concen: 0.673 ug/L
RT: 15.366 min Scan# 2110
Delta R.T. 0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07

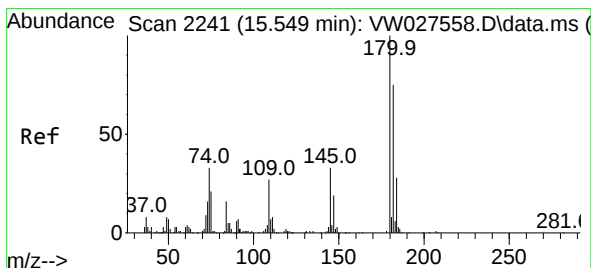
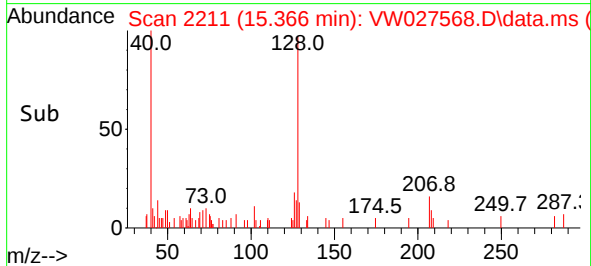
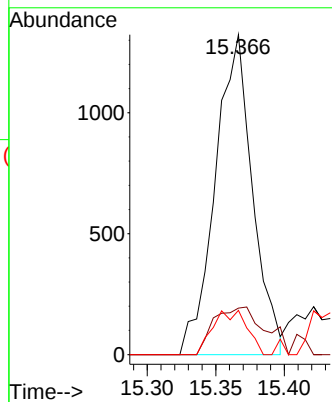


Tgt Ion:128 Resp: 2500
Ion Ratio Lower Upper
128 100
127 18.5 10.3 15.5
129 12.7 8.6 12.8

Manual Integrations
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Reviewed By :Semsettin
Yesilyurt
12/11/2023

Supervised By :Mahesh
Dadoda
12/11/2023



#72
1,2,3-Trichlorobenzene
Concen: 0.925 ug/L
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW027568.D
Acq: 06 Dec 2023 15:01

Tgt Ion:180 Resp: 1402
Ion Ratio Lower Upper
180 100
182 0.0 72.4 108.6#
145 21.0 27.4 41.0#

