

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071223\
 Data File : VW026603.D
 Acq On : 12 Jul 2023 10:49
 Operator : SY/MD
 Sample : 03573-03 1 PPB
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2023-05

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

Quant Time: Jul 13 04:48:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Thu Jul 13 04:40:12 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	617489	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	555292	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	259490	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	211778	20.332	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.320%
7) Chloroethane-d5	2.893	69	159338	21.801	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.200%
11) 1,1-Dichloroethene-d2	4.021	65	100153	20.475	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	81.920%
21) 2-Butanone-d5	7.075	46	149545	44.425	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.860%
24) Chloroform-d	7.648	84	395340	22.238	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	88.960%
26) 1,2-Dichloroethane-d4	8.307	65	235728m	23.748	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.000%
32) Benzene-d6	8.276	84	840427	22.047	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.200%
36) 1,2-Dichloropropane-d6	9.270	67	265150	22.621	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.480%
41) Toluene-d8	10.325	98	720060	22.024	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.080%
43) trans-1,3-Dichloroprop...	10.575	79	101884	21.691	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.760%
47) 2-Hexanone-d5	10.922	63	98480	43.058	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.120%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	220756	22.240	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	88.960%
66) 1,2-Dichlorobenzene-d4	13.848	152	227213	23.849	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.027	85	8964m	1.287	ug/L	
3) Chloromethane	2.216	50	12627	1.269	ug/L	90
5) Vinyl chloride	2.375	62	14713m	1.403	ug/L	
6) Bromomethane	2.789	94	7120	1.277	ug/L	91
8) Chloroethane	2.930	64	7449	1.270	ug/L	88
9) Trichlorofluoromethane	3.265	101	8260	1.063	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.064	101	14471m	1.678	ug/L	
12) 1,1-Dichloroethene	4.045	96	12910m	1.561	ug/L	
13) Acetone	4.124	43	9343m	3.859	ug/L	
14) Carbon disulfide	4.393	76	35157	1.212	ug/L	97
15) Methyl Acetate	4.673	43	7988m	1.373	ug/L	
16) Methylene chloride	4.917	84	22172	2.033	ug/L	92
17) trans-1,2-Dichloroethene	5.423	96	11322	1.280	ug/L	82
18) Methyl tert-butyl Ether	5.417	73	16282	1.176	ug/L #	79
19) 1,1-Dichloroethane	6.216	63	22713	1.284	ug/L	100
20) cis-1,2-Dichloroethene	7.173	96	11571	1.263	ug/L	99
22) 2-Butanone	7.173	43	14814m	4.018	ug/L	
23) Bromochloromethane	7.520	128	5084	1.296	ug/L #	83
25) Chloroform	7.673	83	20995	1.296	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	15938	1.397	ug/L #	93
29) Cyclohexane	7.959	56	18004	1.041	ug/L	98
30) 1,1,1-Trichloroethane	7.874	97	17222	1.265	ug/L	99
31) Carbon tetrachloride	8.069	117	15338	1.241	ug/L	98
33) Benzene	8.325	78	54343	1.420	ug/L	100
34) Trichloroethene	9.093	95	12472	1.269	ug/L	97
35) Methylcyclohexane	9.337	83	19185	1.087	ug/L	94
37) 1,2-Dichloropropane	9.367	63	13410	1.320	ug/L	98
38) Bromodichloromethane	9.642	83	14278	1.237	ug/L	94
39) cis-1,3-Dichloropropene	10.075	75	16840	1.151	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	17430	2.273	ug/L	96
42) Toluene	10.386	91	48118	1.245	ug/L	90
44) trans-1,3-Dichloropropene	10.605	75	14462m	1.172	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	9033	1.274	ug/L #	85
46) Tetrachloroethene	10.861	164	8493	1.217	ug/L	90
48) 2-Hexanone	10.965	43	14948m	2.793	ug/L	
49) Dibromochloromethane	11.123	129	9055	1.290	ug/L	100
50) 1,2-Dibromoethane	11.233	107	8569	1.282	ug/L #	95
51) Chlorobenzene	11.654	112	30299	1.279	ug/L	94
52) Ethylbenzene	11.727	91	49190	1.144	ug/L	99
53) m,p-Xylene	11.843	106	17487	1.117	ug/L	83
54) o-Xylene	12.166	106	15713	1.070	ug/L	92
55) Styrene	12.178	104	26197	1.057	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.708	83	11744	1.262	ug/L #	93
59) Bromoform	12.343	173	5183	1.263	ug/L #	97
60) Isopropylbenzene	12.458	105	40210	1.002	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	8654	1.235	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	31361	1.018	ug/L	99
63) 1,2,4-Trimethylbenzene	13.251	105	29526	0.967	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	20449	1.214	ug/L	99
65) 1,4-Dichlorobenzene	13.574	146	23199	1.381	ug/L	98
67) 1,2-Dichlorobenzene	13.867	146	20258	1.359	ug/L	89
68) 1,2-Dibromo-3-chloropr...	14.482	75	2241	1.343	ug/L #	76
69) 1,3,5-Trichlorobenzene	14.623	180	15251	1.368	ug/L	94
70) 1,2,4-trichlorobenzene	15.129	180	12058	1.318	ug/L	98
71) Naphthalene	15.360	128	22029	1.063	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	10337	1.200	ug/L	92

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

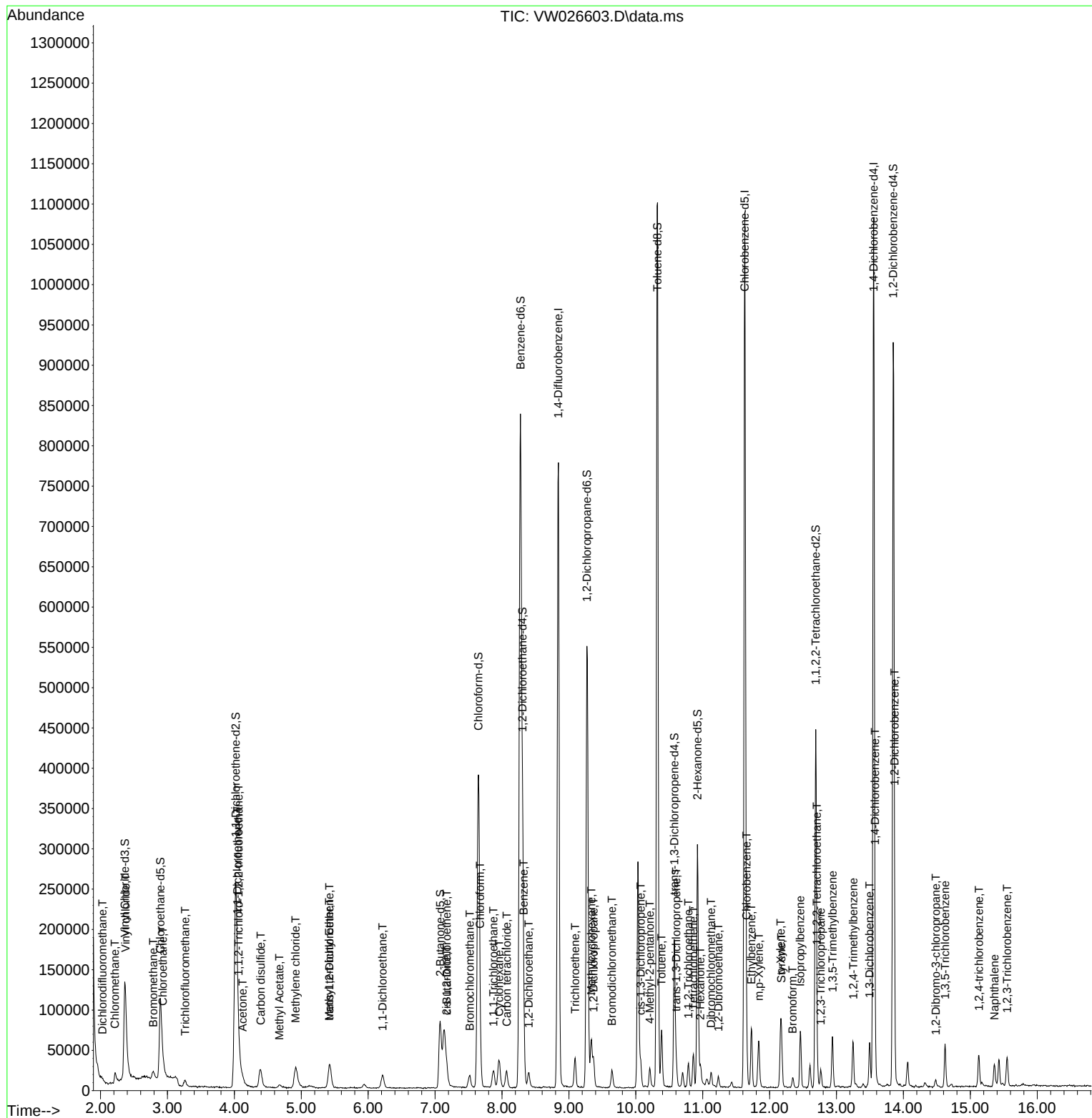
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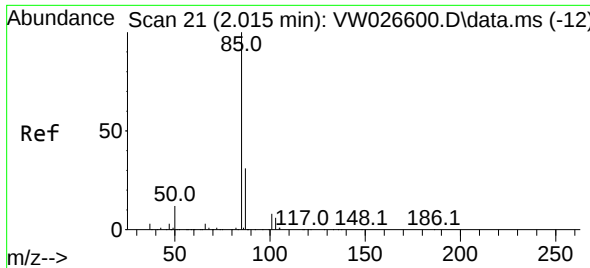
Instrument :
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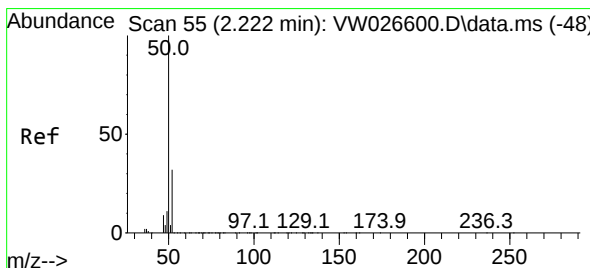
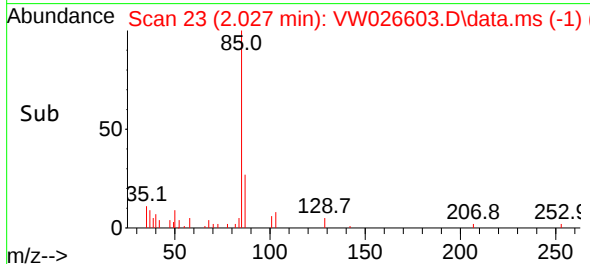
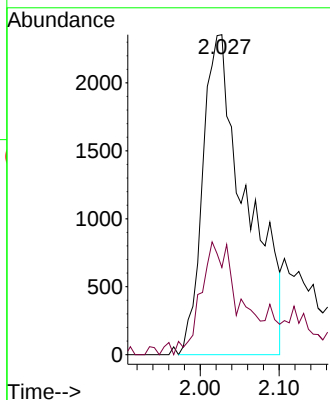
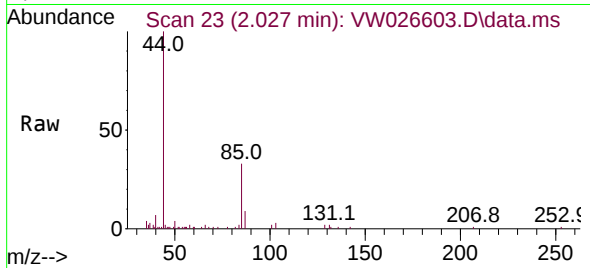
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Dichlorodifluoromethane
Concen: 1.287 ug/L m
RT: 2.027 min Scan# 21
Delta R.T. 0.012 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion: 85 Resp: 8964
Ion Ratio Lower Upper
85 100
87 6.5 21.4 32.0

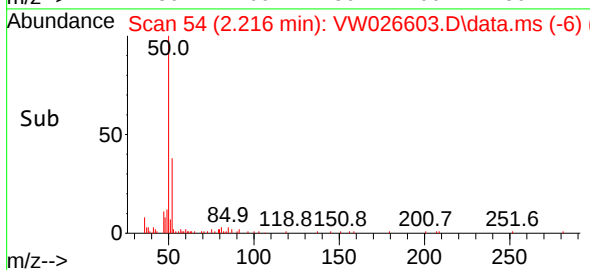
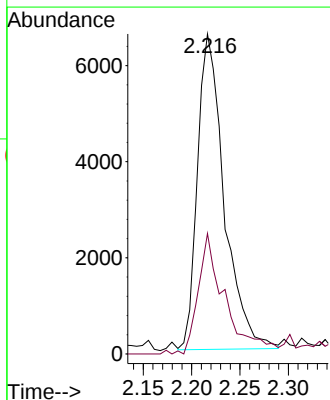
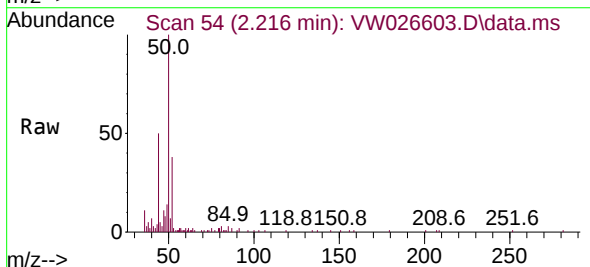
Manual Integrations
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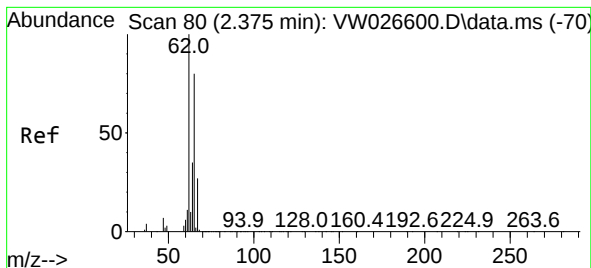
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#3
Chloromethane
Concen: 1.269 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Tgt Ion: 50 Resp: 12627
Ion Ratio Lower Upper
50 100
52 37.7 22.5 41.7





#5

Vinyl chloride

Concen: 1.403 ug/L m

RT: 2.375 min Scan# 80

Delta R.T. 0.000 min

Lab File: VW026603.D

Acq: 12 Jul 2023 10:49

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2023-05

Tgt Ion: 62 Resp: 1471

Ion Ratio Lower Upper

62 100

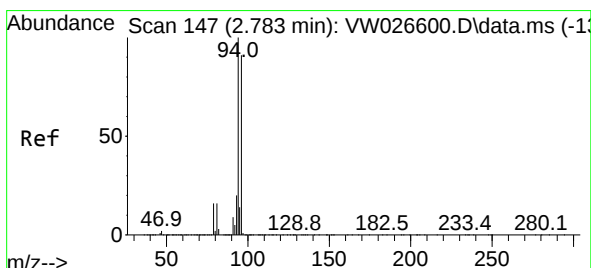
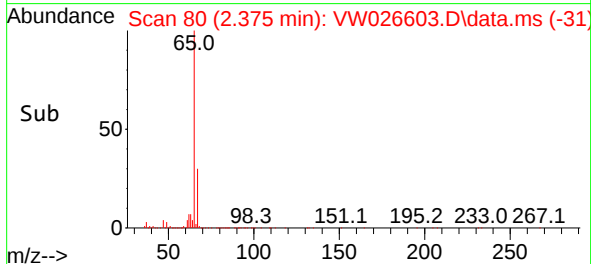
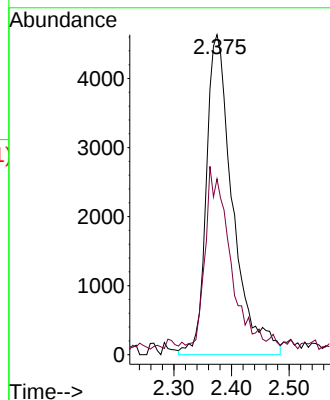
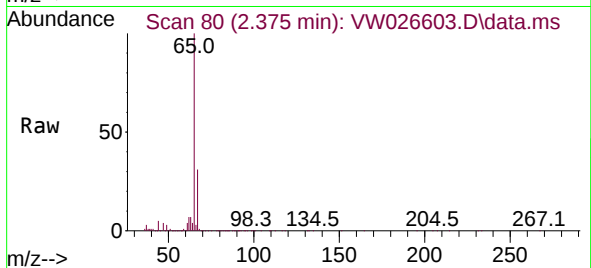
64 55.0 24.2 45.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#6

Bromomethane

Concen: 1.277 ug/L

RT: 2.789 min Scan# 148

Delta R.T. 0.006 min

Lab File: VW026603.D

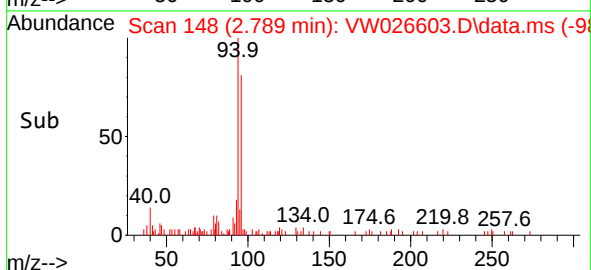
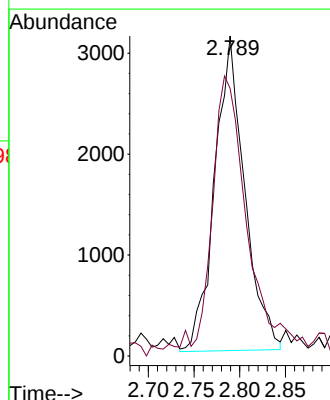
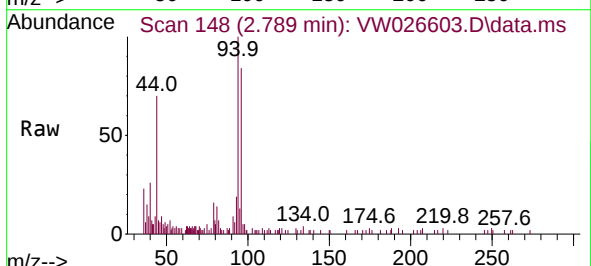
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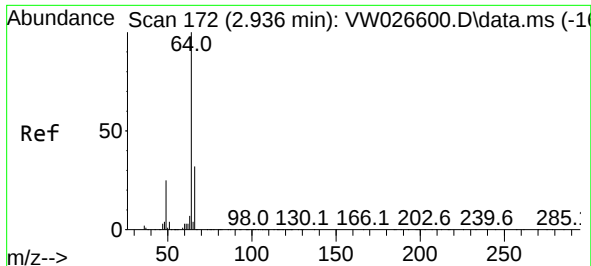
Tgt Ion: 94 Resp: 7120

Ion Ratio Lower Upper

94 100

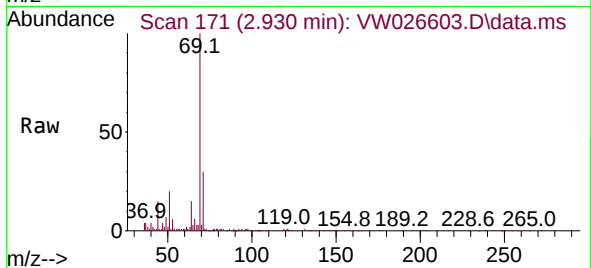
96 83.6 64.5 119.9





#8
Chloroethane
Concen: 1.270 ug/L
RT: 2.930 min Scan# 171
Delta R.T. -0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

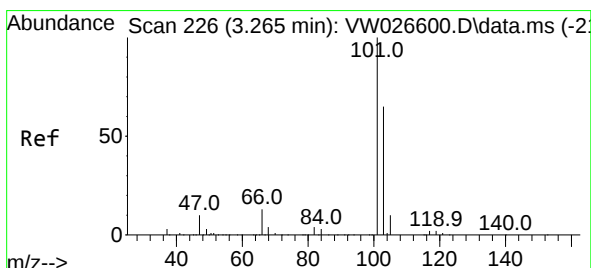
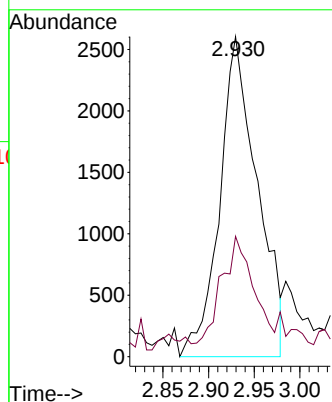
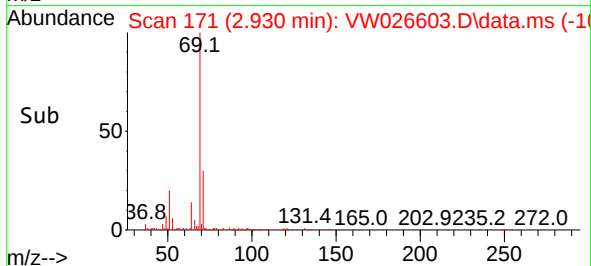
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion: 64 Resp: 7449
Ion Ratio Lower Upper
64 100
66 37.6 21.7 40.3

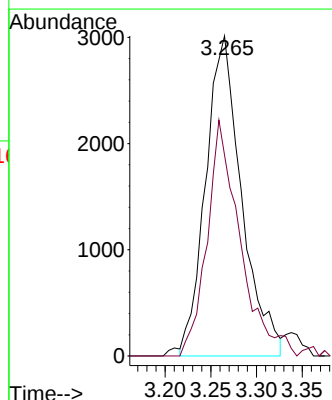
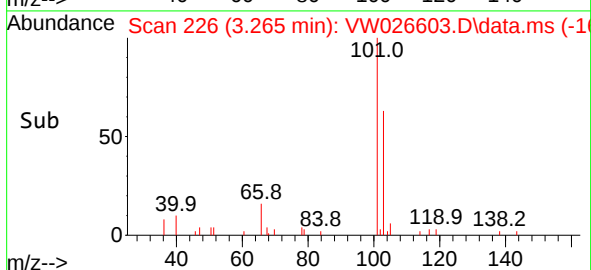
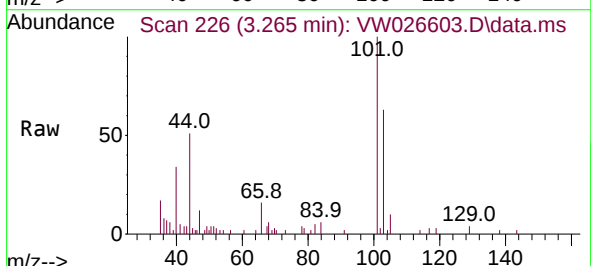
Manual Integrations
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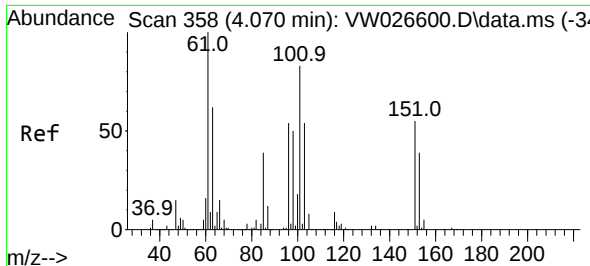
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#9
Trichlorofluoromethane
Concen: 1.063 ug/L
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Tgt Ion:101 Resp: 8260
Ion Ratio Lower Upper
101 100
103 65.6 50.3 75.5





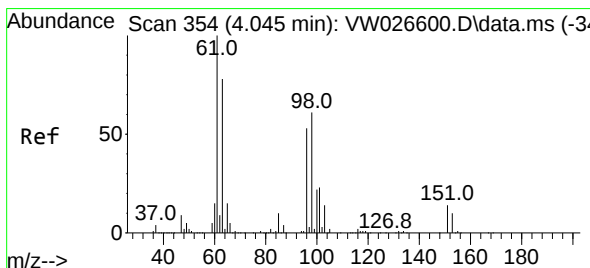
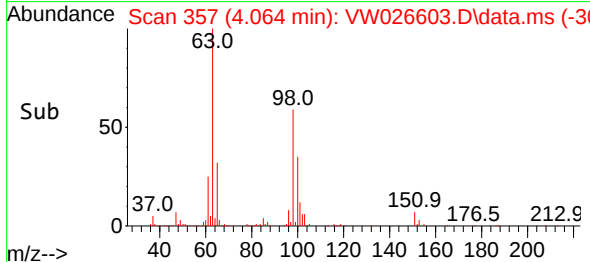
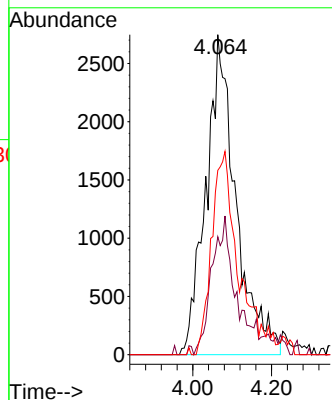
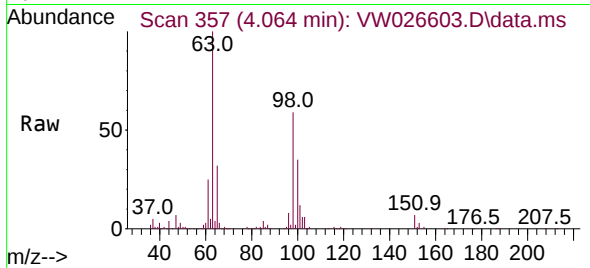
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.678 ug/L m
RT: 4.064 min Scan# 357
Delta R.T. -0.006 min
Lab File: VW026603.D
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MDL-SOIL-QT3-2023-05

Tgt Ion:101 Resp: 1447
Ion Ratio Lower Upper
101 100
85 14.2 36.1 54.1
151 0.0 55.9 83.9

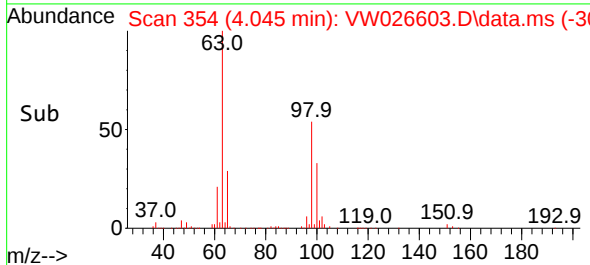
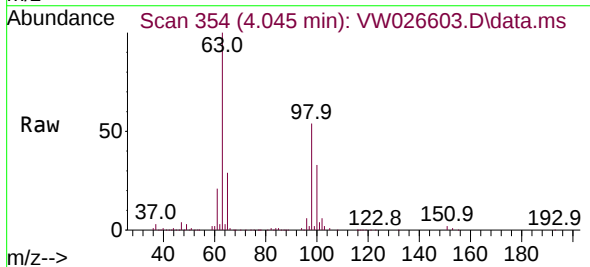
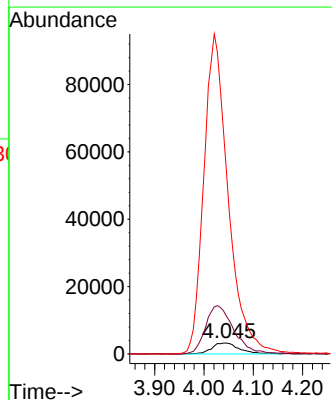
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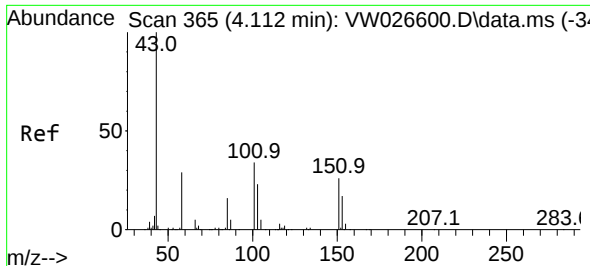
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#12
1,1-Dichloroethene
Concen: 1.561 ug/L m
RT: 4.045 min Scan# 354
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Tgt Ion: 96 Resp: 12910
Ion Ratio Lower Upper
96 100
61 349.3 140.8 261.4#
63 1692.1 127.7 237.3#





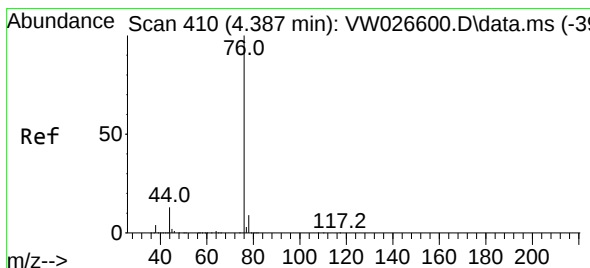
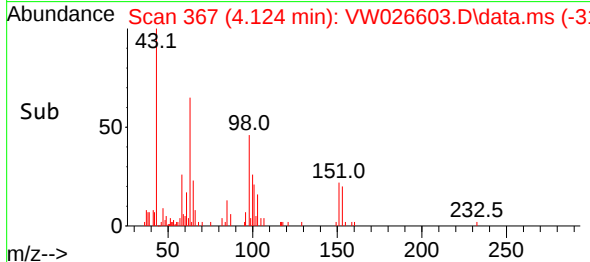
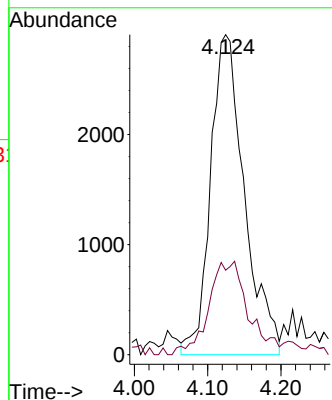
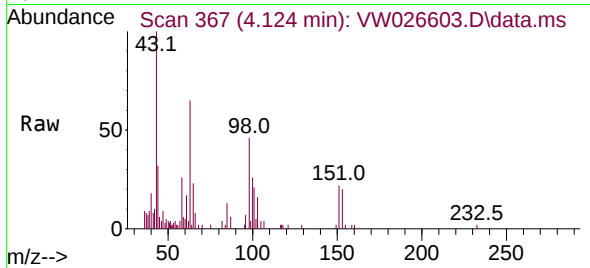
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Acetone
Concen: 3.859 ug/L m
RT: 4.124 min Scan# 367
Delta R.T. 0.012 min
Lab File: VW026603.D
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Tgt Ion: 43 Resp: 934
Ion Ratio Lower Upper
43 100
58 13.5 0.0 63.2

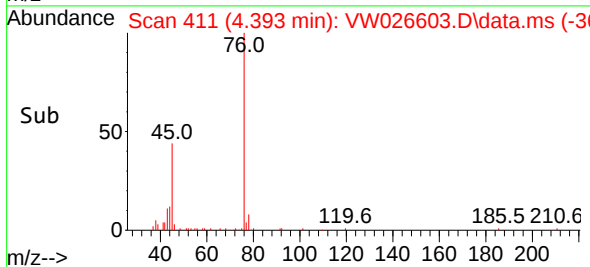
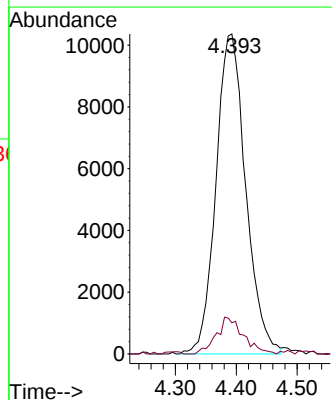
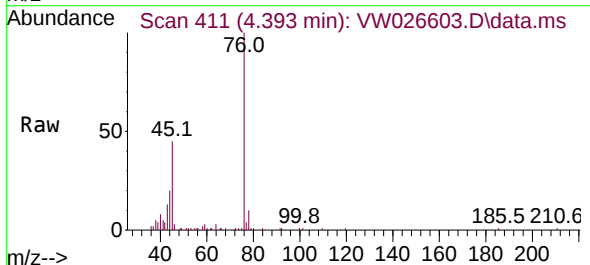
Manual Integrations
APPROVED

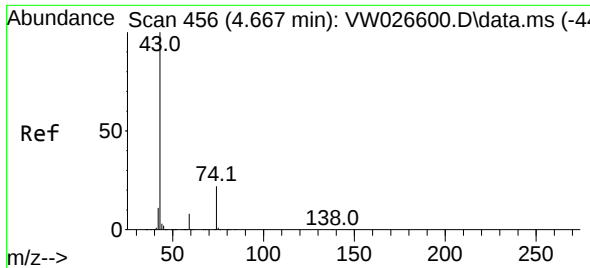
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#14
Carbon disulfide
Concen: 1.212 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Tgt Ion: 76 Resp: 35157
Ion Ratio Lower Upper
76 100
78 9.8 6.9 10.3





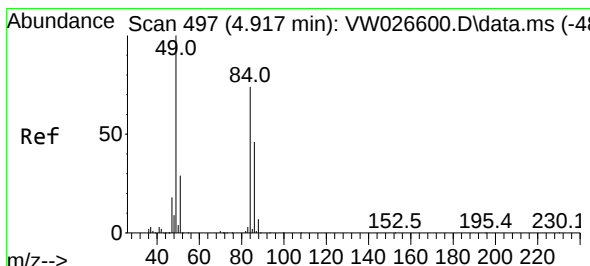
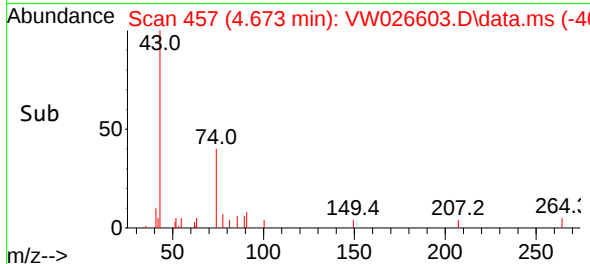
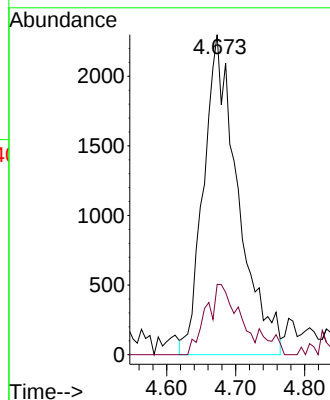
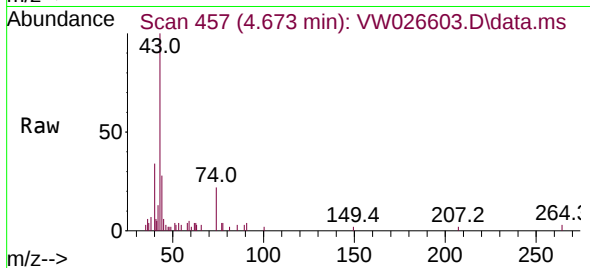
#15
Methyl Acetate
Concen: 1.373 ug/L m
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
74 0.3 16.3 24.5

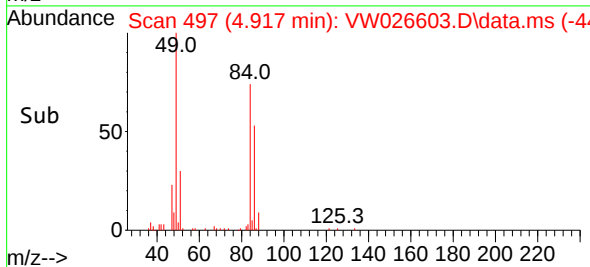
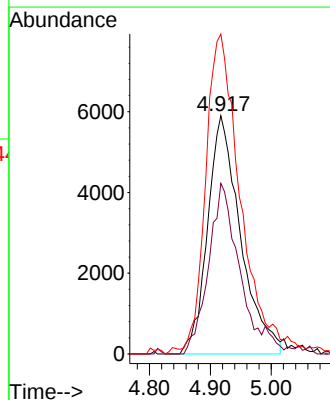
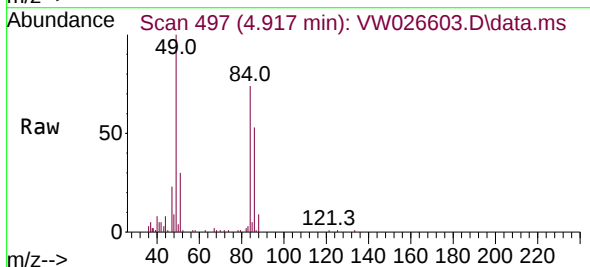
Manual Integrations
APPROVED

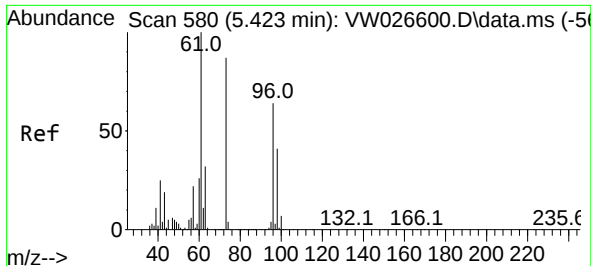
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#16
Methylene chloride
Concen: 2.033 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

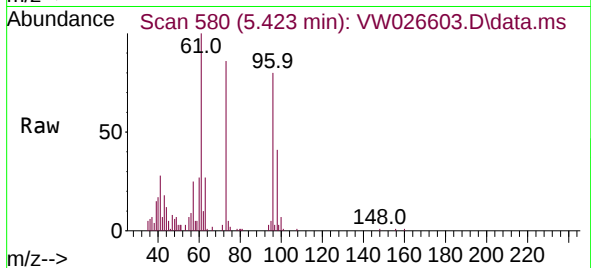
Tgt Ion: 84 Resp: 22172
Ion Ratio Lower Upper
84 100
86 71.6 43.8 81.3
49 134.3 99.2 184.2





#17
trans-1,2-Dichloroethene
Concen: 1.280 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

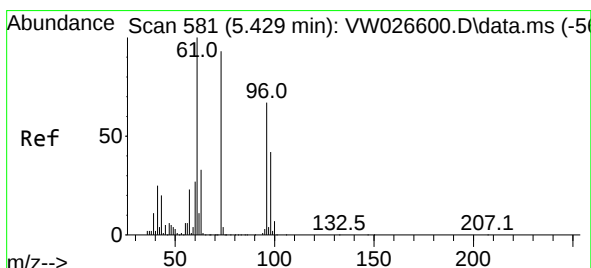
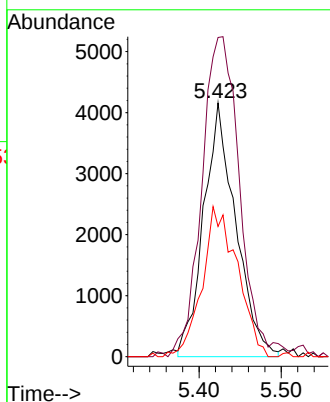
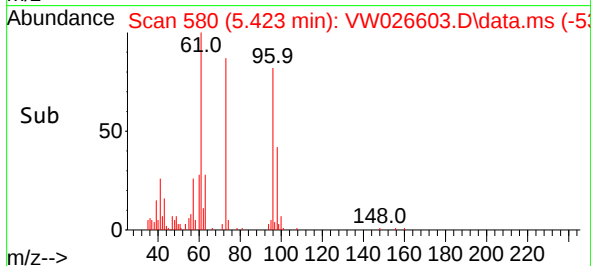
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion: 96 Resp: 1132
Ion Ratio Lower Upper
96 100
61 125.7 108.1 200.9
98 55.1 43.4 80.6

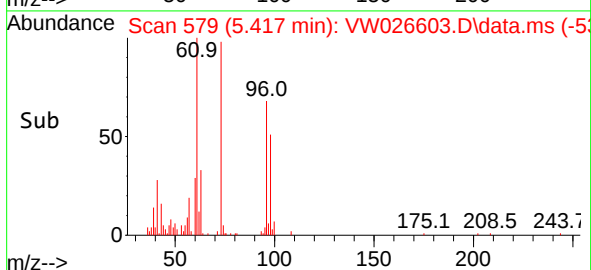
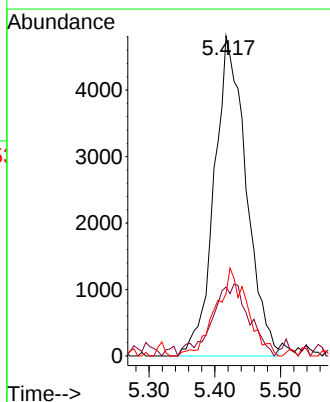
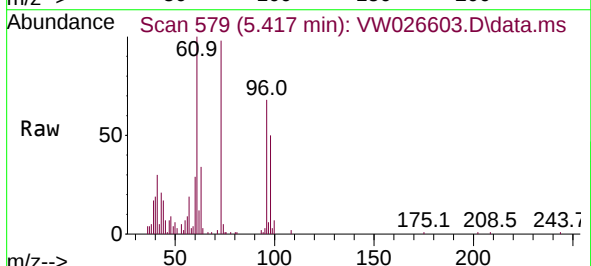
Manual Integrations
APPROVED

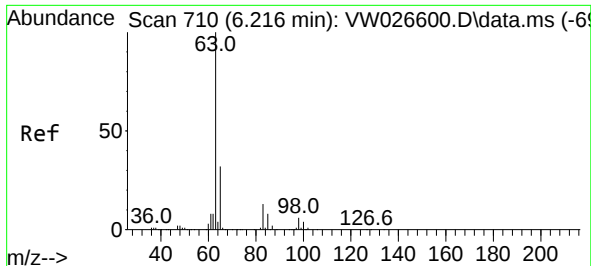
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#18
Methyl tert-butyl Ether
Concen: 1.176 ug/L
RT: 5.417 min Scan# 579
Delta R.T. -0.012 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Tgt Ion: 73 Resp: 16282
Ion Ratio Lower Upper
73 100
43 10.0 17.4 26.2#
57 15.8 19.3 28.9#





#19

1,1-Dichloroethane

Concen: 1.284 ug/L

RT: 6.216 min Scan# 710

Delta R.T. 0.000 min

Lab File: VW026603.D

Acq: 12 Jul 2023 10:49

Instrument :

MSVOA_W

ClientSampleId :

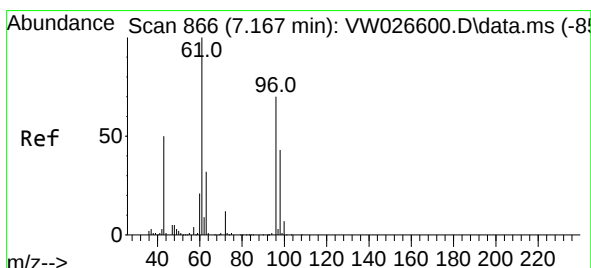
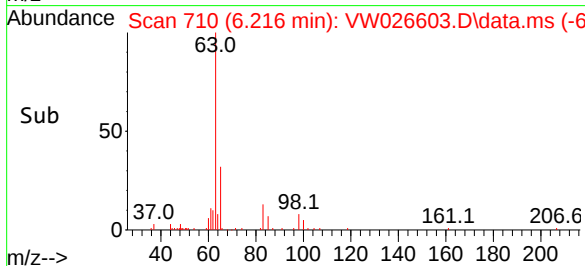
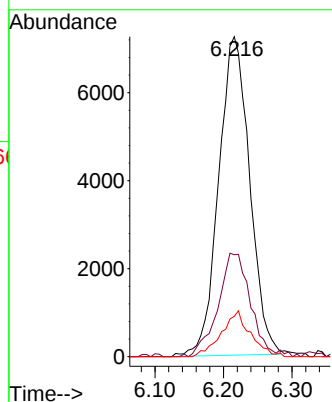
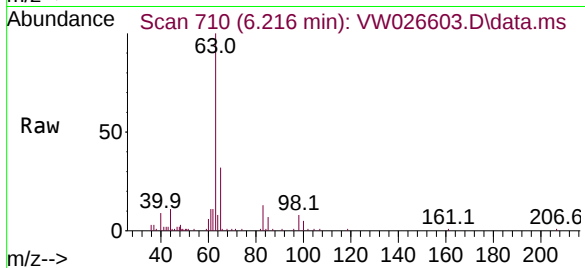
MDL-SOIL-QT3-2023-05

Tgt Ion:	63	Resp:	2271
Ion	Ratio	Lower	Upper
63	100		
65	31.9	22.3	41.5
83	12.6	8.8	16.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#20

cis-1,2-Dichloroethene

Concen: 1.263 ug/L

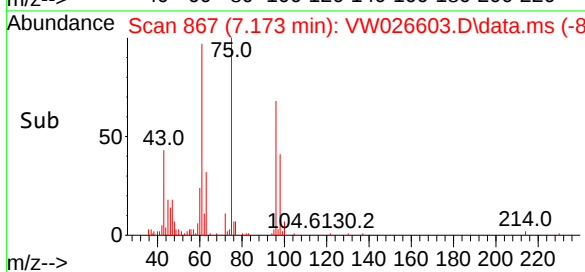
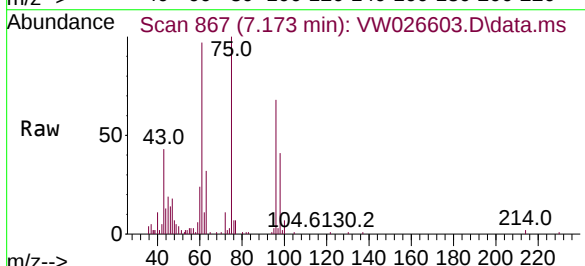
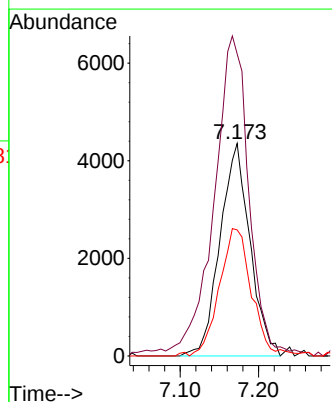
RT: 7.173 min Scan# 867

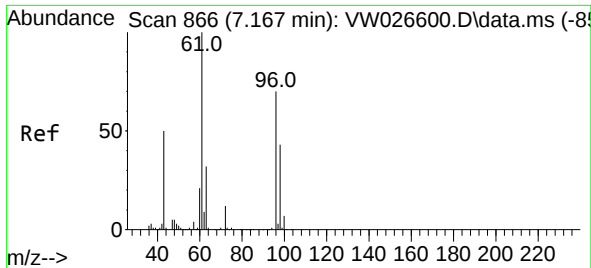
Delta R.T. 0.006 min

Lab File: VW026603.D

Acq: 12 Jul 2023 10:49

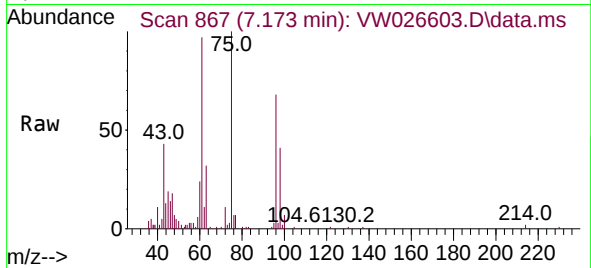
Tgt Ion:	96	Resp:	11571
Ion	Ratio	Lower	Upper
96	100		
61	142.2	98.8	183.6
98	59.3	42.4	78.6





#22
2-Butanone
Concen: 4.018 ug/L m
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

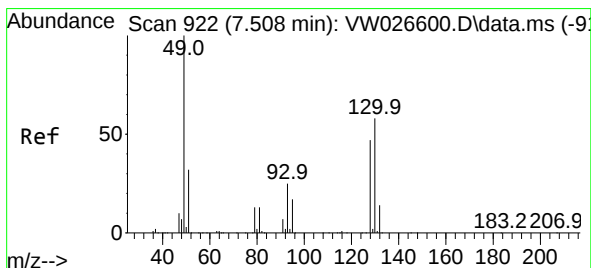
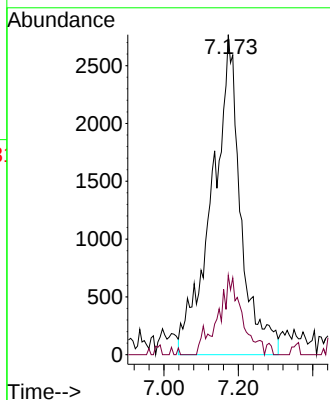
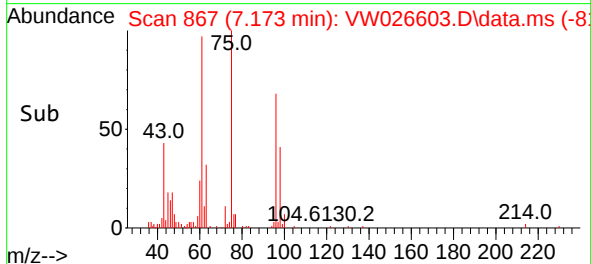
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



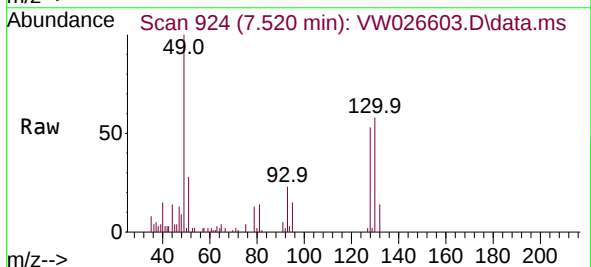
Tgt Ion: 43 Resp: 14814
Ion Ratio Lower Upper
43 100
72 0.6 11.9 35.5

Manual Integrations
APPROVED

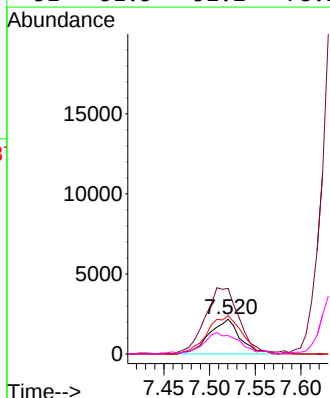
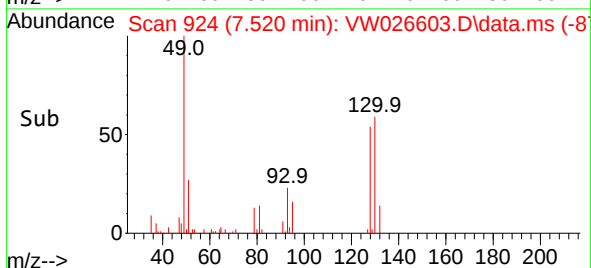
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

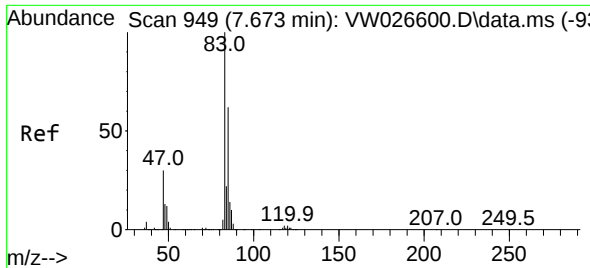


#23
Bromochloromethane
Concen: 1.296 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.012 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49



Tgt Ion:128 Resp: 5084
Ion Ratio Lower Upper
128 100
49 183.3 142.1 263.9
130 107.1 92.9 172.5
51 51.5 52.2 78.2





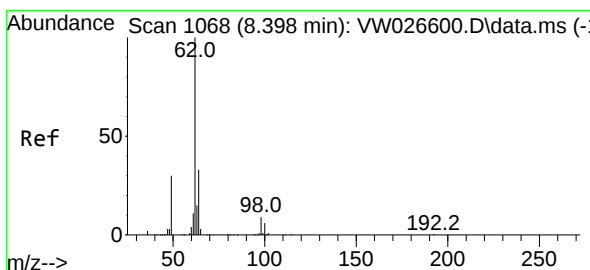
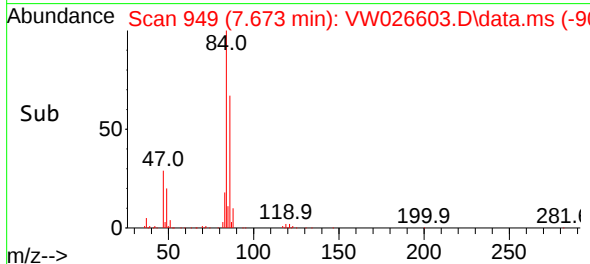
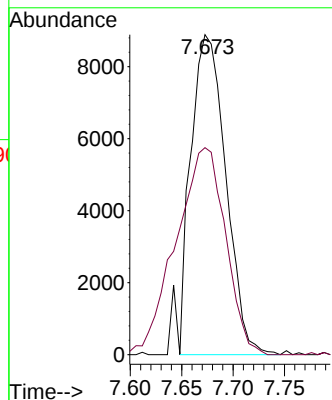
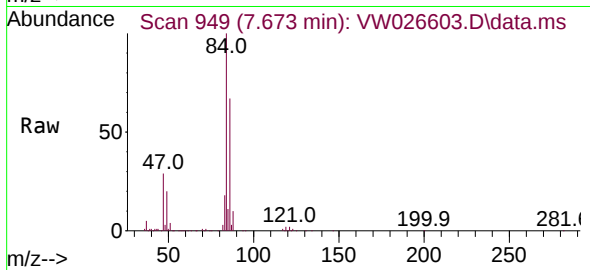
#25
Chloroform
Concen: 1.296 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion: 83 Resp: 2099
Ion Ratio Lower Upper
83 100
85 64.7 45.7 84.9

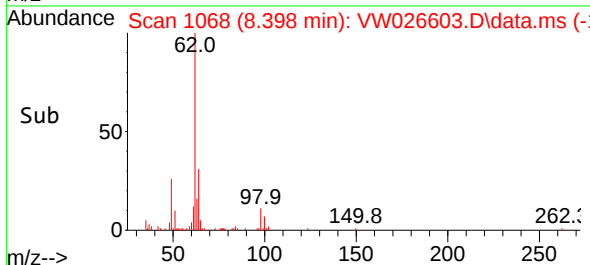
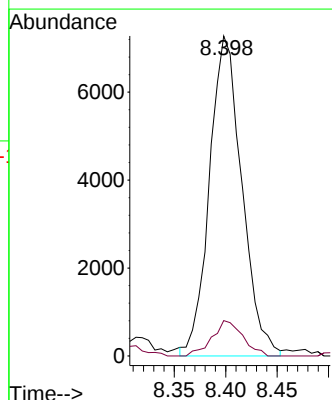
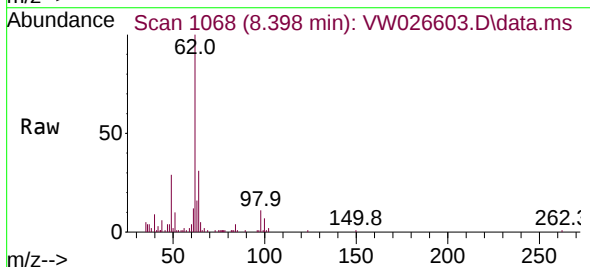
Manual Integrations
APPROVED

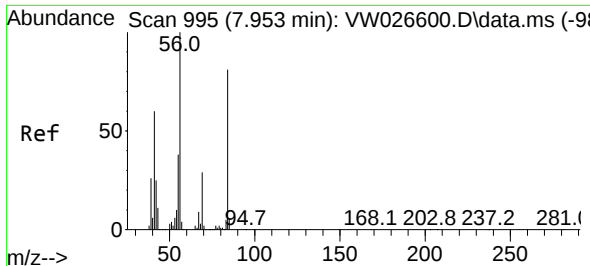
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#27
1,2-Dichloroethane
Concen: 1.397 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

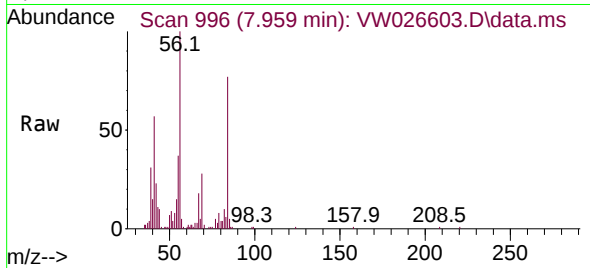
Tgt Ion: 62 Resp: 15938
Ion Ratio Lower Upper
62 100
98 11.0 6.7 10.1#





#29
Cyclohexane
Concen: 1.041 ug/L
RT: 7.959 min Scan# 995
Delta R.T. 0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

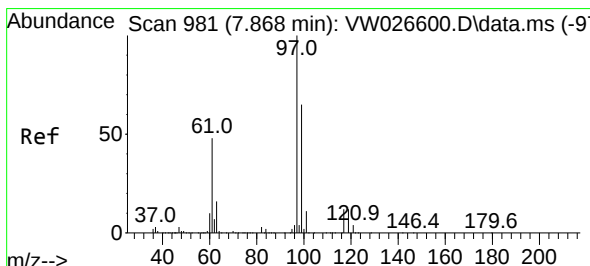
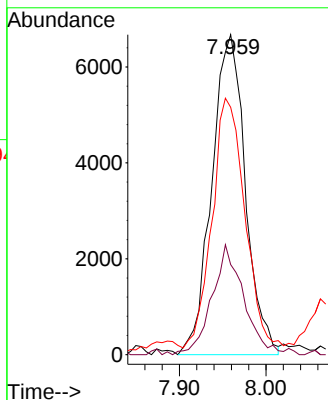
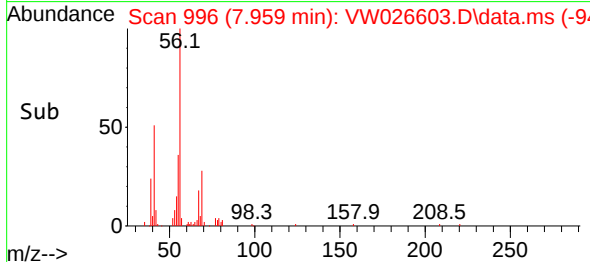
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion: 56 Resp: 18004
Ion Ratio Lower Upper
56 100
69 32.2 23.4 35.0
84 78.7 62.6 94.0

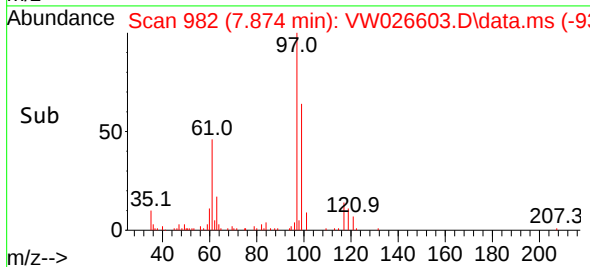
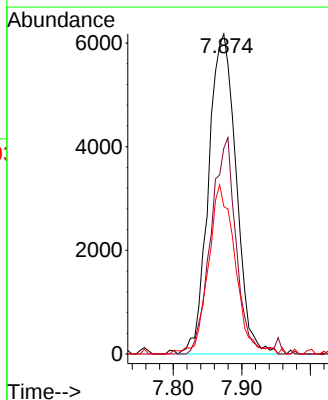
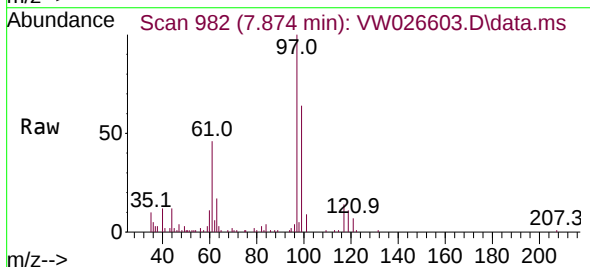
Manual Integrations
APPROVED

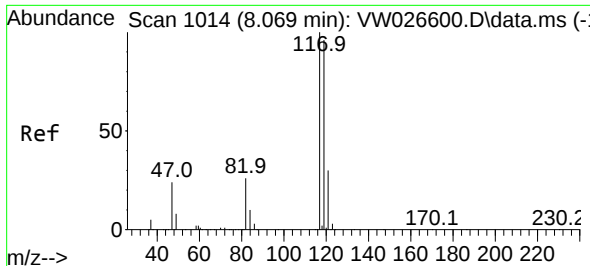
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#30
1,1,1-Trichloroethane
Concen: 1.265 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

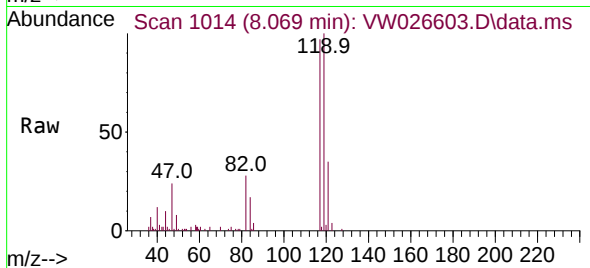
Tgt Ion: 97 Resp: 17222
Ion Ratio Lower Upper
97 100
99 61.2 49.9 74.9
61 50.1 39.8 59.8





#31
Carbon tetrachloride
Concen: 1.241 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

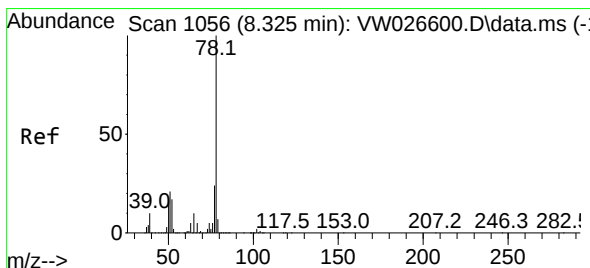
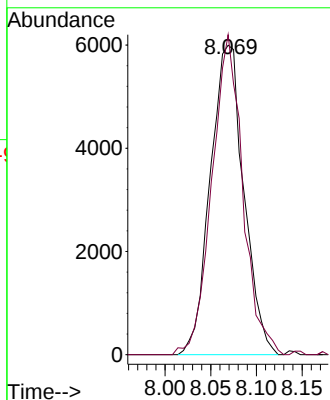
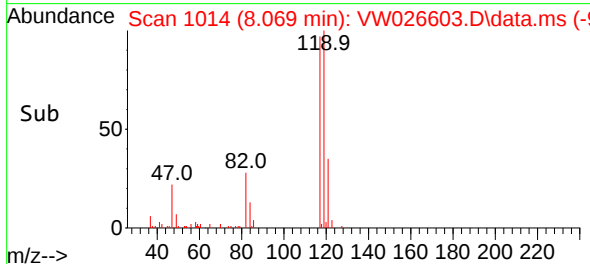
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion:117 Resp: 15338
Ion Ratio Lower Upper
117 100
119 94.9 77.1 115.7

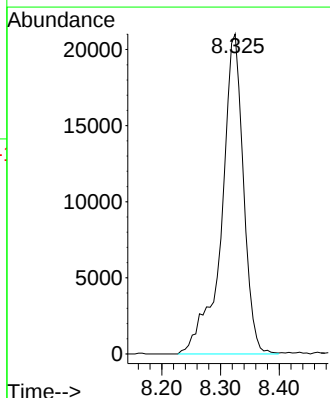
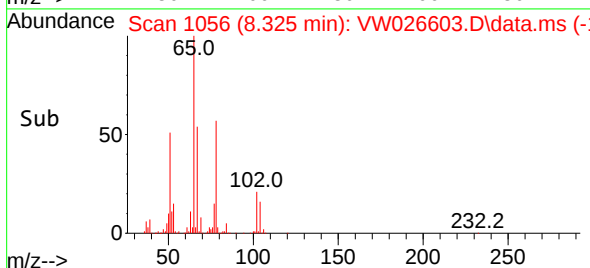
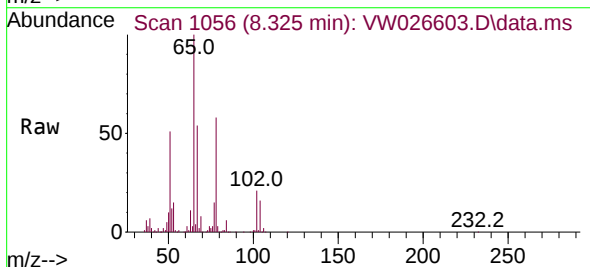
Manual Integrations
APPROVED

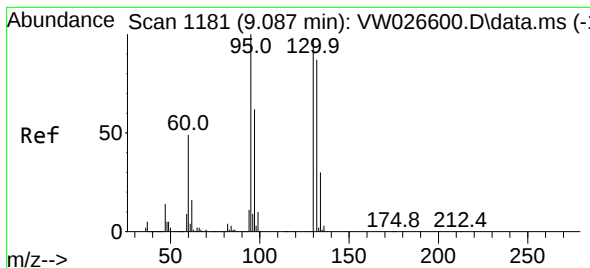
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#33
Benzene
Concen: 1.420 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Tgt Ion: 78 Resp: 54343





#34

Trichloroethene

Concen: 1.269 ug/L

RT: 9.093 min Scan# 1181

Delta R.T. 0.006 min

Lab File: VW026603.D

Acq: 12 Jul 2023 10:49

Instrument :

MSVOA_W

ClientSampleId :

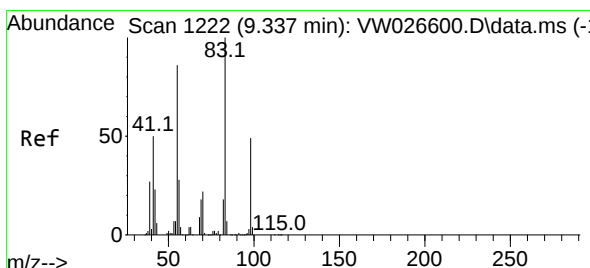
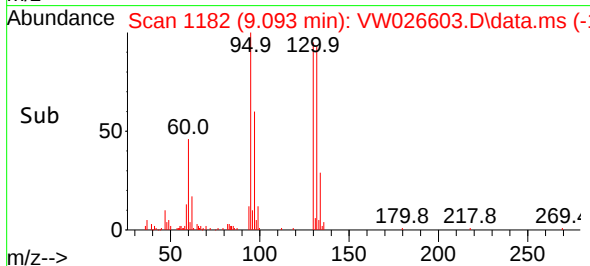
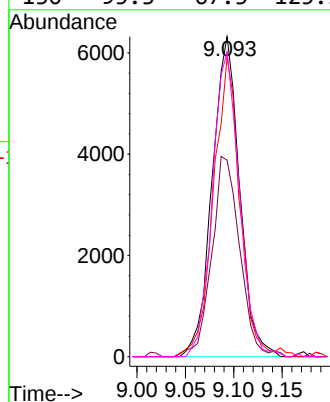
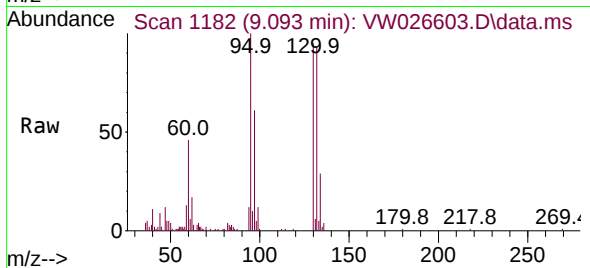
MDL-SOIL-QT3-2023-05

Tgt Ion:	95	Resp:	1247
Ion	Ratio	Lower	Upper
95	100		
97	61.4	47.9	88.9
132	93.4	65.0	120.8
130	95.3	67.3	125.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#35

Methylcyclohexane

Concen: 1.087 ug/L

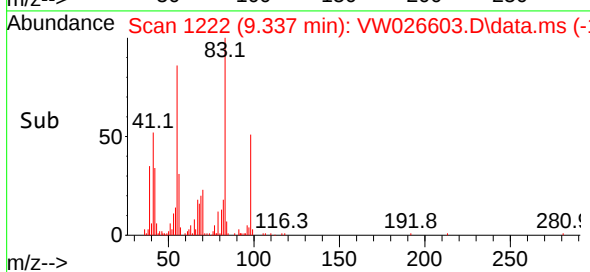
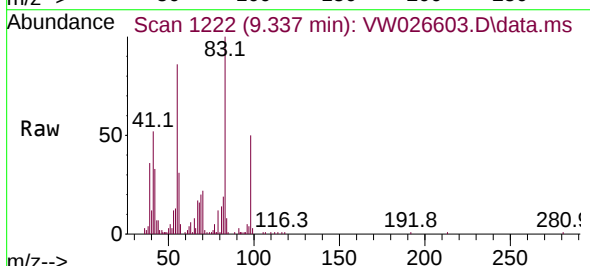
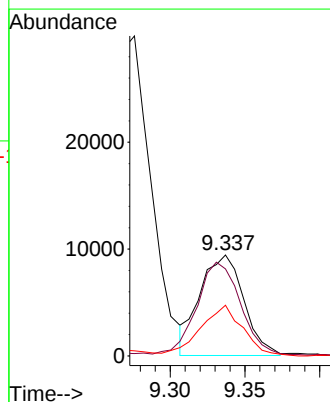
RT: 9.337 min Scan# 1222

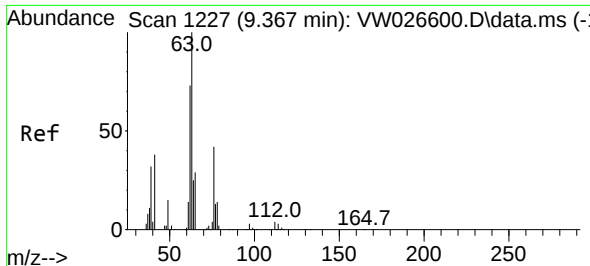
Delta R.T. 0.000 min

Lab File: VW026603.D

Acq: 12 Jul 2023 10:49

Tgt Ion:	83	Resp:	19185
Ion	Ratio	Lower	Upper
83	100		
55	93.6	68.7	103.1
98	48.5	37.3	55.9





#37

1,2-Dichloropropane

Concen: 1.320 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. 0.000 min

Lab File: VW026603.D

Acq: 12 Jul 2023 10:49

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2023-05

Tgt Ion: 63 Resp: 13410

Ion Ratio Lower Upper

63 100

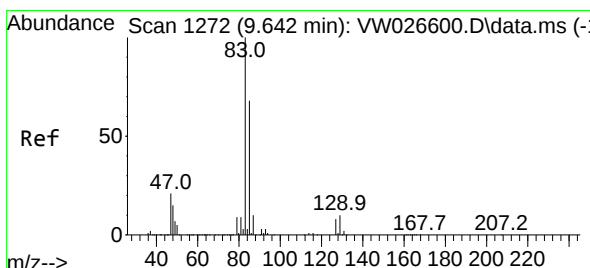
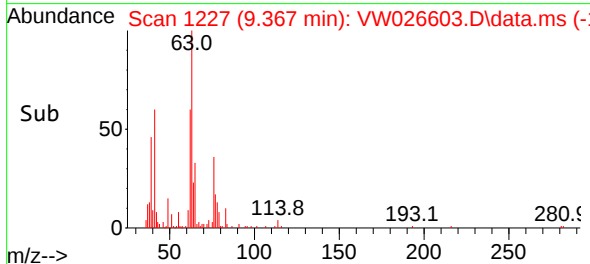
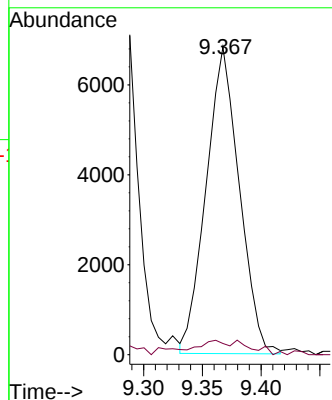
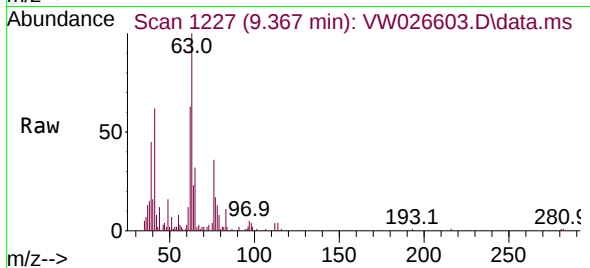
112 3.5 3.4 5.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#38

Bromodichloromethane

Concen: 1.237 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW026603.D

Acq: 12 Jul 2023 10:49

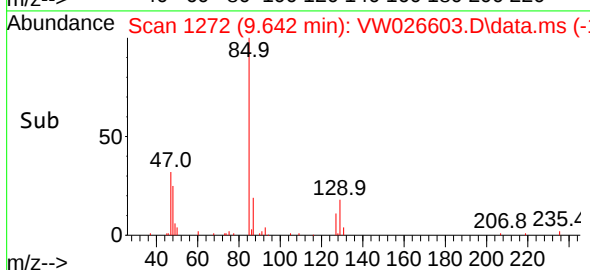
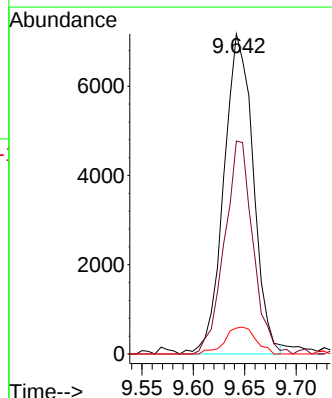
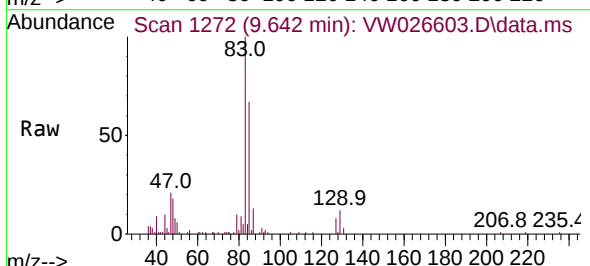
Tgt Ion: 83 Resp: 14278

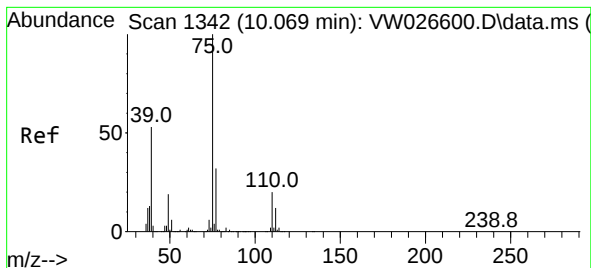
Ion Ratio Lower Upper

83 100

85 66.6 43.3 80.3

127 8.1 6.6 10.0





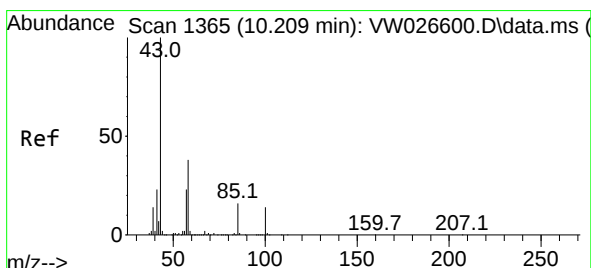
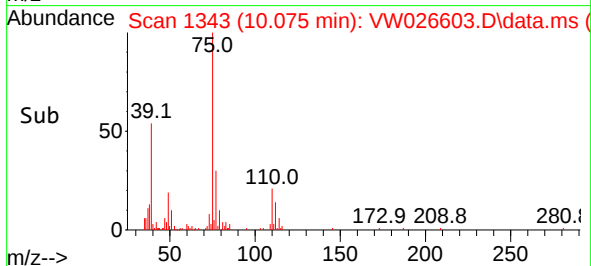
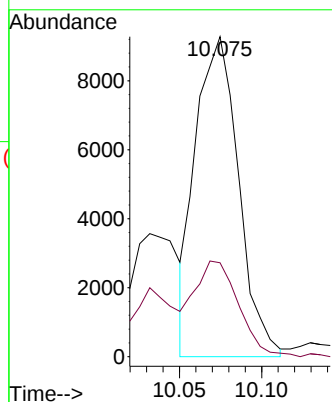
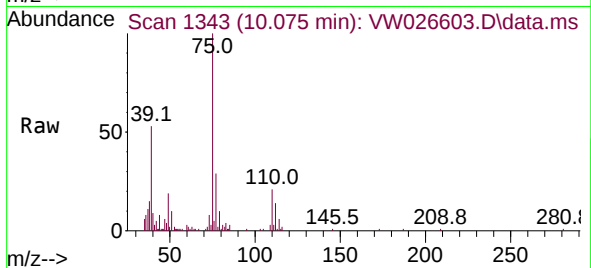
#39
cis-1,3-Dichloropropene
Concen: 1.151 ug/L
RT: 10.075 min Scan# 1342
Delta R.T. 0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion: 75 Resp: 16840
Ion Ratio Lower Upper
75 100
77 29.4 21.4 39.8

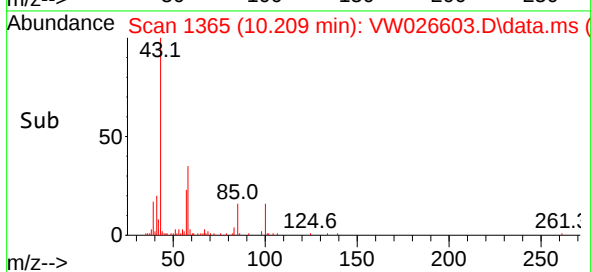
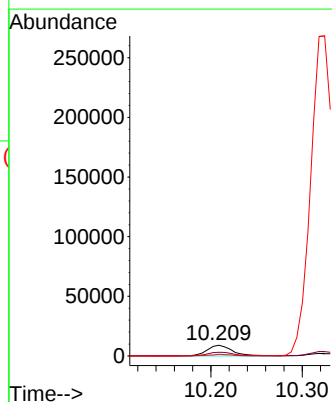
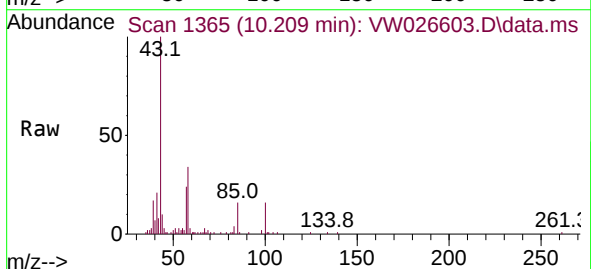
Manual Integrations
APPROVED

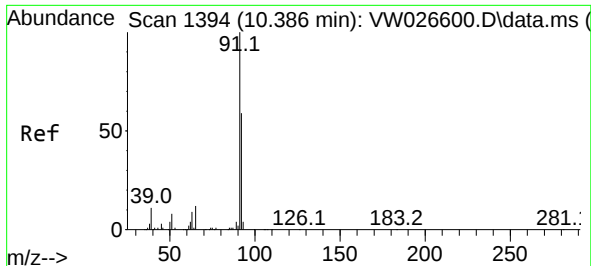
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#40
4-Methyl-2-pentanone
Concen: 2.273 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

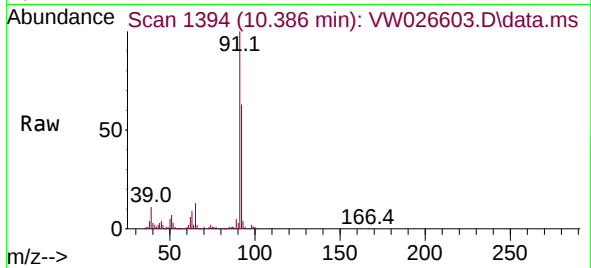
Tgt Ion: 43 Resp: 17430
Ion Ratio Lower Upper
43 100
58 34.5 29.8 44.8
100 14.6 10.7 16.1





#42
Toluene
Concen: 1.245 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

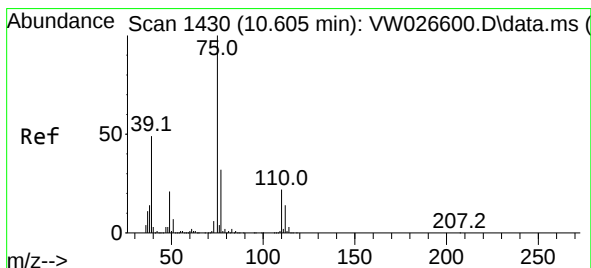
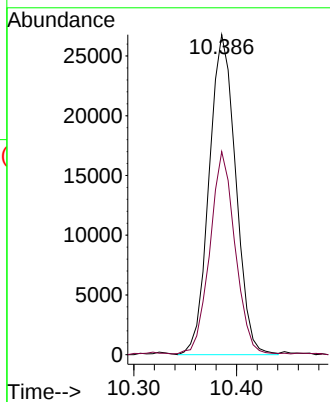
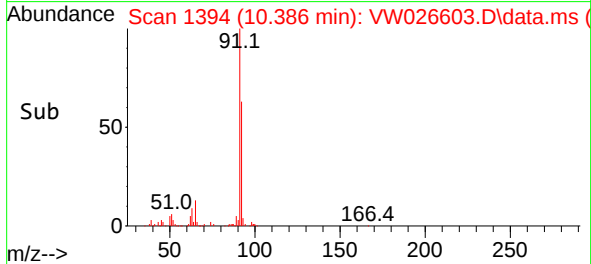
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion: 91 Resp: 48118
Ion Ratio Lower Upper
91 100
92 63.4 39.5 73.3

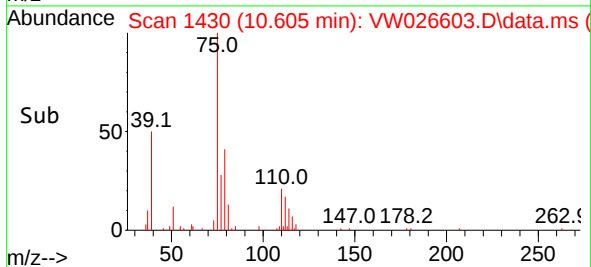
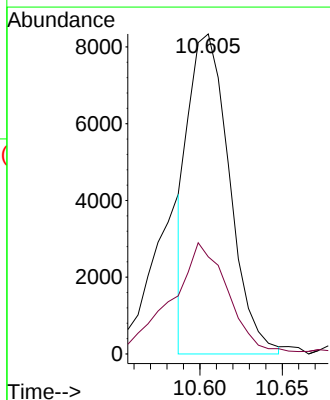
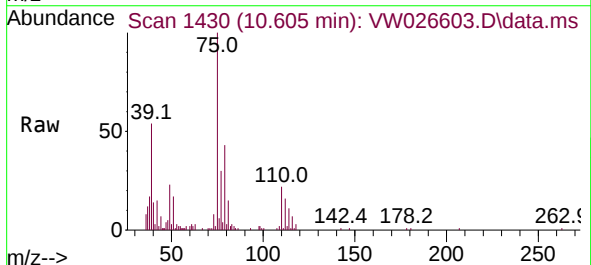
Manual Integrations
APPROVED

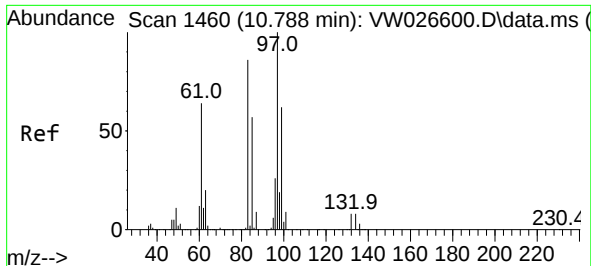
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#44
trans-1,3-Dichloropropene
Concen: 1.172 ug/L m
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

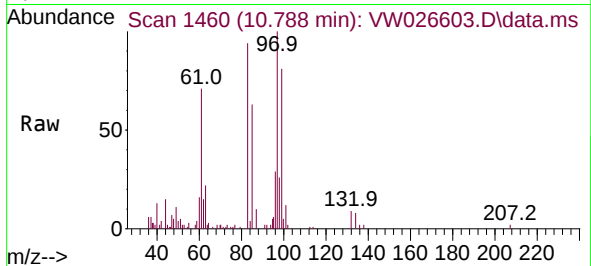
Tgt Ion: 75 Resp: 14462
Ion Ratio Lower Upper
75 100
77 30.3 23.0 42.6





#45
1,1,2-Trichloroethane
Concen: 1.274 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

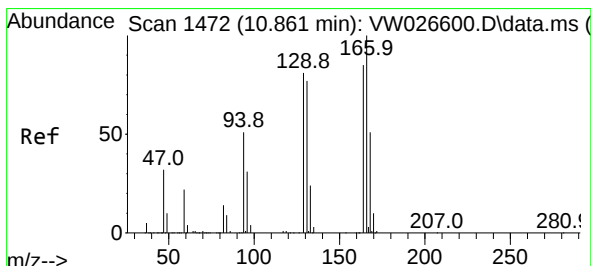
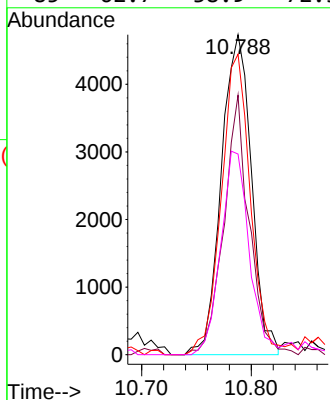
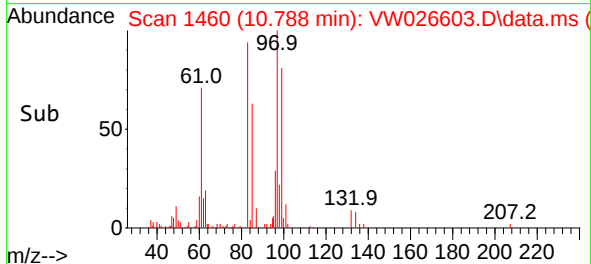
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



Tgt Ion:	97	Resp:	903
Ion	Ratio	Lower	Upper
97	100		
99	81.1	40.5	75.3
83	93.9	61.0	113.2
85	62.7	38.9	72.3

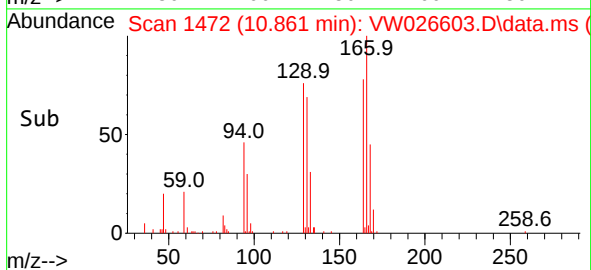
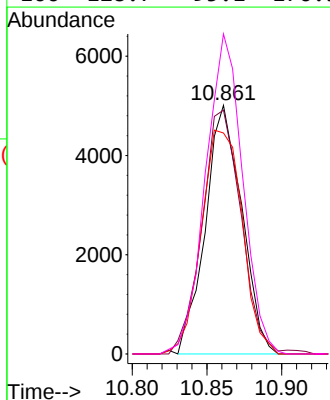
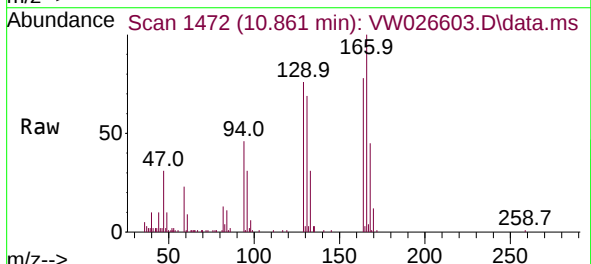
Manual Integrations
APPROVED

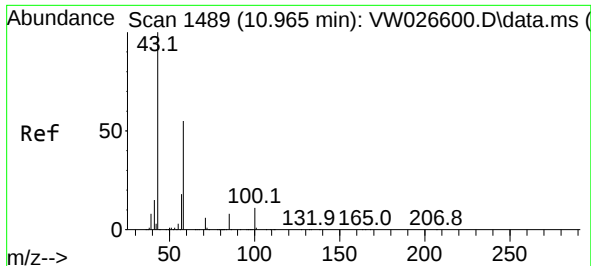
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#46
Tetrachloroethene
Concen: 1.217 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

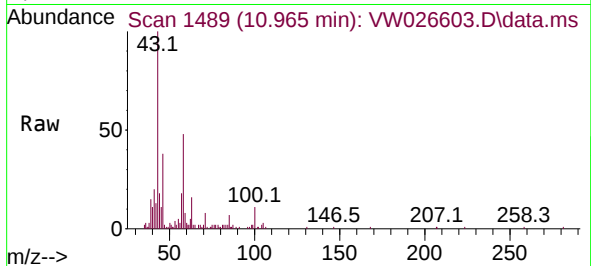
Tgt Ion:	164	Resp:	8493
Ion	Ratio	Lower	Upper
164	100		
129	98.0	75.5	140.1
131	88.9	74.8	138.8
166	128.7	95.1	176.5





#48
2-Hexanone
Concen: 2.793 ug/L m
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

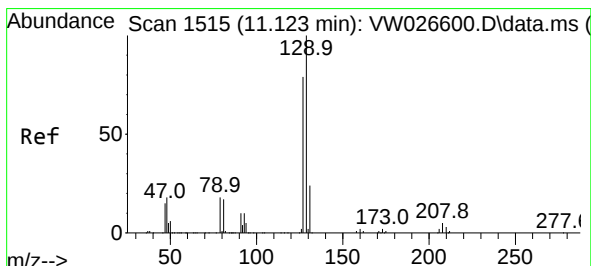
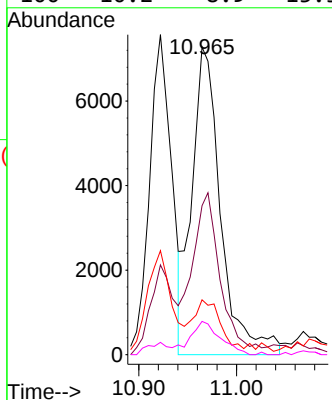
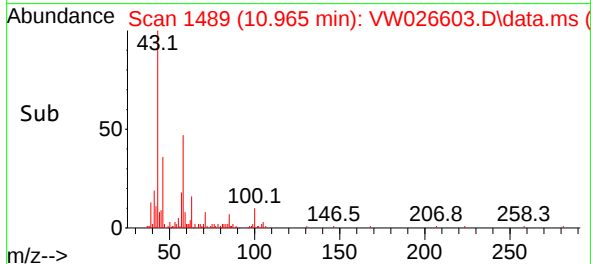
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



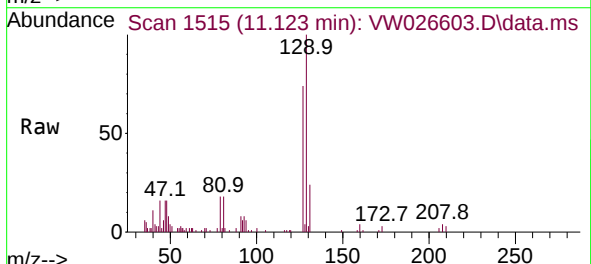
Tgt Ion: 43 Resp: 1494
Ion Ratio Lower Upper
43 100
58 51.6 42.1 63.1
57 17.7 14.8 22.2
100 10.2 8.9 13.3

Manual Integrations
APPROVED

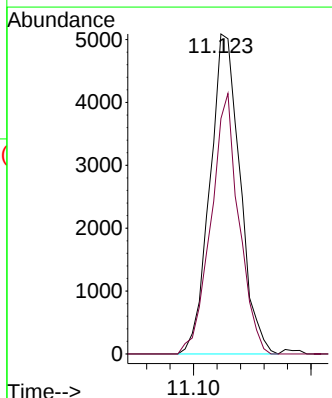
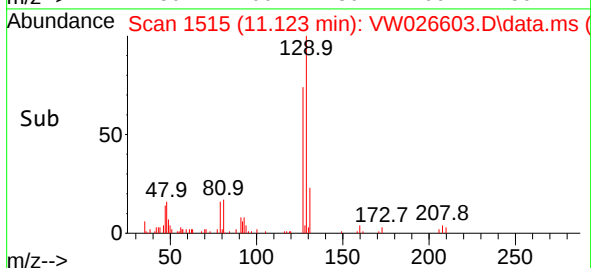
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

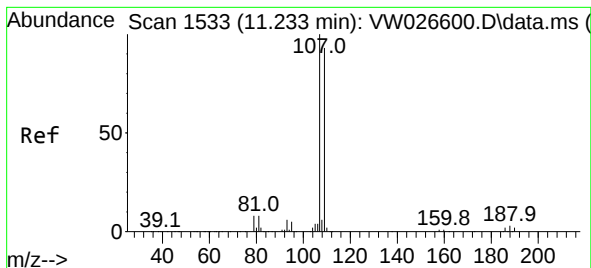


#49
Dibromochloromethane
Concen: 1.290 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49



Tgt Ion:129 Resp: 9055
Ion Ratio Lower Upper
129 100
127 73.5 51.2 95.2





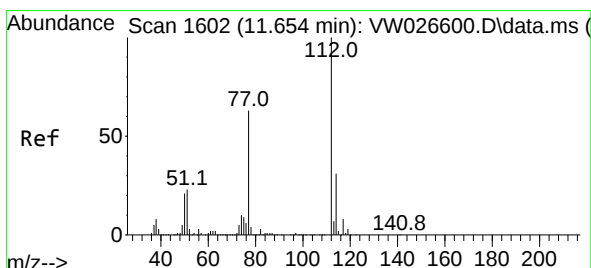
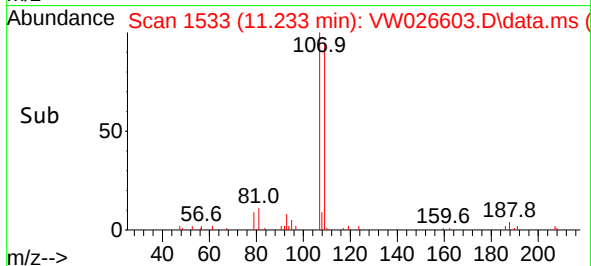
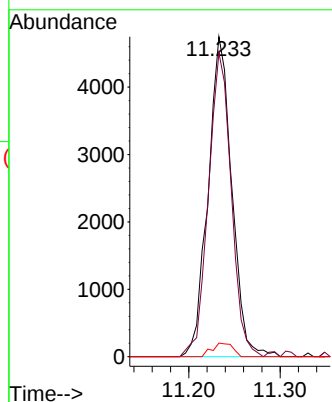
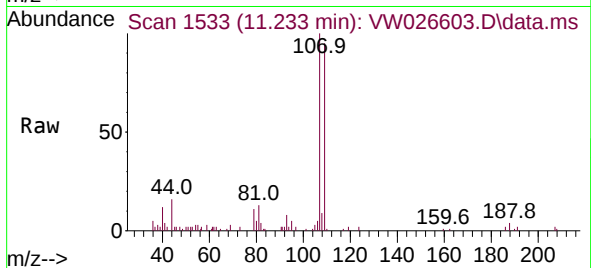
#50
1,2-Dibromoethane
Concen: 1.282 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion:107 Resp: 8569
Ion Ratio Lower Upper
107 100
109 95.0 62.9 116.7
188 4.3 2.8 4.2

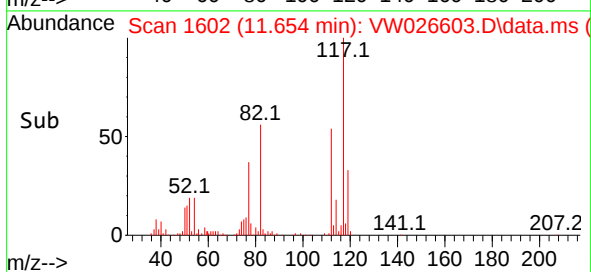
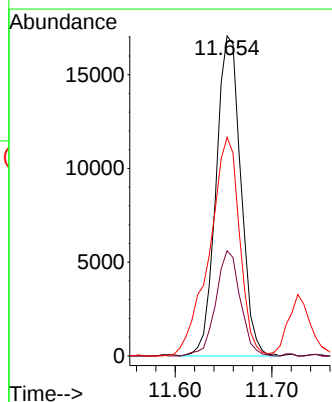
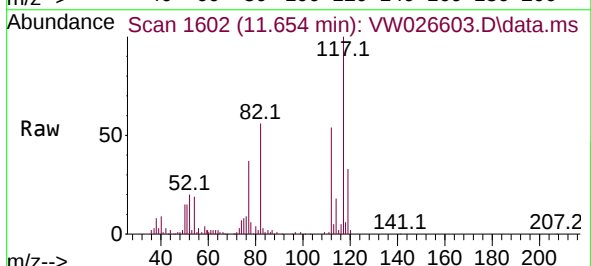
Manual Integrations
APPROVED

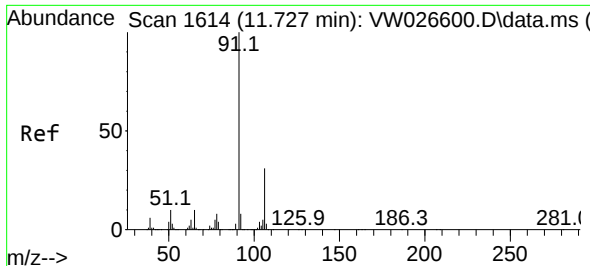
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#51
Chlorobenzene
Concen: 1.279 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

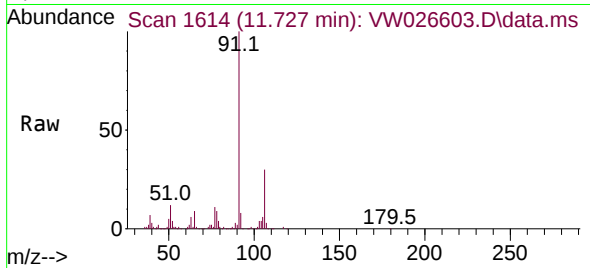
Tgt Ion:112 Resp: 30299
Ion Ratio Lower Upper
112 100
114 32.9 21.6 40.2
77 68.3 50.3 75.5





#52
Ethylbenzene
Concen: 1.144 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

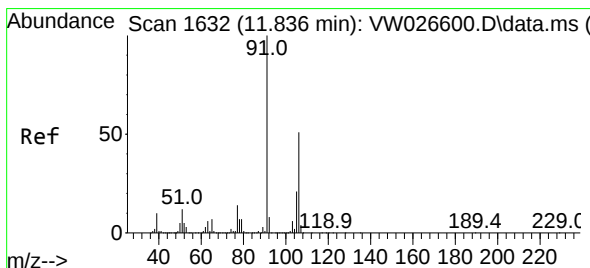
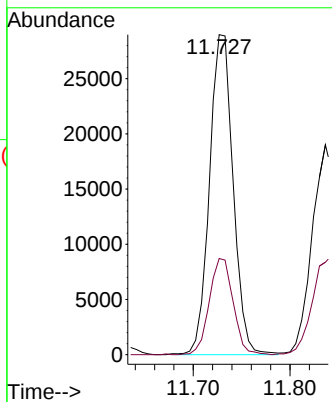
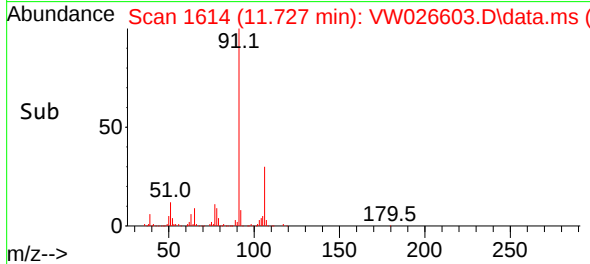
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



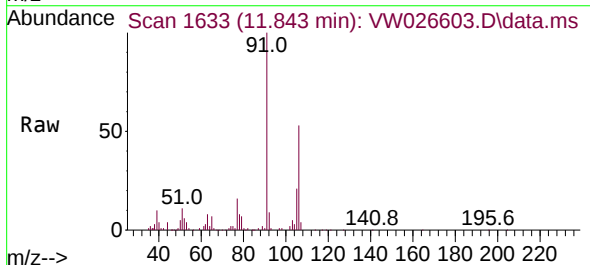
Tgt Ion: 91 Resp: 49190
Ion Ratio Lower Upper
91 100
106 30.1 20.8 38.6

Manual Integrations
APPROVED

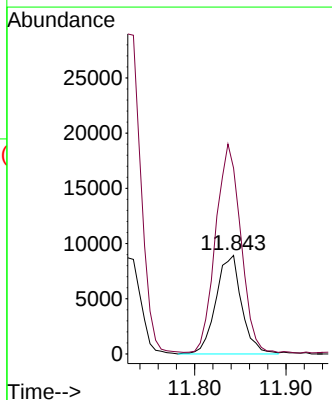
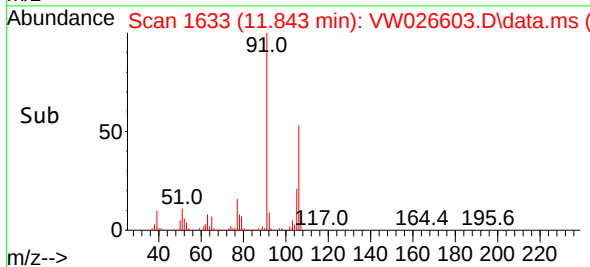
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

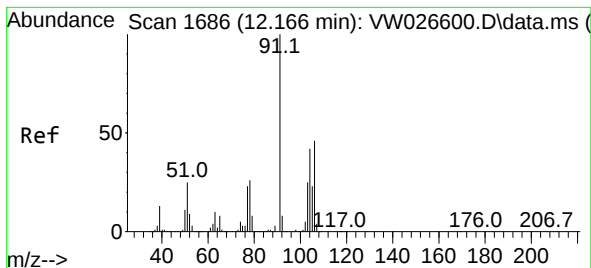


#53
m,p-Xylene
Concen: 1.117 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49



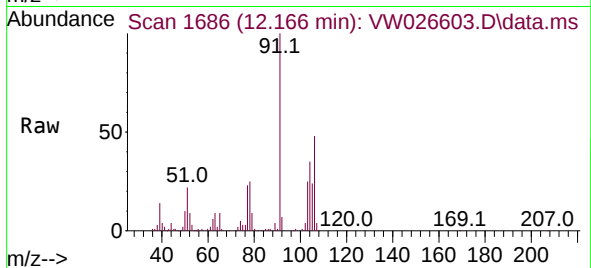
Tgt Ion:106 Resp: 17487
Ion Ratio Lower Upper
106 100
91 188.6 150.3 279.1





#54
o-Xylene
Concen: 1.070 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

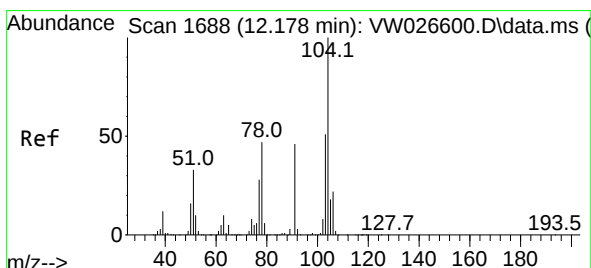
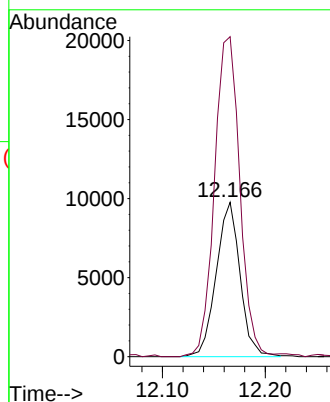
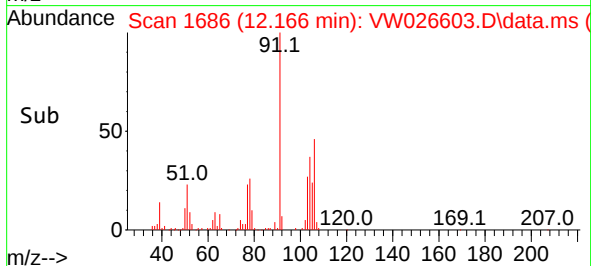
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



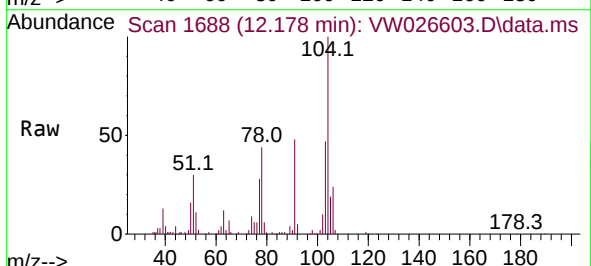
Tgt Ion:106 Resp: 1571
Ion Ratio Lower Upper
106 100
91 207.3 154.3 286.5

Manual Integrations
APPROVED

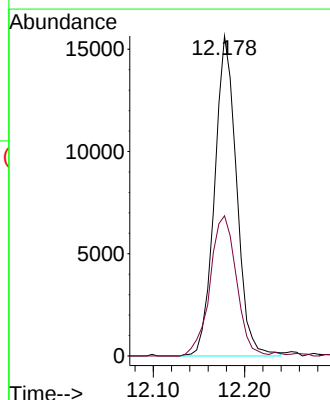
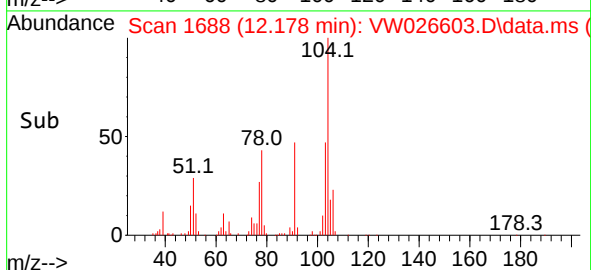
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

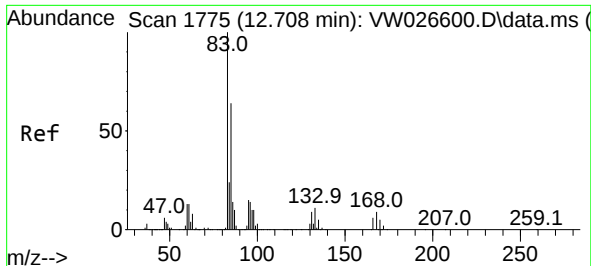


#55
Styrene
Concen: 1.057 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49



Tgt Ion:104 Resp: 26197
Ion Ratio Lower Upper
104 100
78 43.8 34.6 64.2





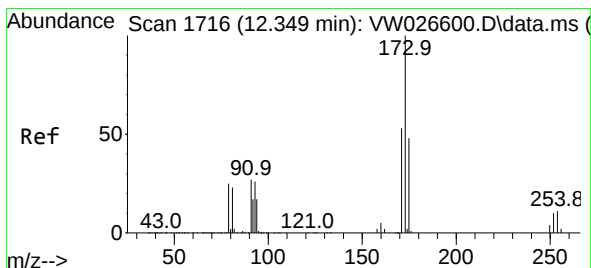
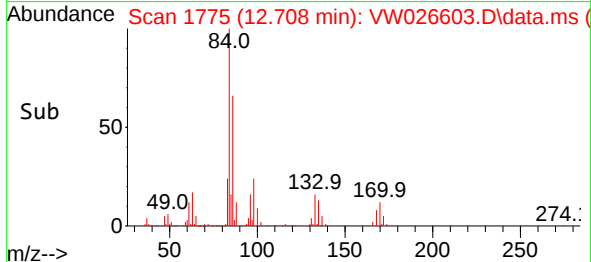
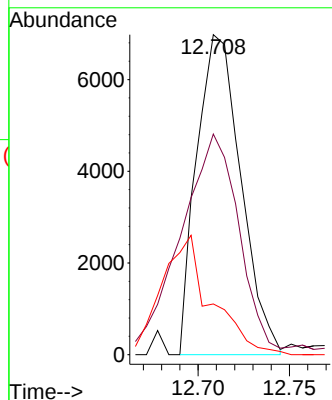
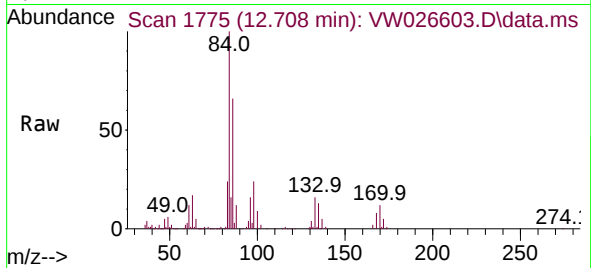
#57
1,1,2,2-Tetrachloroethane
Concen: 1.262 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion: 83 Resp: 11744
Ion Ratio Lower Upper
83 100
85 68.9 46.2 85.8
131 20.1 7.2 10.8

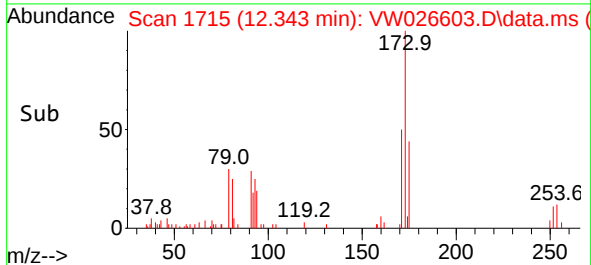
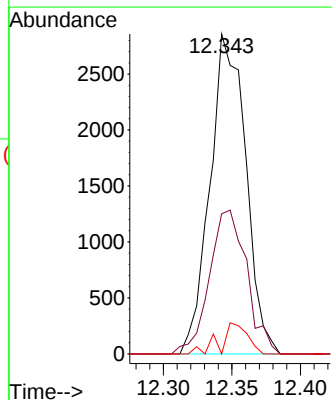
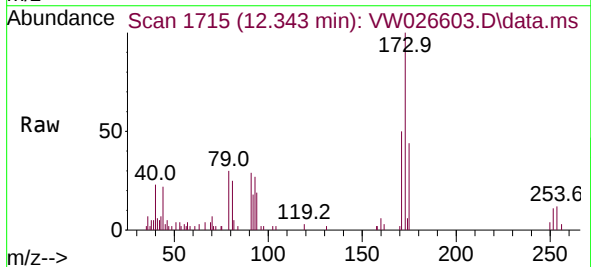
Manual Integrations
APPROVED

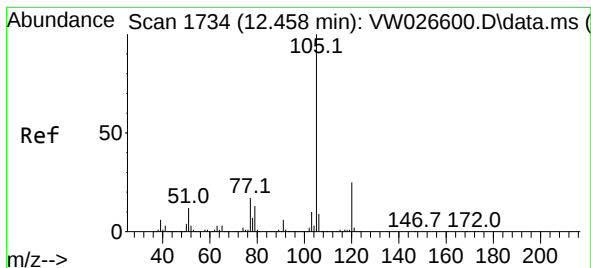
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#59
Bromoform
Concen: 1.263 ug/L
RT: 12.343 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

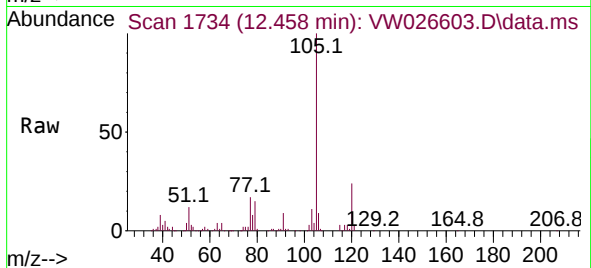
Tgt Ion:173 Resp: 5183
Ion Ratio Lower Upper
173 100
175 46.9 36.6 54.8
254 5.5 7.8 11.6





#60
Isopropylbenzene
Concen: 1.002 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

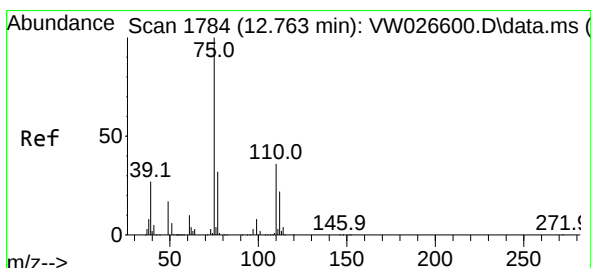
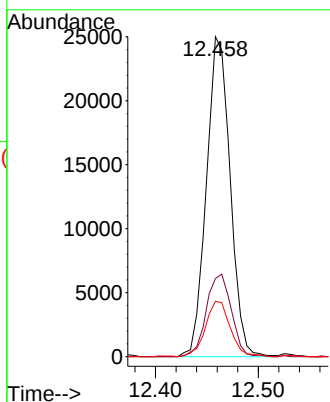
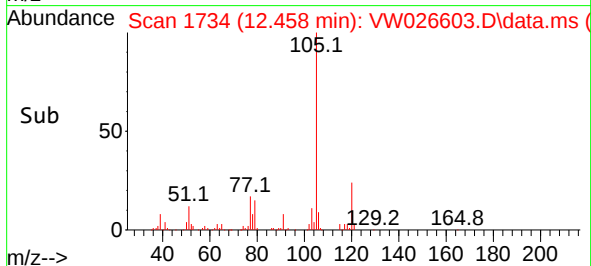
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



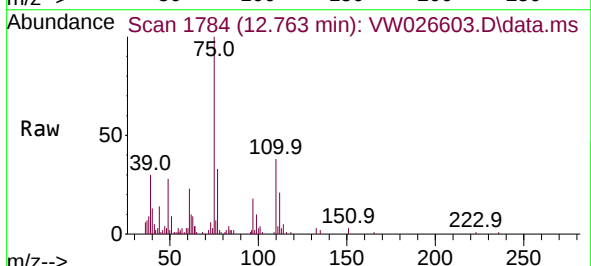
Tgt Ion:105 Resp: 40210
Ion Ratio Lower Upper
105 100
120 26.9 20.5 30.7
77 18.2 13.4 20.2

Manual Integrations
APPROVED

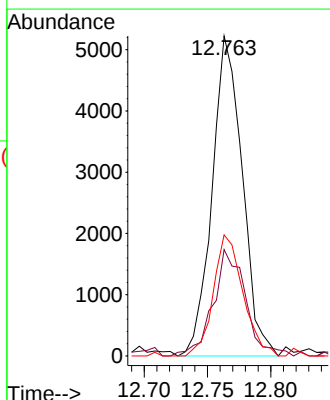
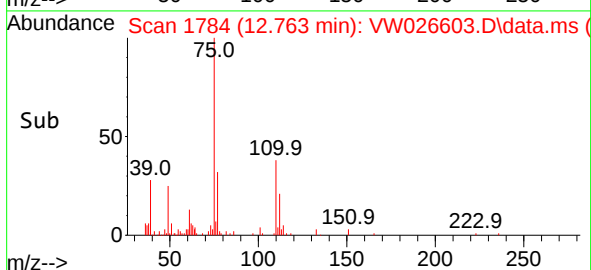
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

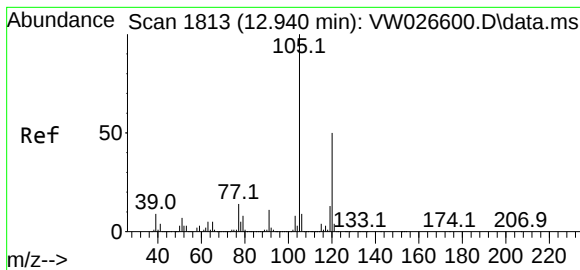


#61
1,2,3-Trichloropropane
Concen: 1.235 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49



Tgt Ion: 75 Resp: 8654
Ion Ratio Lower Upper
75 100
77 35.7 25.7 38.5
110 37.1 28.3 42.5





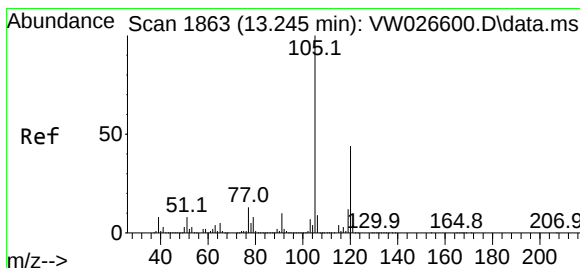
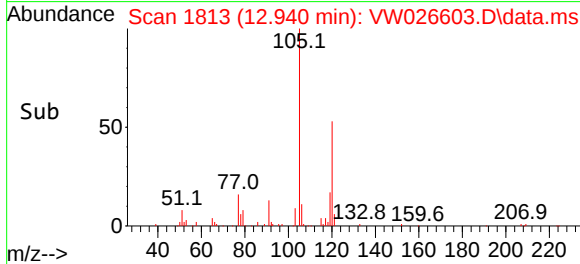
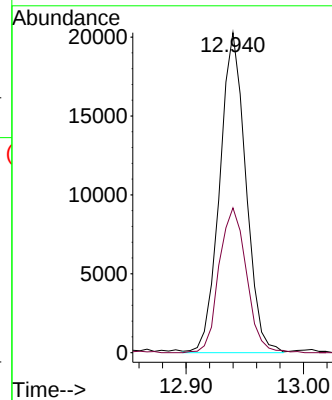
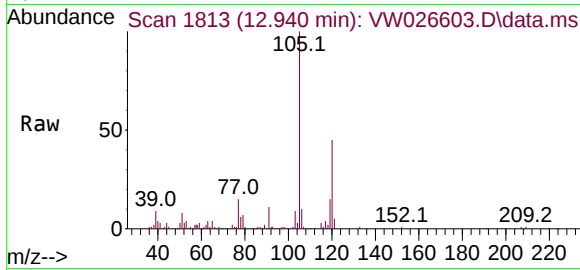
#62
1,3,5-Trimethylbenzene
Concen: 1.018 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion:105 Resp: 3136
Ion Ratio Lower Upper
105 100
120 47.3 38.4 57.6

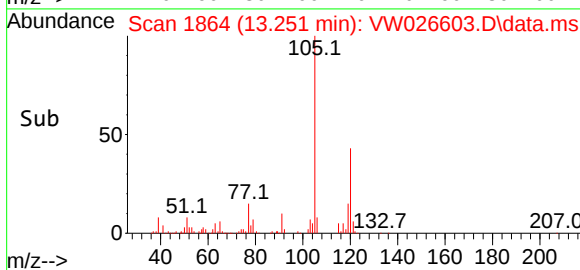
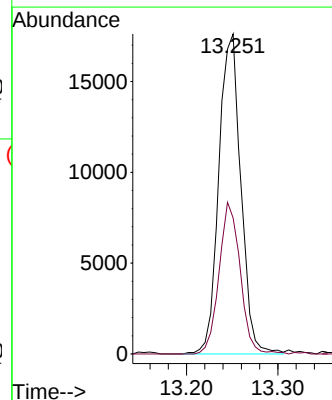
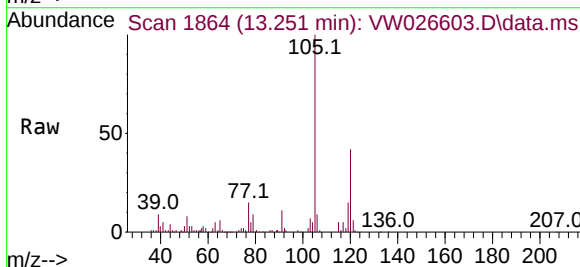
Manual Integrations
APPROVED

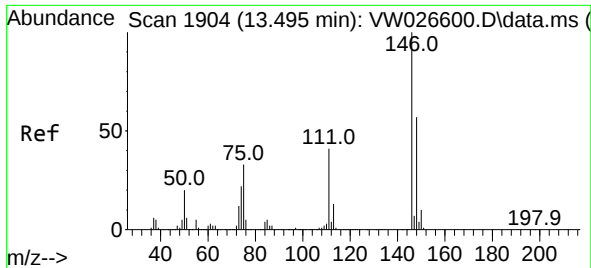
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.967 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

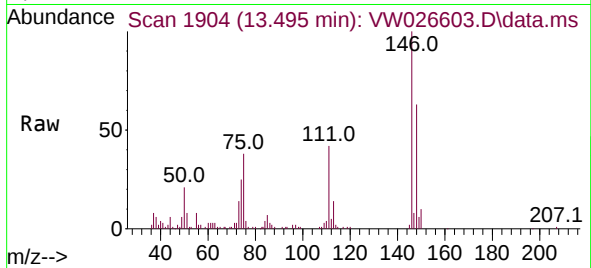
Tgt Ion:105 Resp: 29526
Ion Ratio Lower Upper
105 100
120 45.0 35.2 52.8





#64
1,3-Dichlorobenzene
Concen: 1.214 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

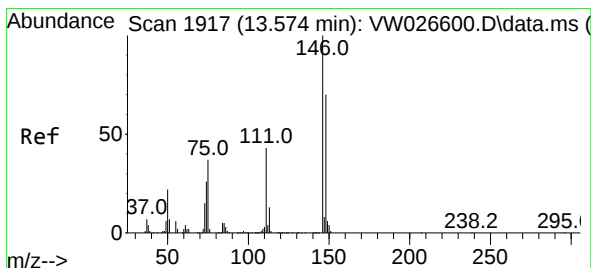
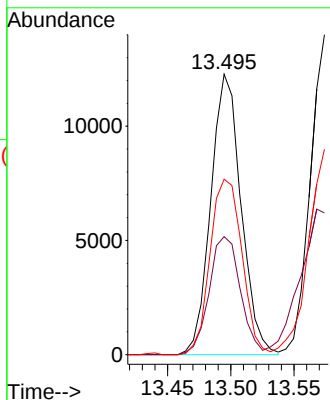
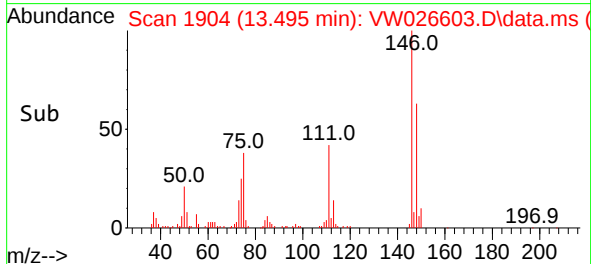
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05



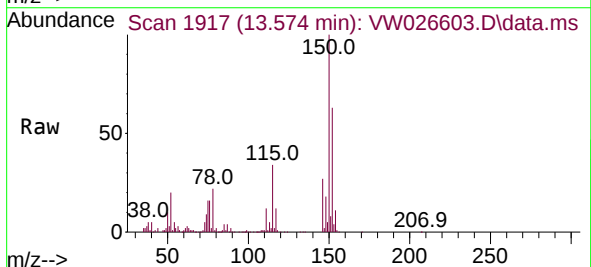
Tgt Ion:146 Resp: 20449
Ion Ratio Lower Upper
146 100
111 42.1 30.4 56.4
148 62.6 44.4 82.4

Manual Integrations
APPROVED

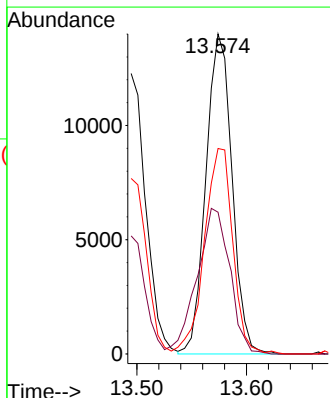
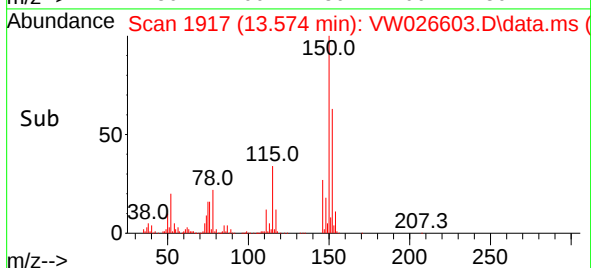
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

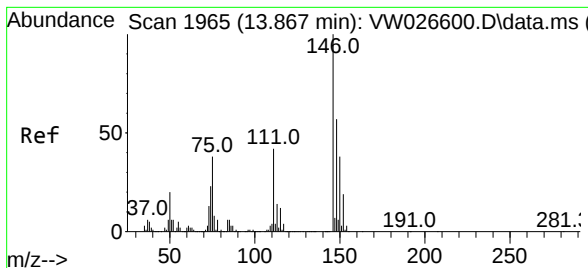


#65
1,4-Dichlorobenzene
Concen: 1.381 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49



Tgt Ion:146 Resp: 23199
Ion Ratio Lower Upper
146 100
111 44.3 29.7 55.1
148 64.2 45.4 84.4





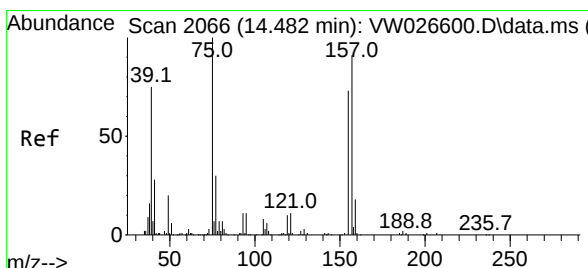
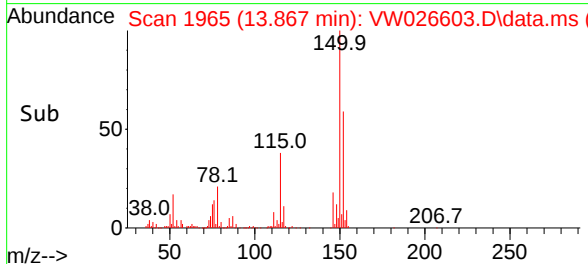
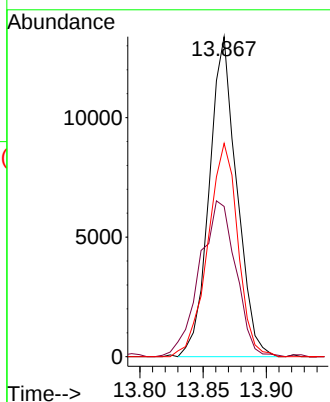
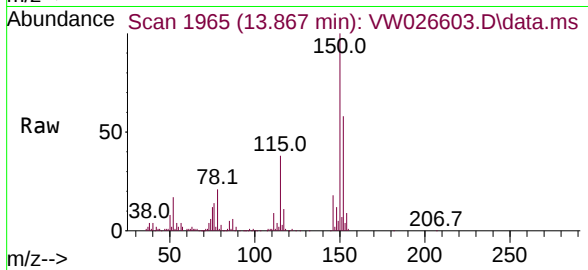
#67
1,2-Dichlorobenzene
Concen: 1.359 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-05

Tgt Ion:146 Resp: 2025
Ion Ratio Lower Upper
146 100
111 47.0 31.8 47.8
148 66.7 46.9 70.3

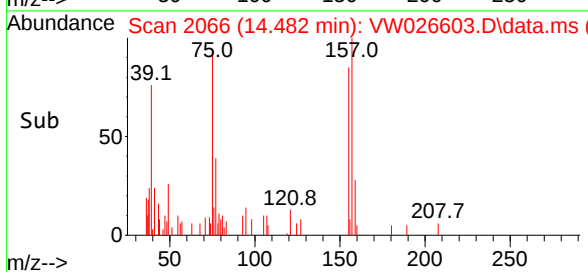
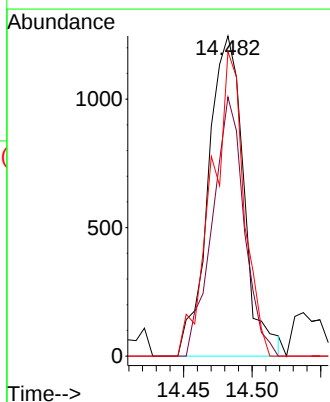
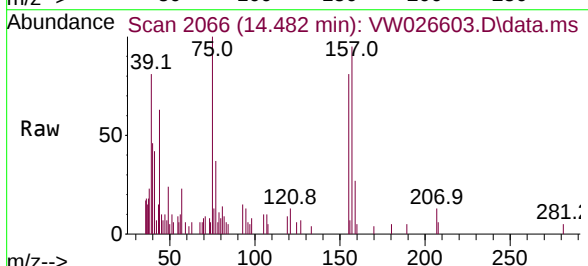
Manual Integrations
APPROVED

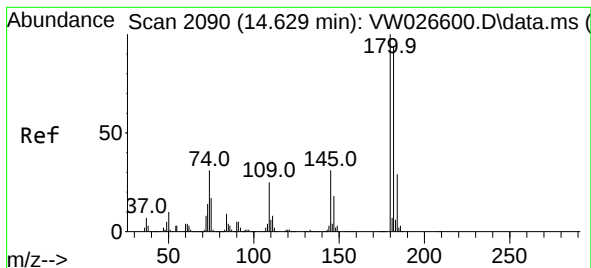
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#68
1,2-Dibromo-3-chloropropane
Concen: 1.343 ug/L
RT: 14.482 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

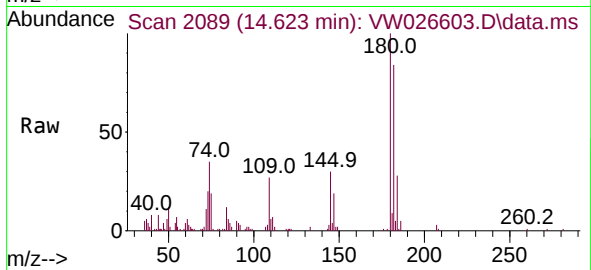
Tgt Ion: 75 Resp: 2241
Ion Ratio Lower Upper
75 100
155 80.9 49.1 73.7#
157 95.1 60.6 90.8#





#69
1,3,5-Trichlorobenzene
Concen: 1.368 ug/L
RT: 14.623 min Scan# 2090
Delta R.T. -0.006 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49

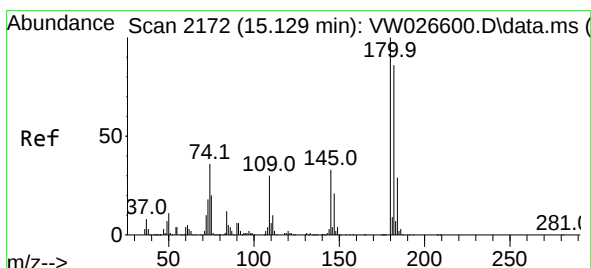
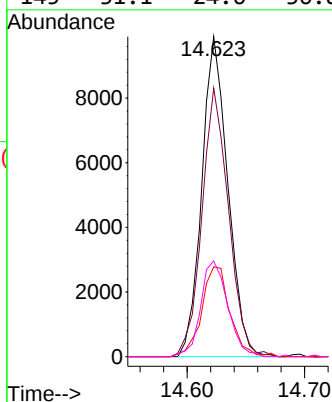
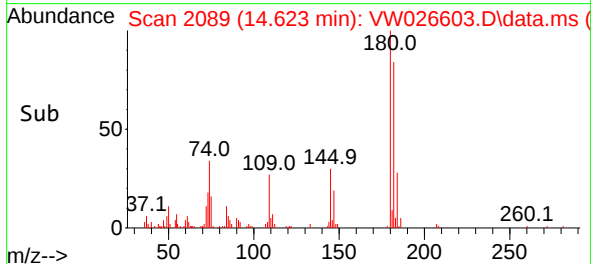
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2023-05



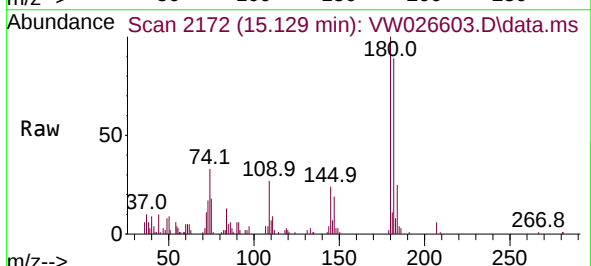
Tgt Ion:180 Resp: 1525
Ion Ratio Lower Upper
180 100
182 85.9 75.8 113.6
184 30.3 23.7 35.5
145 31.1 24.6 36.8

Manual Integrations
APPROVED

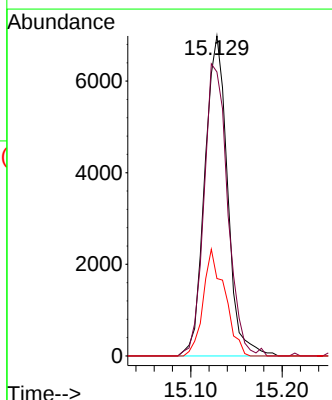
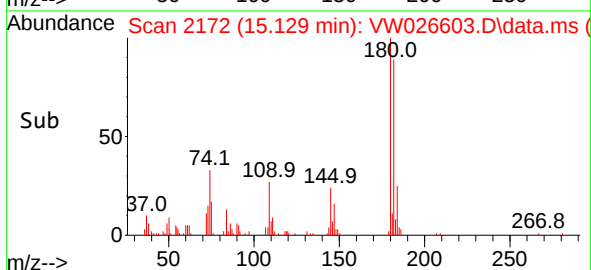
Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

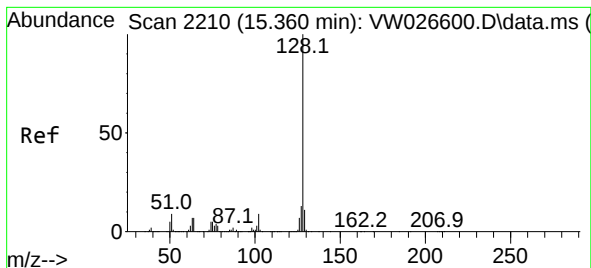


#70
1,2,4-trichlorobenzene
Concen: 1.318 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. 0.000 min
Lab File: VW026603.D
Acq: 12 Jul 2023 10:49



Tgt Ion:180 Resp: 12058
Ion Ratio Lower Upper
180 100
182 94.7 73.5 110.3
145 31.8 25.0 37.6





#71

Naphthalene

Concen: 1.063 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW026603.D

Acq: 12 Jul 2023 10:49

Instrument :

MSVOA_W

ClientSampleId :

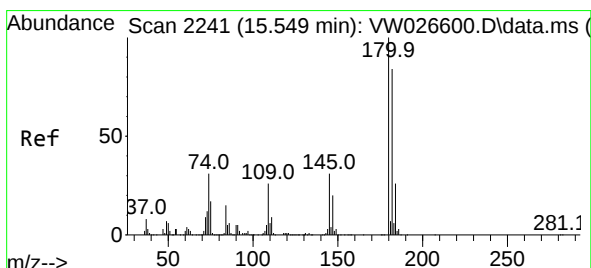
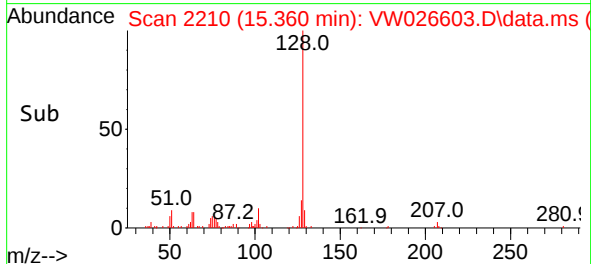
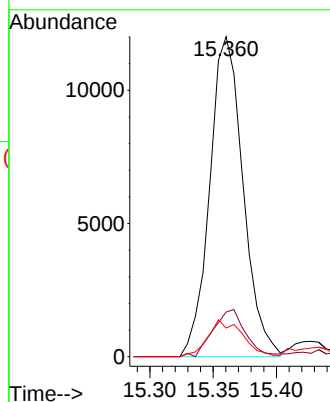
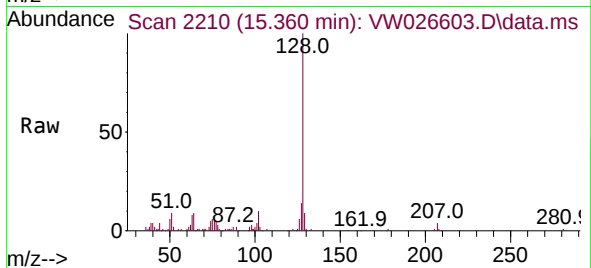
MDL-SOIL-QT3-2023-05

Tgt Ion:	128	Resp:	22029
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.6	16.0
129	11.9	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#72

1,2,3-Trichlorobenzene

Concen: 1.200 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW026603.D

Acq: 12 Jul 2023 10:49

Tgt Ion:	180	Resp:	10337
Ion Ratio	Lower	Upper	
180	100		
182	101.8	75.2	112.8
145	38.0	26.6	40.0

