

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071323\
 Data File : VW026608.D
 Acq On : 13 Jul 2023 10:22
 Operator : SY/MD
 Sample : 03573-04 1 PPB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2023-06

Quant Time: Jul 14 06:29:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Fri Jul 14 06:26:25 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2023
 Supervised By :Mahesh Dadoda 07/14/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	641156	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	579595	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	270939	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	208840	19.310	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	77.240%
7) Chloroethane-d5	2.899	69	154850	20.405	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.600%
11) 1,1-Dichloroethene-d2	4.027	65	102603	20.202	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	80.800%
21) 2-Butanone-d5	7.075	46	146991	42.054	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.100%
24) Chloroform-d	7.648	84	406003	21.995	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.960%
26) 1,2-Dichloroethane-d4	8.307	65	231961	22.506	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.040%
32) Benzene-d6	8.270	84	844315	21.220	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.880%
36) 1,2-Dichloropropane-d6	9.276	67	271414	22.185	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.720%
41) Toluene-d8	10.324	98	721751	21.150	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	84.600%
43) trans-1,3-Dichloroprop...	10.574	79	99083	20.210	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.840%
47) 2-Hexanone-d5	10.922	63	100944	42.285	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.560%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	222233	21.450	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.800%
66) 1,2-Dichlorobenzene-d4	13.848	152	229050	23.026	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.120%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	7258m	1.004	ug/L	
3) Chloromethane	2.216	50	10701	1.036	ug/L	97
5) Vinyl chloride	2.369	62	10407	0.956	ug/L #	71
6) Bromomethane	2.789	94	6030	1.042	ug/L	93
8) Chloroethane	2.942	64	6017	0.988	ug/L	99
9) Trichlorofluoromethane	3.265	101	6702m	0.831	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	11828m	1.321	ug/L	
12) 1,1-Dichloroethene	4.033	96	10891m	1.268	ug/L	
13) Acetone	4.124	43	8676	3.451	ug/L	66
14) Carbon disulfide	4.393	76	30189	1.003	ug/L	96
15) Methyl Acetate	4.673	43	7087	1.173	ug/L #	82
16) Methylene chloride	4.923	84	28049	2.476	ug/L	91
17) trans-1,2-Dichloroethene	5.423	96	9269	1.009	ug/L	98
18) Methyl tert-butyl Ether	5.429	73	13778	0.959	ug/L #	92
19) 1,1-Dichloroethane	6.215	63	19585	1.067	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	9479	0.997	ug/L	97
23) Bromochloromethane	7.514	128	4654	1.143	ug/L	90
25) Chloroform	7.673	83	18920	1.125	ug/L	96
27) 1,2-Dichloroethane	8.398	62	13561	1.145	ug/L	99

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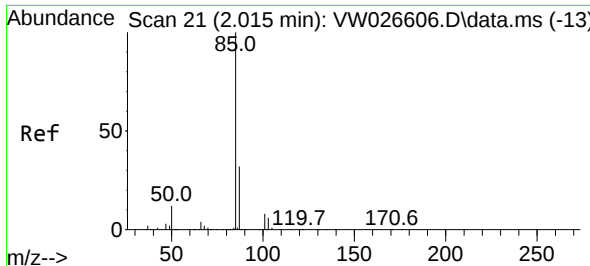
Quant Time: Jul 14 06:29:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM071123SMA.M
 Quant Title : SFAM01.0
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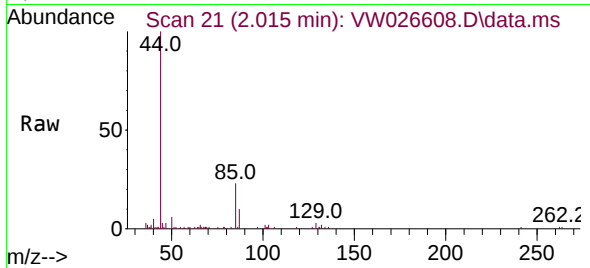
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.959	56	15015	0.832	ug/L #	95
30) 1,1,1-Trichloroethane	7.868	97	14284	1.005	ug/L	99
31) Carbon tetrachloride	8.075	117	13199	1.024	ug/L	97
33) Benzene	8.325	78	40941	1.025	ug/L	100
34) Trichloroethene	9.099	95	10746	1.048	ug/L	93
35) Methylcyclohexane	9.337	83	15599	0.847	ug/L	93
37) 1,2-Dichloropropane	9.367	63	11848	1.117	ug/L #	92
38) Bromodichloromethane	9.648	83	12488	1.036	ug/L	98
39) cis-1,3-Dichloropropene	10.068	75	14419	0.944	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	16159	2.019	ug/L	99
42) Toluene	10.385	91	41049	1.018	ug/L	96
44) trans-1,3-Dichloropropene	10.605	75	14964m	1.162	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	8038	1.086	ug/L	96
46) Tetrachloroethene	10.861	164	7484	1.028	ug/L	96
48) 2-Hexanone	10.965	43	12563	2.249	ug/L	98
49) Dibromochloromethane	11.129	129	7407	1.011	ug/L	92
50) 1,2-Dibromoethane	11.233	107	7816	1.120	ug/L #	94
51) Chlorobenzene	11.653	112	26587	1.075	ug/L	94
52) Ethylbenzene	11.727	91	43013	0.958	ug/L	97
53) m,p-Xylene	11.836	106	14954	0.915	ug/L	85
54) o-Xylene	12.160	106	13649	0.890	ug/L	87
55) Styrene	12.178	104	21258	0.822	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.708	83	11269	1.160	ug/L #	91
59) Bromoform	12.348	173	4438	1.036	ug/L #	92
60) Isopropylbenzene	12.464	105	35308	0.842	ug/L	99
61) 1,2,3-Trichloropropane	12.769	75	8048	1.100	ug/L	96
62) 1,3,5-Trimethylbenzene	12.940	105	27076	0.842	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	25100	0.787	ug/L	100
64) 1,3-Dichlorobenzene	13.501	146	18023	1.025	ug/L	95
65) 1,4-Dichlorobenzene	13.574	146	19213	1.095	ug/L	94
67) 1,2-Dichlorobenzene	13.867	146	18473	1.187	ug/L #	89
68) 1,2-Dibromo-3-chloropr...	14.476	75	2182	1.253	ug/L	91
69) 1,3,5-Trichlorobenzene	14.622	180	12752	1.095	ug/L	99
70) 1,2,4-trichlorobenzene	15.128	180	10198	1.068	ug/L	95
71) Naphthalene	15.360	128	19788	0.915	ug/L	98
72) 1,2,3-Trichlorobenzene	15.555	180	9072	1.009	ug/L	91

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



#2
Dichlorodifluoromethane
Concen: 1.004 ug/L m
RT: 2.015 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

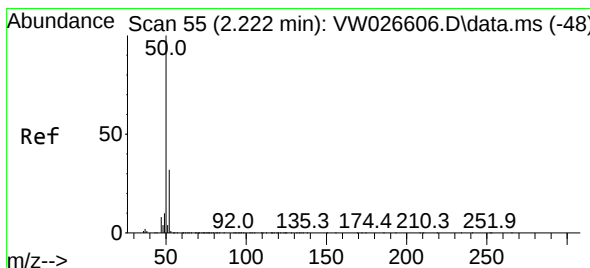
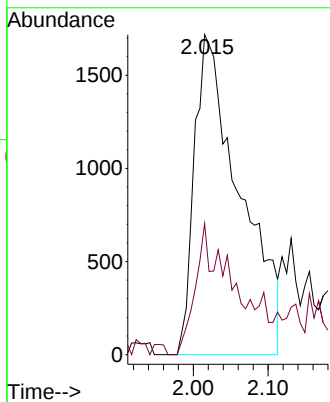
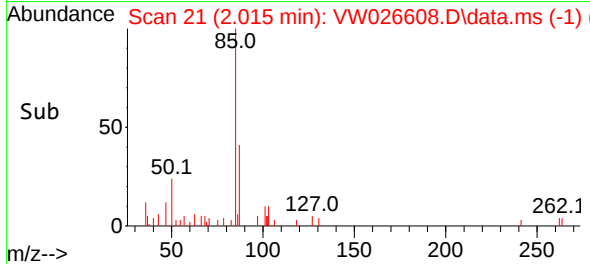
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 85 Resp: 7258
Ion Ratio Lower Upper
85 100
87 12.5 21.4 32.0

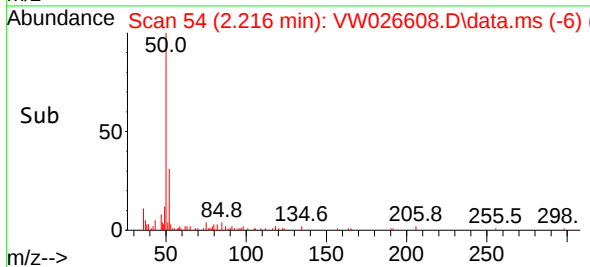
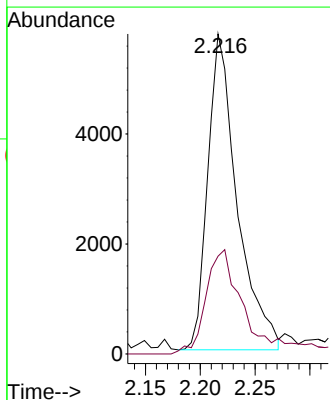
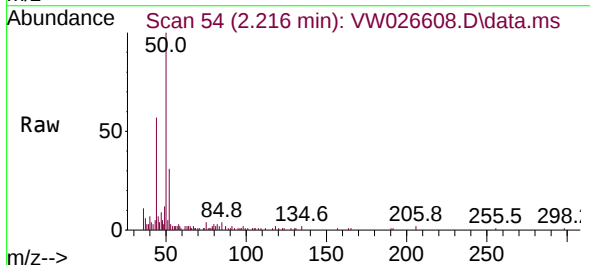
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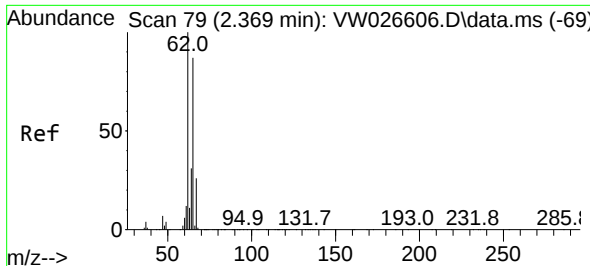
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#3
Chloromethane
Concen: 1.036 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

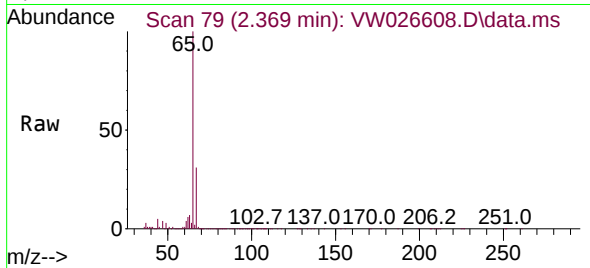
Tgt Ion: 50 Resp: 10701
Ion Ratio Lower Upper
50 100
52 30.5 22.5 41.7





#5
 Vinyl chloride
 Concen: 0.956 ug/L
 RT: 2.369 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: VW026608.D
 Acq: 13 Jul 2023 10:22

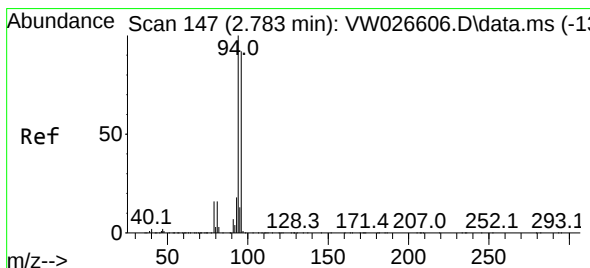
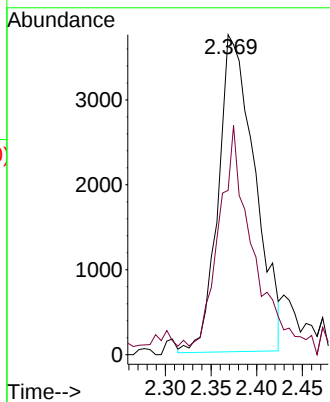
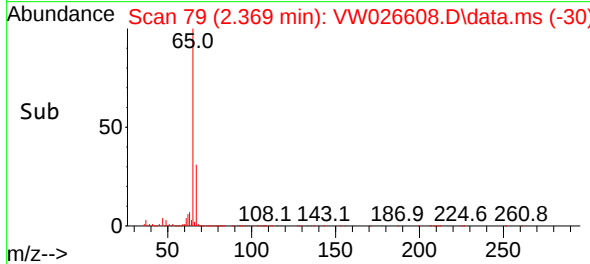
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT3-2023-06



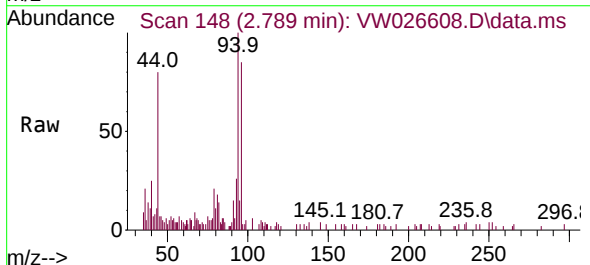
Tgt Ion: 62 Resp: 1040
 Ion Ratio Lower Upper
 62 100
 64 51.4 24.2 45.0

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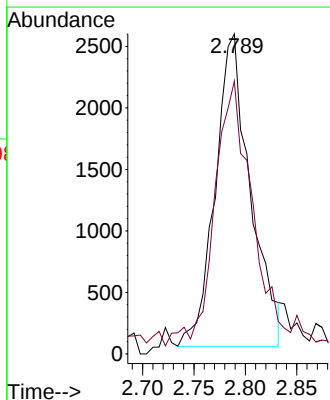
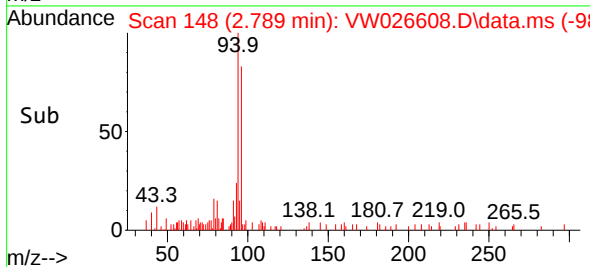
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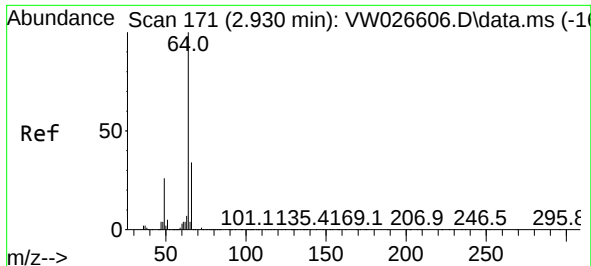


#6
 Bromomethane
 Concen: 1.042 ug/L
 RT: 2.789 min Scan# 148
 Delta R.T. 0.006 min
 Lab File: VW026608.D
 Acq: 13 Jul 2023 10:22



Tgt Ion: 94 Resp: 6030
 Ion Ratio Lower Upper
 94 100
 96 85.2 64.5 119.9





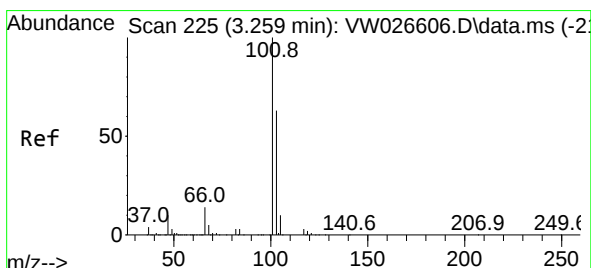
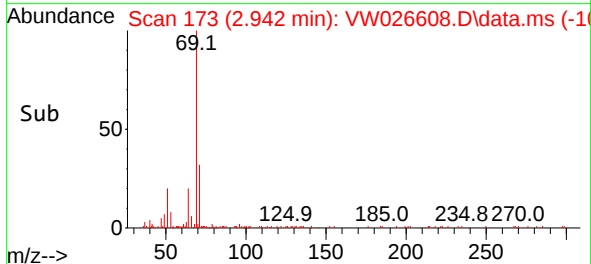
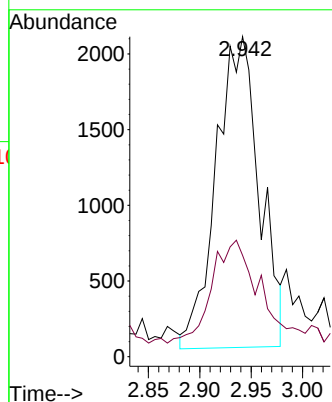
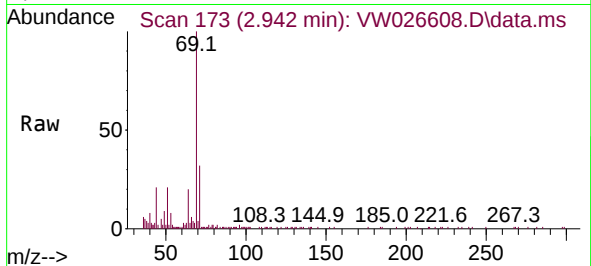
#8
Chloroethane
Concen: 0.988 ug/L
RT: 2.942 min Scan# 171
Delta R.T. 0.012 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion: 64 Resp: 601
Ion Ratio Lower Upper
64 100
66 31.6 21.7 40.3

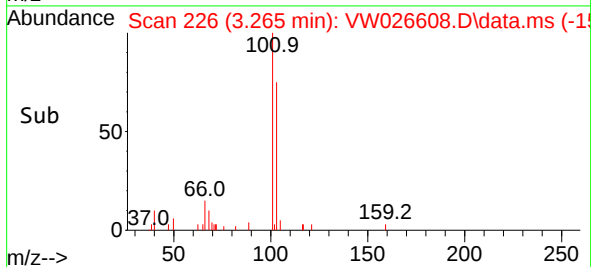
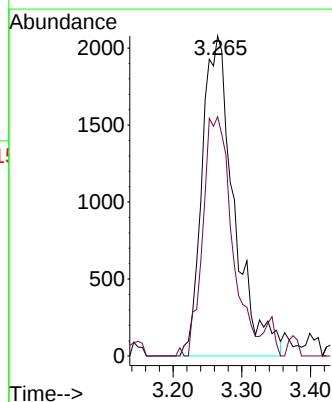
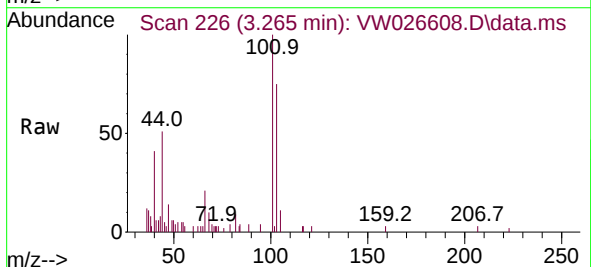
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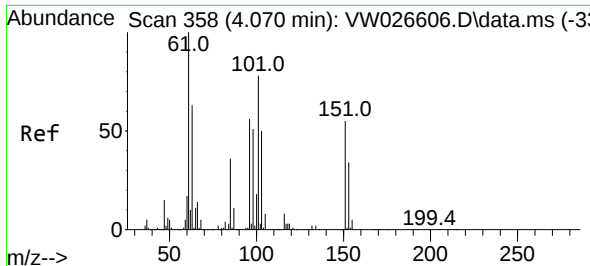
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#9
Trichlorofluoromethane
Concen: 0.831 ug/L m
RT: 3.265 min Scan# 226
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

Tgt Ion:101 Resp: 6702
Ion Ratio Lower Upper
101 100
103 0.6 50.3 75.5#





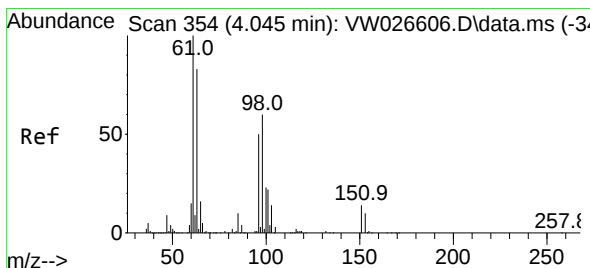
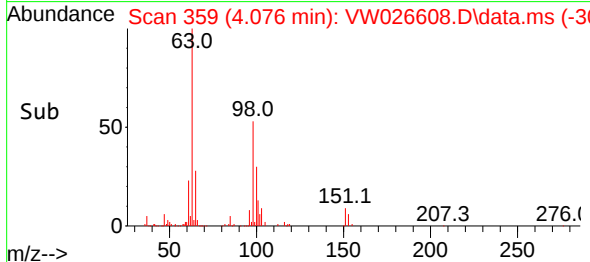
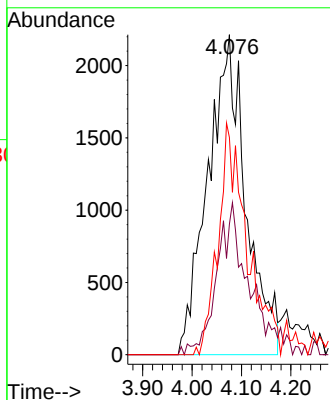
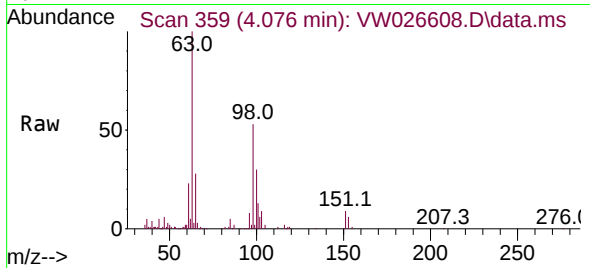
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.321 ug/L m
RT: 4.076 min Scan# 358
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

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Tgt Ion: 101 Resp: 11828
Ion Ratio Lower Upper
101 100
85 17.0 36.1 54.1
151 26.9 55.9 83.9

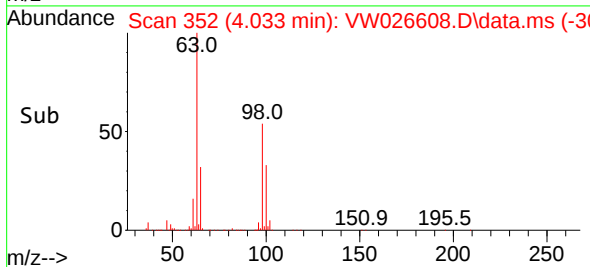
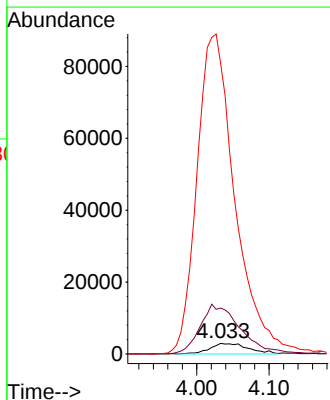
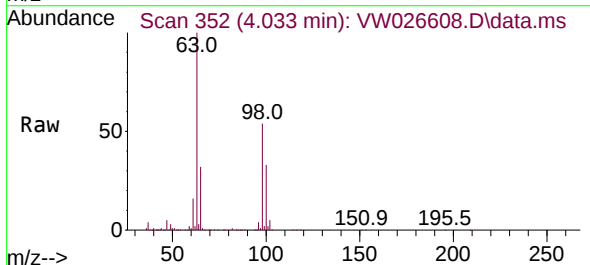
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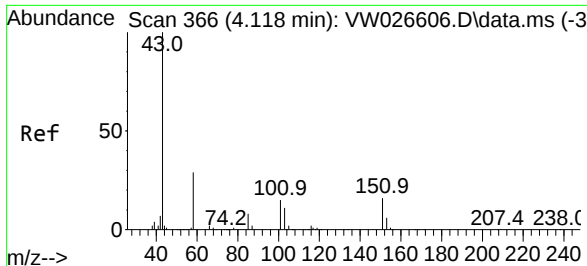
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#12
1,1-Dichloroethene
Concen: 1.268 ug/L m
RT: 4.033 min Scan# 352
Delta R.T. -0.012 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

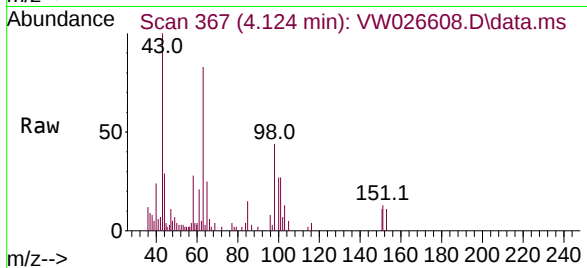
Tgt Ion: 96 Resp: 10891
Ion Ratio Lower Upper
96 100
61 434.2 140.8 261.4#
63 2748.4 127.7 237.3#





#13
Acetone
Concen: 3.451 ug/L
RT: 4.124 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

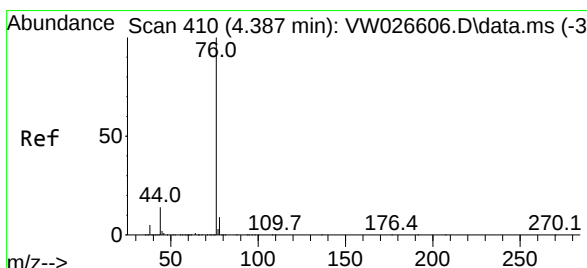
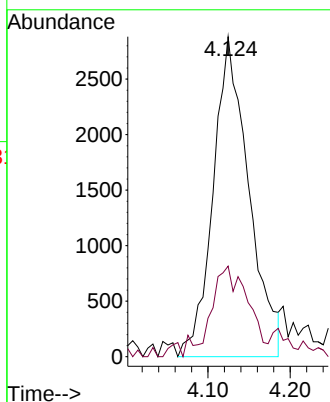
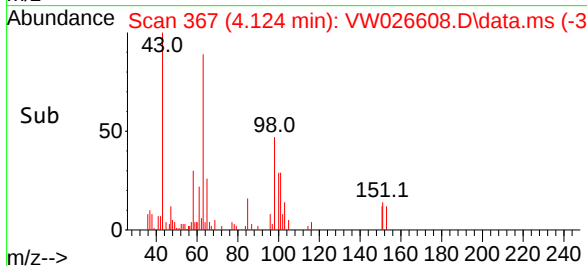
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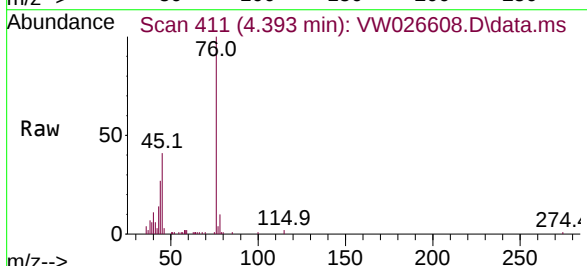
Tgt Ion: 43 Resp: 8670
Ion Ratio Lower Upper
43 100
58 12.8 0.0 63.2

Manual Integrations
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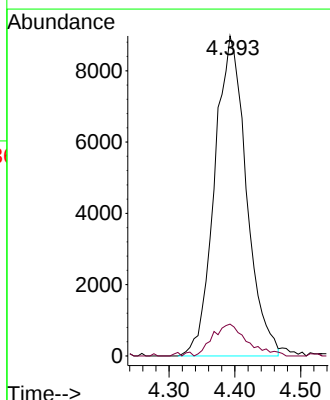
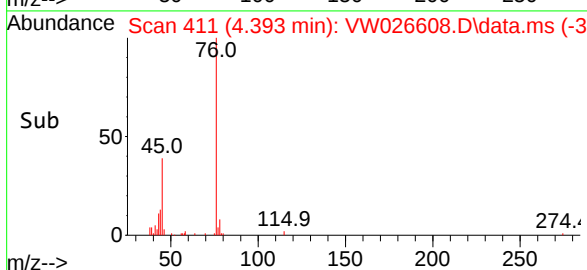
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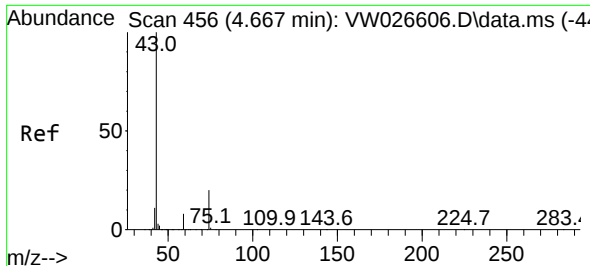


#14
Carbon disulfide
Concen: 1.003 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22



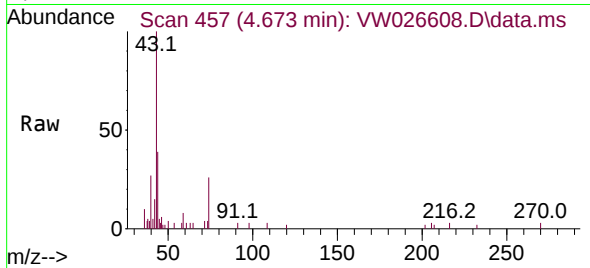
Tgt Ion: 76 Resp: 30189
Ion Ratio Lower Upper
76 100
78 10.0 6.9 10.3





#15
Methyl Acetate
Concen: 1.173 ug/L
RT: 4.673 min Scan# 456
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

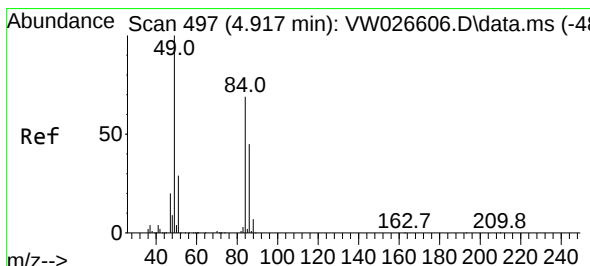
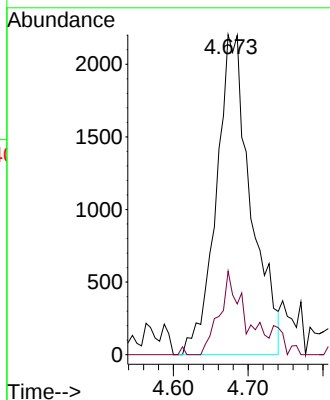
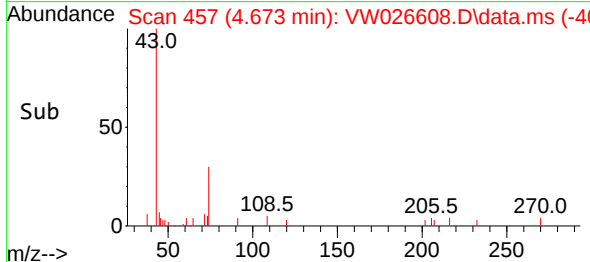
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
74 12.1 16.3 24.5

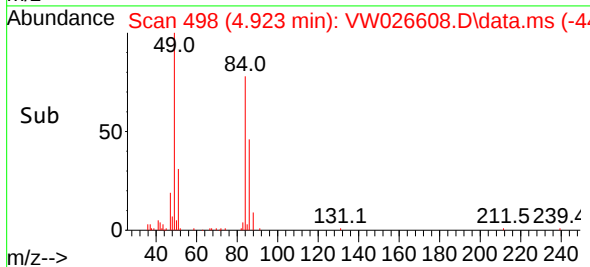
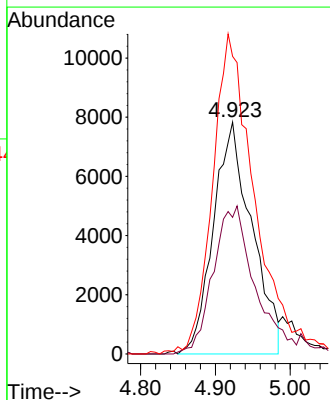
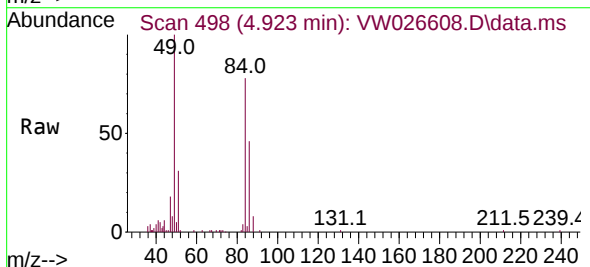
Manual Integrations
APPROVED

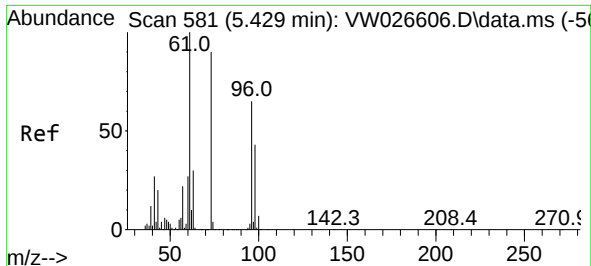
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#16
Methylene chloride
Concen: 2.476 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

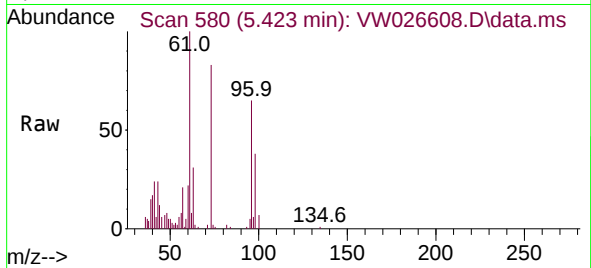
Tgt Ion: 84 Resp: 28049
Ion Ratio Lower Upper
84 100
86 58.9 43.8 81.3
49 128.3 99.2 184.2





#17
trans-1,2-Dichloroethene
Concen: 1.009 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

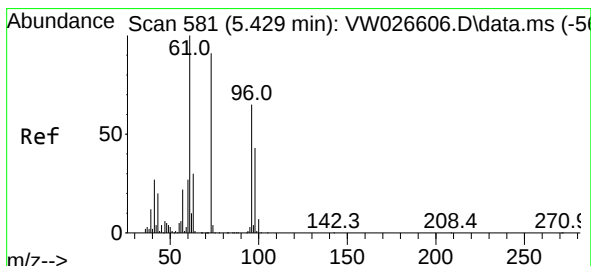
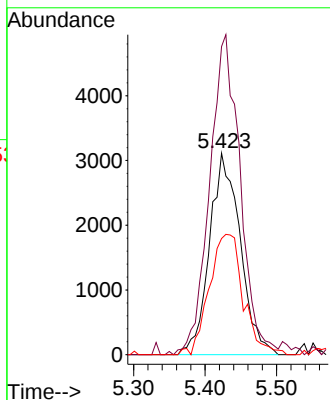
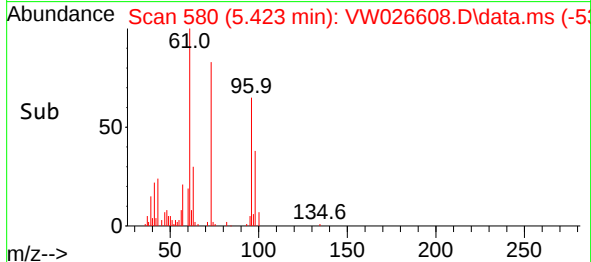
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2023-06



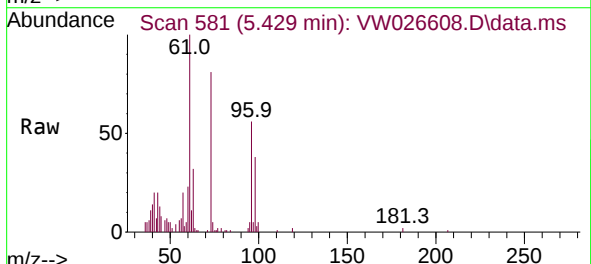
Tgt Ion: 96 Resp: 9269
Ion Ratio Lower Upper
96 100
61 153.0 108.1 200.9
98 57.7 43.4 80.6

Manual Integrations
APPROVED

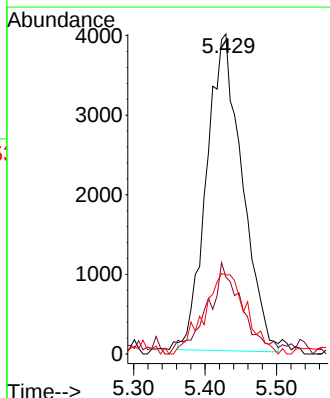
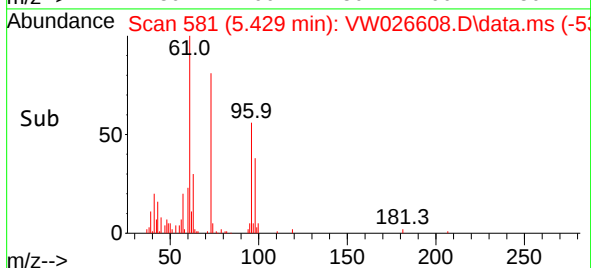
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

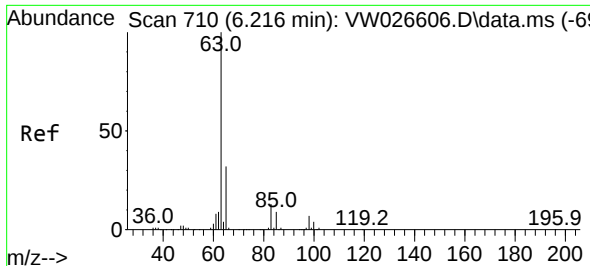


#18
Methyl tert-butyl Ether
Concen: 0.959 ug/L
RT: 5.429 min Scan# 581
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22



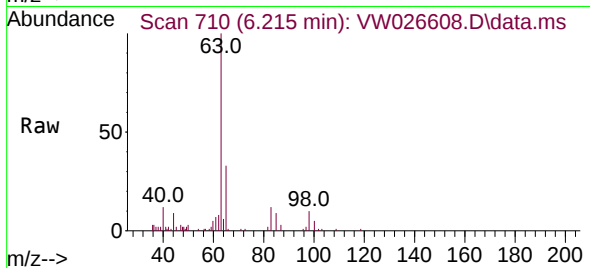
Tgt Ion: 73 Resp: 13778
Ion Ratio Lower Upper
73 100
43 14.4 17.4 26.2#
57 25.0 19.3 28.9





#19
1,1-Dichloroethane
Concen: 1.067 ug/L
RT: 6.215 min Scan# 710
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

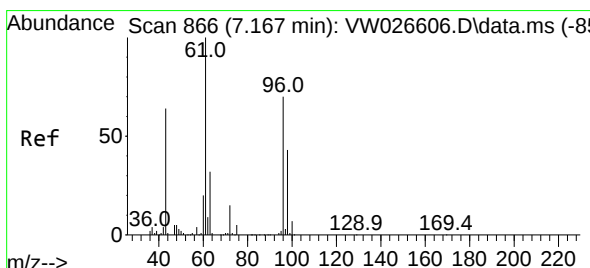
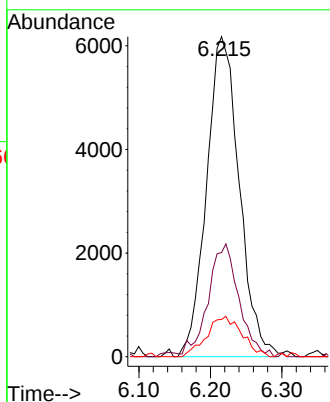
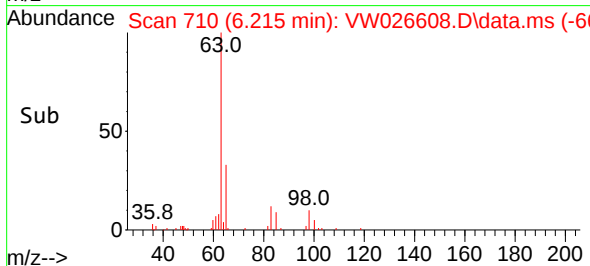
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 63 Resp: 1958
Ion Ratio Lower Upper
63 100
65 32.6 22.3 41.5
83 11.7 8.8 16.4

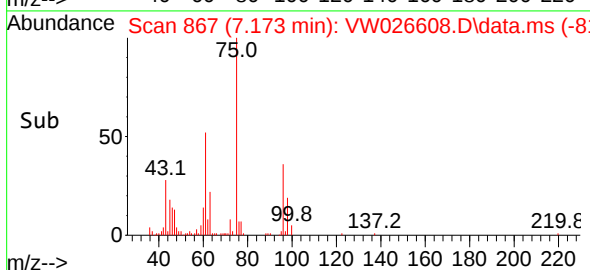
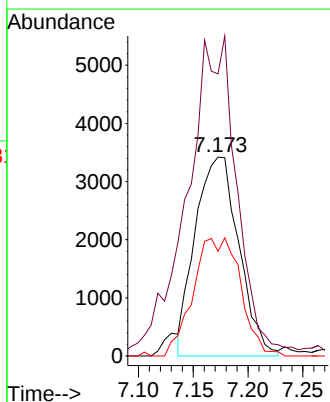
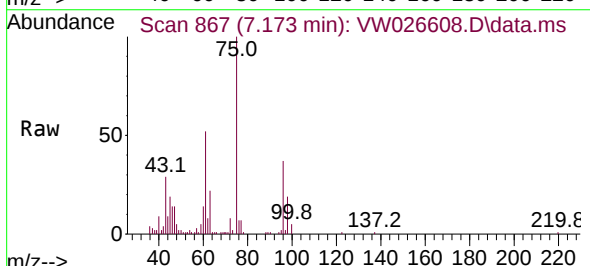
Manual Integrations
APPROVED

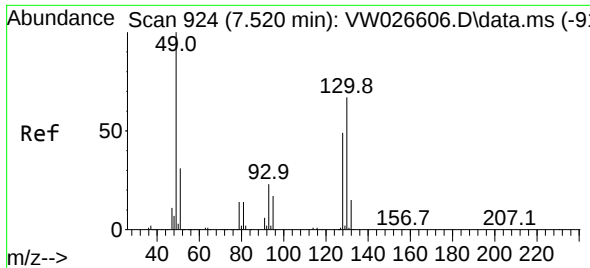
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#20
cis-1,2-Dichloroethene
Concen: 0.997 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

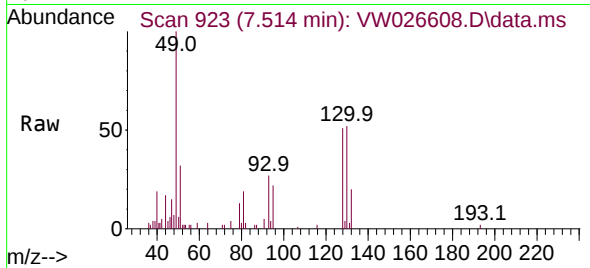
Tgt Ion: 96 Resp: 9479
Ion Ratio Lower Upper
96 100
61 141.8 98.8 183.6
98 52.6 42.4 78.6





#23
Bromochloromethane
Concen: 1.143 ug/L
RT: 7.514 min Scan# 912
Delta R.T. -0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

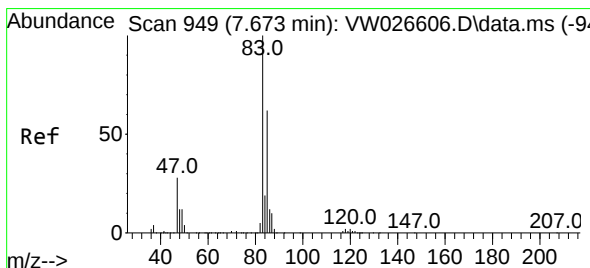
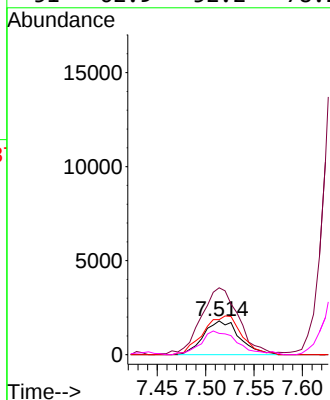
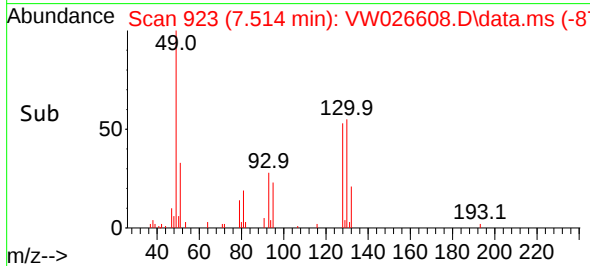
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:128 Resp: 4654
Ion Ratio Lower Upper
128 100
49 197.7 142.1 263.9
130 103.8 92.9 172.5
51 62.9 52.2 78.2

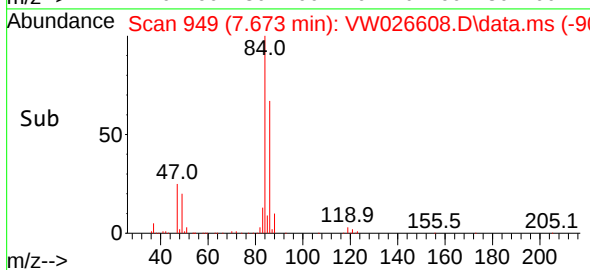
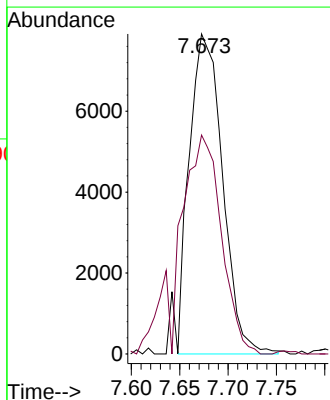
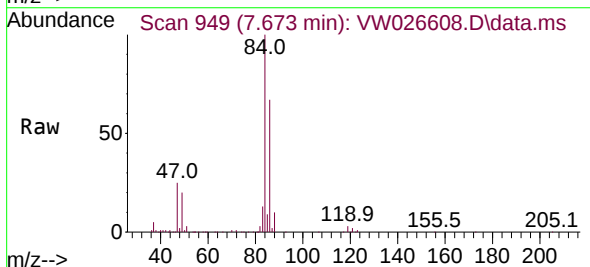
Manual Integrations
APPROVED

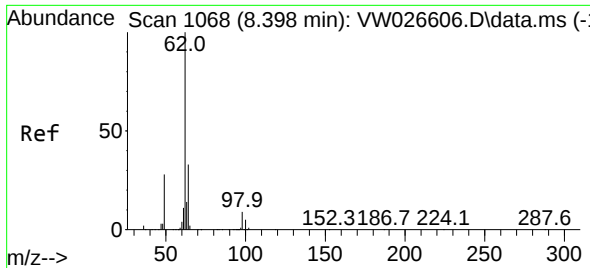
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#25
Chloroform
Concen: 1.125 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

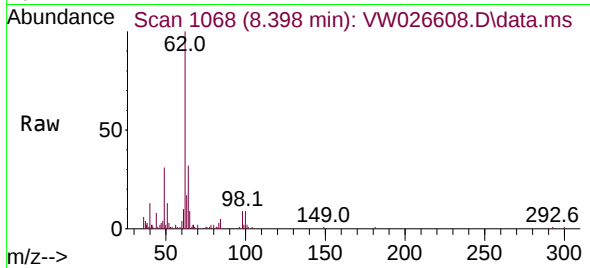
Tgt Ion: 83 Resp: 18920
Ion Ratio Lower Upper
83 100
85 68.4 45.7 84.9





#27
1,2-Dichloroethane
Concen: 1.145 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

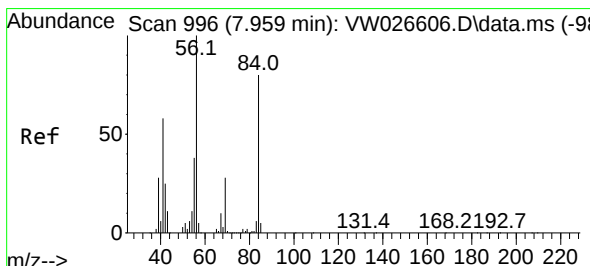
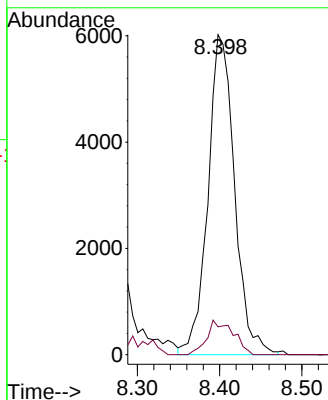
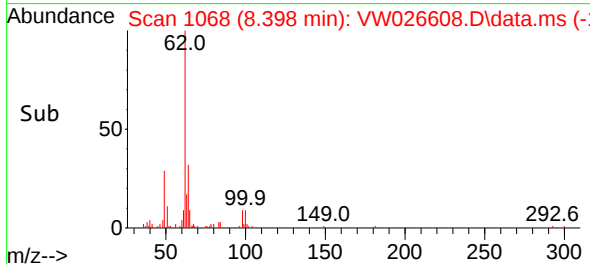
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2023-06



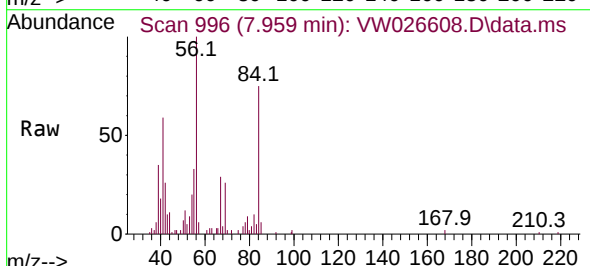
Tgt Ion: 62 Resp: 1356
Ion Ratio Lower Upper
62 100
98 8.7 6.7 10.1

Manual Integrations
APPROVED

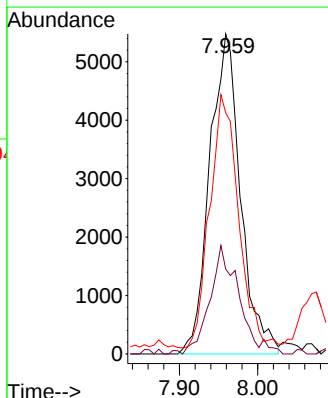
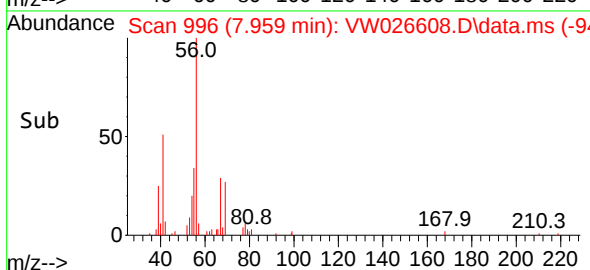
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

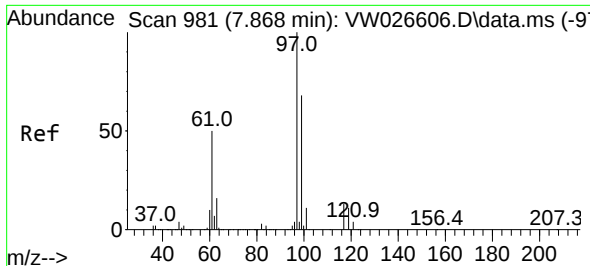


#29
Cyclohexane
Concen: 0.832 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22



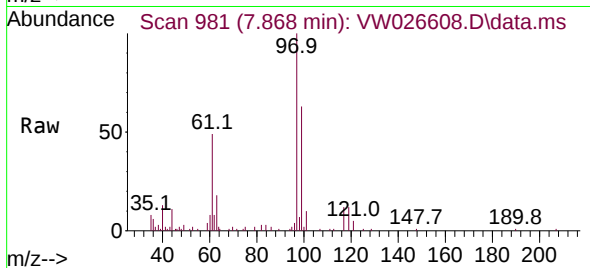
Tgt Ion: 56 Resp: 15015
Ion Ratio Lower Upper
56 100
69 21.3 23.4 35.0#
84 77.3 62.6 94.0





#30
1,1,1-Trichloroethane
Concen: 1.005 ug/L
RT: 7.868 min Scan# 981
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

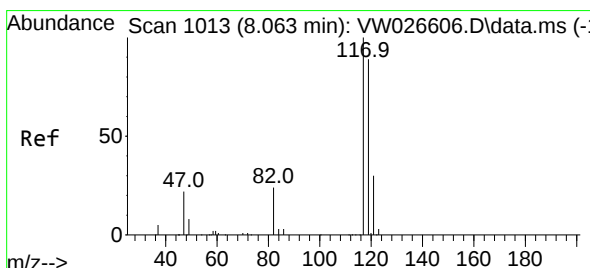
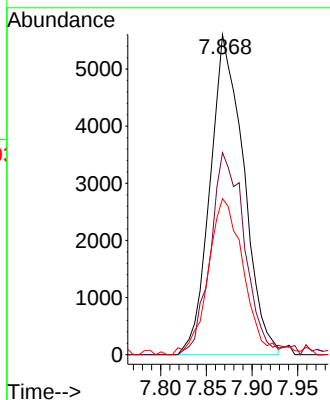
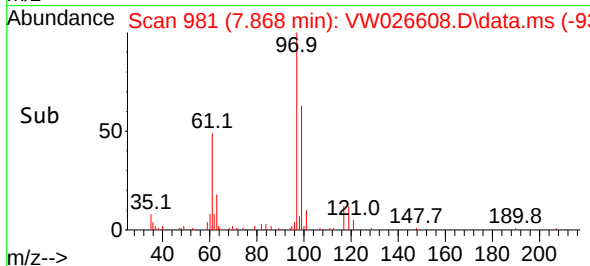
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 97 Resp: 14284
Ion Ratio Lower Upper
97 100
99 63.6 49.9 74.9
61 50.0 39.8 59.8

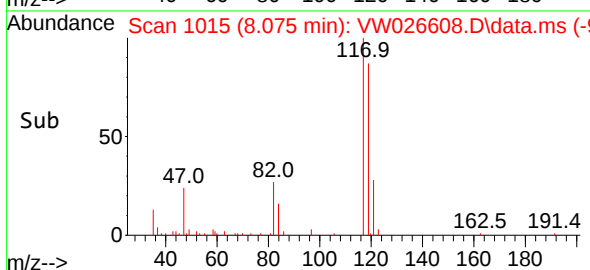
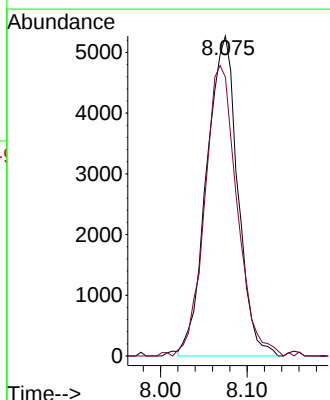
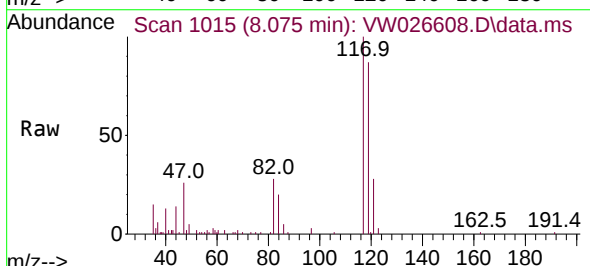
Manual Integrations
APPROVED

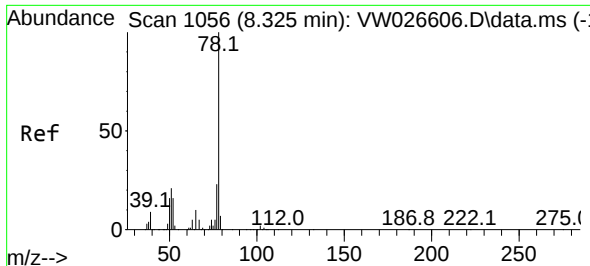
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#31
Carbon tetrachloride
Concen: 1.024 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. 0.012 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

Tgt Ion:117 Resp: 13199
Ion Ratio Lower Upper
117 100
119 93.9 77.1 115.7





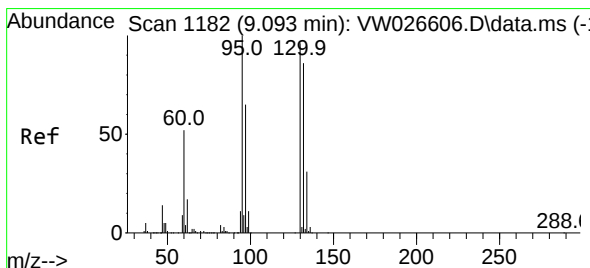
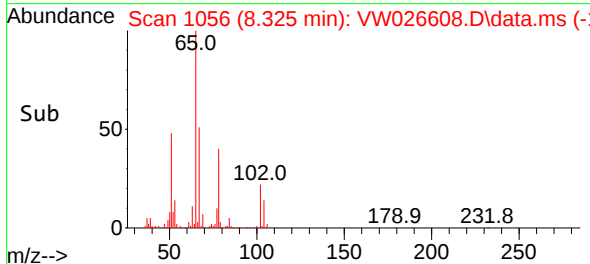
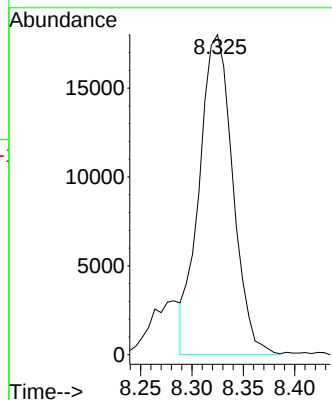
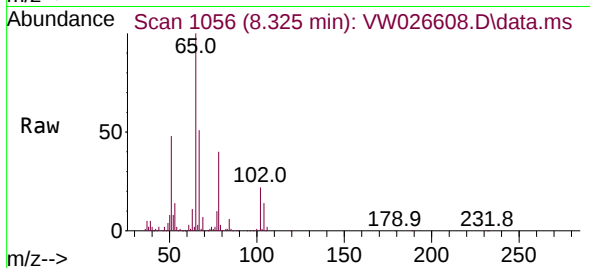
#33
Benzene
Concen: 1.025 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2023-06

Tgt Ion: 78 Resp: 4094

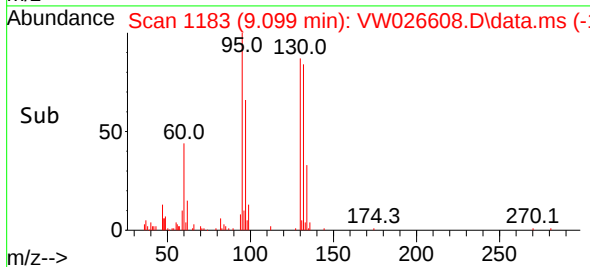
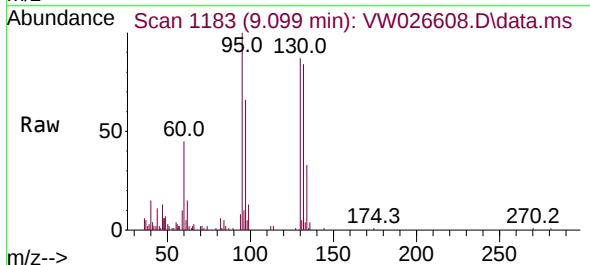
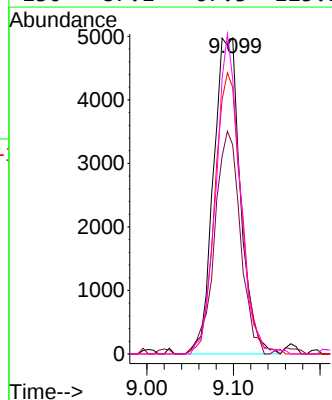
Manual Integrations
APPROVED

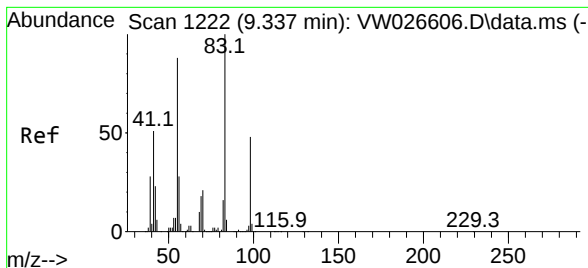
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#34
Trichloroethene
Concen: 1.048 ug/L
RT: 9.099 min Scan# 1183
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

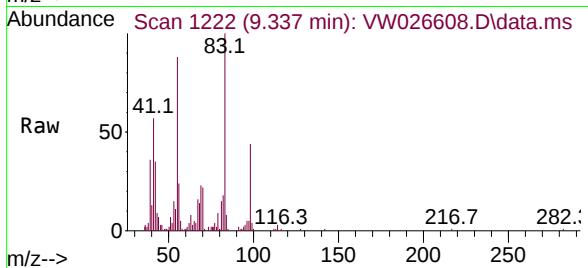
Tgt Ion: 95 Resp: 10746
Ion Ratio Lower Upper
95 100
97 66.2 47.9 88.9
132 84.4 65.0 120.8
130 87.1 67.3 125.1





#35
Methylcyclohexane
Concen: 0.847 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

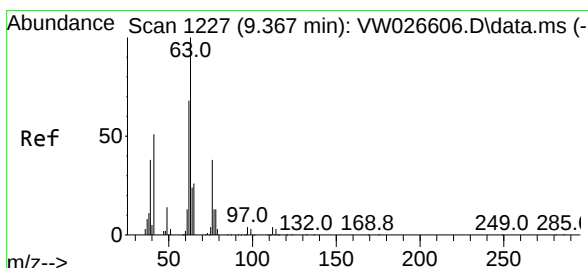
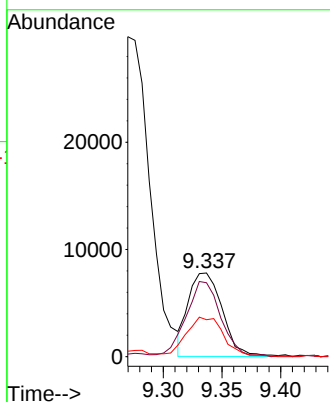
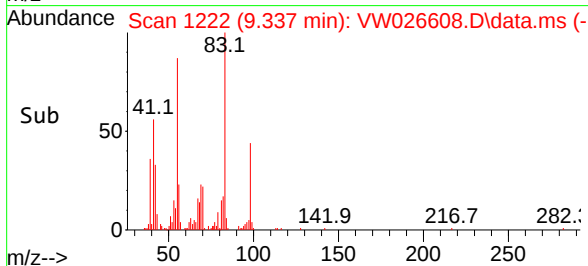
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2023-06



Tgt Ion: 83 Resp: 1559
Ion Ratio Lower Upper
83 100
55 91.5 68.7 103.1
98 52.2 37.3 55.9

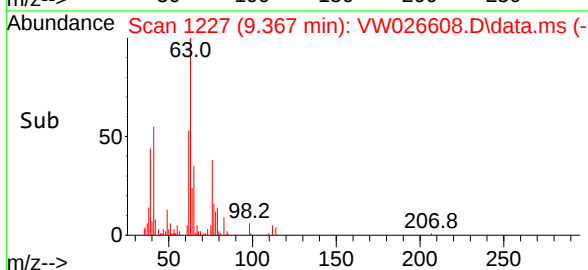
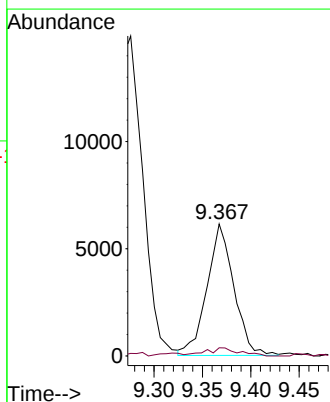
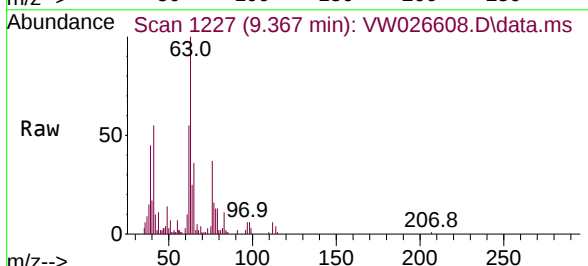
Manual Integrations
APPROVED

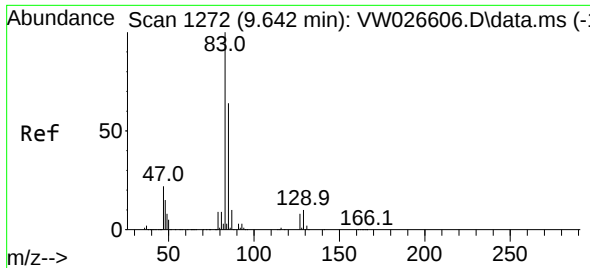
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#37
1,2-Dichloropropane
Concen: 1.117 ug/L
RT: 9.367 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

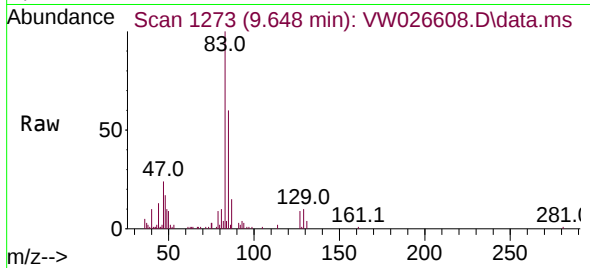
Tgt Ion: 63 Resp: 11848
Ion Ratio Lower Upper
63 100
112 1.8 3.4 5.2#





#38
Bromodichloromethane
Concen: 1.036 ug/L
RT: 9.648 min Scan# 1272
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

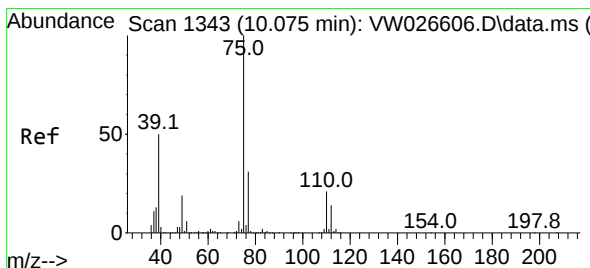
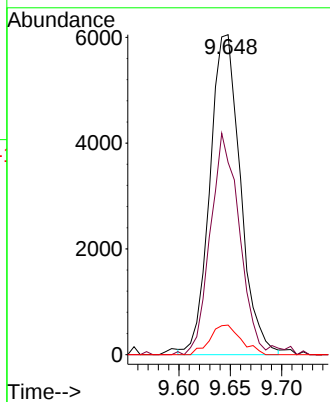
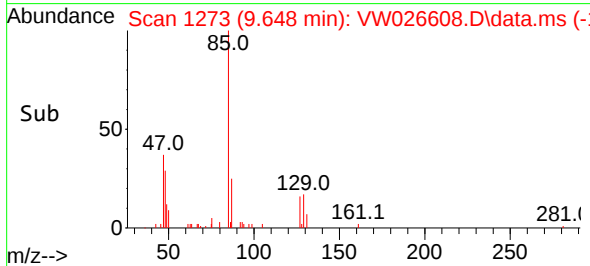
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 83 Resp: 1248
Ion Ratio Lower Upper
83 100
85 60.1 43.3 80.3
127 9.3 6.6 10.0

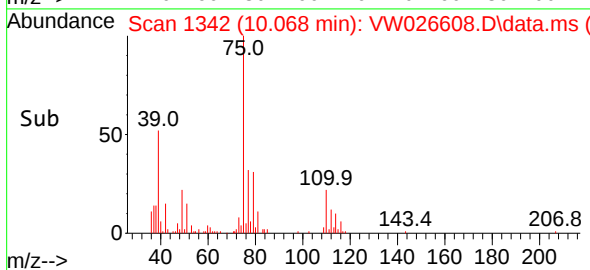
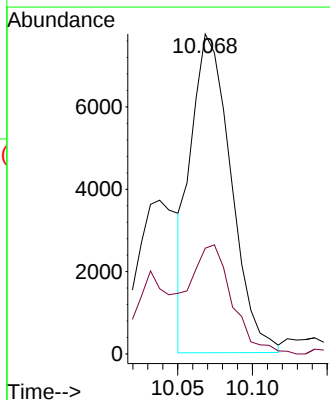
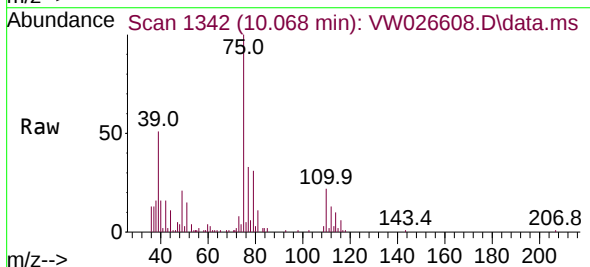
Manual Integrations
APPROVED

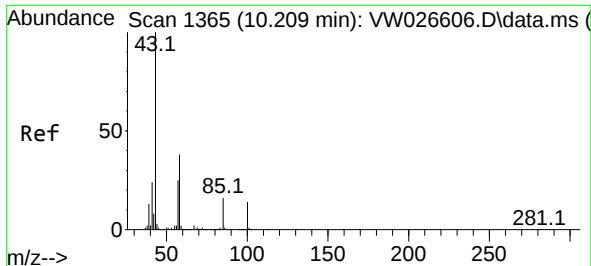
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#39
cis-1,3-Dichloropropene
Concen: 0.944 ug/L
RT: 10.068 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

Tgt Ion: 75 Resp: 14419
Ion Ratio Lower Upper
75 100
77 33.1 21.4 39.8





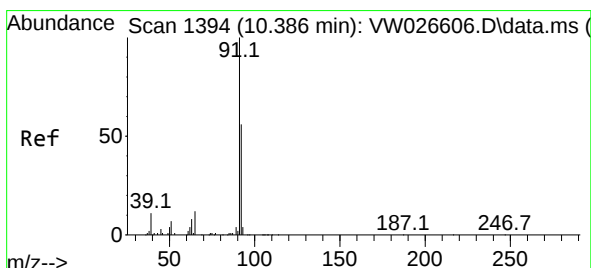
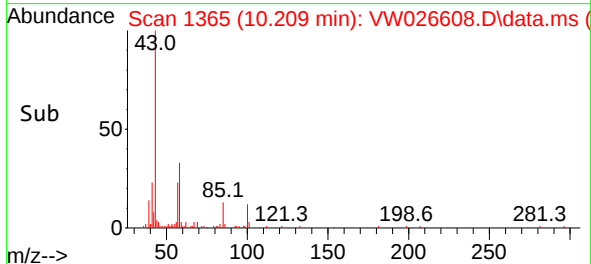
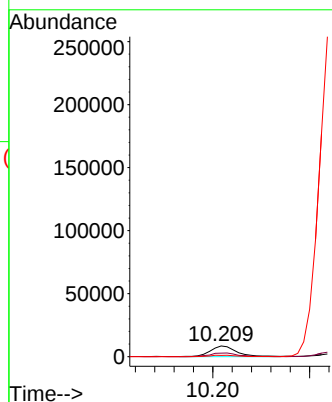
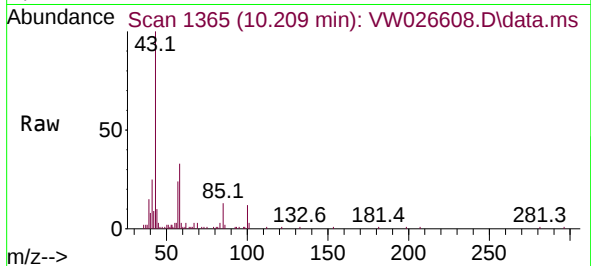
#40
4-Methyl-2-pentanone
Concen: 2.019 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion: 43 Resp: 1615
Ion Ratio Lower Upper
43 100
58 37.0 29.8 44.8
100 14.3 10.7 16.1

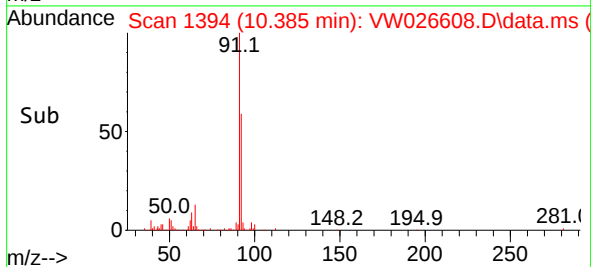
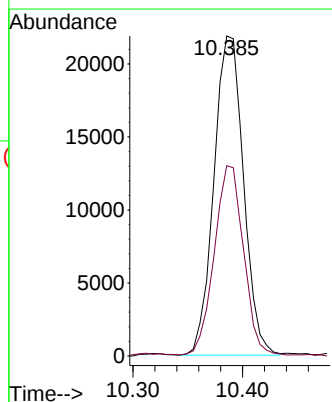
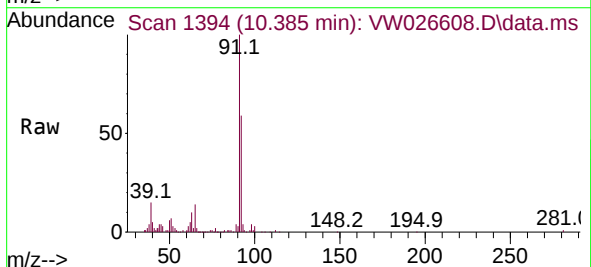
Manual Integrations
APPROVED

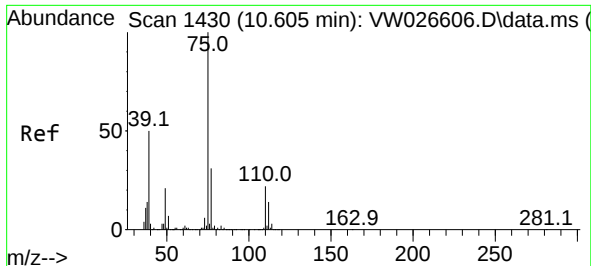
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#42
Toluene
Concen: 1.018 ug/L
RT: 10.385 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

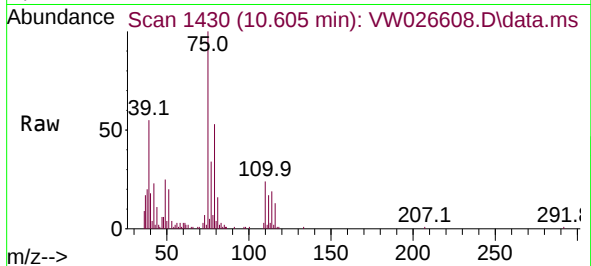
Tgt Ion: 91 Resp: 41049
Ion Ratio Lower Upper
91 100
92 59.5 39.5 73.3





#44
trans-1,3-Dichloropropene
Concen: 1.162 ug/L m
RT: 10.605 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

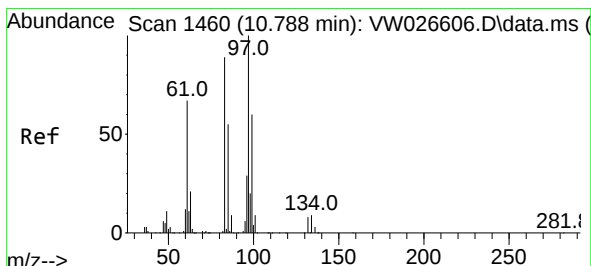
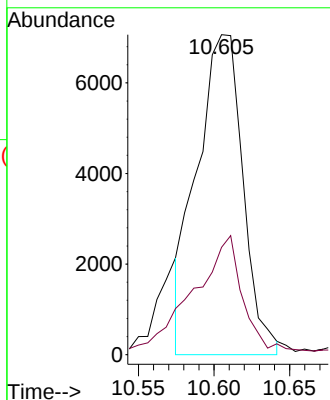
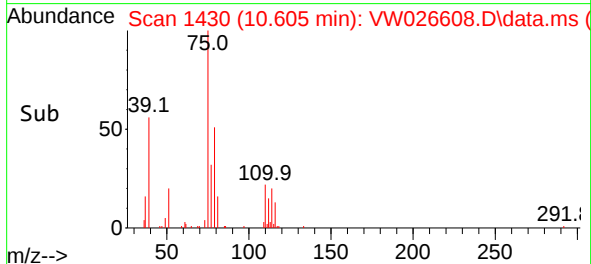
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 75 Resp: 14964
Ion Ratio Lower Upper
75 100
77 33.5 23.0 42.6

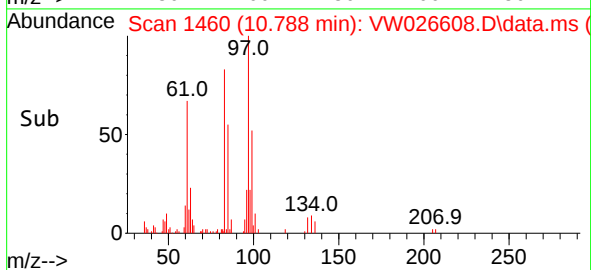
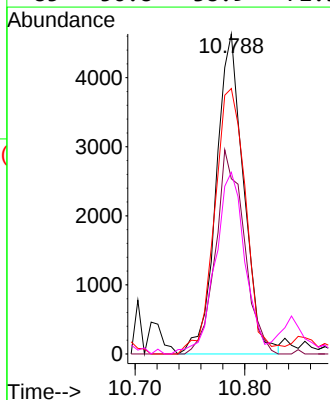
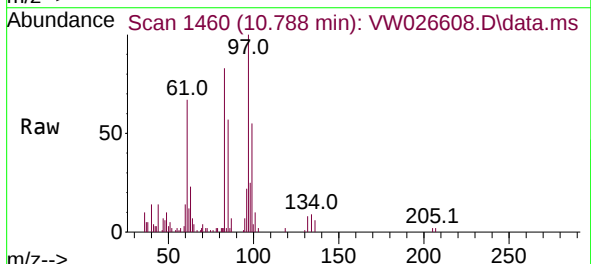
Manual Integrations
APPROVED

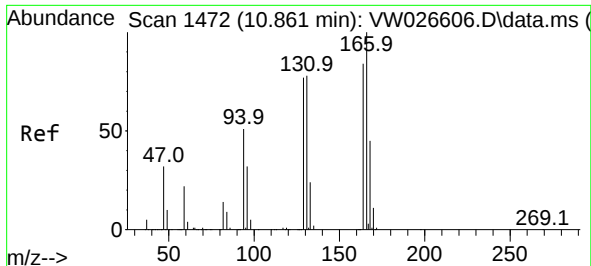
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#45
1,1,2-Trichloroethane
Concen: 1.086 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

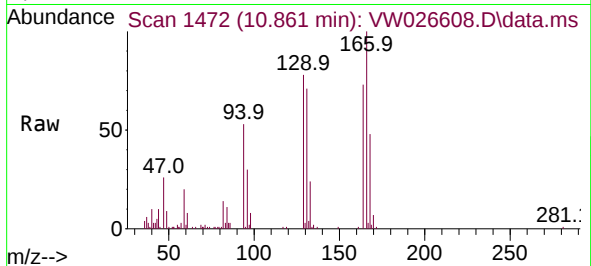
Tgt Ion: 97 Resp: 8038
Ion Ratio Lower Upper
97 100
99 54.7 40.5 75.3
83 82.9 61.0 113.2
85 56.8 38.9 72.3





#46
Tetrachloroethene
Concen: 1.028 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

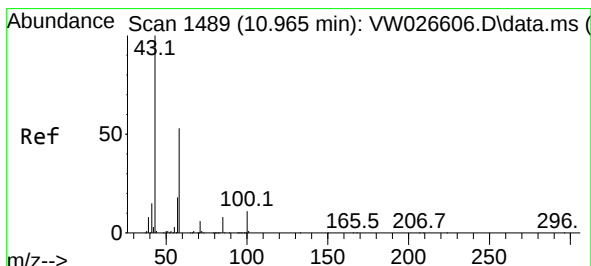
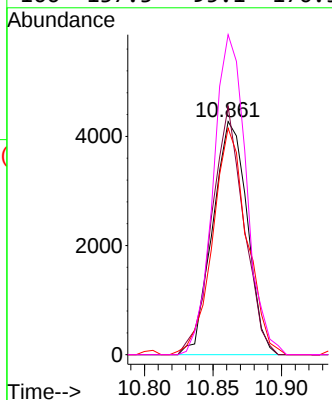
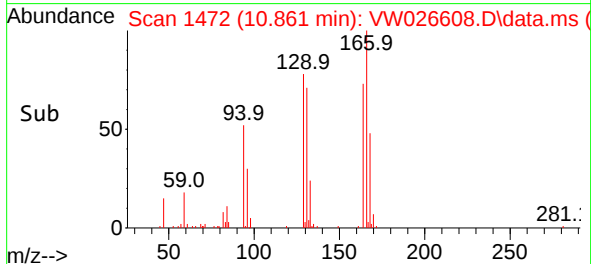
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2023-06



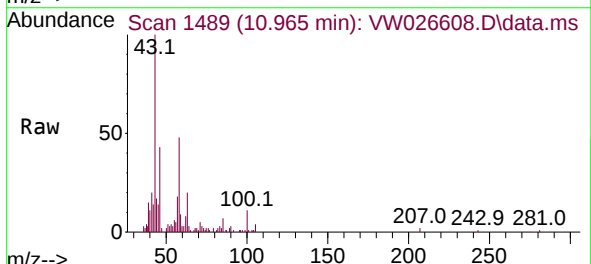
Tgt Ion:164 Resp: 7484
Ion Ratio Lower Upper
164 100
129 106.5 75.5 140.1
131 97.2 74.8 138.8
166 137.3 95.1 176.5

Manual Integrations
APPROVED

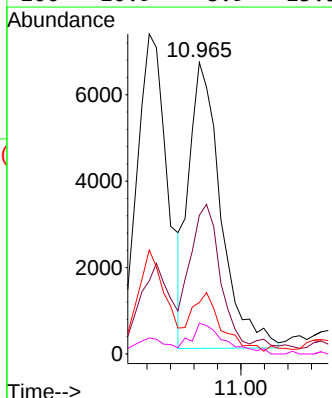
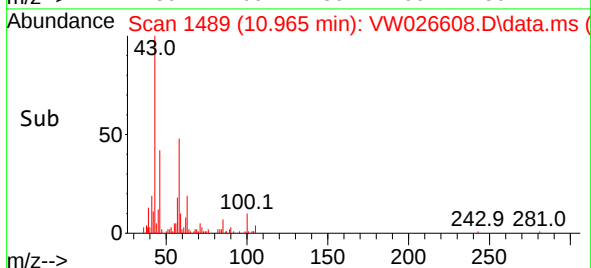
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

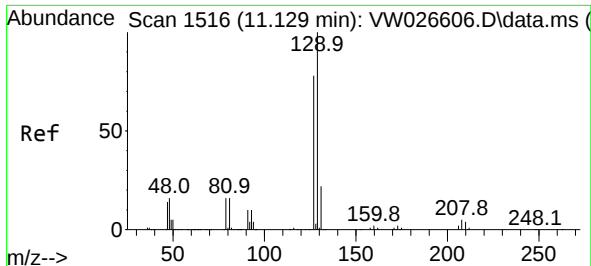


#48
2-Hexanone
Concen: 2.249 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22



Tgt Ion: 43 Resp: 12563
Ion Ratio Lower Upper
43 100
58 50.9 42.1 63.1
57 18.6 14.8 22.2
100 10.9 8.9 13.3





#49

Dibromochloromethane

Concen: 1.011 ug/L

RT: 11.129 min Scan# 1516

Delta R.T. -0.000 min

Lab File: VW026608.D

Acq: 13 Jul 2023 10:22

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2023-06

Tgt Ion:129 Resp: 740

Ion Ratio Lower Upper

129 100

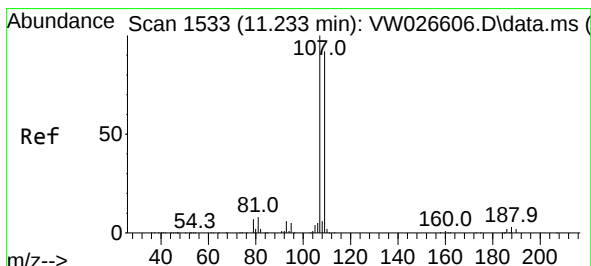
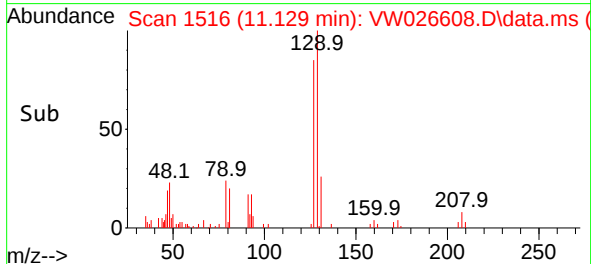
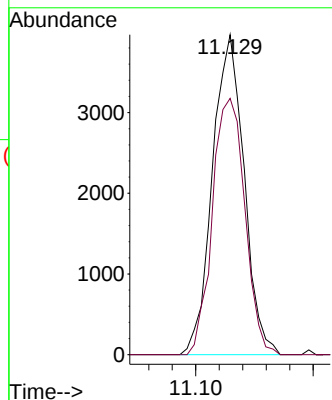
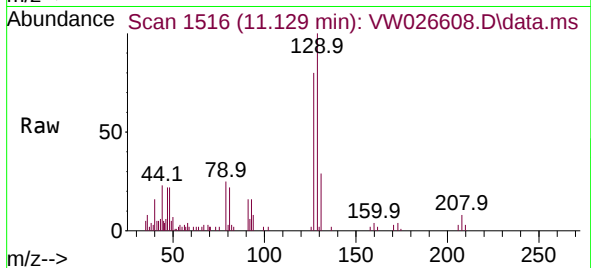
127 80.1 51.2 95.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#50

1,2-Dibromoethane

Concen: 1.120 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. -0.000 min

Lab File: VW026608.D

Acq: 13 Jul 2023 10:22

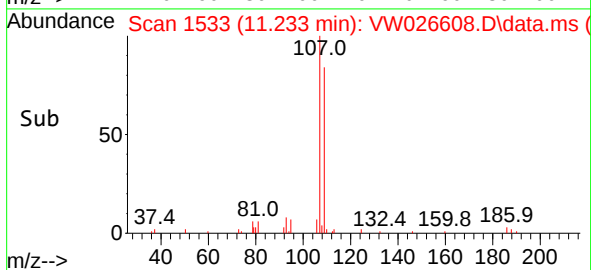
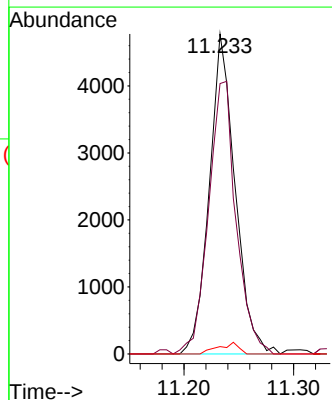
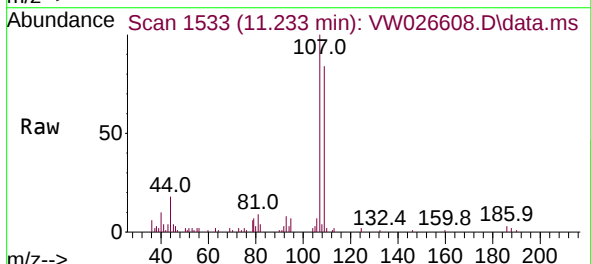
Tgt Ion:107 Resp: 7816

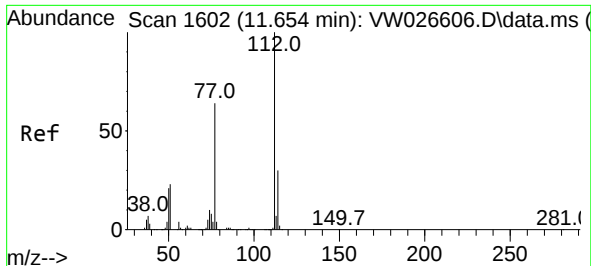
Ion Ratio Lower Upper

107 100

109 84.5 62.9 116.7

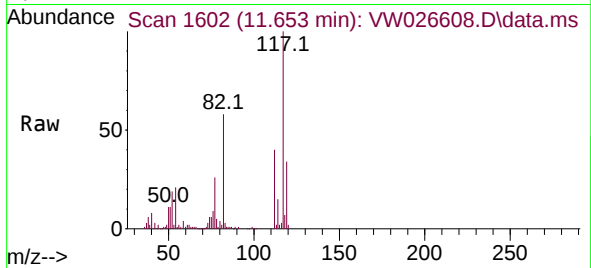
188 2.3 2.8 4.2#





#51
Chlorobenzene
Concen: 1.075 ug/L
RT: 11.653 min Scan# 1160
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

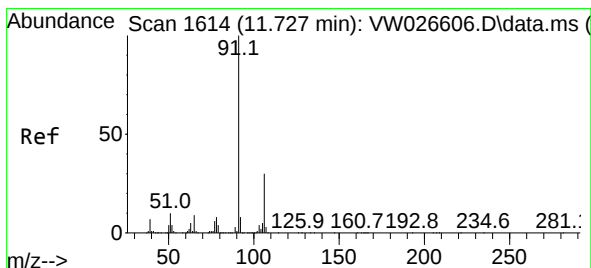
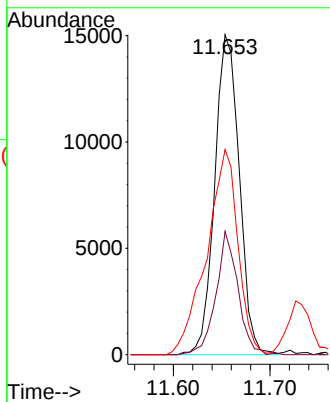
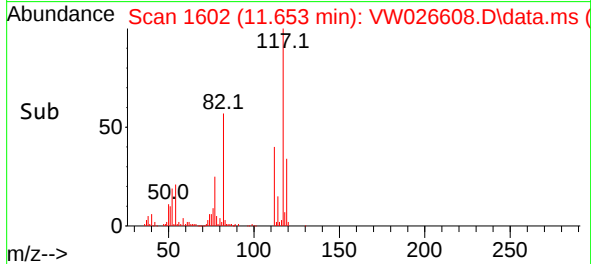
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:112 Resp: 2658
Ion Ratio Lower Upper
112 100
114 38.5 21.6 40.2
77 64.1 50.3 75.5

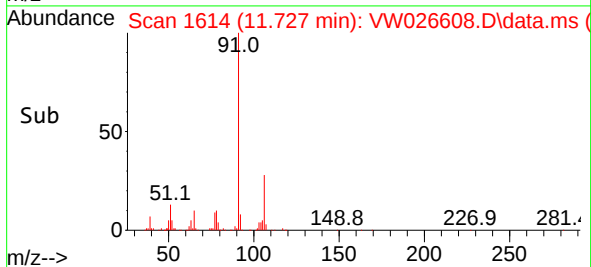
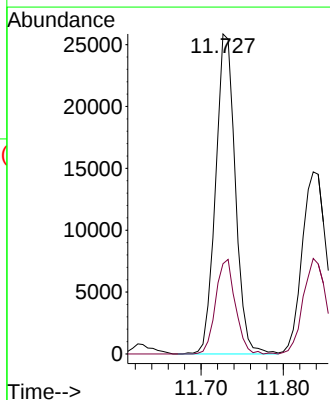
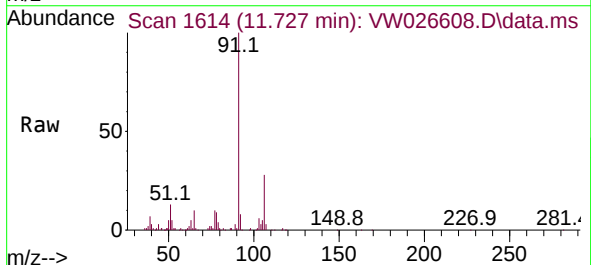
Manual Integrations
APPROVED

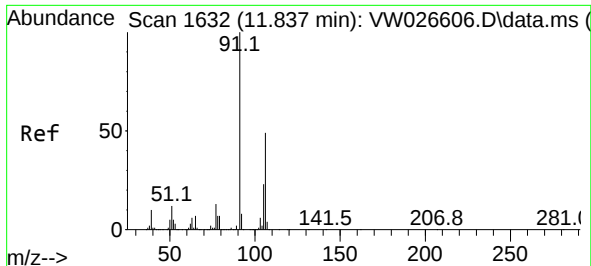
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#52
Ethylbenzene
Concen: 0.958 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

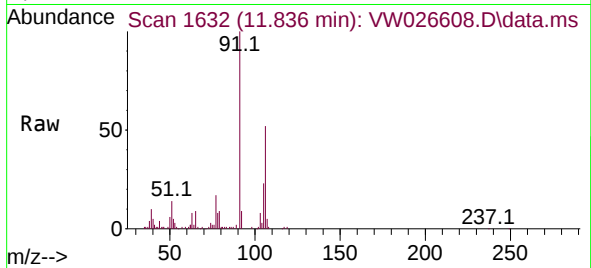
Tgt Ion: 91 Resp: 43013
Ion Ratio Lower Upper
91 100
106 28.2 20.8 38.6





#53
m,p-Xylene
Concen: 0.915 ug/L
RT: 11.836 min Scan# 1183
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

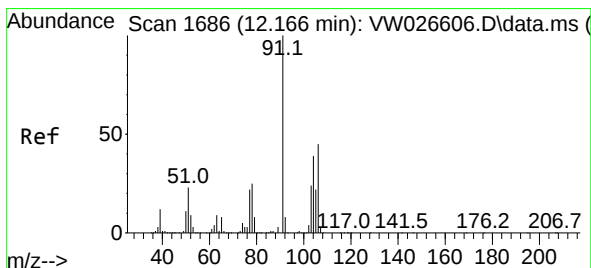
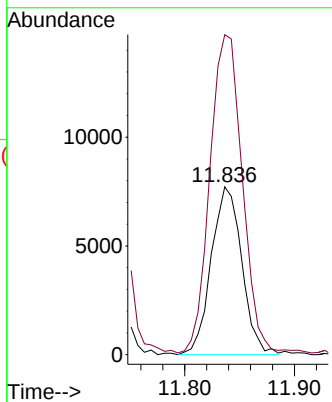
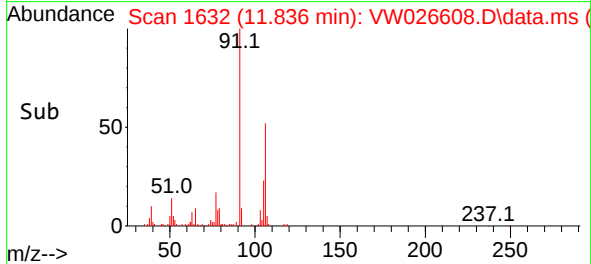
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



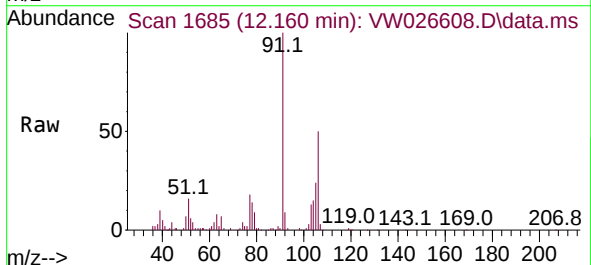
Tgt Ion:106 Resp: 14954
Ion Ratio Lower Upper
106 100
91 190.6 150.3 279.1

Manual Integrations
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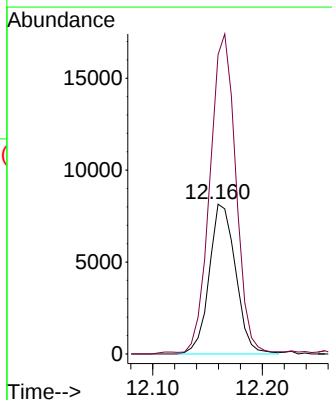
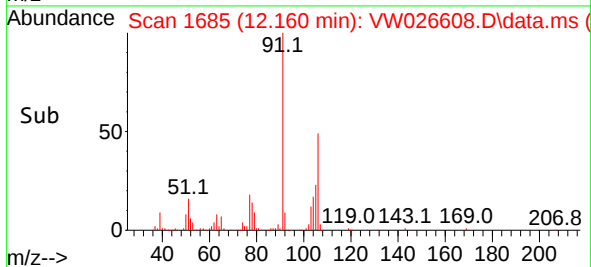
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

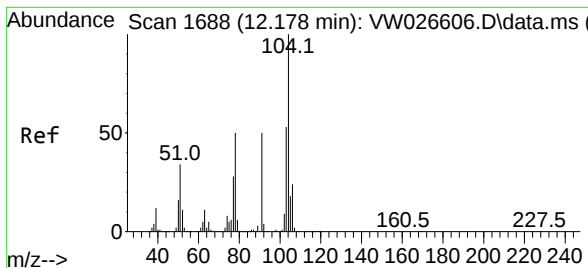


#54
o-Xylene
Concen: 0.890 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22



Tgt Ion:106 Resp: 13649
Ion Ratio Lower Upper
106 100
91 199.9 154.3 286.5





#55

Styrene

Concen: 0.822 ug/L

RT: 12.178 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW026608.D

Acq: 13 Jul 2023 10:22

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2023-06

Tgt Ion:104 Resp: 21258

Ion Ratio Lower Upper

104 100

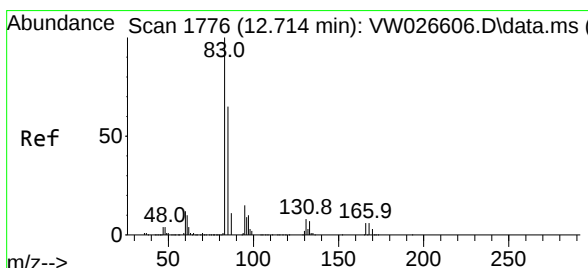
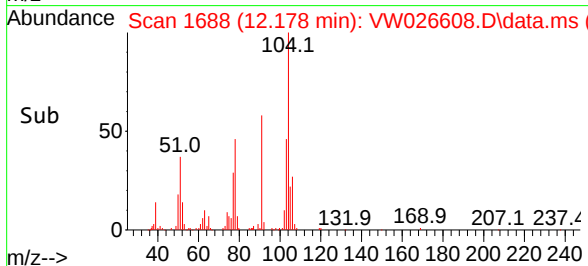
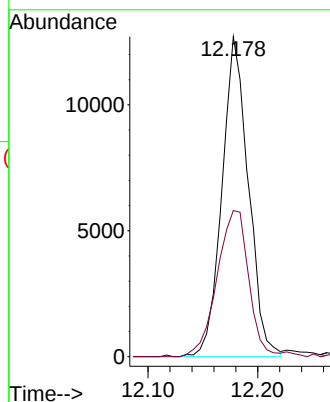
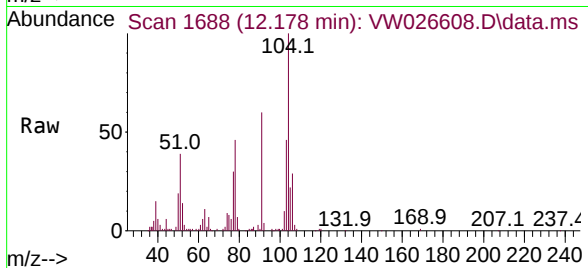
78 45.6 34.6 64.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#57

1,1,2,2-Tetrachloroethane

Concen: 1.160 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW026608.D

Acq: 13 Jul 2023 10:22

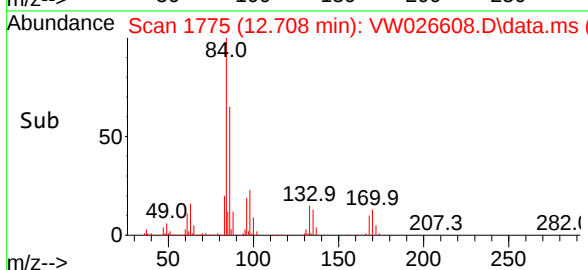
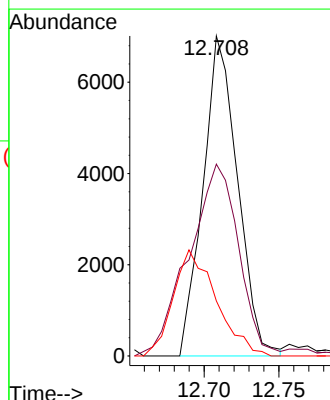
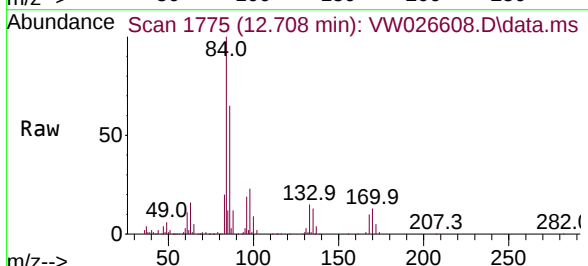
Tgt Ion: 83 Resp: 11269

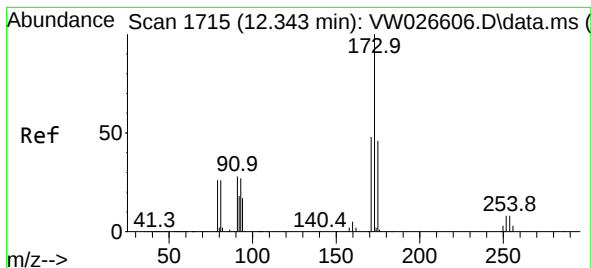
Ion Ratio Lower Upper

83 100

85 59.9 46.2 85.8

131 17.2 7.2 10.8#





#59

Bromoform

Concen: 1.036 ug/L

RT: 12.348 min Scan# 1715

Delta R.T. 0.006 min

Lab File: VW026608.D

Acq: 13 Jul 2023 10:22

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT3-2023-06

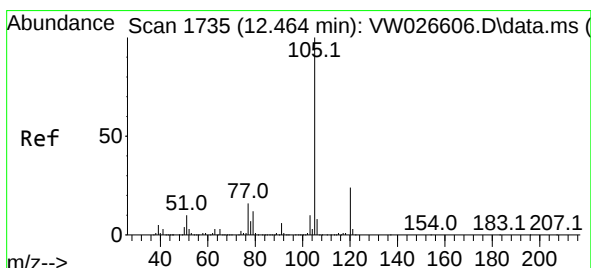
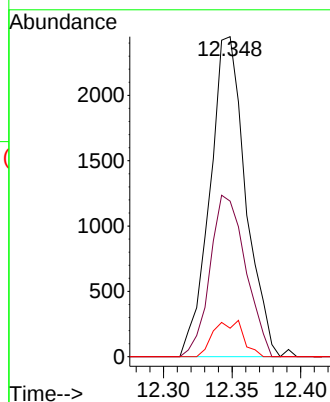
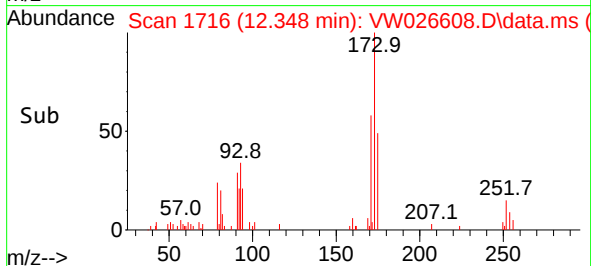
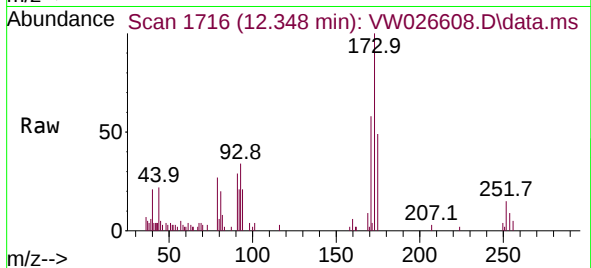
Tgt Ion:	173	Resp:	4438
Ion Ratio	Lower	Upper	
173	100		
175	50.3	36.6	54.8
254	6.1	7.8	11.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#60

Isopropylbenzene

Concen: 0.842 ug/L

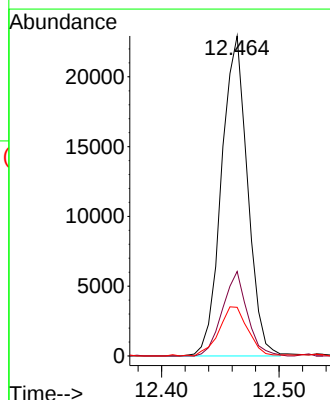
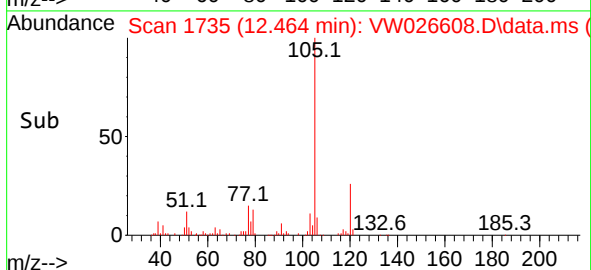
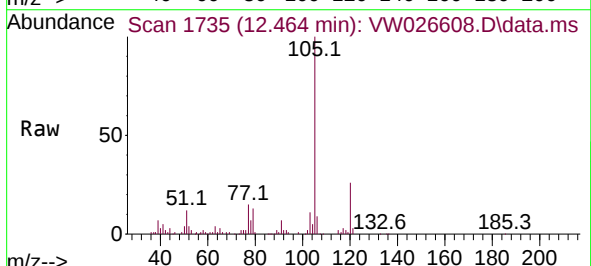
RT: 12.464 min Scan# 1735

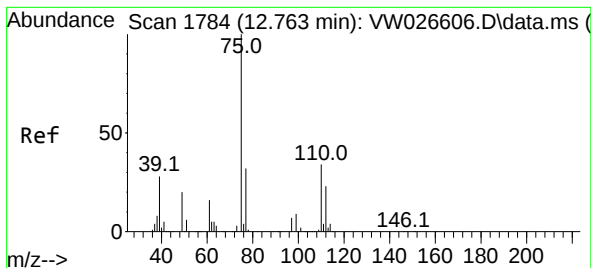
Delta R.T. -0.000 min

Lab File: VW026608.D

Acq: 13 Jul 2023 10:22

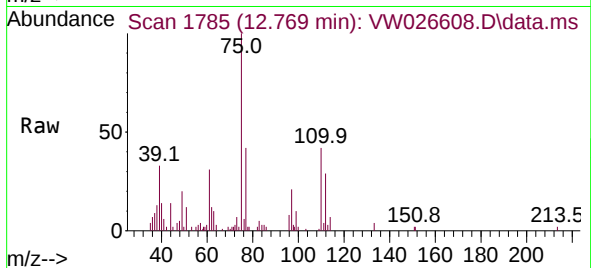
Tgt Ion:	105	Resp:	35308
Ion Ratio	Lower	Upper	
105	100		
120	25.1	20.5	30.7
77	17.0	13.4	20.2





#61
1,2,3-Trichloropropane
Concen: 1.100 ug/L
RT: 12.769 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

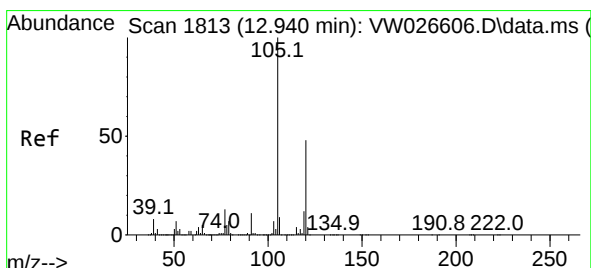
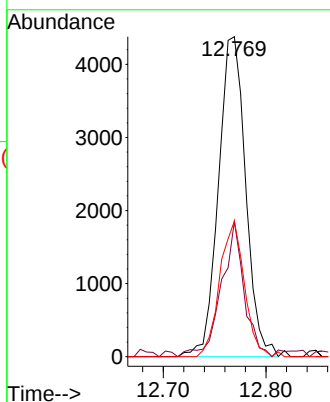
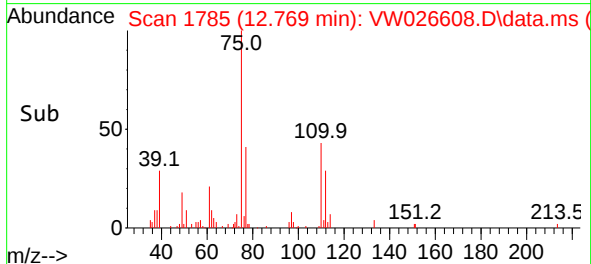
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 75 Resp: 804
Ion Ratio Lower Upper
75 100
77 34.1 25.7 38.5
110 38.4 28.3 42.5

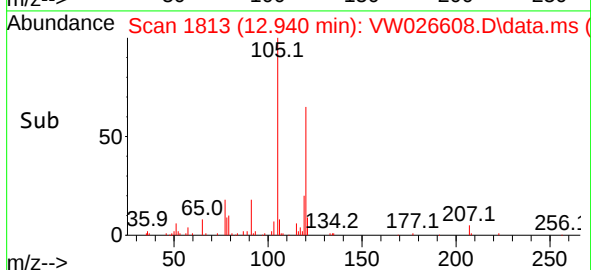
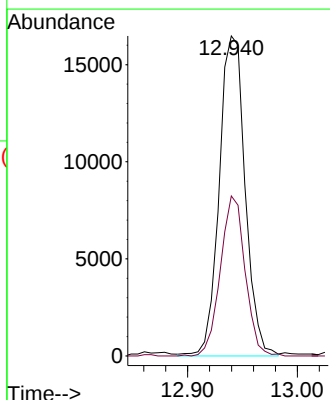
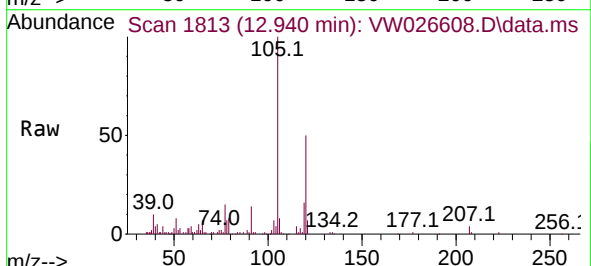
Manual Integrations
APPROVED

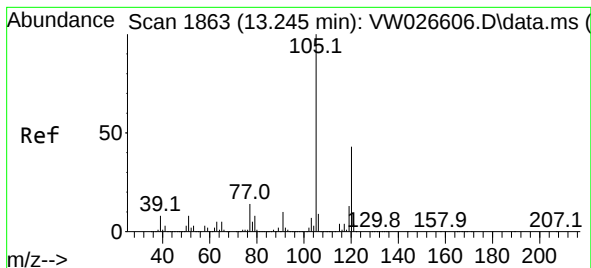
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#62
1,3,5-Trimethylbenzene
Concen: 0.842 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

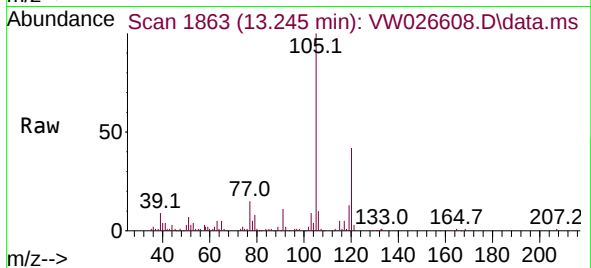
Tgt Ion:105 Resp: 27076
Ion Ratio Lower Upper
105 100
120 47.6 38.4 57.6





#63
1,2,4-Trimethylbenzene
Concen: 0.787 ug/L
RT: 13.245 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

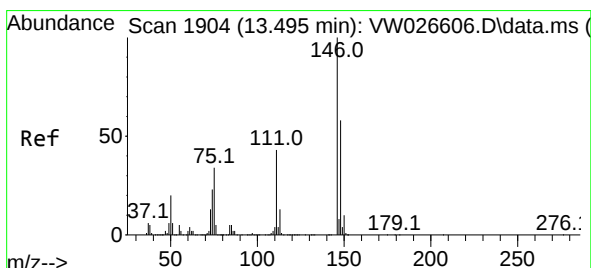
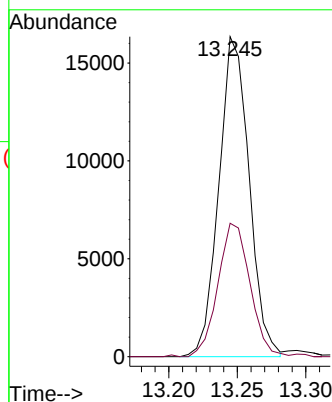
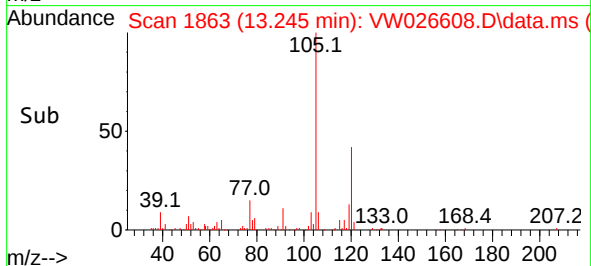
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



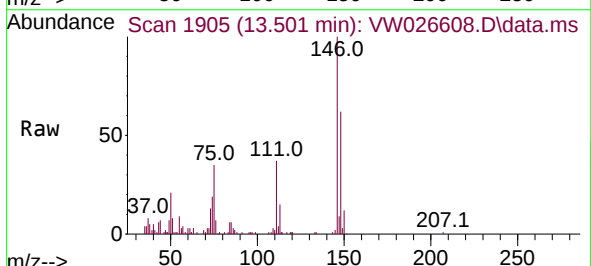
Tgt Ion:105 Resp: 25100
Ion Ratio Lower Upper
105 100
120 44.2 35.2 52.8

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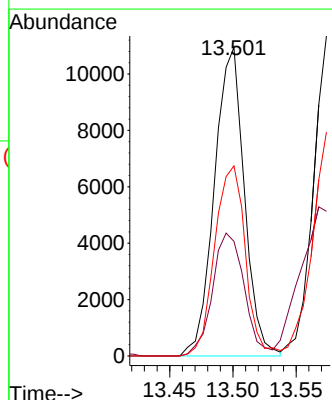
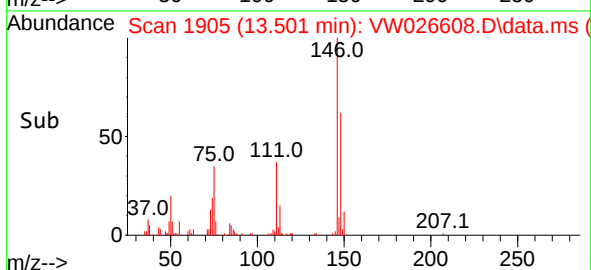
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

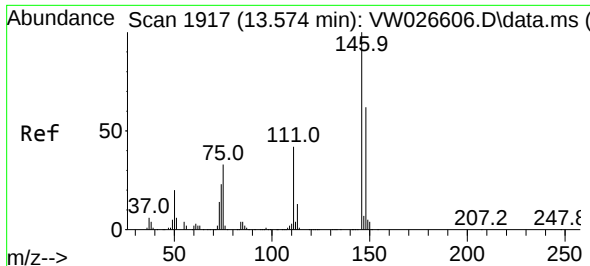


#64
1,3-Dichlorobenzene
Concen: 1.025 ug/L
RT: 13.501 min Scan# 1905
Delta R.T. 0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22



Tgt Ion:146 Resp: 18023
Ion Ratio Lower Upper
146 100
111 37.1 30.4 56.4
148 61.6 44.4 82.4





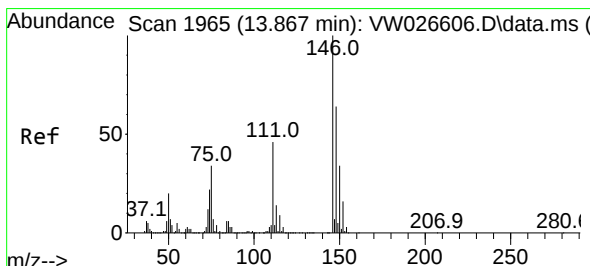
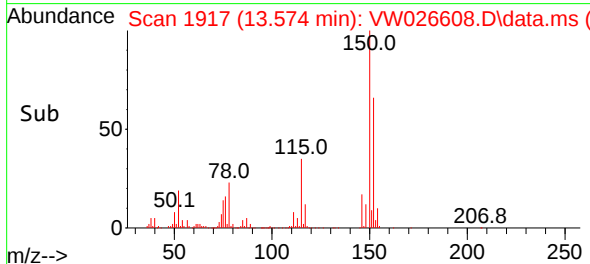
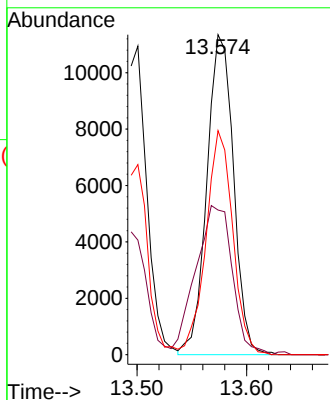
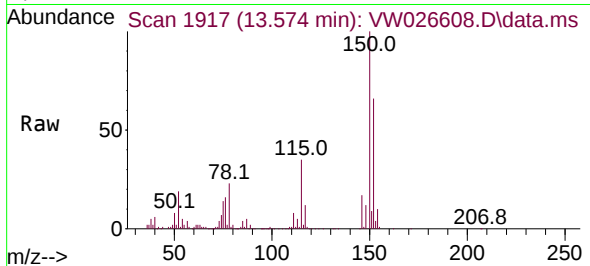
#65
1,4-Dichlorobenzene
Concen: 1.095 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT3-2023-06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.2	29.7	55.1
148	70.0	45.4	84.4

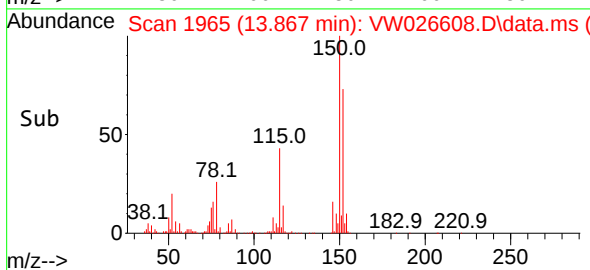
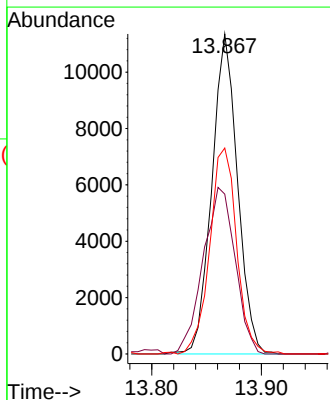
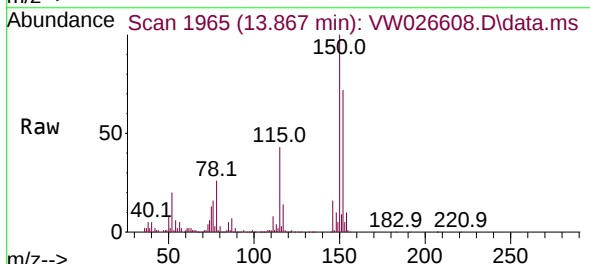
Manual Integrations
APPROVED

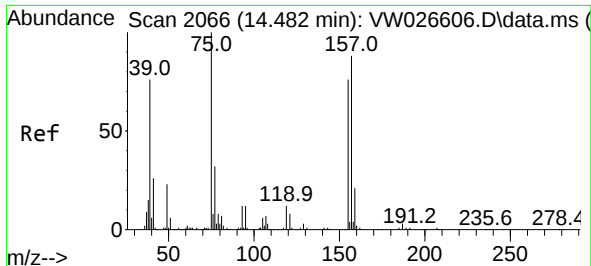
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#67
1,2-Dichlorobenzene
Concen: 1.187 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

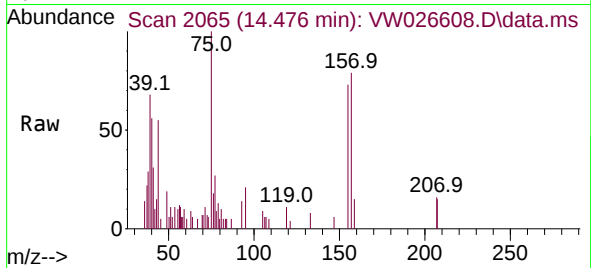
Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.9	31.8	47.8#
148	64.4	46.9	70.3





#68
1,2-Dibromo-3-chloropropane
Concen: 1.253 ug/L
RT: 14.476 min Scan# 2065
Delta R.T. -0.006 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

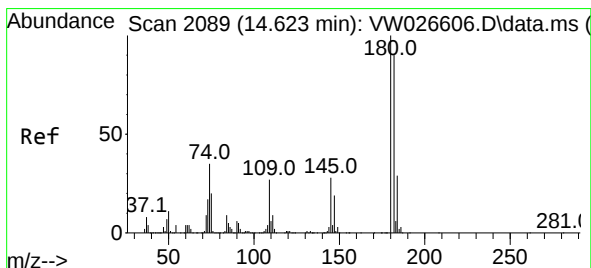
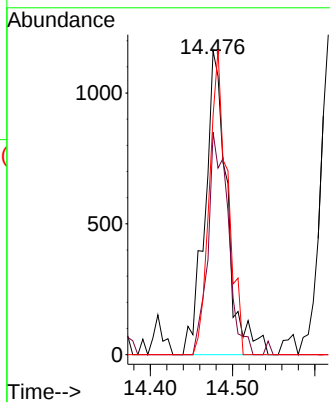
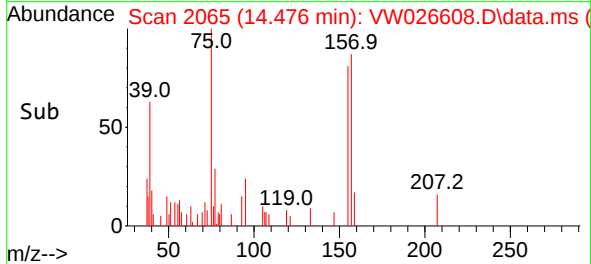
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 75 Resp: 218
Ion Ratio Lower Upper
75 100
155 73.2 49.1 73.7
157 78.6 60.6 90.8

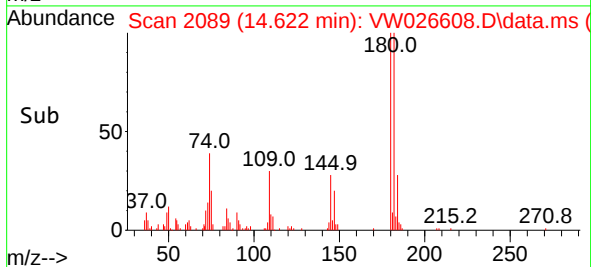
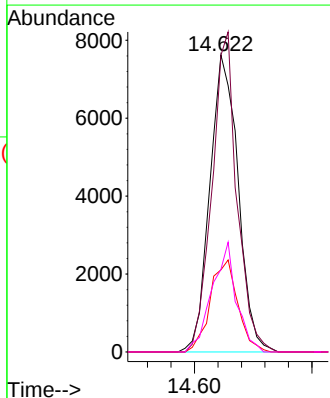
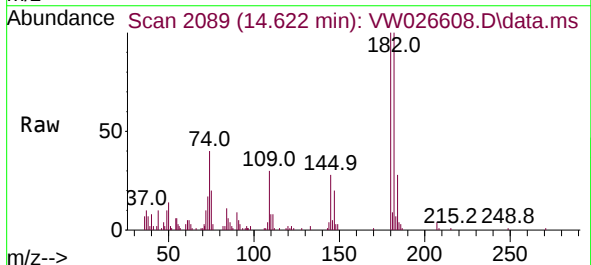
Manual Integrations
APPROVED

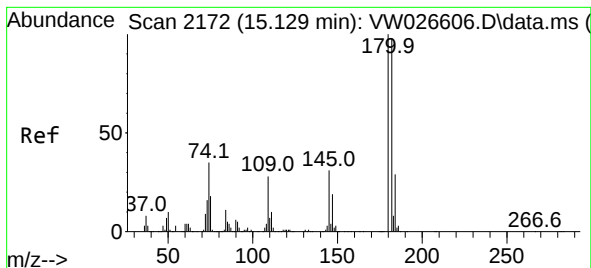
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#69
1,3,5-Trichlorobenzene
Concen: 1.095 ug/L
RT: 14.622 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

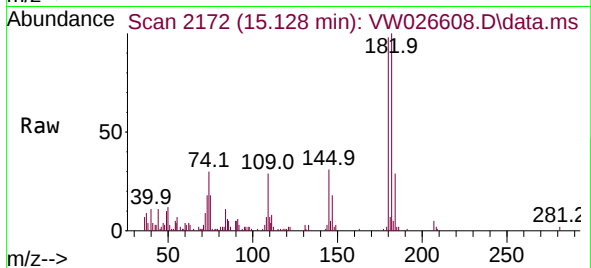
Tgt Ion:180 Resp: 12752
Ion Ratio Lower Upper
180 100
182 94.9 75.8 113.6
184 30.2 23.7 35.5
145 32.0 24.6 36.8





#70
1,2,4-trichlorobenzene
Concen: 1.068 ug/L
RT: 15.128 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

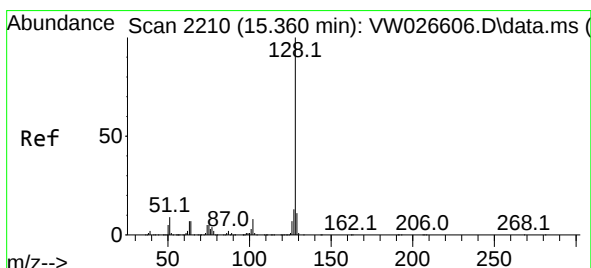
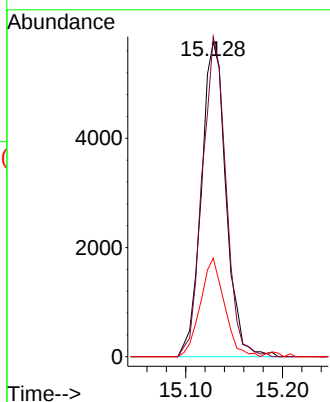
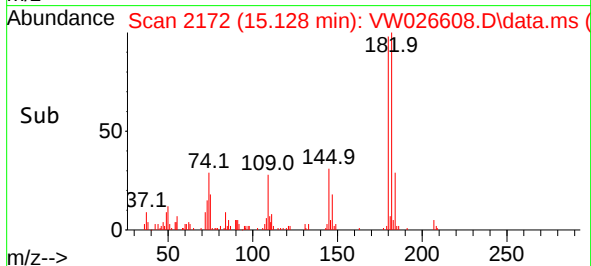
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



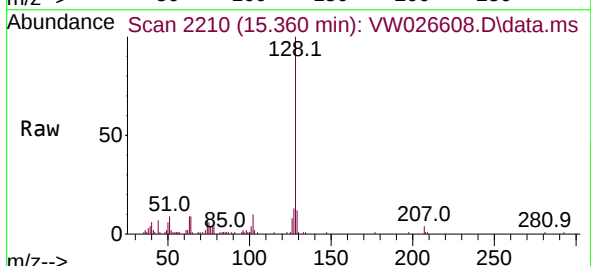
Tgt Ion:180 Resp: 10198
Ion Ratio Lower Upper
180 100
182 97.6 73.5 110.3
145 30.5 25.0 37.6

Manual Integrations
APPROVED

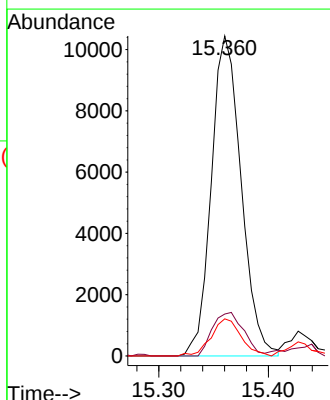
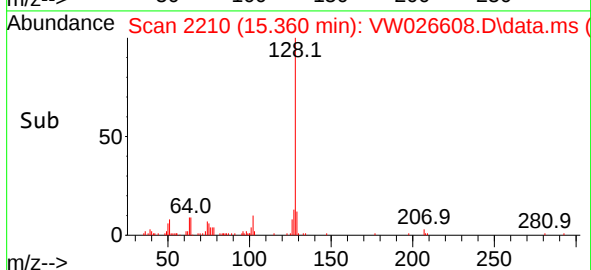
Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

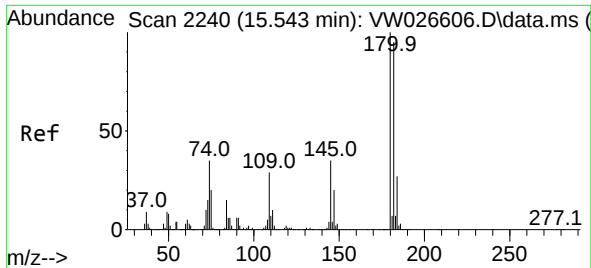


#71
Naphthalene
Concen: 0.915 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22



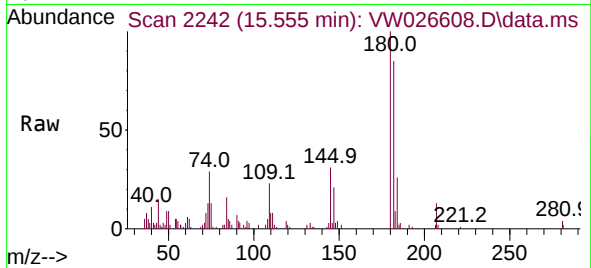
Tgt Ion:128 Resp: 19788
Ion Ratio Lower Upper
128 100
127 14.3 10.6 16.0
129 11.4 8.7 13.1





#72
1,2,3-Trichlorobenzene
Concen: 1.009 ug/L
RT: 15.555 min Scan# 21
Delta R.T. 0.012 min
Lab File: VW026608.D
Acq: 13 Jul 2023 10:22

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion	Ratio	Lower	Upper
180	100		
182	102.8	75.2	112.8
145	38.2	26.6	40.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

