

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120823\
 Data File : VW027582.D
 Acq On : 08 Dec 2023 10:09
 Operator : SY/MD
 Sample : 04696-04
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT4-2023-08

Manual Integrations
 APPROVED

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

Quant Time: Dec 09 02:09:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120623SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Dec 09 02:01:24 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	232552	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	198541	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	91167	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	89315	19.085	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	76.360%
7) Chloroethane-d5	2.905	69	67049	19.764	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.040%
11) 1,1-Dichloroethene-d2	4.027	65	37966	19.173	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	76.680%
21) 2-Butanone-d5	7.081	46	40213m	32.793	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.580%
24) Chloroform-d	7.654	84	136628	19.683	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	78.720%
26) 1,2-Dichloroethane-d4	8.307	65	66898m	18.846	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	75.400%
32) Benzene-d6	8.276	84	294399	21.053	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	84.200%
36) 1,2-Dichloropropane-d6	9.276	67	84036	20.385	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	81.560%
41) Toluene-d8	10.325	98	251945	20.592	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.360%
43) trans-1,3-Dichloroprop...	10.581	79	27172	17.045	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.160%
47) 2-Hexanone-d5	10.922	63	25091	32.666	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	65.340%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	58357	17.210	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	68.840%
66) 1,2-Dichlorobenzene-d4	13.848	152	65521	20.503	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	82.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	3339m	1.072	ug/L	
3) Chloromethane	2.228	50	3392	0.889	ug/L	99
5) Vinyl chloride	2.375	62	3888	0.874	ug/L #	47
6) Bromomethane	2.795	94	2008	0.860	ug/L	92
8) Chloroethane	2.936	64	2237m	0.880	ug/L	
9) Trichlorofluoromethane	3.271	101	3771m	0.885	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	3713m	1.022	ug/L	
12) 1,1-Dichloroethene	4.051	96	3983m	1.201	ug/L	
13) Acetone	4.137	43	3330m	2.817	ug/L	
14) Carbon disulfide	4.393	76	8183	0.816	ug/L	96
15) Methyl Acetate	4.679	43	1973m	0.955	ug/L	
16) Methylene chloride	4.923	84	9697	2.557	ug/L	92
17) trans-1,2-Dichloroethene	5.435	96	3045m	0.890	ug/L	
18) Methyl tert-butyl Ether	5.423	73	4152m	0.753	ug/L	
19) 1,1-Dichloroethane	6.222	63	5165	0.743	ug/L	96
20) cis-1,2-Dichloroethene	7.179	96	2664m	0.725	ug/L	
22) 2-Butanone	7.136	43	4696m	3.079	ug/L	
23) Bromochloromethane	7.520	128	1088	0.753	ug/L #	80
25) Chloroform	7.679	83	5249	0.831	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	3341m	0.819	ug/L	
29) Cyclohexane	7.953	56	5228	0.801	ug/L #	79
30) 1,1,1-Trichloroethane	7.874	97	4444m	0.802	ug/L	
31) Carbon tetrachloride	8.075	117	3606	0.746	ug/L	98
33) Benzene	8.331	78	10731	0.783	ug/L	100
34) Trichloroethene	9.093	95	3092	0.826	ug/L	90
35) Methylcyclohexane	9.337	83	5446	0.817	ug/L	98
37) 1,2-Dichloropropane	9.374	63	2841m	0.785	ug/L	
38) Bromodichloromethane	9.648	83	2927	0.700	ug/L #	97
40) 4-Methyl-2-pentanone	10.209	43	2977	1.217	ug/L #	89
42) Toluene	10.386	91	10977	0.757	ug/L	95
45) 1,1,2-Trichloroethane	10.788	97	1838	0.729	ug/L	88
49) Dibromochloromethane	11.129	129	1528	0.614	ug/L	91
50) 1,2-Dibromoethane	11.233	107	1475	0.640	ug/L #	84
51) Chlorobenzene	11.660	112	5979	0.684	ug/L	89
52) Ethylbenzene	11.733	91	11957	0.726	ug/L	95
53) m,p-Xylene	11.843	106	4427	0.730	ug/L	92
54) o-Xylene	12.166	106	3588	0.651	ug/L	84
55) Styrene	12.178	104	5387	0.572	ug/L	92
57) 1,1,2,2-Tetrachloroethane	12.714	83	2375	0.724	ug/L #	94
59) Bromoform	12.349	173	745	0.583	ug/L #	79
60) Isopropylbenzene	12.464	105	10464	0.695	ug/L #	90
61) 1,2,3-Trichloropropane	12.763	75	1616	0.735	ug/L	92
62) 1,3,5-Trimethylbenzene	12.940	105	7892	0.709	ug/L	95
63) 1,2,4-Trimethylbenzene	13.251	105	7924	0.715	ug/L	91
64) 1,3-Dichlorobenzene	13.495	146	4308	0.747	ug/L	98
65) 1,4-Dichlorobenzene	13.580	146	4082	0.710	ug/L	95
67) 1,2-Dichlorobenzene	13.873	146	3565	0.686	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.482	75	604m	1.142	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	2756	0.711	ug/L	96
70) 1,2,4-trichlorobenzene	15.129	180	2068	0.687	ug/L	99
71) Naphthalene	15.360	128	3919	0.619	ug/L #	82
72) 1,2,3-Trichlorobenzene	15.549	180	1803	0.699	ug/L #	89

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

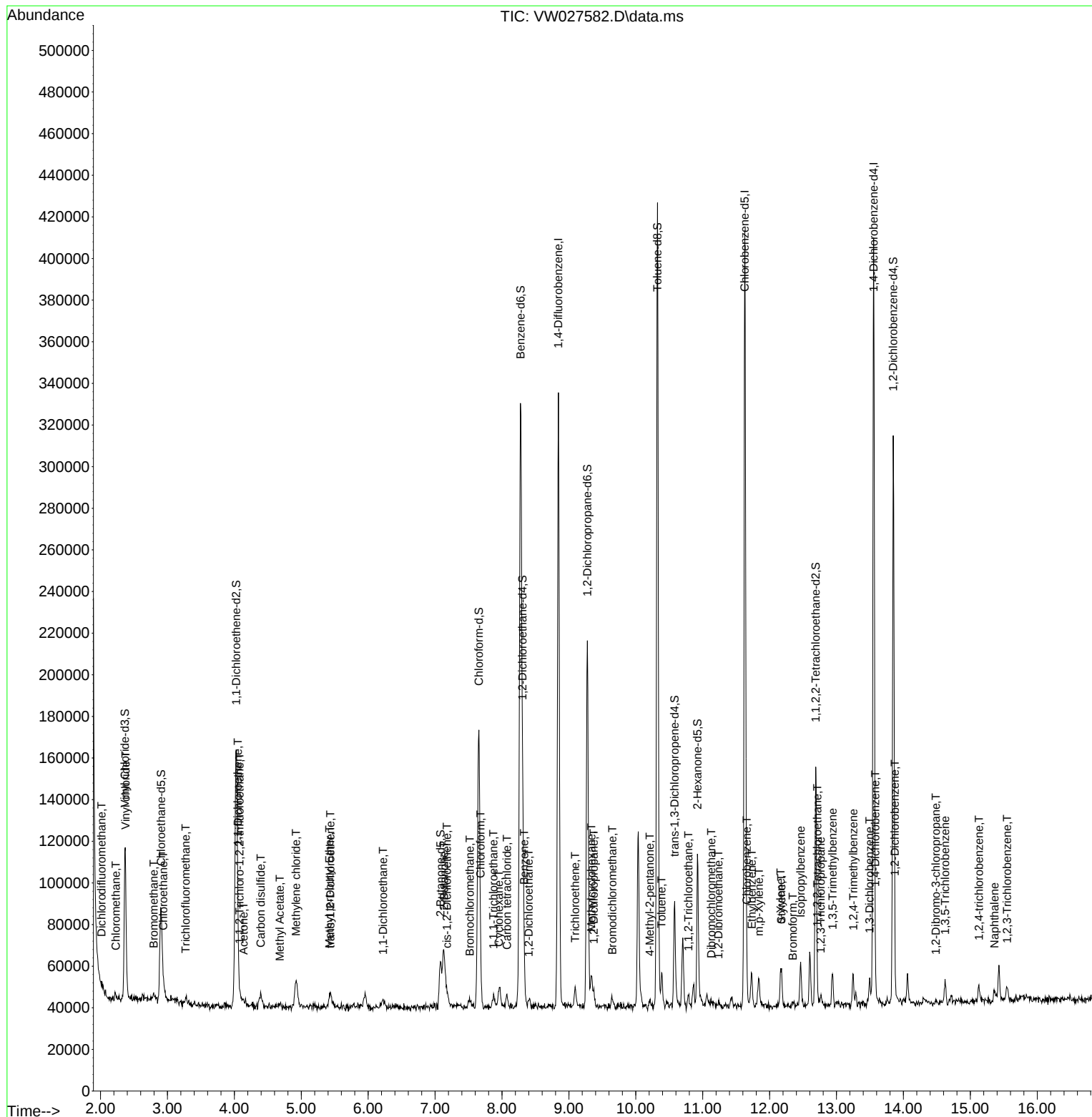
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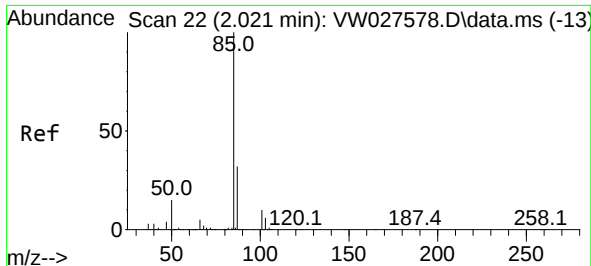
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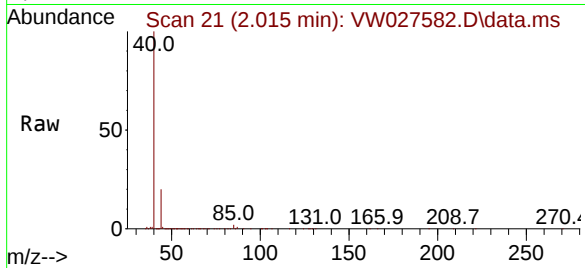
Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023





#2
Dichlorodifluoromethane
Concen: 1.072 ug/L m
RT: 2.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

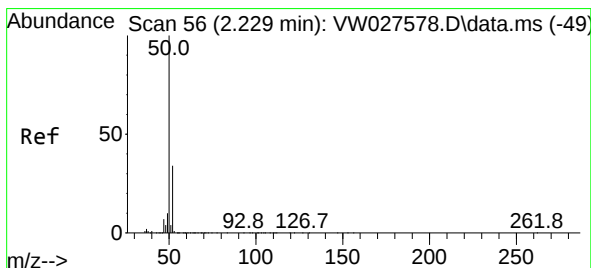
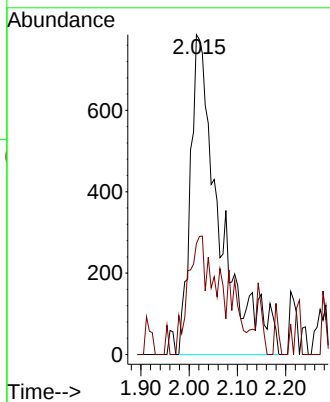
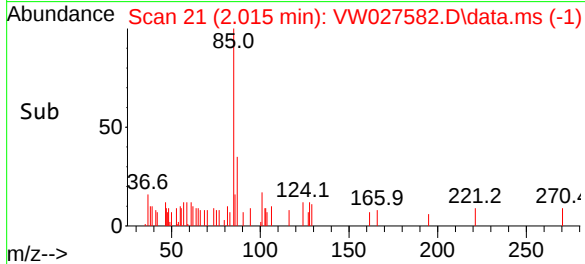
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 85 Resp: 3339
Ion Ratio Lower Upper
85 100
87 11.2 24.0 36.0

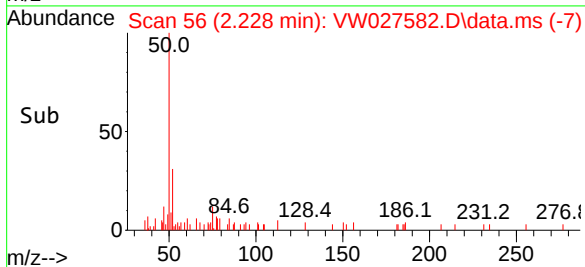
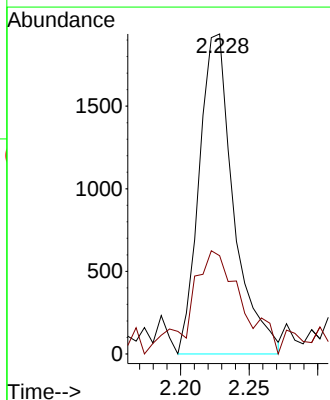
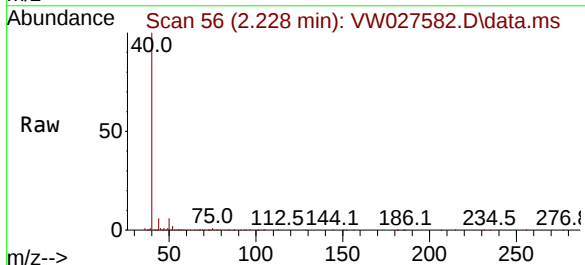
Manual Integrations
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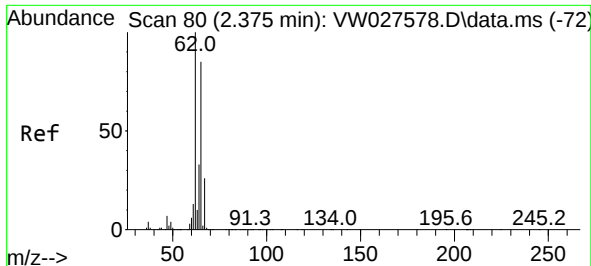
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#3
Chloromethane
Concen: 0.889 ug/L
RT: 2.228 min Scan# 56
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

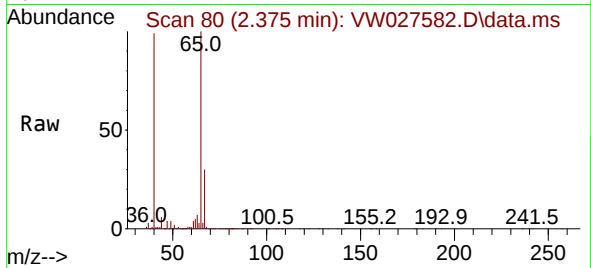
Tgt Ion: 50 Resp: 3392
Ion Ratio Lower Upper
50 100
52 30.7 21.8 40.6





#5
 Vinyl chloride
 Concen: 0.874 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: VW027582.D
 Acq: 08 Dec 2023 10:09

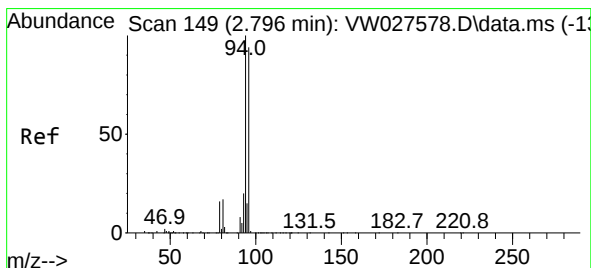
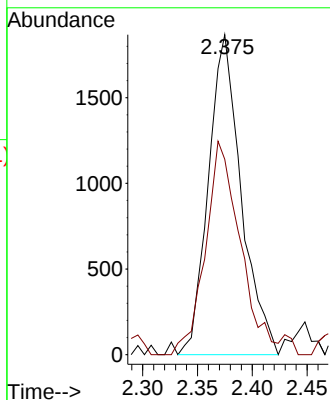
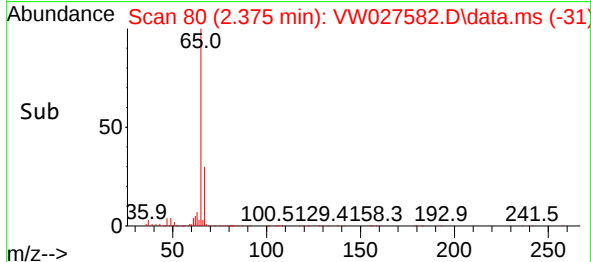
Instrument :
 MSVOA_W
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 MDL-SOIL-QT4-2023-08



Tgt Ion: 62 Resp: 388
 Ion Ratio Lower Upper
 62 100
 64 61.0 22.2 41.2

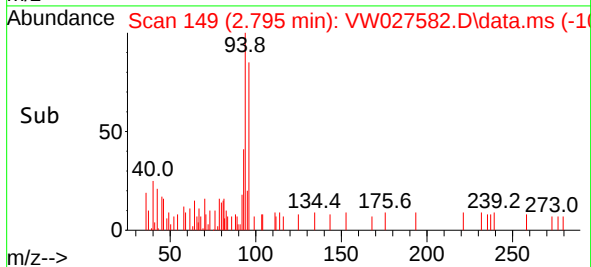
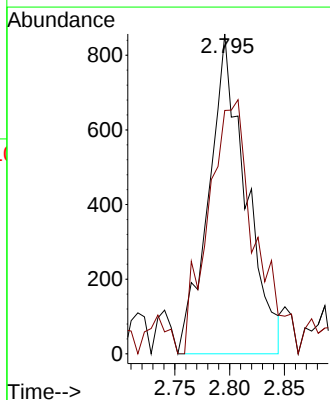
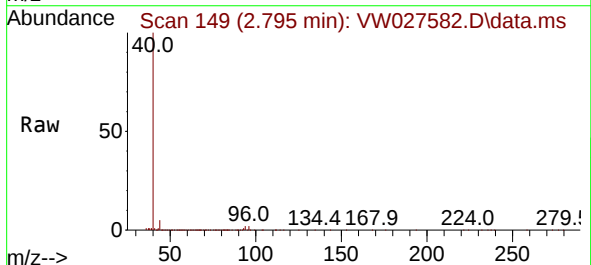
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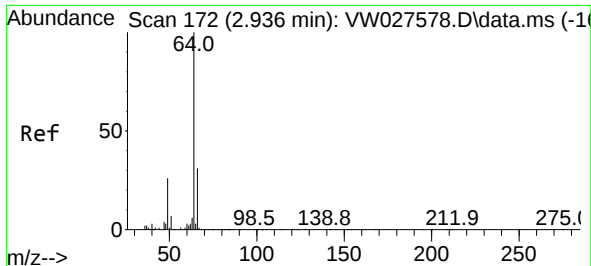
Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023



#6
 Bromomethane
 Concen: 0.860 ug/L
 RT: 2.795 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VW027582.D
 Acq: 08 Dec 2023 10:09

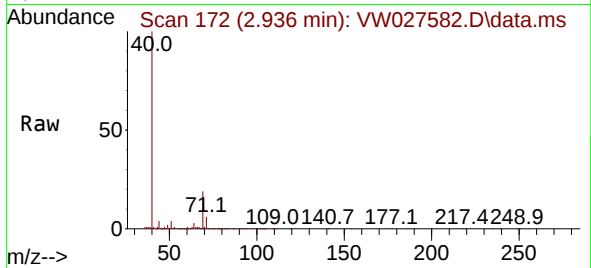
Tgt Ion: 94 Resp: 2008
 Ion Ratio Lower Upper
 94 100
 96 83.0 63.3 117.7





#8
Chloroethane
Concen: 0.880 ug/L m
RT: 2.936 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

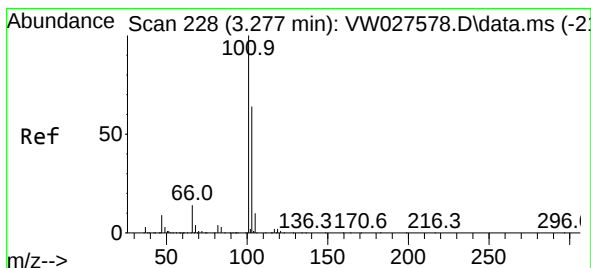
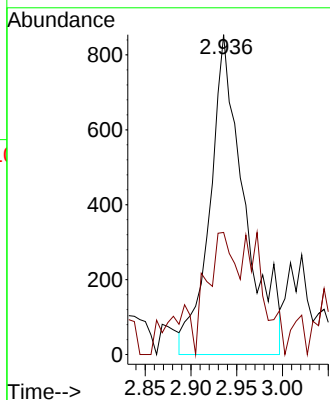
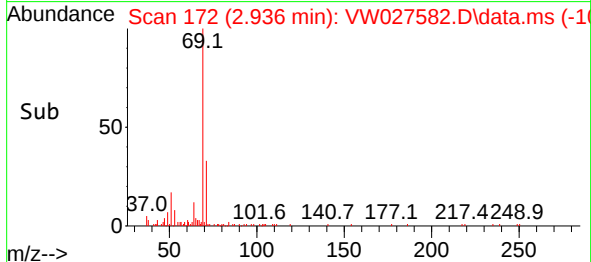
Instrument :
MSVOA_W
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MDL-SOIL-QT4-2023-08



Tgt Ion: 64 Resp: 223
Ion Ratio Lower Upper
64 100
66 38.2 24.1 44.7

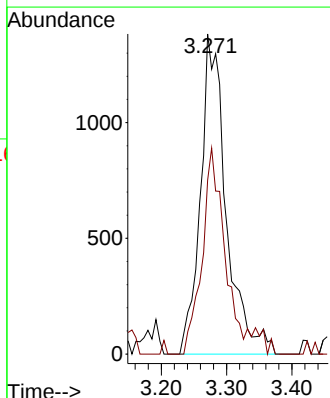
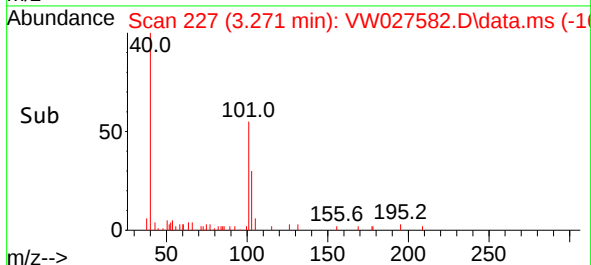
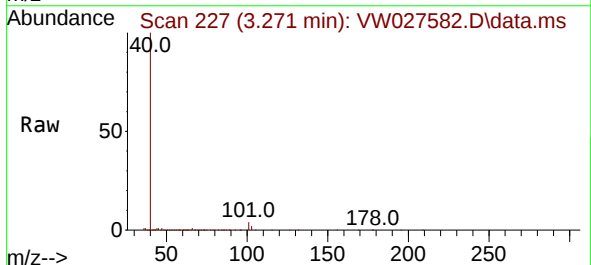
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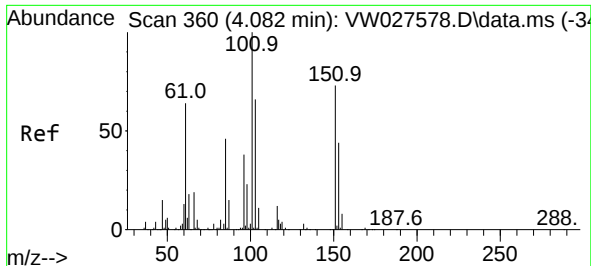
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#9
Trichlorofluoromethane
Concen: 0.885 ug/L m
RT: 3.271 min Scan# 227
Delta R.T. -0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Tgt Ion:101 Resp: 3771
Ion Ratio Lower Upper
101 100
103 55.6 52.0 78.0





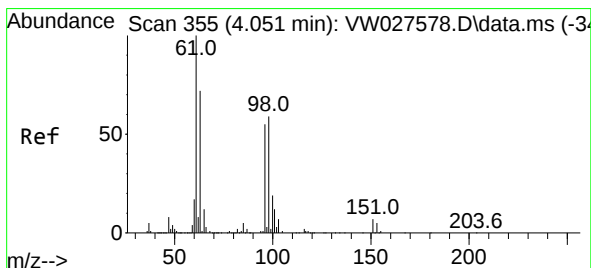
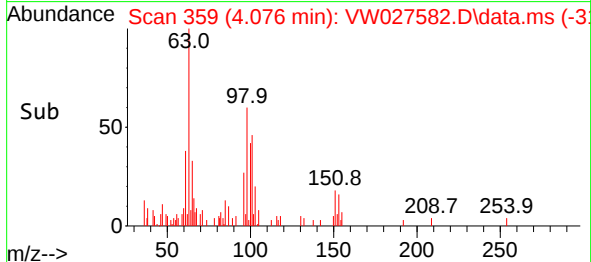
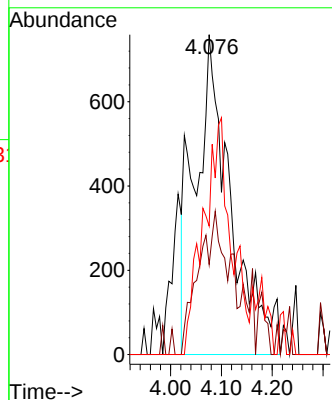
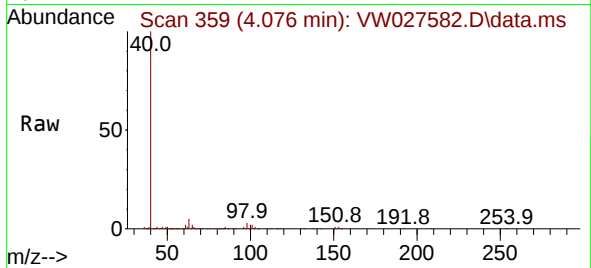
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.022 ug/L m
RT: 4.076 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW027582.D
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Tgt Ion: 101 Resp: 371
Ion Ratio Lower Upper
101 100
85 16.0 33.9 50.9
151 9.7 54.6 81.8

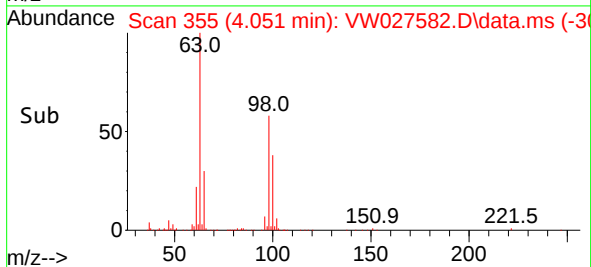
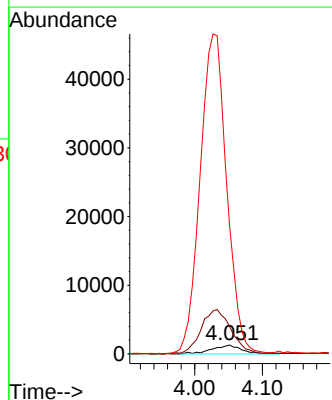
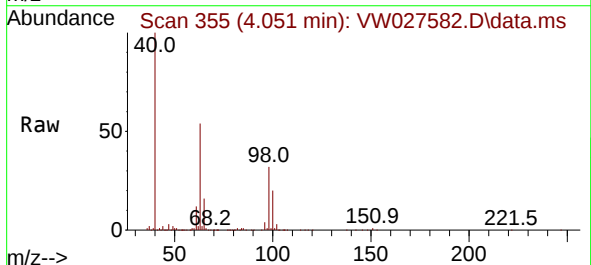
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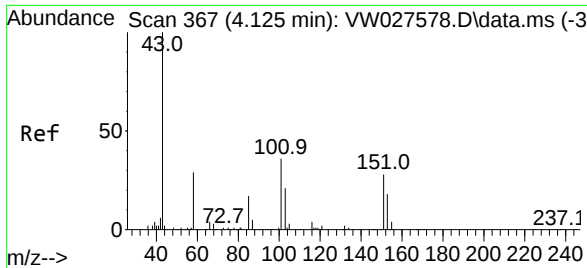
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#12
1,1-Dichloroethene
Concen: 1.201 ug/L m
RT: 4.051 min Scan# 355
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

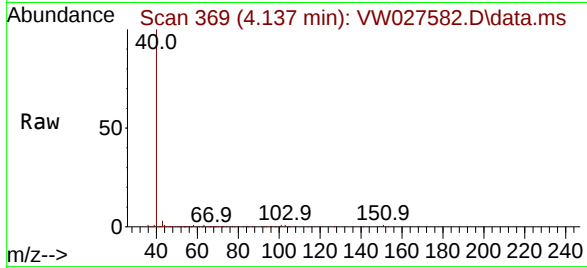
Tgt Ion: 96 Resp: 3983
Ion Ratio Lower Upper
96 100
61 308.7 127.8 237.4#
63 1437.4 104.9 194.7#





#13
Acetone
Concen: 2.817 ug/L m
RT: 4.137 min Scan# 369
Delta R.T. 0.012 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

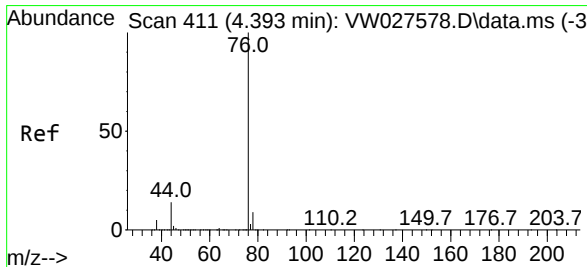
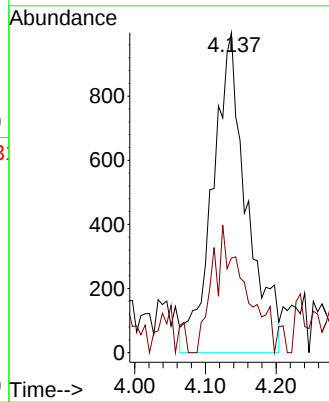
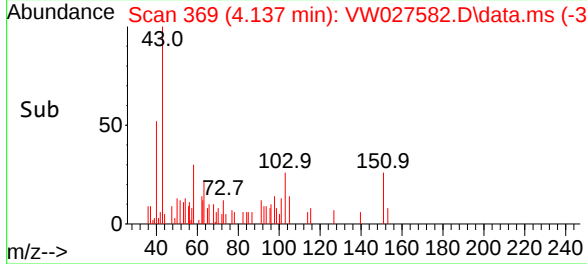
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Tgt Ion: 43 Resp: 3330
Ion Ratio Lower Upper
43 100
58 10.5 0.0 60.0

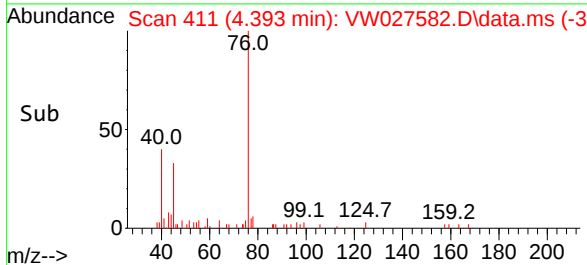
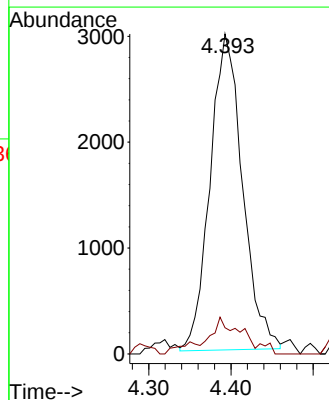
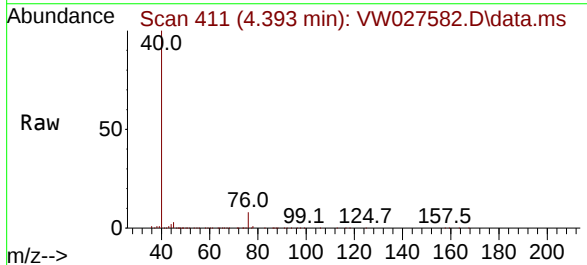
Manual Integrations
APPROVED

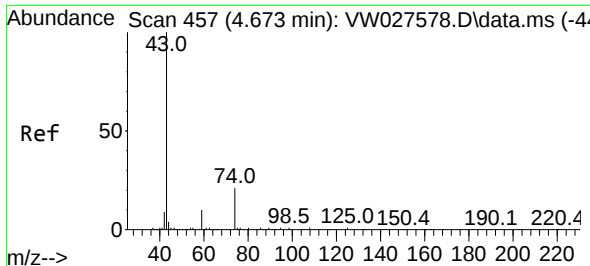
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#14
Carbon disulfide
Concen: 0.816 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

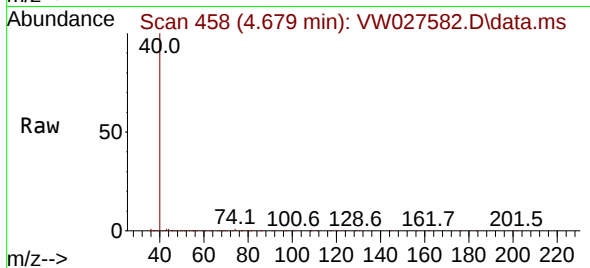
Tgt Ion: 76 Resp: 8183
Ion Ratio Lower Upper
76 100
78 8.2 7.8 11.6





#15
Methyl Acetate
Concen: 0.955 ug/L m
RT: 4.679 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

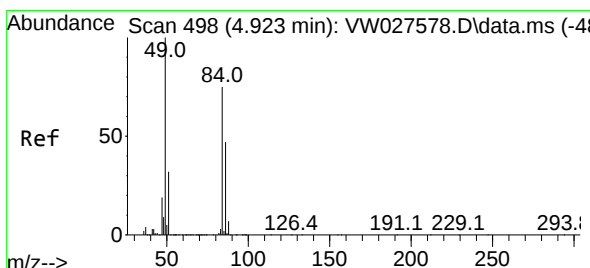
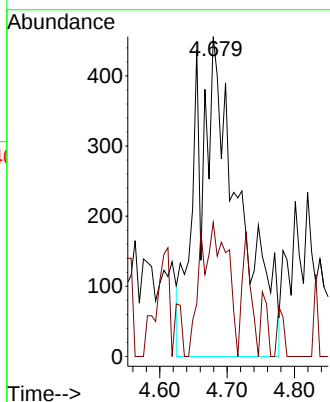
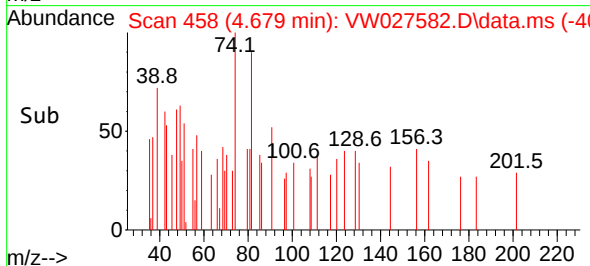
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 43 Resp: 197
Ion Ratio Lower Upper
43 100
74 1.0 16.8 25.2

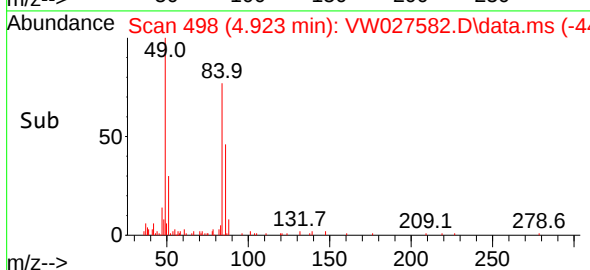
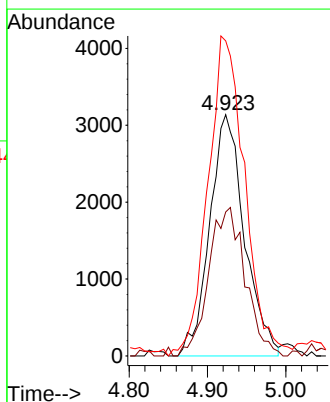
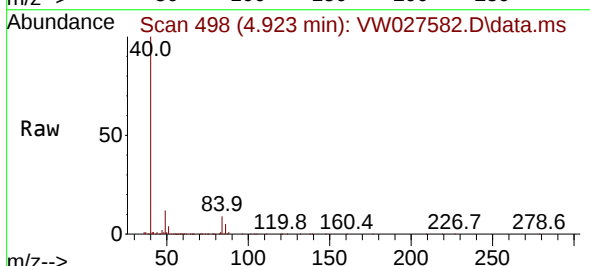
Manual Integrations
APPROVED

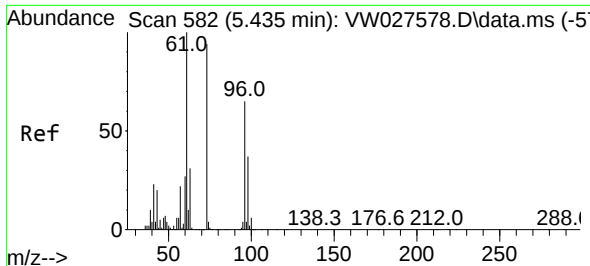
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#16
Methylene chloride
Concen: 2.557 ug/L
RT: 4.923 min Scan# 498
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

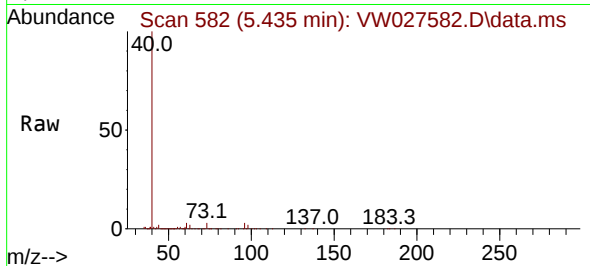
Tgt Ion: 84 Resp: 9697
Ion Ratio Lower Upper
84 100
86 59.7 47.7 88.7
49 130.6 97.4 181.0





#17
trans-1,2-Dichloroethene
Concen: 0.890 ug/L m
RT: 5.435 min Scan# 582
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

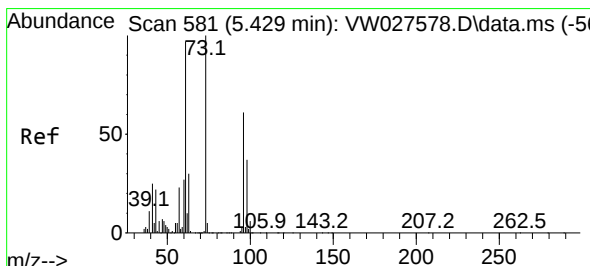
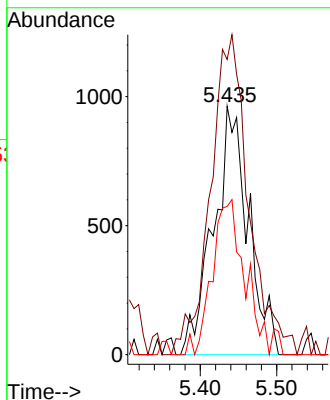
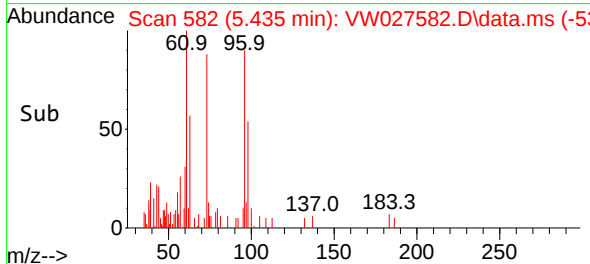
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion: 96 Resp: 304
Ion Ratio Lower Upper
96 100
61 118.9 109.6 203.6
98 59.8 41.9 77.7

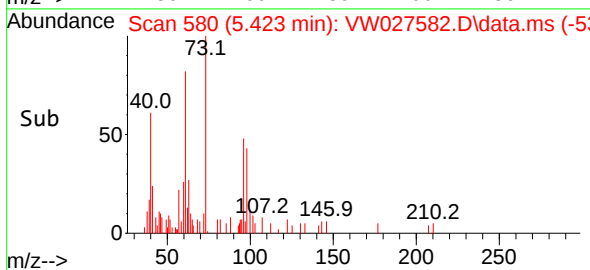
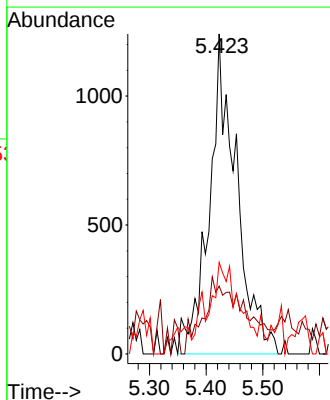
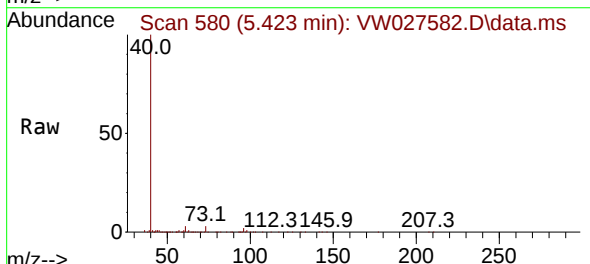
Manual Integrations
APPROVED

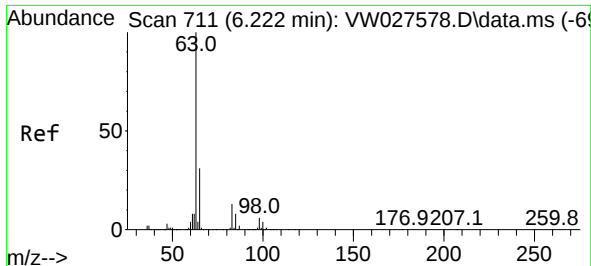
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#18
Methyl tert-butyl Ether
Concen: 0.753 ug/L m
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

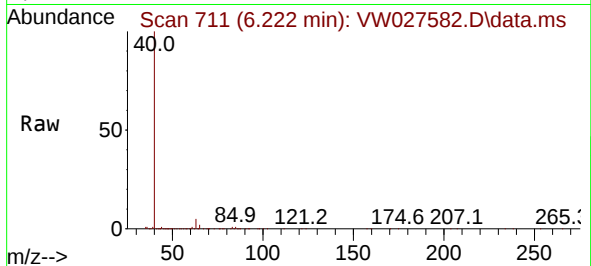
Tgt Ion: 73 Resp: 4152
Ion Ratio Lower Upper
73 100
43 9.6 17.8 26.6#
57 6.9 19.9 29.9#





#19
1,1-Dichloroethane
Concen: 0.743 ug/L
RT: 6.222 min Scan# 711
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

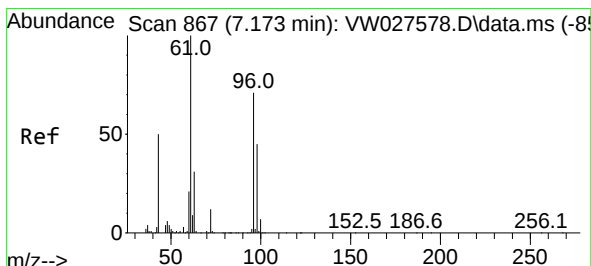
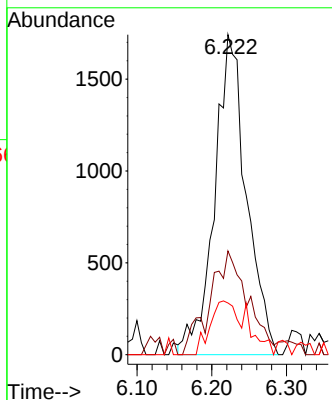
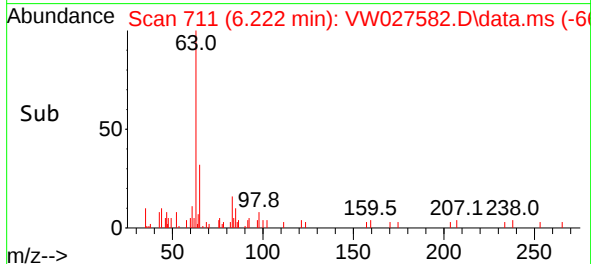
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 63 Resp: 516
Ion Ratio Lower Upper
63 100
65 32.4 22.0 40.8
83 16.2 9.0 16.8

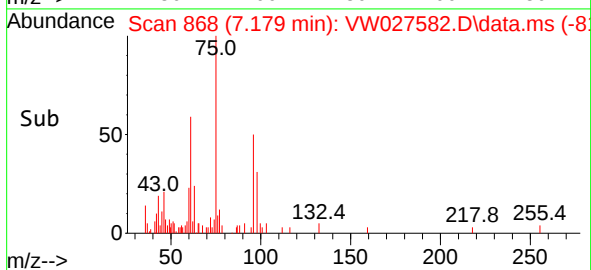
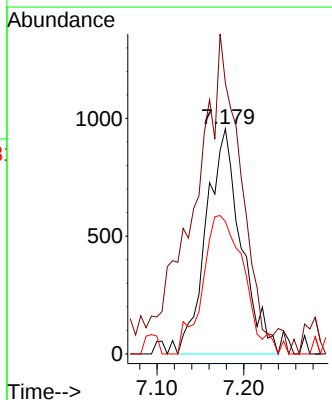
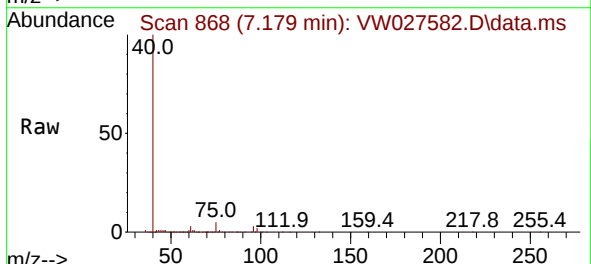
Manual Integrations
APPROVED

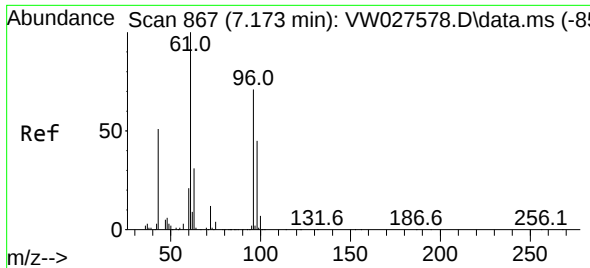
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#20
cis-1,2-Dichloroethene
Concen: 0.725 ug/L m
RT: 7.179 min Scan# 868
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Tgt Ion: 96 Resp: 2664
Ion Ratio Lower Upper
96 100
61 120.3 94.0 174.6
98 58.8 45.1 83.7





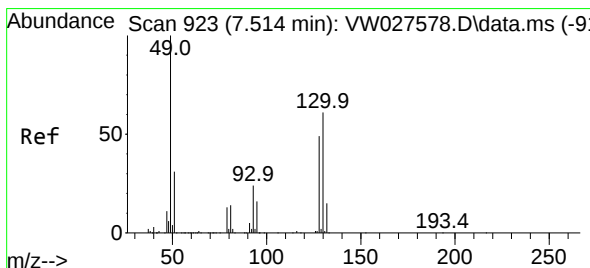
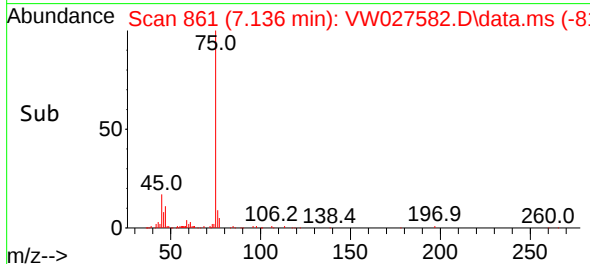
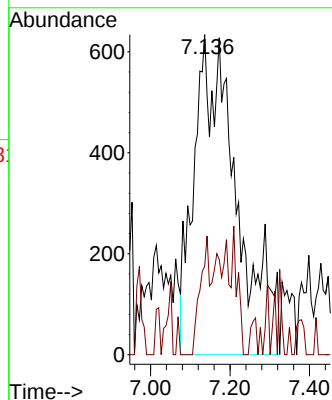
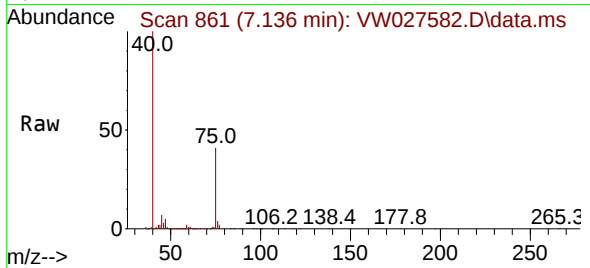
#22
2-Butanone
Concen: 3.079 ug/L m
RT: 7.136 min Scan# 861
Delta R.T. -0.037 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 43 Resp: 4690
Ion Ratio Lower Upper
43 100
72 6.6 11.9 35.9

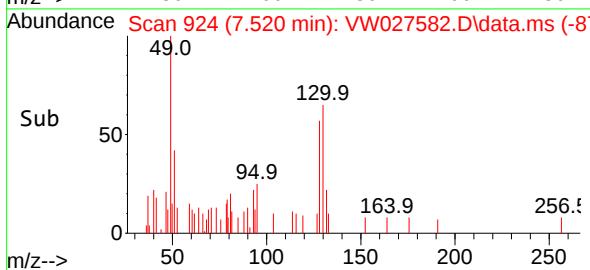
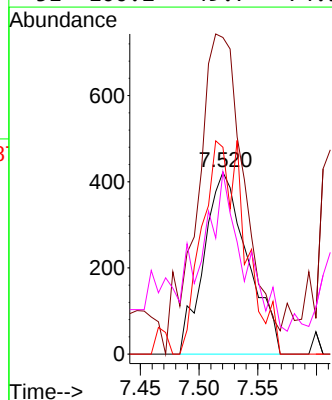
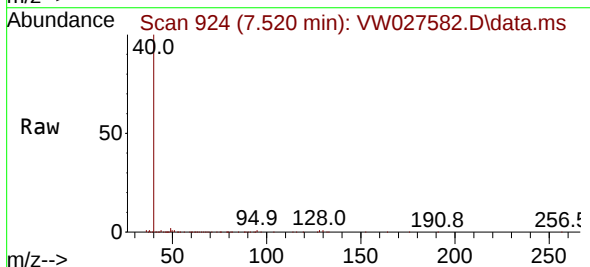
Manual Integrations
APPROVED

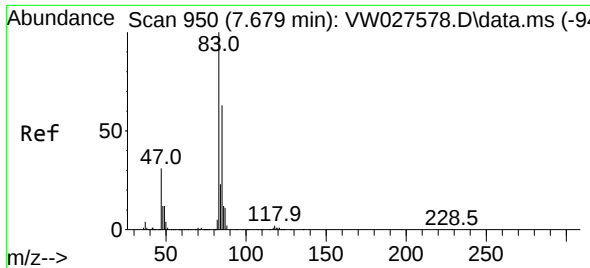
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#23
Bromochloromethane
Concen: 0.753 ug/L
RT: 7.520 min Scan# 924
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Tgt Ion:128 Resp: 1088
Ion Ratio Lower Upper
128 100
49 174.2 137.8 256.0
130 113.7 91.2 169.4
51 100.2 49.7 74.5





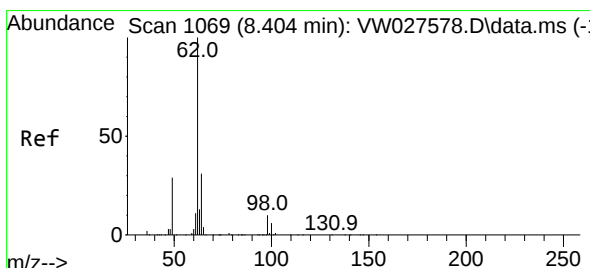
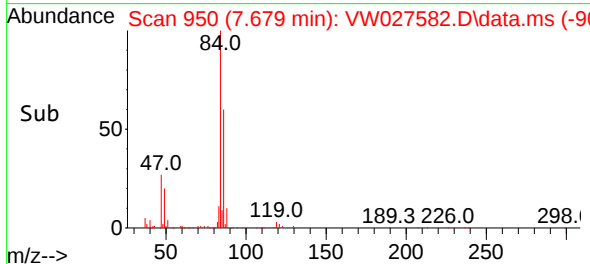
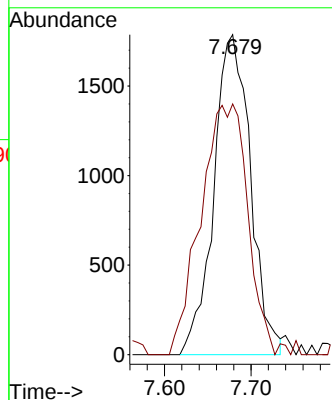
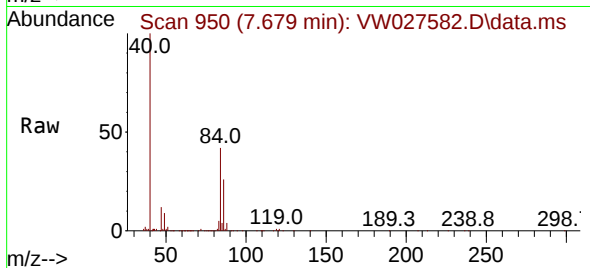
#25
Chloroform
Concen: 0.831 ug/L
RT: 7.679 min Scan# 950
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 83 Resp: 5249
Ion Ratio Lower Upper
83 100
85 78.3 49.8 92.6

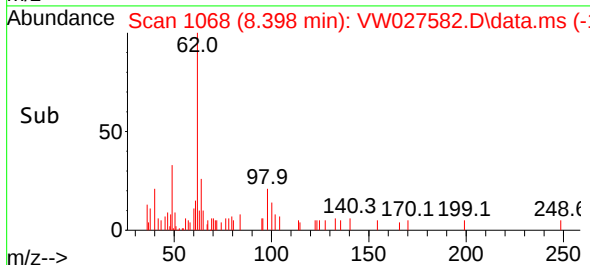
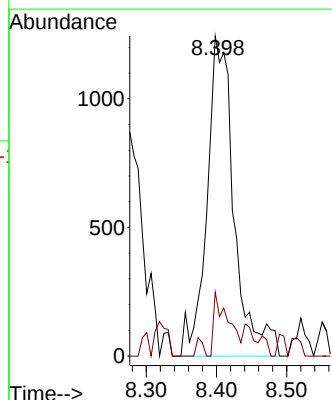
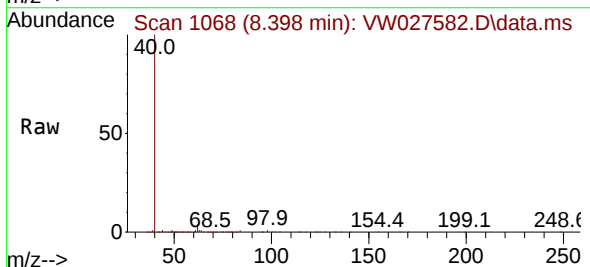
Manual Integrations
APPROVED

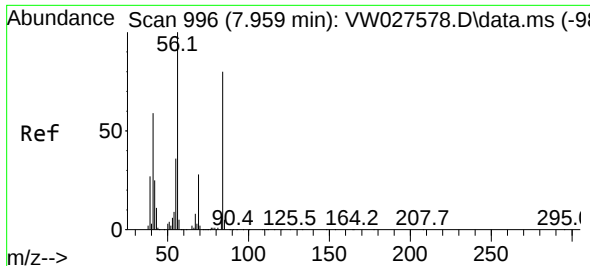
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#27
1,2-Dichloroethane
Concen: 0.819 ug/L m
RT: 8.398 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

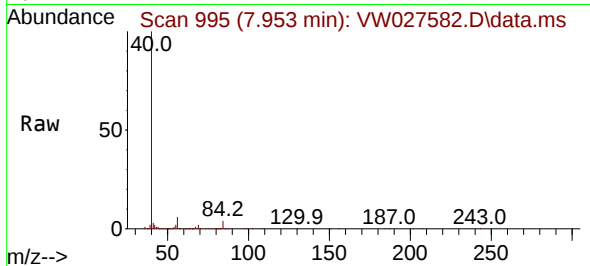
Tgt Ion: 62 Resp: 3341
Ion Ratio Lower Upper
62 100
98 19.9 7.4 11.0#





#29
Cyclohexane
Concen: 0.801 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

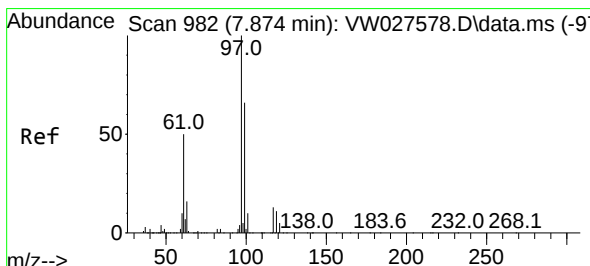
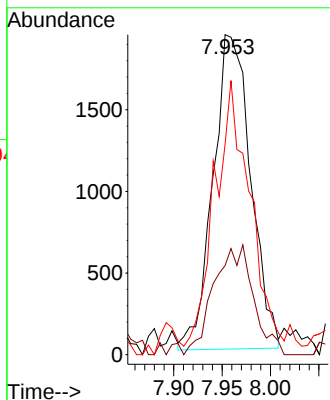
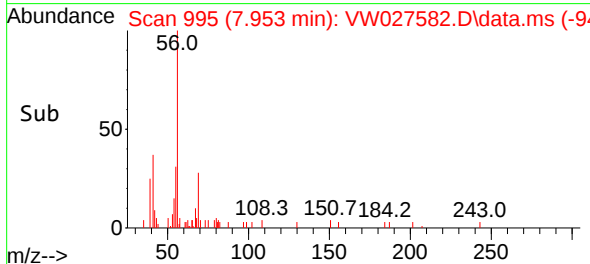
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion: 56 Resp: 5228
Ion Ratio Lower Upper
56 100
69 22.8 24.1 36.1
84 60.3 65.0 97.4

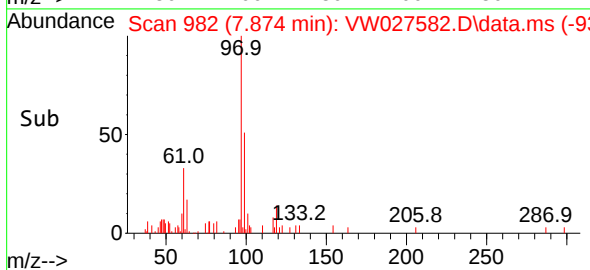
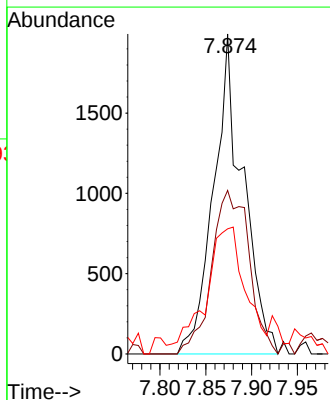
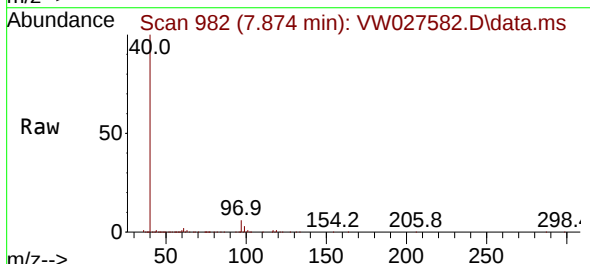
Manual Integrations
APPROVED

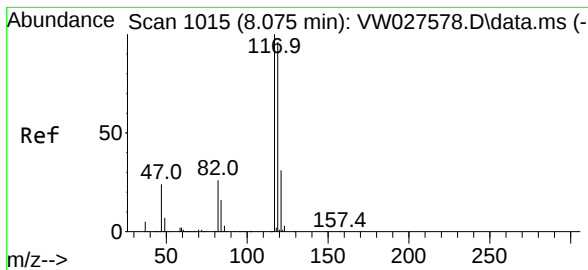
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#30
1,1,1-Trichloroethane
Concen: 0.802 ug/L m
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

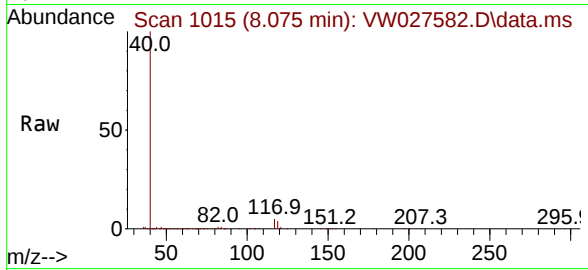
Tgt Ion: 97 Resp: 4444
Ion Ratio Lower Upper
97 100
99 39.5 50.5 75.7
61 43.8 39.0 58.4





#31
Carbon tetrachloride
Concen: 0.746 ug/L
RT: 8.075 min Scan# 1015
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

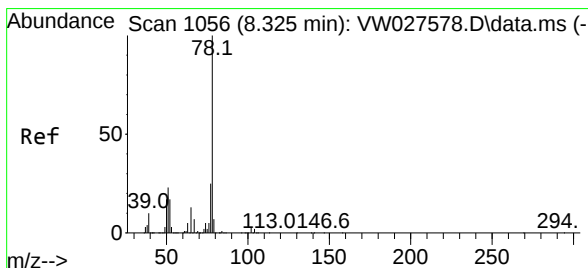
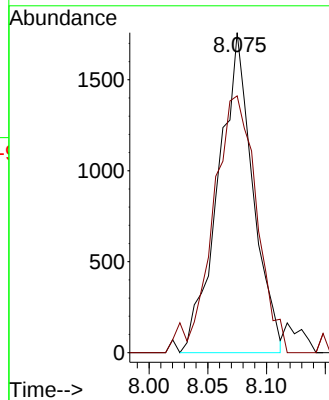
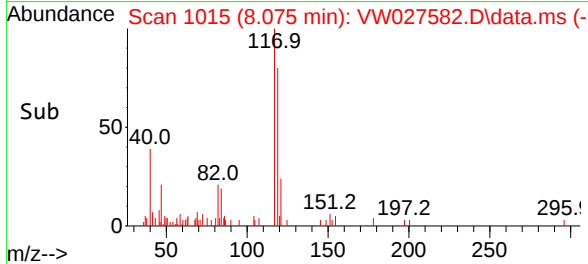
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion:117 Resp: 3600
Ion Ratio Lower Upper
117 100
119 98.1 77.0 115.6

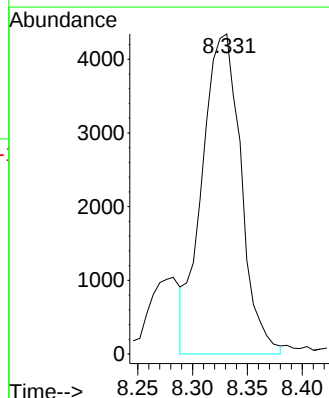
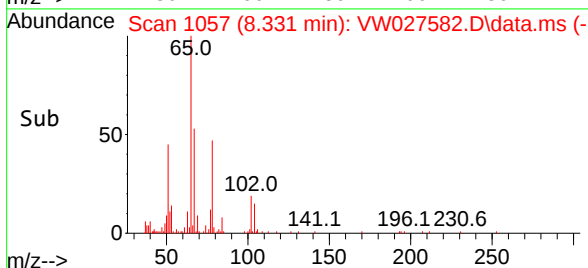
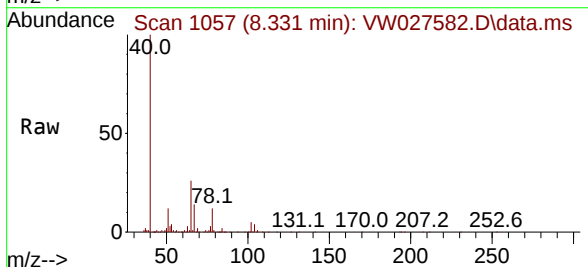
Manual Integrations
APPROVED

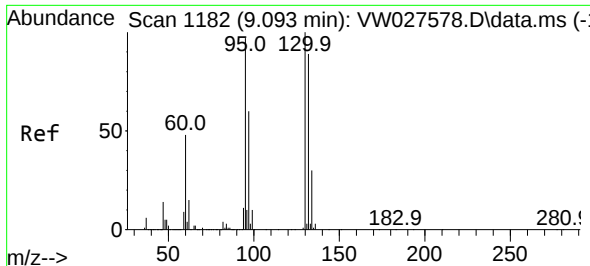
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#33
Benzene
Concen: 0.783 ug/L
RT: 8.331 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

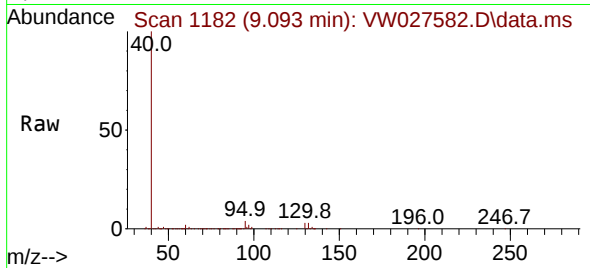
Tgt Ion: 78 Resp: 10731





#34
Trichloroethene
Concen: 0.826 ug/L
RT: 9.093 min Scan# 1182
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

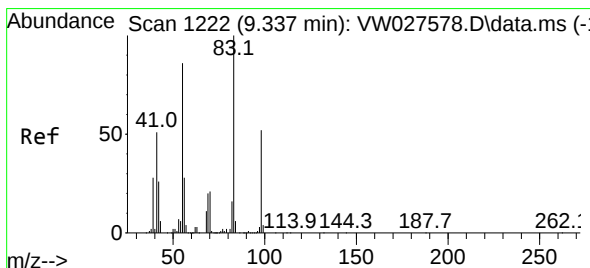
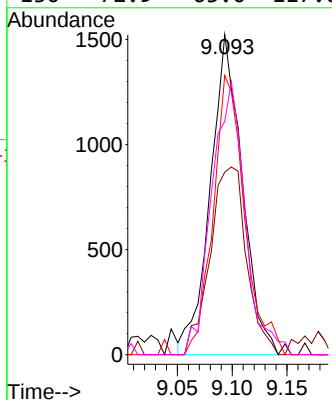
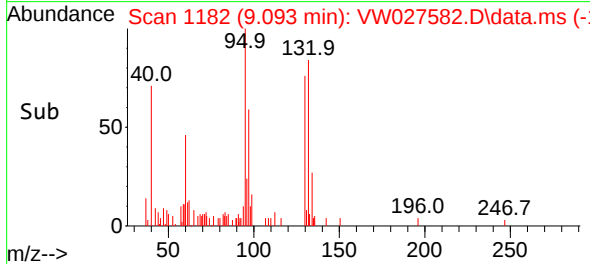
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion: 95 Resp: 3092
Ion Ratio Lower Upper
95 100
97 57.1 43.0 80.0
132 87.3 64.1 119.1
130 72.9 63.0 117.0

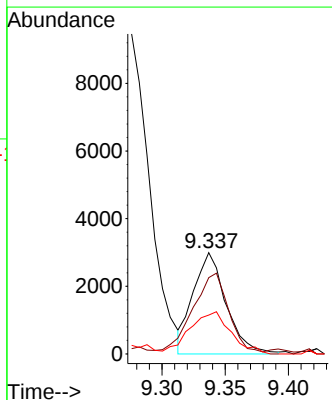
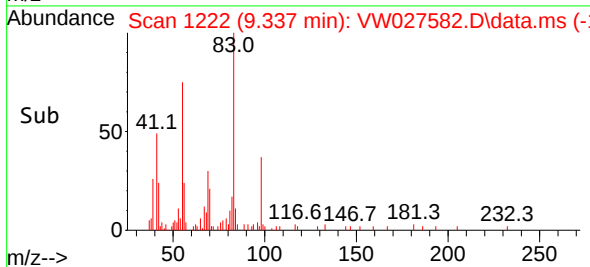
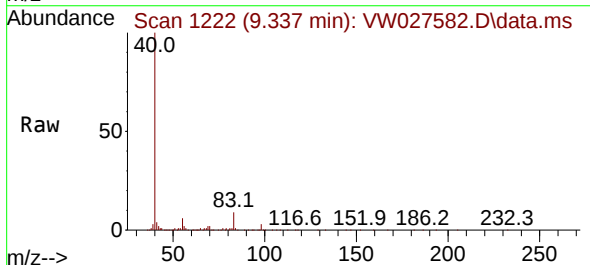
Manual Integrations
APPROVED

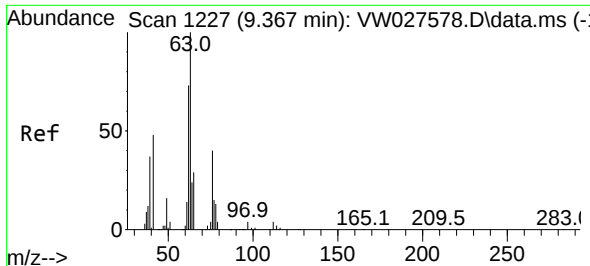
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#35
Methylcyclohexane
Concen: 0.817 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

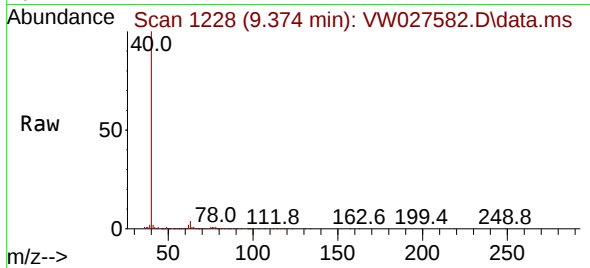
Tgt Ion: 83 Resp: 5446
Ion Ratio Lower Upper
83 100
55 82.5 65.6 98.4
98 51.8 38.3 57.5





#37
1,2-Dichloropropane
Concen: 0.785 ug/L m
RT: 9.374 min Scan# 1228
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

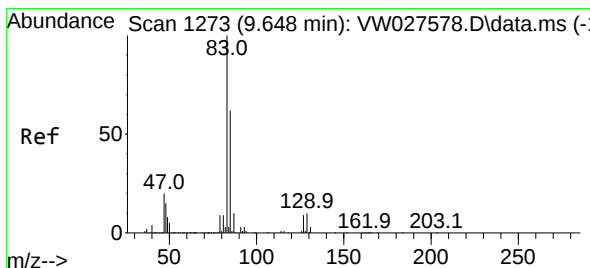
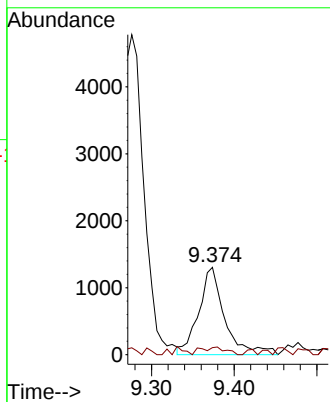
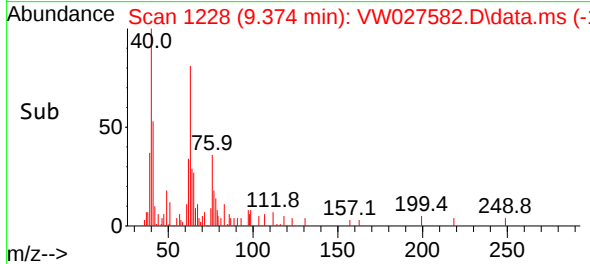
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 63 Resp: 284
Ion Ratio Lower Upper
63 100
112 3.6 3.6 5.4

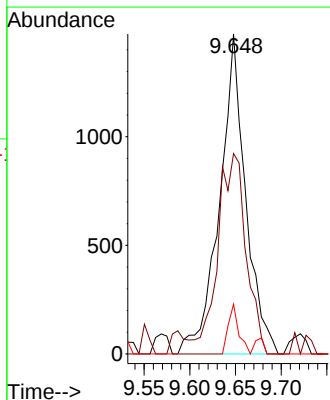
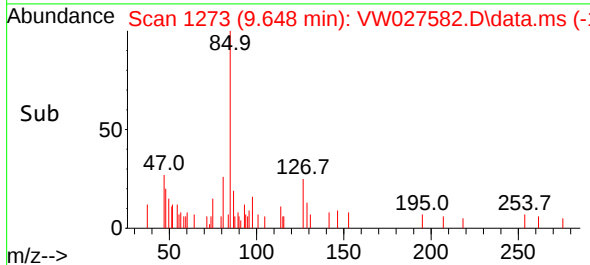
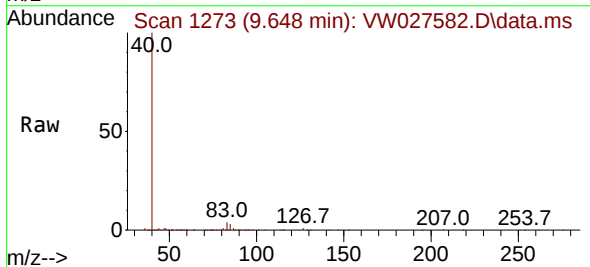
Manual Integrations
APPROVED

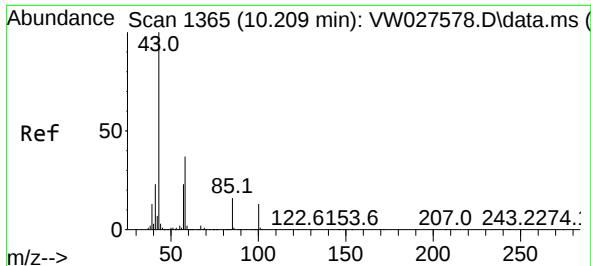
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#38
Bromodichloromethane
Concen: 0.700 ug/L
RT: 9.648 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Tgt Ion: 83 Resp: 2927
Ion Ratio Lower Upper
83 100
85 62.7 44.3 82.3
127 15.5 5.3 7.9





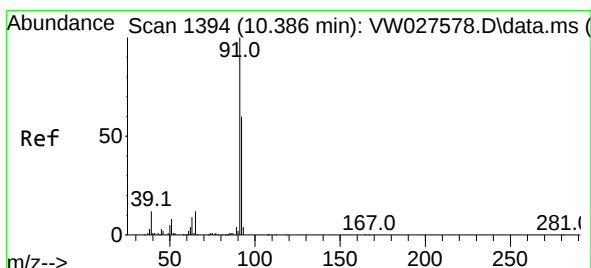
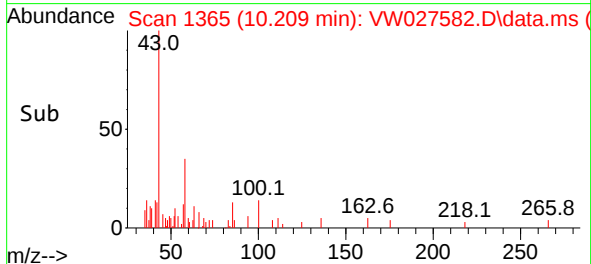
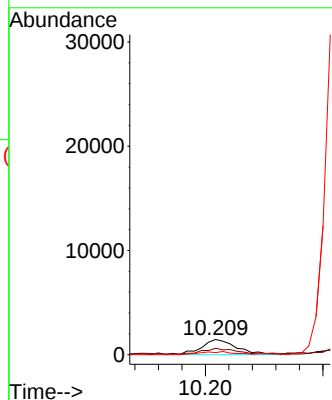
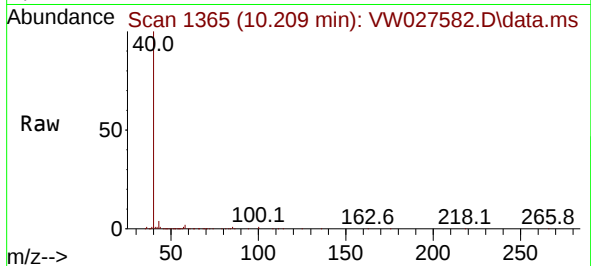
#40
4-Methyl-2-pentanone
Concen: 1.217 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 43 Resp: 297
Ion Ratio Lower Upper
43 100
58 32.5 29.6 44.4
100 6.3 11.1 16.7

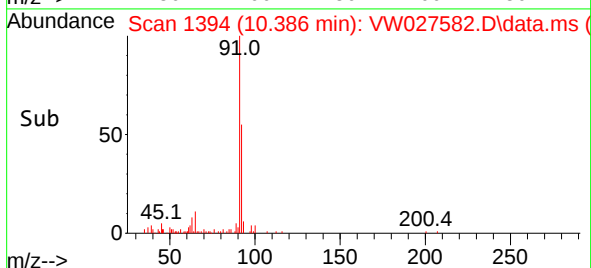
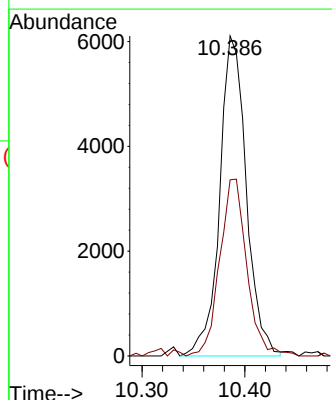
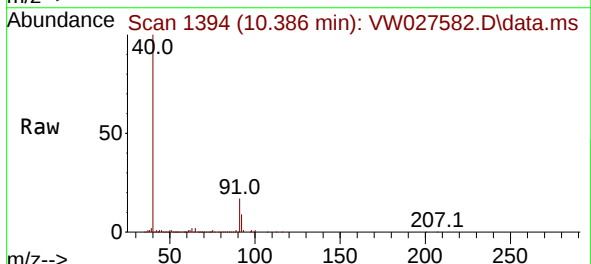
Manual Integrations
APPROVED

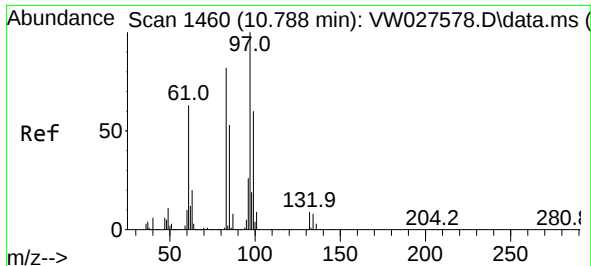
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#42
Toluene
Concen: 0.757 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

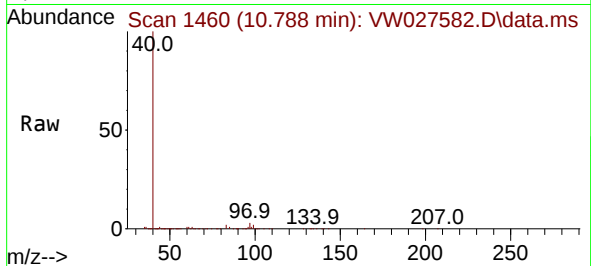
Tgt Ion: 91 Resp: 10977
Ion Ratio Lower Upper
91 100
92 55.1 41.4 76.8





#45
1,1,2-Trichloroethane
Concen: 0.729 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

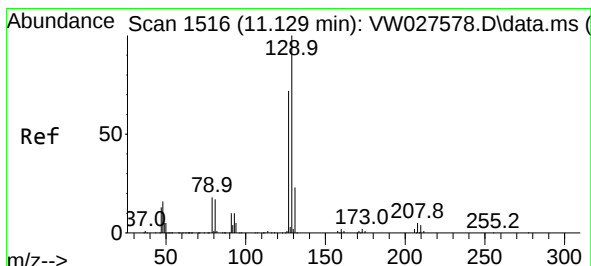
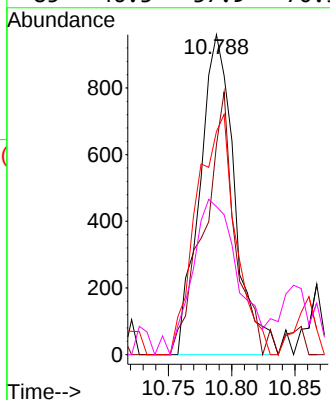
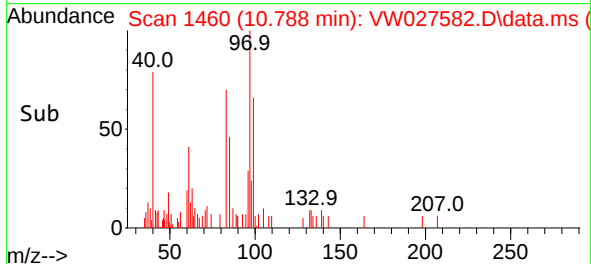
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	42.8	79.4
83	69.7	59.9	111.3
85	46.3	37.9	70.5

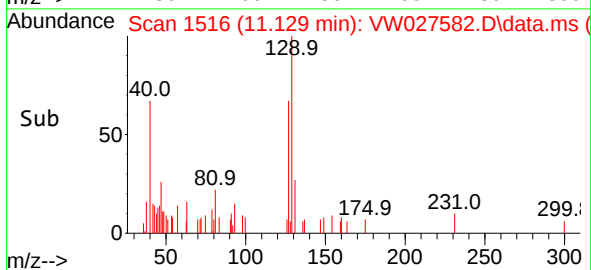
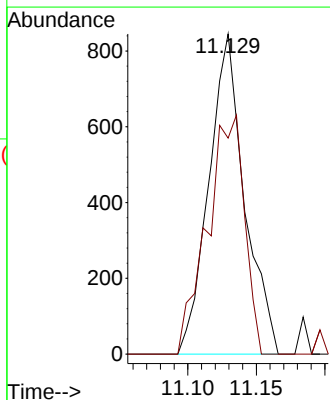
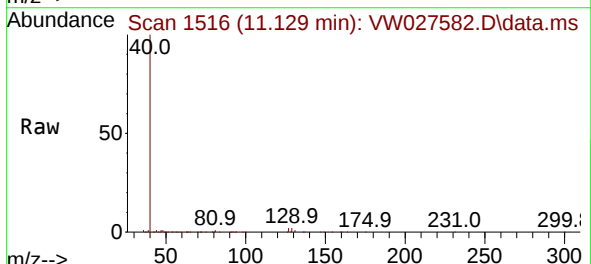
Manual Integrations
APPROVED

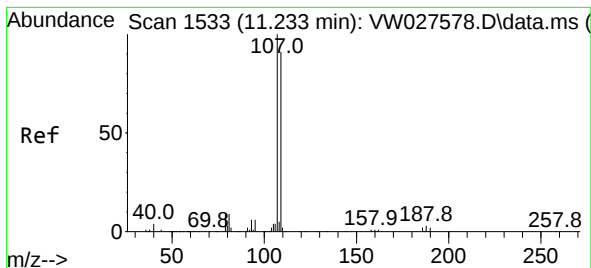
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#49
Dibromochloromethane
Concen: 0.614 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

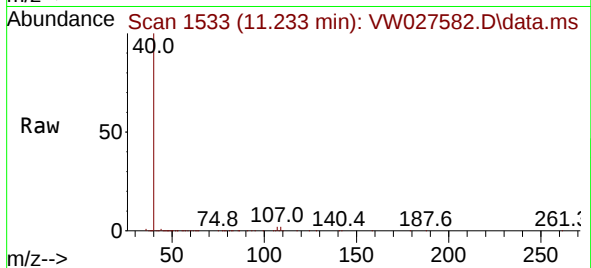
Tgt Ion	Ratio	Lower	Upper
129	100		
127	67.5	52.3	97.1





#50
1,2-Dibromoethane
Concen: 0.640 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

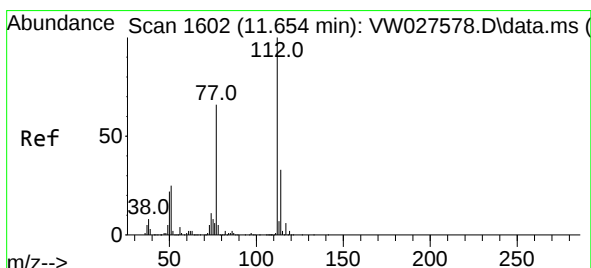
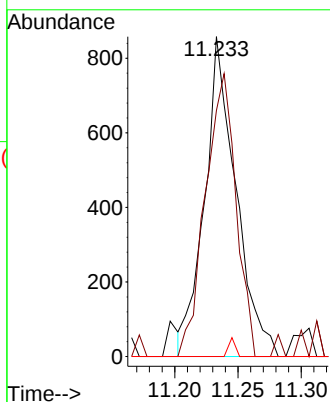
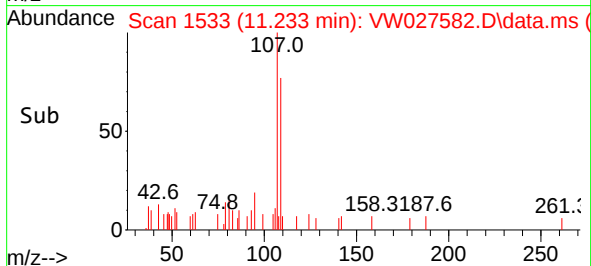
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



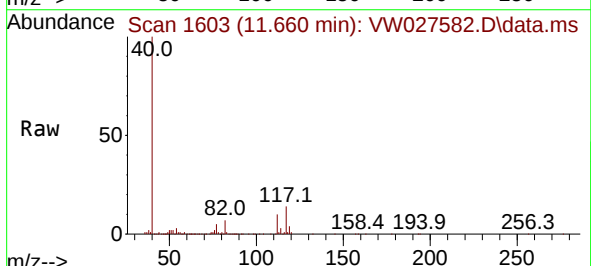
Tgt Ion:107 Resp: 1479
Ion Ratio Lower Upper
107 100
109 76.9 64.8 120.3
188 0.0 2.7 4.1

Manual Integrations
APPROVED

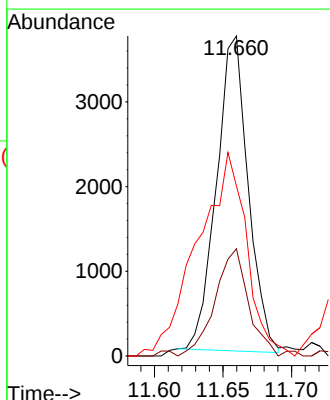
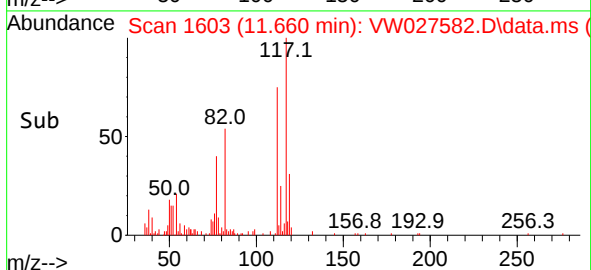
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

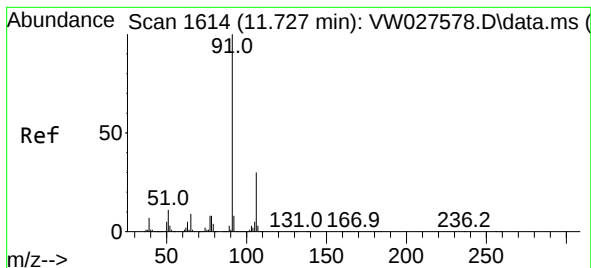


#51
Chlorobenzene
Concen: 0.684 ug/L
RT: 11.660 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09



Tgt Ion:112 Resp: 5979
Ion Ratio Lower Upper
112 100
114 33.5 21.5 39.9
77 53.1 50.6 76.0





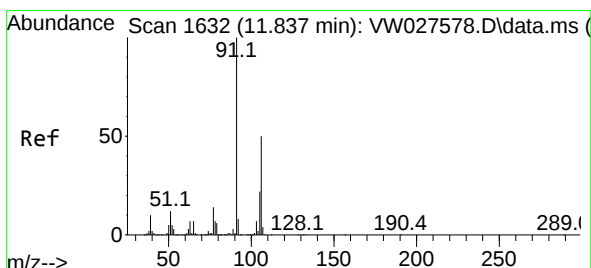
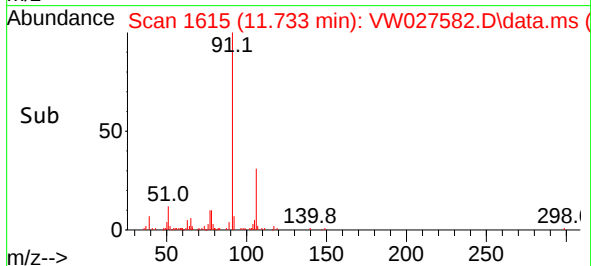
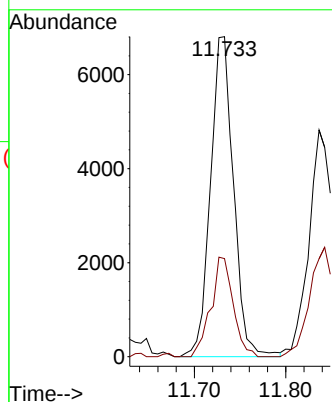
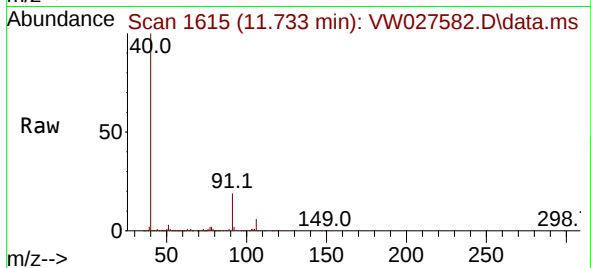
#52
Ethylbenzene
Concen: 0.726 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 91 Resp: 1195
Ion Ratio Lower Upper
91 100
106 30.7 19.5 36.1

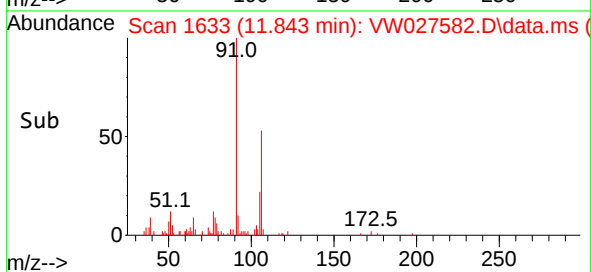
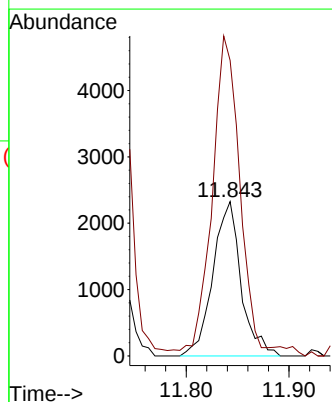
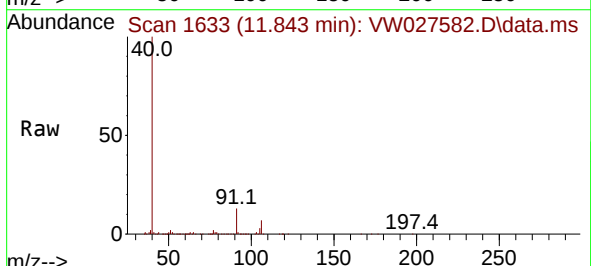
Manual Integrations
APPROVED

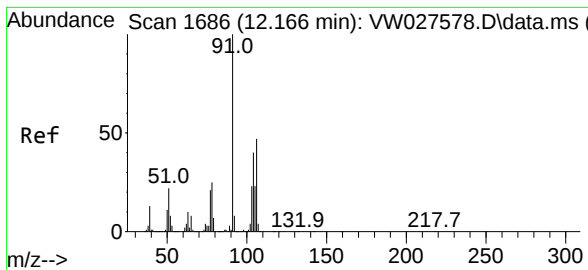
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#53
m,p-Xylene
Concen: 0.730 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Tgt Ion:106 Resp: 4427
Ion Ratio Lower Upper
106 100
91 191.4 142.1 263.9





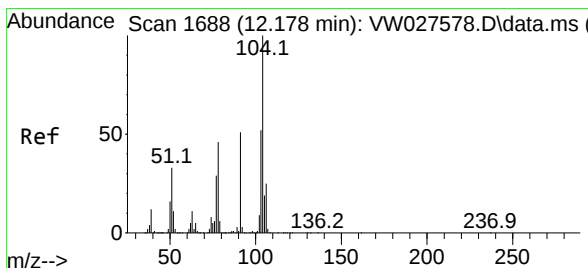
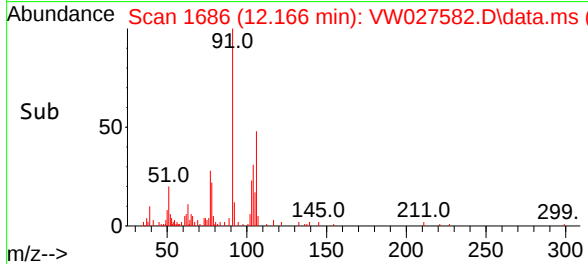
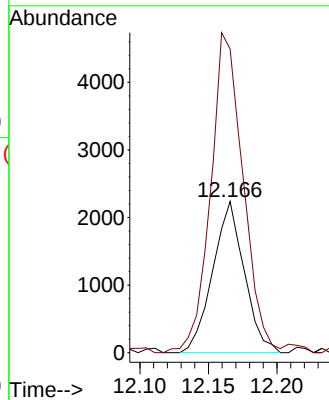
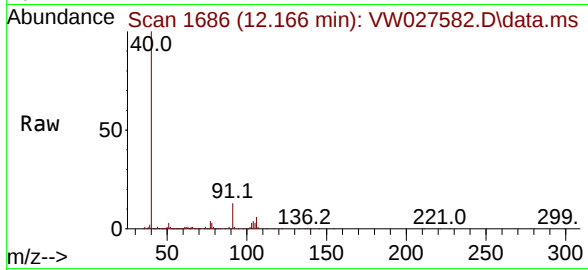
#54
o-Xylene
Concen: 0.651 ug/L
RT: 12.166 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion:106 Resp: 3588
Ion Ratio Lower Upper
106 100
91 200.9 158.8 295.0

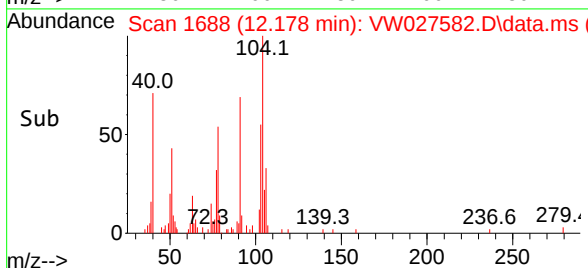
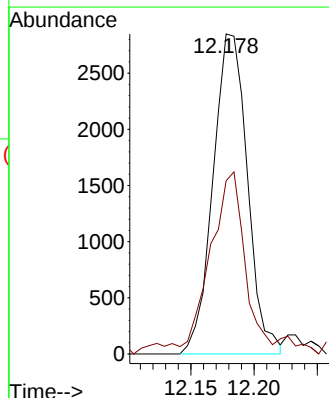
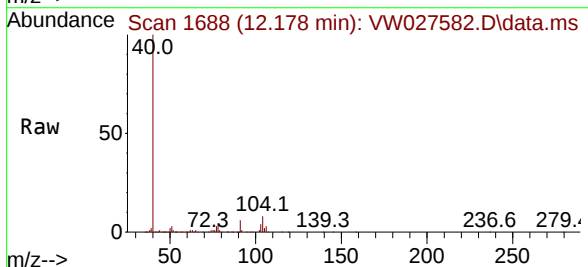
Manual Integrations
APPROVED

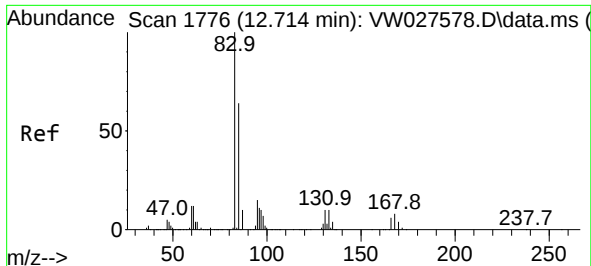
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#55
Styrene
Concen: 0.572 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Tgt Ion:104 Resp: 5387
Ion Ratio Lower Upper
104 100
78 54.1 33.9 62.9





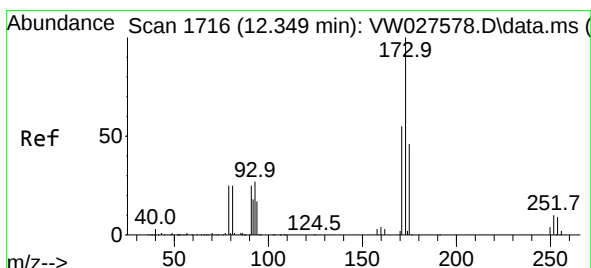
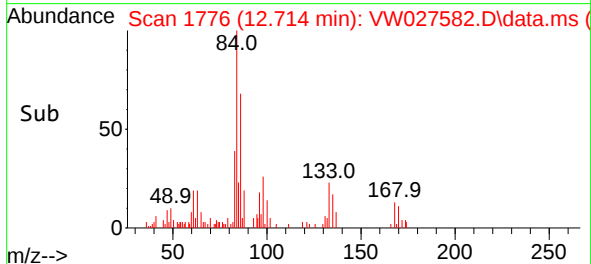
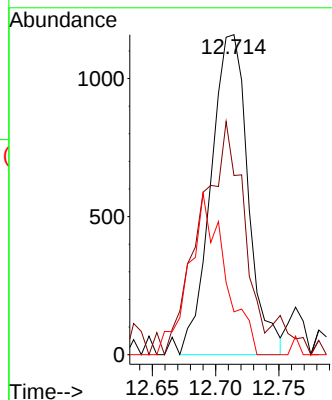
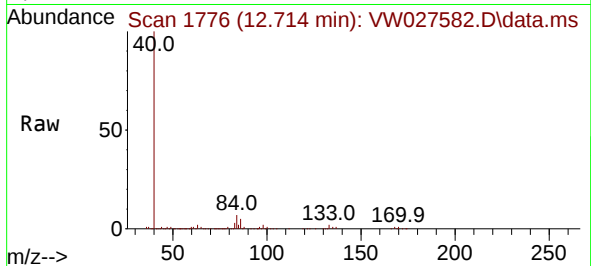
#57
1,1,2,2-Tetrachloroethane
Concen: 0.724 ug/L
RT: 12.714 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08

Tgt Ion: 83 Resp: 2376
Ion Ratio Lower Upper
83 100
85 56.0 41.9 77.7
131 13.4 7.0 10.6

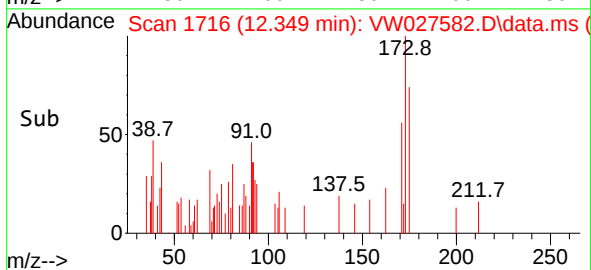
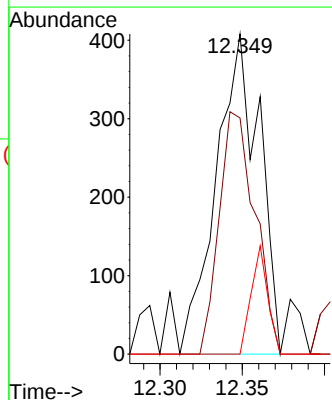
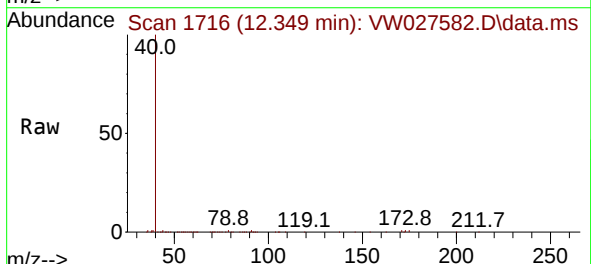
Manual Integrations
APPROVED

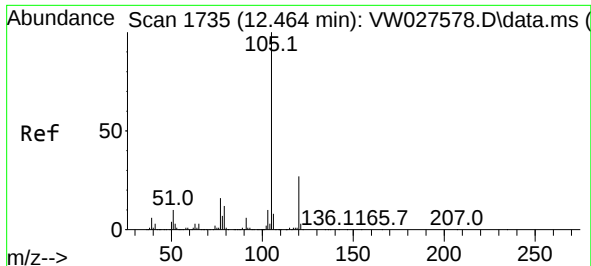
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#59
Bromoform
Concen: 0.583 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

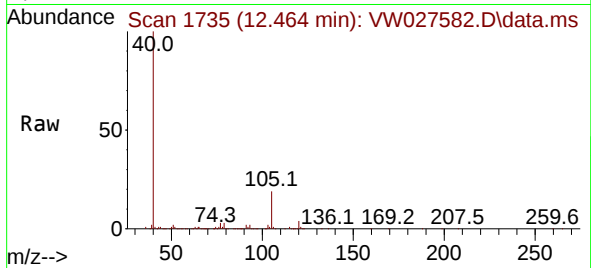
Tgt Ion:173 Resp: 745
Ion Ratio Lower Upper
173 100
175 62.7 39.4 59.0#
254 0.0 7.8 11.8#





#60
Isopropylbenzene
Concen: 0.695 ug/L
RT: 12.464 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

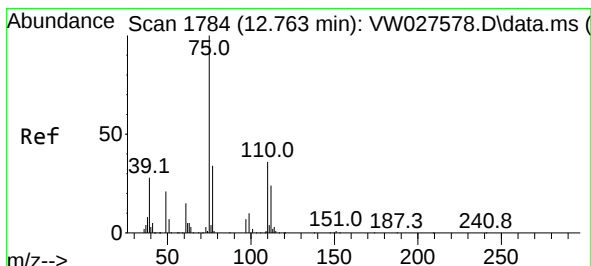
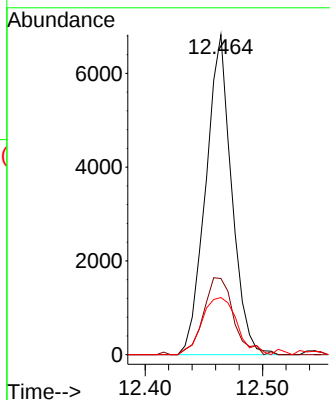
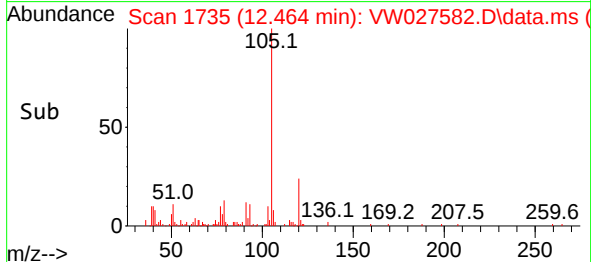
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion:105 Resp: 1046
Ion Ratio Lower Upper
105 100
120 27.6 20.3 30.5
77 24.2 13.1 19.7

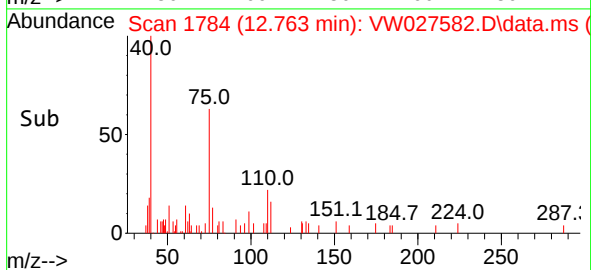
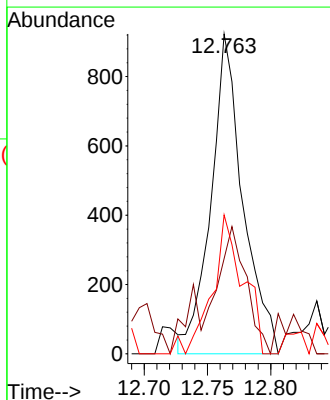
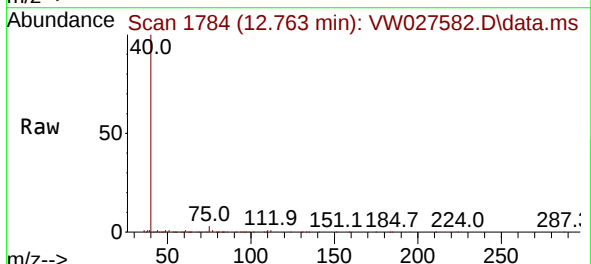
Manual Integrations
APPROVED

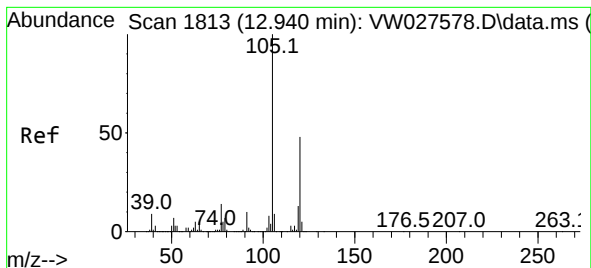
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#61
1,2,3-Trichloropropane
Concen: 0.735 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Tgt Ion: 75 Resp: 1616
Ion Ratio Lower Upper
75 100
77 36.0 26.6 39.8
110 31.8 30.2 45.4





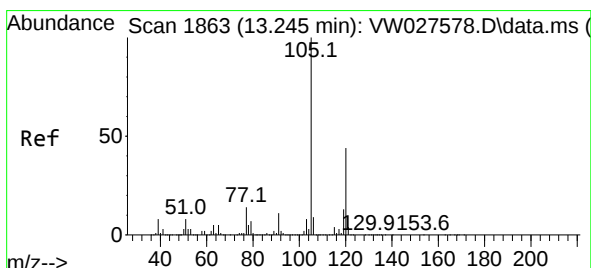
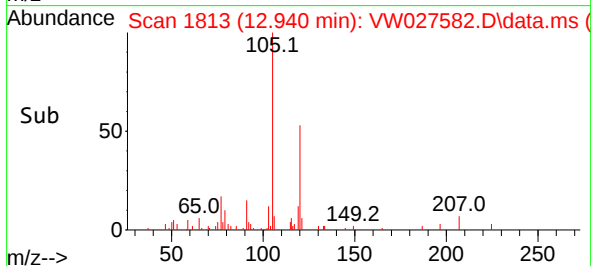
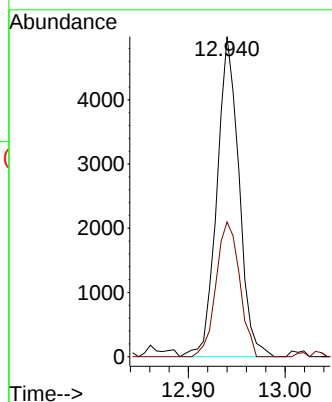
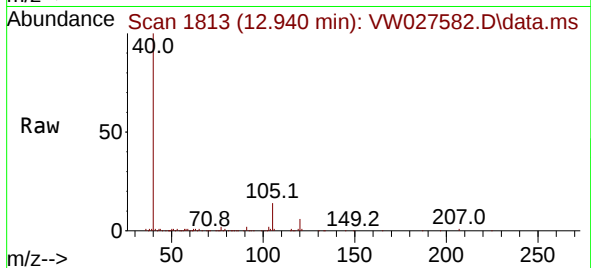
#62
1,3,5-Trimethylbenzene
Concen: 0.709 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08

Tgt Ion:105 Resp: 7892
Ion Ratio Lower Upper
105 100
120 44.8 38.7 58.1

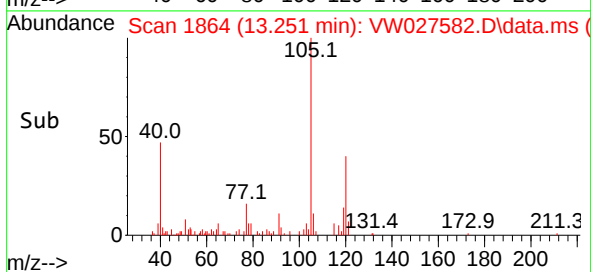
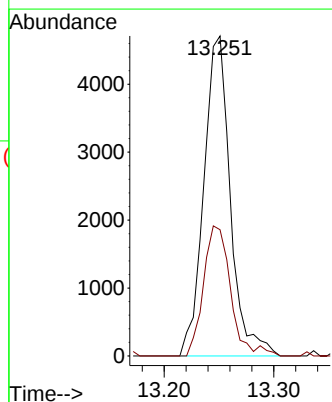
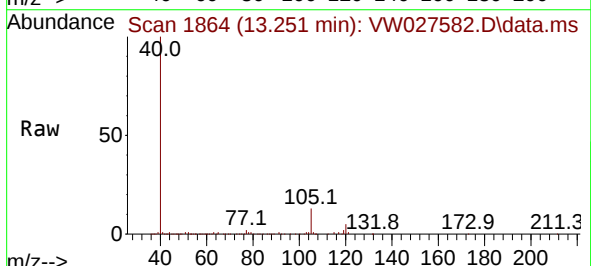
Manual Integrations
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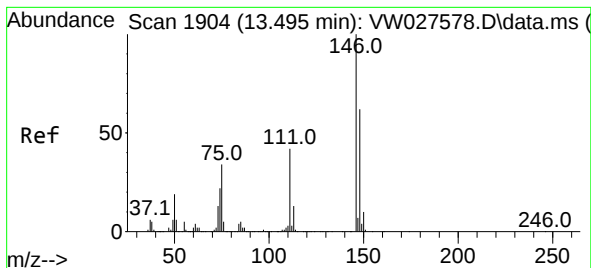
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.715 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

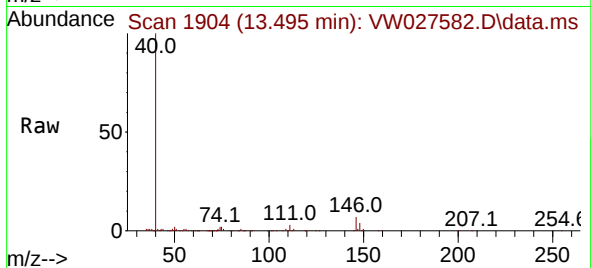
Tgt Ion:105 Resp: 7924
Ion Ratio Lower Upper
105 100
120 40.2 36.9 55.3





#64
1,3-Dichlorobenzene
Concen: 0.747 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

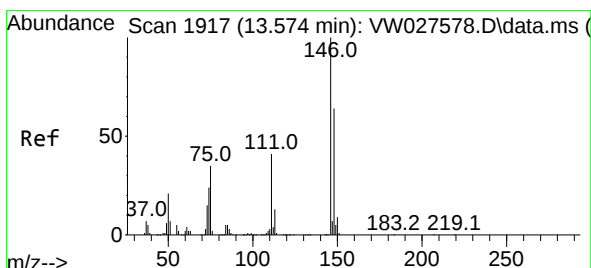
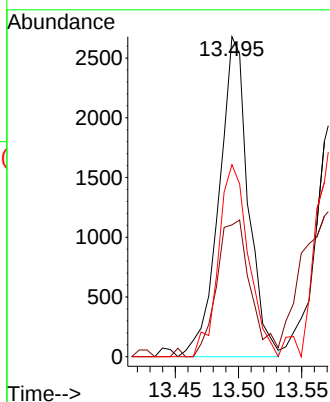
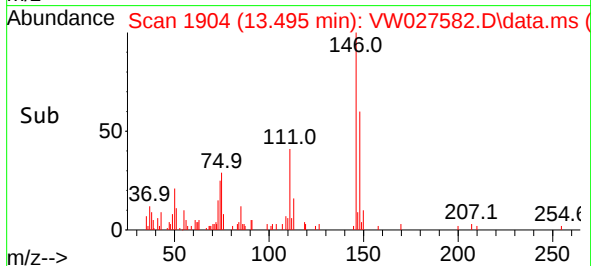
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



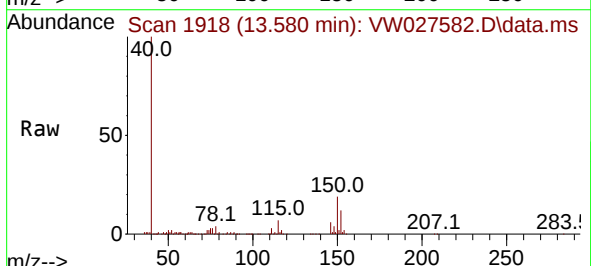
Tgt Ion:146 Resp: 4308
Ion Ratio Lower Upper
146 100
111 41.2 29.5 54.7
148 60.0 42.8 79.6

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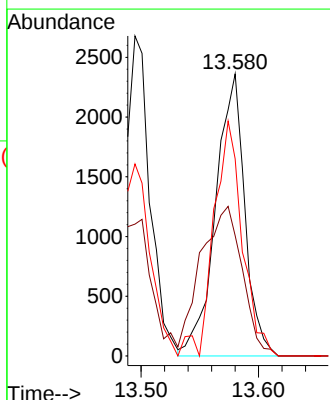
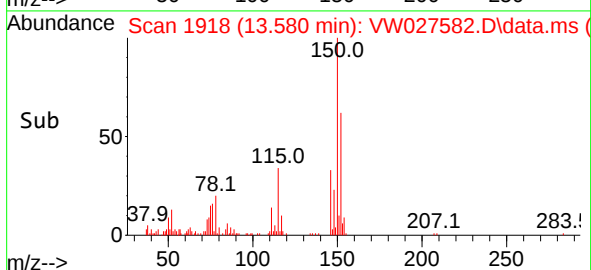
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

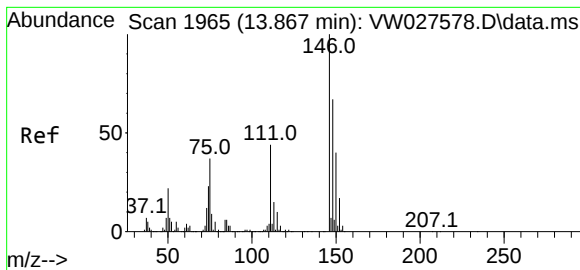


#65
1,4-Dichlorobenzene
Concen: 0.710 ug/L
RT: 13.580 min Scan# 1918
Delta R.T. 0.006 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09



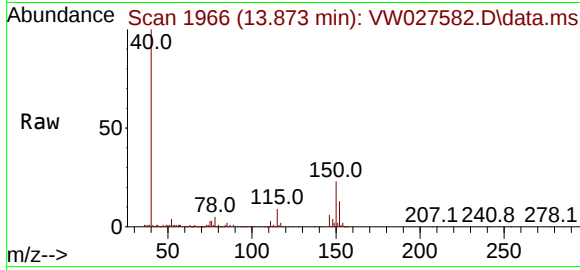
Tgt Ion:146 Resp: 4082
Ion Ratio Lower Upper
146 100
111 42.7 28.9 53.7
148 69.9 44.9 83.5





#67
 1,2-Dichlorobenzene
 Concen: 0.686 ug/L
 RT: 13.873 min Scan# 1966
 Delta R.T. 0.006 min
 Lab File: VW027582.D
 Acq: 08 Dec 2023 10:09

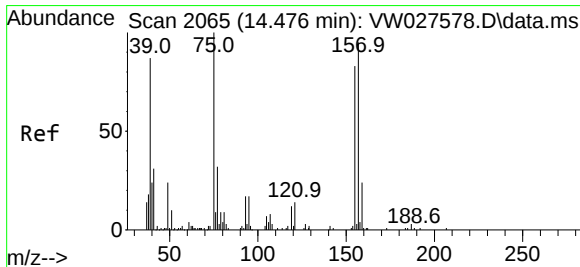
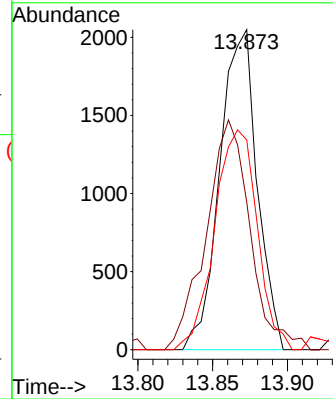
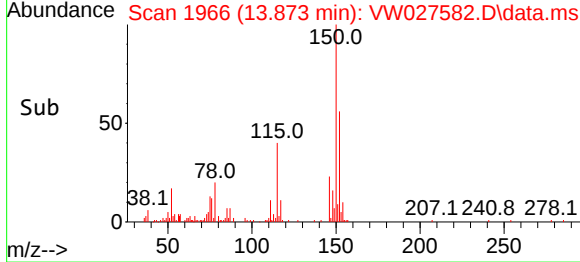
Instrument : MSVOA_W
 ClientSampleId : MDL-SOIL-QT4-2023-08



Tgt Ion:	146	Resp:	356
Ion Ratio	Lower	Upper	
146	100		
111	46.2	33.9	50.9
148	65.5	49.5	74.3

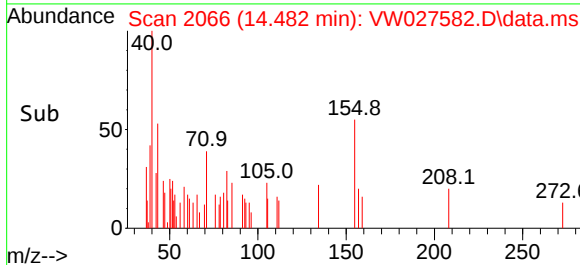
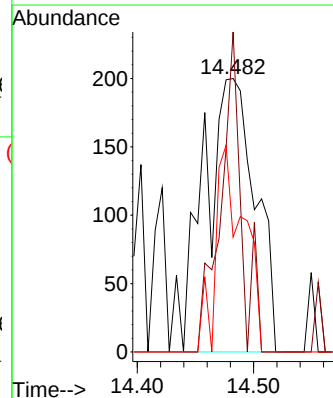
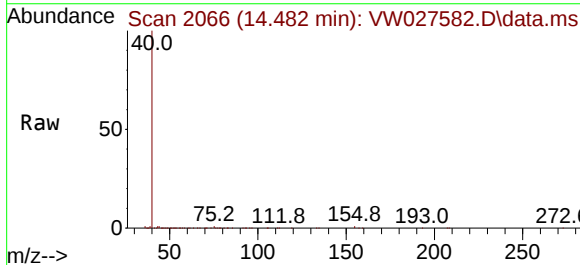
Manual Integrations
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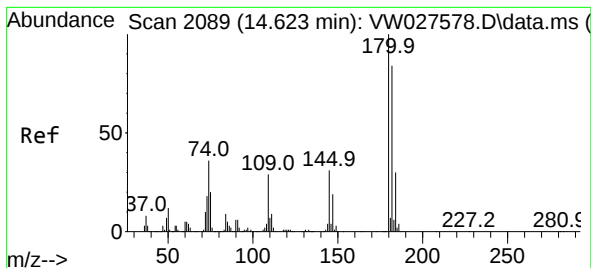
Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.142 ug/L m
 RT: 14.482 min Scan# 2066
 Delta R.T. 0.006 min
 Lab File: VW027582.D
 Acq: 08 Dec 2023 10:09

Tgt Ion:	75	Resp:	604
Ion Ratio	Lower	Upper	
75	100		
155	117.0	65.8	98.8#
157	42.0	63.0	94.6#





#69

1,3,5-Trichlorobenzene

Concen: 0.711 ug/L

RT: 14.623 min Scan# 2089

Delta R.T. -0.000 min

Lab File: VW027582.D

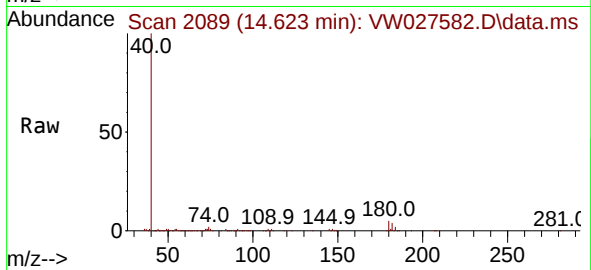
Acq: 08 Dec 2023 10:09

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08



Tgt Ion:180 Resp: 2750

Ion Ratio Lower Upper

180 100

182 94.2 73.2 109.8

184 35.5 25.4 38.2

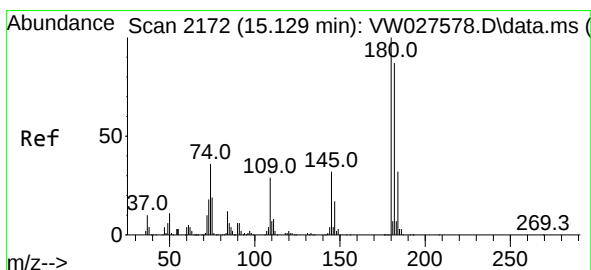
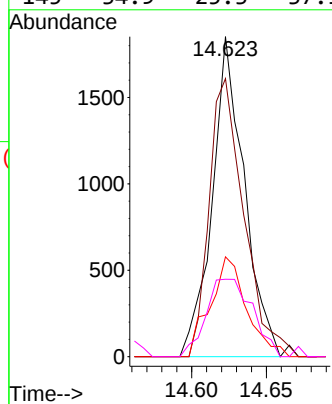
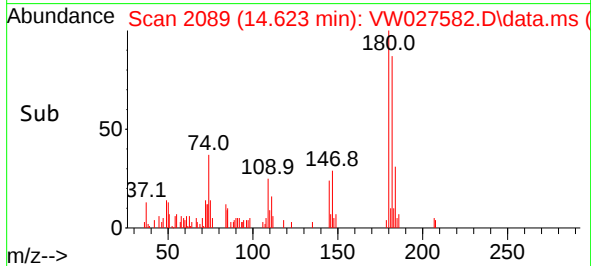
145 34.9 25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#70

1,2,4-trichlorobenzene

Concen: 0.687 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW027582.D

Acq: 08 Dec 2023 10:09

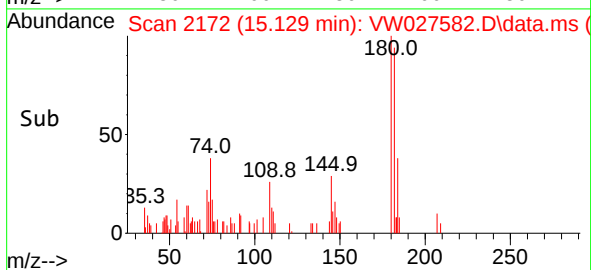
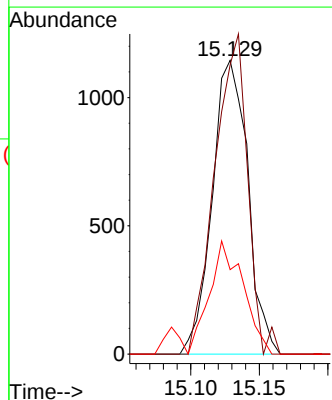
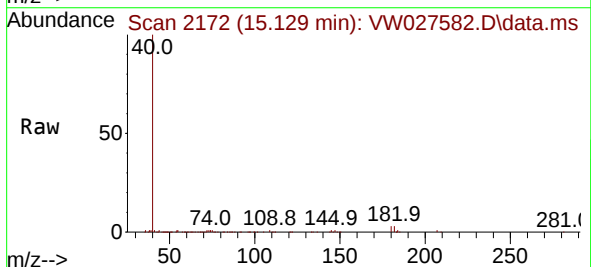
Tgt Ion:180 Resp: 2068

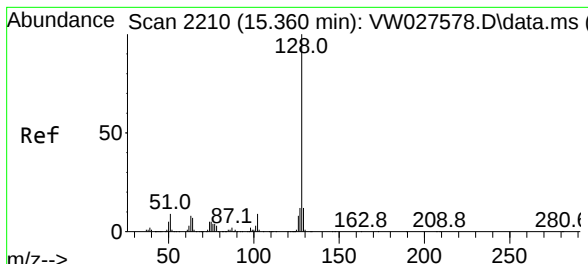
Ion Ratio Lower Upper

180 100

182 98.3 78.7 118.1

145 36.7 26.8 40.2



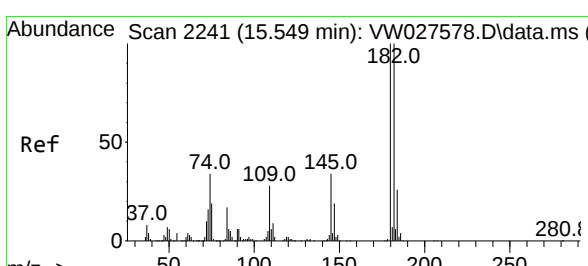
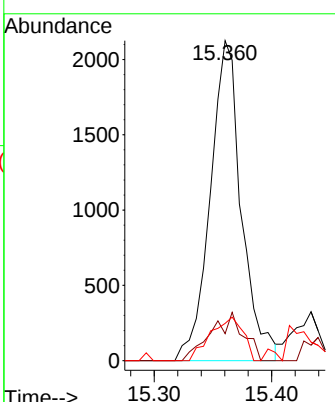
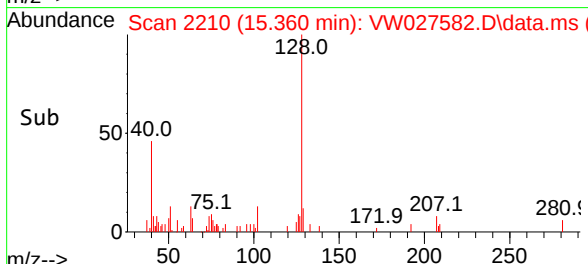
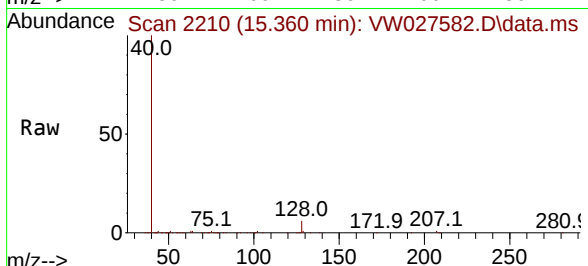


#71
Naphthalene
Concen: 0.619 ug/L
RT: 15.360 min Scan# 2210
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08

Tgt Ion:	128	Resp:	3919
Ion Ratio	Lower	Upper	
128	100		
127	2.6	10.3	15.5
129	14.2	8.6	12.8

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



#72
1,2,3-Trichlorobenzene
Concen: 0.699 ug/L
RT: 15.549 min Scan# 2241
Delta R.T. -0.000 min
Lab File: VW027582.D
Acq: 08 Dec 2023 10:09

Tgt Ion:	180	Resp:	1803
Ion Ratio	Lower	Upper	
180	100		
182	93.0	72.4	108.6
145	15.8	27.4	41.0

