

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120823\
 Data File : VW027581.D
 Acq On : 08 Dec 2023 09:45
 Operator : SY/MD
 Sample : 04696-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Dec 09 02:09:03 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	244827	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	207847	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	97033	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	102838	20.873	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.480%
7) Chloroethane-d5	2.899	69	80705	22.597	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.400%
11) 1,1-Dichloroethene-d2	4.027	65	48333	23.185	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	92.720%
21) 2-Butanone-d5	7.075	46	53340	41.317	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.640%
24) Chloroform-d	7.648	84	166677	22.808	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.240%
26) 1,2-Dichloroethane-d4	8.307	65	84546m	22.624	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.480%
32) Benzene-d6	8.276	84	358358	24.480	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.920%
36) 1,2-Dichloropropane-d6	9.270	67	103966	24.091	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.360%
41) Toluene-d8	10.325	98	303261	23.677	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	94.720%
43) trans-1,3-Dichloroprop...	10.581	79	35085	21.023	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	84.080%
47) 2-Hexanone-d5	10.922	63	33697	41.907	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	83.820%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	76840	21.647	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	86.600%
66) 1,2-Dichlorobenzene-d4	13.848	152	83132	24.441	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.760%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.021	85	2845m	0.868	ug/L	
3) Chloromethane	2.222	50	3223	0.803	ug/L	91
5) Vinyl chloride	2.369	62	4694m	1.002	ug/L	
6) Bromomethane	2.795	94	2304m	0.937	ug/L	
8) Chloroethane	2.923	64	2963m	1.108	ug/L	
9) Trichlorofluoromethane	3.283	101	3511	0.783	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	4024m	1.052	ug/L	
12) 1,1-Dichloroethene	4.039	96	4384m	1.255	ug/L	
13) Acetone	4.131	43	3614m	2.904	ug/L	
14) Carbon disulfide	4.381	76	9299	0.881	ug/L	98
15) Methyl Acetate	4.685	43	2457m	1.130	ug/L	
16) Methylene chloride	4.929	84	8010	2.006	ug/L	94
17) trans-1,2-Dichloroethene	5.447	96	3140m	0.872	ug/L	
18) Methyl tert-butyl Ether	5.423	73	4252m	0.732	ug/L	
19) 1,1-Dichloroethane	6.228	63	5339	0.729	ug/L	96
20) cis-1,2-Dichloroethene	7.167	96	3248m	0.840	ug/L	
22) 2-Butanone	7.148	43	5830m	3.631	ug/L	
23) Bromochloromethane	7.514	128	1122	0.738	ug/L	90
25) Chloroform	7.673	83	5423	0.816	ug/L	81

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.410	62	3522m	0.820	ug/L	
29) Cyclohexane	7.953	56	5244	0.767	ug/L	91
30) 1,1,1-Trichloroethane	7.874	97	4313	0.744	ug/L	92
31) Carbon tetrachloride	8.069	117	3995	0.790	ug/L	100
33) Benzene	8.319	78	11156	0.778	ug/L	100
34) Trichloroethene	9.099	95	3049	0.778	ug/L	97
35) Methylcyclohexane	9.337	83	5323	0.763	ug/L	96
37) 1,2-Dichloropropane	9.367	63	3069	0.810	ug/L #	97
38) Bromodichloromethane	9.648	83	3210	0.733	ug/L	96
39) cis-1,3-Dichloropropene	10.075	75	3958m	0.724	ug/L	
40) 4-Methyl-2-pentanone	10.209	43	3884m	1.517	ug/L	
42) Toluene	10.386	91	11624	0.766	ug/L	93
44) trans-1,3-Dichloropropene	10.605	75	3523m	0.799	ug/L	
45) 1,1,2-Trichloroethane	10.782	97	1877	0.712	ug/L	92
49) Dibromochloromethane	11.123	129	1715	0.658	ug/L	97
50) 1,2-Dibromoethane	11.233	107	1800	0.746	ug/L #	89
51) Chlorobenzene	11.654	112	6616	0.723	ug/L	96
52) Ethylbenzene	11.727	91	12682	0.736	ug/L	99
53) m,p-Xylene	11.843	106	4714	0.742	ug/L	92
54) o-Xylene	12.166	106	4023	0.697	ug/L	88
55) Styrene	12.178	104	6176	0.627	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.714	83	2392	0.697	ug/L #	85
59) Bromoform	12.349	173	1063	0.782	ug/L #	56
60) Isopropylbenzene	12.458	105	12169	0.760	ug/L #	92
61) 1,2,3-Trichloropropane	12.763	75	1782	0.761	ug/L #	79
62) 1,3,5-Trimethylbenzene	12.940	105	8346	0.704	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	8732	0.740	ug/L	96
64) 1,3-Dichlorobenzene	13.495	146	4515	0.736	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	4739	0.774	ug/L	93
67) 1,2-Dichlorobenzene	13.867	146	4267	0.772	ug/L #	92
68) 1,2-Dibromo-3-chloropr...	14.476	75	539m	0.957	ug/L	
69) 1,3,5-Trichlorobenzene	14.629	180	2943	0.713	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	2368	0.739	ug/L	97
71) Naphthalene	15.360	128	4763	0.707	ug/L	97
72) 1,2,3-Trichlorobenzene	15.543	180	2006	0.731	ug/L #	87

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

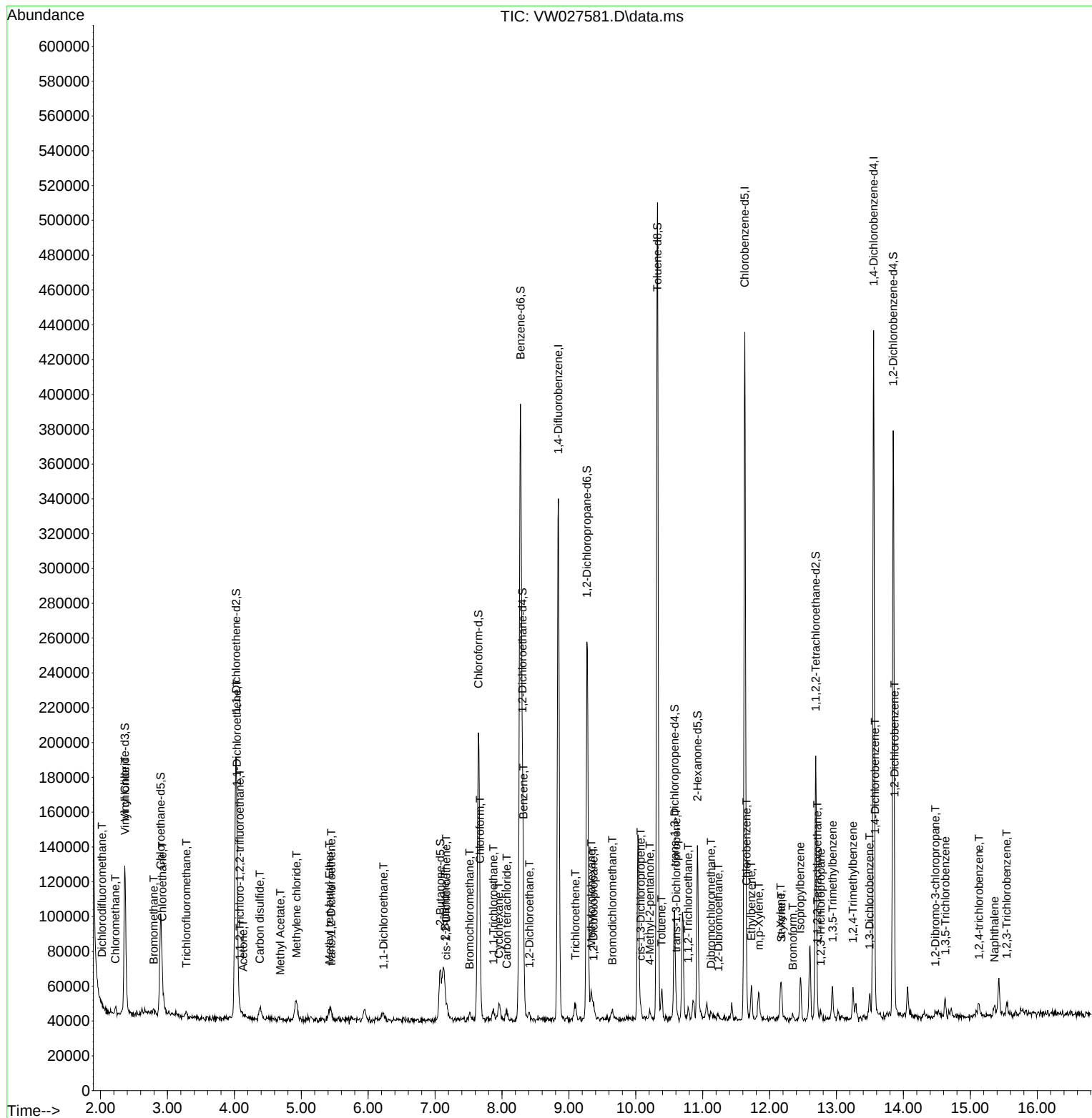
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW120823\
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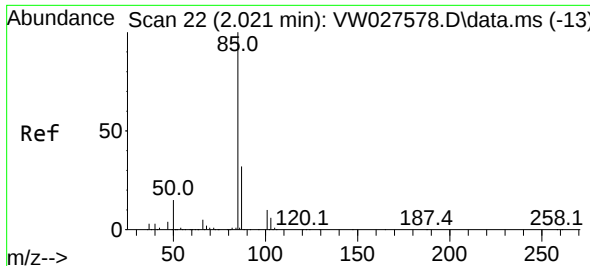
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 ClientSampleId :
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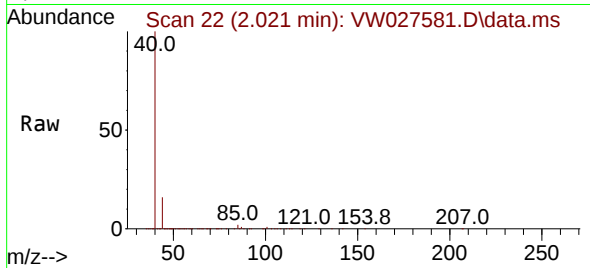
Reviewed By : Semsettin Yesilyurt 12/11/2023
 Supervised By : Mahesh Dadoda 12/11/2023





#2
Dichlorodifluoromethane
Concen: 0.868 ug/L m
RT: 2.021 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

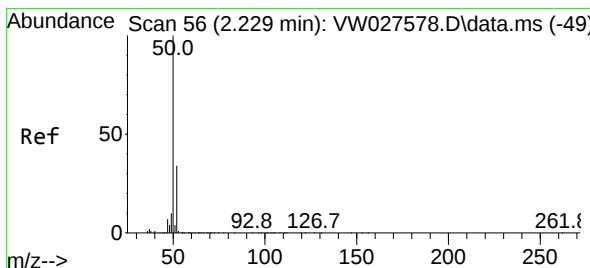
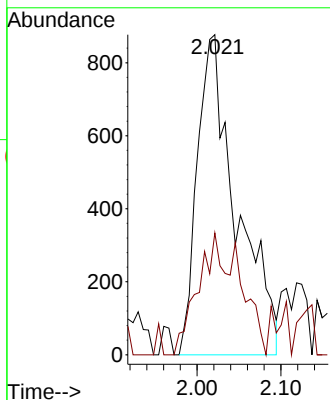
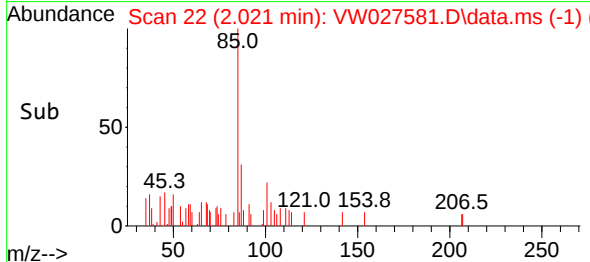
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



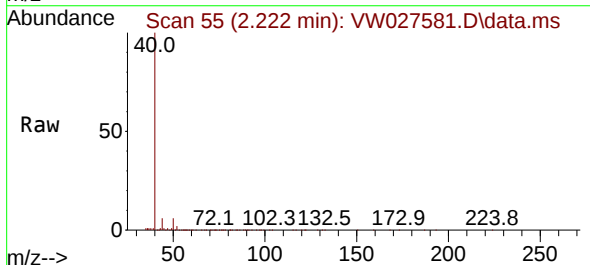
Tgt Ion: 85 Resp: 284
Ion Ratio Lower Upper
85 100
87 1.8 24.0 36.0

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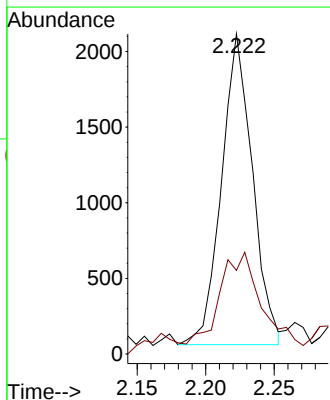
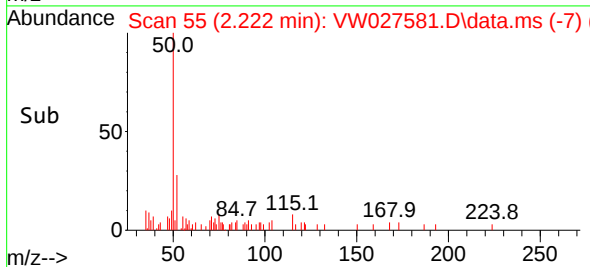
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

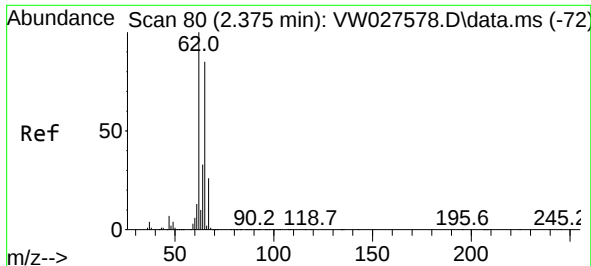


#3
Chloromethane
Concen: 0.803 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45



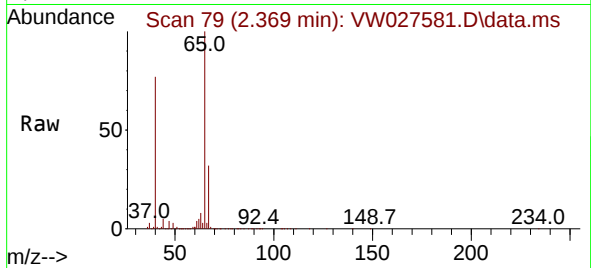
Tgt Ion: 50 Resp: 3223
Ion Ratio Lower Upper
50 100
52 26.1 21.8 40.6





#5
 Vinyl chloride
 Concen: 1.002 ug/L m
 RT: 2.369 min Scan# 79
 Delta R.T. -0.006 min
 Lab File: VW027581.D
 Acq: 08 Dec 2023 09:45

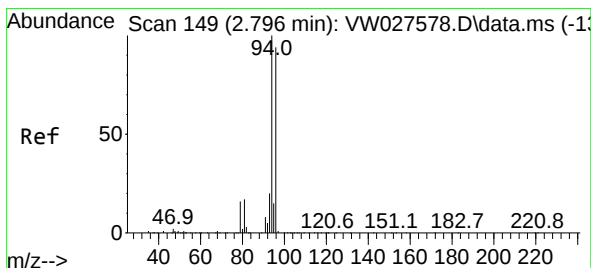
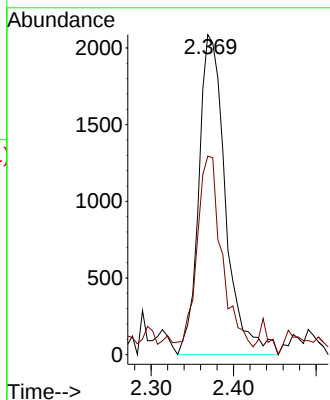
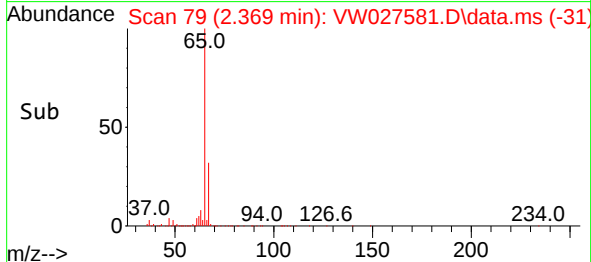
Instrument :
 MSVOA_W
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 MDL-SOIL-QT4-2023-07



Tgt Ion: 62 Resp: 4694
 Ion Ratio Lower Upper
 62 100
 64 62.1 22.2 41.2

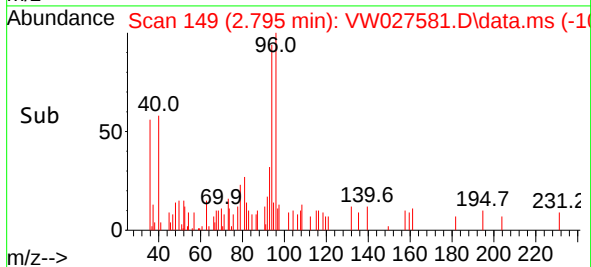
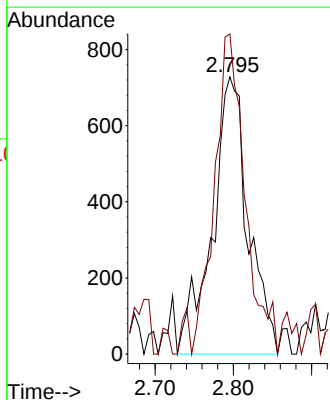
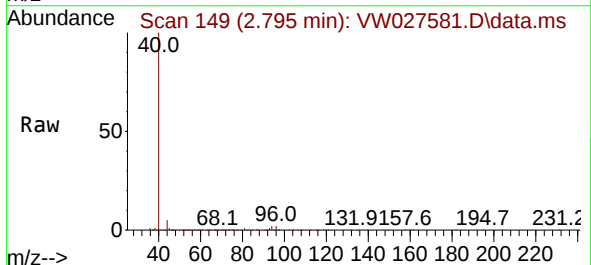
Manual Integrations
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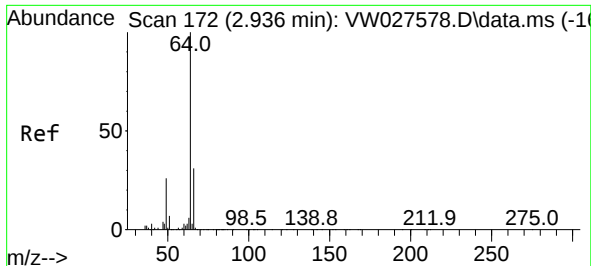
Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023



#6
 Bromomethane
 Concen: 0.937 ug/L m
 RT: 2.795 min Scan# 149
 Delta R.T. -0.000 min
 Lab File: VW027581.D
 Acq: 08 Dec 2023 09:45

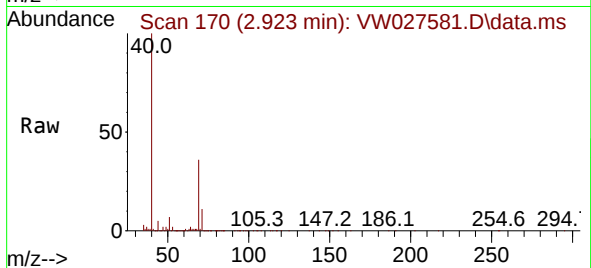
Tgt Ion: 94 Resp: 2304
 Ion Ratio Lower Upper
 94 100
 96 115.5 63.3 117.7





#8
Chloroethane
Concen: 1.108 ug/L m
RT: 2.923 min Scan# 172
Delta R.T. -0.012 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

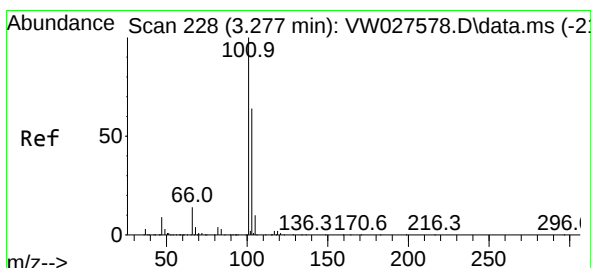
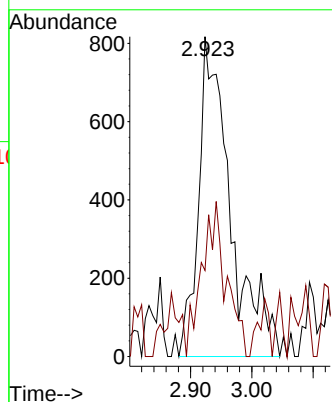
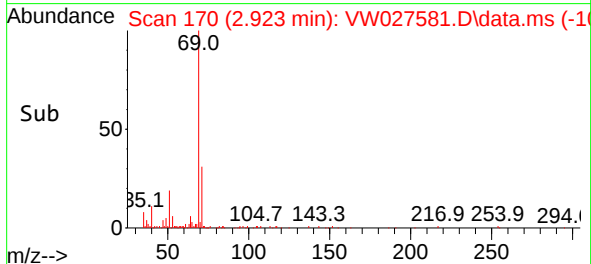
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion: 64 Resp: 296
Ion Ratio Lower Upper
64 100
66 26.9 24.1 44.7

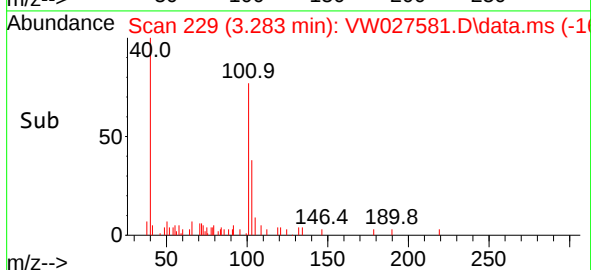
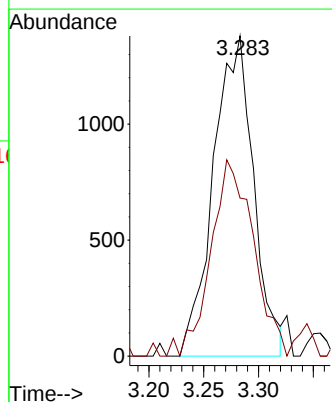
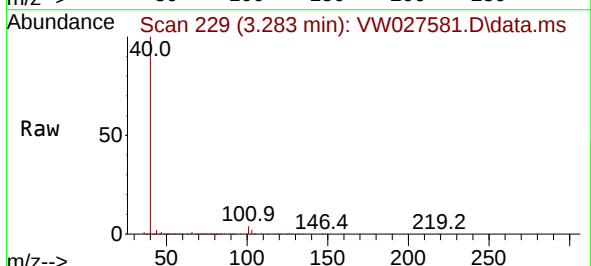
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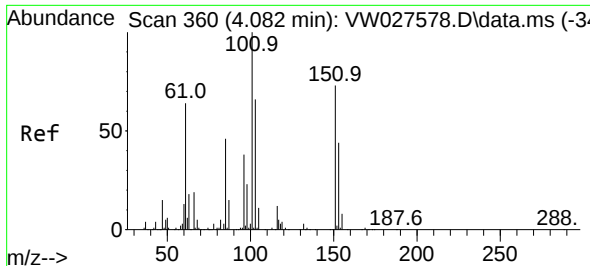
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#9
Trichlorofluoromethane
Concen: 0.783 ug/L
RT: 3.283 min Scan# 229
Delta R.T. 0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

Tgt Ion:101 Resp: 3511
Ion Ratio Lower Upper
101 100
103 64.3 52.0 78.0





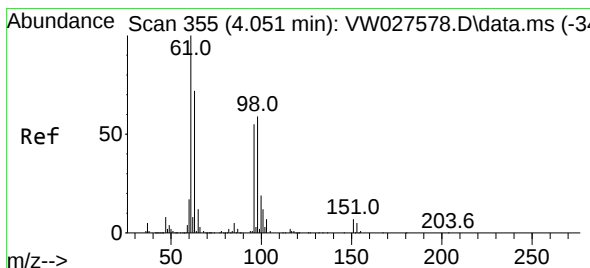
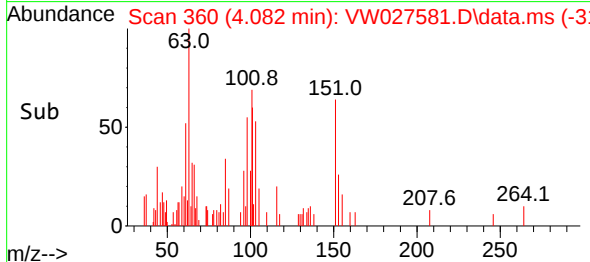
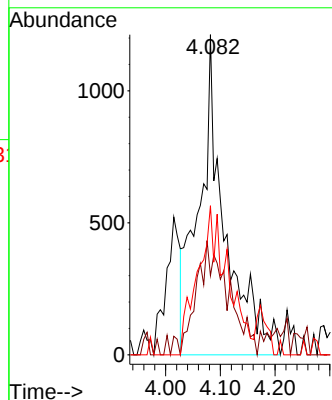
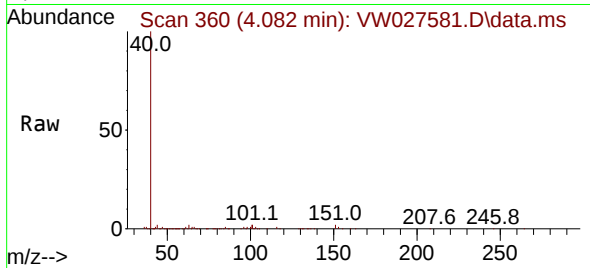
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.052 ug/L m
RT: 4.082 min Scan# 30
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

Instrument :
MSVOA_W
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Tgt Ion:101 Resp: 4024
Ion Ratio Lower Upper
101 100
85 4.2 33.9 50.9
151 31.3 54.6 81.8

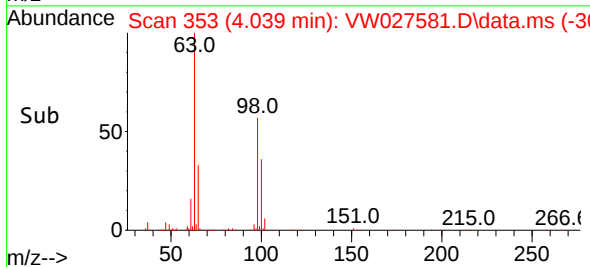
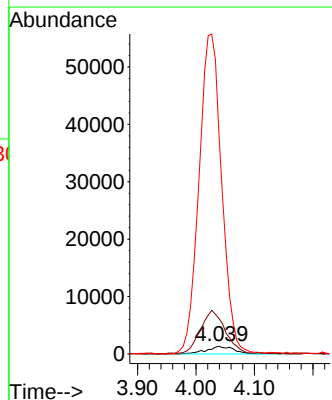
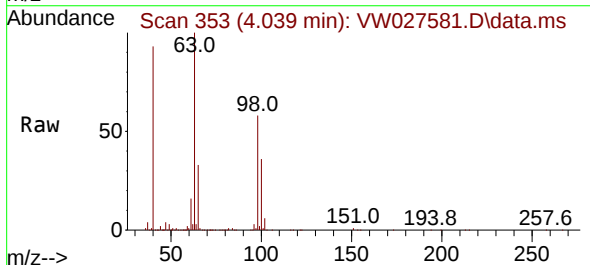
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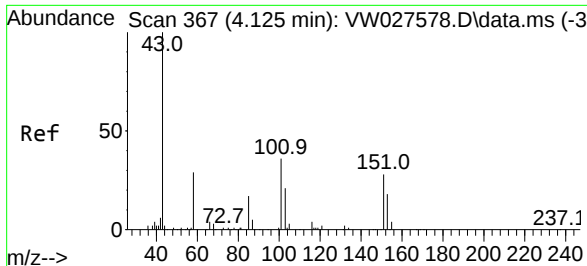
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#12
1,1-Dichloroethene
Concen: 1.255 ug/L m
RT: 4.039 min Scan# 353
Delta R.T. -0.012 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

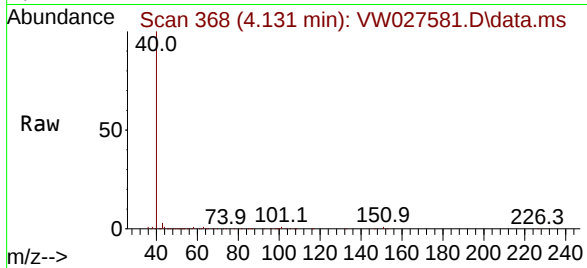
Tgt Ion: 96 Resp: 4384
Ion Ratio Lower Upper
96 100
61 463.1 127.8 237.4#
63 2882.4 104.9 194.7#





#13
Acetone
Concen: 2.904 ug/L m
RT: 4.131 min Scan# 30
Delta R.T. 0.006 min
Lab File: VW027581.D
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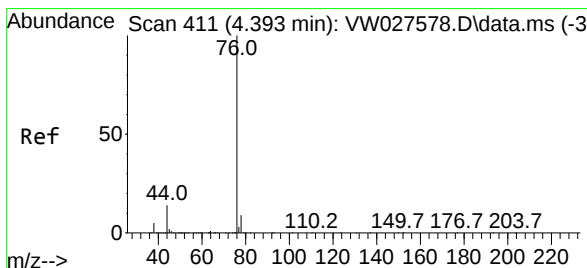
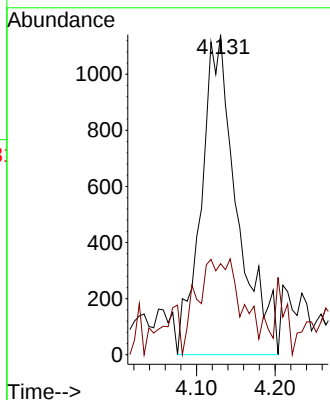
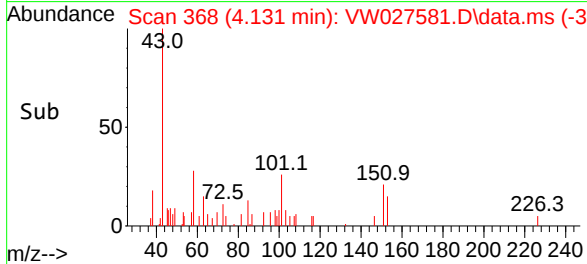
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Tgt Ion: 43 Resp: 3614
Ion Ratio Lower Upper
43 100
58 4.2 0.0 60.0

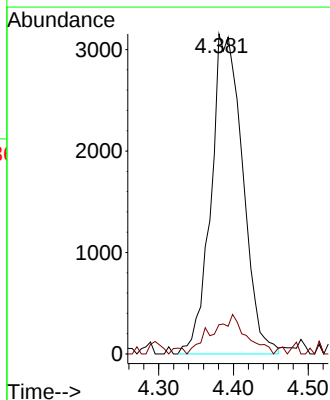
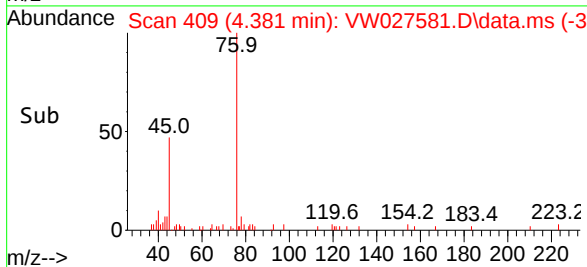
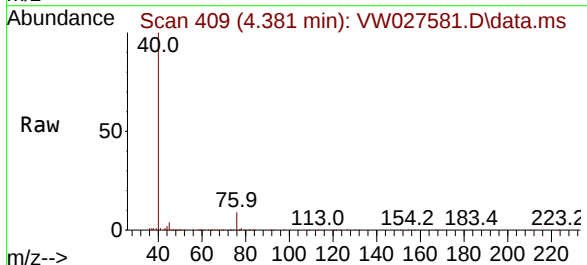
Manual Integrations
APPROVED

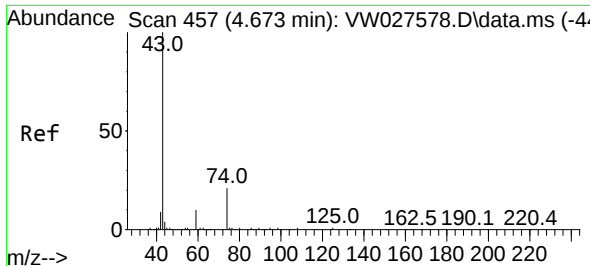
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#14
Carbon disulfide
Concen: 0.881 ug/L
RT: 4.381 min Scan# 409
Delta R.T. -0.012 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

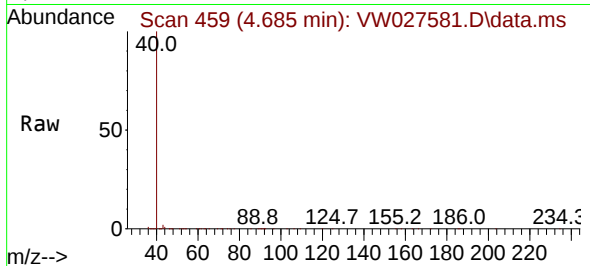
Tgt Ion: 76 Resp: 9299
Ion Ratio Lower Upper
76 100
78 9.1 7.8 11.6





#15
Methyl Acetate
Concen: 1.130 ug/L m
RT: 4.685 min Scan# 4
Delta R.T. 0.012 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

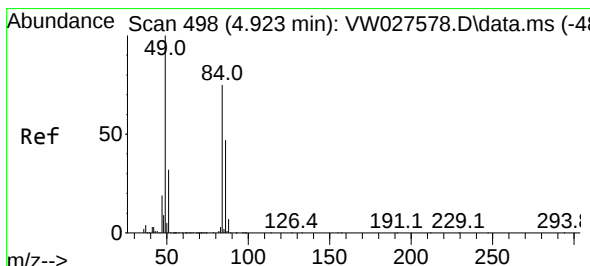
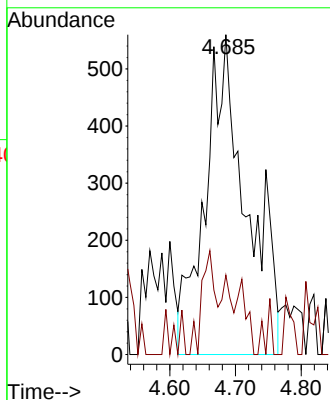
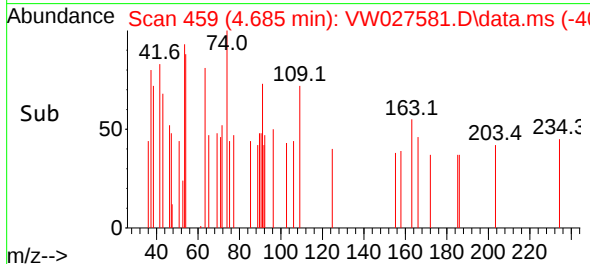
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



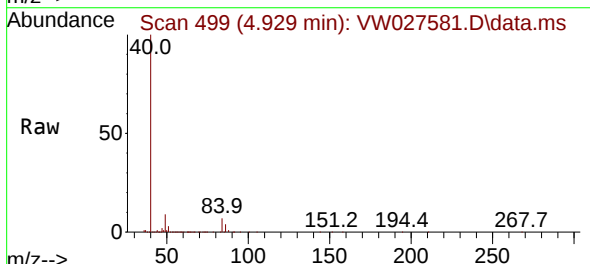
Tgt Ion: 43 Resp: 245
Ion Ratio Lower Upper
43 100
74 4.2 16.8 25.2

Manual Integrations
APPROVED

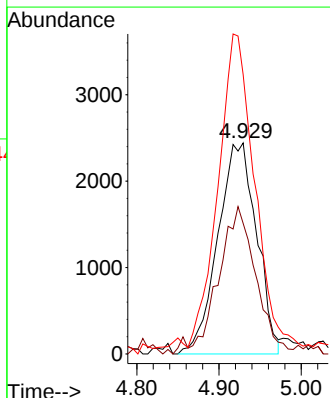
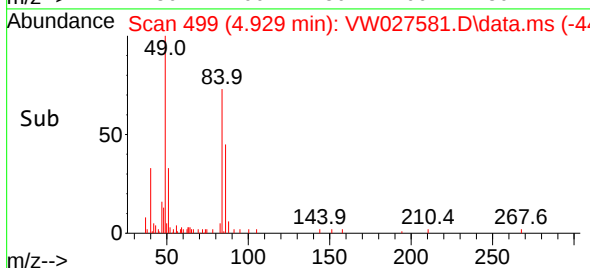
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

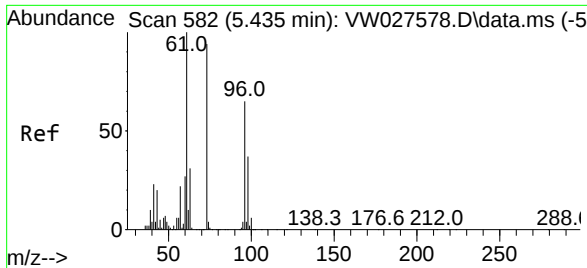


#16
Methylene chloride
Concen: 2.006 ug/L
RT: 4.929 min Scan# 499
Delta R.T. 0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45



Tgt Ion: 84 Resp: 8010
Ion Ratio Lower Upper
84 100
86 61.9 47.7 88.7
49 132.3 97.4 181.0





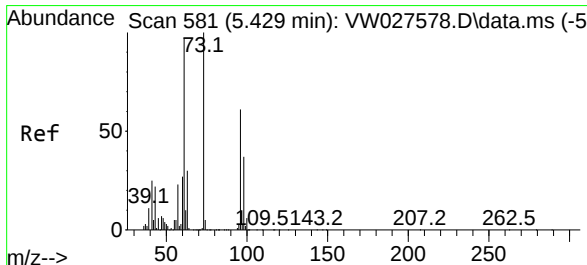
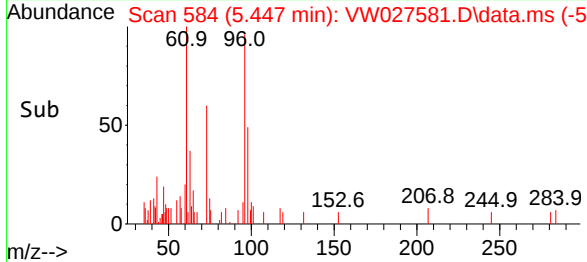
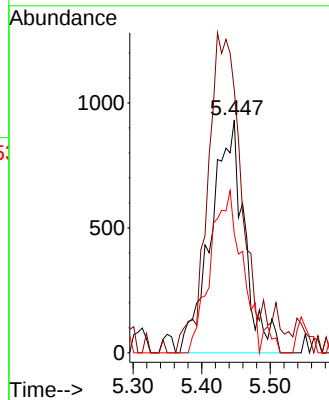
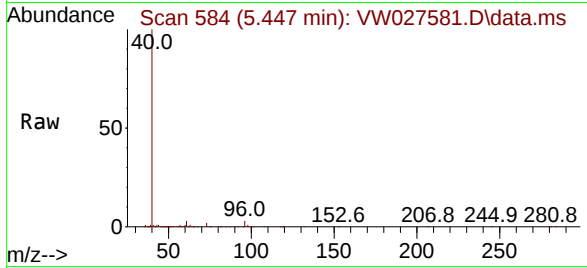
#17
trans-1,2-Dichloroethene
Concen: 0.872 ug/L m
RT: 5.447 min Scan# 582
Delta R.T. 0.012 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

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

Tgt Ion: 96 Resp: 3140
Ion Ratio Lower Upper
96 100
61 112.9 109.6 203.6
98 51.1 41.9 77.7

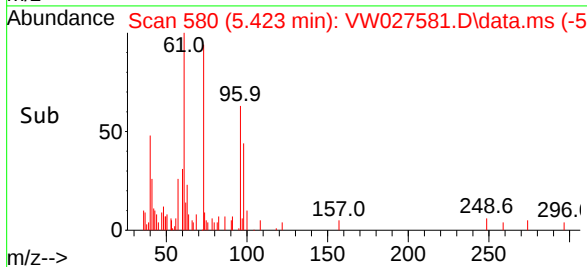
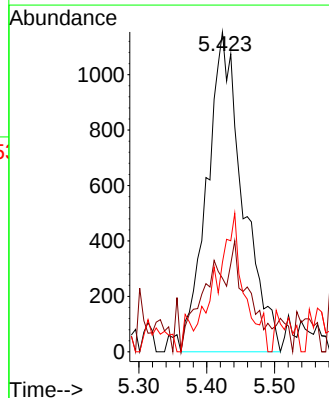
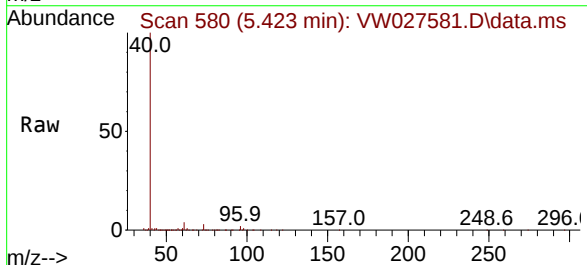
Manual Integrations
APPROVED

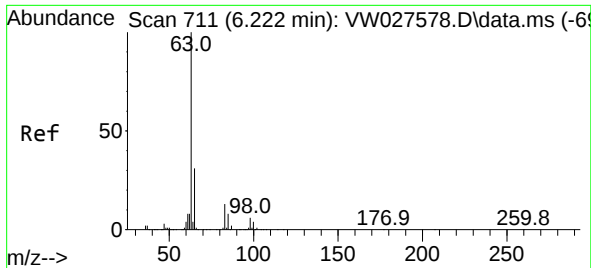
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#18
Methyl tert-butyl Ether
Concen: 0.732 ug/L m
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

Tgt Ion: 73 Resp: 4252
Ion Ratio Lower Upper
73 100
43 20.2 17.8 26.6
57 6.0 19.9 29.9





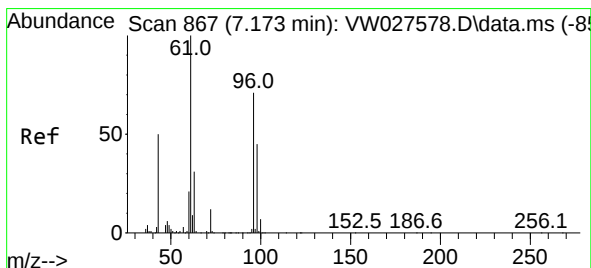
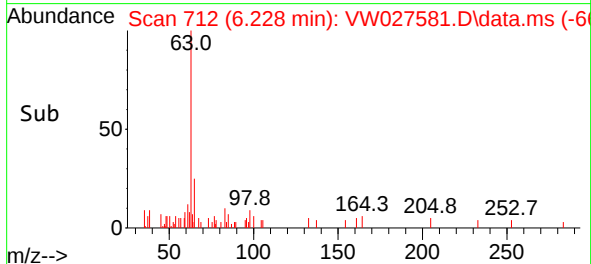
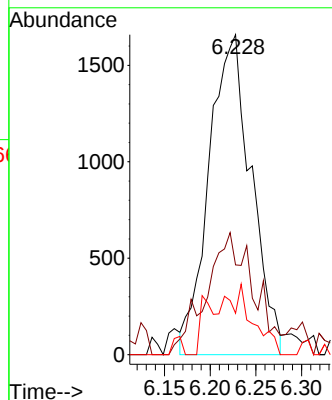
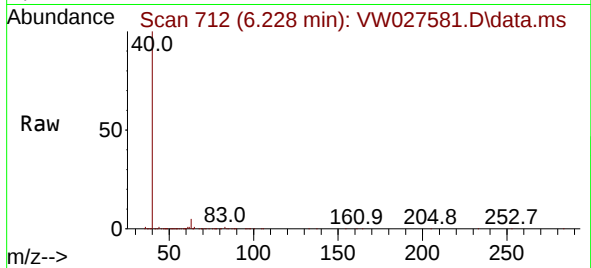
#19
1,1-Dichloroethane
Concen: 0.729 ug/L
RT: 6.228 min Scan# 711
Delta R.T. 0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

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

Tgt Ion: 63 Resp: 5339
Ion Ratio Lower Upper
63 100
65 28.0 22.0 40.8
83 13.0 9.0 16.8

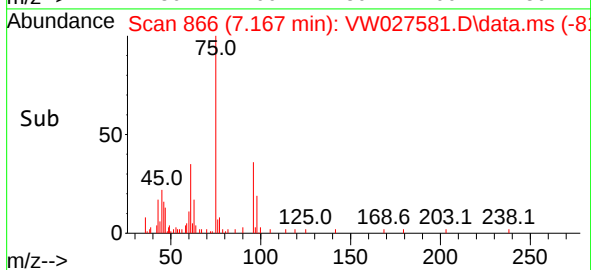
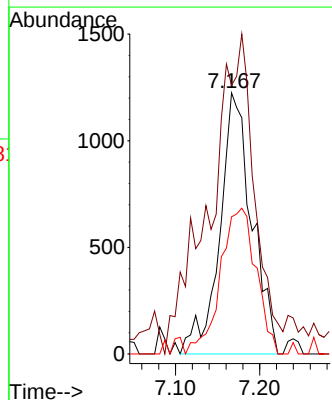
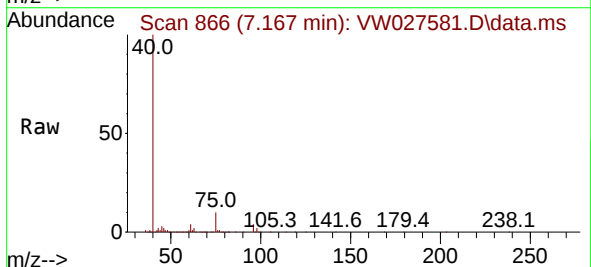
Manual Integrations
APPROVED

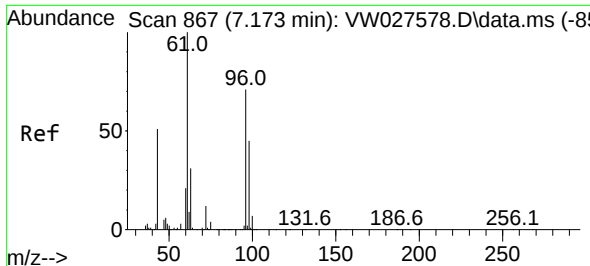
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#20
cis-1,2-Dichloroethene
Concen: 0.840 ug/L m
RT: 7.167 min Scan# 866
Delta R.T. -0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

Tgt Ion: 96 Resp: 3248
Ion Ratio Lower Upper
96 100
61 102.9 94.0 174.6
98 52.5 45.1 83.7





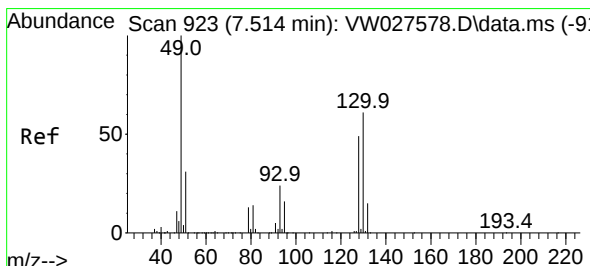
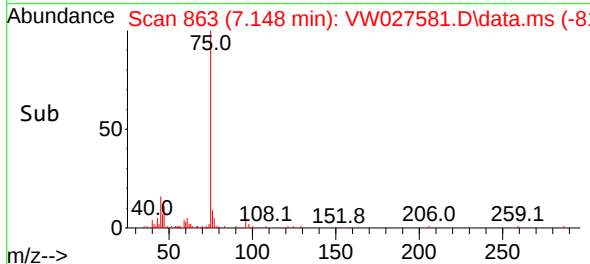
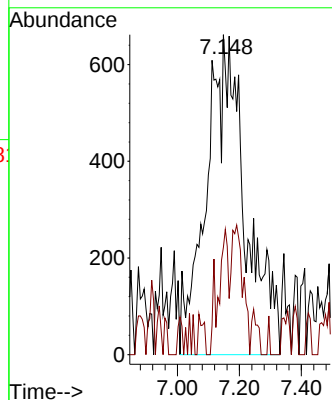
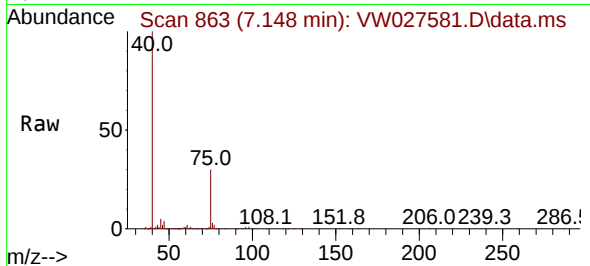
#22
2-Butanone
Concen: 3.631 ug/L m
RT: 7.148 min Scan# 863
Delta R.T. -0.024 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

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

Tgt Ion: 43 Resp: 5830
Ion Ratio Lower Upper
43 100
72 2.0 11.9 35.9

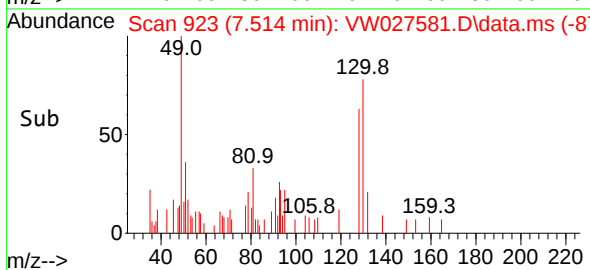
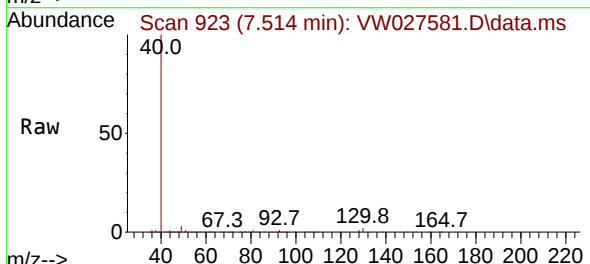
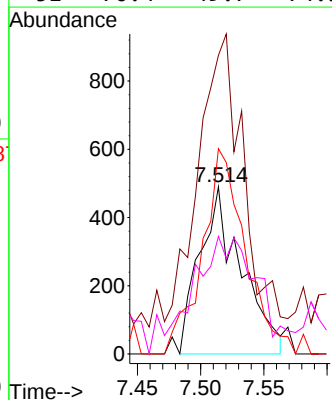
Manual Integrations
APPROVED

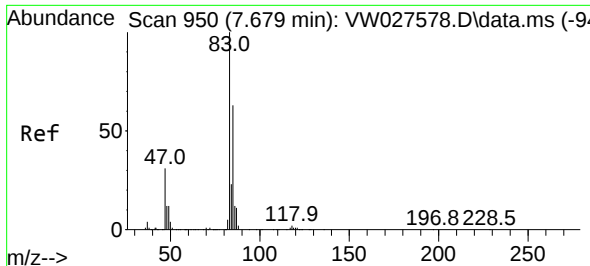
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#23
Bromochloromethane
Concen: 0.738 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

Tgt Ion:128 Resp: 1122
Ion Ratio Lower Upper
128 100
49 178.6 137.8 256.0
130 122.9 91.2 169.4
51 70.4 49.7 74.5





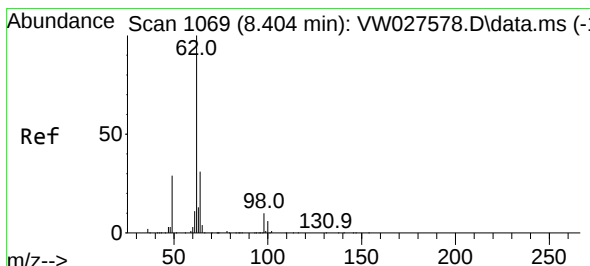
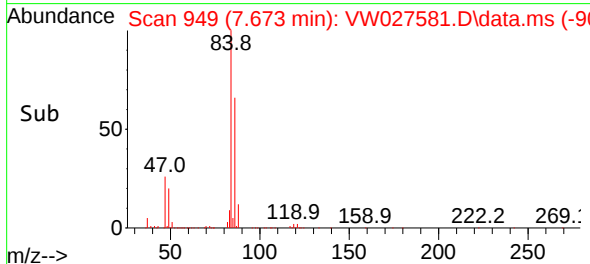
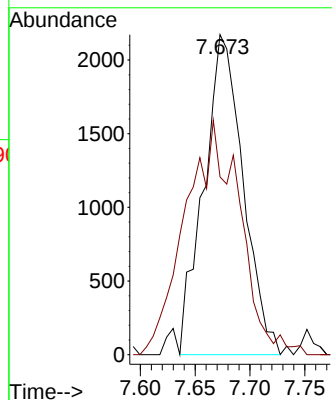
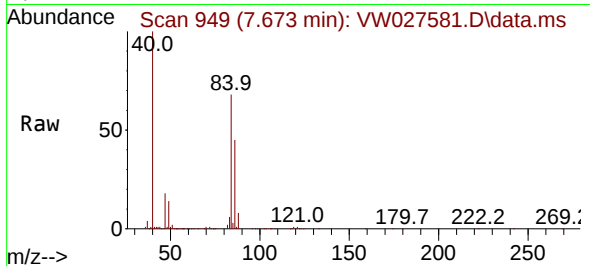
#25
Chloroform
Concen: 0.816 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

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

Tgt Ion: 83 Resp: 542
Ion Ratio Lower Upper
83 100
85 55.6 49.8 92.6

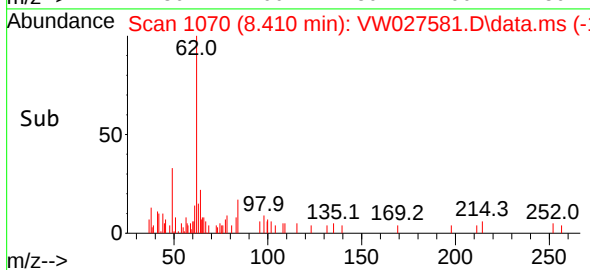
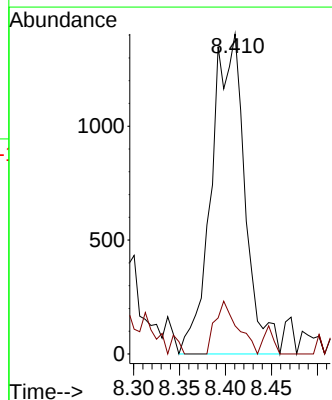
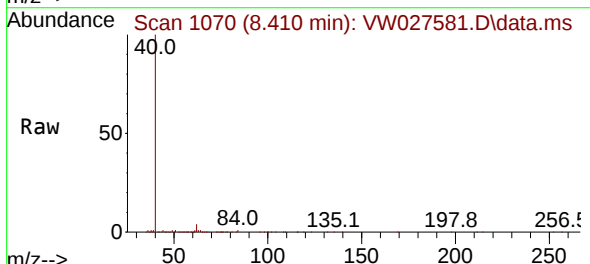
Manual Integrations
APPROVED

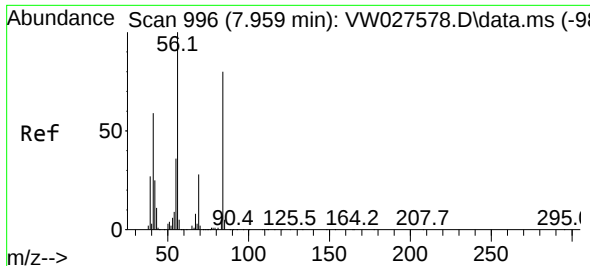
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#27
1,2-Dichloroethane
Concen: 0.820 ug/L m
RT: 8.410 min Scan# 1070
Delta R.T. 0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

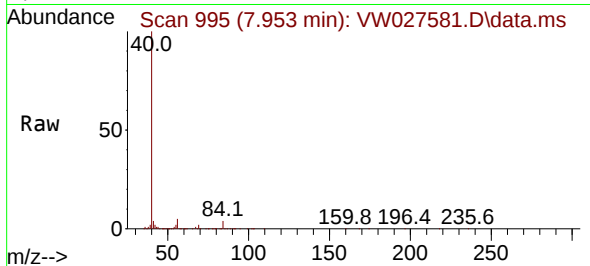
Tgt Ion: 62 Resp: 3522
Ion Ratio Lower Upper
62 100
98 8.8 7.4 11.0





#29
Cyclohexane
Concen: 0.767 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

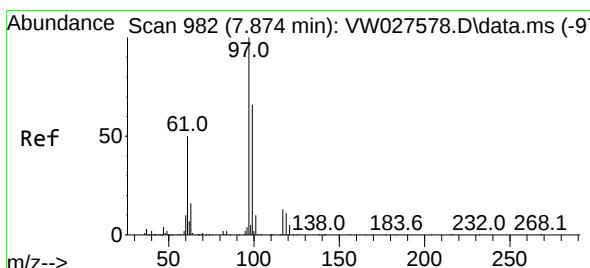
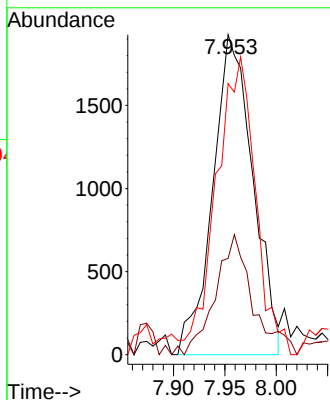
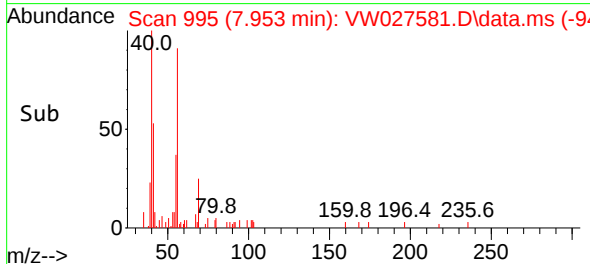
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



Tgt Ion: 56 Resp: 524
Ion Ratio Lower Upper
56 100
69 32.3 24.1 36.1
84 90.7 65.0 97.4

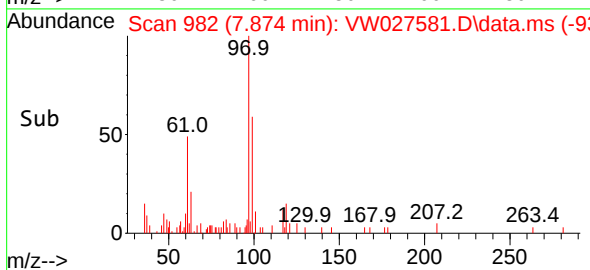
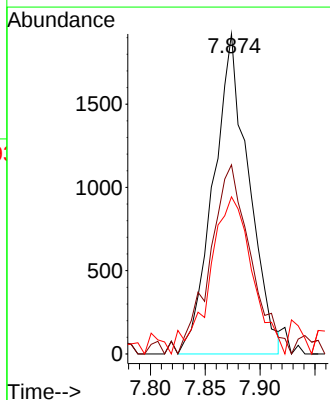
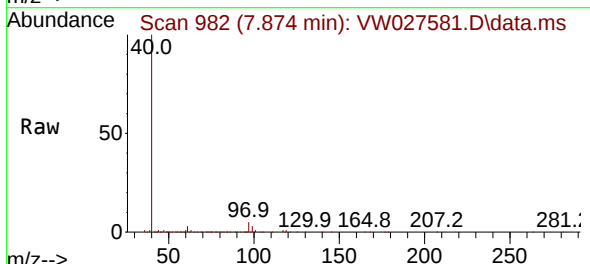
Manual Integrations
APPROVED

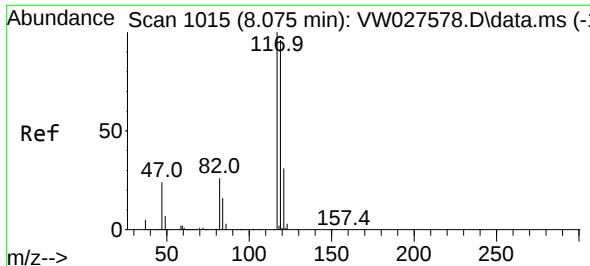
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#30
1,1,1-Trichloroethane
Concen: 0.744 ug/L
RT: 7.874 min Scan# 982
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

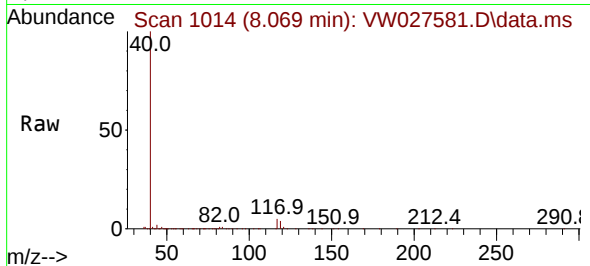
Tgt Ion: 97 Resp: 4313
Ion Ratio Lower Upper
97 100
99 67.4 50.5 75.7
61 56.3 39.0 58.4





#31
Carbon tetrachloride
Concen: 0.790 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

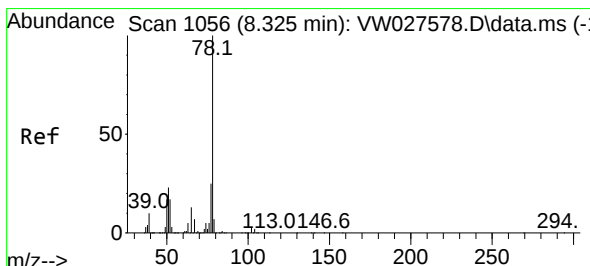
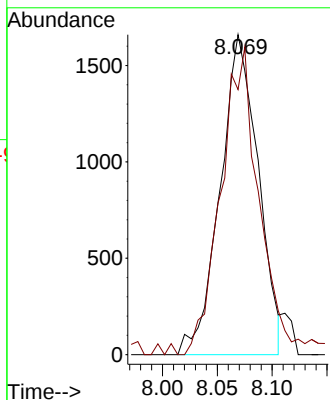
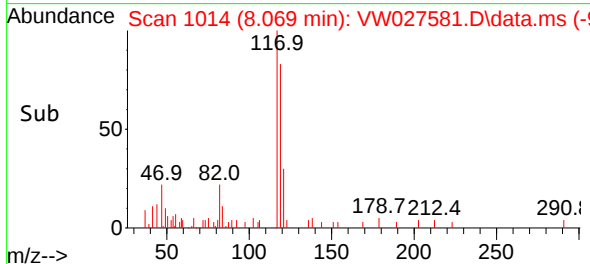
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion:117 Resp: 399
Ion Ratio Lower Upper
117 100
119 96.5 77.0 115.6

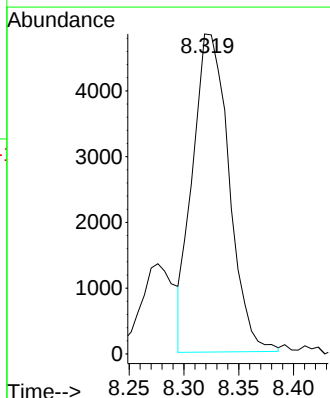
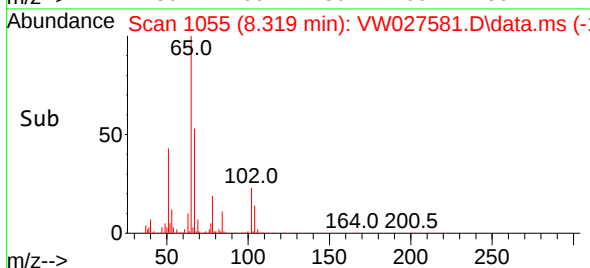
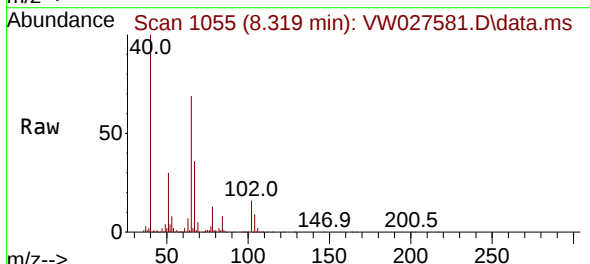
Manual Integrations
APPROVED

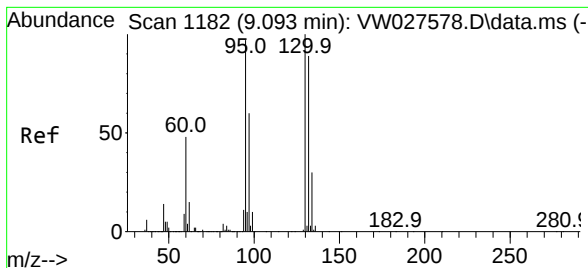
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#33
Benzene
Concen: 0.778 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

Tgt Ion: 78 Resp: 11156





#34

Trichloroethene

Concen: 0.778 ug/L

RT: 9.099 min Scan# 1182

Delta R.T. 0.006 min

Lab File: VW027581.D

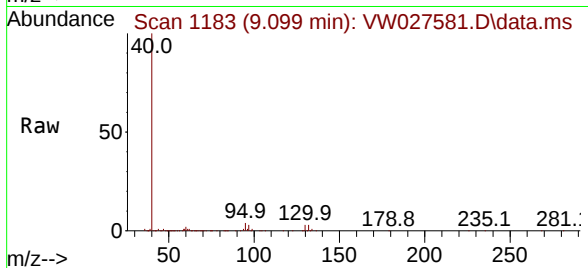
Acq: 08 Dec 2023 09:45

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 95 Resp: 3049

Ion Ratio Lower Upper

95 100

97 68.9 43.0 80.0

132 91.1 64.1 119.1

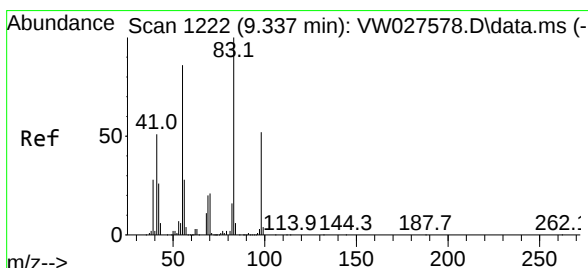
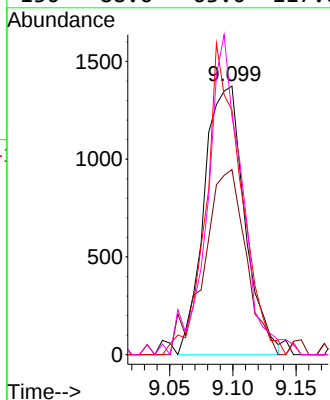
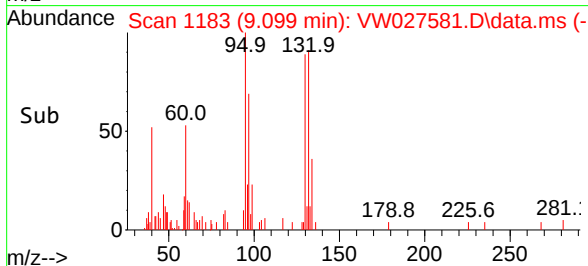
130 88.6 63.0 117.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#35

Methylcyclohexane

Concen: 0.763 ug/L

RT: 9.337 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VW027581.D

Acq: 08 Dec 2023 09:45

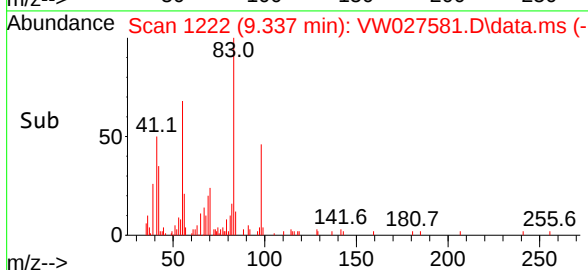
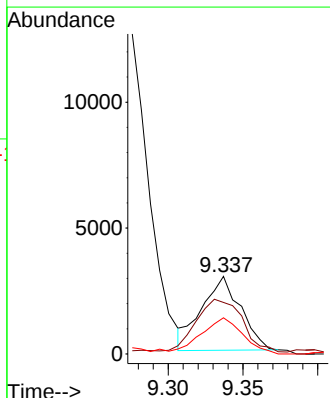
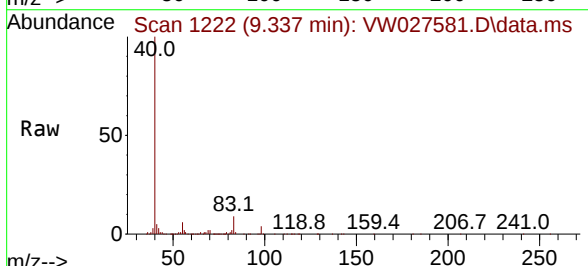
Tgt Ion: 83 Resp: 5323

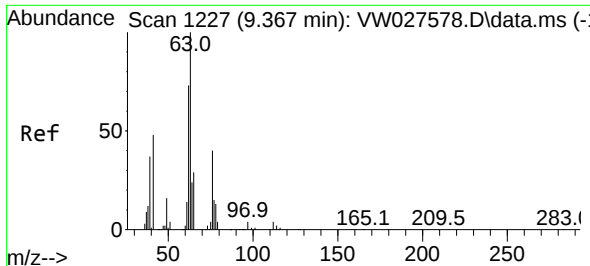
Ion Ratio Lower Upper

83 100

55 84.7 65.6 98.4

98 51.9 38.3 57.5





#37

1,2-Dichloropropane

Concen: 0.810 ug/L

RT: 9.367 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW027581.D

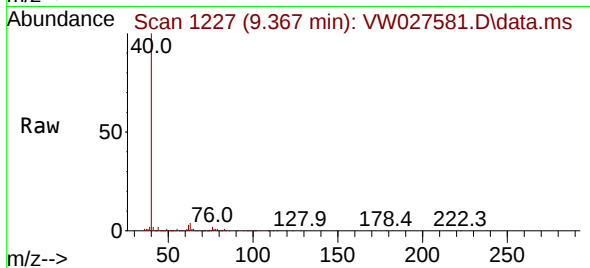
Acq: 08 Dec 2023 09:45

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 63 Resp: 3069

Ion Ratio Lower Upper

63 100

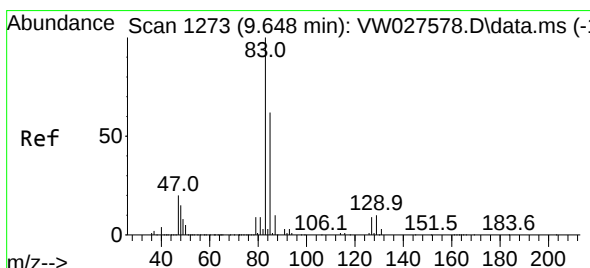
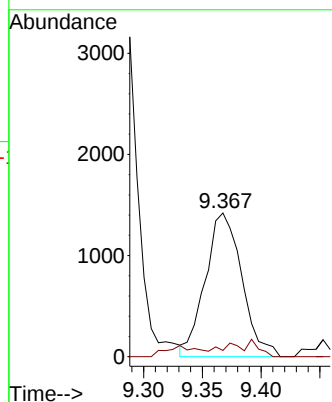
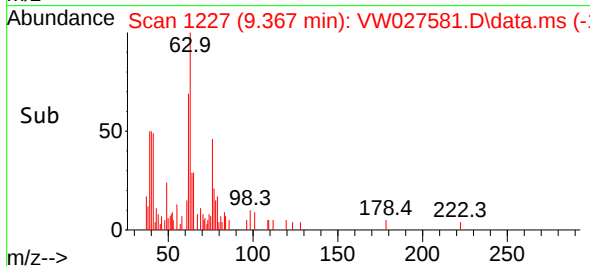
112 3.6 3.6 5.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#38

Bromodichloromethane

Concen: 0.733 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VW027581.D

Acq: 08 Dec 2023 09:45

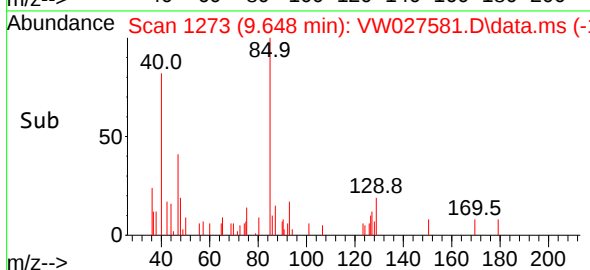
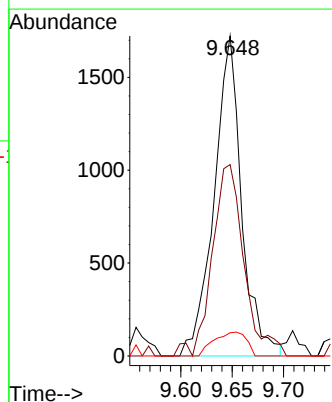
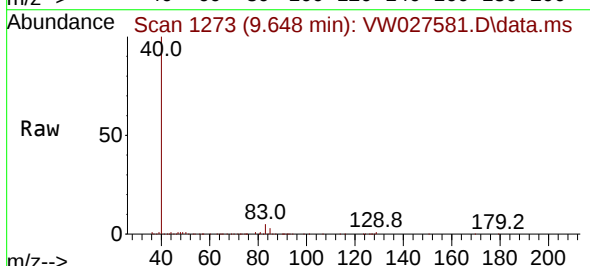
Tgt Ion: 83 Resp: 3210

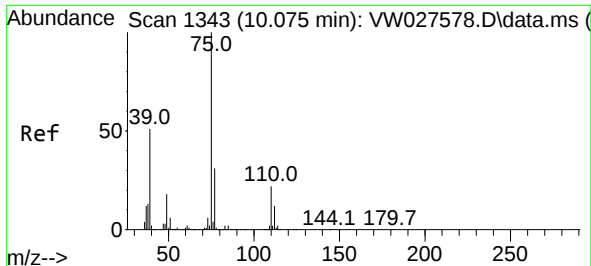
Ion Ratio Lower Upper

83 100

85 59.8 44.3 82.3

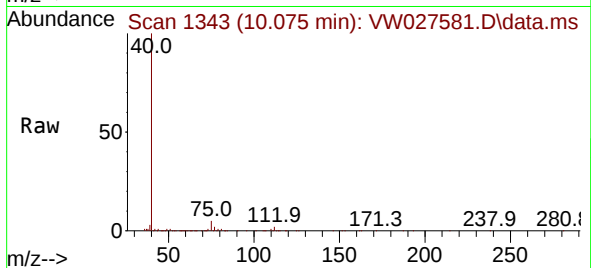
127 7.3 5.3 7.9





#39
cis-1,3-Dichloropropene
Concen: 0.724 ug/L m
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

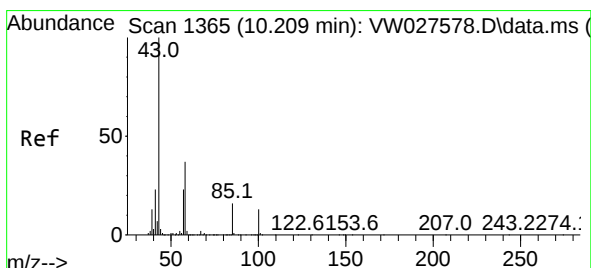
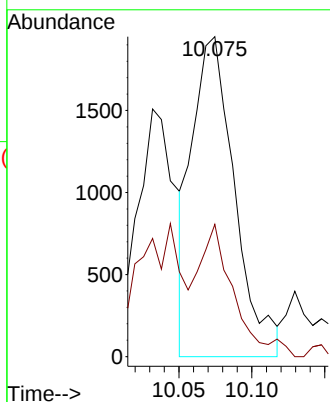
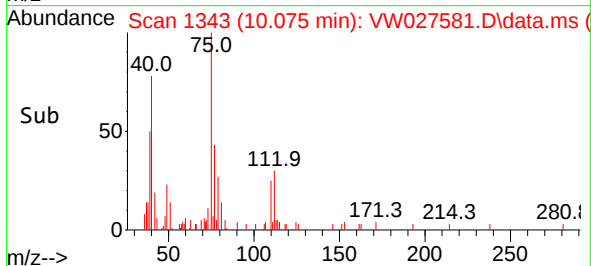
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



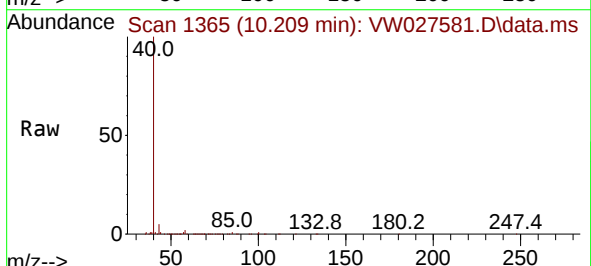
Tgt Ion: 75 Resp: 3958
Ion Ratio Lower Upper
75 100
77 41.3 21.1 39.1

Manual Integrations
APPROVED

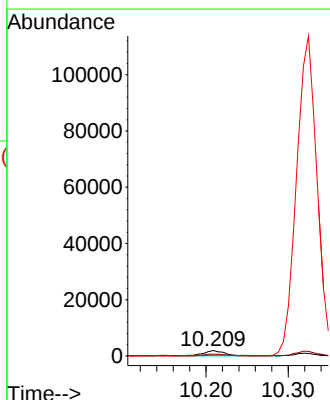
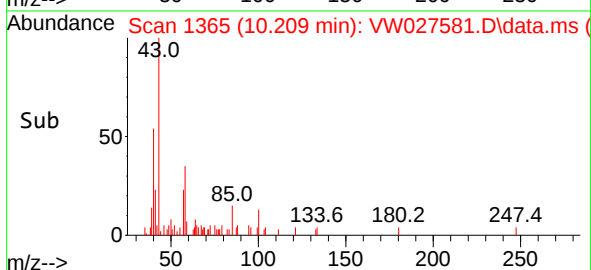
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

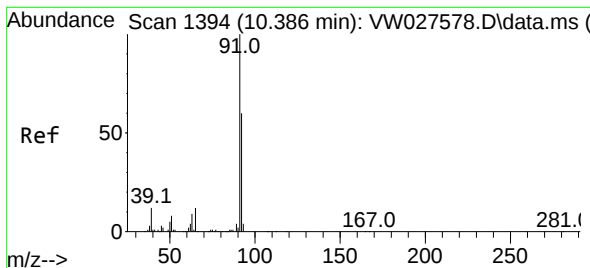


#40
4-Methyl-2-pentanone
Concen: 1.517 ug/L m
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45



Tgt Ion: 43 Resp: 3884
Ion Ratio Lower Upper
43 100
58 31.3 29.6 44.4
100 16.2 11.1 16.7





#42

Toluene

Concen: 0.766 ug/L

RT: 10.386 min Scan# 11624

Delta R.T. -0.000 min

Lab File: VW027581.D

Acq: 08 Dec 2023 09:45

Instrument :

MSVOA_W

ClientSampleId :

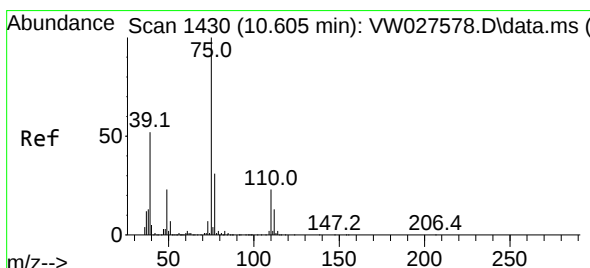
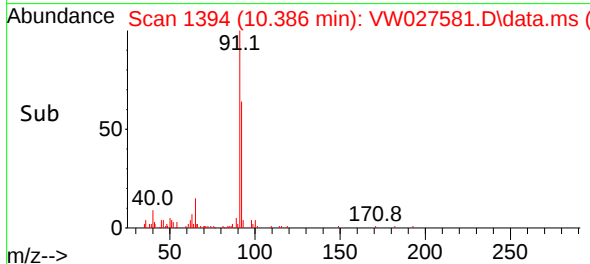
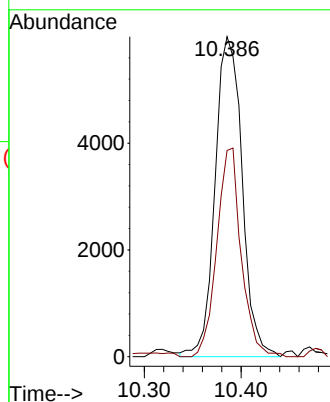
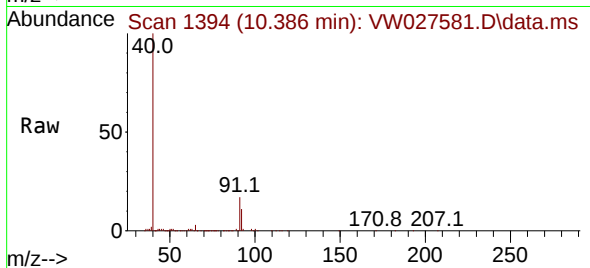
MDL-SOIL-QT4-2023-07

Tgt Ion: 91 Resp: 11624
 Ion Ratio Lower Upper
 91 100
 92 64.4 41.4 76.8

Manual Integrations

APPROVED

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



#44

trans-1,3-Dichloropropene

Concen: 0.799 ug/L m

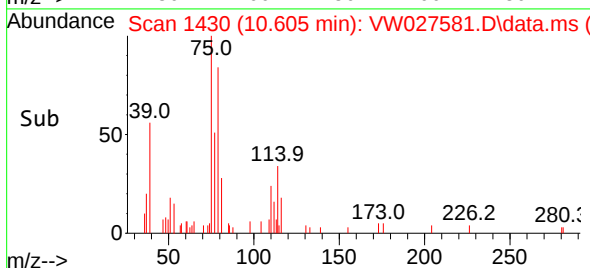
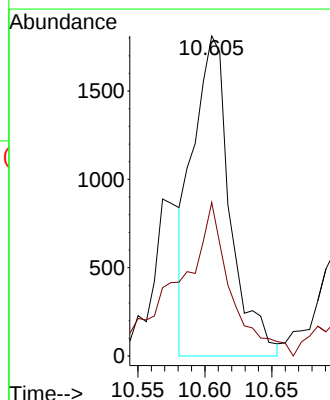
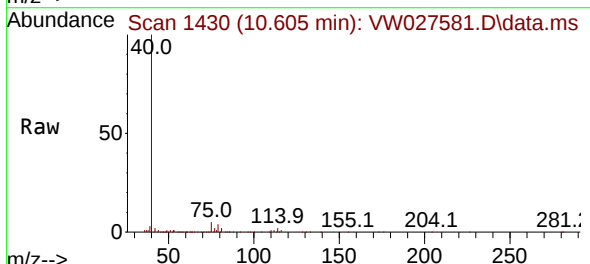
RT: 10.605 min Scan# 1430

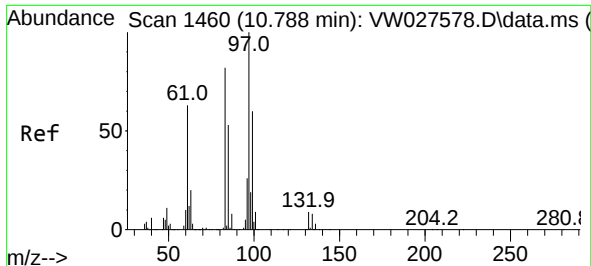
Delta R.T. -0.000 min

Lab File: VW027581.D

Acq: 08 Dec 2023 09:45

Tgt Ion: 75 Resp: 3523
 Ion Ratio Lower Upper
 75 100
 77 48.0 23.7 44.1#





#45

1,1,2-Trichloroethane

Concen: 0.712 ug/L

RT: 10.782 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VW027581.D

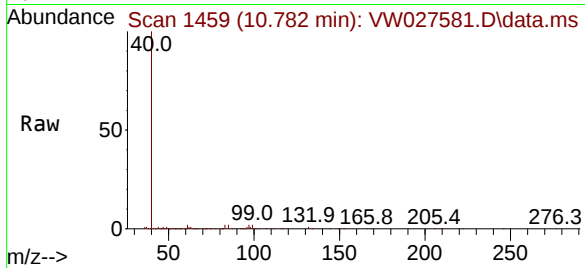
Acq: 08 Dec 2023 09:45

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07



Tgt Ion: 97 Resp: 187

Ion Ratio Lower Upper

97 100

99 68.2 42.8 79.4

83 90.8 59.9 111.3

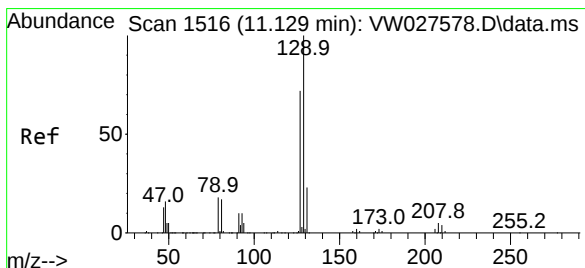
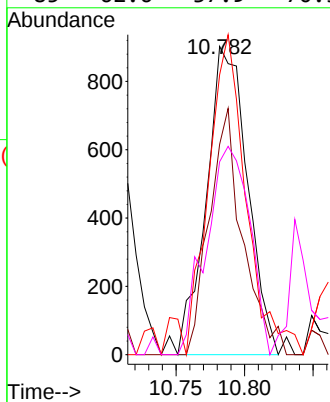
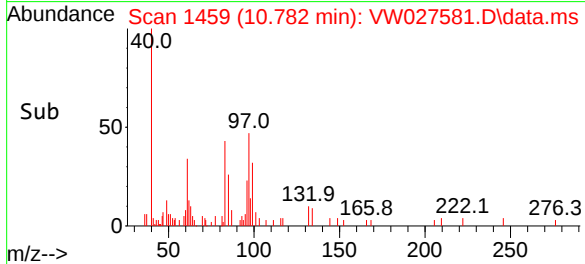
85 62.6 37.9 70.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#49

Dibromochloromethane

Concen: 0.658 ug/L

RT: 11.123 min Scan# 1515

Delta R.T. -0.006 min

Lab File: VW027581.D

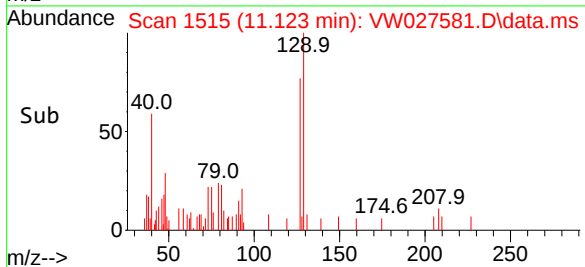
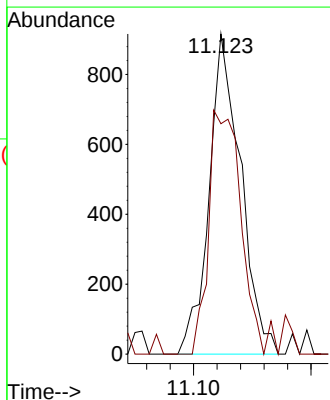
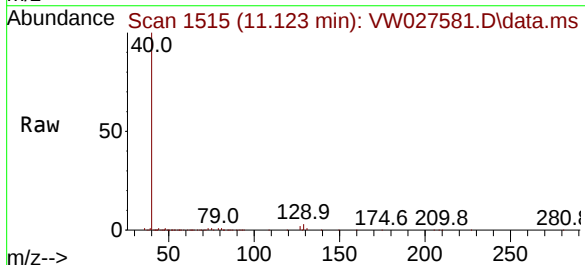
Acq: 08 Dec 2023 09:45

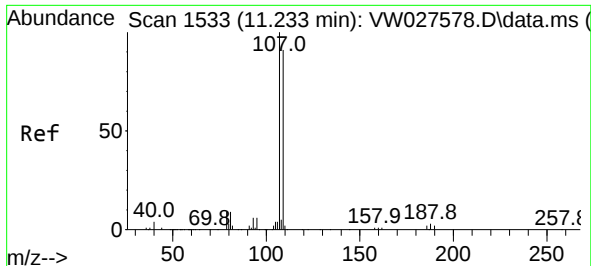
Tgt Ion:129 Resp: 1715

Ion Ratio Lower Upper

129 100

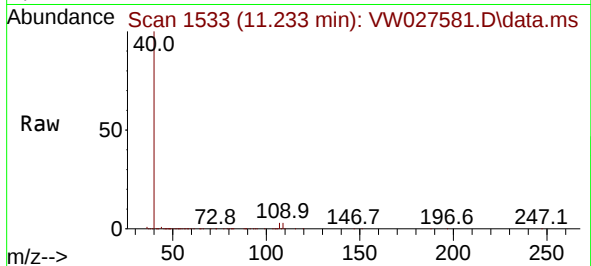
127 71.9 52.3 97.1





#50
1,2-Dibromoethane
Concen: 0.746 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

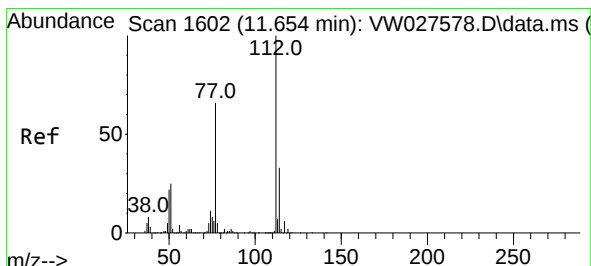
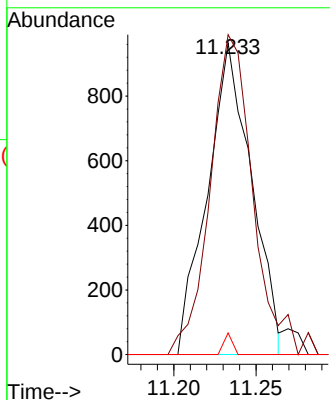
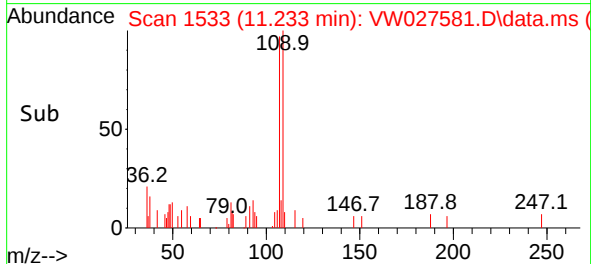
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



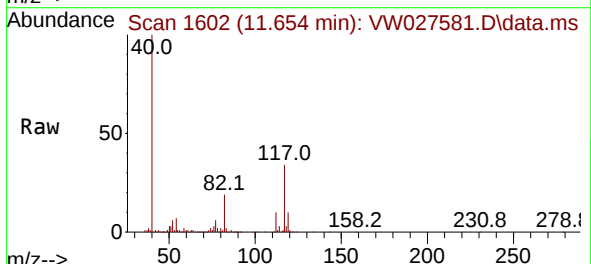
Tgt Ion:107 Resp: 1800
Ion Ratio Lower Upper
107 100
109 102.7 64.8 120.3
188 7.0 2.7 4.1

Manual Integrations
APPROVED

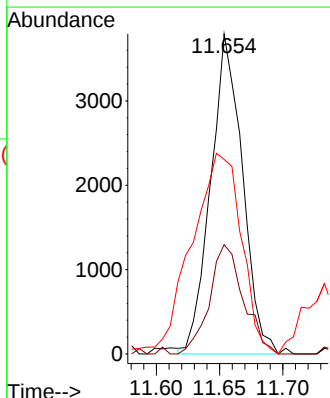
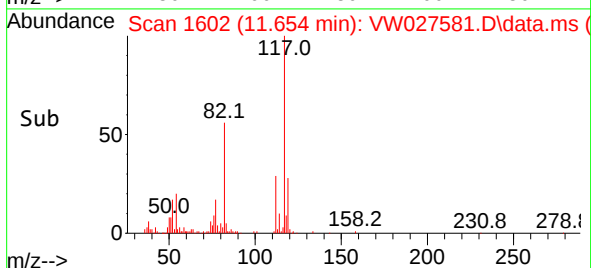
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

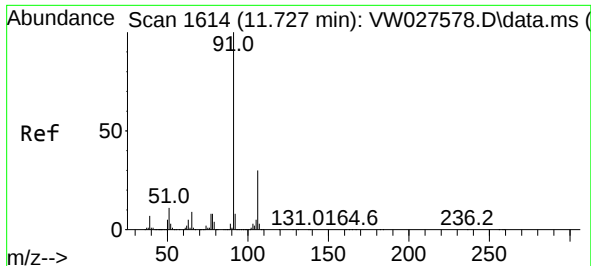


#51
Chlorobenzene
Concen: 0.723 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45



Tgt Ion:112 Resp: 6616
Ion Ratio Lower Upper
112 100
114 34.1 21.5 39.9
77 60.8 50.6 76.0





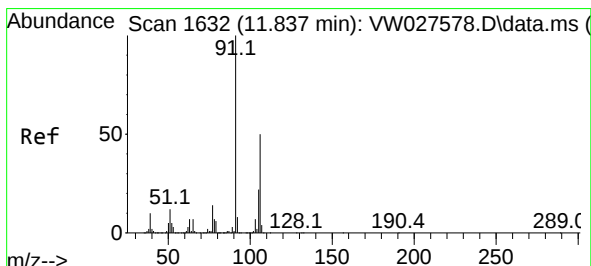
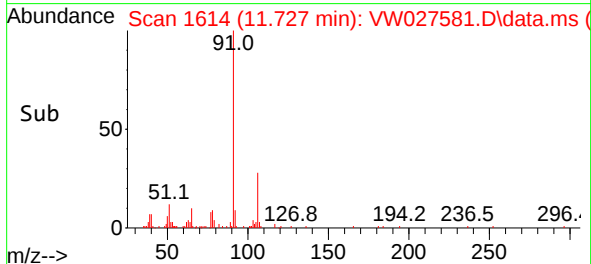
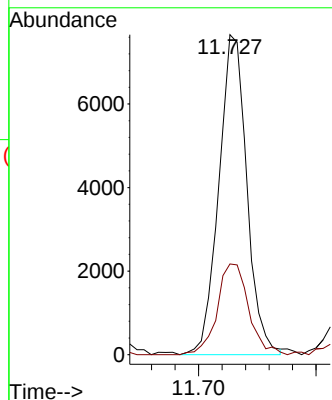
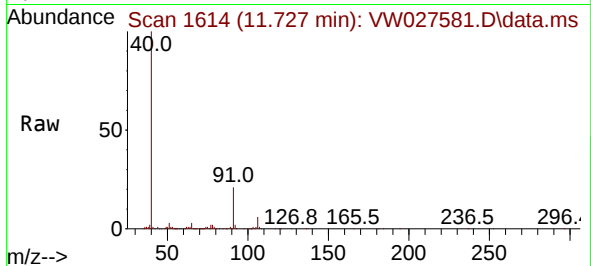
#52
Ethylbenzene
Concen: 0.736 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

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

Tgt Ion: 91 Resp: 1268
Ion Ratio Lower Upper
91 100
106 28.3 19.5 36.1

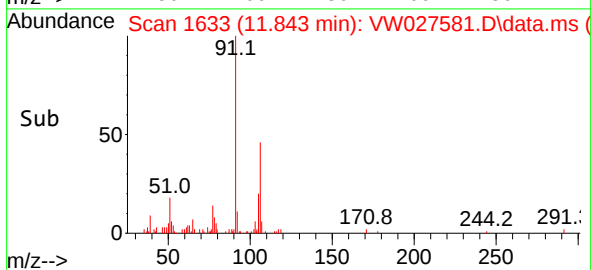
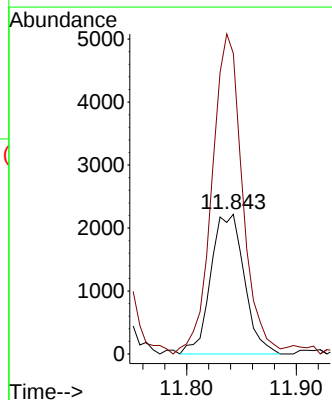
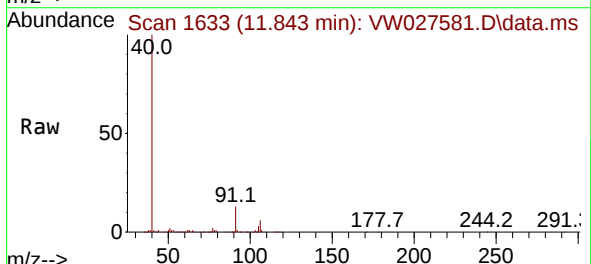
Manual Integrations
APPROVED

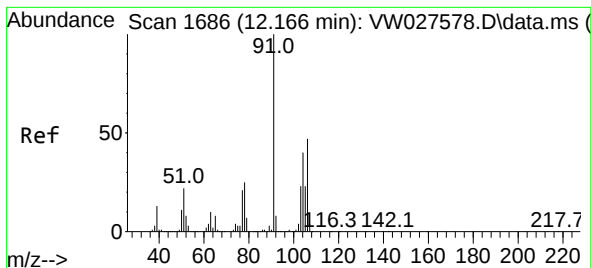
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#53
m,p-Xylene
Concen: 0.742 ug/L
RT: 11.843 min Scan# 1633
Delta R.T. 0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

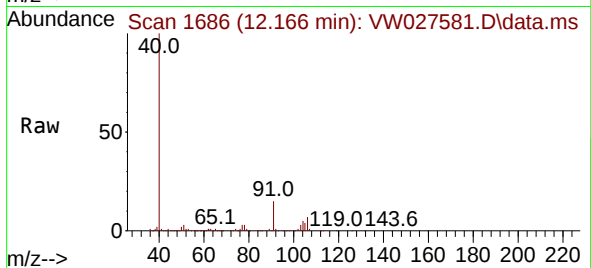
Tgt Ion:106 Resp: 4714
Ion Ratio Lower Upper
106 100
91 215.1 142.1 263.9





#54
o-Xylene
Concen: 0.697 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

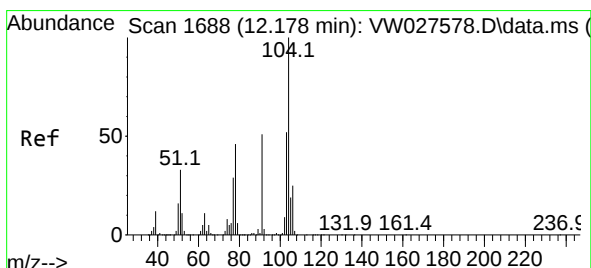
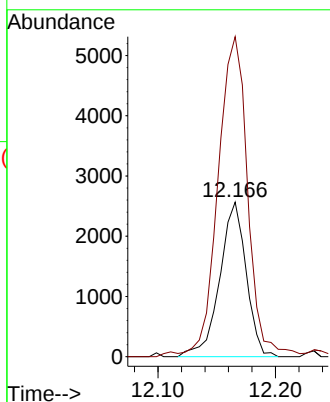
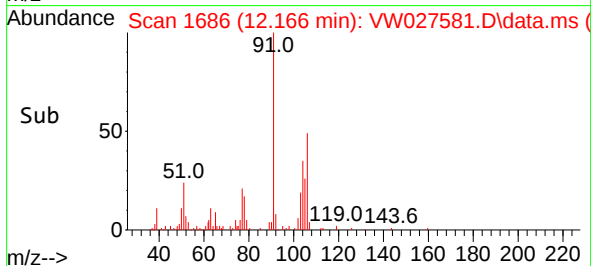
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



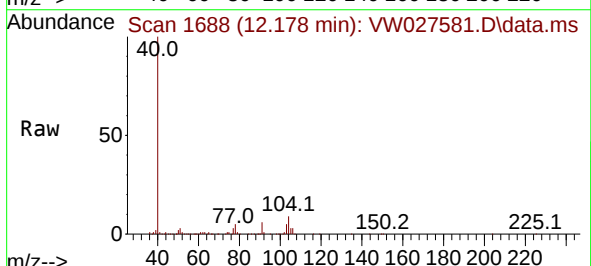
Tgt Ion:106 Resp: 402
Ion Ratio Lower Upper
106 100
91 207.1 158.8 295.0

Manual Integrations
APPROVED

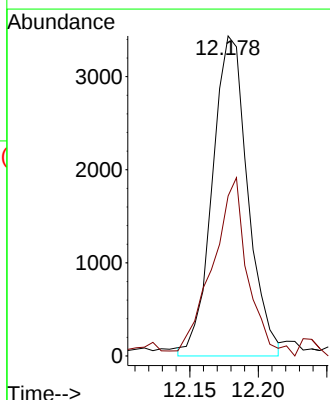
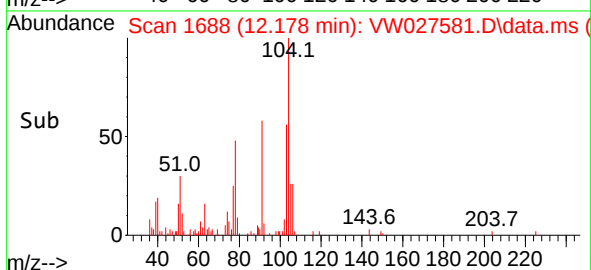
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

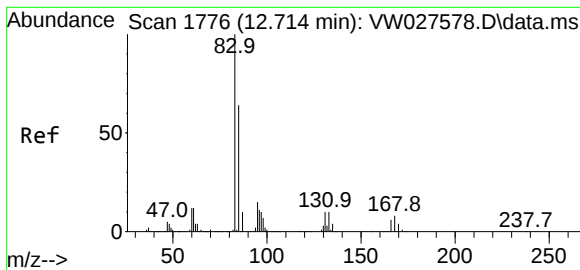


#55
Styrene
Concen: 0.627 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45



Tgt Ion:104 Resp: 6176
Ion Ratio Lower Upper
104 100
78 50.0 33.9 62.9





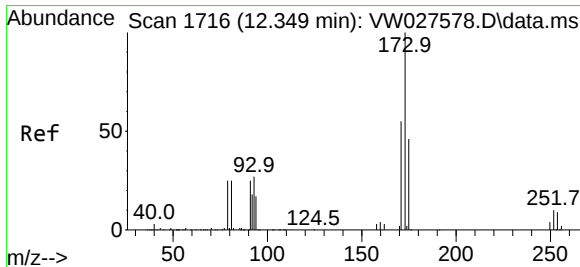
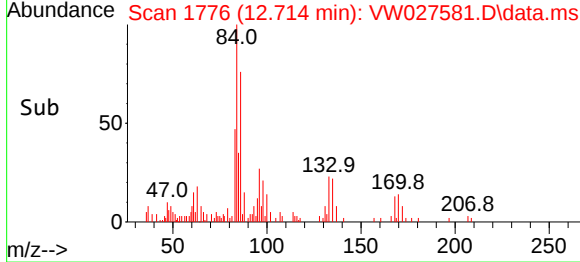
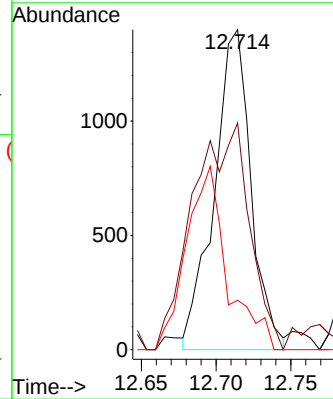
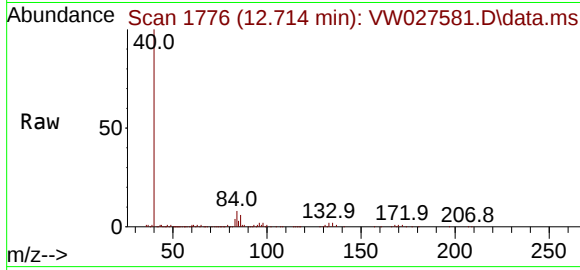
#57
 1,1,2,2-Tetrachloroethane
 Concen: 0.697 ug/L
 RT: 12.714 min Scan# 1776
 Delta R.T. -0.000 min
 Lab File: VW027581.D
 Acq: 08 Dec 2023 09:45

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

Tgt Ion:	83	Resp:	239
Ion Ratio	Lower	Upper	
83	100		
85	70.9	41.9	77.7
131	15.4	7.0	10.6

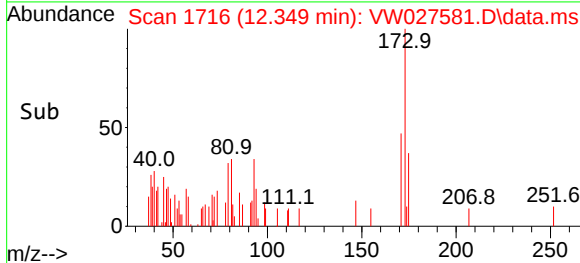
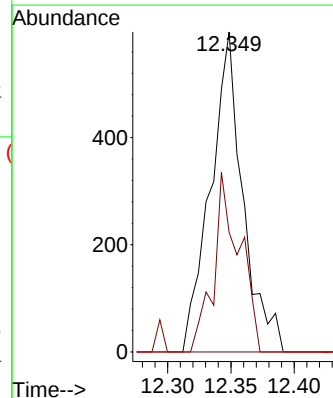
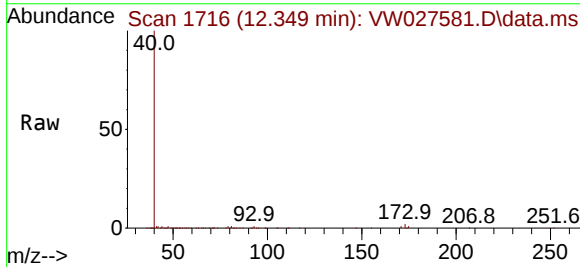
Manual Integrations
 APPROVED

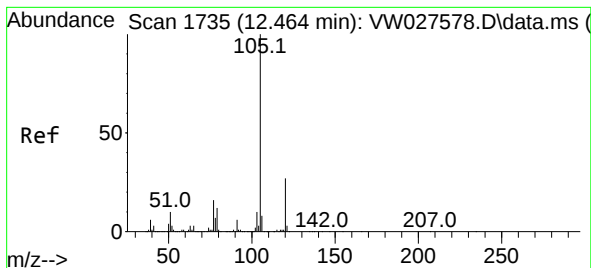
Reviewed By :Semsettin Yesilyurt 12/11/2023
 Supervised By :Mahesh Dadoda 12/11/2023



#59
 Bromoform
 Concen: 0.782 ug/L
 RT: 12.349 min Scan# 1716
 Delta R.T. -0.000 min
 Lab File: VW027581.D
 Acq: 08 Dec 2023 09:45

Tgt Ion:	173	Resp:	1063
Ion Ratio	Lower	Upper	
173	100		
175	16.5	39.4	59.0#
254	0.0	7.8	11.8#





#60

Isopropylbenzene

Concen: 0.760 ug/L

RT: 12.458 min Scan# 1735

Delta R.T. -0.006 min

Lab File: VW027581.D

Acq: 08 Dec 2023 09:45

Instrument :

MSVOA_W

ClientSampleId :

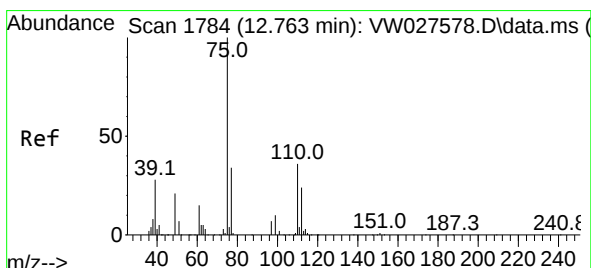
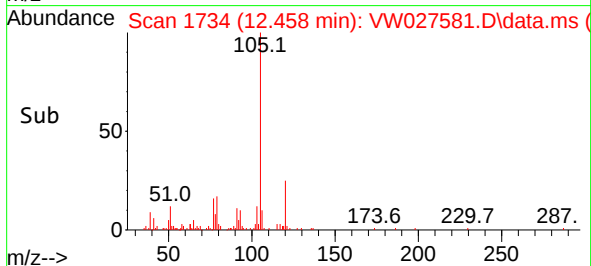
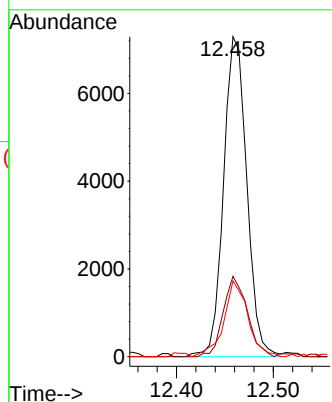
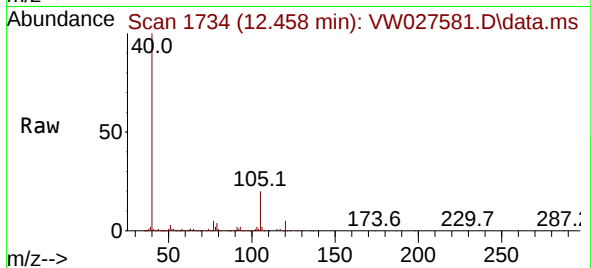
MDL-SOIL-QT4-2023-07

Tgt Ion:	105	Resp:	1216
Ion Ratio	Lower	Upper	
105	100		
120	26.0	20.3	30.5
77	24.5	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: 0.761 ug/L

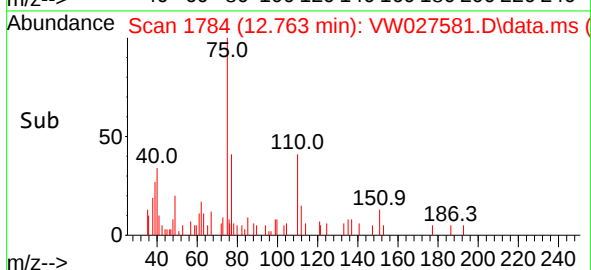
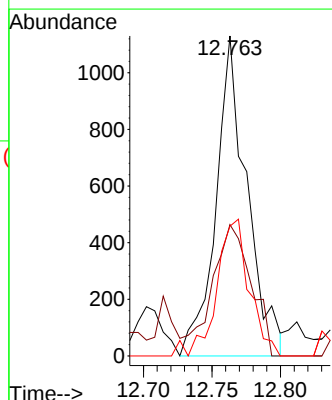
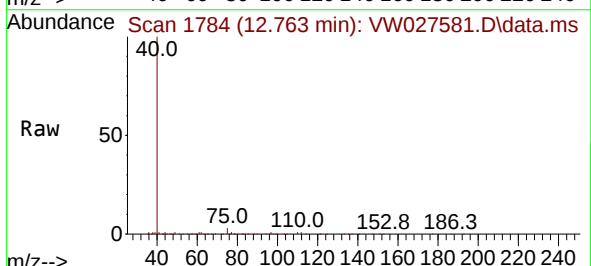
RT: 12.763 min Scan# 1784

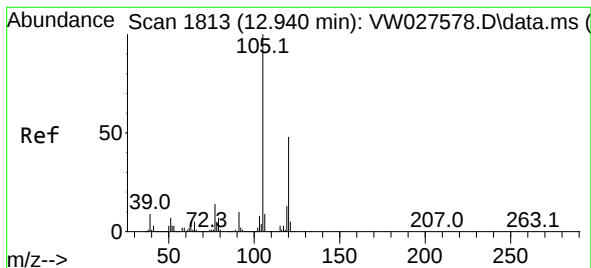
Delta R.T. -0.000 min

Lab File: VW027581.D

Acq: 08 Dec 2023 09:45

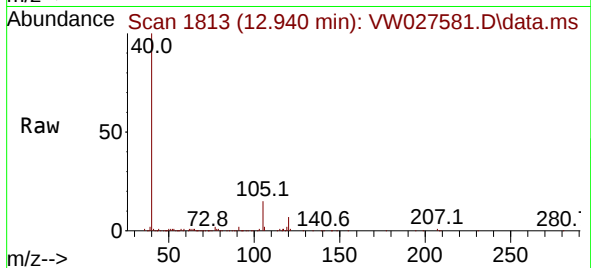
Tgt Ion:	75	Resp:	1782
Ion Ratio	Lower	Upper	
75	100		
77	51.8	26.6	39.8
110	43.8	30.2	45.4





#62
1,3,5-Trimethylbenzene
Concen: 0.704 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

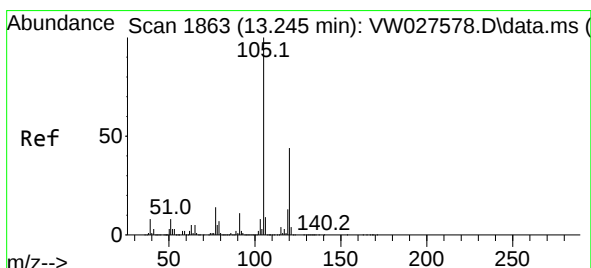
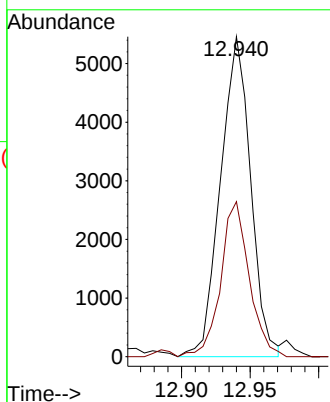
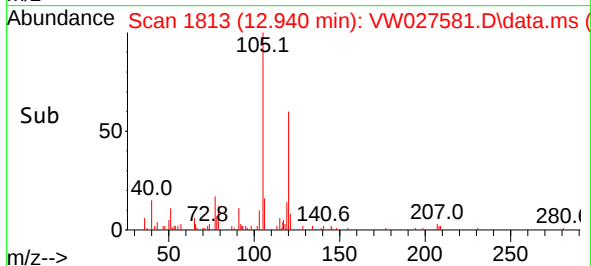
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-07



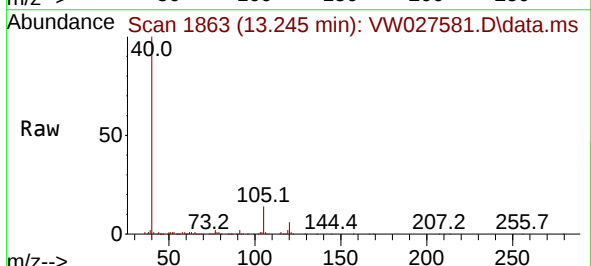
Tgt Ion:105 Resp: 8340
Ion Ratio Lower Upper
105 100
120 45.8 38.7 58.1

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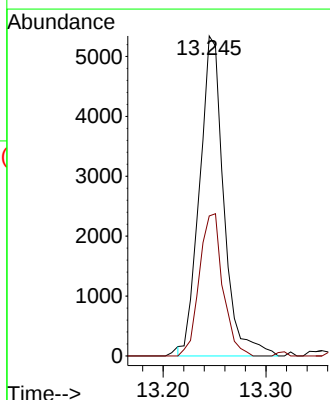
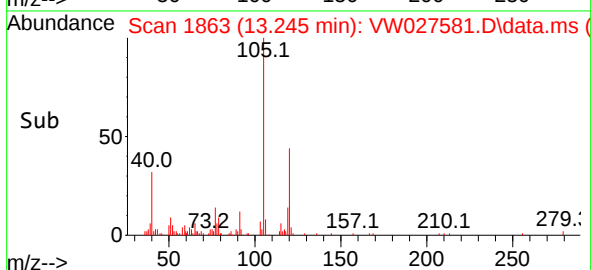
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

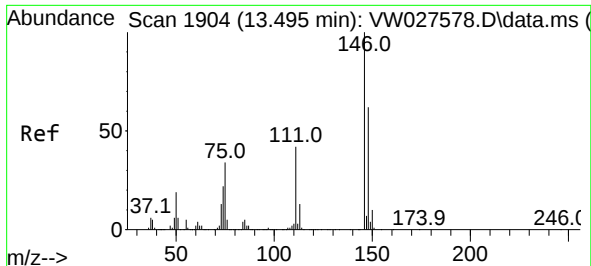


#63
1,2,4-Trimethylbenzene
Concen: 0.740 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45



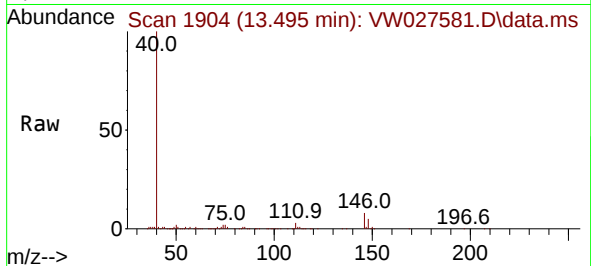
Tgt Ion:105 Resp: 8732
Ion Ratio Lower Upper
105 100
120 43.2 36.9 55.3





#64
1,3-Dichlorobenzene
Concen: 0.736 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

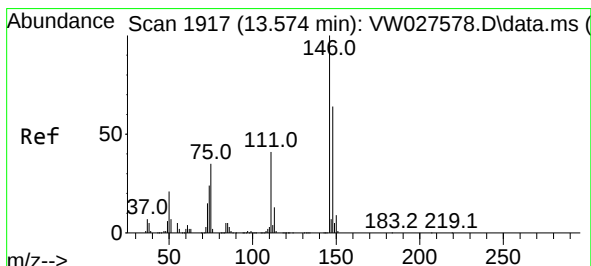
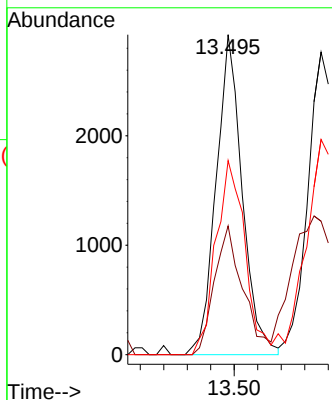
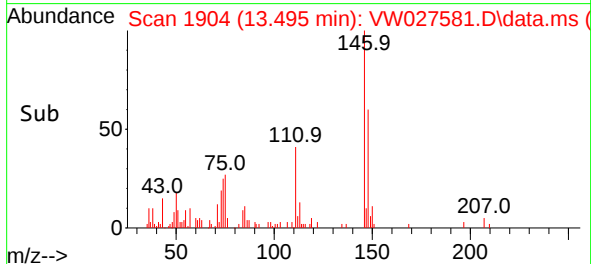
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



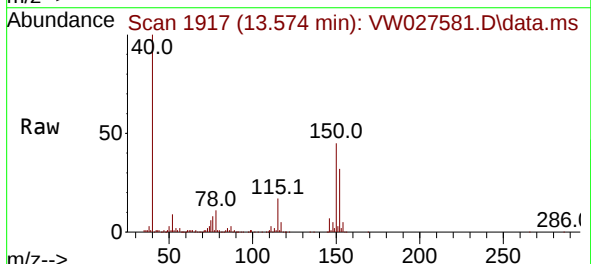
Tgt Ion:146 Resp: 451
Ion Ratio Lower Upper
146 100
111 40.3 29.5 54.7
148 60.6 42.8 79.6

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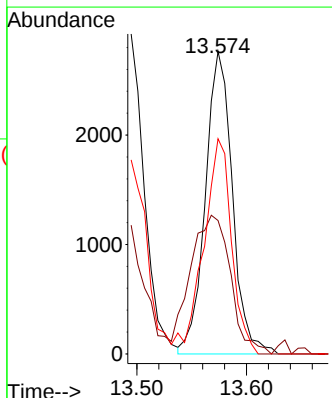
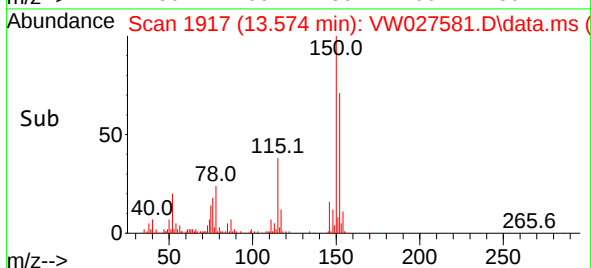
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023

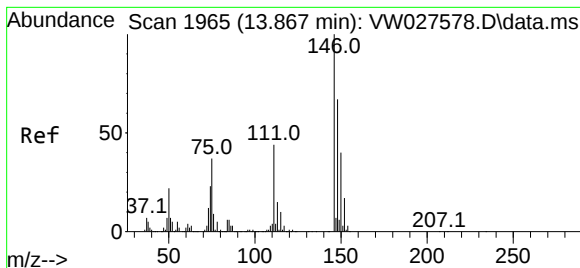


#65
1,4-Dichlorobenzene
Concen: 0.774 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45



Tgt Ion:146 Resp: 4739
Ion Ratio Lower Upper
146 100
111 44.1 28.9 53.7
148 71.1 44.9 83.5





#67

1,2-Dichlorobenzene

Concen: 0.772 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. -0.000 min

Lab File: VW027581.D

Acq: 08 Dec 2023 09:45

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-07

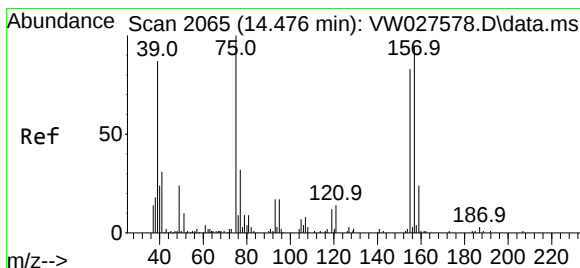
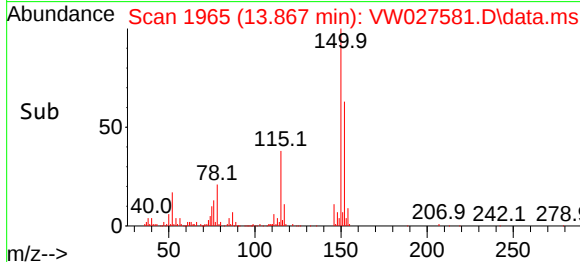
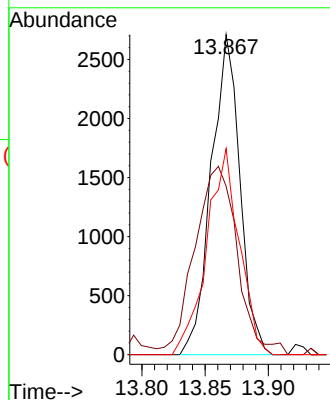
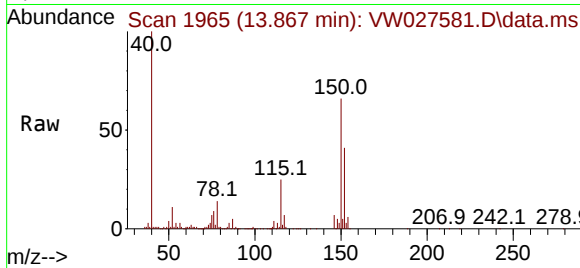
Tgt Ion:	146	Resp:	426
Ion Ratio	Lower	Upper	
146	100		
111	52.7	33.9	50.9
148	64.4	49.5	74.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/11/2023

Supervised By :Mahesh Dadoda 12/11/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 0.957 ug/L m

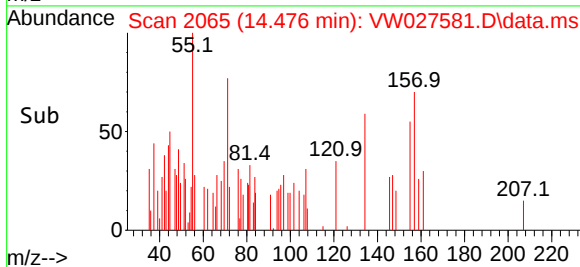
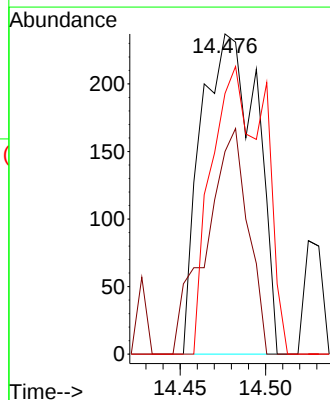
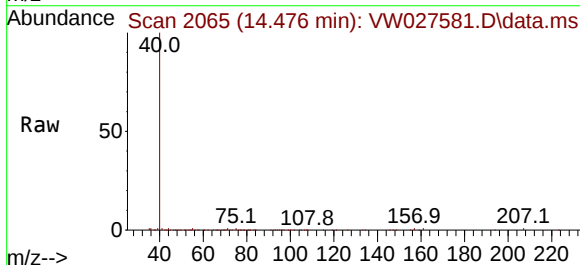
RT: 14.476 min Scan# 2065

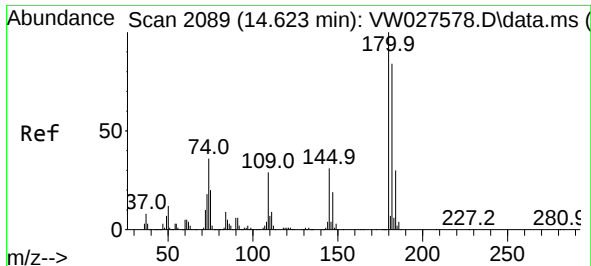
Delta R.T. -0.000 min

Lab File: VW027581.D

Acq: 08 Dec 2023 09:45

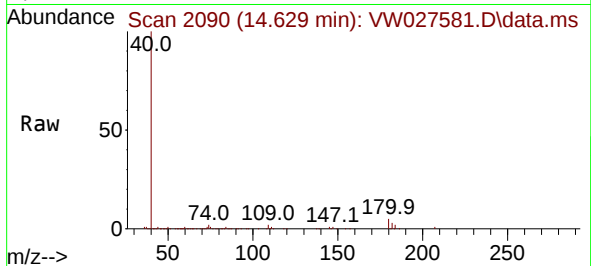
Tgt Ion:	75	Resp:	539
Ion Ratio	Lower	Upper	
75	100		
155	63.3	65.8	98.8
157	81.4	63.0	94.6





#69
1,3,5-Trichlorobenzene
Concen: 0.713 ug/L
RT: 14.629 min Scan# 2089
Delta R.T. 0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

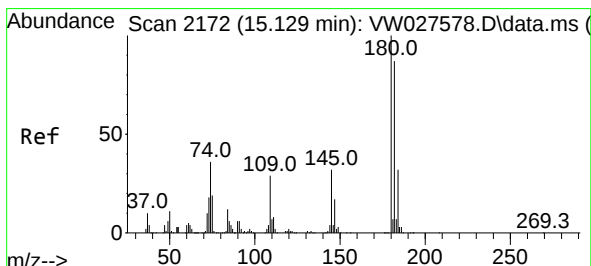
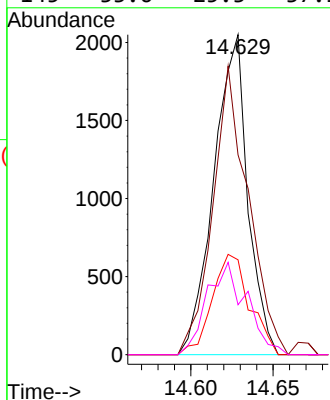
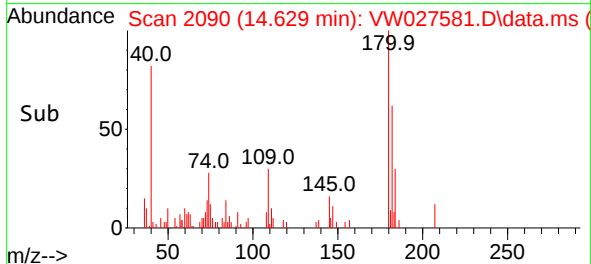
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-07



Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	73.2	109.8
184	34.7	25.4	38.2
145	33.6	25.3	37.9

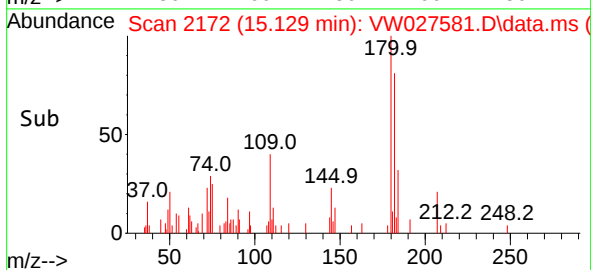
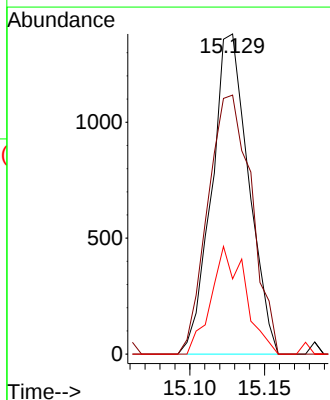
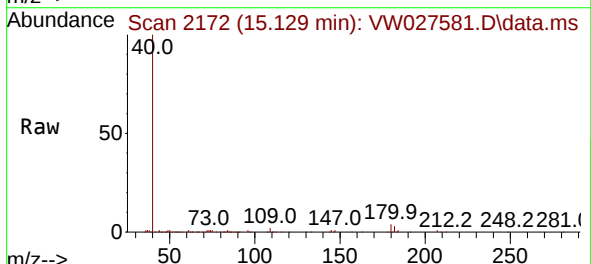
Manual Integrations
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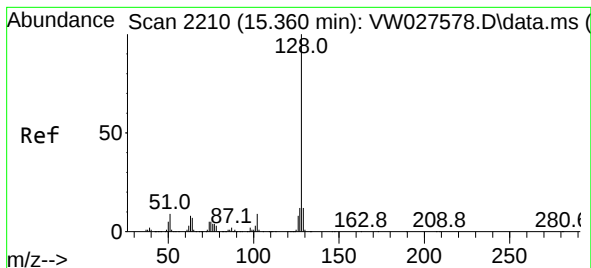
Reviewed By :Semsettin Yesilyurt 12/11/2023
Supervised By :Mahesh Dadoda 12/11/2023



#70
1,2,4-trichlorobenzene
Concen: 0.739 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

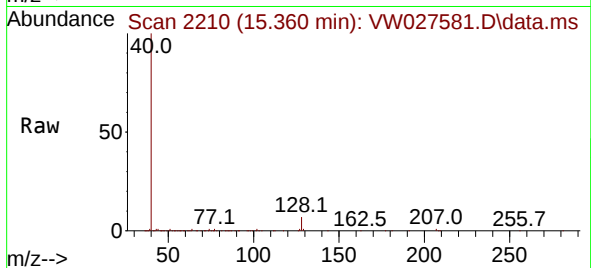
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	78.7	118.1
145	31.2	26.8	40.2





#71
Naphthalene
Concen: 0.707 ug/L
RT: 15.360 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45

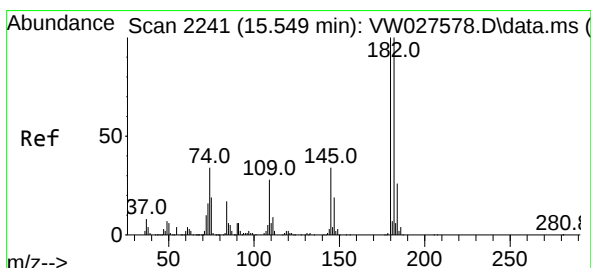
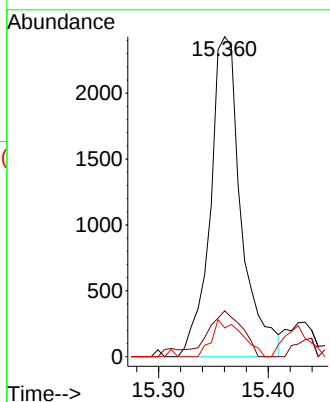
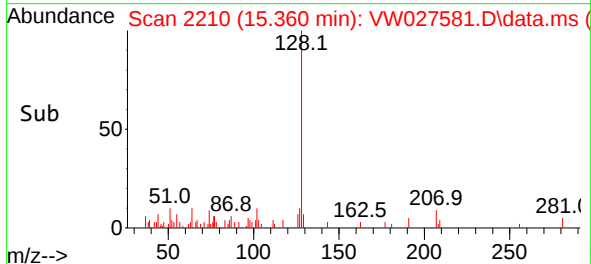
Instrument :
MSVOA_W
ClientSampleId :
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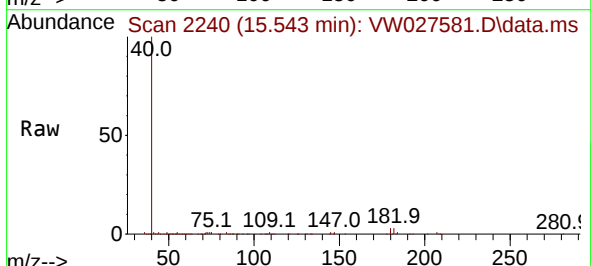
Tgt Ion:128 Resp: 476
Ion Ratio Lower Upper
128 100
127 15.1 10.3 15.5
129 11.0 8.6 12.8

Manual Integrations
APPROVED

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



#72
1,2,3-Trichlorobenzene
Concen: 0.731 ug/L
RT: 15.543 min Scan# 2240
Delta R.T. -0.006 min
Lab File: VW027581.D
Acq: 08 Dec 2023 09:45



Tgt Ion:180 Resp: 2006
Ion Ratio Lower Upper
180 100
182 101.9 72.4 108.6
145 42.8 27.4 41.0#

