

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100423\
 Data File : VW027218.D
 Acq On : 04 Oct 2023 14:05
 Operator : SY/MD
 Sample : 04696-04 1 PPB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

Quant Time: Oct 04 22:51:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Oct 04 22:49:04 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	549799	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	531248	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	267123	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	175762	20.347	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	81.400%
7) Chloroethane-d5	2.893	69	147978	21.675	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.680%
11) 1,1-Dichloroethene-d2	4.021	65	78628	21.908	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	87.640%
21) 2-Butanone-d5	7.075	46	94823	53.099	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.200%
24) Chloroform-d	7.648	84	364132	22.630	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.520%
26) 1,2-Dichloroethane-d4	8.307	65	189965	24.634	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.520%
32) Benzene-d6	8.276	84	741303	22.769	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.080%
36) 1,2-Dichloropropane-d6	9.270	67	226127	23.199	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	92.800%
41) Toluene-d8	10.325	98	643969	22.414	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.640%
43) trans-1,3-Dichloroprop...	10.581	79	90588	23.682	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	94.720%
47) 2-Hexanone-d5	10.922	63	78321	52.526	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.060%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	189826	25.447	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.800%
66) 1,2-Dichlorobenzene-d4	13.848	152	221574	24.739	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.960%
Target Compounds						
2) Dichlorodifluoromethane	2.021	85	5769m	0.808	ug/L	
6) Bromomethane	2.783	94	5339	0.770	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	8970m	1.008	ug/L	
12) 1,1-Dichloroethene	4.039	96	7836	0.921	ug/L #	1
13) Acetone	4.131	43	6403	2.902	ug/L	59
14) Carbon disulfide	4.387	76	18608	0.652	ug/L	96
15) Methyl Acetate	4.679	43	3521m	0.952	ug/L	
16) Methylene chloride	4.917	84	60765	5.646	ug/L	92
17) trans-1,2-Dichloroethene	5.423	96	6390m	0.698	ug/L	
18) Methyl tert-butyl Ether	5.423	73	8774m	0.766	ug/L	
19) 1,1-Dichloroethane	6.222	63	11693m	0.685	ug/L	
20) cis-1,2-Dichloroethene	7.185	96	6947m	0.712	ug/L	
22) 2-Butanone	7.142	43	9173m	3.361	ug/L	
23) Bromochloromethane	7.514	128	3409	0.766	ug/L	85
25) Chloroform	7.679	83	11817	0.710	ug/L	96
27) 1,2-Dichloroethane	8.404	62	7786	0.764	ug/L #	87
29) Cyclohexane	7.959	56	8709	0.616	ug/L #	94
30) 1,1,1-Trichloroethane	7.880	97	10111	0.766	ug/L	97
31) Carbon tetrachloride	8.063	117	9597	0.769	ug/L	96

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 Supervised By :Mahesh Dadoda 10/05/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) Benzene	8.325	78	27639	0.736	ug/L	100
34) Trichloroethene	9.087	95	6981	0.712	ug/L	89
35) Methylcyclohexane	9.331	83	10746	0.652	ug/L	95
37) 1,2-Dichloropropane	9.368	63	7000	0.724	ug/L	98
38) Bromodichloromethane	9.648	83	9103	0.783	ug/L #	89
39) cis-1,3-Dichloropropene	10.075	75	10000	0.701	ug/L	89
40) 4-Methyl-2-pentanone	10.209	43	7095	1.512	ug/L	96
42) Toluene	10.386	91	28537	0.740	ug/L	94
44) trans-1,3-Dichloropropene	10.605	75	8736m	0.748	ug/L	
45) 1,1,2-Trichloroethane	10.782	97	5656	0.808	ug/L	91
48) 2-Hexanone	10.965	43	5560	1.511	ug/L #	95
49) Dibromochloromethane	11.129	129	6322	0.833	ug/L	95
50) 1,2-Dibromoethane	11.239	107	5007	0.771	ug/L #	85
51) Chlorobenzene	11.654	112	19245	0.752	ug/L	97
52) Ethylbenzene	11.727	91	29134	0.673	ug/L	97
53) m,p-Xylene	11.837	106	10081	0.607	ug/L	96
54) o-Xylene	12.160	106	9097	0.586	ug/L	89
55) Styrene	12.178	104	15546	0.582	ug/L	87
57) 1,1,2,2-Tetrachloroethane	12.715	83	6885	0.820	ug/L #	85
59) Bromoform	12.349	173	3180	0.754	ug/L	90
60) Isopropylbenzene	12.465	105	23515	0.598	ug/L #	95
61) 1,2,3-Trichloropropane	12.763	75	4513	0.825	ug/L #	88
62) 1,3,5-Trimethylbenzene	12.940	105	19498	0.632	ug/L	94
63) 1,2,4-Trimethylbenzene	13.251	105	17600	0.582	ug/L	99
64) 1,3-Dichlorobenzene	13.495	146	13844	0.763	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	15555	0.853	ug/L	91
67) 1,2-Dichlorobenzene	13.867	146	13732	0.863	ug/L	88
68) 1,2-Dibromo-3-chloropr...	14.483	75	1082	0.924	ug/L #	81
69) 1,3,5-Trichlorobenzene	14.629	180	9968	0.853	ug/L	93
70) 1,2,4-trichlorobenzene	15.129	180	7370	0.799	ug/L	97
71) Naphthalene	15.360	128	12192	0.749	ug/L	99
72) 1,2,3-Trichlorobenzene	15.549	180	6243	0.763	ug/L	91

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

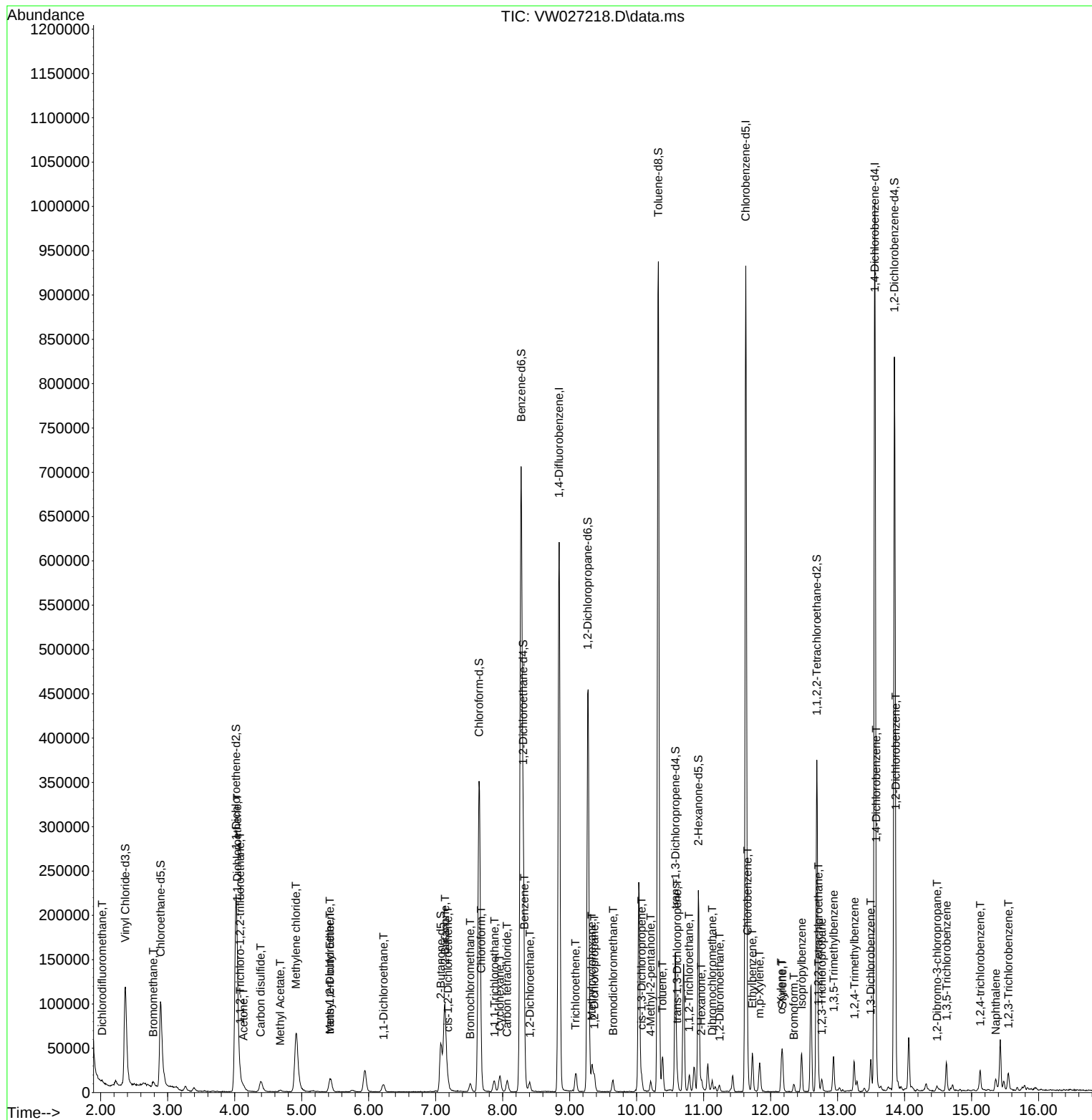
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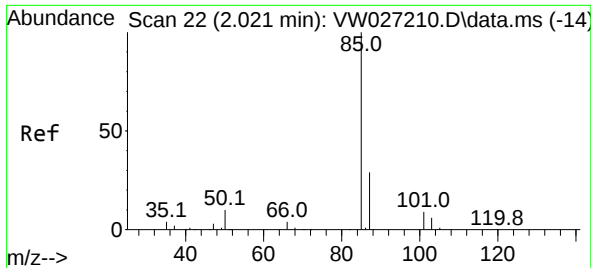
Instrument :
MSVOA_W
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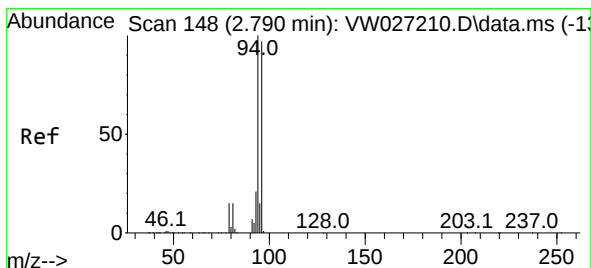
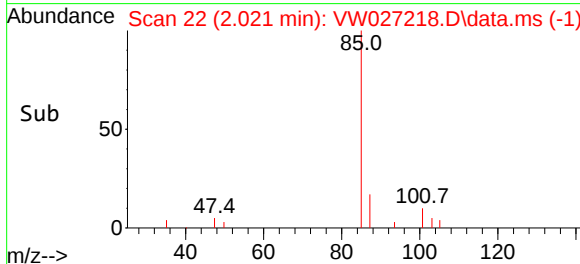
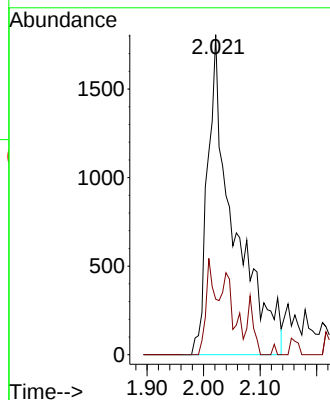
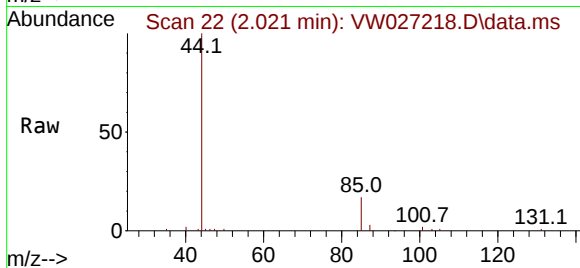
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Dichlorodifluoromethane
Concen: 0.808 ug/L m
RT: 2.021 min Scan# 21
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion: 85 Resp: 5769
Ion Ratio Lower Upper
85 100
87 11.7 22.1 33.1

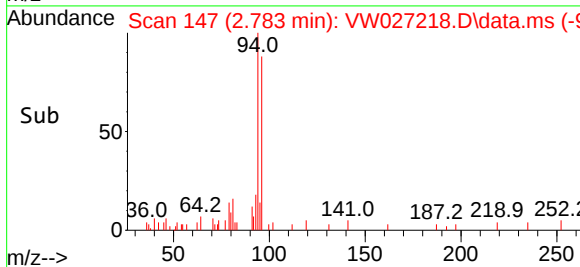
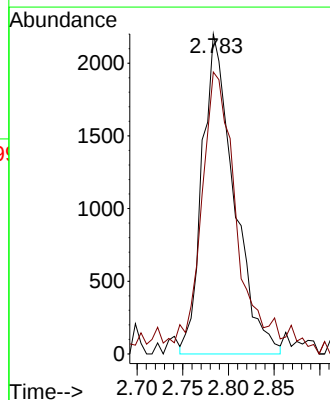
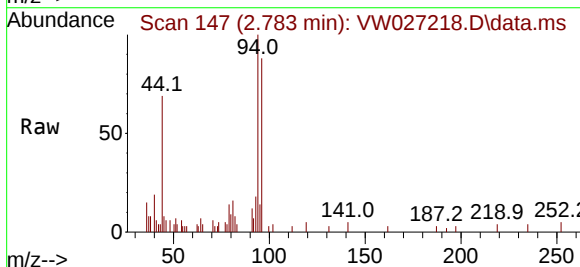
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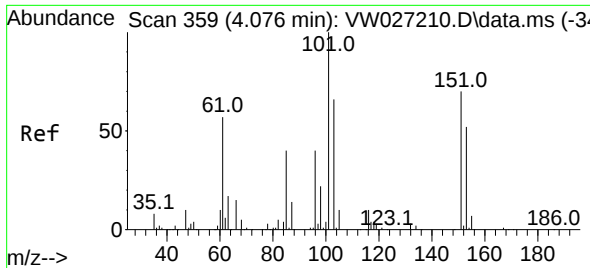
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#6
Bromomethane
Concen: 0.770 ug/L
RT: 2.783 min Scan# 147
Delta R.T. -0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion: 94 Resp: 5339
Ion Ratio Lower Upper
94 100
96 88.1 66.8 124.0





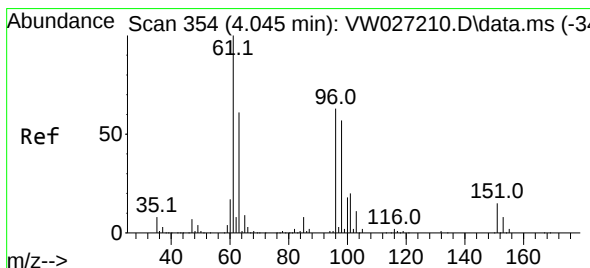
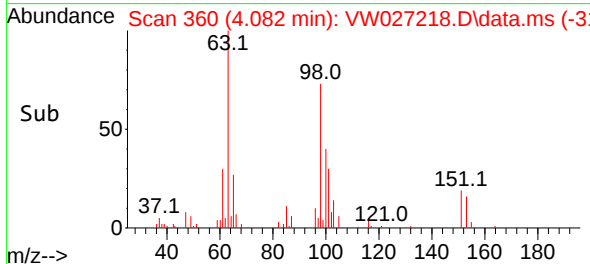
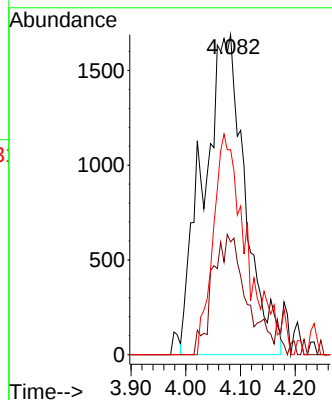
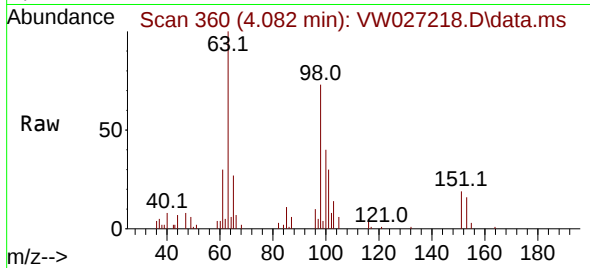
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.008 ug/L m
RT: 4.082 min Scan# 3
Delta R.T. 0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion:101 Resp: 8970
Ion Ratio Lower Upper
101 100
85 19.6 33.1 49.7
151 45.5 58.6 87.8

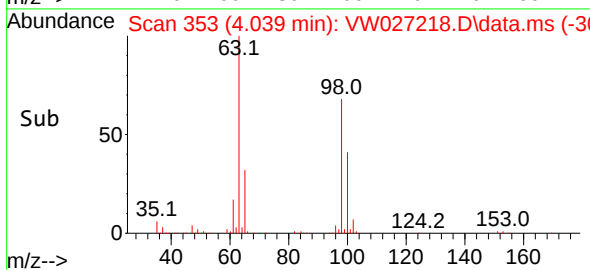
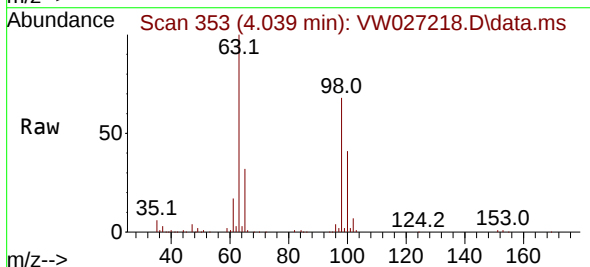
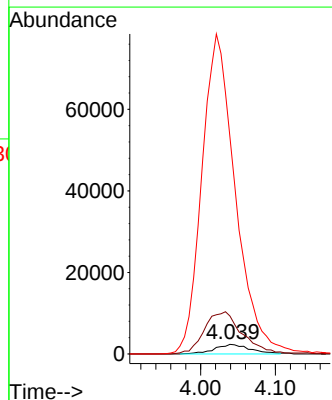
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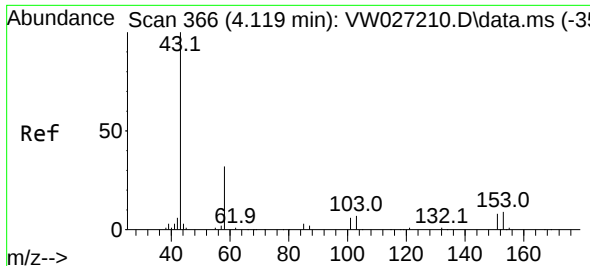
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#12
1,1-Dichloroethene
Concen: 0.921 ug/L
RT: 4.039 min Scan# 353
Delta R.T. -0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion: 96 Resp: 7836
Ion Ratio Lower Upper
96 100
61 391.5 109.8 204.0#
63 2239.3 76.9 142.7#





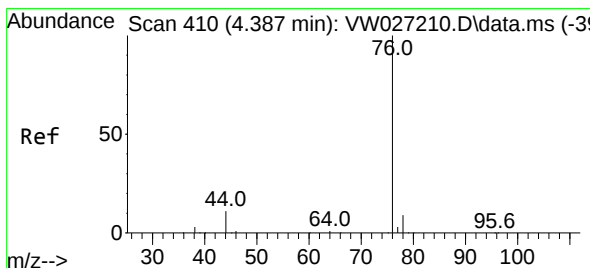
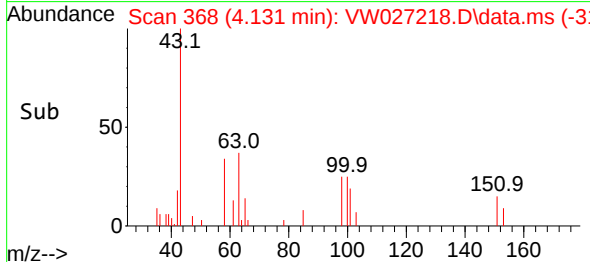
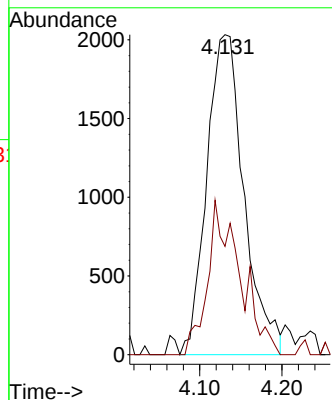
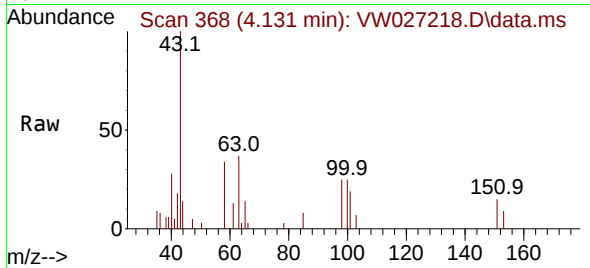
#13
Acetone
Concen: 2.902 ug/L
RT: 4.131 min Scan# 368
Delta R.T. 0.012 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
58 11.1 0.0 70.4

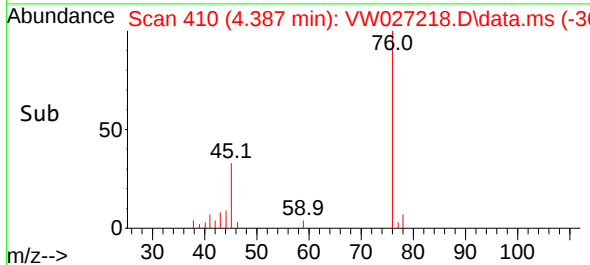
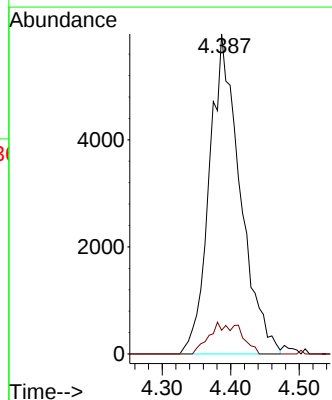
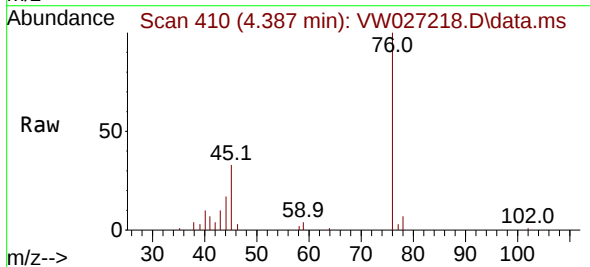
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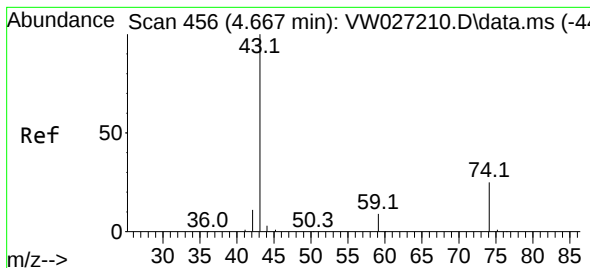
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#14
Carbon disulfide
Concen: 0.652 ug/L
RT: 4.387 min Scan# 410
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion: 76 Resp: 18608
Ion Ratio Lower Upper
76 100
78 7.4 7.0 10.6





#15

Methyl Acetate

Concen: 0.952 ug/L m

RT: 4.679 min Scan# 4

Delta R.T. 0.012 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08DL

Tgt Ion: 43 Resp: 352

Ion Ratio Lower Upper

43 100

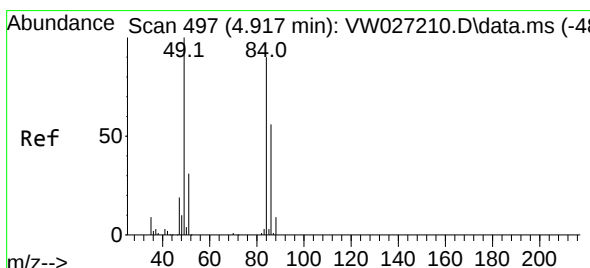
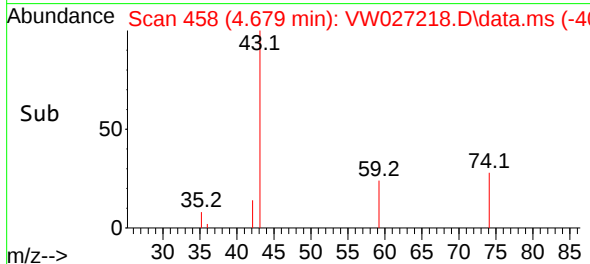
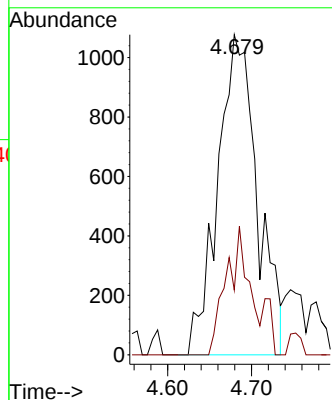
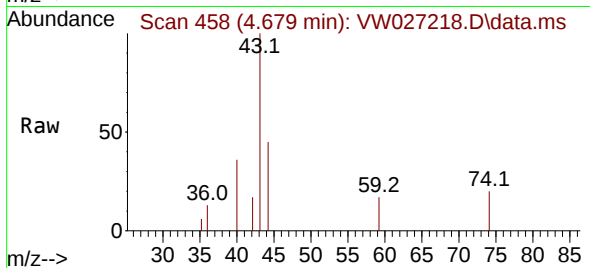
74 12.4 20.8 31.2

Manual Integrations

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Supervised By :Mahesh Dadoda 10/05/2023



#16

Methylene chloride

Concen: 5.646 ug/L

RT: 4.917 min Scan# 497

Delta R.T. -0.000 min

Lab File: VW027218.D

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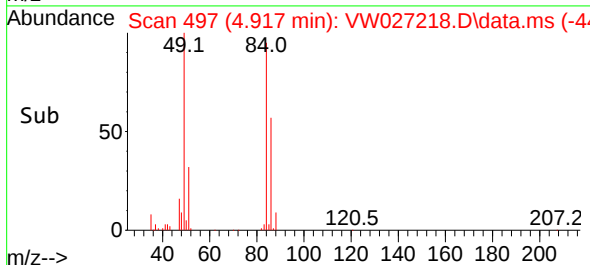
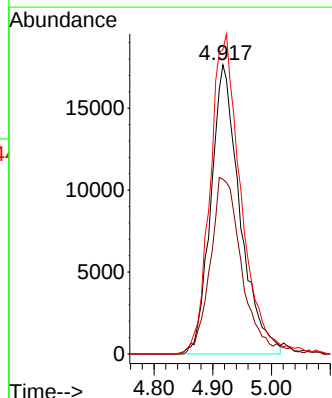
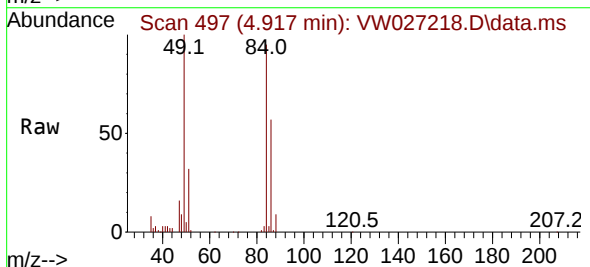
Tgt Ion: 84 Resp: 60765

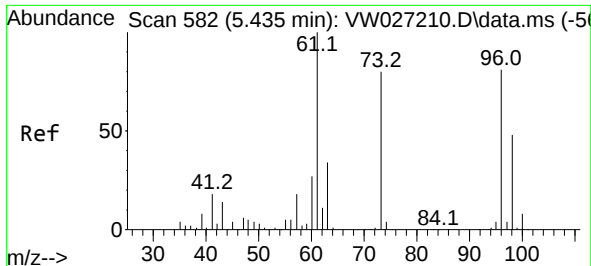
Ion Ratio Lower Upper

84 100

86 60.4 45.1 83.9

49 105.3 80.9 150.3





#17

trans-1,2-Dichloroethene

Concen: 0.698 ug/L m

RT: 5.423 min Scan# 580

Delta R.T. -0.012 min

Lab File: VW027218.D

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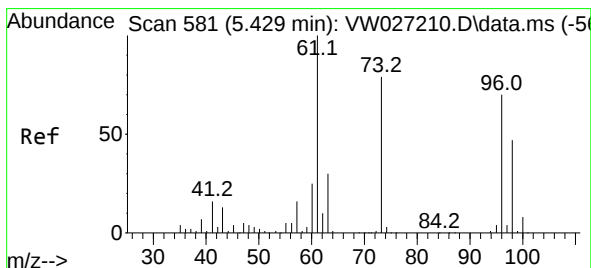
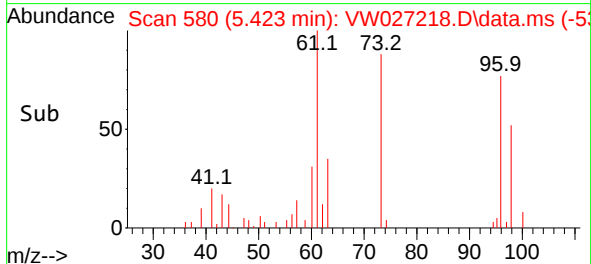
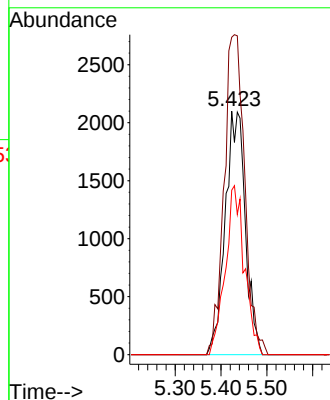
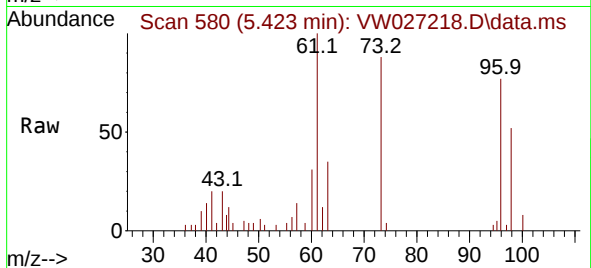
Tgt Ion: 96 Resp: 6390

Ion	Ratio	Lower	Upper
96	100		
61	130.3	93.5	173.7
98	67.5	43.3	80.5

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#18

Methyl tert-butyl Ether

Concen: 0.766 ug/L m

RT: 5.423 min Scan# 580

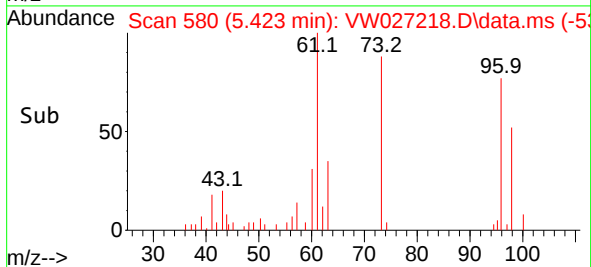
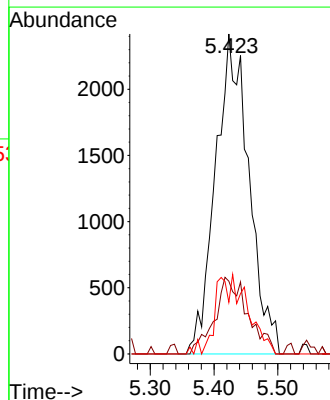
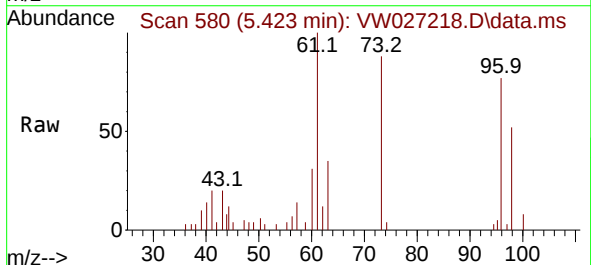
Delta R.T. -0.006 min

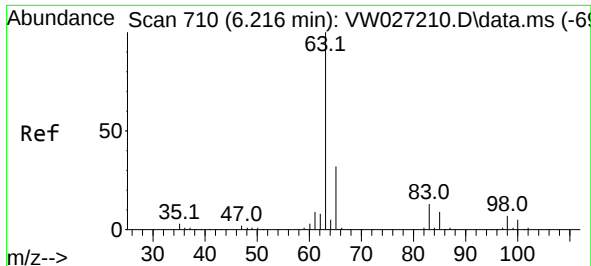
Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Tgt Ion: 73 Resp: 8774

Ion	Ratio	Lower	Upper
73	100		
43	0.0	14.2	21.2#
57	4.1	18.3	27.5#





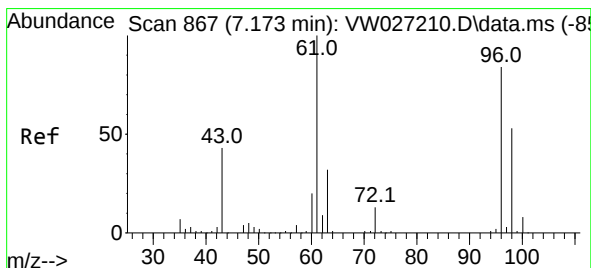
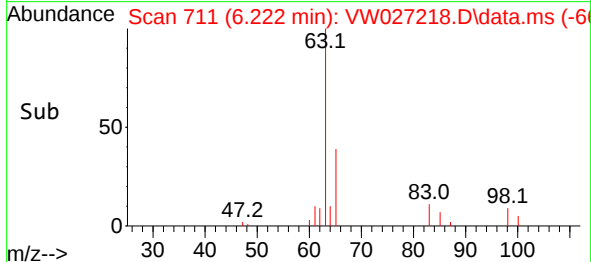
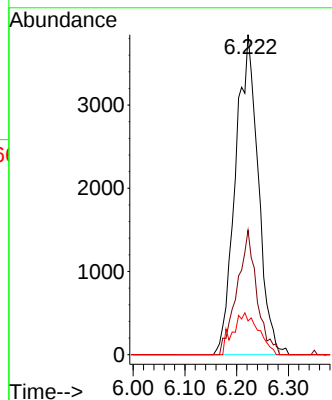
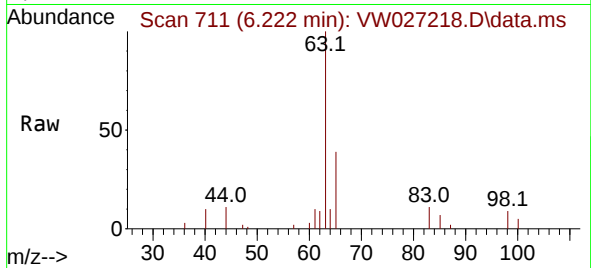
#19
1,1-Dichloroethane
Concen: 0.685 ug/L m
RT: 6.222 min Scan# 710
Delta R.T. 0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion: 63 Resp: 1169
Ion Ratio Lower Upper
63 100
65 38.9 22.5 41.9
83 10.6 9.4 17.4

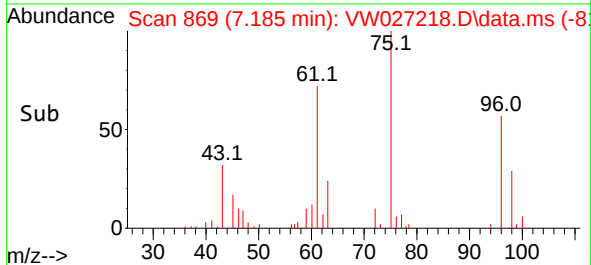
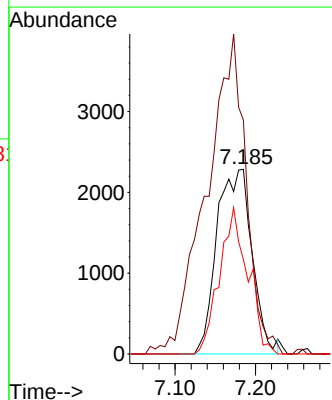
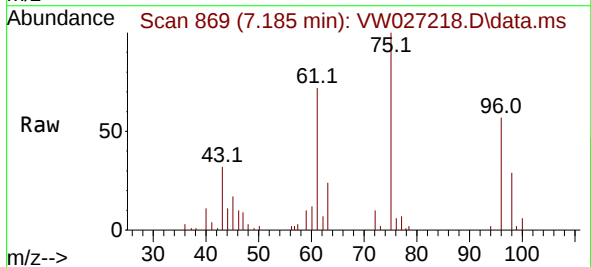
Manual Integrations
APPROVED

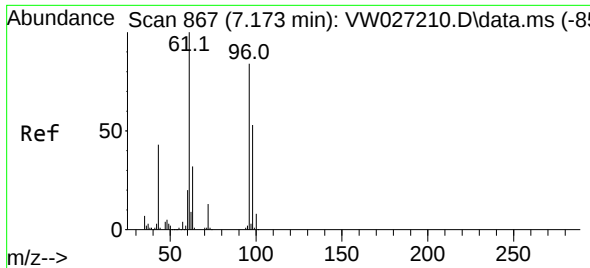
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#20
cis-1,2-Dichloroethene
Concen: 0.712 ug/L m
RT: 7.185 min Scan# 869
Delta R.T. 0.012 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion: 96 Resp: 6947
Ion Ratio Lower Upper
96 100
61 126.6 82.7 153.5
98 51.1 43.0 80.0





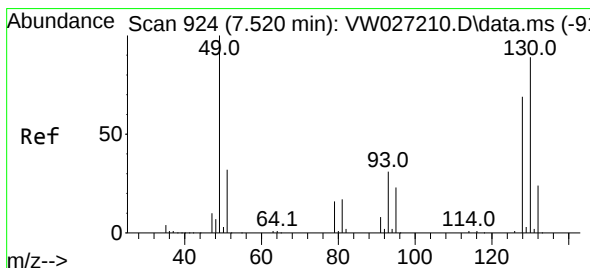
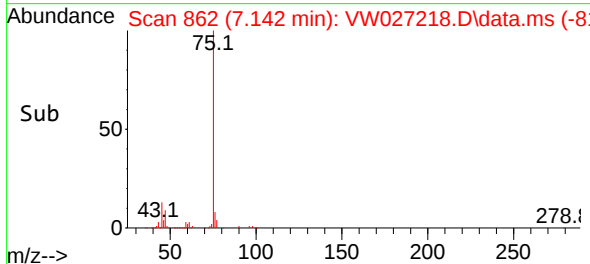
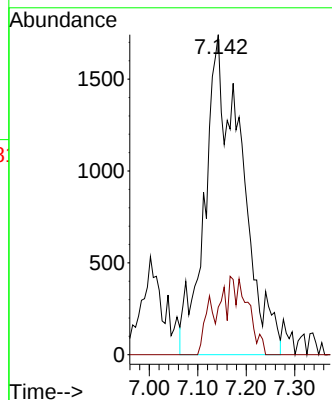
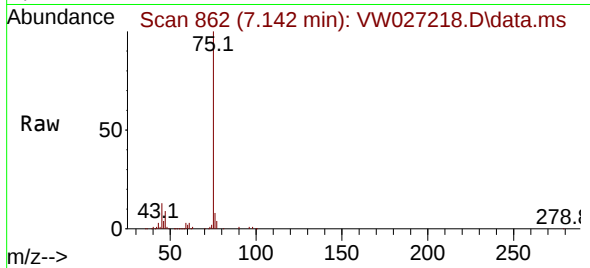
#22
2-Butanone
Concen: 3.361 ug/L m
RT: 7.142 min Scan# 862
Delta R.T. -0.031 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion: 43 Resp: 917
Ion Ratio Lower Upper
43 100
72 0.8 14.6 44.0

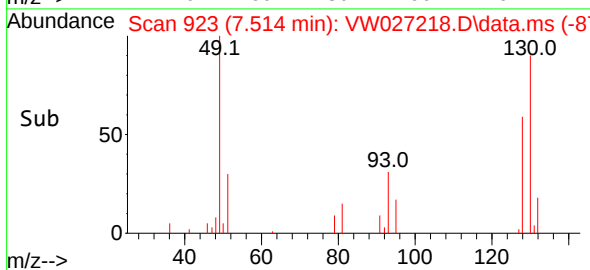
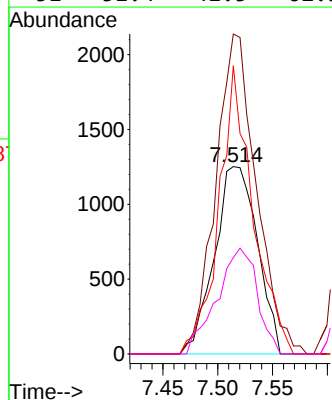
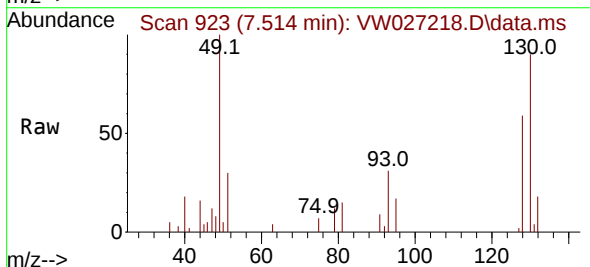
Manual Integrations
APPROVED

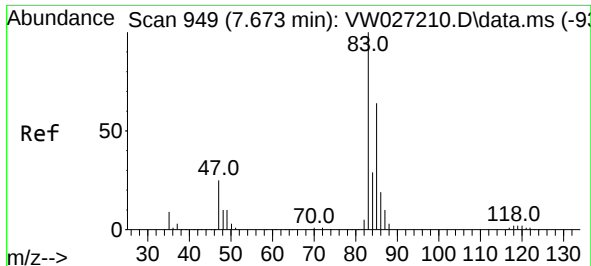
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#23
Bromochloromethane
Concen: 0.766 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

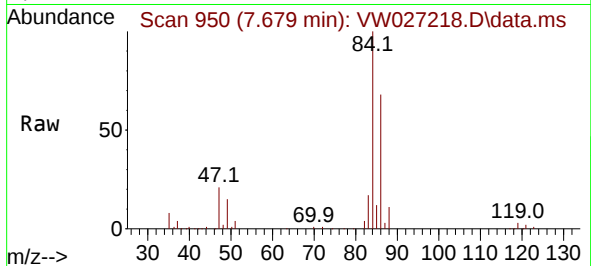
Tgt Ion:128 Resp: 3409
Ion Ratio Lower Upper
128 100
49 170.8 112.1 208.1
130 153.8 83.9 155.7
51 51.4 41.5 62.3





#25
Chloroform
Concen: 0.710 ug/L
RT: 7.679 min Scan# 949
Delta R.T. 0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

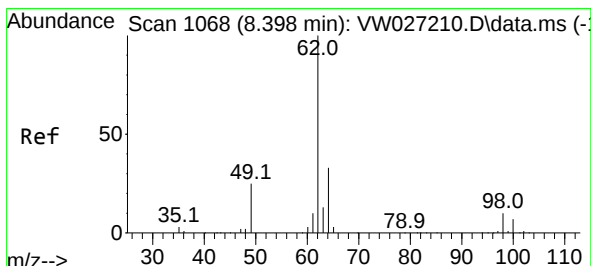
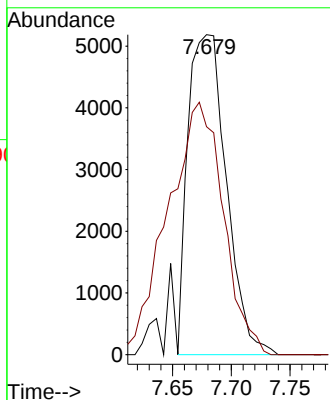
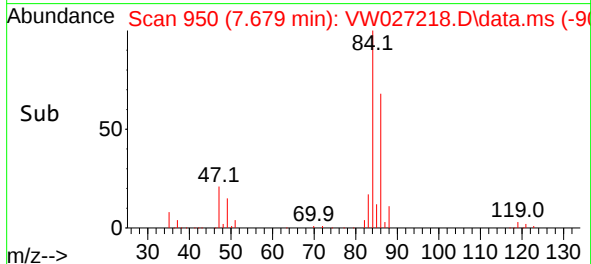
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08DL



Tgt Ion: 83 Resp: 1181
Ion Ratio Lower Upper
83 100
85 71.2 47.7 88.5

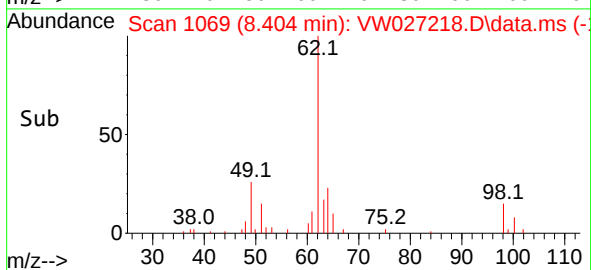
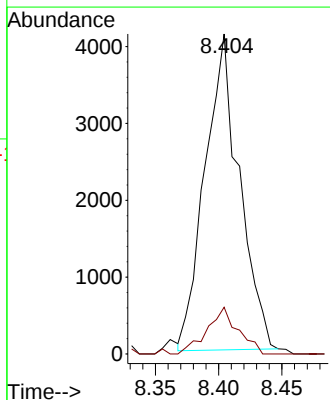
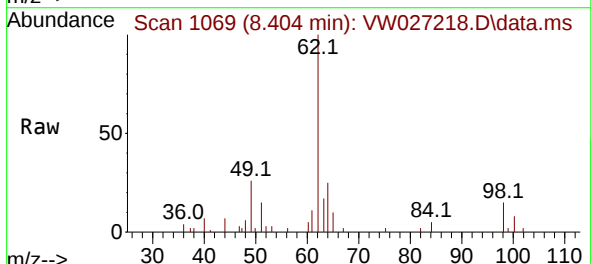
Manual Integrations
APPROVED

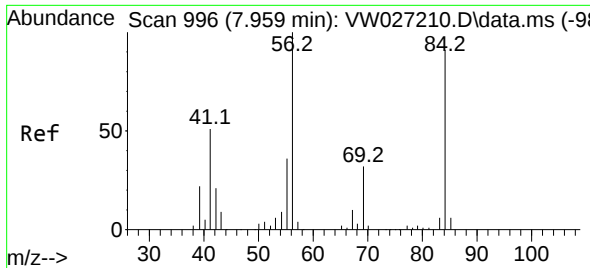
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#27
1,2-Dichloroethane
Concen: 0.764 ug/L
RT: 8.404 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

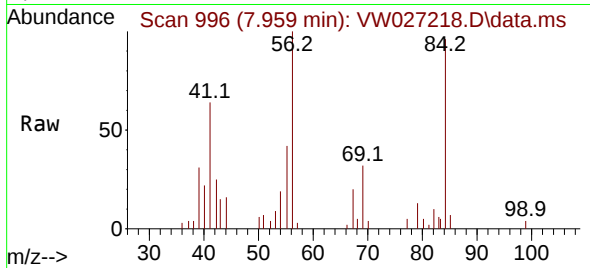
Tgt Ion: 62 Resp: 7786
Ion Ratio Lower Upper
62 100
98 14.6 7.9 11.9#





#29
Cyclohexane
Concen: 0.616 ug/L
RT: 7.959 min Scan# 996
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

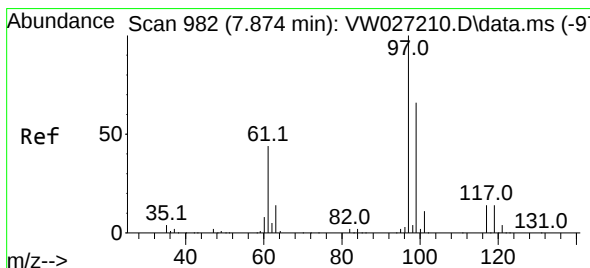
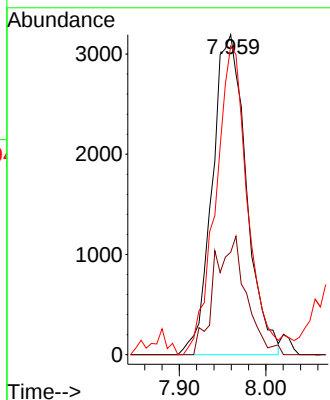
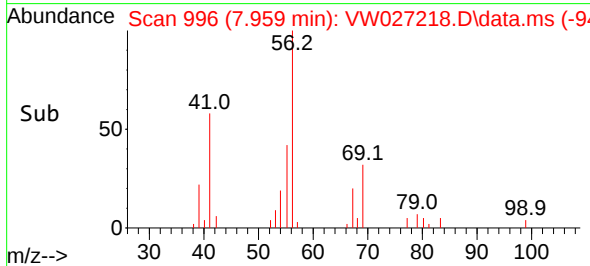
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08DL



Tgt Ion: 56 Resp: 8709
Ion Ratio Lower Upper
56 100
69 22.8 25.0 37.4
84 90.1 69.9 104.9

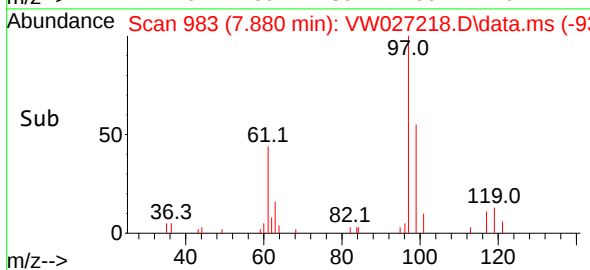
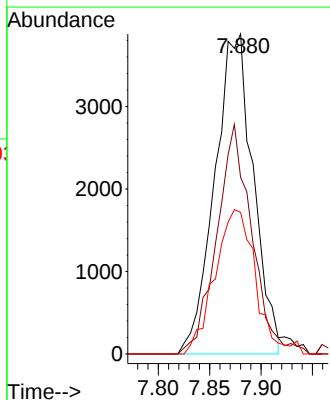
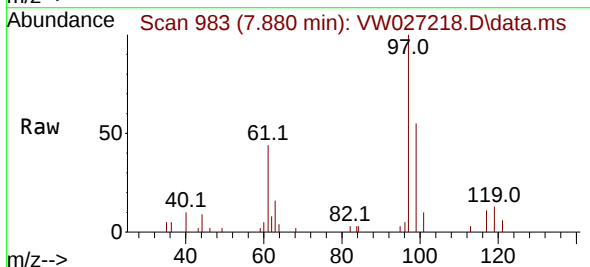
Manual Integrations
APPROVED

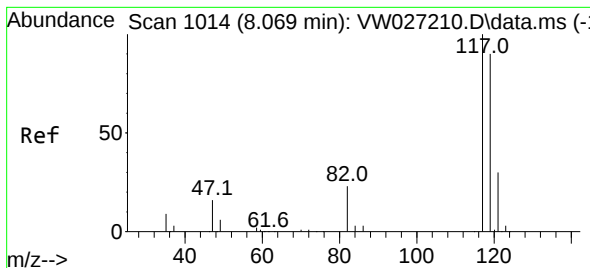
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#30
1,1,1-Trichloroethane
Concen: 0.766 ug/L
RT: 7.880 min Scan# 983
Delta R.T. 0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion: 97 Resp: 10111
Ion Ratio Lower Upper
97 100
99 64.1 50.8 76.2
61 47.1 34.6 52.0





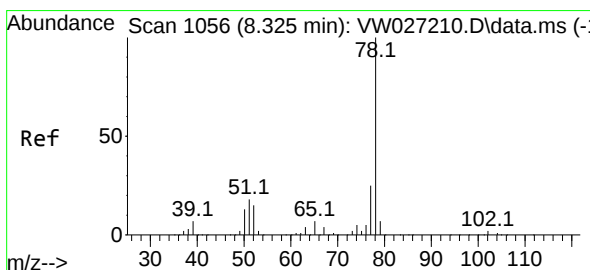
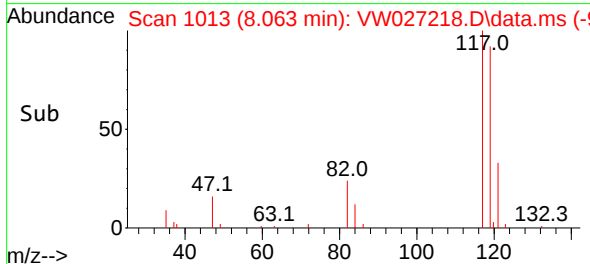
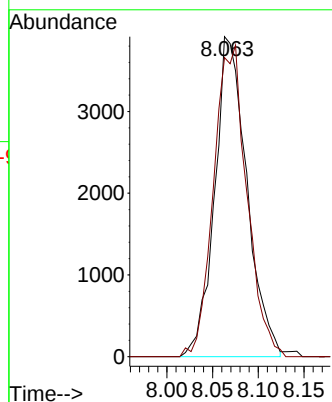
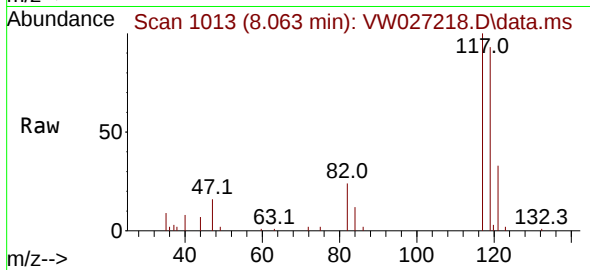
#31
Carbon tetrachloride
Concen: 0.769 ug/L
RT: 8.063 min Scan# 1013
Delta R.T. -0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion:117 Resp: 959
Ion Ratio Lower Upper
117 100
119 100.1 77.0 115.6

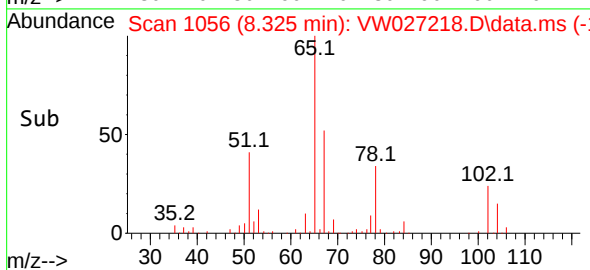
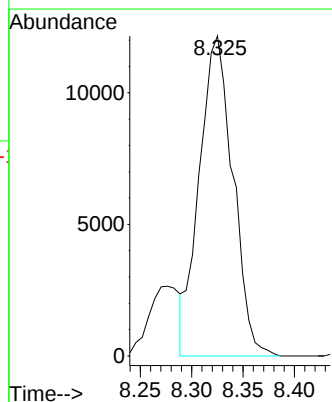
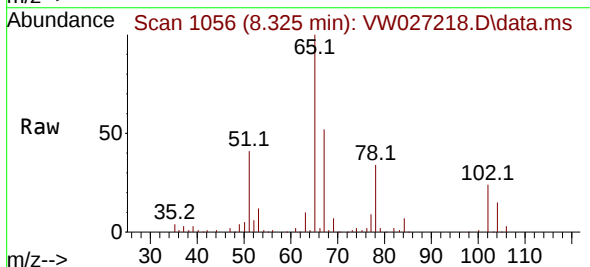
Manual Integrations
APPROVED

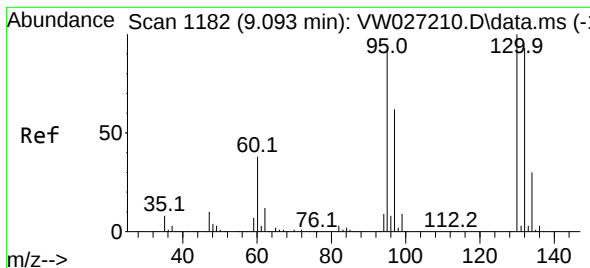
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#33
Benzene
Concen: 0.736 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion: 78 Resp: 27639





#34

Trichloroethene

Concen: 0.712 ug/L

RT: 9.087 min Scan# 1181

Delta R.T. -0.006 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08DL

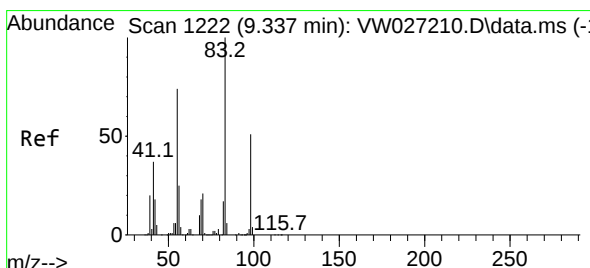
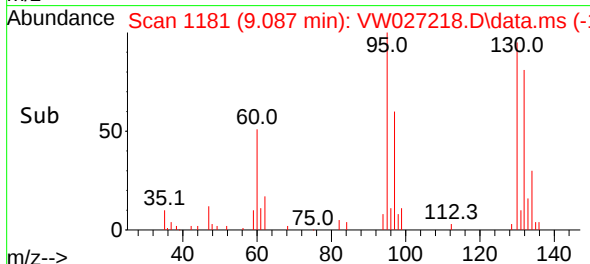
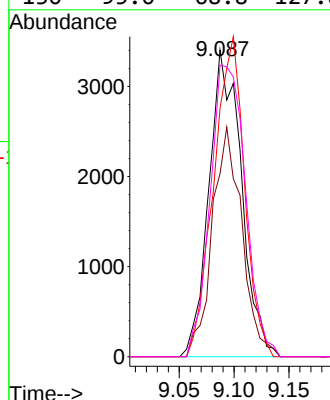
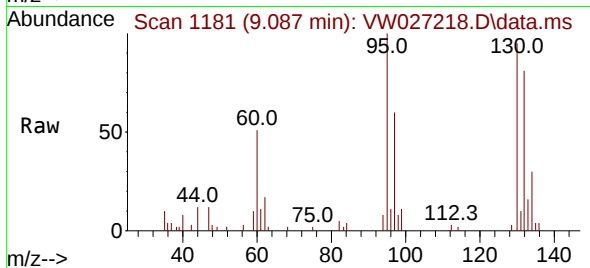
Tgt Ion: 95 Resp: 698

Ion	Ratio	Lower	Upper
95	100		
97	59.7	46.1	85.7
132	81.1	71.5	132.9
130	95.0	68.8	127.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#35

Methylcyclohexane

Concen: 0.652 ug/L

RT: 9.331 min Scan# 1221

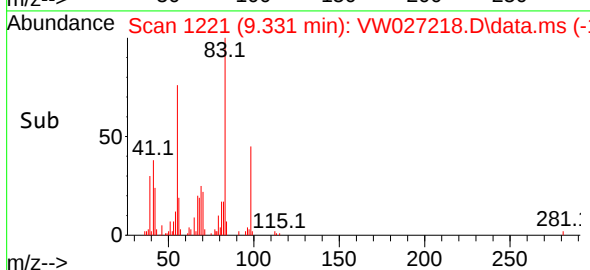
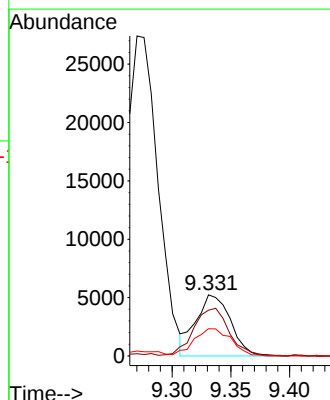
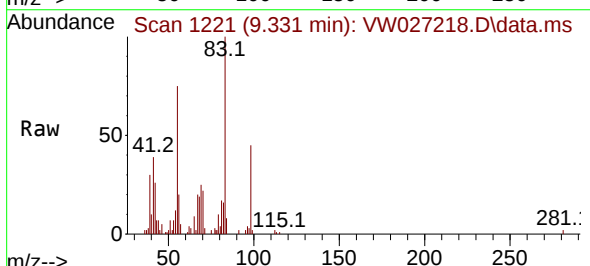
Delta R.T. -0.006 min

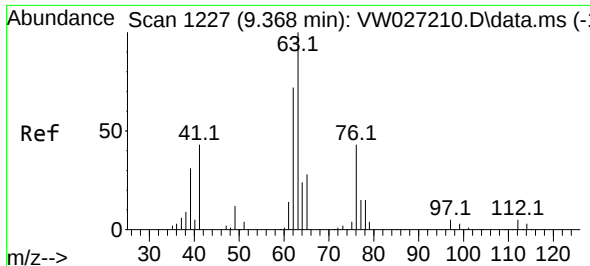
Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Tgt Ion: 83 Resp: 10746

Ion	Ratio	Lower	Upper
83	100		
55	80.5	59.1	88.7
98	47.2	38.6	58.0





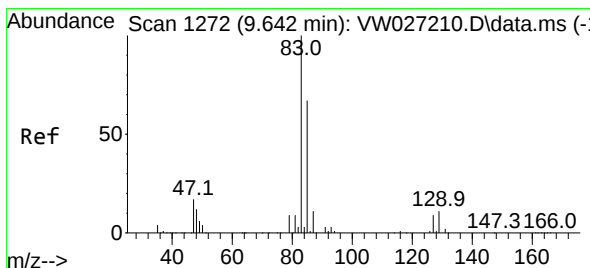
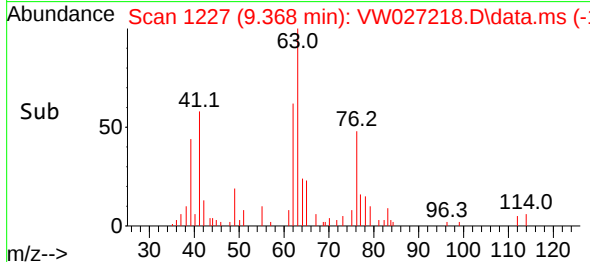
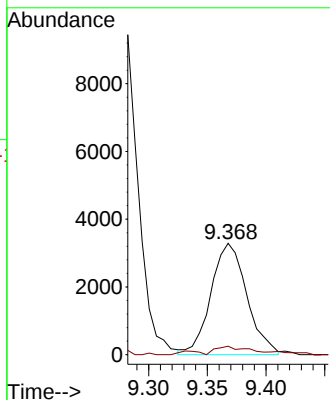
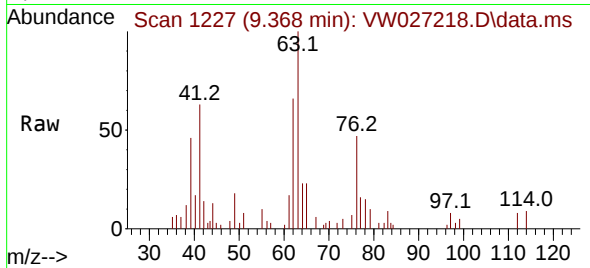
#37
1,2-Dichloropropane
Concen: 0.724 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion: 63 Resp: 7000
Ion Ratio Lower Upper
63 100
112 4.1 3.7 5.5

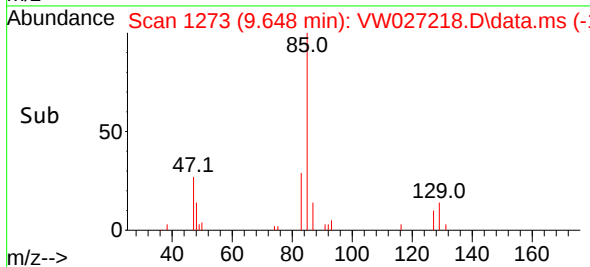
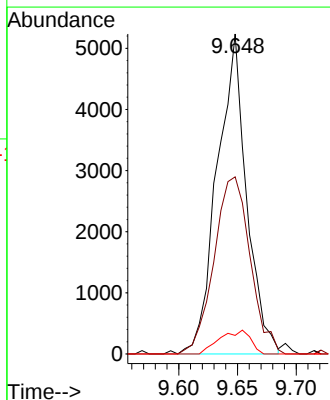
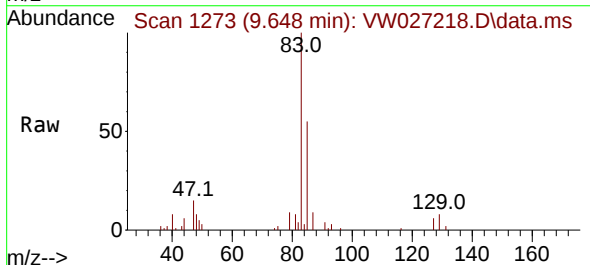
Manual Integrations
APPROVED

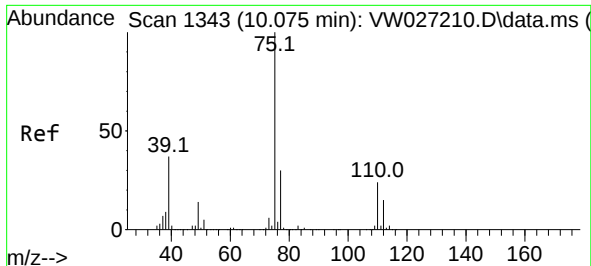
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#38
Bromodichloromethane
Concen: 0.783 ug/L
RT: 9.648 min Scan# 1273
Delta R.T. 0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

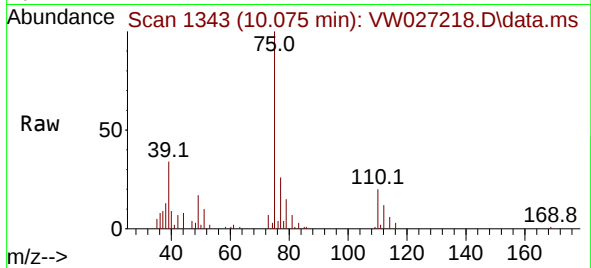
Tgt Ion: 83 Resp: 9103
Ion Ratio Lower Upper
83 100
85 55.4 44.7 82.9
127 5.8 7.0 10.6#





#39
cis-1,3-Dichloropropene
Concen: 0.701 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

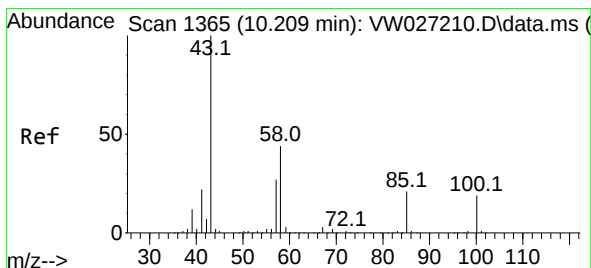
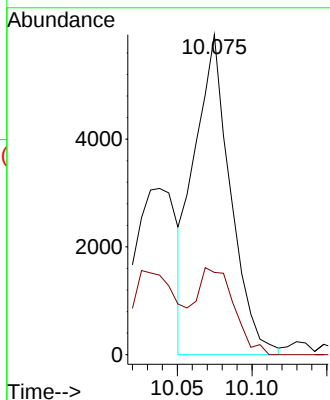
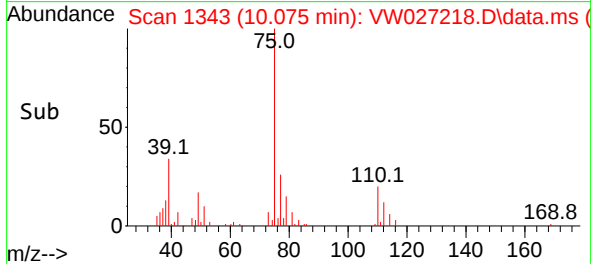
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08DL



Tgt Ion: 75 Resp: 10000
Ion Ratio Lower Upper
75 100
77 25.7 22.3 41.3

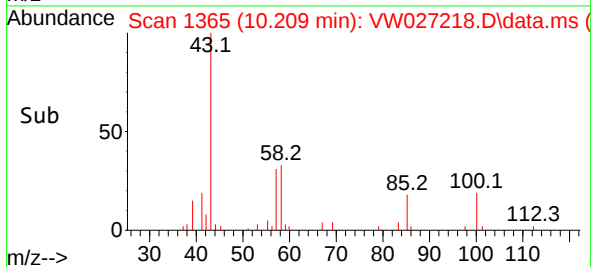
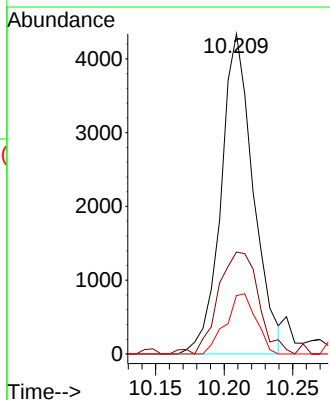
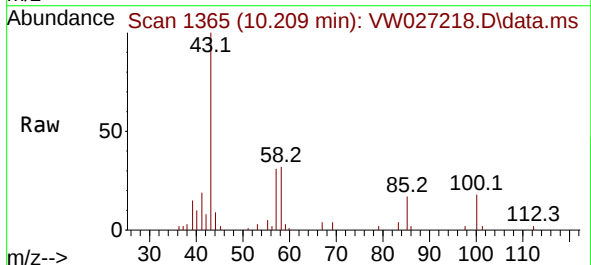
Manual Integrations
APPROVED

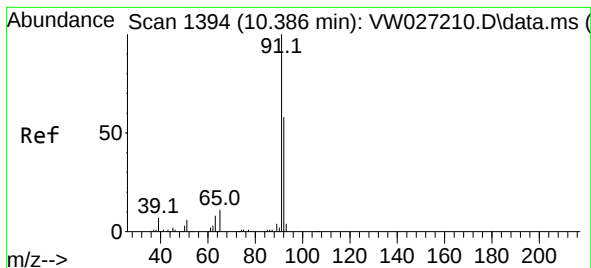
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#40
4-Methyl-2-pentanone
Concen: 1.512 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion: 43 Resp: 7095
Ion Ratio Lower Upper
43 100
58 39.3 33.8 50.6
100 17.6 13.7 20.5





#42

Toluene

Concen: 0.740 ug/L

RT: 10.386 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08DL

Tgt Ion: 91 Resp: 2853

Ion Ratio Lower Upper

91 100

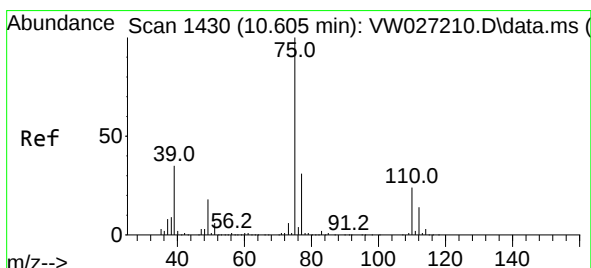
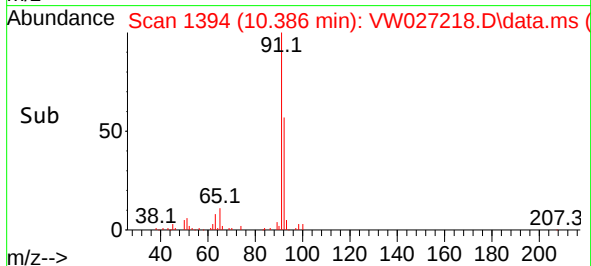
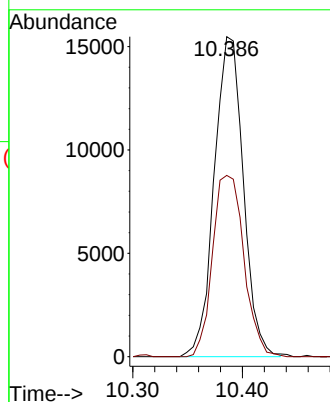
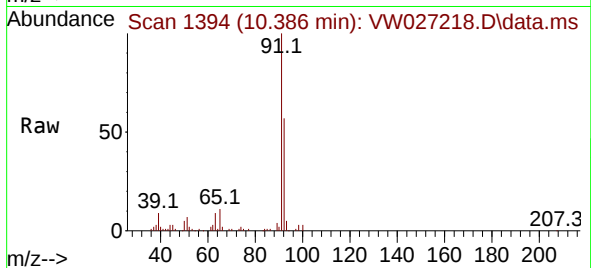
92 56.7 42.6 79.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#44

trans-1,3-Dichloropropene

Concen: 0.748 ug/L m

RT: 10.605 min Scan# 1430

Delta R.T. -0.000 min

Lab File: VW027218.D

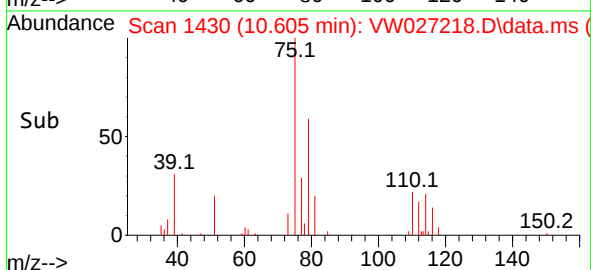
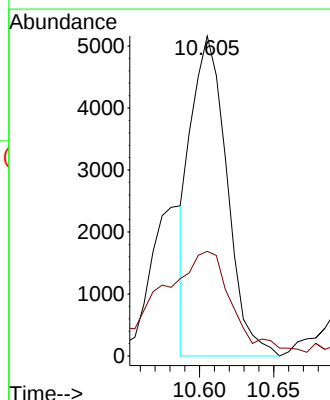
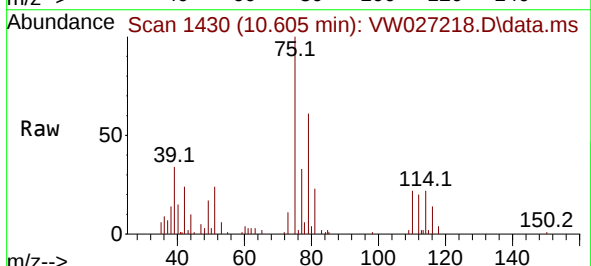
Acq: 04 Oct 2023 14:05

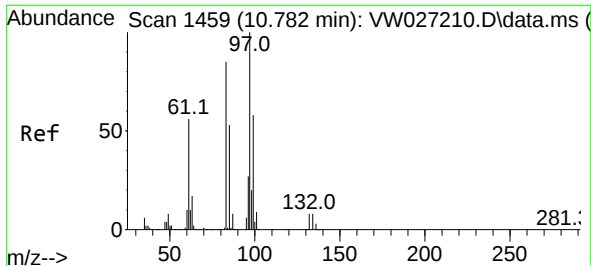
Tgt Ion: 75 Resp: 8736

Ion Ratio Lower Upper

75 100

77 32.7 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 0.808 ug/L

RT: 10.782 min Scan# 1459

Delta R.T. -0.000 min

Lab File: VW027218.D

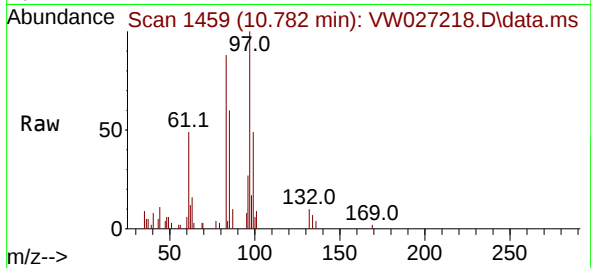
Acq: 04 Oct 2023 14:05

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08DL



Tgt Ion: 97 Resp: 5650

Ion Ratio Lower Upper

97 100

99 48.5 45.3 84.1

83 88.0 59.5 110.5

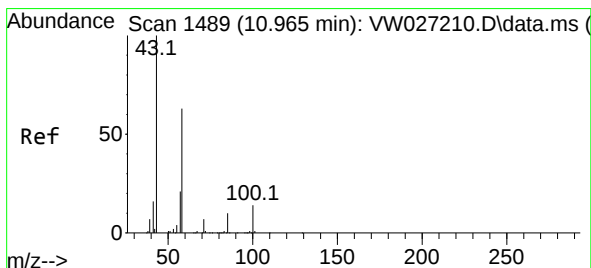
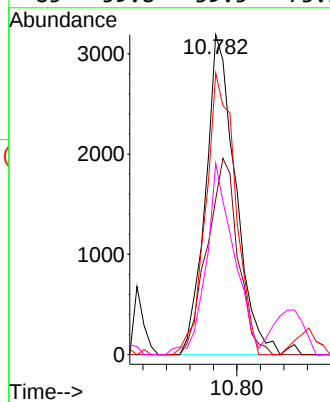
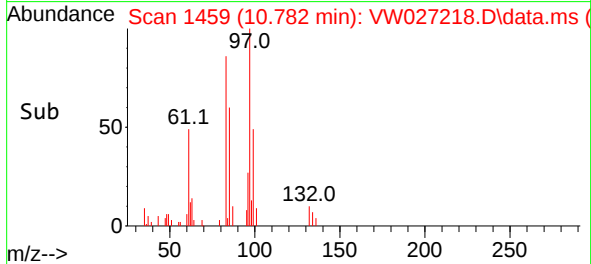
85 59.8 39.5 73.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#48

2-Hexanone

Concen: 1.511 ug/L

RT: 10.965 min Scan# 1489

Delta R.T. -0.000 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Tgt Ion: 43 Resp: 5560

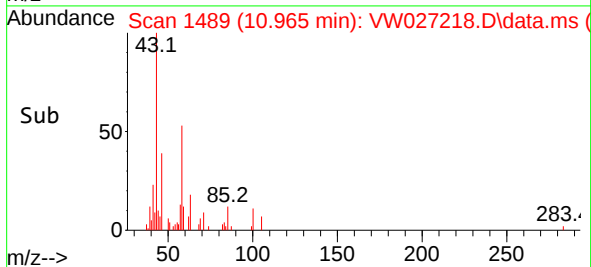
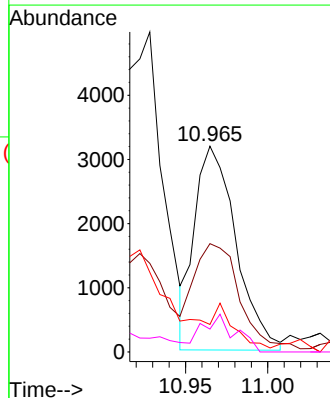
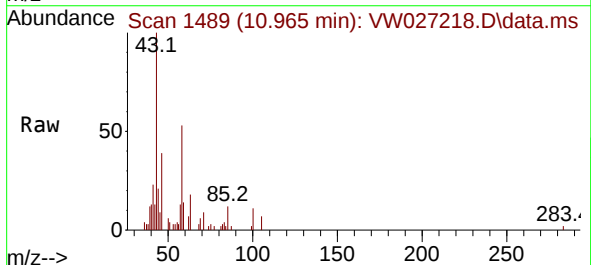
Ion Ratio Lower Upper

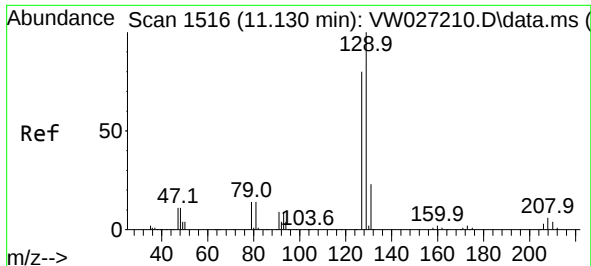
43 100

58 59.3 47.2 70.8

57 12.0 15.9 23.9#

100 10.6 10.4 15.6





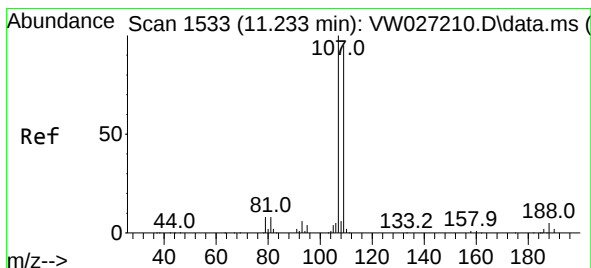
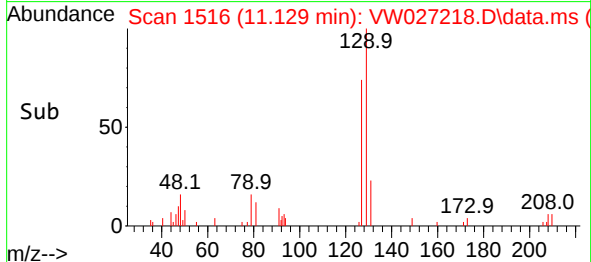
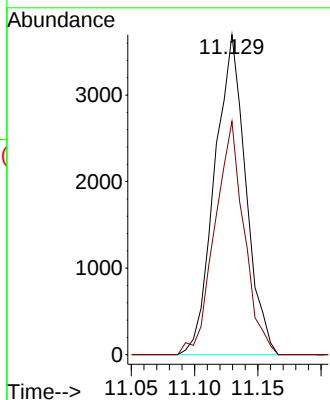
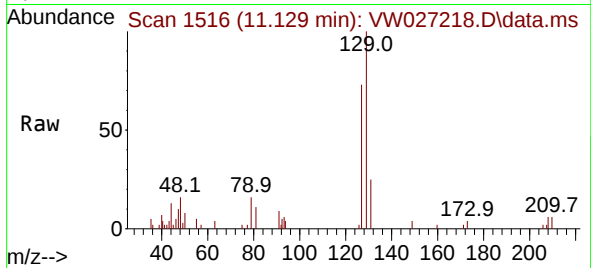
#49
Dibromochloromethane
Concen: 0.833 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion:129 Resp: 632
Ion Ratio Lower Upper
129 100
127 72.9 54.2 100.6

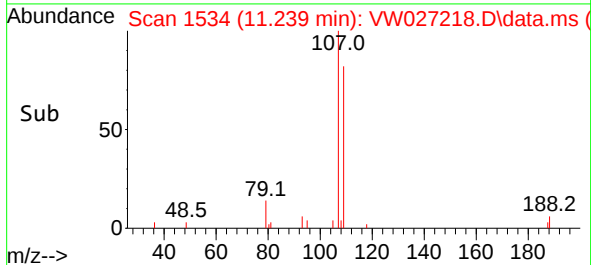
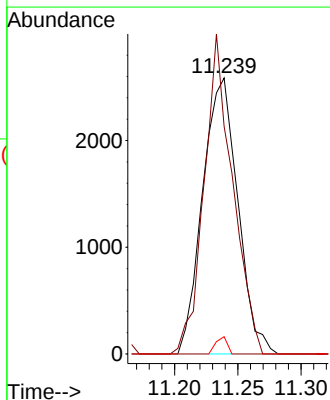
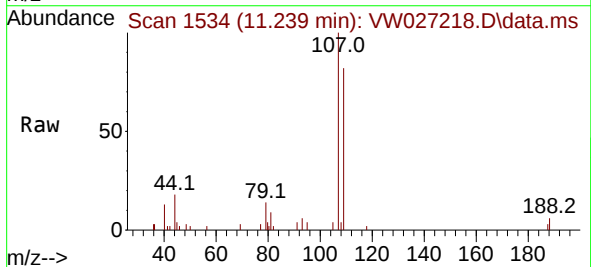
Manual Integrations
APPROVED

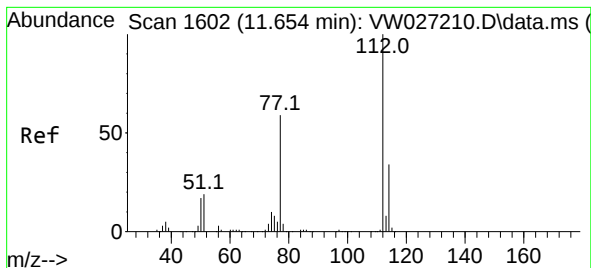
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#50
1,2-Dibromoethane
Concen: 0.771 ug/L
RT: 11.239 min Scan# 1534
Delta R.T. 0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

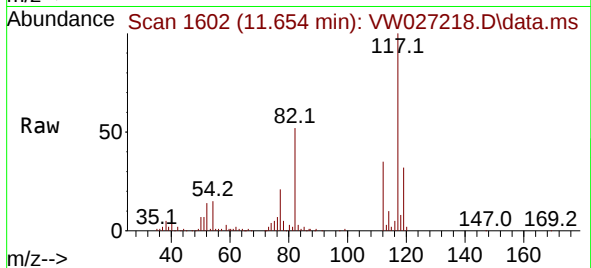
Tgt Ion:107 Resp: 5007
Ion Ratio Lower Upper
107 100
109 82.4 68.2 126.6
188 6.3 2.6 4.0#





#51
Chlorobenzene
Concen: 0.752 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

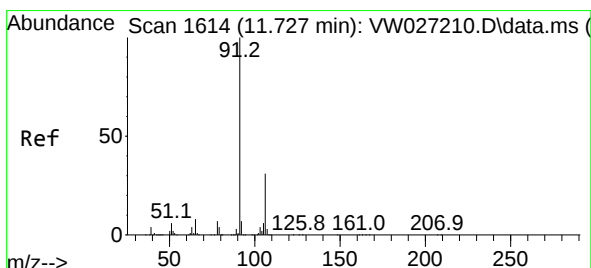
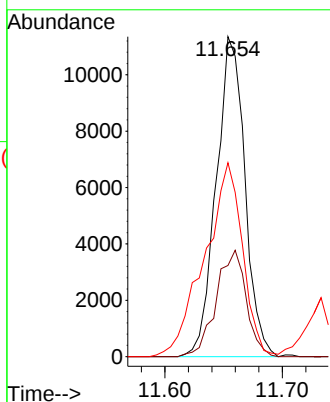
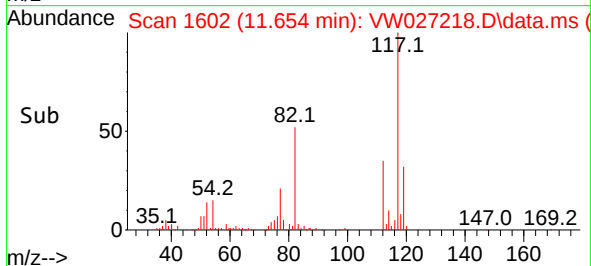
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08DL



Tgt Ion: 112 Resp: 1924
Ion Ratio Lower Upper
112 100
114 28.5 21.9 40.7
77 60.6 47.4 71.0

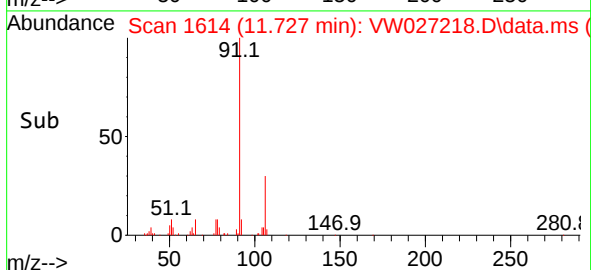
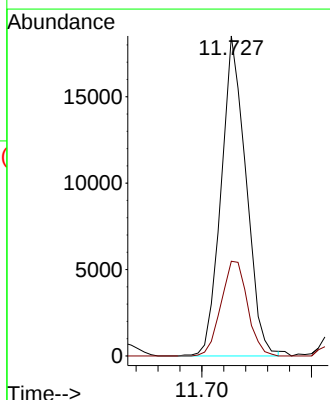
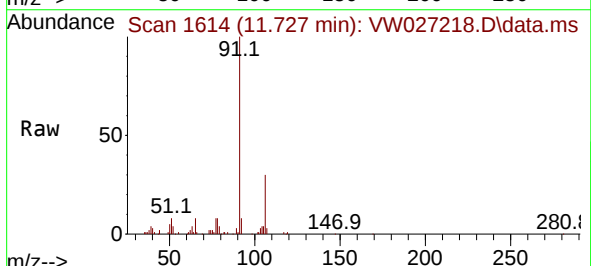
Manual Integrations
APPROVED

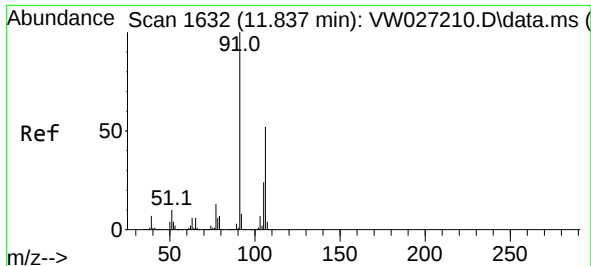
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#52
Ethylbenzene
Concen: 0.673 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion: 91 Resp: 29134
Ion Ratio Lower Upper
91 100
106 29.6 21.8 40.6





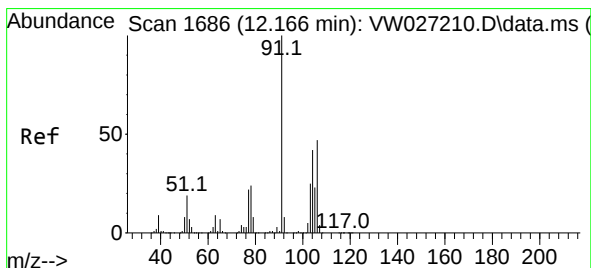
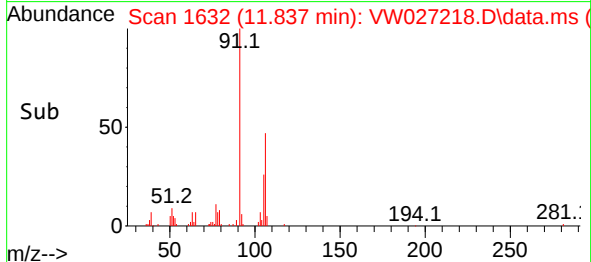
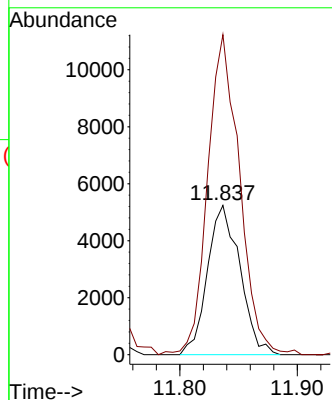
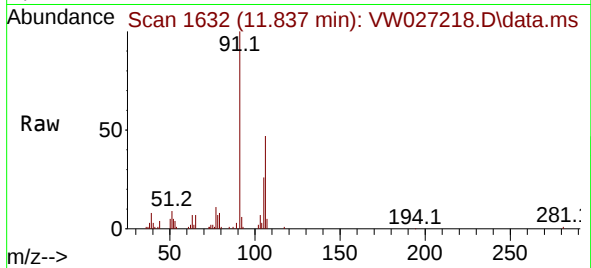
#53
m,p-Xylene
Concen: 0.607 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion:106 Resp: 1008
Ion Ratio Lower Upper
106 100
91 214.3 145.9 270.9

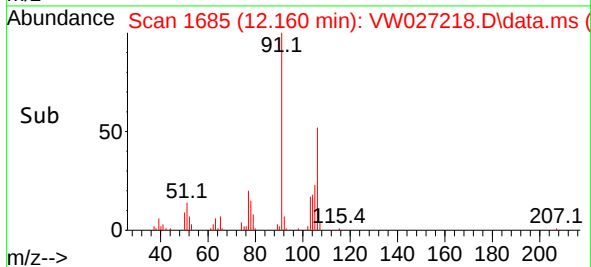
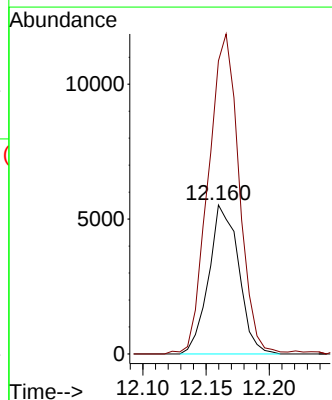
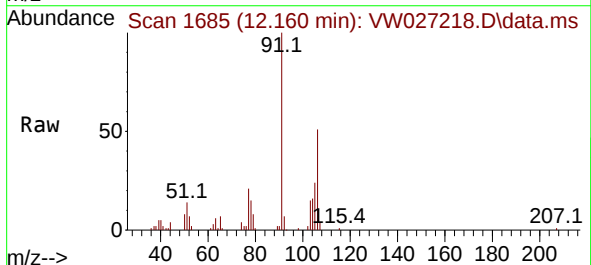
Manual Integrations
APPROVED

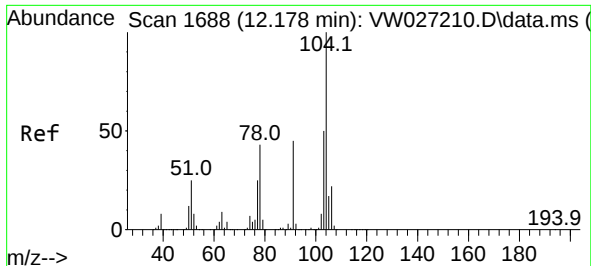
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#54
o-Xylene
Concen: 0.586 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

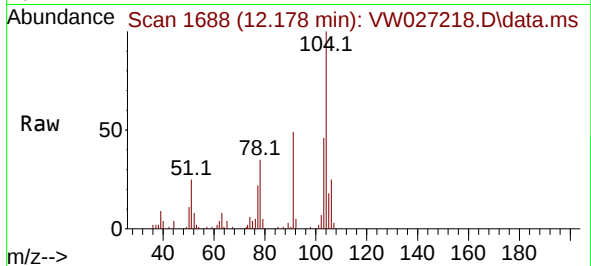
Tgt Ion:106 Resp: 9097
Ion Ratio Lower Upper
106 100
91 196.9 149.5 277.7





#55
Styrene
Concen: 0.582 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

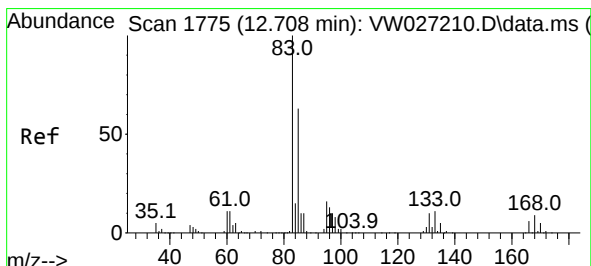
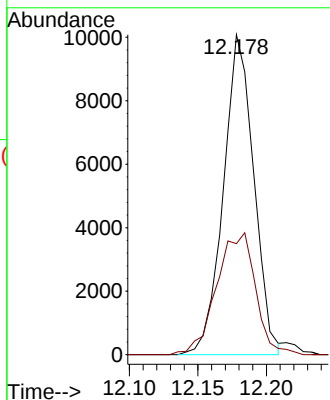
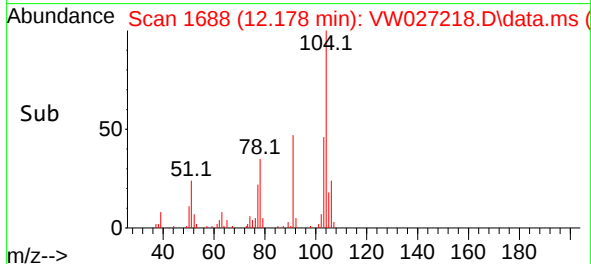
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08DL



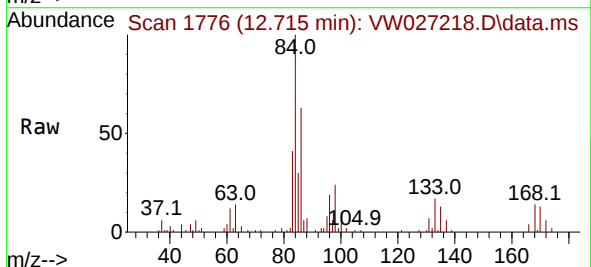
Tgt Ion:104 Resp: 15540
Ion Ratio Lower Upper
104 100
78 34.7 30.1 55.9

Manual Integrations
APPROVED

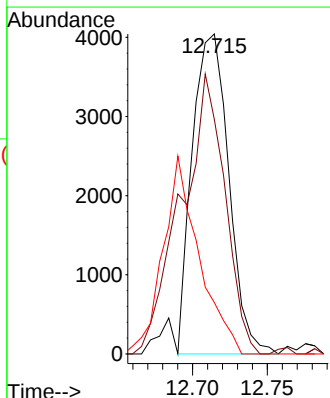
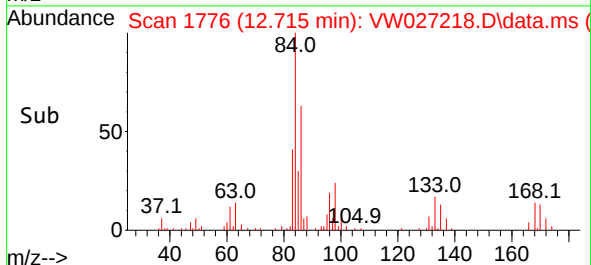
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023

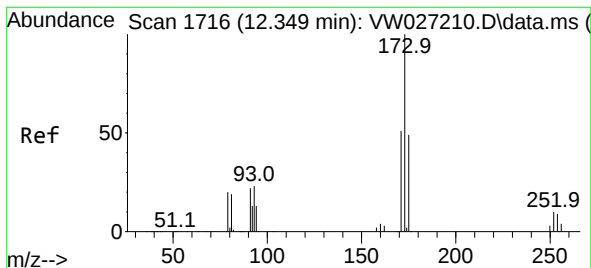


#57
1,1,2,2-Tetrachloroethane
Concen: 0.820 ug/L
RT: 12.715 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05



Tgt Ion: 83 Resp: 6885
Ion Ratio Lower Upper
83 100
85 73.2 43.5 80.7
131 16.1 7.6 11.4#





#59

Bromoform

Concen: 0.754 ug/L

RT: 12.349 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Instrument :

MSVOA_W

ClientSampleId :

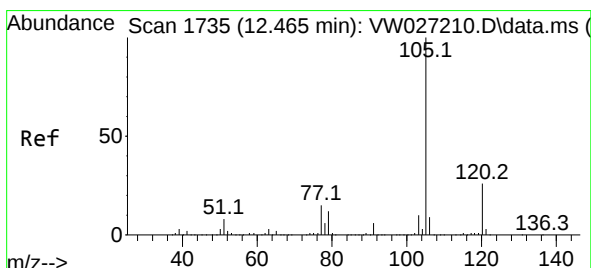
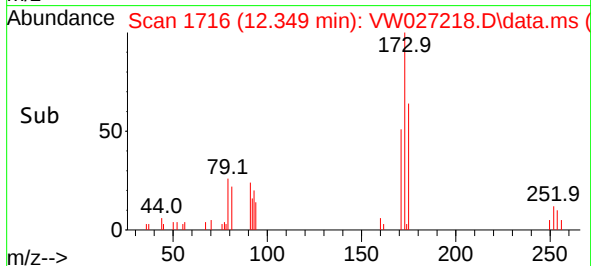
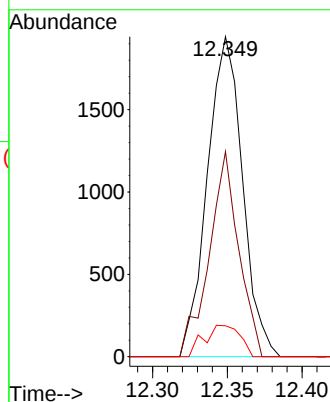
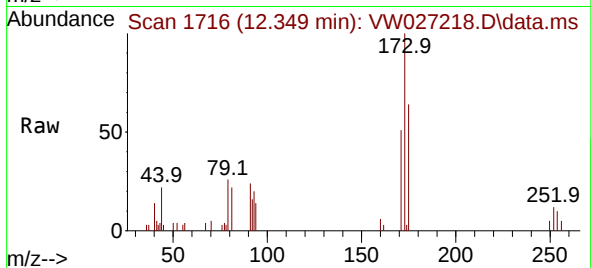
MDL-SOIL-QT4-2023-08DL

Tgt Ion:	173	Resp:	3180
Ion Ratio	Lower	Upper	
173	100		
175	53.9	37.1	55.7
254	10.0	7.2	10.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#60

Isopropylbenzene

Concen: 0.598 ug/L

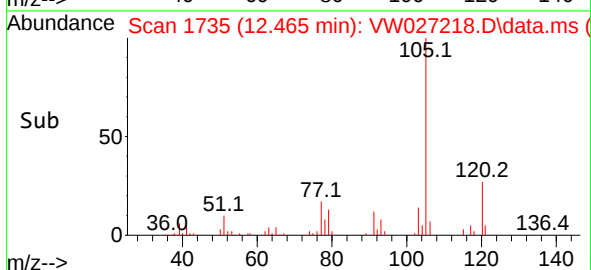
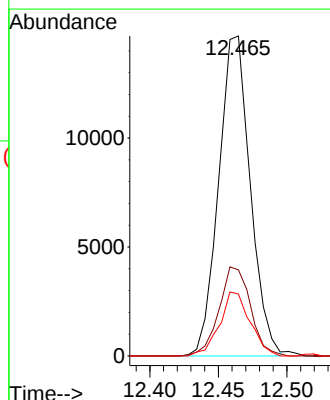
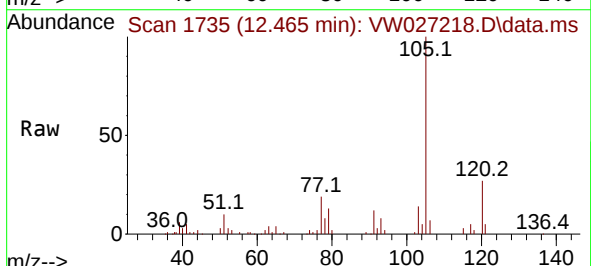
RT: 12.465 min Scan# 1735

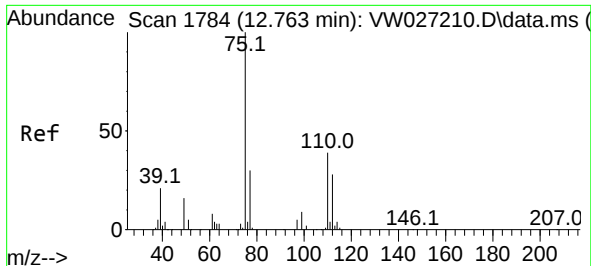
Delta R.T. -0.000 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Tgt Ion:	105	Resp:	23515
Ion Ratio	Lower	Upper	
105	100		
120	27.6	21.0	31.6
77	19.3	12.5	18.7





#61

1,2,3-Trichloropropane

Concen: 0.825 ug/L

RT: 12.763 min Scan# 11

Delta R.T. -0.000 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Instrument :

MSVOA_W

ClientSampleId :

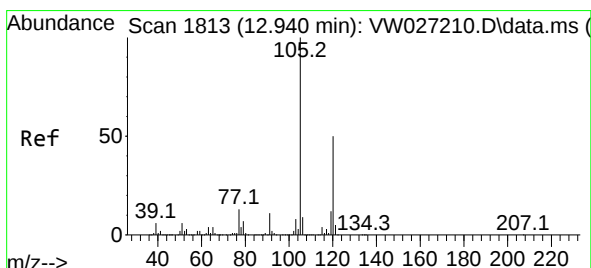
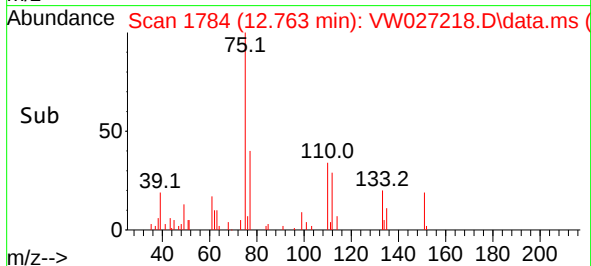
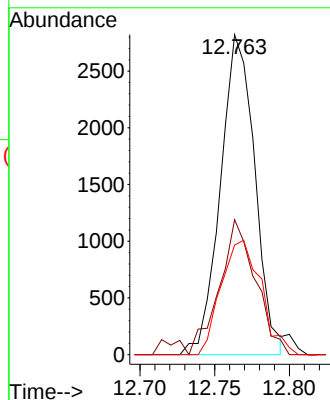
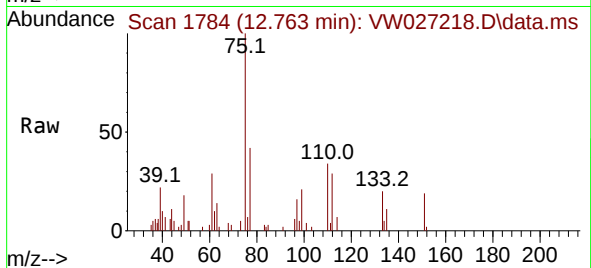
MDL-SOIL-QT4-2023-08DL

Tgt Ion:	75	Resp:	451
Ion Ratio	Lower	Upper	
75	100		
77	44.3	26.2	39.2
110	41.5	31.2	46.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#62

1,3,5-Trimethylbenzene

Concen: 0.632 ug/L

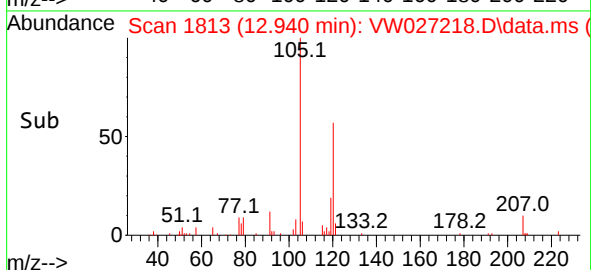
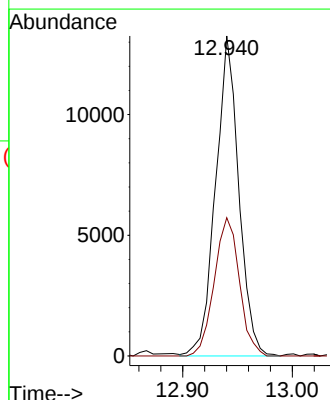
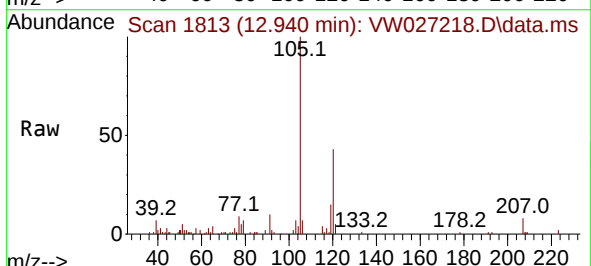
RT: 12.940 min Scan# 1813

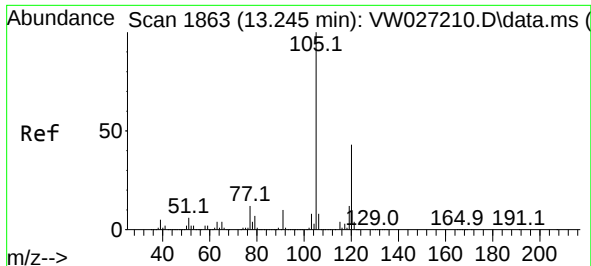
Delta R.T. -0.000 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Tgt Ion:	105	Resp:	19498
Ion Ratio	Lower	Upper	
105	100		
120	46.7	40.8	61.2





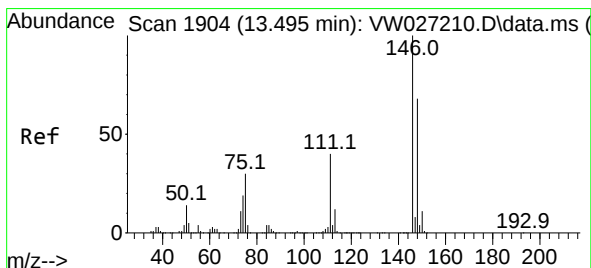
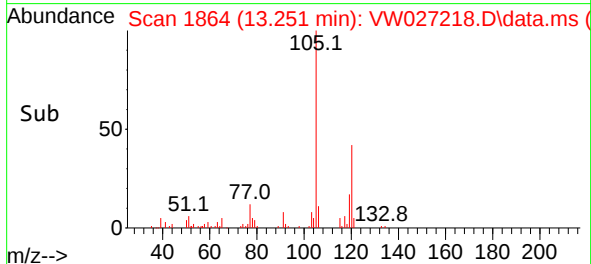
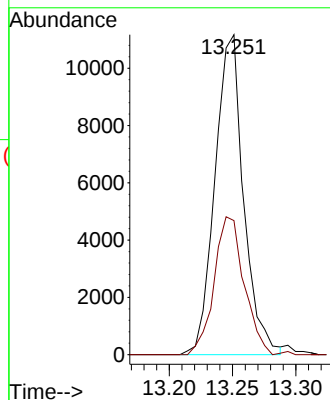
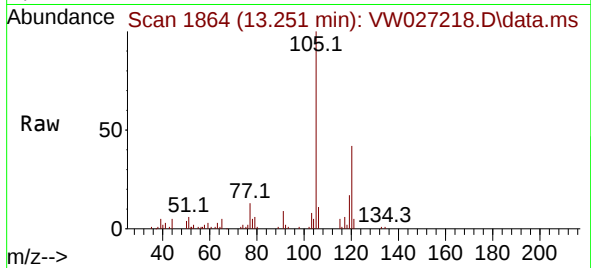
#63
1,2,4-Trimethylbenzene
Concen: 0.582 ug/L
RT: 13.251 min Scan# 1864
Delta R.T. 0.006 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion:105 Resp: 17600
Ion Ratio Lower Upper
105 100
120 45.1 36.8 55.2

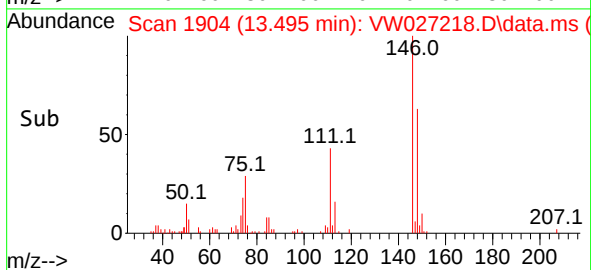
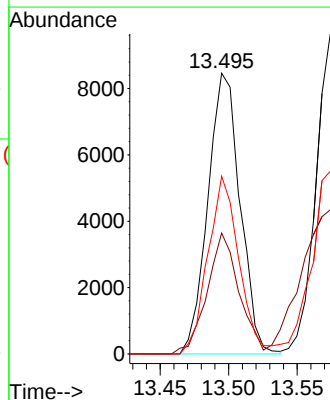
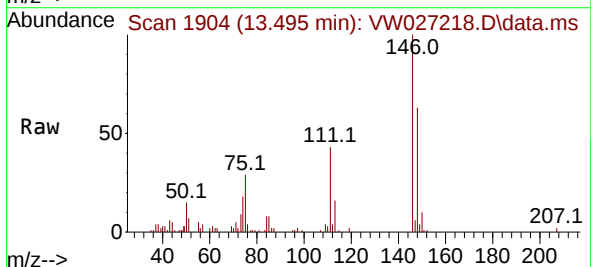
Manual Integrations
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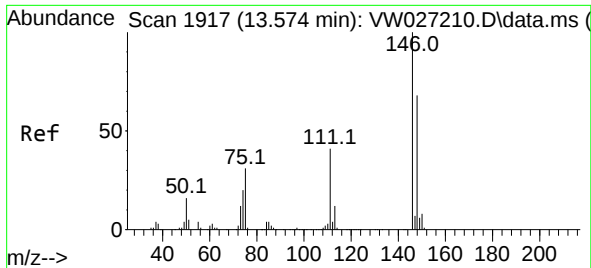
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#64
1,3-Dichlorobenzene
Concen: 0.763 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion:146 Resp: 13844
Ion Ratio Lower Upper
146 100
111 43.1 26.9 50.1
148 63.3 43.3 80.5





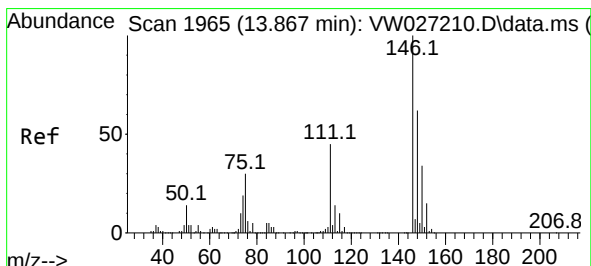
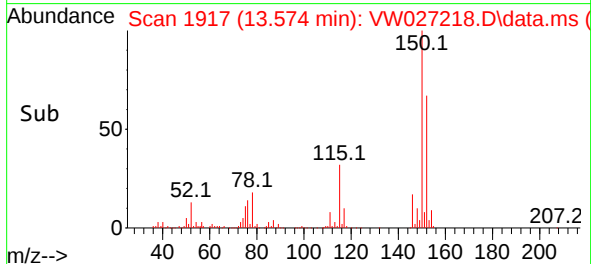
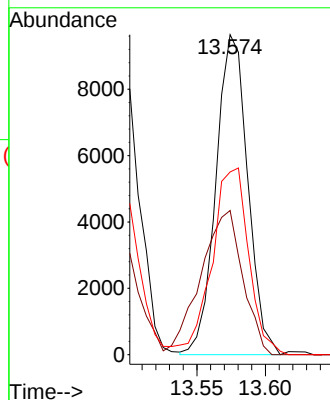
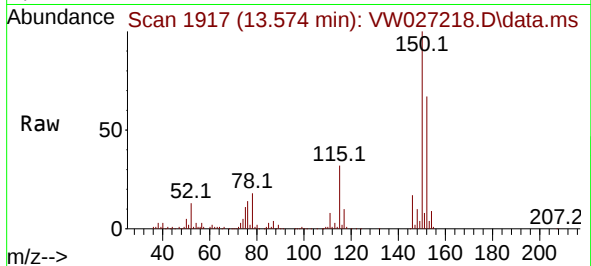
#65
1,4-Dichlorobenzene
Concen: 0.853 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

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

Tgt Ion:146 Resp: 1555
Ion Ratio Lower Upper
146 100
111 45.0 26.9 50.1
148 57.1 43.9 81.5

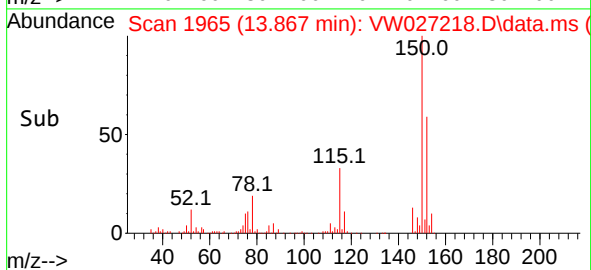
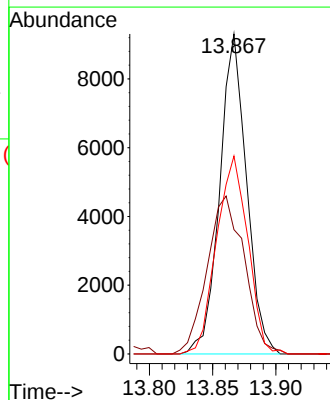
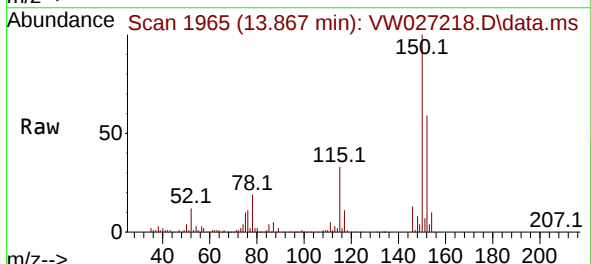
Manual Integrations
APPROVED

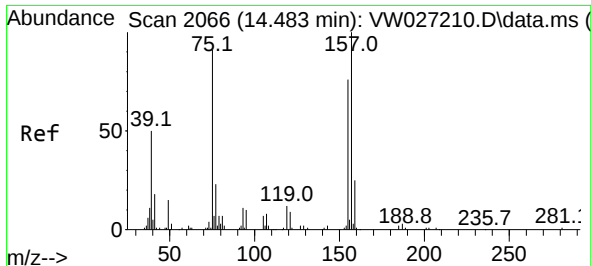
Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#67
1,2-Dichlorobenzene
Concen: 0.863 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. -0.000 min
Lab File: VW027218.D
Acq: 04 Oct 2023 14:05

Tgt Ion:146 Resp: 13732
Ion Ratio Lower Upper
146 100
111 38.9 35.6 53.4
148 61.9 58.4 87.6





#68

1,2-Dibromo-3-chloropropane

Concen: 0.924 ug/L

RT: 14.483 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VW027218.D

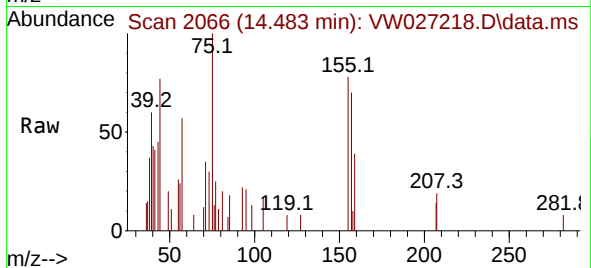
Acq: 04 Oct 2023 14:05

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08DL



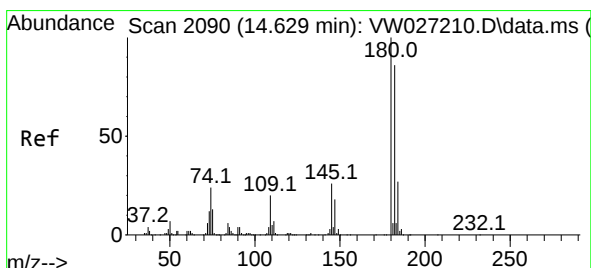
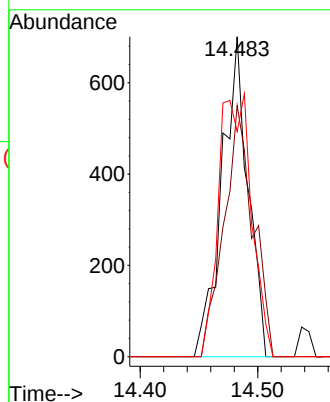
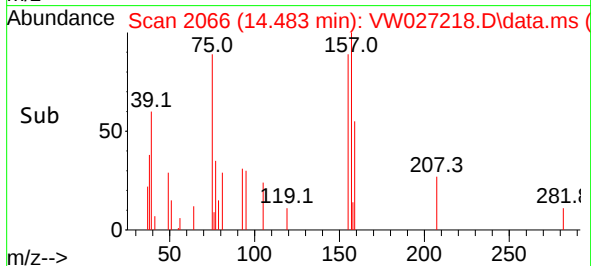
Tgt Ion:	75	Resp:	108
Ion Ratio	Lower	Upper	
75	100		
155	78.5	56.5	84.7
157	70.3	75.9	113.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023

Supervised By :Mahesh Dadoda 10/05/2023



#69

1,3,5-Trichlorobenzene

Concen: 0.853 ug/L

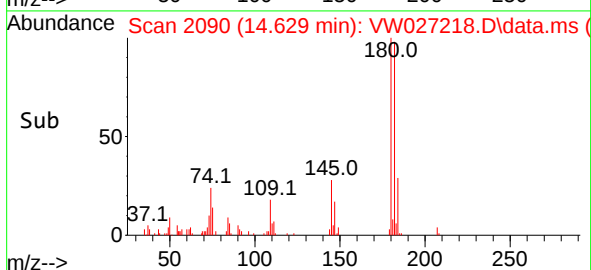
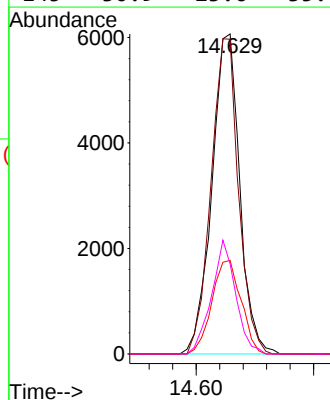
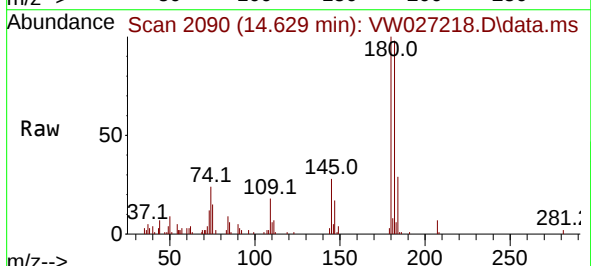
RT: 14.629 min Scan# 2090

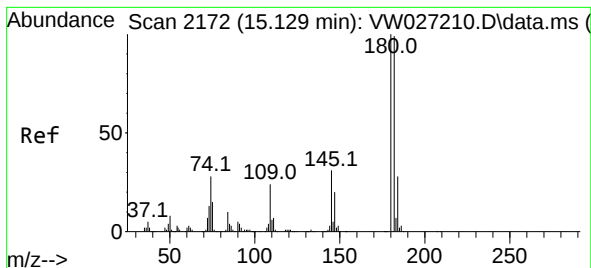
Delta R.T. -0.000 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Tgt Ion:	180	Resp:	9968
Ion Ratio	Lower	Upper	
180	100		
182	97.2	70.2	105.2
184	30.7	24.6	37.0
145	30.9	23.6	35.4





#70

1,2,4-trichlorobenzene

Concen: 0.799 ug/L

RT: 15.129 min Scan# 2172

Delta R.T. -0.000 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

Instrument :

MSVOA_W

ClientSampleId :

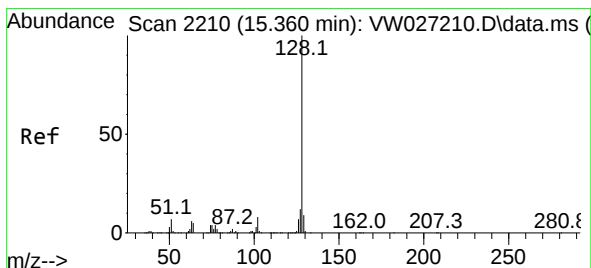
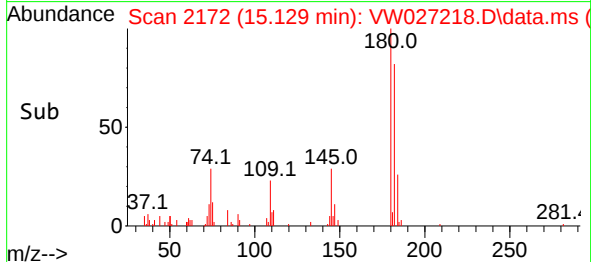
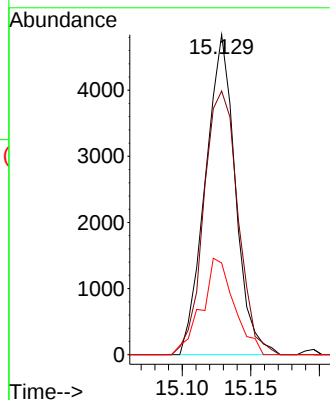
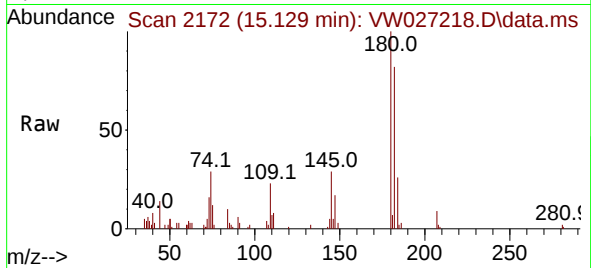
MDL-SOIL-QT4-2023-08DL

Tgt Ion:180	Resp:	7370
Ion Ratio	Lower	Upper
180	100	
182	93.8	77.4 116.2
145	32.8	24.3 36.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
Supervised By :Mahesh Dadoda 10/05/2023



#71

Naphthalene

Concen: 0.749 ug/L

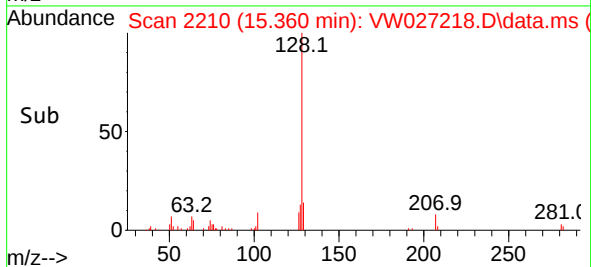
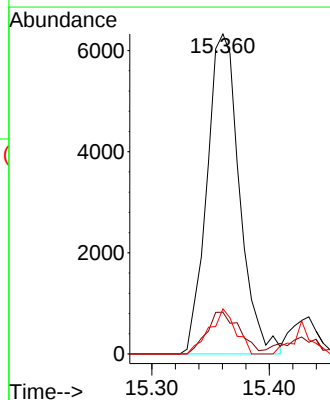
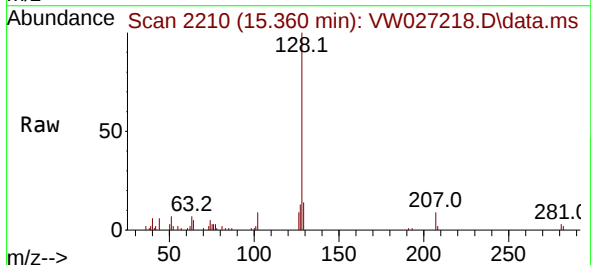
RT: 15.360 min Scan# 2210

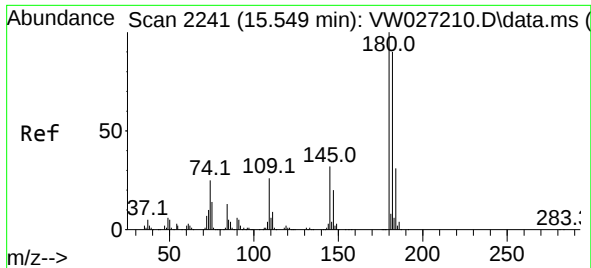
Delta R.T. -0.000 min

Lab File: VW027218.D

Acq: 04 Oct 2023 14:05

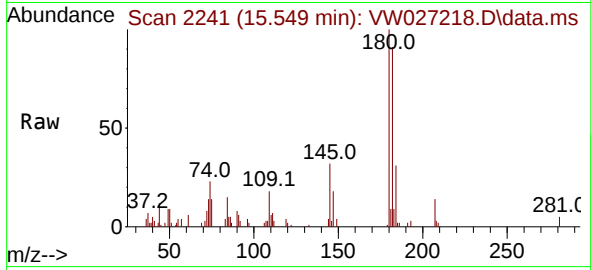
Tgt Ion:128	Resp:	12192
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.4 15.6
129	11.3	8.6 12.8





#72
 1,2,3-Trichlorobenzene
 Concen: 0.763 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VW027218.D
 Acq: 04 Oct 2023 14:05

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



Tgt Ion:	180	Resp:	624
Ion Ratio	Lower	Upper	
180	100		
182	104.9	74.7	112.1
145	33.5	26.4	39.6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/05/2023
 Supervised By :Mahesh Dadoda 10/05/2023

