

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022624\
 Data File : VW028064.D
 Acq On : 26 Feb 2024 14:36
 Operator : SY/MD
 Sample : P1601-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2024-01

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2024
 Supervised By :Mahesh Dadoda 02/27/2024

Quant Time: Feb 27 04:14:21 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020524SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Feb 27 01:31:10 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	274785	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	251494	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	127164	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	48206	14.978	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	59.920%
7) Chloroethane-d5	2.899	69	45468	18.626	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	74.520%
11) 1,1-Dichloroethene-d2	4.021	65	23892	17.350	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.400%
21) 2-Butanone-d5	7.075	46	27374	54.741	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	109.480%
24) Chloroform-d	7.648	84	133193	20.730	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	82.920%
26) 1,2-Dichloroethane-d4	8.307	65	65843	22.690	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.760%
32) Benzene-d6	8.270	84	257977	19.172	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	76.680%
36) 1,2-Dichloropropane-d6	9.270	67	72915	19.986	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	79.960%
41) Toluene-d8	10.319	98	253344	19.678	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	78.720%
43) trans-1,3-Dichloroprop...	10.575	79	30367	20.240	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	80.960%
47) 2-Hexanone-d5	10.922	63	26084	52.563	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	105.120%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	65453	24.003	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	96.000%
66) 1,2-Dichlorobenzene-d4	13.848	152	93981	21.744	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	86.960%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	2729m	1.153	ug/L	
3) Chloromethane	2.223	50	2524	0.971	ug/L	95
5) Vinyl chloride	2.375	62	3844	1.091	ug/L #	78
6) Bromomethane	2.796	94	2733	1.098	ug/L	93
8) Chloroethane	2.942	64	2150	1.080	ug/L	86
9) Trichlorofluoromethane	3.277	101	2605	0.814	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	4.082	101	4263m	1.321	ug/L	
12) 1,1-Dichloroethene	4.051	96	3676	1.225	ug/L #	1
14) Carbon disulfide	4.393	76	9464	1.065	ug/L #	94
15) Methyl Acetate	4.679	43	825	1.019	ug/L #	72
16) Methylene chloride	4.917	84	17568	5.115	ug/L	96
17) trans-1,2-Dichloroethene	5.441	96	3350	1.039	ug/L	94
18) Methyl tert-butyl Ether	5.435	73	4150m	1.086	ug/L	
19) 1,1-Dichloroethane	6.216	63	5351	1.021	ug/L	98
20) cis-1,2-Dichloroethene	7.173	96	3516	1.032	ug/L	96
22) 2-Butanone	7.179	43	1428	2.544	ug/L	73
23) Bromochloromethane	7.514	128	1666	1.101	ug/L #	69
25) Chloroform	7.673	83	6628	1.177	ug/L	99
27) 1,2-Dichloroethane	8.398	62	3797	1.211	ug/L #	90

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.953	56	4076	0.909	ug/L	91
30) 1,1,1-Trichloroethane	7.874	97	5389	1.110	ug/L #	88
31) Carbon tetrachloride	8.063	117	4782	1.065	ug/L	98
33) Benzene	8.325	78	13664	1.088	ug/L	100
34) Trichloroethene	9.093	95	3538	0.981	ug/L	86
35) Methylcyclohexane	9.337	83	5851	0.986	ug/L	98
37) 1,2-Dichloropropane	9.368	63	3193	1.082	ug/L #	93
38) Bromodichloromethane	9.642	83	4446	1.128	ug/L	98
39) cis-1,3-Dichloropropene	10.069	75	4369	0.923	ug/L	100
40) 4-Methyl-2-pentanone	10.209	43	2456	2.204	ug/L	96
42) Toluene	10.386	91	14800	1.051	ug/L	97
44) trans-1,3-Dichloropropene	10.599	75	3742m	0.997	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	2780	1.190	ug/L	89
46) Tetrachloroethene	10.867	164	3388	1.117	ug/L	80
48) 2-Hexanone	10.965	43	2074	2.458	ug/L	93
49) Dibromochloromethane	11.129	129	2976	1.117	ug/L	90
50) 1,2-Dibromoethane	11.233	107	2370	1.087	ug/L #	88
51) Chlorobenzene	11.654	112	9839	1.050	ug/L	90
52) Ethylbenzene	11.727	91	15642	0.985	ug/L	96
53) m,p-Xylene	11.837	106	6051	0.972	ug/L	76
54) o-Xylene	12.166	106	5264	0.901	ug/L	97
55) Styrene	12.178	104	8850	0.910	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.708	83	2926	1.170	ug/L #	82
59) Bromoform	12.355	173	1549	1.032	ug/L #	96
60) Isopropylbenzene	12.465	105	14222	0.896	ug/L	99
61) 1,2,3-Trichloropropane	12.763	75	1983	1.168	ug/L	97
62) 1,3,5-Trimethylbenzene	12.940	105	11409	0.898	ug/L	96
63) 1,2,4-Trimethylbenzene	13.245	105	10727	0.863	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	7363	1.009	ug/L	85
65) 1,4-Dichlorobenzene	13.574	146	7955	1.073	ug/L	92
67) 1,2-Dichlorobenzene	13.867	146	7126	1.106	ug/L	90
68) 1,2-Dibromo-3-chloropr...	14.483	75	392m	1.163	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	5230	0.999	ug/L	92
70) 1,2,4-trichlorobenzene	15.123	180	4207	0.995	ug/L	98
71) Naphthalene	15.360	128	6412	0.976	ug/L	98
72) 1,2,3-Trichlorobenzene	15.549	180	3967	1.124	ug/L	96

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

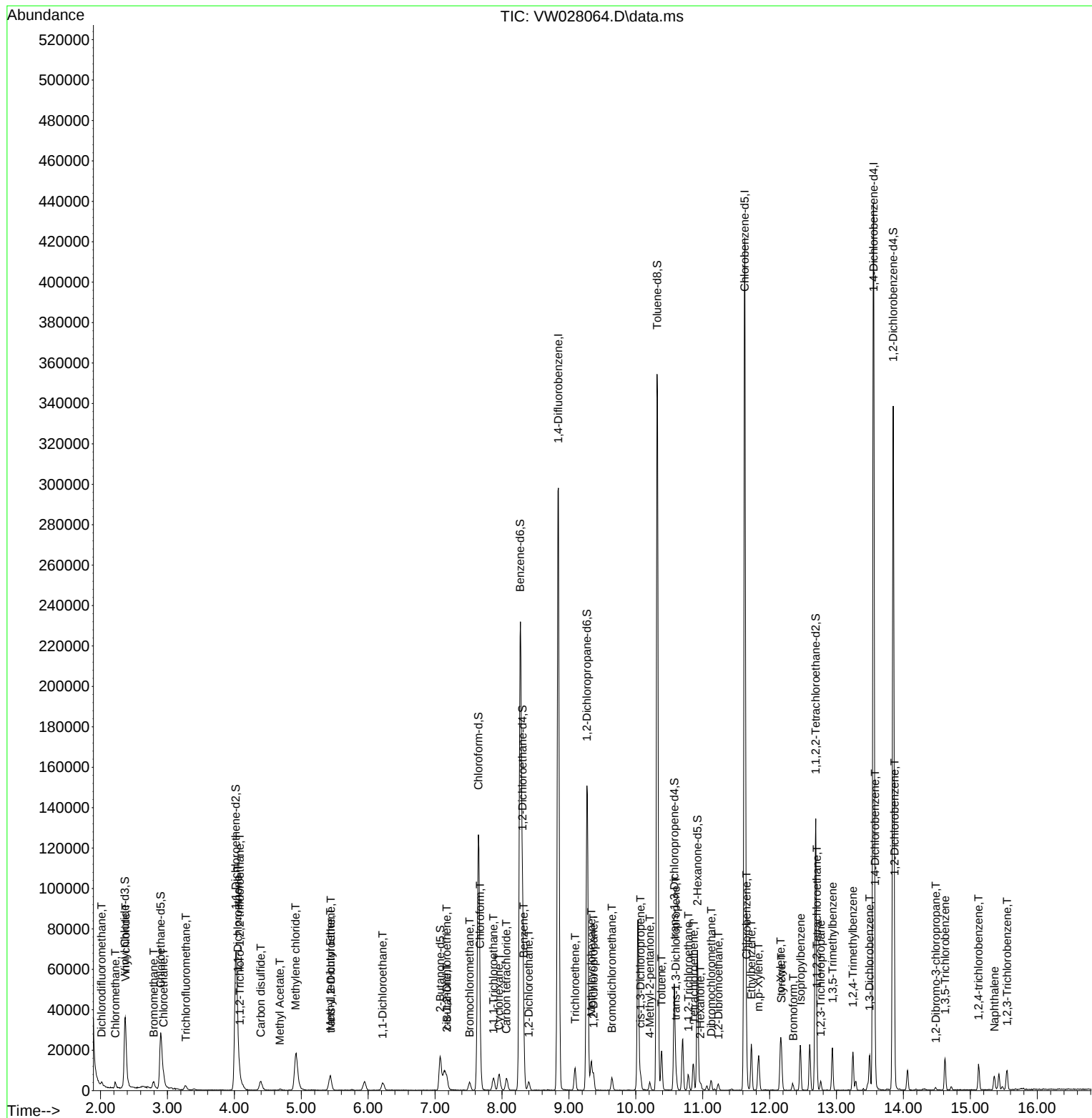
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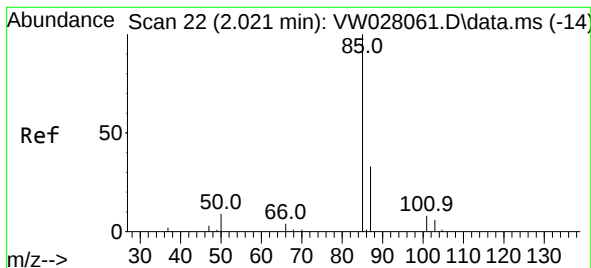
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01

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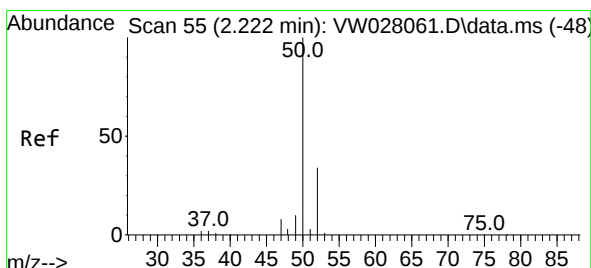
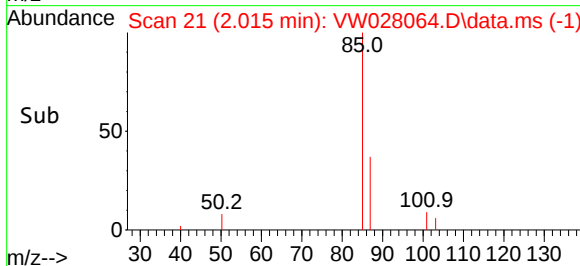
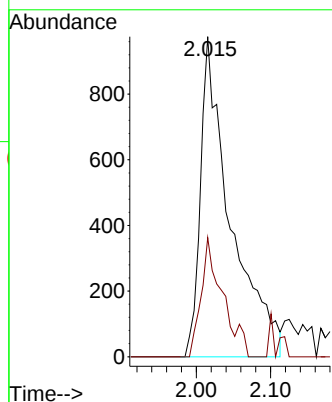
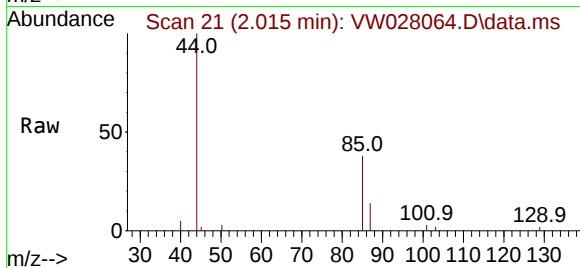
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Dichlorodifluoromethane
Concen: 1.153 ug/L m
RT: 2.015 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT1-2024-01

Tgt Ion: 85 Resp: 2729
Ion Ratio Lower Upper
85 100
87 1.6 25.3 37.9

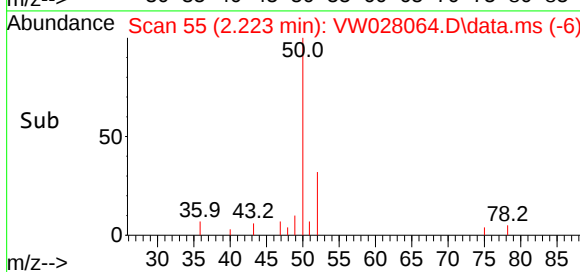
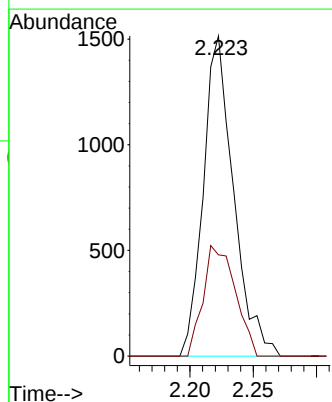
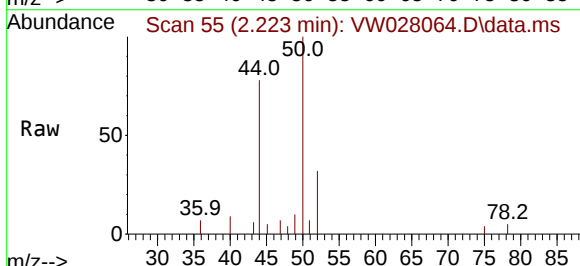
Manual Integrations
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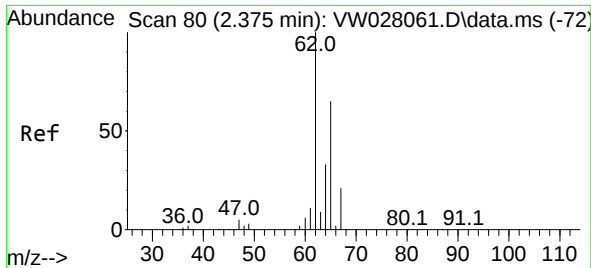
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#3
Chloromethane
Concen: 0.971 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

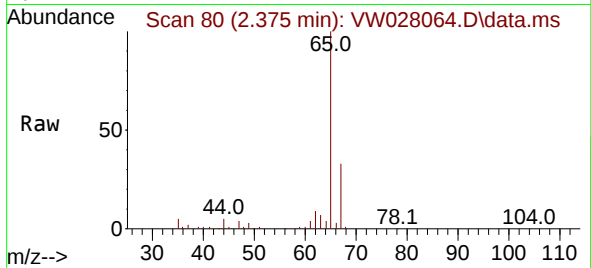
Tgt Ion: 50 Resp: 2524
Ion Ratio Lower Upper
50 100
52 31.6 24.3 45.1





#5
 Vinyl chloride
 Concen: 1.091 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW028064.D
 Acq: 26 Feb 2024 14:36

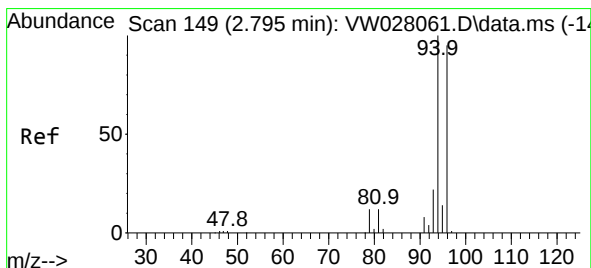
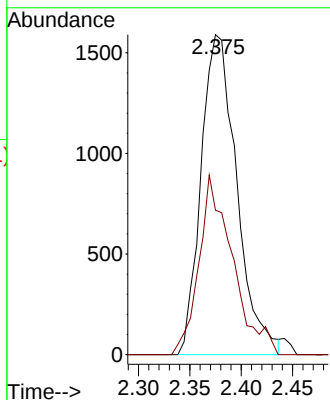
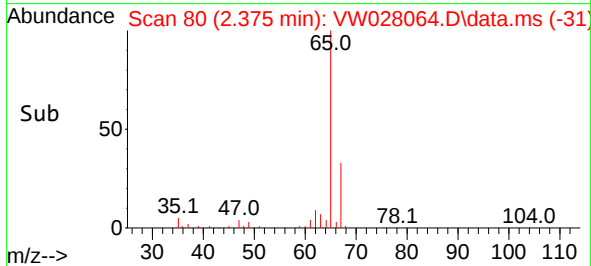
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2024-01



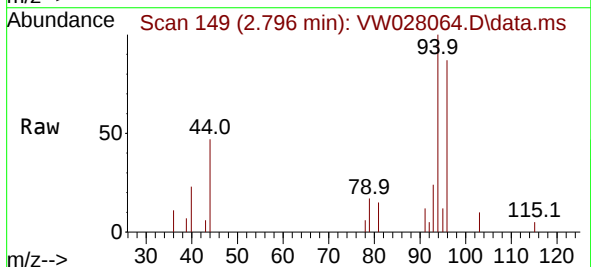
Tgt Ion: 62 Resp: 384
 Ion Ratio Lower Upper
 62 100
 64 45.2 23.0 42.6

Manual Integrations
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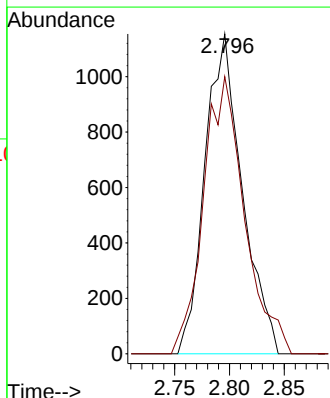
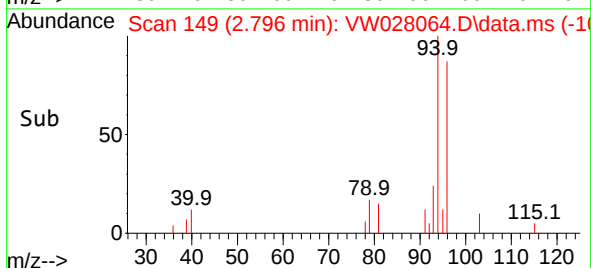
Reviewed By :Semsettin Yesilyurt 02/27/2024
 Supervised By :Mahesh Dadoda 02/27/2024

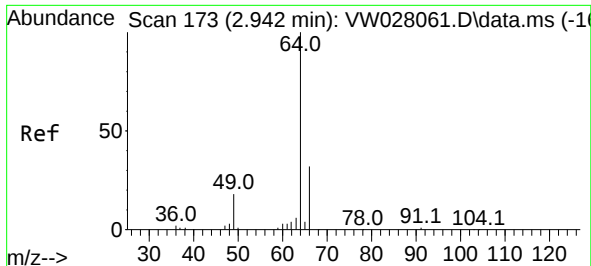


#6
 Bromomethane
 Concen: 1.098 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.000 min
 Lab File: VW028064.D
 Acq: 26 Feb 2024 14:36



Tgt Ion: 94 Resp: 2733
 Ion Ratio Lower Upper
 94 100
 96 86.7 65.3 121.3





#8

Chloroethane

Concen: 1.080 ug/L

RT: 2.942 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

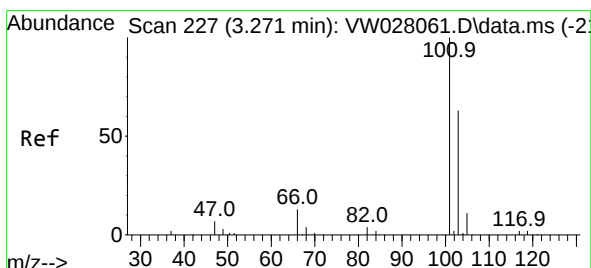
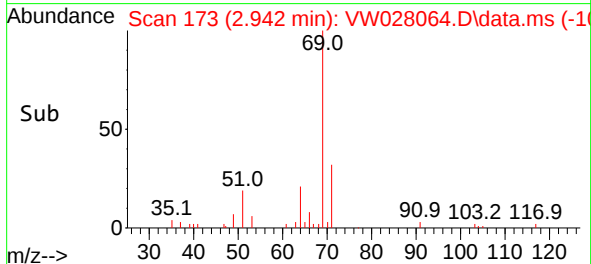
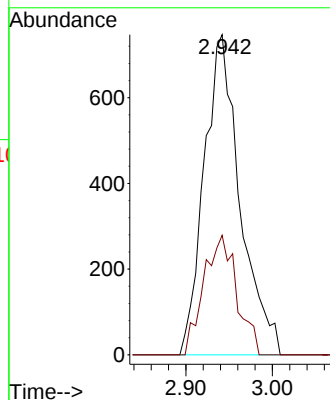
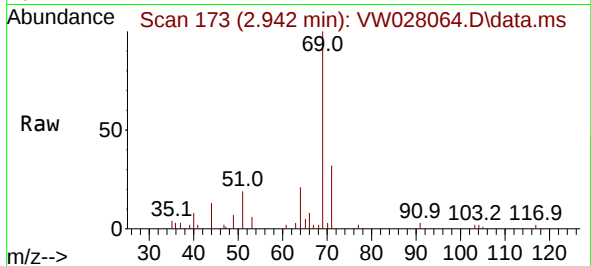
ClientSampleId :

MDL-SOIL-QT1-2024-01

Tgt Ion: 64 Resp: 2150
 Ion Ratio Lower Upper
 64 100
 66 37.3 20.9 38.7

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 Supervised By :Mahesh Dadoda 02/27/2024



#9

Trichlorofluoromethane

Concen: 0.814 ug/L

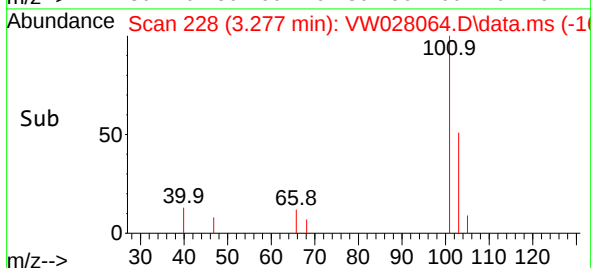
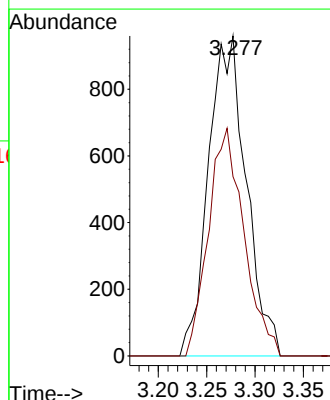
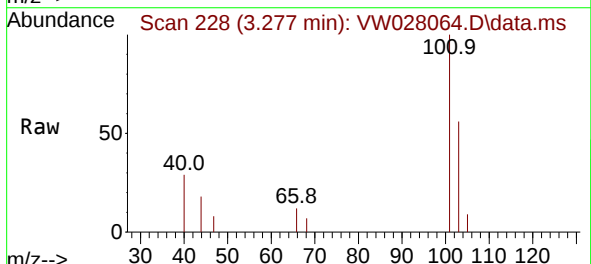
RT: 3.277 min Scan# 228

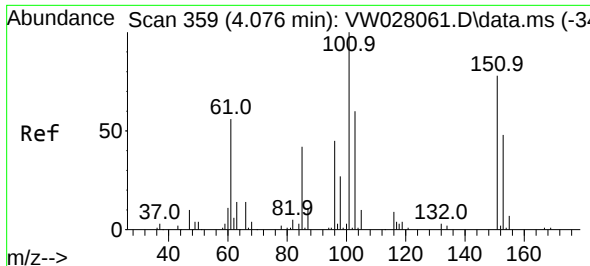
Delta R.T. 0.006 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Tgt Ion:101 Resp: 2605
 Ion Ratio Lower Upper
 101 100
 103 67.0 51.6 77.4





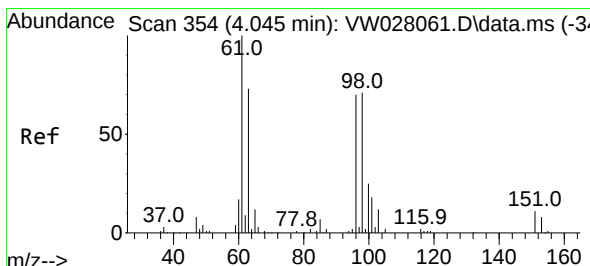
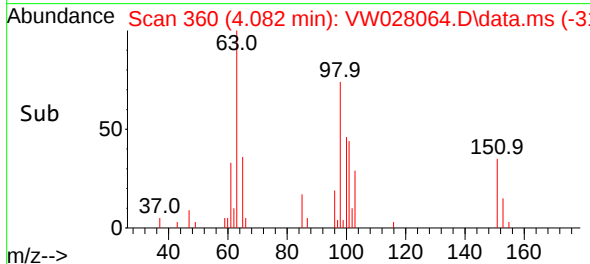
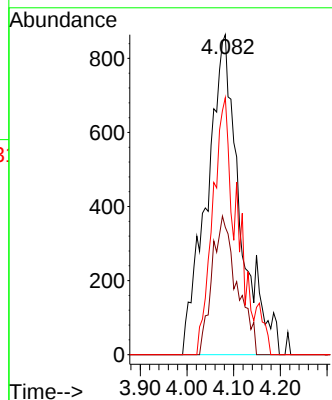
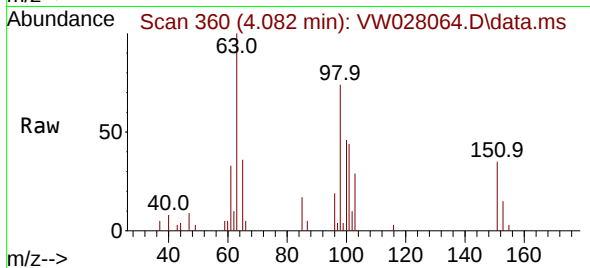
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.321 ug/L m
RT: 4.082 min Scan# 359
Delta R.T. 0.006 min
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Tgt Ion: 101 Resp: 426
Ion Ratio Lower Upper
101 100
85 23.5 33.8 50.6
151 43.3 62.6 93.8

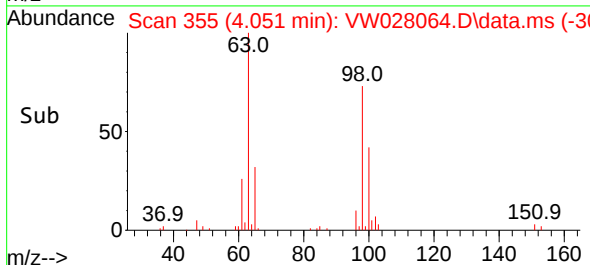
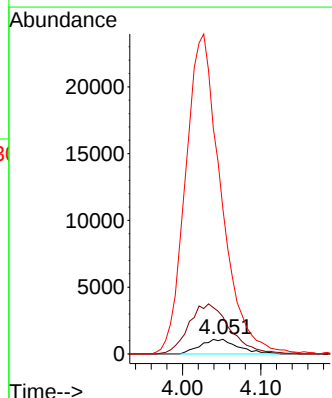
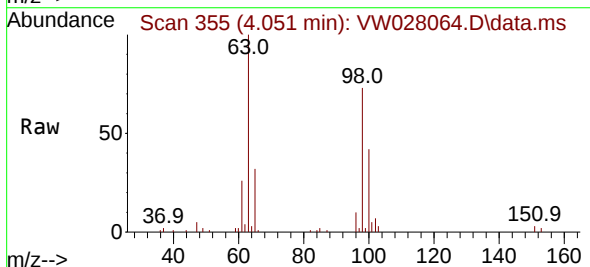
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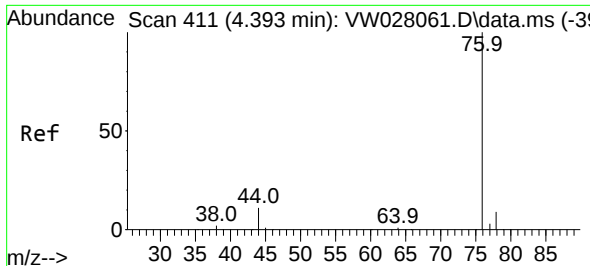
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#12
1,1-Dichloroethene
Concen: 1.225 ug/L
RT: 4.051 min Scan# 355
Delta R.T. 0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

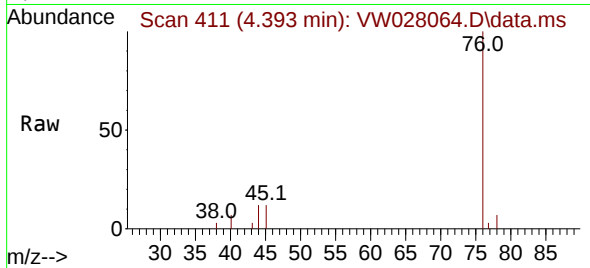
Tgt Ion: 96 Resp: 3676
Ion Ratio Lower Upper
96 100
61 251.3 107.4 199.4#
63 982.1 86.0 159.6#





#14
Carbon disulfide
Concen: 1.065 ug/L
RT: 4.393 min Scan# 411
Delta R.T. 0.000 min
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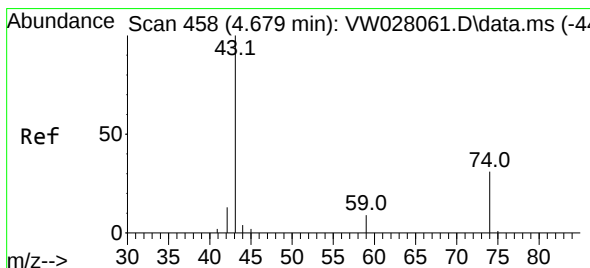
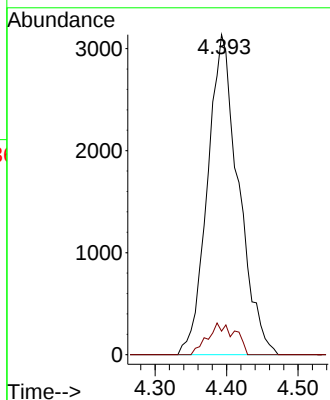
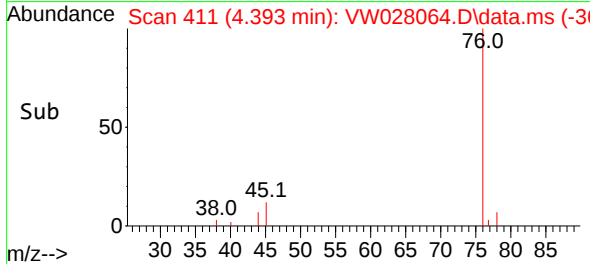
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Tgt Ion: 76 Resp: 946
Ion Ratio Lower Upper
76 100
78 7.4 7.5 11.3

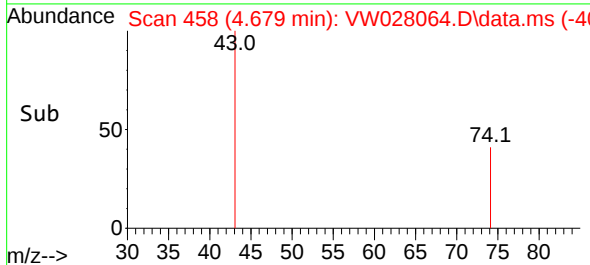
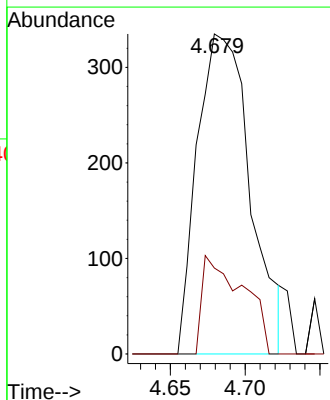
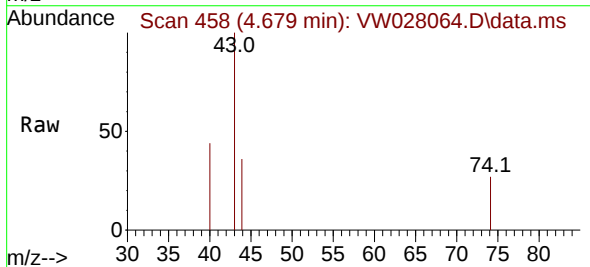
Manual Integrations
APPROVED

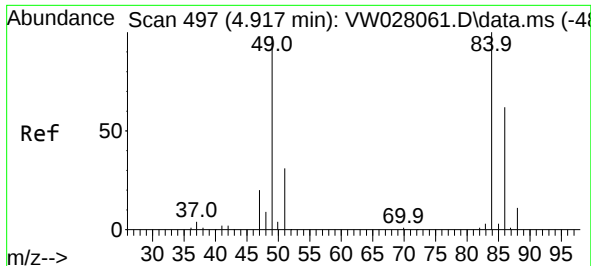
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#15
Methyl Acetate
Concen: 1.019 ug/L
RT: 4.679 min Scan# 458
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

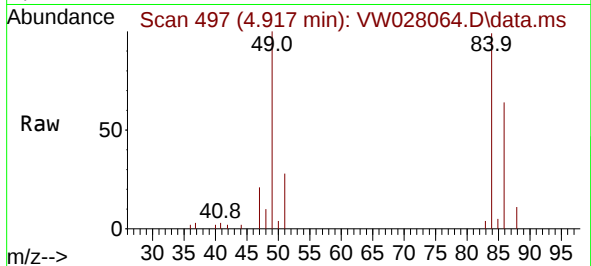
Tgt Ion: 43 Resp: 825
Ion Ratio Lower Upper
43 100
74 15.2 24.2 36.2





#16
Methylene chloride
Concen: 5.115 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

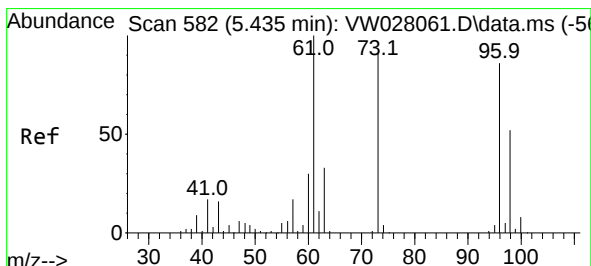
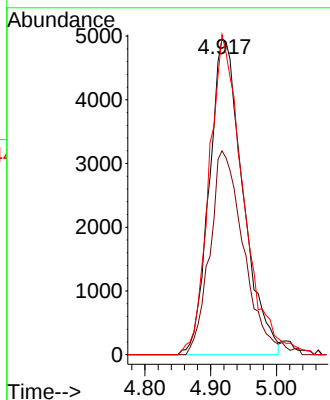
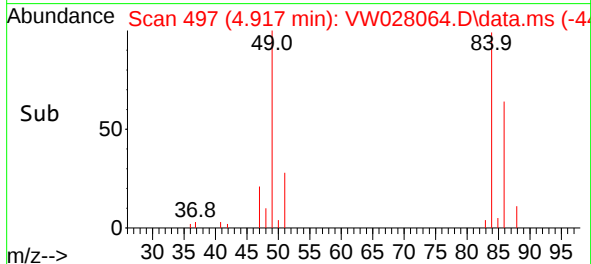
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 84 Resp: 1756
Ion Ratio Lower Upper
84 100
86 64.6 45.4 84.4
49 101.4 66.3 123.1

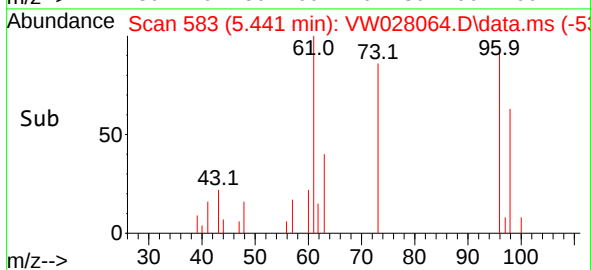
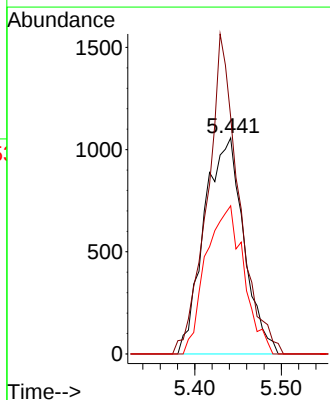
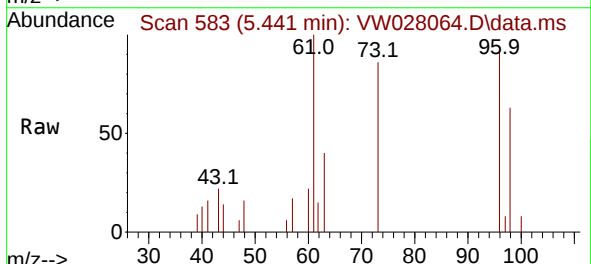
Manual Integrations
APPROVED

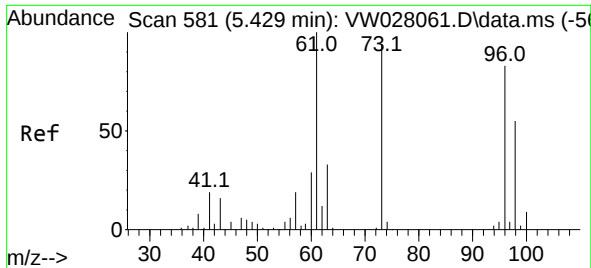
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#17
trans-1,2-Dichloroethene
Concen: 1.039 ug/L
RT: 5.441 min Scan# 583
Delta R.T. 0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Tgt Ion: 96 Resp: 3350
Ion Ratio Lower Upper
96 100
61 109.7 80.1 148.7
98 68.6 43.8 81.4





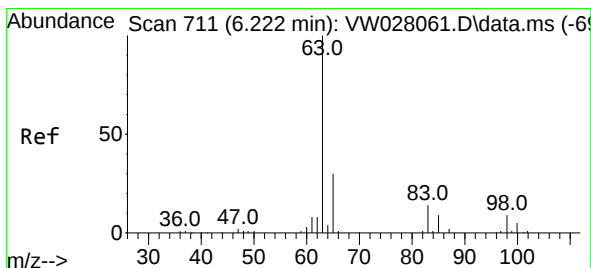
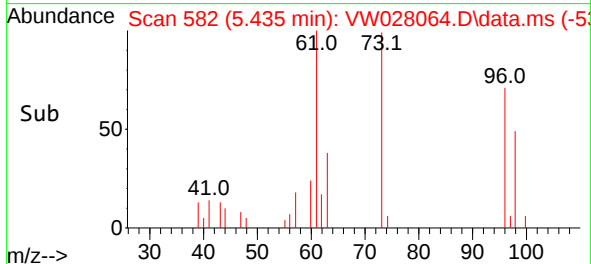
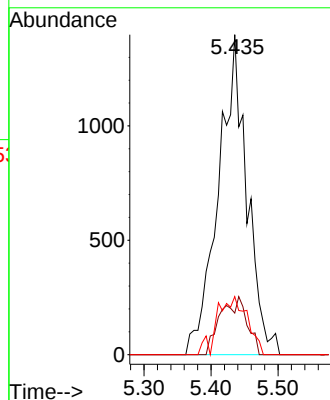
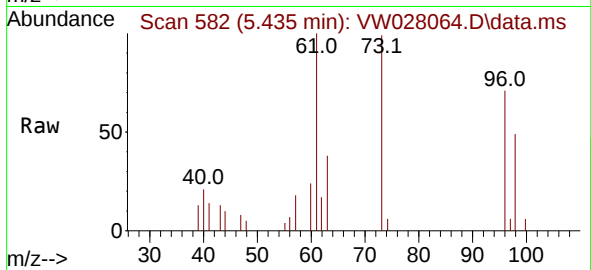
#18
Methyl tert-butyl Ether
Concen: 1.086 ug/L m
RT: 5.435 min Scan# 510
Delta R.T. 0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01

Tgt Ion: 73 Resp: 4150
Ion Ratio Lower Upper
73 100
43 6.9 13.4 20.0
57 0.0 16.3 24.5

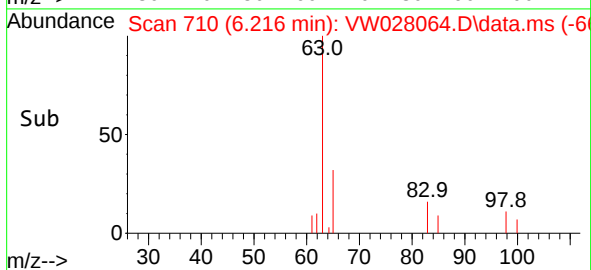
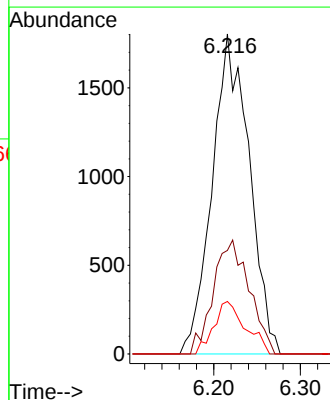
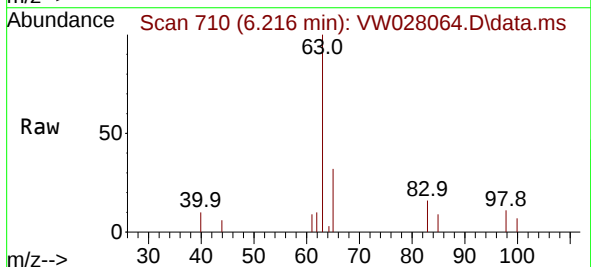
Manual Integrations
APPROVED

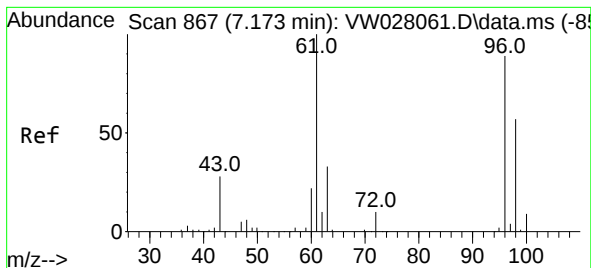
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#19
1,1-Dichloroethane
Concen: 1.021 ug/L
RT: 6.216 min Scan# 710
Delta R.T. -0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Tgt Ion: 63 Resp: 5351
Ion Ratio Lower Upper
63 100
65 32.4 23.1 42.9
83 16.4 9.9 18.3





#20

cis-1,2-Dichloroethene

Concen: 1.032 ug/L

RT: 7.173 min Scan# 867

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

ClientSampleId :

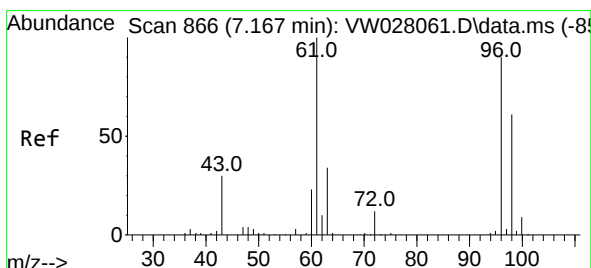
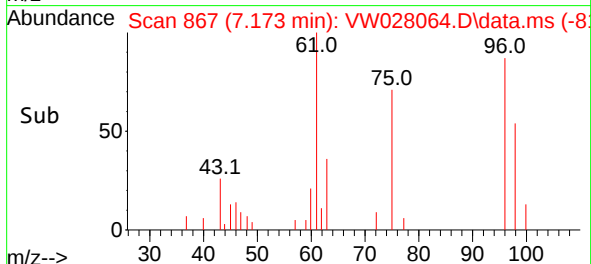
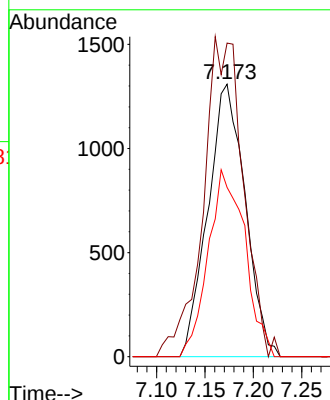
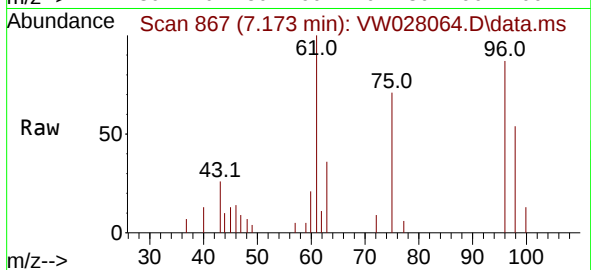
MDL-SOIL-QT1-2024-01

Tgt Ion: 96	Resp: 351
Ion Ratio	Lower Upper
96 100	
61 115.0	76.3 141.7
98 62.1	42.9 79.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#22

2-Butanone

Concen: 2.544 ug/L

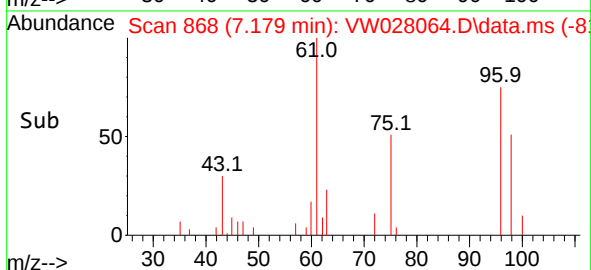
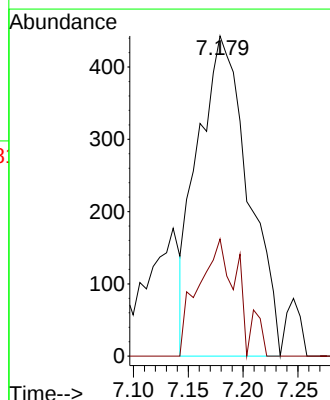
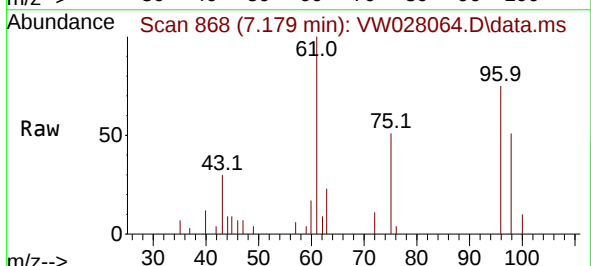
RT: 7.179 min Scan# 868

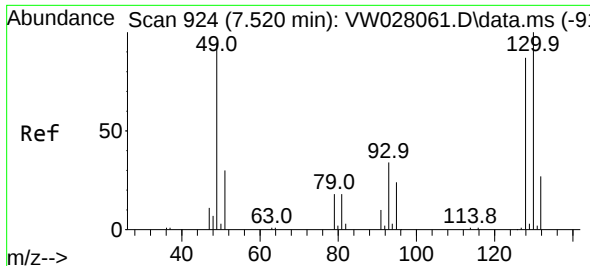
Delta R.T. 0.012 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

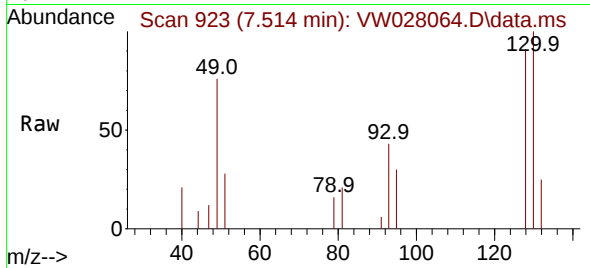
Tgt Ion: 43	Resp: 1428		
Ion Ratio	Lower	Upper	
43 100			
72 18.3	17.0	50.9	





#23
Bromochloromethane
Concen: 1.101 ug/L
RT: 7.514 min Scan# 911
Delta R.T. -0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

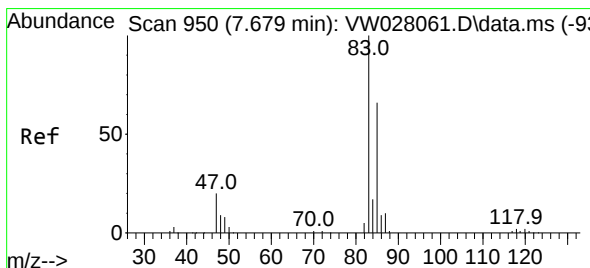
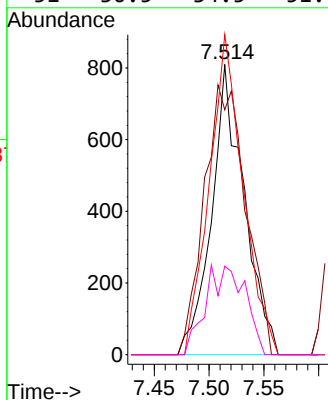
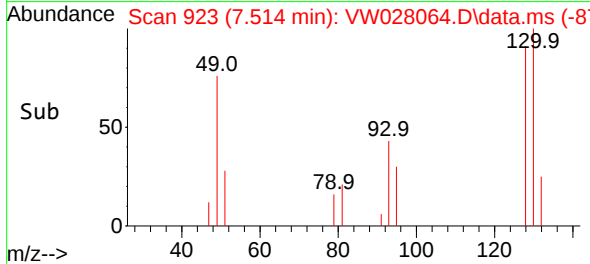
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion:128 Resp: 1660
Ion Ratio Lower Upper
128 100
49 84.3 93.2 173.2
130 110.2 97.4 180.8
51 30.5 34.5 51.7#

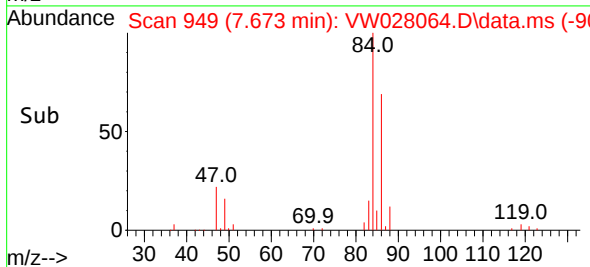
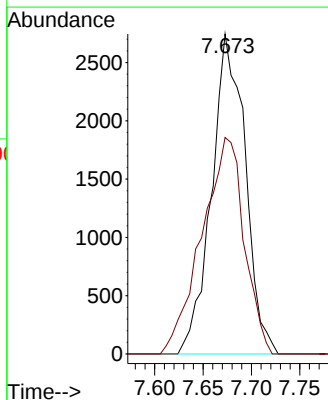
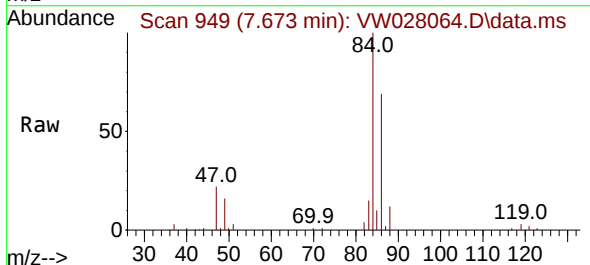
Manual Integrations
APPROVED

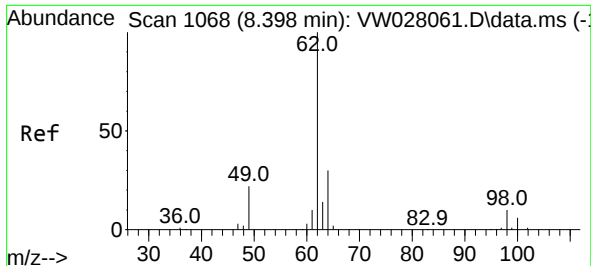
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#25
Chloroform
Concen: 1.177 ug/L
RT: 7.673 min Scan# 949
Delta R.T. -0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Tgt Ion: 83 Resp: 6628
Ion Ratio Lower Upper
83 100
85 67.7 46.6 86.6





#27

1,2-Dichloroethane

Concen: 1.211 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

ClientSampleId :

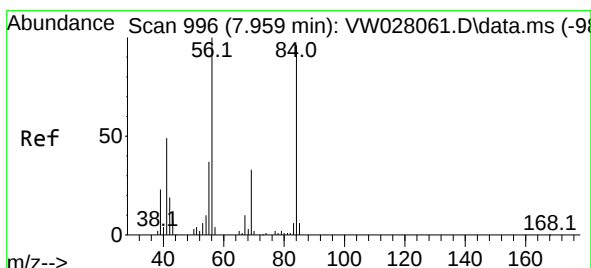
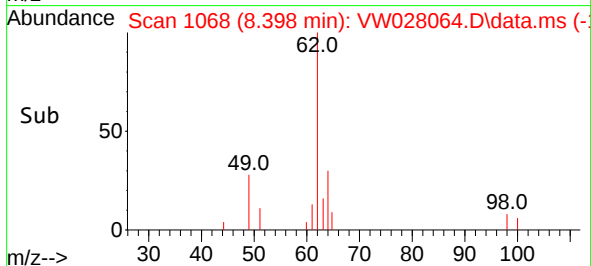
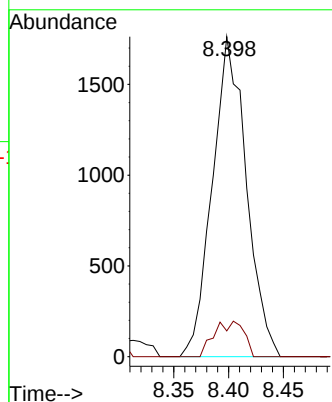
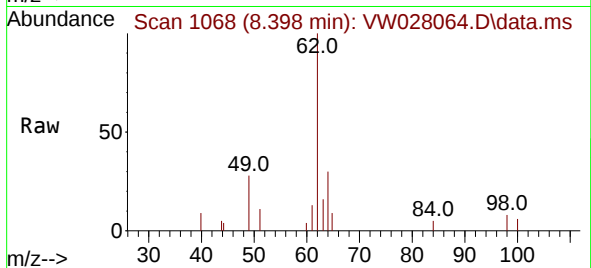
MDL-SOIL-QT1-2024-01

Tgt Ion: 62 Resp: 379
 Ion Ratio Lower Upper
 62 100
 98 8.1 9.4 14.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/27/2024
 Supervised By :Mahesh Dadoda 02/27/2024



#29

Cyclohexane

Concen: 0.909 ug/L

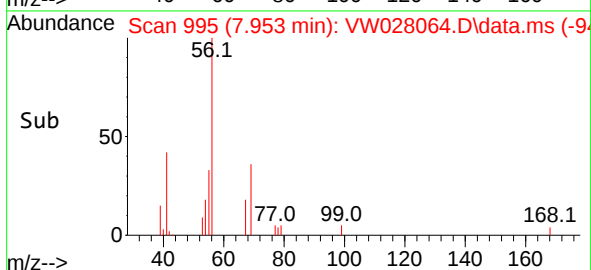
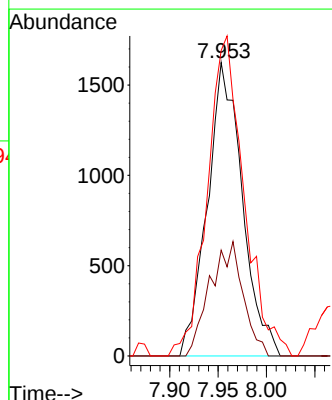
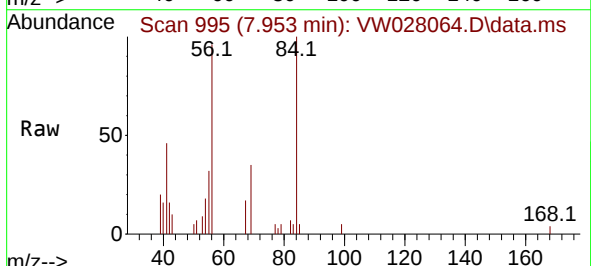
RT: 7.953 min Scan# 995

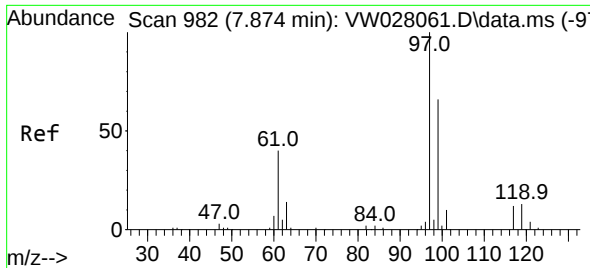
Delta R.T. -0.006 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Tgt Ion: 56 Resp: 4076
 Ion Ratio Lower Upper
 56 100
 69 36.9 26.3 39.5
 84 111.8 81.6 122.4





#30

1,1,1-Trichloroethane

Concen: 1.110 ug/L

RT: 7.874 min Scan# 9

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2024-01

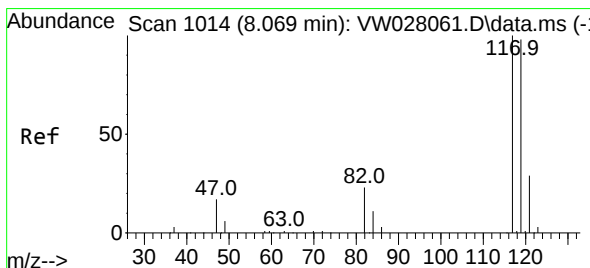
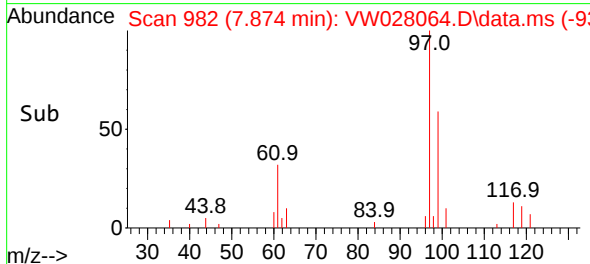
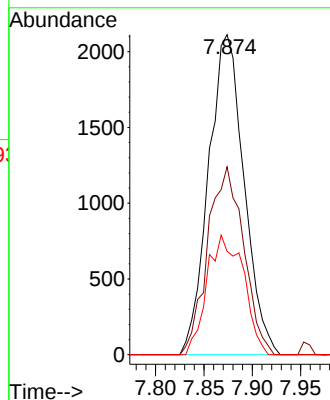
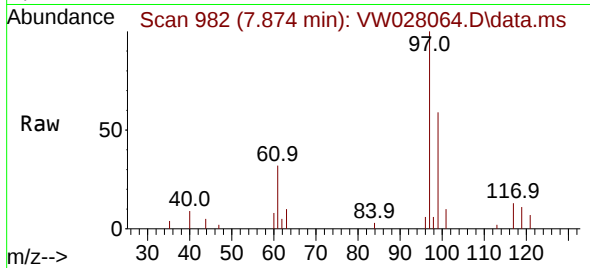
Tgt Ion: 97	Resp: 538
Ion Ratio	Lower Upper
97 100	
99 59.5	51.4 77.0
61 27.0	32.9 49.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/27/2024

Supervised By :Mahesh Dadoda 02/27/2024



#31

Carbon tetrachloride

Concen: 1.065 ug/L

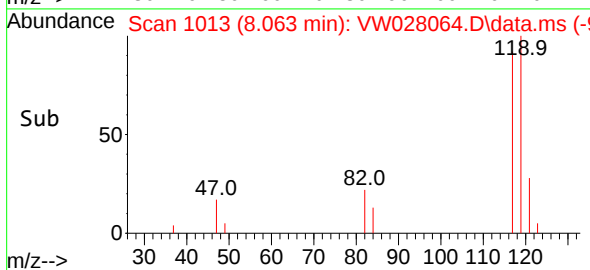
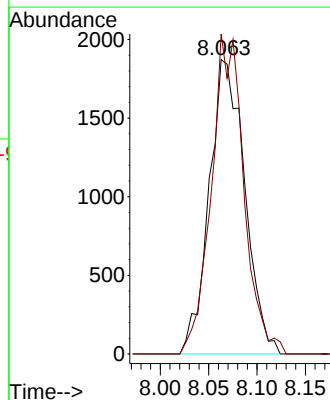
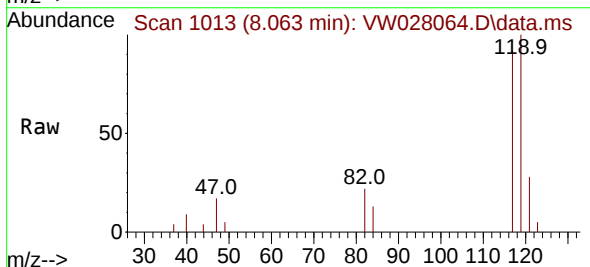
RT: 8.063 min Scan# 1013

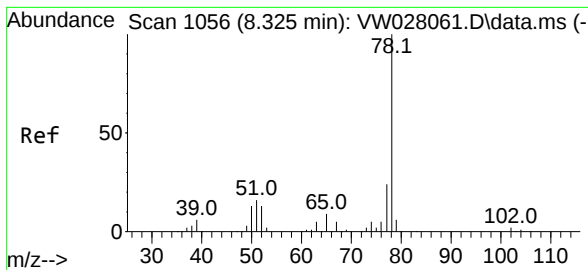
Delta R.T. -0.006 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Tgt Ion: 117	Resp: 4782
Ion Ratio	Lower Upper
117 100	
119 97.9	76.5 114.7





#33

Benzene

Concen: 1.088 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

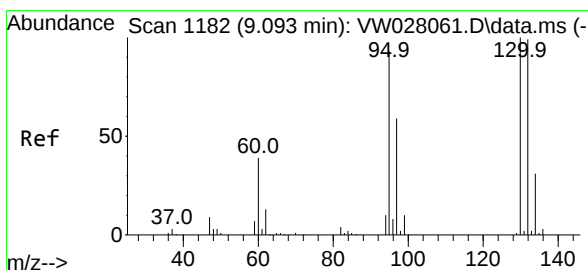
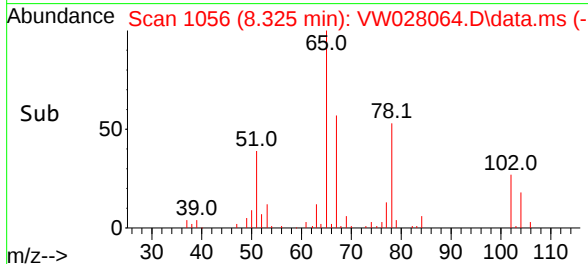
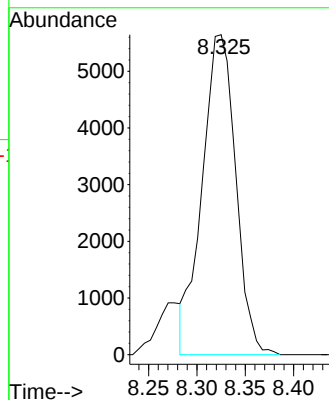
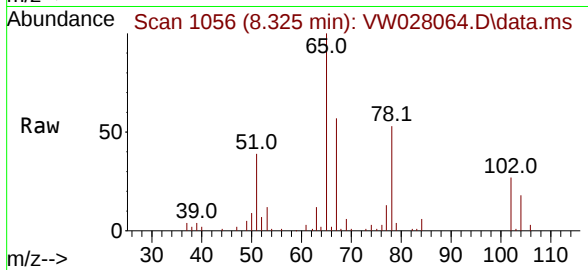
ClientSampleId :

MDL-SOIL-QT1-2024-01

Tgt Ion: 78 Resp: 1366

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#34

Trichloroethene

Concen: 0.981 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Tgt Ion: 95 Resp: 3538

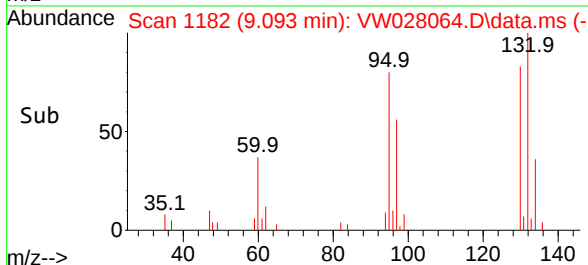
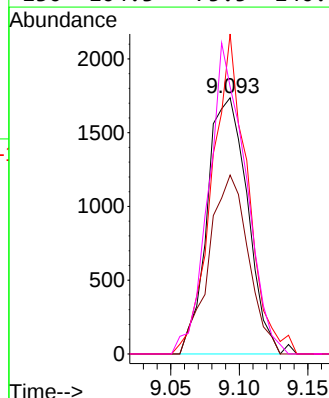
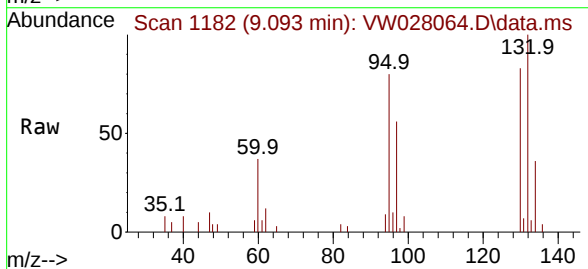
Ion Ratio Lower Upper

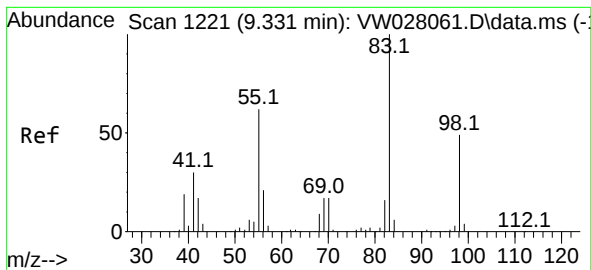
95 100

97 69.9 44.3 82.3

132 124.9 68.0 126.2

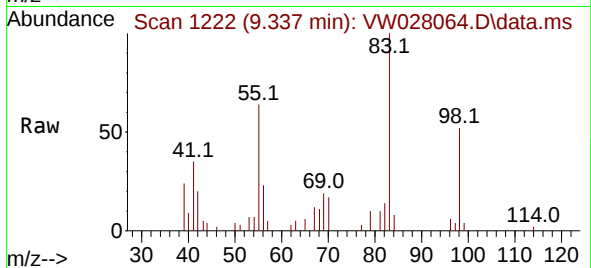
130 104.3 75.5 140.3





#35
Methylcyclohexane
Concen: 0.986 ug/L
RT: 9.337 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

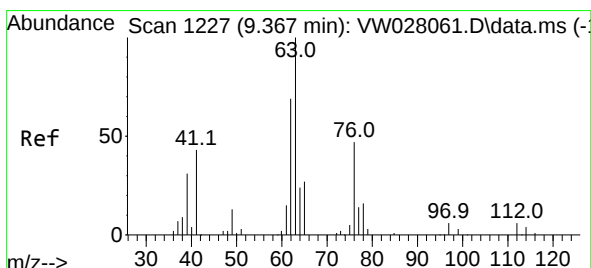
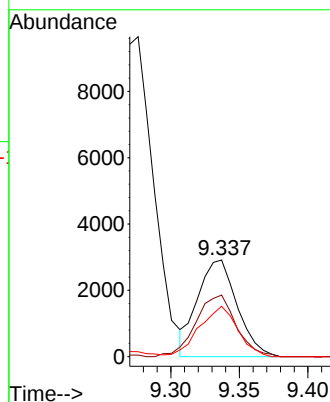
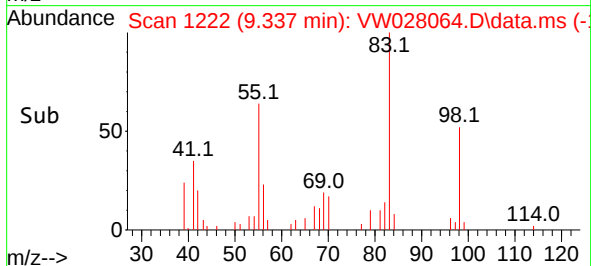
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 83 Resp: 585
Ion Ratio Lower Upper
83 100
55 64.8 52.3 78.5
98 50.4 41.9 62.9

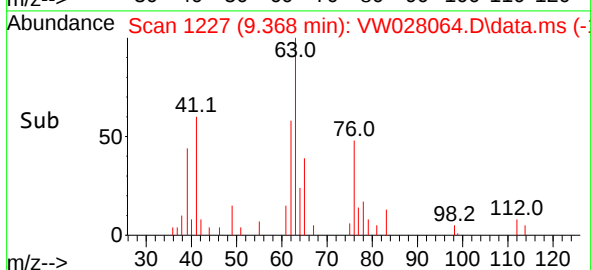
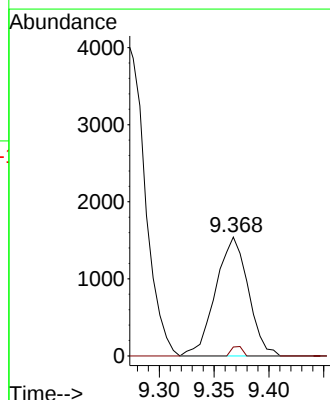
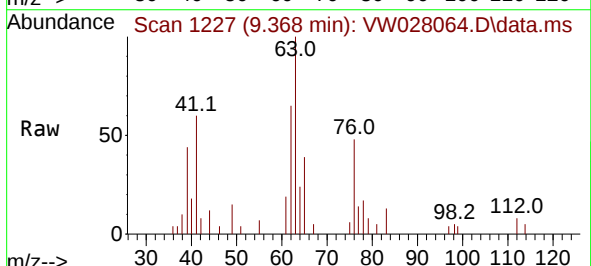
Manual Integrations
APPROVED

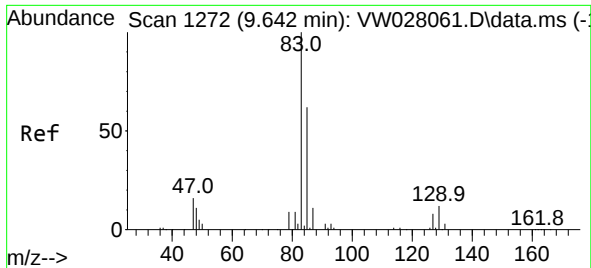
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#37
1,2-Dichloropropane
Concen: 1.082 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

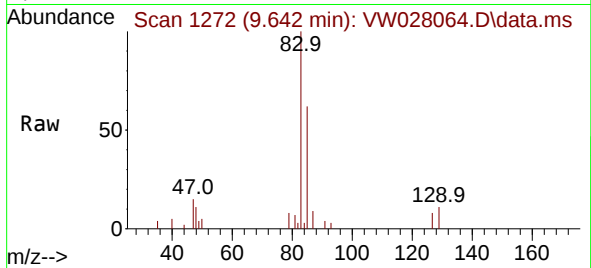
Tgt Ion: 63 Resp: 3193
Ion Ratio Lower Upper
63 100
112 2.7 4.2 6.2#





#38
Bromodichloromethane
Concen: 1.128 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

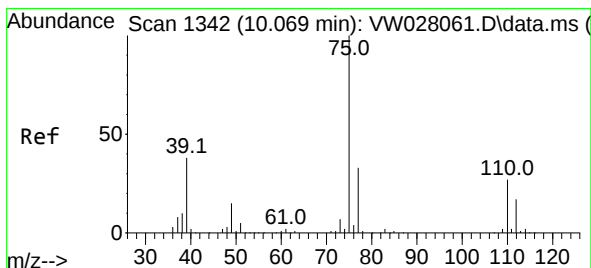
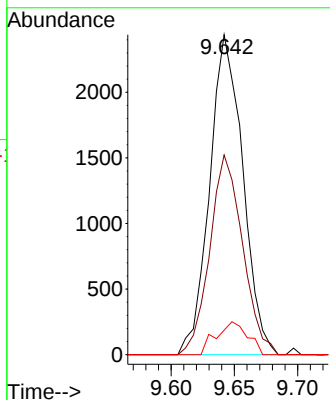
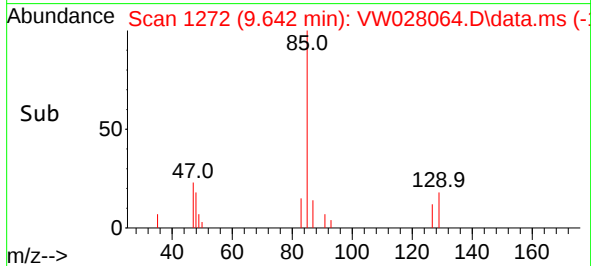
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 83 Resp: 444
Ion Ratio Lower Upper
83 100
85 62.4 44.7 83.1
127 7.7 7.1 10.7

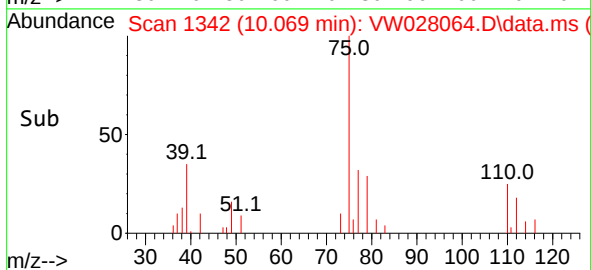
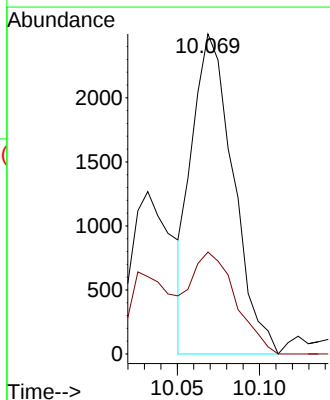
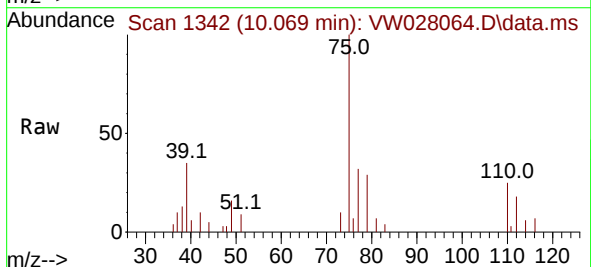
Manual Integrations
APPROVED

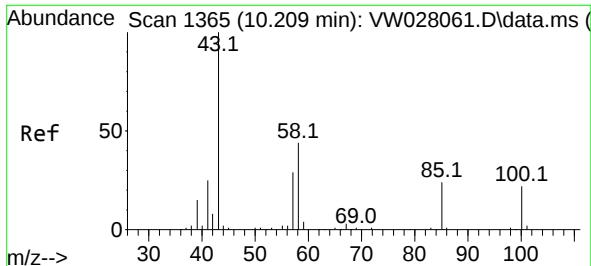
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#39
cis-1,3-Dichloropropene
Concen: 0.923 ug/L
RT: 10.069 min Scan# 1342
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Tgt Ion: 75 Resp: 4369
Ion Ratio Lower Upper
75 100
77 31.9 22.4 41.6





#40

4-Methyl-2-pentanone

Concen: 2.204 ug/L

RT: 10.209 min Scan# 1365

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2024-01

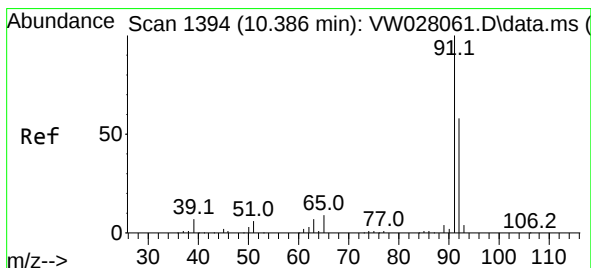
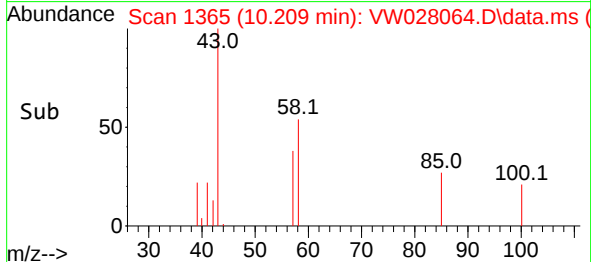
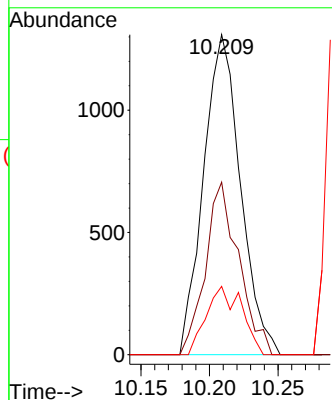
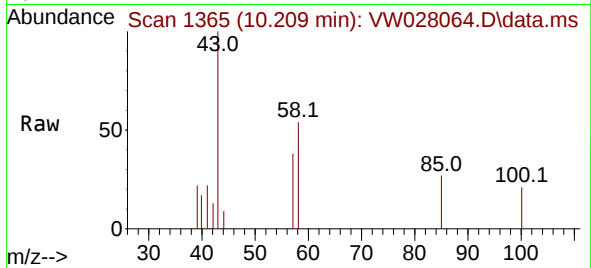
Tgt Ion: 43	Resp: 2450
Ion Ratio	Lower Upper
43	100
58	48.5 36.7 55.1
100	20.5 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2024

Supervised By :Mahesh Dadoda 02/27/2024



#42

Toluene

Concen: 1.051 ug/L

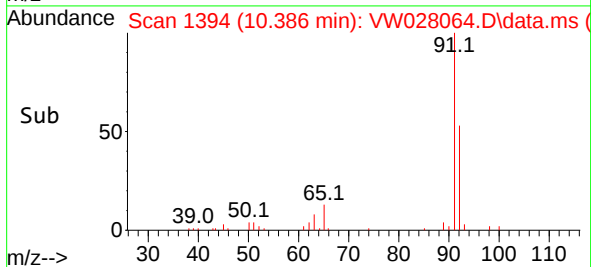
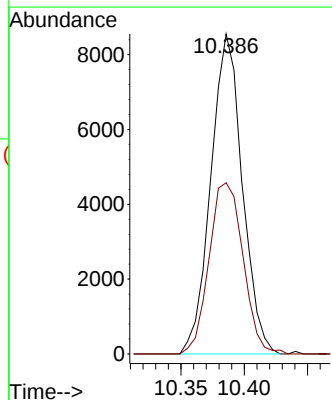
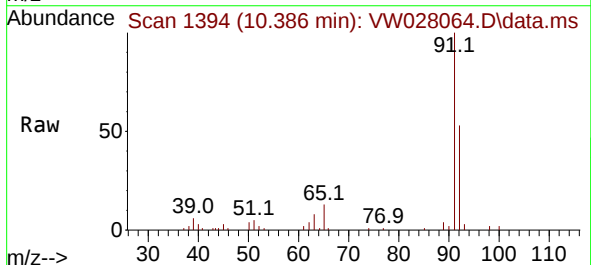
RT: 10.386 min Scan# 1394

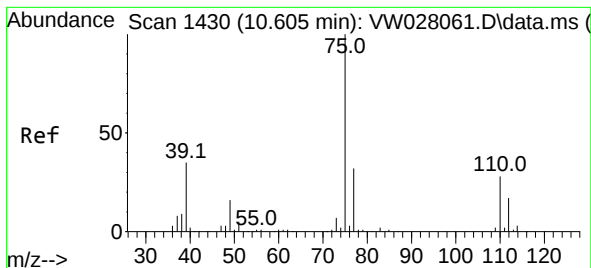
Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Tgt Ion: 91	Resp: 14800
Ion Ratio	Lower Upper
91	100
92	53.5 38.8 72.0





#44

trans-1,3-Dichloropropene

Concen: 0.997 ug/L m

RT: 10.599 min Scan# 14

Delta R.T. -0.006 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

ClientSampleId :

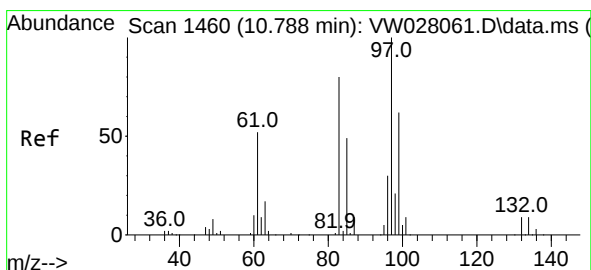
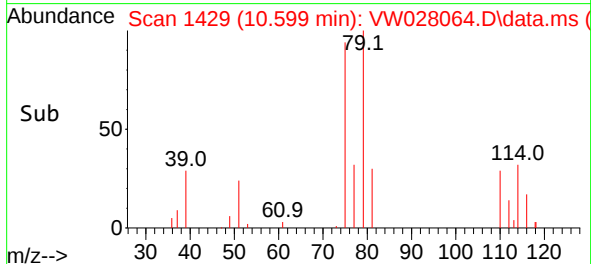
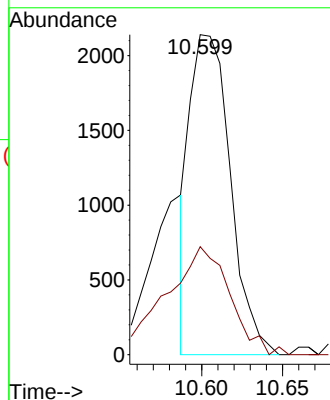
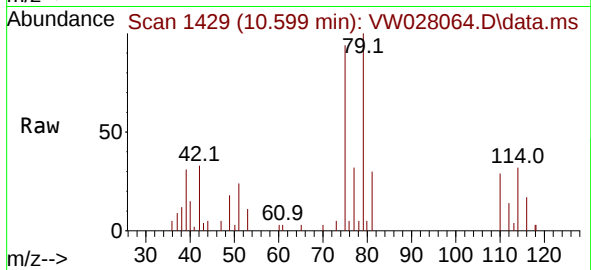
MDL-SOIL-QT1-2024-01

Tgt Ion: 75 Resp: 374
 Ion Ratio Lower Upper
 75 100
 77 33.7 21.5 39.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2024
 Supervised By :Mahesh Dadoda 02/27/2024



#45

1,1,2-Trichloroethane

Concen: 1.190 ug/L

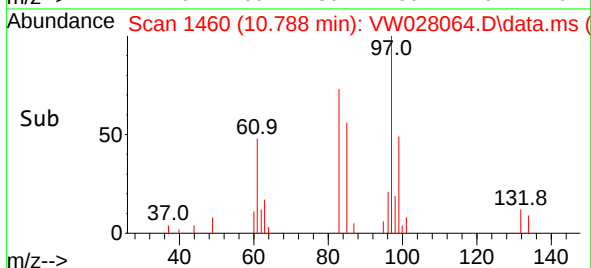
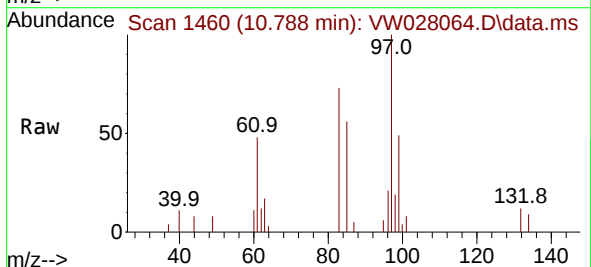
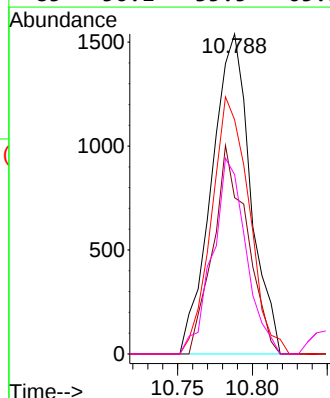
RT: 10.788 min Scan# 1460

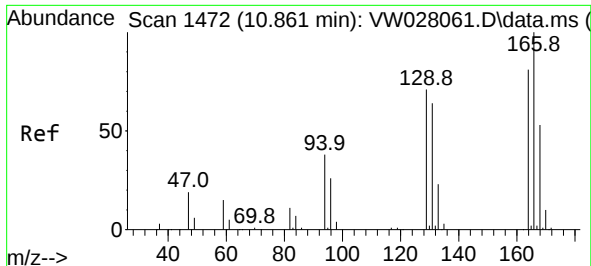
Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

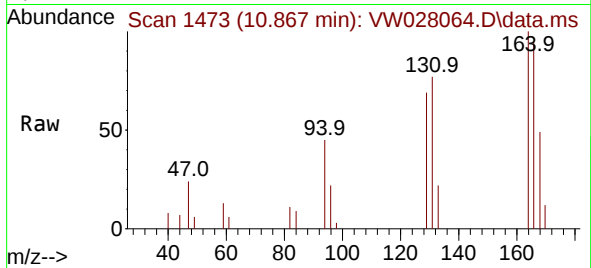
Tgt Ion: 97 Resp: 2780
 Ion Ratio Lower Upper
 97 100
 99 48.9 43.3 80.5
 83 73.2 57.2 106.2
 85 56.1 35.5 65.9





#46
Tetrachloroethene
Concen: 1.117 ug/L
RT: 10.867 min Scan# 1473
Delta R.T. 0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

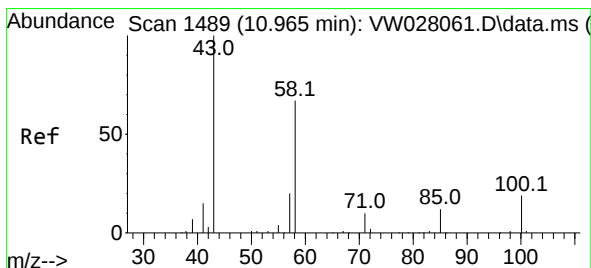
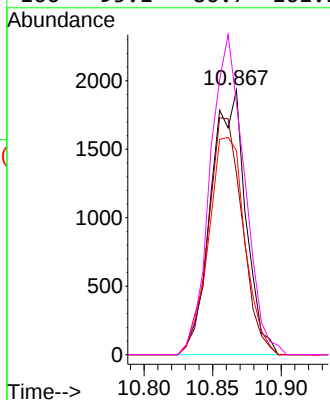
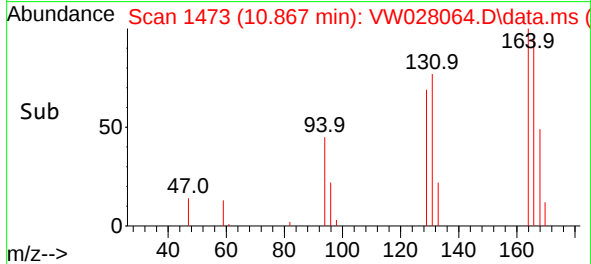
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



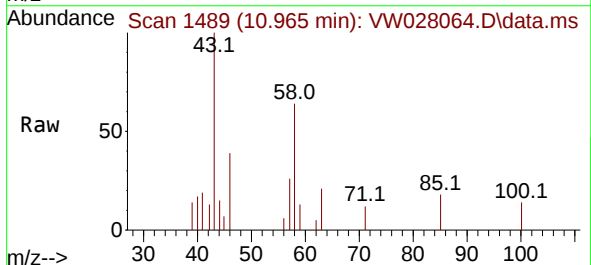
Tgt Ion:164 Resp: 338
Ion Ratio Lower Upper
164 100
129 68.5 59.4 110.2
131 77.2 65.0 120.6
166 95.1 86.7 161.1

Manual Integrations
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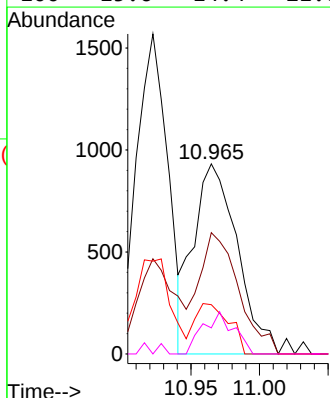
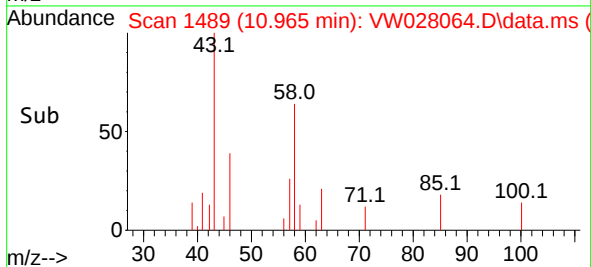
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024

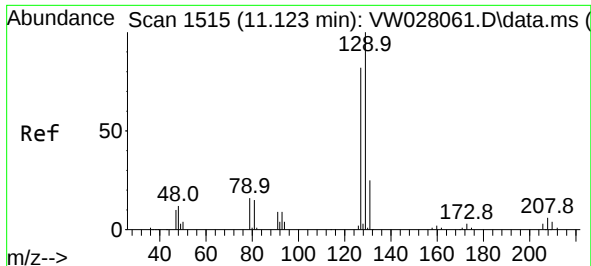


#48
2-Hexanone
Concen: 2.458 ug/L
RT: 10.965 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36



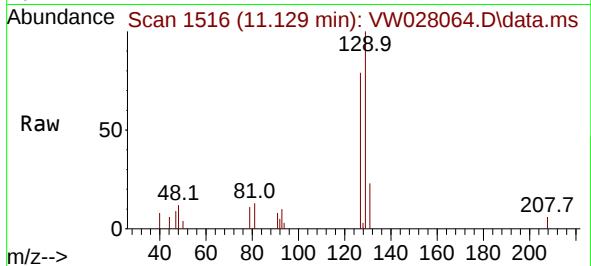
Tgt Ion: 43 Resp: 2074
Ion Ratio Lower Upper
43 100
58 57.3 51.4 77.2
57 20.5 17.4 26.2
100 15.6 14.4 21.6





#49
Dibromochloromethane
Concen: 1.117 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

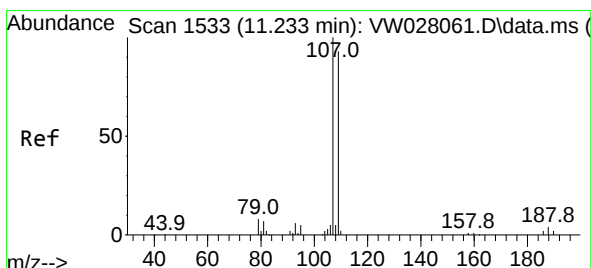
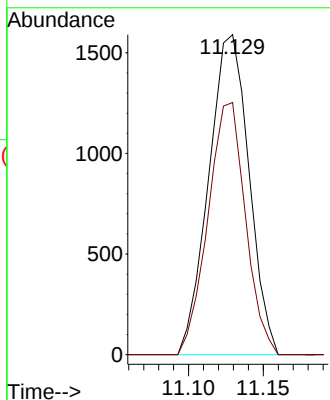
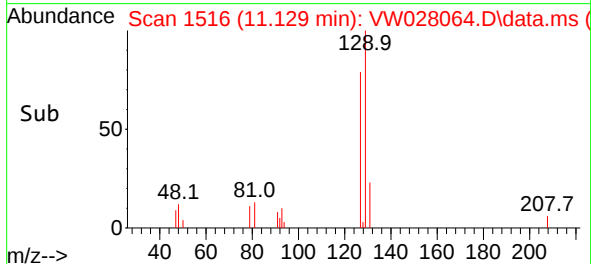
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



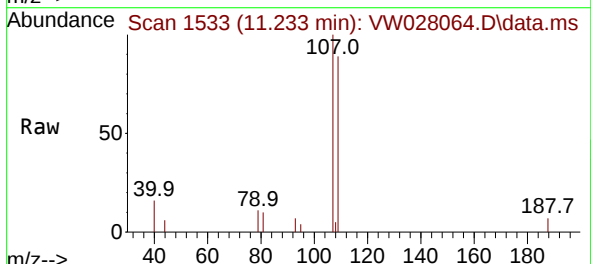
Tgt Ion:129 Resp: 2970
Ion Ratio Lower Upper
129 100
127 78.8 49.6 92.0

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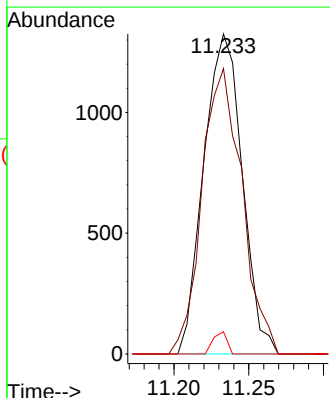
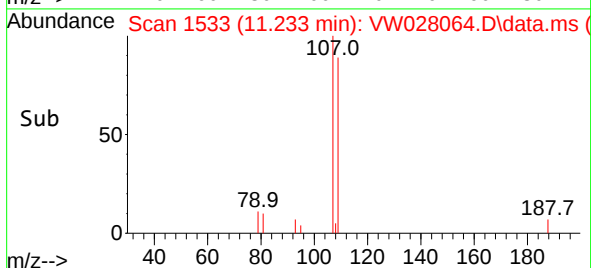
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024

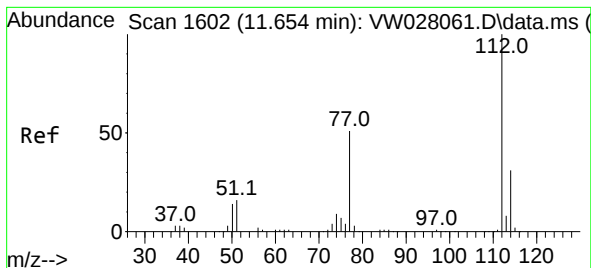


#50
1,2-Dibromoethane
Concen: 1.087 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36



Tgt Ion:107 Resp: 2370
Ion Ratio Lower Upper
107 100
109 89.1 71.2 132.2
188 6.9 3.1 4.7#





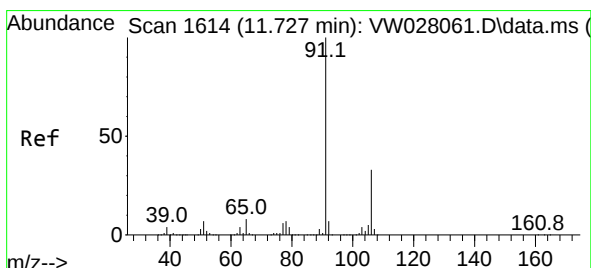
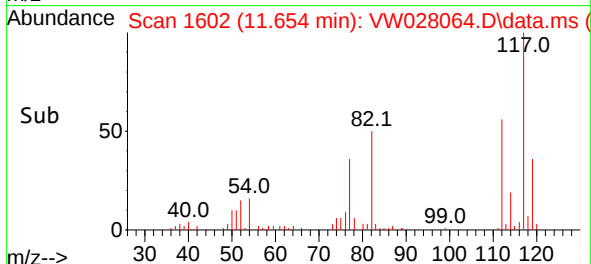
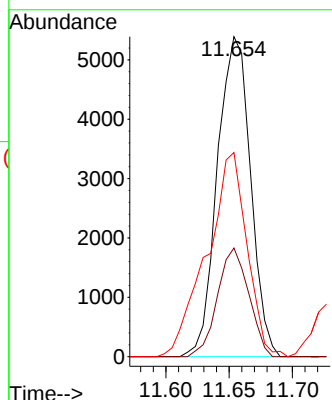
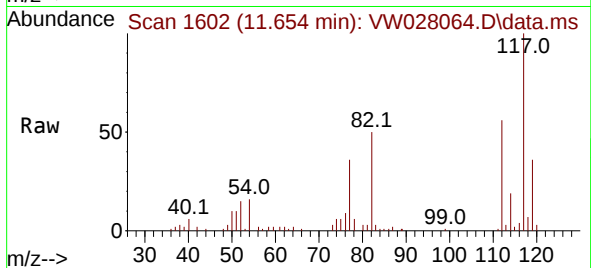
#51
Chlorobenzene
Concen: 1.050 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01

Tgt Ion:112 Resp: 9839
Ion Ratio Lower Upper
112 100
114 33.9 22.7 42.3
77 63.8 42.6 64.0

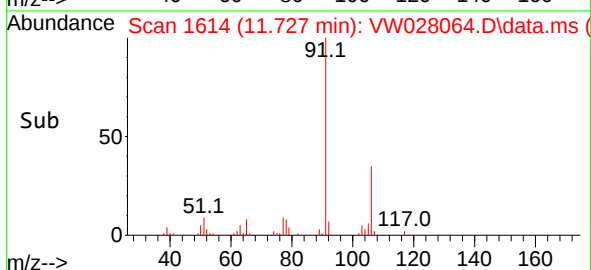
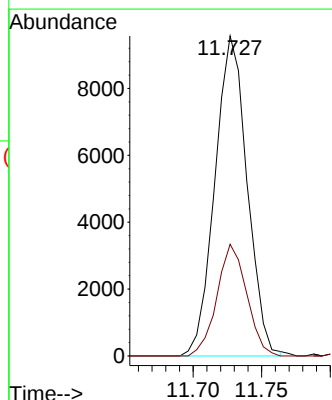
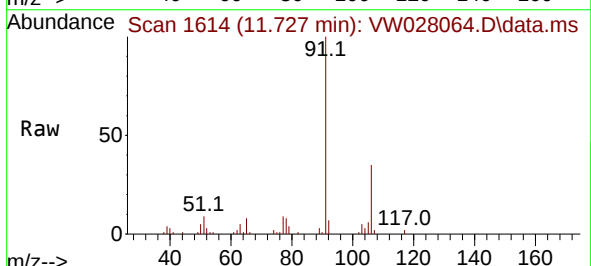
Manual Integrations
APPROVED

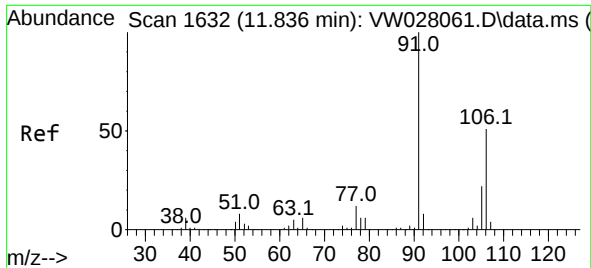
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#52
Ethylbenzene
Concen: 0.985 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Tgt Ion: 91 Resp: 15642
Ion Ratio Lower Upper
91 100
106 34.9 22.8 42.4





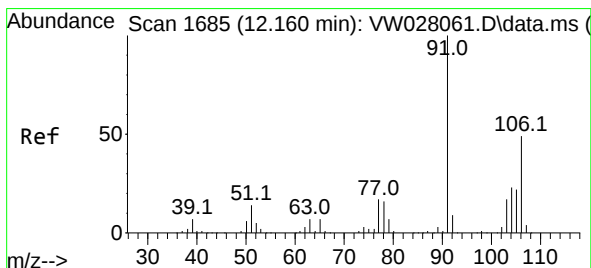
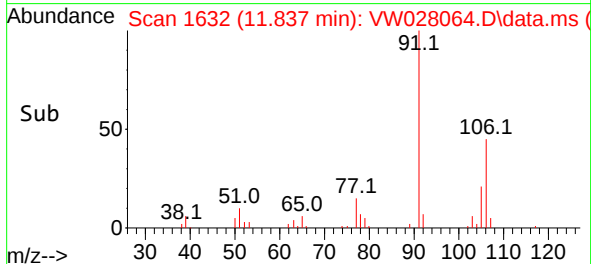
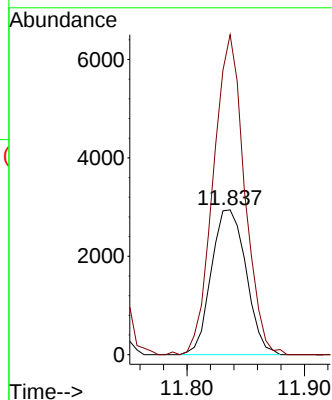
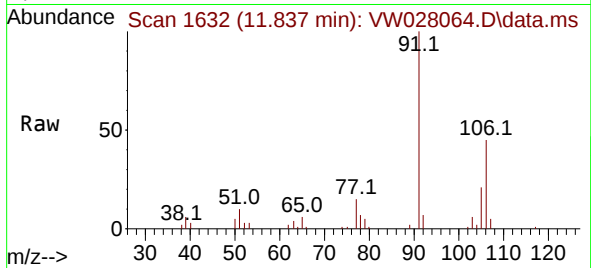
#53
m,p-Xylene
Concen: 0.972 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01

Tgt Ion:106 Resp: 605
Ion Ratio Lower Upper
106 100
91 220.9 130.0 241.4

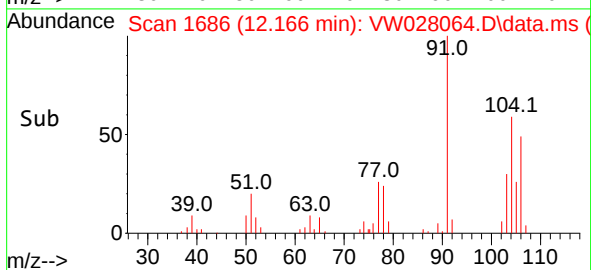
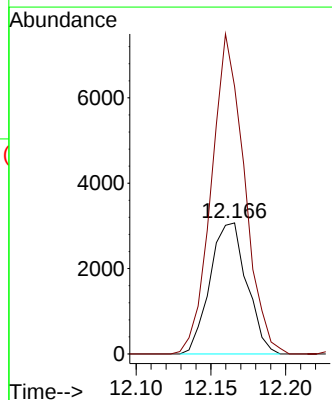
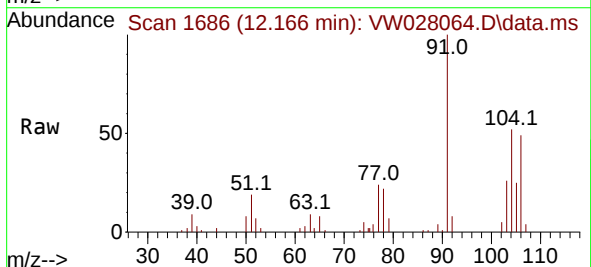
Manual Integrations
APPROVED

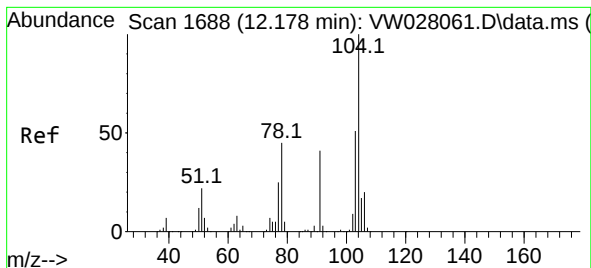
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#54
o-Xylene
Concen: 0.901 ug/L
RT: 12.166 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

Tgt Ion:106 Resp: 5264
Ion Ratio Lower Upper
106 100
91 204.1 146.4 272.0





#55

Styrene

Concen: 0.910 ug/L

RT: 12.178 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2024-01

Tgt Ion:104 Resp: 8850

Ion Ratio Lower Upper

104 100

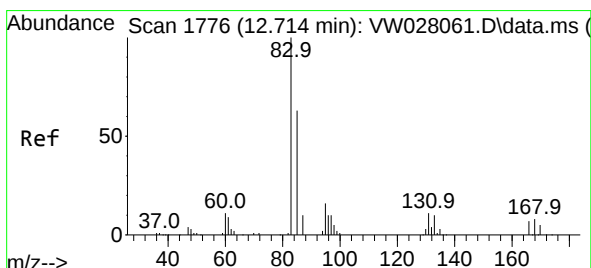
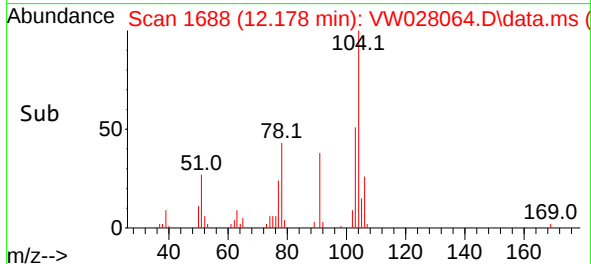
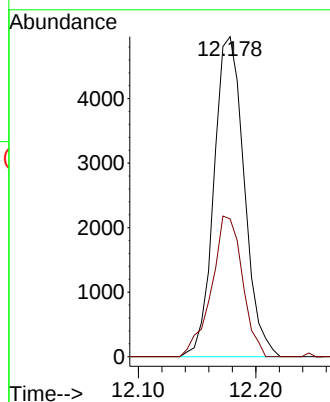
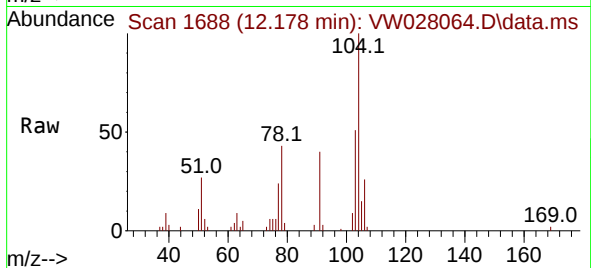
78 43.1 28.3 52.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2024

Supervised By :Mahesh Dadoda 02/27/2024



#57

1,1,2,2-Tetrachloroethane

Concen: 1.170 ug/L

RT: 12.708 min Scan# 1775

Delta R.T. -0.006 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

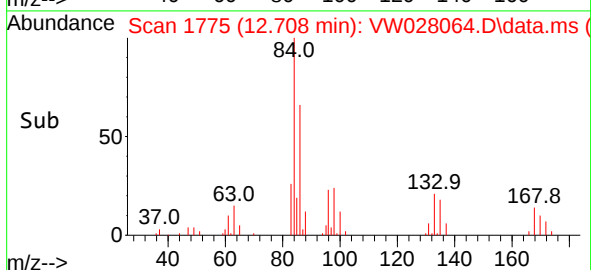
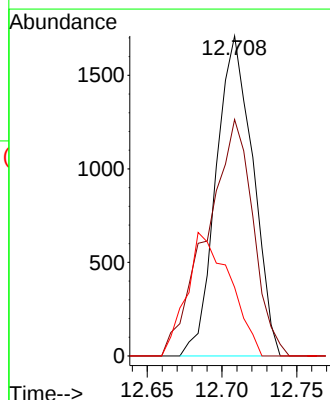
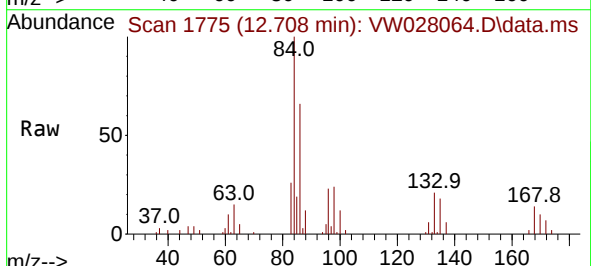
Tgt Ion: 83 Resp: 2926

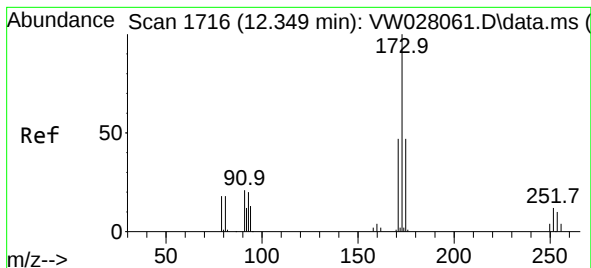
Ion Ratio Lower Upper

83 100

85 73.9 42.9 79.7

131 21.5 8.7 13.1#





#59

Bromoform

Concen: 1.032 ug/L

RT: 12.355 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

ClientSampleId :

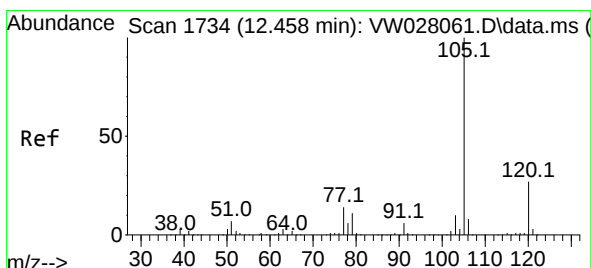
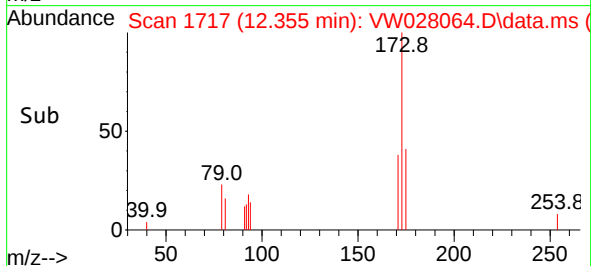
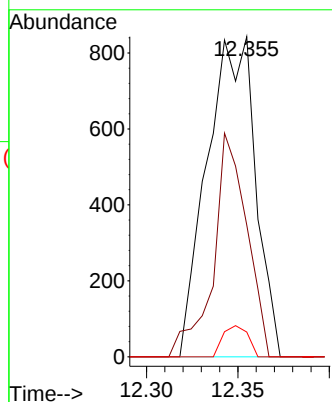
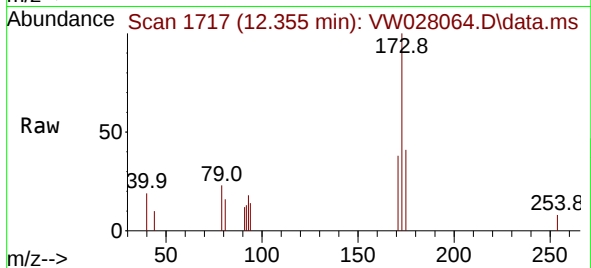
MDL-SOIL-QT1-2024-01

Tgt Ion:	173	Resp:	1549
Ion	Ratio	Lower	Upper
173	100		
175	48.4	37.8	56.8
254	5.0	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#60

Isopropylbenzene

Concen: 0.896 ug/L

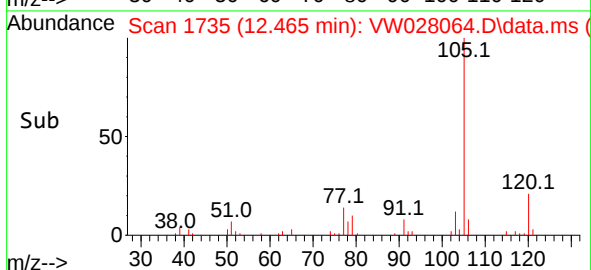
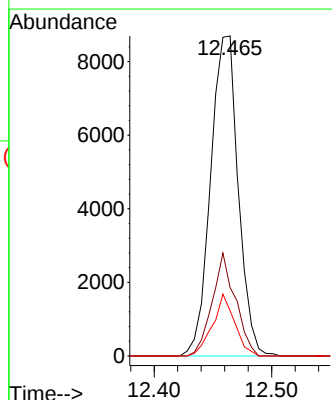
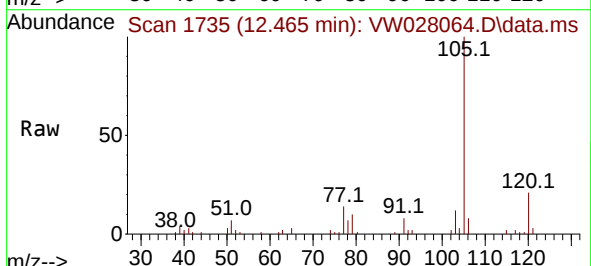
RT: 12.465 min Scan# 1735

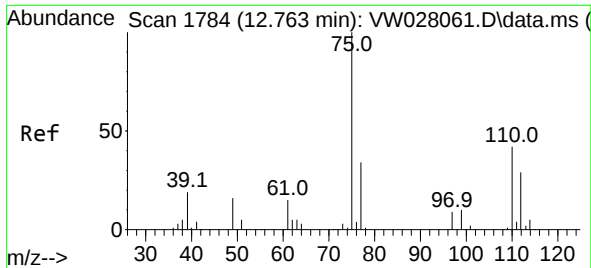
Delta R.T. 0.006 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

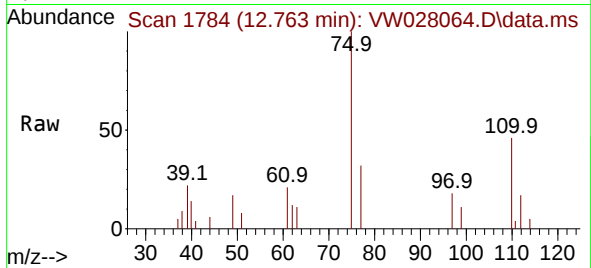
Tgt Ion:	105	Resp:	14222
Ion	Ratio	Lower	Upper
105	100		
120	27.0	22.2	33.2
77	15.4	11.8	17.6





#61
1,2,3-Trichloropropane
Concen: 1.168 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

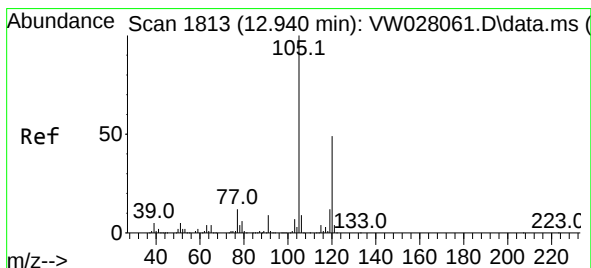
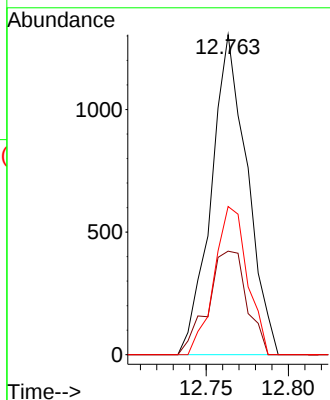
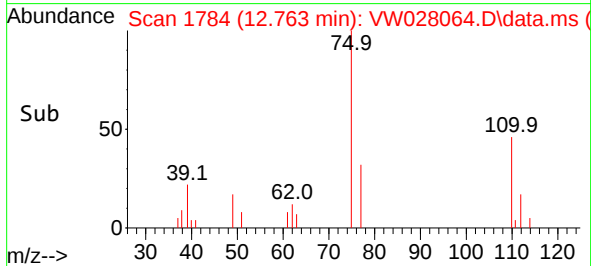
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



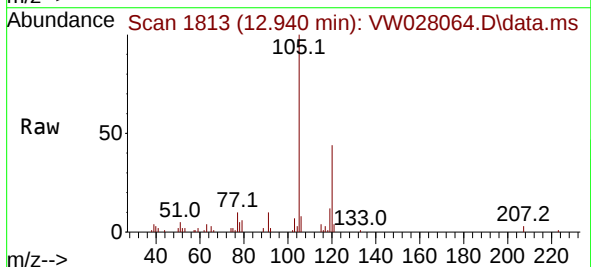
Tgt Ion: 75 Resp: 198
Ion Ratio Lower Upper
75 100
77 35.0 26.5 39.7
110 42.6 35.8 53.8

Manual Integrations
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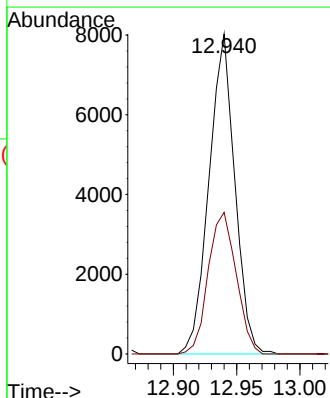
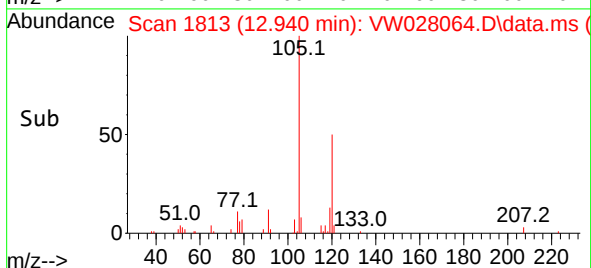
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024

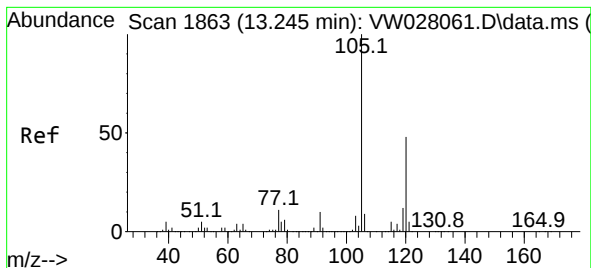


#62
1,3,5-Trimethylbenzene
Concen: 0.898 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36



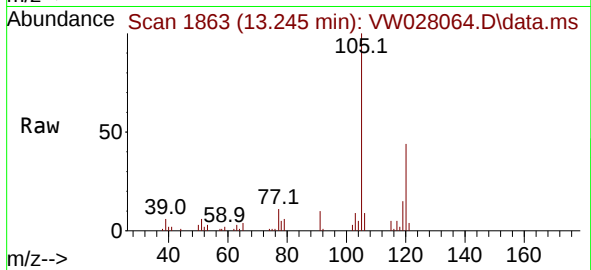
Tgt Ion:105 Resp: 11409
Ion Ratio Lower Upper
105 100
120 47.8 40.3 60.5





#63
1,2,4-Trimethylbenzene
Concen: 0.863 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

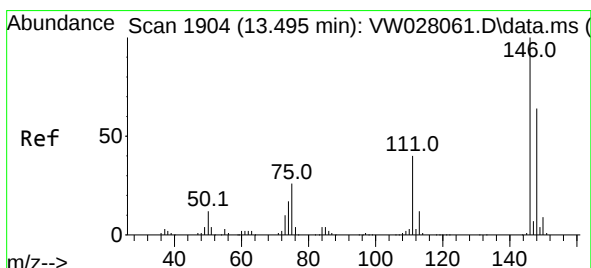
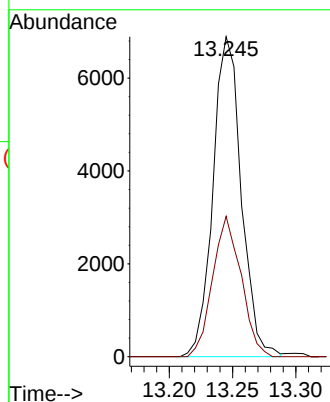
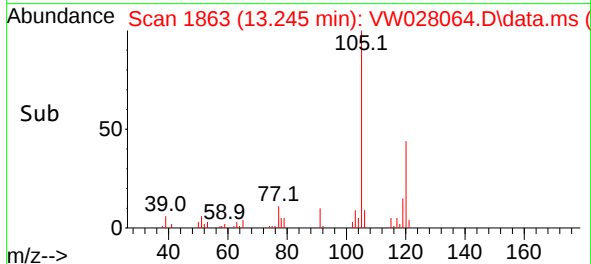
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



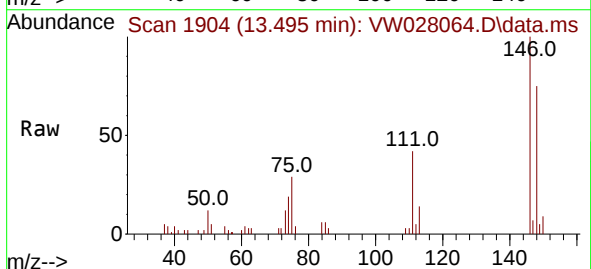
Tgt Ion:105 Resp: 1072
Ion Ratio Lower Upper
105 100
120 44.1 36.4 54.6

Manual Integrations
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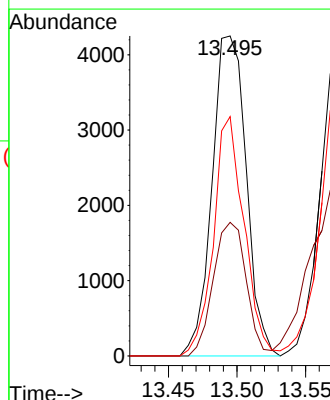
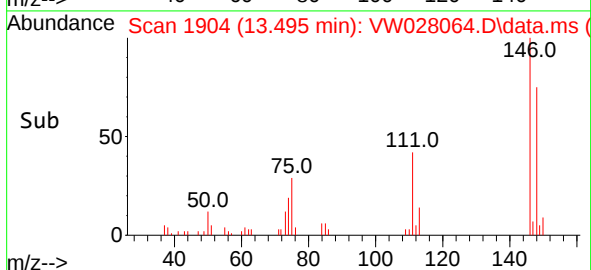
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024

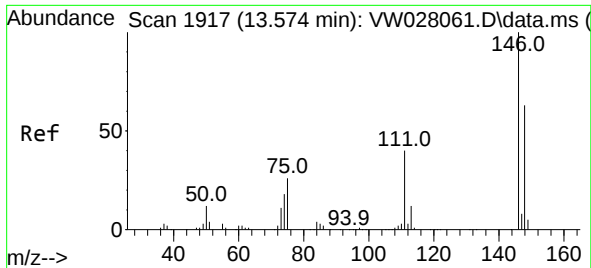


#64
1,3-Dichlorobenzene
Concen: 1.009 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36



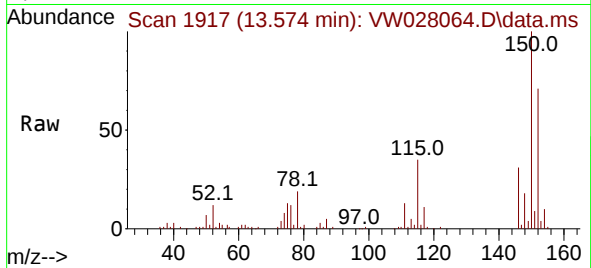
Tgt Ion:146 Resp: 7363
Ion Ratio Lower Upper
146 100
111 41.7 26.9 49.9
148 74.8 41.2 76.6





#65
1,4-Dichlorobenzene
Concen: 1.073 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36

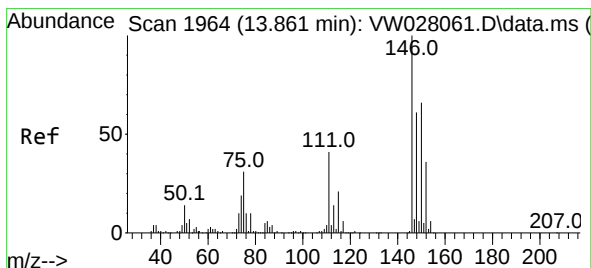
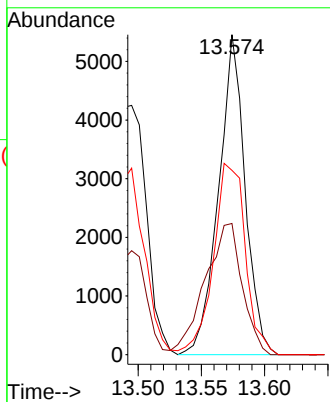
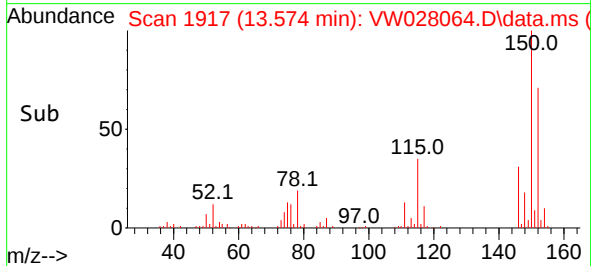
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



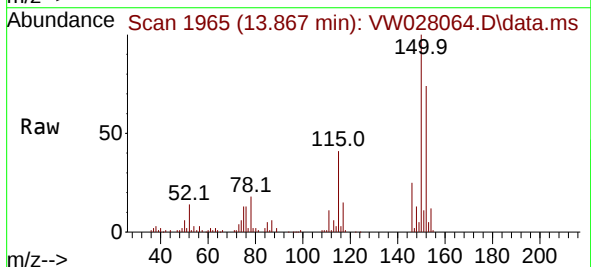
Tgt Ion:146 Resp: 795
Ion Ratio Lower Upper
146 100
111 41.0 24.1 44.8
148 57.6 43.6 81.0

Manual Integrations
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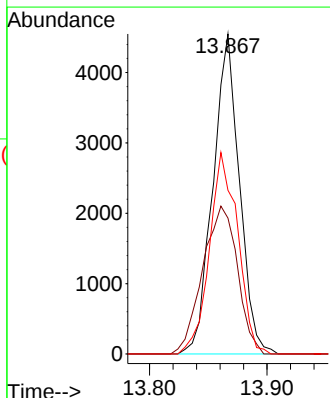
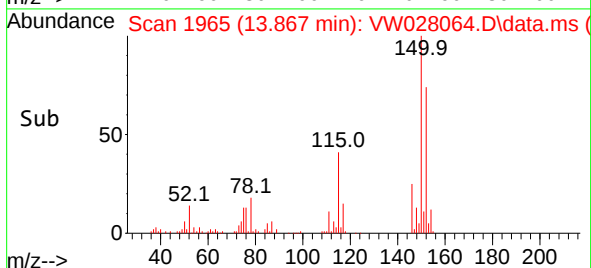
Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024

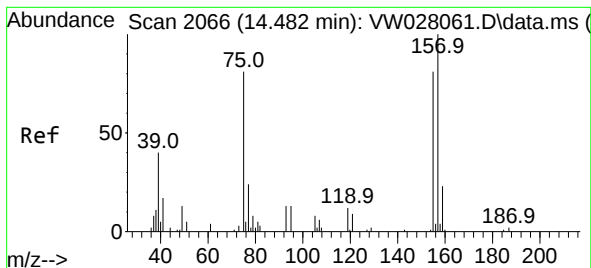


#67
1,2-Dichlorobenzene
Concen: 1.106 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VW028064.D
Acq: 26 Feb 2024 14:36



Tgt Ion:146 Resp: 7126
Ion Ratio Lower Upper
146 100
111 42.5 30.6 46.0
148 51.1 48.6 72.8





#68

1,2-Dibromo-3-chloropropane

Concen: 1.163 ug/L m

RT: 14.483 min Scan# 2066

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

ClientSampleId :

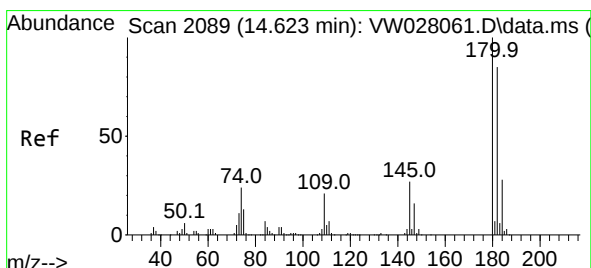
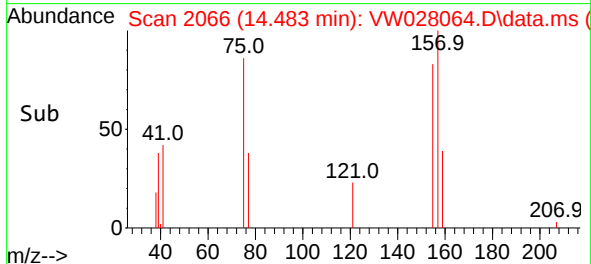
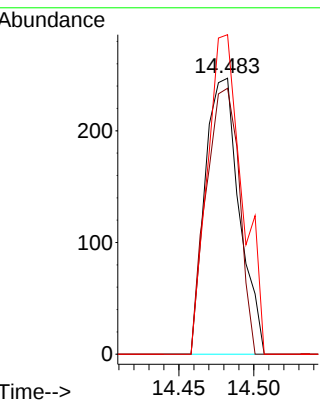
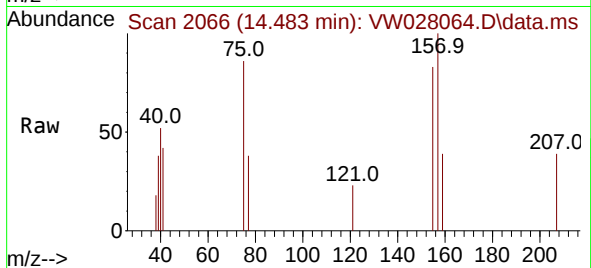
MDL-SOIL-QT1-2024-01

Tgt Ion: 75	Resp: 39
Ion Ratio	Lower Upper
75 100	
155 96.4	68.7 103.1
157 115.8	96.7 145.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#69

1,3,5-Trichlorobenzene

Concen: 0.999 ug/L

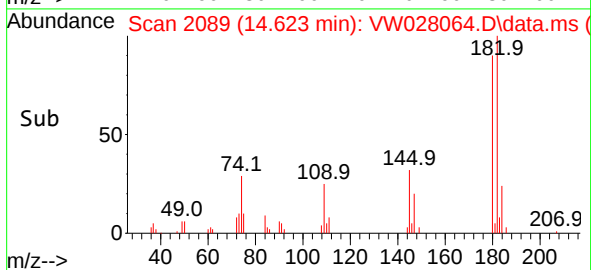
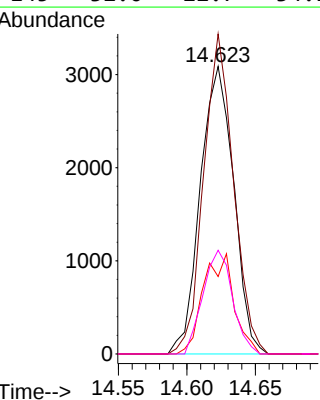
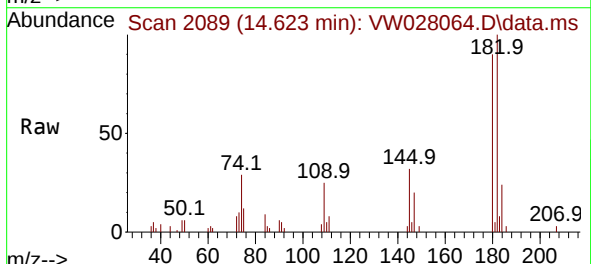
RT: 14.623 min Scan# 2089

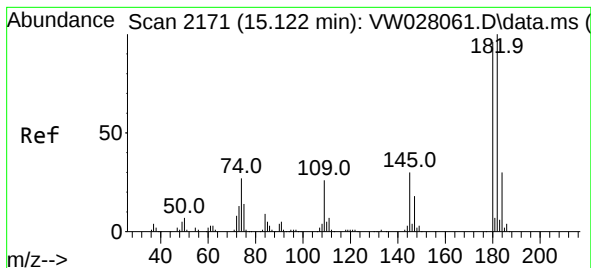
Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Tgt Ion:180	Resp: 5230
Ion Ratio	Lower Upper
180 100	
182 99.3	72.1 108.1
184 32.1	24.4 36.6
145 32.0	22.7 34.1





#70

1,2,4-trichlorobenzene

Concen: 0.995 ug/L

RT: 15.123 min Scan# 2171

Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

Instrument :

MSVOA_W

ClientSampleId :

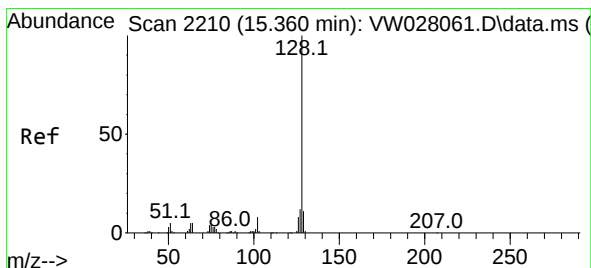
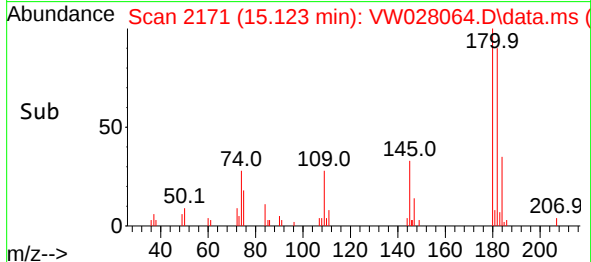
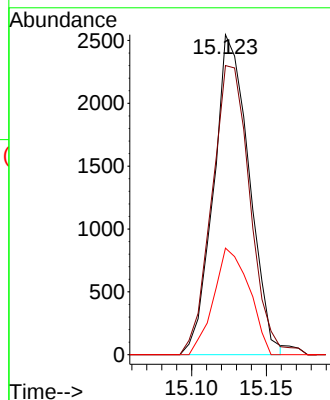
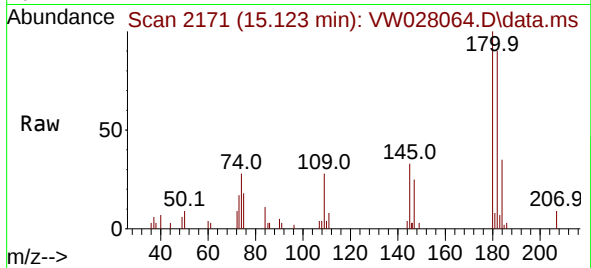
MDL-SOIL-QT1-2024-01

Tgt Ion:	180	Resp:	420
Ion Ratio	Lower	Upper	
180	100		
182	96.5	77.0	115.6
145	33.2	23.4	35.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2024
Supervised By :Mahesh Dadoda 02/27/2024



#71

Naphthalene

Concen: 0.976 ug/L

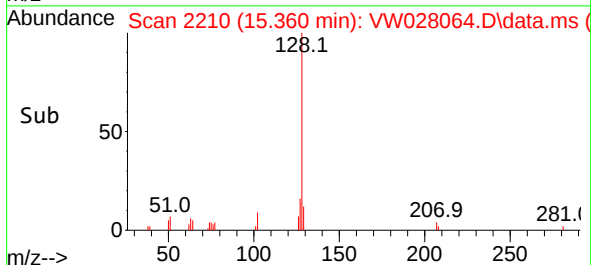
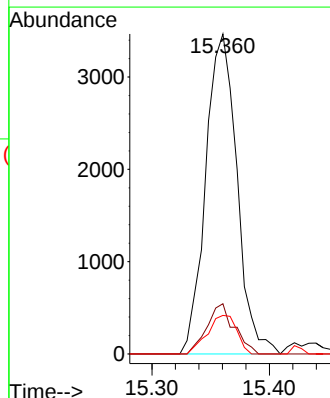
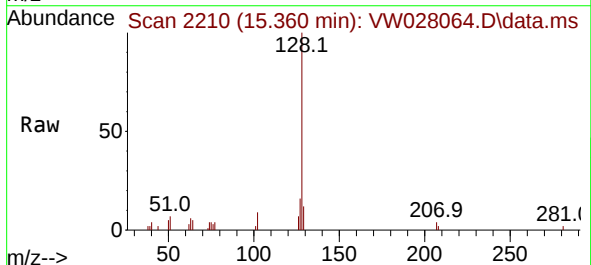
RT: 15.360 min Scan# 2210

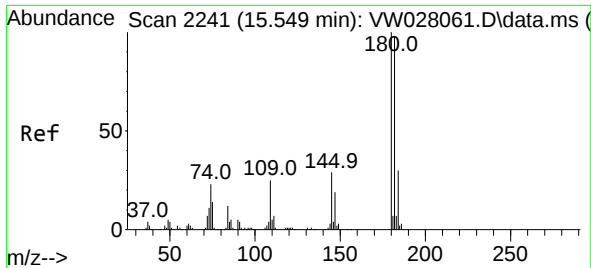
Delta R.T. 0.000 min

Lab File: VW028064.D

Acq: 26 Feb 2024 14:36

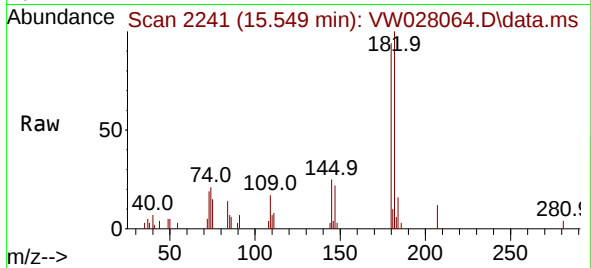
Tgt Ion:	128	Resp:	6412
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.2	15.4
129	11.4	8.4	12.6





#72
 1,2,3-Trichlorobenzene
 Concen: 1.124 ug/L
 RT: 15.549 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VW028064.D
 Acq: 26 Feb 2024 14:36

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2024-01



Tgt Ion:	180	Resp:	396
Ion Ratio	Lower	Upper	
180	100		
182	93.4	76.5	114.7
145	27.8	25.8	38.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/27/2024
 Supervised By :Mahesh Dadoda 02/27/2024

