

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW022724\
 Data File : VW028069.D
 Acq On : 27 Feb 2024 10:41
 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

Quant Time: Feb 28 00:23:30 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM020524SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Feb 28 00:18:10 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024
 Supervised By :Mahesh Dadoda 02/28/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	244194	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	235026	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.550	152	118414	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	46963	16.420	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	65.680%
7) Chloroethane-d5	2.899	69	45639	21.039	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	84.160%
11) 1,1-Dichloroethene-d2	4.027	65	22453	18.347	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	73.400%
21) 2-Butanone-d5	7.075	46	30634	68.934	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	137.860%#
24) Chloroform-d	7.648	84	136387	23.886	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.560%
26) 1,2-Dichloroethane-d4	8.301	65	69550	26.970	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.880%
32) Benzene-d6	8.276	84	262074	20.842	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	83.360%
36) 1,2-Dichloropropane-d6	9.270	67	75842	22.245	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.960%
41) Toluene-d8	10.319	98	250571	20.826	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	83.320%
43) trans-1,3-Dichloroprop...	10.575	79	31387	22.386	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.560%
47) 2-Hexanone-d5	10.922	63	29808	64.276	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	128.560%
56) 1,1,2,2-Tetrachloroeth...	12.684	84	71515	28.064	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.240%
66) 1,2-Dichlorobenzene-d4	13.848	152	98208	24.401	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.015	85	2353	1.119	ug/L	95
3) Chloromethane	2.216	50	2729	1.182	ug/L	97
5) Vinyl chloride	2.375	62	3834	1.225	ug/L #	82
6) Bromomethane	2.796	94	2992	1.353	ug/L	90
8) Chloroethane	2.942	64	2339	1.323	ug/L	89
9) Trichlorofluoromethane	3.271	101	2844	1.000	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	4385m	1.529	ug/L	
12) 1,1-Dichloroethene	4.045	96	3930	1.473	ug/L #	1
14) Carbon disulfide	4.387	76	9869	1.250	ug/L	99
15) Methyl Acetate	4.685	43	1081m	1.503	ug/L	
16) Methylene chloride	4.917	84	8319	2.726	ug/L	97
17) trans-1,2-Dichloroethene	5.423	96	3391	1.183	ug/L	94
18) Methyl tert-butyl Ether	5.429	73	4753	1.399	ug/L #	86
19) 1,1-Dichloroethane	6.222	63	6055	1.301	ug/L	97
20) cis-1,2-Dichloroethene	7.173	96	3667	1.212	ug/L	96
22) 2-Butanone	7.179	43	1533	3.073	ug/L	80
23) Bromochloromethane	7.520	128	1930	1.436	ug/L	81
25) Chloroform	7.673	83	7258	1.450	ug/L	96
27) 1,2-Dichloroethane	8.398	62	4127	1.481	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.953	56	4565	1.090	ug/L	97
30) 1,1,1-Trichloroethane	7.868	97	5615	1.238	ug/L	99
31) Carbon tetrachloride	8.069	117	5251	1.251	ug/L	99
33) Benzene	8.325	78	14428	1.229	ug/L	100
34) Trichloroethene	9.093	95	3906	1.159	ug/L	96
35) Methylcyclohexane	9.337	83	6101	1.100	ug/L	99
37) 1,2-Dichloropropane	9.368	63	3097	1.123	ug/L #	95
38) Bromodichloromethane	9.642	83	4714	1.280	ug/L	97
39) cis-1,3-Dichloropropene	10.069	75	5620	1.271	ug/L	98
40) 4-Methyl-2-pentanone	10.209	43	2828	2.716	ug/L	98
42) Toluene	10.386	91	15817	1.202	ug/L	91
44) trans-1,3-Dichloropropene	10.605	75	4542m	1.294	ug/L	
45) 1,1,2-Trichloroethane	10.782	97	2867	1.313	ug/L	96
46) Tetrachloroethene	10.861	164	3191	1.125	ug/L #	85
48) 2-Hexanone	10.971	43	2375	3.012	ug/L	99
49) Dibromochloromethane	11.129	129	3183	1.279	ug/L	94
50) 1,2-Dibromoethane	11.233	107	2705	1.327	ug/L #	88
51) Chlorobenzene	11.654	112	11001	1.257	ug/L	91
52) Ethylbenzene	11.727	91	16996	1.145	ug/L	87
53) m,p-Xylene	11.837	106	6273	1.078	ug/L	80
54) o-Xylene	12.160	106	5869	1.075	ug/L	91
55) Styrene	12.178	104	9495	1.044	ug/L	93
57) 1,1,2,2-Tetrachloroethane	12.708	83	3362	1.438	ug/L #	90
59) Bromoform	12.349	173	1719	1.230	ug/L #	89
60) Isopropylbenzene	12.458	105	15387	1.041	ug/L	100
61) 1,2,3-Trichloropropane	12.763	75	2109	1.335	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	12245	1.035	ug/L	98
63) 1,2,4-Trimethylbenzene	13.245	105	11219	0.969	ug/L	97
64) 1,3-Dichlorobenzene	13.501	146	7682	1.131	ug/L	98
65) 1,4-Dichlorobenzene	13.574	146	8281	1.199	ug/L	87
67) 1,2-Dichlorobenzene	13.867	146	7420	1.237	ug/L #	83
68) 1,2-Dibromo-3-chloropr...	14.483	75	477m	1.520	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	5359	1.099	ug/L	91
70) 1,2,4-trichlorobenzene	15.129	180	4682	1.189	ug/L	97
71) Naphthalene	15.360	128	7199	1.176	ug/L	99
72) 1,2,3-Trichlorobenzene	15.543	180	4190	1.275	ug/L	95

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

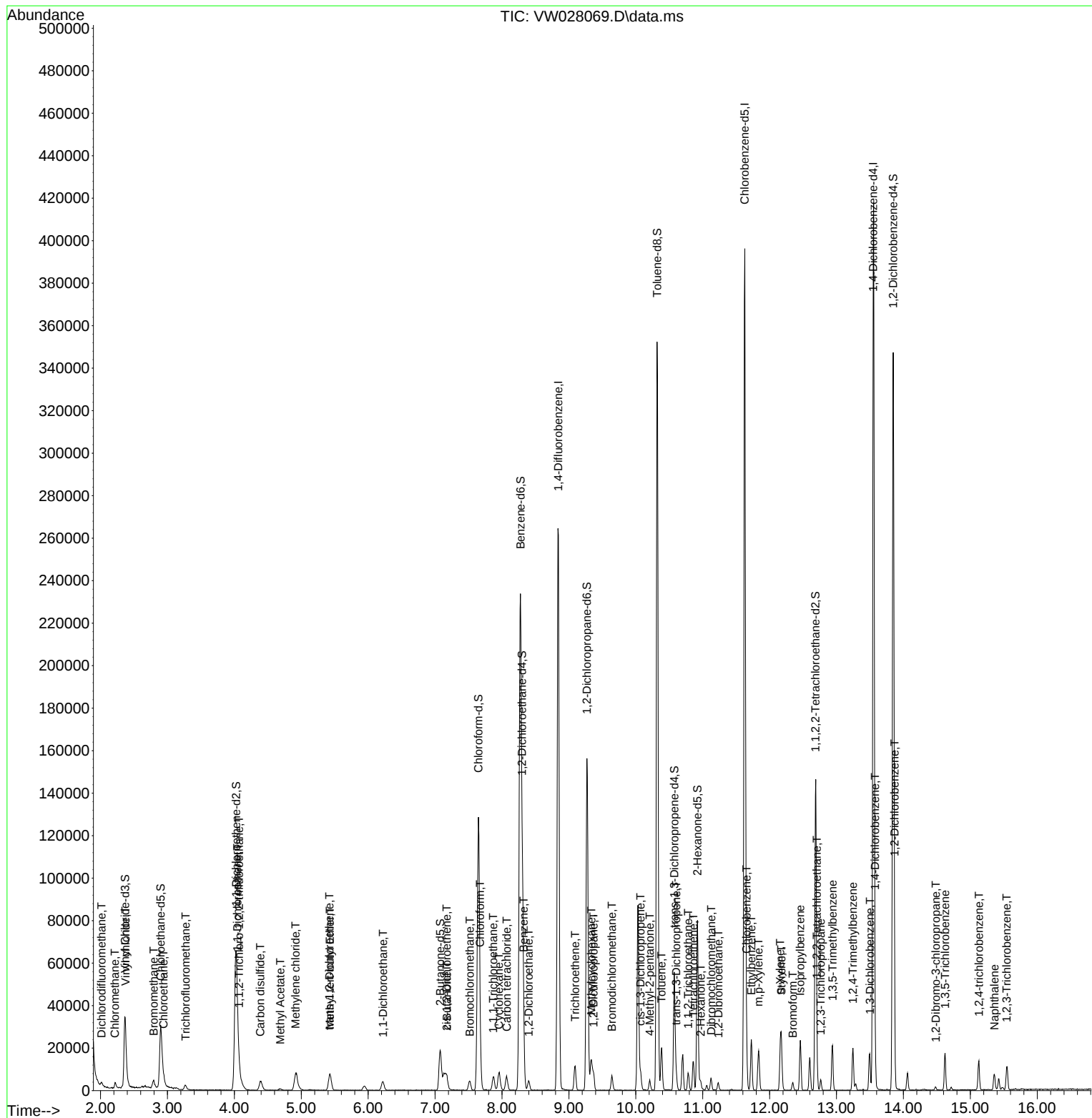
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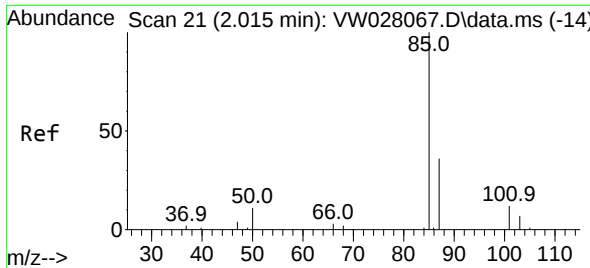
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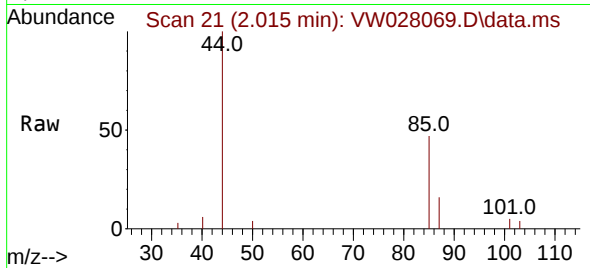
Reviewed By : Semsettin Yesilyurt 02/28/2024
Supervised By : Mahesh Dadoda 02/28/2024





#2
Dichlorodifluoromethane
Concen: 1.119 ug/L
RT: 2.015 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

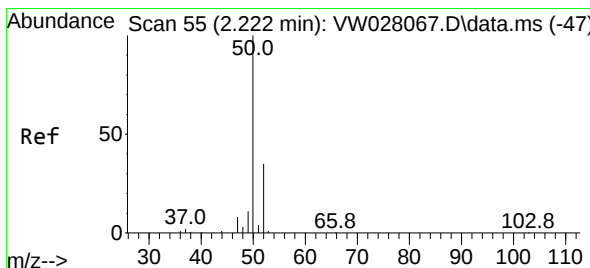
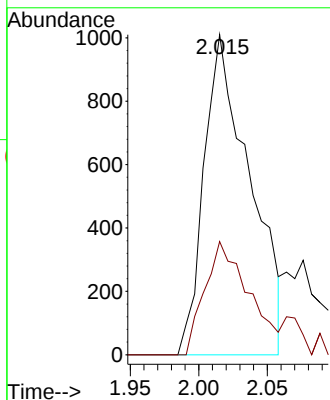
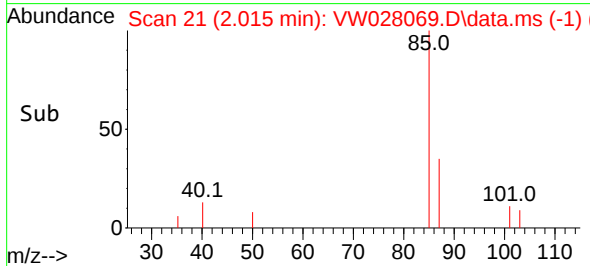
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MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



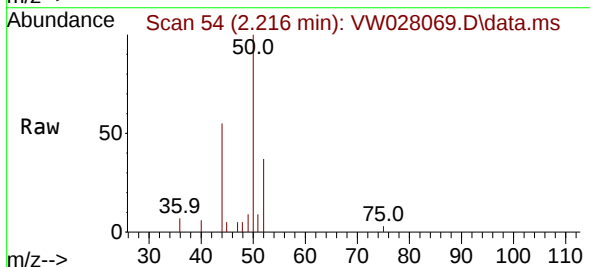
Tgt Ion: 85 Resp: 235
Ion Ratio Lower Upper
85 100
87 34.1 25.3 37.9

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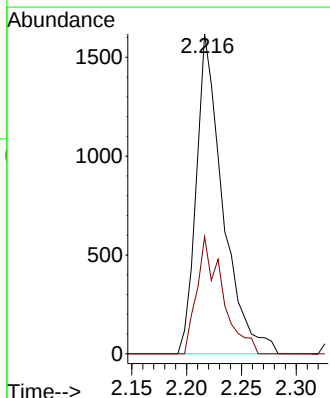
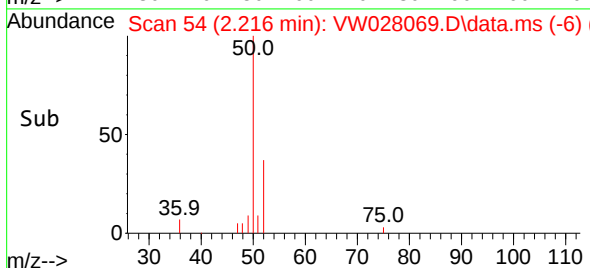
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024

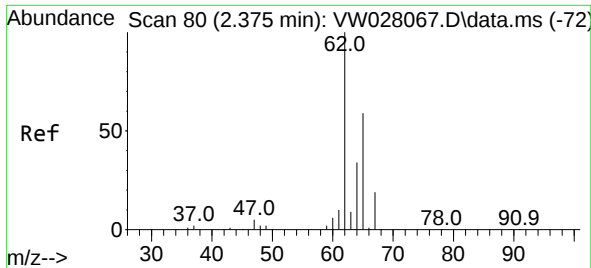


#3
Chloromethane
Concen: 1.182 ug/L
RT: 2.216 min Scan# 54
Delta R.T. -0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41



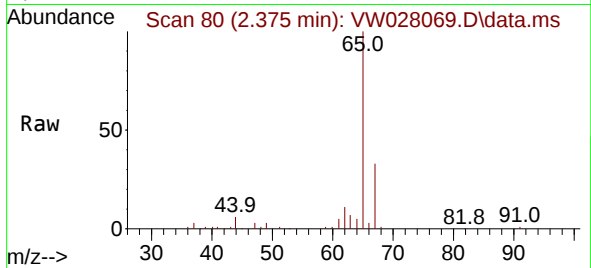
Tgt Ion: 50 Resp: 2729
Ion Ratio Lower Upper
50 100
52 36.7 24.3 45.1





#5
 Vinyl chloride
 Concen: 1.225 ug/L
 RT: 2.375 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: VW028069.D
 Acq: 27 Feb 2024 10:41

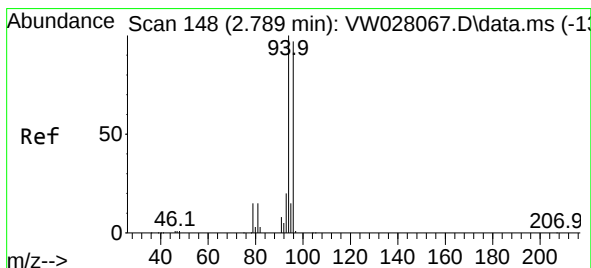
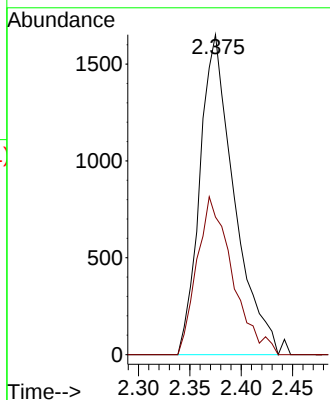
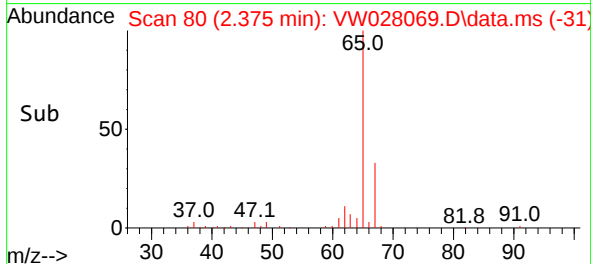
Instrument :
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 ClientSampleId :
 MDL-SOIL-QT1-2024-01



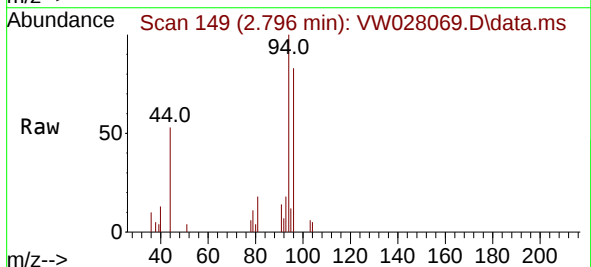
Tgt Ion: 62 Resp: 3834
 Ion Ratio Lower Upper
 62 100
 64 43.0 23.0 42.6

Manual Integrations
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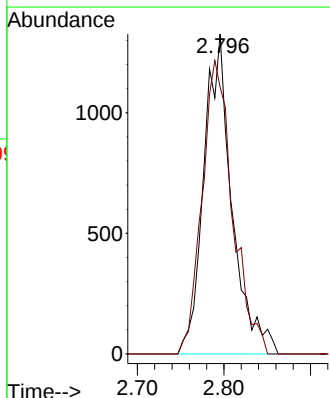
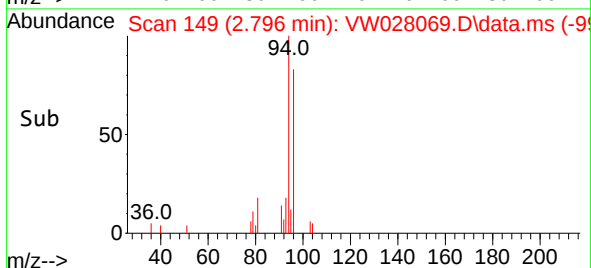
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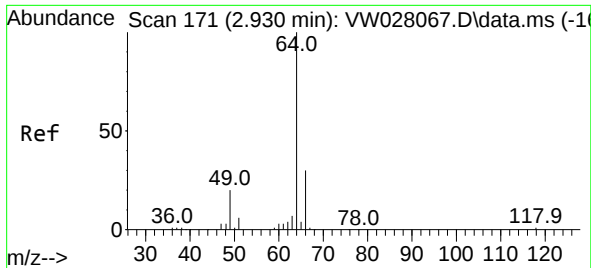


#6
 Bromomethane
 Concen: 1.353 ug/L
 RT: 2.796 min Scan# 149
 Delta R.T. 0.006 min
 Lab File: VW028069.D
 Acq: 27 Feb 2024 10:41



Tgt Ion: 94 Resp: 2992
 Ion Ratio Lower Upper
 94 100
 96 83.4 65.3 121.3





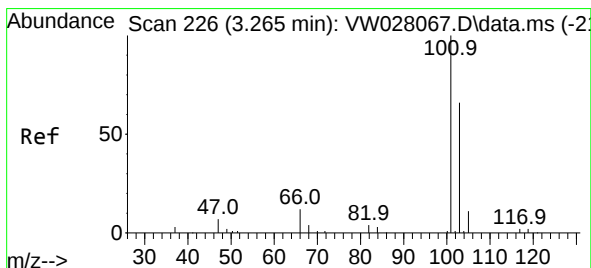
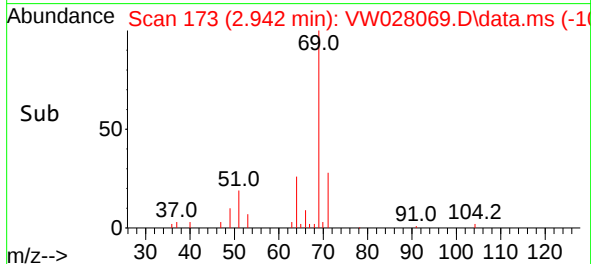
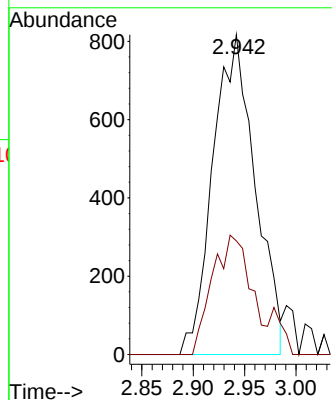
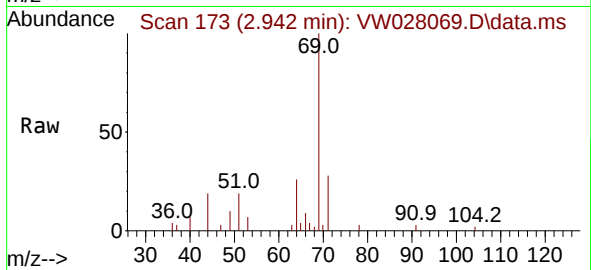
#8
Chloroethane
Concen: 1.323 ug/L
RT: 2.942 min Scan# 171
Delta R.T. 0.012 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

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

Tgt Ion: 64 Resp: 2339
Ion Ratio Lower Upper
64 100
66 35.5 20.9 38.7

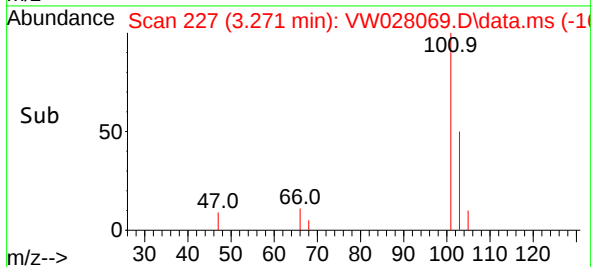
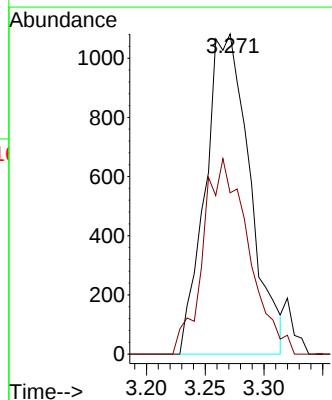
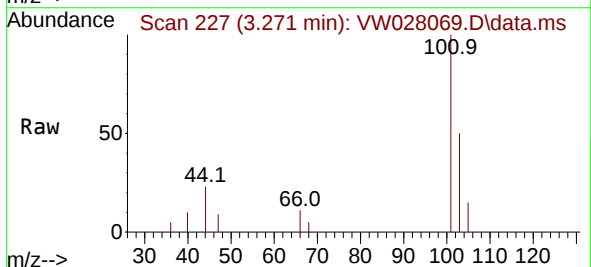
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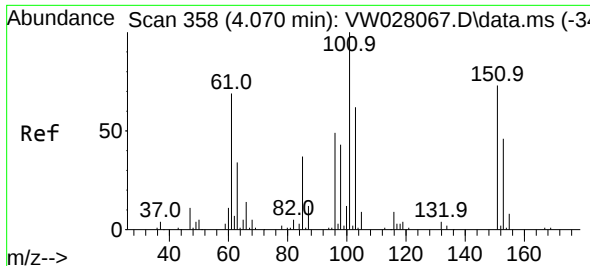
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#9
Trichlorofluoromethane
Concen: 1.000 ug/L
RT: 3.271 min Scan# 227
Delta R.T. 0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

Tgt Ion:101 Resp: 2844
Ion Ratio Lower Upper
101 100
103 58.2 51.6 77.4





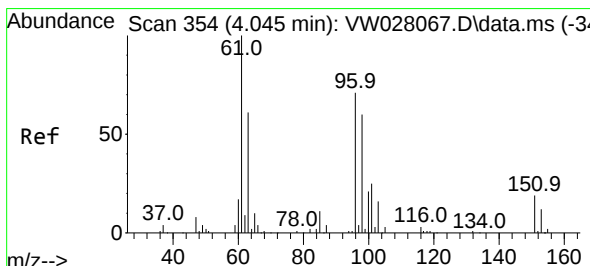
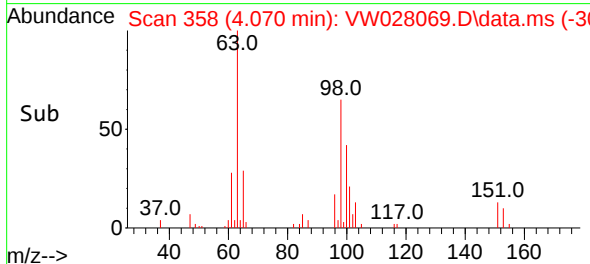
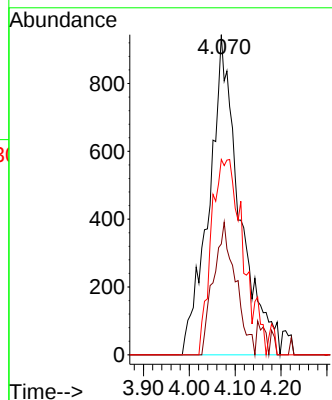
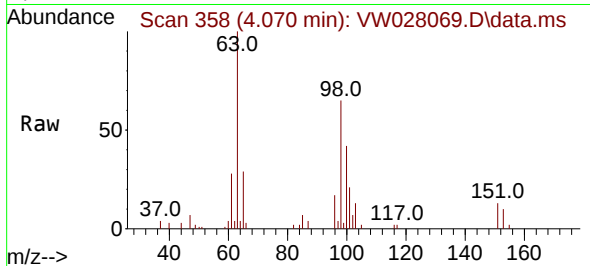
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.529 ug/L m
RT: 4.070 min Scan# 358
Delta R.T. 0.000 min
Lab File: VW028069.D
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Tgt Ion: 101 Resp: 438
Ion Ratio Lower Upper
101 100
85 1.0 33.8 50.6
151 1.8 62.6 93.8

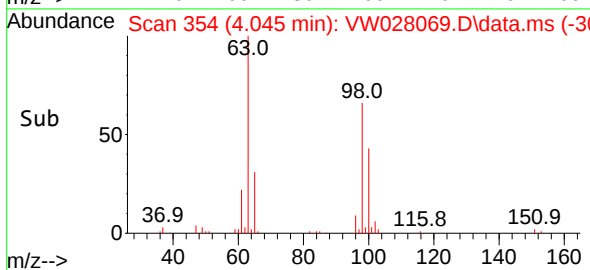
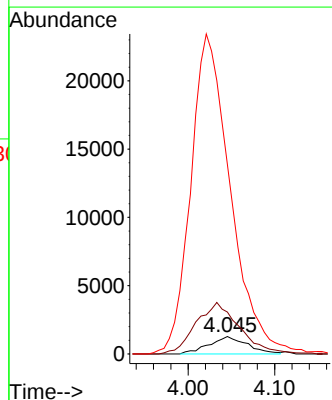
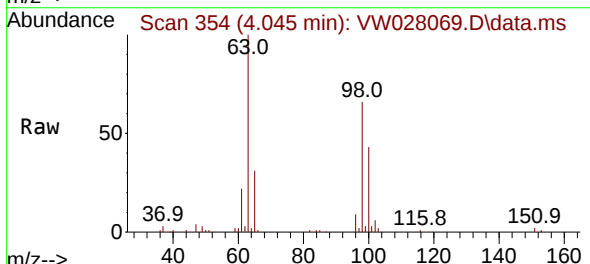
Manual Integrations
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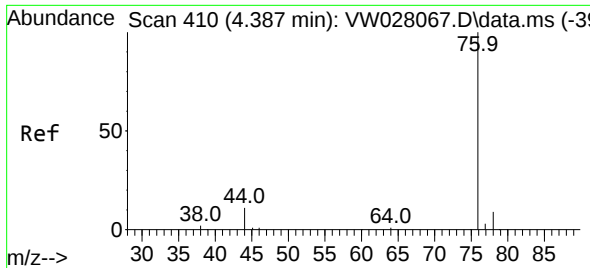
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#12
1,1-Dichloroethene
Concen: 1.473 ug/L
RT: 4.045 min Scan# 354
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

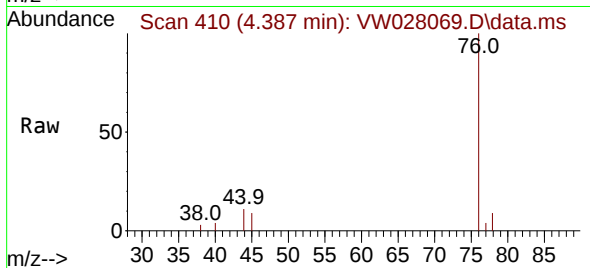
Tgt Ion: 96 Resp: 3930
Ion Ratio Lower Upper
96 100
61 240.6 107.4 199.4#
63 1088.9 86.0 159.6#





#14
Carbon disulfide
Concen: 1.250 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
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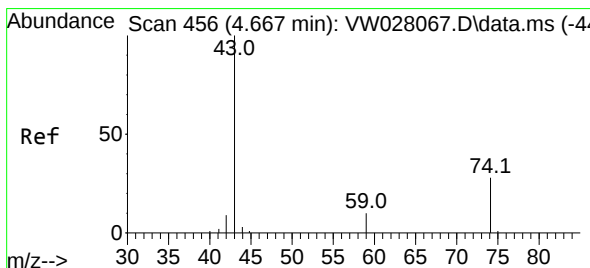
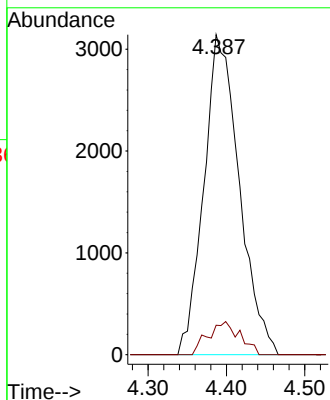
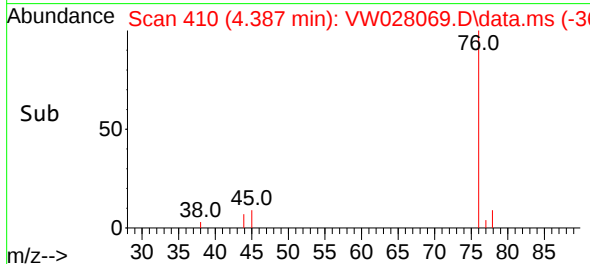
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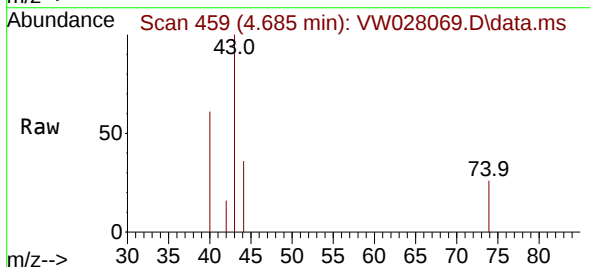
Tgt Ion: 76 Resp: 986
Ion Ratio Lower Upper
76 100
78 9.2 7.5 11.3

Manual Integrations
APPROVED

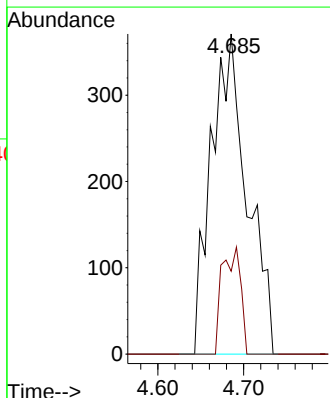
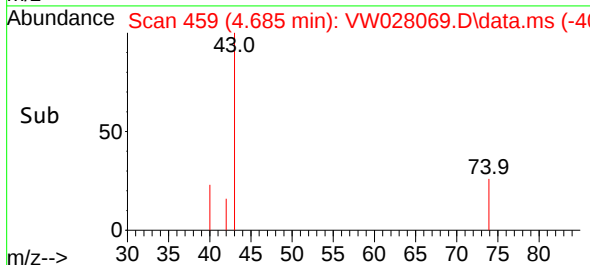
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024

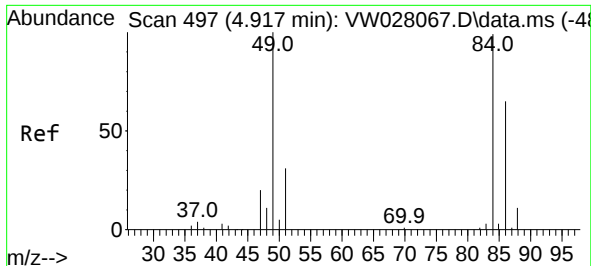


#15
Methyl Acetate
Concen: 1.503 ug/L m
RT: 4.685 min Scan# 459
Delta R.T. 0.018 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41



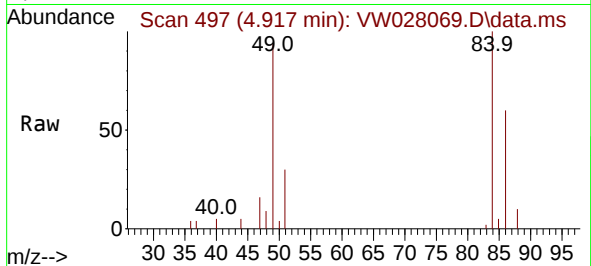
Tgt Ion: 43 Resp: 1081
Ion Ratio Lower Upper
43 100
74 6.8 24.2 36.2#





#16
Methylene chloride
Concen: 2.726 ug/L
RT: 4.917 min Scan# 497
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

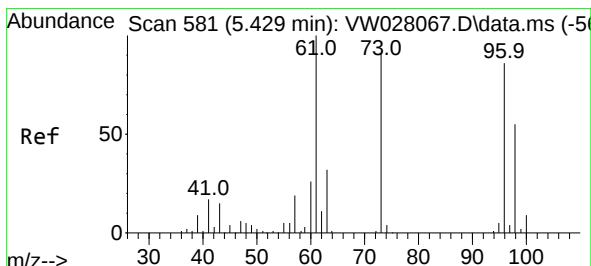
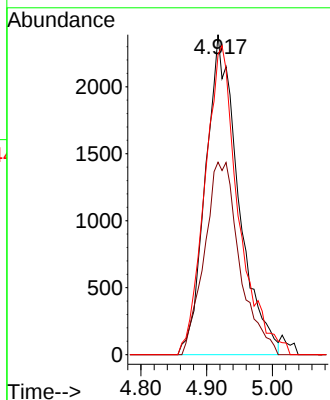
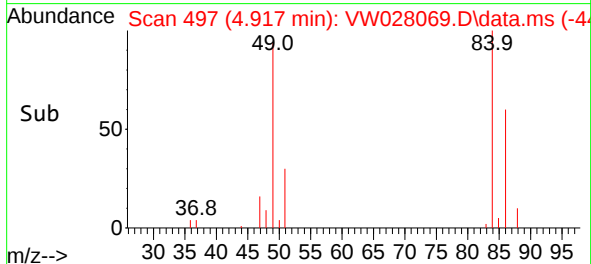
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 84 Resp: 8319
Ion Ratio Lower Upper
84 100
86 60.2 45.4 84.4
49 93.7 66.3 123.1

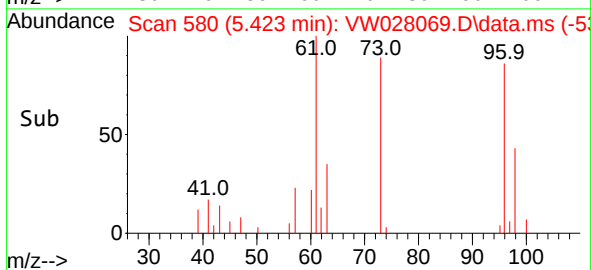
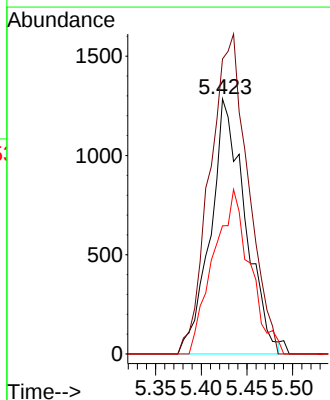
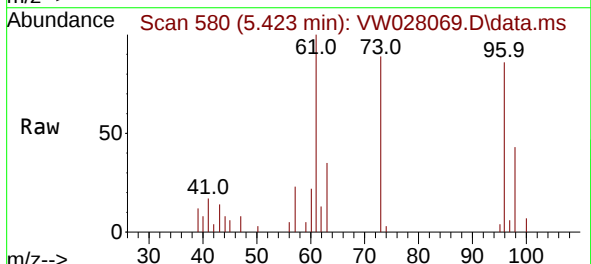
Manual Integrations
APPROVED

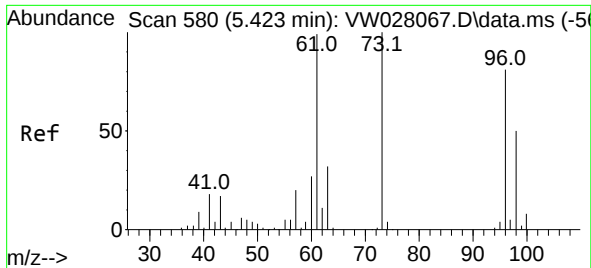
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#17
trans-1,2-Dichloroethene
Concen: 1.183 ug/L
RT: 5.423 min Scan# 580
Delta R.T. -0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

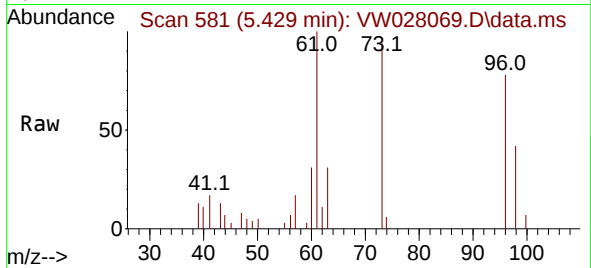
Tgt Ion: 96 Resp: 3391
Ion Ratio Lower Upper
96 100
61 115.6 80.1 148.7
98 50.3 43.8 81.4





#18
Methyl tert-butyl Ether
Concen: 1.399 ug/L
RT: 5.429 min Scan# 580
Delta R.T. 0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

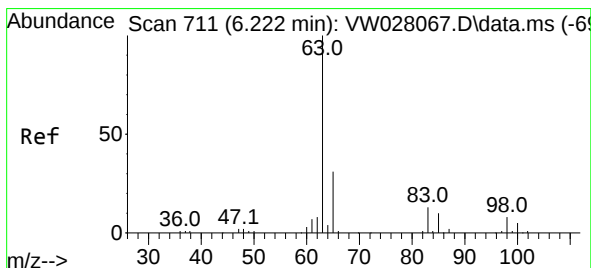
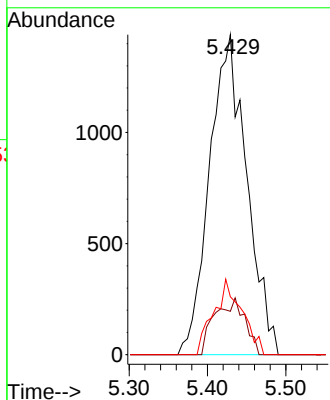
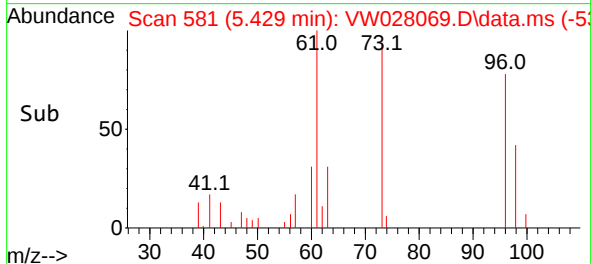
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 73 Resp: 475
Ion Ratio Lower Upper
73 100
43 6.0 13.4 20.0
57 18.0 16.3 24.5

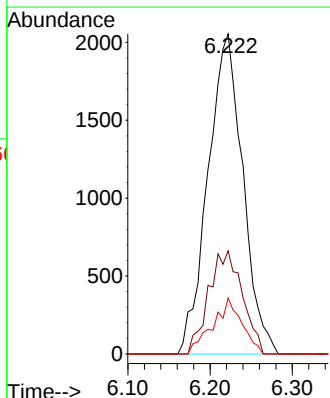
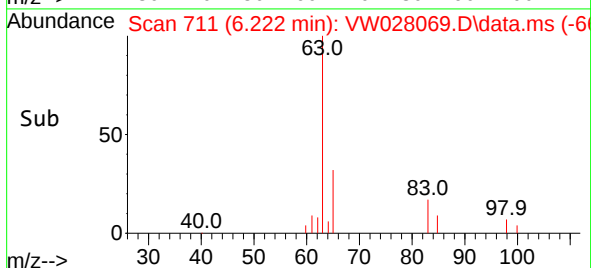
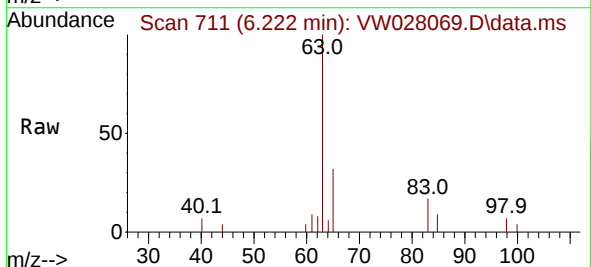
Manual Integrations
APPROVED

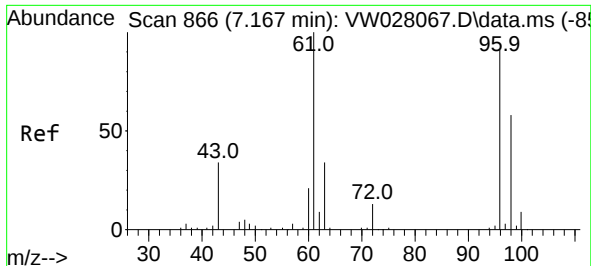
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#19
1,1-Dichloroethane
Concen: 1.301 ug/L
RT: 6.222 min Scan# 711
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

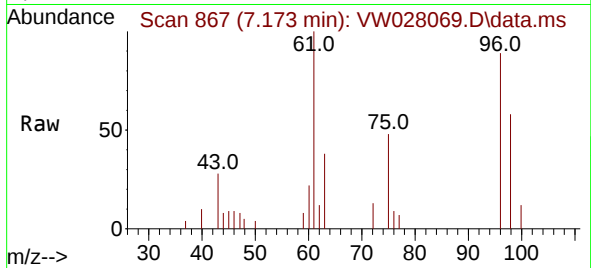
Tgt Ion: 63 Resp: 6055
Ion Ratio Lower Upper
63 100
65 32.2 23.1 42.9
83 17.4 9.9 18.3





#20
cis-1,2-Dichloroethene
Concen: 1.212 ug/L
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

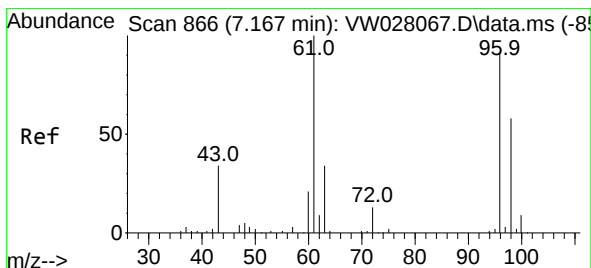
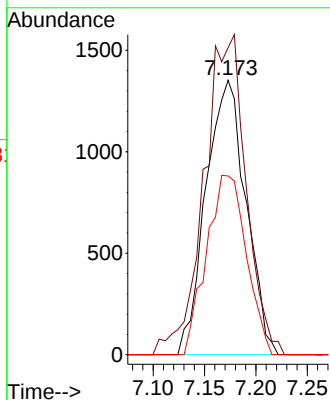
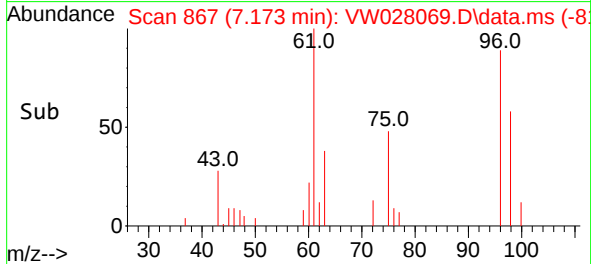
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 96 Resp: 366
Ion Ratio Lower Upper
96 100
61 111.9 76.3 141.7
98 65.2 42.9 79.7

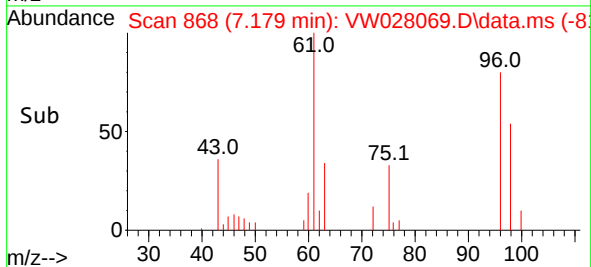
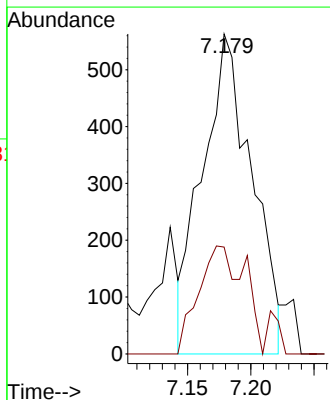
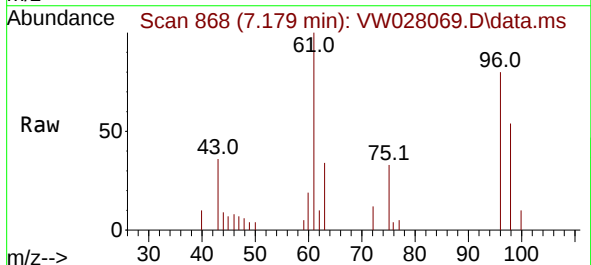
Manual Integrations
APPROVED

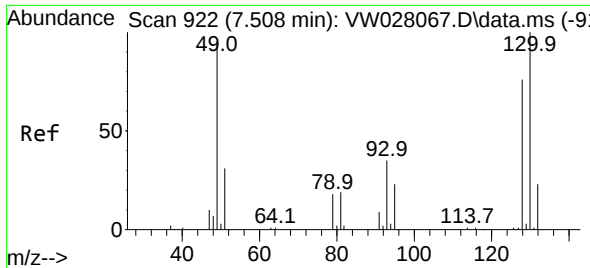
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#22
2-Butanone
Concen: 3.073 ug/L
RT: 7.179 min Scan# 868
Delta R.T. 0.012 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

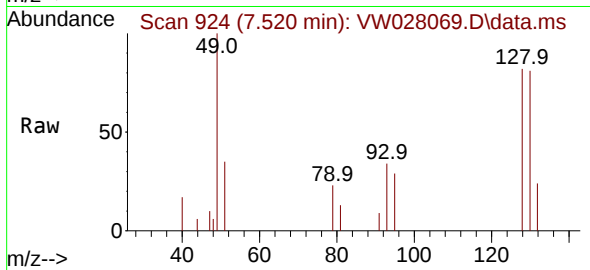
Tgt Ion: 43 Resp: 1533
Ion Ratio Lower Upper
43 100
72 22.3 17.0 50.9





#23
Bromochloromethane
Concen: 1.436 ug/L
RT: 7.520 min Scan# 912
Delta R.T. 0.012 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

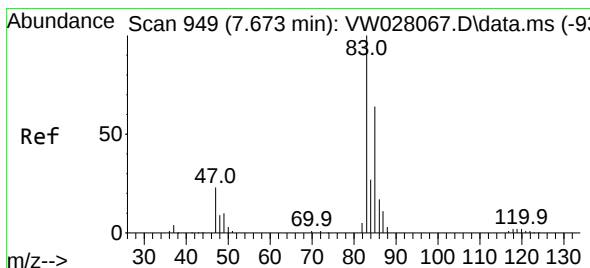
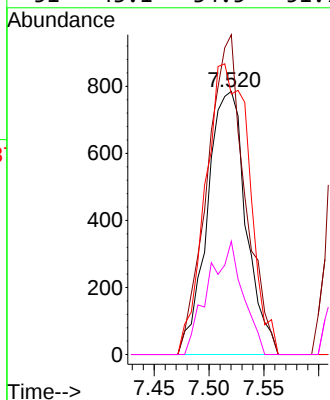
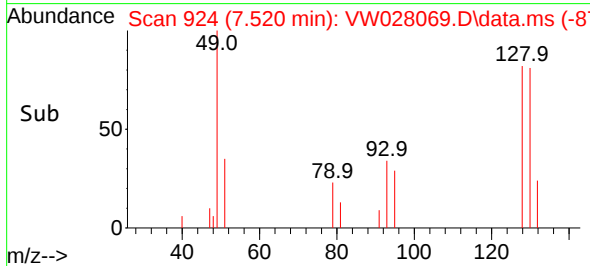
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion:	128	Resp:	1930
Ion	Ratio	Lower	Upper
128	100		
49	121.5	93.2	173.2
130	99.0	97.4	180.8
51	43.1	34.5	51.7

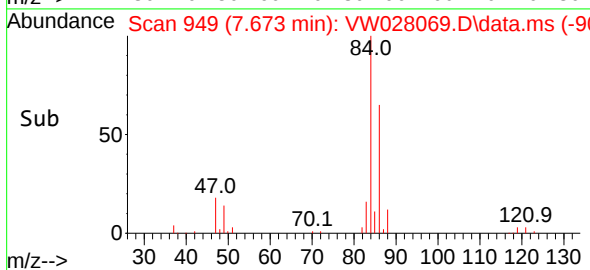
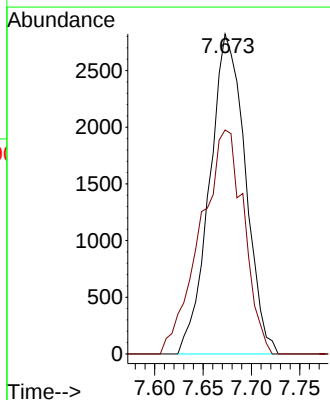
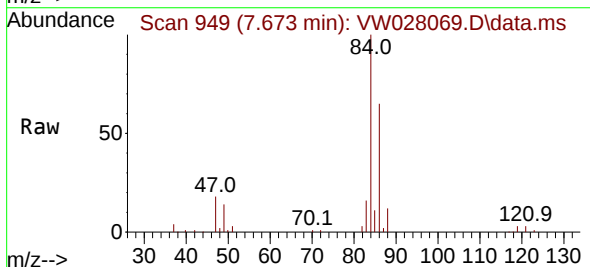
Manual Integrations
APPROVED

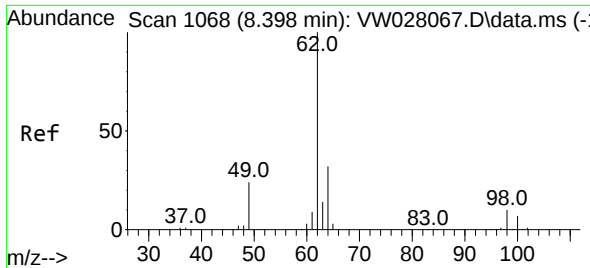
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#25
Chloroform
Concen: 1.450 ug/L
RT: 7.673 min Scan# 949
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

Tgt Ion:	83	Resp:	7258
Ion	Ratio	Lower	Upper
83	100		
85	70.0	46.6	86.6





#27

1,2-Dichloroethane

Concen: 1.481 ug/L

RT: 8.398 min Scan# 1068

Delta R.T. 0.000 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Instrument :

MSVOA_W

ClientSampleId :

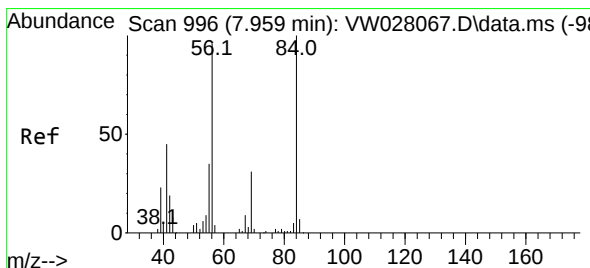
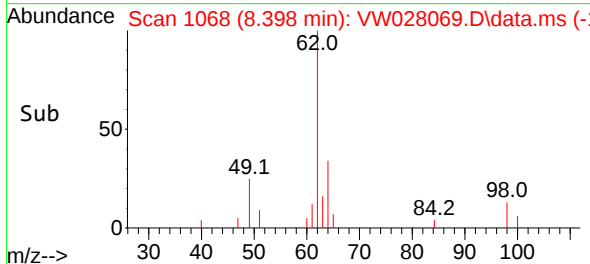
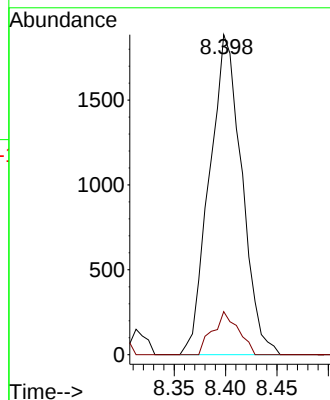
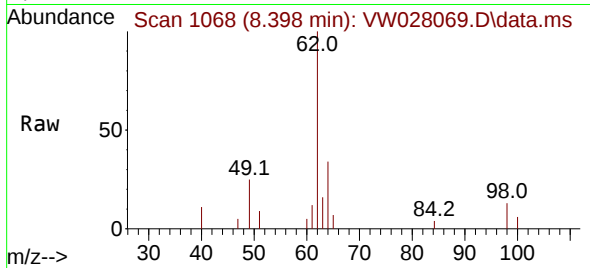
MDL-SOIL-QT1-2024-01

Tgt Ion: 62 Resp: 412
 Ion Ratio Lower Upper
 62 100
 98 13.4 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024
 Supervised By :Mahesh Dadoda 02/28/2024



#29

Cyclohexane

Concen: 1.090 ug/L

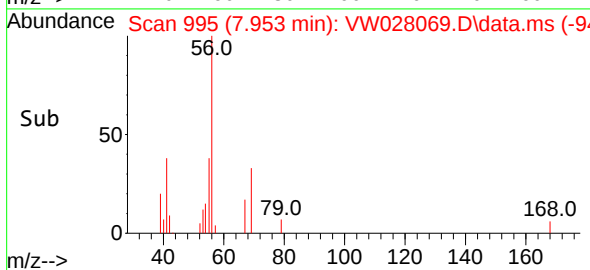
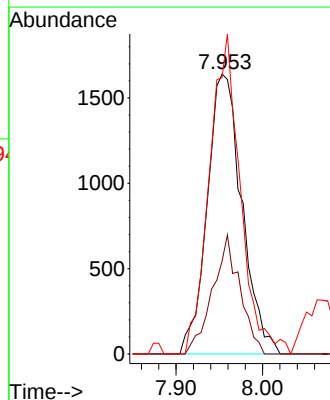
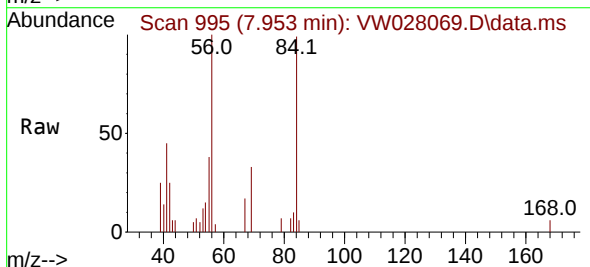
RT: 7.953 min Scan# 995

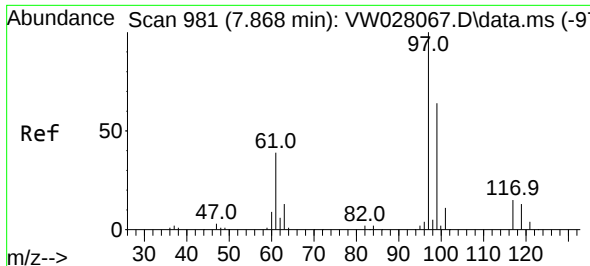
Delta R.T. -0.006 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Tgt Ion: 56 Resp: 4565
 Ion Ratio Lower Upper
 56 100
 69 33.6 26.3 39.5
 84 98.1 81.6 122.4





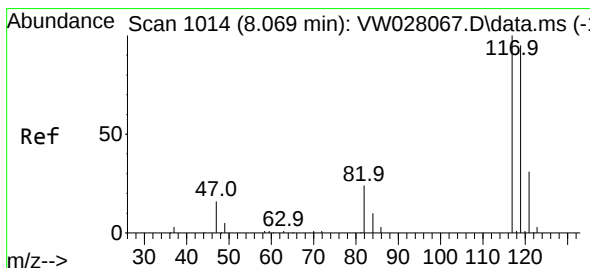
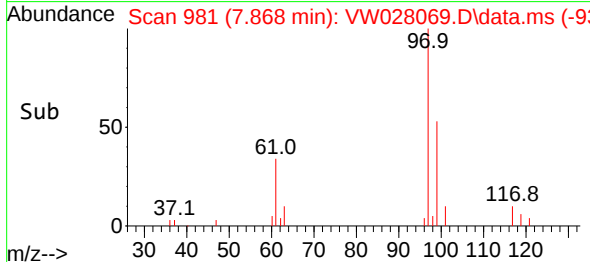
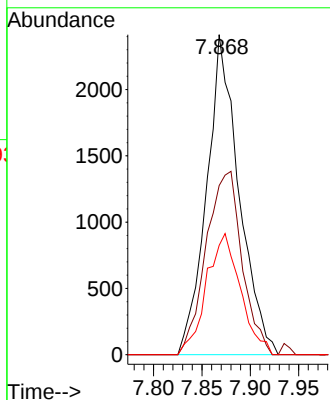
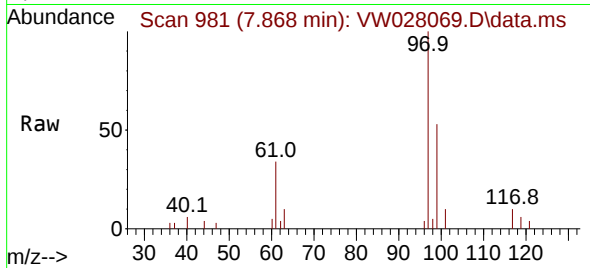
#30
1,1,1-Trichloroethane
Concen: 1.238 ug/L
RT: 7.868 min Scan# 981
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

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

Tgt Ion: 97 Resp: 561
Ion Ratio Lower Upper
97 100
99 63.7 51.4 77.0
61 39.9 32.9 49.3

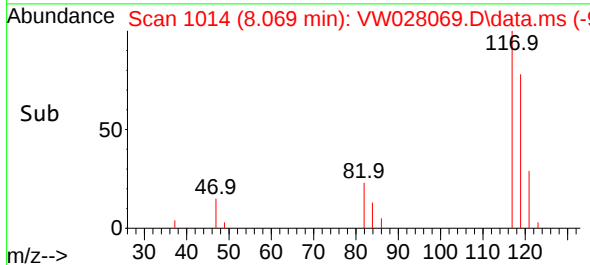
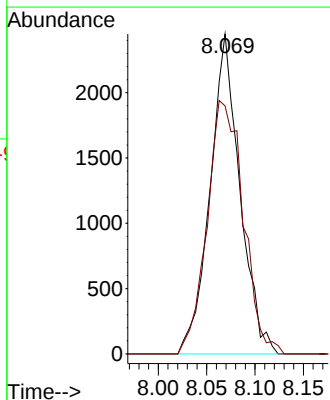
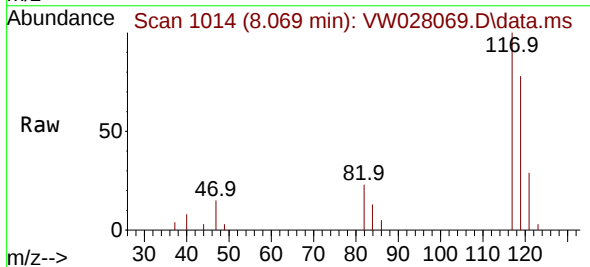
Manual Integrations
APPROVED

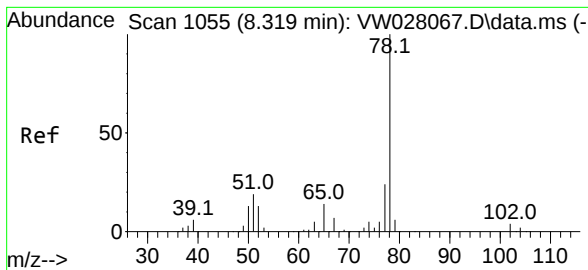
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#31
Carbon tetrachloride
Concen: 1.251 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

Tgt Ion:117 Resp: 5251
Ion Ratio Lower Upper
117 100
119 94.9 76.5 114.7





#33

Benzene

Concen: 1.229 ug/L

RT: 8.325 min Scan# 1056

Delta R.T. 0.006 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Instrument :

MSVOA_W

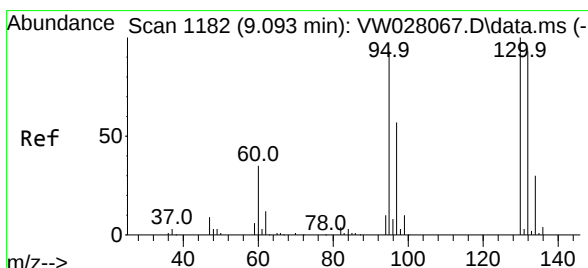
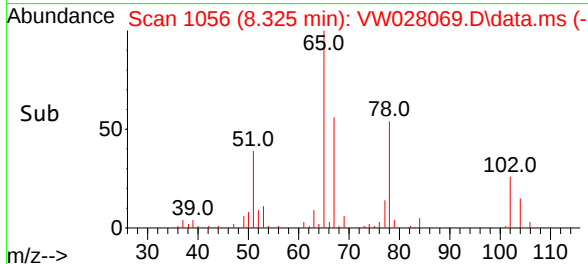
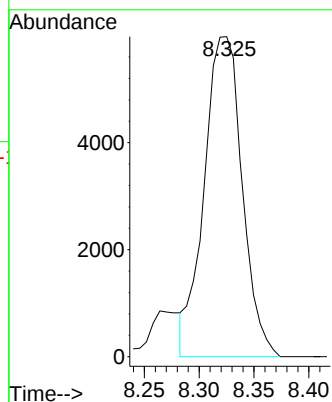
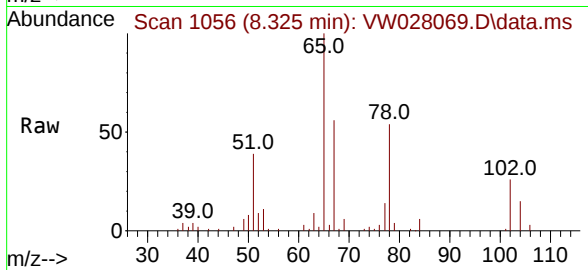
ClientSampleId :

MDL-SOIL-QT1-2024-01

Tgt Ion: 78 Resp: 14428

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#34

Trichloroethene

Concen: 1.159 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. 0.000 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Tgt Ion: 95 Resp: 3906

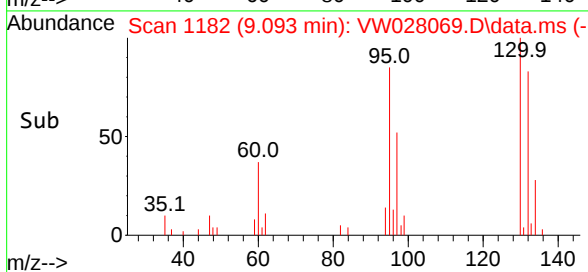
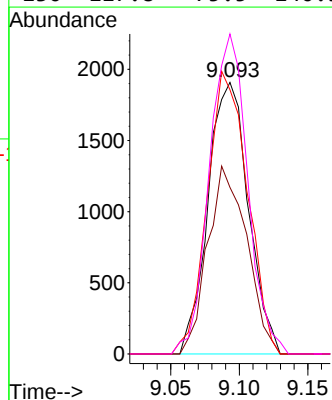
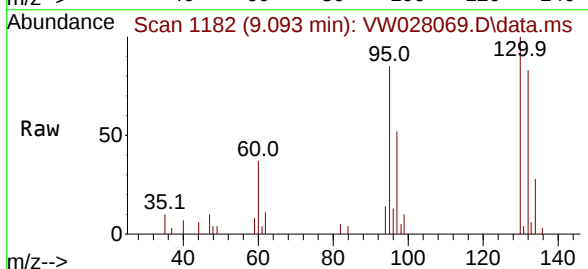
Ion Ratio Lower Upper

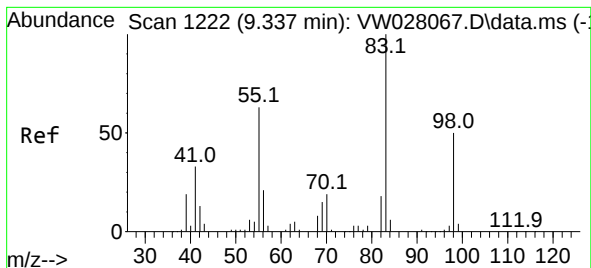
95 100

97 61.3 44.3 82.3

132 97.3 68.0 126.2

130 117.8 75.5 140.3





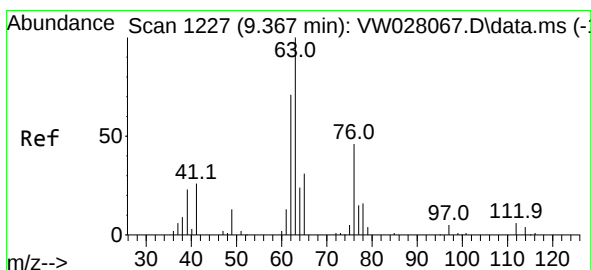
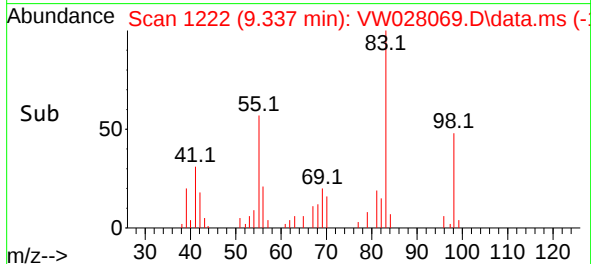
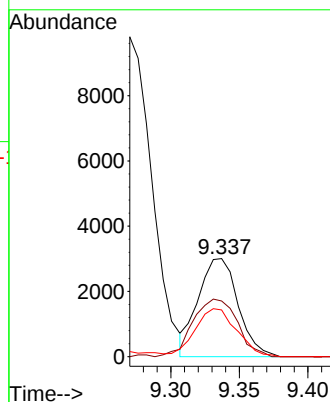
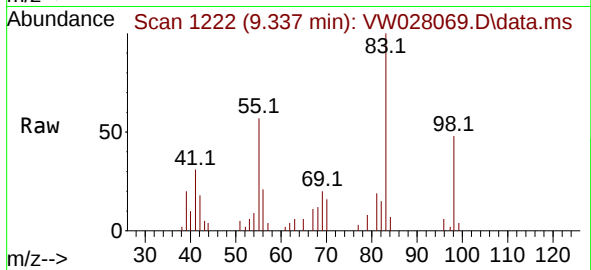
#35
Methylcyclohexane
Concen: 1.100 ug/L
RT: 9.337 min Scan# 1222
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

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

Tgt Ion: 83 Resp: 610
Ion Ratio Lower Upper
83 100
55 65.3 52.3 78.5
98 51.1 41.9 62.9

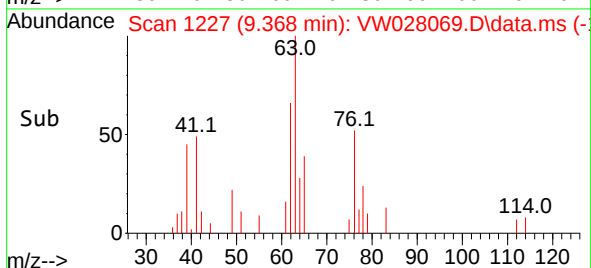
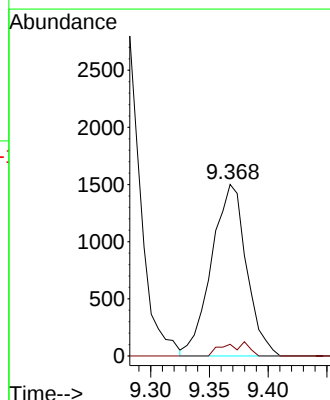
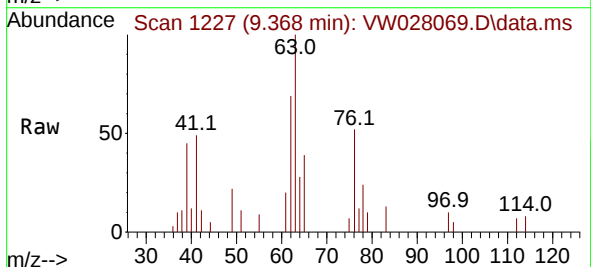
Manual Integrations
APPROVED

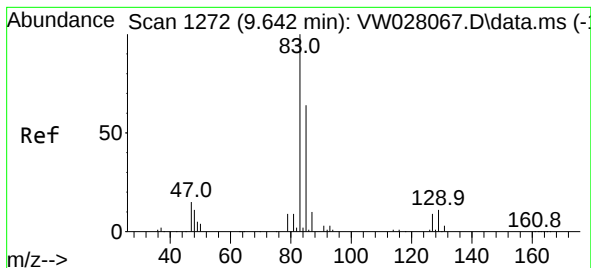
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#37
1,2-Dichloropropane
Concen: 1.123 ug/L
RT: 9.368 min Scan# 1227
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

Tgt Ion: 63 Resp: 3097
Ion Ratio Lower Upper
63 100
112 3.6 4.2 6.2#





#38

Bromodichloromethane

Concen: 1.280 ug/L

RT: 9.642 min Scan# 1272

Delta R.T. 0.000 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Instrument :

MSVOA_W

ClientSampleId :

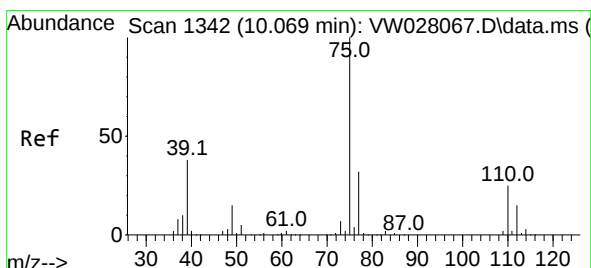
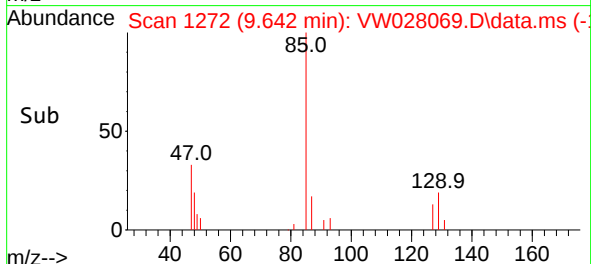
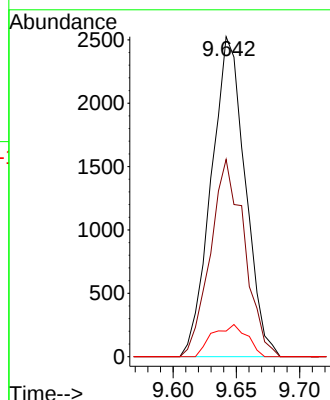
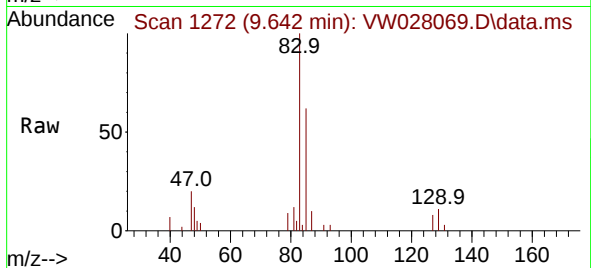
MDL-SOIL-QT1-2024-01

Tgt Ion: 83	Resp: 4714
Ion Ratio	Lower Upper
83 100	
85 61.6	44.7 83.1
127 8.0	7.1 10.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#39

cis-1,3-Dichloropropene

Concen: 1.271 ug/L

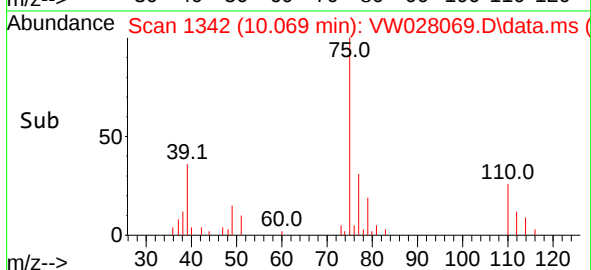
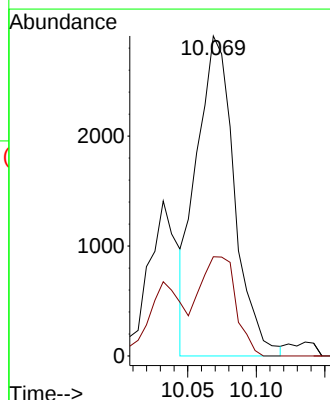
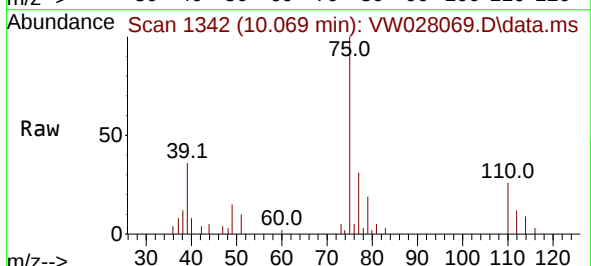
RT: 10.069 min Scan# 1342

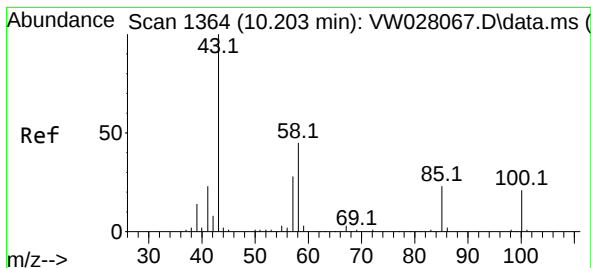
Delta R.T. 0.000 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Tgt Ion: 75	Resp: 5620
Ion Ratio	Lower Upper
75 100	
77 31.0	22.4 41.6





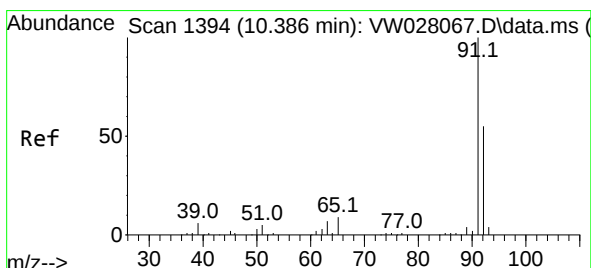
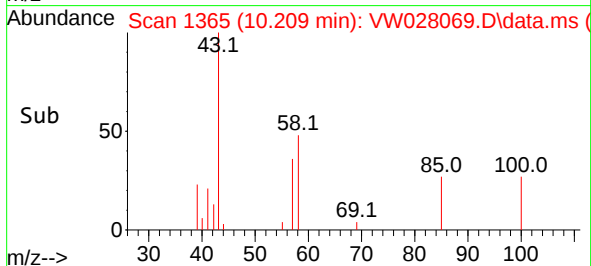
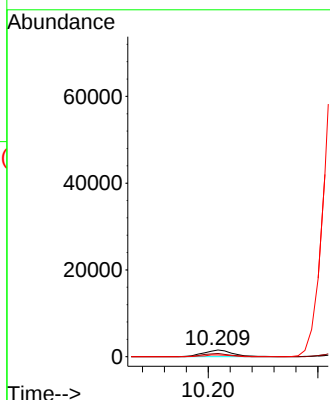
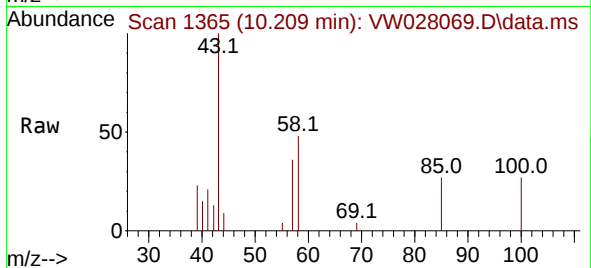
#40
4-Methyl-2-pentanone
Concen: 2.716 ug/L
RT: 10.209 min Scan# 1365
Delta R.T. 0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

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

Tgt Ion: 43 Resp: 2828
Ion Ratio Lower Upper
43 100
58 45.1 36.7 55.1
100 24.3 18.4 27.6

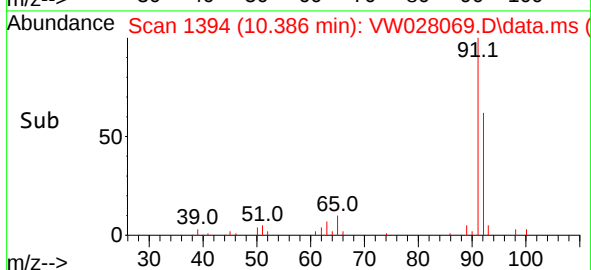
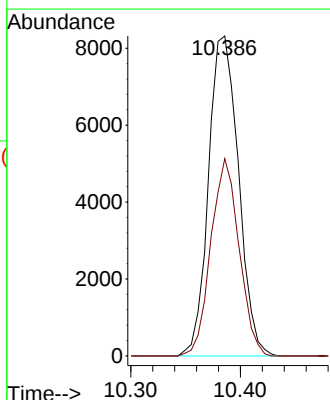
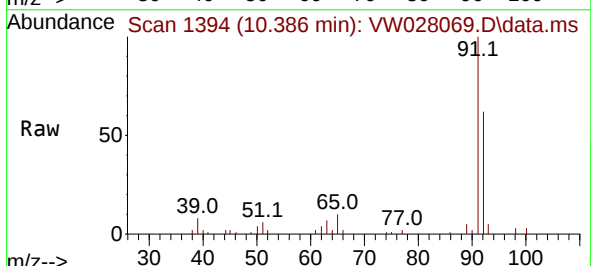
Manual Integrations
APPROVED

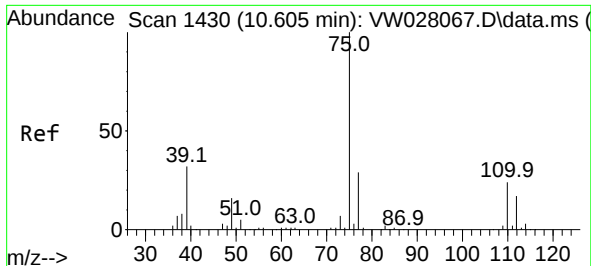
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#42
Toluene
Concen: 1.202 ug/L
RT: 10.386 min Scan# 1394
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

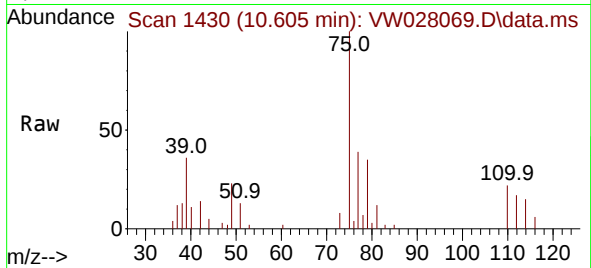
Tgt Ion: 91 Resp: 15817
Ion Ratio Lower Upper
91 100
92 61.7 38.8 72.0





#44
trans-1,3-Dichloropropene
Concen: 1.294 ug/L m
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

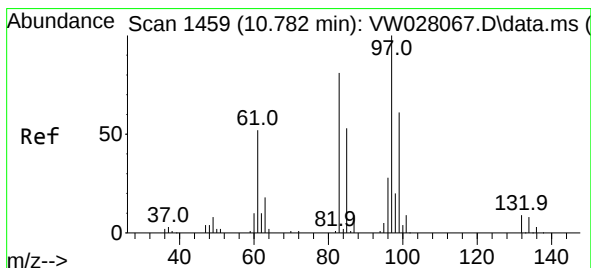
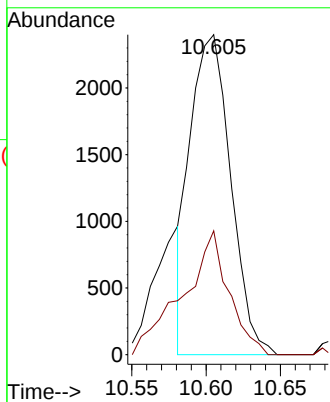
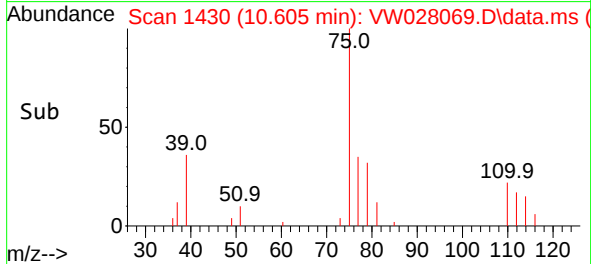
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 75 Resp: 454
Ion Ratio Lower Upper
75 100
77 38.7 21.5 39.9

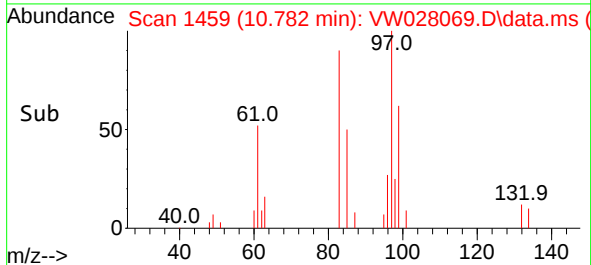
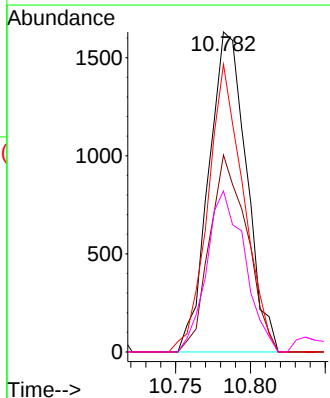
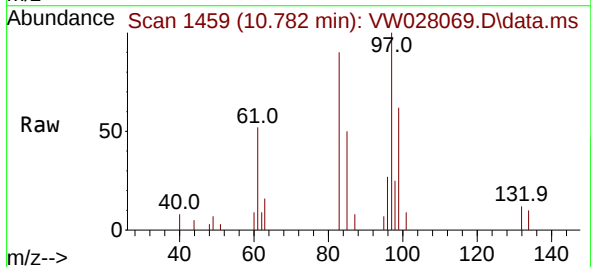
Manual Integrations
APPROVED

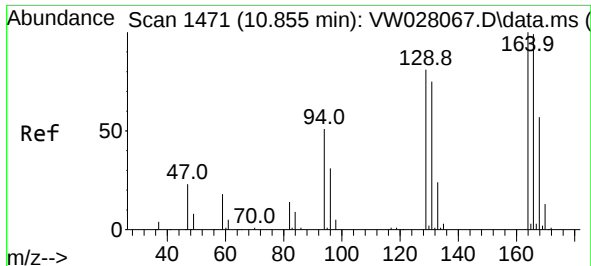
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#45
1,1,2-Trichloroethane
Concen: 1.313 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

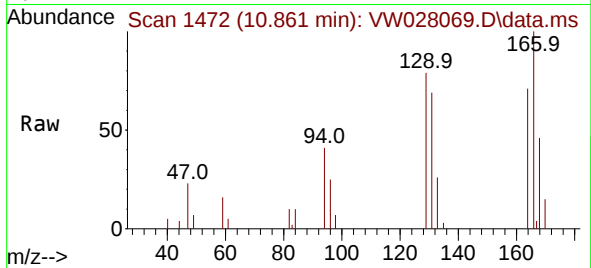
Tgt Ion: 97 Resp: 2867
Ion Ratio Lower Upper
97 100
99 61.6 43.3 80.5
83 89.9 57.2 106.2
85 50.3 35.5 65.9





#46
Tetrachloroethene
Concen: 1.125 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

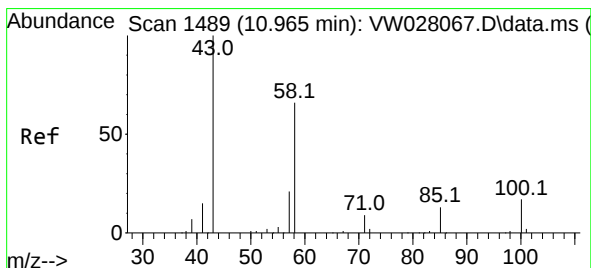
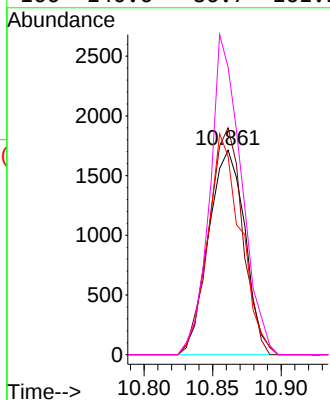
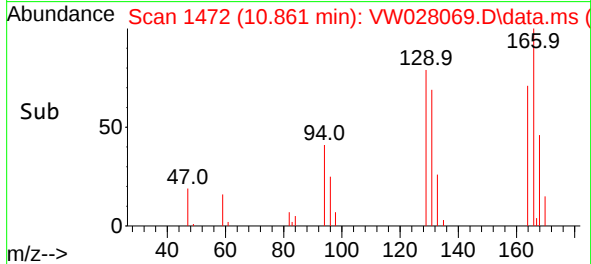
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



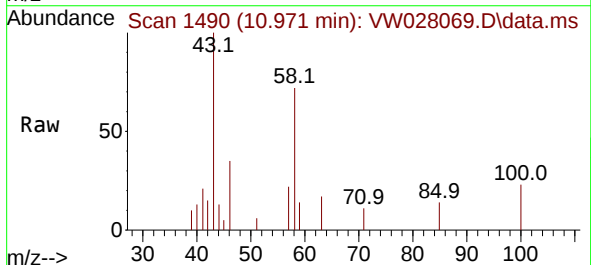
Tgt Ion:164 Resp: 319
Ion Ratio Lower Upper
164 100
129 110.9 59.4 110.2
131 96.9 65.0 120.6
166 140.6 86.7 161.1

Manual Integrations
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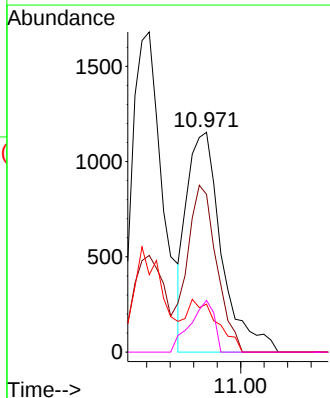
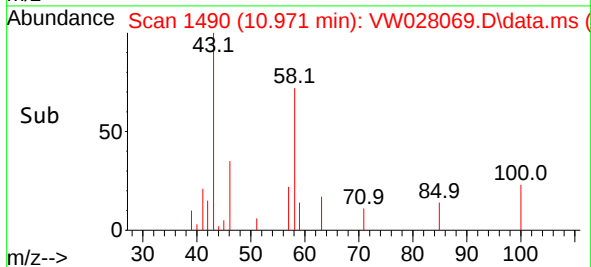
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024

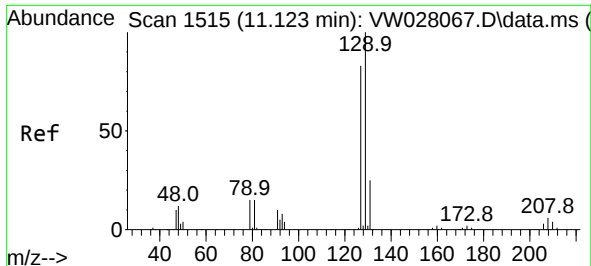


#48
2-Hexanone
Concen: 3.012 ug/L
RT: 10.971 min Scan# 1490
Delta R.T. 0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41



Tgt Ion: 43 Resp: 2375
Ion Ratio Lower Upper
43 100
58 65.2 51.4 77.2
57 21.6 17.4 26.2
100 16.2 14.4 21.6





#49

Dibromochloromethane

Concen: 1.279 ug/L

RT: 11.129 min Scan# 1515

Delta R.T. 0.006 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2024-01

Tgt Ion:129 Resp: 318

Ion Ratio Lower Upper

129 100

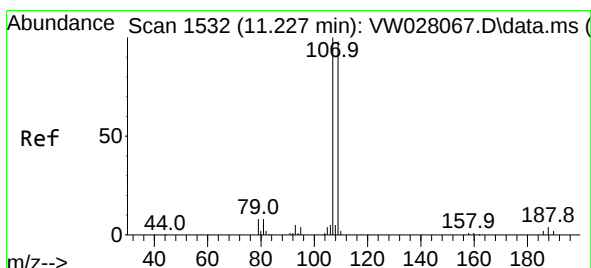
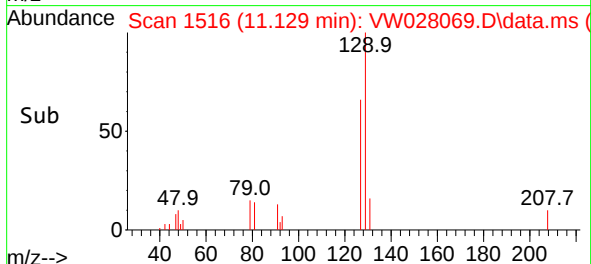
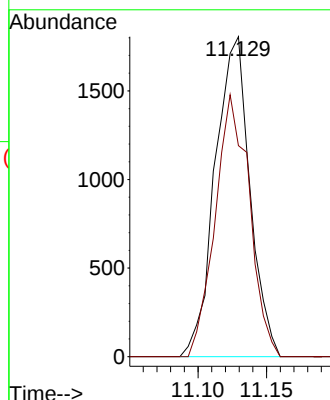
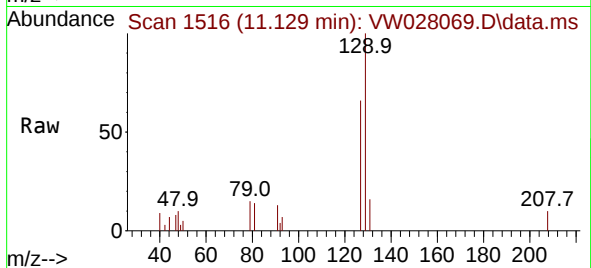
127 65.9 49.6 92.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024

Supervised By :Mahesh Dadoda 02/28/2024



#50

1,2-Dibromoethane

Concen: 1.327 ug/L

RT: 11.233 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

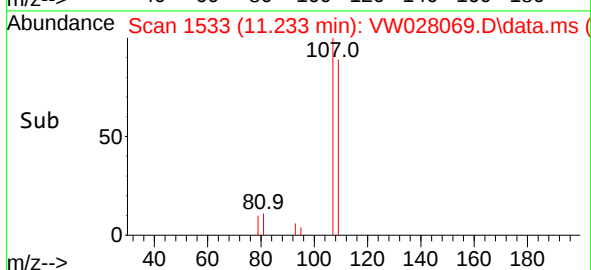
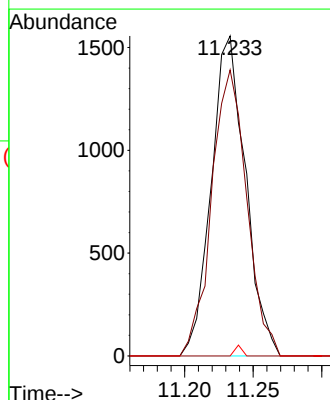
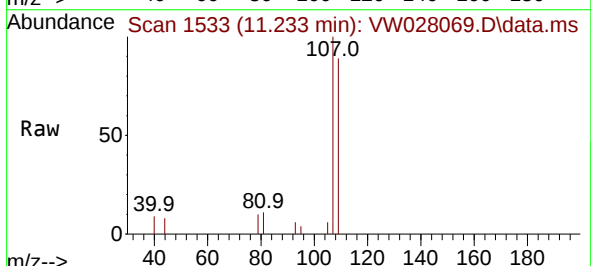
Tgt Ion:107 Resp: 2705

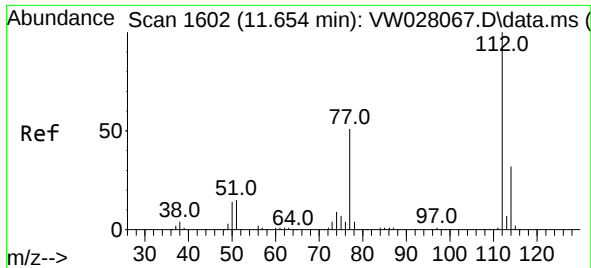
Ion Ratio Lower Upper

107 100

109 89.4 71.2 132.2

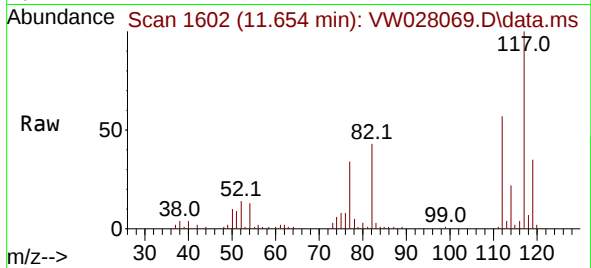
188 0.0 3.1 4.7#





#51
Chlorobenzene
Concen: 1.257 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

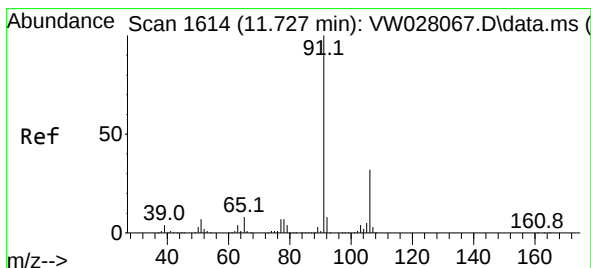
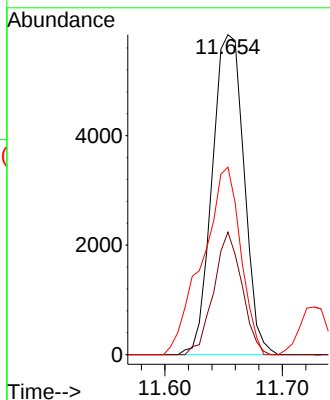
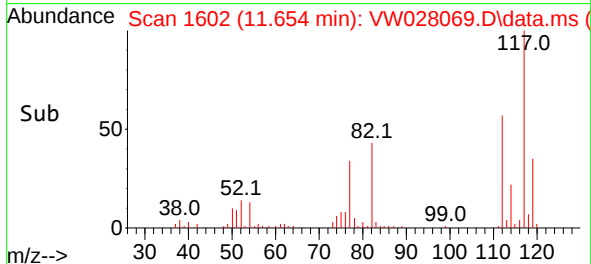
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 112 Resp: 1100
Ion Ratio Lower Upper
112 100
114 38.3 22.7 42.3
77 58.6 42.6 64.0

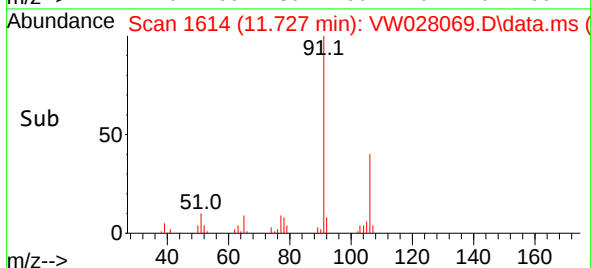
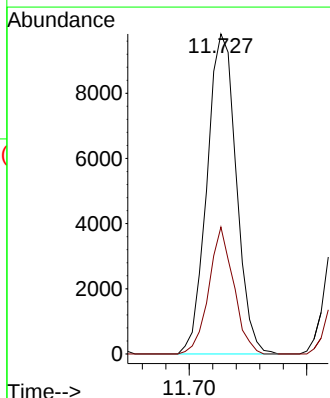
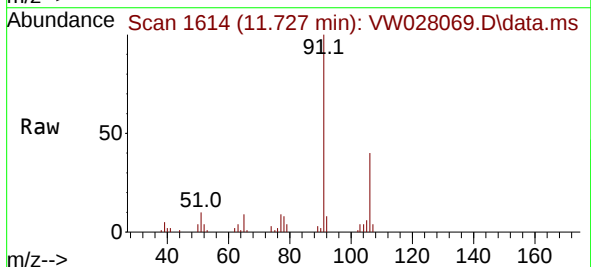
Manual Integrations
APPROVED

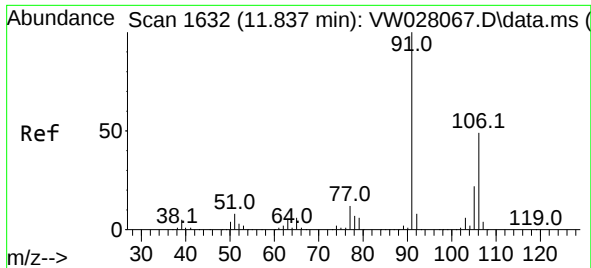
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#52
Ethylbenzene
Concen: 1.145 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

Tgt Ion: 91 Resp: 16996
Ion Ratio Lower Upper
91 100
106 39.6 22.8 42.4





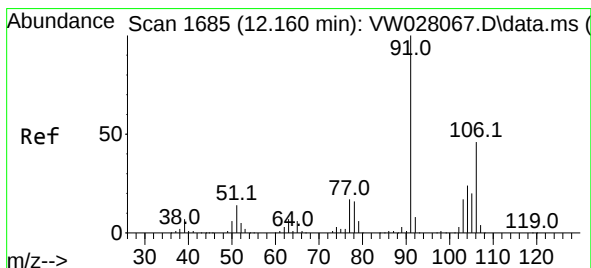
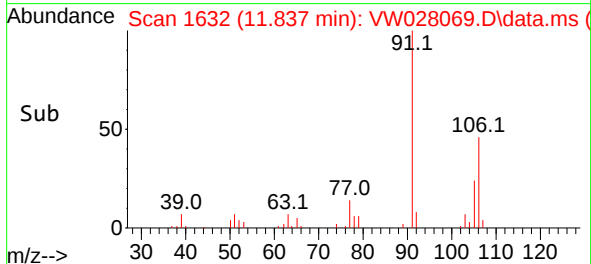
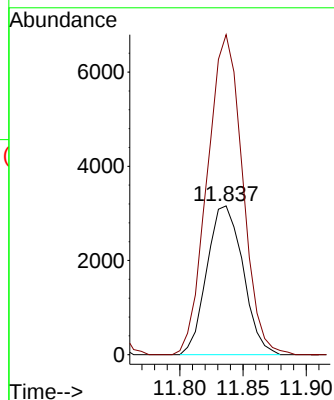
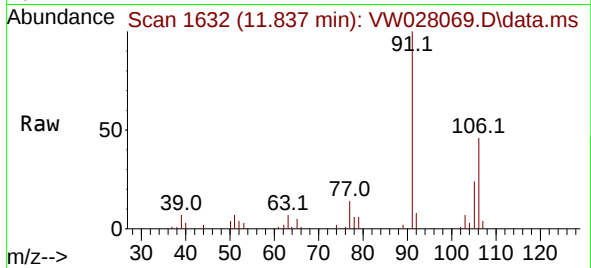
#53
m,p-Xylene
Concen: 1.078 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

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

Tgt Ion:106 Resp: 627
Ion Ratio Lower Upper
106 100
91 215.1 130.0 241.4

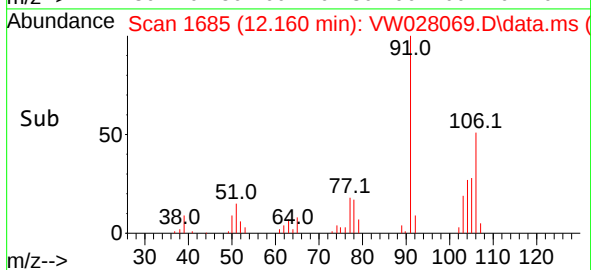
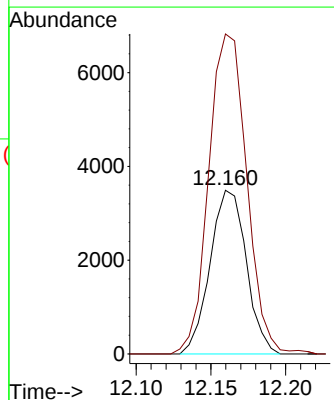
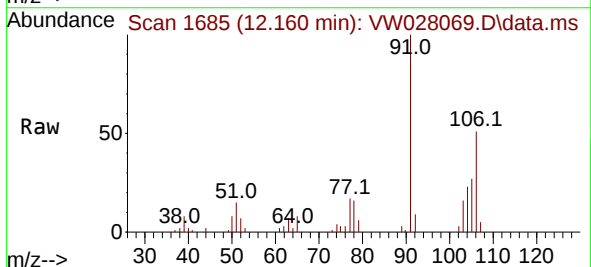
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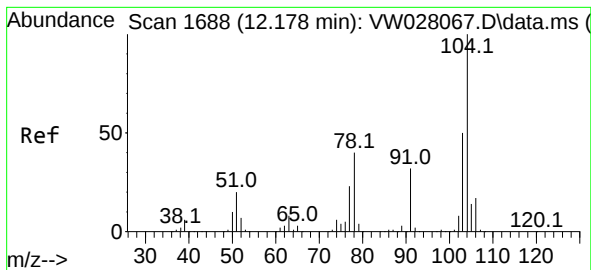
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#54
o-Xylene
Concen: 1.075 ug/L
RT: 12.160 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

Tgt Ion:106 Resp: 5869
Ion Ratio Lower Upper
106 100
91 195.5 146.4 272.0





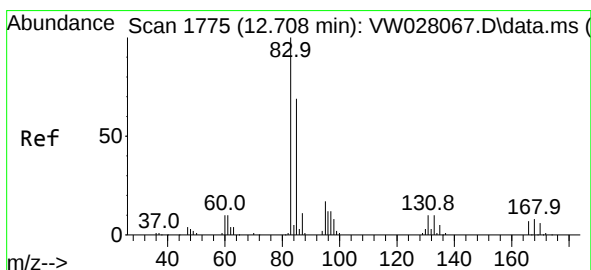
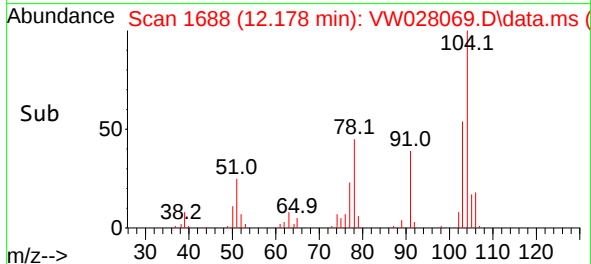
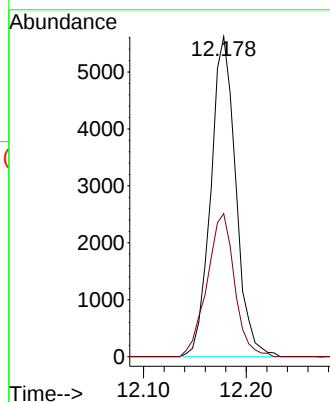
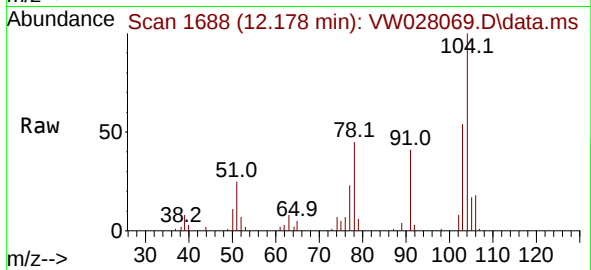
#55
Styrene
Concen: 1.044 ug/L
RT: 12.178 min Scan# 1688
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

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

Tgt Ion:104 Resp: 949
Ion Ratio Lower Upper
104 100
78 44.7 28.3 52.7

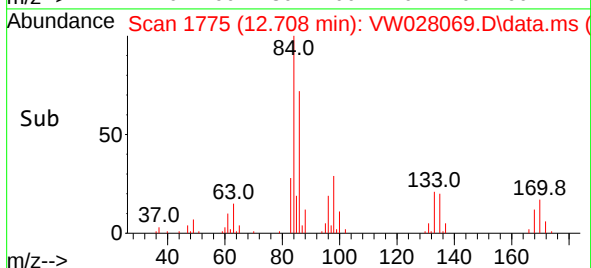
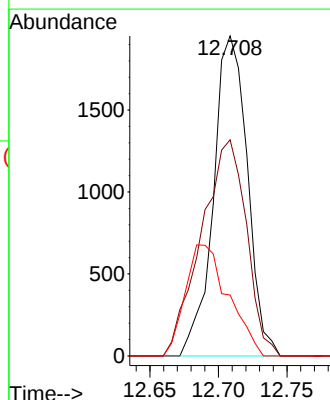
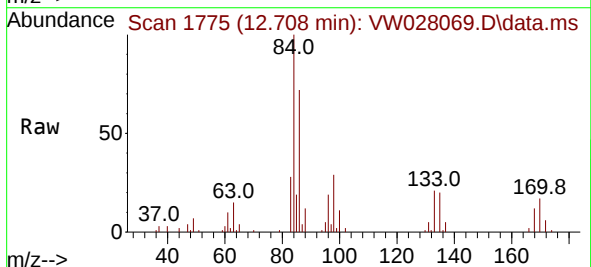
Manual Integrations
APPROVED

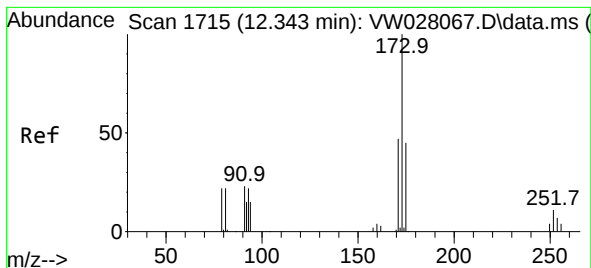
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#57
1,1,2,2-Tetrachloroethane
Concen: 1.438 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

Tgt Ion: 83 Resp: 3362
Ion Ratio Lower Upper
83 100
85 67.5 42.9 79.7
131 19.1 8.7 13.1#





#59

Bromoform

Concen: 1.230 ug/L

RT: 12.349 min Scan# 1715

Delta R.T. 0.006 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Instrument :

MSVOA_W

ClientSampleId :

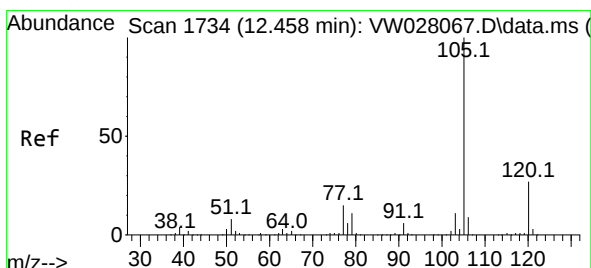
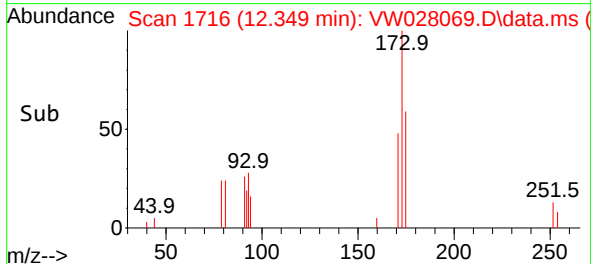
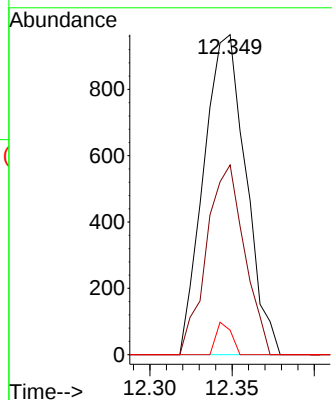
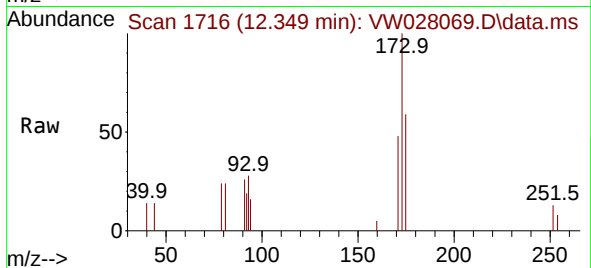
MDL-SOIL-QT1-2024-01

Tgt Ion:	173	Resp:	1719
Ion Ratio	Lower	Upper	
173	100		
175	53.4	37.8	56.8
254	3.7	8.4	12.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#60

Isopropylbenzene

Concen: 1.041 ug/L

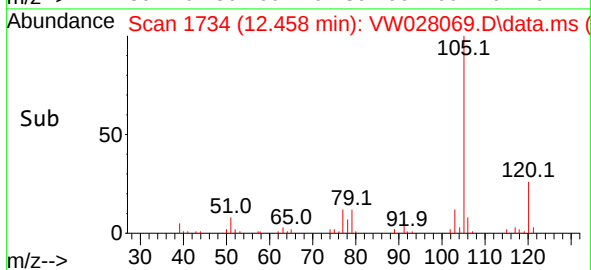
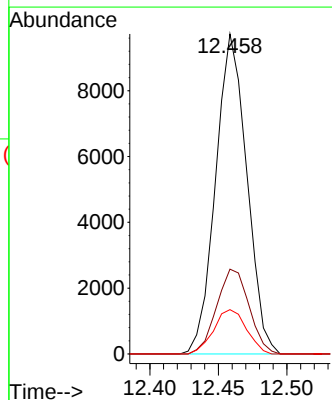
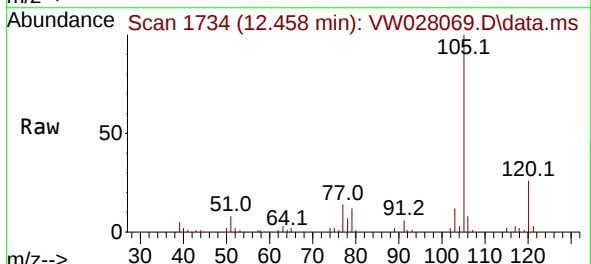
RT: 12.458 min Scan# 1734

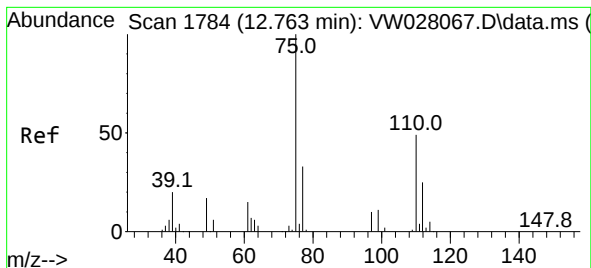
Delta R.T. 0.000 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Tgt Ion:	105	Resp:	15387
Ion Ratio	Lower	Upper	
105	100		
120	27.5	22.2	33.2
77	14.6	11.8	17.6





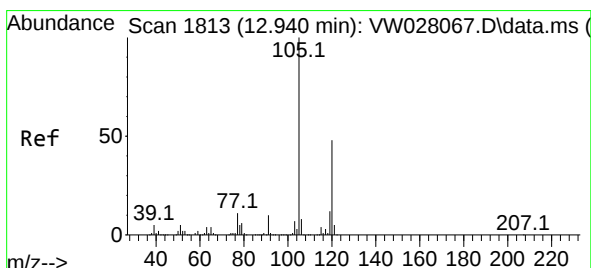
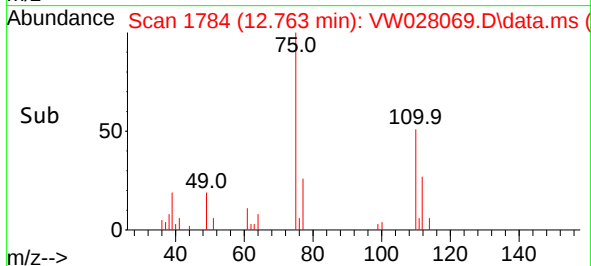
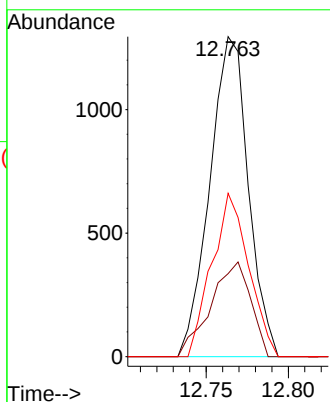
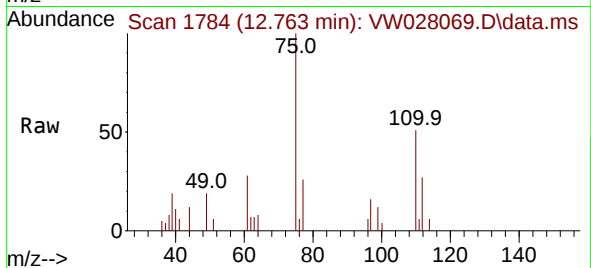
#61
1,2,3-Trichloropropane
Concen: 1.335 ug/L
RT: 12.763 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

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

Tgt Ion: 75 Resp: 2109
Ion Ratio Lower Upper
75 100
77 30.7 26.5 39.7
110 48.9 35.8 53.8

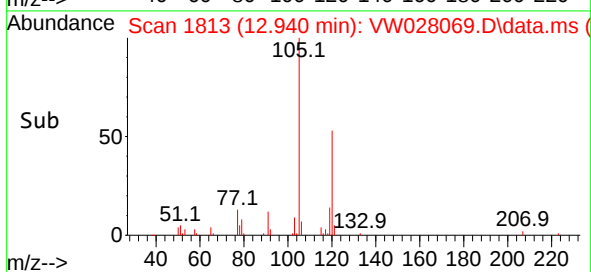
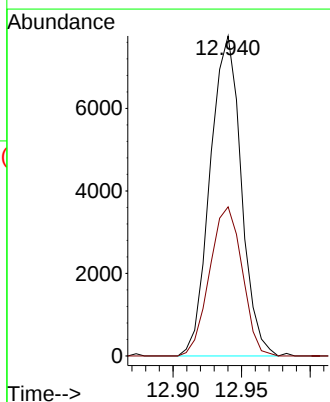
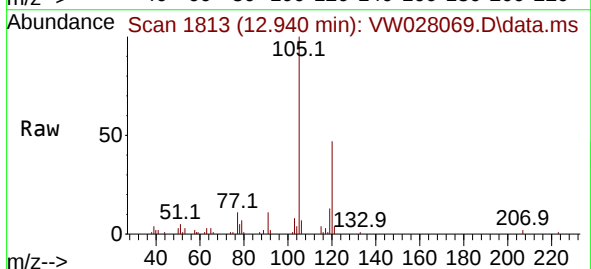
Manual Integrations
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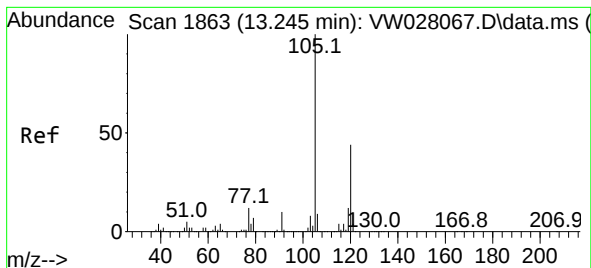
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#62
1,3,5-Trimethylbenzene
Concen: 1.035 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

Tgt Ion:105 Resp: 12245
Ion Ratio Lower Upper
105 100
120 48.8 40.3 60.5





#63

1,2,4-Trimethylbenzene

Concen: 0.969 ug/L

RT: 13.245 min Scan# 11219

Delta R.T. 0.000 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2024-01

Tgt Ion:105 Resp: 11219

Ion Ratio Lower Upper

105 100

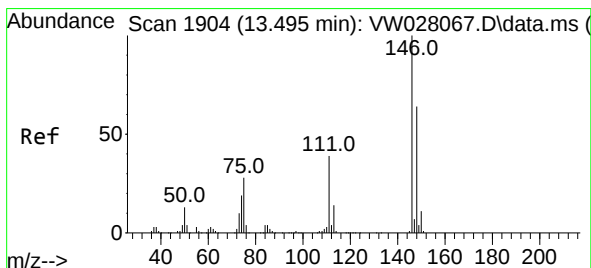
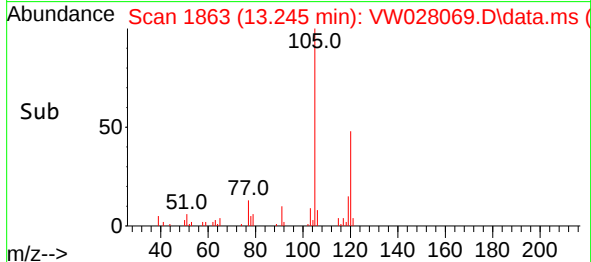
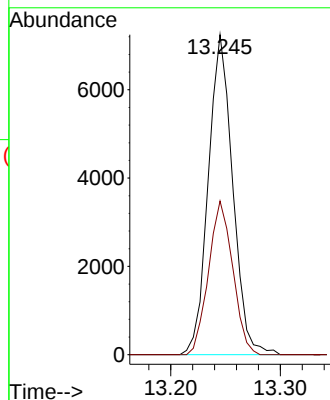
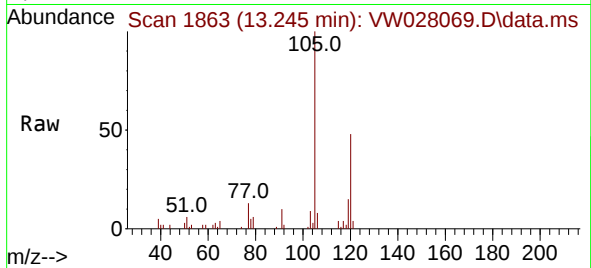
120 47.7 36.4 54.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024

Supervised By :Mahesh Dadoda 02/28/2024



#64

1,3-Dichlorobenzene

Concen: 1.131 ug/L

RT: 13.501 min Scan# 1905

Delta R.T. 0.006 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

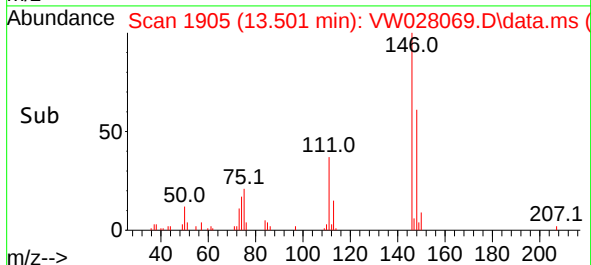
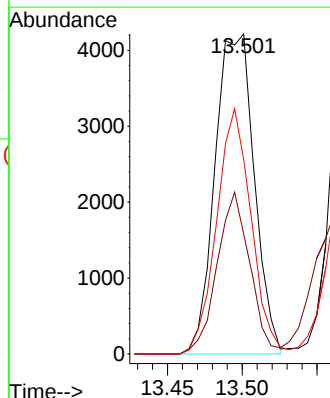
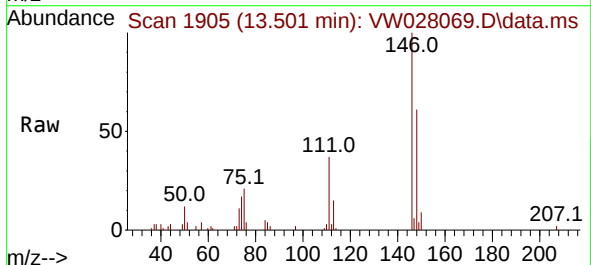
Tgt Ion:146 Resp: 7682

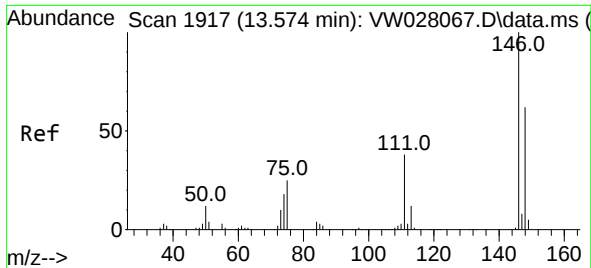
Ion Ratio Lower Upper

146 100

111 37.4 26.9 49.9

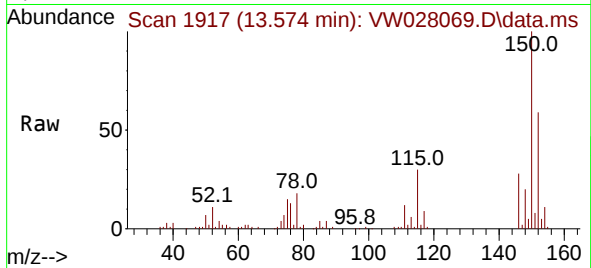
148 60.7 41.2 76.6





#65
1,4-Dichlorobenzene
Concen: 1.199 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

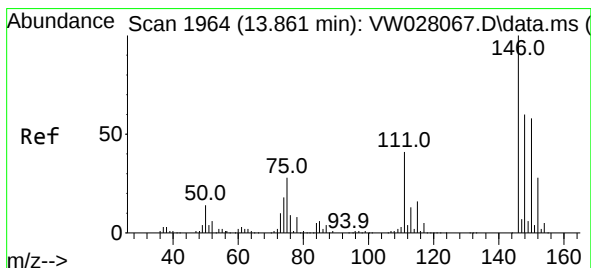
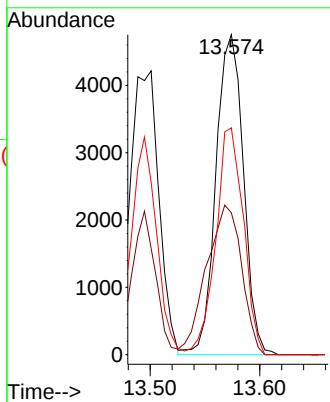
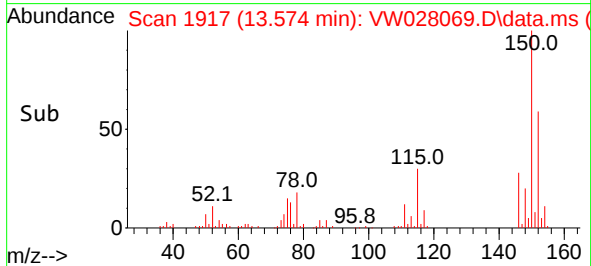
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



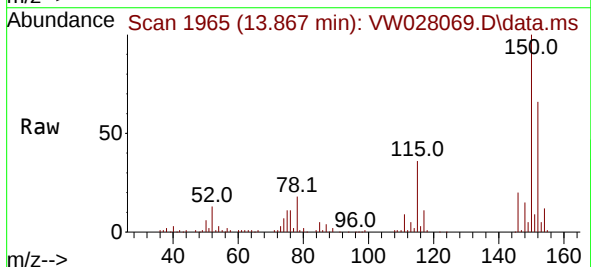
Tgt Ion:146 Resp: 828
Ion Ratio Lower Upper
146 100
111 44.3 24.1 44.8
148 70.9 43.6 81.0

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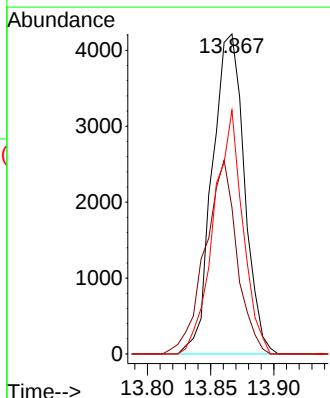
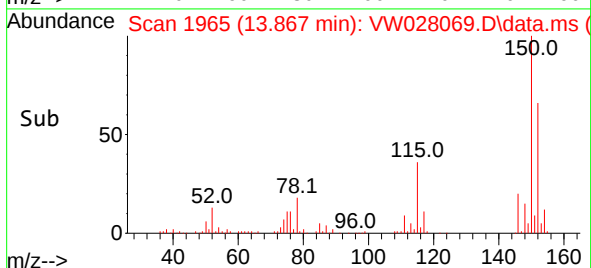
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024

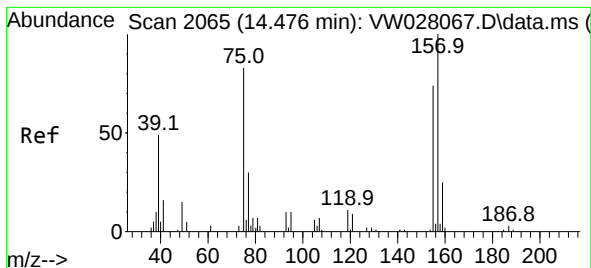


#67
1,2-Dichlorobenzene
Concen: 1.237 ug/L
RT: 13.867 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41



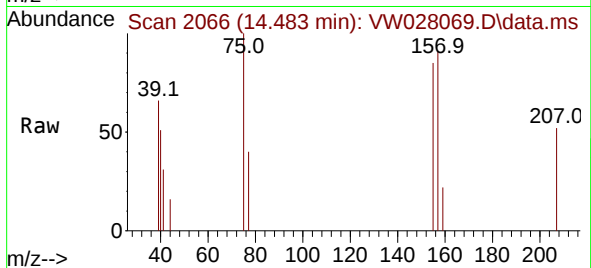
Tgt Ion:146 Resp: 7420
Ion Ratio Lower Upper
146 100
111 45.8 30.6 46.0
148 76.2 48.6 72.8#





#68
1,2-Dibromo-3-chloropropane
Concen: 1.520 ug/L m
RT: 14.483 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

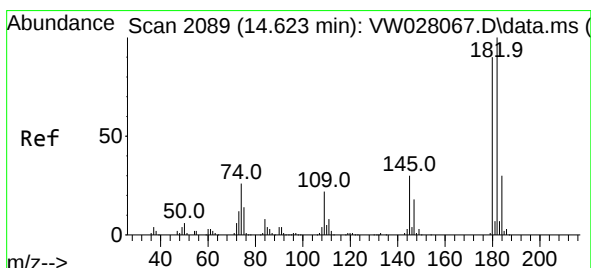
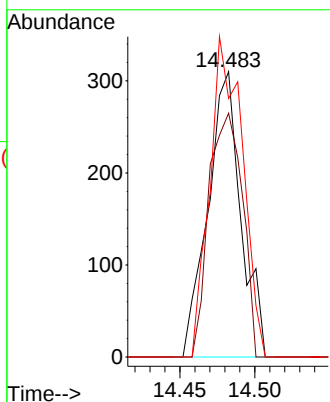
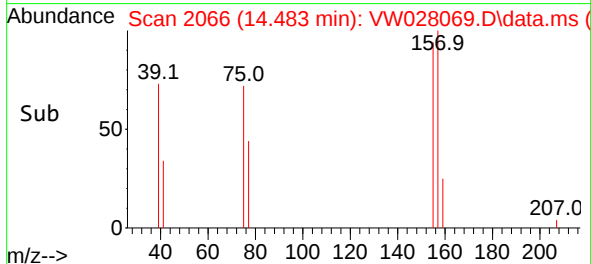
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2024-01



Tgt Ion: 75 Resp: 477
Ion Ratio Lower Upper
75 100
155 85.5 68.7 103.1
157 90.6 96.7 145.1

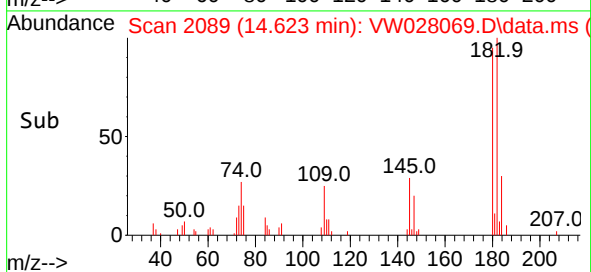
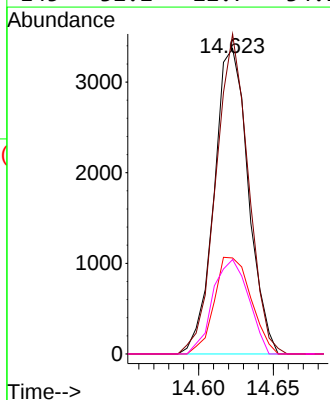
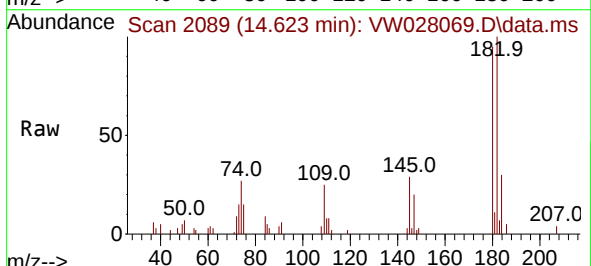
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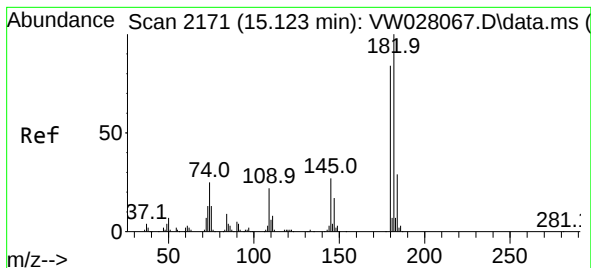
Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024



#69
1,3,5-Trichlorobenzene
Concen: 1.099 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. 0.000 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

Tgt Ion:180 Resp: 5359
Ion Ratio Lower Upper
180 100
182 99.3 72.1 108.1
184 33.9 24.4 36.6
145 32.2 22.7 34.1





#70

1,2,4-trichlorobenzene

Concen: 1.189 ug/L

RT: 15.129 min Scan# 2171

Delta R.T. 0.006 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2024-01

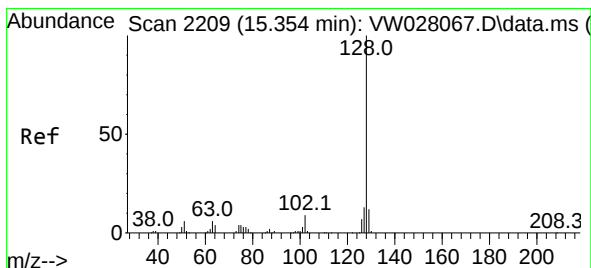
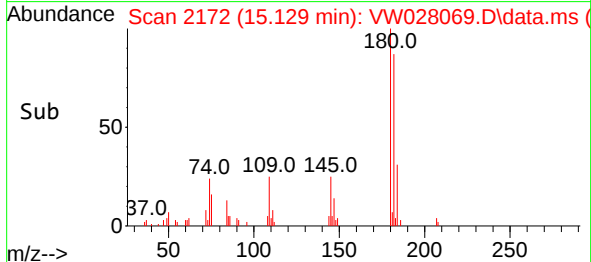
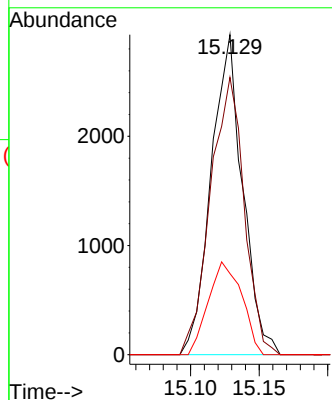
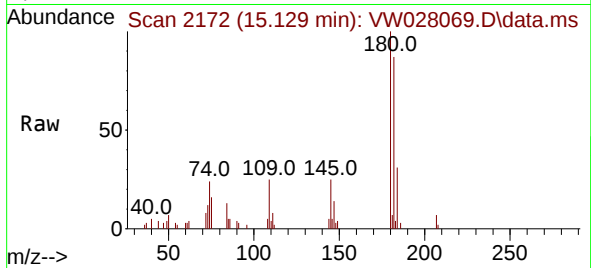
Tgt Ion:180	Resp:	468
Ion Ratio	Lower	Upper
180	100	
182	92.9	77.0 115.6
145	30.9	23.4 35.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024

Supervised By :Mahesh Dadoda 02/28/2024



#71

Naphthalene

Concen: 1.176 ug/L

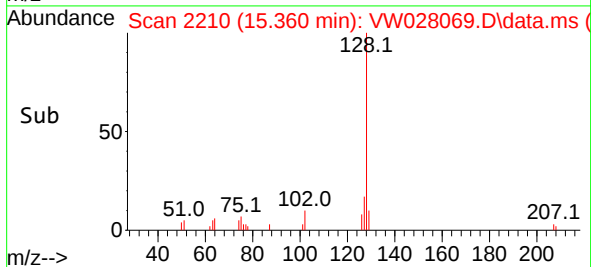
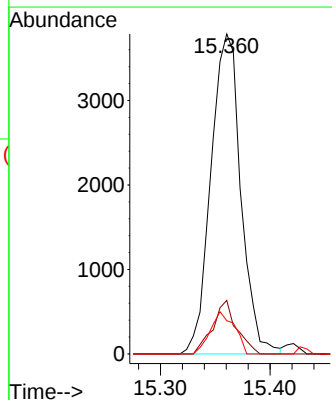
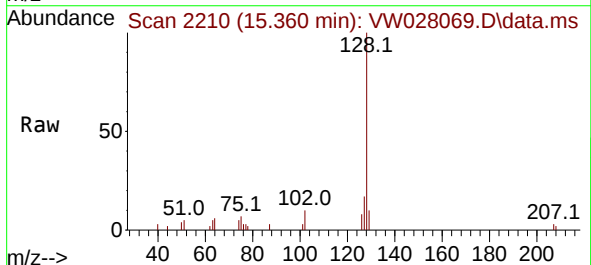
RT: 15.360 min Scan# 2210

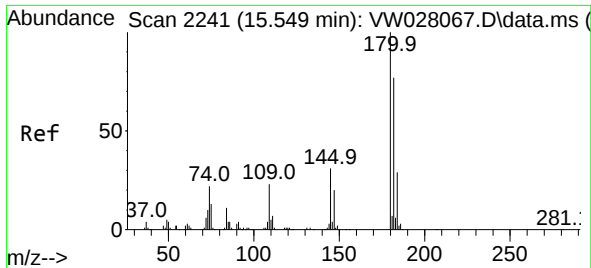
Delta R.T. 0.006 min

Lab File: VW028069.D

Acq: 27 Feb 2024 10:41

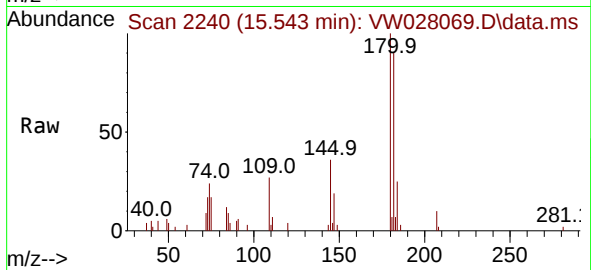
Tgt Ion:128	Resp:	7199
Ion Ratio	Lower	Upper
128	100	
127	13.2	10.2 15.4
129	10.6	8.4 12.6





#72
1,2,3-Trichlorobenzene
Concen: 1.275 ug/L
RT: 15.543 min Scan# 21
Delta R.T. -0.006 min
Lab File: VW028069.D
Acq: 27 Feb 2024 10:41

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



Tgt Ion:180 Resp: 4190
Ion Ratio Lower Upper
180 100
182 101.2 76.5 114.7
145 34.4 25.8 38.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2024
Supervised By :Mahesh Dadoda 02/28/2024

