

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW101323\
 Data File : VW027302.D
 Acq On : 13 Oct 2023 12:33
 Operator : SY/MD
 Sample : 04696-04 1 PBB MDL
 Misc : 5.00g/10mL/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Oct 16 02:03:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
 QLast Update : Mon Oct 16 01:55:11 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
 Supervised By :Mahesh Dadoda 10/16/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	8.837	114	468239	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	432798	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	215811	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.369	65	182616	25.555	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 102.200%		
7) Chloroethane-d5	2.899	69	137581	26.813	ug/L	0.00
Spiked Amount	25.000	Range 30 - 150	Recovery	= 107.240%		
11) 1,1-Dichloroethene-d2	4.021	65	92839	25.928	ug/L	0.00
Spiked Amount	25.000	Range 45 - 110	Recovery	= 103.720%		
21) 2-Butanone-d5	7.075	46	111942	47.130	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 94.260%		
24) Chloroform-d	7.648	84	352924	25.289	ug/L	0.00
Spiked Amount	25.000	Range 40 - 150	Recovery	= 101.160%		
26) 1,2-Dichloroethane-d4	8.307	65	194667m	25.967	ug/L	0.00
Spiked Amount	25.000	Range 70 - 130	Recovery	= 103.880%		
32) Benzene-d6	8.276	84	762099	26.026	ug/L	0.00
Spiked Amount	25.000	Range 20 - 135	Recovery	= 104.120%		
36) 1,2-Dichloropropane-d6	9.270	67	229939	25.709	ug/L	0.00
Spiked Amount	25.000	Range 70 - 120	Recovery	= 102.840%		
41) Toluene-d8	10.319	98	678936	25.569	ug/L	0.00
Spiked Amount	25.000	Range 30 - 130	Recovery	= 102.280%		
43) trans-1,3-Dichloroprop...	10.575	79	100563	24.661	ug/L	0.00
Spiked Amount	25.000	Range 30 - 135	Recovery	= 98.640%		
47) 2-Hexanone-d5	10.922	63	90610	48.967	ug/L	0.00
Spiked Amount	50.000	Range 20 - 135	Recovery	= 97.940%		
56) 1,1,2,2-Tetrachloroeth...	12.690	84	164825	24.701	ug/L	0.00
Spiked Amount	25.000	Range 45 - 120	Recovery	= 98.800%		
66) 1,2-Dichlorobenzene-d4	13.849	152	200138	25.591	ug/L	0.00
Spiked Amount	25.000	Range 75 - 120	Recovery	= 102.360%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.021	85	5570m	1.000	ug/L	
3) Chloromethane	2.223	50	8889	1.388	ug/L	100
5) Vinyl chloride	2.381	62	9827m	1.374	ug/L	
6) Bromomethane	2.790	94	4967	1.219	ug/L	98
8) Chloroethane	2.936	64	5278	1.282	ug/L	96
9) Trichlorofluoromethane	3.265	101	4971m	0.985	ug/L	
10) 1,1,2-Trichloro-1,2,2-...	4.076	101	9952m	1.575	ug/L	
12) 1,1-Dichloroethene	4.039	96	10192m	1.660	ug/L	
13) Acetone	4.125	43	6033m	2.941	ug/L	
14) Carbon disulfide	4.387	76	24174	1.270	ug/L	100
15) Methyl Acetate	4.679	43	3821	1.091	ug/L #	75
16) Methylene chloride	4.923	84	28726	3.352	ug/L	99
17) trans-1,2-Dichloroethene	5.423	96	7721	1.170	ug/L	93
18) Methyl tert-butyl Ether	5.423	73	14149	1.243	ug/L #	86
19) 1,1-Dichloroethane	6.222	63	16401	1.218	ug/L	99
20) cis-1,2-Dichloroethene	7.173	96	9158	1.229	ug/L	95
22) 2-Butanone	7.173	43	10939m	3.562	ug/L	
23) Bromochloromethane	7.508	128	3842	1.249	ug/L	97
25) Chloroform	7.679	83	17023	1.351	ug/L	92

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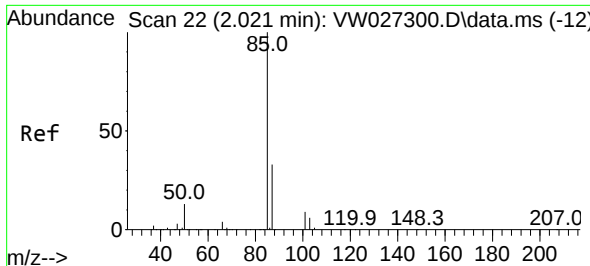
Quant Time: Oct 16 02:03:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM101123SMA.M
 Quant Title : SFAM01.0
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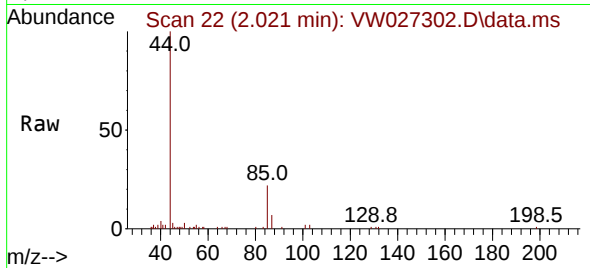
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.398	62	11399	1.332	ug/L #	94
29) Cyclohexane	7.959	56	15831	1.205	ug/L #	90
30) 1,1,1-Trichloroethane	7.874	97	12679	1.201	ug/L	100
31) Carbon tetrachloride	8.063	117	11056	1.161	ug/L	99
33) Benzene	8.325	78	35031	1.239	ug/L	100
34) Trichloroethene	9.087	95	9259	1.239	ug/L	89
35) Methylcyclohexane	9.331	83	14896	1.115	ug/L	96
37) 1,2-Dichloropropane	9.368	63	9080	1.187	ug/L	98
38) Bromodichloromethane	9.642	83	10813	1.150	ug/L	96
39) cis-1,3-Dichloropropene	10.069	75	13314	1.054	ug/L	95
40) 4-Methyl-2-pentanone	10.209	43	12862	2.445	ug/L	97
42) Toluene	10.386	91	35997	1.213	ug/L	100
44) trans-1,3-Dichloropropene	10.605	75	12942m	1.214	ug/L	
45) 1,1,2-Trichloroethane	10.782	97	6513	1.238	ug/L	93
46) Tetrachloroethene	10.861	164	5738	1.112	ug/L	92
48) 2-Hexanone	10.971	43	8950	2.299	ug/L	97
49) Dibromochloromethane	11.129	129	6672	1.142	ug/L	96
50) 1,2-Dibromoethane	11.233	107	6077	1.191	ug/L #	96
51) Chlorobenzene	11.654	112	21716	1.169	ug/L	99
52) Ethylbenzene	11.727	91	41081	1.191	ug/L	95
53) m,p-Xylene	11.837	106	15195	1.162	ug/L	94
54) o-Xylene	12.160	106	14773	1.180	ug/L	98
55) Styrene	12.178	104	24147	1.129	ug/L	94
57) 1,1,2,2-Tetrachloroethane	12.708	83	8438	1.313	ug/L #	88
59) Bromoform	12.349	173	3383	1.053	ug/L #	98
60) Isopropylbenzene	12.459	105	40375	1.191	ug/L	98
61) 1,2,3-Trichloropropane	12.769	75	6181	1.312	ug/L	95
62) 1,3,5-Trimethylbenzene	12.940	105	33141	1.172	ug/L	99
63) 1,2,4-Trimethylbenzene	13.245	105	32181	1.163	ug/L	98
64) 1,3-Dichlorobenzene	13.495	146	16032	1.166	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	16455	1.199	ug/L	91
67) 1,2-Dichlorobenzene	13.867	146	14417	1.182	ug/L	96
68) 1,2-Dibromo-3-chloropr...	14.476	75	1366	1.160	ug/L #	82
69) 1,3,5-Trichlorobenzene	14.623	180	11178	1.252	ug/L	98
70) 1,2,4-trichlorobenzene	15.129	180	9253	1.218	ug/L	96
71) Naphthalene	15.360	128	18925	1.211	ug/L	97
72) 1,2,3-Trichlorobenzene	15.549	180	7868	1.260	ug/L	98

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



#2
Dichlorodifluoromethane
Concen: 1.000 ug/L m
RT: 2.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

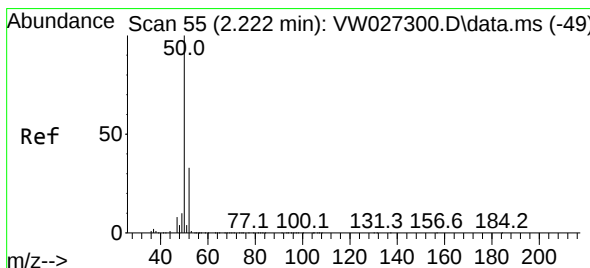
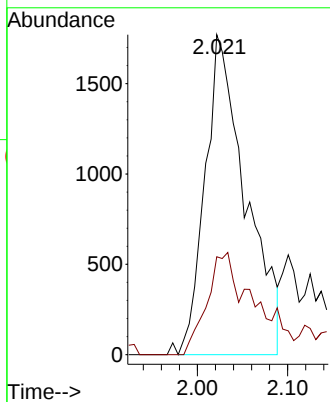
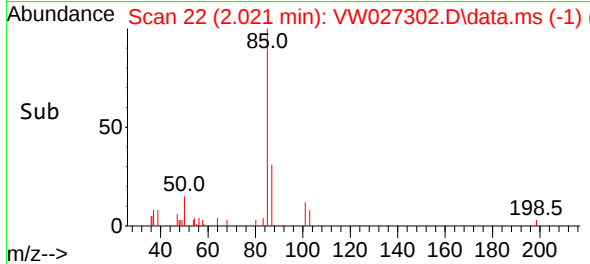
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



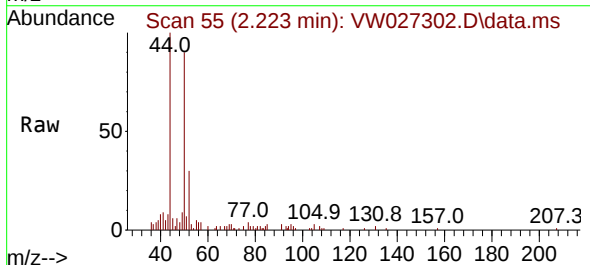
Tgt Ion: 85 Resp: 5570
Ion Ratio Lower Upper
85 100
87 22.0 18.3 27.5

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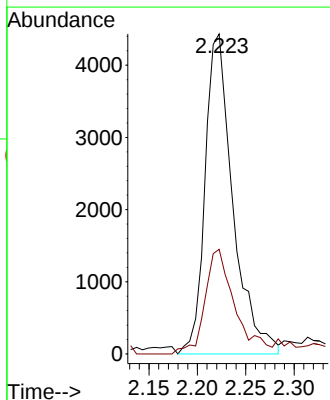
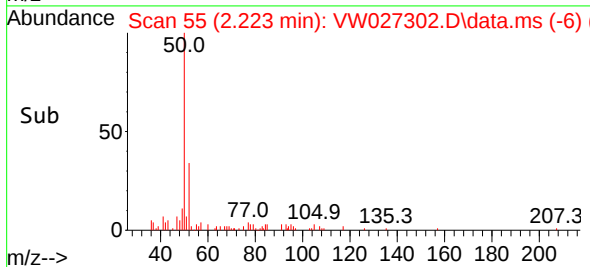
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023

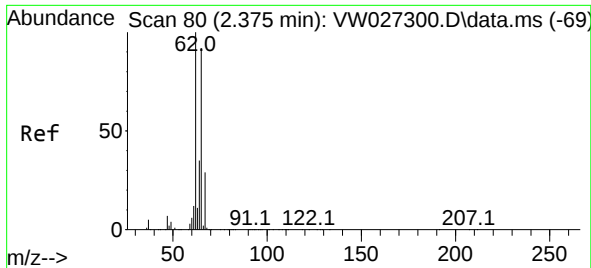


#3
Chloromethane
Concen: 1.388 ug/L
RT: 2.223 min Scan# 55
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33



Tgt Ion: 50 Resp: 8889
Ion Ratio Lower Upper
50 100
52 32.7 22.7 42.3





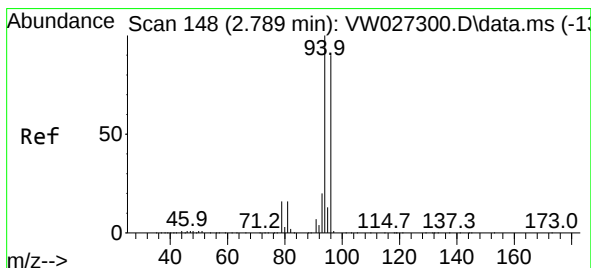
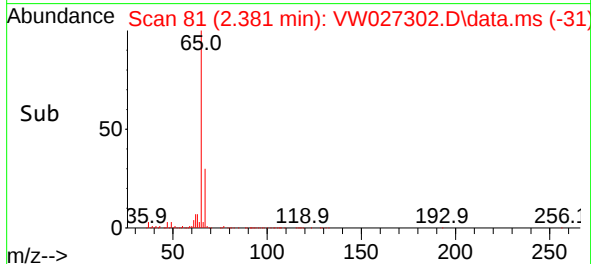
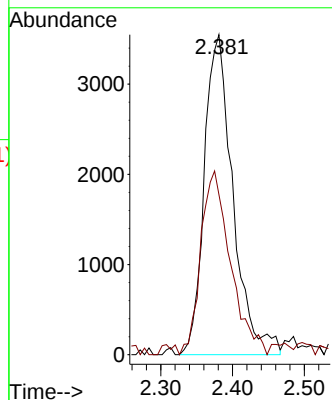
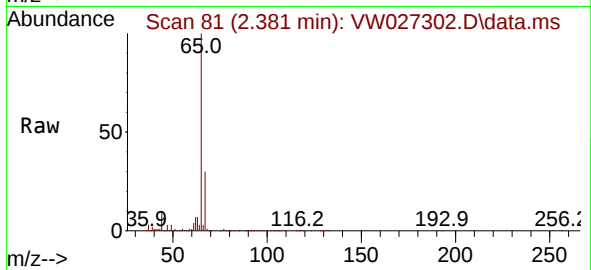
#5
 Vinyl chloride
 Concen: 1.374 ug/L m
 RT: 2.381 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: VW027302.D
 Acq: 13 Oct 2023 12:33

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

Tgt Ion: 62 Resp: 982
 Ion Ratio Lower Upper
 62 100
 64 50.1 23.8 44.2

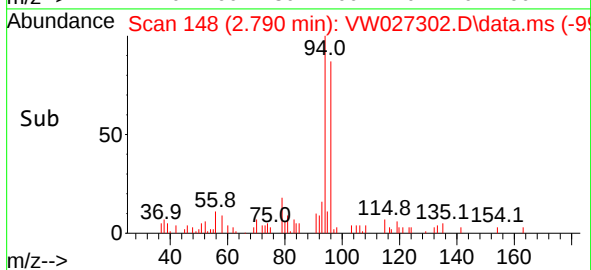
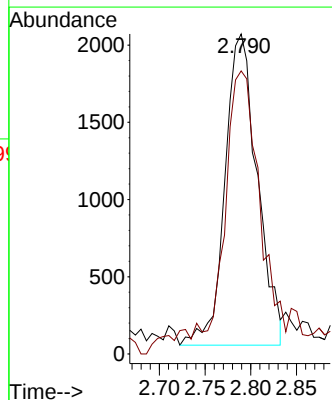
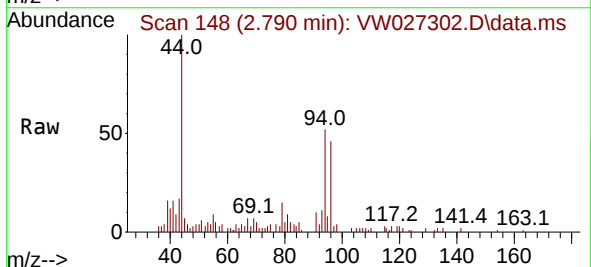
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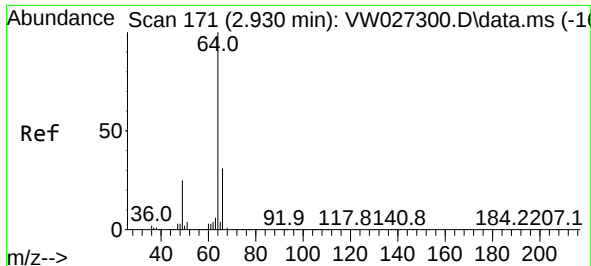
Reviewed By :Semsettin Yesilyurt 10/16/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#6
 Bromomethane
 Concen: 1.219 ug/L
 RT: 2.790 min Scan# 148
 Delta R.T. 0.000 min
 Lab File: VW027302.D
 Acq: 13 Oct 2023 12:33

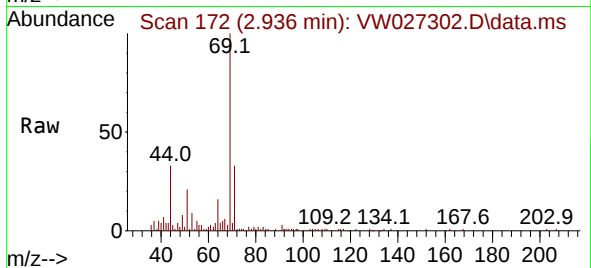
Tgt Ion: 94 Resp: 4967
 Ion Ratio Lower Upper
 94 100
 96 88.5 62.9 116.9





#8
Chloroethane
Concen: 1.282 ug/L
RT: 2.936 min Scan# 171
Delta R.T. 0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

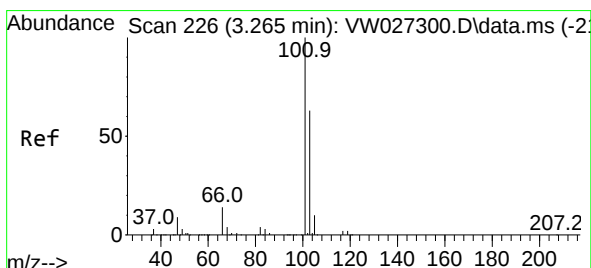
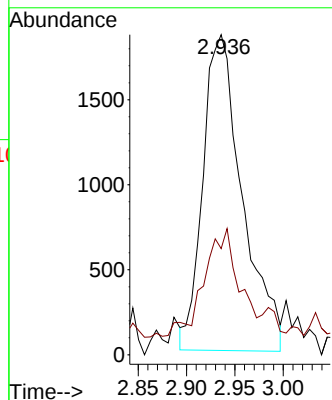
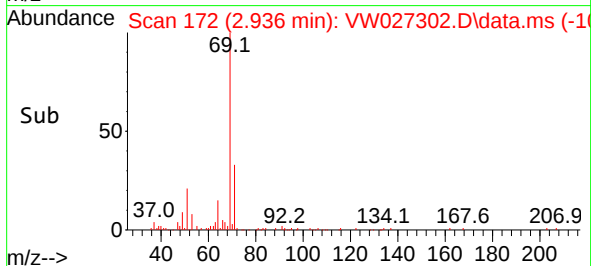
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 64 Resp: 5278
Ion Ratio Lower Upper
64 100
66 33.2 21.7 40.3

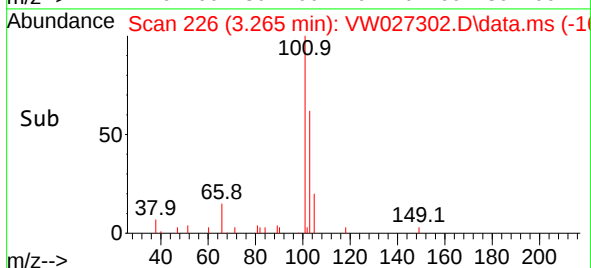
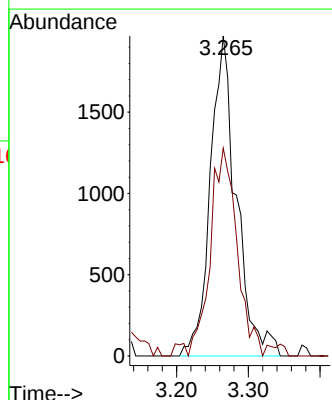
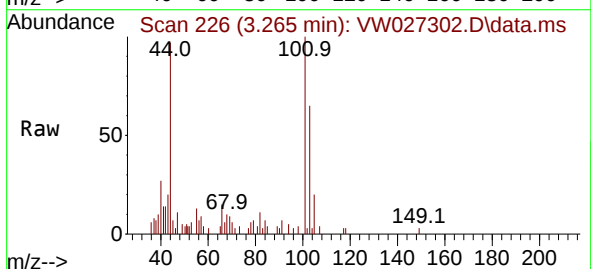
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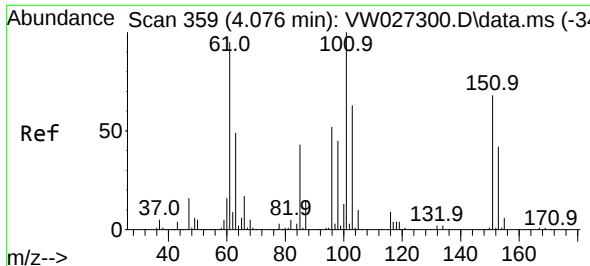
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#9
Trichlorofluoromethane
Concen: 0.985 ug/L m
RT: 3.265 min Scan# 226
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

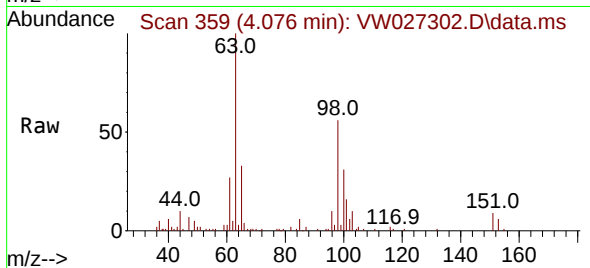
Tgt Ion:101 Resp: 4971
Ion Ratio Lower Upper
101 100
103 63.9 51.6 77.4





#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.575 ug/L m
RT: 4.076 min Scan# 359
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

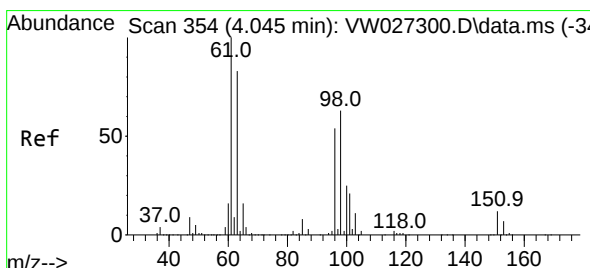
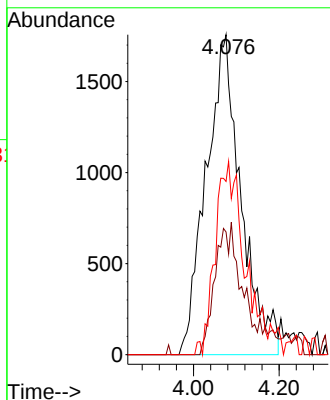
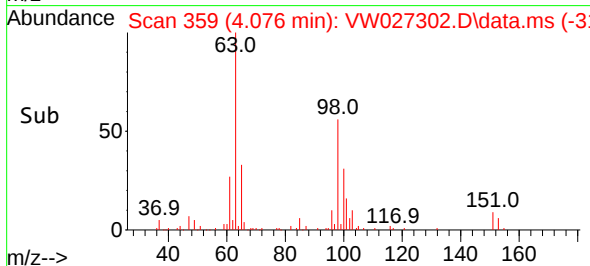
Instrument :
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ClientSampleId :
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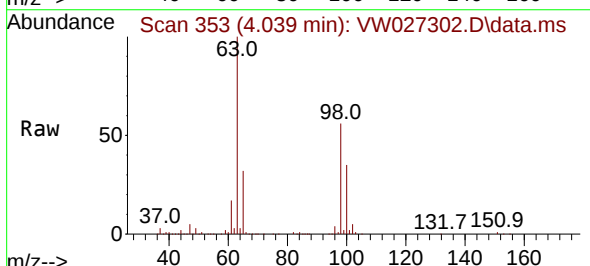
Tgt Ion: 101 Resp: 995
Ion Ratio Lower Upper
101 100
85 16.5 34.1 51.1
151 15.6 49.5 74.3

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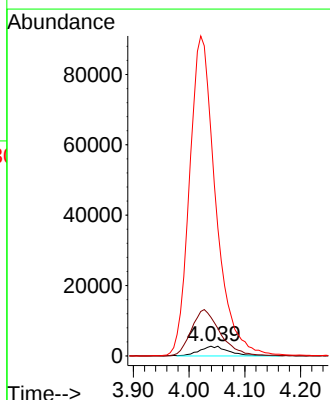
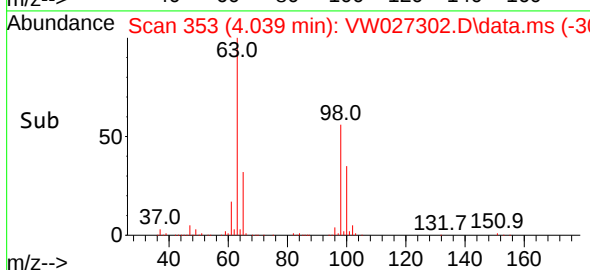
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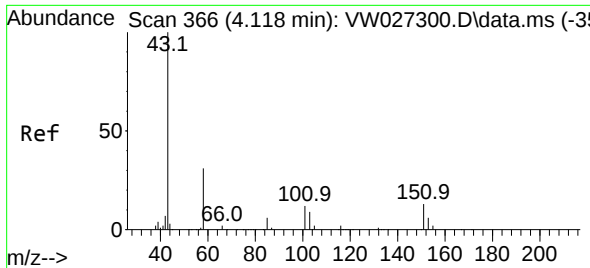


#12
1,1-Dichloroethene
Concen: 1.660 ug/L m
RT: 4.039 min Scan# 353
Delta R.T. -0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33



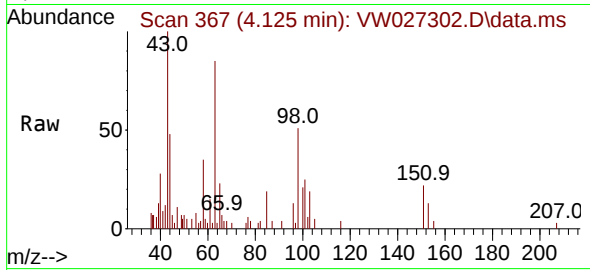
Tgt Ion: 96 Resp: 10192
Ion Ratio Lower Upper
96 100
61 394.8 133.3 247.5#
63 2273.2 115.8 215.2#





#13
Acetone
Concen: 2.941 ug/L m
RT: 4.125 min Scan# 367
Delta R.T. 0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

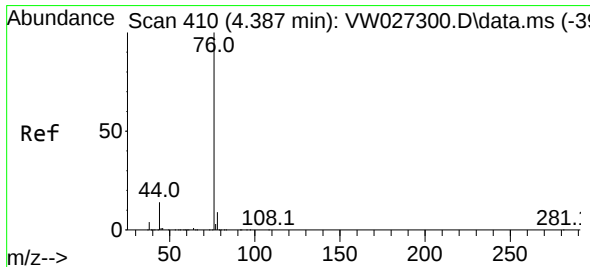
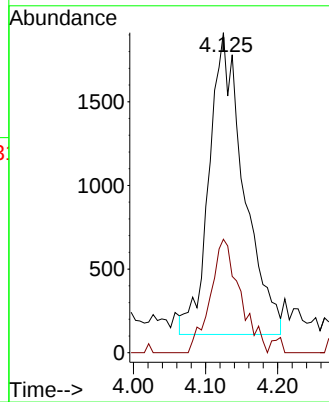
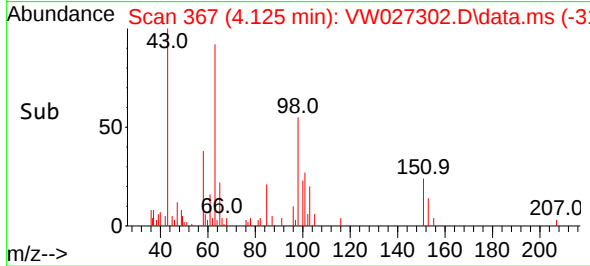
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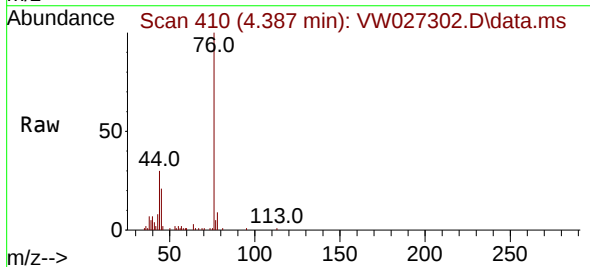
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Ion Ratio Lower Upper
43 100
58 32.2 0.0 60.8

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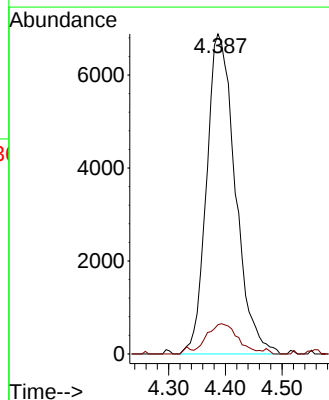
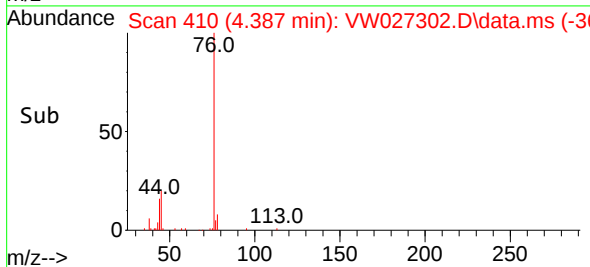
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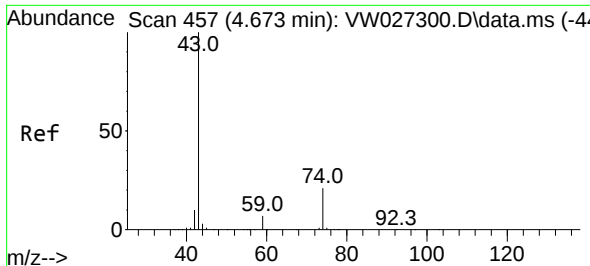


#14
Carbon disulfide
Concen: 1.270 ug/L
RT: 4.387 min Scan# 410
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33



Tgt Ion: 76 Resp: 24174
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





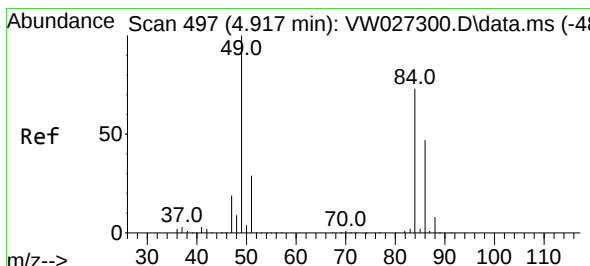
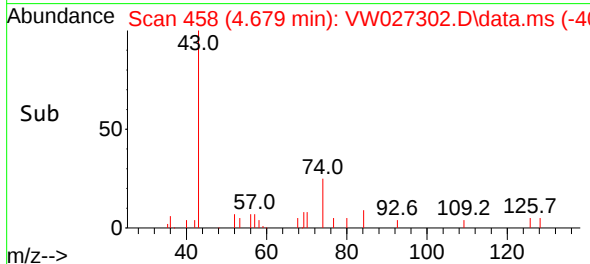
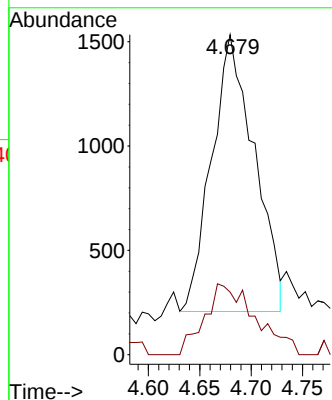
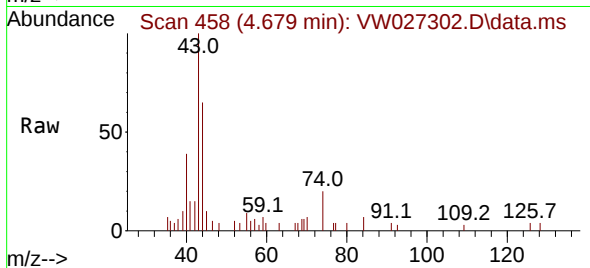
#15
Methyl Acetate
Concen: 1.091 ug/L
RT: 4.679 min Scan# 457
Delta R.T. 0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

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

Tgt Ion: 43 Resp: 382
Ion Ratio Lower Upper
43 100
74 9.8 17.5 26.3

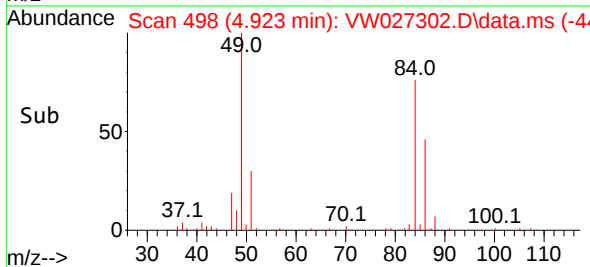
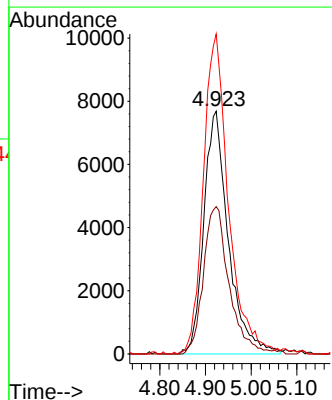
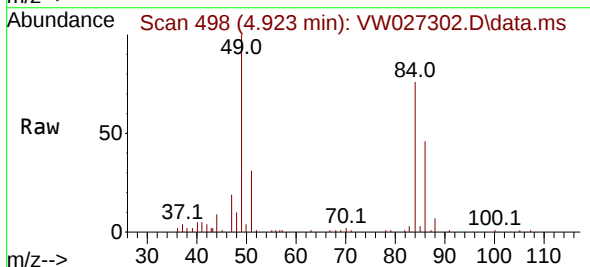
Manual Integrations
APPROVED

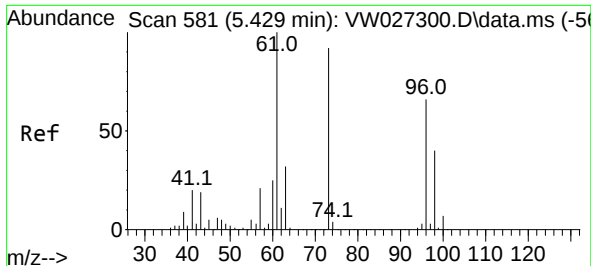
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#16
Methylene chloride
Concen: 3.352 ug/L
RT: 4.923 min Scan# 498
Delta R.T. 0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

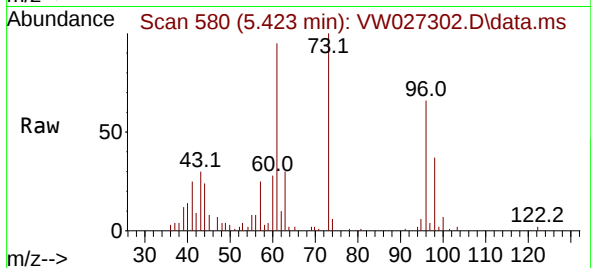
Tgt Ion: 84 Resp: 28726
Ion Ratio Lower Upper
84 100
86 60.7 41.3 76.7
49 131.8 92.8 172.4





#17
trans-1,2-Dichloroethene
Concen: 1.170 ug/L
RT: 5.423 min Scan# 581
Delta R.T. -0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

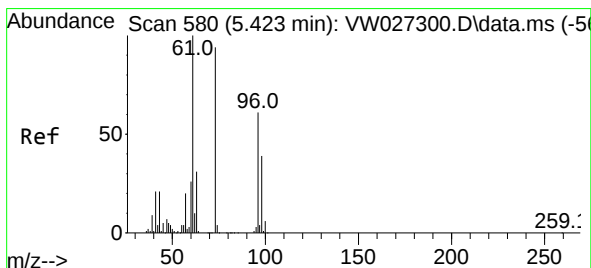
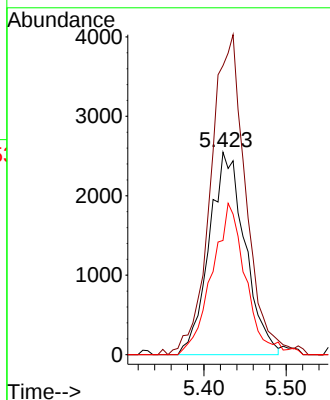
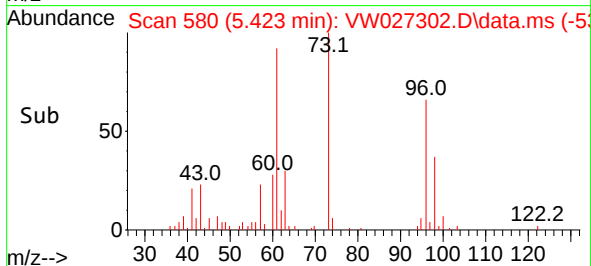
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 96 Resp: 772
Ion Ratio Lower Upper
96 100
61 142.9 105.6 196.0
98 56.4 45.0 83.6

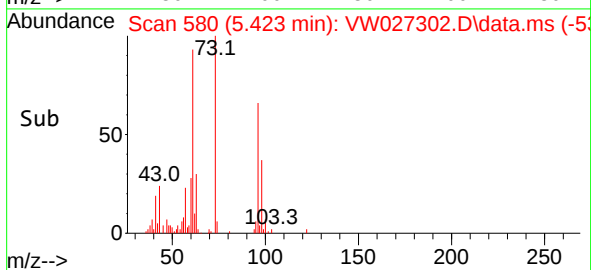
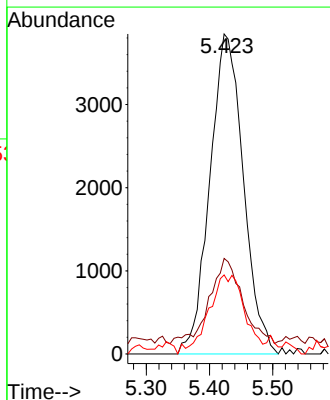
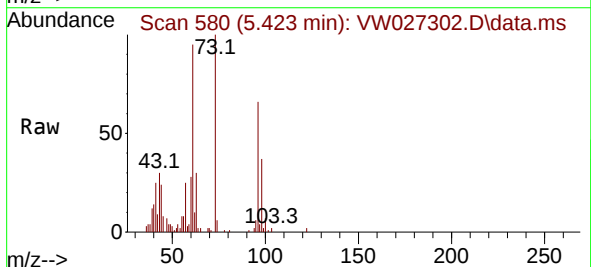
Manual Integrations
APPROVED

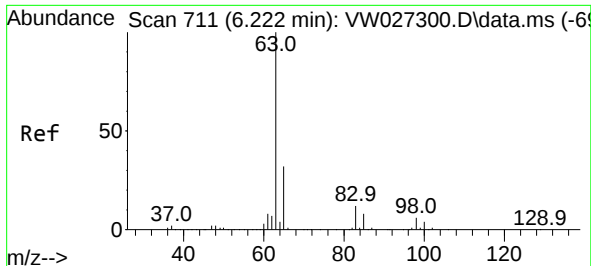
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#18
Methyl tert-butyl Ether
Concen: 1.243 ug/L
RT: 5.423 min Scan# 580
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

Tgt Ion: 73 Resp: 14149
Ion Ratio Lower Upper
73 100
43 24.7 17.7 26.5
57 12.8 18.5 27.7#





#19

1,1-Dichloroethane

Concen: 1.218 ug/L

RT: 6.222 min Scan# 711

Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

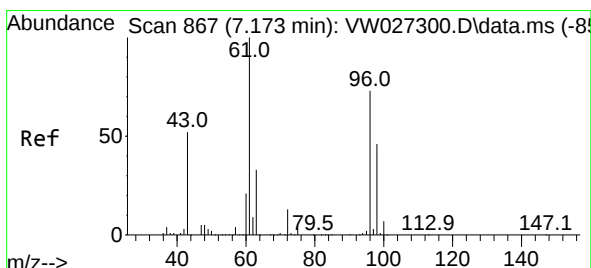
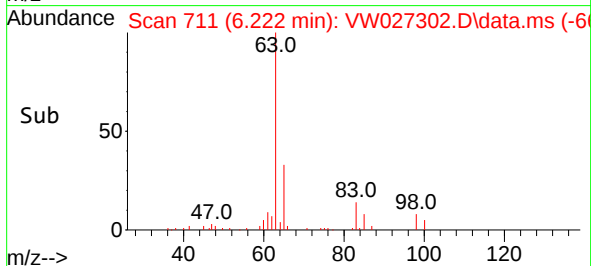
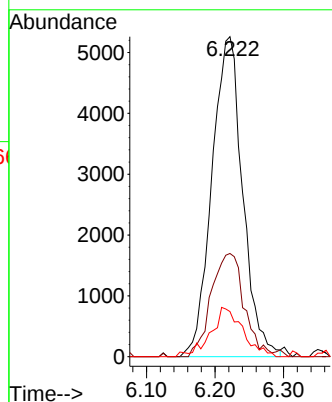
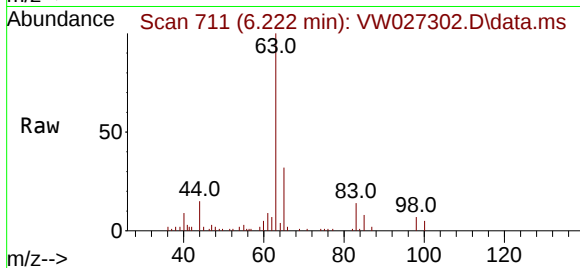
MDL-SOIL-QT4-2023-08

Tgt Ion:	63	Resp:	1640
Ion Ratio	Lower	Upper	
63	100		
65	32.3	22.9	42.5
83	14.1	9.6	17.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#20

cis-1,2-Dichloroethene

Concen: 1.229 ug/L

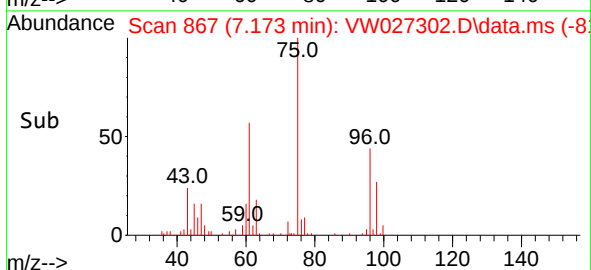
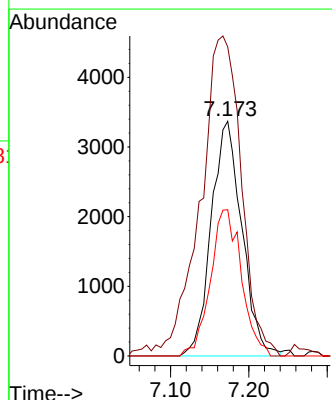
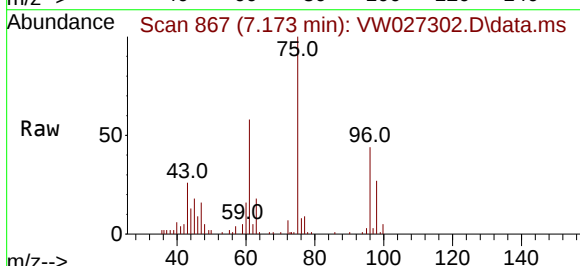
RT: 7.173 min Scan# 867

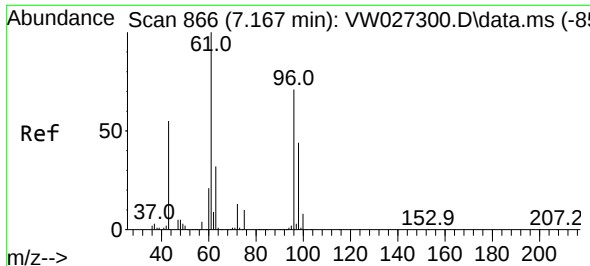
Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

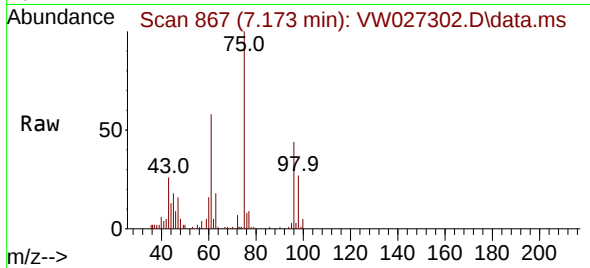
Tgt Ion:	96	Resp:	9158
Ion Ratio	Lower	Upper	
96	100		
61	131.8	96.2	178.8
98	62.3	46.0	85.4





#22
2-Butanone
Concen: 3.562 ug/L m
RT: 7.173 min Scan# 867
Delta R.T. 0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

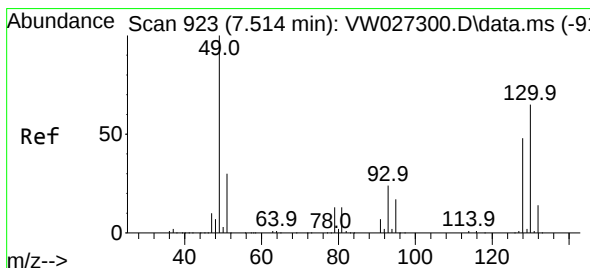
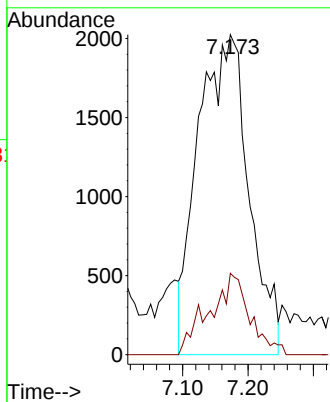
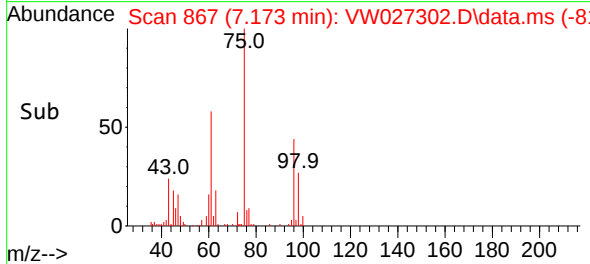
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 43 Resp: 10939
Ion Ratio Lower Upper
43 100
72 2.1 12.3 36.8

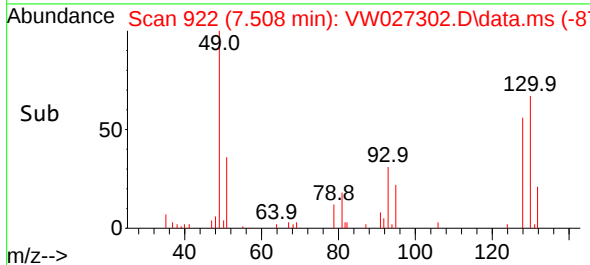
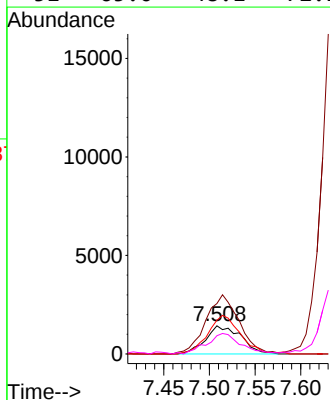
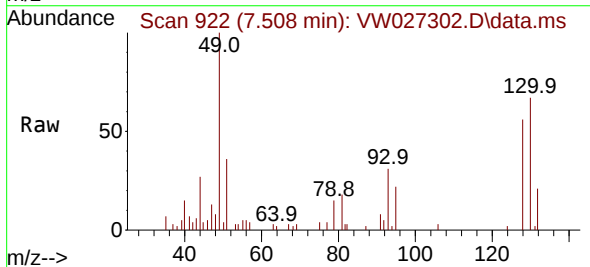
Manual Integrations
APPROVED

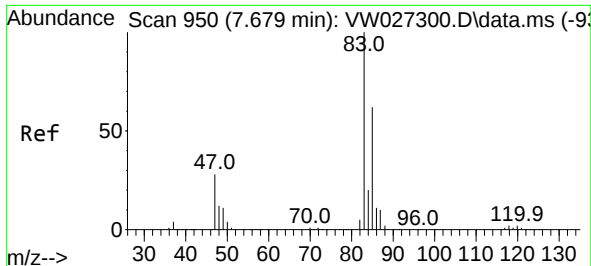
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#23
Bromochloromethane
Concen: 1.249 ug/L
RT: 7.508 min Scan# 922
Delta R.T. -0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

Tgt Ion:128 Resp: 3842
Ion Ratio Lower Upper
128 100
49 179.5 128.9 239.5
130 119.9 85.0 157.8
51 65.0 48.1 72.1





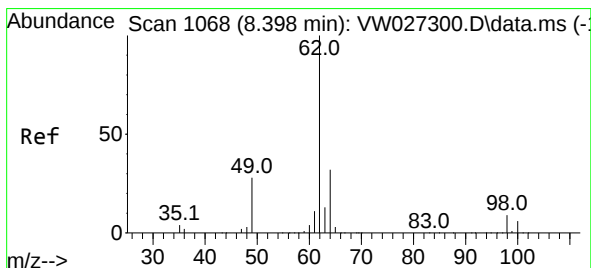
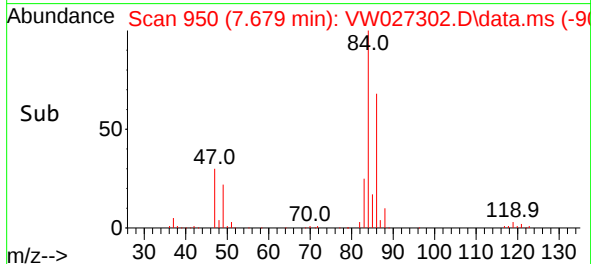
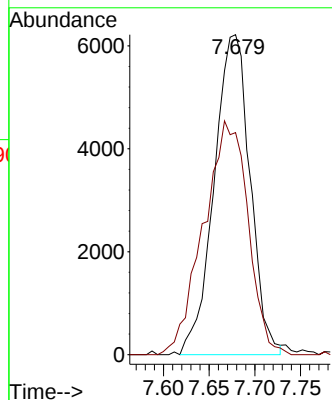
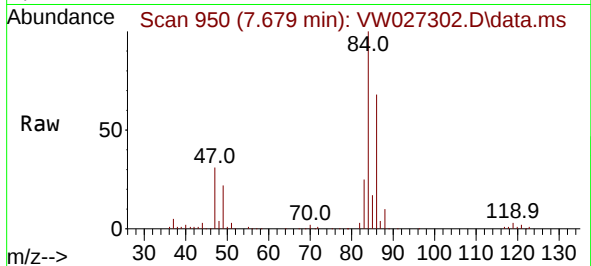
#25
Chloroform
Concen: 1.351 ug/L
RT: 7.679 min Scan# 91
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

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

Tgt Ion: 83 Resp: 1702
Ion Ratio Lower Upper
83 100
85 69.4 44.1 81.9

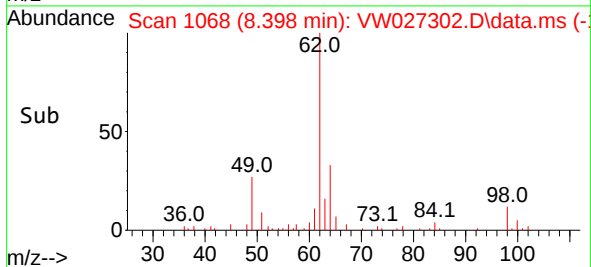
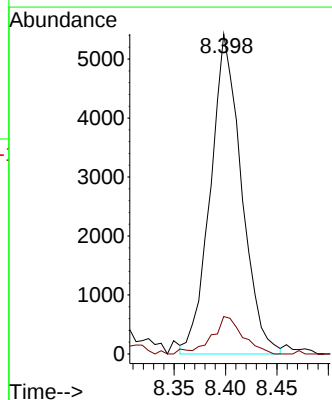
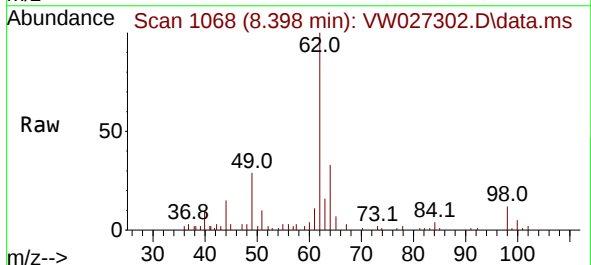
Manual Integrations
APPROVED

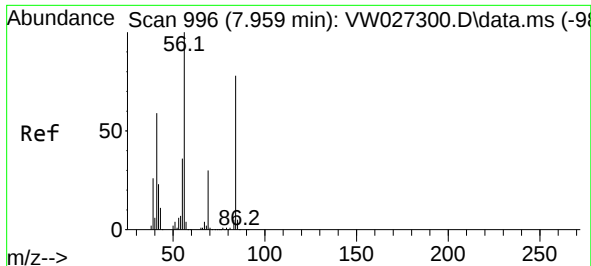
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#27
1,2-Dichloroethane
Concen: 1.332 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

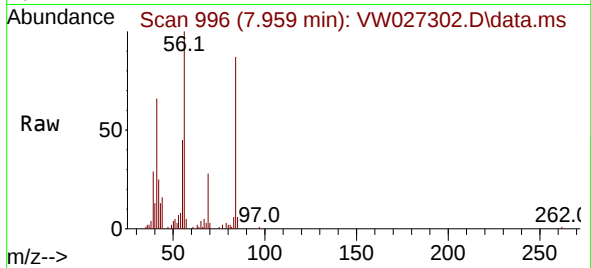
Tgt Ion: 62 Resp: 11399
Ion Ratio Lower Upper
62 100
98 11.7 7.5 11.3#





#29
Cyclohexane
Concen: 1.205 ug/L
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

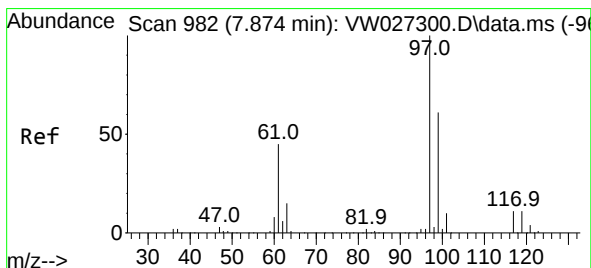
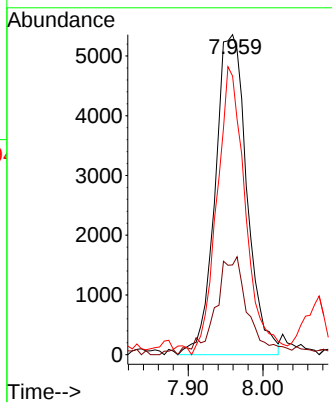
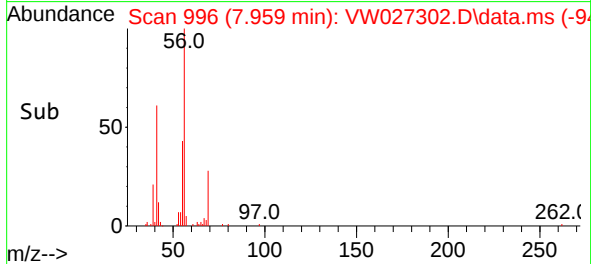
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 56	Resp: 1583
Ion Ratio	Lower Upper
56 100	
69 9.7	24.2 36.4
84 81.1	65.1 97.7

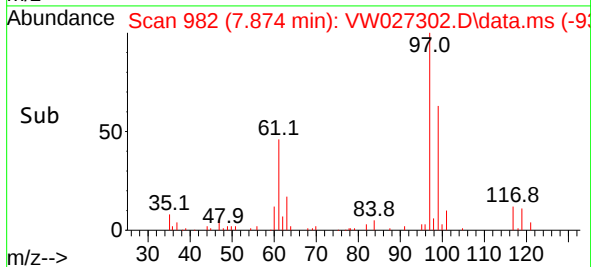
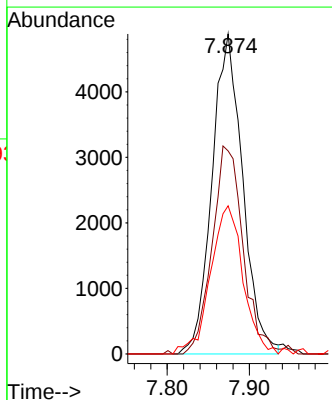
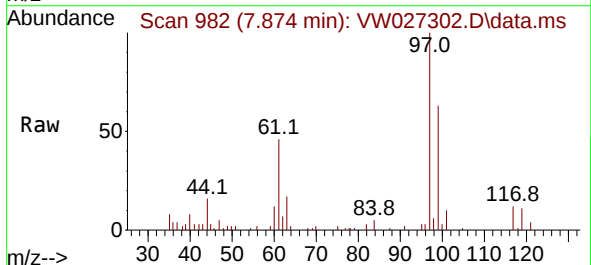
Manual Integrations
APPROVED

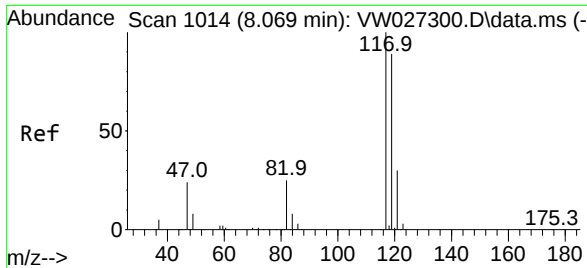
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#30
1,1,1-Trichloroethane
Concen: 1.201 ug/L
RT: 7.874 min Scan# 982
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

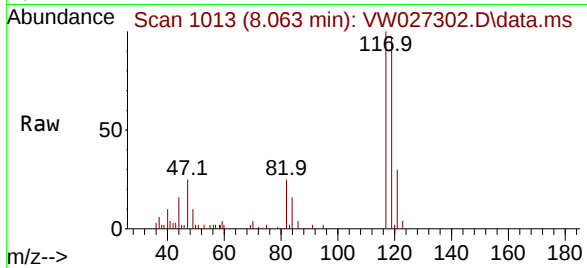
Tgt Ion: 97	Resp: 12679
Ion Ratio	Lower Upper
97 100	
99 64.1	51.4 77.0
61 46.6	37.4 56.0





#31
Carbon tetrachloride
Concen: 1.161 ug/L
RT: 8.063 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

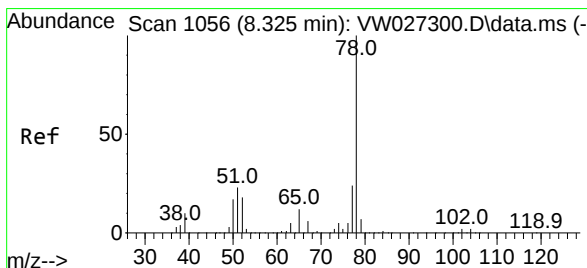
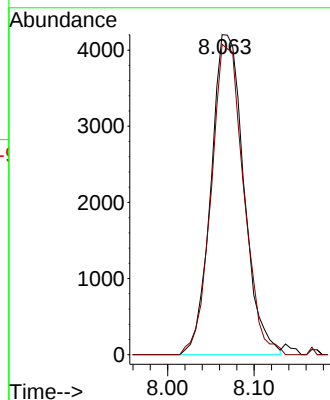
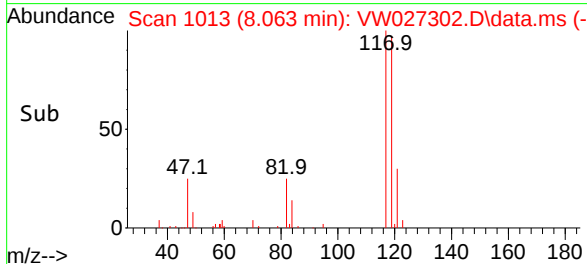
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion:117 Resp: 1105
Ion Ratio Lower Upper
117 100
119 95.8 77.1 115.7

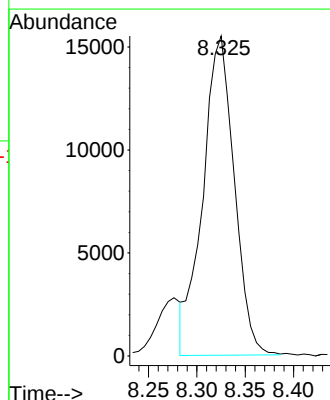
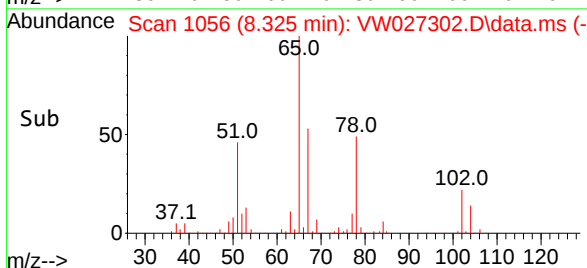
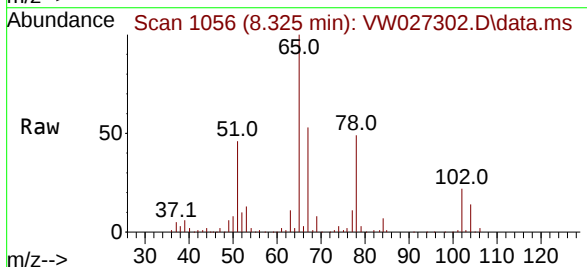
Manual Integrations
APPROVED

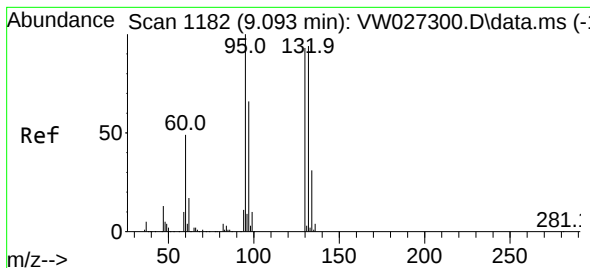
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#33
Benzene
Concen: 1.239 ug/L
RT: 8.325 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

Tgt Ion: 78 Resp: 35031





#34

Trichloroethene

Concen: 1.239 ug/L

RT: 9.087 min Scan# 1182

Delta R.T. -0.006 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

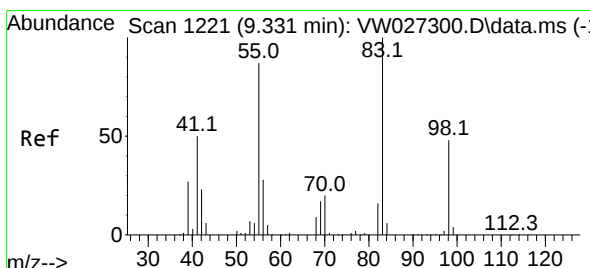
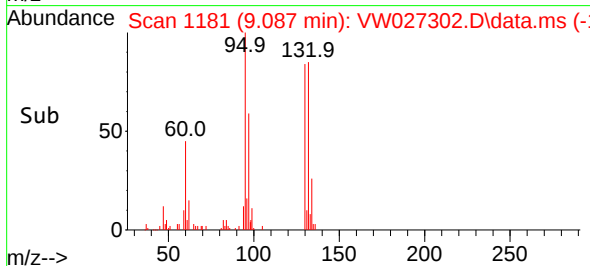
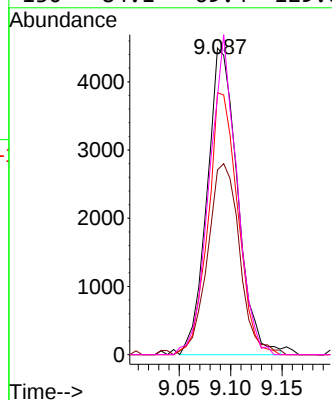
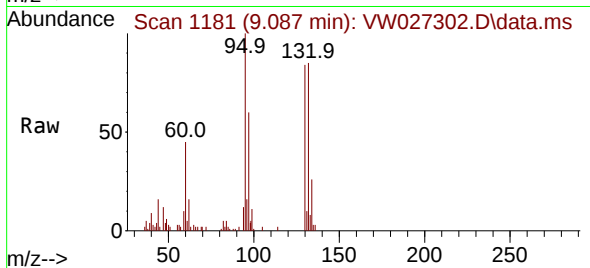
MDL-SOIL-QT4-2023-08

Tgt Ion:	95	Resp:	925
Ion	Ratio	Lower	Upper
95	100		
97	60.2	43.4	80.6
132	85.4	67.6	125.6
130	84.1	69.4	129.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#35

Methylcyclohexane

Concen: 1.115 ug/L

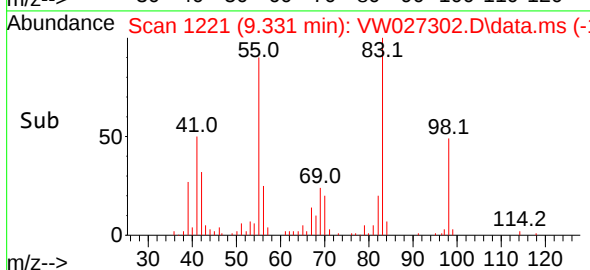
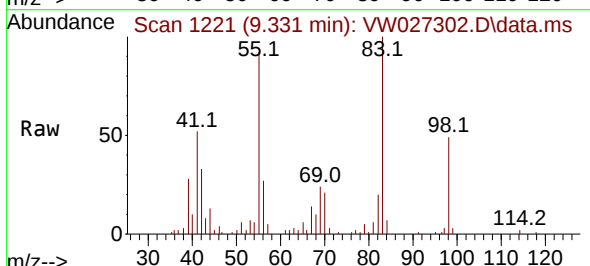
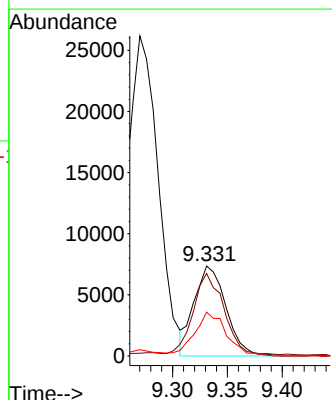
RT: 9.331 min Scan# 1221

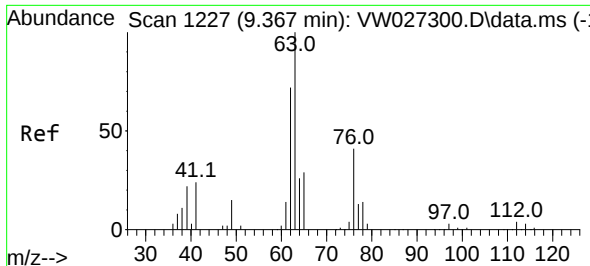
Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

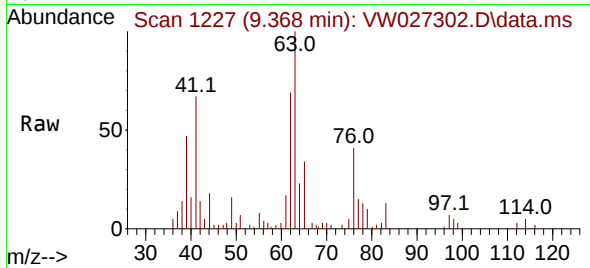
Tgt Ion:	83	Resp:	14896
Ion	Ratio	Lower	Upper
83	100		
55	87.7	65.8	98.8
98	48.7	38.1	57.1





#37
1,2-Dichloropropane
Concen: 1.187 ug/L
RT: 9.368 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

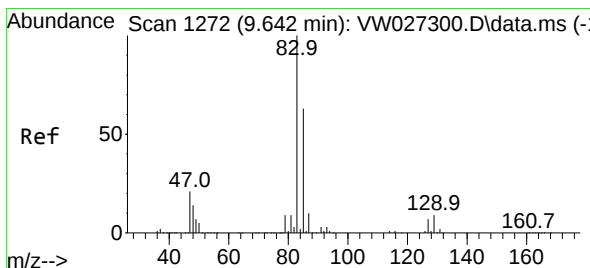
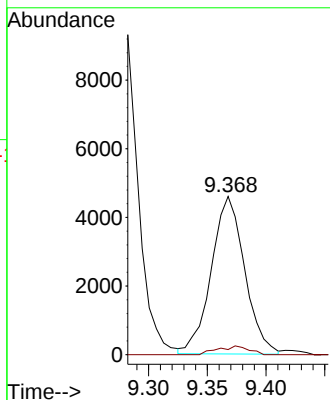
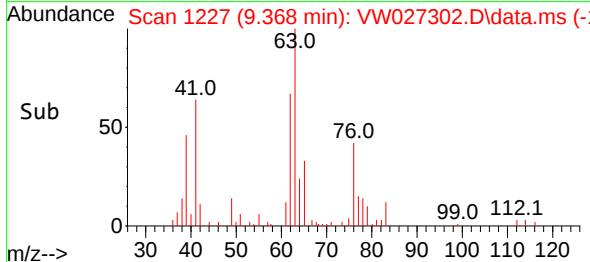
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



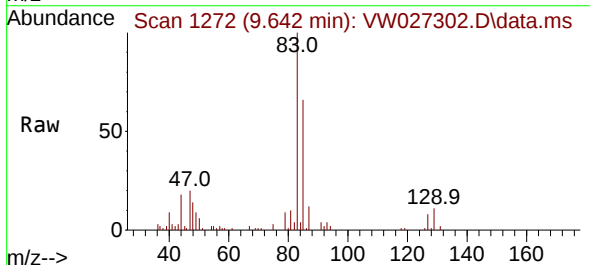
Tgt Ion: 63 Resp: 9080
Ion Ratio Lower Upper
63 100
112 5.2 3.5 5.3

Manual Integrations
APPROVED

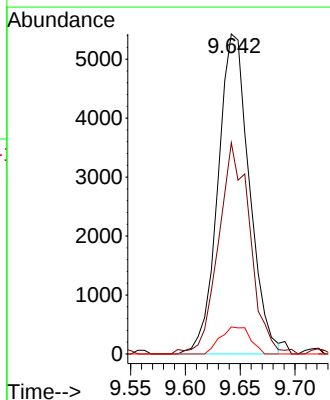
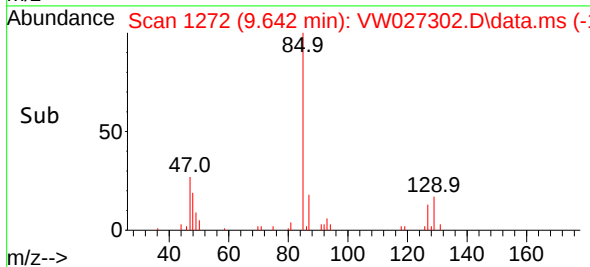
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023

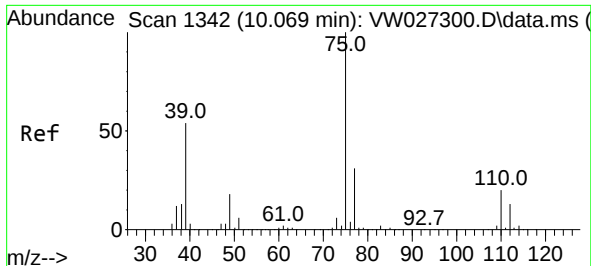


#38
Bromodichloromethane
Concen: 1.150 ug/L
RT: 9.642 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33



Tgt Ion: 83 Resp: 10813
Ion Ratio Lower Upper
83 100
85 66.0 43.9 81.5
127 8.5 6.2 9.2





#39

cis-1,3-Dichloropropene

Concen: 1.054 ug/L

RT: 10.069 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

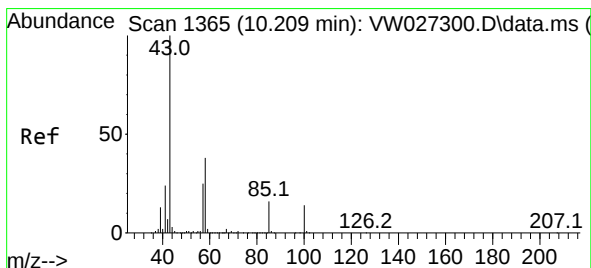
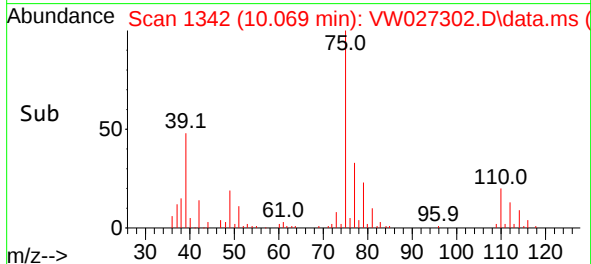
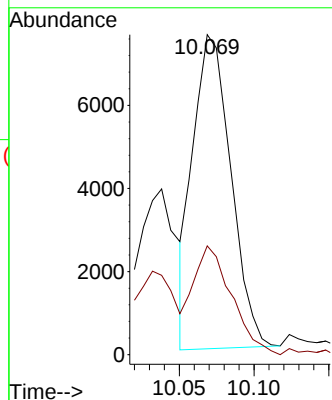
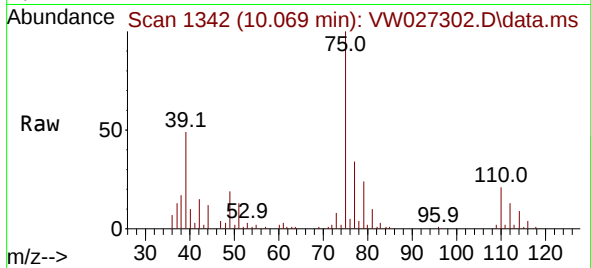
MDL-SOIL-QT4-2023-08

Tgt Ion: 75 Resp: 13314
 Ion Ratio Lower Upper
 75 100
 77 34.0 21.9 40.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#40

4-Methyl-2-pentanone

Concen: 2.445 ug/L

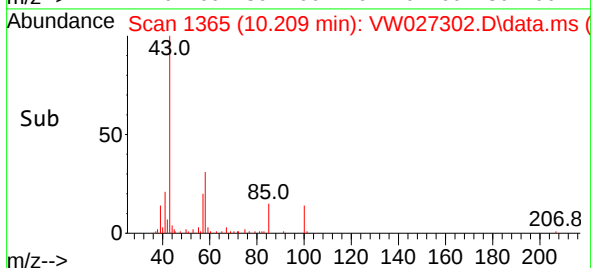
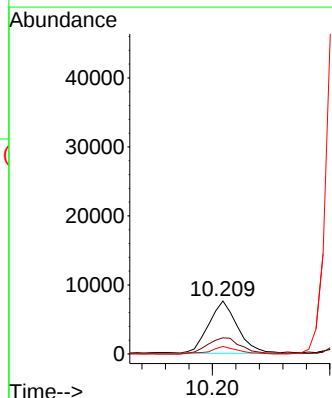
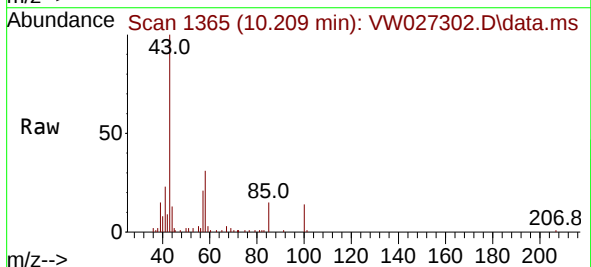
RT: 10.209 min Scan# 1365

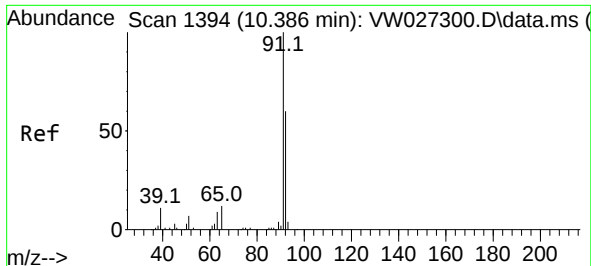
Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

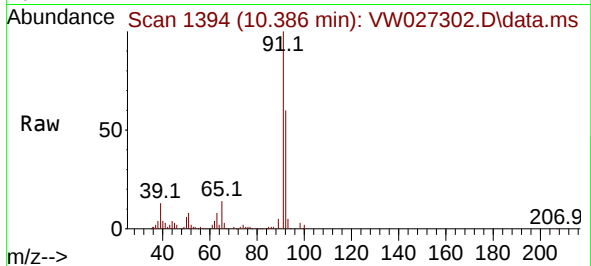
Tgt Ion: 43 Resp: 12862
 Ion Ratio Lower Upper
 43 100
 58 36.2 30.5 45.7
 100 13.4 11.5 17.3





#42
Toluene
Concen: 1.213 ug/L
RT: 10.386 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

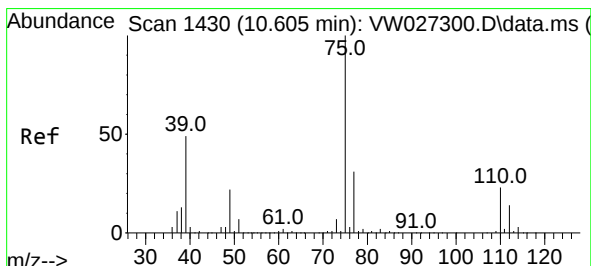
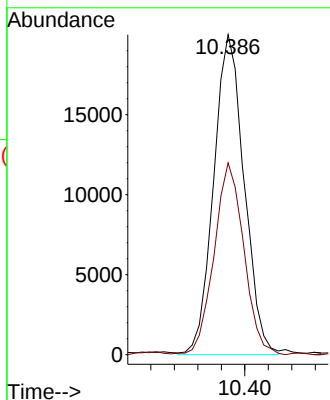
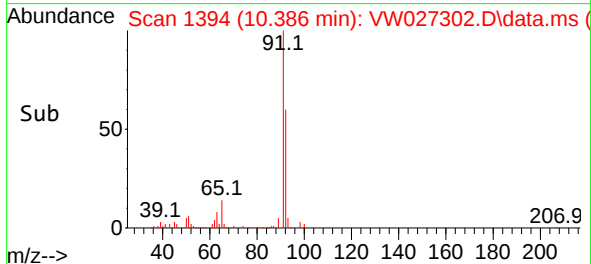
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 91 Resp: 3599
Ion Ratio Lower Upper
91 100
92 60.0 42.1 78.1

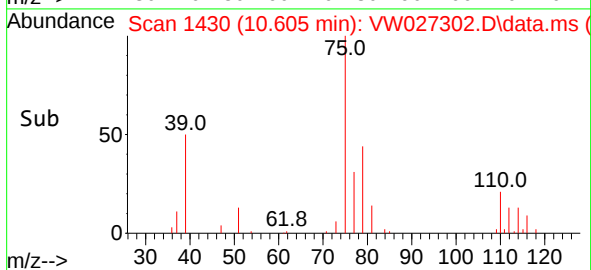
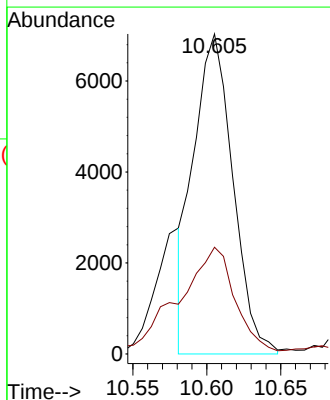
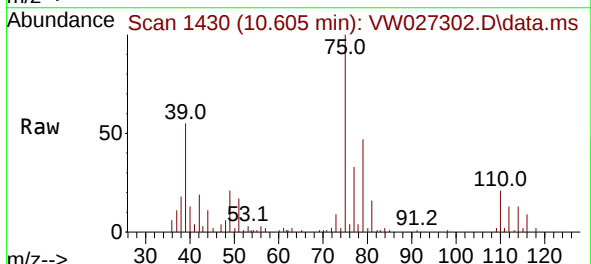
Manual Integrations
APPROVED

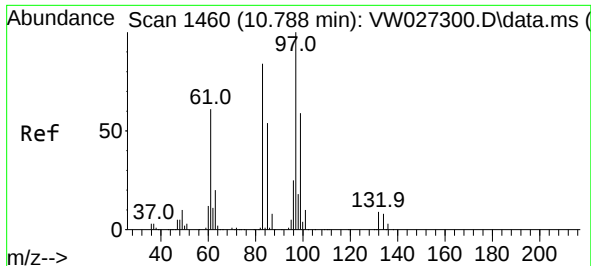
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#44
trans-1,3-Dichloropropene
Concen: 1.214 ug/L m
RT: 10.605 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

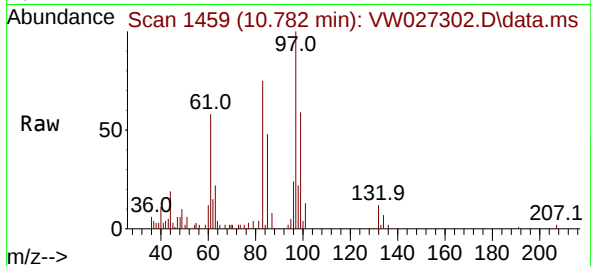
Tgt Ion: 75 Resp: 12942
Ion Ratio Lower Upper
75 100
77 33.3 22.0 41.0





#45
1,1,2-Trichloroethane
Concen: 1.238 ug/L
RT: 10.782 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

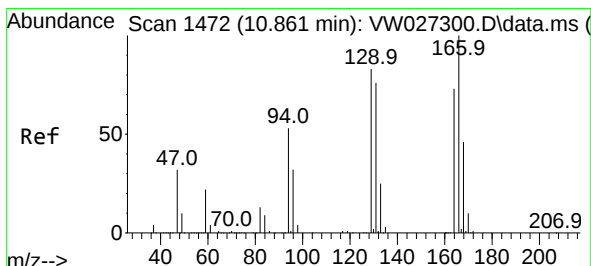
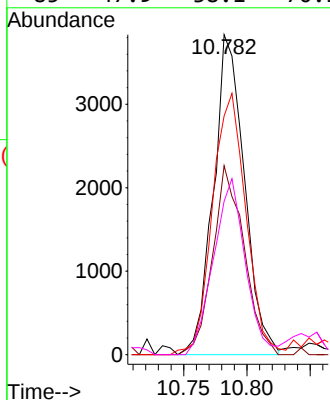
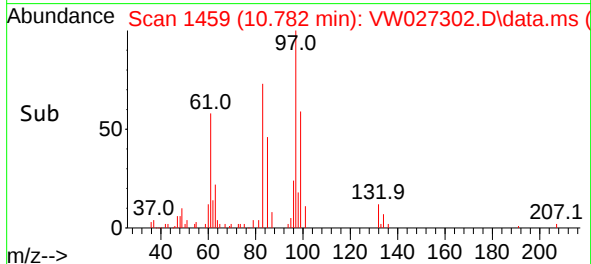
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT4-2023-08



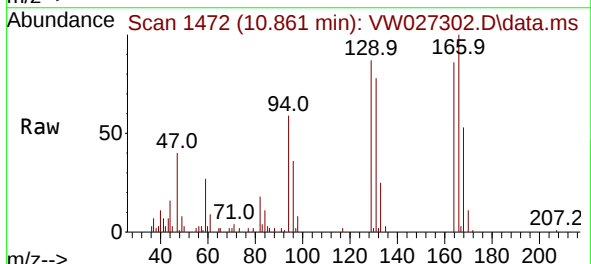
Tgt Ion:	97	Resp:	651
Ion Ratio	100	Lower	Upper
97	100		
99	59.1	43.8	81.4
83	74.6	57.5	106.7
85	47.9	38.1	70.9

Manual Integrations
APPROVED

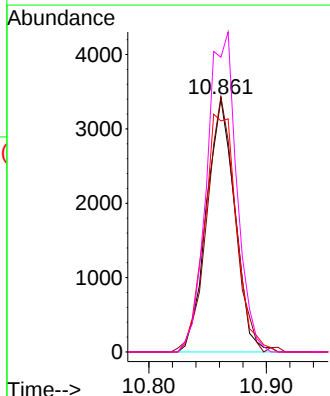
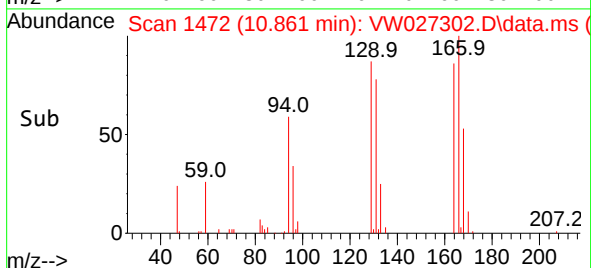
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023

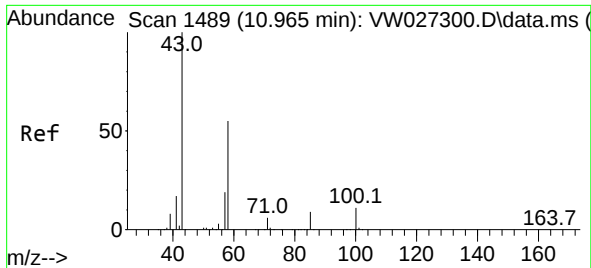


#46
Tetrachloroethene
Concen: 1.112 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33



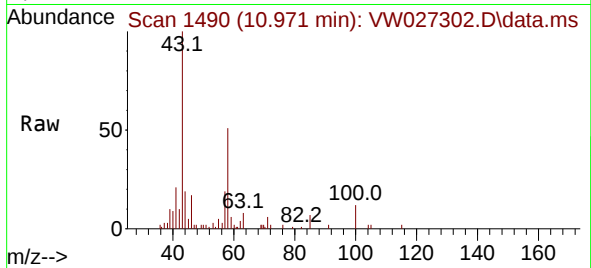
Tgt Ion:	164	Resp:	5738
Ion Ratio	100	Lower	Upper
164	100		
129	101.0	74.7	138.7
131	91.3	73.2	136.0
166	116.5	87.3	162.1





#48
2-Hexanone
Concen: 2.299 ug/L
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

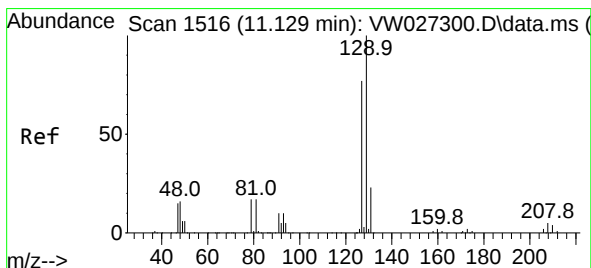
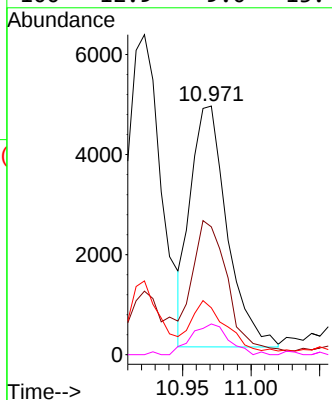
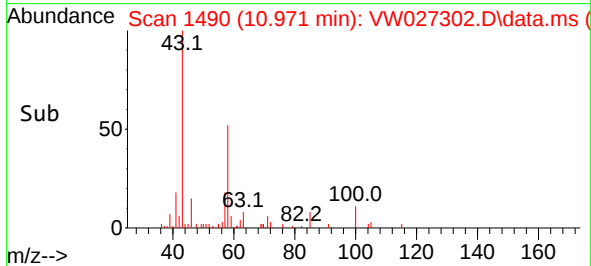
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion: 43 Resp: 8950
Ion Ratio Lower Upper
43 100
58 54.8 42.2 63.4
57 20.8 15.1 22.7
100 12.9 9.0 13.4

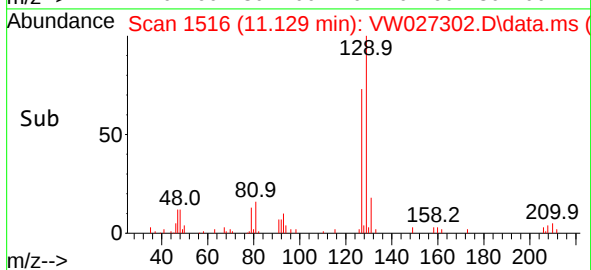
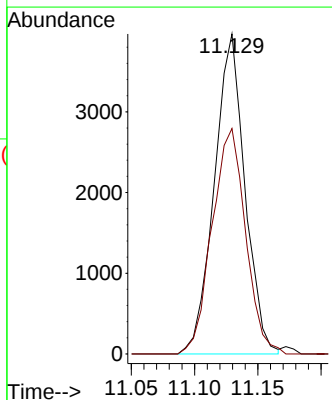
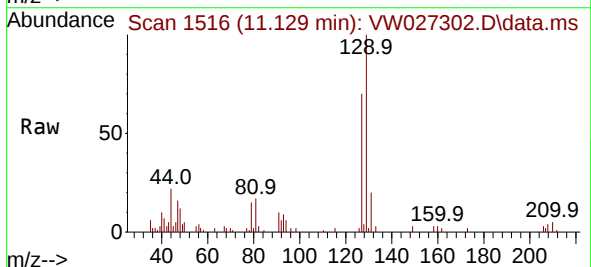
Manual Integrations
APPROVED

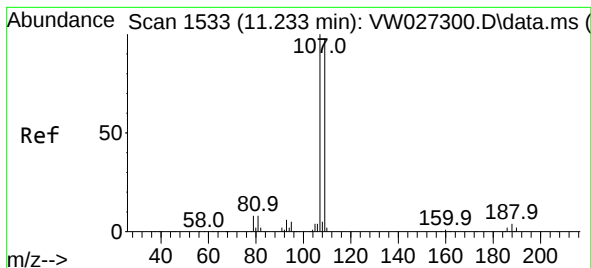
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#49
Dibromochloromethane
Concen: 1.142 ug/L
RT: 11.129 min Scan# 1516
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

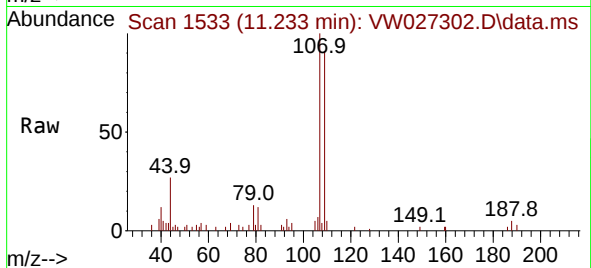
Tgt Ion:129 Resp: 6672
Ion Ratio Lower Upper
129 100
127 70.4 51.7 95.9





#50
1,2-Dibromoethane
Concen: 1.191 ug/L
RT: 11.233 min Scan# 1533
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

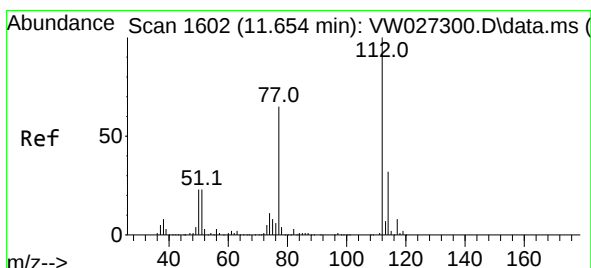
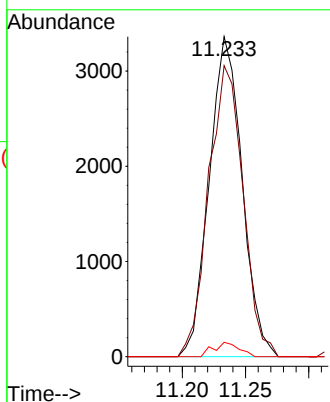
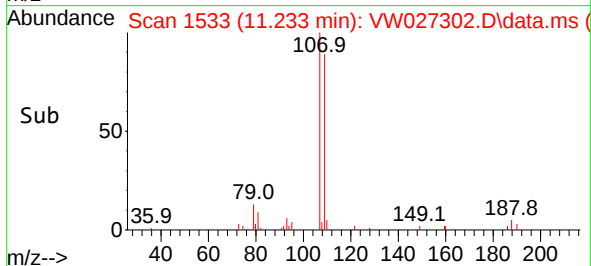
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



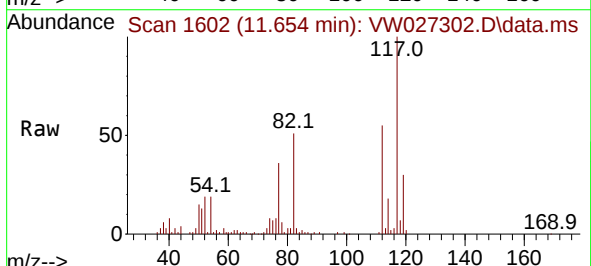
Tgt Ion:107 Resp: 607
Ion Ratio Lower Upper
107 100
109 91.0 66.3 123.1
188 4.5 3.0 4.4

Manual Integrations
APPROVED

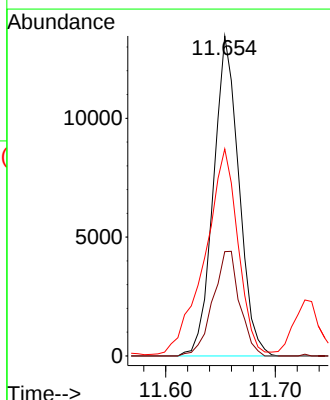
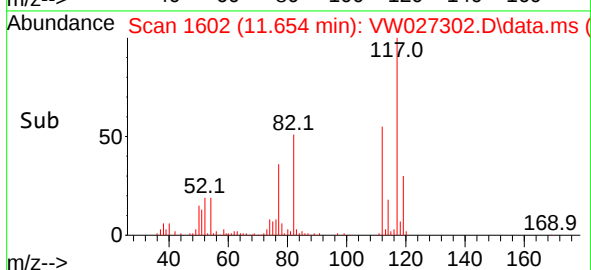
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023

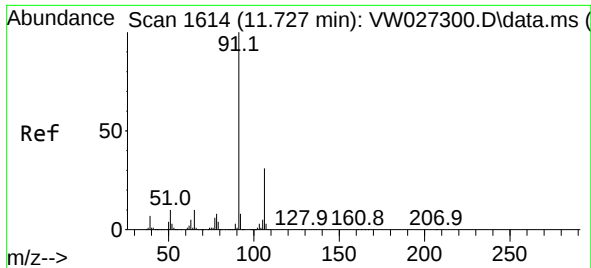


#51
Chlorobenzene
Concen: 1.169 ug/L
RT: 11.654 min Scan# 1602
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33



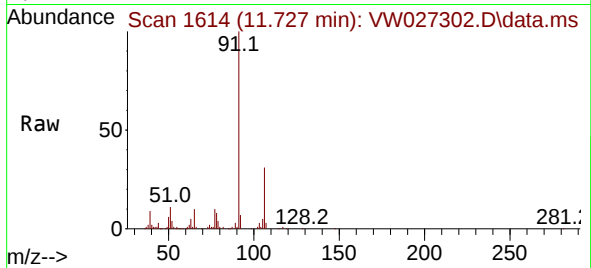
Tgt Ion:112 Resp: 21716
Ion Ratio Lower Upper
112 100
114 32.6 21.8 40.6
77 64.7 52.2 78.4





#52
Ethylbenzene
Concen: 1.191 ug/L
RT: 11.727 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

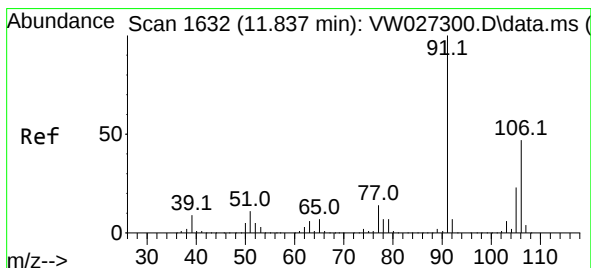
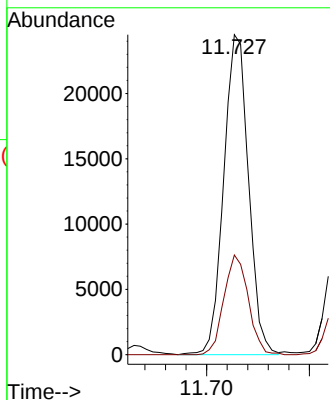
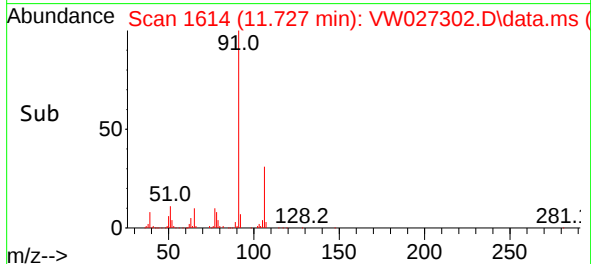
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



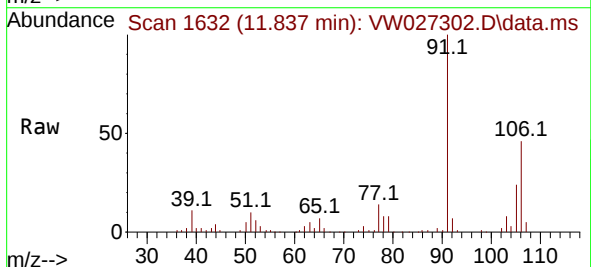
Tgt Ion: 91 Resp: 4108
Ion Ratio Lower Upper
91 100
106 31.2 19.8 36.8

Manual Integrations
APPROVED

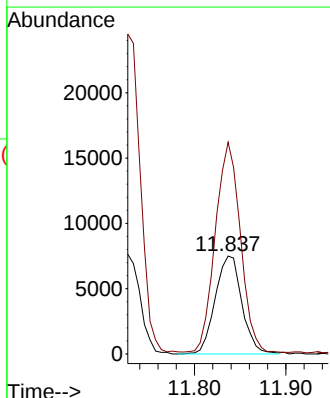
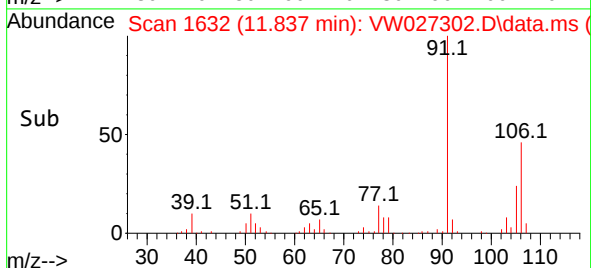
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023

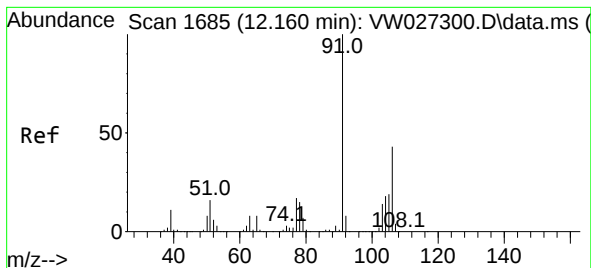


#53
m,p-Xylene
Concen: 1.162 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33



Tgt Ion:106 Resp: 15195
Ion Ratio Lower Upper
106 100
91 216.2 144.5 268.4





#54

o-Xylene

Concen: 1.180 ug/L

RT: 12.160 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT4-2023-08

Tgt Ion:106 Resp: 1477

Ion Ratio Lower Upper

106 100

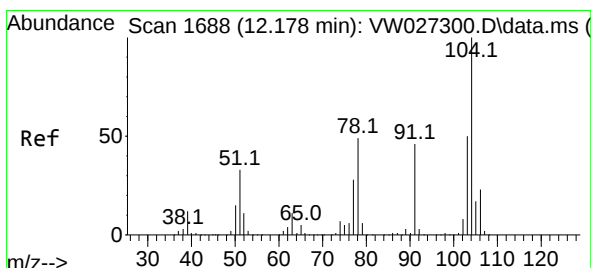
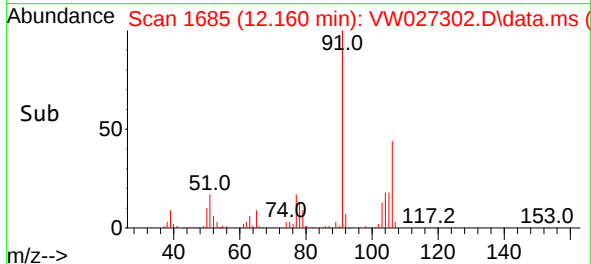
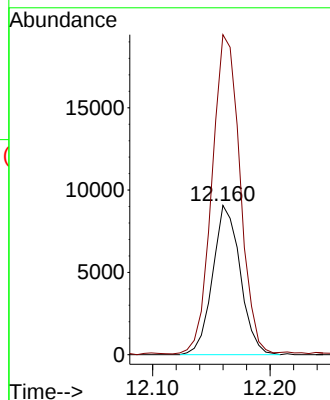
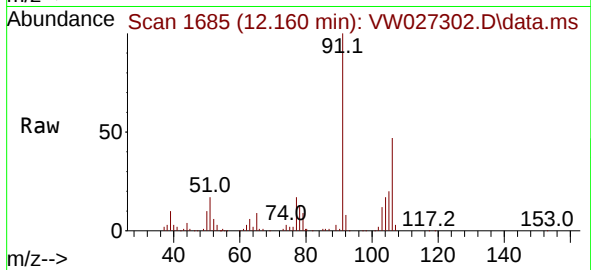
91 214.5 152.0 282.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023

Supervised By :Mahesh Dadoda 10/16/2023



#55

Styrene

Concen: 1.129 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. 0.000 min

Lab File: VW027302.D

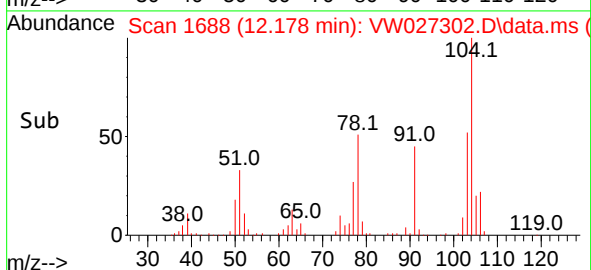
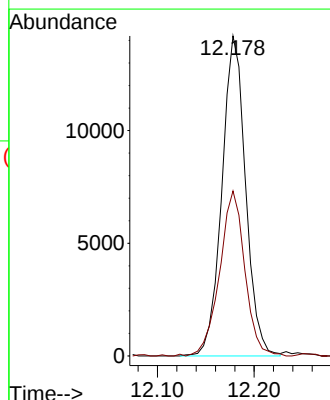
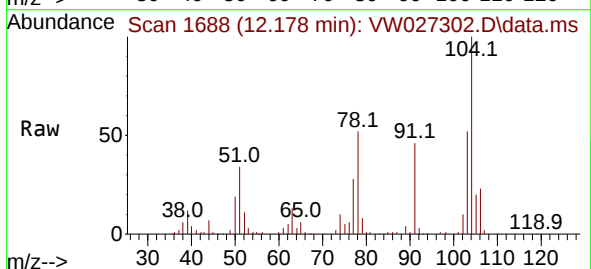
Acq: 13 Oct 2023 12:33

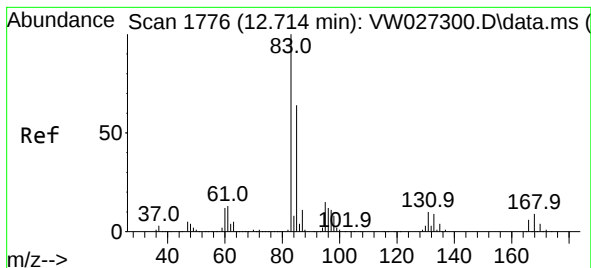
Tgt Ion:104 Resp: 24147

Ion Ratio Lower Upper

104 100

78 51.5 33.2 61.6





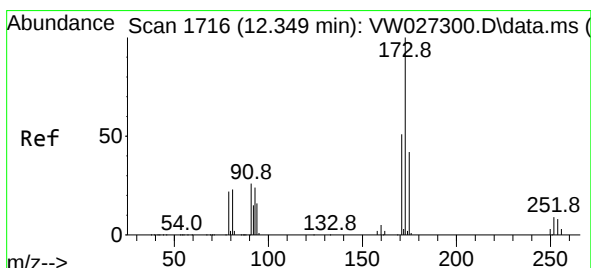
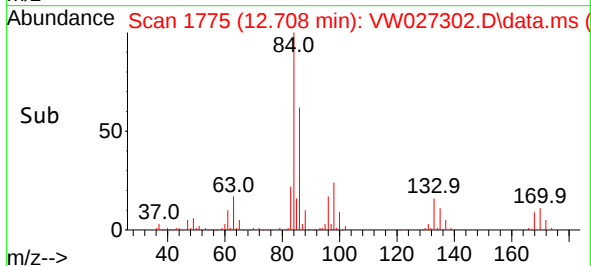
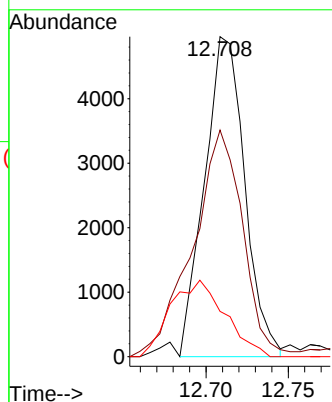
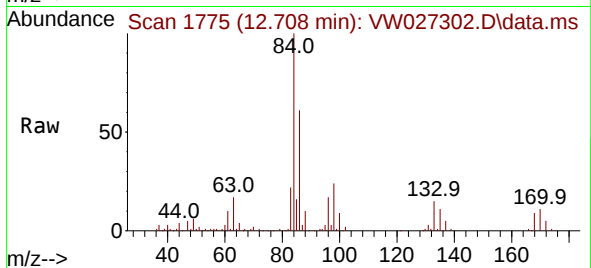
#57
1,1,2,2-Tetrachloroethane
Concen: 1.313 ug/L
RT: 12.708 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

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

Tgt Ion: 83 Resp: 8438
Ion Ratio Lower Upper
83 100
85 70.8 43.2 80.2
131 14.1 7.2 10.8

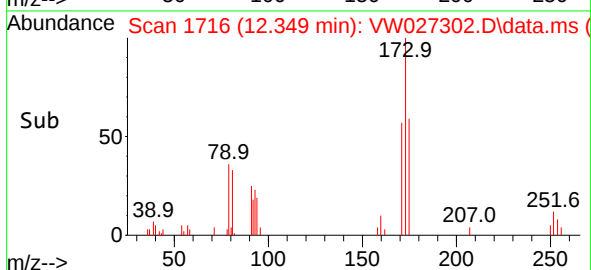
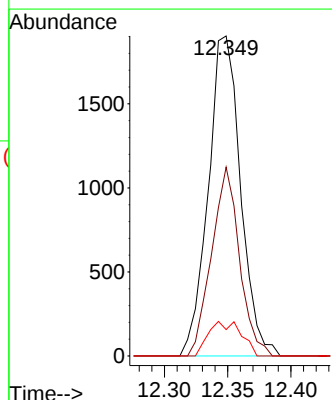
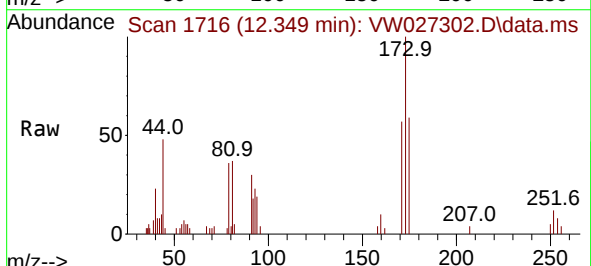
Manual Integrations
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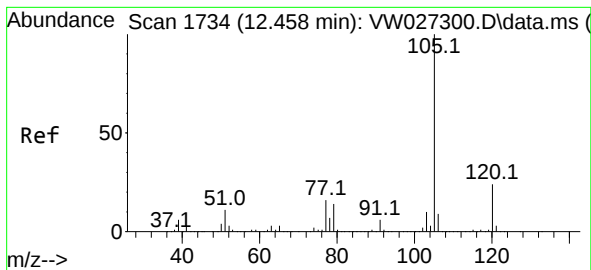
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#59
Bromoform
Concen: 1.053 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

Tgt Ion:173 Resp: 3383
Ion Ratio Lower Upper
173 100
175 50.9 39.6 59.4
254 6.5 6.6 10.0#





#60

Isopropylbenzene

Concen: 1.191 ug/L

RT: 12.459 min Scan# 1734

Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

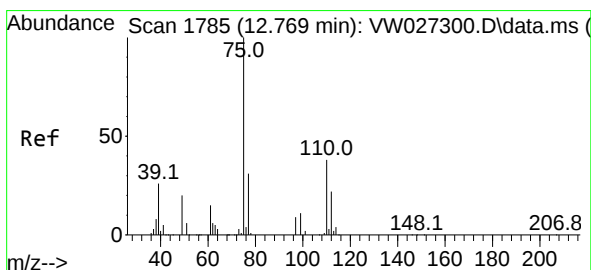
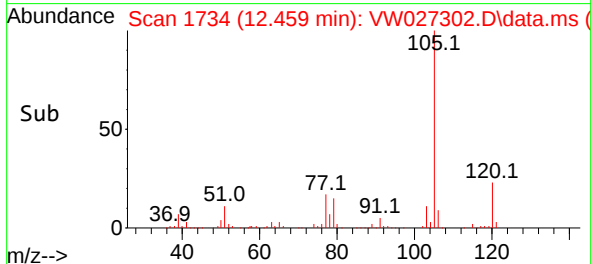
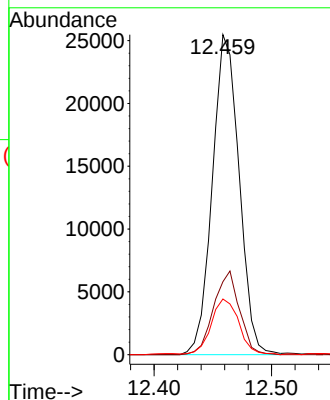
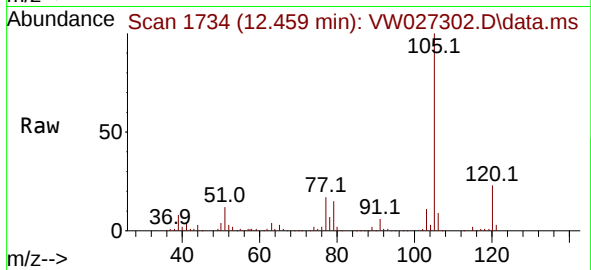
MDL-SOIL-QT4-2023-08

Tgt Ion:	105	Resp:	4037
Ion Ratio	Lower	Upper	
105	100		
120	25.2	20.1	30.1
77	18.1	12.9	19.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#61

1,2,3-Trichloropropane

Concen: 1.312 ug/L

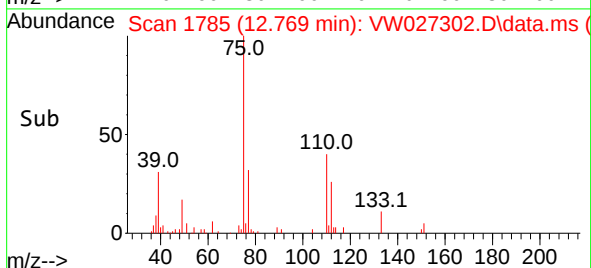
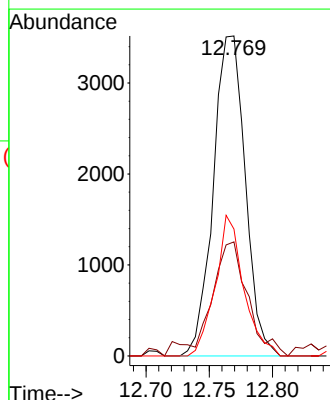
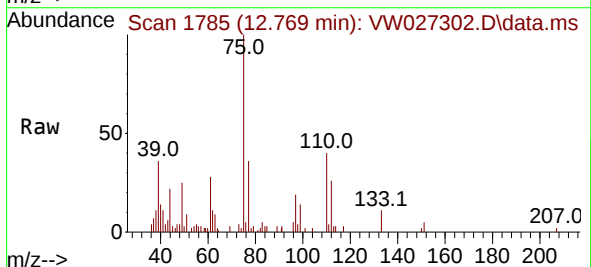
RT: 12.769 min Scan# 1785

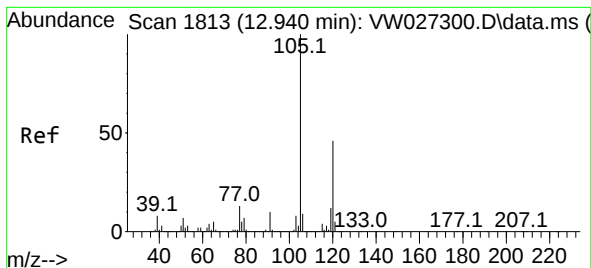
Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

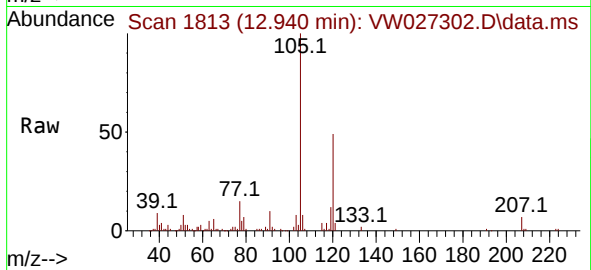
Tgt Ion:	75	Resp:	6181
Ion Ratio	Lower	Upper	
75	100		
77	36.0	25.4	38.0
110	39.0	29.7	44.5





#62
1,3,5-Trimethylbenzene
Concen: 1.172 ug/L
RT: 12.940 min Scan# 1813
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

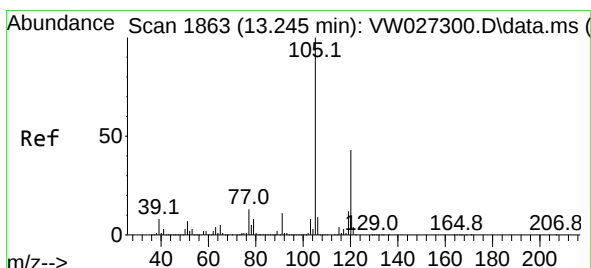
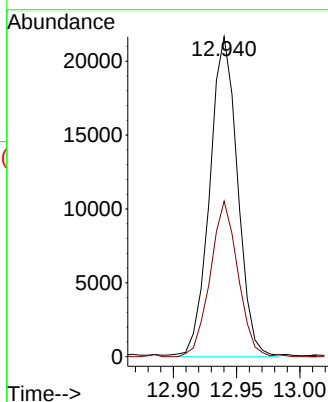
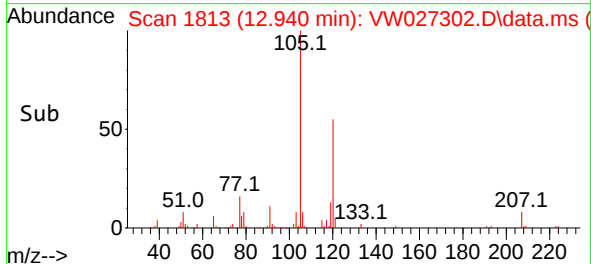
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



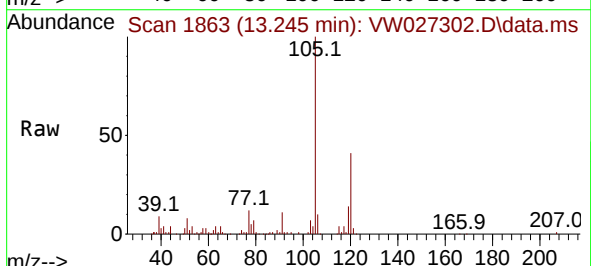
Tgt Ion:105 Resp: 3314
Ion Ratio Lower Upper
105 100
120 48.0 38.8 58.2

Manual Integrations
APPROVED

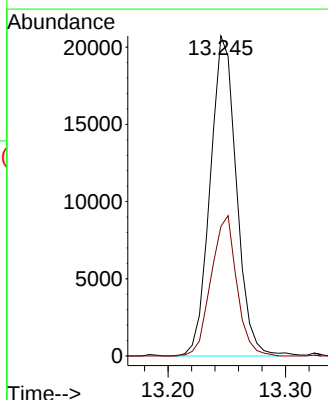
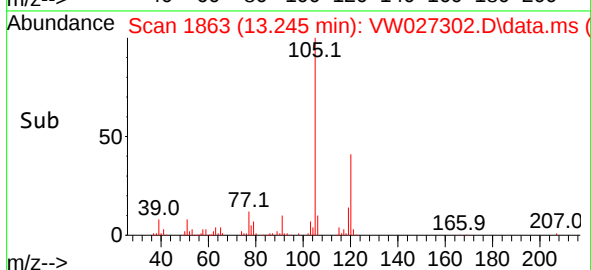
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023

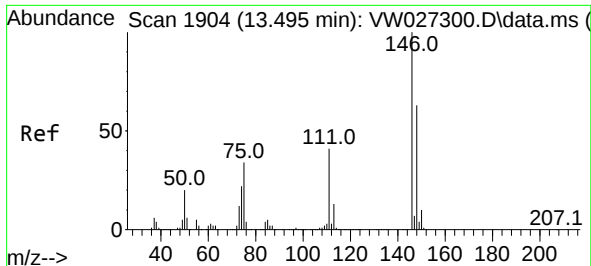


#63
1,2,4-Trimethylbenzene
Concen: 1.163 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33



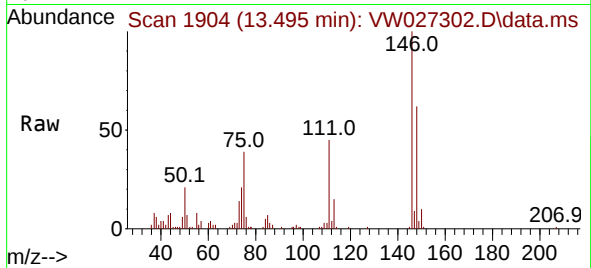
Tgt Ion:105 Resp: 32181
Ion Ratio Lower Upper
105 100
120 42.8 35.4 53.2





#64
1,3-Dichlorobenzene
Concen: 1.166 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

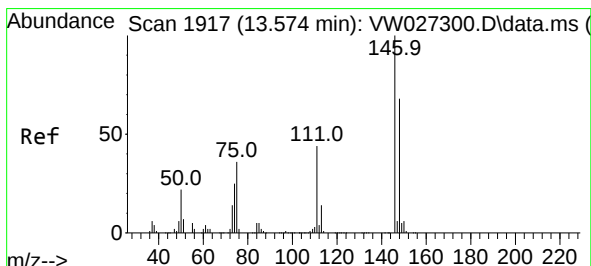
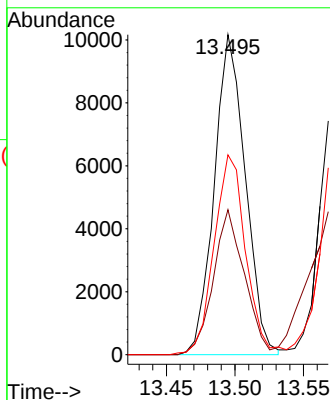
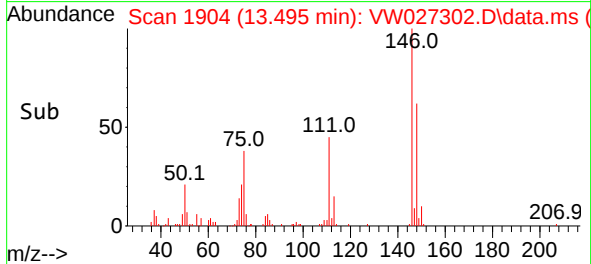
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT4-2023-08



Tgt Ion:146 Resp: 16032
Ion Ratio Lower Upper
146 100
111 45.3 30.8 57.2
148 62.4 46.3 85.9

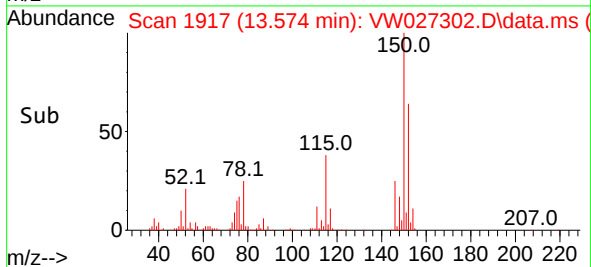
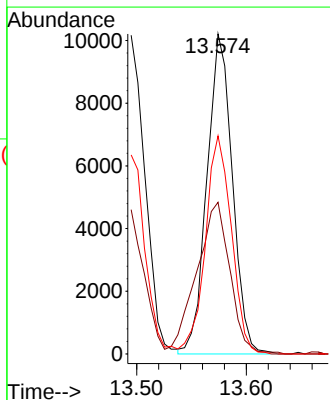
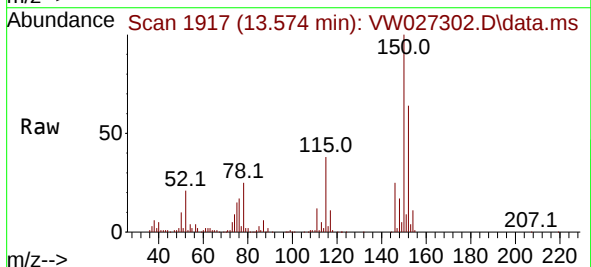
Manual Integrations
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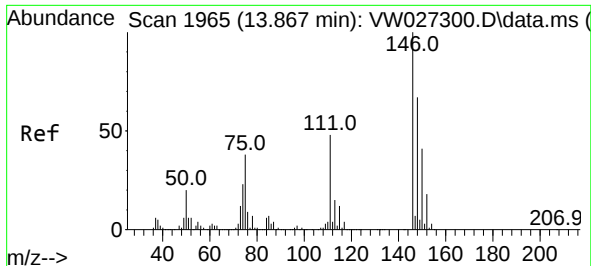
Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#65
1,4-Dichlorobenzene
Concen: 1.199 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VW027302.D
Acq: 13 Oct 2023 12:33

Tgt Ion:146 Resp: 16455
Ion Ratio Lower Upper
146 100
111 47.4 29.5 54.9
148 68.1 43.0 79.8





#67

1,2-Dichlorobenzene

Concen: 1.182 ug/L

RT: 13.867 min Scan# 1965

Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

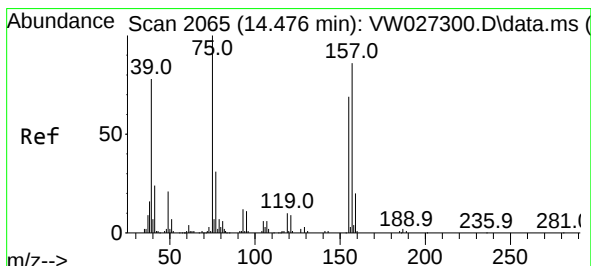
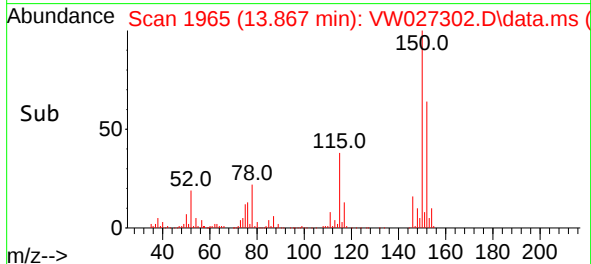
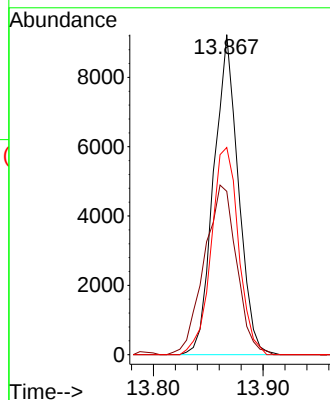
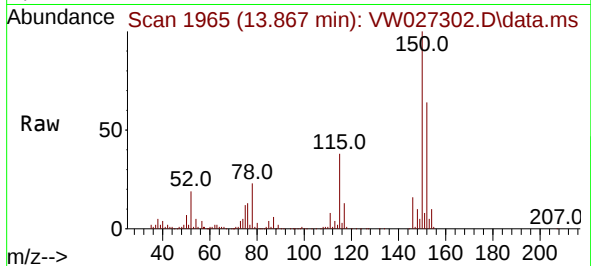
MDL-SOIL-QT4-2023-08

Tgt Ion:	146	Resp:	1441
Ion Ratio	Lower	Upper	
146	100		
111	51.1	36.8	55.2
148	64.7	52.3	78.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#68

1,2-Dibromo-3-chloropropane

Concen: 1.160 ug/L

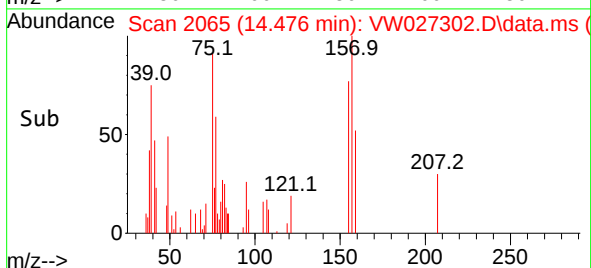
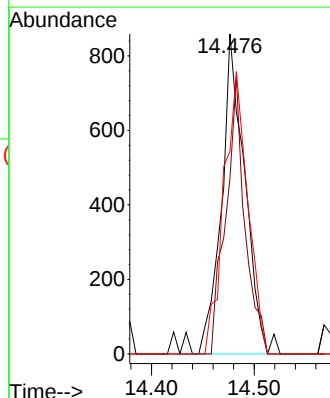
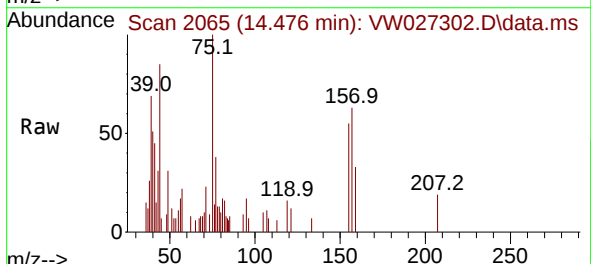
RT: 14.476 min Scan# 2065

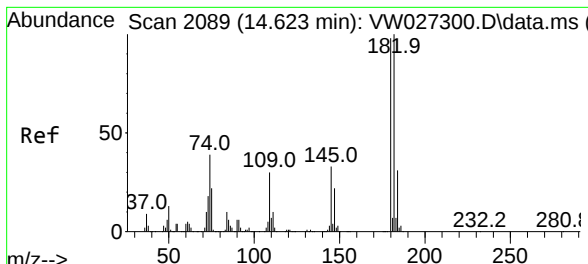
Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

Tgt Ion:	75	Resp:	1366
Ion Ratio	Lower	Upper	
75	100		
155	54.8	54.9	82.3#
157	63.3	64.7	97.1#





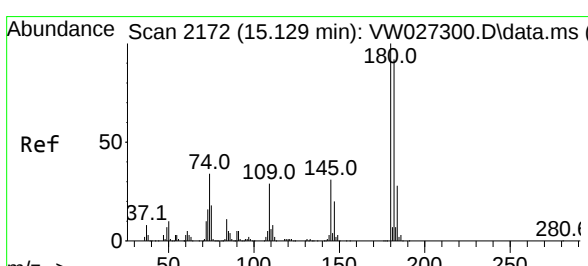
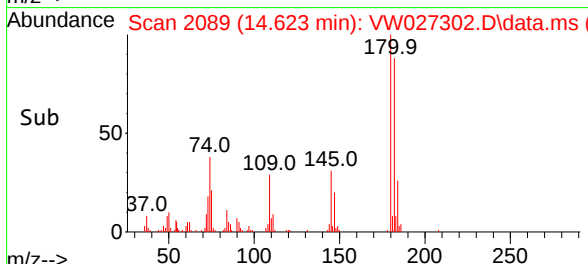
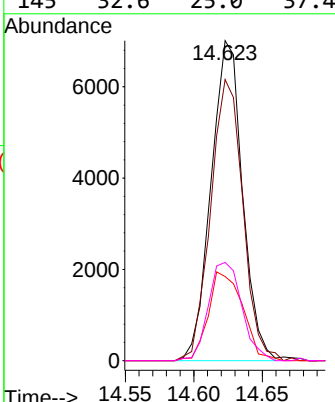
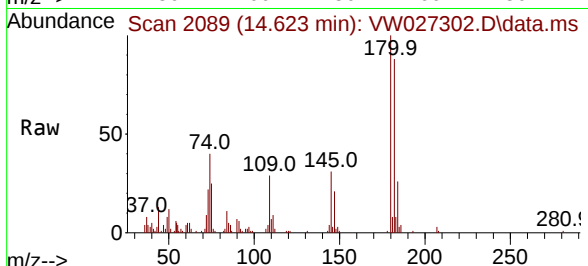
#69
 1,3,5-Trichlorobenzene
 Concen: 1.252 ug/L
 RT: 14.623 min Scan# 2089
 Delta R.T. 0.000 min
 Lab File: VW027302.D
 Acq: 13 Oct 2023 12:33

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

Tgt Ion:	180	Resp:	11178
Ion Ratio	Lower	Upper	
180	100		
182	89.8	73.4	110.0
184	30.4	23.3	34.9
145	32.6	25.0	37.4

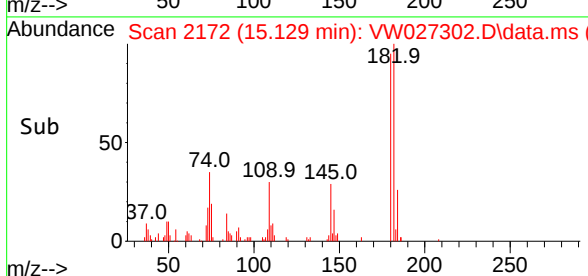
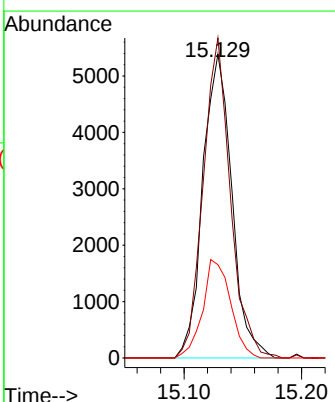
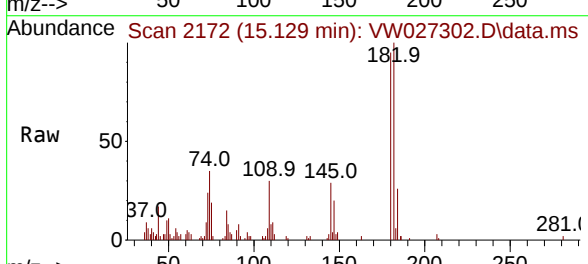
Manual Integrations
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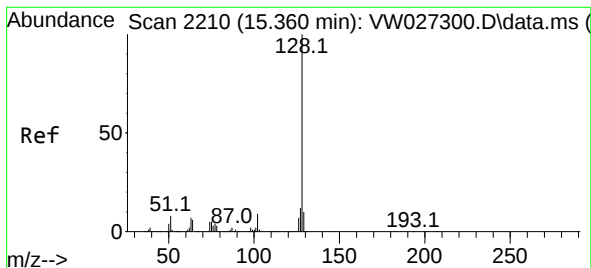
Reviewed By :Semsettin Yesilyurt 10/16/2023
 Supervised By :Mahesh Dadoda 10/16/2023



#70
 1,2,4-trichlorobenzene
 Concen: 1.218 ug/L
 RT: 15.129 min Scan# 2172
 Delta R.T. 0.000 min
 Lab File: VW027302.D
 Acq: 13 Oct 2023 12:33

Tgt Ion:	180	Resp:	9253
Ion Ratio	Lower	Upper	
180	100		
182	98.6	75.5	113.3
145	31.2	26.4	39.6





#71

Naphthalene

Concen: 1.211 ug/L

RT: 15.360 min Scan# 2210

Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

Instrument :

MSVOA_W

ClientSampleId :

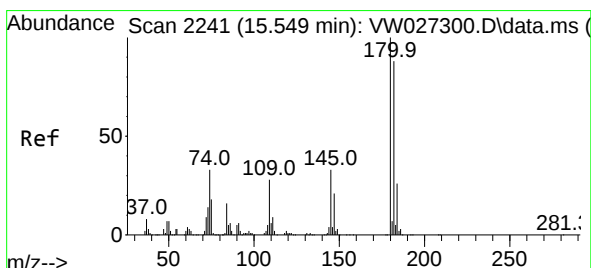
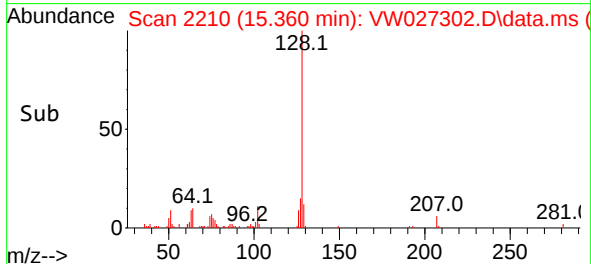
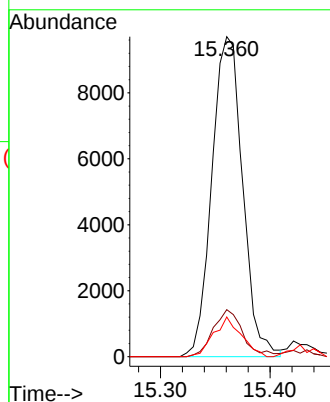
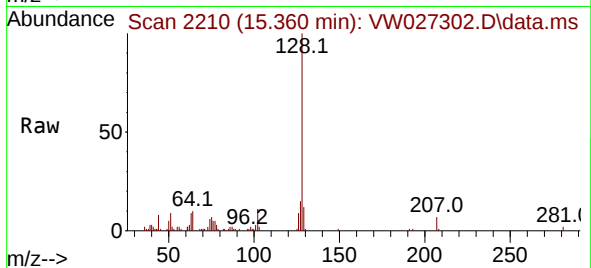
MDL-SOIL-QT4-2023-08

Tgt Ion:	128	Resp:	1892
Ion Ratio	Lower	Upper	
128	100		
127	14.1	10.0	15.0
129	11.1	8.5	12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/16/2023
Supervised By :Mahesh Dadoda 10/16/2023



#72

1,2,3-Trichlorobenzene

Concen: 1.260 ug/L

RT: 15.549 min Scan# 2241

Delta R.T. 0.000 min

Lab File: VW027302.D

Acq: 13 Oct 2023 12:33

Tgt Ion:	180	Resp:	7868
Ion Ratio	Lower	Upper	
180	100		
182	98.3	81.1	121.7
145	38.6	30.6	45.8

