

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW050724\
 Data File : VW028589.D
 Acq On : 07 May 2024 11:47
 Operator : SY/MD
 Sample : P2409-03
 Misc : 5.00g/10mL/MSVOA_W/SOIL/A
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT2-2024-03

Quant Time: May 08 04:27:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050224SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed May 08 04:24:37 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024
 Supervised By :Mahesh Dadoda 05/08/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	8.843	114	321025	25.000	ug/L	0.00
28) Chlorobenzene-d5	11.629	117	281215	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.556	152	134055	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	2.363	65	134012	21.983	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.920%
7) Chloroethane-d5	2.899	69	106738	22.867	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.480%
11) 1,1-Dichloroethene-d2	4.027	65	56593	22.220	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	88.880%
21) 2-Butanone-d5	7.075	46	61525	38.685	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.360%
24) Chloroform-d	7.648	84	223935	22.324	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.280%
26) 1,2-Dichloroethane-d4	8.307	65	130522	22.728	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.920%
32) Benzene-d6	8.276	84	453469	24.169	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	96.680%
36) 1,2-Dichloropropane-d6	9.276	67	136286	24.139	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.560%
41) Toluene-d8	10.325	98	394974	23.771	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.080%
43) trans-1,3-Dichloroprop...	10.581	79	53207	23.426	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.720%
47) 2-Hexanone-d5	10.922	63	42490	43.635	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	87.280%
56) 1,1,2,2-Tetrachloroeth...	12.690	84	105827	22.354	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.400%
66) 1,2-Dichlorobenzene-d4	13.848	152	122721	24.019	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.080%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.009	85	3819	0.819	ug/L	99
3) Chloromethane	2.222	50	4985	0.863	ug/L	96
5) Vinyl chloride	2.375	62	6543m	1.006	ug/L	
6) Bromomethane	2.783	94	4046m	1.075	ug/L	
8) Chloroethane	2.942	64	3845	1.036	ug/L	90
9) Trichlorofluoromethane	3.271	101	4146	0.776	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	4.070	101	6360m	1.291	ug/L	
12) 1,1-Dichloroethene	4.039	96	5932m	1.343	ug/L	
14) Carbon disulfide	4.393	76	13293	0.890	ug/L	96
15) Methyl Acetate	4.685	43	2682m	1.065	ug/L	
17) trans-1,2-Dichloroethene	5.435	96	4081m	0.887	ug/L	
18) Methyl tert-butyl Ether	5.429	73	5855	0.863	ug/L #	71
19) 1,1-Dichloroethane	6.222	63	7798	0.855	ug/L	90
20) cis-1,2-Dichloroethene	7.167	96	4274	0.888	ug/L	98
22) 2-Butanone	7.185	43	4443m	2.392	ug/L	
23) Bromochloromethane	7.514	128	1913	0.911	ug/L	89
25) Chloroform	7.679	83	8887	1.007	ug/L	87
27) 1,2-Dichloroethane	8.398	62	6178	0.963	ug/L	97
29) Cyclohexane	7.953	56	6334	0.790	ug/L	95

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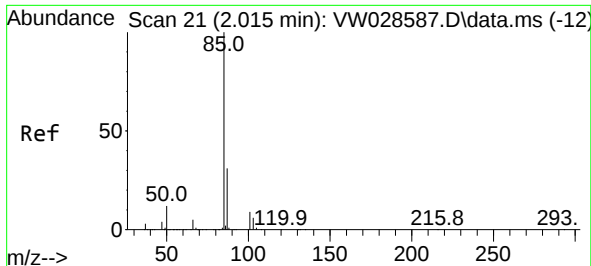
Quant Time: May 08 04:27:29 2024
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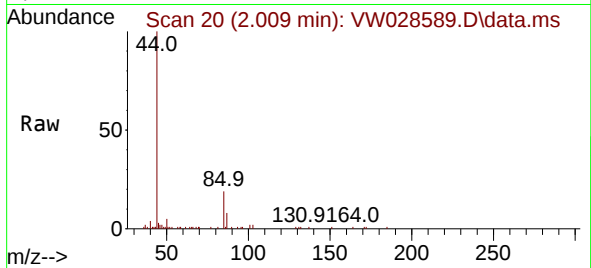
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	7.880	97	6745	0.957	ug/L	97
31) Carbon tetrachloride	8.069	117	5716	0.890	ug/L	99
33) Benzene	8.319	78	16656	0.913	ug/L	100
34) Trichloroethene	9.093	95	4614	0.944	ug/L	94
35) Methylcyclohexane	9.331	83	7008	0.820	ug/L	94
37) 1,2-Dichloropropane	9.368	63	4579	0.964	ug/L #	91
38) Bromodichloromethane	9.648	83	5250	0.906	ug/L	99
39) cis-1,3-Dichloropropene	10.075	75	6130	0.900	ug/L	94
40) 4-Methyl-2-pentanone	10.209	43	5586m	1.727	ug/L	
42) Toluene	10.386	91	17286	0.918	ug/L	90
44) trans-1,3-Dichloropropene	10.605	75	4954m	0.863	ug/L	
45) 1,1,2-Trichloroethane	10.788	97	3172	0.922	ug/L	92
46) Tetrachloroethene	10.861	164	3461	0.983	ug/L	89
48) 2-Hexanone	10.971	43	4563m	1.999	ug/L	
49) Dibromochloromethane	11.123	129	3226	0.934	ug/L	91
50) 1,2-Dibromoethane	11.233	107	2909	0.902	ug/L #	91
51) Chlorobenzene	11.660	112	10913	0.937	ug/L	98
52) Ethylbenzene	11.733	91	18007	0.845	ug/L	95
53) m,p-Xylene	11.837	106	6094	0.780	ug/L	97
54) o-Xylene	12.166	106	5538	0.766	ug/L	93
55) Styrene	12.178	104	9253	0.756	ug/L	96
57) 1,1,2,2-Tetrachloroethane	12.714	83	4467	1.034	ug/L #	96
59) Bromoform	12.349	173	1668	0.853	ug/L	100
60) Isopropylbenzene	12.458	105	15375	0.756	ug/L	97
61) 1,2,3-Trichloropropane	12.763	75	2755m	0.850	ug/L	
62) 1,3,5-Trimethylbenzene	12.940	105	10621m	0.738	ug/L	
63) 1,2,4-Trimethylbenzene	13.245	105	10767	0.694	ug/L	97
64) 1,3-Dichlorobenzene	13.495	146	7292	0.862	ug/L	96
65) 1,4-Dichlorobenzene	13.574	146	8397	0.971	ug/L	94
67) 1,2-Dichlorobenzene	13.861	146	7628	1.007	ug/L	95
68) 1,2-Dibromo-3-chloropr...	14.482	75	764m	1.009	ug/L	
69) 1,3,5-Trichlorobenzene	14.623	180	5384	0.948	ug/L	97
70) 1,2,4-trichlorobenzene	15.129	180	4370	0.953	ug/L	93
71) Naphthalene	15.360	128	6692	0.685	ug/L #	92
72) 1,2,3-Trichlorobenzene	15.555	180	3363	0.812	ug/L	98

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



#2
Dichlorodifluoromethane
Concen: 0.819 ug/L
RT: 2.009 min Scan# 20
Delta R.T. -0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

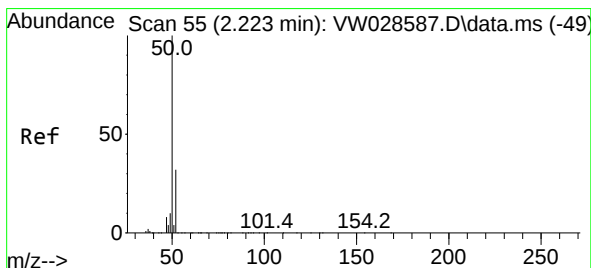
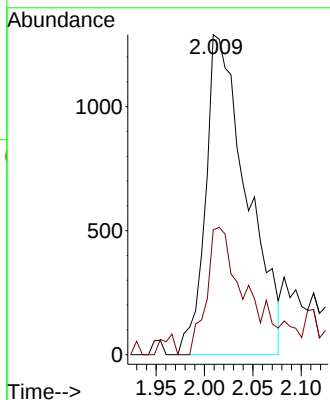
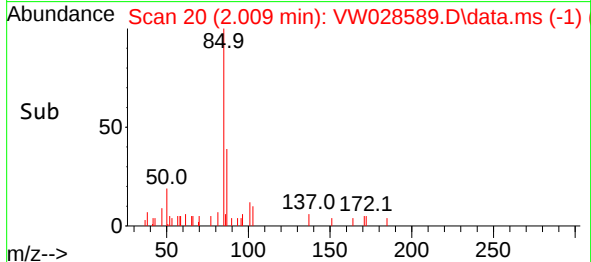
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 85 Resp: 3819
Ion Ratio Lower Upper
85 100
87 27.1 21.9 32.9

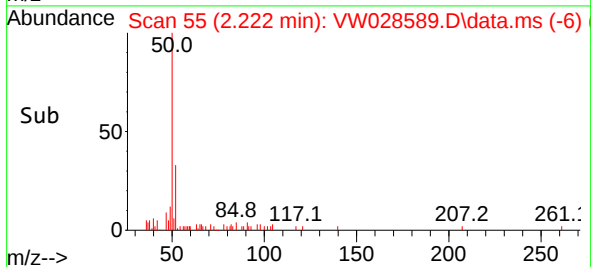
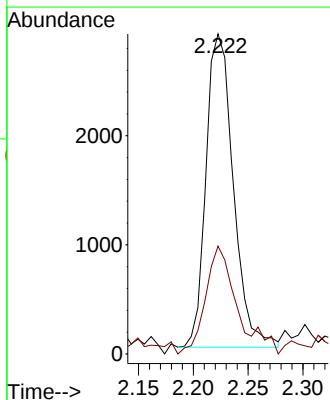
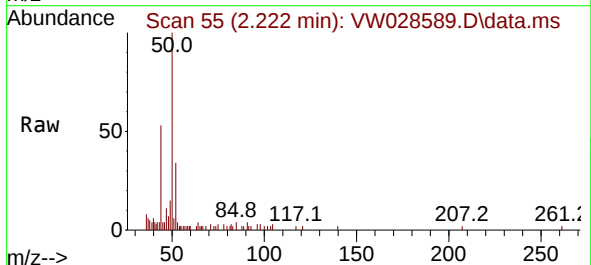
Manual Integrations
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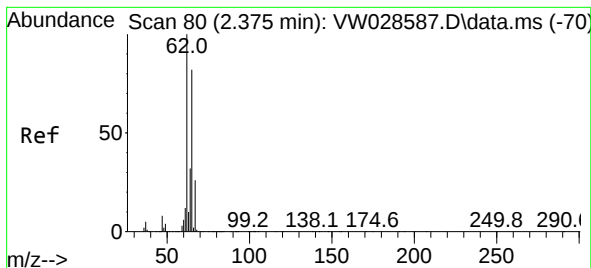
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#3
Chloromethane
Concen: 0.863 ug/L
RT: 2.222 min Scan# 55
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Tgt Ion: 50 Resp: 4985
Ion Ratio Lower Upper
50 100
52 33.7 22.0 41.0





#5

Vinyl chloride

Concen: 1.006 ug/L m

RT: 2.375 min Scan# 80

Delta R.T. -0.000 min

Lab File: VW028589.D

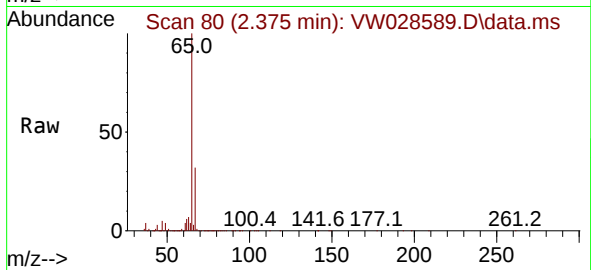
Acq: 07 May 2024 11:47

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2024-03

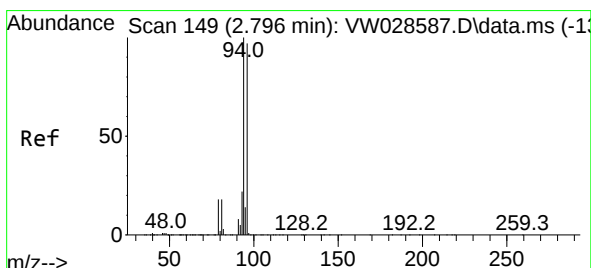
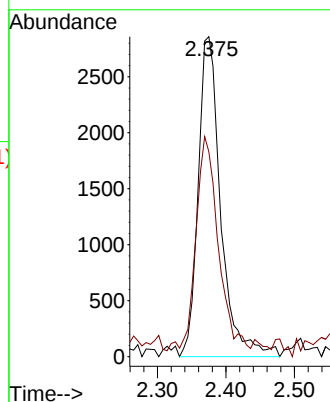
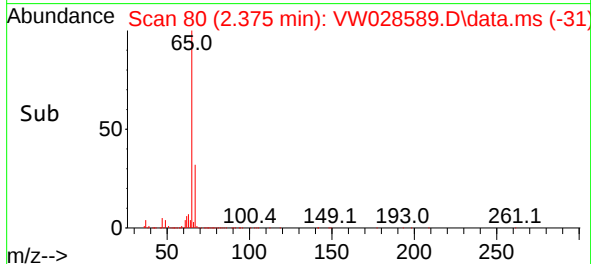


Tgt Ion: 62	Resp: 654
Ion Ratio	Lower Upper
62	100
64	64.0 23.3 43.3

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Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#6

Bromomethane

Concen: 1.075 ug/L m

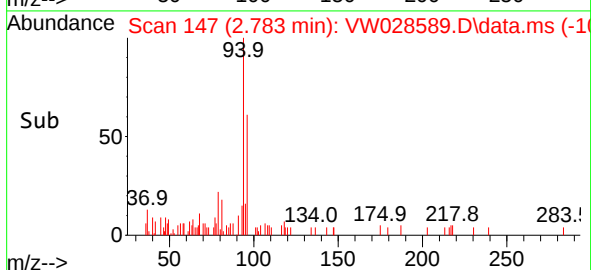
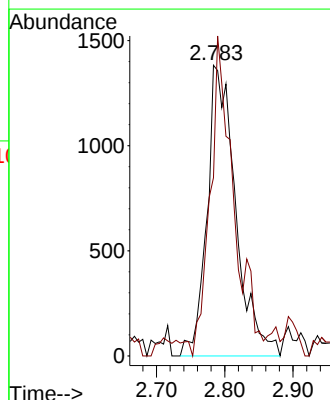
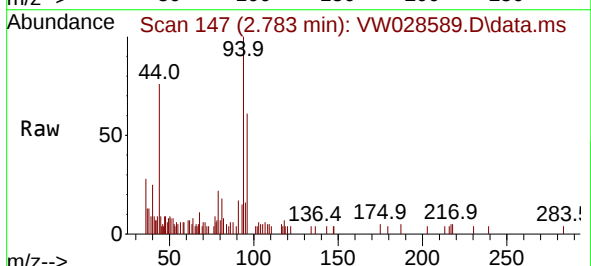
RT: 2.783 min Scan# 147

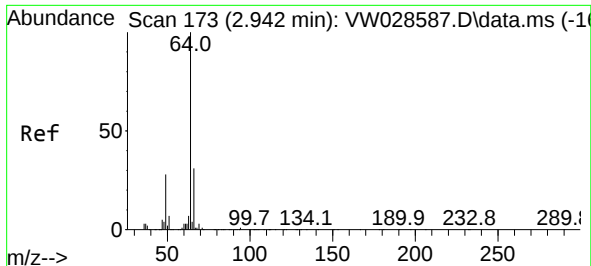
Delta R.T. -0.012 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

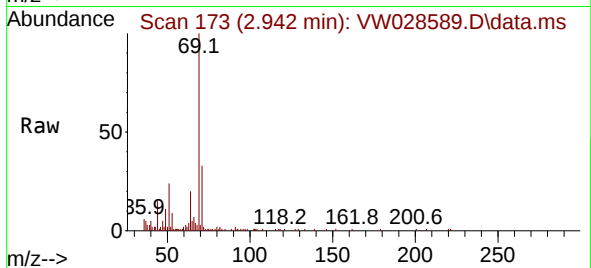
Tgt Ion: 94	Resp: 4046
Ion Ratio	Lower Upper
94	100
96	61.3 66.3 123.1





#8
Chloroethane
Concen: 1.036 ug/L
RT: 2.942 min Scan# 173
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

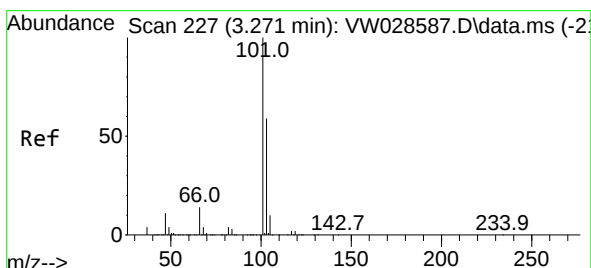
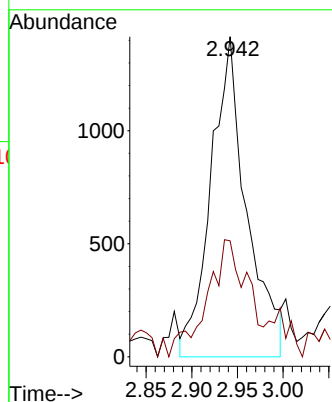
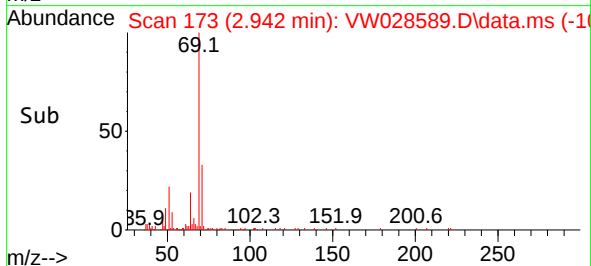
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 64 Resp: 384
Ion Ratio Lower Upper
64 100
66 36.2 21.7 40.3

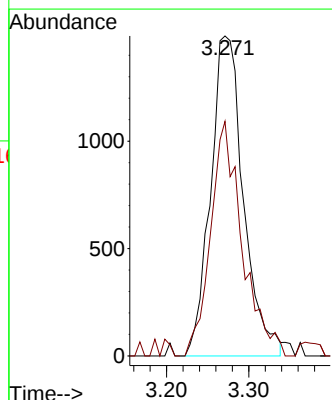
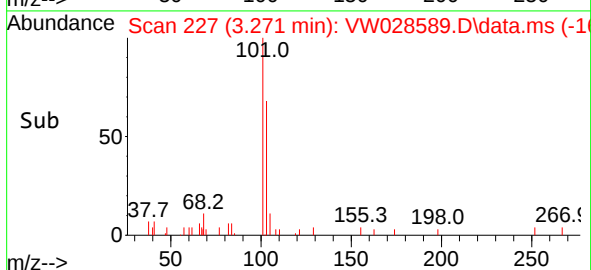
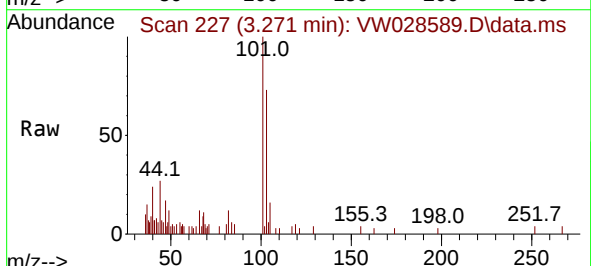
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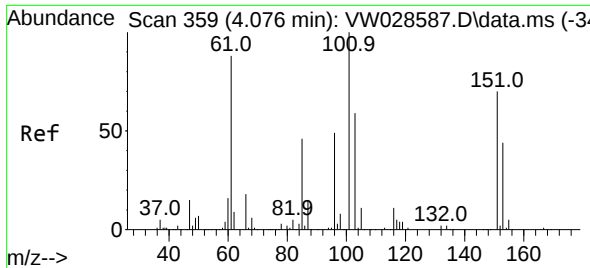
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#9
Trichlorofluoromethane
Concen: 0.776 ug/L
RT: 3.271 min Scan# 227
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Tgt Ion:101 Resp: 4146
Ion Ratio Lower Upper
101 100
103 68.7 50.4 75.6





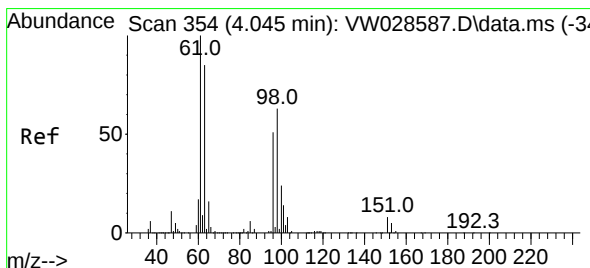
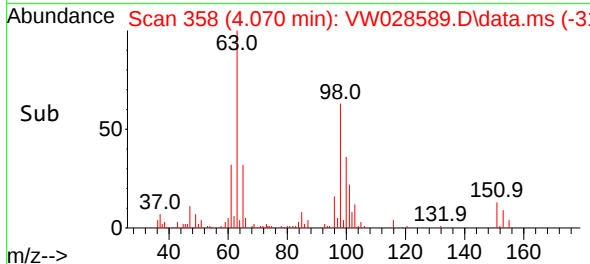
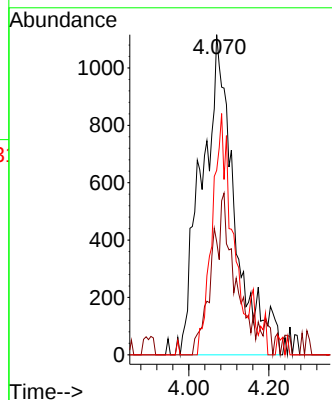
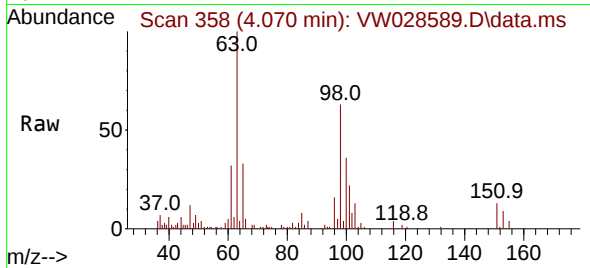
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 1.291 ug/L m
RT: 4.070 min Scan# 359
Delta R.T. -0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Instrument :
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Tgt Ion: 101 Resp: 6360
Ion Ratio Lower Upper
101 100
85 4.6 35.8 53.8
151 0.0 49.6 74.4

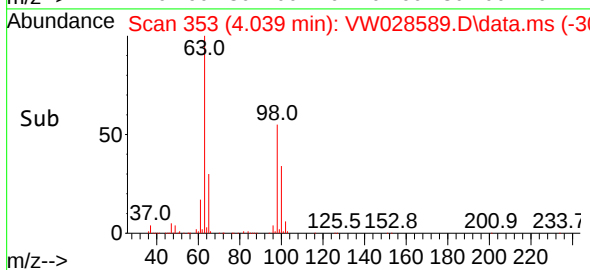
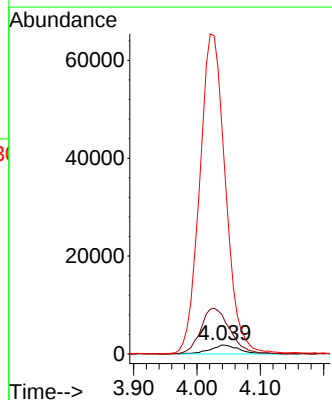
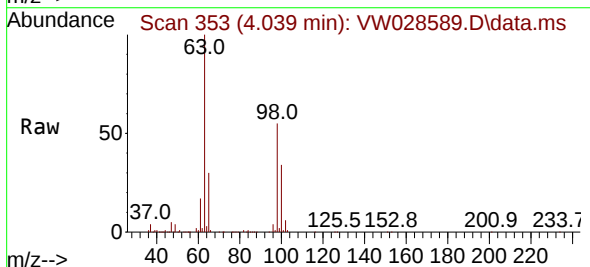
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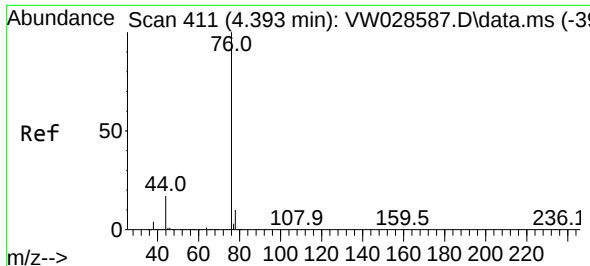
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#12
1,1-Dichloroethene
Concen: 1.343 ug/L m
RT: 4.039 min Scan# 353
Delta R.T. -0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

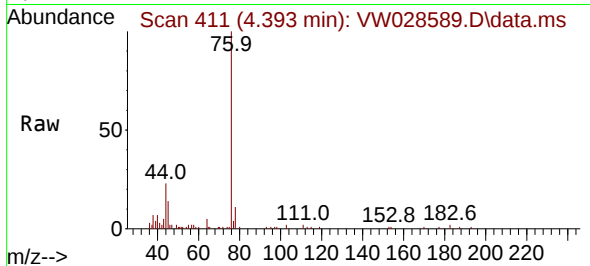
Tgt Ion: 96 Resp: 5932
Ion Ratio Lower Upper
96 100
61 439.4 131.6 244.4#
63 2543.3 111.4 206.8#





#14
Carbon disulfide
Concen: 0.890 ug/L
RT: 4.393 min Scan# 411
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

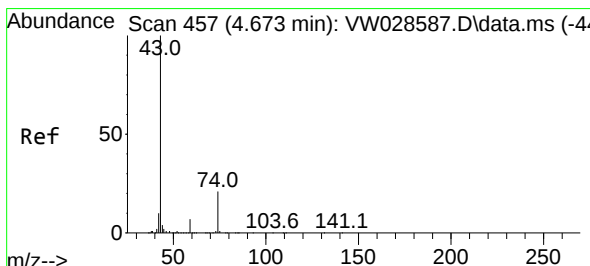
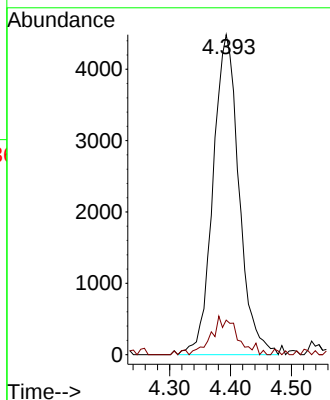
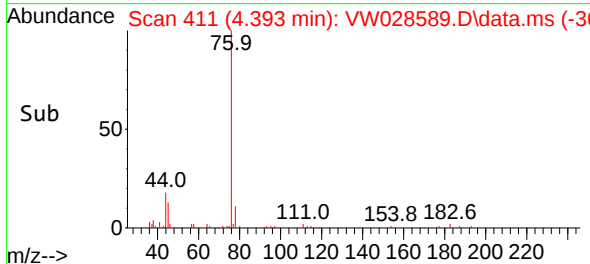
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 76 Resp: 1329
Ion Ratio Lower Upper
76 100
78 10.8 7.4 11.0

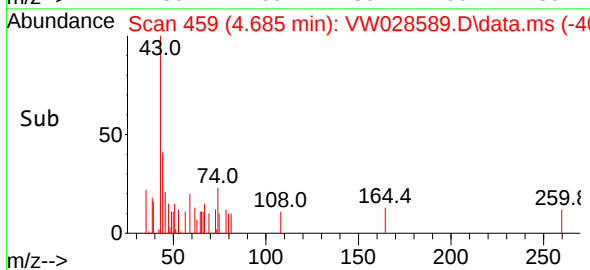
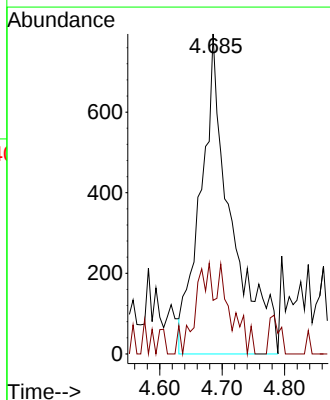
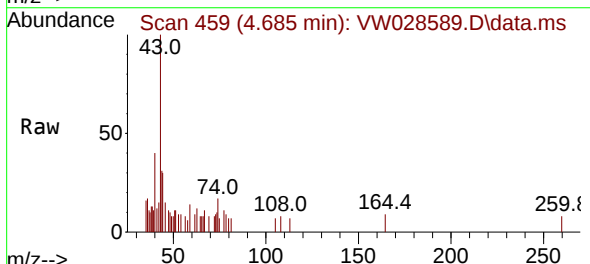
Manual Integrations
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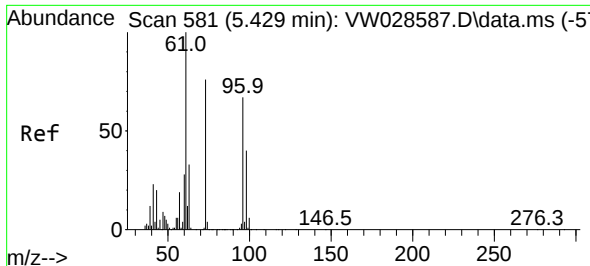
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#15
Methyl Acetate
Concen: 1.065 ug/L m
RT: 4.685 min Scan# 459
Delta R.T. 0.012 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

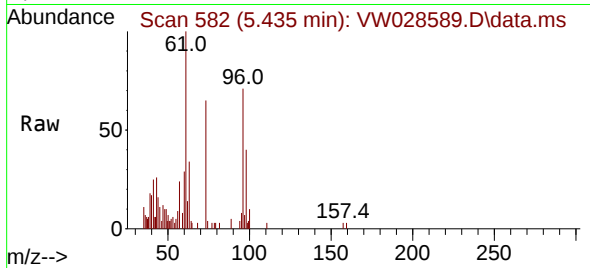
Tgt Ion: 43 Resp: 2682
Ion Ratio Lower Upper
43 100
74 0.7 17.6 26.4#





#17
trans-1,2-Dichloroethene
Concen: 0.887 ug/L m
RT: 5.435 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

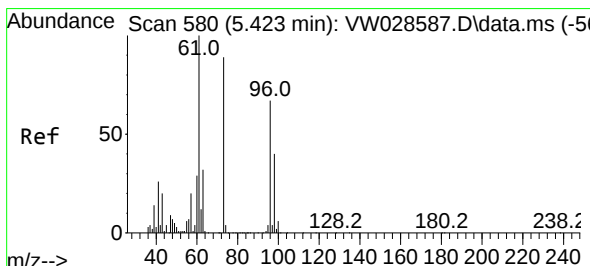
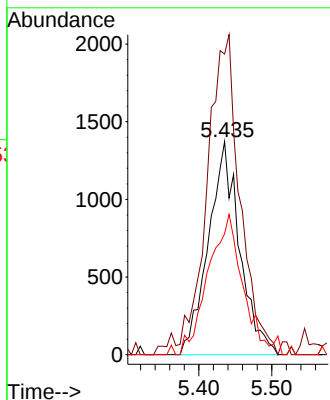
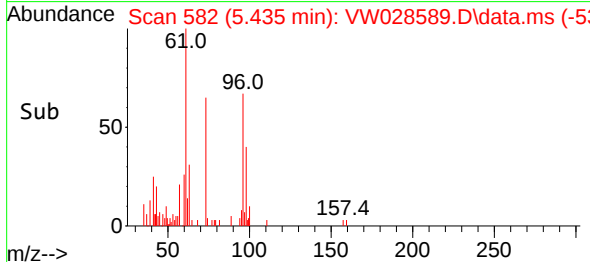
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 96 Resp: 408
Ion Ratio Lower Upper
96 100
61 141.0 109.0 202.4
98 56.7 44.2 82.0

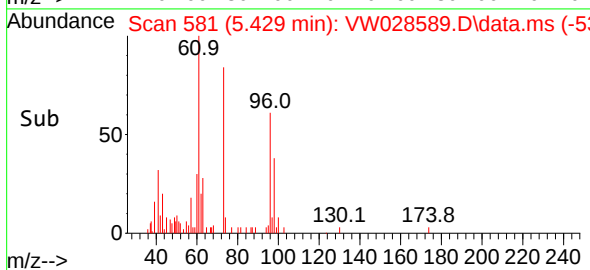
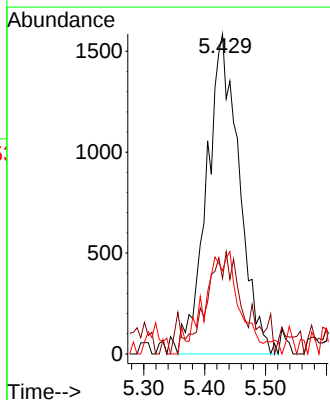
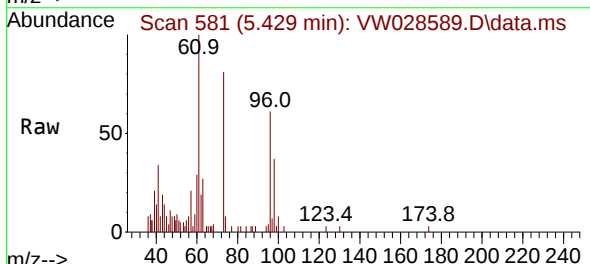
Manual Integrations
APPROVED

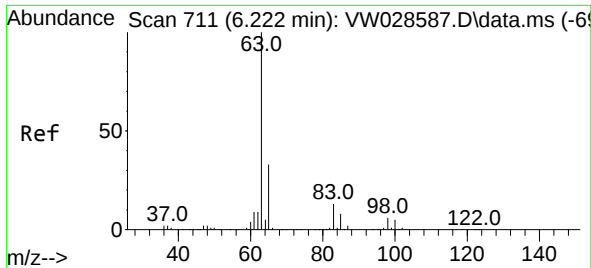
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#18
Methyl tert-butyl Ether
Concen: 0.863 ug/L
RT: 5.429 min Scan# 581
Delta R.T. 0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Tgt Ion: 73 Resp: 5855
Ion Ratio Lower Upper
73 100
43 6.2 19.2 28.8#
57 12.3 18.5 27.7#





#19

1,1-Dichloroethane

Concen: 0.855 ug/L

RT: 6.222 min Scan# 711

Delta R.T. -0.000 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Instrument :

MSVOA_W

ClientSampleId :

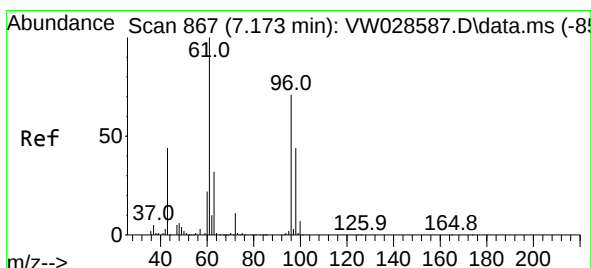
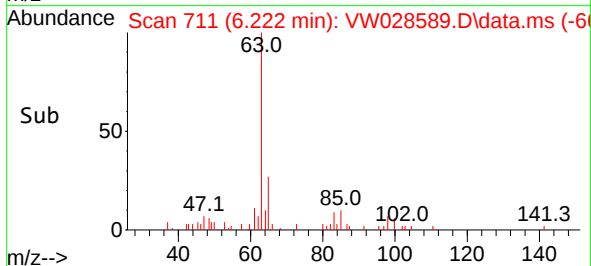
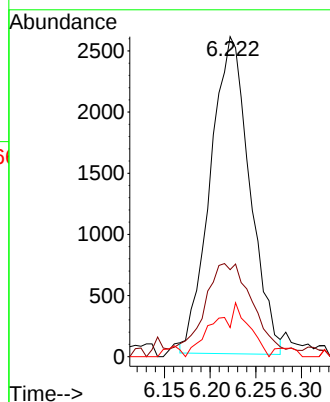
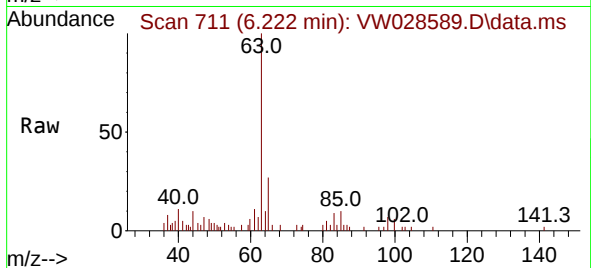
MDL-SOIL-QT2-2024-03

Tgt Ion:	63	Resp:	779
Ion Ratio	Lower	Upper	
63	100		
65	27.2	22.9	42.5
83	9.1	9.0	16.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#20

cis-1,2-Dichloroethene

Concen: 0.888 ug/L

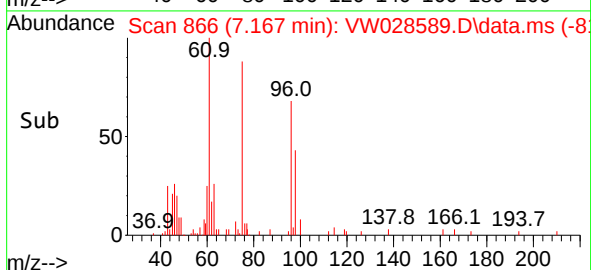
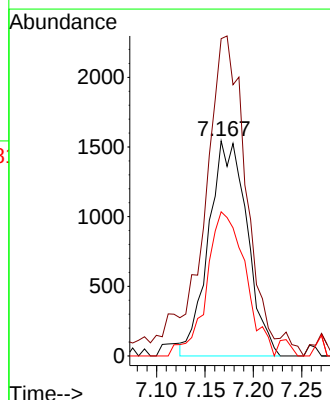
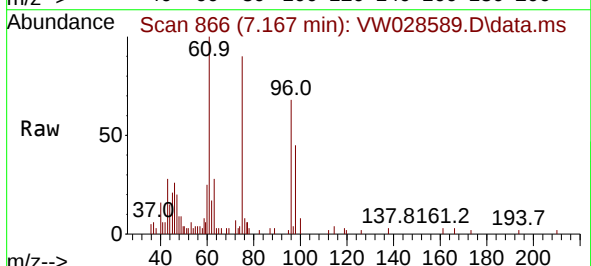
RT: 7.167 min Scan# 866

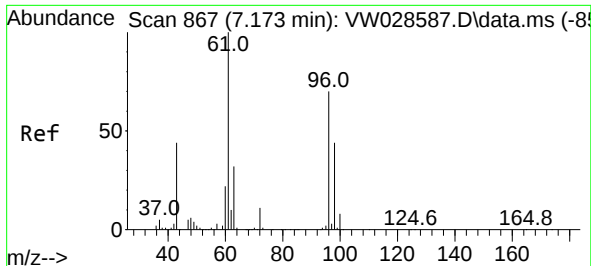
Delta R.T. -0.006 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Tgt Ion:	96	Resp:	4274
Ion Ratio	Lower	Upper	
96	100		
61	147.5	102.8	191.0
98	67.0	44.3	82.3





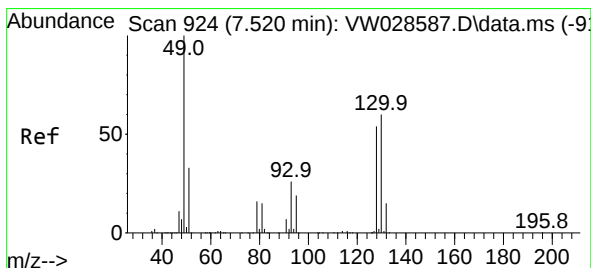
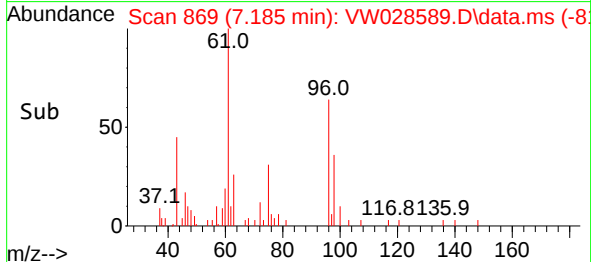
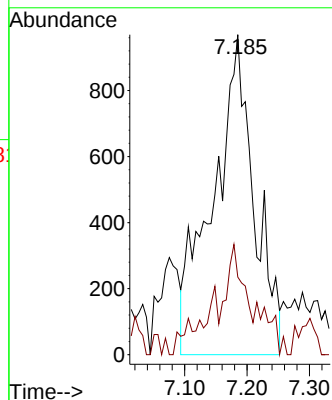
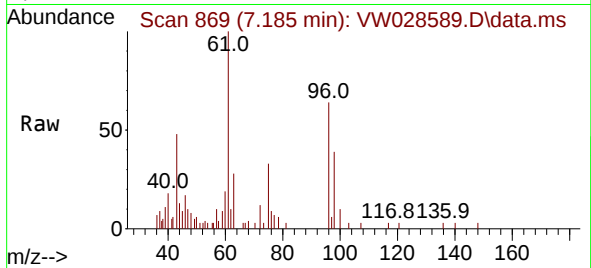
#22
2-Butanone
Concen: 2.392 ug/L m
RT: 7.185 min Scan# 869
Delta R.T. 0.012 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03

Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
72 15.1 12.2 36.6

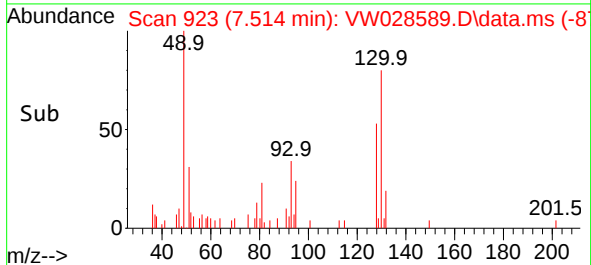
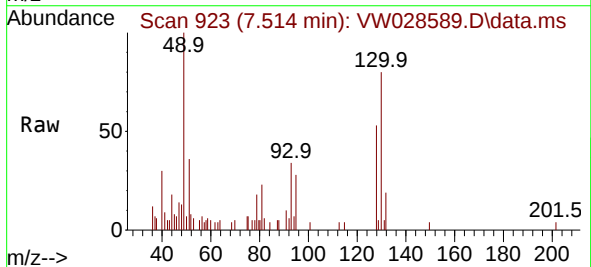
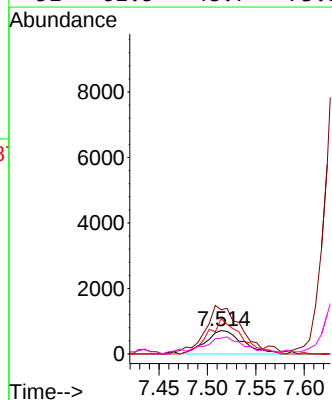
Manual Integrations
APPROVED

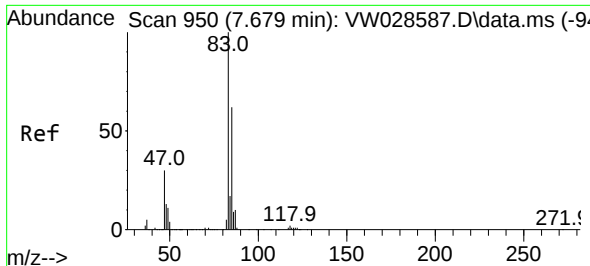
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#23
Bromochloromethane
Concen: 0.911 ug/L
RT: 7.514 min Scan# 923
Delta R.T. -0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Tgt Ion:128 Resp: 1913
Ion Ratio Lower Upper
128 100
49 171.9 139.6 259.2
130 137.5 91.2 169.4
51 61.5 48.7 73.1





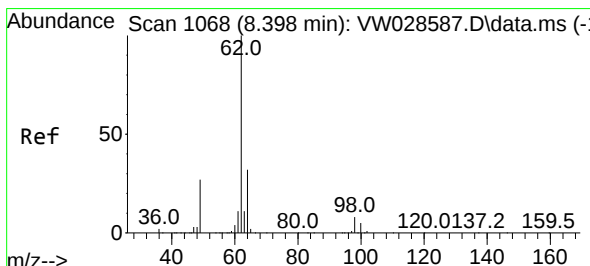
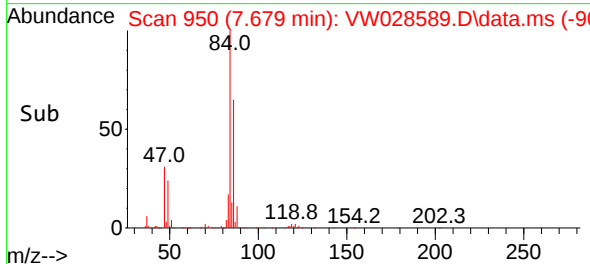
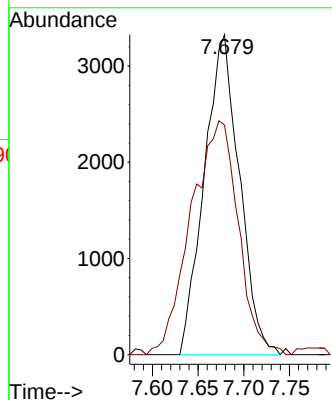
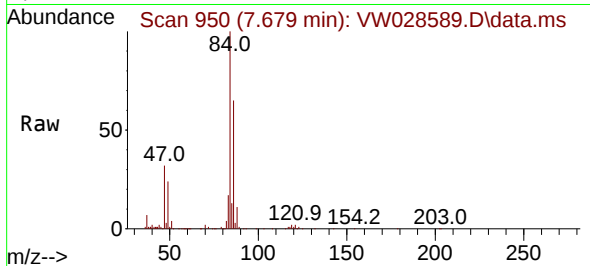
#25
Chloroform
Concen: 1.007 ug/L
RT: 7.679 min Scan# 910
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03

Tgt Ion: 83 Resp: 888
Ion Ratio Lower Upper
83 100
85 71.8 43.4 80.6

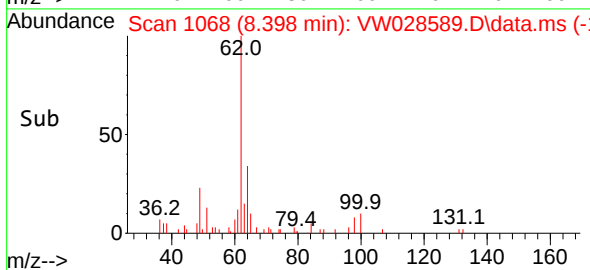
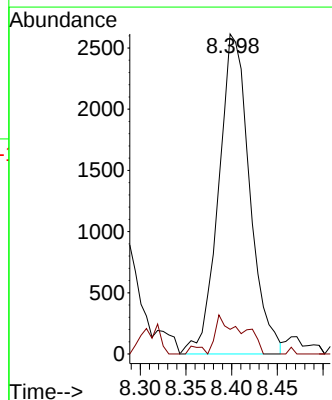
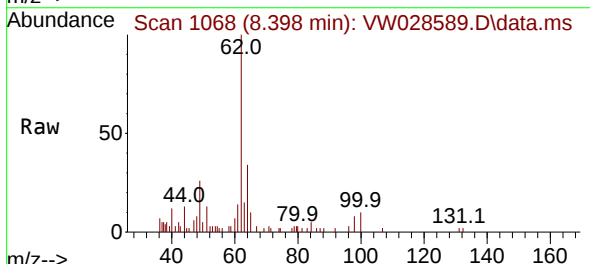
Manual Integrations
APPROVED

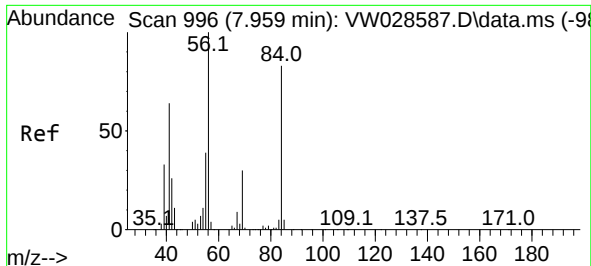
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#27
1,2-Dichloroethane
Concen: 0.963 ug/L
RT: 8.398 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

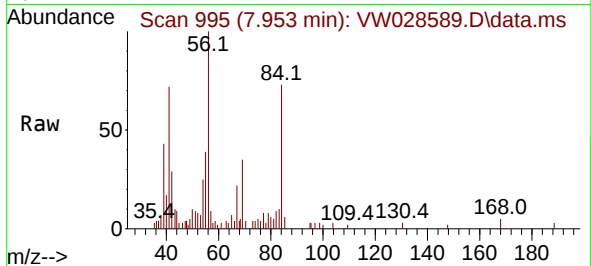
Tgt Ion: 62 Resp: 6178
Ion Ratio Lower Upper
62 100
98 7.7 7.0 10.6





#29
Cyclohexane
Concen: 0.790 ug/L
RT: 7.953 min Scan# 995
Delta R.T. -0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

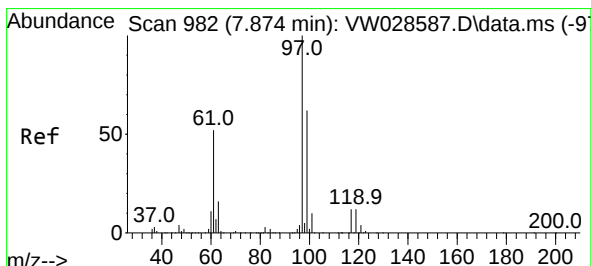
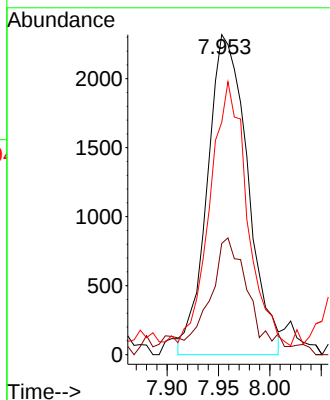
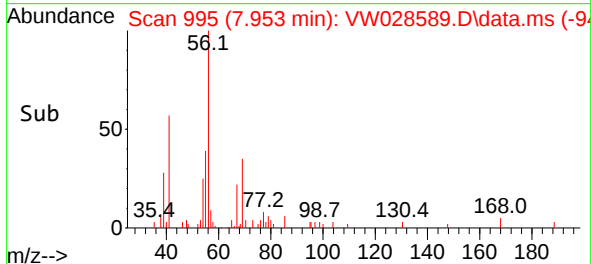
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



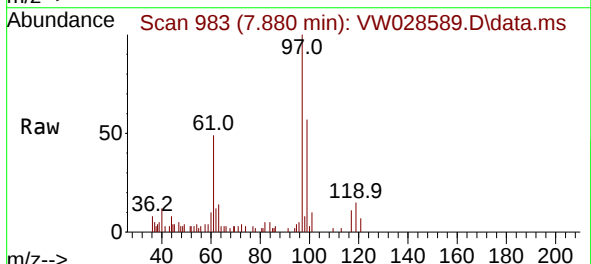
Tgt Ion: 56 Resp: 6334
Ion Ratio Lower Upper
56 100
69 25.9 23.4 35.0
84 78.5 65.8 98.8

Manual Integrations
APPROVED

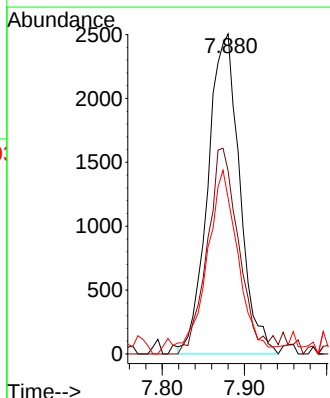
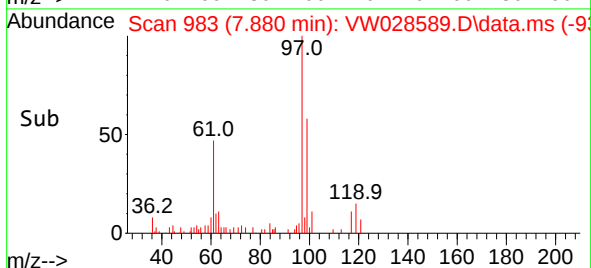
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024

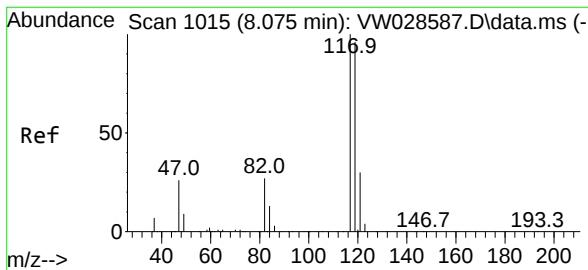


#30
1,1,1-Trichloroethane
Concen: 0.957 ug/L
RT: 7.880 min Scan# 983
Delta R.T. 0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47



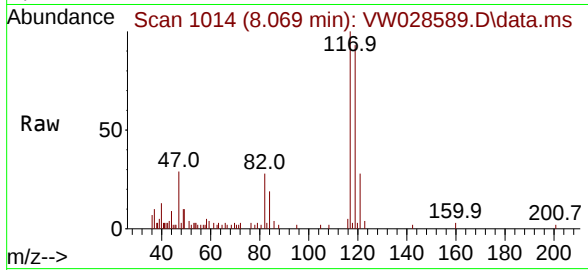
Tgt Ion: 97 Resp: 6745
Ion Ratio Lower Upper
97 100
99 63.4 50.9 76.3
61 55.8 41.0 61.6





#31
Carbon tetrachloride
Concen: 0.890 ug/L
RT: 8.069 min Scan# 1014
Delta R.T. -0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

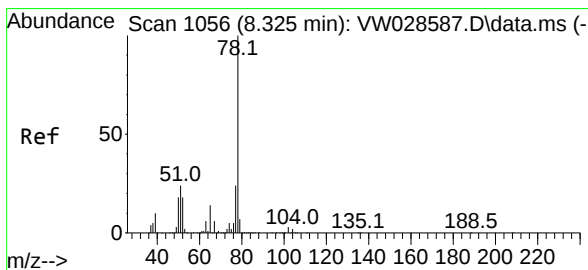
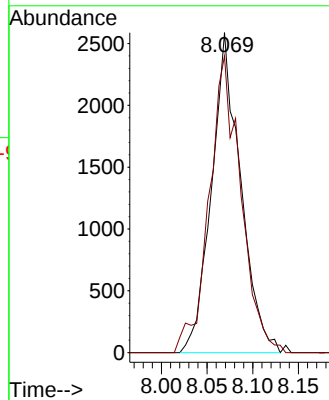
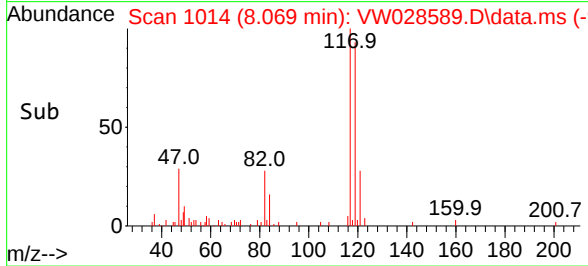
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2024-03



Tgt Ion:117 Resp: 5710
Ion Ratio Lower Upper
117 100
119 97.1 77.2 115.8

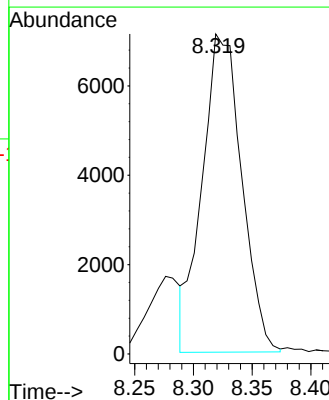
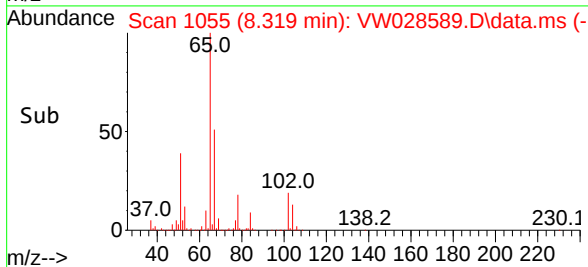
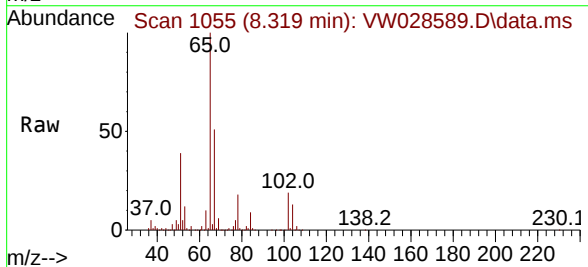
Manual Integrations
APPROVED

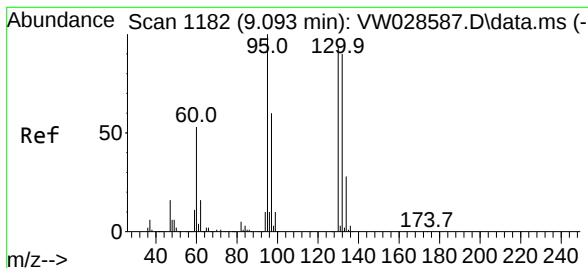
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#33
Benzene
Concen: 0.913 ug/L
RT: 8.319 min Scan# 1055
Delta R.T. -0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Tgt Ion: 78 Resp: 16656





#34

Trichloroethene

Concen: 0.944 ug/L

RT: 9.093 min Scan# 1182

Delta R.T. -0.000 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2024-03

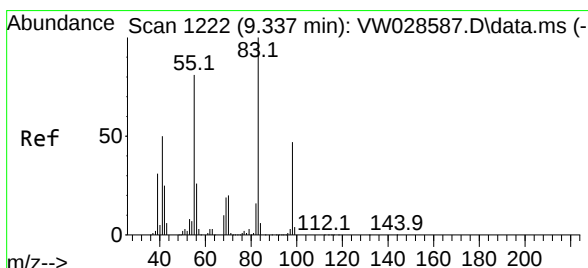
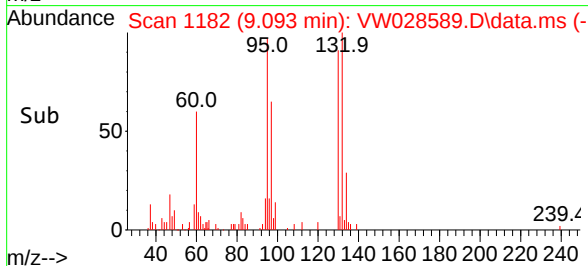
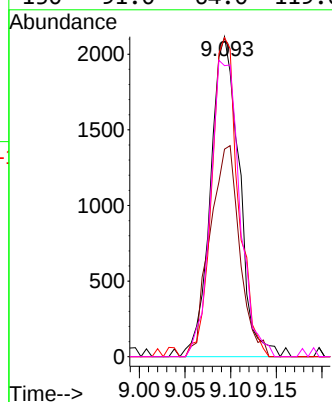
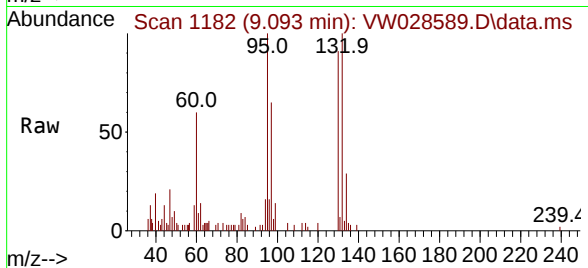
Tgt Ion	Ratio	Lower	Upper
95	100		
97	64.8	44.9	83.3
132	99.7	59.7	110.9
130	91.0	64.0	119.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024

Supervised By :Mahesh Dadoda 05/08/2024



#35

Methylcyclohexane

Concen: 0.820 ug/L

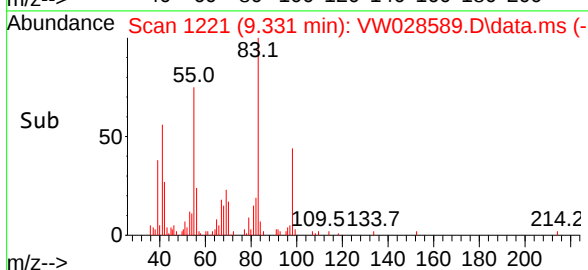
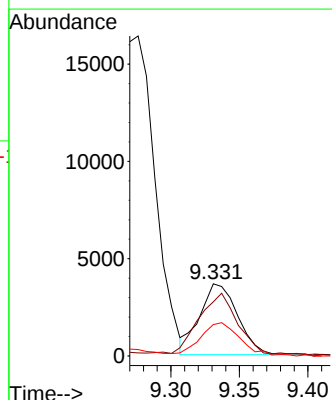
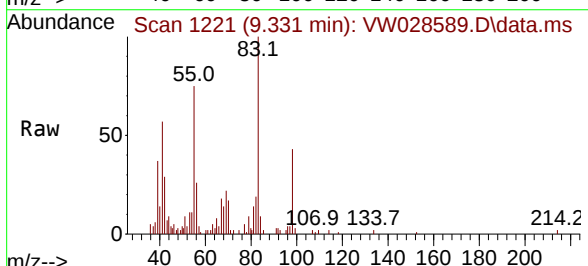
RT: 9.331 min Scan# 1221

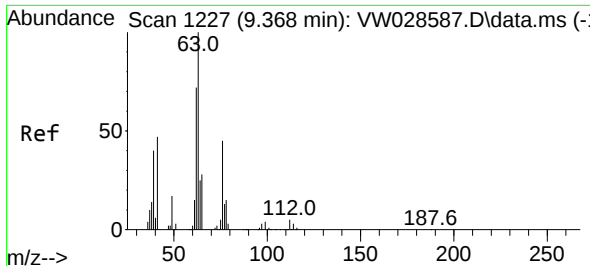
Delta R.T. -0.006 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
55	91.8	66.9	100.3
98	48.5	37.9	56.9





#37

1,2-Dichloropropane

Concen: 0.964 ug/L

RT: 9.368 min Scan# 1227

Delta R.T. -0.000 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2024-03

Tgt Ion: 63 Resp: 4579

Ion Ratio Lower Upper

63 100

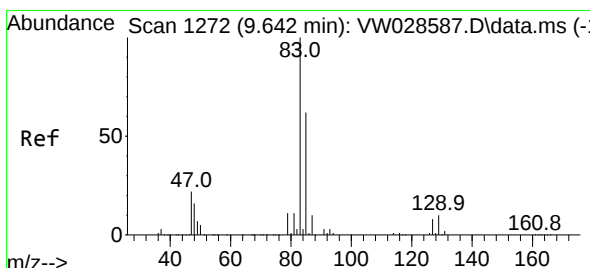
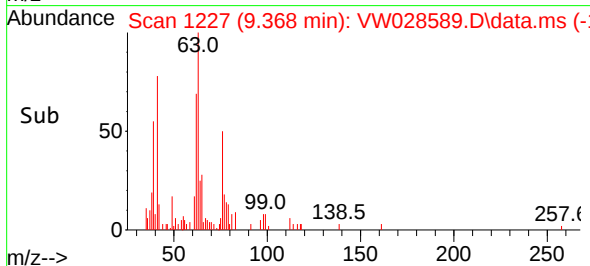
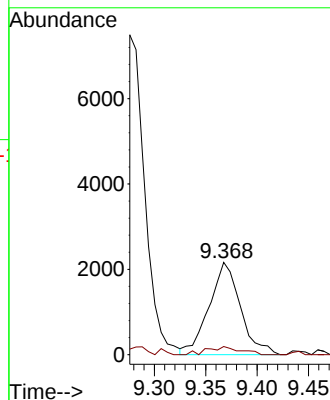
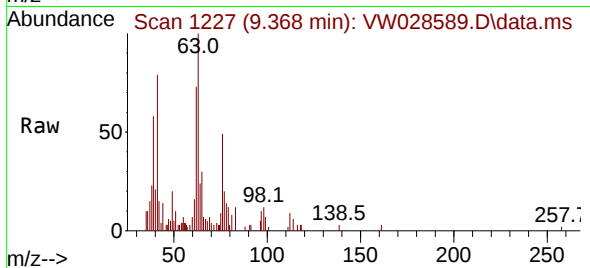
112 1.3 3.5 5.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024

Supervised By :Mahesh Dadoda 05/08/2024



#38

Bromodichloromethane

Concen: 0.906 ug/L

RT: 9.648 min Scan# 1273

Delta R.T. 0.006 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

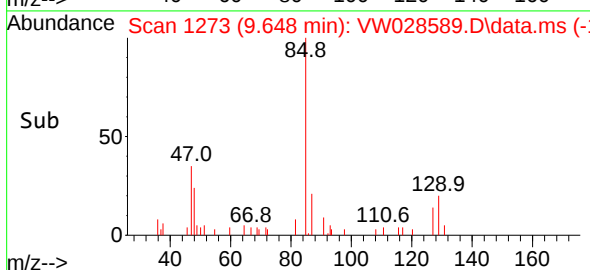
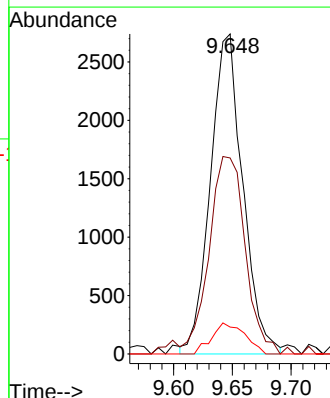
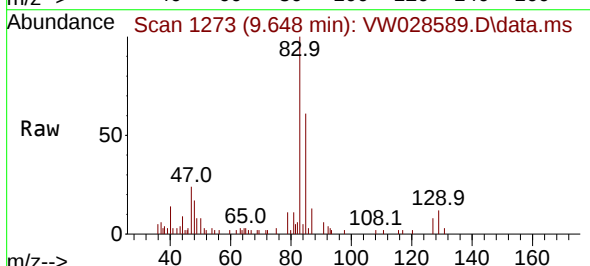
Tgt Ion: 83 Resp: 5250

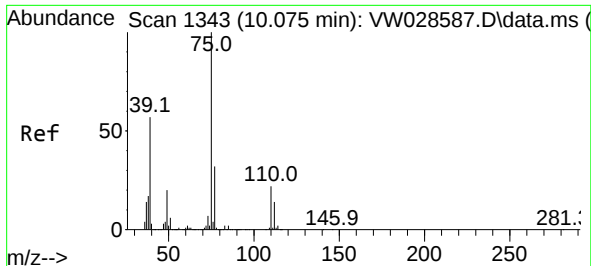
Ion Ratio Lower Upper

83 100

85 61.3 43.0 80.0

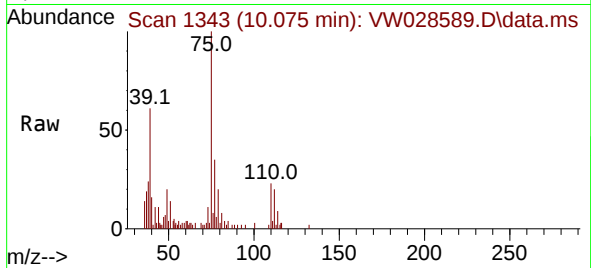
127 8.4 5.9 8.9





#39
cis-1,3-Dichloropropene
Concen: 0.900 ug/L
RT: 10.075 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

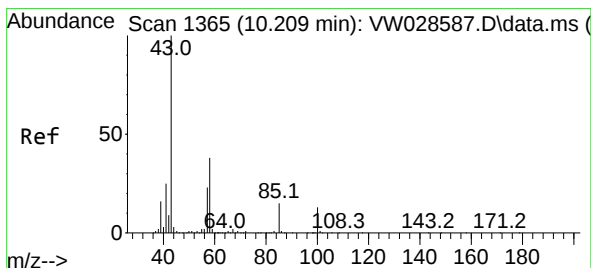
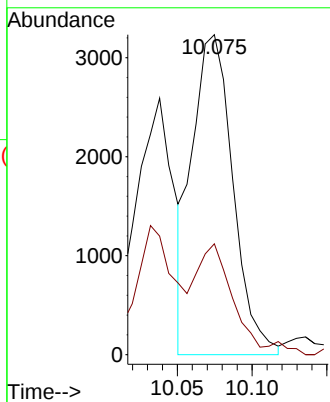
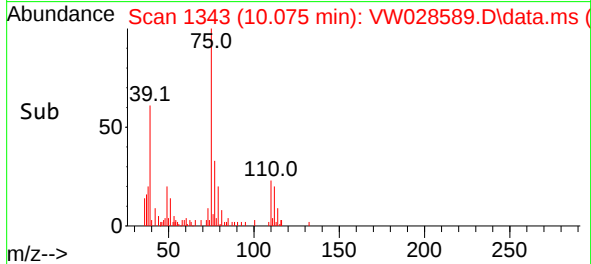
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 75 Resp: 6130
Ion Ratio Lower Upper
75 100
77 34.7 21.8 40.6

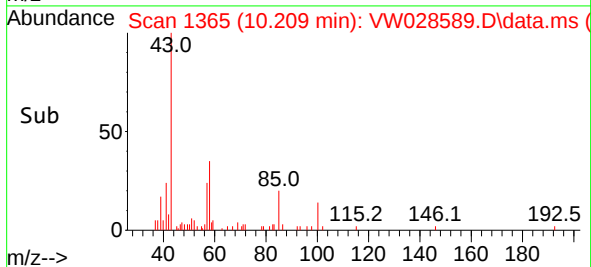
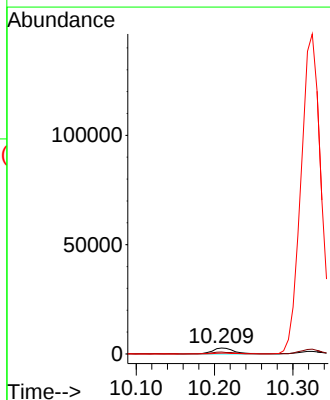
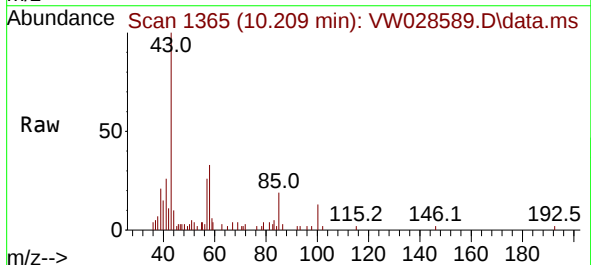
Manual Integrations
APPROVED

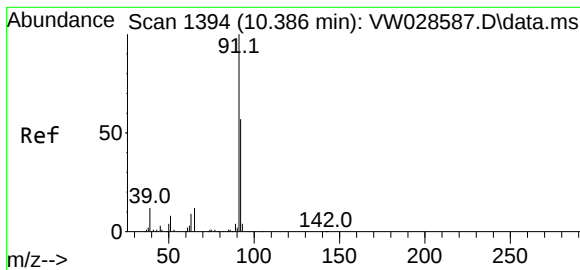
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#40
4-Methyl-2-pentanone
Concen: 1.727 ug/L m
RT: 10.209 min Scan# 1365
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Tgt Ion: 43 Resp: 5586
Ion Ratio Lower Upper
43 100
58 26.6 29.2 43.8#
100 13.2 11.0 16.4





#42

Toluene

Concen: 0.918 ug/L

RT: 10.386 min Scan# 1394

Delta R.T. -0.000 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Instrument :

MSVOA_W

ClientSampleId :

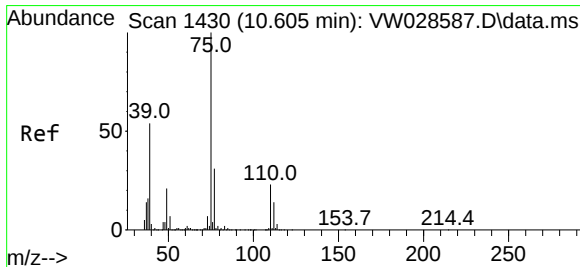
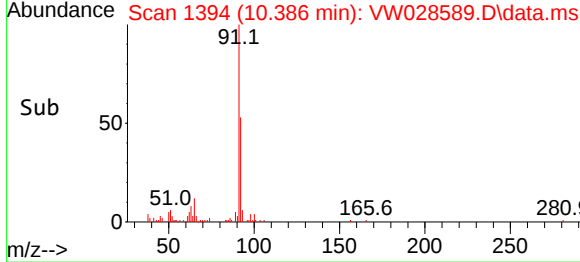
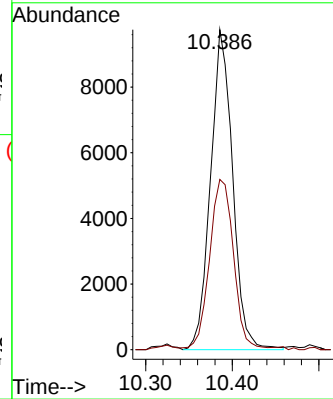
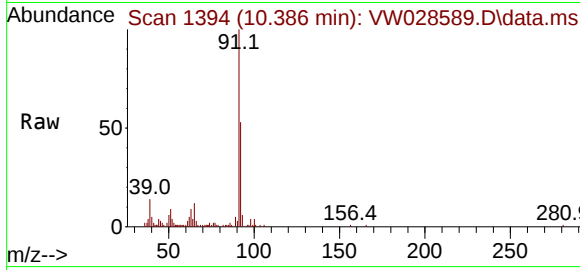
MDL-SOIL-QT2-2024-03

Tgt Ion: 91 Resp: 17280
Ion Ratio Lower Upper
91 100
92 53.2 42.5 78.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#44

trans-1,3-Dichloropropene

Concen: 0.863 ug/L m

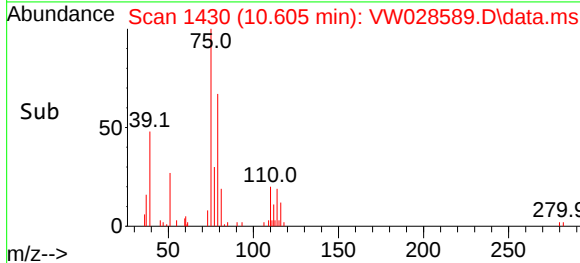
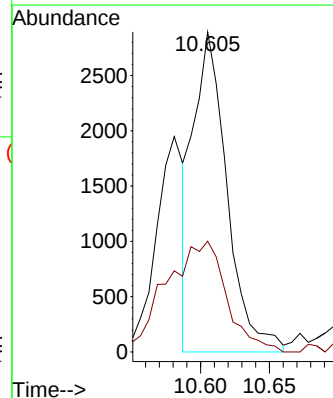
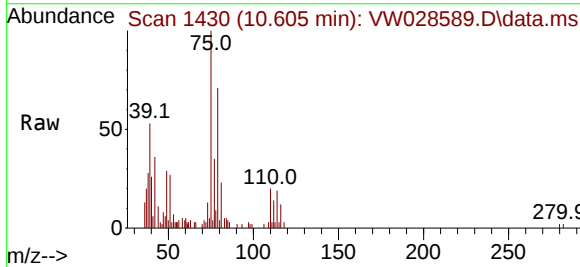
RT: 10.605 min Scan# 1430

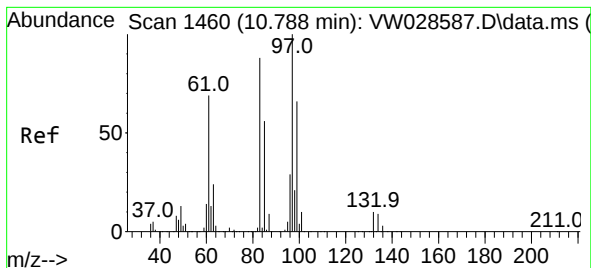
Delta R.T. -0.000 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

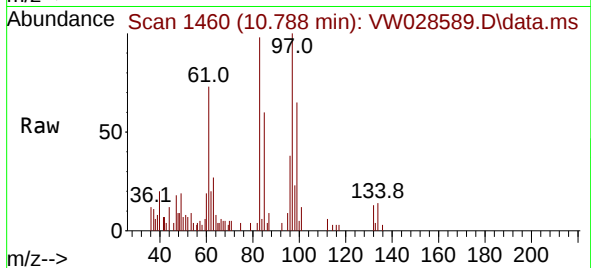
Tgt Ion: 75 Resp: 4954
Ion Ratio Lower Upper
75 100
77 34.6 22.5 41.9





#45
1,1,2-Trichloroethane
Concen: 0.922 ug/L
RT: 10.788 min Scan# 1460
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

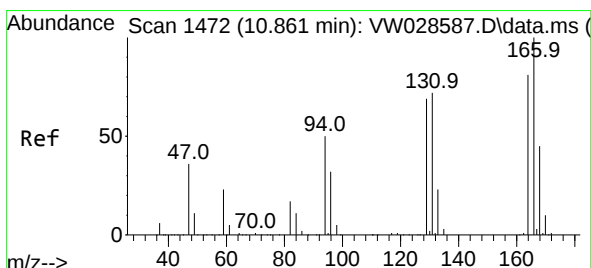
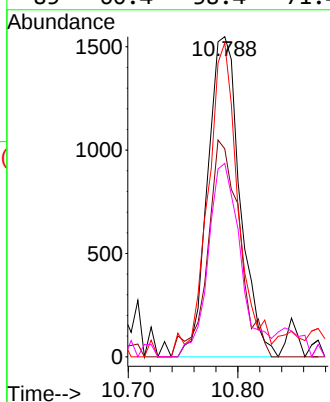
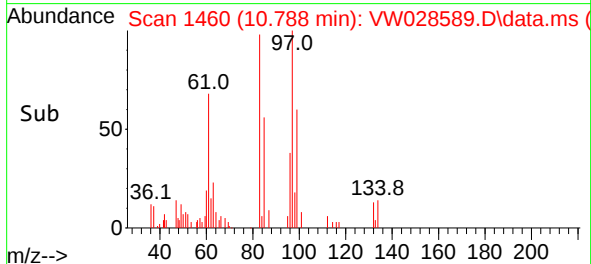
Instrument : MSVOA_W
ClientSampleId : MDL-SOIL-QT2-2024-03



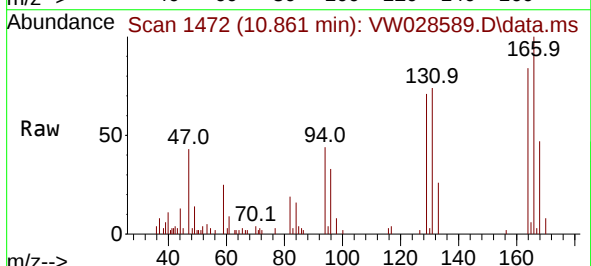
Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	41.9	77.9
83	98.1	62.1	115.3
85	60.4	38.4	71.4

Manual Integrations
APPROVED

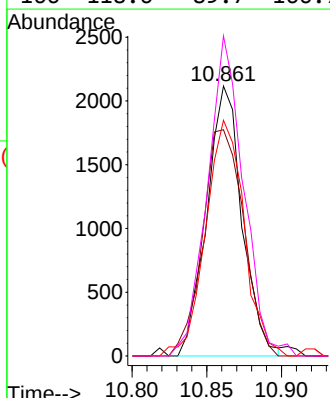
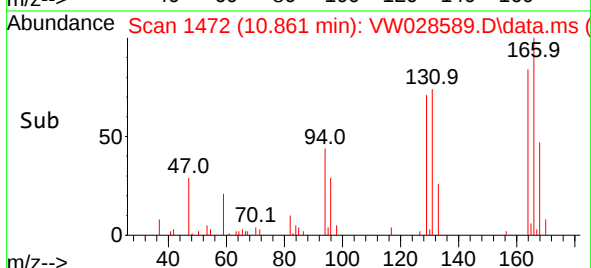
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024

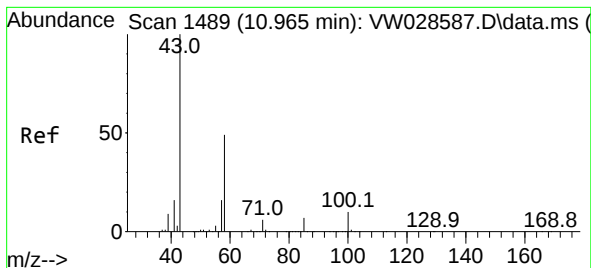


#46
Tetrachloroethene
Concen: 0.983 ug/L
RT: 10.861 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47



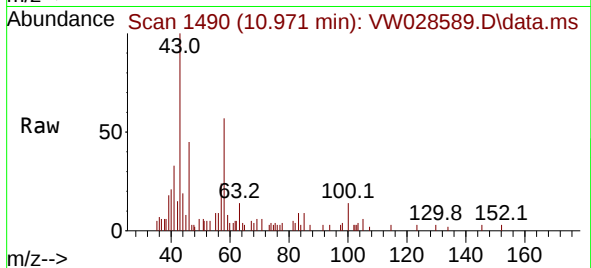
Tgt Ion	Ratio	Lower	Upper
164	100		
129	83.8	69.2	128.6
131	87.3	67.7	125.7
166	118.6	89.7	166.7





#48
2-Hexanone
Concen: 1.999 ug/L m
RT: 10.971 min Scan# 1489
Delta R.T. 0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

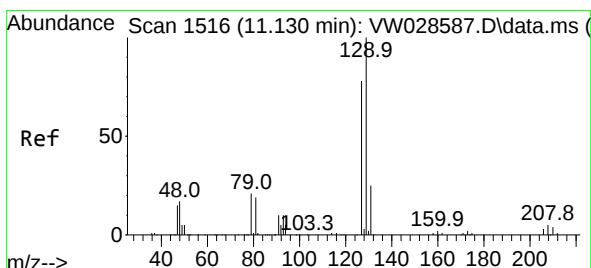
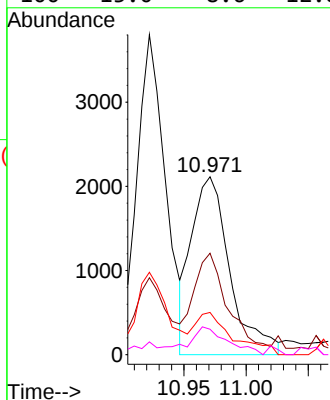
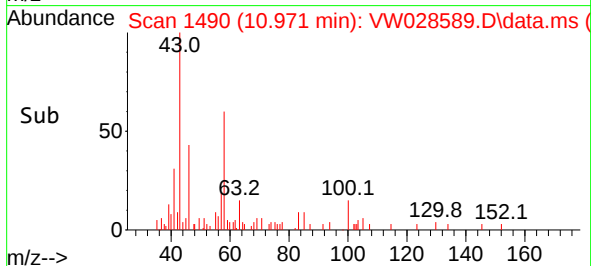
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 43 Resp: 456
Ion Ratio Lower Upper
43 100
58 52.8 41.0 61.4
57 10.4 14.8 22.2
100 13.0 8.6 12.8#

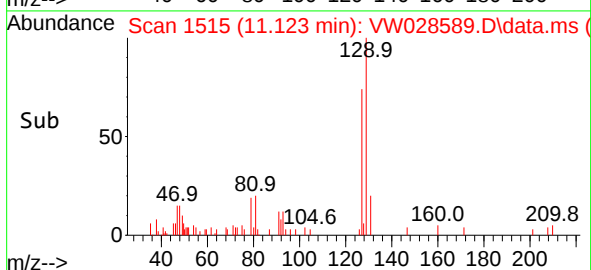
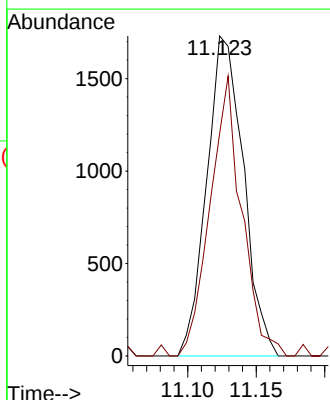
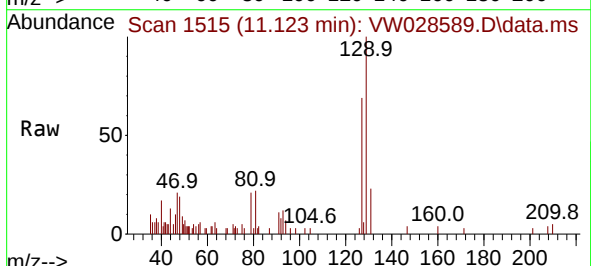
Manual Integrations
APPROVED

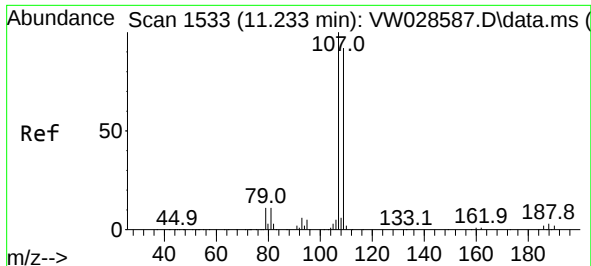
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#49
Dibromochloromethane
Concen: 0.934 ug/L
RT: 11.123 min Scan# 1515
Delta R.T. -0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Tgt Ion:129 Resp: 3226
Ion Ratio Lower Upper
129 100
127 69.5 54.3 100.8





#50

1,2-Dibromoethane

Concen: 0.902 ug/L

RT: 11.233 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Instrument :

MSVOA_W

ClientSampleId :

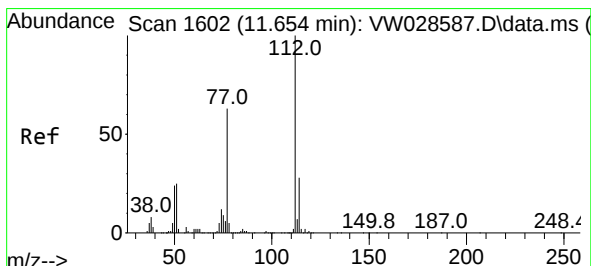
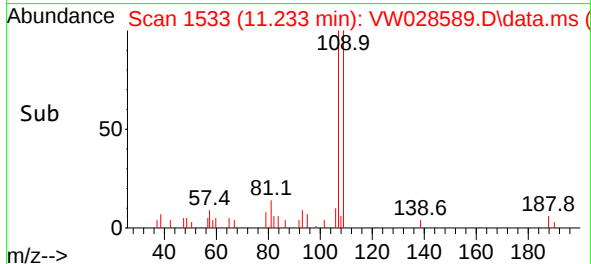
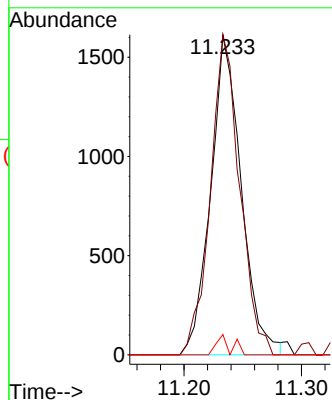
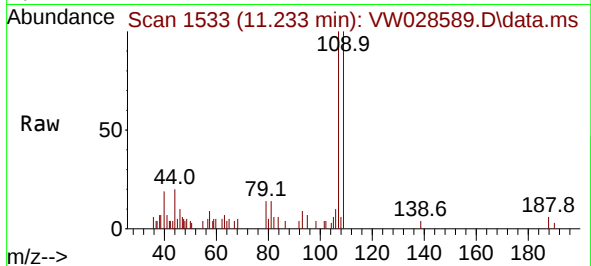
MDL-SOIL-QT2-2024-03

Tgt Ion:	107	Resp:	2909
Ion Ratio	Lower	Upper	
107	100		
109	100.3	64.2	119.2
188	6.3	3.1	4.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#51

Chlorobenzene

Concen: 0.937 ug/L

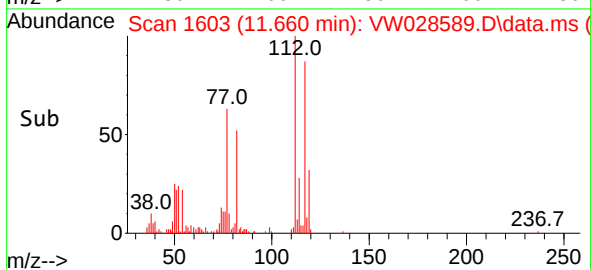
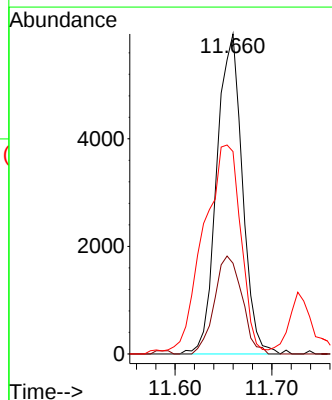
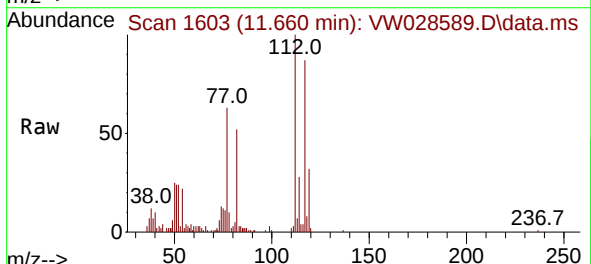
RT: 11.660 min Scan# 1603

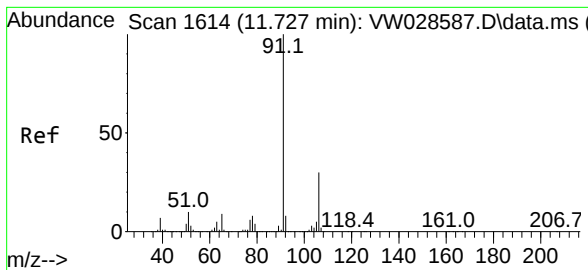
Delta R.T. 0.006 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

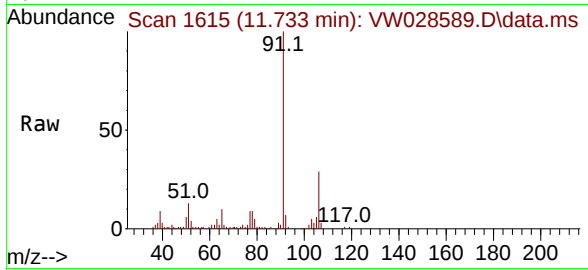
Tgt Ion:	112	Resp:	10913
Ion Ratio	Lower	Upper	
112	100		
114	28.4	22.2	41.2
77	63.3	50.8	76.2





#52
Ethylbenzene
Concen: 0.845 ug/L
RT: 11.733 min Scan# 1615
Delta R.T. 0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

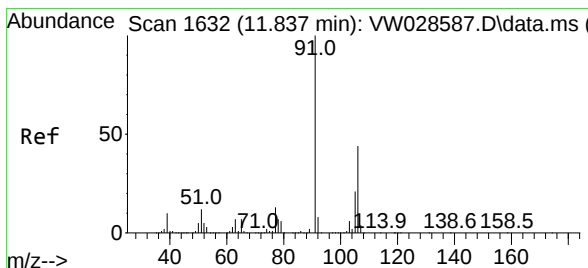
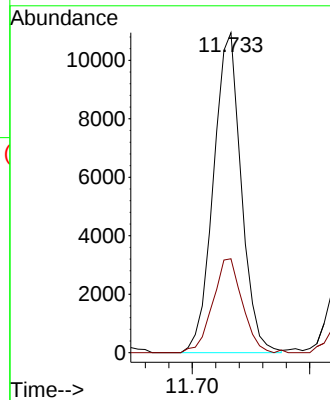
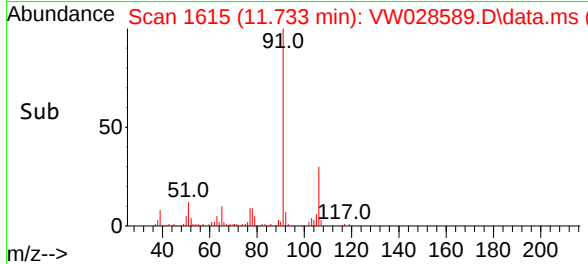
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 91 Resp: 1800
Ion Ratio Lower Upper
91 100
106 29.4 22.7 42.1

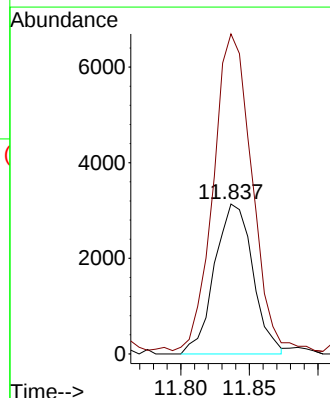
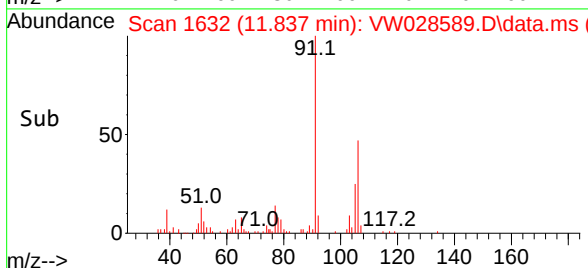
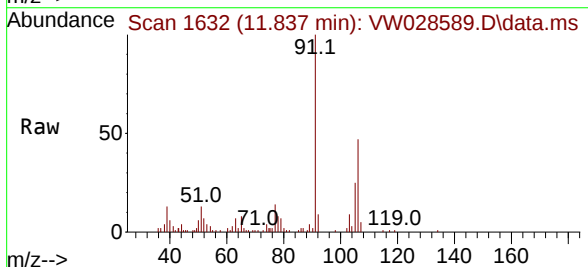
Manual Integrations
APPROVED

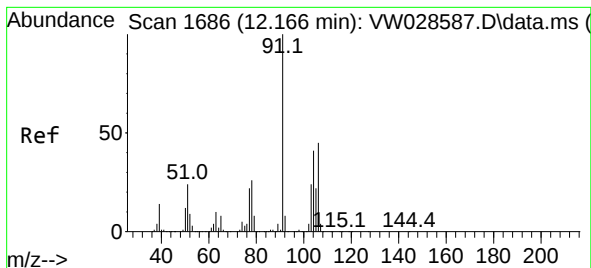
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#53
m,p-Xylene
Concen: 0.780 ug/L
RT: 11.837 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Tgt Ion:106 Resp: 6094
Ion Ratio Lower Upper
106 100
91 213.6 146.6 272.2





#54

o-Xylene

Concen: 0.766 ug/L

RT: 12.166 min Scan# 1

Delta R.T. -0.000 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT2-2024-03

Tgt Ion:106 Resp: 5538

Ion Ratio Lower Upper

106 100

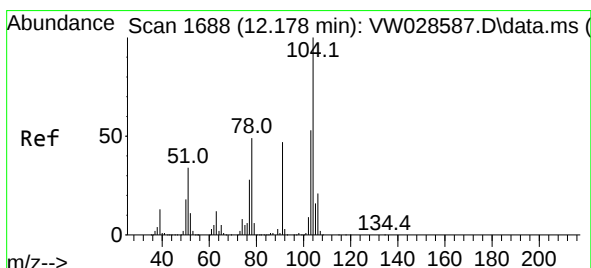
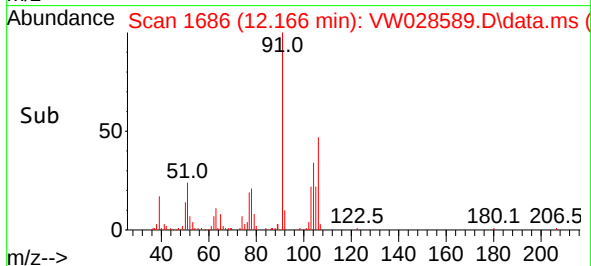
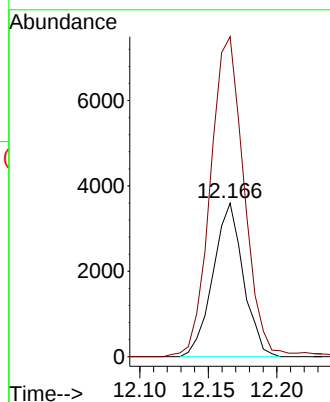
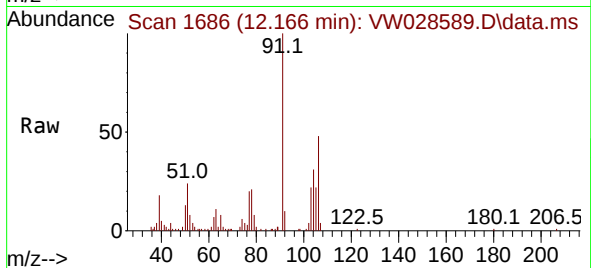
91 208.5 154.3 286.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024

Supervised By :Mahesh Dadoda 05/08/2024



#55

Styrene

Concen: 0.756 ug/L

RT: 12.178 min Scan# 1688

Delta R.T. -0.000 min

Lab File: VW028589.D

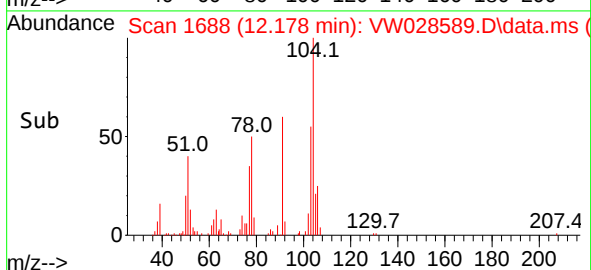
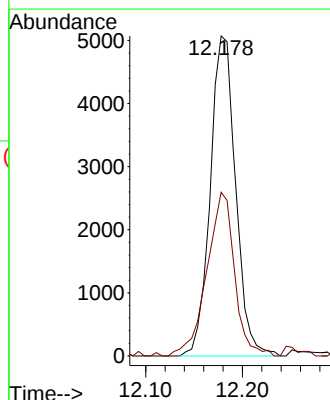
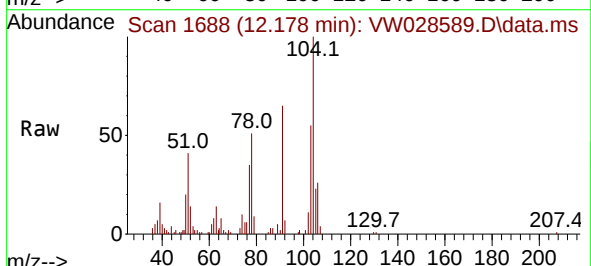
Acq: 07 May 2024 11:47

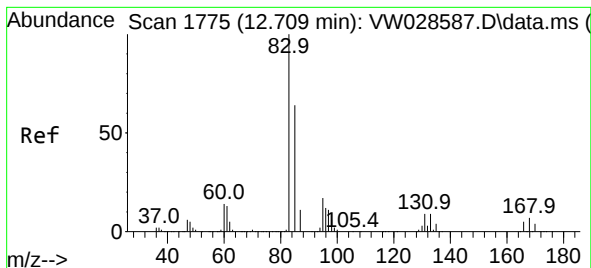
Tgt Ion:104 Resp: 9253

Ion Ratio Lower Upper

104 100

78 51.1 34.1 63.3





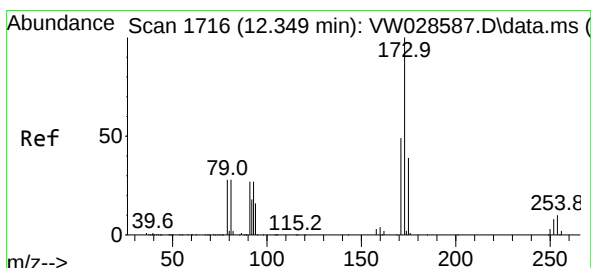
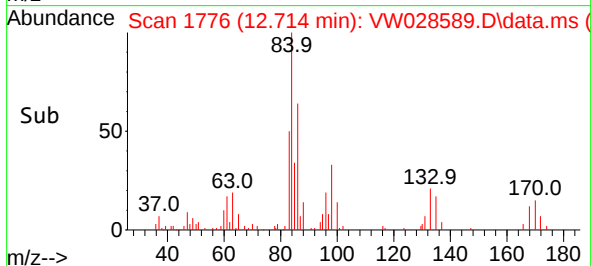
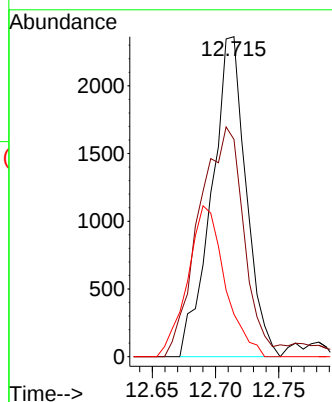
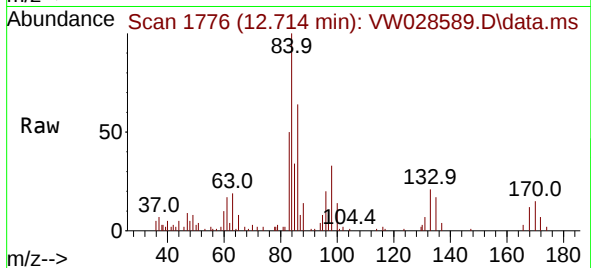
#57
1,1,2,2-Tetrachloroethane
Concen: 1.034 ug/L
RT: 12.714 min Scan# 1775
Delta R.T. 0.006 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03

Tgt Ion: 83 Resp: 446
Ion Ratio Lower Upper
83 100
85 67.9 45.6 84.6
131 13.2 7.3 10.9

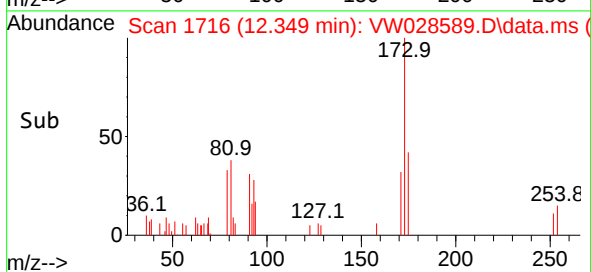
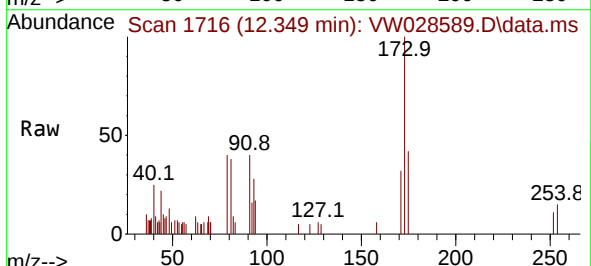
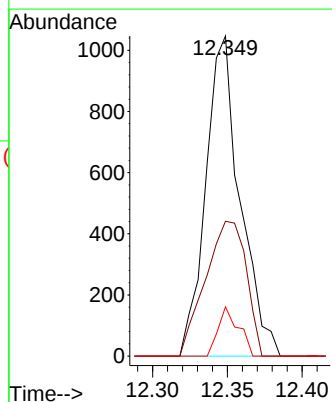
Manual Integrations
APPROVED

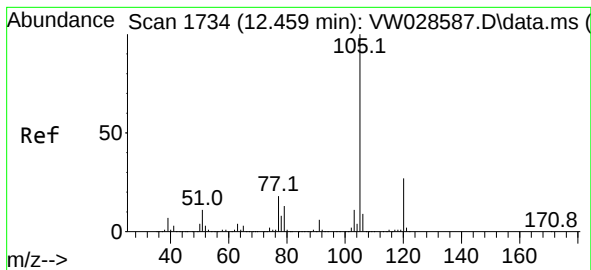
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#59
Bromoform
Concen: 0.853 ug/L
RT: 12.349 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

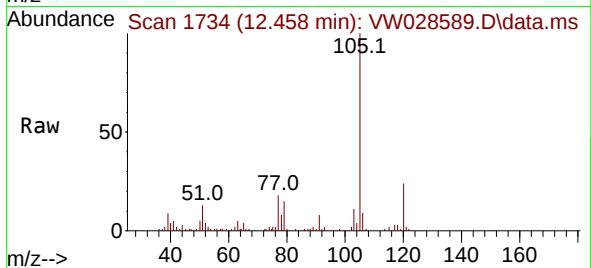
Tgt Ion:173 Resp: 1668
Ion Ratio Lower Upper
173 100
175 50.1 39.8 59.8
254 9.2 7.1 10.7





#60
Isopropylbenzene
Concen: 0.756 ug/L
RT: 12.458 min Scan# 1734
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

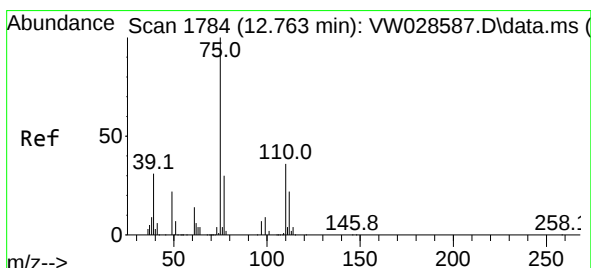
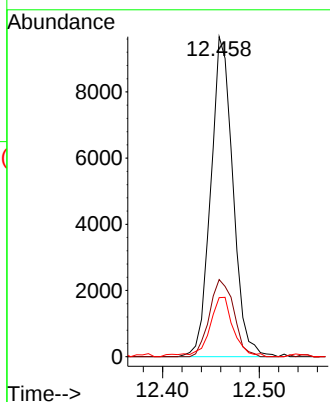
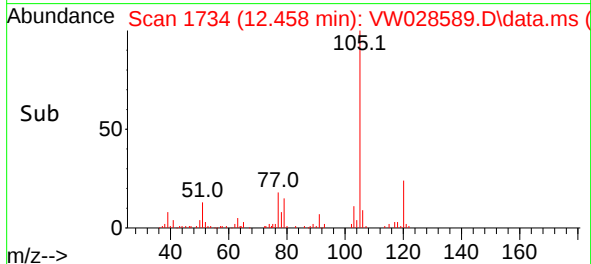
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion: 105 Resp: 1537
Ion Ratio Lower Upper
105 100
120 26.5 20.5 30.7
77 19.1 13.4 20.2

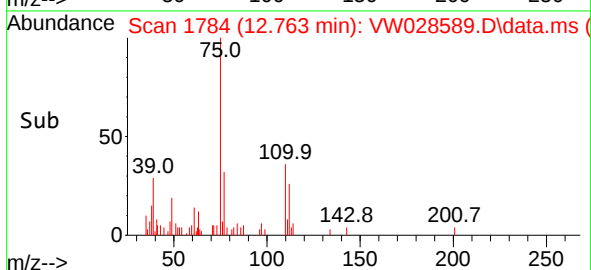
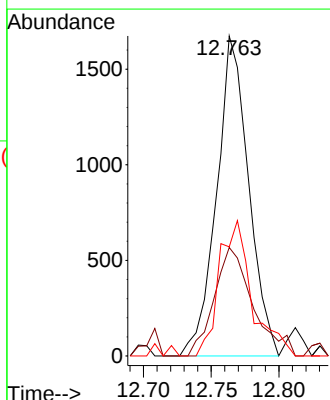
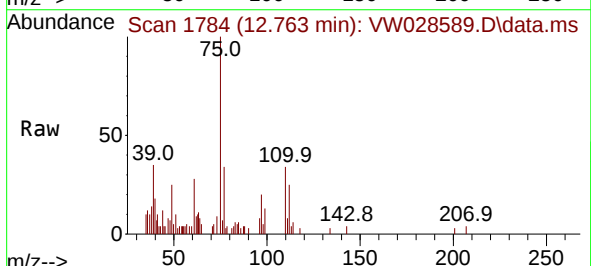
Manual Integrations
APPROVED

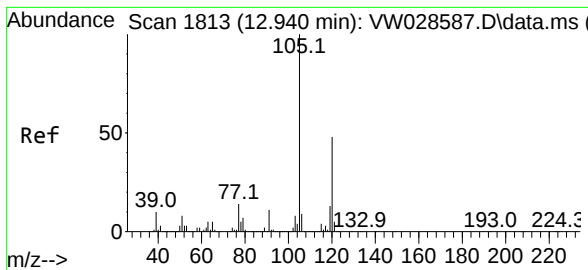
Reviewed By : Semsettin Yesilyurt 05/08/2024
Supervised By : Mahesh Dadoda 05/08/2024



#61
1,2,3-Trichloropropane
Concen: 0.850 ug/L m
RT: 12.763 min Scan# 1784
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

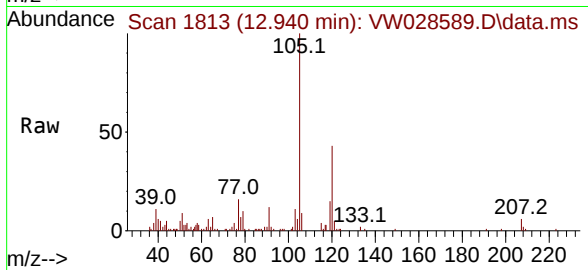
Tgt Ion: 75 Resp: 2755
Ion Ratio Lower Upper
75 100
77 4.4 25.9 38.9#
110 4.3 30.6 45.8#





#62
1,3,5-Trimethylbenzene
Concen: 0.738 ug/L m
RT: 12.940 min Scan# 1813
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

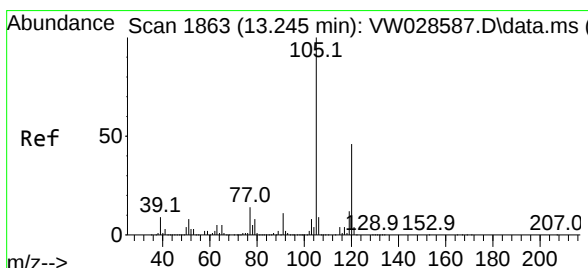
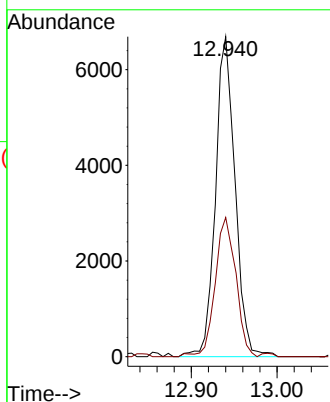
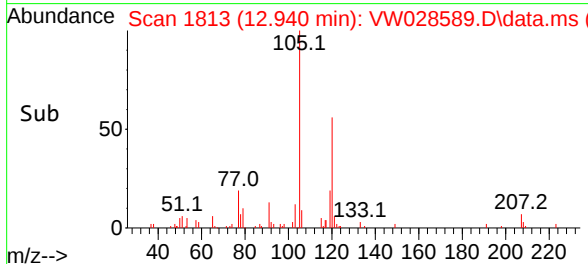
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



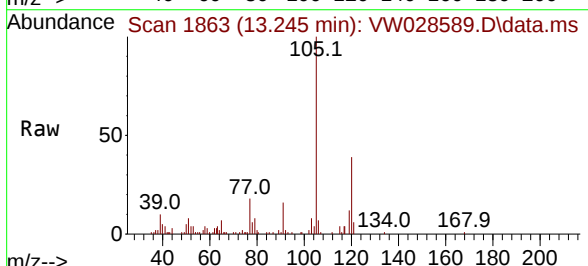
Tgt Ion:105 Resp: 1062
Ion Ratio Lower Upper
105 100
120 45.3 37.4 56.2

Manual Integrations
APPROVED

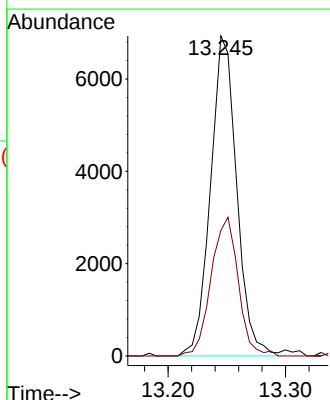
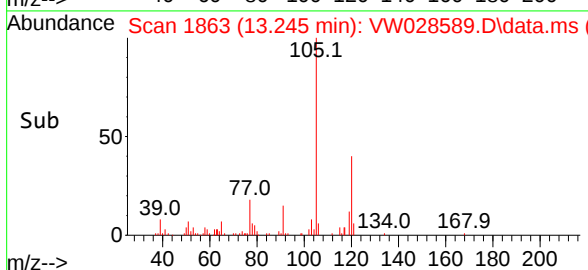
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024

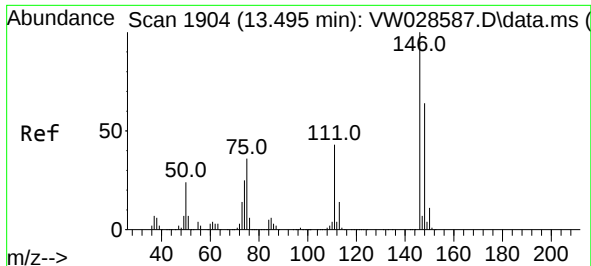


#63
1,2,4-Trimethylbenzene
Concen: 0.694 ug/L
RT: 13.245 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47



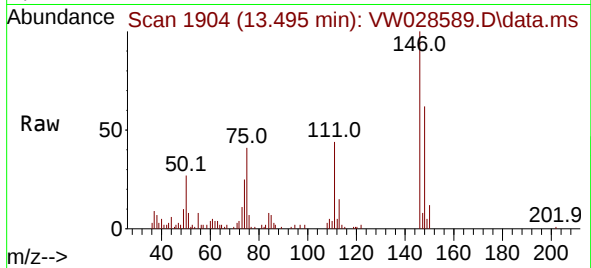
Tgt Ion:105 Resp: 10767
Ion Ratio Lower Upper
105 100
120 44.4 34.1 51.1





#64
1,3-Dichlorobenzene
Concen: 0.862 ug/L
RT: 13.495 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

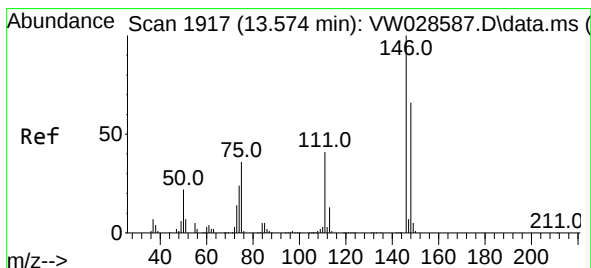
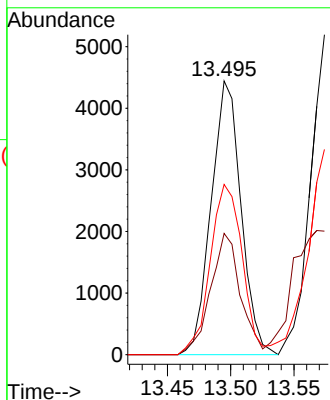
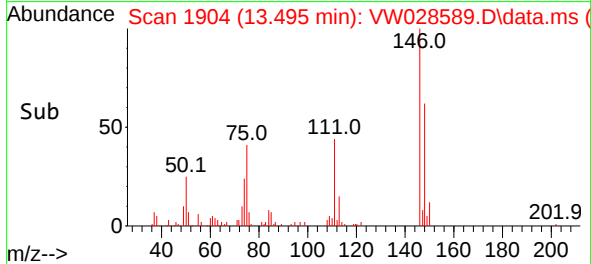
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



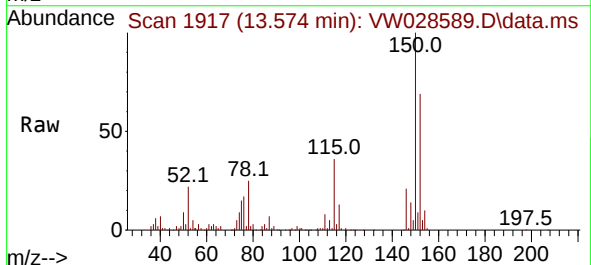
Tgt Ion:146 Resp: 7292
Ion Ratio Lower Upper
146 100
111 44.3 30.7 57.1
148 62.2 47.0 87.2

Manual Integrations
APPROVED

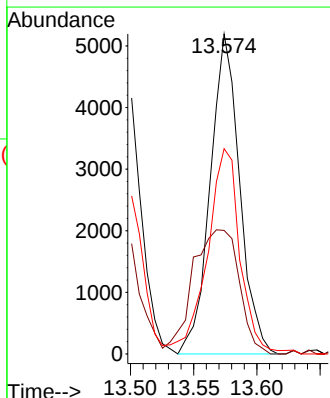
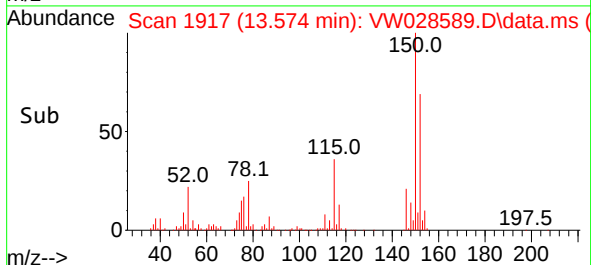
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024

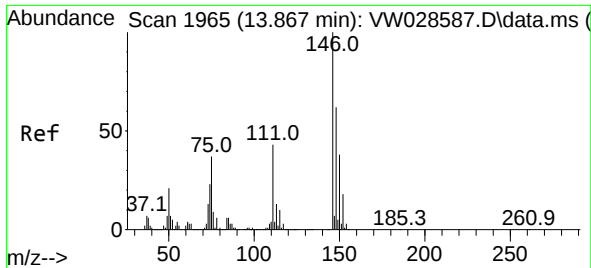


#65
1,4-Dichlorobenzene
Concen: 0.971 ug/L
RT: 13.574 min Scan# 1917
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47



Tgt Ion:146 Resp: 8397
Ion Ratio Lower Upper
146 100
111 38.6 29.1 54.1
148 64.2 41.2 76.6





#67

1,2-Dichlorobenzene

Concen: 1.007 ug/L

RT: 13.861 min Scan# 1965

Delta R.T. -0.006 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Instrument :

MSVOA_W

ClientSampleId :

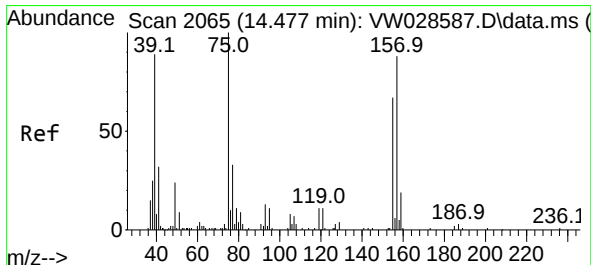
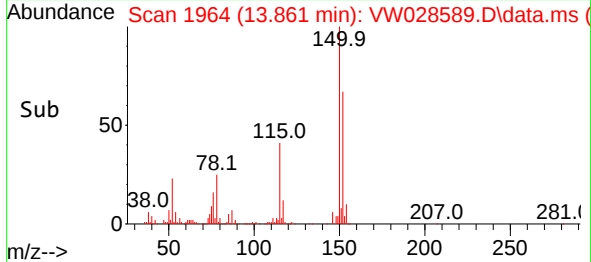
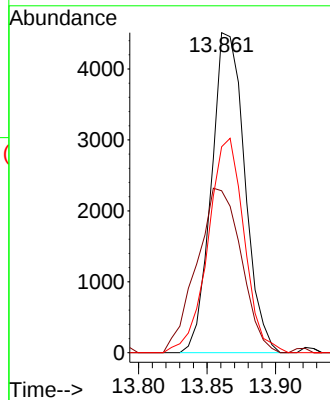
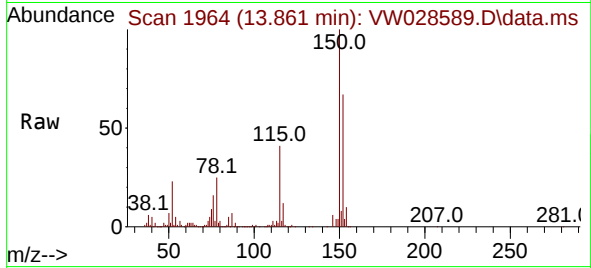
MDL-SOIL-QT2-2024-03

Tgt Ion:	146	Resp:	762
Ion Ratio	Lower	Upper	
146	100		
111	50.6	34.7	52.1
148	64.3	51.8	77.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 1.009 ug/L m

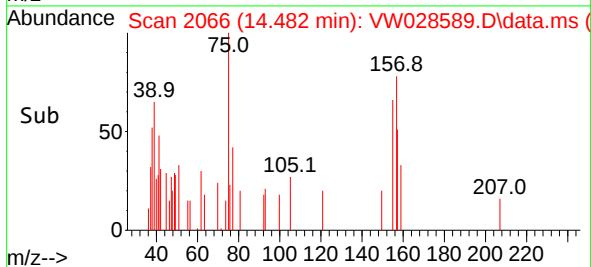
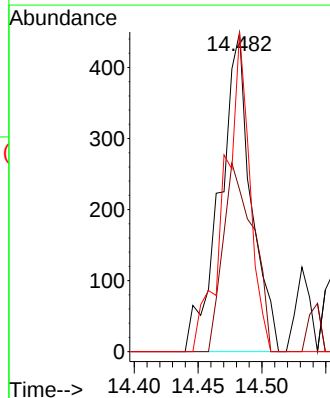
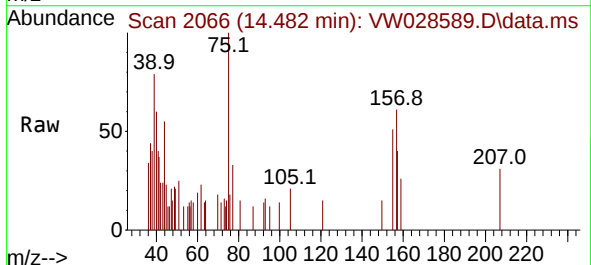
RT: 14.482 min Scan# 2066

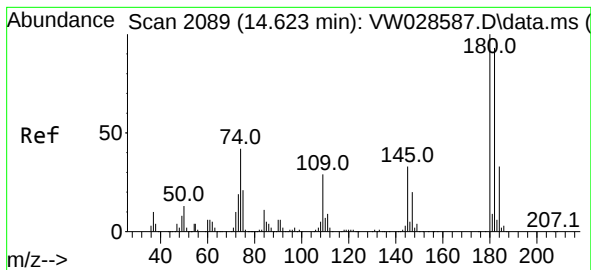
Delta R.T. 0.006 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

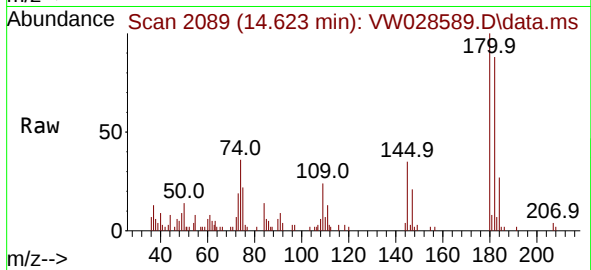
Tgt Ion:	75	Resp:	764
Ion Ratio	Lower	Upper	
75	100		
155	50.8	55.1	82.7#
157	60.6	68.6	102.8#





#69
1,3,5-Trichlorobenzene
Concen: 0.948 ug/L
RT: 14.623 min Scan# 2089
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

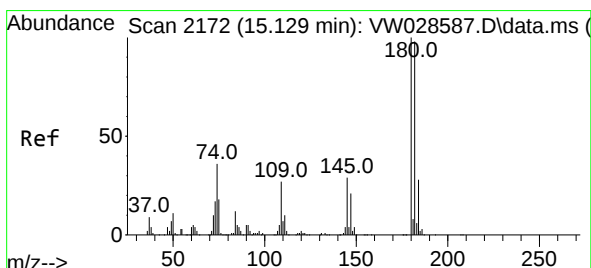
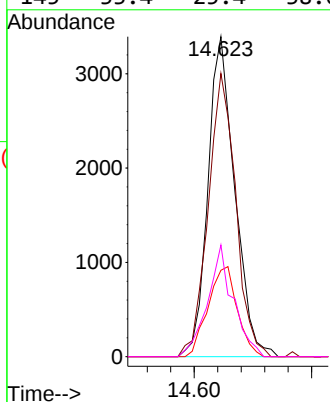
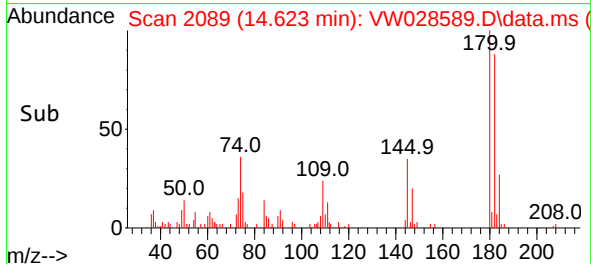
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT2-2024-03



Tgt Ion:180 Resp: 5384
Ion Ratio Lower Upper
180 100
182 90.7 75.4 113.2
184 30.7 24.0 36.0
145 33.4 25.4 38.0

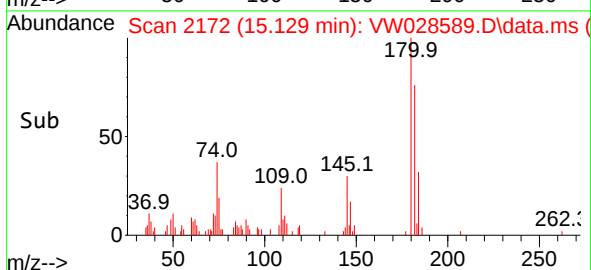
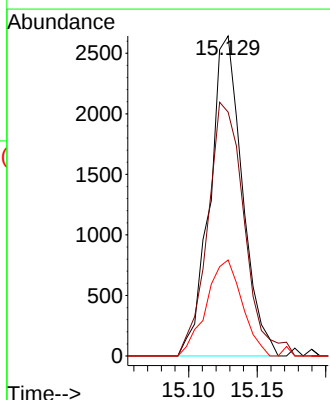
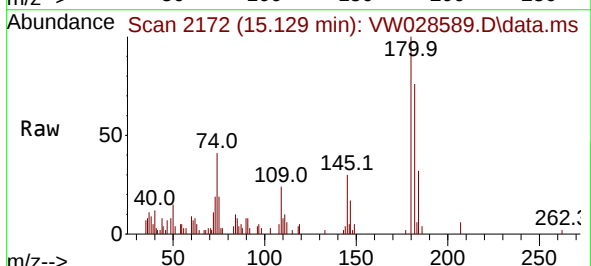
Manual Integrations
APPROVED

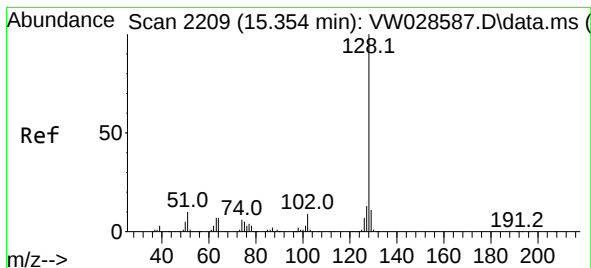
Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#70
1,2,4-trichlorobenzene
Concen: 0.953 ug/L
RT: 15.129 min Scan# 2172
Delta R.T. -0.000 min
Lab File: VW028589.D
Acq: 07 May 2024 11:47

Tgt Ion:180 Resp: 4370
Ion Ratio Lower Upper
180 100
182 87.6 77.2 115.8
145 33.0 26.6 39.8





#71

Naphthalene

Concen: 0.685 ug/L

RT: 15.360 min Scan# 2209

Delta R.T. 0.006 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Instrument :

MSVOA_W

ClientSampleId :

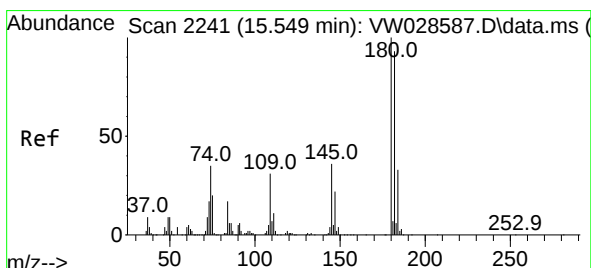
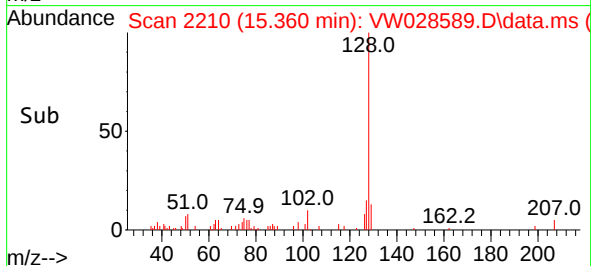
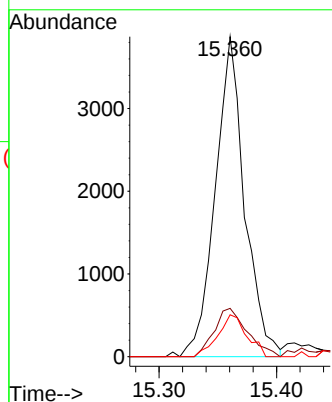
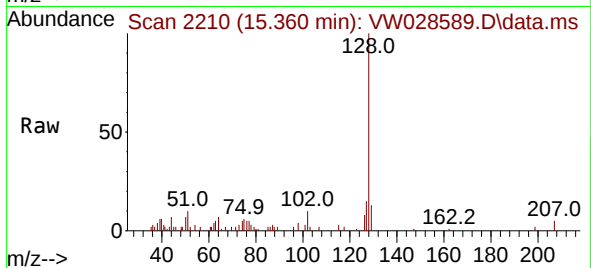
MDL-SOIL-QT2-2024-03

Tgt Ion:128	Resp:	669
Ion Ratio	Lower	Upper
128	100	
127	17.1	10.6 15.8
129	12.9	8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/08/2024
Supervised By :Mahesh Dadoda 05/08/2024



#72

1,2,3-Trichlorobenzene

Concen: 0.812 ug/L

RT: 15.555 min Scan# 2242

Delta R.T. 0.006 min

Lab File: VW028589.D

Acq: 07 May 2024 11:47

Tgt Ion:180	Resp:	3363
Ion Ratio	Lower	Upper
180	100	
182	96.2	76.1 114.1
145	37.6	28.3 42.5

