

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU051424\
 Data File : VU058887.D
 Acq On : 14 May 2024 15:19
 Operator : MD/SY
 Sample : P2409-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2024-03

Quant Time: May 15 01:28:43 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR051424WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed May 15 00:49:30 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
 Supervised By :Semsettin Yesilyurt 05/15/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	158743	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	160019	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	73144	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	44495	4.627	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.600%
7) Chloroethane-d5	1.911	69	42503	4.890	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.800%
11) 1,1-Dichloroethene-d2	2.563	65	17797	4.542	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.800%
20) 2-Butanone-d5	4.631	46	125841	50.336	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.680%
24) Chloroform-d	5.055	84	96359	4.962	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.200%
26) 1,2-Dichloroethane-d4	5.695	65	51900	5.201	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	104.000%
32) Benzene-d6	5.721	84	181762	4.948	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.000%
36) 1,2-Dichloropropane-d6	6.682	67	63191	5.163	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	103.200%
41) Toluene-d8	7.891	98	152402	4.559	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.177	79	20867	4.968	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	99.400%
46) 2-Hexanone-d5	8.627	63	102906	51.055	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.120%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	52582	4.975	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	99.400%
66) 1,2-Dichlorobenzene-d4	12.187	152	58859	5.351	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	2524	0.217	ug/L	93
3) Chloromethane	1.515	50	3287	0.243	ug/L	98
5) Vinyl chloride	1.602	62	3249	0.224	ug/L #	67
6) Bromomethane	1.856	94	1773	0.196	ug/L	77
8) Chloroethane	1.930	64	2384	0.259	ug/L	94
9) Trichlorofluoromethane	2.136	101	3868	0.208	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	2932	0.260	ug/L #	82
12) 1,1-Dichloroethene	2.576	96	2692	0.272	ug/L #	1
14) Carbon disulfide	2.789	76	7247	0.231	ug/L	98
15) Methyl Acetate	2.969	43	890m	0.207	ug/L	
16) Methylene chloride	3.039	84	10412	0.776	ug/L	99
17) Methyl tert-butyl Ether	3.367	73	4962m	0.193	ug/L	
18) trans-1,2-Dichloroethene	3.358	96	2084	0.200	ug/L	98
19) 1,1-Dichloroethane	3.862	63	4721	0.217	ug/L	90
22) cis-1,2-Dichloroethene	4.663	96	2886	0.241	ug/L	96
23) Bromochloromethane	4.978	128	1139	0.215	ug/L #	70
25) Chloroform	5.084	83	5708	0.251	ug/L	98
27) 1,2-Dichloroethane	5.798	62	3210	0.231	ug/L	98
30) Cyclohexane	5.383	56	3536	0.209	ug/L #	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.515	117	2947	0.197	ug/L	84
33) Benzene	5.772	78	10401	0.221	ug/L	100
35) Methylcyclohexane	6.756	83	3586	0.202	ug/L	97
37) 1,2-Dichloropropane	6.788	63	2834	0.212	ug/L #	90
38) Bromodichloromethane	7.103	83	3271	0.204	ug/L #	98
39) cis-1,3-Dichloropropene	7.608	75	4069	0.224	ug/L	95
40) 4-Methyl-2-pentanone	7.792	43	13536	1.961	ug/L #	88
42) Toluene	7.965	91	10387	0.212	ug/L	99
44) trans-1,3-Dichloropropene	8.213	75	3372	0.227	ug/L	99
45) 1,1,2-Trichloroethane	8.399	97	1869	0.199	ug/L #	84
49) Dibromochloromethane	8.804	129	2124	0.214	ug/L	86
50) 1,2-Dibromoethane	8.920	107	1750	0.211	ug/L #	92
51) Chlorobenzene	9.441	112	7202	0.230	ug/L	96
52) Ethylbenzene	9.566	91	10682	0.202	ug/L	86
53) m,p-Xylene	9.689	106	3728	0.192	ug/L	95
54) o-Xylene	10.097	106	3182	0.168	ug/L	71
55) Styrene	10.119	104	5298	0.166	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.779	83	2684	0.225	ug/L #	99
59) Bromoform	10.290	173	1005	0.188	ug/L #	88
60) Isopropylbenzene	10.480	105	9495	0.203	ug/L	98
61) 1,2,3-Trichloropropane	10.817	75	1814	0.241	ug/L #	93
62) 1,3,5-Trimethylbenzene	11.084	105	6767	0.181	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	6902	0.187	ug/L	96
64) 1,3-Dichlorobenzene	11.746	146	5459	0.240	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	5903	0.260	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	5046	0.237	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	240	0.158	ug/L #	81
69) 1,3,5-Trichlorobenzene	13.222	180	3838	0.225	ug/L	95
70) 1,2,4-trichlorobenzene	13.839	180	3237	0.230	ug/L	98
71) Naphthalene	14.097	128	4625m	0.218	ug/L	
72) 1,2,3-Trichlorobenzene	14.328	180	2903	0.235	ug/L #	81

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

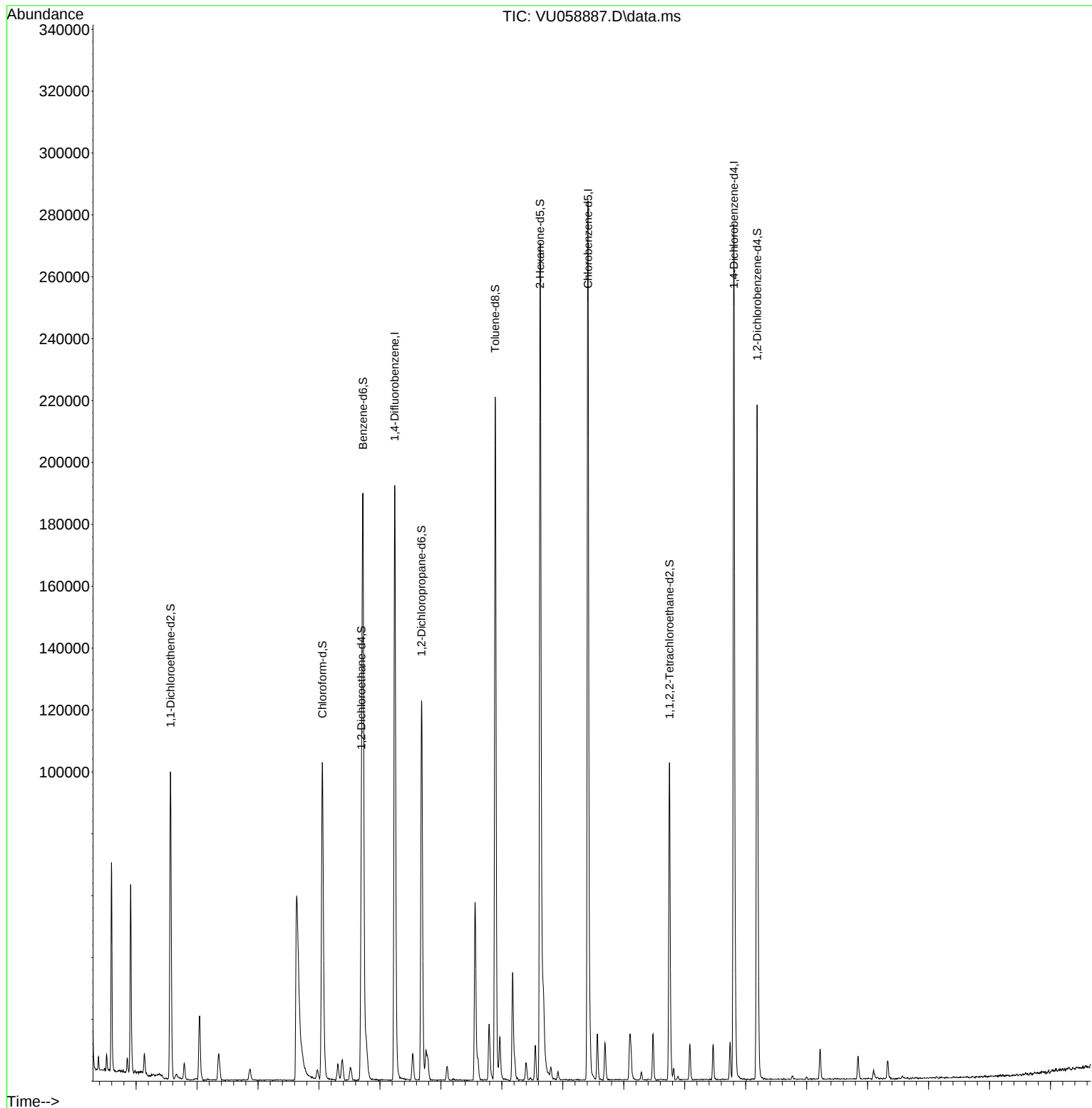
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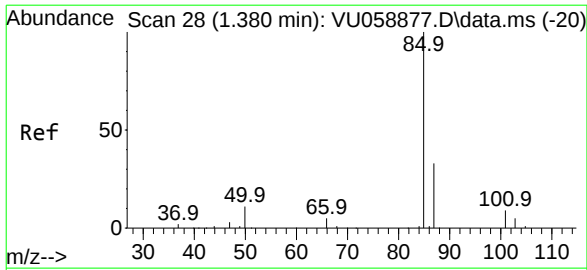
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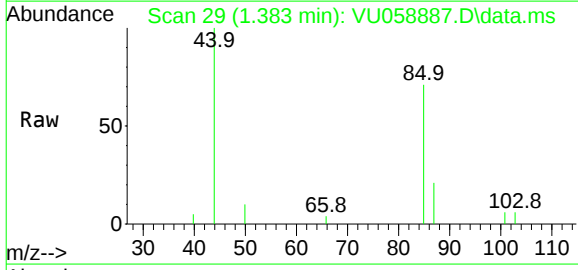
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024





#2
Dichlorodifluoromethane
Concen: 0.217 ug/L
RT: 1.383 min Scan# 29
Delta R.T. 0.003 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

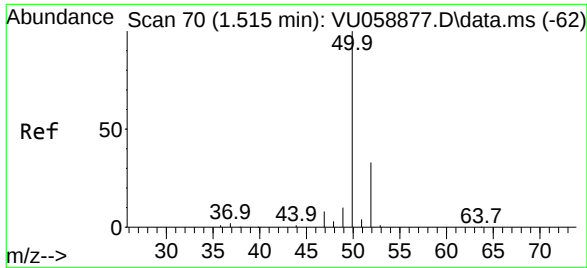
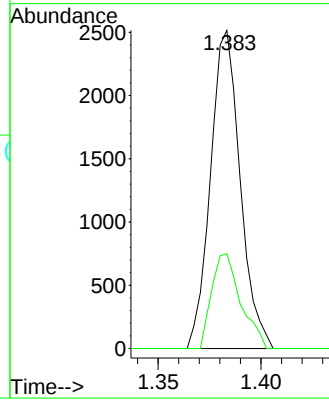
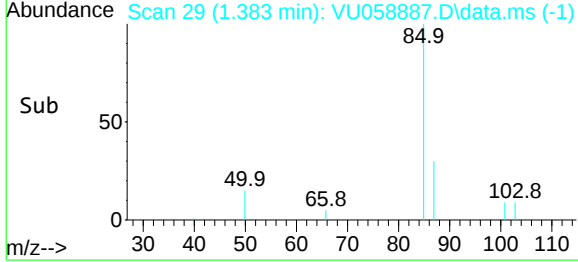
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 85 Resp: 2524
Ion Ratio Lower Upper
85 100
87 29.1 26.6 40.0

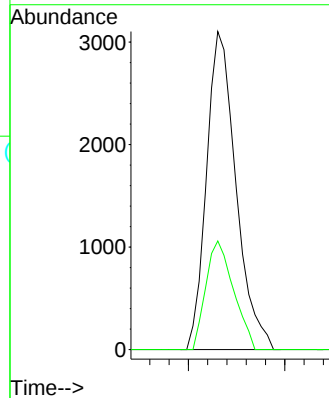
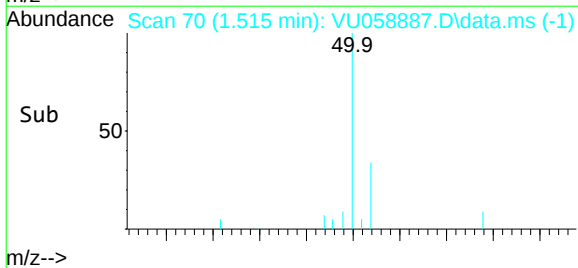
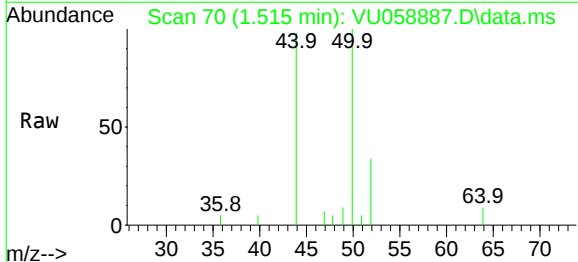
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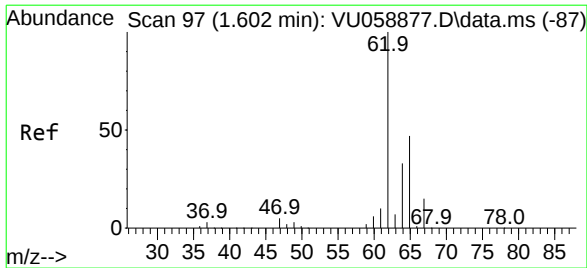
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#3
Chloromethane
Concen: 0.243 ug/L
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

Tgt Ion: 50 Resp: 3287
Ion Ratio Lower Upper
50 100
52 34.2 23.2 43.0





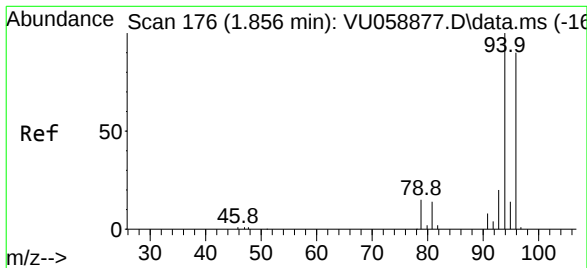
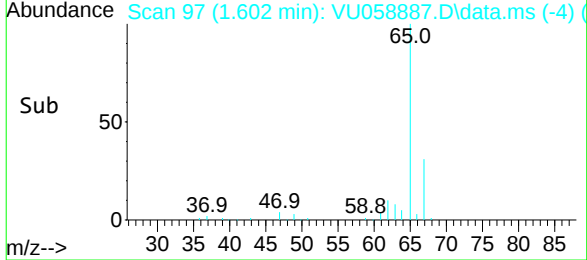
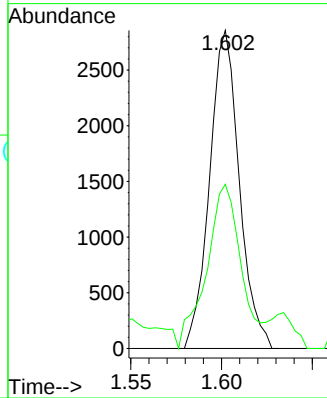
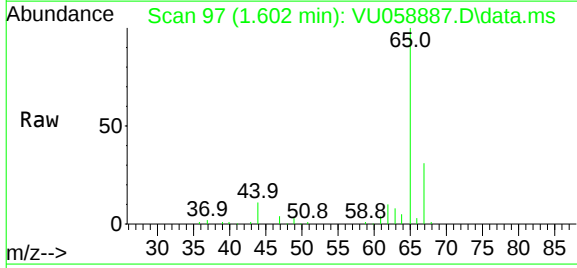
Vinyl chloride
Concen: 0.224 ug/L
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-03

Tgt Ion: 62 Resp: 3249
Ion Ratio Lower Upper
62 100
64 51.6 23.1 42.9#

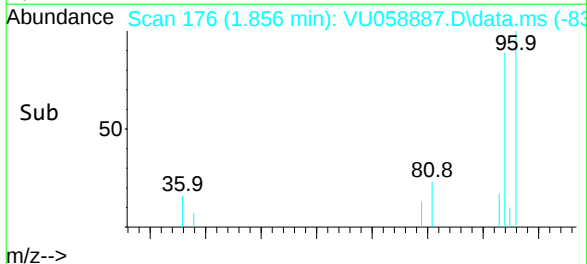
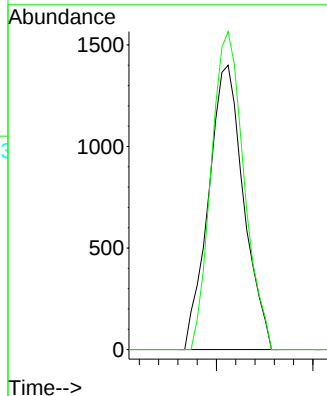
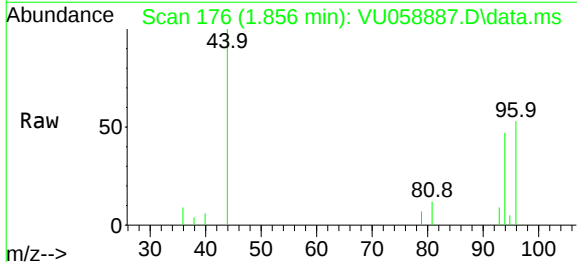
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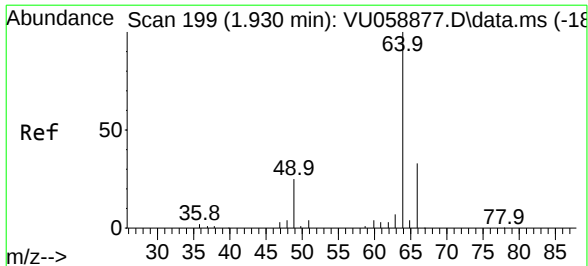
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



Bromomethane
Concen: 0.196 ug/L
RT: 1.856 min Scan# 176
Delta R.T. 0.000 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

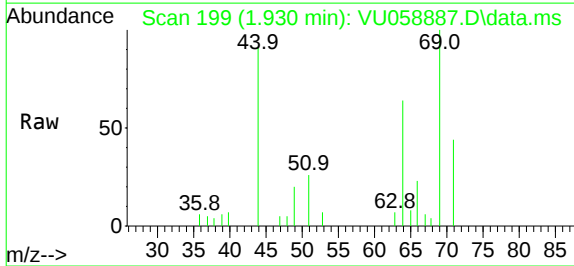
Tgt Ion: 94 Resp: 1773
Ion Ratio Lower Upper
94 100
96 111.9 62.9 116.9





#8
Chloroethane
Concen: 0.259 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

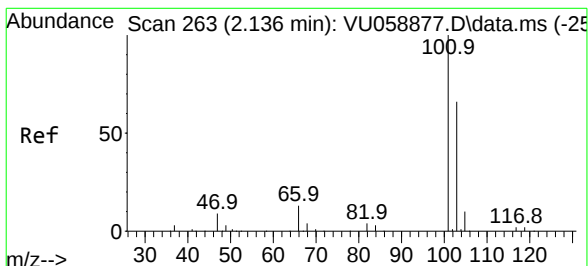
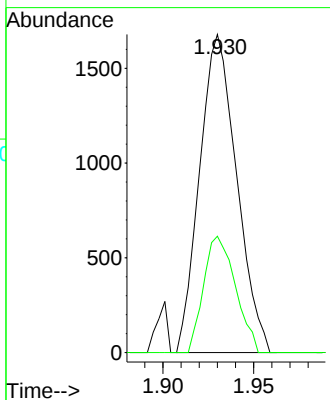
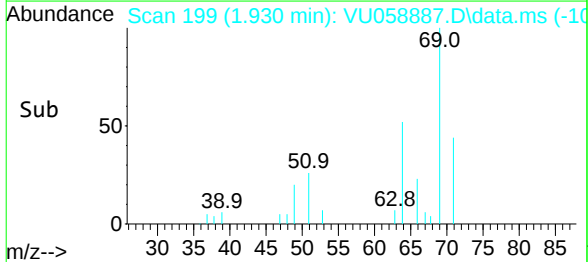
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion: 64 Resp: 2384
Ion Ratio Lower Upper
64 100
66 36.6 23.2 43.2

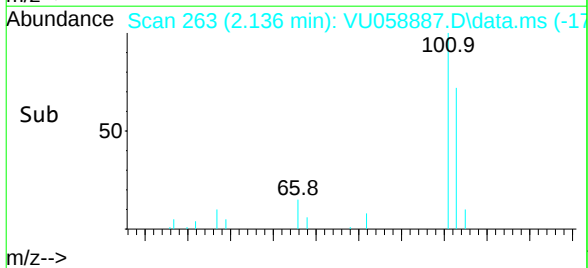
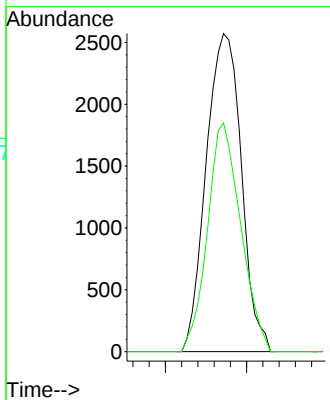
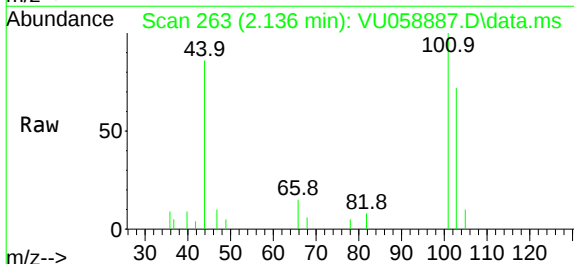
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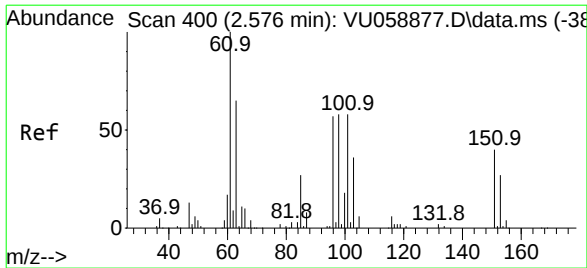
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#9
Trichlorofluoromethane
Concen: 0.208 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

Tgt Ion:101 Resp: 3868
Ion Ratio Lower Upper
101 100
103 68.1 52.6 79.0





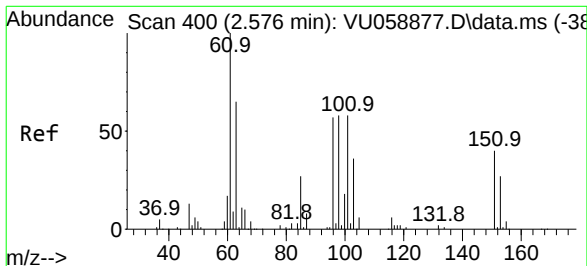
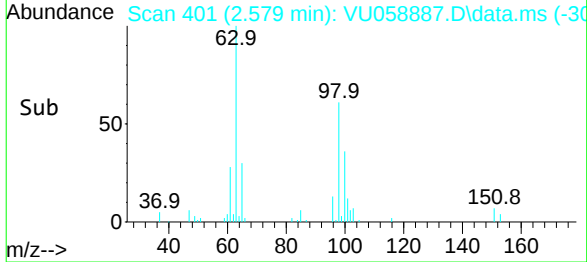
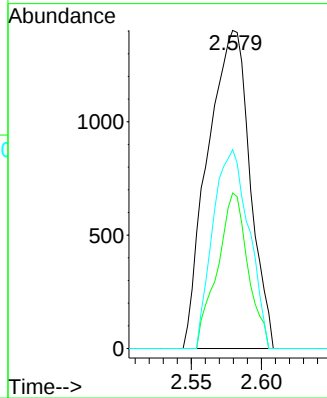
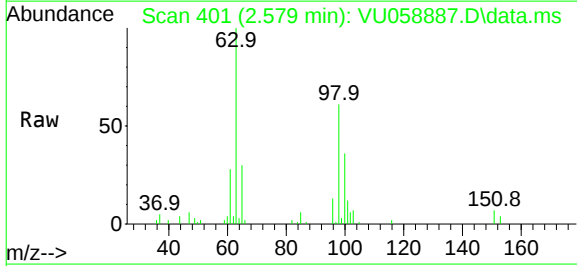
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.260 ug/L
RT: 2.579 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU058887.D
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MSVOA_U
ClientSampleId :
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Tgt Ion:	101	Resp:	2932
Ion	Ratio	Lower	Upper
101	100		
85	35.5	36.2	54.4#
151	53.2	55.5	83.3#

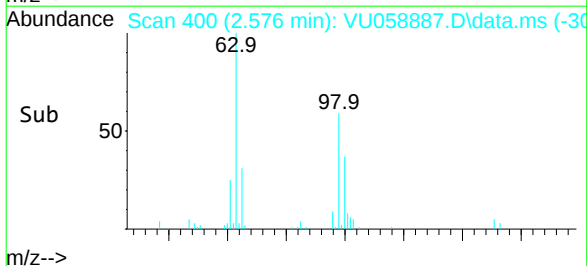
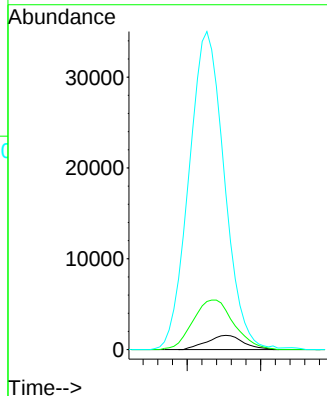
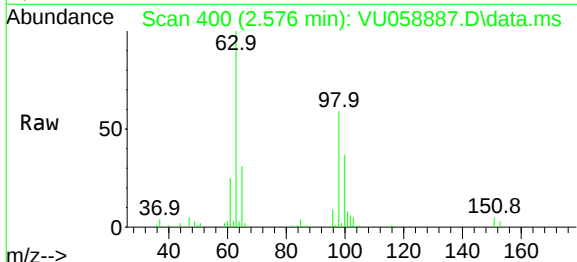
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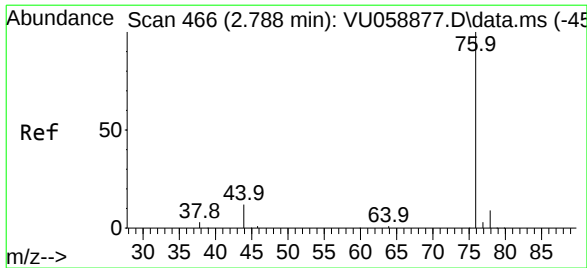
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#12
1,1-Dichloroethene
Concen: 0.272 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

Tgt Ion:	96	Resp:	2692
Ion	Ratio	Lower	Upper
96	100		
61	247.6	122.9	228.3#
63	986.4	80.4	149.4#





#14

Carbon disulfide

Concen: 0.231 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU058887.D

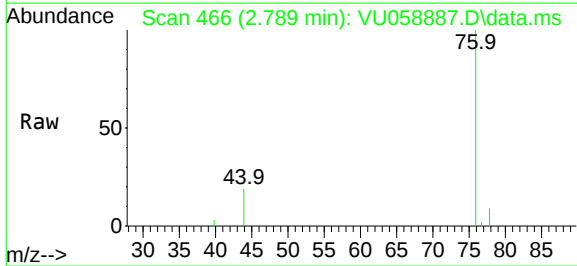
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Instrument :

MSVOA_U

ClientSampleId :

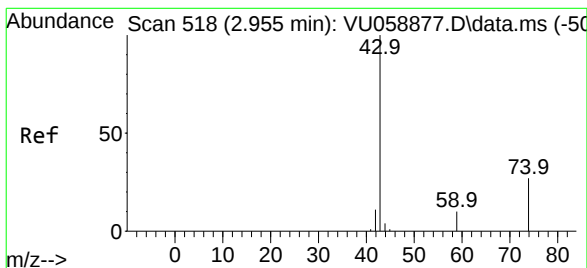
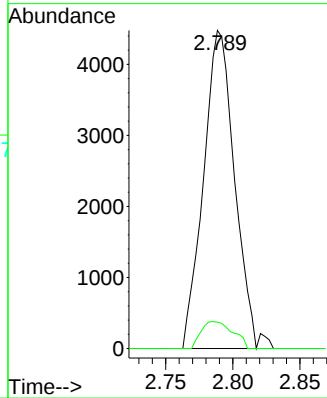
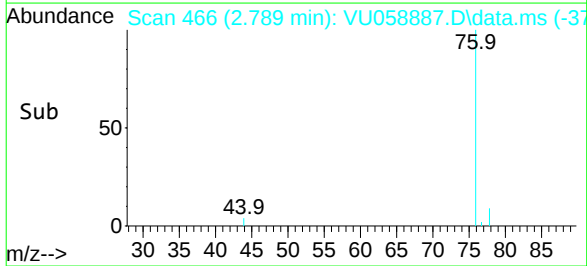
MDL-WATER-QT2-2024-03



Tgt Ion:	76	Resp:	7247
Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.3	10.9

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#15

Methyl Acetate

Concen: 0.207 ug/L m

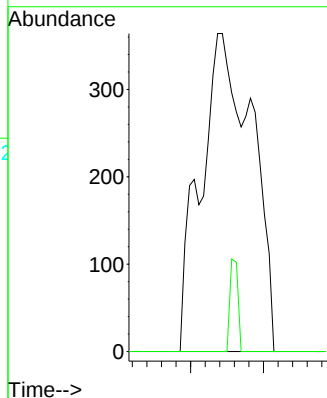
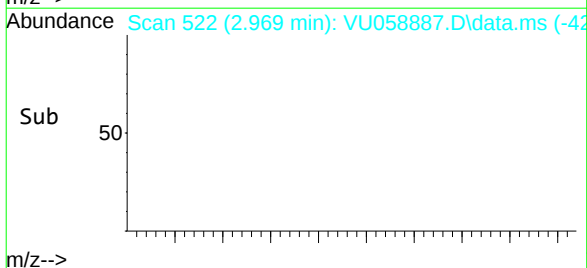
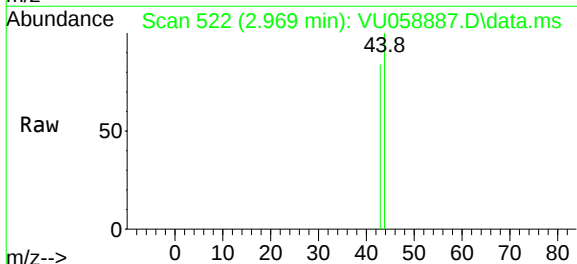
RT: 2.969 min Scan# 522

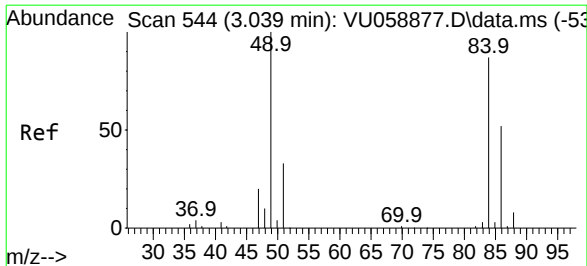
Delta R.T. 0.013 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Tgt Ion:	43	Resp:	890
Ion	Ratio	Lower	Upper
43	100		
74	0.0	19.2	28.8#





#16

Methylene chloride

Concen: 0.776 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.000 min

Lab File: VU058887.D

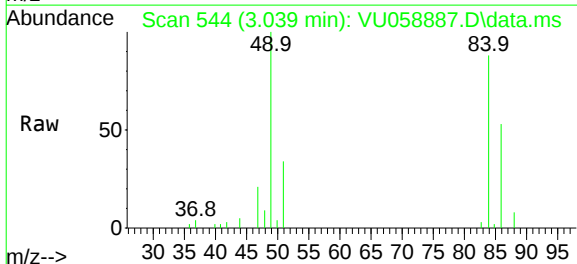
Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

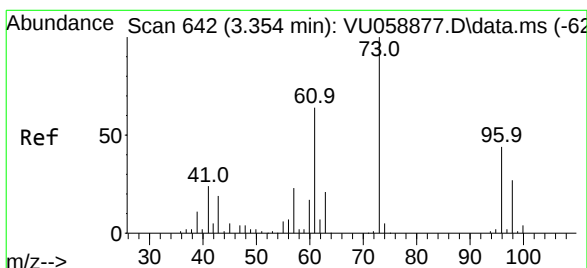
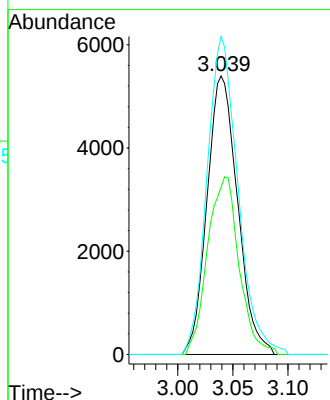
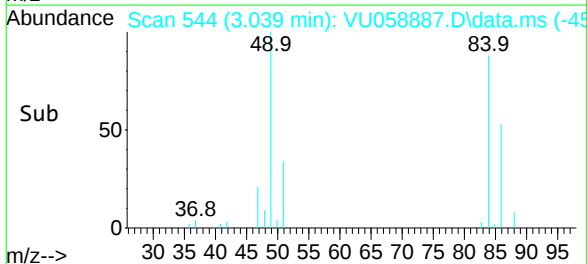
MDL-WATER-QT2-2024-03



Tgt Ion	Ratio	Lower	Upper
84	100		
86	60.1	42.1	78.1
49	114.2	80.6	149.8

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#17

Methyl tert-butyl Ether

Concen: 0.193 ug/L m

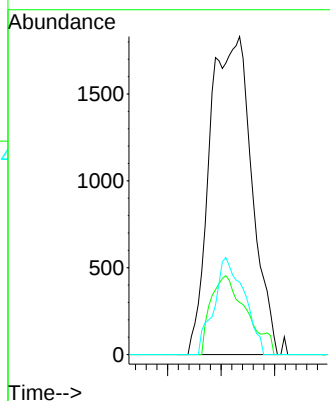
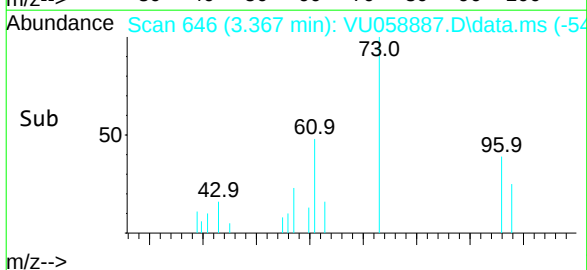
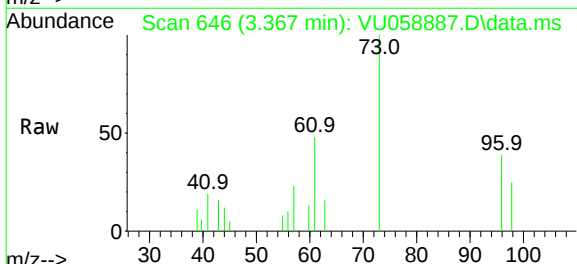
RT: 3.367 min Scan# 646

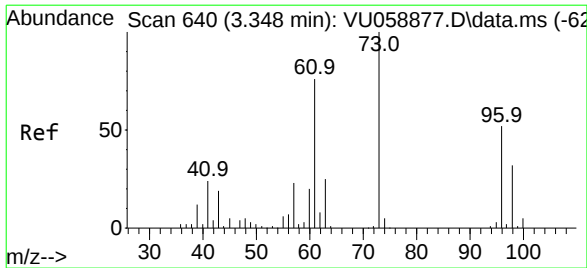
Delta R.T. 0.013 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

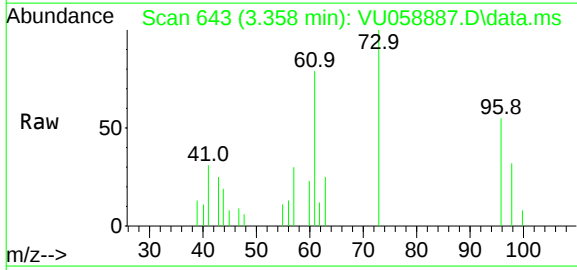
Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.1	14.9	22.3
57	22.1	18.0	27.0





#18
trans-1,2-Dichloroethene
Concen: 0.200 ug/L
RT: 3.358 min Scan# 640
Delta R.T. 0.010 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

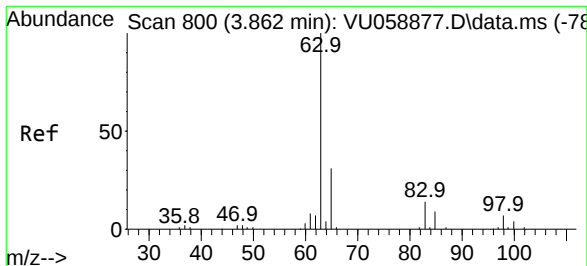
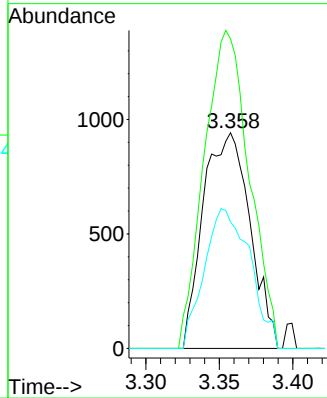
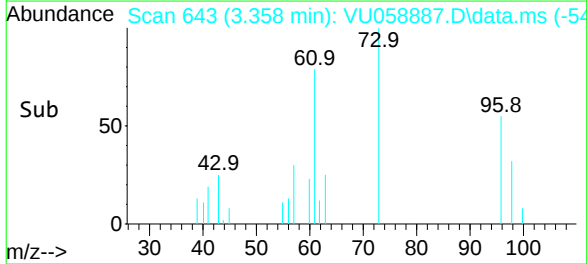
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion: 96 Resp: 2084
Ion Ratio Lower Upper
96 100
61 143.5 101.8 189.0
98 58.6 43.3 80.5

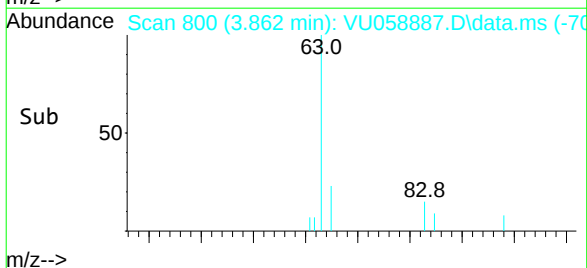
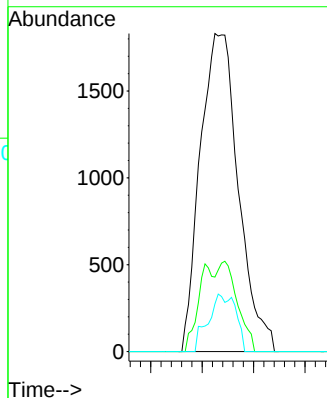
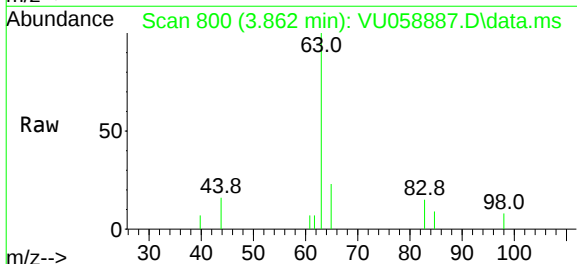
Manual Integrations
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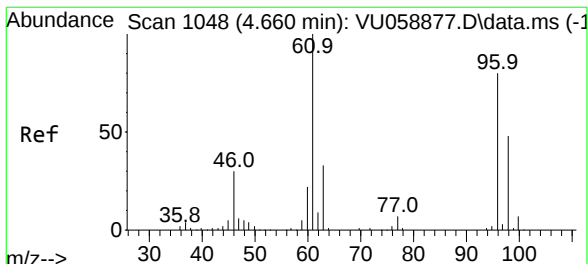
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#19
1,1-Dichloroethane
Concen: 0.217 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

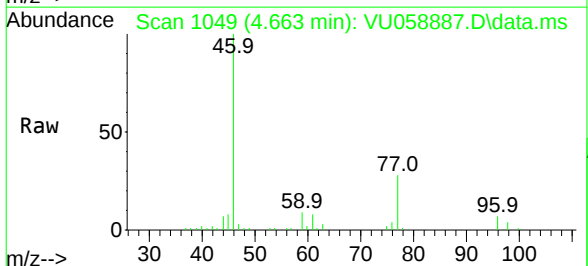
Tgt Ion: 63 Resp: 4721
Ion Ratio Lower Upper
63 100
65 23.4 21.8 40.6
83 15.0 9.9 18.5





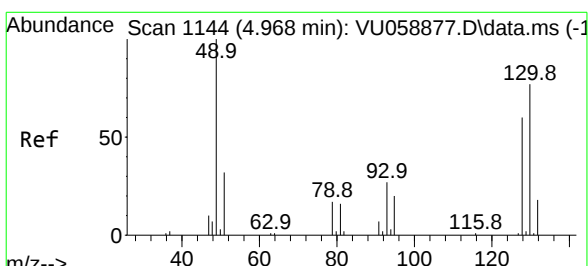
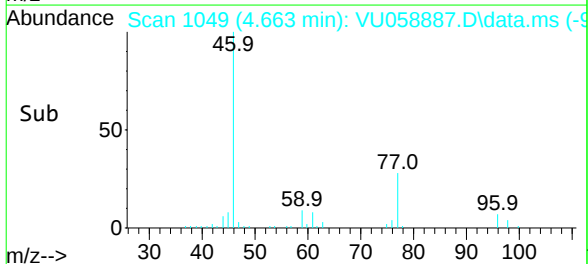
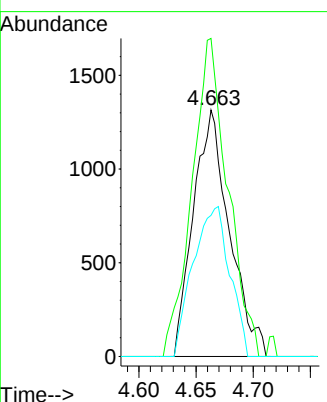
#22
 cis-1,2-Dichloroethene
 Concen: 0.241 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.003 min
 Lab File: VU058887.D
 Acq: 14 May 2024 15:19

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT2-2024-03



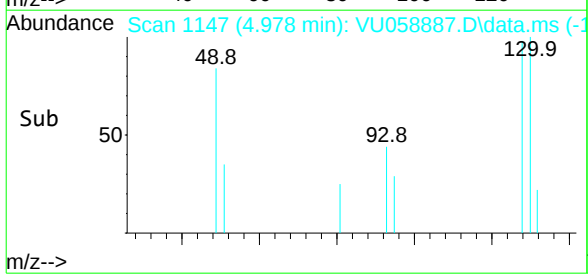
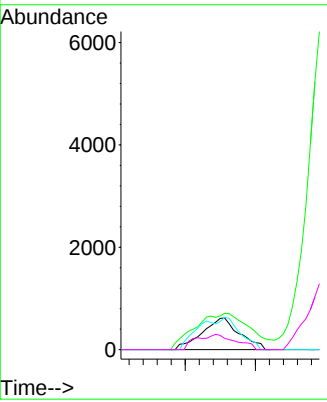
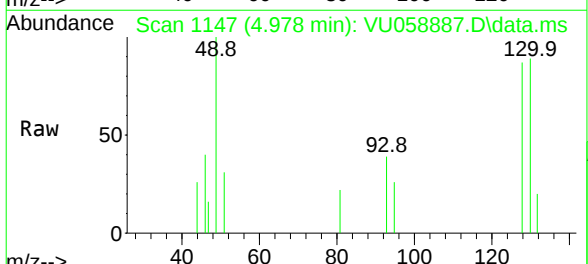
Tgt Ion:	96	Resp:	2886
Ion	Ratio	Lower	Upper
96	100		
61	129.0	87.4	162.2
98	57.3	42.3	78.5

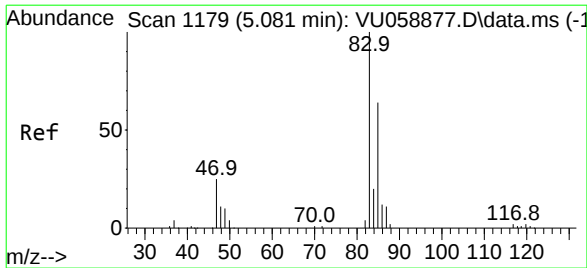
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 05/15/2024
 Supervised By :Semsettin Yesilyurt 05/15/2024



#23
 Bromochloromethane
 Concen: 0.215 ug/L
 RT: 4.978 min Scan# 1147
 Delta R.T. 0.010 min
 Lab File: VU058887.D
 Acq: 14 May 2024 15:19

Tgt Ion:	128	Resp:	1139
Ion	Ratio	Lower	Upper
128	100		
49	115.4	117.0	217.4#
130	102.4	89.6	166.4
51	35.7	42.0	63.0#





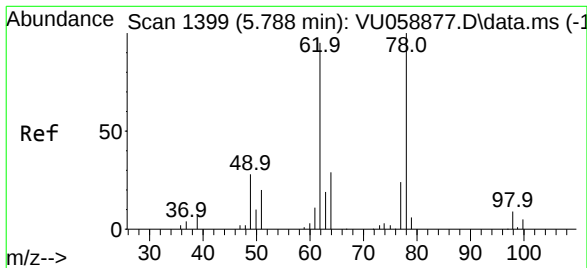
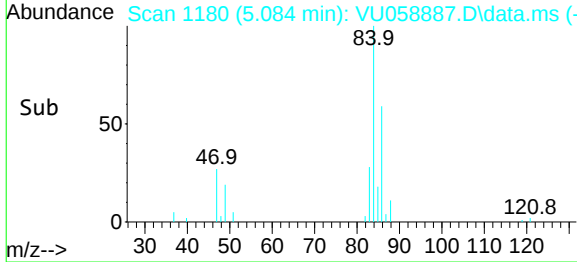
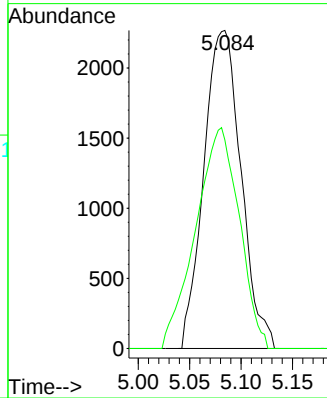
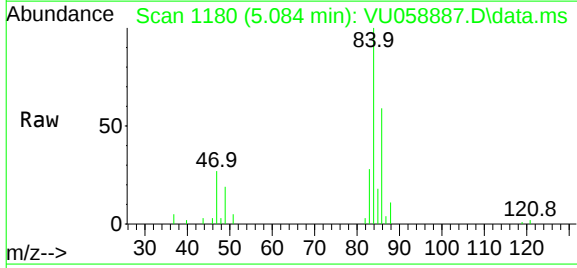
#25
Chloroform
Concen: 0.251 ug/L
RT: 5.084 min Scan# 1179
Delta R.T. 0.003 min
Lab File: VU05887.D
Acq: 14 May 2024 15:19

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03

Tgt Ion: 83 Resp: 5708
Ion Ratio Lower Upper
83 100
85 65.6 44.7 83.1

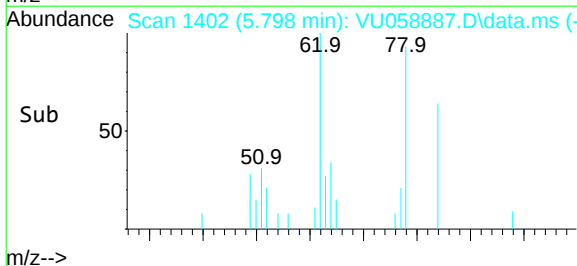
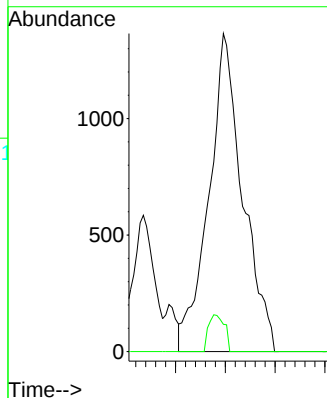
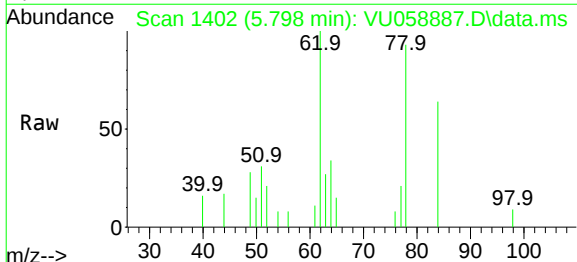
Manual Integrations
APPROVED

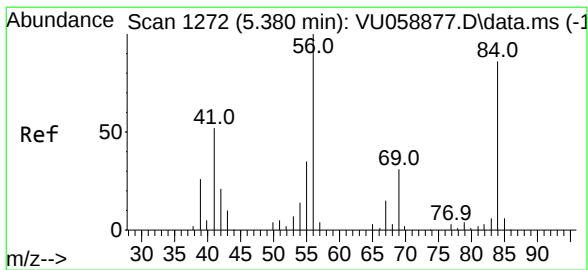
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#27
1,2-Dichloroethane
Concen: 0.231 ug/L
RT: 5.798 min Scan# 1402
Delta R.T. 0.010 min
Lab File: VU05887.D
Acq: 14 May 2024 15:19

Tgt Ion: 62 Resp: 3210
Ion Ratio Lower Upper
62 100
98 8.6 7.5 11.3





#30

Cyclohexane

Concen: 0.209 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.003 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

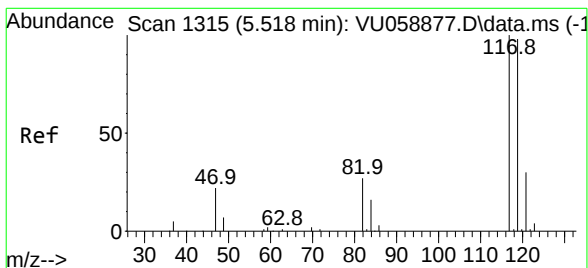
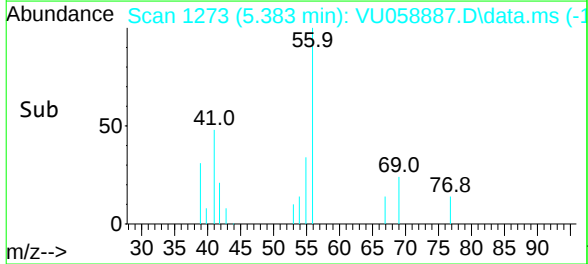
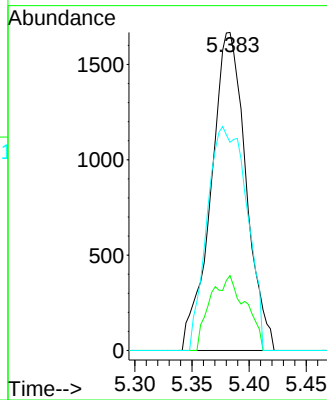
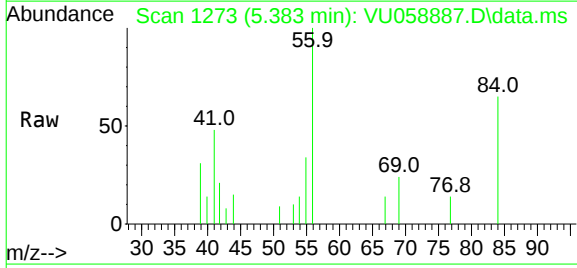
MDL-WATER-QT2-2024-03

Tgt Ion	56	Resp	3536
Ion	Ratio	Lower	Upper
56	100		
69	23.9	24.8	37.2
84	80.1	69.8	104.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#31

Carbon tetrachloride

Concen: 0.197 ug/L

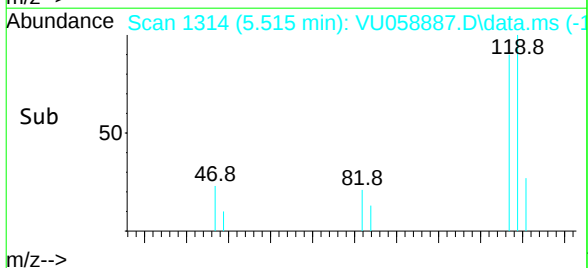
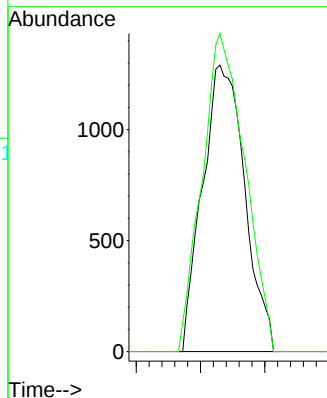
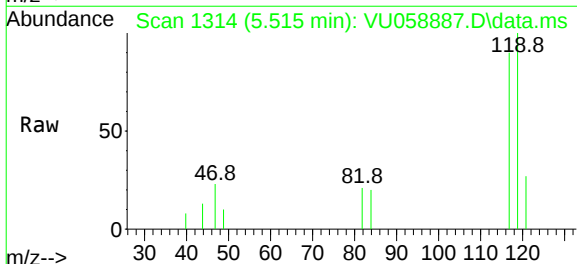
RT: 5.515 min Scan# 1314

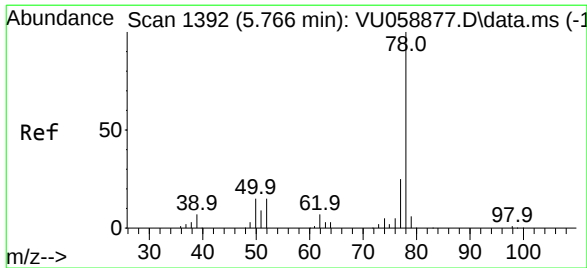
Delta R.T. -0.003 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Tgt Ion	117	Resp	2947
Ion	Ratio	Lower	Upper
117	100		
119	112.3	77.5	116.3





#33

Benzene

Concen: 0.221 ug/L

RT: 5.772 min Scan# 13

Delta R.T. 0.007 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2024-03

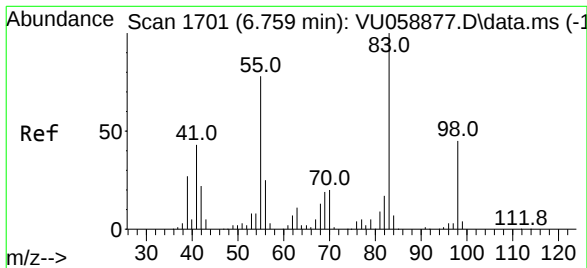
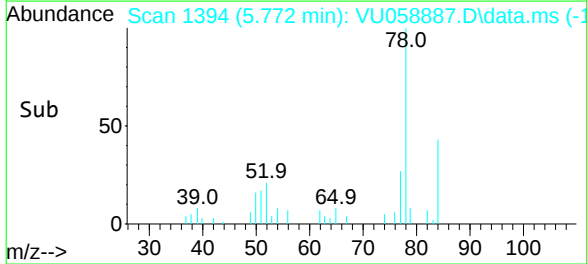
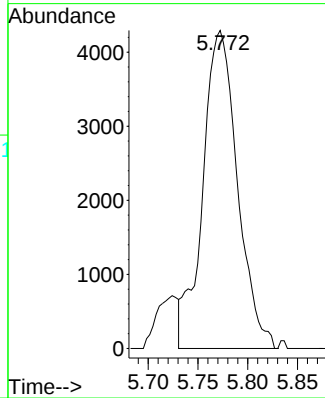
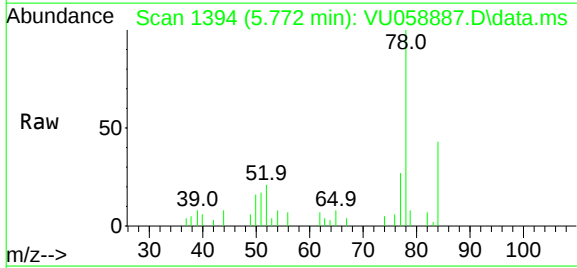
Tgt Ion: 78 Resp: 10401

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024

Supervised By :Semsettin Yesilyurt 05/15/2024



#35

Methylcyclohexane

Concen: 0.202 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.003 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

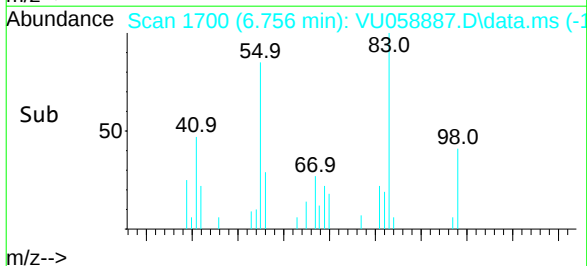
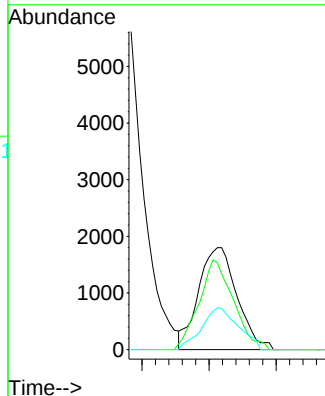
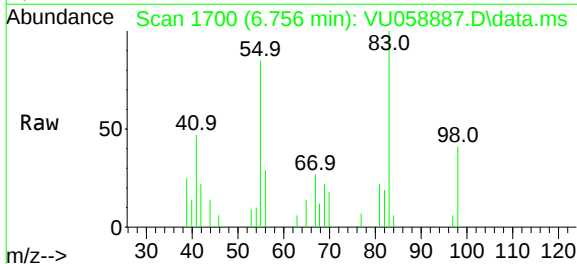
Tgt Ion: 83 Resp: 3586

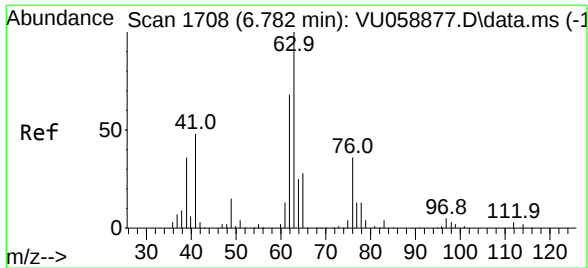
Ion Ratio Lower Upper

83 100

55 78.8 62.7 94.1

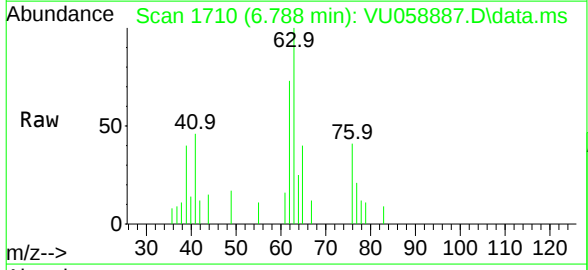
98 39.0 35.4 53.0





#37
1,2-Dichloropropane
Concen: 0.212 ug/L
RT: 6.788 min Scan# 1710
Delta R.T. 0.007 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

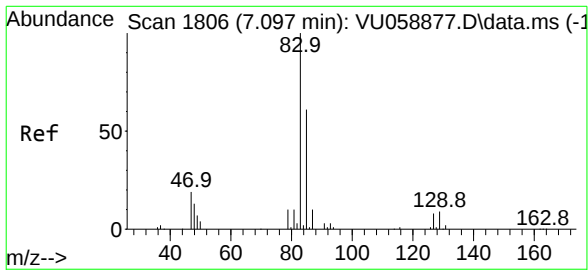
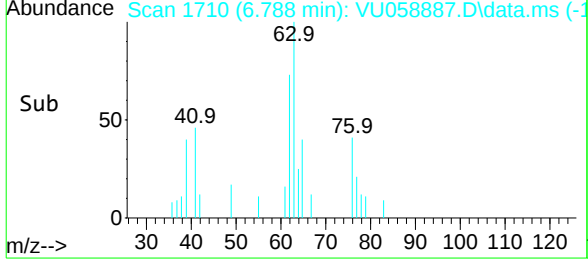
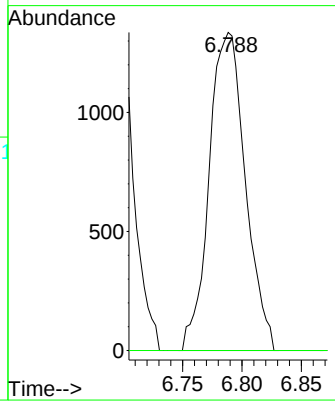
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion:	63	Resp:	2834
Ion Ratio	Lower	Upper	
63	100		
112	0.0	2.6	3.8#

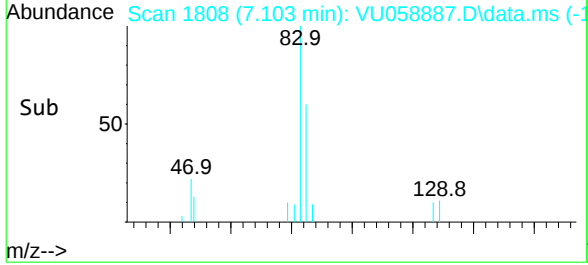
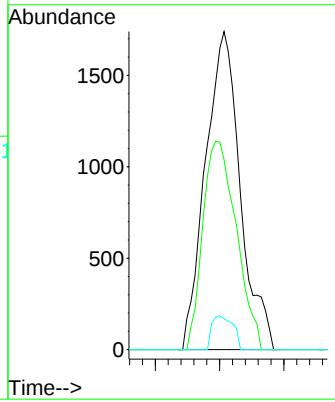
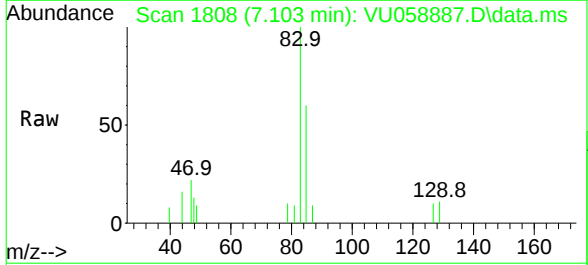
Manual Integrations
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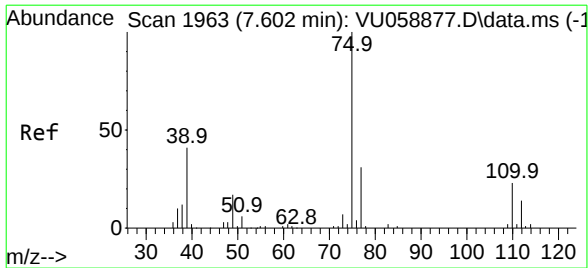
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#38
Bromodichloromethane
Concen: 0.204 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.007 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

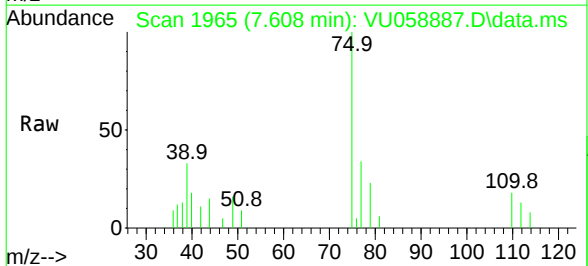
Tgt Ion:	83	Resp:	3271
Ion Ratio	Lower	Upper	
83	100		
85	59.7	42.7	79.3
127	9.8	6.1	9.1#





#39
 cis-1,3-Dichloropropene
 Concen: 0.224 ug/L
 RT: 7.608 min Scan# 1963
 Delta R.T. 0.007 min
 Lab File: VU058887.D
 Acq: 14 May 2024 15:19

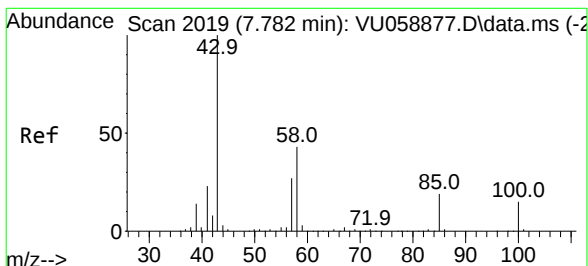
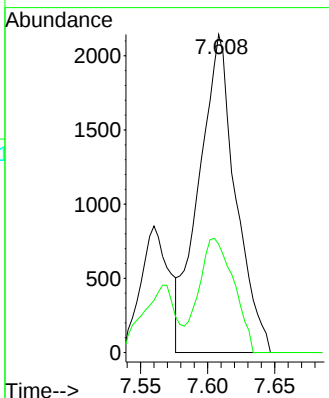
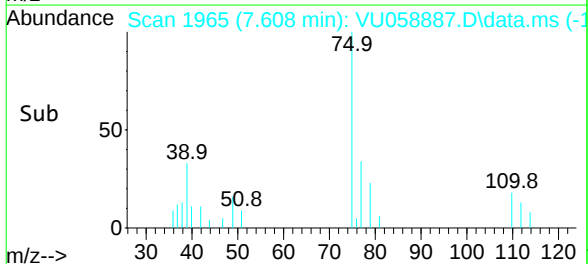
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion:	75	Resp:	4069
Ion	Ratio	Lower	Upper
75	100		
77	34.0	22.0	40.8

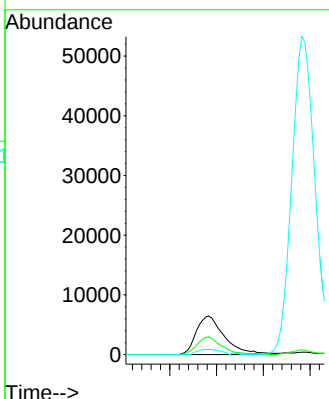
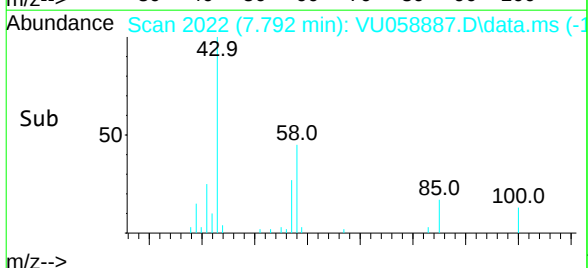
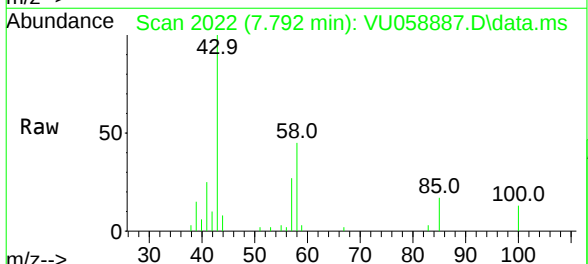
Manual Integrations
 APPROVED

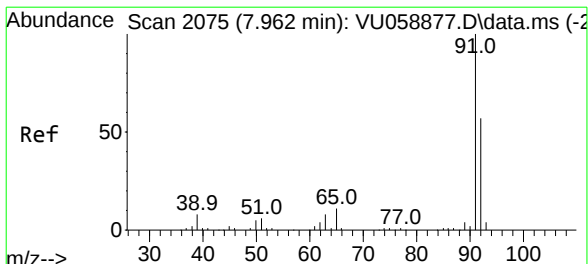
Reviewed By :Mahesh Dadoda 05/15/2024
 Supervised By :Semsettin Yesilyurt 05/15/2024



#40
 4-Methyl-2-pentanone
 Concen: 1.961 ug/L
 RT: 7.792 min Scan# 2022
 Delta R.T. 0.010 min
 Lab File: VU058887.D
 Acq: 14 May 2024 15:19

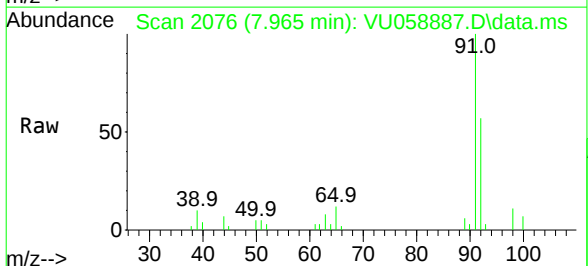
Tgt Ion:	43	Resp:	13536
Ion	Ratio	Lower	Upper
43	100		
58	40.5	34.0	51.0
100	0.0	12.1	18.1





#42
Toluene
Concen: 0.212 ug/L
RT: 7.965 min Scan# 2075
Delta R.T. 0.003 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

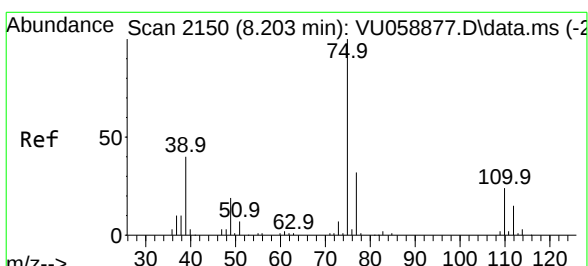
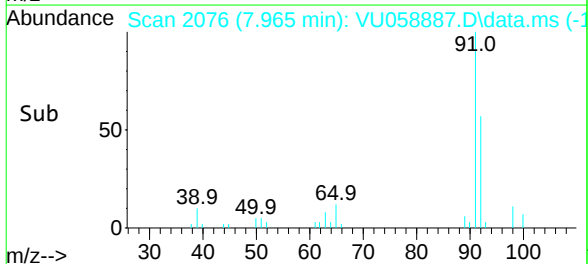
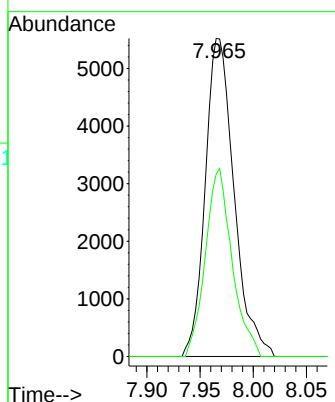
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.4	39.7	73.7

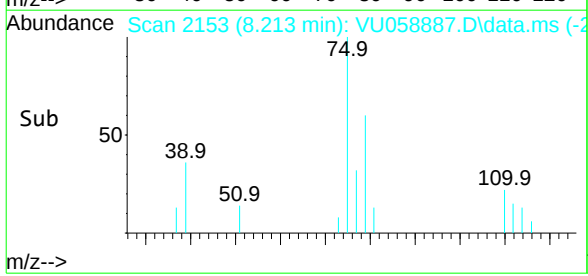
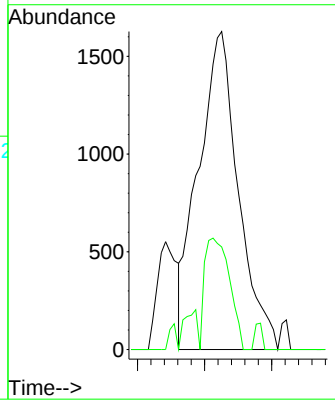
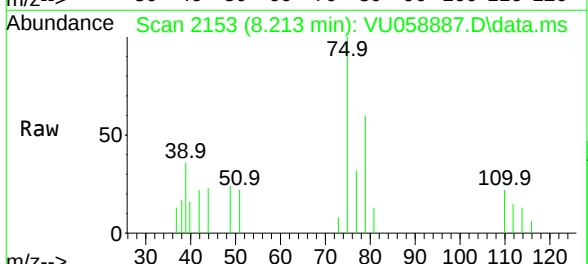
Manual Integrations
APPROVED

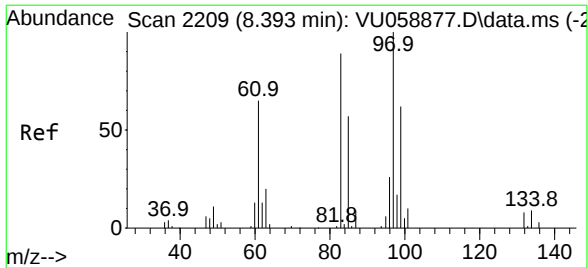
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#44
trans-1,3-Dichloropropene
Concen: 0.227 ug/L
RT: 8.213 min Scan# 2153
Delta R.T. 0.010 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

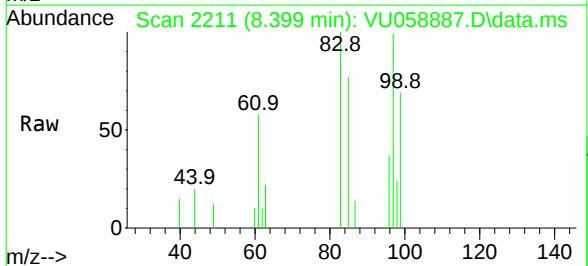
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	22.0	41.0





#45
 1,1,2-Trichloroethane
 Concen: 0.199 ug/L
 RT: 8.399 min Scan# 2209
 Delta R.T. 0.007 min
 Lab File: VU058887.D
 Acq: 14 May 2024 15:19

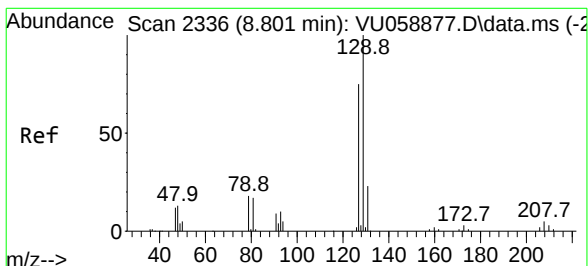
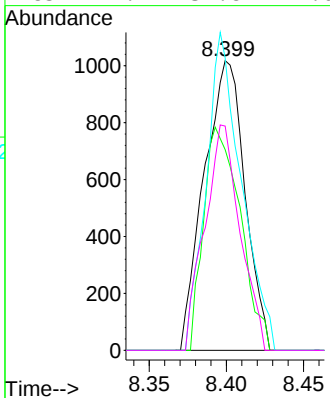
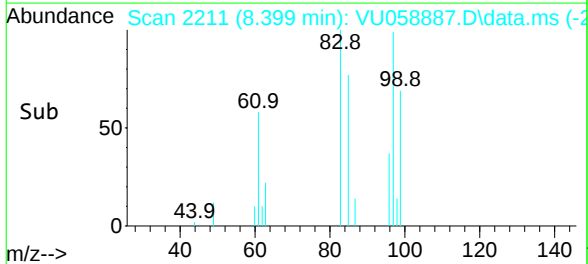
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion	Ratio	Lower	Upper
97	100		
99	69.3	43.3	80.3
83	100.9	62.3	115.7
85	77.4	39.8	74.0

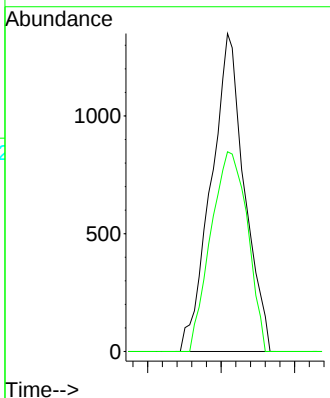
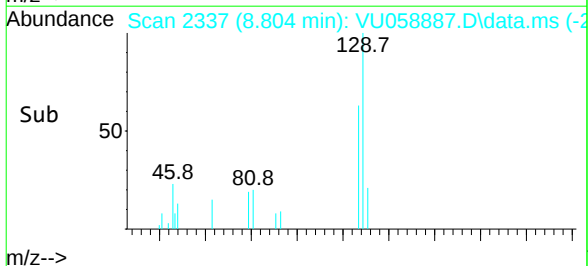
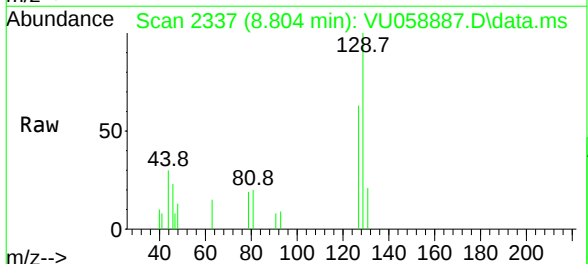
Manual Integrations
 APPROVED

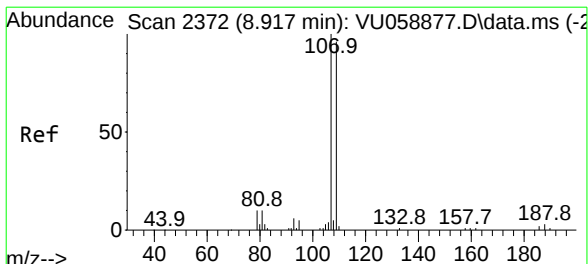
Reviewed By :Mahesh Dadoda 05/15/2024
 Supervised By :Semsettin Yesilyurt 05/15/2024



#49
 Dibromochloromethane
 Concen: 0.214 ug/L
 RT: 8.804 min Scan# 2337
 Delta R.T. 0.003 min
 Lab File: VU058887.D
 Acq: 14 May 2024 15:19

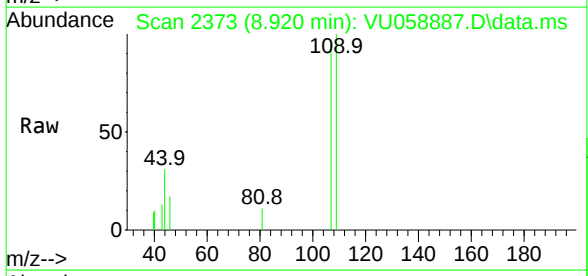
Tgt Ion	Ratio	Lower	Upper
129	100		
127	62.8	52.5	97.5





#50
1,2-Dibromoethane
Concen: 0.211 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

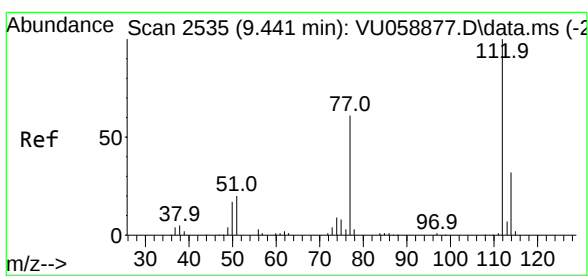
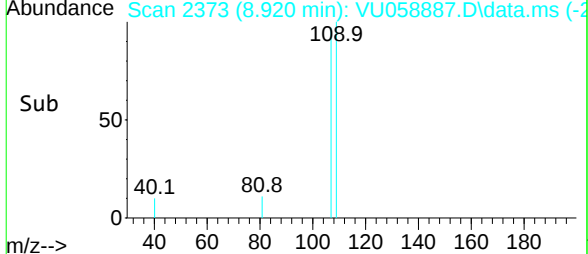
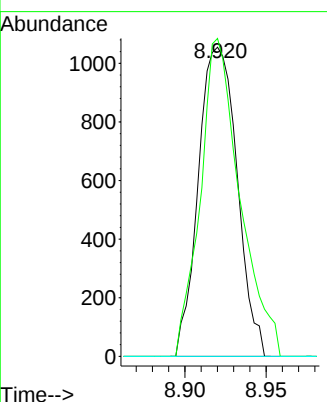
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2024-03



Tgt Ion	Ratio	Lower	Upper
107	100		
109	102.8	66.9	124.3
188	0.0	2.7	4.1#

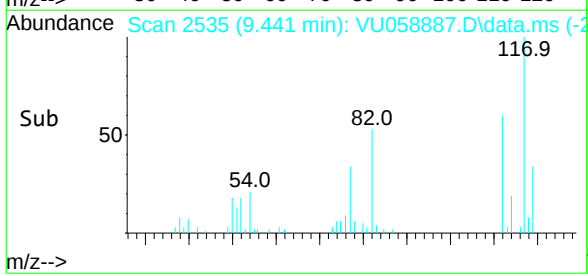
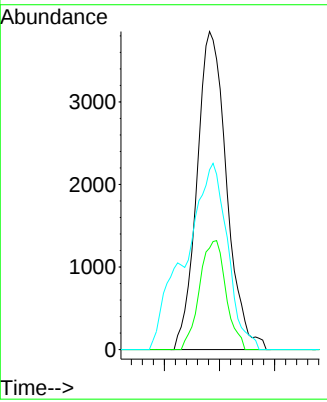
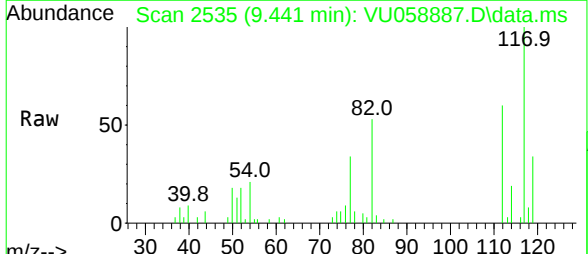
Manual Integrations
APPROVED

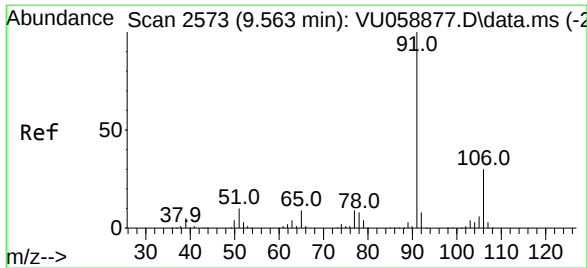
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#51
Chlorobenzene
Concen: 0.230 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	56.5	49.1	73.7





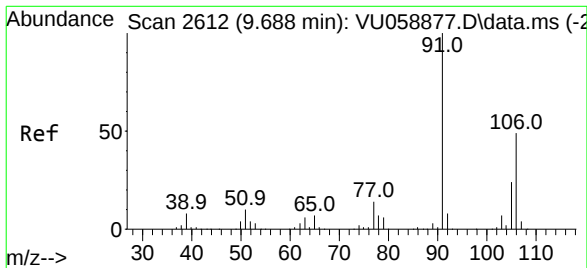
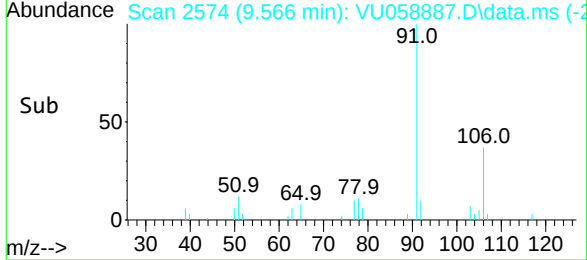
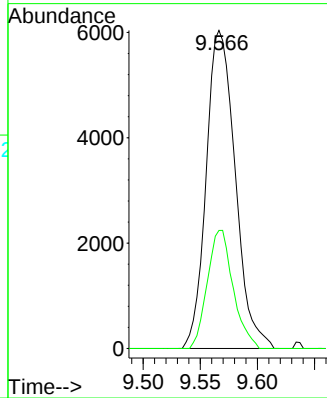
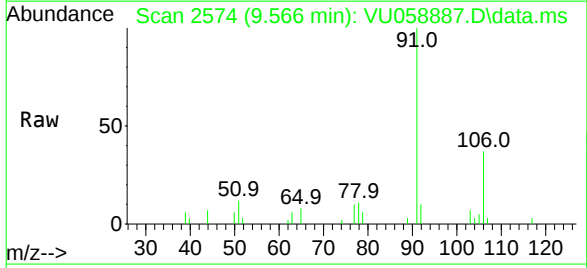
#52
Ethylbenzene
Concen: 0.202 ug/L
RT: 9.566 min Scan# 2573
Delta R.T. 0.003 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03

Tgt Ion: 91 Resp: 10682
Ion Ratio Lower Upper
91 100
106 37.1 20.9 38.7

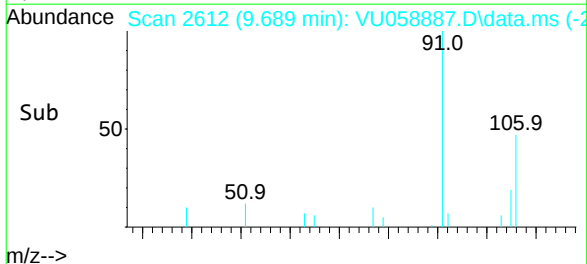
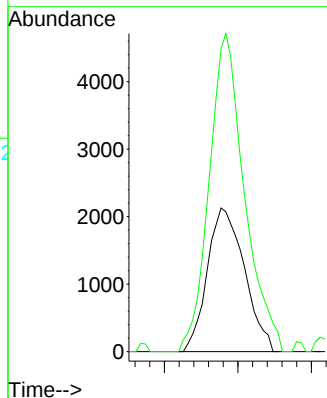
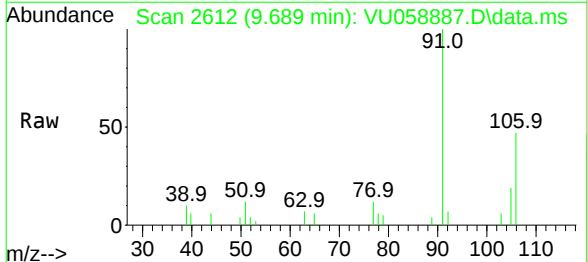
Manual Integrations
APPROVED

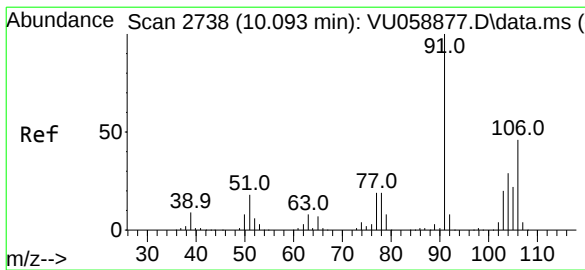
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#53
m,p-Xylene
Concen: 0.192 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

Tgt Ion:106 Resp: 3728
Ion Ratio Lower Upper
106 100
91 210.9 142.0 263.8





#54

o-Xylene

Concen: 0.168 ug/L

RT: 10.097 min Scan# 2738

Delta R.T. 0.003 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion:106 Resp: 3182

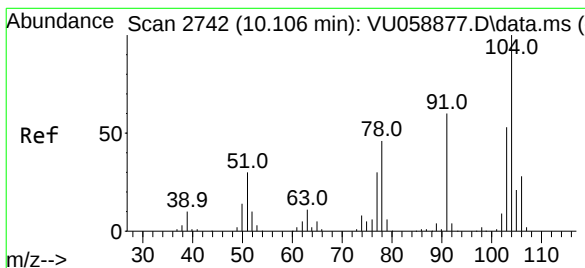
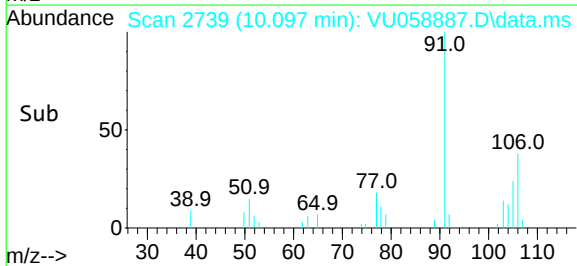
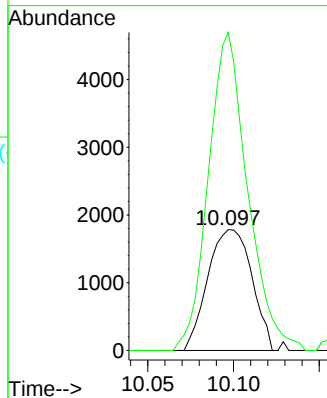
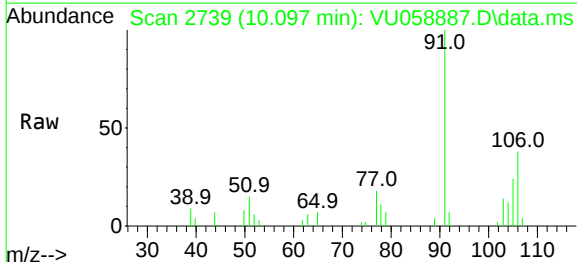
Ion Ratio Lower Upper

106 100

91 263.4 151.6 281.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024

#55

Styrene

Concen: 0.166 ug/L

RT: 10.119 min Scan# 2746

Delta R.T. 0.013 min

Lab File: VU058887.D

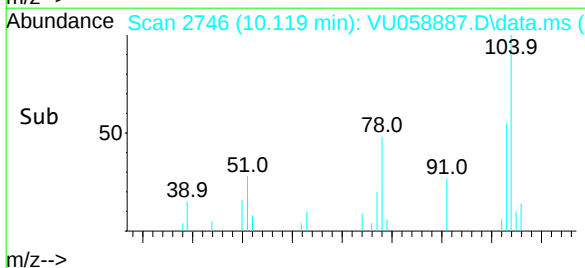
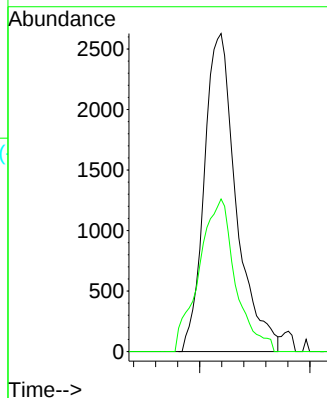
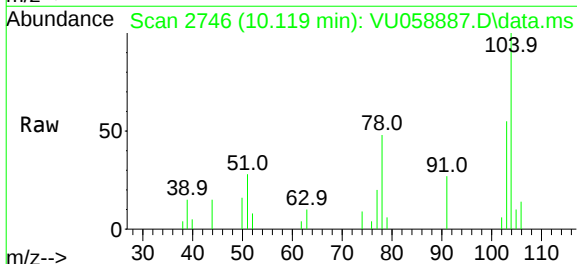
Acq: 14 May 2024 15:19

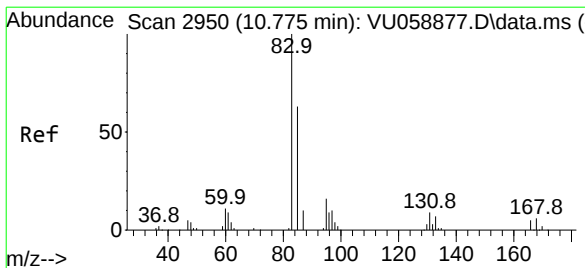
Tgt Ion:104 Resp: 5298

Ion Ratio Lower Upper

104 100

78 48.0 32.3 60.1





#57

1,1,2,2-Tetrachloroethane

Concen: 0.225 ug/L

RT: 10.779 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

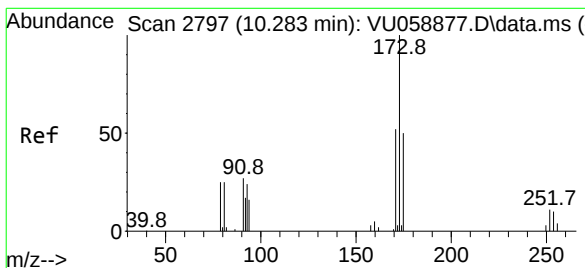
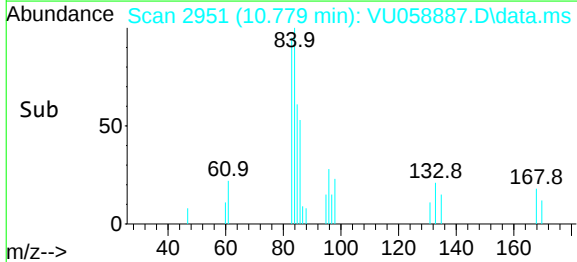
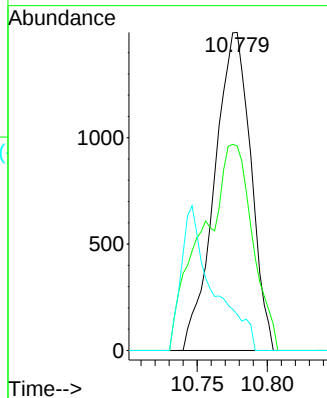
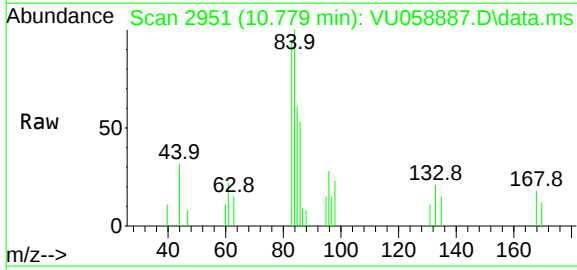
MDL-WATER-QT2-2024-03

Tgt Ion:	83	Resp:	2684
Ion	Ratio	Lower	Upper
83	100		
85	64.3	44.7	82.9
131	11.4	6.9	10.3#

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#59

Bromoform

Concen: 0.188 ug/L

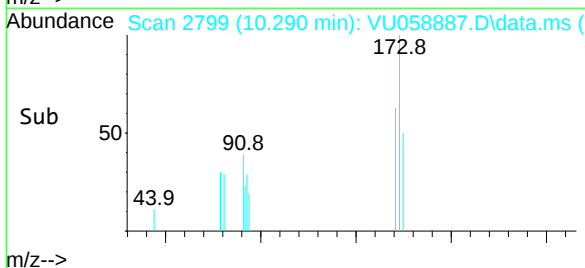
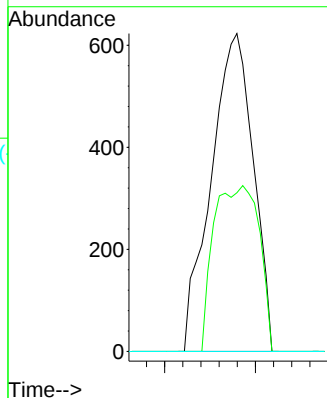
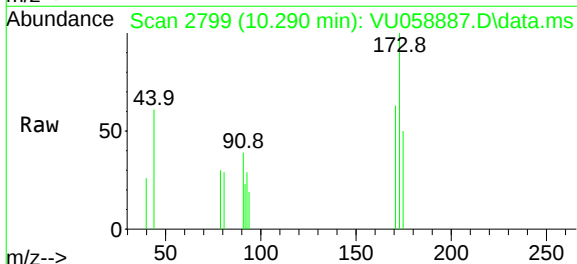
RT: 10.290 min Scan# 2799

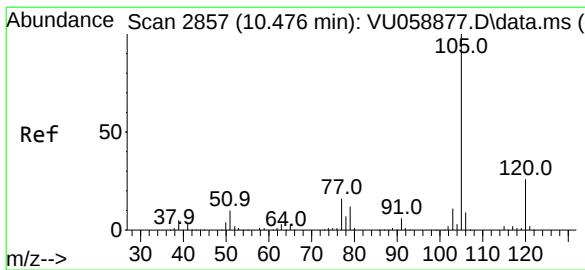
Delta R.T. 0.007 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Tgt Ion:	173	Resp:	1005
Ion	Ratio	Lower	Upper
173	100		
175	56.1	39.4	59.2
254	0.0	7.4	11.2#





#60

Isopropylbenzene

Concen: 0.203 ug/L

RT: 10.480 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

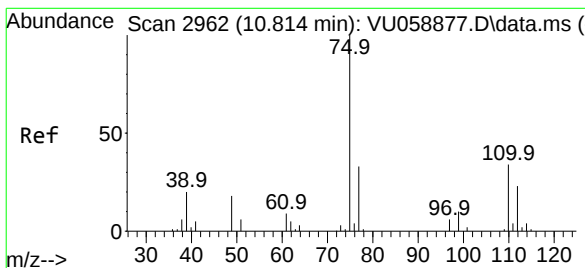
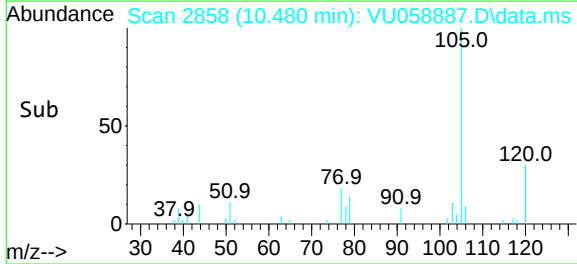
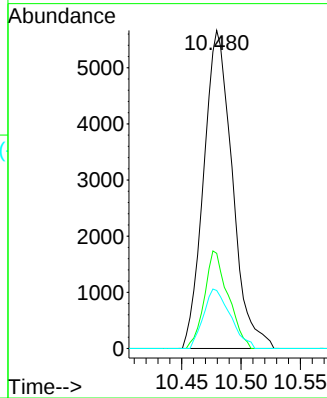
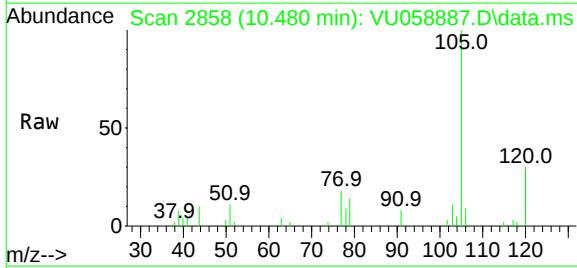
ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion:	105	Resp:	9495
Ion Ratio	Lower	Upper	
105	100		
120	25.4	20.6	31.0
77	17.5	12.8	19.2

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#61

1,2,3-Trichloropropane

Concen: 0.241 ug/L

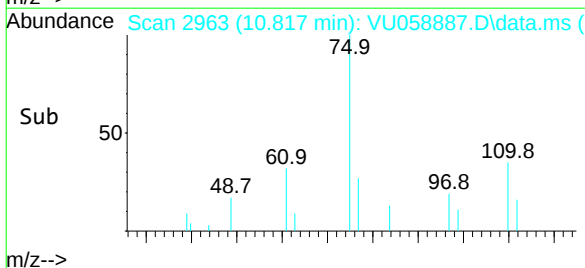
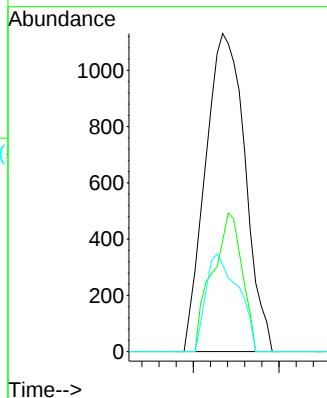
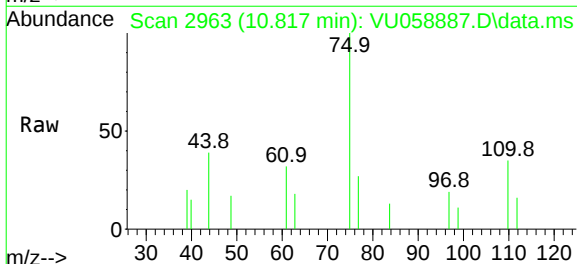
RT: 10.817 min Scan# 2963

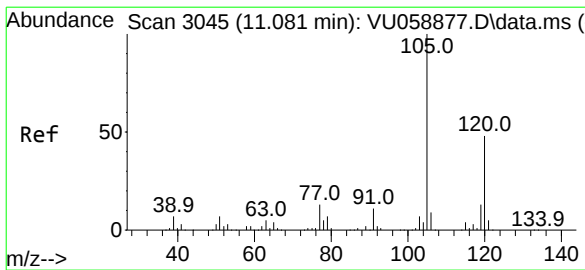
Delta R.T. 0.003 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

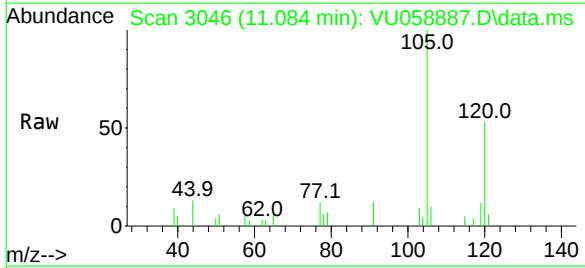
Tgt Ion:	75	Resp:	1814
Ion Ratio	Lower	Upper	
75	100		
110	32.8	27.1	40.7
77	24.9	25.4	38.2





#62
1,3,5-Trimethylbenzene
Concen: 0.181 ug/L
RT: 11.084 min Scan# 3045
Delta R.T. 0.003 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

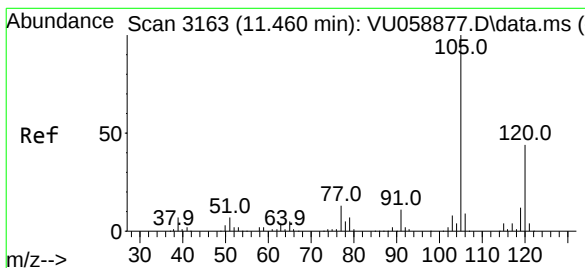
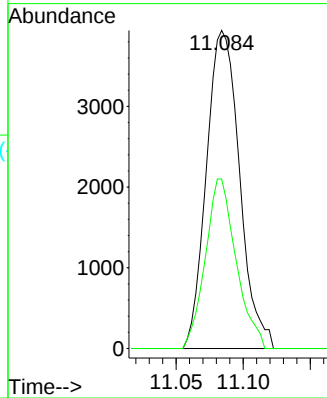
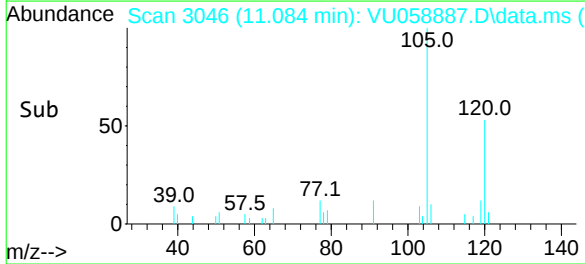
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2024-03



Tgt Ion:105 Resp: 6767
Ion Ratio Lower Upper
105 100
120 49.4 38.2 57.4

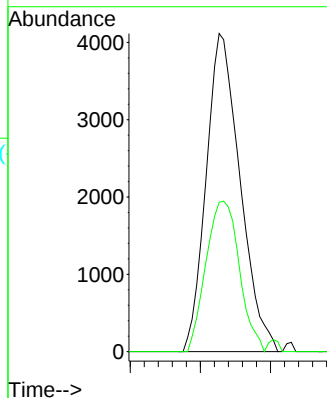
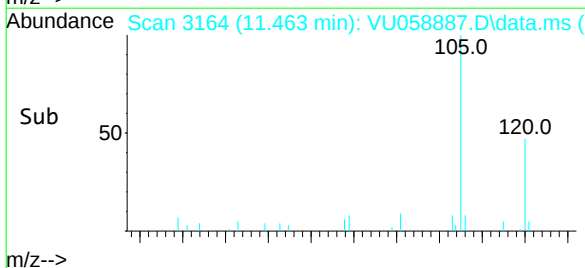
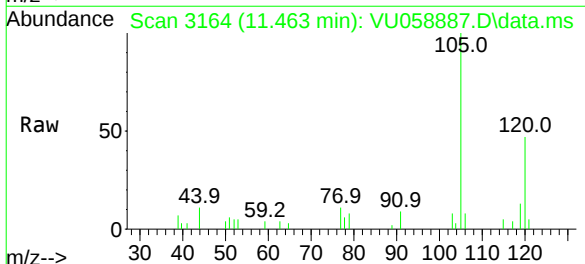
Manual Integrations
APPROVED

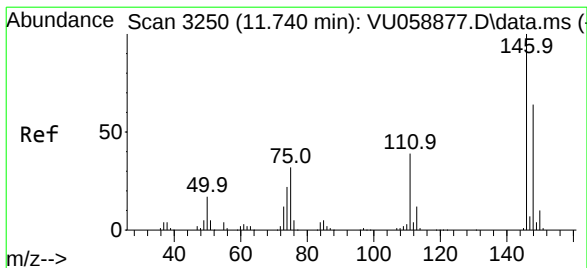
Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#63
1,2,4-Trimethylbenzene
Concen: 0.187 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.003 min
Lab File: VU058887.D
Acq: 14 May 2024 15:19

Tgt Ion:105 Resp: 6902
Ion Ratio Lower Upper
105 100
120 46.6 35.4 53.0





#64

1,3-Dichlorobenzene

Concen: 0.240 ug/L

RT: 11.746 min Scan# 3250

Delta R.T. 0.007 min

Lab File: VU058887.D

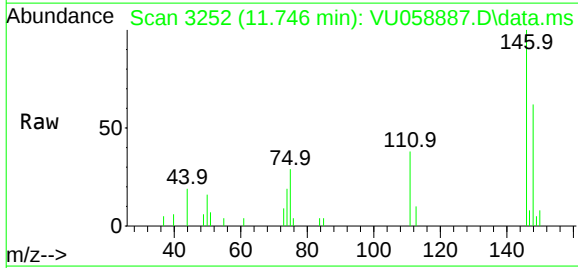
Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

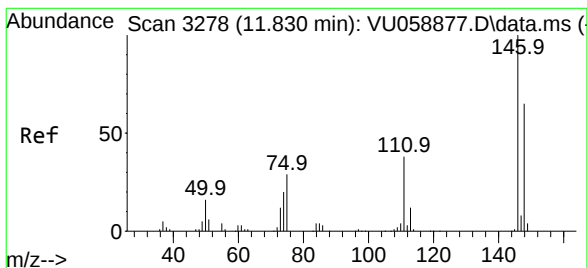
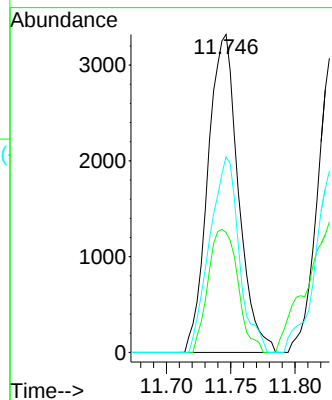
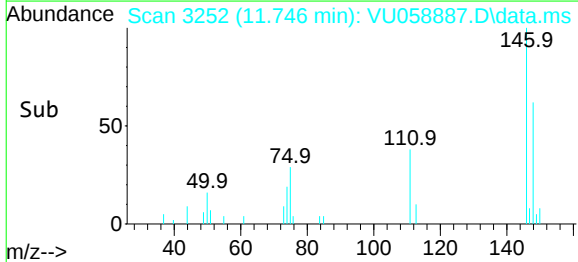
MDL-WATER-QT2-2024-03



Tgt Ion:	146	Resp:	5459
Ion	Ratio	Lower	Upper
146	100		
111	37.7	27.4	51.0
148	61.5	45.0	83.6

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#65

1,4-Dichlorobenzene

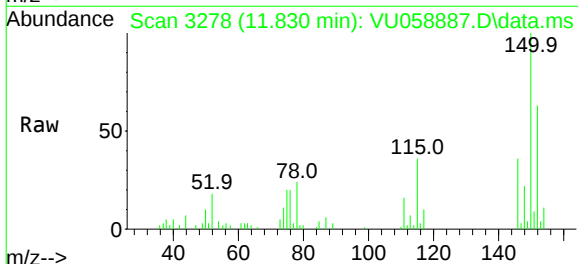
Concen: 0.260 ug/L

RT: 11.830 min Scan# 3278

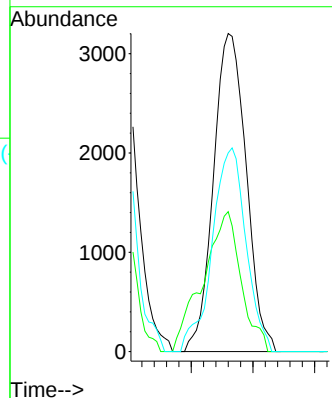
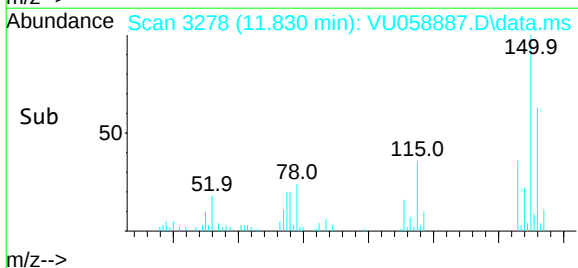
Delta R.T. 0.000 min

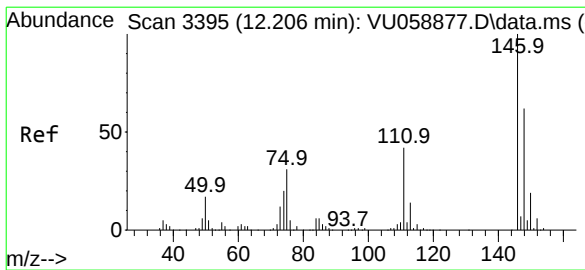
Lab File: VU058887.D

Acq: 14 May 2024 15:19



Tgt Ion:	146	Resp:	5903
Ion	Ratio	Lower	Upper
146	100		
111	44.0	26.9	50.1
148	62.5	45.3	84.1





#67

1,2-Dichlorobenzene

Concen: 0.237 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

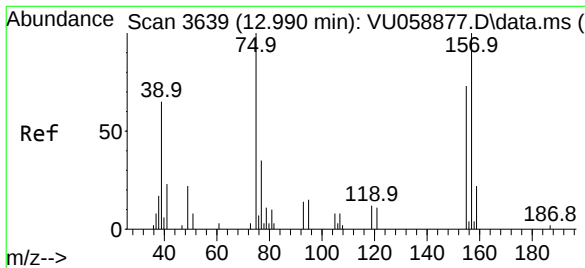
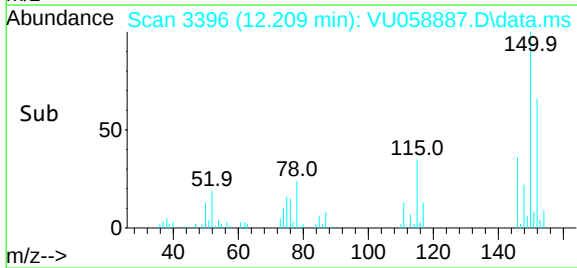
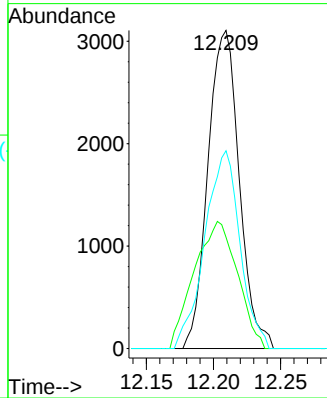
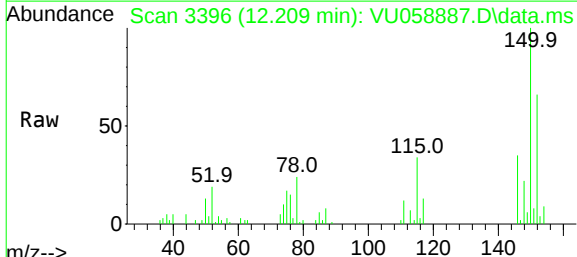
MDL-WATER-QT2-2024-03

Tgt Ion:	146	Resp:	5046
Ion Ratio	Lower	Upper	
146	100		
111	35.0	33.4	50.0
148	62.2	49.7	74.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#68

1,2-Dibromo-3-chloropropane

Concen: 0.158 ug/L

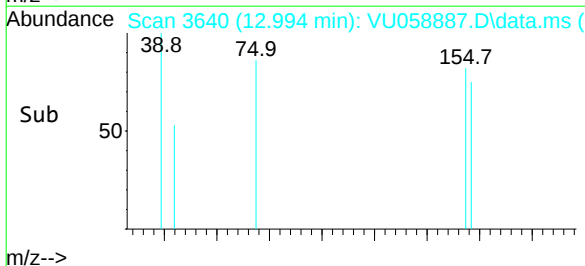
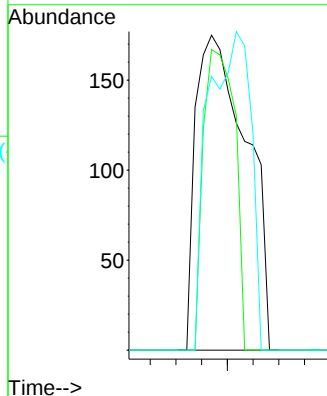
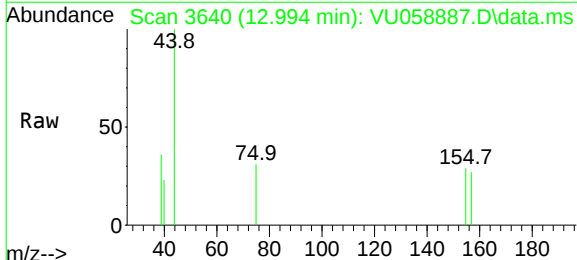
RT: 12.994 min Scan# 3640

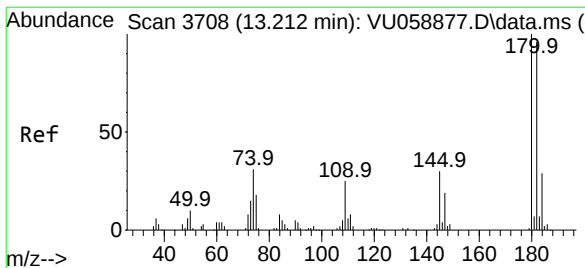
Delta R.T. 0.003 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Tgt Ion:	75	Resp:	240
Ion Ratio	Lower	Upper	
75	100		
155	95.4	58.2	87.2#
157	86.9	80.0	120.0





#69

1,3,5-Trichlorobenzene

Concen: 0.225 ug/L

RT: 13.222 min Scan# 3708

Delta R.T. 0.010 min

Lab File: VU058887.D

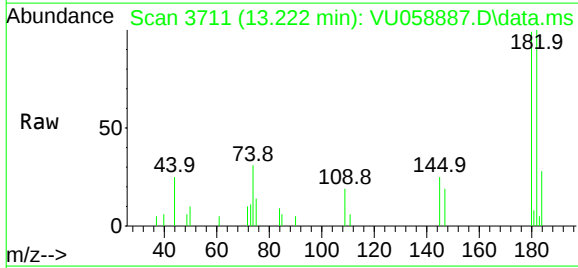
Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2024-03



Tgt Ion:180 Resp: 3838

Ion Ratio Lower Upper

180 100

182 99.9 75.4 113.0

184 27.6 23.0 34.6

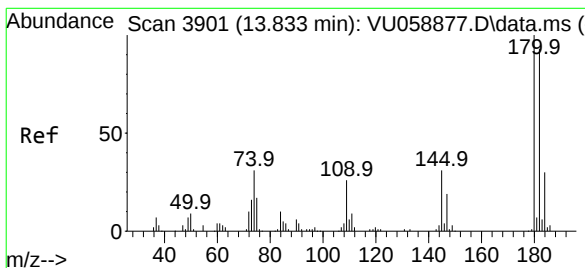
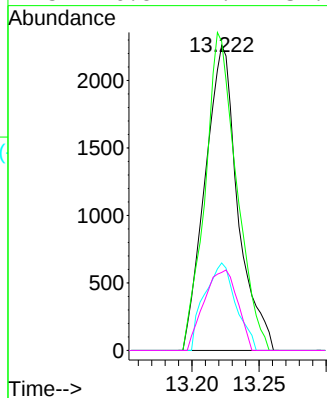
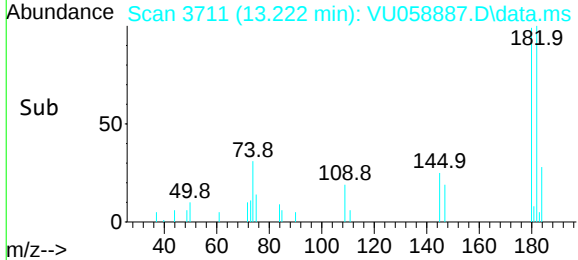
145 26.8 22.9 34.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024

Supervised By :Semsettin Yesilyurt 05/15/2024



#70

1,2,4-trichlorobenzene

Concen: 0.230 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.007 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

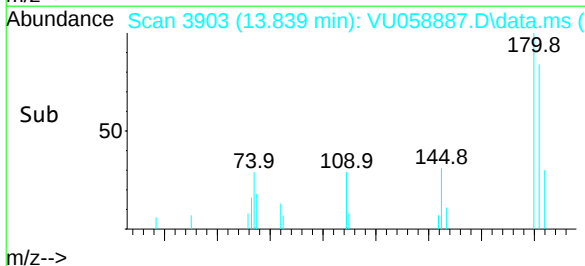
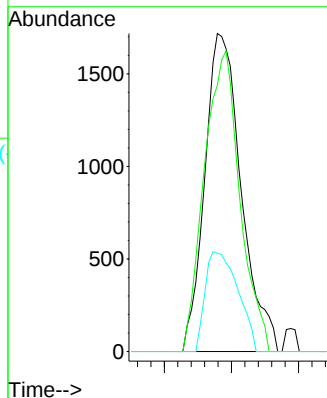
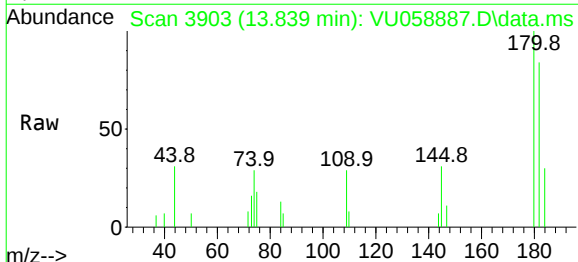
Tgt Ion:180 Resp: 3237

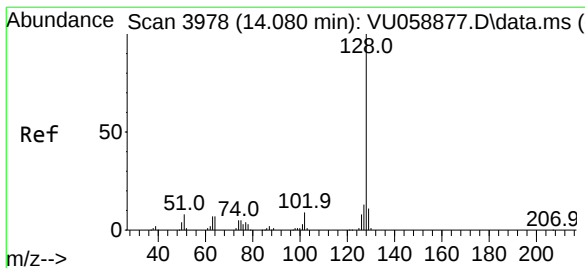
Ion Ratio Lower Upper

180 100

182 92.2 74.9 112.3

145 28.1 23.9 35.9





#71

Naphthalene

Concen: 0.218 ug/L m

RT: 14.097 min Scan# 39

Delta R.T. 0.016 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Instrument :

MSVOA_U

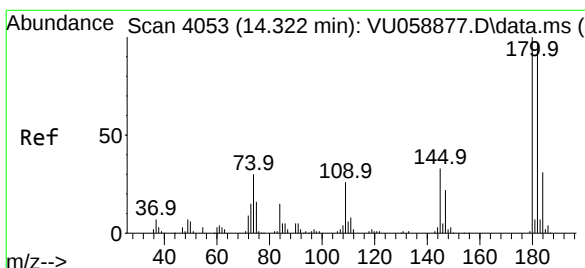
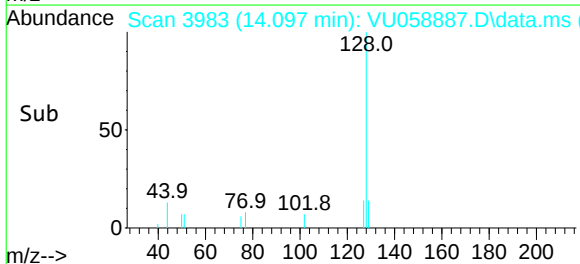
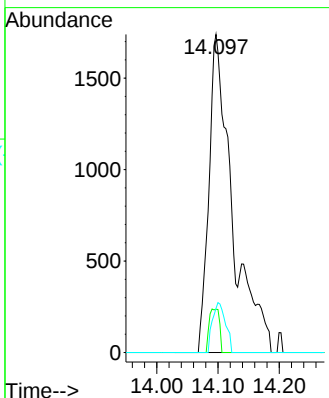
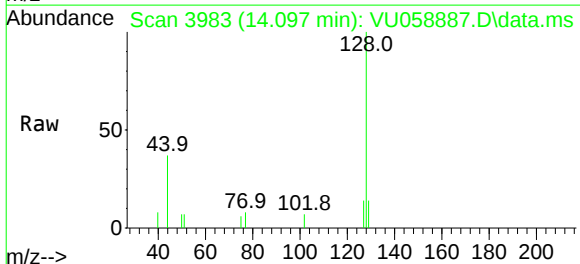
ClientSampleId :

MDL-WATER-QT2-2024-03

Tgt Ion:	128	Resp:	4625
Ion Ratio	Lower	Upper	
128	100		
129	5.9	8.2	12.4#
127	8.7	10.2	15.4#

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/15/2024
Supervised By :Semsettin Yesilyurt 05/15/2024



#72

1,2,3-Trichlorobenzene

Concen: 0.235 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.007 min

Lab File: VU058887.D

Acq: 14 May 2024 15:19

Tgt Ion:	180	Resp:	2903
Ion Ratio	Lower	Upper	
180	100		
182	75.3	77.0	115.6#
145	26.7	26.2	39.4

