

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU080124\
 Data File : VU060289.D
 Acq On : 01 Aug 2024 10:52
 Operator : MD/SY
 Sample : P3391-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2024-06

Quant Time: Aug 02 02:46:23 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 02 02:32:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	221434	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	230743	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	92861	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	79624	56.004	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery = 112.000%			
7) Chloroethane-d5	1.901	69	64275	53.747	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery = 107.500%			
11) 1,1-Dichloroethene-d2	2.557	63	94671	37.481	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 74.960%			
21) 2-Butanone-d5	4.615	46	102813	104.055	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery = 104.060%			
24) Chloroform-d	5.055	84	128174	46.553	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 93.100%			
26) 1,2-Dichloroethane-d4	5.692	65	78972	48.240	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 96.480%			
32) Benzene-d6	5.721	84	261926	44.329	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery = 88.660%			
36) 1,2-Dichloropropane-d6	6.682	67	89076	48.709	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery = 97.420%			
41) Toluene-d8	7.891	98	221629	39.443	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 78.880%#			
43) trans-1,3-Dichloroprop...	8.174	79	36392	42.528	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery = 85.060%			
47) 2-Hexanone-d5	8.627	63	57222	74.247	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery = 74.250%			
56) 1,1,2,2-Tetrachloroeth...	10.749	84	126748	45.157	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery = 90.320%			
66) 1,2-Dichlorobenzene-d4	12.187	152	77680	45.522	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery = 91.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	2972	2.161	ug/L	94
3) Chloromethane	1.518	50	4411	3.269	ug/L	95
5) Vinyl chloride	1.602	62	4529	2.859	ug/L #	73
6) Bromomethane	1.843	94	2653	3.188	ug/L	96
8) Chloroethane	1.927	64	2846	2.759	ug/L	96
9) Trichlorofluoromethane	2.129	101	5394	2.446	ug/L	92
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	4525	3.223	ug/L #	78
12) 1,1-Dichloroethene	2.573	96	3698	2.817	ug/L #	1
13) Acetone	2.621	43	4883m	4.799	ug/L	
14) Carbon disulfide	2.788	76	7380	2.227	ug/L #	92
15) Methyl Acetate	2.949	43	4100	2.673	ug/L	94
16) Methylene chloride	3.039	84	6374	3.850	ug/L	93
17) trans-1,2-Dichloroethene	3.348	96	3036	2.246	ug/L	86
18) Methyl tert-butyl Ether	3.357	73	10546	2.402	ug/L	98
19) 1,1-Dichloroethane	3.862	63	7158	2.792	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	3667	2.240	ug/L	84
22) 2-Butanone	4.721	43	6994m	5.587	ug/L	
23) Bromochloromethane	4.972	128	2135	2.473	ug/L	91
27) 1,2-Dichloroethane	5.791	62	5793	2.766	ug/L	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
29) Cyclohexane	5.383	56	3981	1.927	ug/L	#	91
30) 1,1,1-Trichloroethane	5.309	97	5607	2.346	ug/L		98
31) Carbon tetrachloride	5.521	117	4583	2.321	ug/L		93
34) Trichloroethene	6.544	95	3979	2.393	ug/L		94
35) Methylcyclohexane	6.759	83	4510m	1.964	ug/L		
37) 1,2-Dichloropropane	6.788	63	4732	2.759	ug/L	#	88
38) Bromodichloromethane	7.100	83	5785	2.662	ug/L	#	95
39) cis-1,3-Dichloropropene	7.605	75	6393	2.436	ug/L		91
40) 4-Methyl-2-pentanone	7.788	43	10077	4.649	ug/L	#	91
42) Toluene	7.965	91	15120	2.223	ug/L		93
44) trans-1,3-Dichloropropene	8.206	75	6137m	2.546	ug/L		
45) 1,1,2-Trichloroethane	8.399	97	4995	2.781	ug/L		92
46) Tetrachloroethene	8.550	164	2861	2.092	ug/L		94
48) 2-Hexanone	8.682	43	14935m	8.232	ug/L		
49) Dibromochloromethane	8.801	129	4378	2.474	ug/L		95
50) 1,2-Dibromoethane	8.923	107	4338	2.310	ug/L	#	93
51) Chlorobenzene	9.441	112	10520	2.330	ug/L		93
52) Ethylbenzene	9.566	91	15103	2.079	ug/L		99
53) m,p-Xylene	9.688	106	4687	1.657	ug/L		87
54) o-Xylene	10.097	106	4821	1.773	ug/L		96
55) Styrene	10.119	104	8098	1.765	ug/L		96
57) 1,1,2,2-Tetrachloroethane	10.775	83	8414	2.778	ug/L	#	99
59) Bromoform	10.286	173	3583	3.191	ug/L	#	89
60) 1,2,3-Trichloropropane	10.817	75	6135	3.481	ug/L	#	89
61) Isopropylbenzene	10.479	105	12017	2.220	ug/L		98
62) 1,3,5-Trimethylbenzene	11.087	105	7786	1.965	ug/L		96
63) 1,2,4-Trimethylbenzene	11.467	105	7588	1.788	ug/L		98
64) 1,3-Dichlorobenzene	11.743	146	7157	2.549	ug/L		97
65) 1,4-Dichlorobenzene	11.830	146	7350	2.533	ug/L		95
67) 1,2-Dichlorobenzene	12.206	146	8030	2.832	ug/L		95
68) 1,2-Dibromo-3-chloropr...	13.000	75	1486	3.083	ug/L	#	73
69) 1,3,5-Trichlorobenzene	13.222	180	4703m	2.324	ug/L		
70) 1,2,4-trichlorobenzene	13.843	180	3811	2.089	ug/L		91
71) Naphthalene	14.097	128	10025m	1.902	ug/L		
72) 1,2,3-Trichlorobenzene	14.331	180	3065	1.675	ug/L		85

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

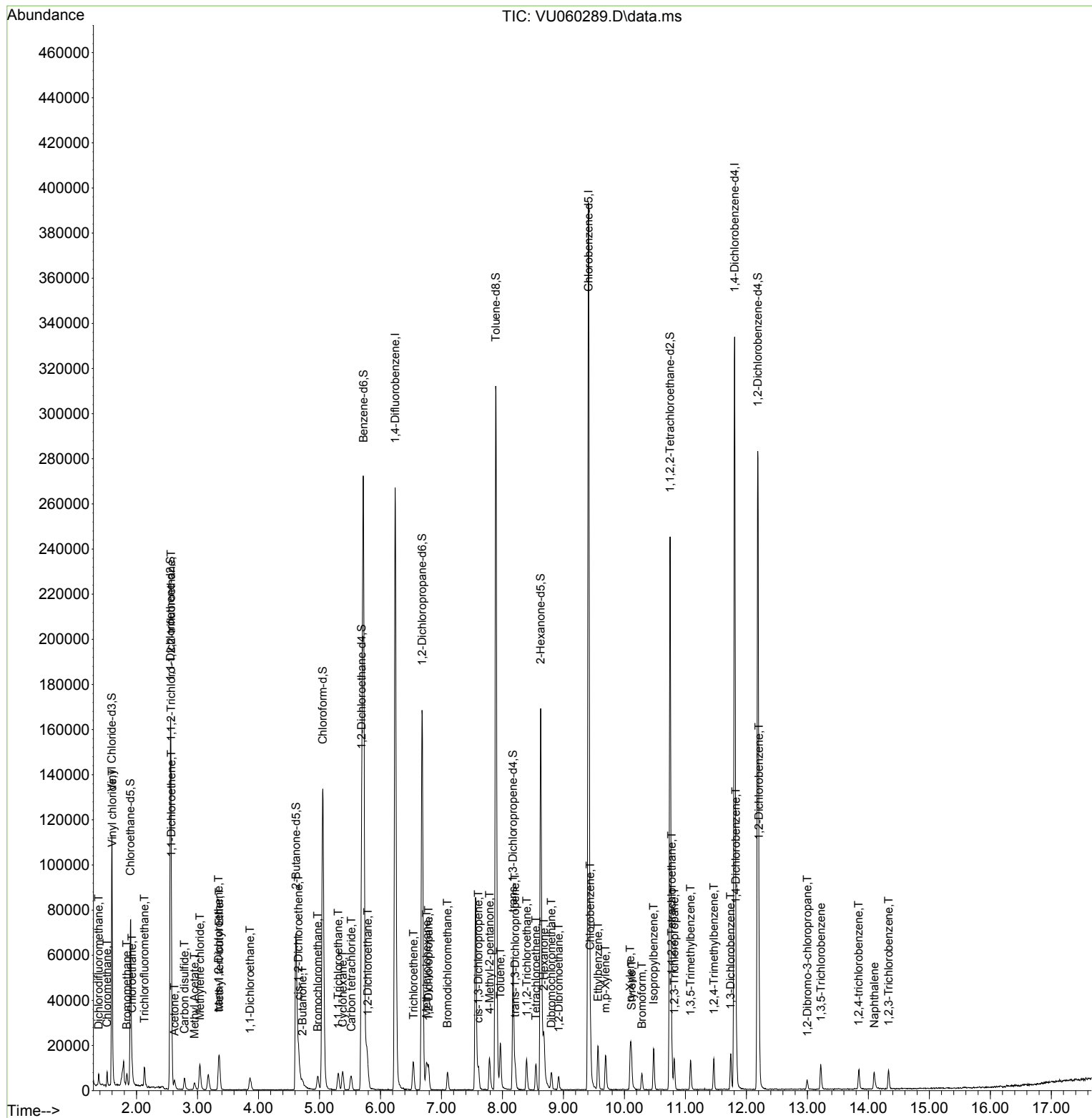
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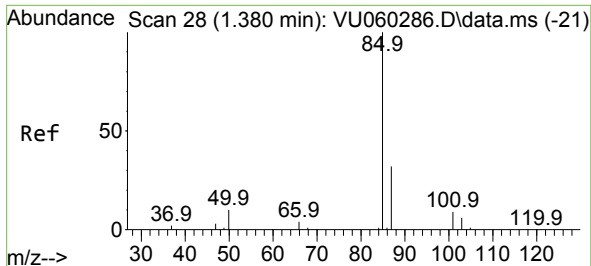
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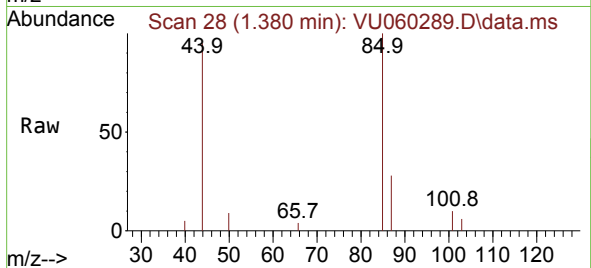
Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024





#2
Dichlorodifluoromethane
Concen: 2.161 ug/L
RT: 1.380 min Scan# 28
Delta R.T. -0.000 min
Lab File: VU060289.D
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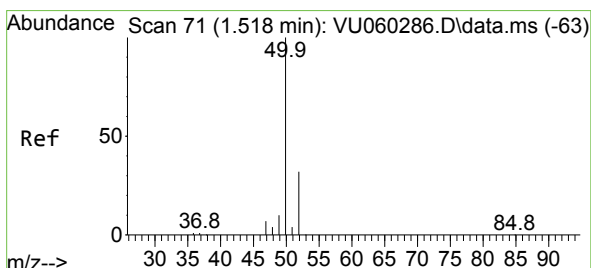
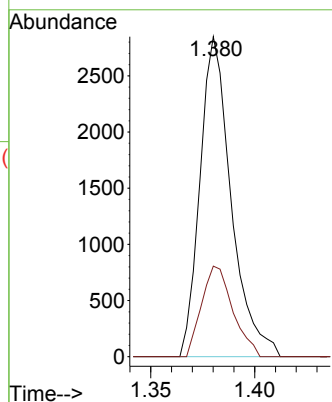
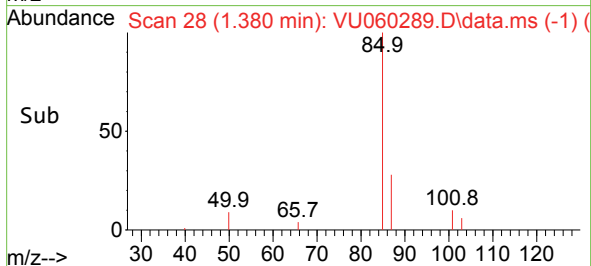
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-06



Tgt Ion: 85 Resp: 2972
Ion Ratio Lower Upper
85 100
87 28.3 25.4 38.2

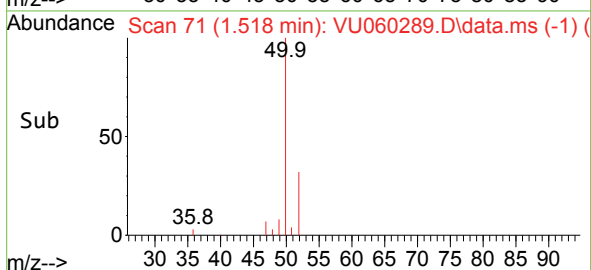
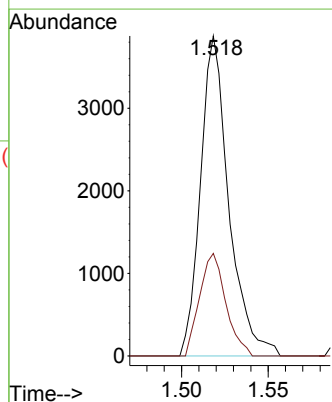
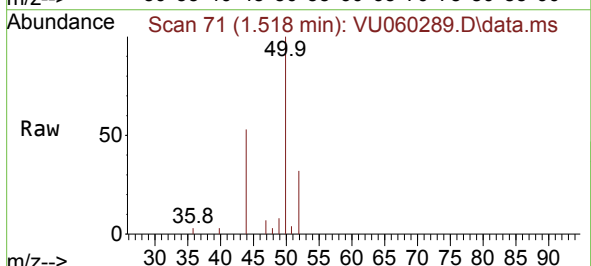
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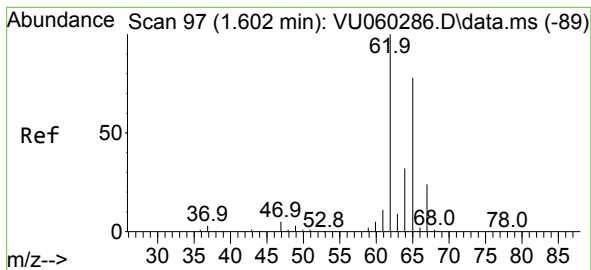
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#3
Chloromethane
Concen: 3.269 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

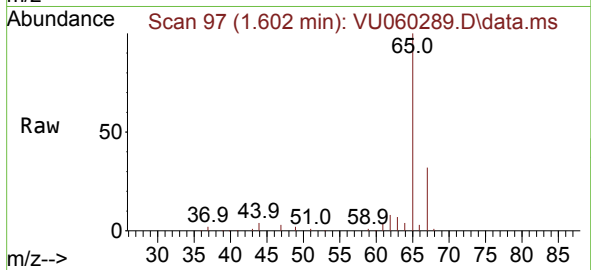
Tgt Ion: 50 Resp: 4411
Ion Ratio Lower Upper
50 100
52 32.0 24.5 45.5





#5
 Vinyl chloride
 Concen: 2.859 ug/L
 RT: 1.602 min Scan# 97
 Delta R.T. -0.000 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52

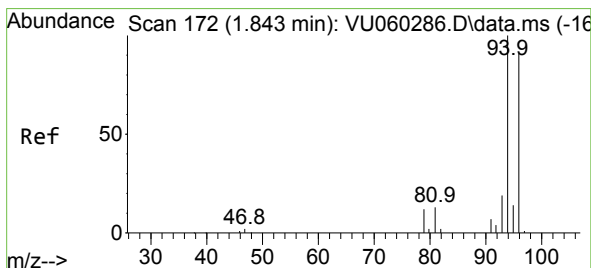
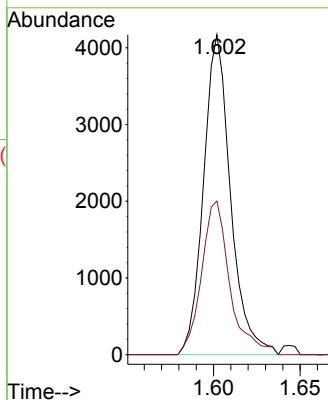
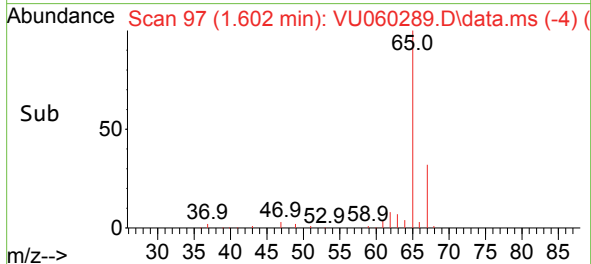
Instrument : MSVOA_U
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Tgt Ion: 62 Resp: 4529
 Ion Ratio Lower Upper
 62 100
 64 48.0 22.9 42.5

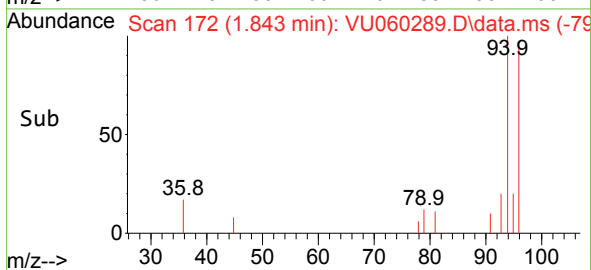
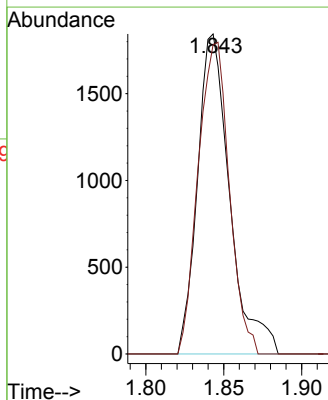
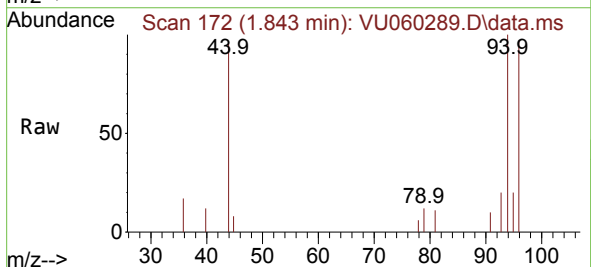
Manual Integrations
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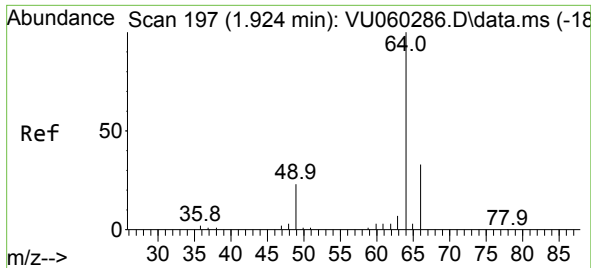
Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024



#6
 Bromomethane
 Concen: 3.188 ug/L
 RT: 1.843 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52

Tgt Ion: 94 Resp: 2653
 Ion Ratio Lower Upper
 94 100
 96 96.6 65.2 121.2





#8

Chloroethane

Concen: 2.759 ug/L

RT: 1.927 min Scan# 197

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

Tgt Ion: 64 Resp: 2840

Ion Ratio Lower Upper

64 100

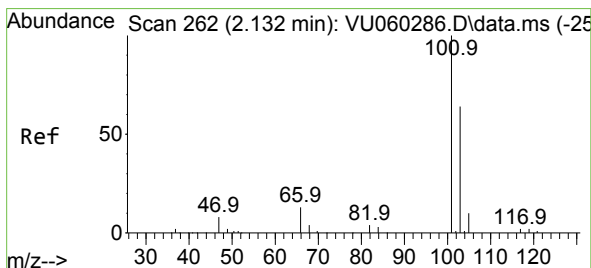
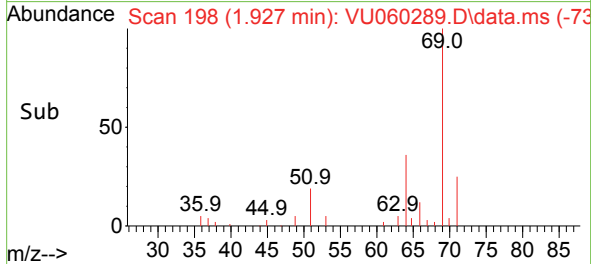
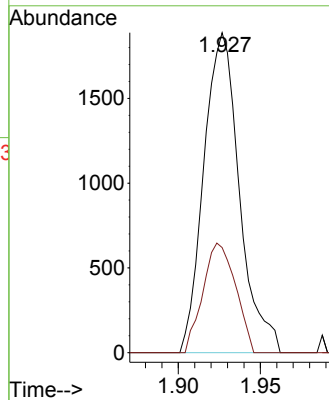
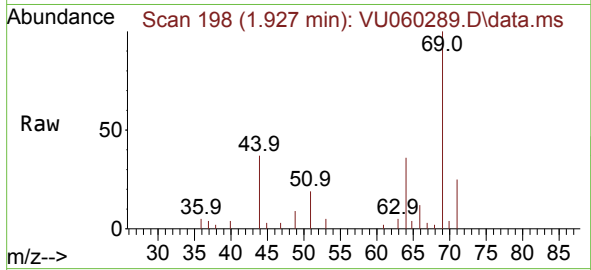
66 29.6 22.3 41.3

Manual Integrations

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#9

Trichlorofluoromethane

Concen: 2.446 ug/L

RT: 2.129 min Scan# 261

Delta R.T. -0.003 min

Lab File: VU060289.D

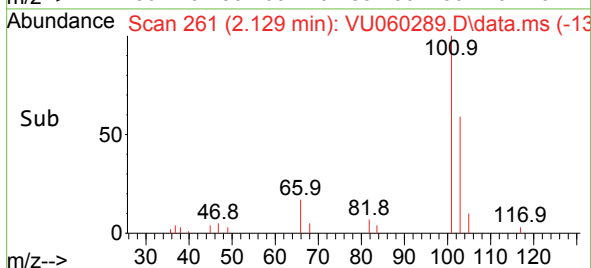
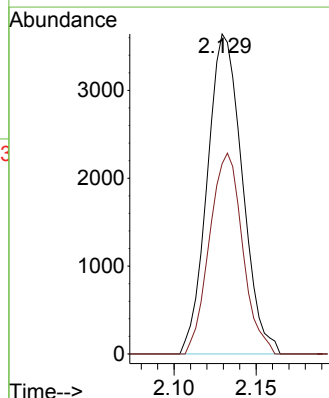
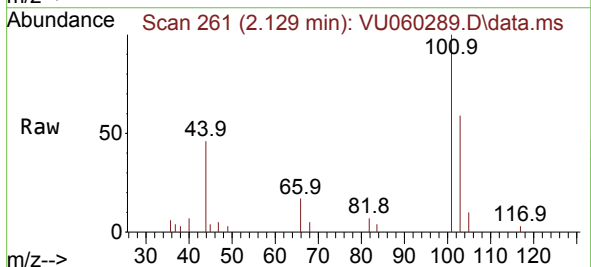
Acq: 01 Aug 2024 10:52

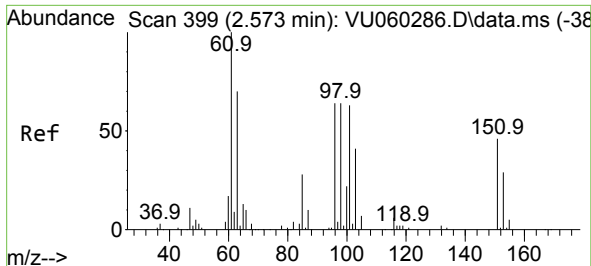
Tgt Ion:101 Resp: 5394

Ion Ratio Lower Upper

101 100

103 59.4 52.3 78.5





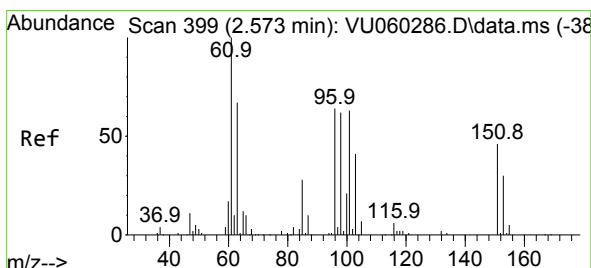
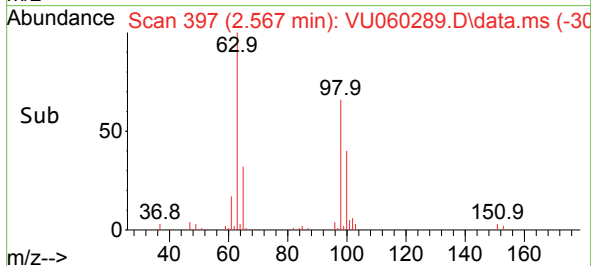
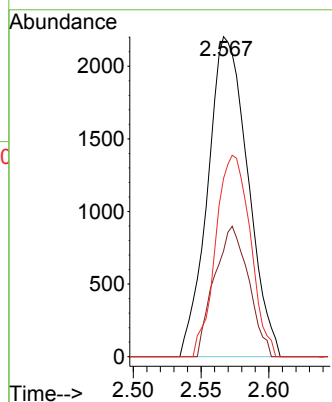
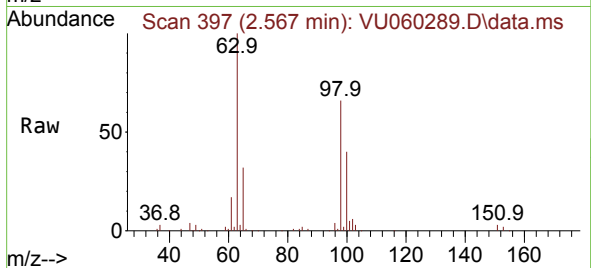
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.223 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.006 min
Lab File: VU060289.D
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Instrument :
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MDL-WATER-QT3-2024-06

Tgt Ion:101 Resp: 452
Ion Ratio Lower Upper
101 100
85 34.7 34.8 52.2
151 54.5 62.3 93.5

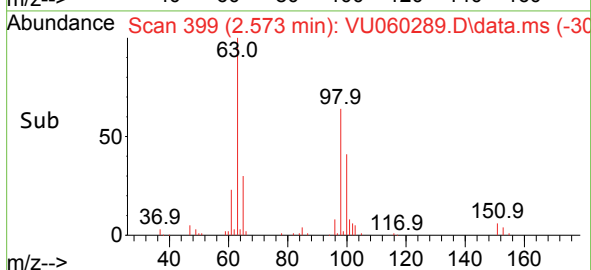
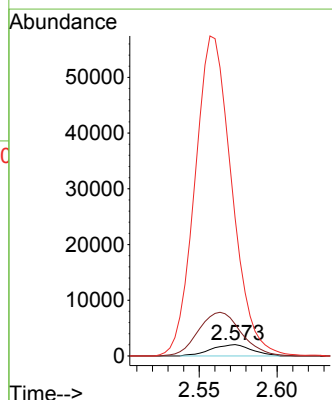
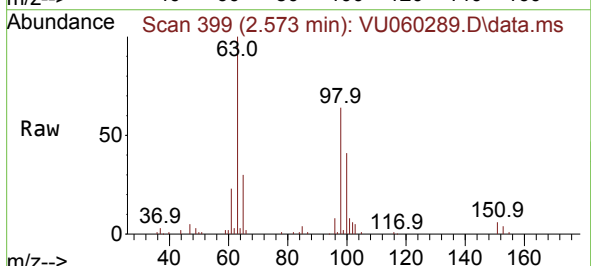
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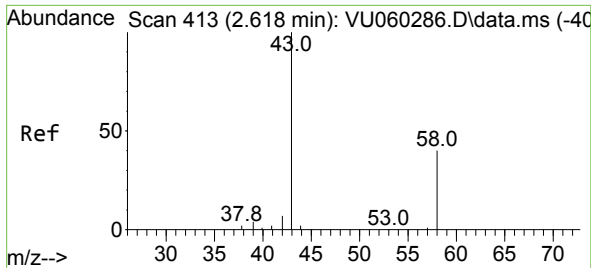
Reviewed By :Mahesh Dadoda 08/03/2024
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#12
1,1-Dichloroethene
Concen: 2.817 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

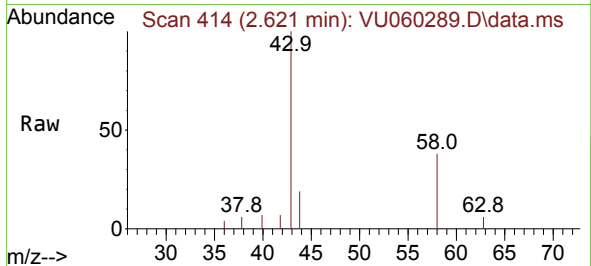
Tgt Ion: 96 Resp: 3698
Ion Ratio Lower Upper
96 100
61 281.7 112.2 208.4#
63 1220.3 87.4 162.2#





#13
Acetone
Concen: 4.799 ug/L m
RT: 2.621 min Scan# 413
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

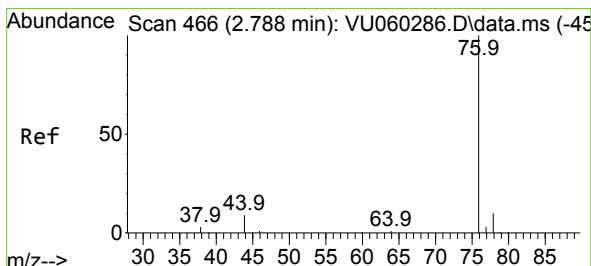
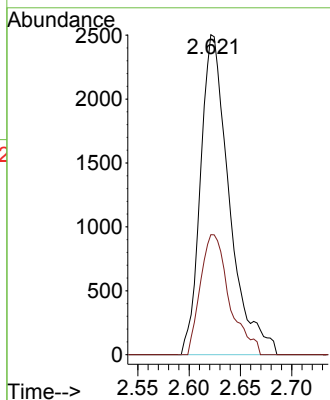
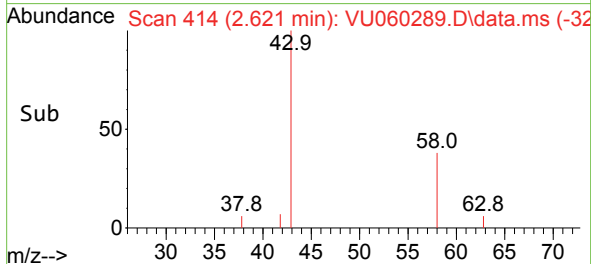
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Tgt Ion: 43 Resp: 488
Ion Ratio Lower Upper
43 100
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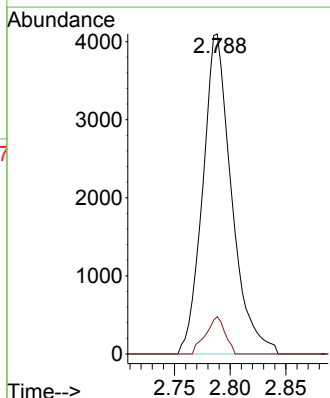
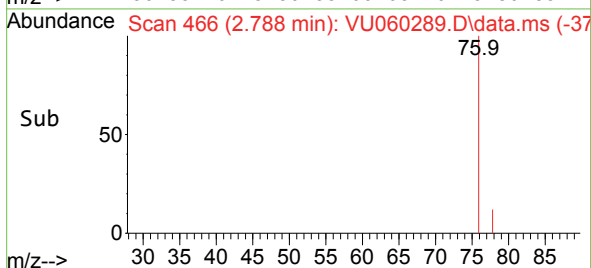
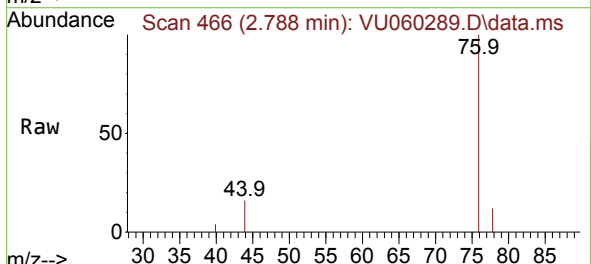
Manual Integrations
APPROVED

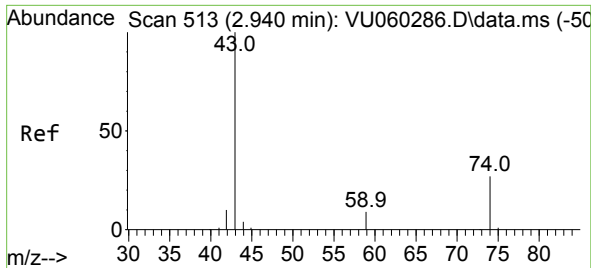
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#14
Carbon disulfide
Concen: 2.227 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion: 76 Resp: 7380
Ion Ratio Lower Upper
76 100
78 11.7 7.0 10.4#





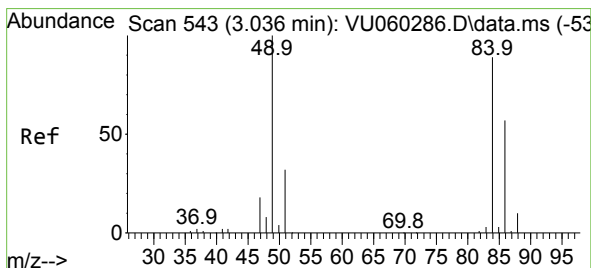
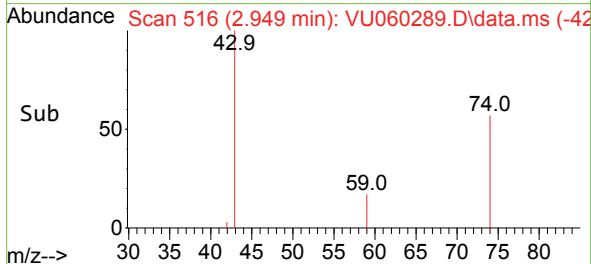
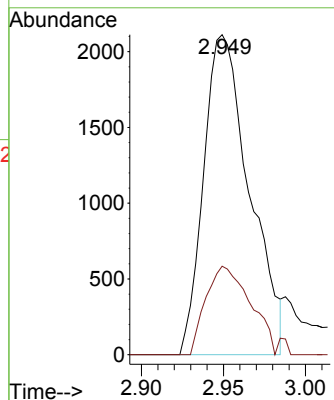
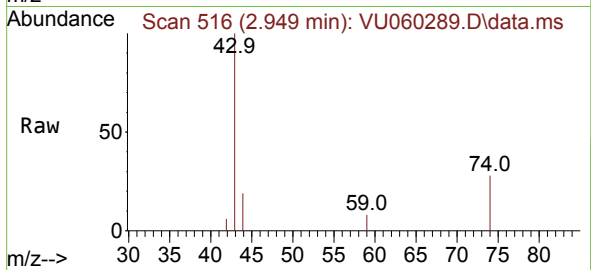
#15
Methyl Acetate
Concen: 2.673 ug/L
RT: 2.949 min Scan# 513
Delta R.T. 0.010 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-06

Tgt Ion: 43 Resp: 4100
Ion Ratio Lower Upper
43 100
74 26.9 24.1 36.1

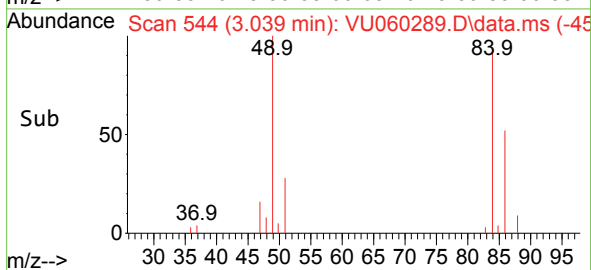
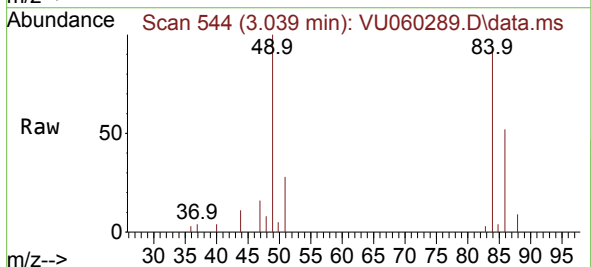
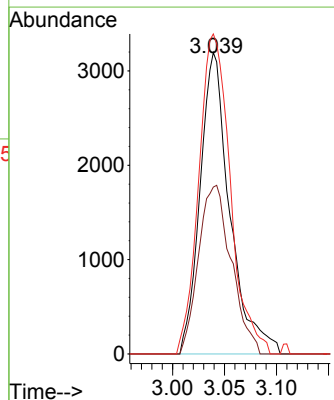
Manual Integrations
APPROVED

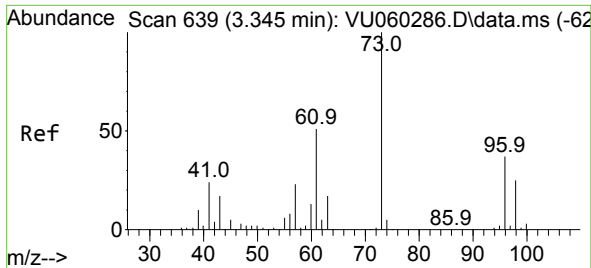
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#16
Methylene chloride
Concen: 3.850 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

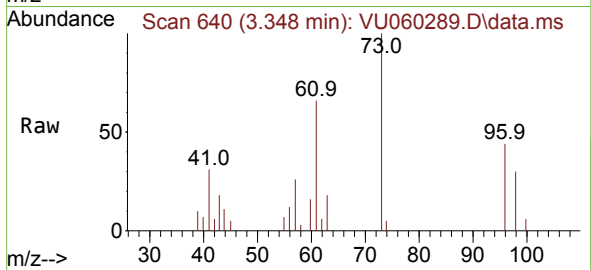
Tgt Ion: 84 Resp: 6374
Ion Ratio Lower Upper
84 100
86 55.4 44.7 83.1
49 106.2 71.6 133.0





#17
trans-1,2-Dichloroethene
Concen: 2.246 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

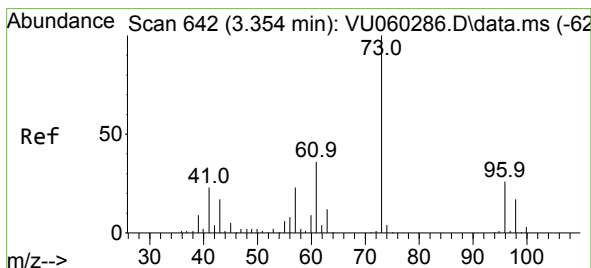
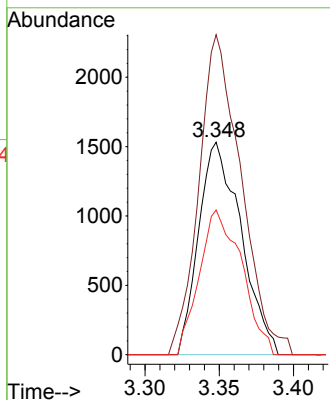
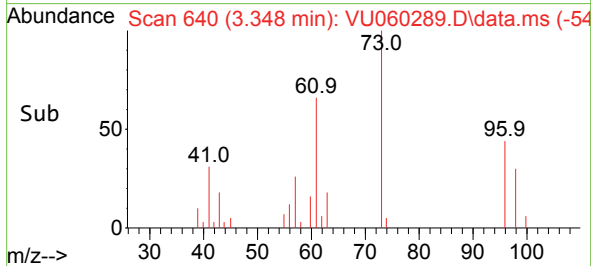
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-06



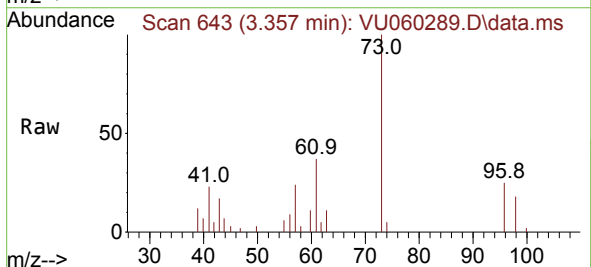
Tgt Ion: 96 Resp: 3030
Ion Ratio Lower Upper
96 100
61 150.6 90.6 168.3
98 68.1 44.9 83.3

Manual Integrations
APPROVED

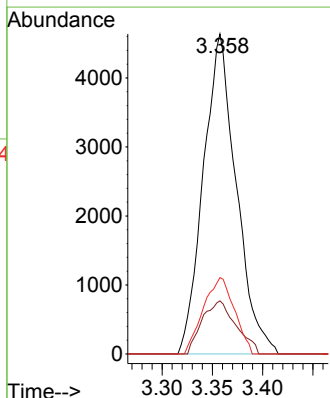
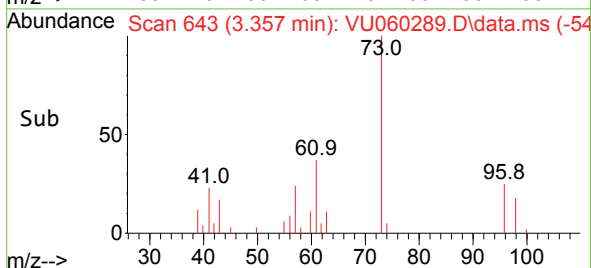
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

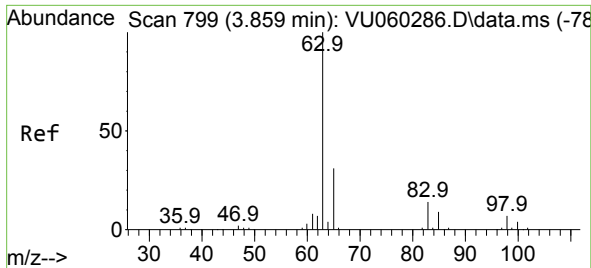


#18
Methyl tert-butyl Ether
Concen: 2.402 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52



Tgt Ion: 73 Resp: 10546
Ion Ratio Lower Upper
73 100
43 17.1 14.1 21.1
57 22.5 17.1 25.7





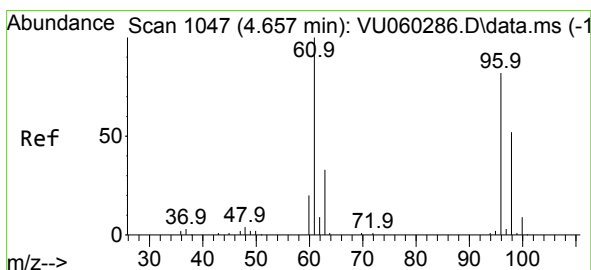
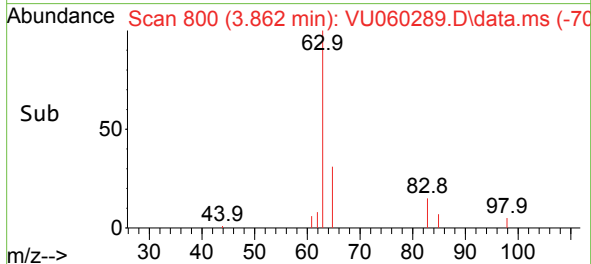
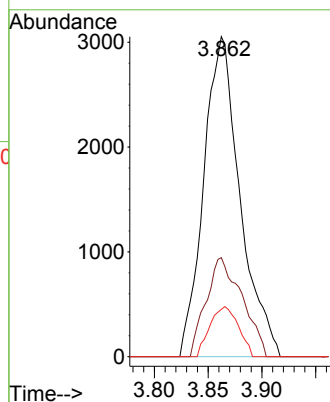
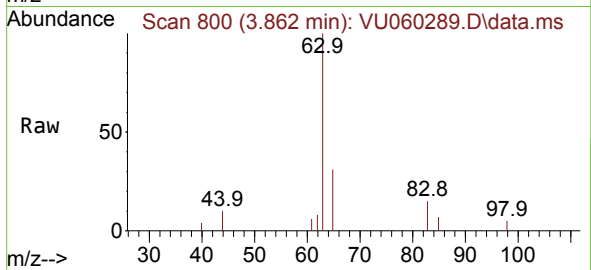
#19
1,1-Dichloroethane
Concen: 2.792 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06

Tgt Ion: 63 Resp: 715
Ion Ratio Lower Upper
63 100
65 31.0 23.3 43.3
83 14.8 9.8 18.2

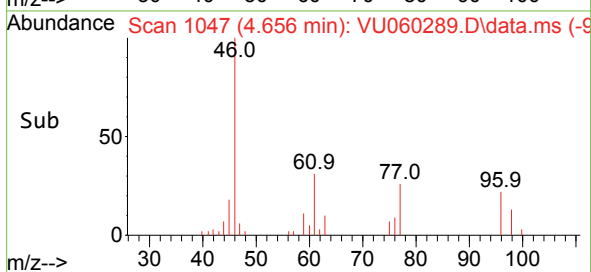
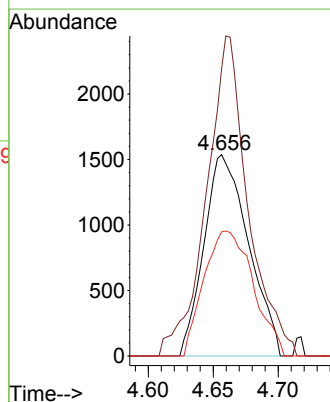
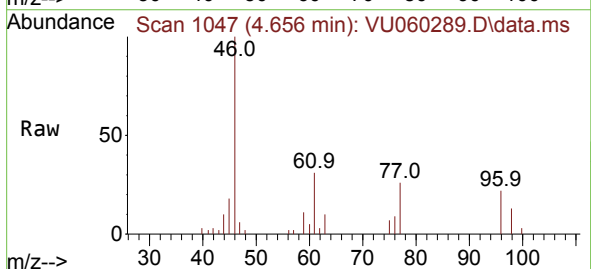
Manual Integrations
APPROVED

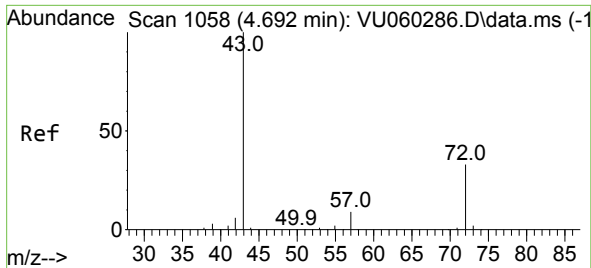
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#20
cis-1,2-Dichloroethene
Concen: 2.240 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

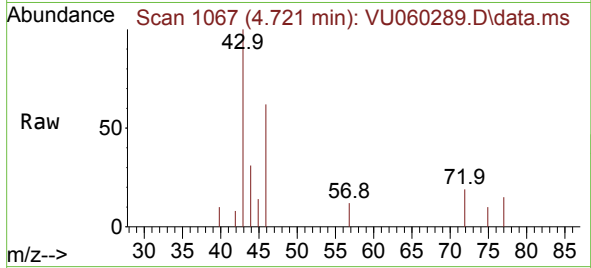
Tgt Ion: 96 Resp: 3667
Ion Ratio Lower Upper
96 100
61 142.7 83.2 154.4
98 61.7 45.9 85.3





#22
2-Butanone
Concen: 5.587 ug/L m
RT: 4.721 min Scan# 1067
Delta R.T. 0.029 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

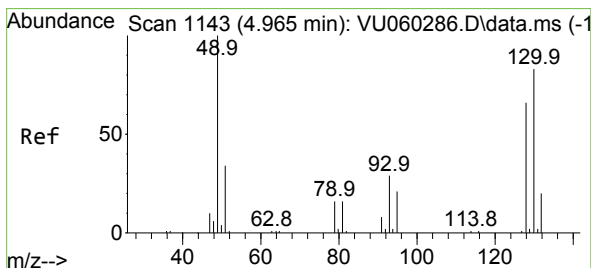
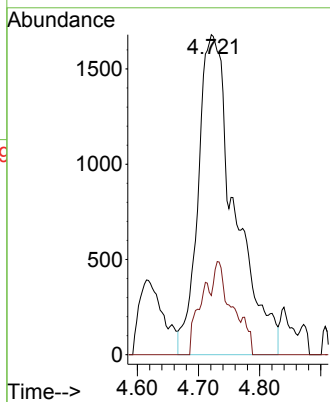
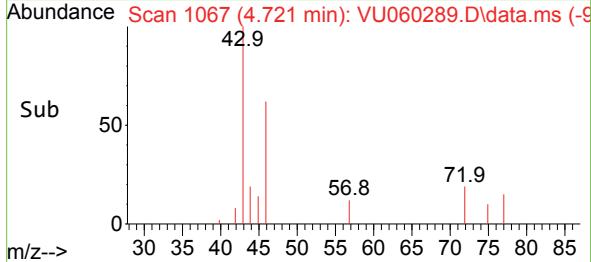
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion: 43 Resp: 6994
Ion Ratio Lower Upper
43 100
72 0.6 16.4 49.2

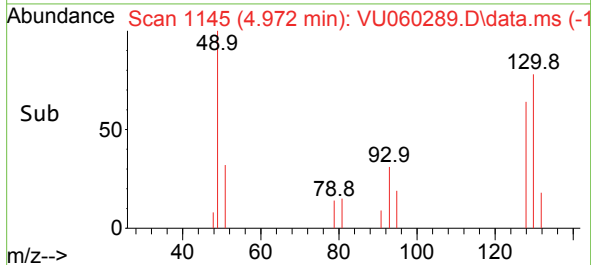
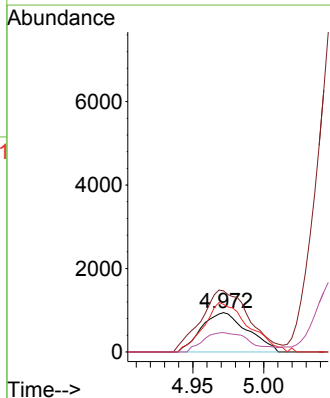
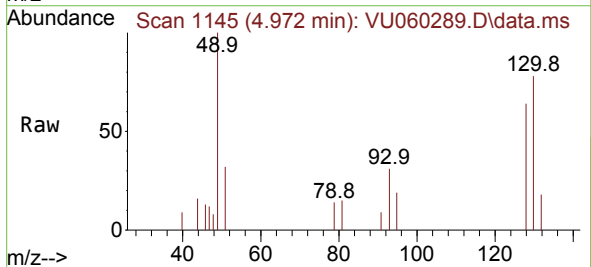
Manual Integrations
APPROVED

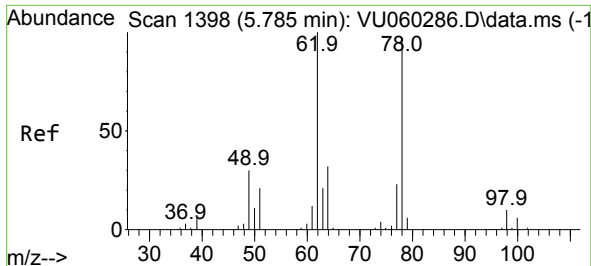
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#23
Bromochloromethane
Concen: 2.473 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion:128 Resp: 2135
Ion Ratio Lower Upper
128 100
49 155.2 96.7 179.7
130 121.3 86.3 160.3
51 49.1 34.1 51.1





#27

1,2-Dichloroethane

Concen: 2.766 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.006 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

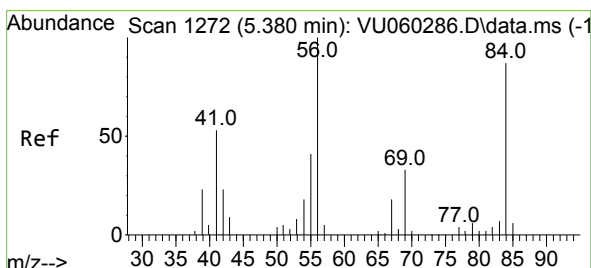
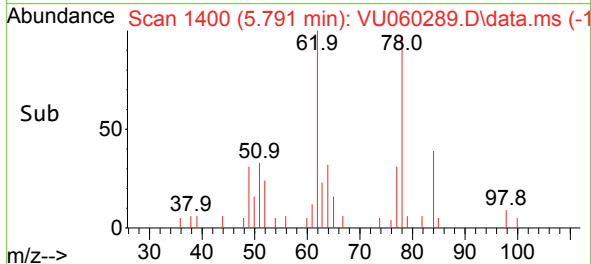
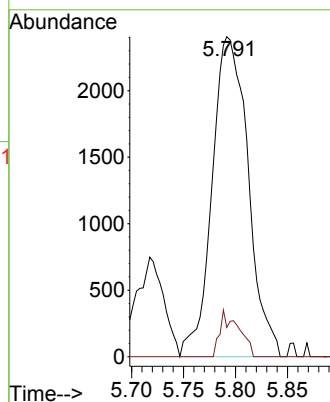
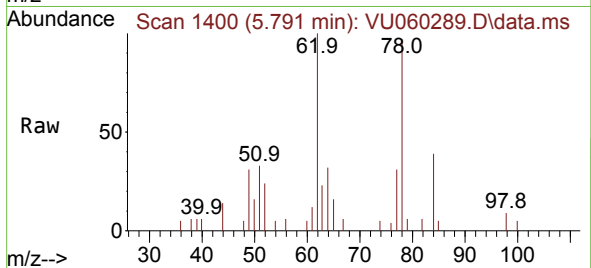
MDL-WATER-QT3-2024-06

Tgt Ion: 62 Resp: 579
 Ion Ratio Lower Upper
 62 100
 98 9.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024



#29

Cyclohexane

Concen: 1.927 ug/L

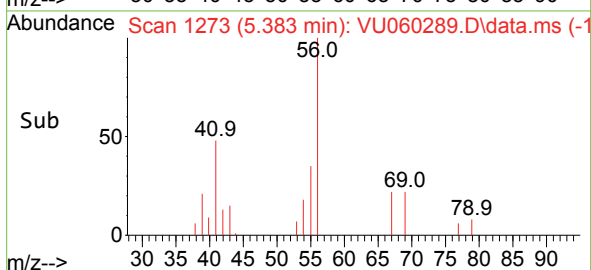
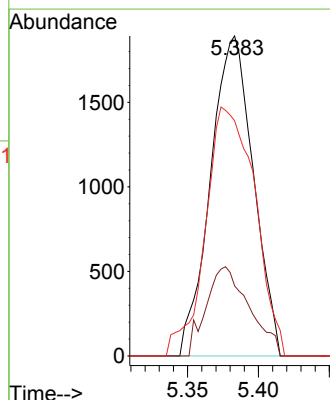
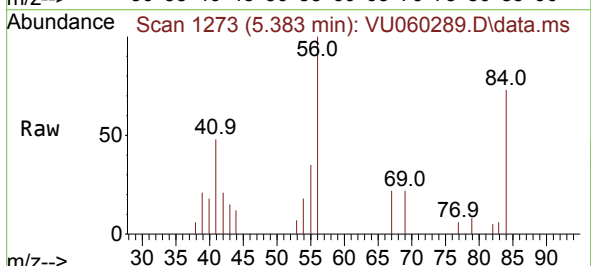
RT: 5.383 min Scan# 1273

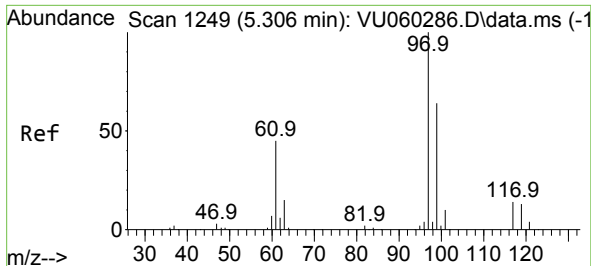
Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

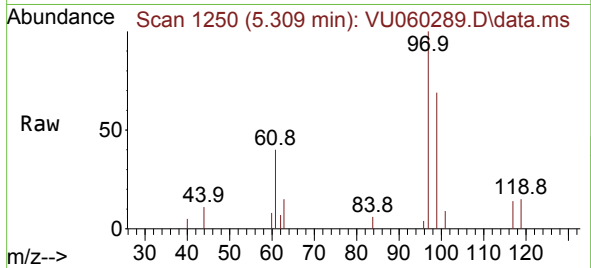
Tgt Ion: 56 Resp: 3981
 Ion Ratio Lower Upper
 56 100
 69 19.8 26.0 39.0#
 84 89.7 75.5 113.3





#30
1,1,1-Trichloroethane
Concen: 2.346 ug/L
RT: 5.309 min Scan# 1315
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

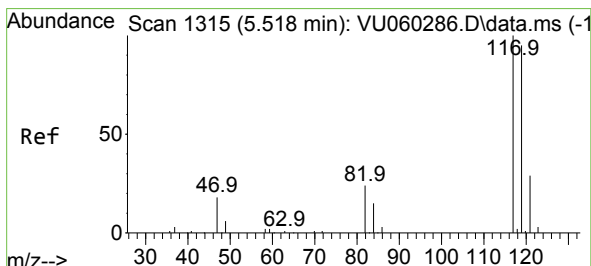
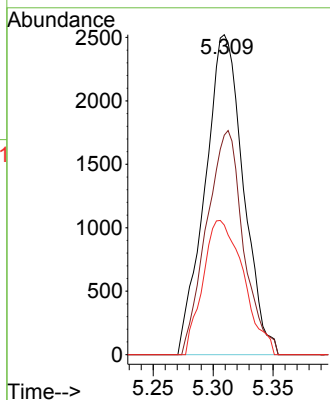
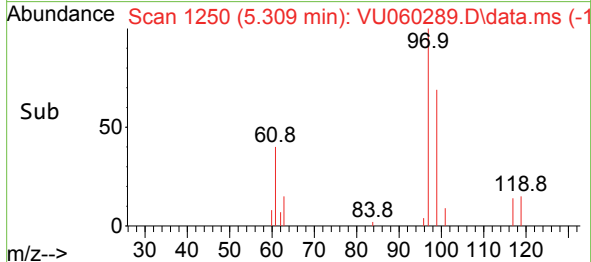
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion: 97 Resp: 560
Ion Ratio Lower Upper
97 100
99 67.5 52.2 78.2
61 44.3 35.2 52.8

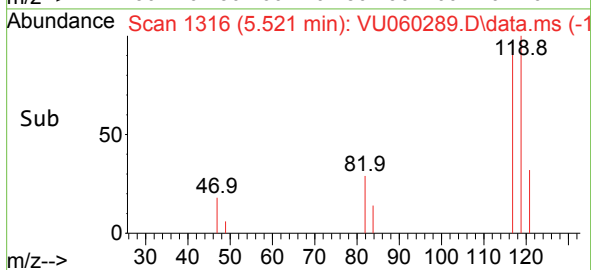
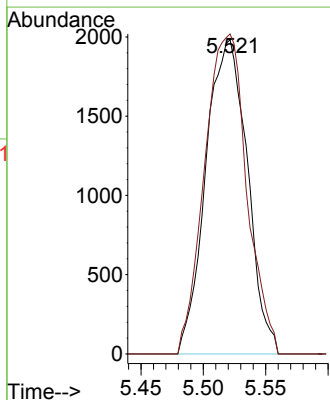
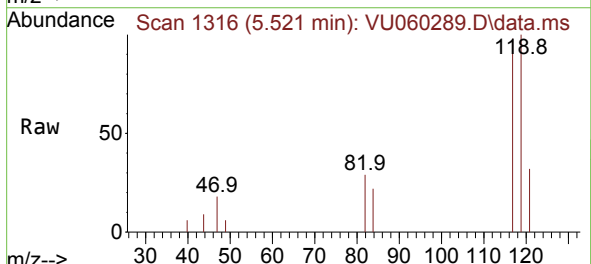
Manual Integrations
APPROVED

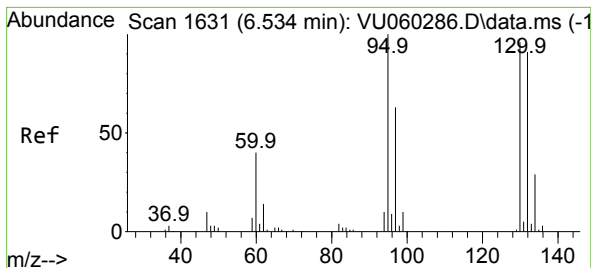
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#31
Carbon tetrachloride
Concen: 2.321 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion:117 Resp: 4583
Ion Ratio Lower Upper
117 100
119 104.0 77.6 116.4





#34

Trichloroethene

Concen: 2.393 ug/L

RT: 6.544 min Scan# 1

Delta R.T. 0.010 min

Lab File: VU060289.D

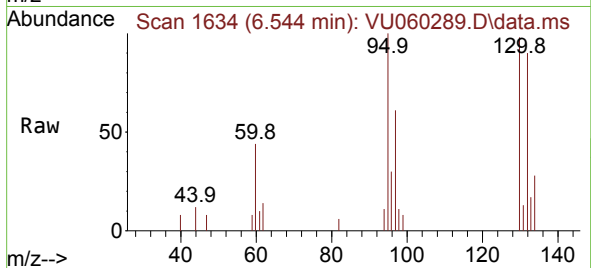
Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06



Tgt Ion: 95 Resp: 3979

Ion Ratio Lower Upper

95 100

97 61.4 45.8 85.2

132 90.0 69.8 129.6

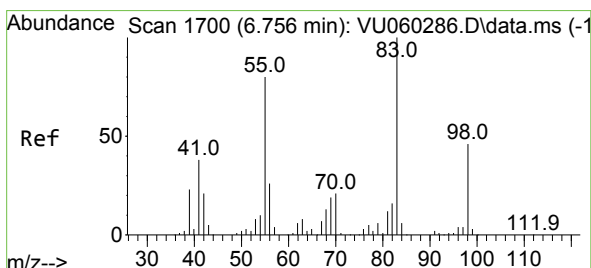
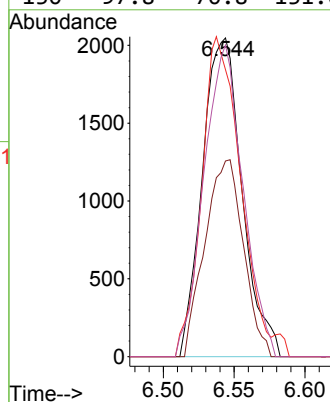
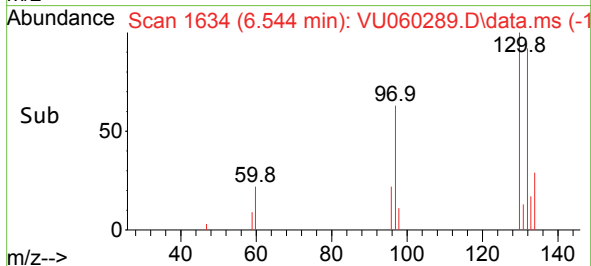
130 97.8 70.8 131.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024

Supervised By :Semsettin Yesilyurt 08/03/2024



#35

Methylcyclohexane

Concen: 1.964 ug/L m

RT: 6.759 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

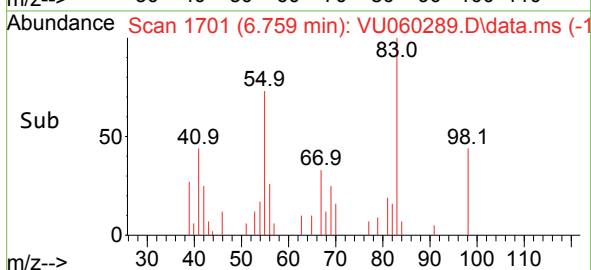
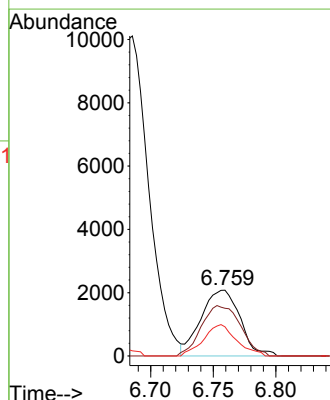
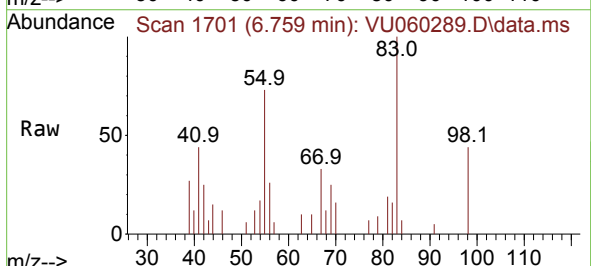
Tgt Ion: 83 Resp: 4510

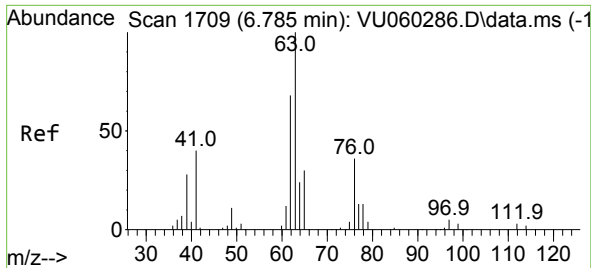
Ion Ratio Lower Upper

83 100

55 76.9 56.8 85.2

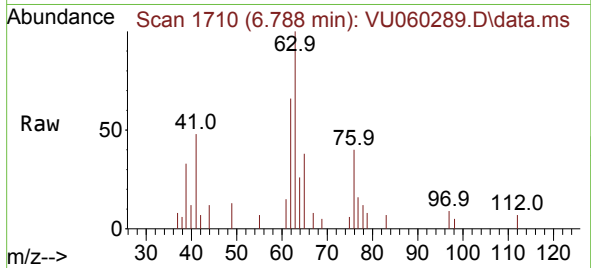
98 40.2 36.5 54.7





#37
1,2-Dichloropropane
Concen: 2.759 ug/L
RT: 6.788 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

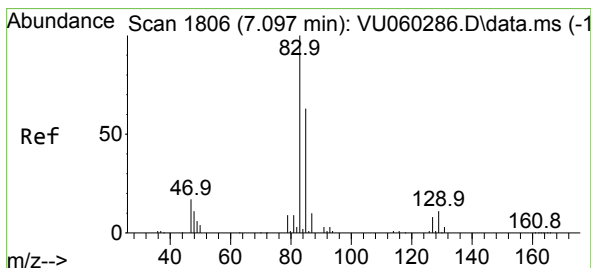
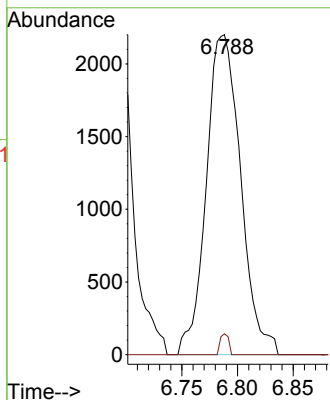
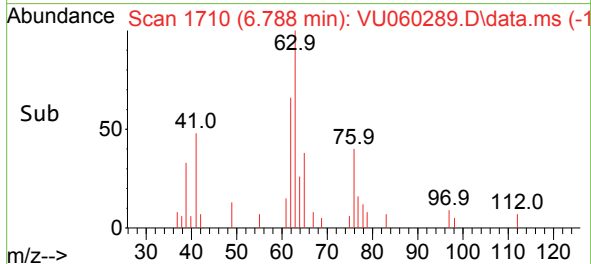
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion: 63 Resp: 4732
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.6

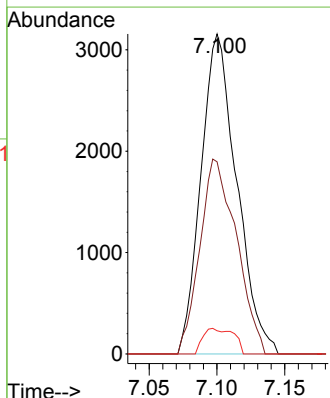
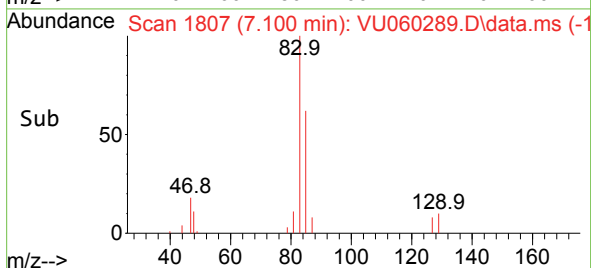
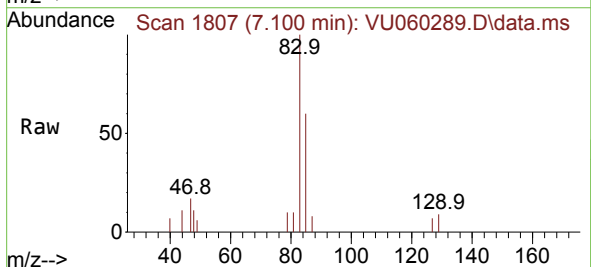
Manual Integrations
APPROVED

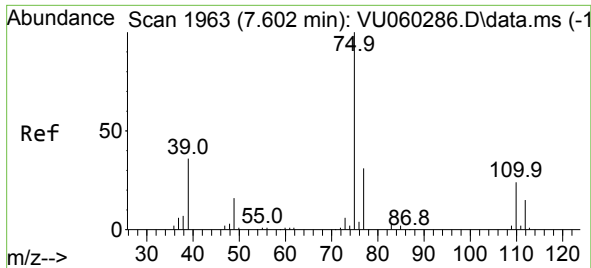
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#38
Bromodichloromethane
Concen: 2.662 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

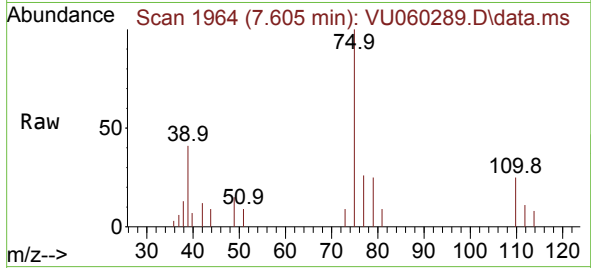
Tgt Ion: 83 Resp: 5785
Ion Ratio Lower Upper
83 100
85 60.0 45.0 83.6
127 7.3 7.4 11.2#





#39
cis-1,3-Dichloropropene
Concen: 2.436 ug/L
RT: 7.605 min Scan# 1963
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

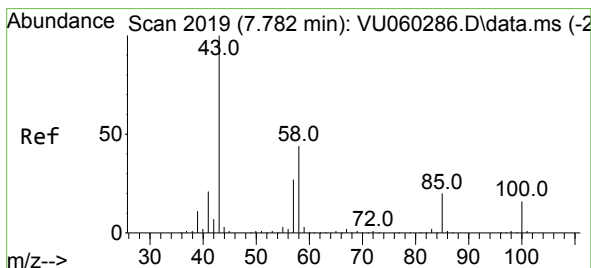
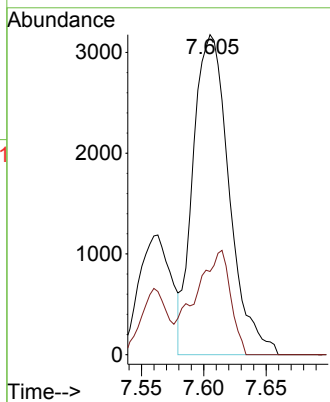
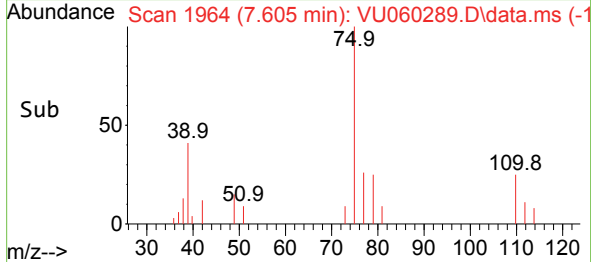
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion: 75 Resp: 639
Ion Ratio Lower Upper
75 100
77 26.0 21.6 40.2

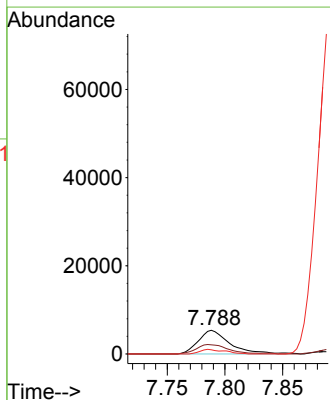
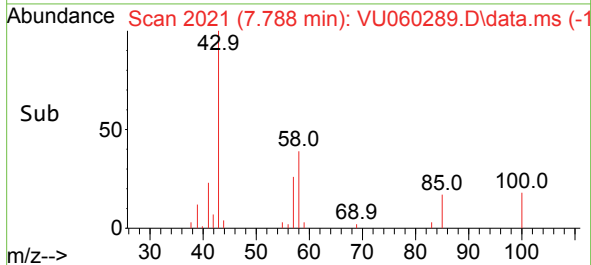
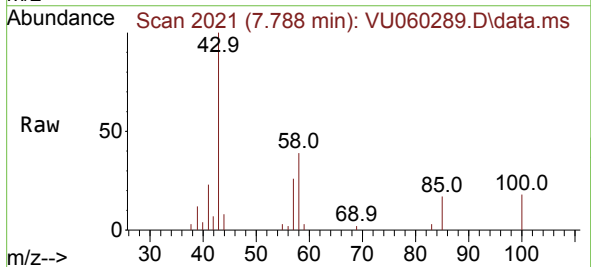
Manual Integrations
APPROVED

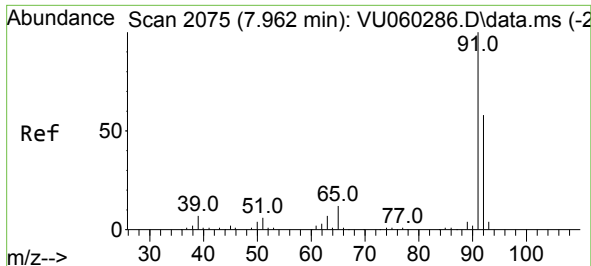
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#40
4-Methyl-2-pentanone
Concen: 4.649 ug/L
RT: 7.788 min Scan# 2021
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion: 43 Resp: 10077
Ion Ratio Lower Upper
43 100
58 40.7 35.3 52.9
100 10.4 14.6 22.0





#42

Toluene

Concen: 2.223 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

Tgt Ion: 91 Resp: 15120

Ion Ratio Lower Upper

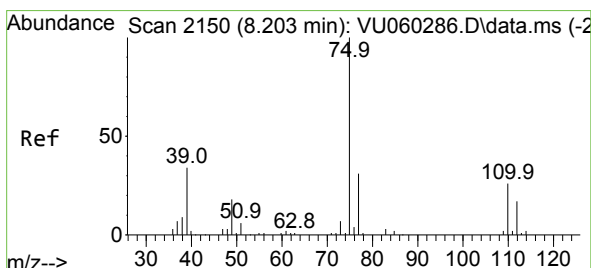
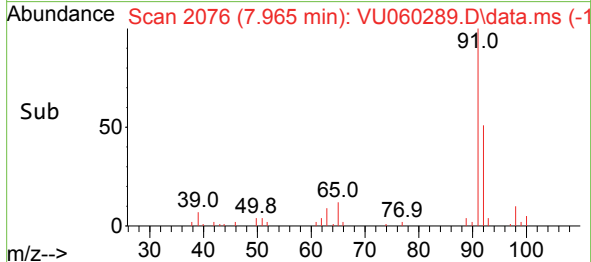
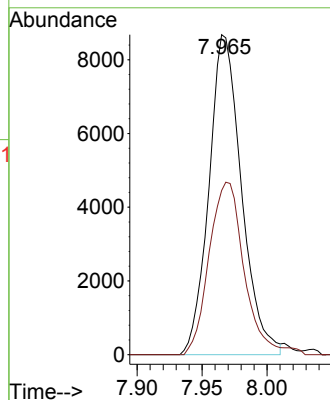
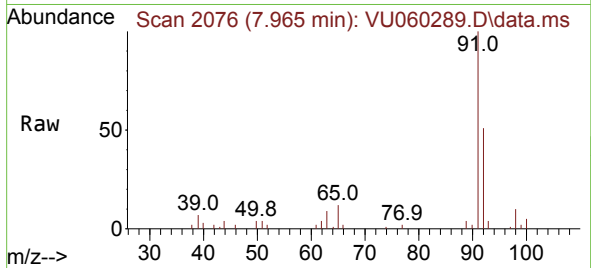
91 100

92 51.3 39.3 72.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#44

trans-1,3-Dichloropropene

Concen: 2.546 ug/L m

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU060289.D

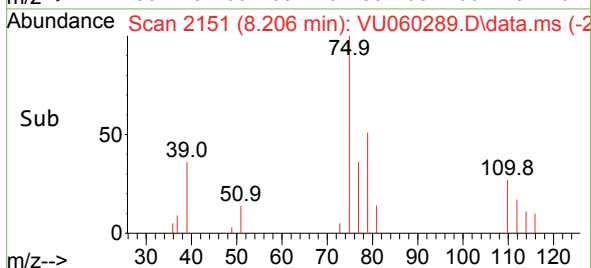
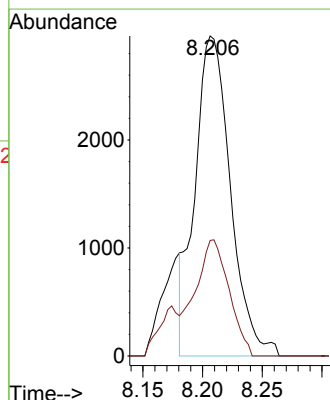
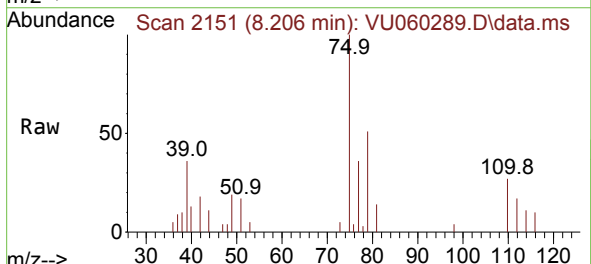
Acq: 01 Aug 2024 10:52

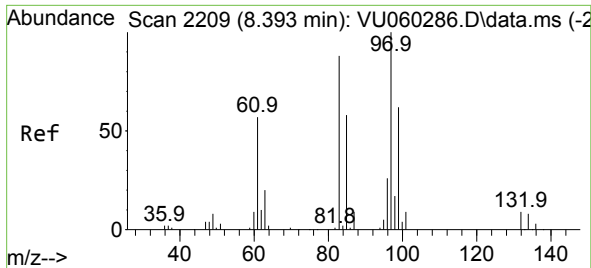
Tgt Ion: 75 Resp: 6137

Ion Ratio Lower Upper

75 100

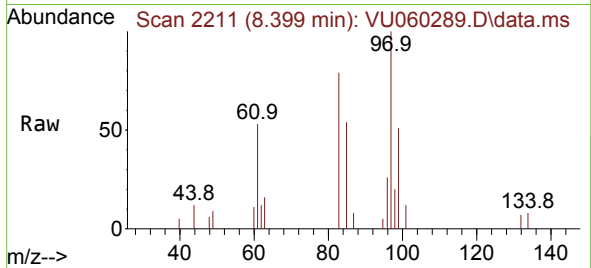
77 36.1 21.7 40.3





#45
1,1,2-Trichloroethane
Concen: 2.781 ug/L
RT: 8.399 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

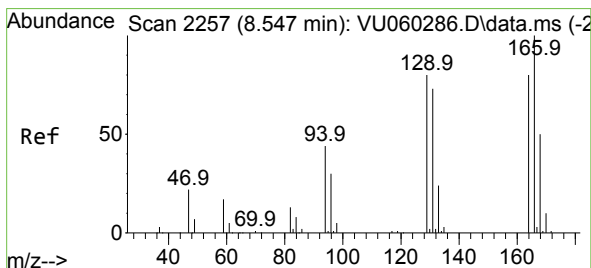
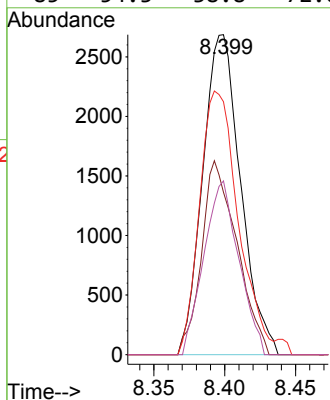
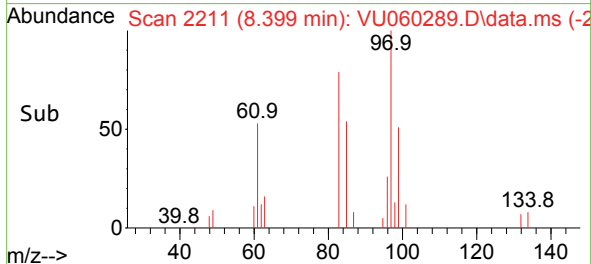
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



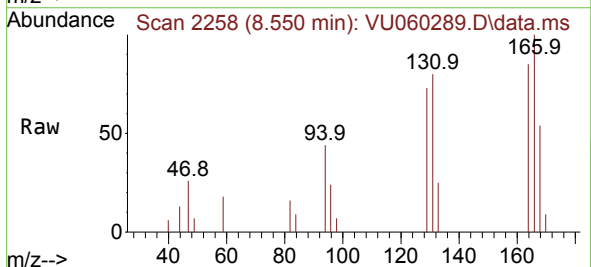
Tgt Ion:	97	Resp:	499
Ion Ratio	100	Lower	Upper
97	100		
99	50.7	43.1	80.1
83	79.0	60.4	112.2
85	54.3	38.8	72.0

Manual Integrations
APPROVED

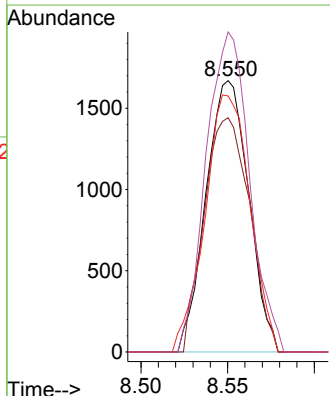
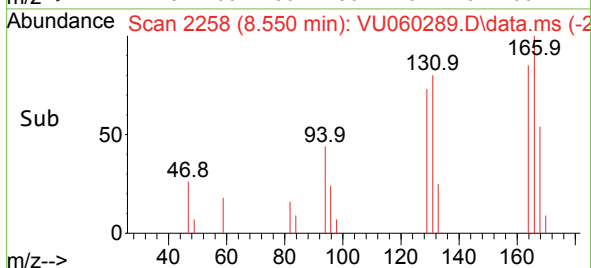
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

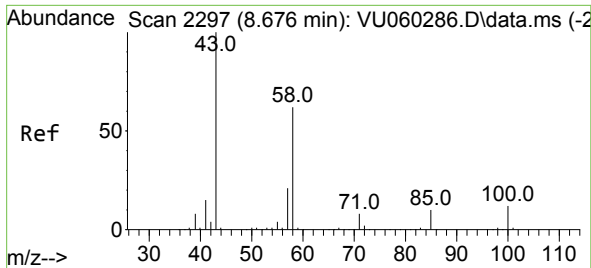


#46
Tetrachloroethene
Concen: 2.092 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52



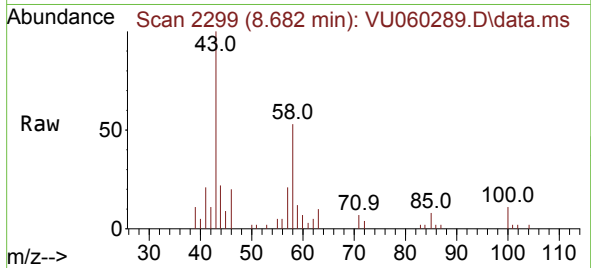
Tgt Ion:	164	Resp:	2861
Ion Ratio	100	Lower	Upper
164	100		
129	86.3	62.7	116.5
131	94.3	62.3	115.7
166	117.9	88.9	165.1





#48
2-Hexanone
Concen: 8.232 ug/L m
RT: 8.682 min Scan# 2299
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

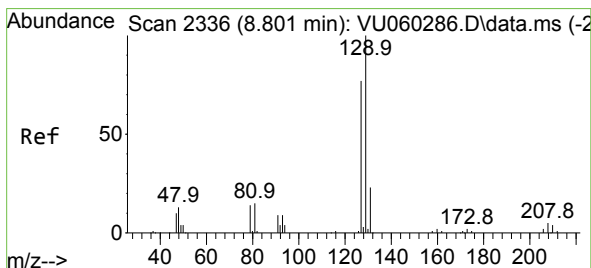
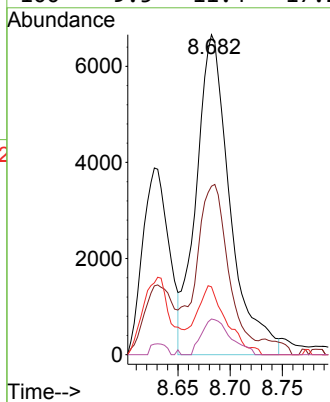
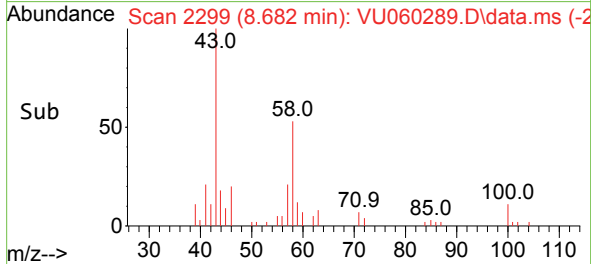
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion: 43 Resp: 1493
Ion Ratio Lower Upper
43 100
58 41.9 49.0 73.6
57 15.7 16.7 25.1
100 9.5 11.4 17.2

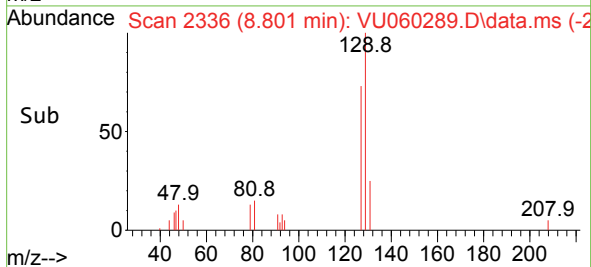
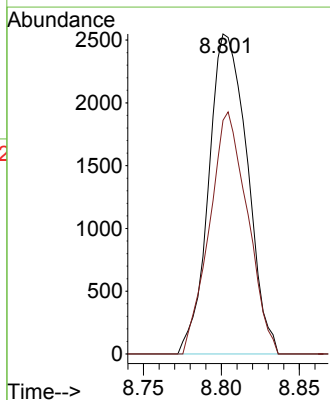
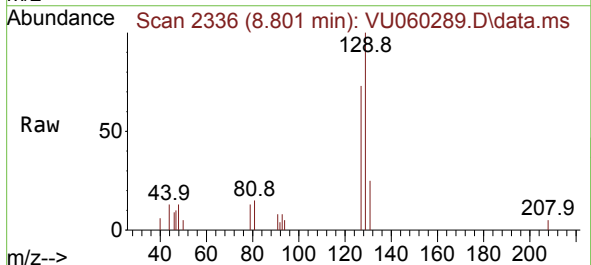
Manual Integrations
APPROVED

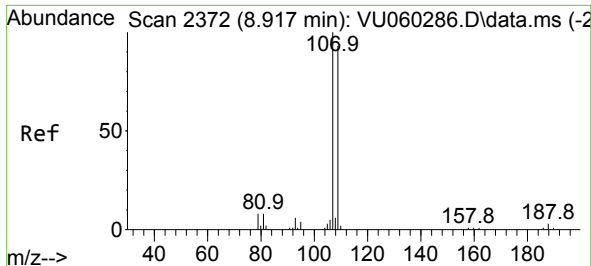
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#49
Dibromochloromethane
Concen: 2.474 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

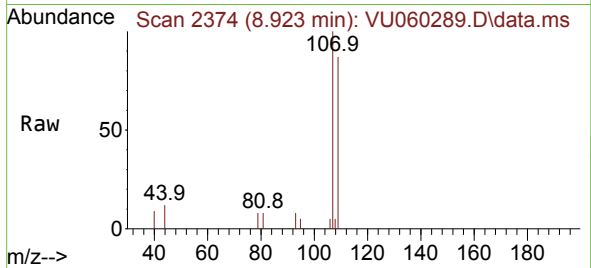
Tgt Ion:129 Resp: 4378
Ion Ratio Lower Upper
129 100
127 73.0 54.0 100.2





#50
1,2-Dibromoethane
Concen: 2.310 ug/L
RT: 8.923 min Scan# 2372
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

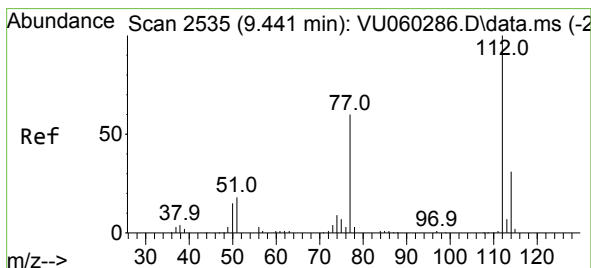
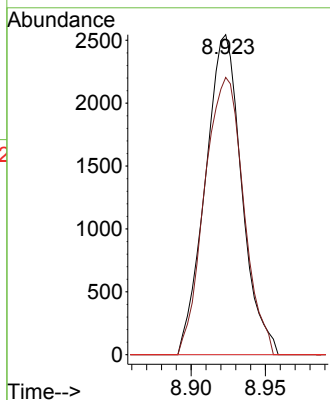
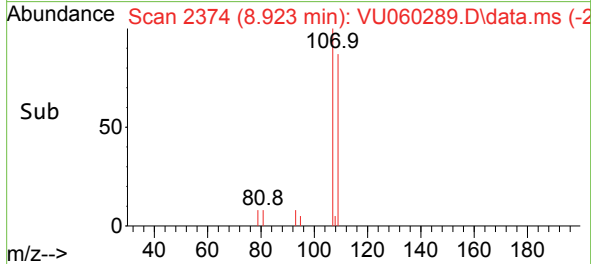
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-06



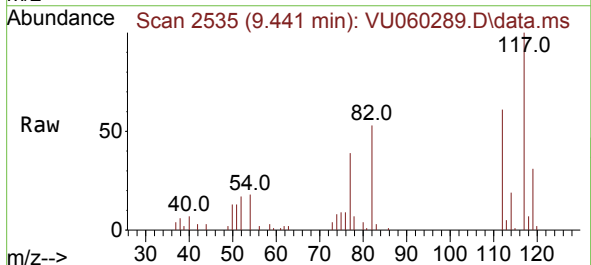
Tgt Ion:107 Resp: 4338
Ion Ratio Lower Upper
107 100
109 86.6 65.5 121.6
188 0.0 3.0 4.4

Manual Integrations
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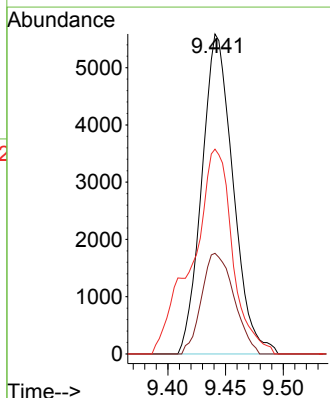
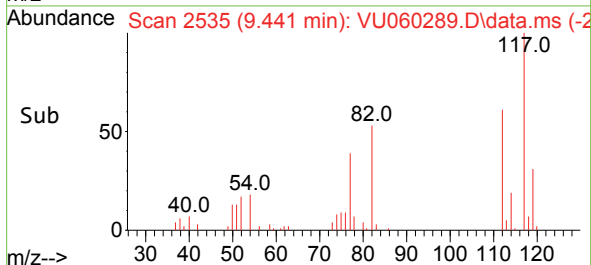
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

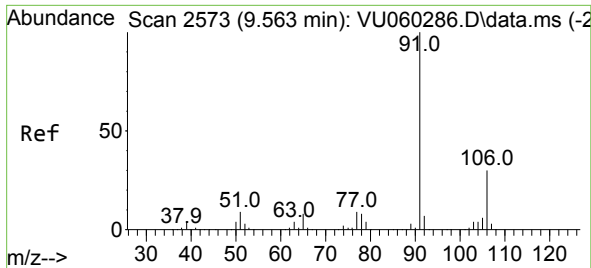


#51
Chlorobenzene
Concen: 2.330 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52



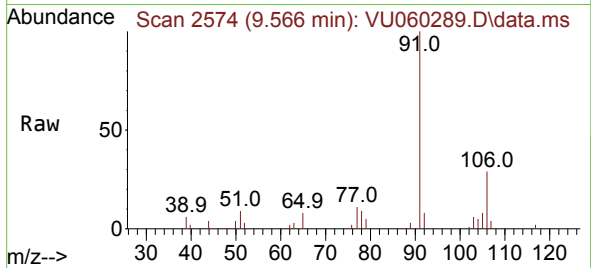
Tgt Ion:112 Resp: 10520
Ion Ratio Lower Upper
112 100
114 31.4 22.7 42.3
77 64.0 45.8 68.6





#52
Ethylbenzene
Concen: 2.079 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

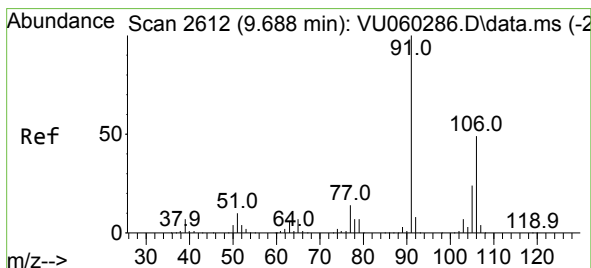
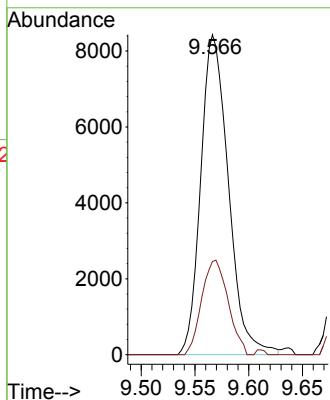
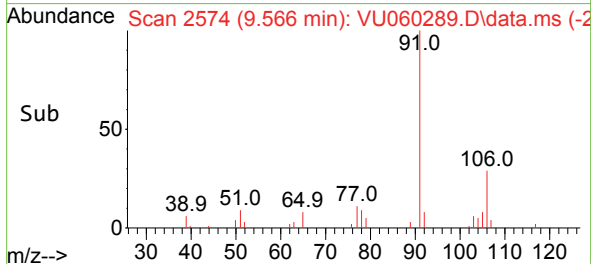
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion: 91 Resp: 1510
Ion Ratio Lower Upper
91 100
106 32.7 22.4 41.6

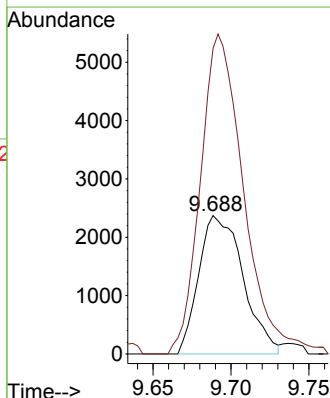
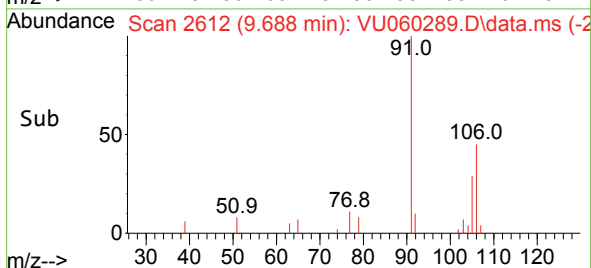
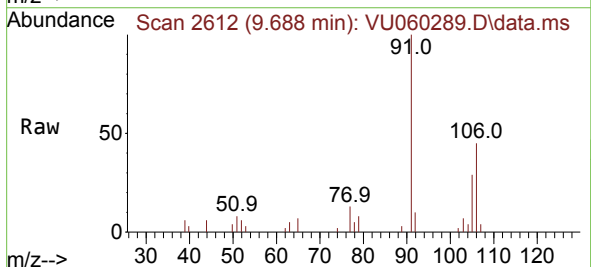
Manual Integrations
APPROVED

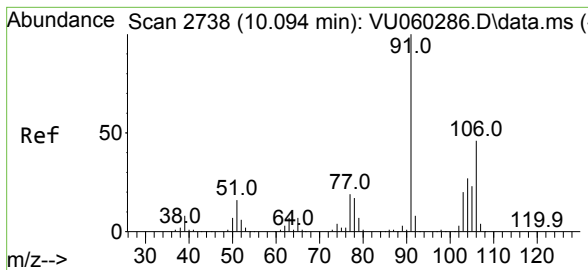
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#53
m,p-Xylene
Concen: 1.657 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

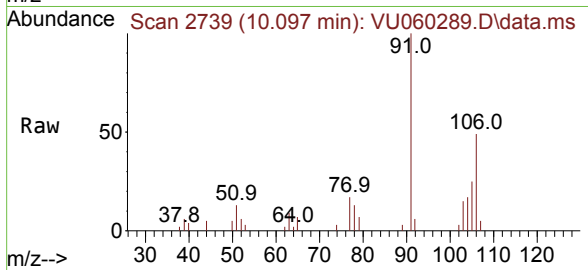
Tgt Ion:106 Resp: 4687
Ion Ratio Lower Upper
106 100
91 220.9 140.9 261.7





#54
o-Xylene
Concen: 1.773 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

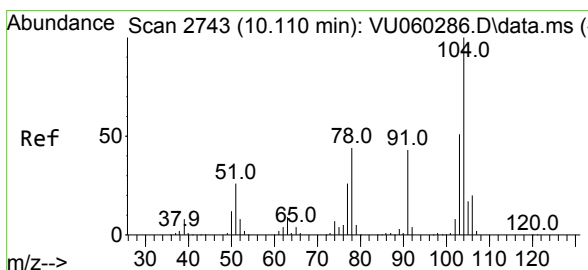
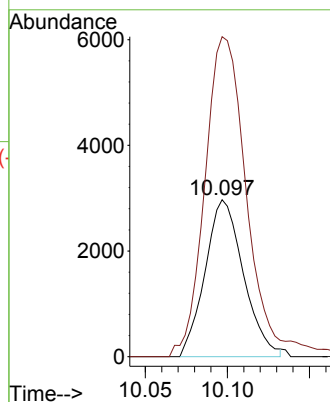
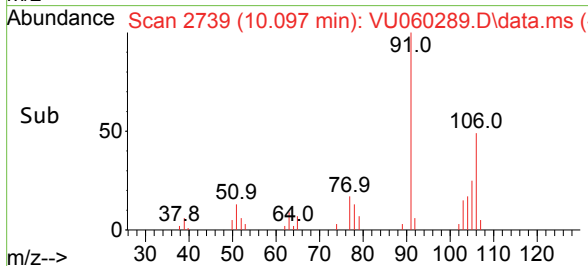
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



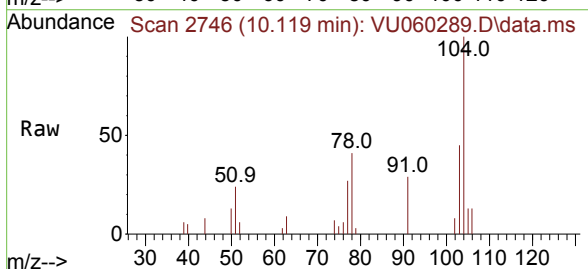
Tgt Ion:106 Resp: 482
Ion Ratio Lower Upper
106 100
91 203.9 147.4 273.8

Manual Integrations
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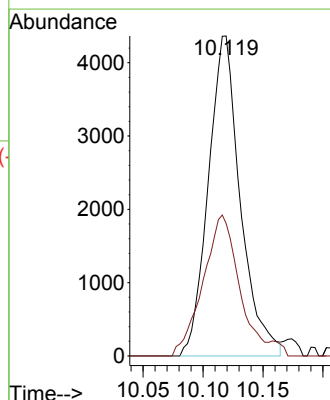
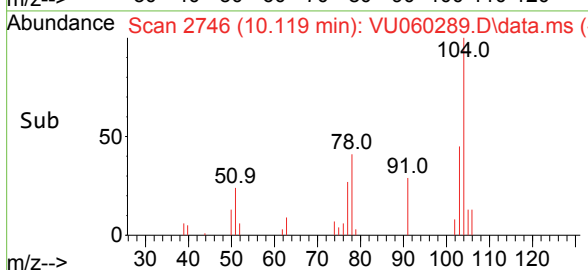
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

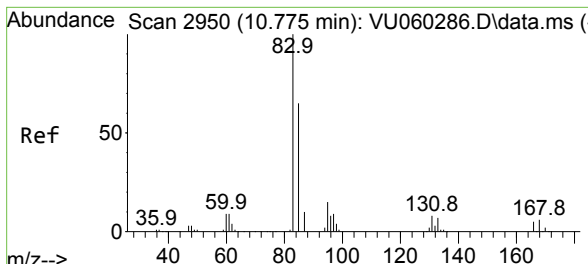


#55
Styrene
Concen: 1.765 ug/L
RT: 10.119 min Scan# 2746
Delta R.T. 0.010 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52



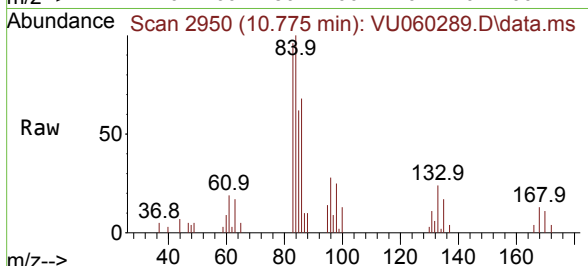
Tgt Ion:104 Resp: 8098
Ion Ratio Lower Upper
104 100
78 41.4 30.9 57.5





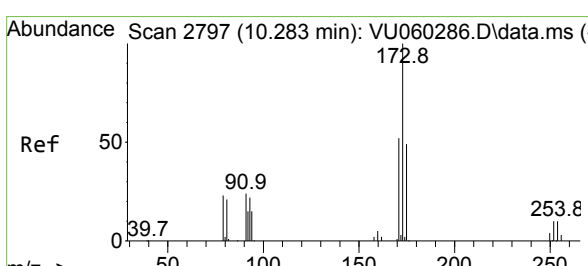
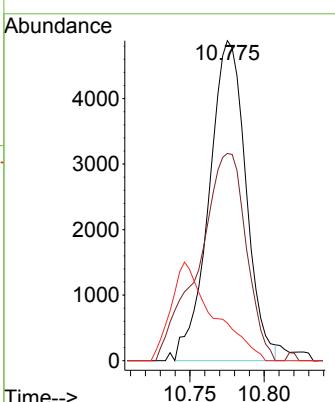
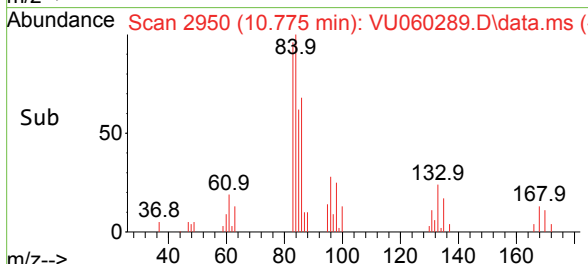
#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.778 ug/L
 RT: 10.775 min Scan# 2950
 Delta R.T. -0.000 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52

Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-QT3-2024-06

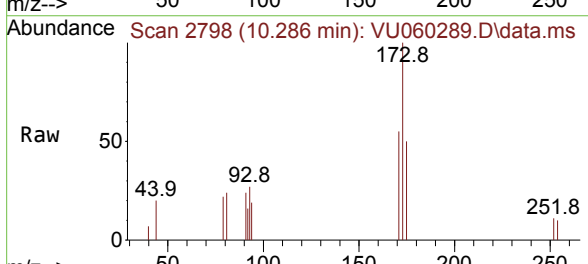


Tgt Ion:	83	Resp:	841
Ion Ratio	Lower	Upper	
83	100		
85	64.8	45.4	84.2
131	11.7	7.5	11.3

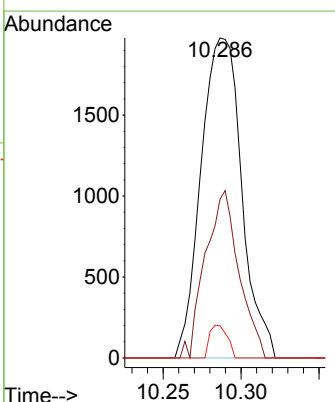
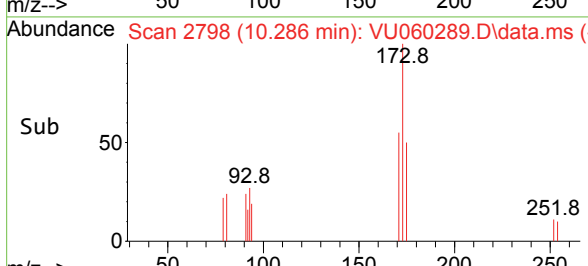
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024

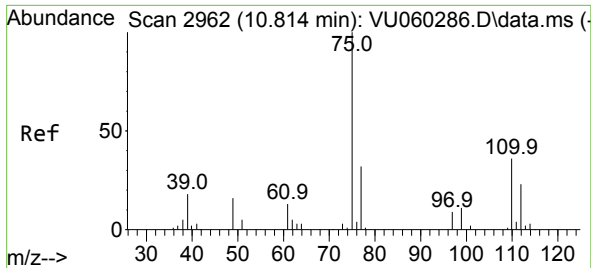


#59
 Bromoform
 Concen: 3.191 ug/L
 RT: 10.286 min Scan# 2798
 Delta R.T. 0.003 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52



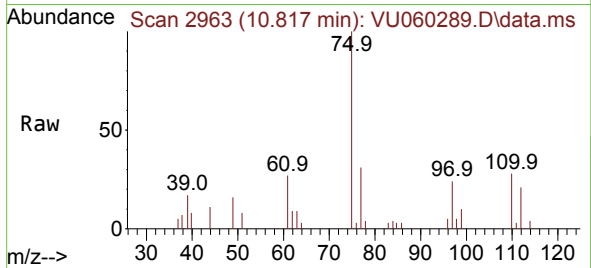
Tgt Ion:	173	Resp:	3583
Ion Ratio	Lower	Upper	
173	100		
175	42.6	39.4	59.2
254	4.4	9.0	13.4





#60
1,2,3-Trichloropropane
Concen: 3.481 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

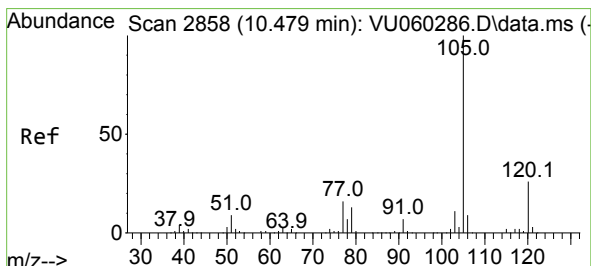
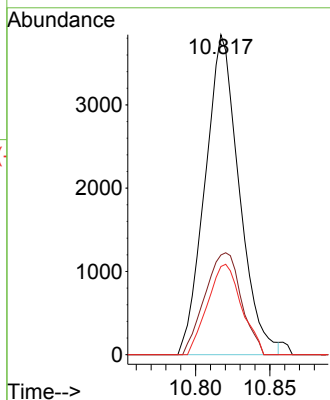
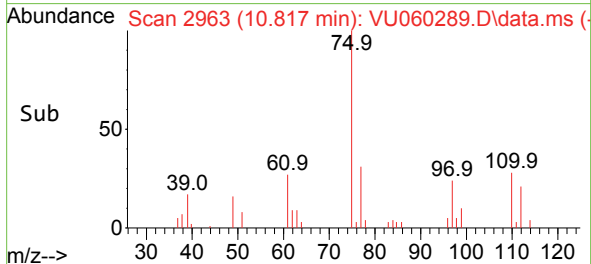
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



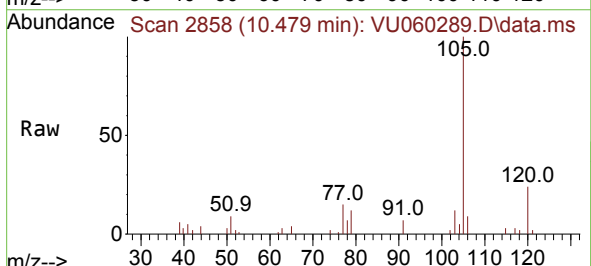
Tgt Ion: 75 Resp: 613
Ion Ratio Lower Upper
75 100
77 34.0 25.5 38.3
110 28.1 30.7 46.1

Manual Integrations
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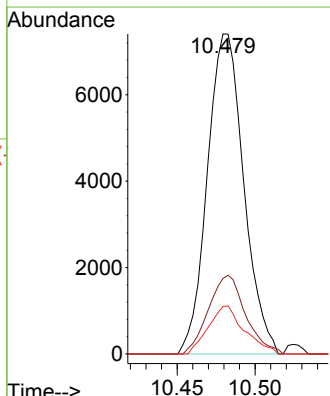
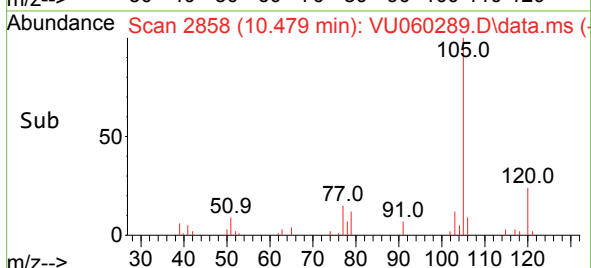
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

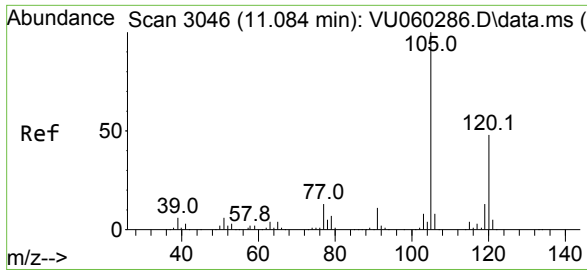


#61
Isopropylbenzene
Concen: 2.220 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52



Tgt Ion:105 Resp: 12017
Ion Ratio Lower Upper
105 100
120 25.0 20.9 31.3
77 14.8 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 1.965 ug/L

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2024-06

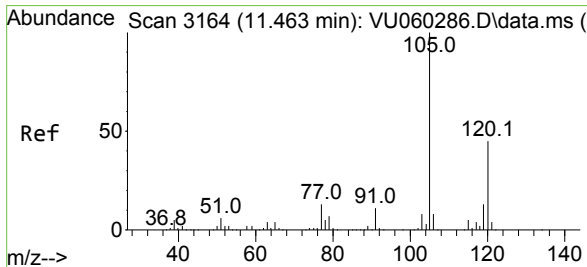
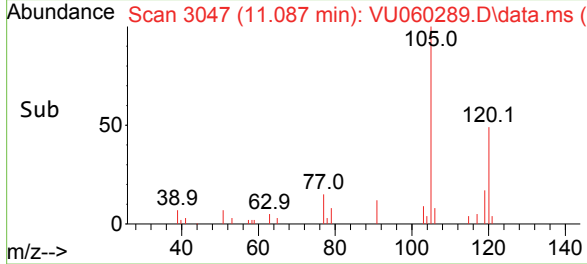
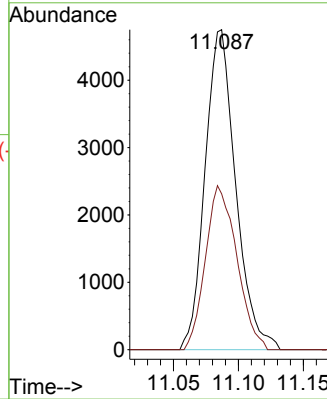
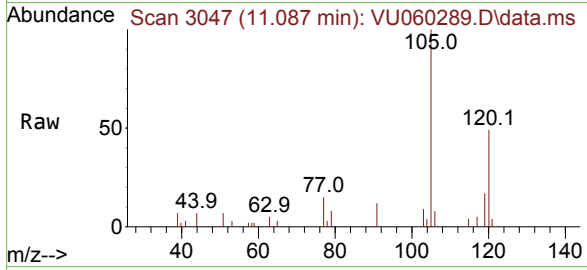
Tgt Ion:105 Resp: 7780
Ion Ratio Lower Upper
105 100
120 52.5 39.5 59.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/03/2024

Supervised By :Semsettin Yesilyurt 08/03/2024



#63

1,2,4-Trimethylbenzene

Concen: 1.788 ug/L

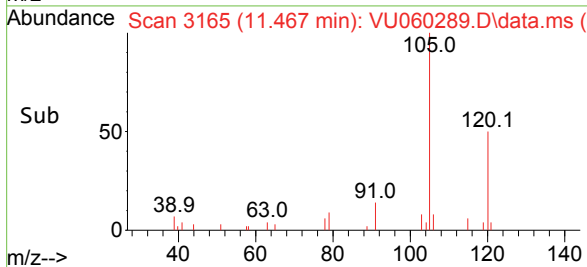
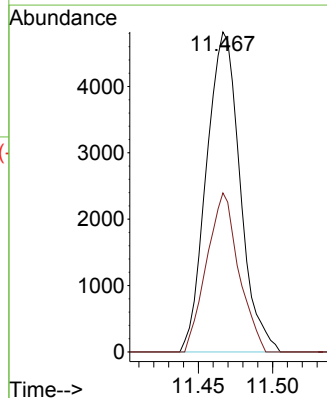
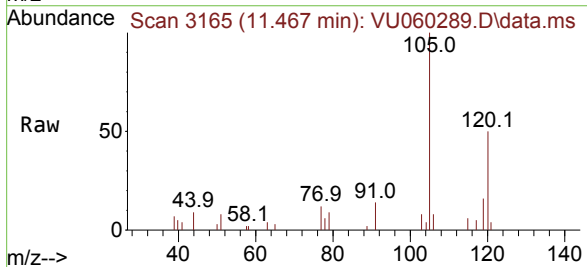
RT: 11.467 min Scan# 3165

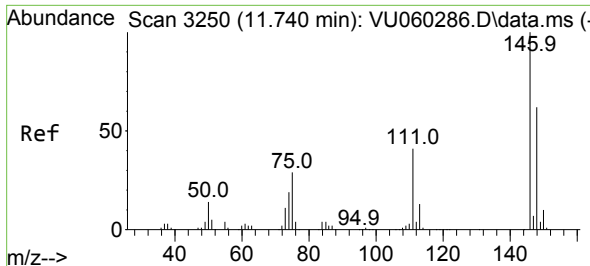
Delta R.T. 0.003 min

Lab File: VU060289.D

Acq: 01 Aug 2024 10:52

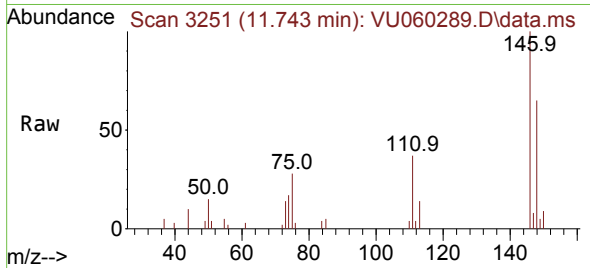
Tgt Ion:105 Resp: 7588
Ion Ratio Lower Upper
105 100
120 47.4 37.0 55.6





#64
1,3-Dichlorobenzene
Concen: 2.549 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

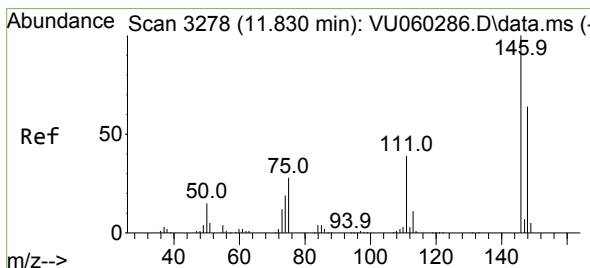
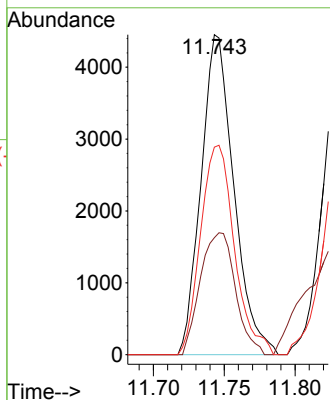
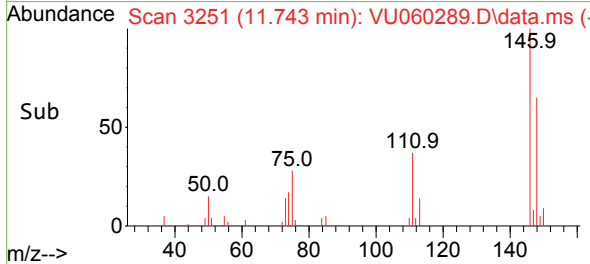
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



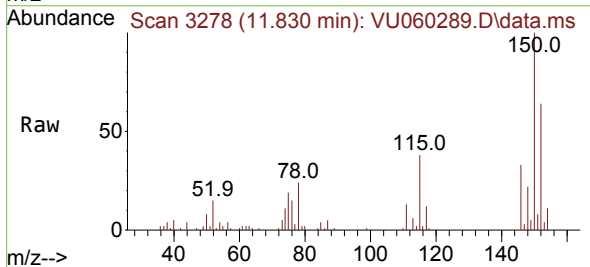
Tgt Ion:146 Resp: 715
Ion Ratio Lower Upper
146 100
111 40.1 26.5 49.1
148 64.8 43.8 81.3

Manual Integrations
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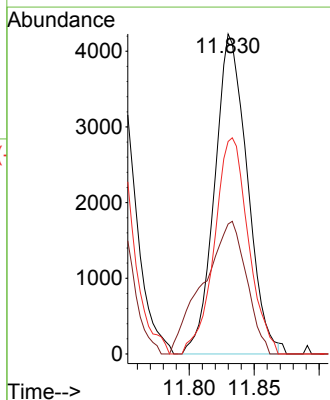
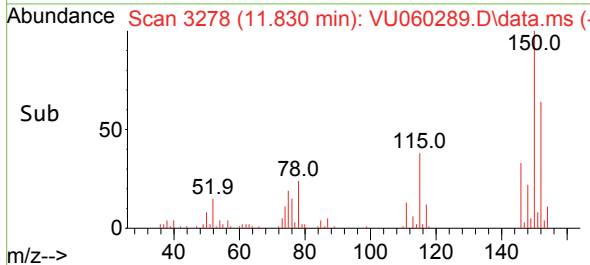
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

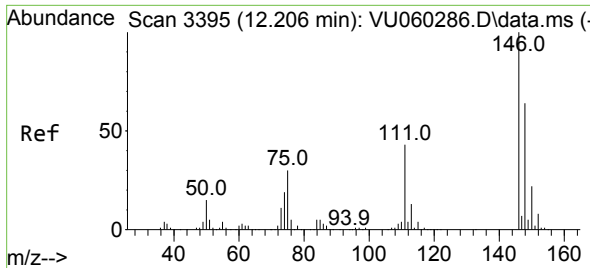


#65
1,4-Dichlorobenzene
Concen: 2.533 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52



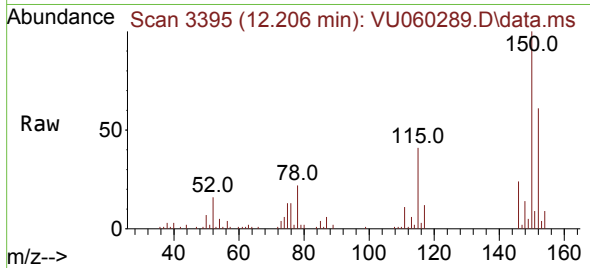
Tgt Ion:146 Resp: 7350
Ion Ratio Lower Upper
146 100
111 40.6 25.9 48.1
148 66.4 44.0 81.8





#67
1,2-Dichlorobenzene
Concen: 2.832 ug/L
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

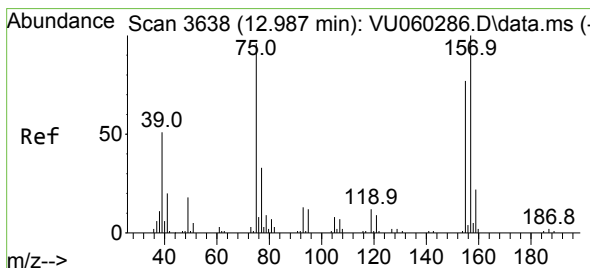
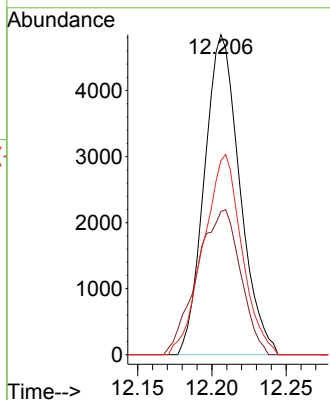
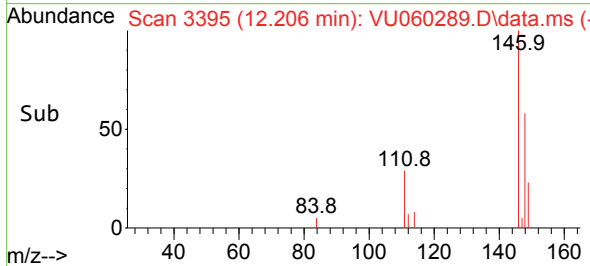
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2024-06



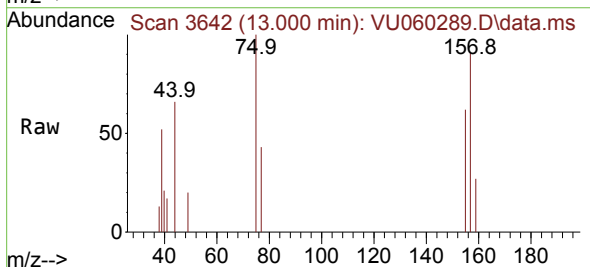
Tgt Ion:146 Resp: 8030
Ion Ratio Lower Upper
146 100
111 44.7 31.7 47.5
148 60.6 50.8 76.2

Manual Integrations
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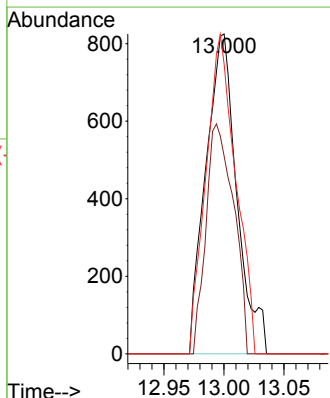
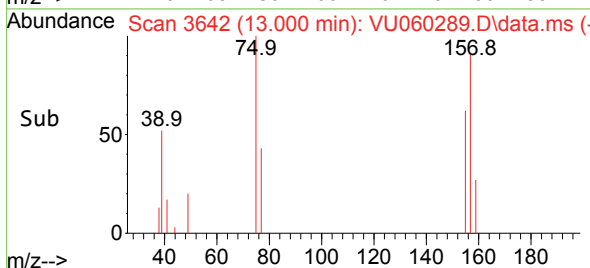
Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024

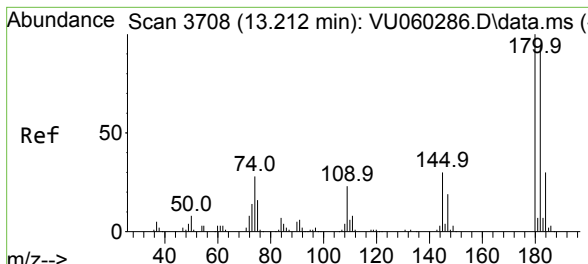


#68
1,2-Dibromo-3-chloropropane
Concen: 3.083 ug/L
RT: 13.000 min Scan# 3642
Delta R.T. 0.013 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52



Tgt Ion: 75 Resp: 1486
Ion Ratio Lower Upper
75 100
155 61.8 73.5 110.3#
157 90.7 93.5 140.3#



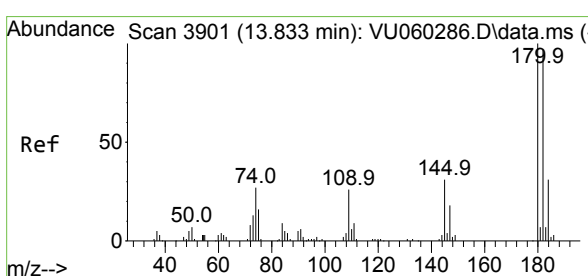
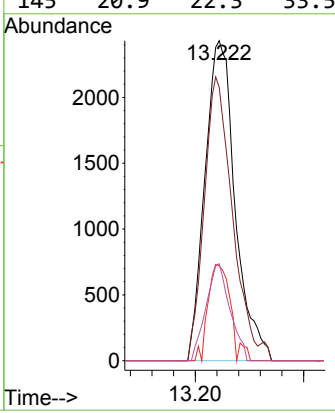
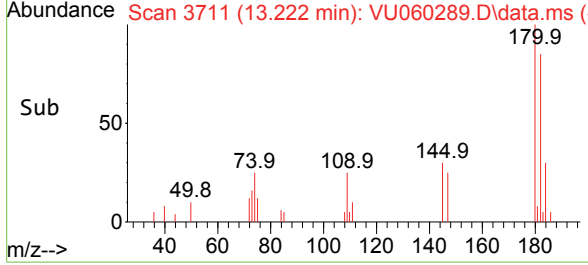
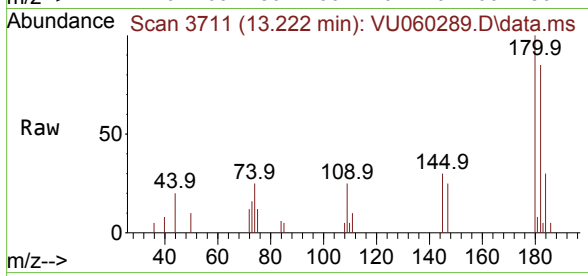


#69
 1,3,5-Trichlorobenzene
 Concen: 2.324 ug/L m
 RT: 13.222 min Scan# 3708
 Delta R.T. 0.010 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2024-06

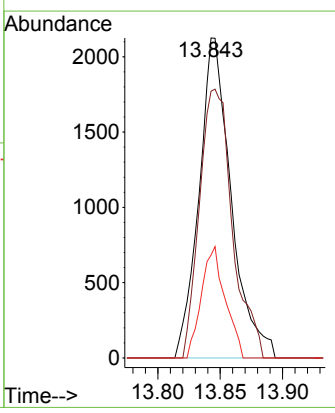
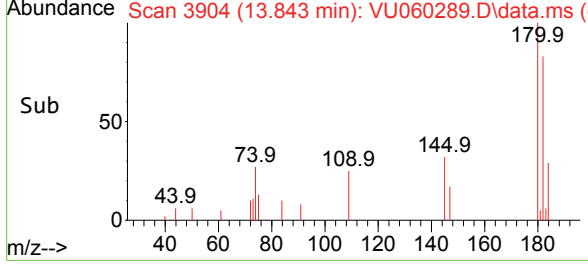
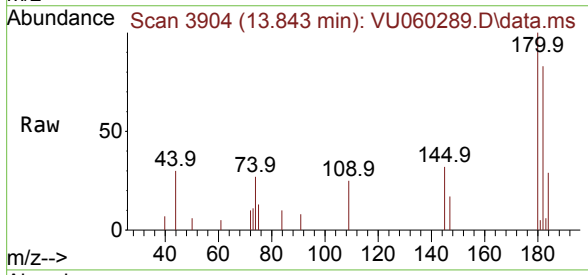
Tgt Ion:180	Resp:	470
Ion Ratio	Lower	Upper
180	100	
182	69.5	75.8 113.8
184	22.2	24.7 37.1
145	20.9	22.3 33.5

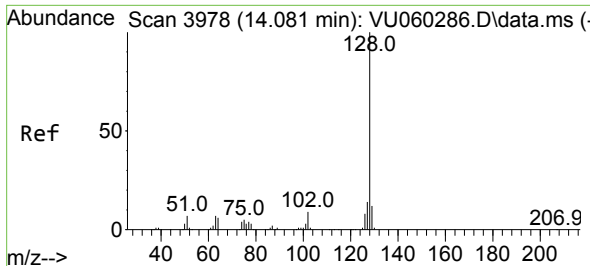
Manual Integrations
APPROVED
 Reviewed By :Mahesh Dadoda 08/03/2024
 Supervised By :Semsettin Yesilyurt 08/03/2024



#70
 1,2,4-trichlorobenzene
 Concen: 2.089 ug/L
 RT: 13.843 min Scan# 3904
 Delta R.T. 0.010 min
 Lab File: VU060289.D
 Acq: 01 Aug 2024 10:52

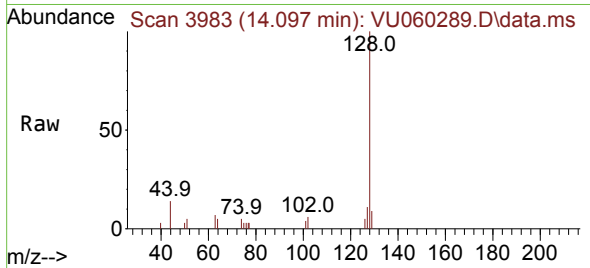
Tgt Ion:180	Resp:	3811
Ion Ratio	Lower	Upper
180	100	
182	85.8	76.4 114.6
145	25.8	23.0 34.4





#71
Naphthalene
Concen: 1.902 ug/L m
RT: 14.097 min Scan# 3978
Delta R.T. 0.016 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

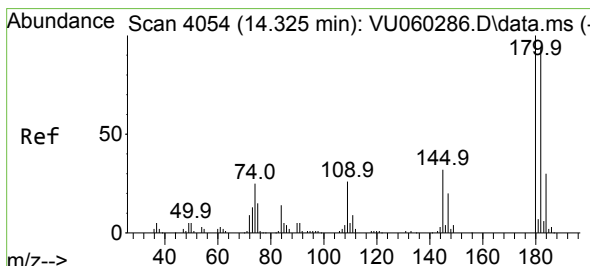
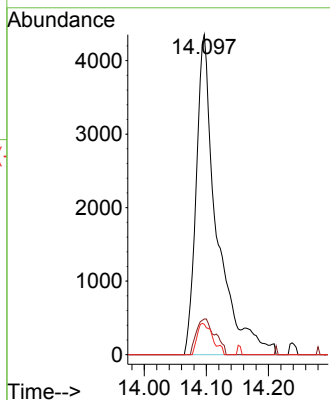
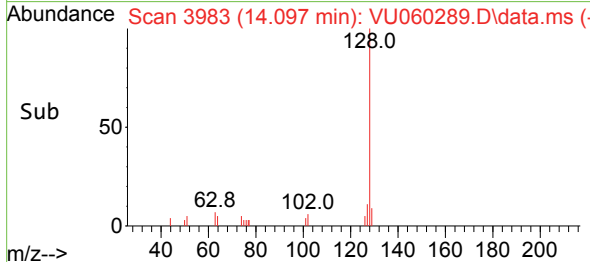
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2024-06



Tgt Ion:128 Resp: 1002
Ion Ratio Lower Upper
128 100
127 8.2 10.4 15.6
129 6.7 8.6 13.0

Manual Integrations
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Reviewed By :Mahesh Dadoda 08/03/2024
Supervised By :Semsettin Yesilyurt 08/03/2024



#72
1,2,3-Trichlorobenzene
Concen: 1.675 ug/L
RT: 14.331 min Scan# 4056
Delta R.T. 0.006 min
Lab File: VU060289.D
Acq: 01 Aug 2024 10:52

Tgt Ion:180 Resp: 3065
Ion Ratio Lower Upper
180 100
182 111.2 75.8 113.8
145 35.7 24.5 36.7

