

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
 Data File : VU054901.D
 Acq On : 27 Jul 2023 18:07
 Operator : MD/SY
 Sample : 03572-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Quant Time: Jul 28 06:50:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072523DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Jul 28 06:40:03 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/28/2023
 Supervised By : Mahesh Dadoda 07/31/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	24744	1.000 ug/l	#	0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	8110	1.081 ug/l		0.00
Spiked Amount 1.000			Recovery	=	108.000%	
68) 1,2-Dichlorobenzene-d4	12.197	152	8281	0.977 ug/l		0.00
Spiked Amount 1.000			Recovery	=	98.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	1565	0.332 ug/l		83
3) Chloromethane	1.515	50	2211	0.418 ug/l		96
4) Vinyl Chloride	1.599	62	2660	0.376 ug/l		98
5) Bromomethane	1.853	94	2324	0.414 ug/l		98
6) Chloroethane	1.930	64	2141	0.293 ug/l	#	82
7) Trichlorofluoromethane	2.136	101	5590	0.337 ug/l		97
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	1819	0.338 ug/l		96
9) 1,1-Dichloroethene	2.580	96	1751	0.410 ug/l		88
10) Iodomethane	2.718	142	2099	0.315 ug/l		92
11) Allyl Chloride	2.921	41	2261	0.443 ug/l		96
12) Acrylonitrile	3.351	53	590	0.550 ug/l	#	78
13) Acetone	2.647	43	2394m	2.136 ug/l		
14) Carbon Disulfide	2.785	76	2799	0.378 ug/l	#	85
15) Methylene Chloride	3.043	84	4280	0.718 ug/l		98
16) trans-1,2-Dichloroethene	3.351	96	1443	0.310 ug/l	#	82
17) 1,1-Dichloroethane	3.869	63	3891	0.374 ug/l	#	88
18) 2-Butanone	4.747	43	2759m	1.952 ug/l		
19) Cyclohexane	5.383	56	2416m	0.413 ug/l		
20) Methylcyclohexane	6.763	83	2646	0.338 ug/l		92
21) 2,2-Dichloropropane	4.660	77	3088	0.320 ug/l		98
22) cis-1,2-Dichloroethene	4.676	96	2360	0.382 ug/l		89
23) Diethyl Ether	2.374	59	2582	0.410 ug/l		95
24) tert-Butyl Alcohol	3.197	59	2152m	3.670 ug/l		
25) Methyl tert-Butyl Ether	3.367	73	5810	0.440 ug/l	#	80
26) Bromochloromethane	4.985	128	632	0.249 ug/l	#	60
27) Chloroform	5.091	83	4246	0.380 ug/l		97
28) 1,1,1-Trichloroethane	5.319	97	3578	0.371 ug/l		94
29) 1,1-Dichloropropene	5.522	75	2583	0.363 ug/l	#	86
30) Carbon Tetrachloride	5.522	117	2738	0.340 ug/l		96
31) Isopropyl Ether	3.982	45	5973m	0.389 ug/l		
32) Ethyl-t-butyl ether	4.502	59	6336	0.401 ug/l	#	56
33) Tert-Amyl methyl ether	5.936	73	5686	0.380 ug/l	#	84
34) Propionitrile	4.843	54	490m	1.257 ug/l		
35) Benzene	5.772	78	7667	0.344 ug/l		99
36) 1,2-Dichloroethane	5.798	62	2423	0.382 ug/l	#	89
37) Trichloroethene	6.547	130	2504	0.418 ug/l		99
38) 1,2-Dichloropropane	6.792	63	2564	0.407 ug/l	#	83
39) Methacrylonitrile	4.988	41	450m	0.288 ug/l		
40) Methyl acrylate	4.891	55	1051m	0.423 ug/l		
41) Tetrahydrofuran	5.078	42	715m	0.800 ug/l		
42) 1-Chlorobutane	5.457	56	3502	0.376 ug/l		97
43) Dibromomethane	6.917	93	1067m	0.361 ug/l		
44) Bromodichloromethane	7.104	83	3168	0.384 ug/l	#	87

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Instrument :
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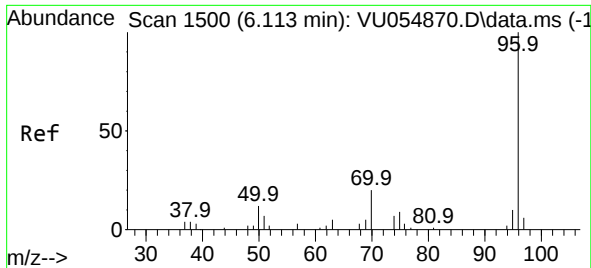
Quant Time: Jul 28 06:50:05 2023
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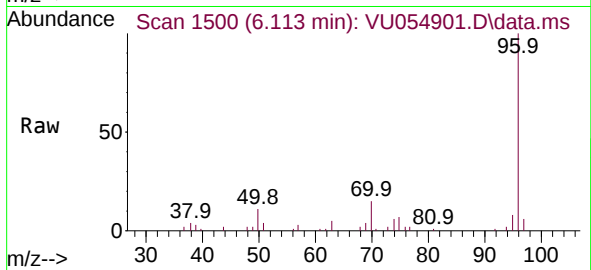
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.795	43	7237	2.096	ug/l	92
46) t-1,4-Dichloro-2-butene	10.827	75	1226m	0.882	ug/l	
47) Methyl methacrylate	6.962	69	1853	0.685	ug/l #	85
48) Ethyl methacrylate	8.332	69	2141	0.391	ug/l	91
49) Toluene	7.969	92	5552	0.391	ug/l	99
50) t-1,3-Dichloropropene	8.216	75	2507	0.342	ug/l #	88
51) cis-1,3-Dichloropropene	7.612	75	3138	0.349	ug/l	93
52) 1,1,2-Trichloroethane	8.399	97	1726	0.368	ug/l #	84
53) 1,3-Dichloropropane	8.576	76	3152	0.415	ug/l	93
54) 2-Hexanone	8.692	43	4914	2.003	ug/l	100
55) Dibromochloromethane	8.811	129	1830	0.340	ug/l	94
56) 1,2-Dibromoethane	8.927	107	1586	0.399	ug/l	94
58) Tetrachloroethene	8.550	164	1967	0.376	ug/l #	81
59) Chlorobenzene	9.451	112	6416	0.372	ug/l	90
60) 1,1,1,2-Tetrachloroethane	9.534	131	2147	0.353	ug/l	92
61) Pentachloroethane	11.431	117	1403	0.295	ug/l	100
62) Hexachloroethane	12.473	117	1279	0.262	ug/l	97
63) Ethyl Benzene	9.567	91	11128	0.385	ug/l	95
64) m/p-Xylenes	9.695	106	7356	0.680	ug/l	88
65) o-Xylene	10.097	106	3677	0.331	ug/l	83
66) Styrene	10.116	104	6182	0.348	ug/l	97
67) Bromoform	10.296	173	1117m	0.401	ug/l	
69) Isopropylbenzene	10.480	105	11302	0.379	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.782	83	2149	0.370	ug/l #	98
71) 1,2,3-Trichloropropane	10.821	75	2000m	0.484	ug/l	
72) Bromobenzene	10.785	156	2665	0.401	ug/l	94
73) n-propylbenzene	10.907	120	2744	0.344	ug/l	96
74) 2-Chlorotoluene	10.985	126	2607	0.377	ug/l	96
75) 1,3,5-Trimethylbenzene	11.087	105	9037	0.374	ug/l	93
76) 4-Chlorotoluene	11.100	126	2931	0.408	ug/l	88
77) tert-Butylbenzene	11.419	119	8695	0.346	ug/l	96
78) 1,2,4-Trimethylbenzene	11.470	105	7477	0.302	ug/l	85
79) sec-Butylbenzene	11.644	105	11504	0.352	ug/l	95
81) p-Isopropyltoluene	11.792	119	7688	0.298	ug/l	97
82) 1,3-Dichlorobenzene	11.747	146	5344	0.378	ug/l	92
83) 1,4-Dichlorobenzene	11.840	146	5619	0.399	ug/l	99
84) n-Butylbenzene	12.210	91	7557	0.326	ug/l #	95
85) 1,2-Dichlorobenzene	12.213	146	5528	0.408	ug/l	98
87) 1,2,4-Trichlorobenzene	13.843	180	3220	0.373	ug/l	98
88) Hexachlorobutadiene	14.017	225	1652	0.358	ug/l	93
89) Naphthalene	14.087	128	5033	0.376	ug/l #	91
90) 1,2,3-Trichlorobenzene	14.332	180	3268	0.426	ug/l	97

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1500
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

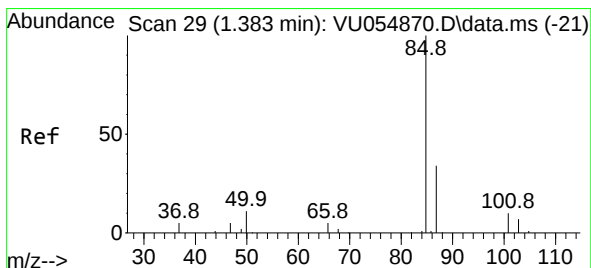
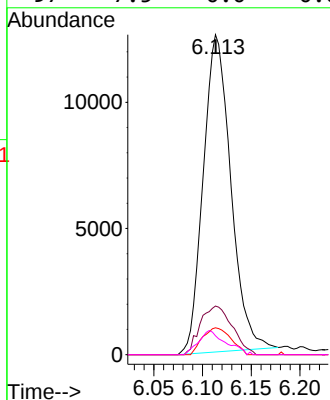
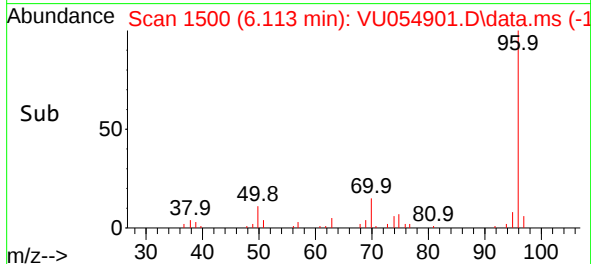
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 96 Resp: 24744
Ion Ratio Lower Upper
96 100
70 17.8 14.0 21.0
95 8.7 8.7 13.1
97 7.5 0.0 0.0#

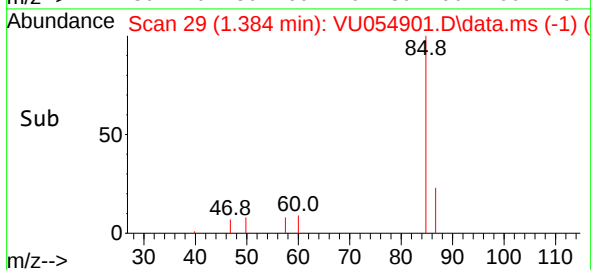
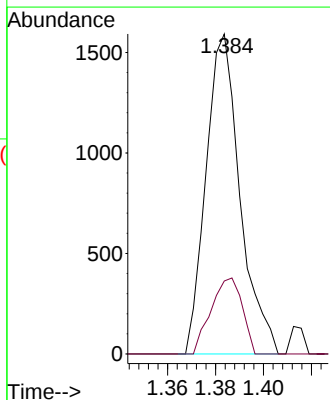
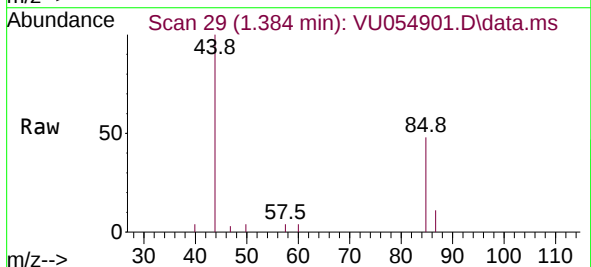
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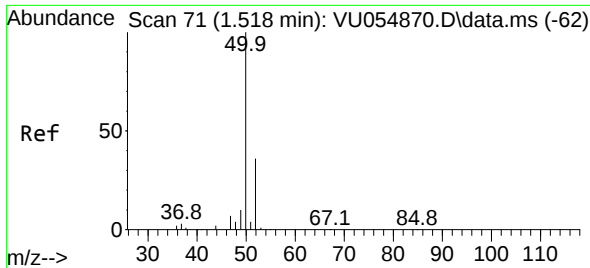
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#2
Dichlorodifluoromethane
Concen: 0.332 ug/l
RT: 1.384 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Tgt Ion: 85 Resp: 1565
Ion Ratio Lower Upper
85 100
87 22.8 16.2 48.6





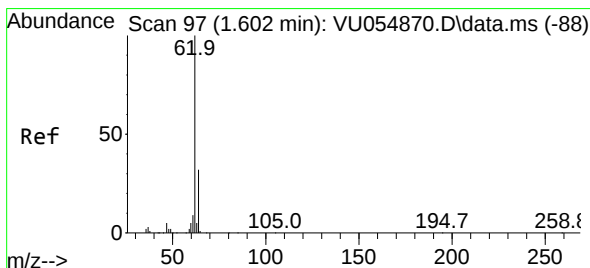
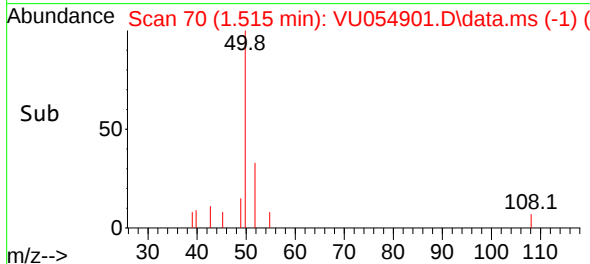
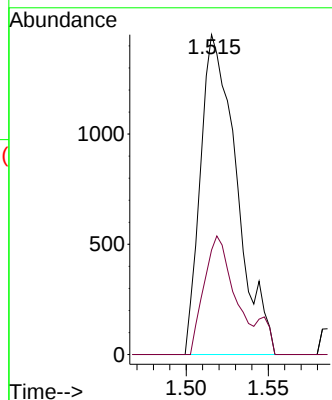
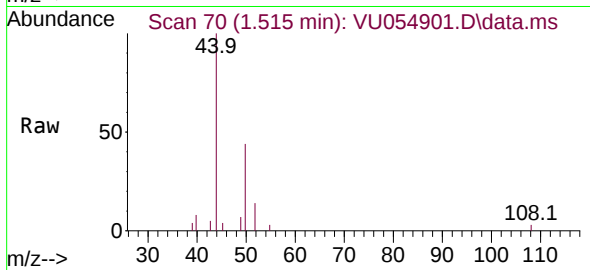
#3
Chloromethane
Concen: 0.418 ug/l
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 50 Resp: 221
Ion Ratio Lower Upper
50 100
52 32.7 28.2 42.2

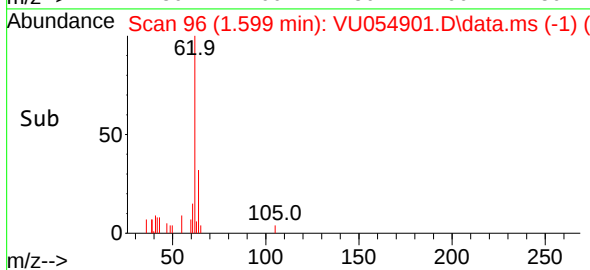
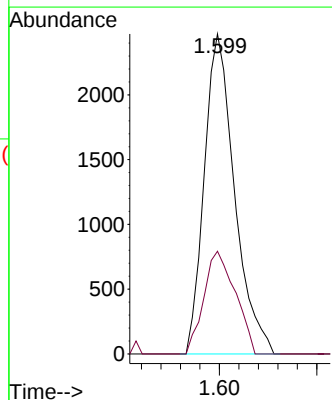
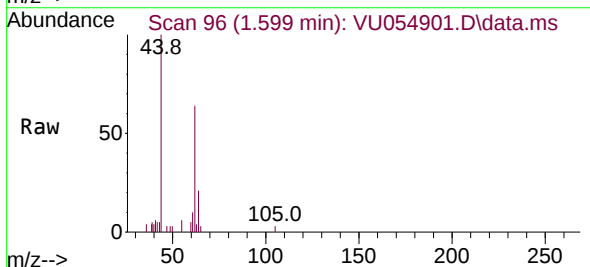
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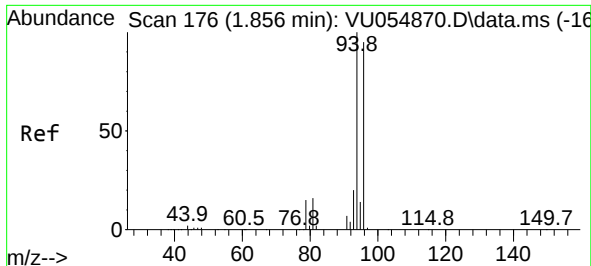
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#4
Vinyl Chloride
Concen: 0.376 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

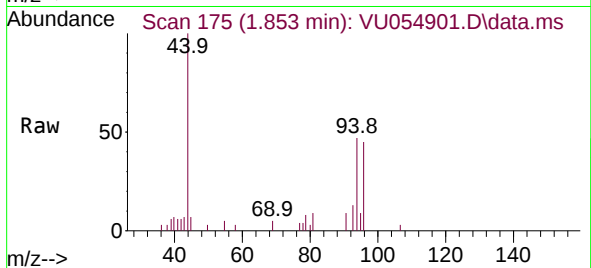
Tgt Ion: 62 Resp: 2660
Ion Ratio Lower Upper
62 100
64 32.1 26.4 39.6





#5
Bromomethane
Concen: 0.414 ug/l
RT: 1.853 min Scan# 176
Delta R.T. -0.003 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

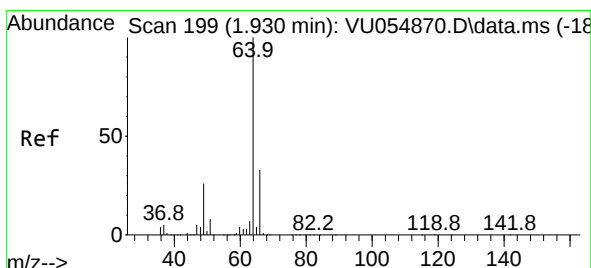
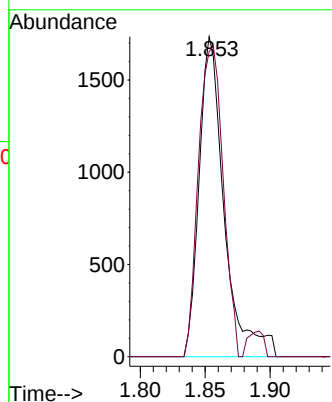
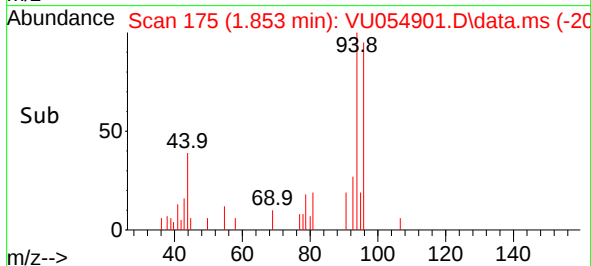
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 94 Resp: 2324
Ion Ratio Lower Upper
94 100
96 95.3 74.6 111.8

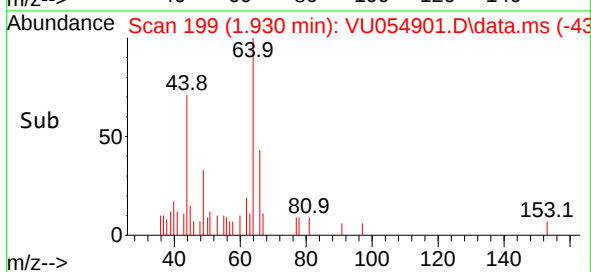
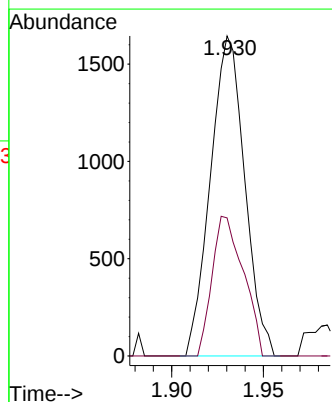
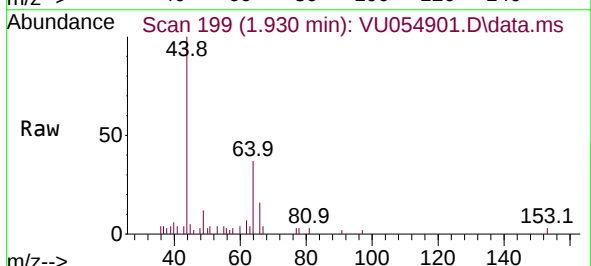
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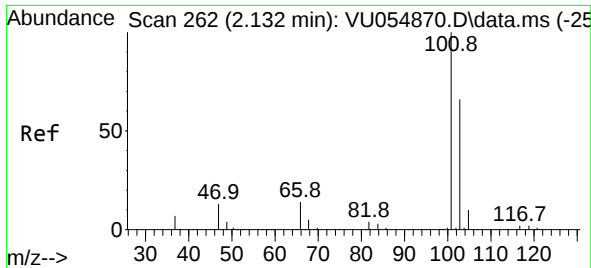
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#6
Chloroethane
Concen: 0.293 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

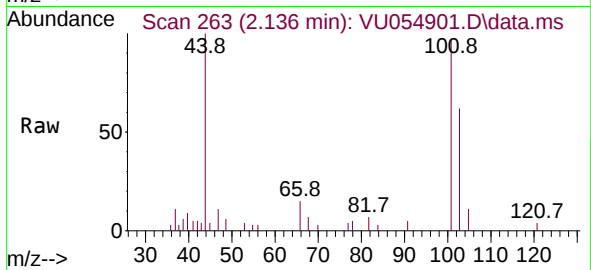
Tgt Ion: 64 Resp: 2141
Ion Ratio Lower Upper
64 100
66 43.2 26.2 39.4





#7
Trichlorofluoromethane
Concen: 0.337 ug/l
RT: 2.136 min Scan# 262
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

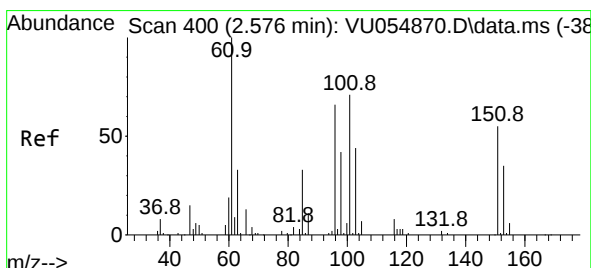
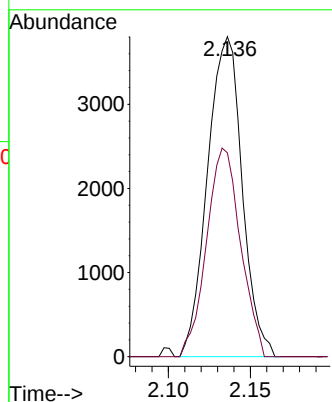
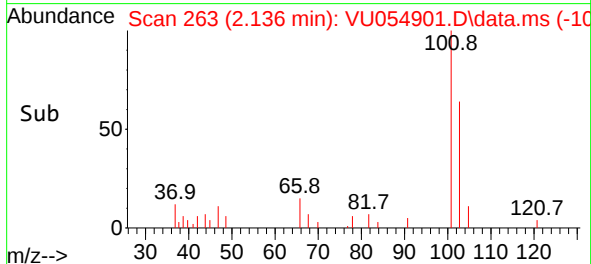
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



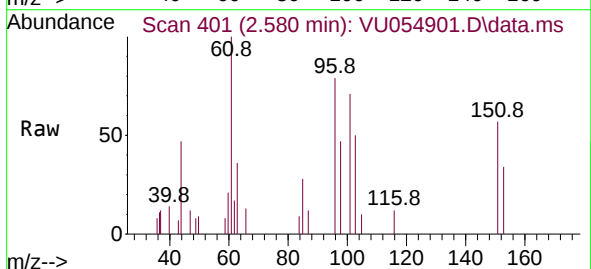
Tgt Ion:101 Resp: 5590
Ion Ratio Lower Upper
101 100
103 63.7 52.9 79.3

Manual Integrations
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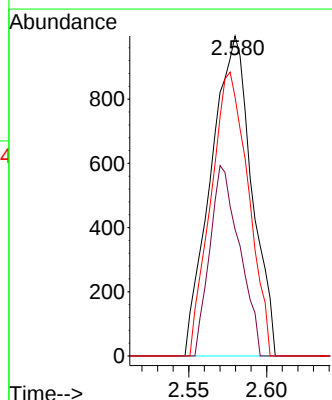
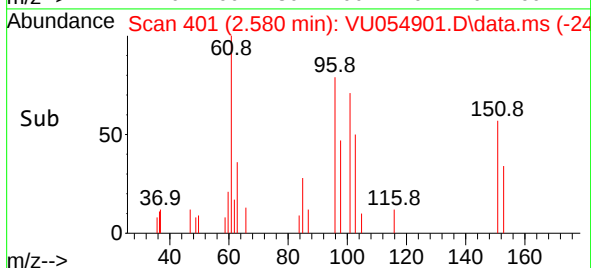
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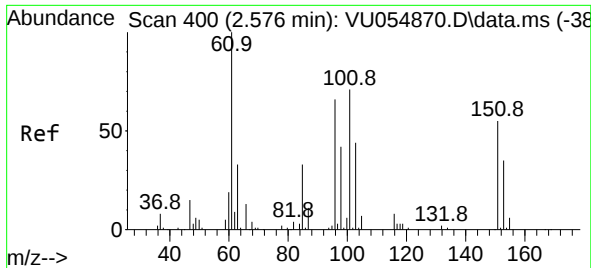


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.338 ug/l
RT: 2.580 min Scan# 401
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



Tgt Ion:101 Resp: 1819
Ion Ratio Lower Upper
101 100
85 43.3 34.8 52.2
151 81.0 60.5 90.7





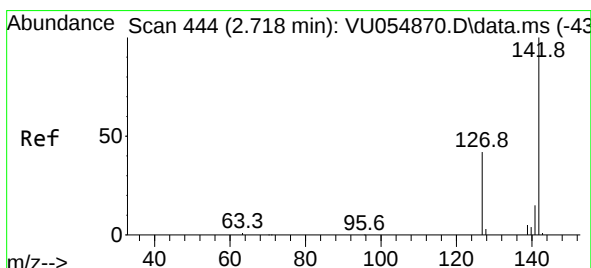
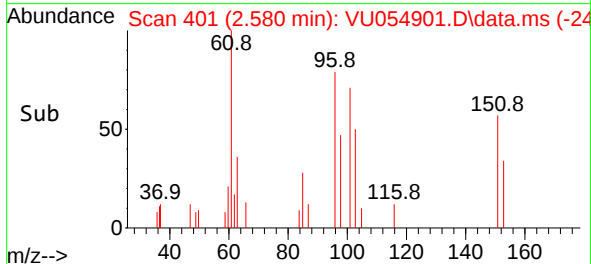
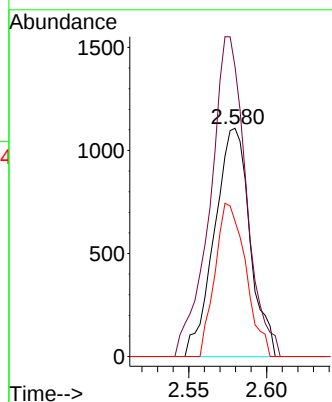
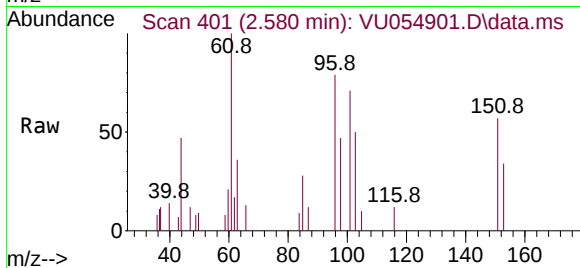
#9
1,1-Dichloroethene
Concen: 0.410 ug/l
RT: 2.580 min Scan# 400
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 96	Resp: 175
Ion Ratio	Lower Upper
96	100
61	126.8 0.0 440.1
98	59.3 0.0 121.8

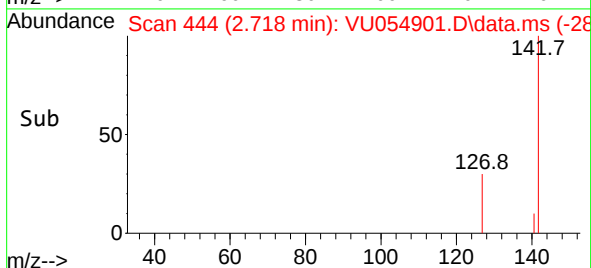
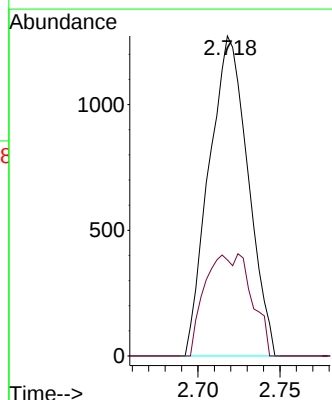
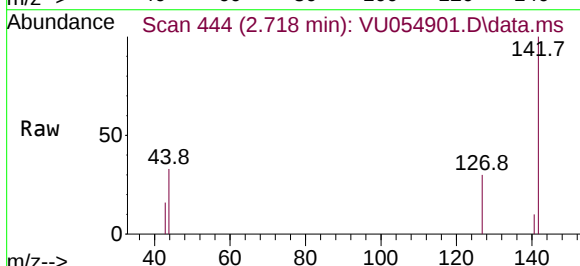
Manual Integrations
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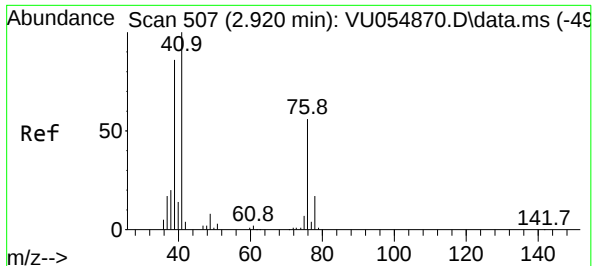
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#10
Iodomethane
Concen: 0.315 ug/l
RT: 2.718 min Scan# 444
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Tgt Ion:142	Resp: 2099
Ion Ratio	Lower Upper
142	100
127	38.1 34.3 51.5





#11

Allyl Chloride

Concen: 0.443 ug/l

RT: 2.921 min Scan# 507

Delta R.T. 0.000 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 41 Resp: 226

Ion Ratio Lower Upper

41 100

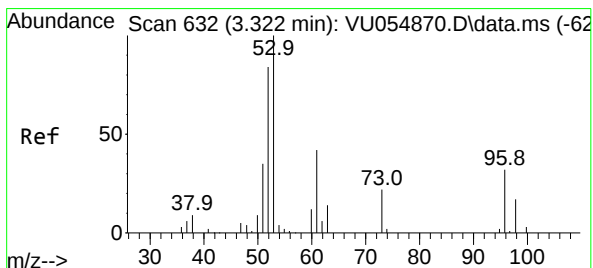
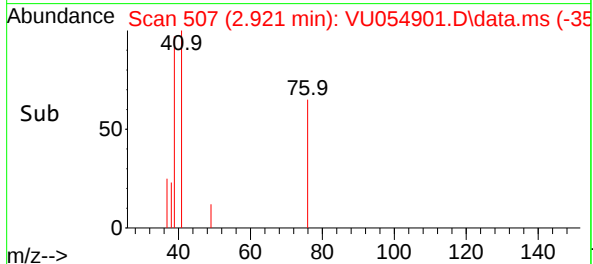
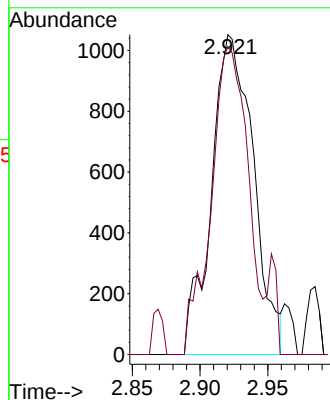
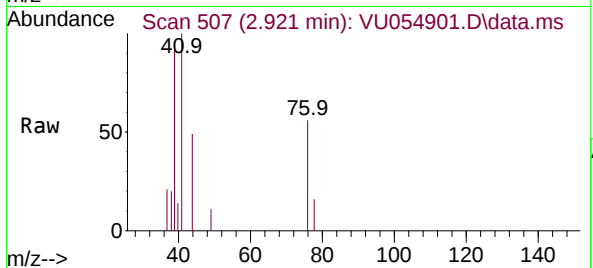
39 84.4 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#12

Acrylonitrile

Concen: 0.550 ug/l

RT: 3.351 min Scan# 641

Delta R.T. 0.029 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

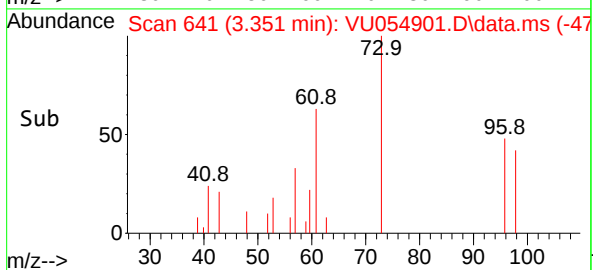
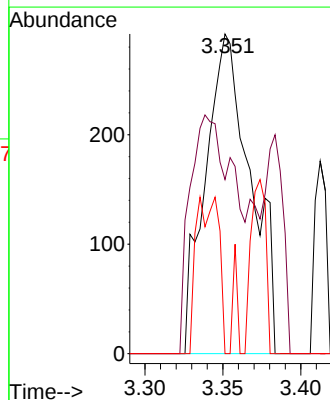
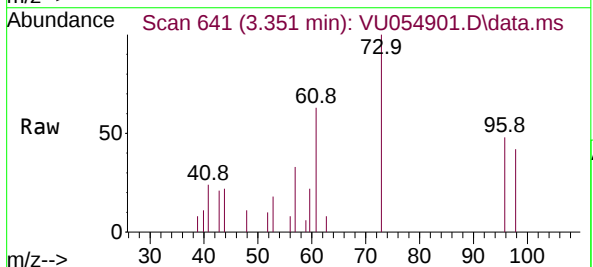
Tgt Ion: 53 Resp: 590

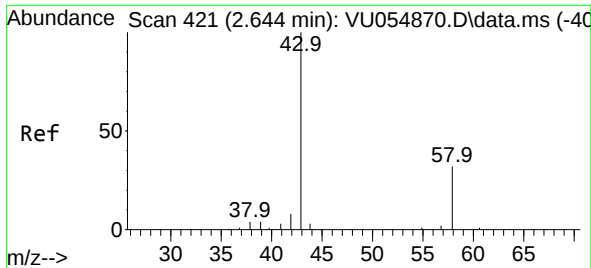
Ion Ratio Lower Upper

53 100

52 72.9 64.2 96.4

51 12.0 33.6 50.4#





#13

Acetone

Concen: 2.136 ug/l m

RT: 2.647 min Scan# 41

Delta R.T. 0.004 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 43 Resp: 2394

Ion Ratio Lower Upper

43 100

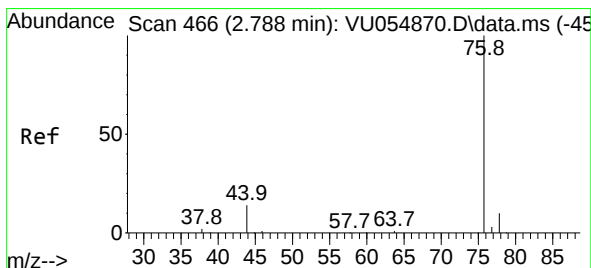
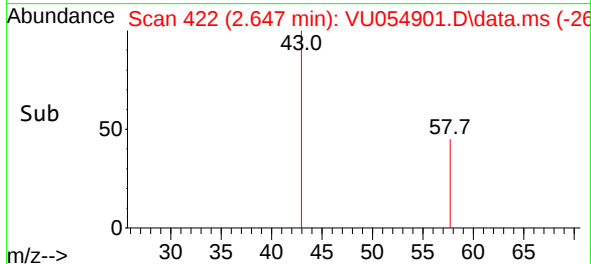
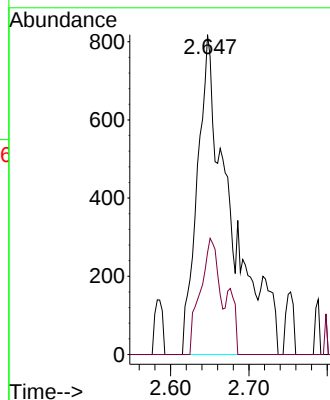
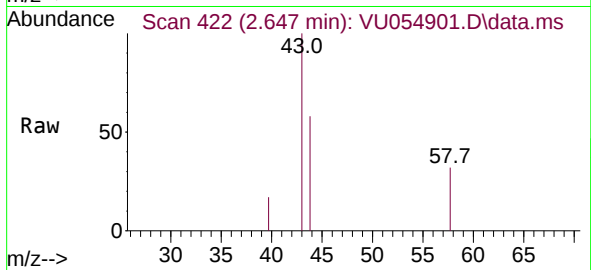
58 31.9 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#14

Carbon Disulfide

Concen: 0.378 ug/l

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU054901.D

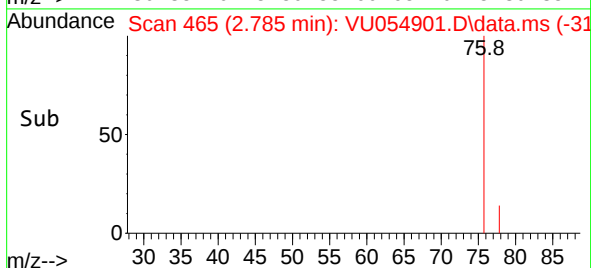
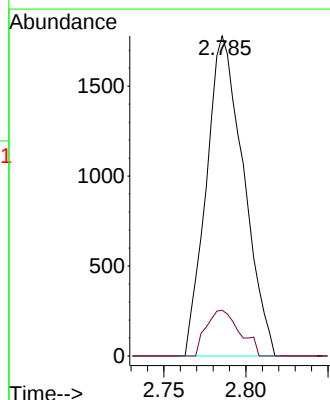
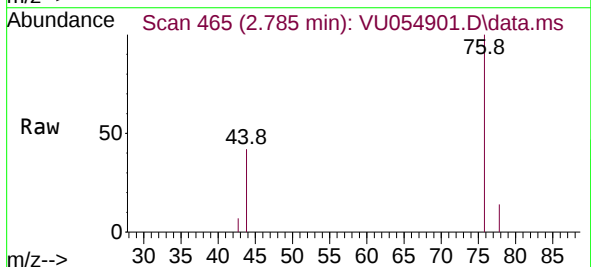
Acq: 27 Jul 2023 18:07

Tgt Ion: 76 Resp: 2799

Ion Ratio Lower Upper

76 100

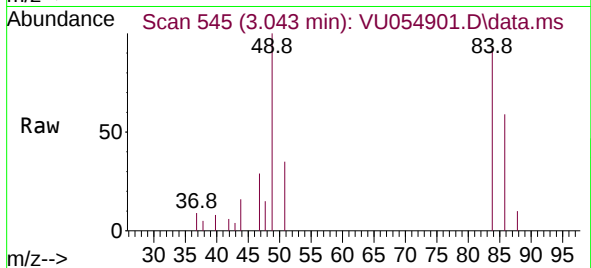
78 14.3 7.1 10.7#





#15
Methylene Chloride
Concen: 0.718 ug/l
RT: 3.043 min Scan# 545
Delta R.T. 0.001 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

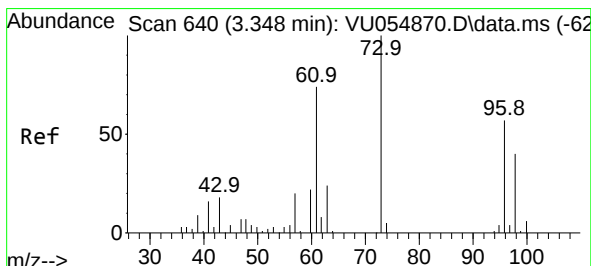
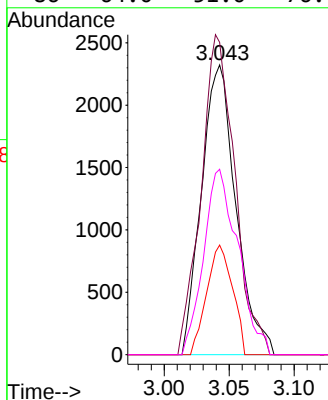
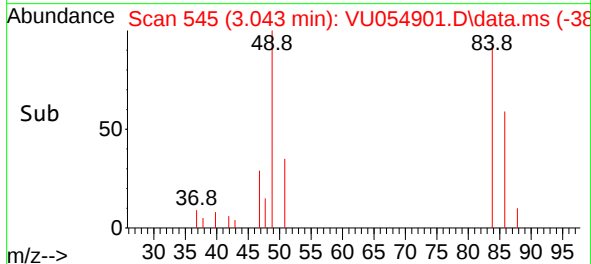
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 84 Resp: 4280
Ion Ratio Lower Upper
84 100
49 107.8 87.8 131.6
51 37.8 0.0 68.2
86 64.0 51.0 76.4

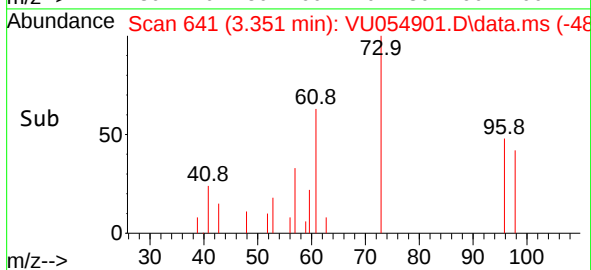
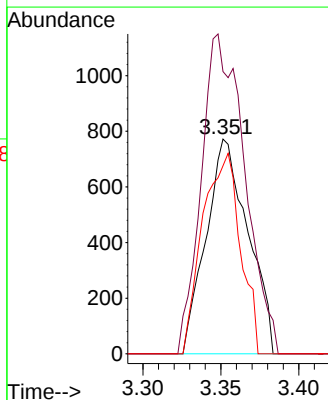
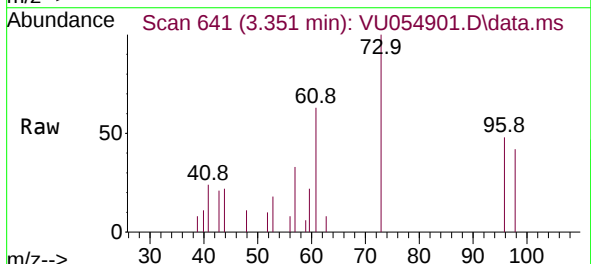
Manual Integrations
APPROVED

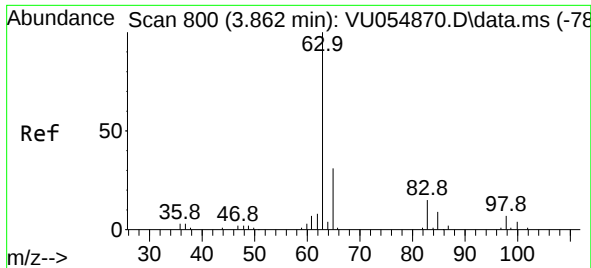
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#16
trans-1,2-Dichloroethene
Concen: 0.310 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Tgt Ion: 96 Resp: 1443
Ion Ratio Lower Upper
96 100
61 131.5 96.4 144.6
98 87.6 49.3 73.9#





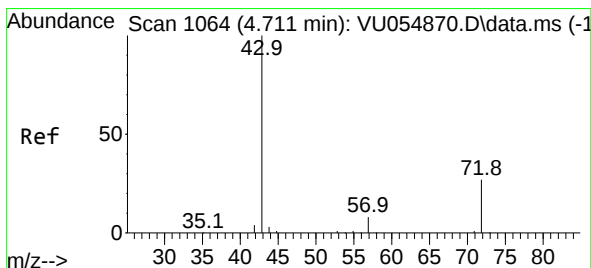
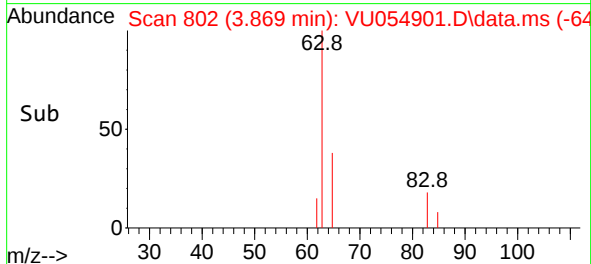
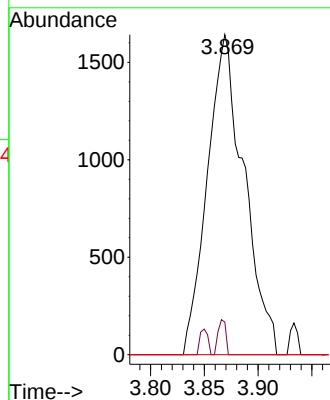
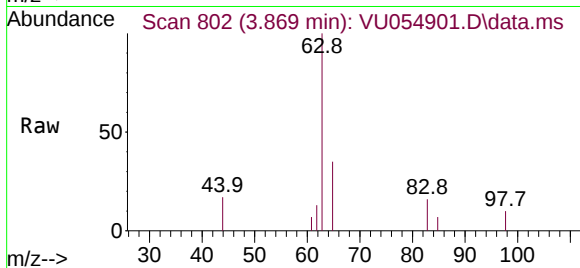
#17
1,1-Dichloroethane
Concen: 0.374 ug/l
RT: 3.869 min Scan# 800
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 63 Resp: 389
Ion Ratio Lower Upper
63 100
98 10.2 3.6 10.8
100 0.0 2.8 8.4

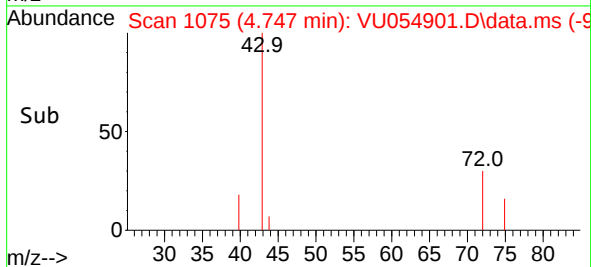
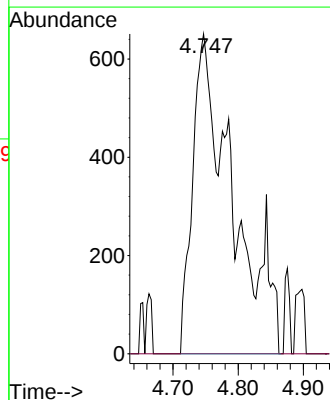
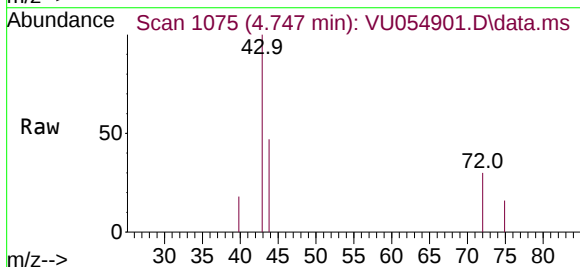
Manual Integrations
APPROVED

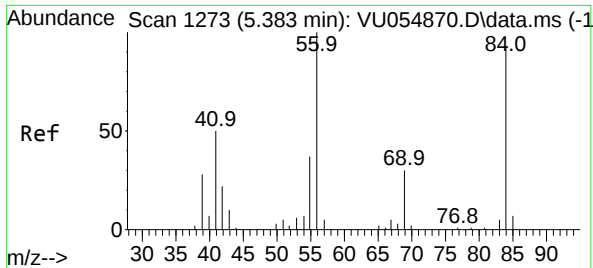
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
2-Butanone
Concen: 1.952 ug/l m
RT: 4.747 min Scan# 1075
Delta R.T. 0.036 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

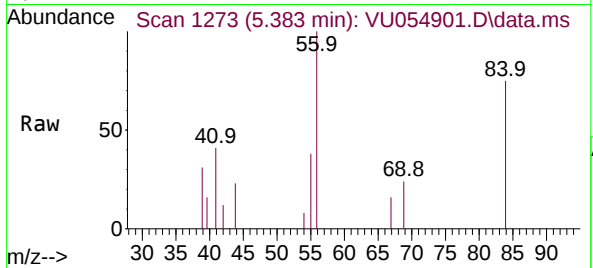
Tgt Ion: 43 Resp: 2759
Ion Ratio Lower Upper
43 100
57 0.0 0.0 20.8





#19
Cyclohexane
Concen: 0.413 ug/l m
RT: 5.383 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

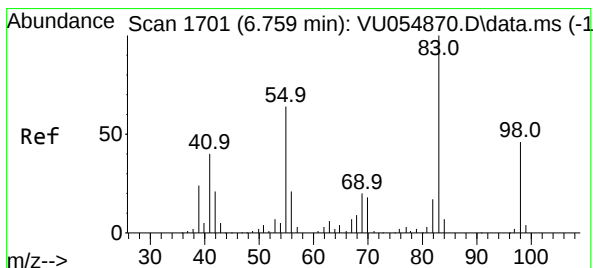
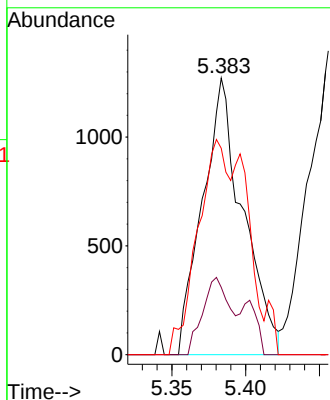
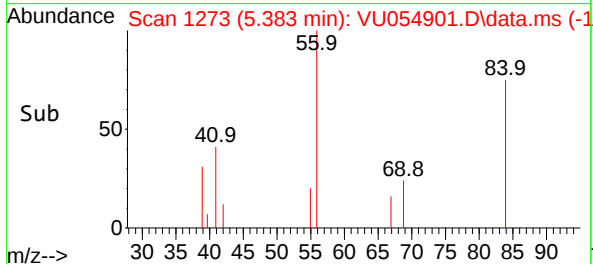
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 56 Resp: 2410
Ion Ratio Lower Upper
56 100
69 18.5 24.7 37.1
84 60.9 76.5 114.7

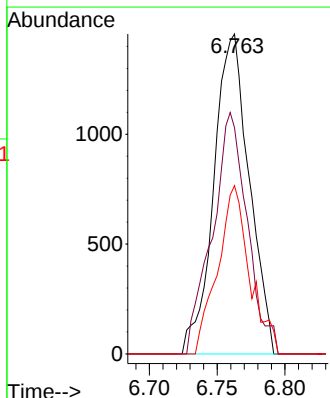
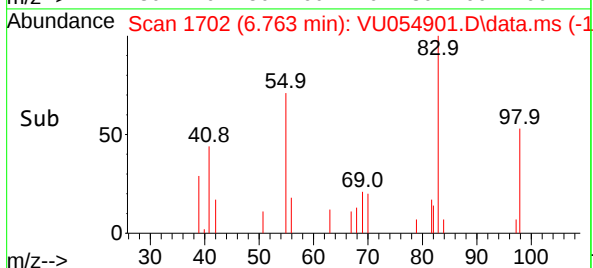
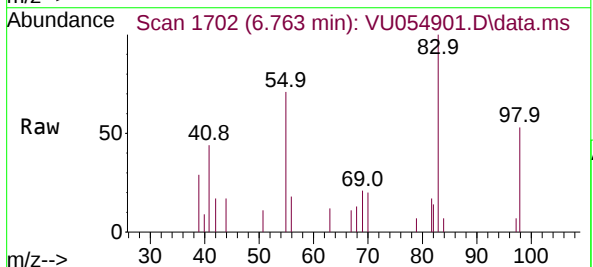
Manual Integrations
APPROVED

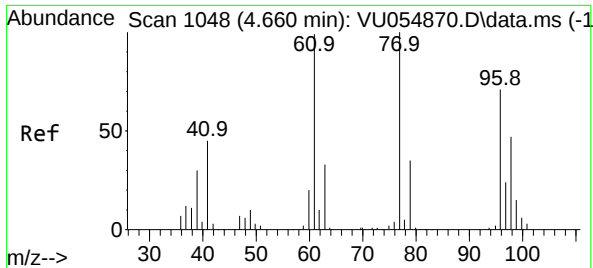
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#20
Methylcyclohexane
Concen: 0.338 ug/l
RT: 6.763 min Scan# 1702
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

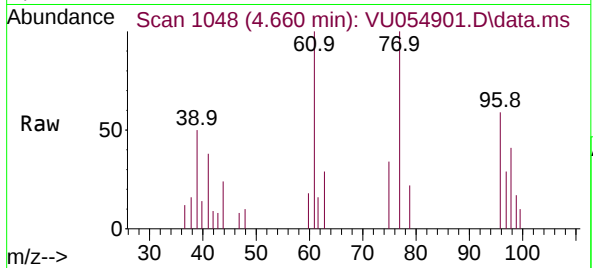
Tgt Ion: 83 Resp: 2646
Ion Ratio Lower Upper
83 100
55 74.8 51.6 77.4
98 47.5 38.2 57.2





#21
2,2-Dichloropropane
Concen: 0.320 ug/l
RT: 4.660 min Scan# 1048
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

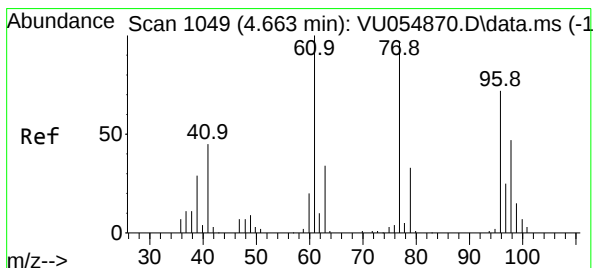
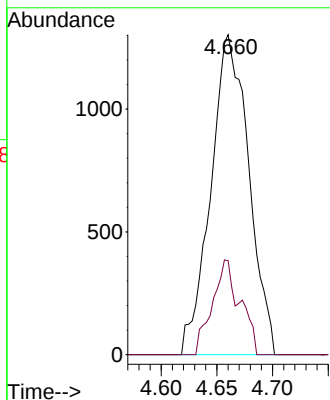
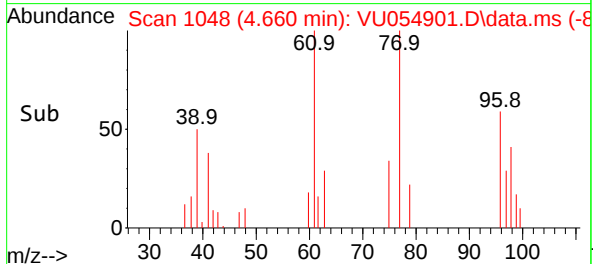
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



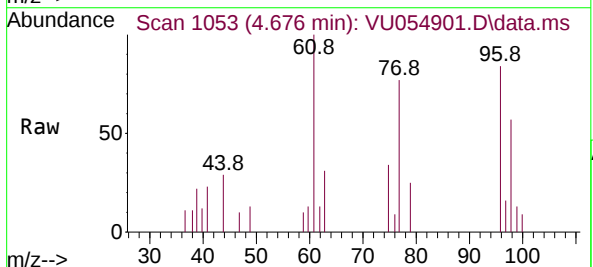
Tgt Ion: 77 Resp: 308
Ion Ratio Lower Upper
77 100
97 21.6 18.0 27.0

Manual Integrations
APPROVED

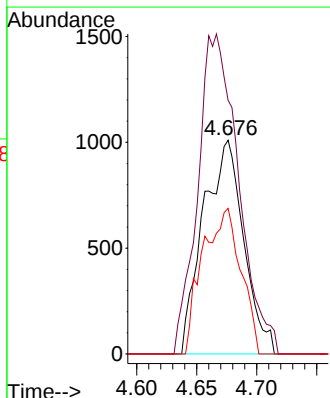
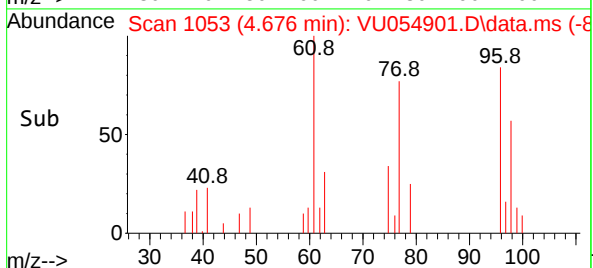
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

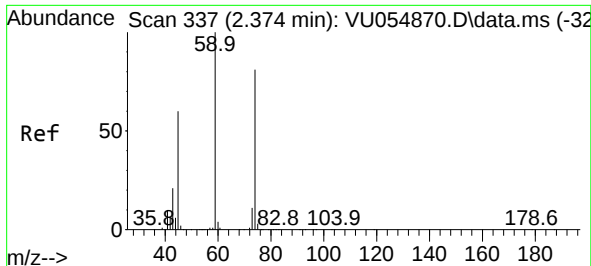


#22
cis-1,2-Dichloroethene
Concen: 0.382 ug/l
RT: 4.676 min Scan# 1053
Delta R.T. 0.013 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



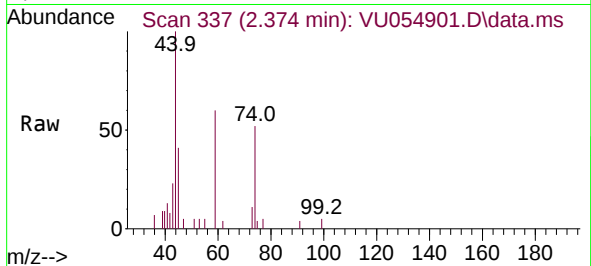
Tgt Ion: 96 Resp: 2360
Ion Ratio Lower Upper
96 100
61 151.4 0.0 332.0
98 64.7 32.5 97.5





#23
Diethyl Ether
Concen: 0.410 ug/l
RT: 2.374 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

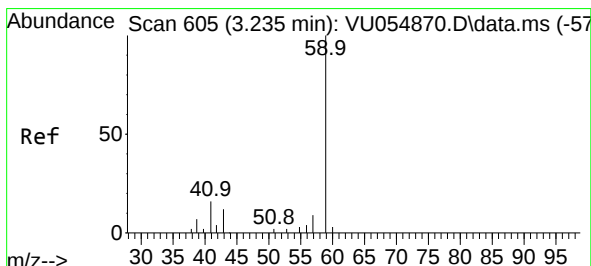
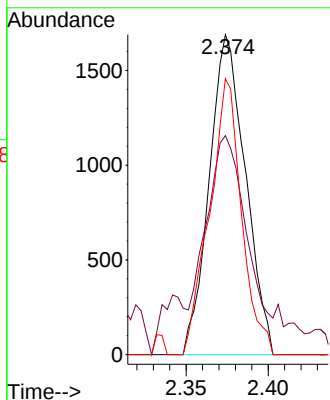
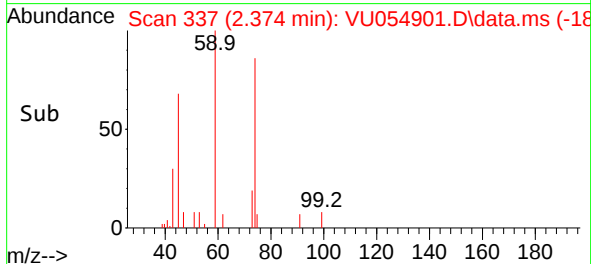
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 59 Resp: 258
Ion Ratio Lower Upper
59 100
45 70.4 51.4 77.0
74 76.4 63.1 94.7

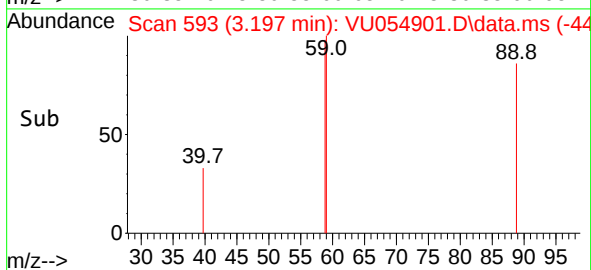
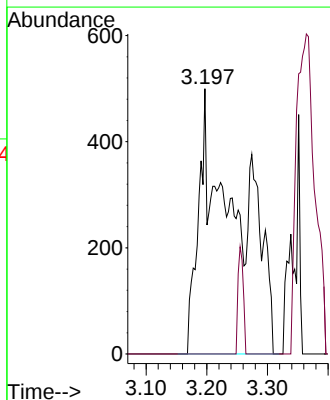
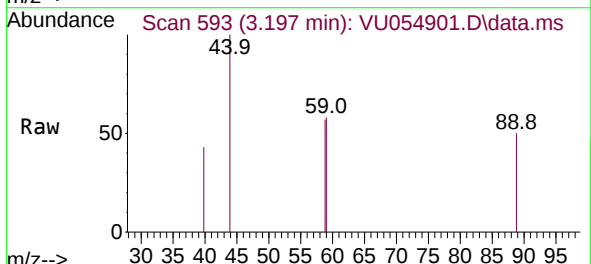
Manual Integrations
APPROVED

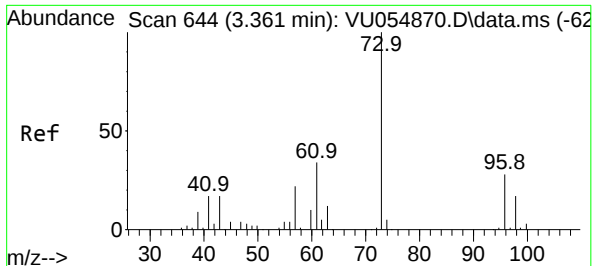
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#24
tert-Butyl Alcohol
Concen: 3.670 ug/l m
RT: 3.197 min Scan# 593
Delta R.T. -0.038 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

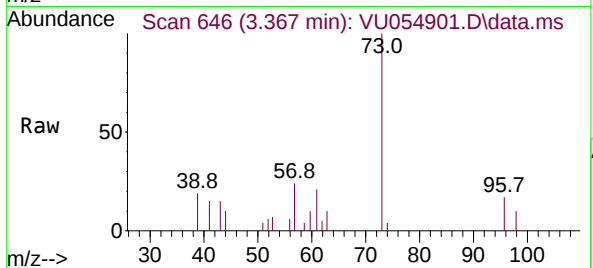
Tgt Ion: 59 Resp: 2152
Ion Ratio Lower Upper
59 100
57 0.0 2.2 3.2#





#25
Methyl tert-Butyl Ether
Concen: 0.440 ug/l
RT: 3.367 min Scan# 644
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

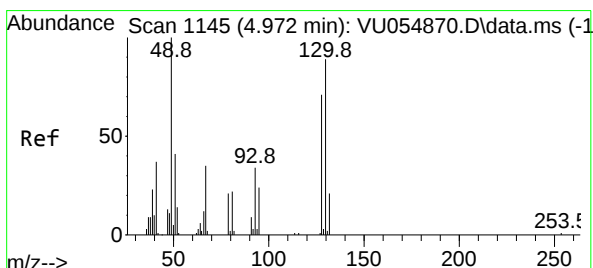
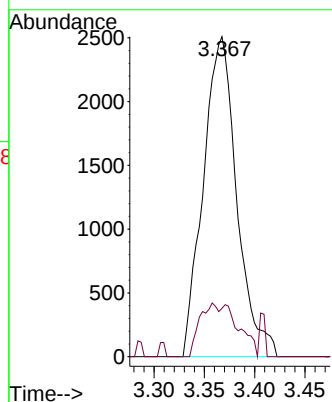
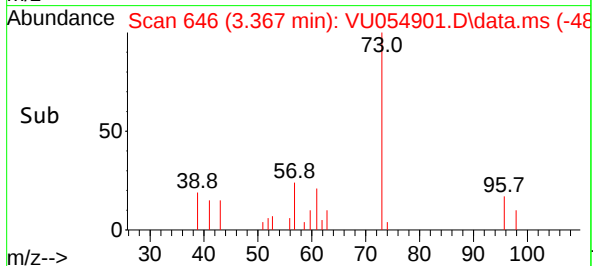
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 73 Resp: 5810
Ion Ratio Lower Upper
73 100
43 9.5 14.6 22.0

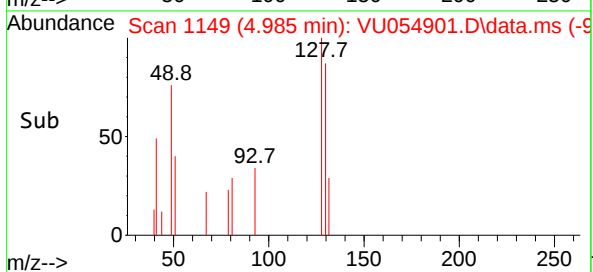
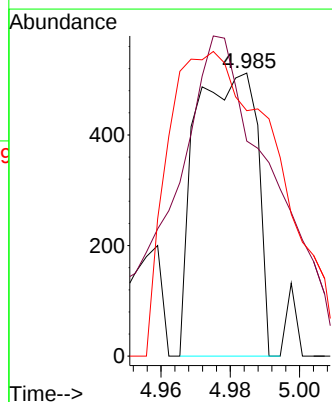
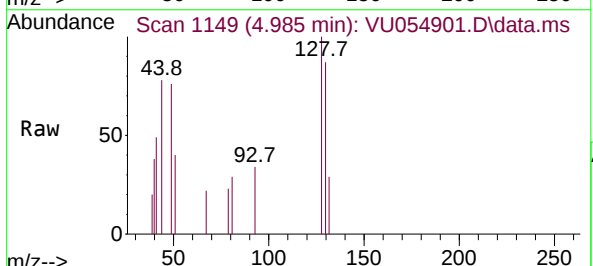
Manual Integrations
APPROVED

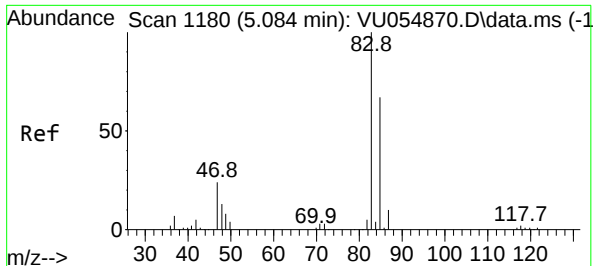
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#26
Bromochloromethane
Concen: 0.249 ug/l
RT: 4.985 min Scan# 1149
Delta R.T. 0.013 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Tgt Ion:128 Resp: 632
Ion Ratio Lower Upper
128 100
49 190.8 0.0 304.0
130 190.7 104.3 156.5





#27

Chloroform

Concen: 0.380 ug/l

RT: 5.091 min Scan# 1180

Delta R.T. 0.007 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

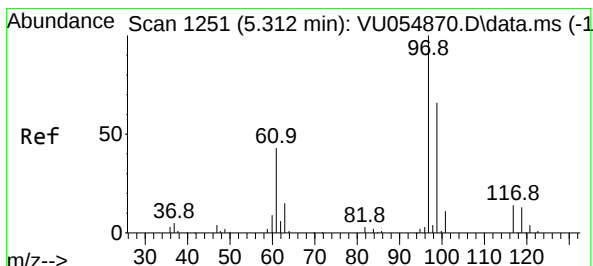
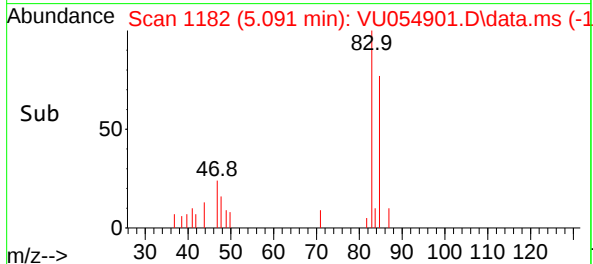
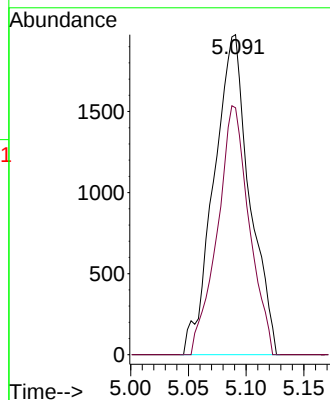
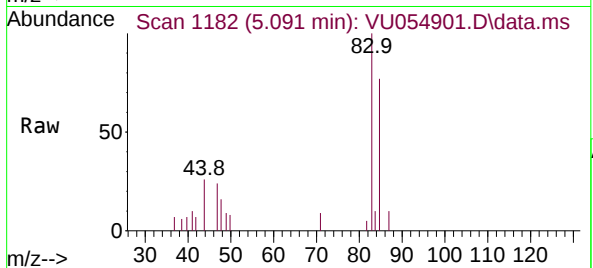
Tgt Ion: 83 Resp: 4240
 Ion Ratio Lower Upper
 83 100
 85 70.4 0.0 135.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#28

1,1,1-Trichloroethane

Concen: 0.371 ug/l

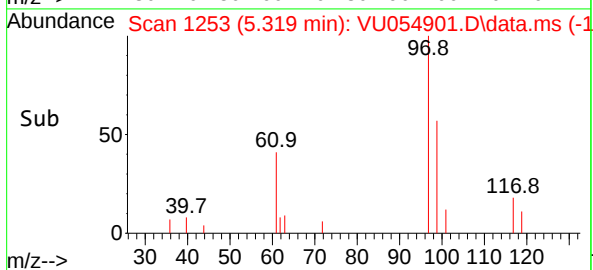
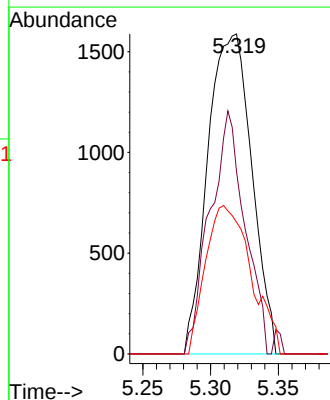
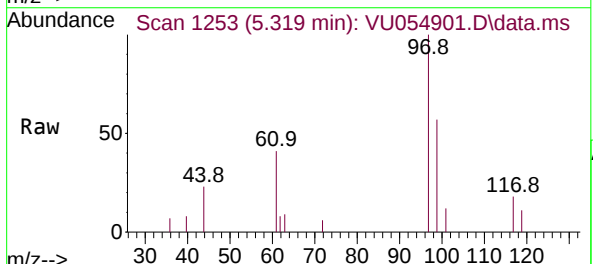
RT: 5.319 min Scan# 1253

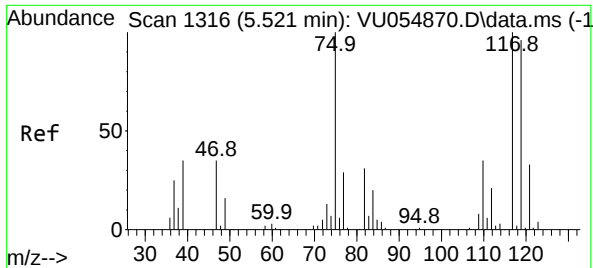
Delta R.T. 0.007 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

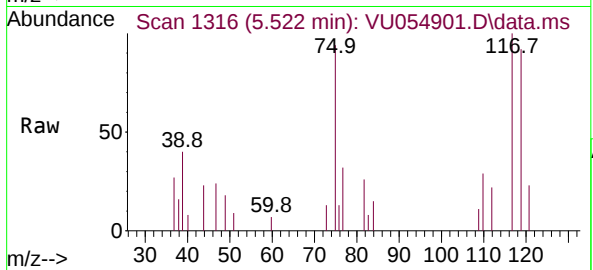
Tgt Ion: 97 Resp: 3578
 Ion Ratio Lower Upper
 97 100
 99 60.6 32.0 96.2
 61 48.0 21.0 63.0





#29
1,1-Dichloropropene
Concen: 0.363 ug/l
RT: 5.522 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

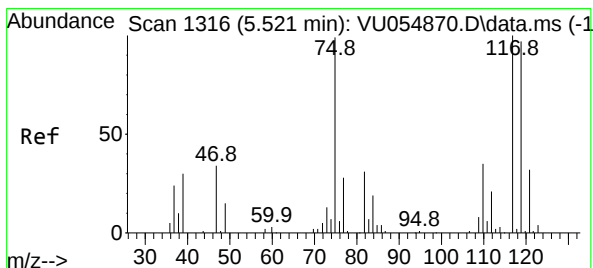
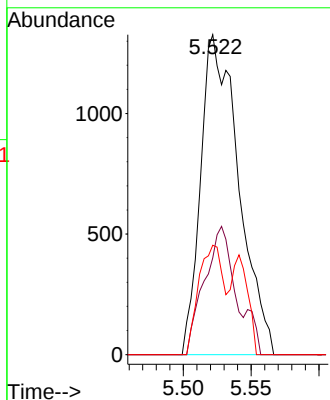
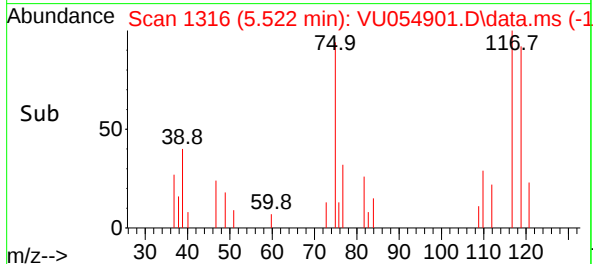
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



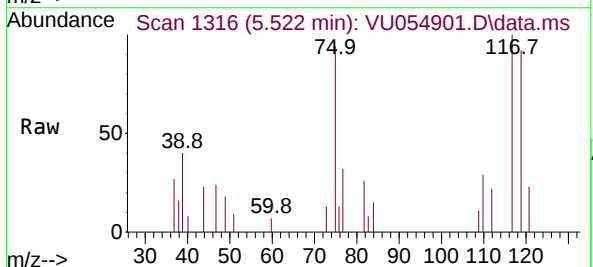
Tgt Ion: 75 Resp: 258
Ion Ratio Lower Upper
75 100
110 30.4 18.5 55.5
77 22.0 24.9 37.3

Manual Integrations
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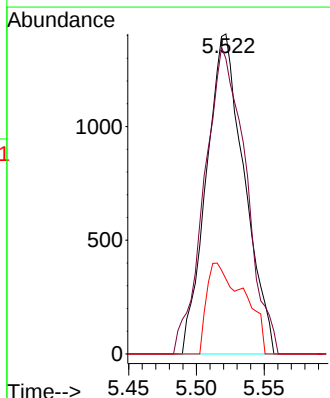
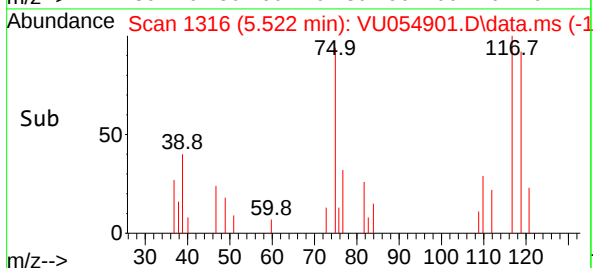
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

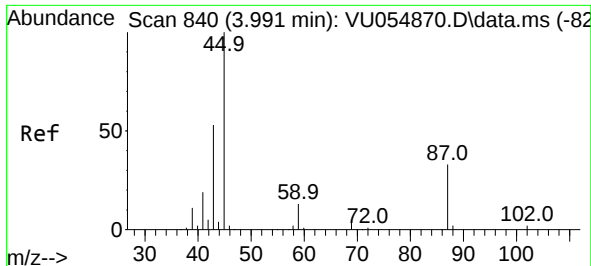


#30
Carbon Tetrachloride
Concen: 0.340 ug/l
RT: 5.522 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



Tgt Ion:117 Resp: 2738
Ion Ratio Lower Upper
117 100
119 92.3 75.6 113.4
121 23.5 23.4 35.0





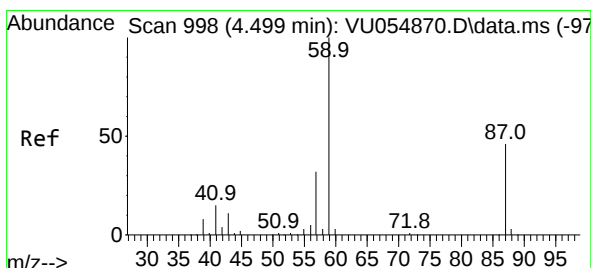
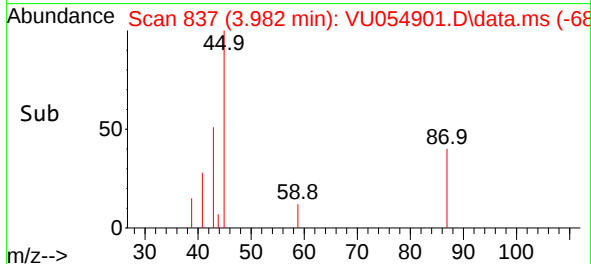
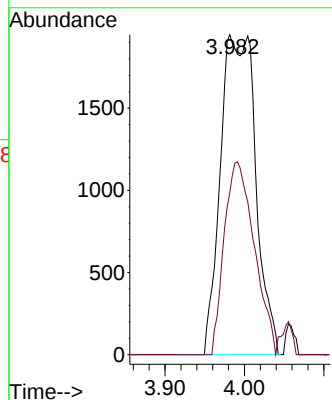
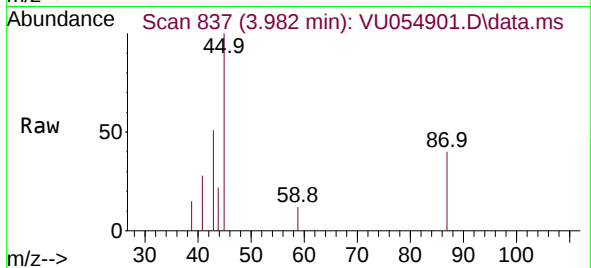
#31
Isopropyl Ether
Concen: 0.389 ug/l m
RT: 3.982 min Scan# 840
Delta R.T. -0.009 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 45 Resp: 597
Ion Ratio Lower Upper
45 100
43 51.4 26.4 79.2

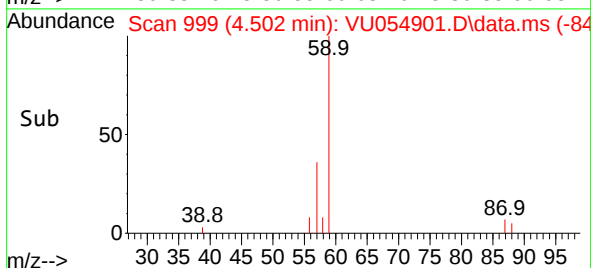
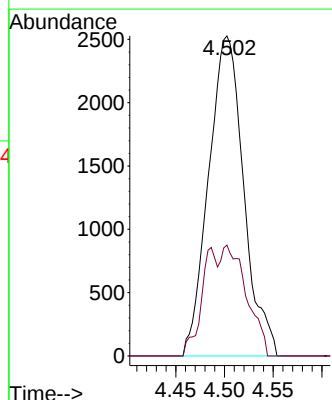
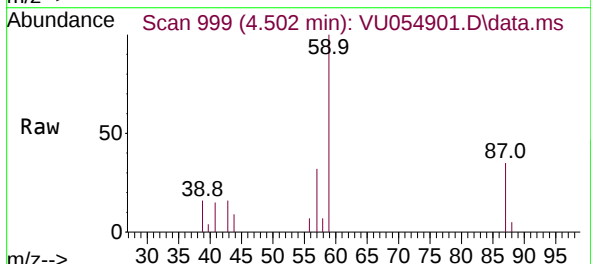
Manual Integrations
APPROVED

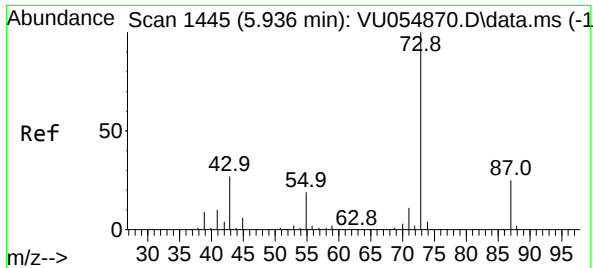
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#32
Ethyl-t-butyl ether
Concen: 0.401 ug/l
RT: 4.502 min Scan# 999
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

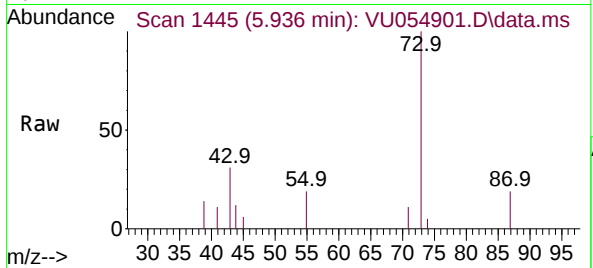
Tgt Ion: 59 Resp: 6336
Ion Ratio Lower Upper
59 100
87 15.7 35.7 53.5#





#33
Tert-Amyl methyl ether
Concen: 0.380 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

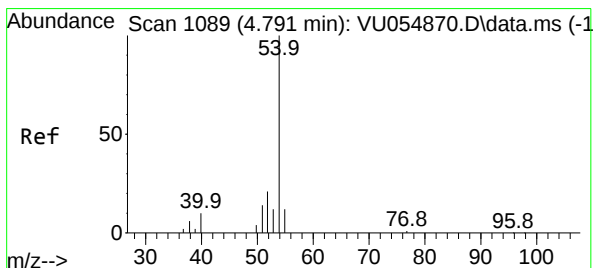
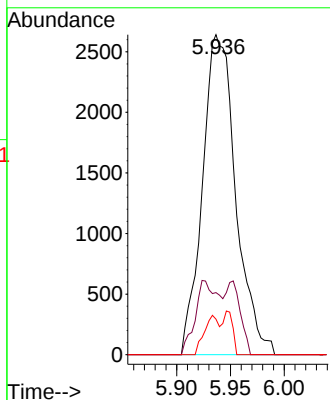
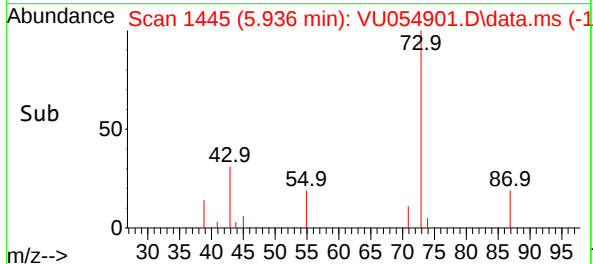
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



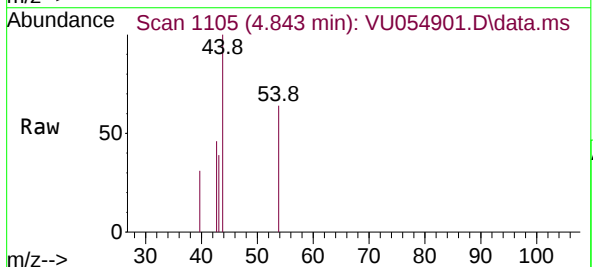
Tgt Ion: 73 Resp: 5680
Ion Ratio Lower Upper
73 100
87 16.7 19.6 29.4#
71 5.4 9.1 13.7#

Manual Integrations
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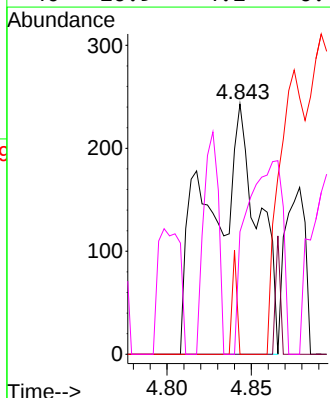
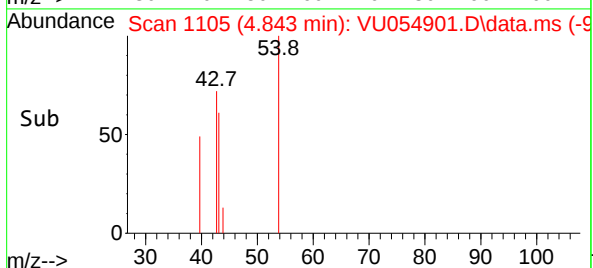
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

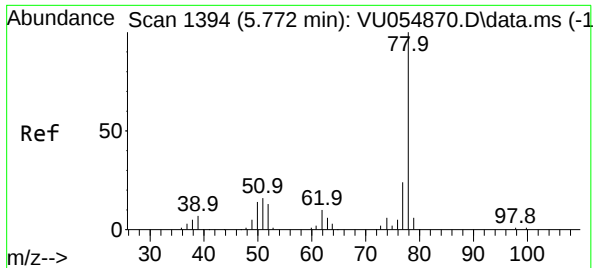


#34
Propionitrile
Concen: 1.257 ug/l m
RT: 4.843 min Scan# 1105
Delta R.T. 0.052 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



Tgt Ion: 54 Resp: 490
Ion Ratio Lower Upper
54 100
52 0.0 13.8 20.8#
55 0.0 4.8 7.2#
40 26.9 4.2 6.4#





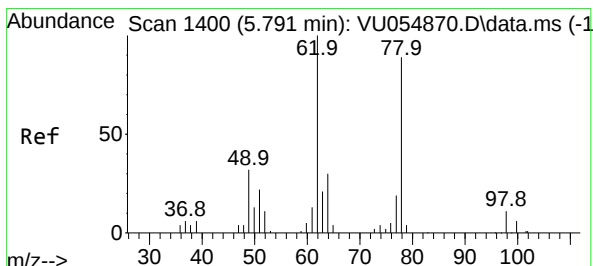
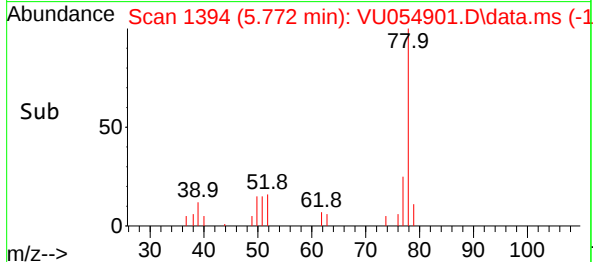
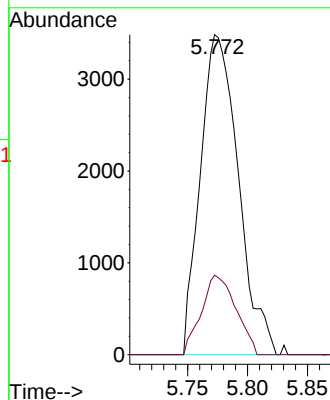
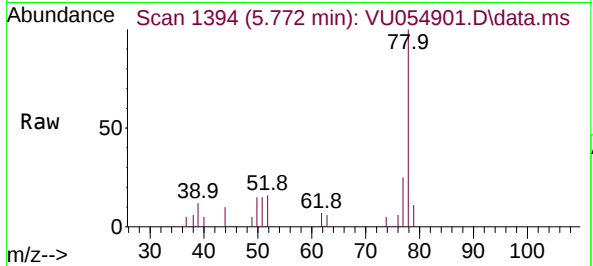
#35
Benzene
Concen: 0.344 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 78 Resp: 766
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.2

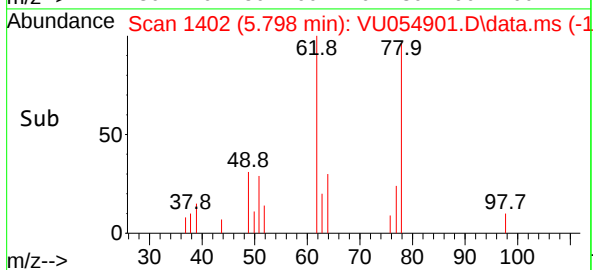
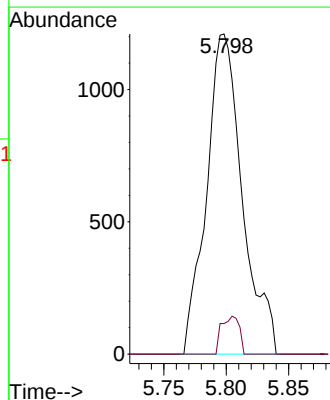
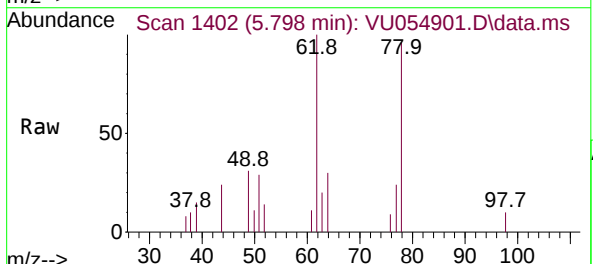
Manual Integrations
APPROVED

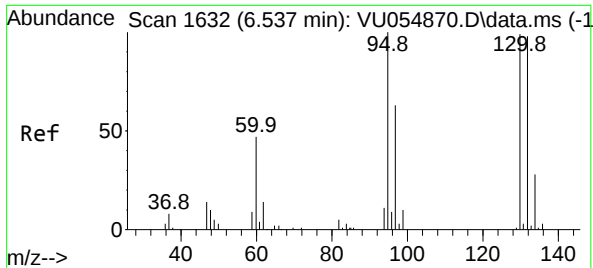
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#36
1,2-Dichloroethane
Concen: 0.382 ug/l
RT: 5.798 min Scan# 1402
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

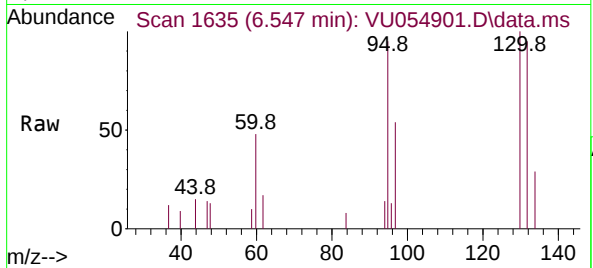
Tgt Ion: 62 Resp: 2423
Ion Ratio Lower Upper
62 100
98 5.8 7.8 11.8#





#37
Trichloroethene
Concen: 0.418 ug/l
RT: 6.547 min Scan# 1710
Delta R.T. 0.010 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

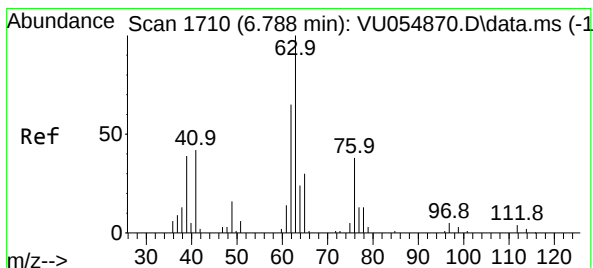
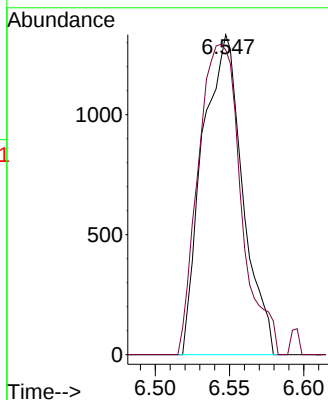
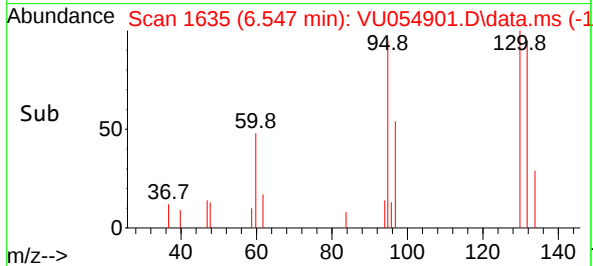
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



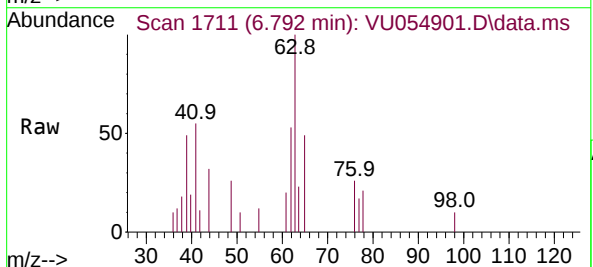
Tgt Ion:130 Resp: 2504
Ion Ratio Lower Upper
130 100
95 95.3 76.8 115.2

Manual Integrations
APPROVED

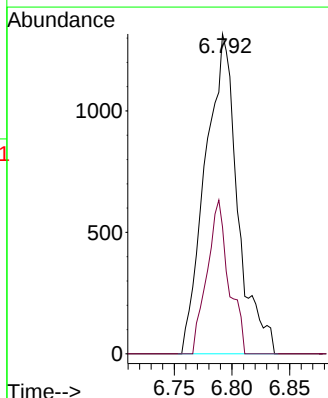
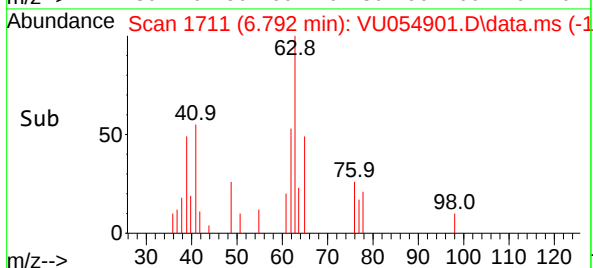
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

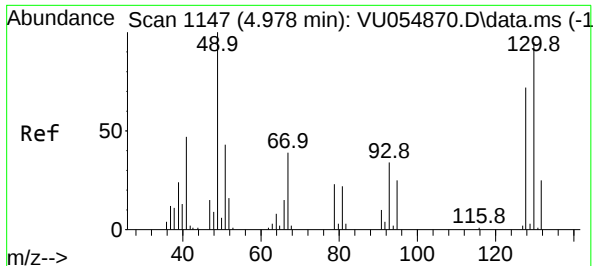


#38
1,2-Dichloropropane
Concen: 0.407 ug/l
RT: 6.792 min Scan# 1711
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



Tgt Ion: 63 Resp: 2564
Ion Ratio Lower Upper
63 100
65 39.6 24.3 36.5#





#39

Methacrylonitrile

Concen: 0.288 ug/l m

RT: 4.988 min Scan# 1147

Delta R.T. 0.010 min

Lab File: VU054901.D

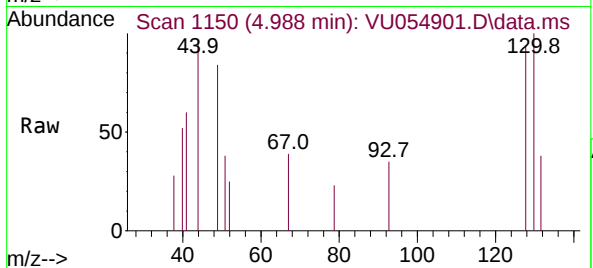
Acq: 27 Jul 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023



Tgt Ion: 41 Resp: 450

Ion Ratio Lower Upper

41 100

67 78.0 77.0 115.4

39 44.9 50.4 75.6

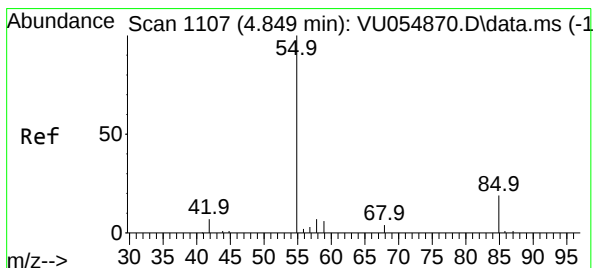
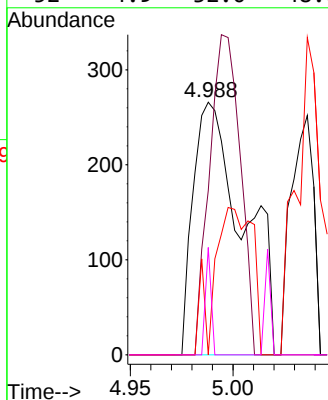
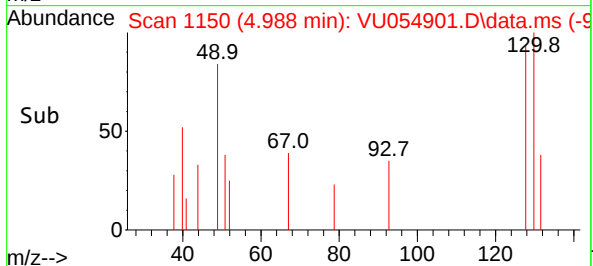
52 4.9 32.0 48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#40

Methyl acrylate

Concen: 0.423 ug/l m

RT: 4.891 min Scan# 1120

Delta R.T. 0.042 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

Tgt Ion: 55 Resp: 1051

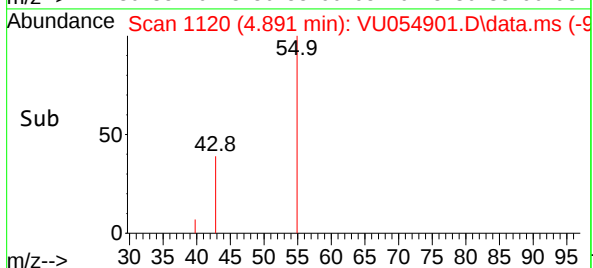
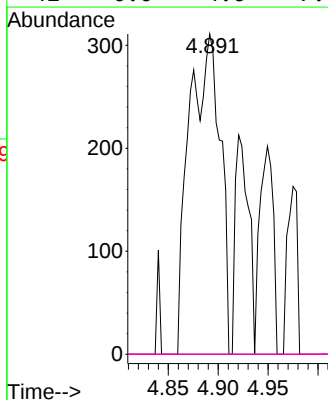
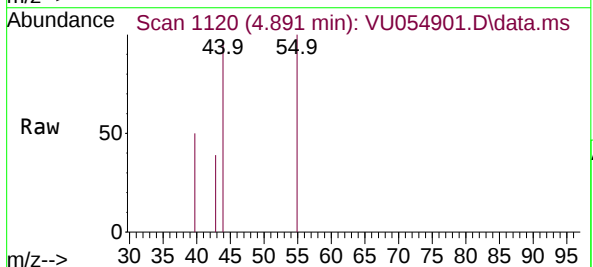
Ion Ratio Lower Upper

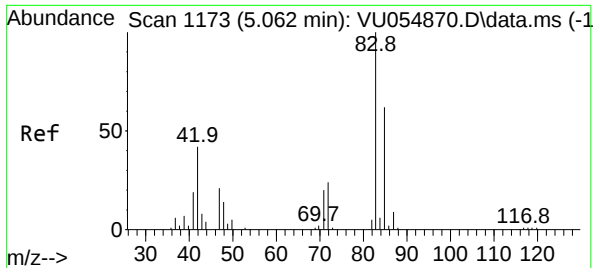
55 100

85 0.0 13.0 19.6#

58 0.0 5.7 8.5#

42 0.0 4.6 7.0#





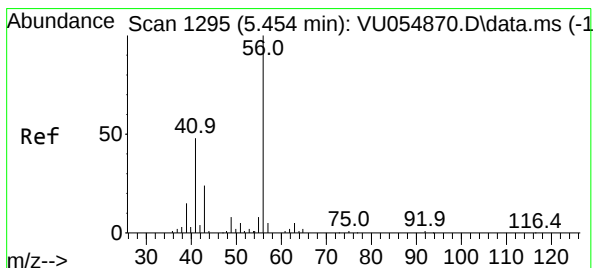
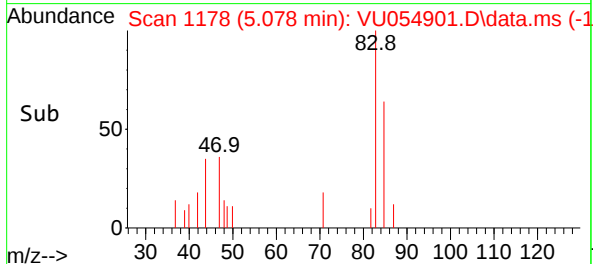
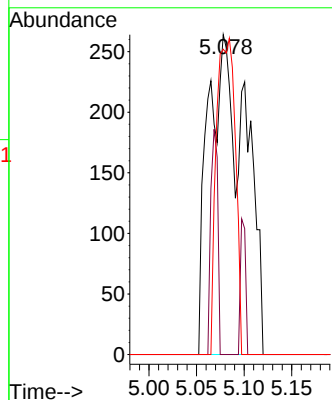
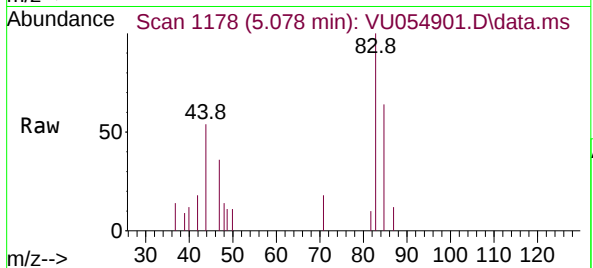
#41
Tetrahydrofuran
Concen: 0.800 ug/l m
RT: 5.078 min Scan# 1173
Delta R.T. 0.016 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023

Tgt Ion: 42 Resp: 715
Ion Ratio Lower Upper
42 100
72 13.1 42.1 63.1
71 0.0 39.7 59.5

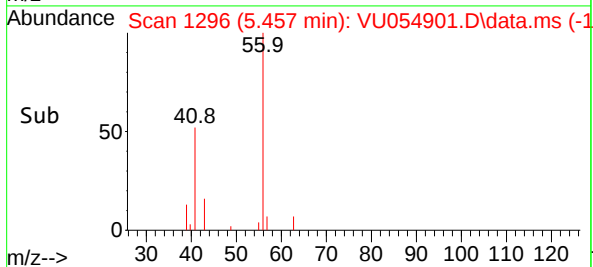
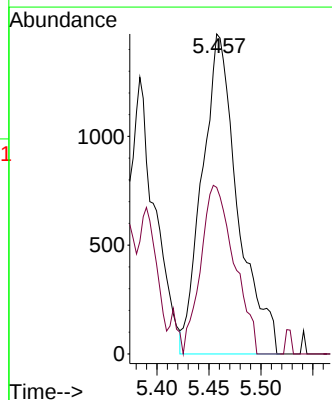
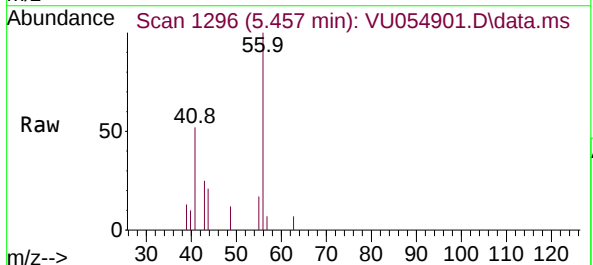
Manual Integrations
APPROVED

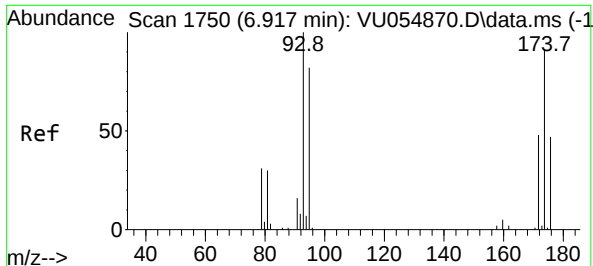
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#42
1-Chlorobutane
Concen: 0.376 ug/l
RT: 5.457 min Scan# 1296
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

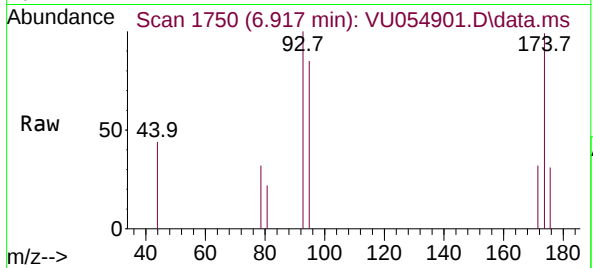
Tgt Ion: 56 Resp: 3502
Ion Ratio Lower Upper
56 100
41 49.5 23.9 71.7





#43
Dibromomethane
Concen: 0.361 ug/l m
RT: 6.917 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

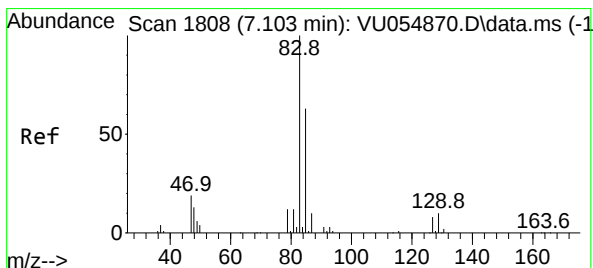
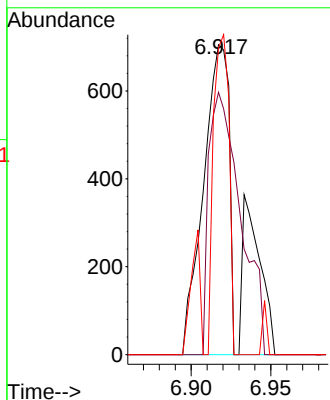
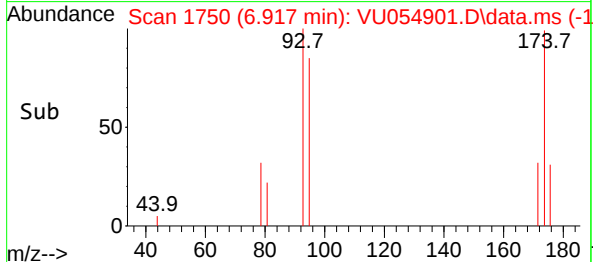
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



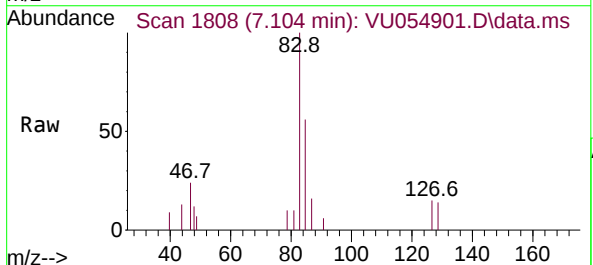
Tgt Ion: 93 Resp: 106
Ion Ratio Lower Upper
93 100
95 77.6 64.7 97.1
174 46.3 74.4 111.6

Manual Integrations
APPROVED

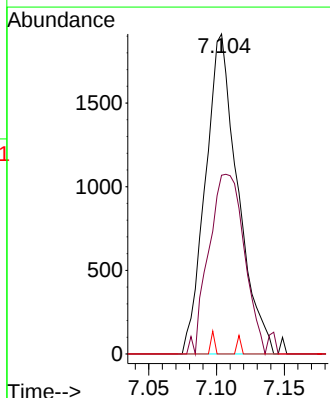
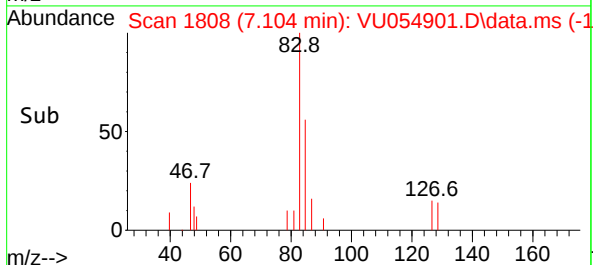
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

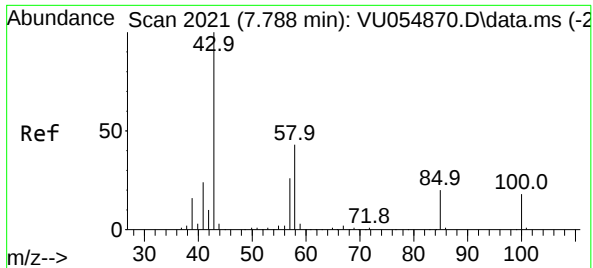


#44
Bromodichloromethane
Concen: 0.384 ug/l
RT: 7.104 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



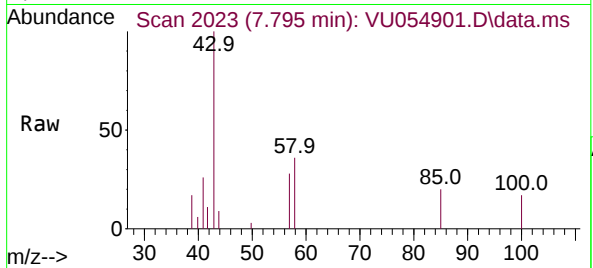
Tgt Ion: 83 Resp: 3168
Ion Ratio Lower Upper
83 100
85 55.9 52.2 78.2
127 0.0 6.1 9.1





#45
4-Methyl-2-Pentanone
Concen: 2.096 ug/l
RT: 7.795 min Scan# 2021
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

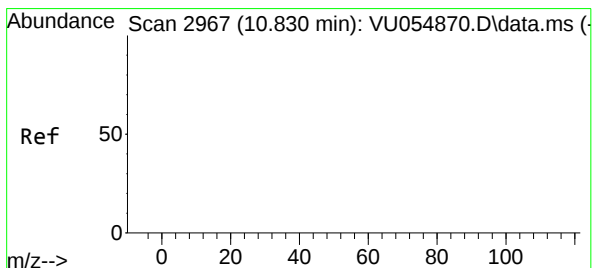
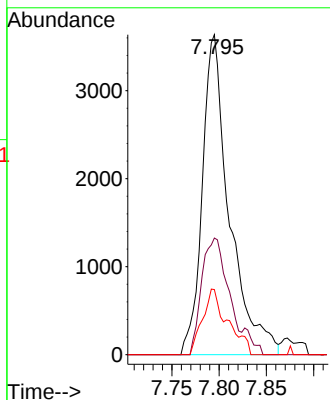
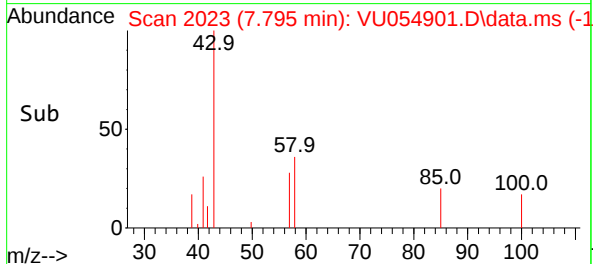
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 723
Ion Ratio Lower Upper
43 100
58 35.5 21.3 63.7
85 19.0 15.3 22.9

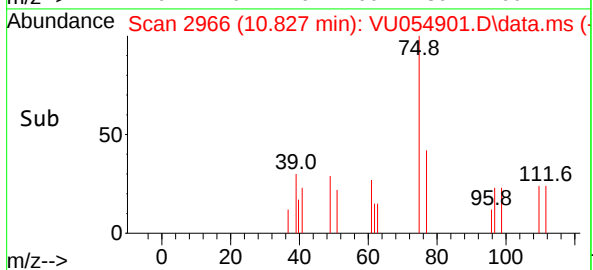
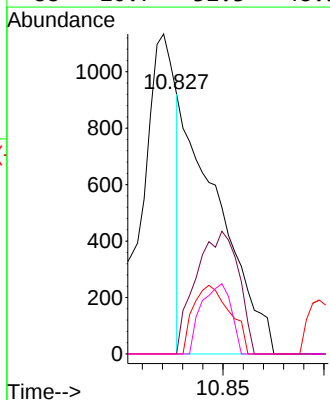
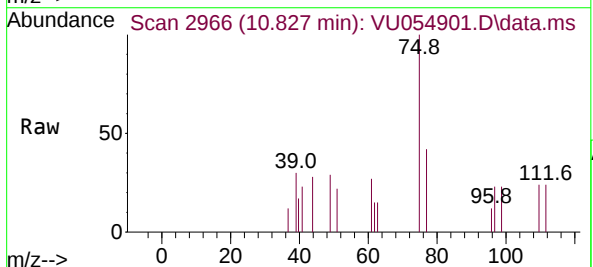
Manual Integrations
APPROVED

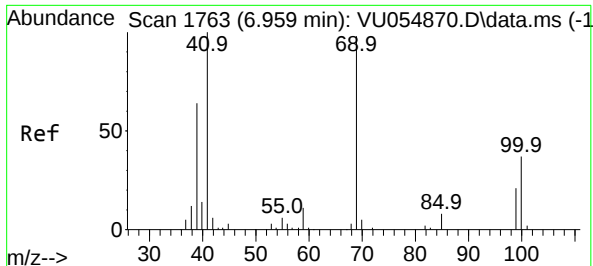
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#46
t-1,4-Dichloro-2-butene
Concen: 0.882 ug/l m
RT: 10.827 min Scan# 2966
Delta R.T. -0.003 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Tgt Ion: 75 Resp: 1226
Ion Ratio Lower Upper
75 100
53 52.0 62.9 94.3#
89 25.1 47.8 71.8#
88 20.7 32.3 48.5#





#47

Methyl methacrylate

Concen: 0.685 ug/l

RT: 6.962 min Scan# 1764

Delta R.T. 0.004 min

Lab File: VU054901.D

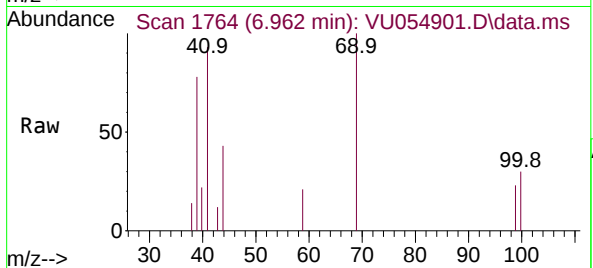
Acq: 27 Jul 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023



Tgt Ion: 69 Resp: 185

Ion Ratio Lower Upper

69 100

41 109.3 0.0 193.0

39 78.1 50.4 75.6

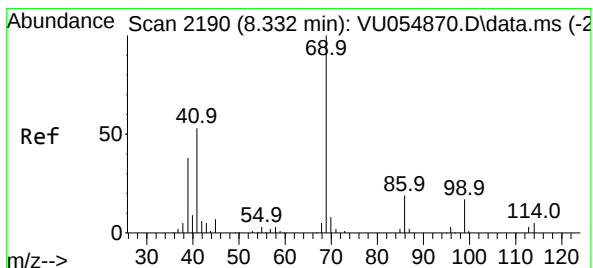
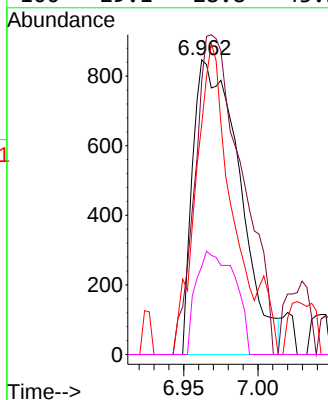
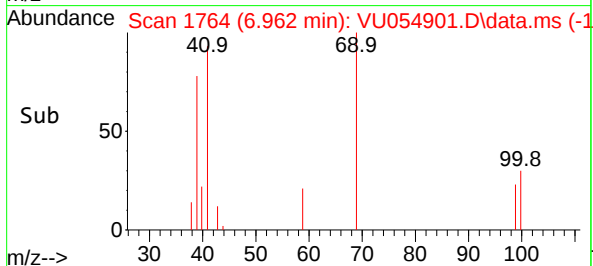
100 29.1 28.8 43.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#48

Ethyl methacrylate

Concen: 0.391 ug/l

RT: 8.332 min Scan# 2190

Delta R.T. 0.000 min

Lab File: VU054901.D

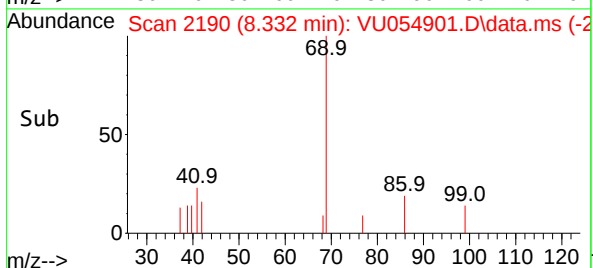
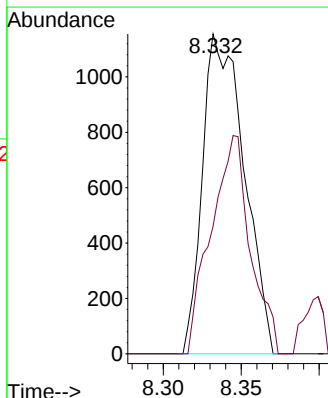
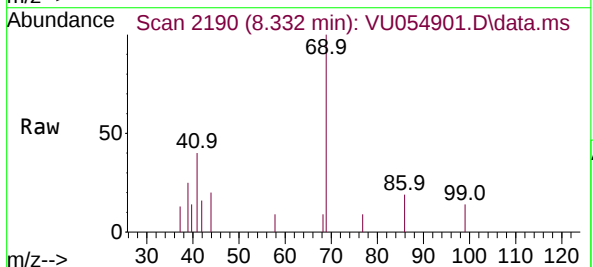
Acq: 27 Jul 2023 18:07

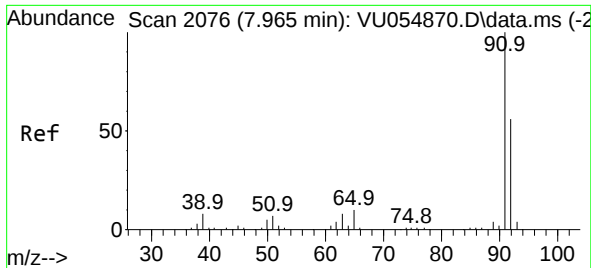
Tgt Ion: 69 Resp: 2141

Ion Ratio Lower Upper

69 100

41 64.3 28.8 86.5





#49

Toluene

Concen: 0.391 ug/l

RT: 7.969 min Scan# 2076

Delta R.T. 0.004 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 92 Resp: 555

Ion Ratio Lower Upper

92 100

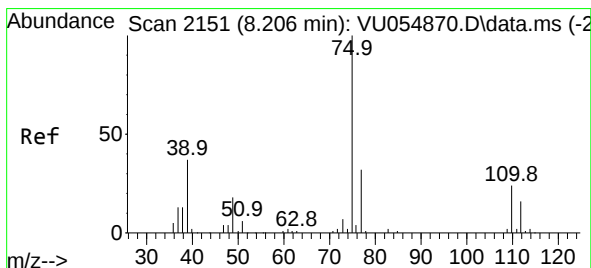
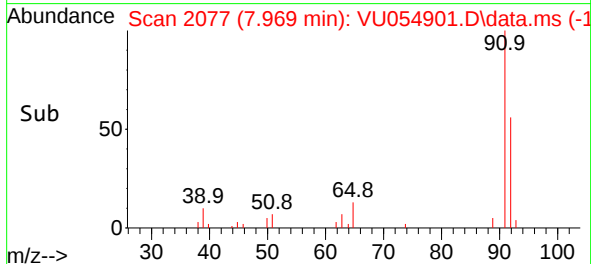
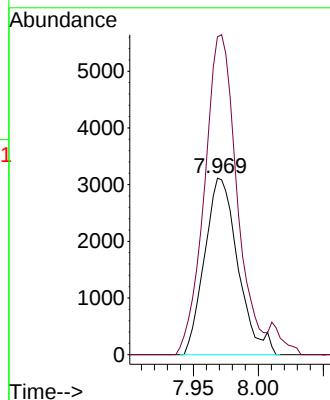
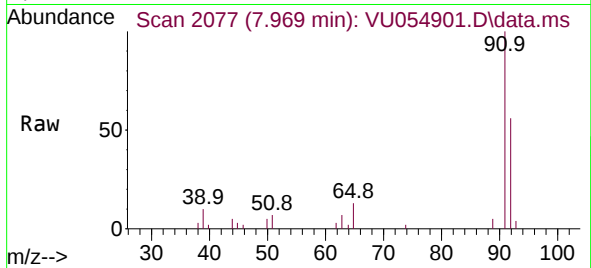
91 177.0 142.9 214.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#50

t-1,3-Dichloropropene

Concen: 0.342 ug/l

RT: 8.216 min Scan# 2154

Delta R.T. 0.010 min

Lab File: VU054901.D

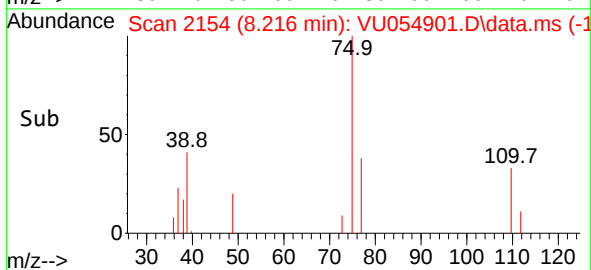
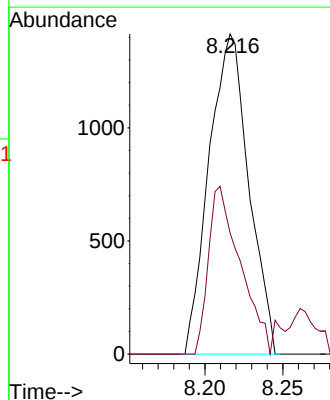
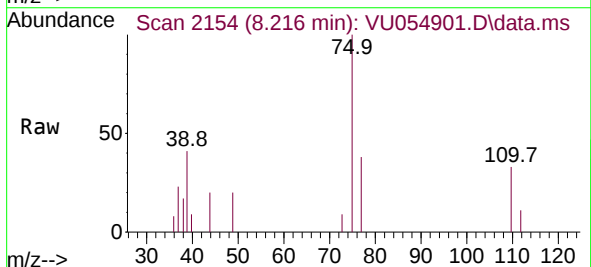
Acq: 27 Jul 2023 18:07

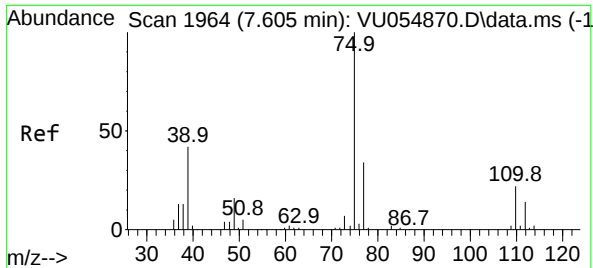
Tgt Ion: 75 Resp: 2507

Ion Ratio Lower Upper

75 100

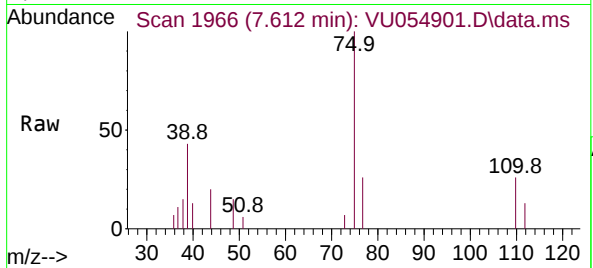
77 37.8 24.9 37.3#





#51
 cis-1,3-Dichloropropene
 Concen: 0.349 ug/l
 RT: 7.612 min Scan# 1966
 Delta R.T. 0.007 min
 Lab File: VU054901.D
 Acq: 27 Jul 2023 18:07

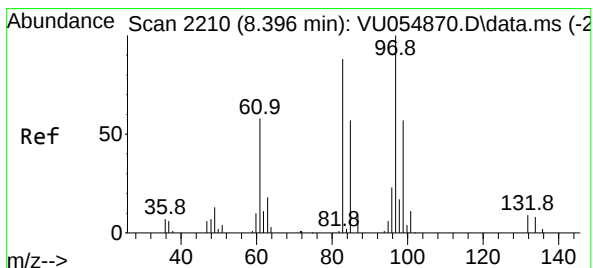
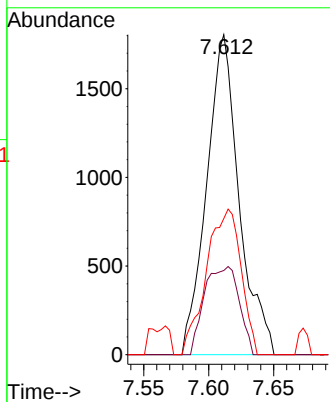
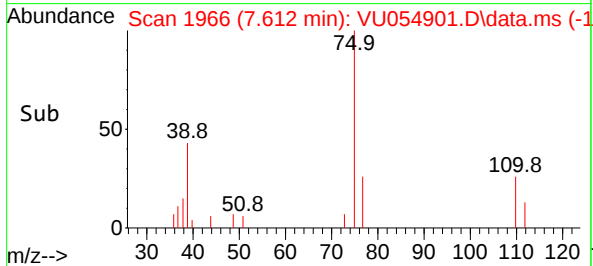
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 75 Resp: 3138
 Ion Ratio Lower Upper
 75 100
 77 26.3 25.8 38.8
 39 42.5 31.7 47.5

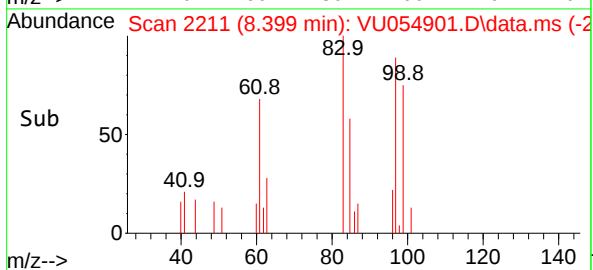
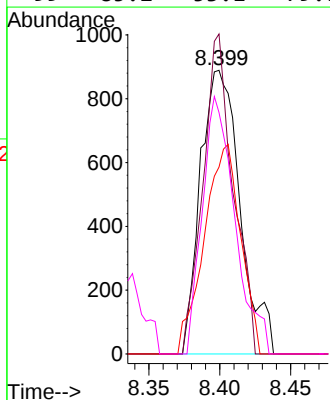
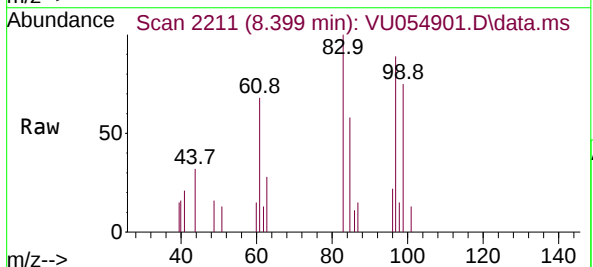
Manual Integrations
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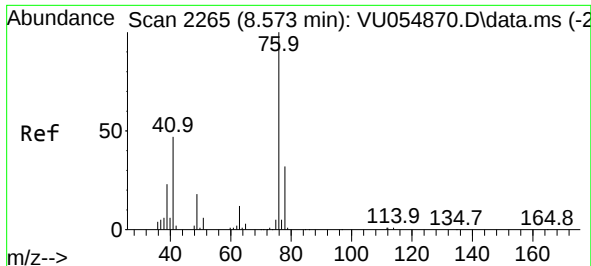
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.368 ug/l
 RT: 8.399 min Scan# 2211
 Delta R.T. 0.004 min
 Lab File: VU054901.D
 Acq: 27 Jul 2023 18:07

Tgt Ion: 97 Resp: 1726
 Ion Ratio Lower Upper
 97 100
 83 112.8 77.4 116.2
 85 65.9 47.8 71.8
 99 85.2 53.1 79.7#





#53

1,3-Dichloropropane

Concen: 0.415 ug/l

RT: 8.576 min Scan# 2152

Delta R.T. 0.004 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

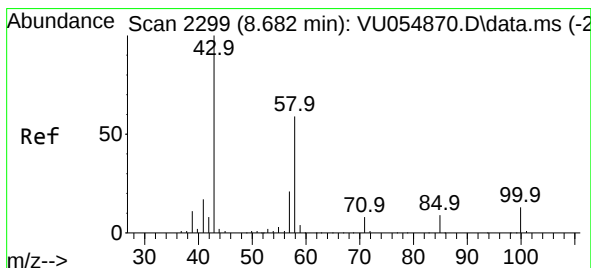
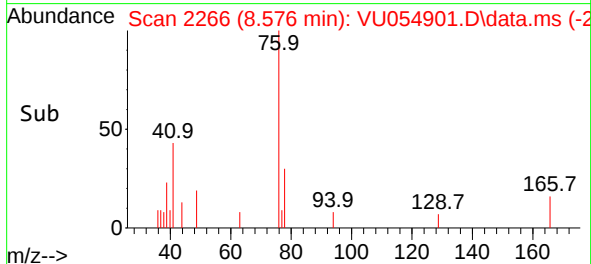
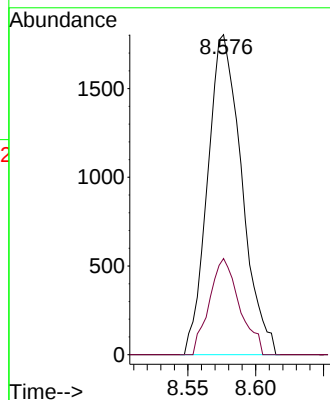
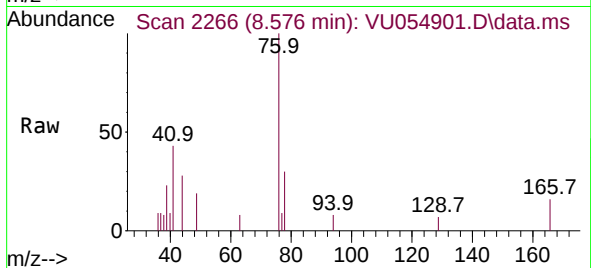
Tgt Ion:	76	Resp:	3152
Ion Ratio	Lower	Upper	
76	100		
78	26.6	24.6	36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#54

2-Hexanone

Concen: 2.003 ug/l

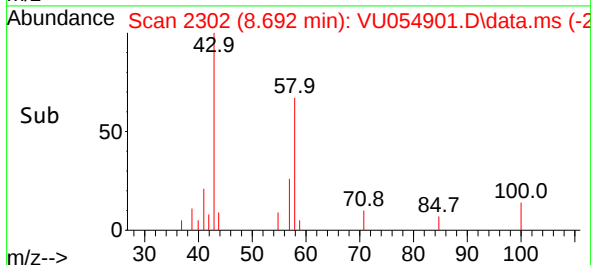
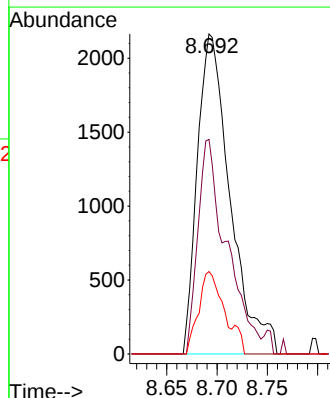
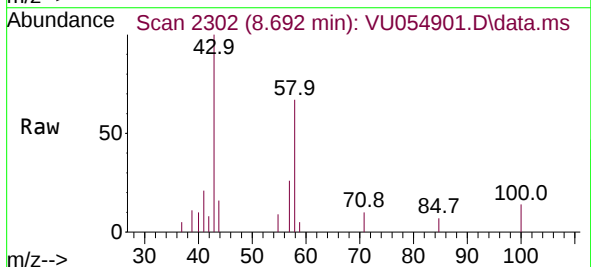
RT: 8.692 min Scan# 2302

Delta R.T. 0.010 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

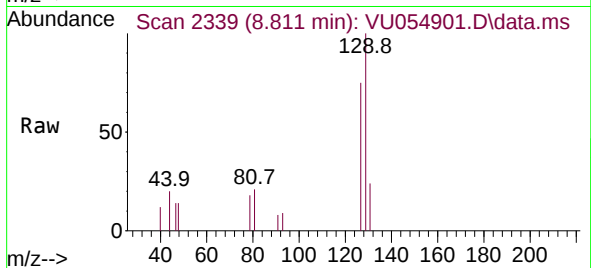
Tgt Ion:	43	Resp:	4914
Ion Ratio	Lower	Upper	
43	100		
58	58.6	38.9	78.9
57	18.5	0.0	38.7





#55
Dibromochloromethane
Concen: 0.340 ug/l
RT: 8.811 min Scan# 2130
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

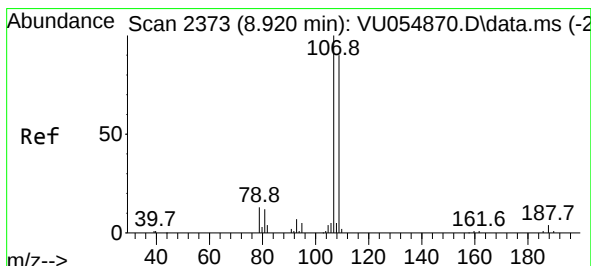
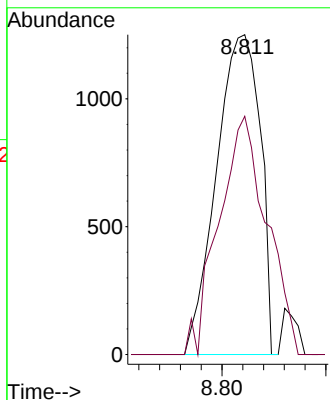
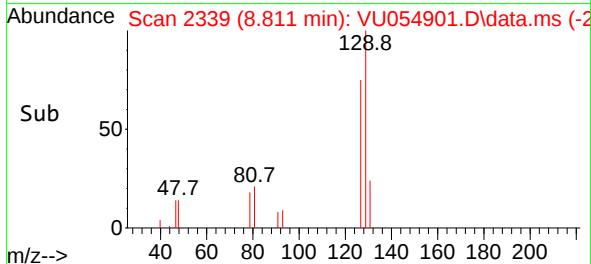
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



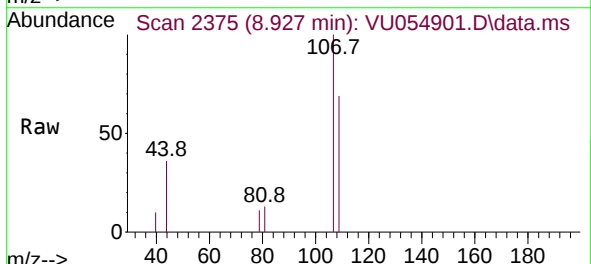
Tgt Ion:129 Resp: 1830
Ion Ratio Lower Upper
129 100
127 81.6 61.4 92.0

Manual Integrations
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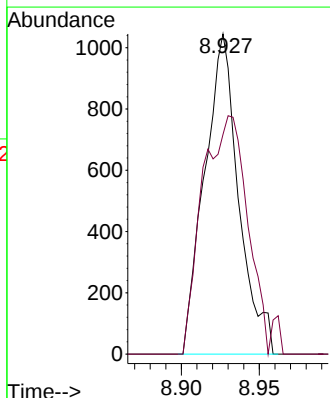
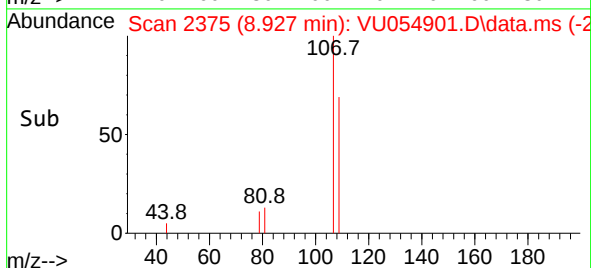
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

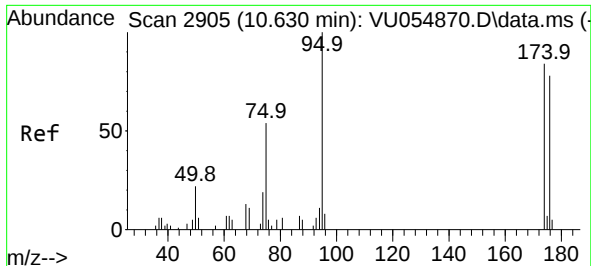


#56
1,2-Dibromoethane
Concen: 0.399 ug/l
RT: 8.927 min Scan# 2375
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



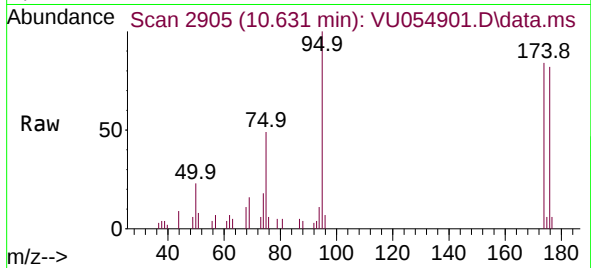
Tgt Ion:107 Resp: 1586
Ion Ratio Lower Upper
107 100
109 98.4 0.0 185.4





#57
4-Bromofluorobenzene
Concen: 1.081 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

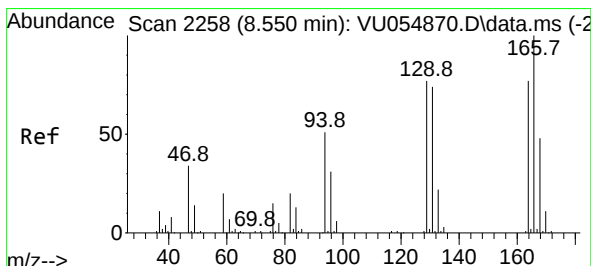
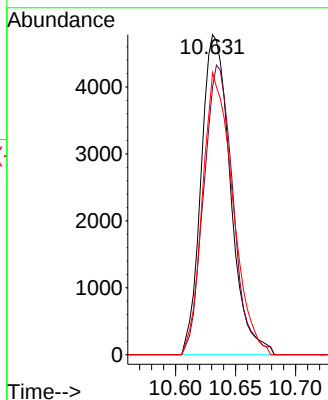
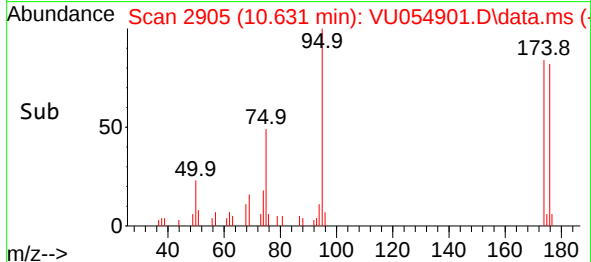
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 95 Resp: 8110
Ion Ratio Lower Upper
95 100
174 90.4 79.3 118.9
176 91.3 71.5 107.3

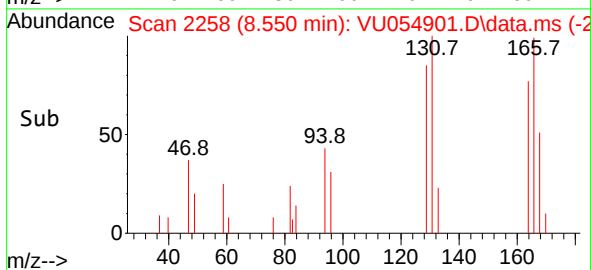
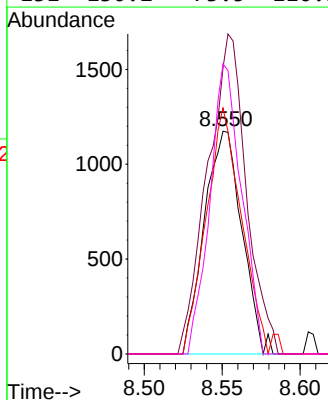
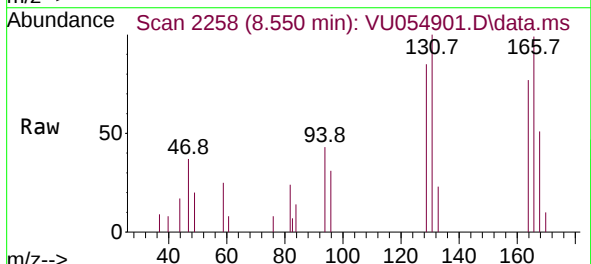
Manual Integrations
APPROVED

Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#58
Tetrachloroethene
Concen: 0.376 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

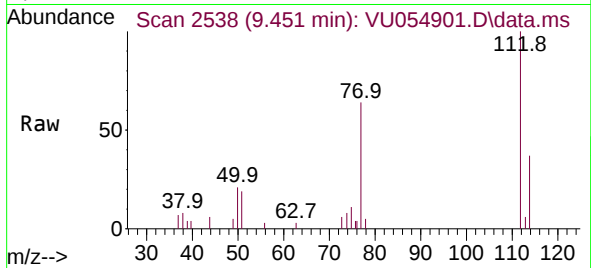
Tgt Ion:164 Resp: 1967
Ion Ratio Lower Upper
164 100
166 128.4 100.4 150.6
129 110.4 71.9 107.9#
131 130.2 73.5 110.3#





#59
Chlorobenzene
Concen: 0.372 ug/l
RT: 9.451 min Scan# 2538
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

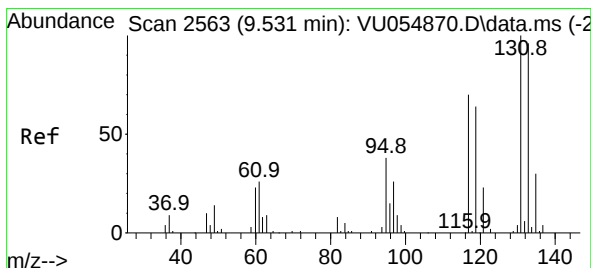
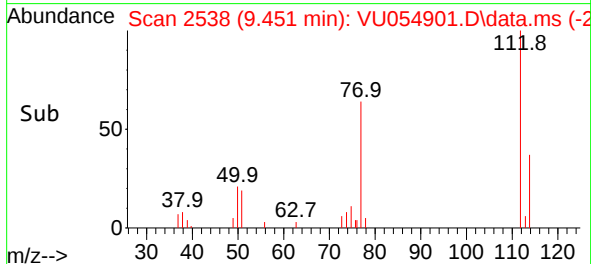
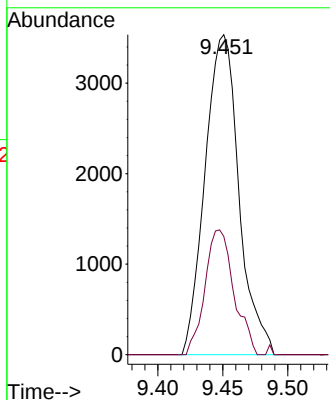
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:112 Resp: 6410
Ion Ratio Lower Upper
112 100
114 37.0 25.0 37.6

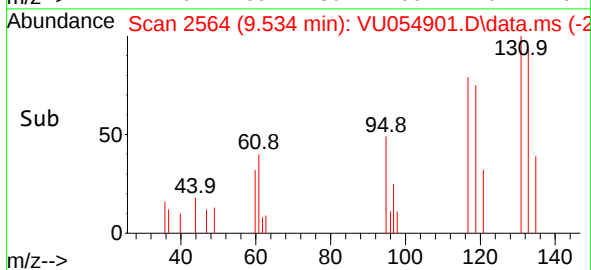
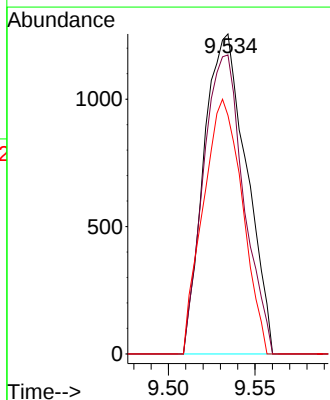
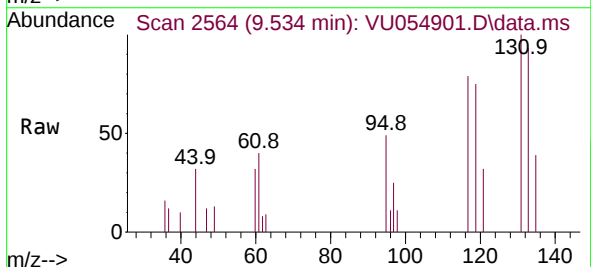
Manual Integrations
APPROVED

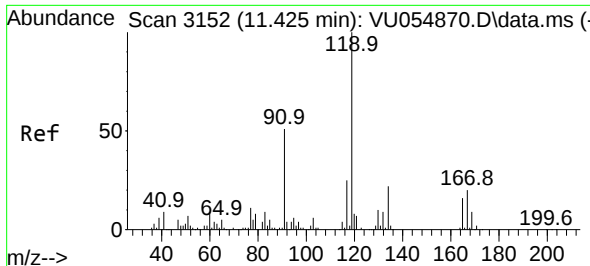
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 0.353 ug/l
RT: 9.534 min Scan# 2564
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Tgt Ion:131 Resp: 2147
Ion Ratio Lower Upper
131 100
133 88.4 74.2 111.4
119 73.5 51.0 76.4





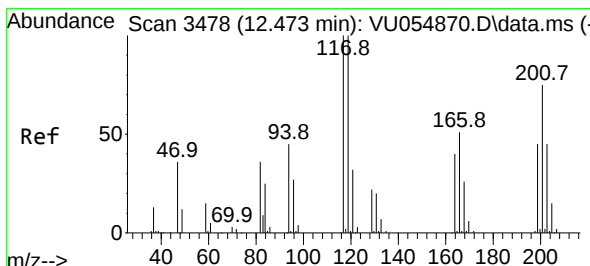
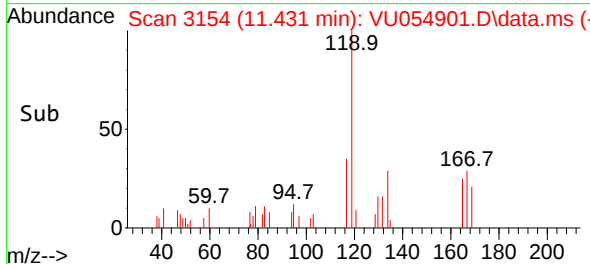
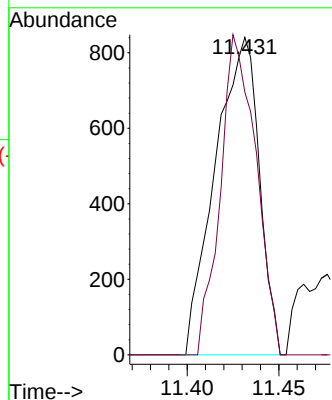
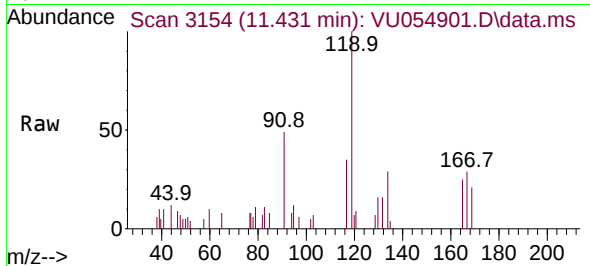
#61
Pentachloroethane
Concen: 0.295 ug/l
RT: 11.431 min Scan# 3152
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:117 Resp: 140
Ion Ratio Lower Upper
117 100
167 81.6 65.3 97.9

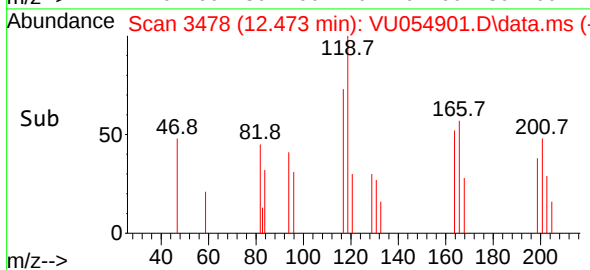
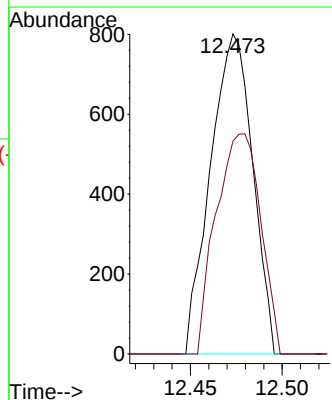
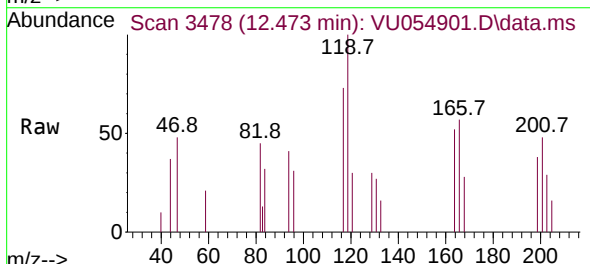
Manual Integrations
APPROVED

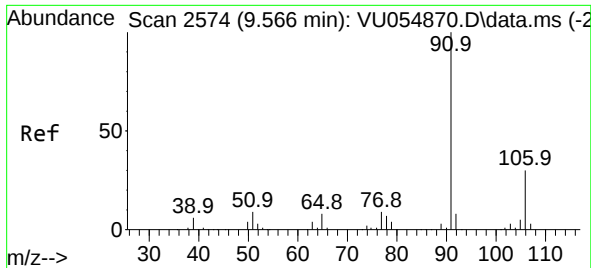
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#62
Hexachloroethane
Concen: 0.262 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Tgt Ion:117 Resp: 1279
Ion Ratio Lower Upper
117 100
201 72.6 56.1 84.1





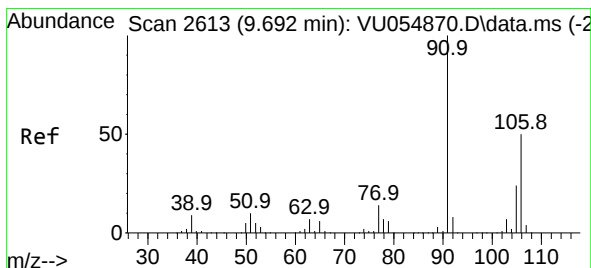
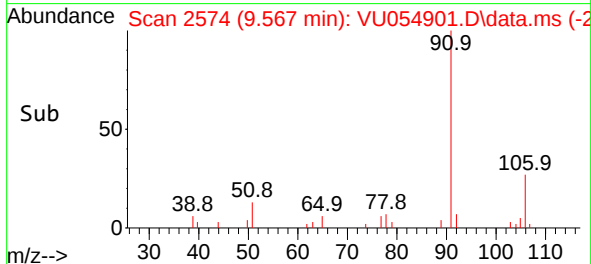
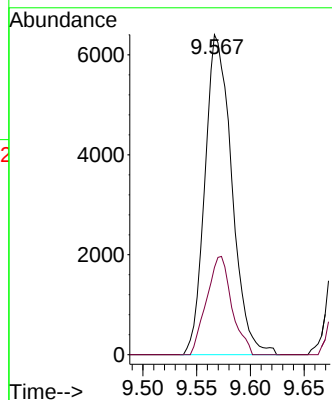
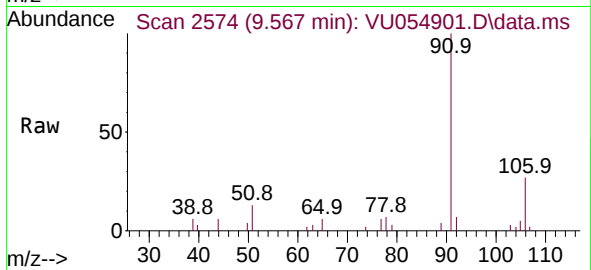
#63
Ethyl Benzene
Concen: 0.385 ug/l
RT: 9.567 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 1112
Ion Ratio Lower Upper
91 100
106 27.2 24.2 36.2

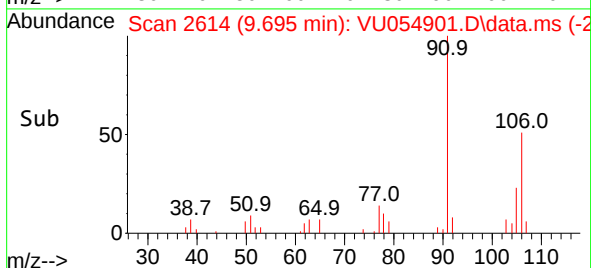
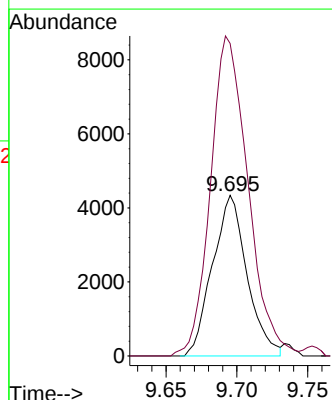
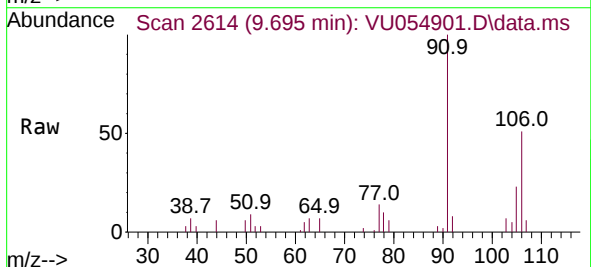
Manual Integrations
APPROVED

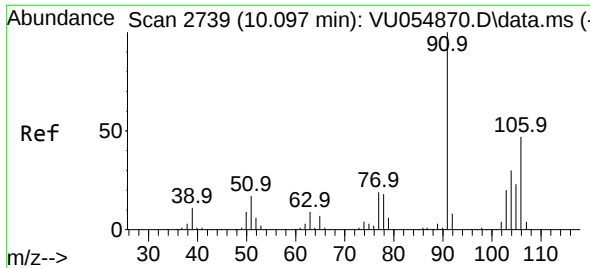
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#64
m/p-Xylenes
Concen: 0.680 ug/l
RT: 9.695 min Scan# 2614
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Tgt Ion:106 Resp: 7356
Ion Ratio Lower Upper
106 100
91 216.1 158.8 238.2





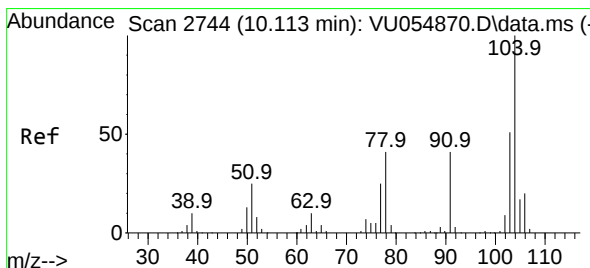
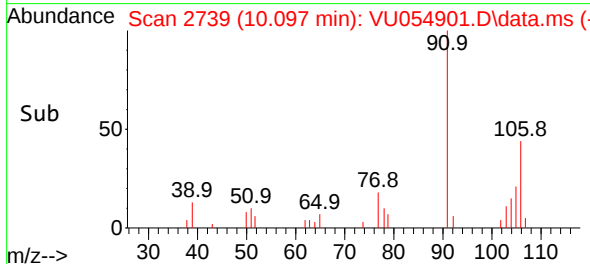
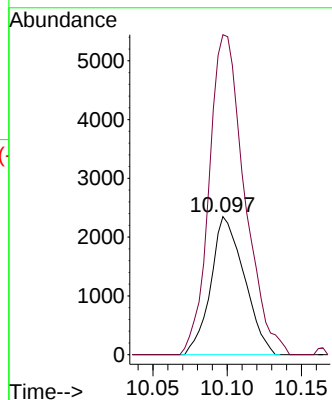
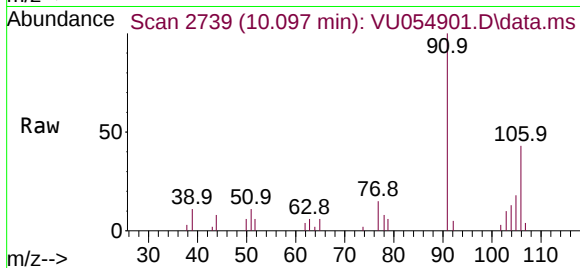
#65
o-Xylene
Concen: 0.331 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:106 Resp: 367
Ion Ratio Lower Upper
106 100
91 245.6 108.9 326.8

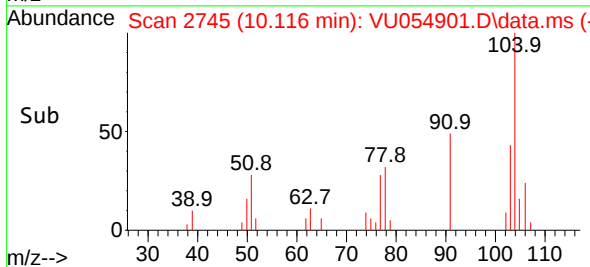
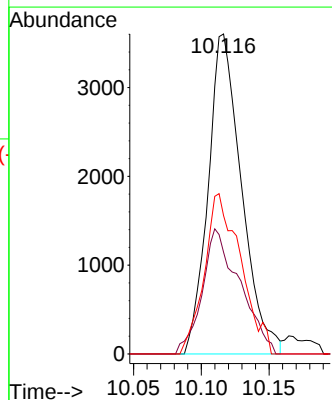
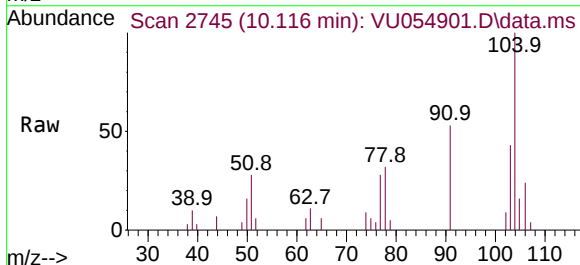
Manual Integrations
APPROVED

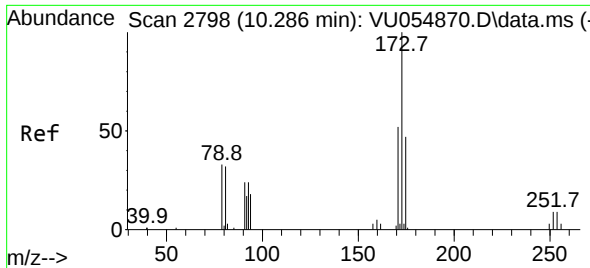
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#66
Styrene
Concen: 0.348 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

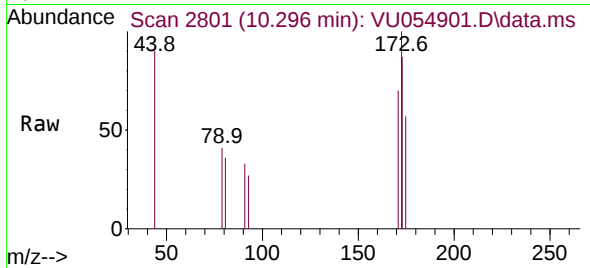
Tgt Ion:104 Resp: 6182
Ion Ratio Lower Upper
104 100
78 44.0 37.5 56.3
103 54.5 45.2 67.8





#67
Bromoform
Concen: 0.401 ug/l m
RT: 10.296 min Scan# 2798
Delta R.T. 0.010 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

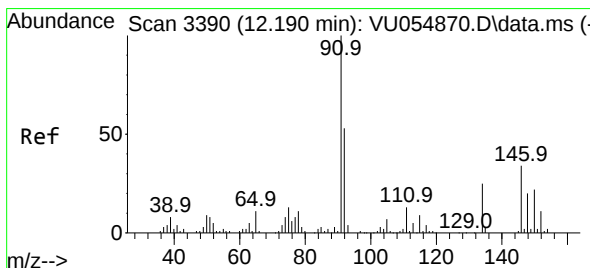
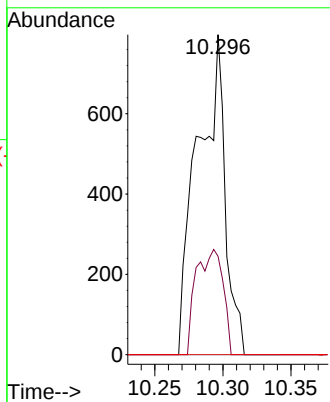
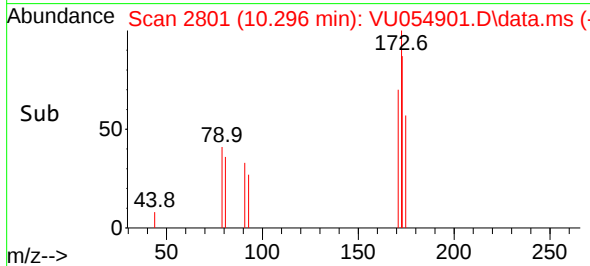
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



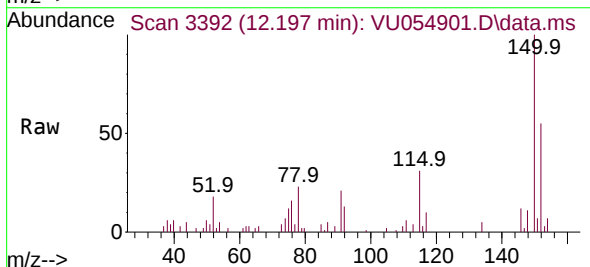
Tgt Ion:173 Resp: 111
Ion Ratio Lower Upper
173 100
175 0.0 39.0 58.6
254 0.0 7.4 11.0

Manual Integrations
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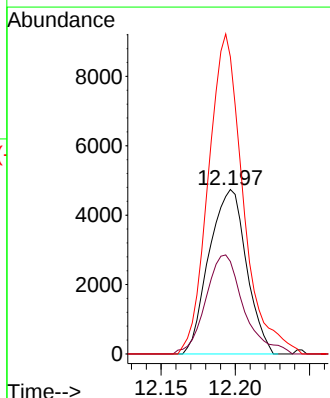
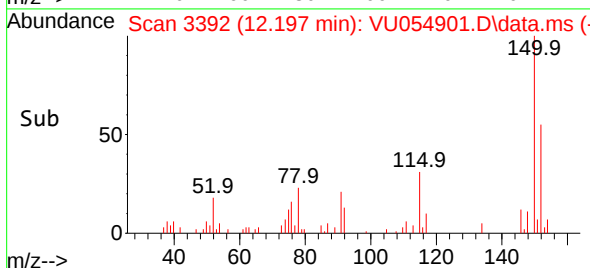
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

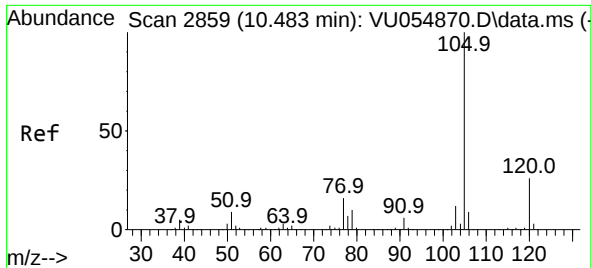


#68
1,2-Dichlorobenzene-d4
Concen: 0.977 ug/l
RT: 12.197 min Scan# 3392
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



Tgt Ion:152 Resp: 8281
Ion Ratio Lower Upper
152 100
115 60.8 0.0 234.8
150 180.5 0.0 598.2





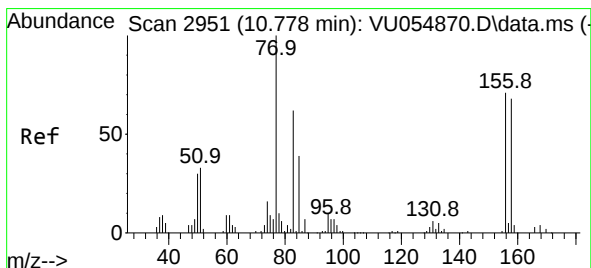
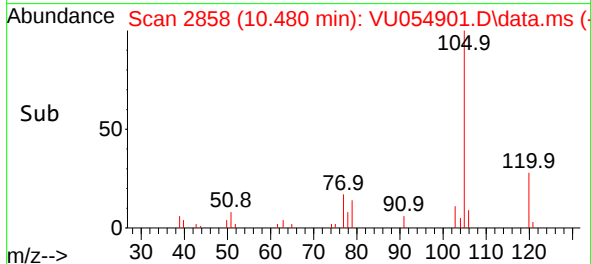
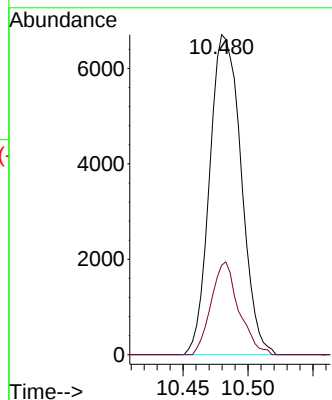
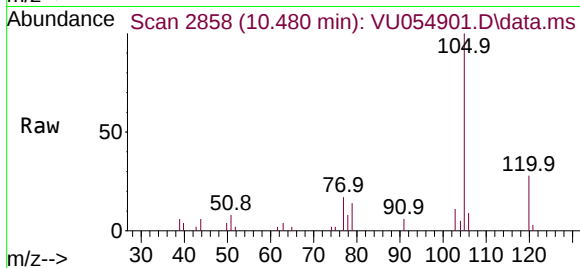
#69
Isopropylbenzene
Concen: 0.379 ug/l
RT: 10.480 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:105 Resp: 1130
Ion Ratio Lower Upper
105 100
120 25.5 12.6 37.6

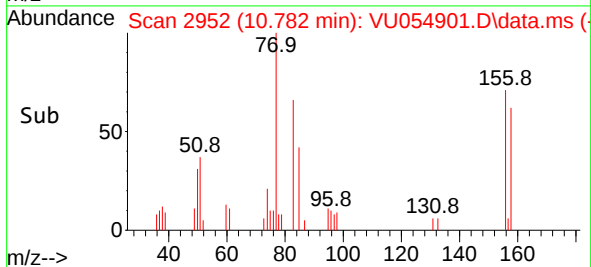
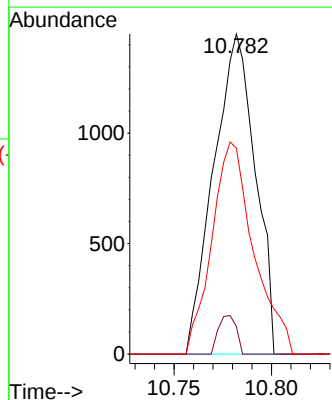
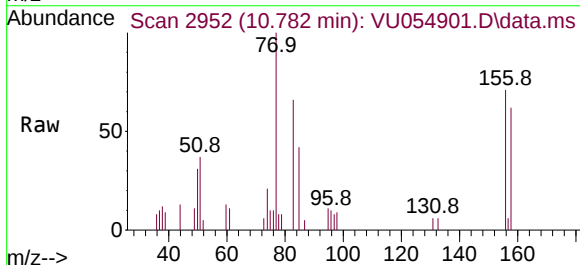
Manual Integrations
APPROVED

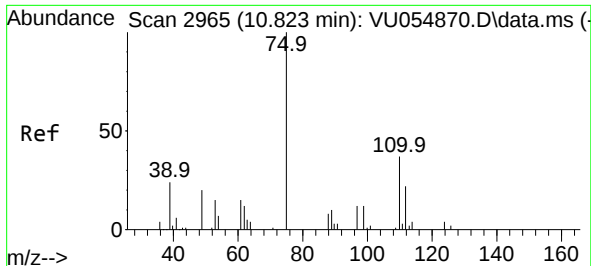
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 0.370 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

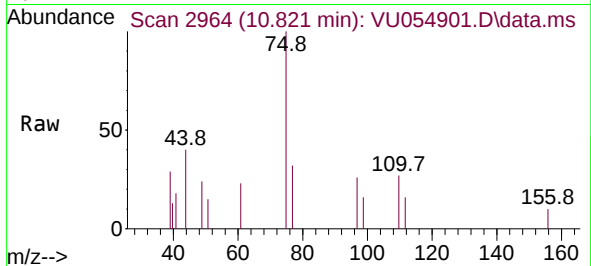
Tgt Ion: 83 Resp: 2149
Ion Ratio Lower Upper
83 100
131 5.2 7.5 11.3#
85 66.7 53.0 79.6





#71
1,2,3-Trichloropropane
Concen: 0.484 ug/l m
RT: 10.821 min Scan# 2964
Delta R.T. -0.003 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

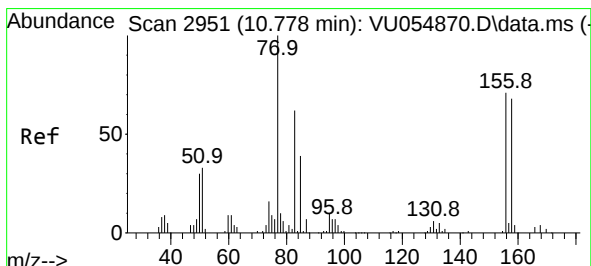
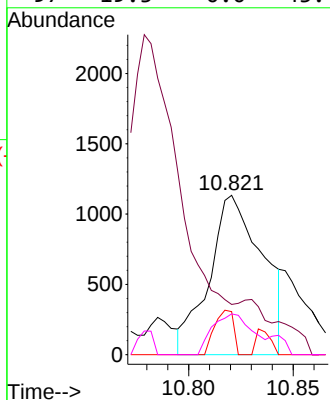
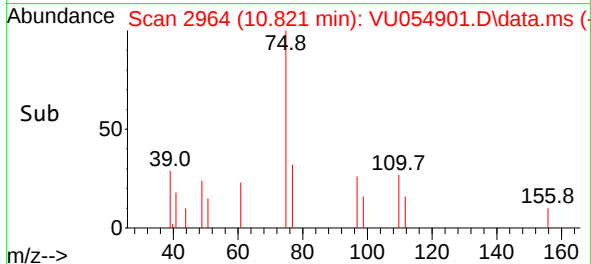
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



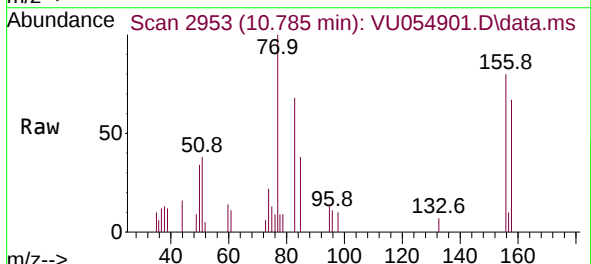
Tgt Ion: 75 Resp: 2000
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 10.0 0.0 80.8
97 19.3 0.0 43.4

Manual Integrations
APPROVED

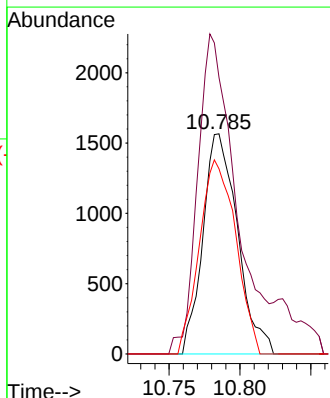
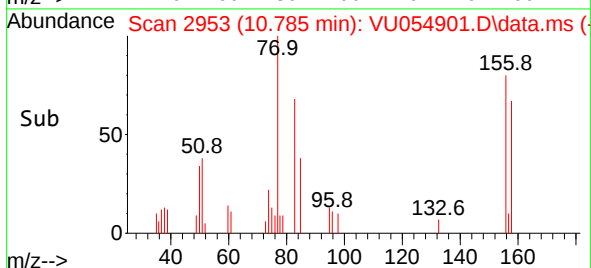
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

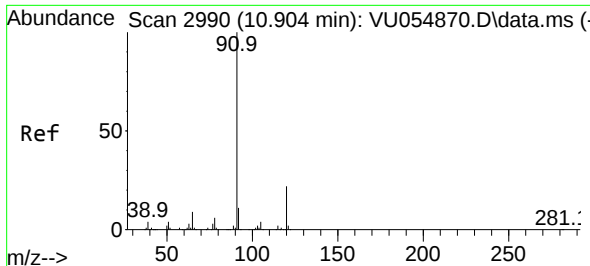


#72
Bromobenzene
Concen: 0.401 ug/l
RT: 10.785 min Scan# 2953
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



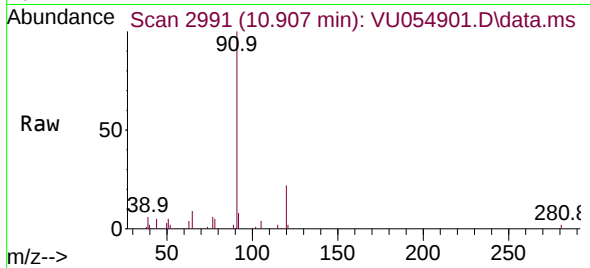
Tgt Ion:156 Resp: 2665
Ion Ratio Lower Upper
156 100
77 157.5 0.0 293.2
158 92.5 0.0 189.8





#73
n-propylbenzene
Concen: 0.344 ug/l
RT: 10.907 min Scan# 2990
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

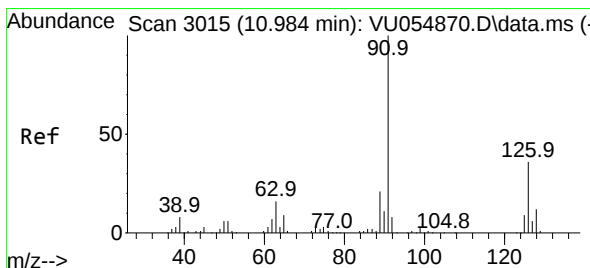
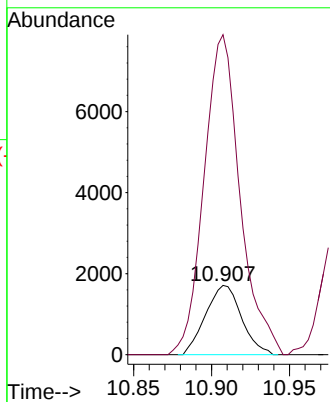
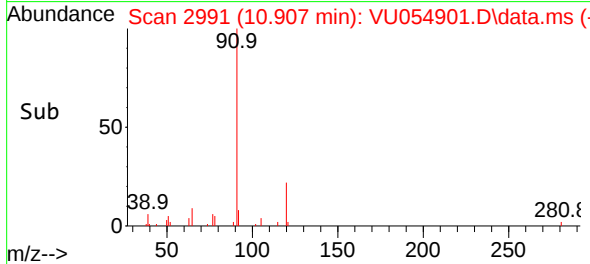
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



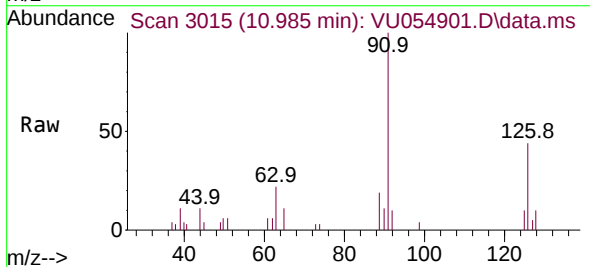
Tgt Ion:120 Resp: 2744
Ion Ratio Lower Upper
120 100
91 463.0 361.8 542.6

Manual Integrations
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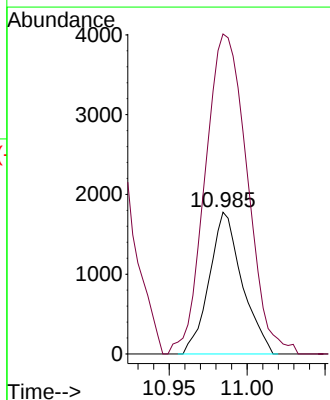
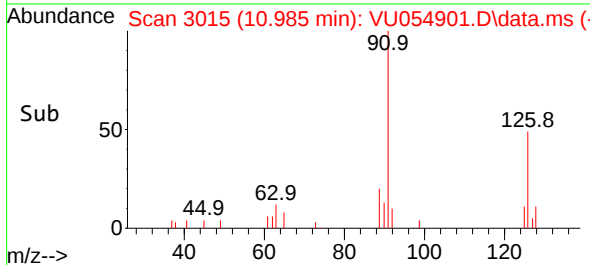
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

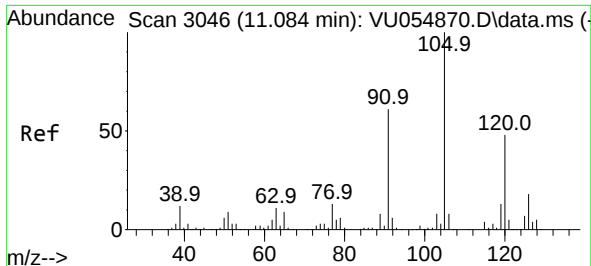


#74
2-Chlorotoluene
Concen: 0.377 ug/l
RT: 10.985 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



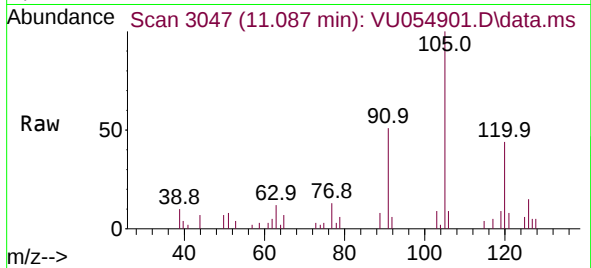
Tgt Ion:126 Resp: 2607
Ion Ratio Lower Upper
126 100
91 288.0 0.0 561.4





#75
1,3,5-Trimethylbenzene
Concen: 0.374 ug/l
RT: 11.087 min Scan# 3046
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

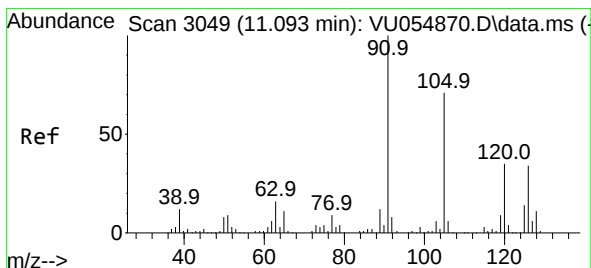
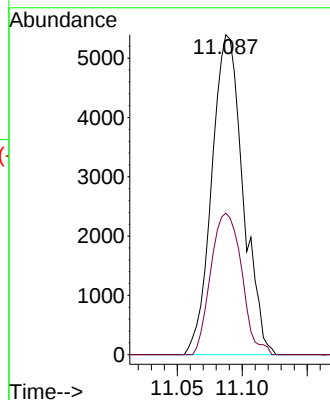
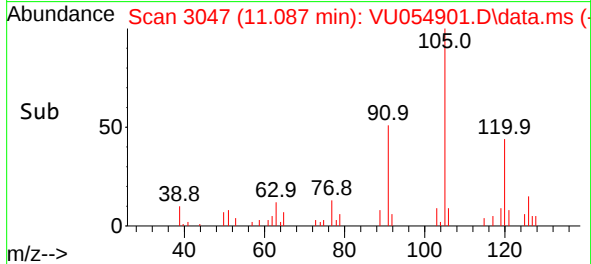
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:105 Resp: 903
Ion Ratio Lower Upper
105 100
120 43.6 39.0 58.4

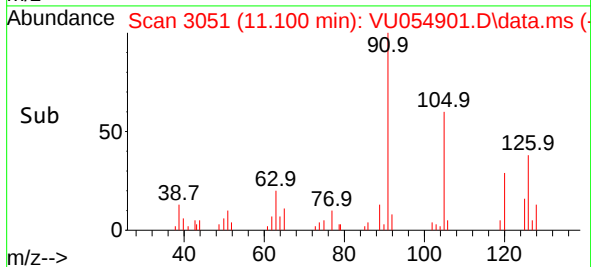
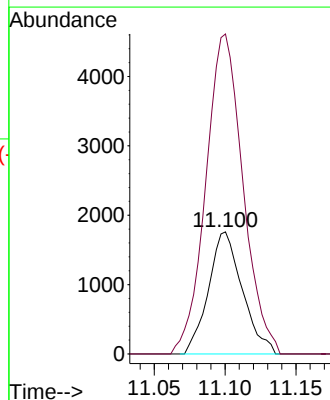
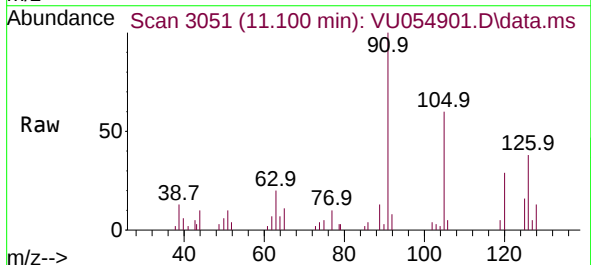
Manual Integrations
APPROVED

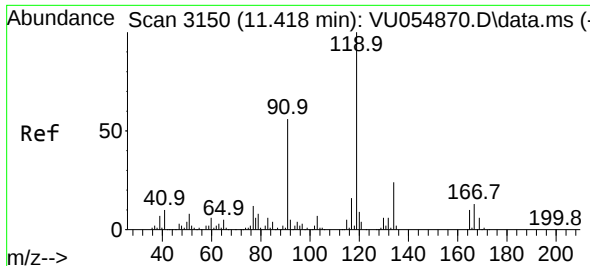
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#76
4-Chlorotoluene
Concen: 0.408 ug/l
RT: 11.100 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

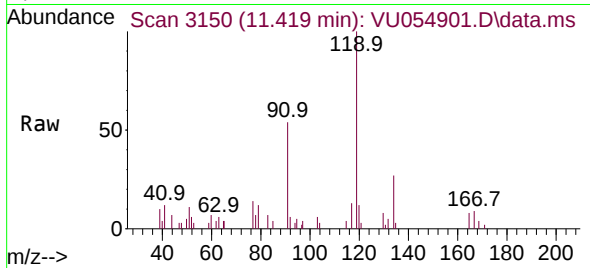
Tgt Ion:126 Resp: 2931
Ion Ratio Lower Upper
126 100
91 287.0 0.0 623.4





#77
tert-Butylbenzene
Concen: 0.346 ug/l
RT: 11.419 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

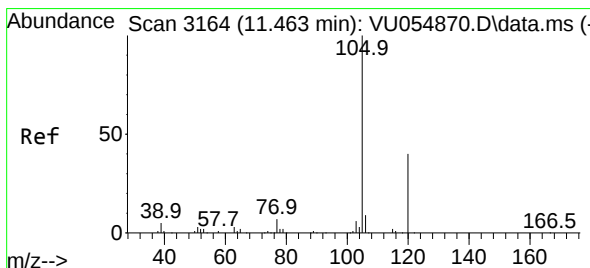
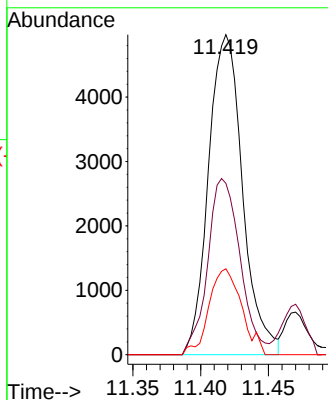
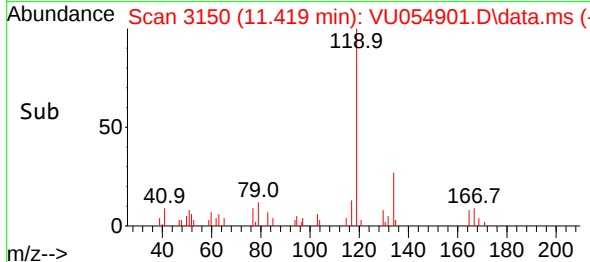
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



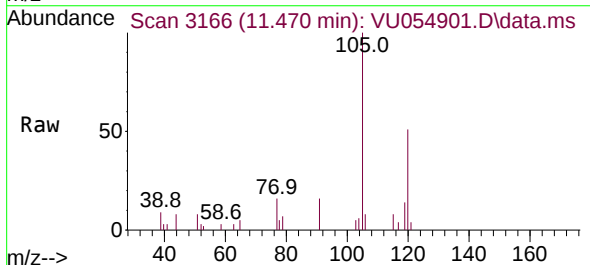
Tgt Ion:119 Resp: 869
Ion Ratio Lower Upper
119 100
91 52.5 27.7 83.1
134 25.6 18.6 27.8

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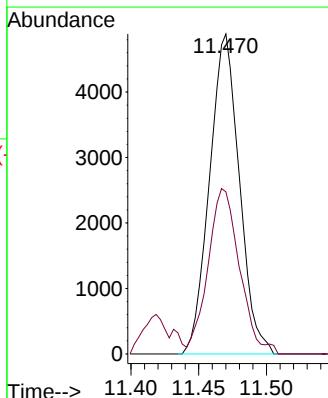
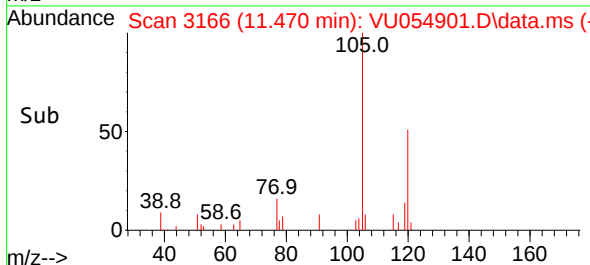
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

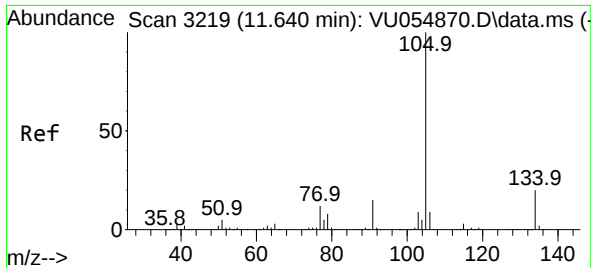


#78
1,2,4-Trimethylbenzene
Concen: 0.302 ug/l
RT: 11.470 min Scan# 3166
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07



Tgt Ion:105 Resp: 7477
Ion Ratio Lower Upper
105 100
120 54.6 22.4 67.3





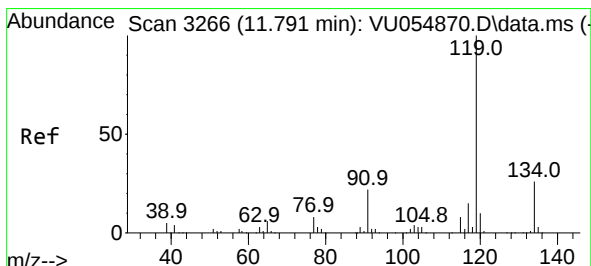
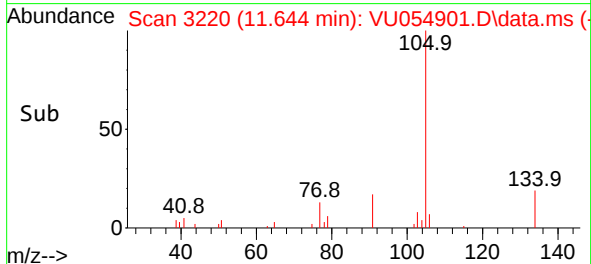
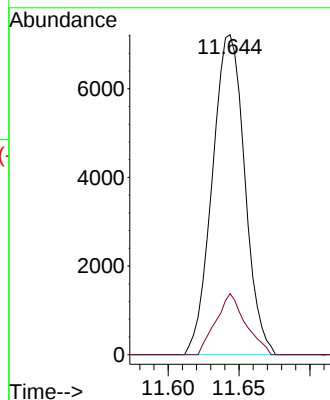
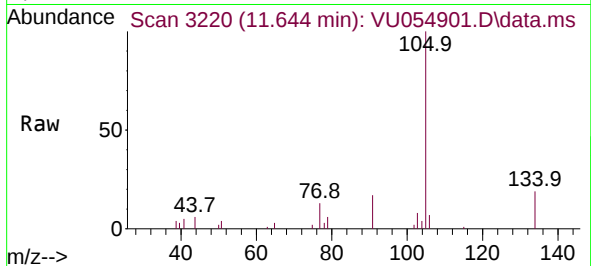
#79
 sec-Butylbenzene
 Concen: 0.352 ug/l
 RT: 11.644 min Scan# 3219
 Delta R.T. 0.004 min
 Lab File: VU054901.D
 Acq: 27 Jul 2023 18:07

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Tgt Ion:105 Resp: 11504
 Ion Ratio Lower Upper
 105 100
 134 17.4 15.7 23.5

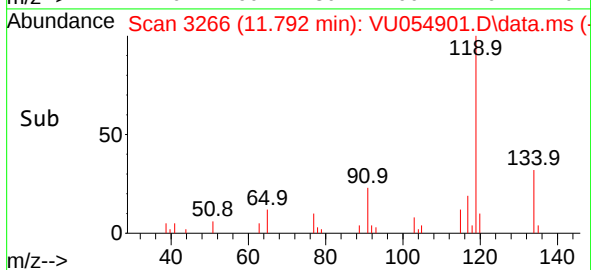
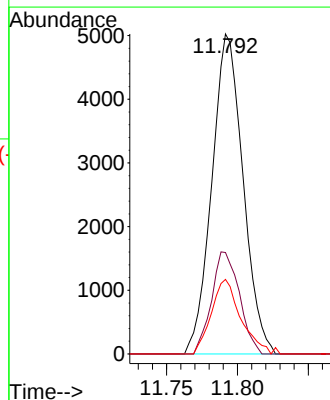
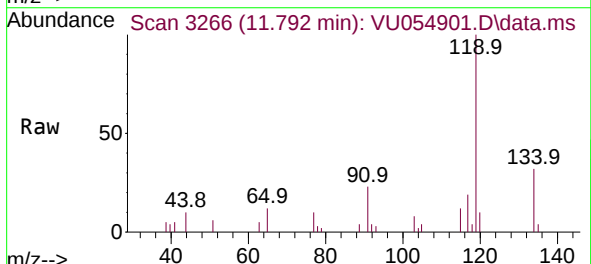
Manual Integrations
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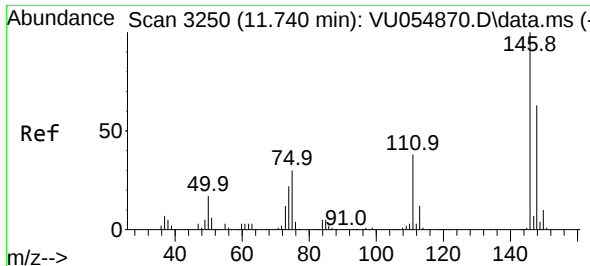
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#81
 p-Isopropyltoluene
 Concen: 0.298 ug/l
 RT: 11.792 min Scan# 3266
 Delta R.T. 0.000 min
 Lab File: VU054901.D
 Acq: 27 Jul 2023 18:07

Tgt Ion:119 Resp: 7688
 Ion Ratio Lower Upper
 119 100
 134 28.4 20.6 31.0
 91 22.1 18.2 27.4





#82

1,3-Dichlorobenzene

Concen: 0.378 ug/l

RT: 11.747 min Scan# 31

Delta R.T. 0.007 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

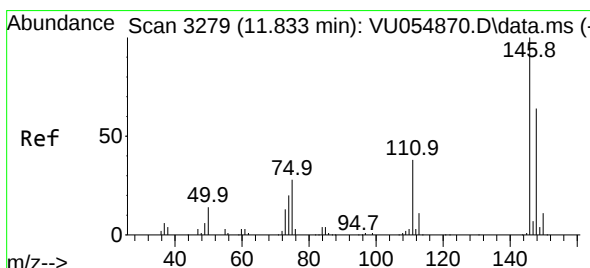
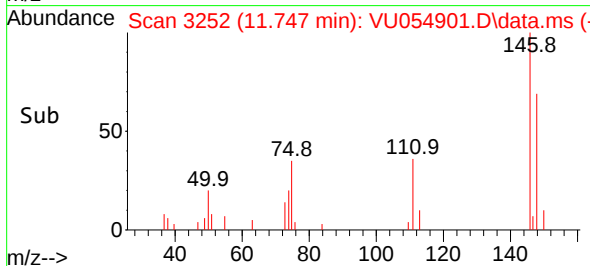
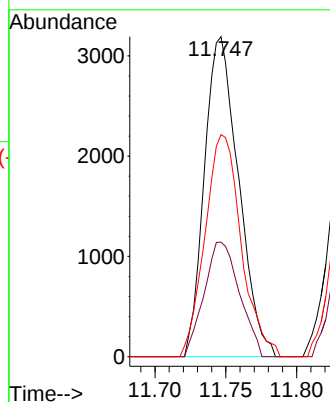
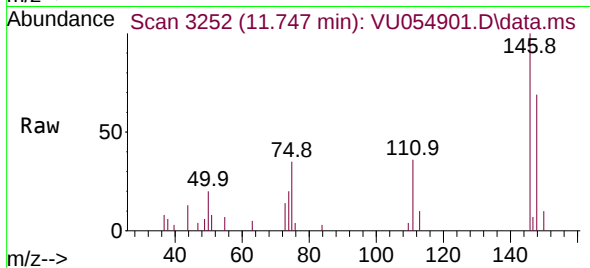
Tgt Ion:146	Resp:	534
Ion Ratio	Lower	Upper
146	100	
111	37.1	30.5 45.7
148	73.5	51.0 76.6

Manual Integrations

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Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#83

1,4-Dichlorobenzene

Concen: 0.399 ug/l

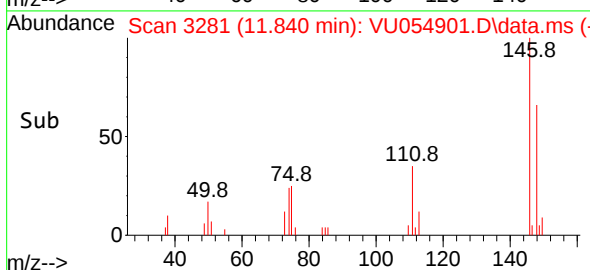
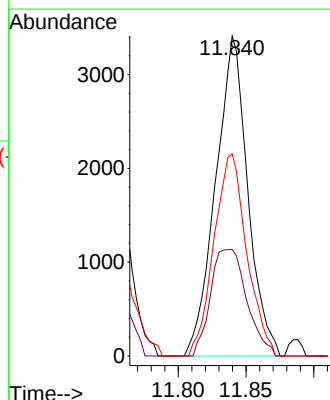
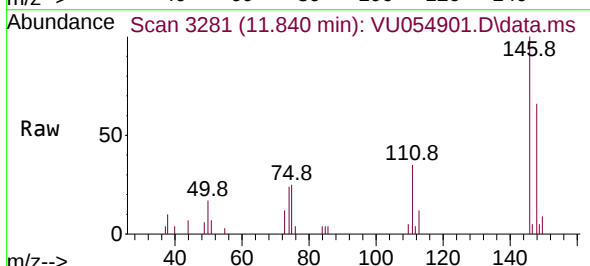
RT: 11.840 min Scan# 3281

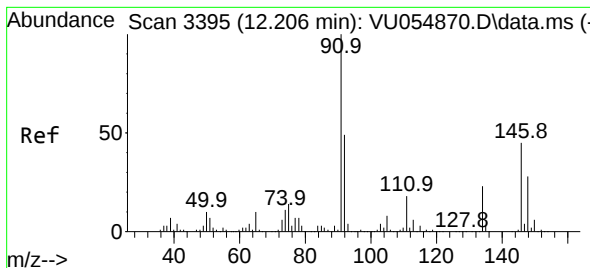
Delta R.T. 0.007 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

Tgt Ion:146	Resp:	5619
Ion Ratio	Lower	Upper
146	100	
111	37.6	29.5 44.3
148	64.5	51.2 76.8





#84

n-Butylbenzene

Concen: 0.326 ug/l

RT: 12.210 min Scan# 3396

Delta R.T. 0.004 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

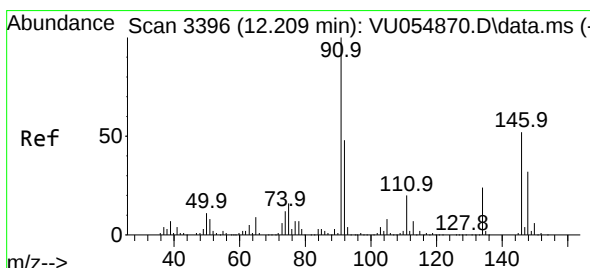
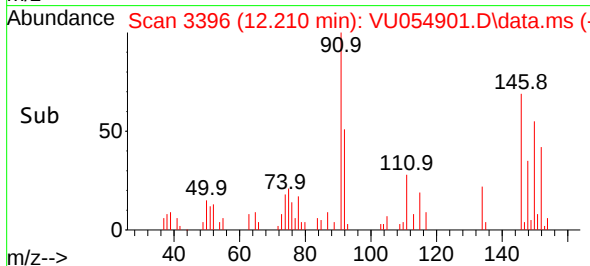
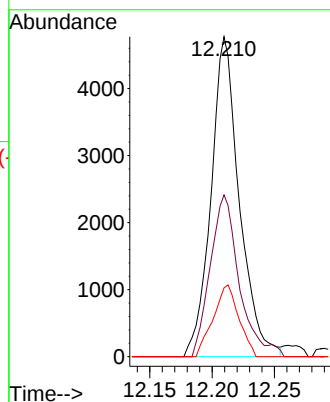
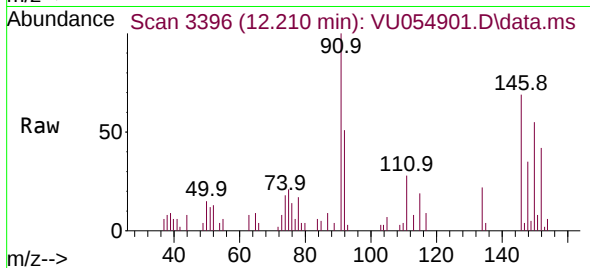
Tgt Ion: 91	Resp: 755
Ion Ratio	Lower Upper
91	100
92	51.6 39.8 59.8
134	20.2 20.2 30.4

Manual Integrations

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Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#85

1,2-Dichlorobenzene

Concen: 0.408 ug/l

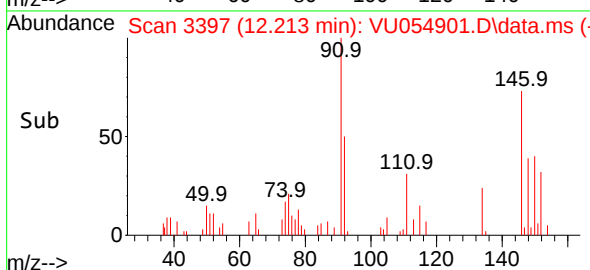
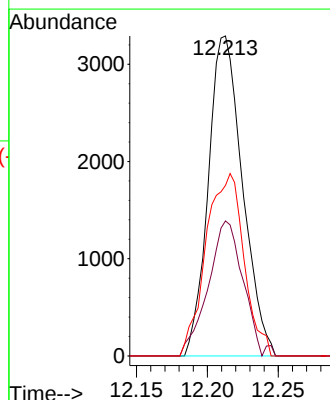
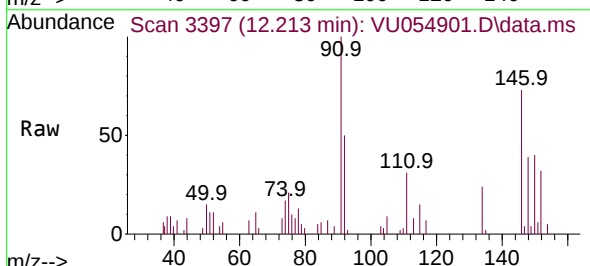
RT: 12.213 min Scan# 3397

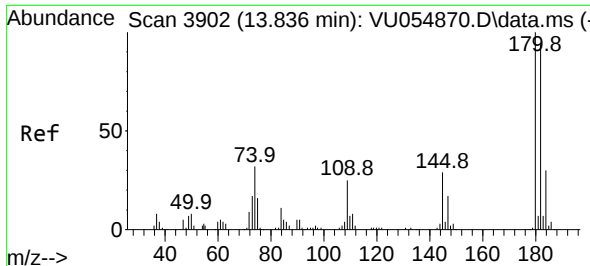
Delta R.T. 0.004 min

Lab File: VU054901.D

Acq: 27 Jul 2023 18:07

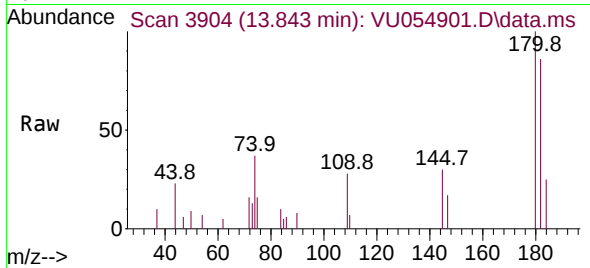
Tgt Ion:146	Resp: 5528
Ion Ratio	Lower Upper
146	100
111	42.4 19.8 59.4
148	63.1 31.8 95.3





#87
1,2,4-Trichlorobenzene
Concen: 0.373 ug/l
RT: 13.843 min Scan# 3904
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

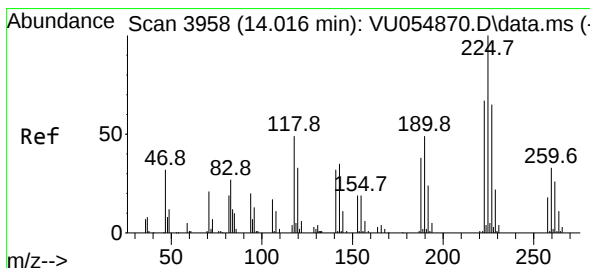
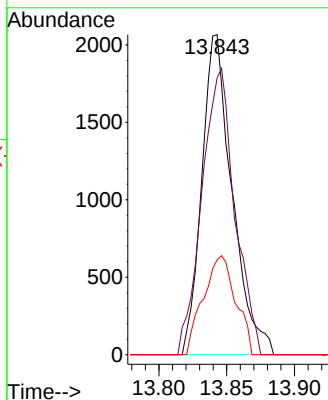
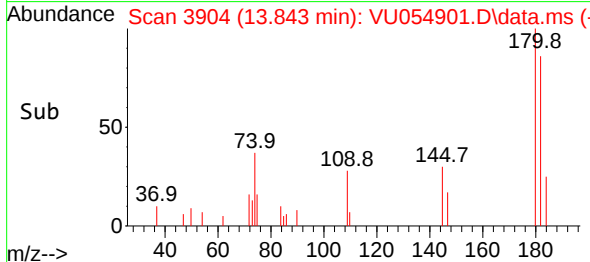
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:180 Resp: 3220
Ion Ratio Lower Upper
180 100
182 96.5 77.0 115.6
145 33.0 23.4 35.0

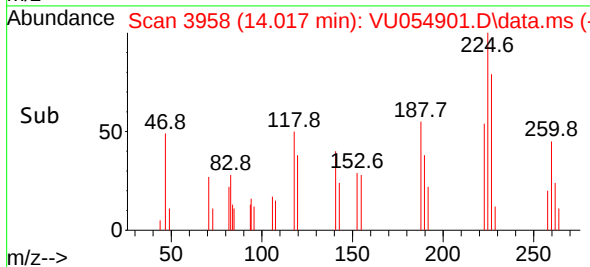
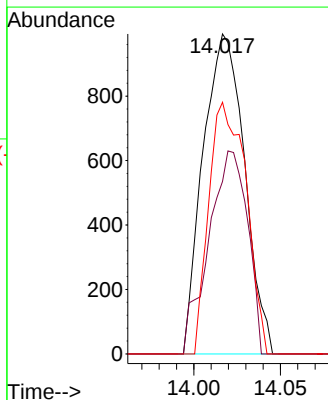
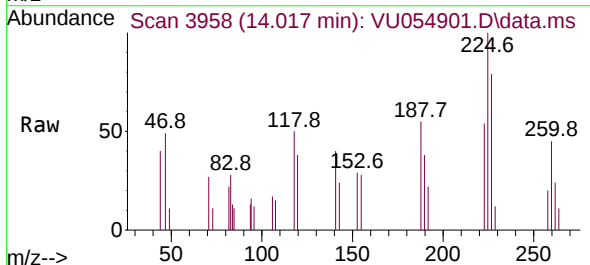
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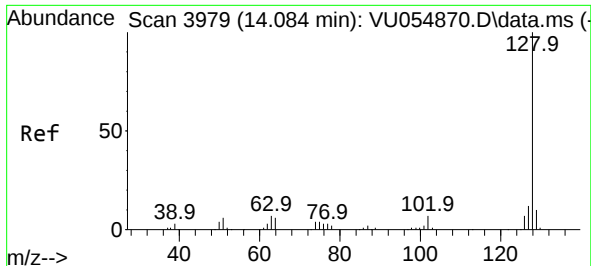
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#88
Hexachlorobutadiene
Concen: 0.358 ug/l
RT: 14.017 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

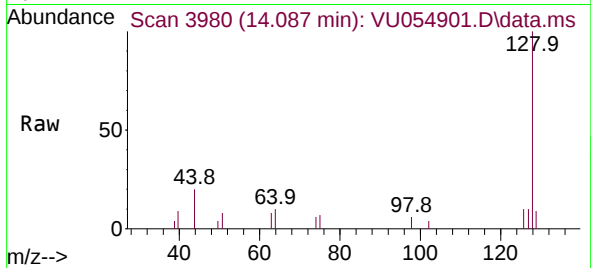
Tgt Ion:225 Resp: 1652
Ion Ratio Lower Upper
225 100
223 59.3 50.6 76.0
227 70.5 50.7 76.1





#89
Naphthalene
Concen: 0.376 ug/l
RT: 14.087 min Scan# 3979
Delta R.T. 0.004 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

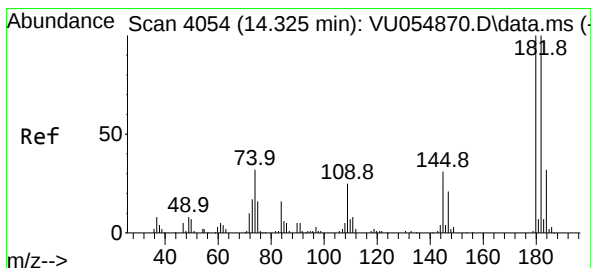
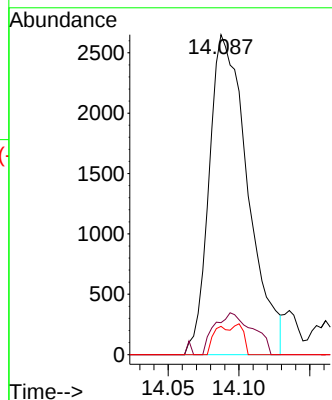
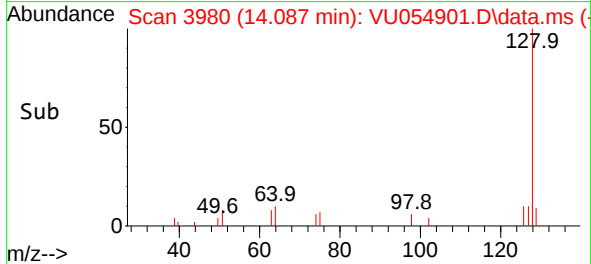
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:128 Resp: 503
Ion Ratio Lower Upper
128 100
127 12.9 10.6 15.8
129 3.9 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#90
1,2,3-Trichlorobenzene
Concen: 0.426 ug/l
RT: 14.332 min Scan# 4056
Delta R.T. 0.007 min
Lab File: VU054901.D
Acq: 27 Jul 2023 18:07

Tgt Ion:180 Resp: 3268
Ion Ratio Lower Upper
180 100
182 92.9 76.0 114.0
145 27.4 24.3 36.5

