

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072723\
 Data File : VU054902.D
 Acq On : 27 Jul 2023 18:32
 Operator : MD/SY
 Sample : 03572-09
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

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

Quant Time: Jul 28 06:56:12 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	25934	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	8254	1.050	ug/l	0.00
Spiked Amount	1.000		Recovery	= 105.000%		
68) 1,2-Dichlorobenzene-d4	12.193	152	9378	1.055	ug/l	0.00
Spiked Amount	1.000		Recovery	= 106.000%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	3727	0.755	ug/l	94
3) Chloromethane	1.515	50	4637	0.836	ug/l	94
4) Vinyl Chloride	1.599	62	5862	0.791	ug/l	96
5) Bromomethane	1.853	94	4428	0.753	ug/l	87
6) Chloroethane	1.930	64	4894	0.639	ug/l	93
7) Trichlorofluoromethane	2.136	101	11965	0.687	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	4135	0.733	ug/l	99
9) 1,1-Dichloroethene	2.576	96	3506	0.783	ug/l	95
10) Iodomethane	2.718	142	4945	0.707	ug/l	98
11) Allyl Chloride	2.920	41	4250	0.794	ug/l	87
12) Acrylonitrile	3.345	53	1754m	1.561	ug/l	
13) Acetone	2.650	43	4668m	3.975	ug/l	
14) Carbon Disulfide	2.792	76	5970	0.770	ug/l #	92
15) Methylene Chloride	3.042	84	14140	2.264	ug/l	93
16) trans-1,2-Dichloroethene	3.348	96	3596	0.738	ug/l	91
17) 1,1-Dichloroethane	3.866	63	8549	0.784	ug/l	97
18) 2-Butanone	4.737	43	5844m	3.944	ug/l	
19) Cyclohexane	5.390	56	5049m	0.823	ug/l	
20) Methylcyclohexane	6.756	83	5904	0.720	ug/l #	77
21) 2,2-Dichloropropane	4.660	77	6673	0.660	ug/l #	89
22) cis-1,2-Dichloroethene	4.669	96	5182	0.800	ug/l	92
23) Diethyl Ether	2.374	59	5375	0.814	ug/l #	92
24) tert-Butyl Alcohol	3.226	59	5347m	8.701	ug/l	
25) Methyl tert-Butyl Ether	3.357	73	12050	0.870	ug/l	99
26) Bromochloromethane	4.975	128	2070	0.779	ug/l	87
27) Chloroform	5.087	83	9546	0.815	ug/l	99
28) 1,1,1-Trichloroethane	5.312	97	7188	0.711	ug/l	92
29) 1,1-Dichloropropene	5.528	75	5469	0.733	ug/l	99
30) Carbon Tetrachloride	5.521	117	6371	0.755	ug/l	96
31) Isopropyl Ether	3.994	45	11652	0.724	ug/l	85
32) Ethyl-t-butyl ether	4.496	59	13155	0.794	ug/l	95
33) Tert-Amyl methyl ether	5.939	73	12786	0.816	ug/l #	94
34) Propionitrile	4.817	54	1870m	4.578	ug/l	
35) Benzene	5.775	78	18831	0.806	ug/l #	90
36) 1,2-Dichloroethane	5.801	62	5339	0.803	ug/l #	90
37) Trichloroethene	6.537	130	4998	0.796	ug/l	99
38) 1,2-Dichloropropane	6.788	63	5602	0.848	ug/l	91
39) Methacrylonitrile	4.991	41	1239m	0.757	ug/l	
40) Methyl acrylate	4.865	55	2338m	0.898	ug/l	
41) Tetrahydrofuran	5.081	42	1450	1.549	ug/l #	73
42) 1-Chlorobutane	5.454	56	7592	0.777	ug/l	97
43) Dibromomethane	6.920	93	2657	0.857	ug/l #	51
44) Bromodichloromethane	7.103	83	6754	0.782	ug/l	97

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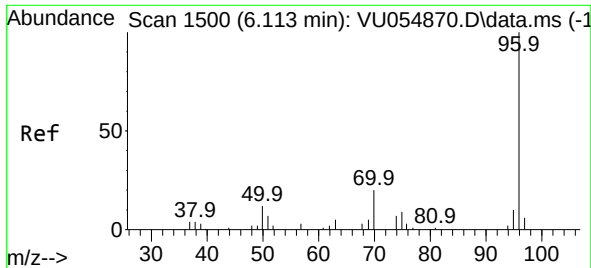
Quant Time: Jul 28 06:56:12 2023
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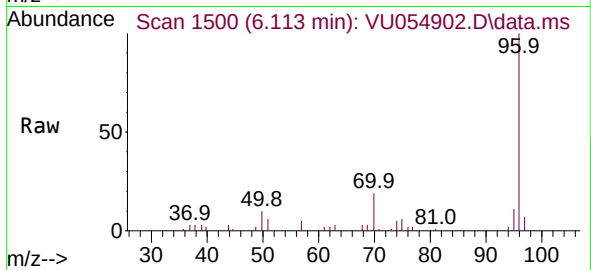
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	15113	4.176	ug/l	98
46) t-1,4-Dichloro-2-butene	10.830	75	2452m	1.684	ug/l	
47) Methyl methacrylate	6.965	69	4573	1.613	ug/l #	93
48) Ethyl methacrylate	8.341	69	4657	0.812	ug/l	98
49) Toluene	7.968	92	11871	0.798	ug/l	99
50) t-1,3-Dichloropropene	8.209	75	5510	0.718	ug/l	91
51) cis-1,3-Dichloropropene	7.608	75	6930	0.735	ug/l	93
52) 1,1,2-Trichloroethane	8.396	97	4277	0.870	ug/l	87
53) 1,3-Dichloropropane	8.573	76	6658	0.837	ug/l	99
54) 2-Hexanone	8.688	43	9975	3.879	ug/l	98
55) Dibromochloromethane	8.807	129	3573	0.634	ug/l	97
56) 1,2-Dibromoethane	8.923	107	3414	0.819	ug/l	94
58) Tetrachloroethene	8.553	164	4456	0.813	ug/l	93
59) Chlorobenzene	9.444	112	14063	0.779	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.528	131	4783	0.750	ug/l	96
61) Pentachloroethane	11.425	117	3515	0.706	ug/l	97
62) Hexachloroethane	12.473	117	3623	0.707	ug/l	94
63) Ethyl Benzene	9.569	91	23213	0.766	ug/l	98
64) m/p-Xylenes	9.695	106	17843	1.574	ug/l	98
65) o-Xylene	10.100	106	8912	0.765	ug/l	97
66) Styrene	10.116	104	14204	0.763	ug/l	97
67) Bromoform	10.290	173	2059	0.705	ug/l #	95
69) Isopropylbenzene	10.483	105	22958	0.734	ug/l	93
70) 1,1,2,2-Tetrachloroethane	10.778	83	4703	0.773	ug/l	90
71) 1,2,3-Trichloropropane	10.830	75	4209m	0.971	ug/l	
72) Bromobenzene	10.785	156	5856	0.841	ug/l	95
73) n-propylbenzene	10.904	120	6084	0.727	ug/l	96
74) 2-Chlorotoluene	10.987	126	5961	0.823	ug/l	89
75) 1,3,5-Trimethylbenzene	11.087	105	19258	0.761	ug/l	99
76) 4-Chlorotoluene	11.100	126	6282	0.835	ug/l	95
77) tert-Butylbenzene	11.418	119	19734	0.750	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	19305	0.745	ug/l	97
79) sec-Butylbenzene	11.643	105	25332	0.740	ug/l	100
80) Nitrobenzene	13.229	77	426m	2.664	ug/l	
81) p-Isopropyltoluene	11.791	119	18105	0.670	ug/l	100
82) 1,3-Dichlorobenzene	11.746	146	11572	0.781	ug/l	93
83) 1,4-Dichlorobenzene	11.833	146	11592	0.785	ug/l	97
84) n-Butylbenzene	12.209	91	15980	0.659	ug/l	97
85) 1,2-Dichlorobenzene	12.212	146	11741	0.827	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.994	75	453	0.560	ug/l #	60
87) 1,2,4-Trichlorobenzene	13.839	180	6854	0.757	ug/l	98
88) Hexachlorobutadiene	14.019	225	3818	0.790	ug/l #	90
89) Naphthalene	14.090	128	9783	0.697	ug/l	98
90) 1,2,3-Trichlorobenzene	14.328	180	6095	0.758	ug/l	99

(#) = 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: VU054902.D
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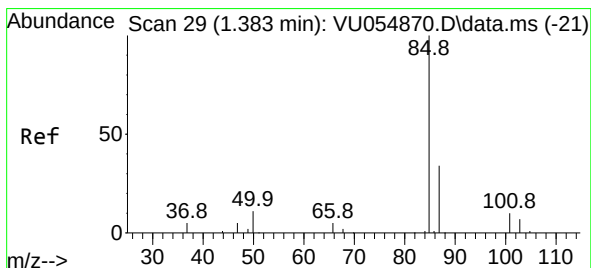
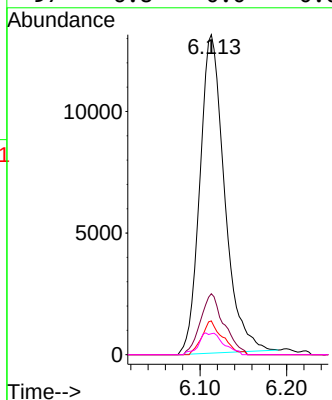
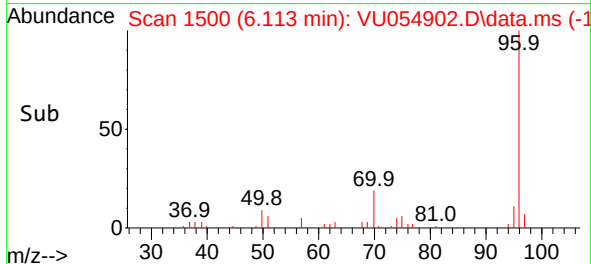
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 96 Resp: 25934
Ion Ratio Lower Upper
96 100
70 18.2 14.0 21.0
95 9.0 8.7 13.1
97 6.8 0.0 0.0#

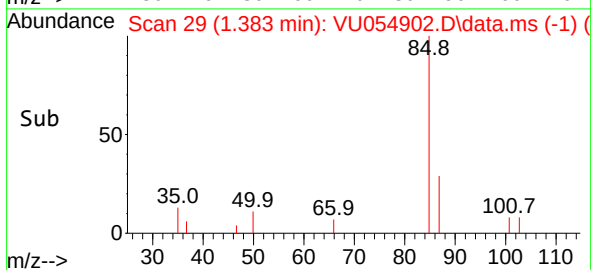
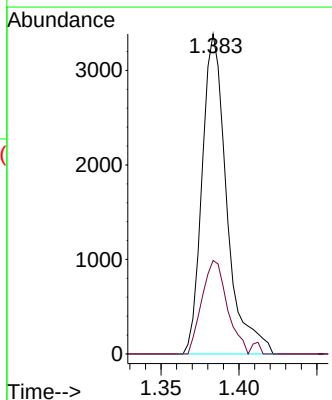
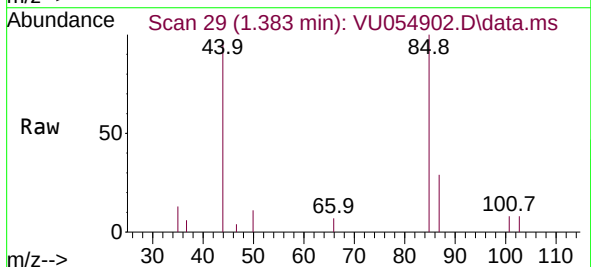
Manual Integrations
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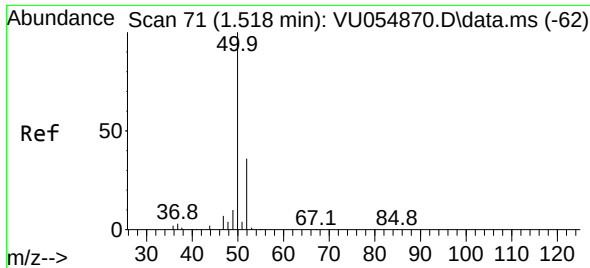
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#2
Dichlorodifluoromethane
Concen: 0.755 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

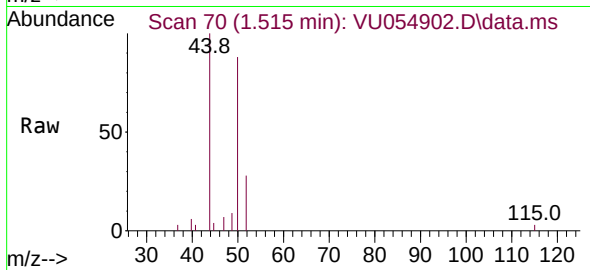
Tgt Ion: 85 Resp: 3727
Ion Ratio Lower Upper
85 100
87 29.2 16.2 48.6





#3
Chloromethane
Concen: 0.836 ug/l
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

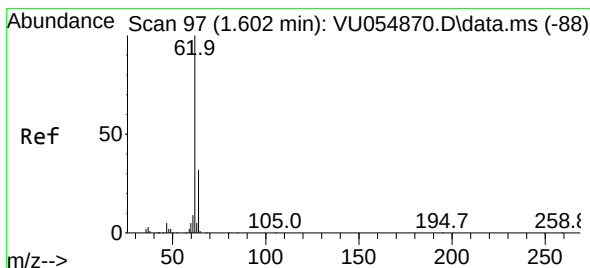
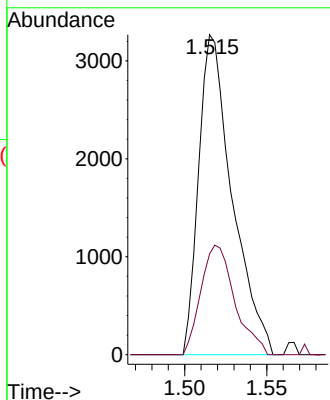
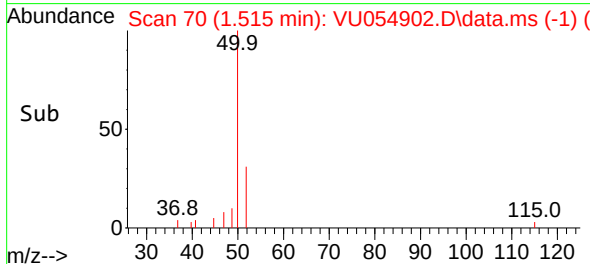
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 50 Resp: 463
Ion Ratio Lower Upper
50 100
52 31.5 28.2 42.2

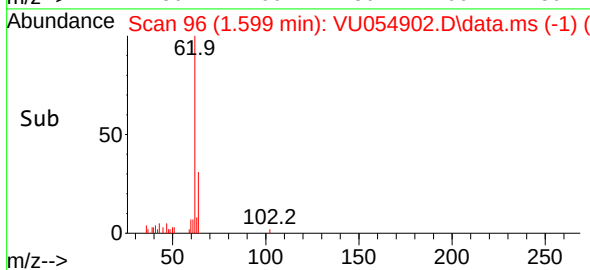
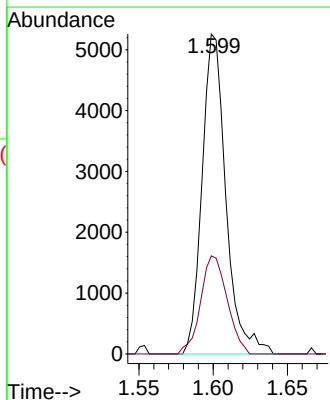
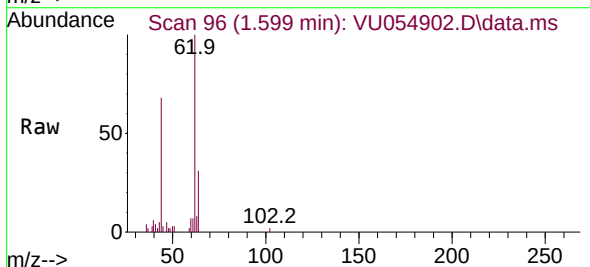
Manual Integrations
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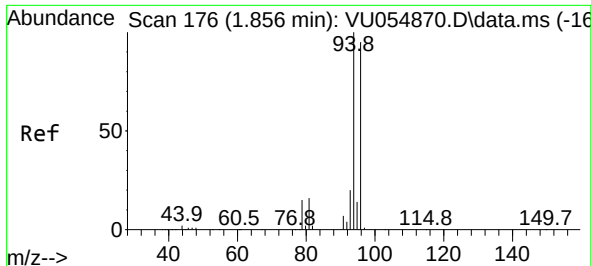
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#4
Vinyl Chloride
Concen: 0.791 ug/l
RT: 1.599 min Scan# 96
Delta R.T. -0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

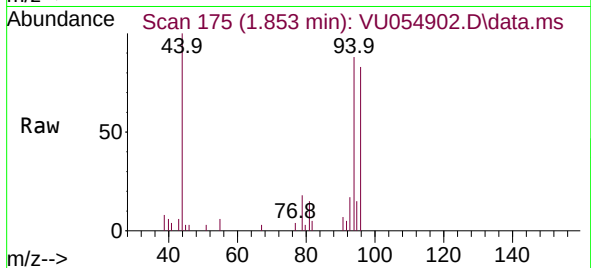
Tgt Ion: 62 Resp: 5862
Ion Ratio Lower Upper
62 100
64 30.7 26.4 39.6





#5
Bromomethane
Concen: 0.753 ug/l
RT: 1.853 min Scan# 176
Delta R.T. -0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

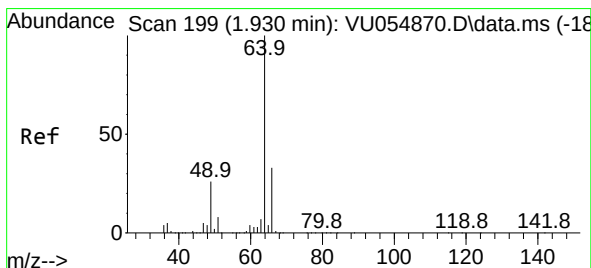
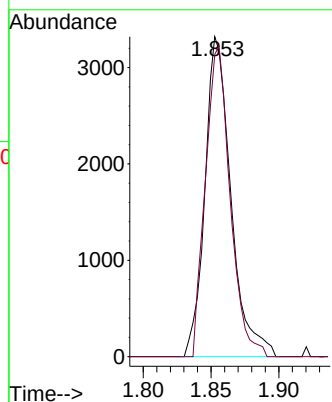
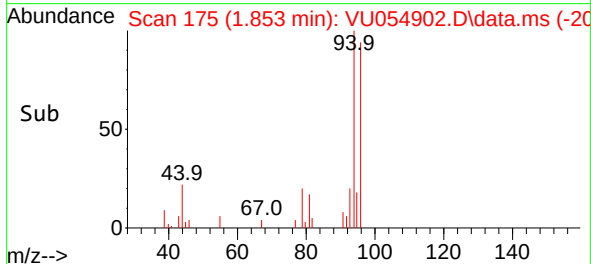
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 94 Resp: 4428
Ion Ratio Lower Upper
94 100
96 80.3 74.6 111.8

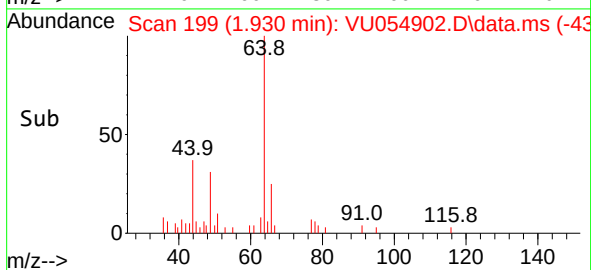
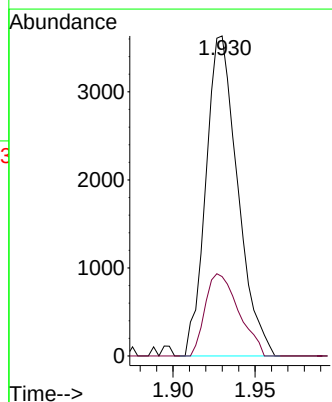
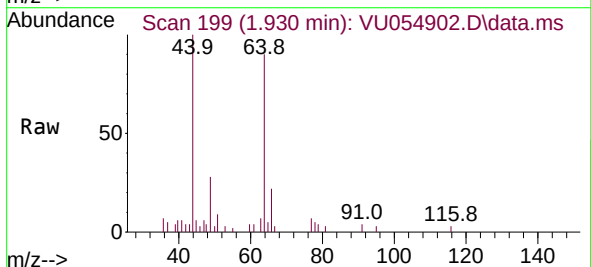
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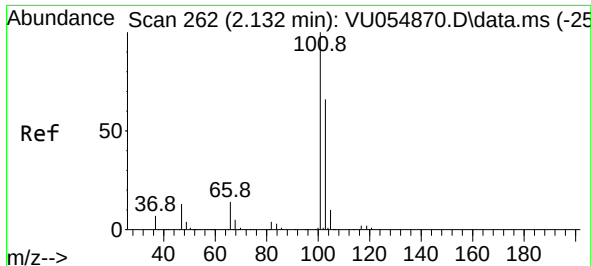
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#6
Chloroethane
Concen: 0.639 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

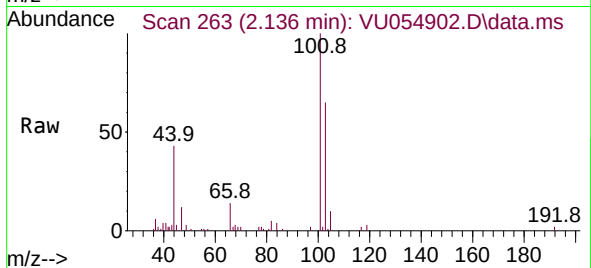
Tgt Ion: 64 Resp: 4894
Ion Ratio Lower Upper
64 100
66 28.6 26.2 39.4





#7
Trichlorofluoromethane
Concen: 0.687 ug/l
RT: 2.136 min Scan# 2136
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

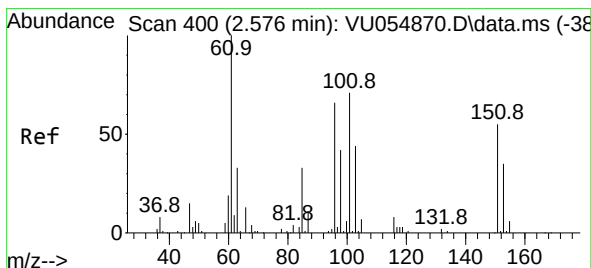
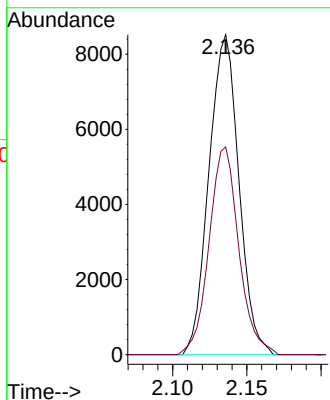
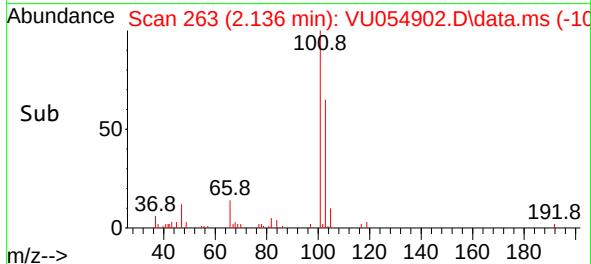
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



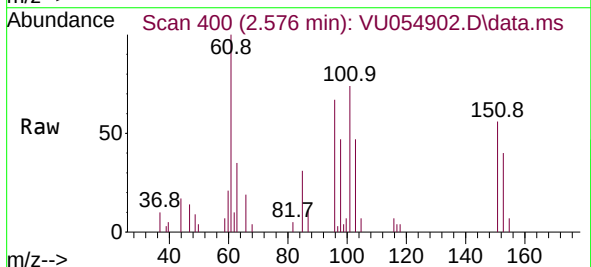
Tgt Ion:101 Resp: 1196
Ion Ratio Lower Upper
101 100
103 63.8 52.9 79.3

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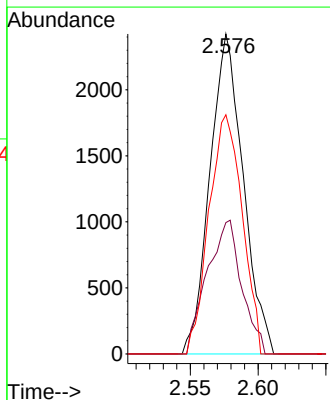
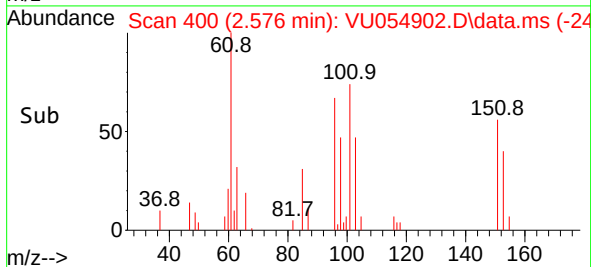
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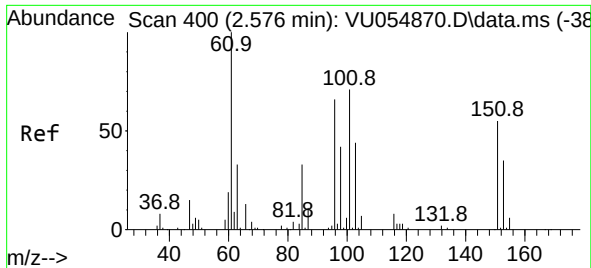


#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.733 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



Tgt Ion:101 Resp: 4135
Ion Ratio Lower Upper
101 100
85 43.4 34.8 52.2
151 74.6 60.5 90.7





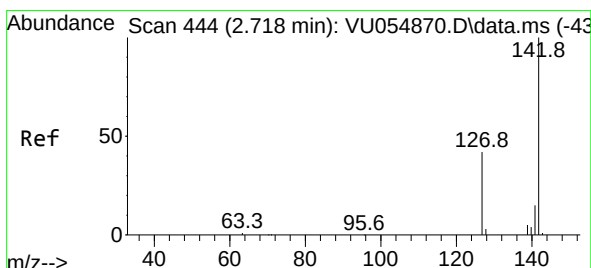
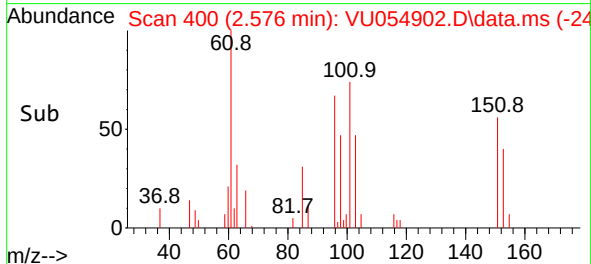
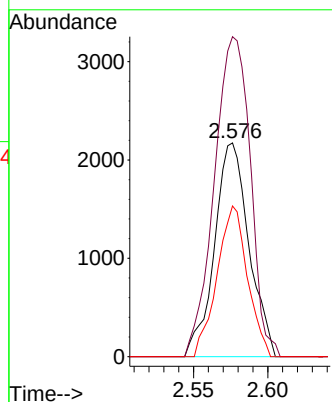
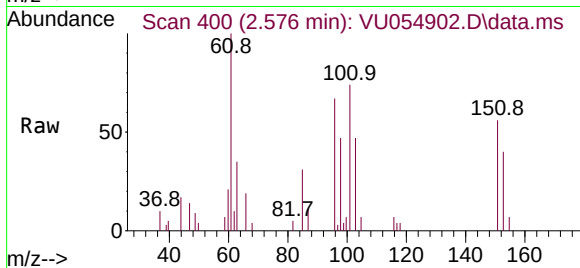
#9
1,1-Dichloroethene
Concen: 0.783 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

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

Tgt Ion: 96 Resp: 3500
Ion Ratio Lower Upper
96 100
61 149.7 0.0 440.1
98 70.5 0.0 121.8

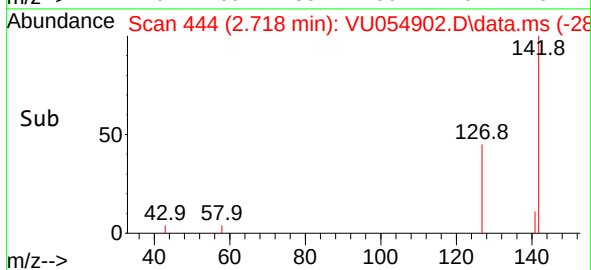
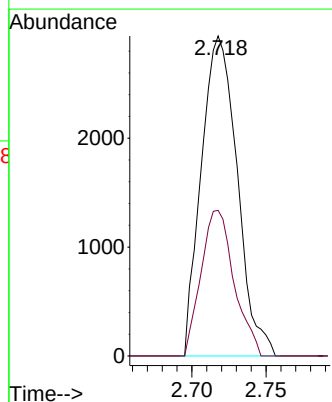
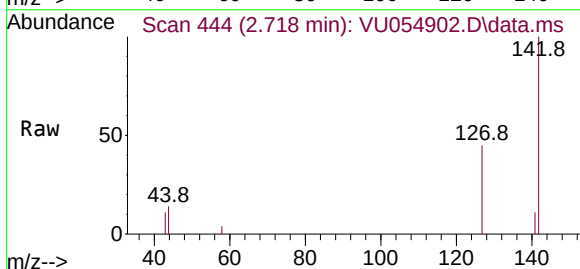
Manual Integrations
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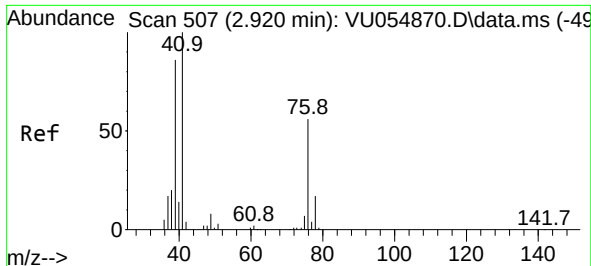
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#10
Iodomethane
Concen: 0.707 ug/l
RT: 2.718 min Scan# 444
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

Tgt Ion:142 Resp: 4945
Ion Ratio Lower Upper
142 100
127 41.8 34.3 51.5





#11

Allyl Chloride

Concen: 0.794 ug/l

RT: 2.920 min Scan# 507

Delta R.T. 0.000 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 41 Resp: 4250

Ion Ratio Lower Upper

41 100

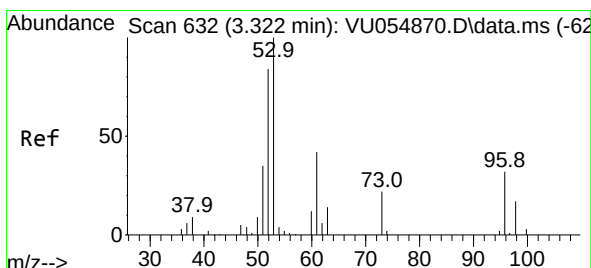
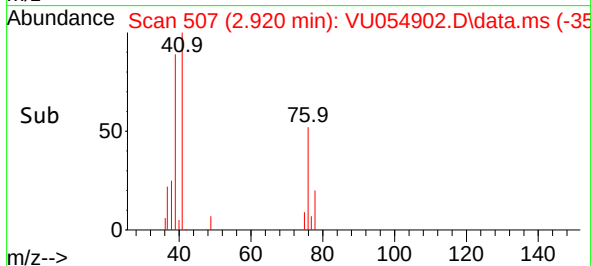
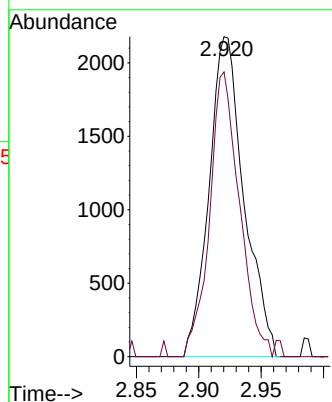
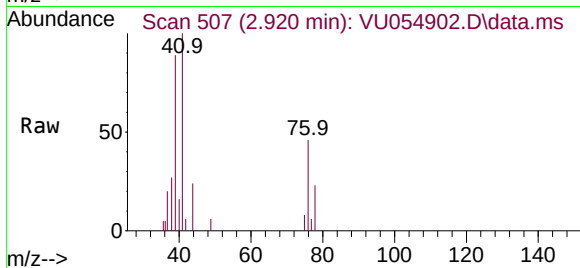
39 76.0 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#12

Acrylonitrile

Concen: 1.561 ug/l m

RT: 3.345 min Scan# 639

Delta R.T. 0.023 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

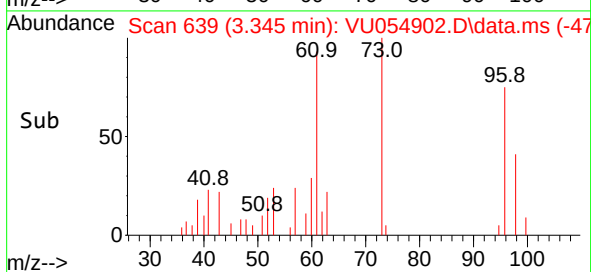
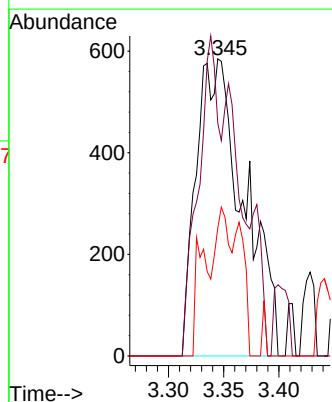
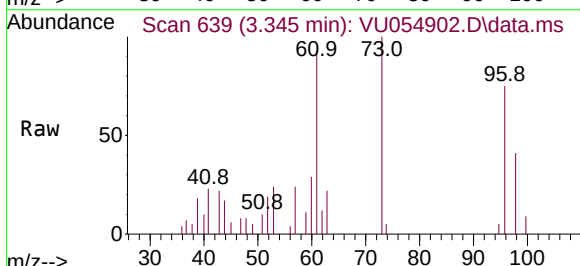
Tgt Ion: 53 Resp: 1754

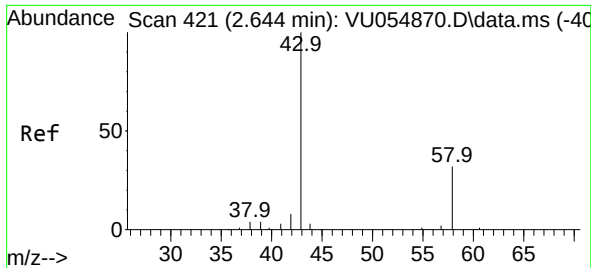
Ion Ratio Lower Upper

53 100

52 48.2 64.2 96.4#

51 10.5 33.6 50.4#





#13

Acetone

Concen: 3.975 ug/l m

RT: 2.650 min Scan# 41

Delta R.T. 0.006 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 43 Resp: 466

Ion Ratio Lower Upper

43 100

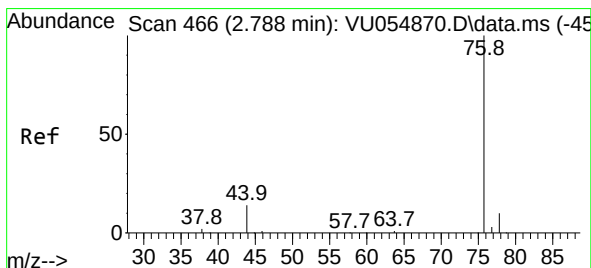
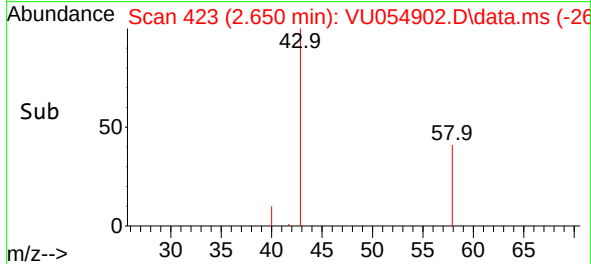
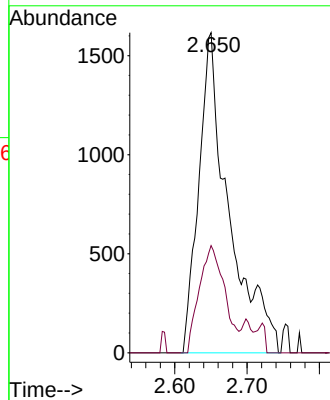
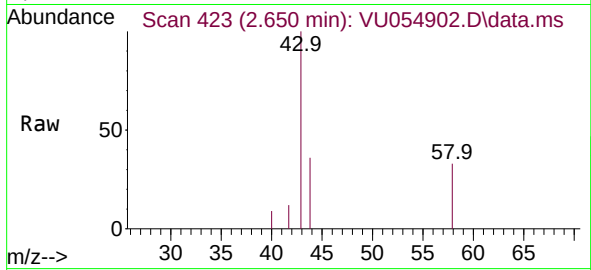
58 33.5 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#14

Carbon Disulfide

Concen: 0.770 ug/l

RT: 2.792 min Scan# 467

Delta R.T. 0.003 min

Lab File: VU054902.D

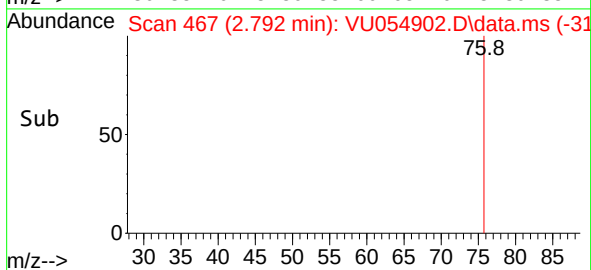
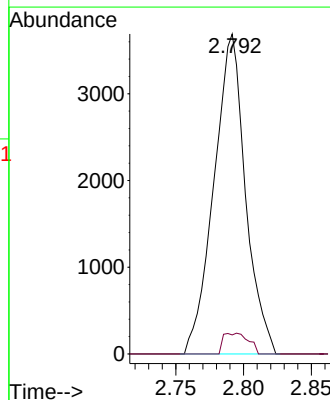
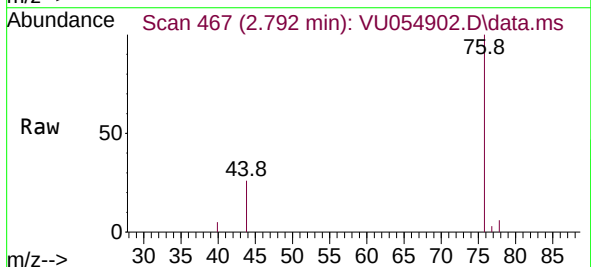
Acq: 27 Jul 2023 18:32

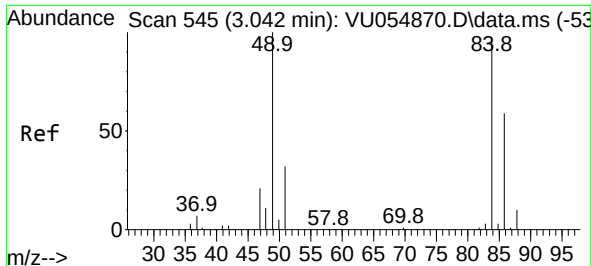
Tgt Ion: 76 Resp: 5970

Ion Ratio Lower Upper

76 100

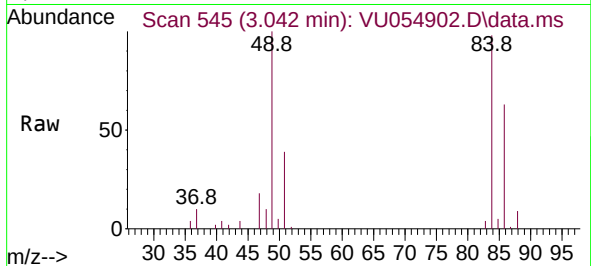
78 5.9 7.1 10.7#





#15
Methylene Chloride
Concen: 2.264 ug/l
RT: 3.042 min Scan# 54
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

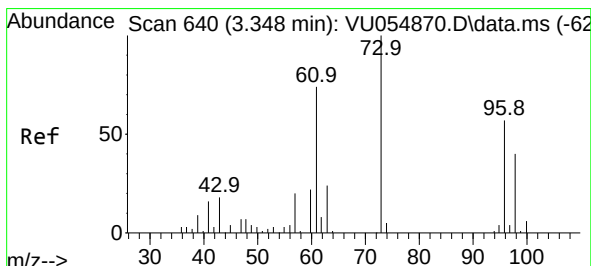
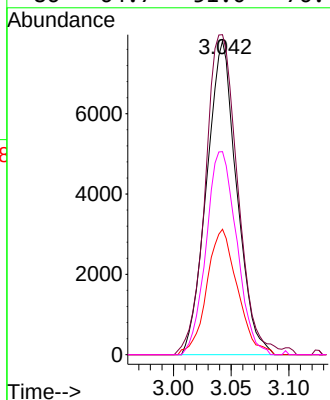
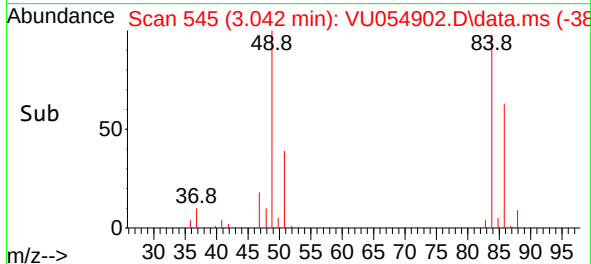
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 84 Resp: 14140
Ion Ratio Lower Upper
84 100
49 100.7 87.8 131.6
51 40.0 0.0 68.2
86 64.7 51.0 76.4

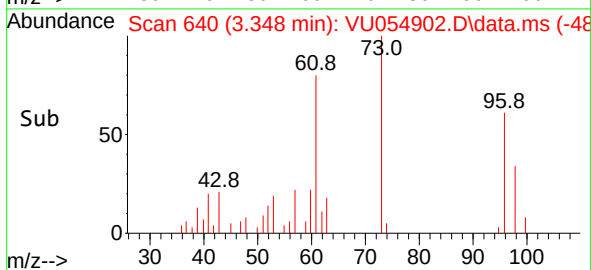
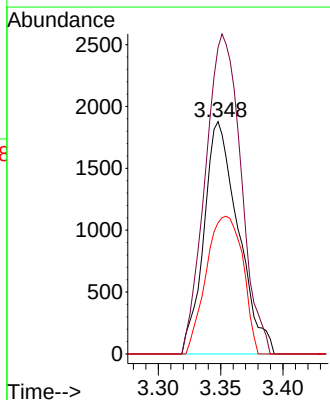
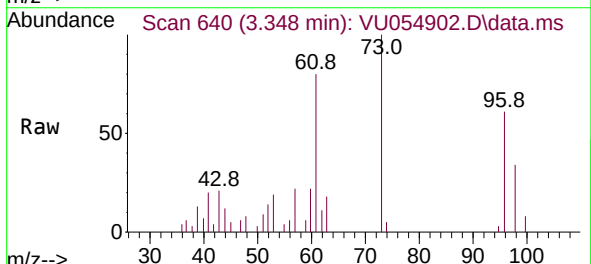
Manual Integrations
APPROVED

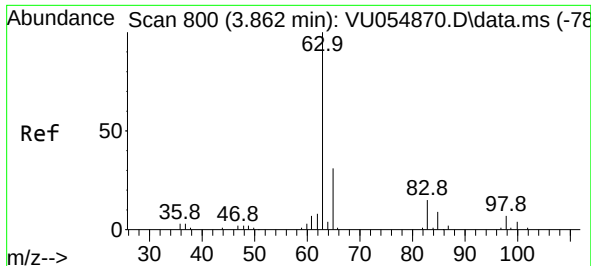
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#16
trans-1,2-Dichloroethene
Concen: 0.738 ug/l
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

Tgt Ion: 96 Resp: 3596
Ion Ratio Lower Upper
96 100
61 131.9 96.4 144.6
98 56.5 49.3 73.9





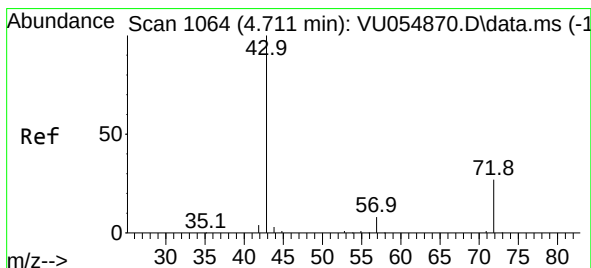
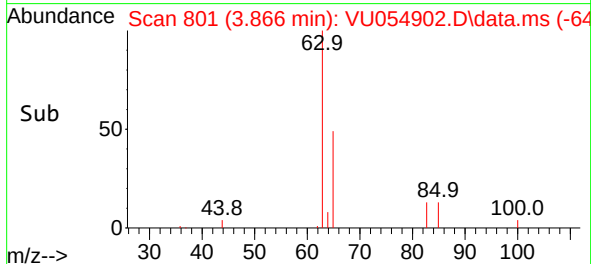
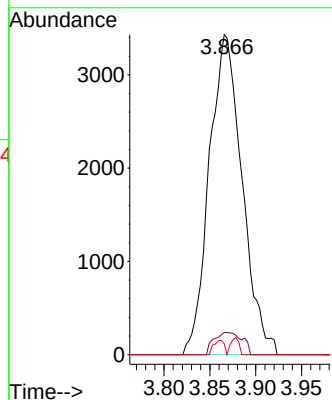
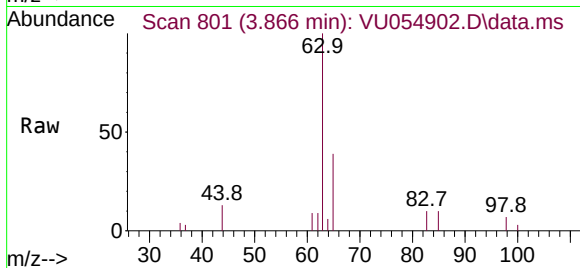
#17
1,1-Dichloroethane
Concen: 0.784 ug/l
RT: 3.866 min Scan# 800
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

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

Tgt Ion: 63 Resp: 8549
Ion Ratio Lower Upper
63 100
98 6.9 3.6 10.8
100 3.4 2.8 8.4

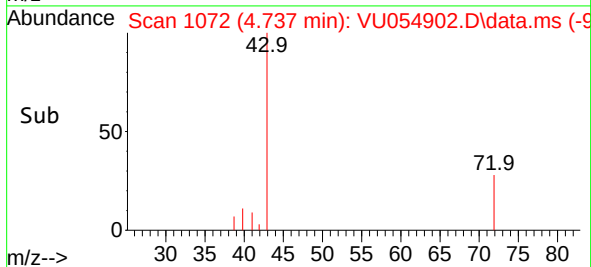
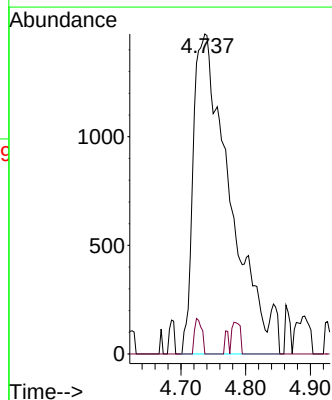
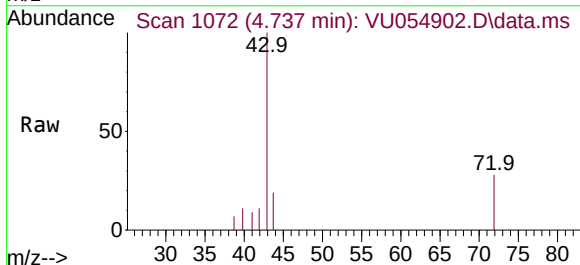
Manual Integrations
APPROVED

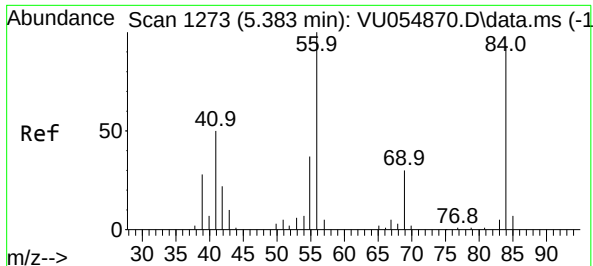
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
2-Butanone
Concen: 3.944 ug/l m
RT: 4.737 min Scan# 1072
Delta R.T. 0.026 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

Tgt Ion: 43 Resp: 5844
Ion Ratio Lower Upper
43 100
57 0.0 0.0 20.8





#19

Cyclohexane

Concen: 0.823 ug/l m

RT: 5.390 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

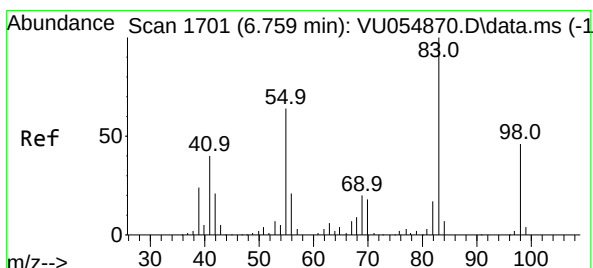
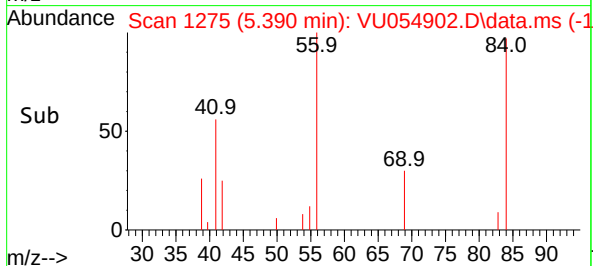
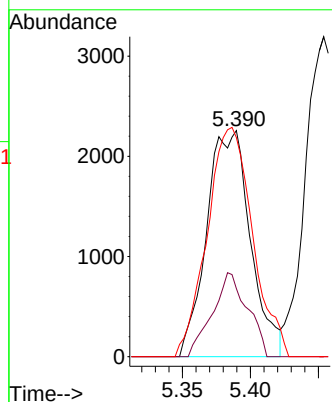
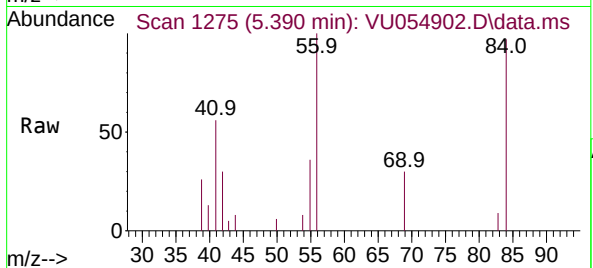
Tgt Ion:	56	Resp:	5049
Ion Ratio	Lower	Upper	
56	100		
69	29.7	24.7	37.1
84	105.1	76.5	114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#20

Methylcyclohexane

Concen: 0.720 ug/l

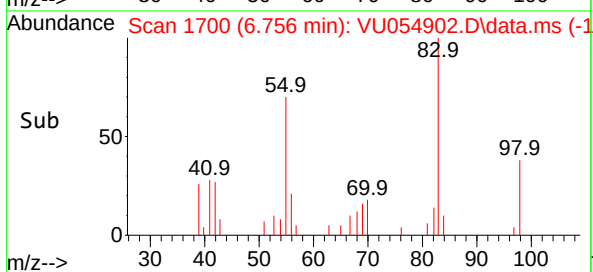
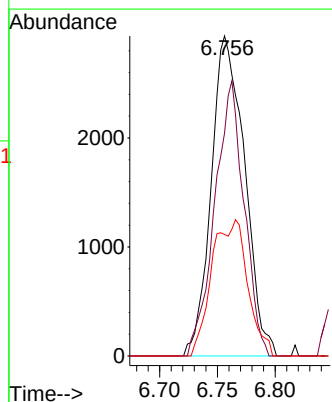
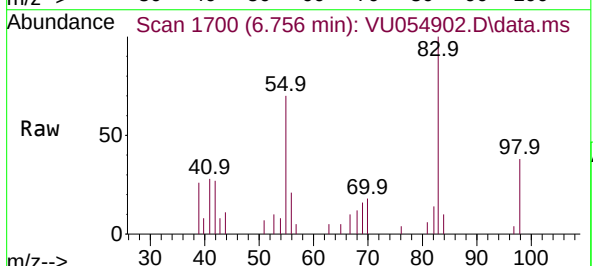
RT: 6.756 min Scan# 1700

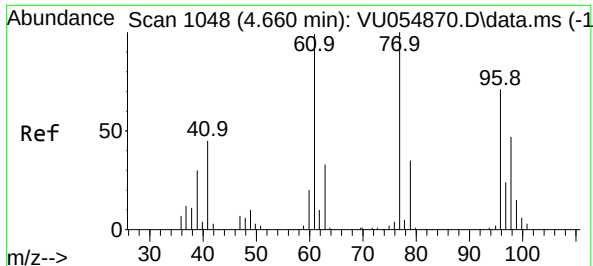
Delta R.T. -0.003 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Tgt Ion:	83	Resp:	5904
Ion Ratio	Lower	Upper	
83	100		
55	75.6	51.6	77.4
98	23.4	38.2	57.2





#21

2,2-Dichloropropane

Concen: 0.660 ug/l

RT: 4.660 min Scan# 1048

Delta R.T. 0.000 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 77 Resp: 667

Ion Ratio Lower Upper

77 100

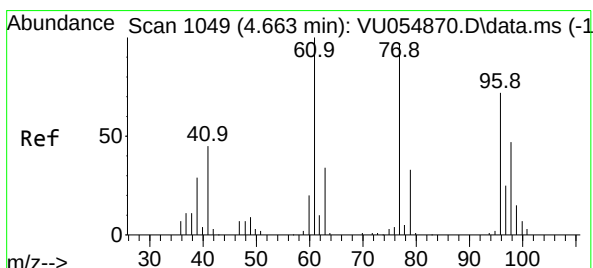
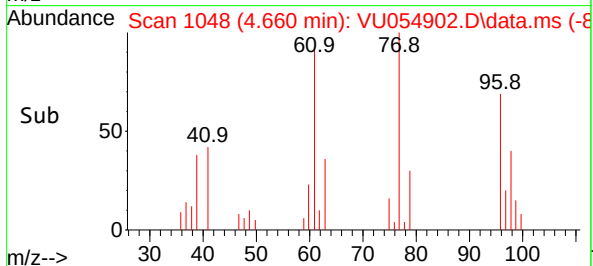
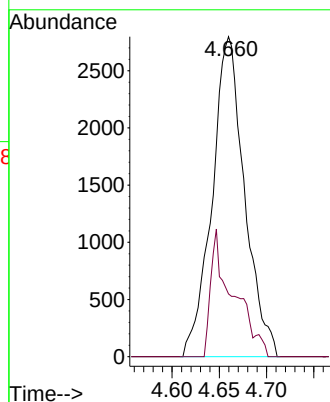
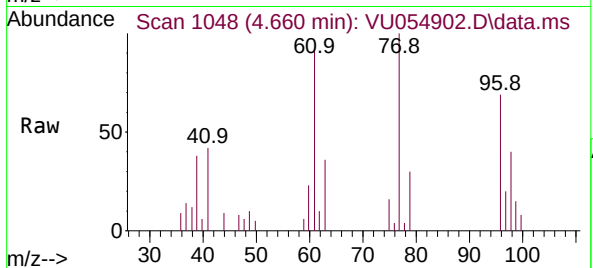
97 27.7 18.0 27.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#22

cis-1,2-Dichloroethene

Concen: 0.800 ug/l

RT: 4.669 min Scan# 1051

Delta R.T. 0.006 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

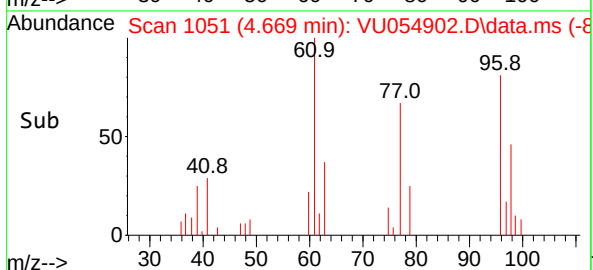
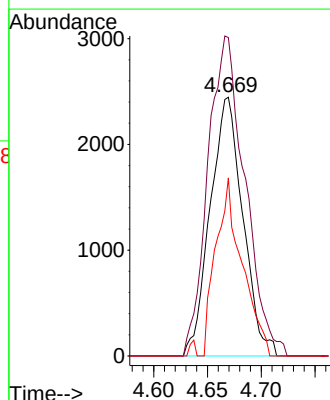
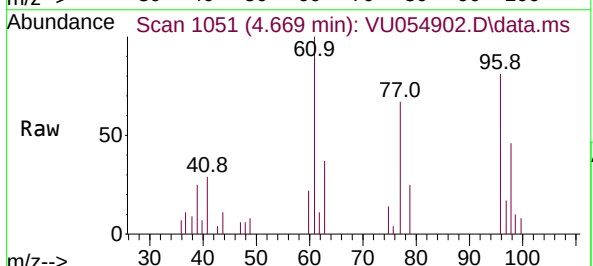
Tgt Ion: 96 Resp: 5182

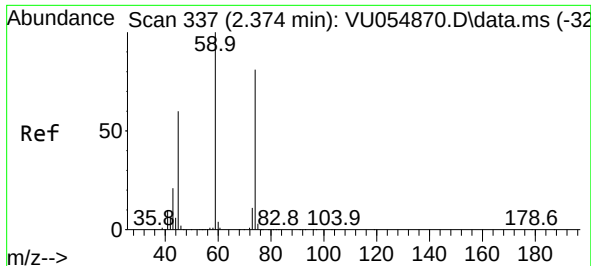
Ion Ratio Lower Upper

96 100

61 139.8 0.0 332.0

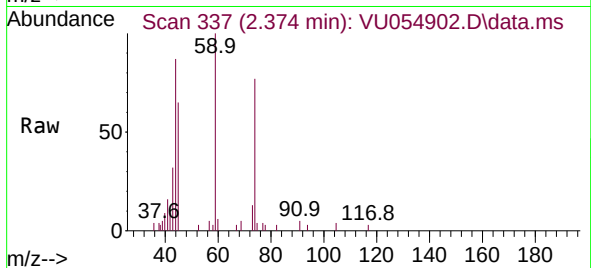
98 55.3 32.5 97.5





#23
Diethyl Ether
Concen: 0.814 ug/l
RT: 2.374 min Scan# 337
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

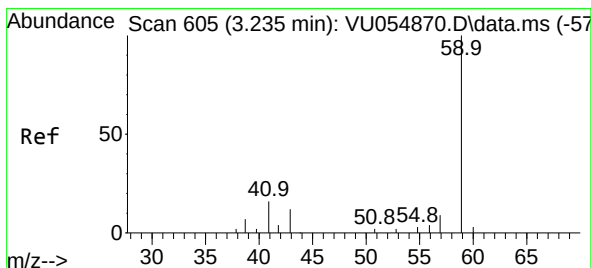
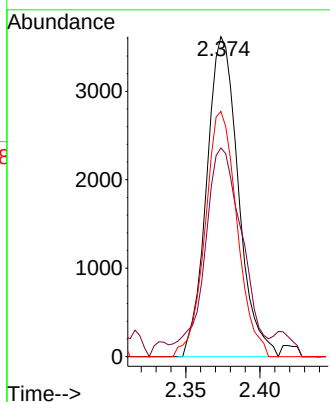
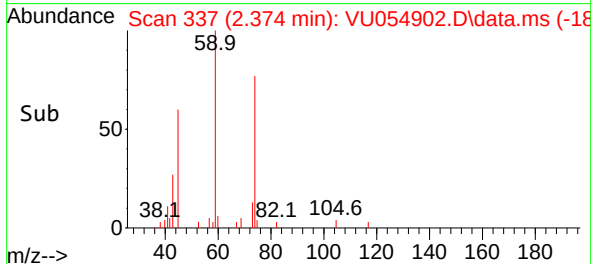
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 59 Resp: 5374
Ion Ratio Lower Upper
59 100
45 77.1 51.4 77.0
74 77.4 63.1 94.7

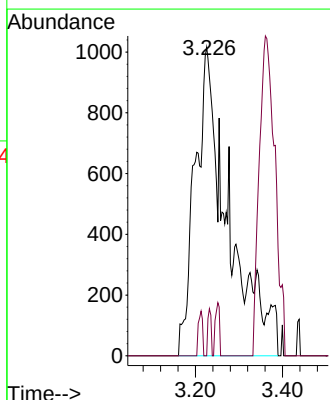
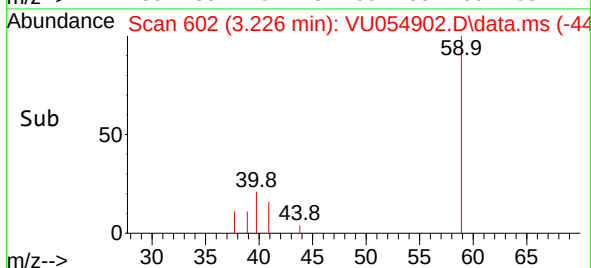
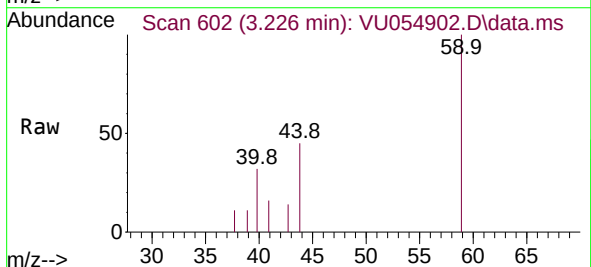
Manual Integrations
APPROVED

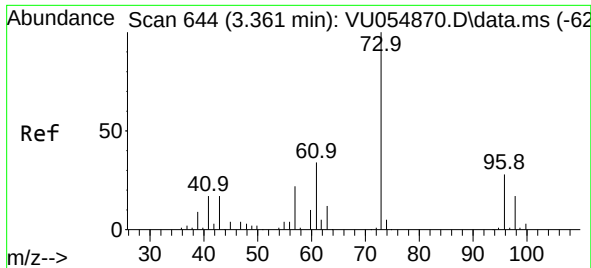
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#24
tert-Butyl Alcohol
Concen: 8.701 ug/l m
RT: 3.226 min Scan# 602
Delta R.T. -0.010 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

Tgt Ion: 59 Resp: 5347
Ion Ratio Lower Upper
59 100
57 1.5 2.2 3.2#





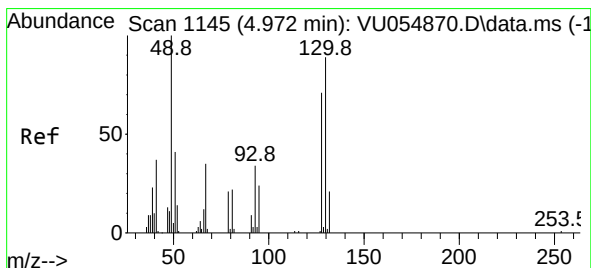
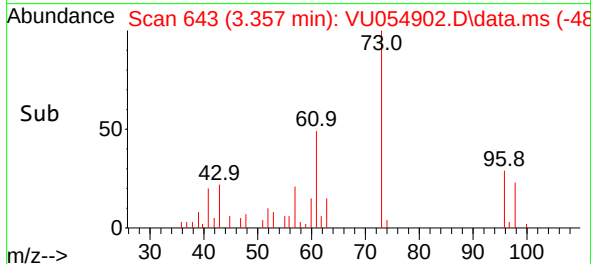
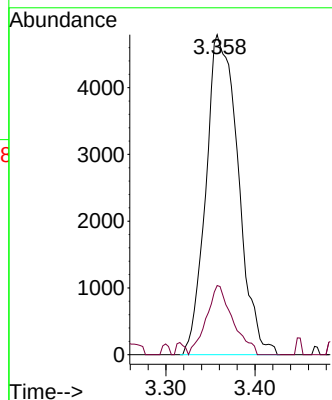
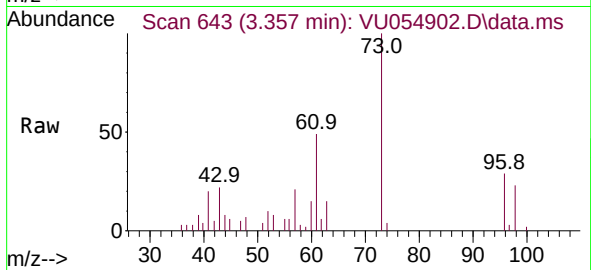
#25
Methyl tert-Butyl Ether
Concen: 0.870 ug/l
RT: 3.357 min Scan# 644
Delta R.T. -0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

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

Tgt Ion: 73 Resp: 12050
Ion Ratio Lower Upper
73 100
43 17.7 14.6 22.0

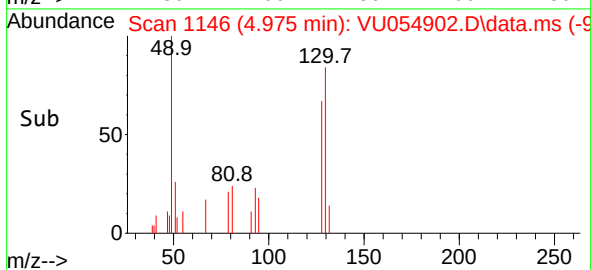
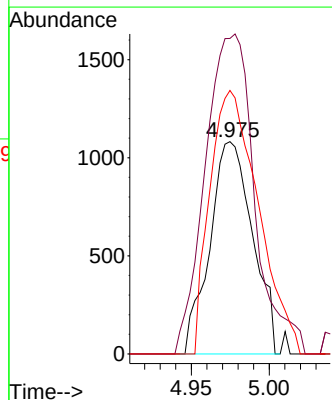
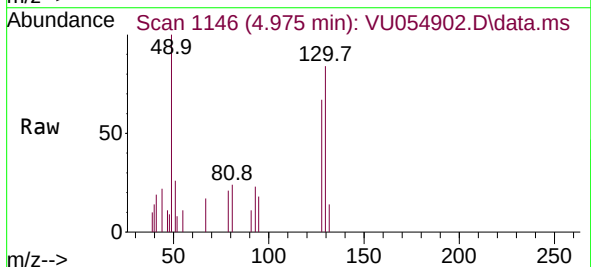
Manual Integrations
APPROVED

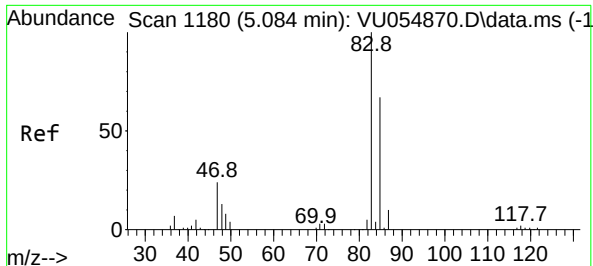
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#26
Bromochloromethane
Concen: 0.779 ug/l
RT: 4.975 min Scan# 1146
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

Tgt Ion:128 Resp: 2070
Ion Ratio Lower Upper
128 100
49 174.1 0.0 304.0
130 140.3 104.3 156.5





#27

Chloroform

Concen: 0.815 ug/l

RT: 5.087 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

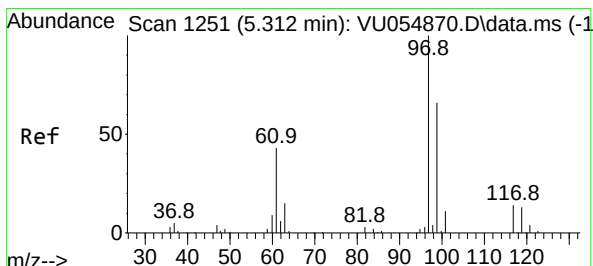
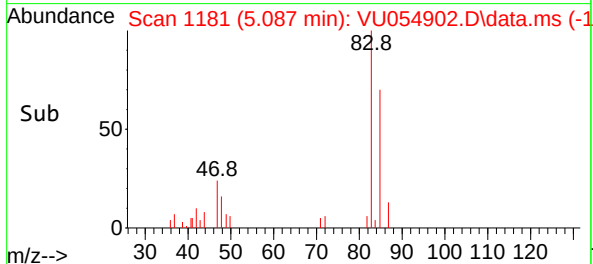
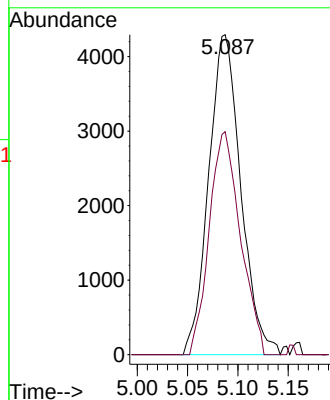
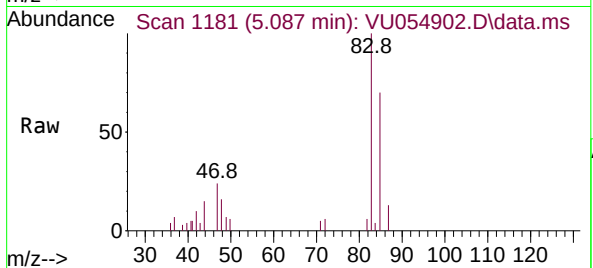
Tgt Ion: 83 Resp: 9540
 Ion Ratio Lower Upper
 83 100
 85 67.1 0.0 135.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#28

1,1,1-Trichloroethane

Concen: 0.711 ug/l

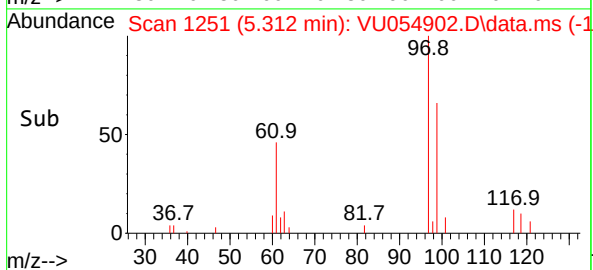
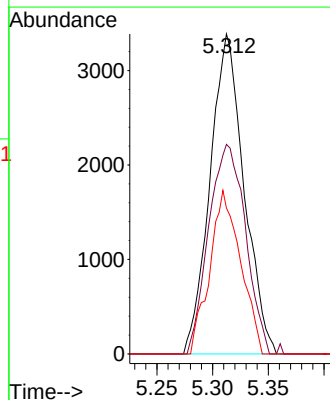
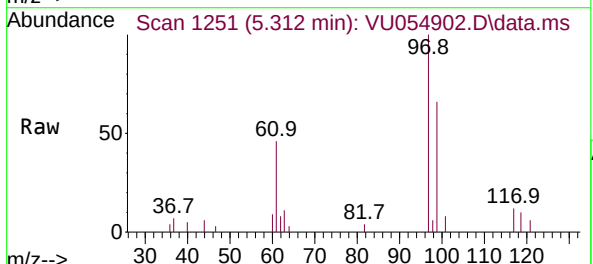
RT: 5.312 min Scan# 1251

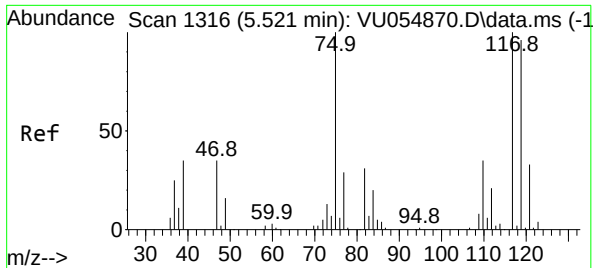
Delta R.T. 0.000 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

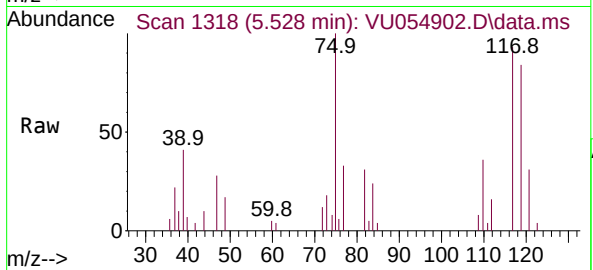
Tgt Ion: 97 Resp: 7188
 Ion Ratio Lower Upper
 97 100
 99 70.8 32.0 96.2
 61 46.2 21.0 63.0





#29
1,1-Dichloropropene
Concen: 0.733 ug/l
RT: 5.528 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

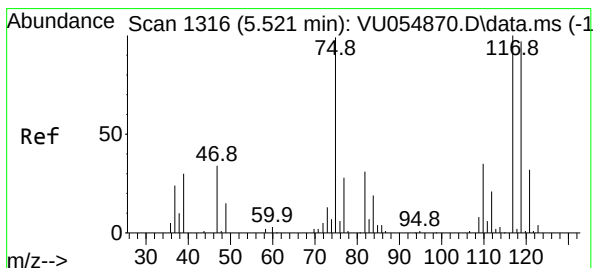
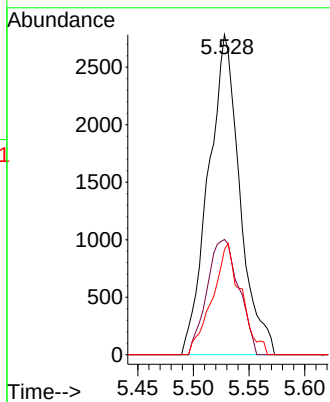
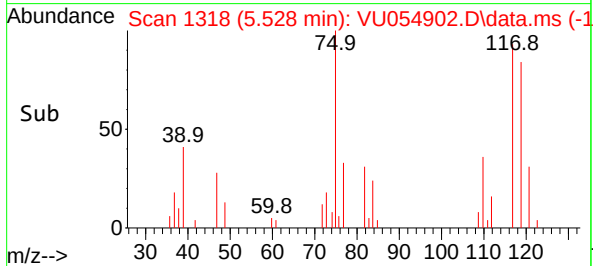
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



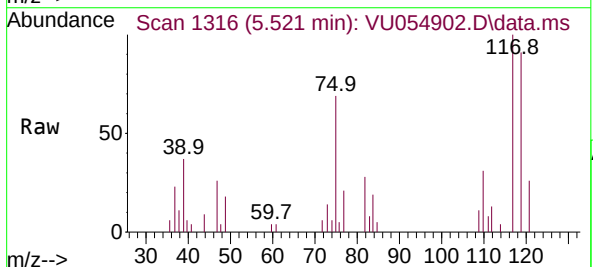
Tgt Ion: 75 Resp: 5469
Ion Ratio Lower Upper
75 100
110 36.6 18.5 55.5
77 31.8 24.9 37.3

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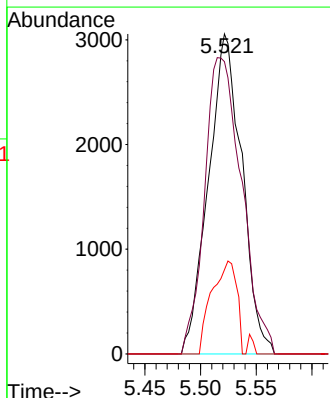
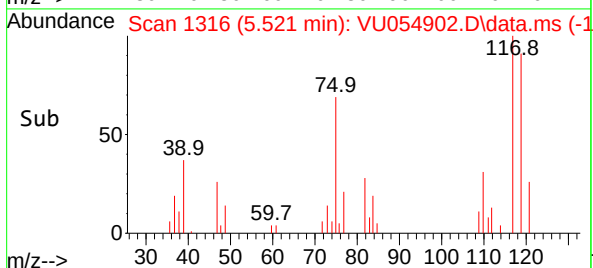
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

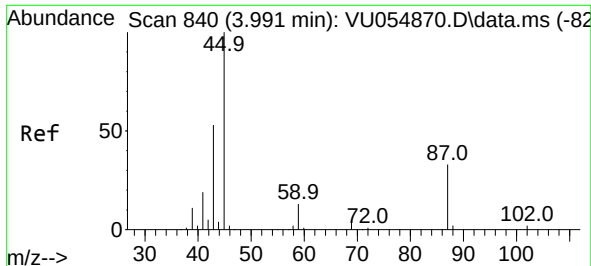


#30
Carbon Tetrachloride
Concen: 0.755 ug/l
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



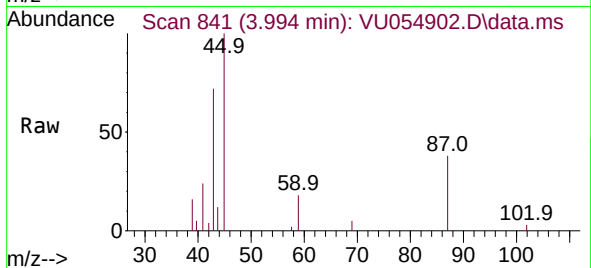
Tgt Ion:117 Resp: 6371
Ion Ratio Lower Upper
117 100
119 91.3 75.6 113.4
121 26.3 23.4 35.0





#31
Isopropyl Ether
Concen: 0.724 ug/l
RT: 3.994 min Scan# 841
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

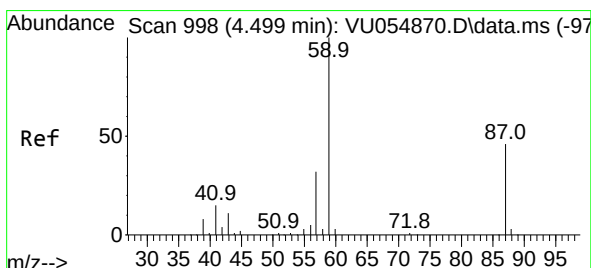
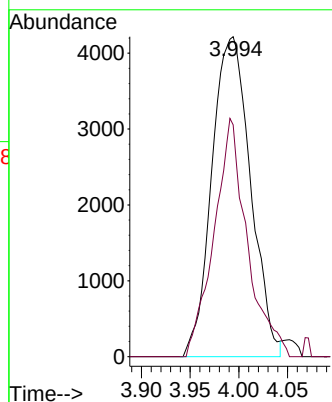
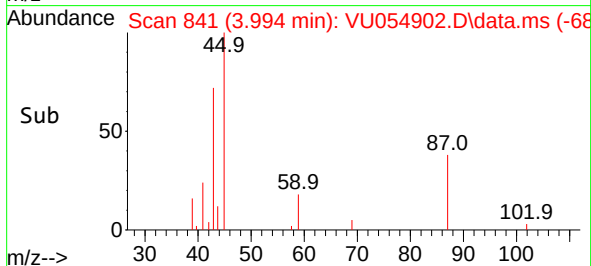
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 45 Resp: 11652
Ion Ratio Lower Upper
45 100
43 63.7 26.4 79.2

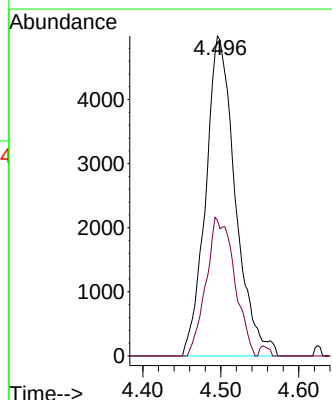
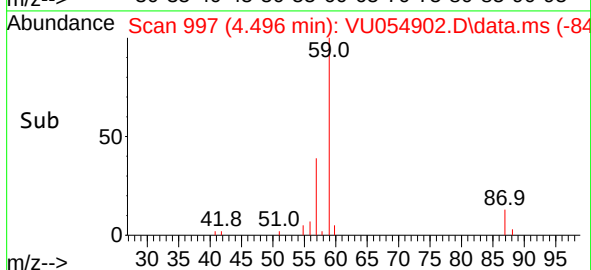
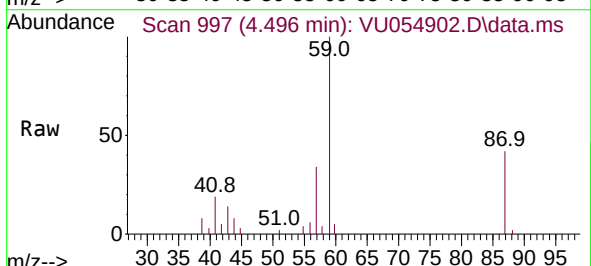
Manual Integrations
APPROVED

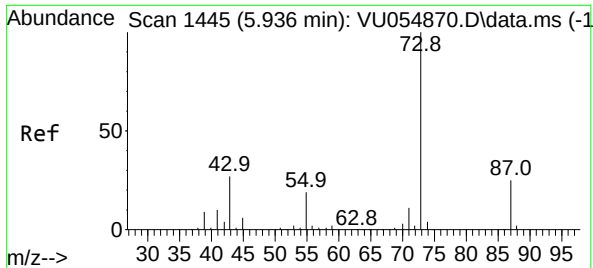
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#32
Ethyl-t-butyl ether
Concen: 0.794 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

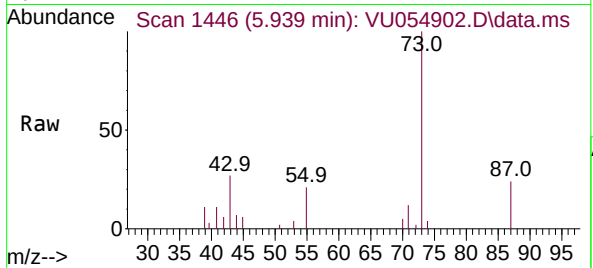
Tgt Ion: 59 Resp: 13155
Ion Ratio Lower Upper
59 100
87 41.5 35.7 53.5





#33
Tert-Amyl methyl ether
Concen: 0.816 ug/l
RT: 5.939 min Scan# 1445
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

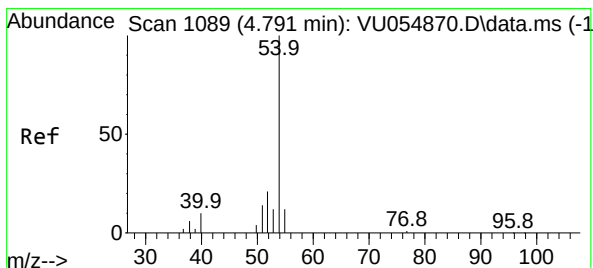
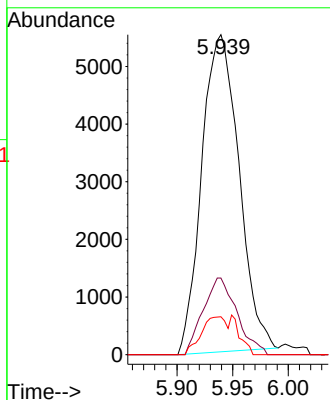
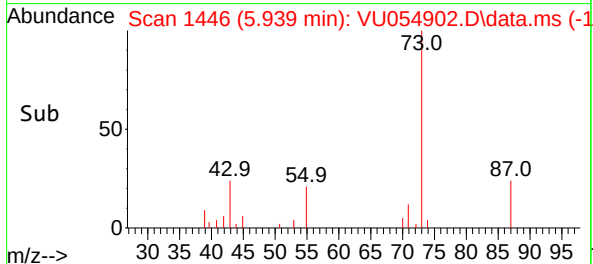
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 73 Resp: 12780
Ion Ratio Lower Upper
73 100
87 22.0 19.6 29.4
71 8.1 9.1 13.7

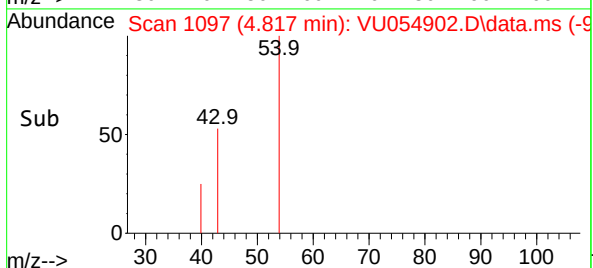
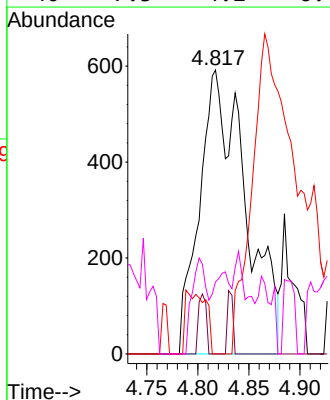
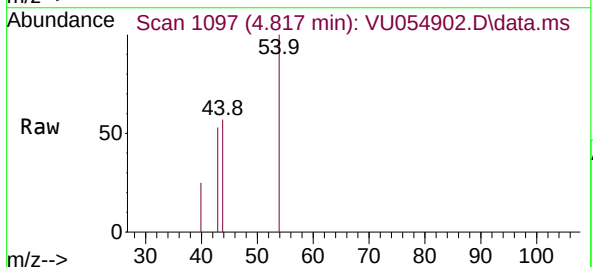
Manual Integrations
APPROVED

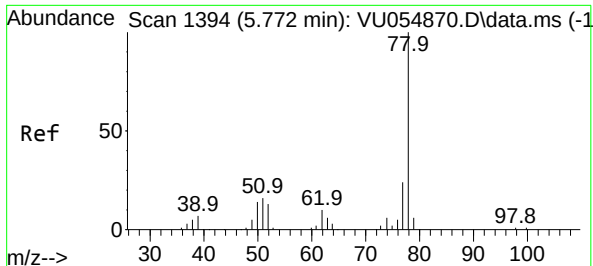
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#34
Propionitrile
Concen: 4.578 ug/l m
RT: 4.817 min Scan# 1097
Delta R.T. 0.026 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

Tgt Ion: 54 Resp: 1870
Ion Ratio Lower Upper
54 100
52 2.6 13.8 20.8#
55 0.0 4.8 7.2#
40 7.3 4.2 6.4#





#35

Benzene

Concen: 0.806 ug/l

RT: 5.775 min Scan# 11

Delta R.T. 0.003 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 78 Resp: 1883

Ion Ratio Lower Upper

78 100

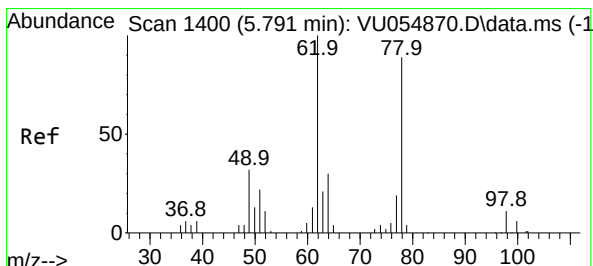
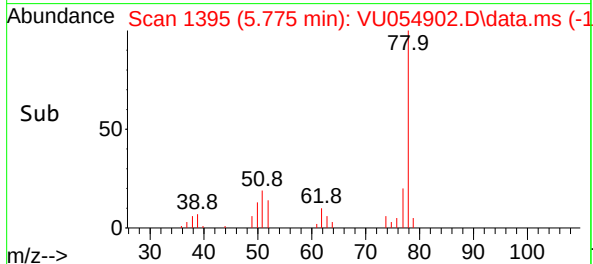
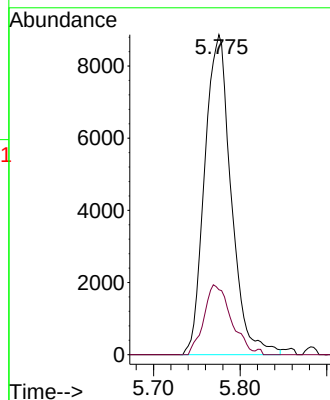
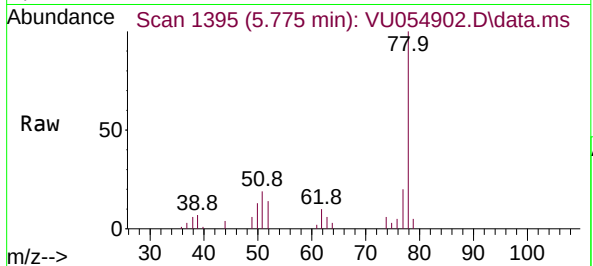
77 19.3 19.4 29.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#36

1,2-Dichloroethane

Concen: 0.803 ug/l

RT: 5.801 min Scan# 1403

Delta R.T. 0.010 min

Lab File: VU054902.D

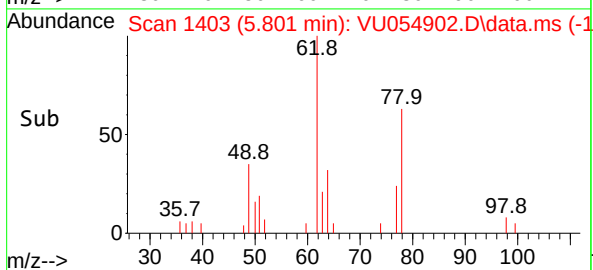
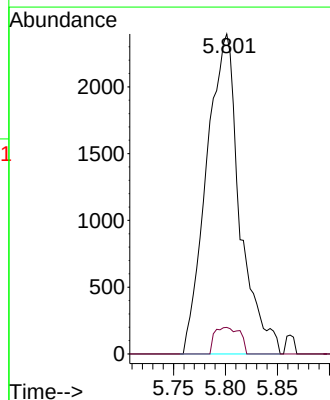
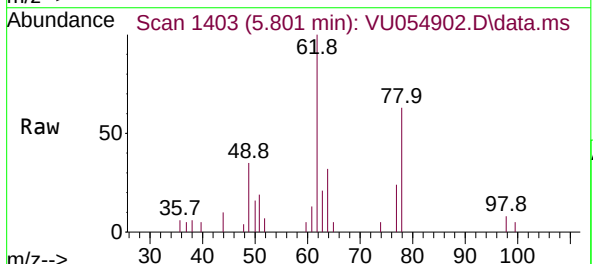
Acq: 27 Jul 2023 18:32

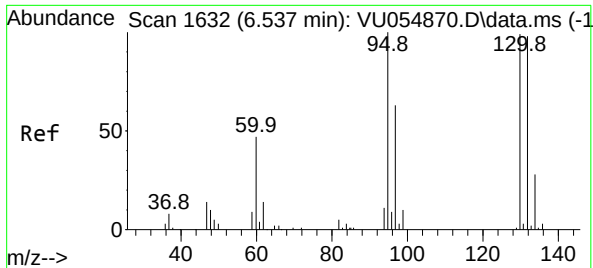
Tgt Ion: 62 Resp: 5339

Ion Ratio Lower Upper

62 100

98 6.3 7.8 11.8





#37

Trichloroethene

Concen: 0.796 ug/l

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:130 Resp: 4998

Ion Ratio Lower Upper

130 100

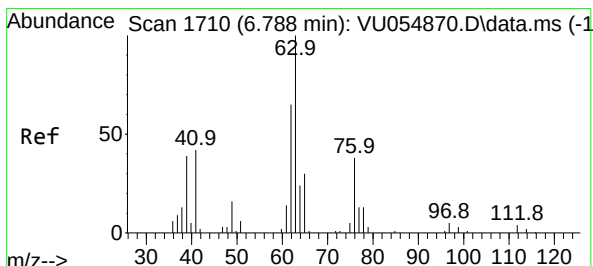
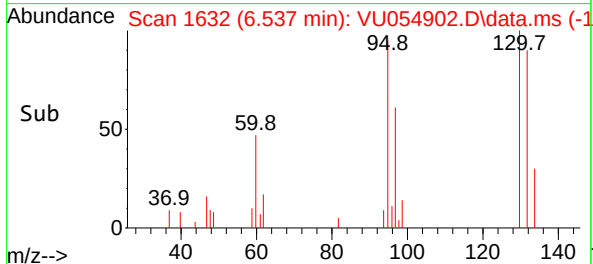
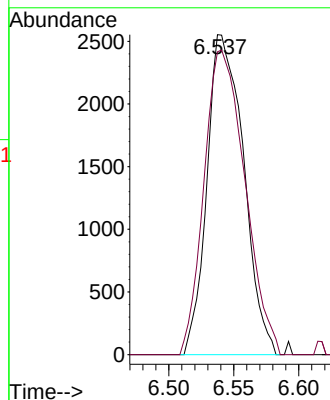
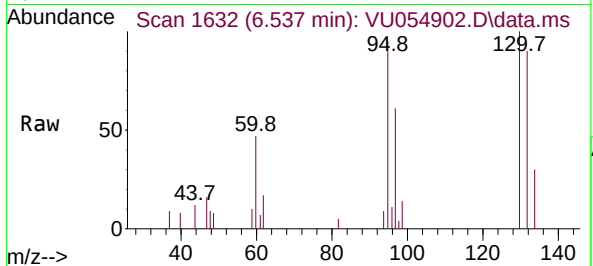
95 94.6 76.8 115.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#38

1,2-Dichloropropane

Concen: 0.848 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. 0.000 min

Lab File: VU054902.D

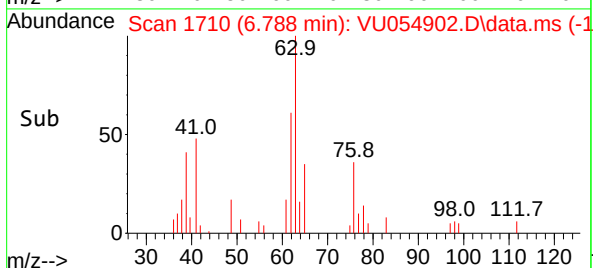
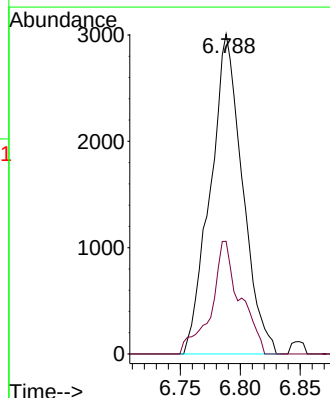
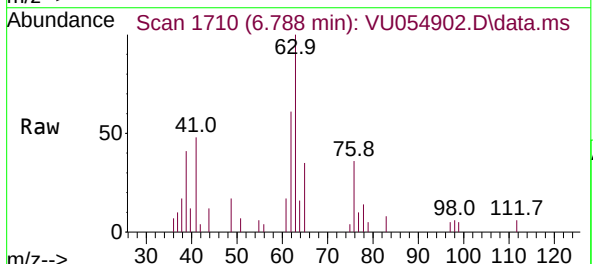
Acq: 27 Jul 2023 18:32

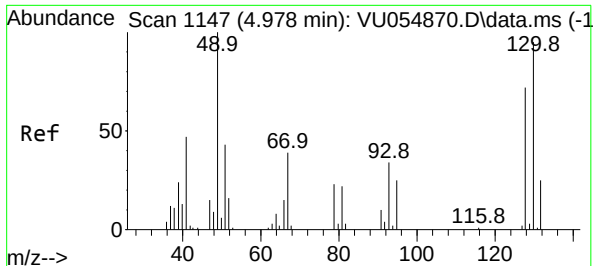
Tgt Ion: 63 Resp: 5602

Ion Ratio Lower Upper

63 100

65 35.2 24.3 36.5





#39

Methacrylonitrile

Concen: 0.757 ug/l m

RT: 4.991 min Scan# 1151

Delta R.T. 0.013 min

Lab File: VU054902.D

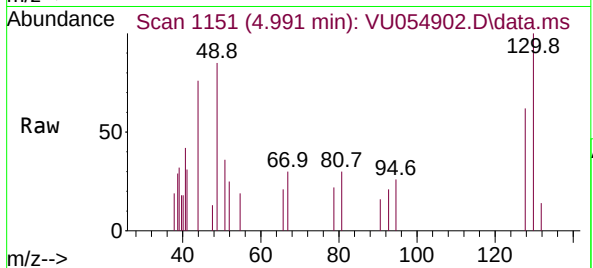
Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023



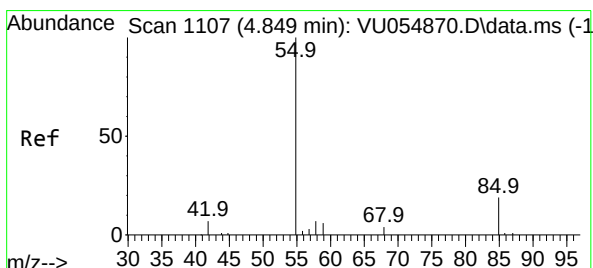
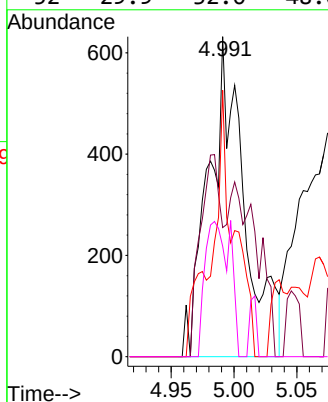
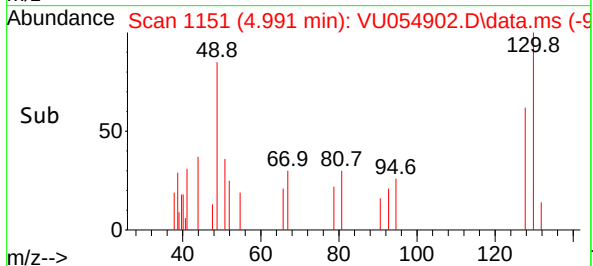
Tgt Ion:	41	Resp:	1239
Ion	Ratio	Lower	Upper
41	100		
67	42.7	77.0	115.4
39	53.2	50.4	75.6
52	29.9	32.0	48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#40

Methyl acrylate

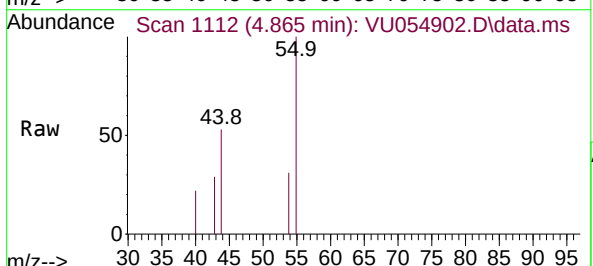
Concen: 0.898 ug/l m

RT: 4.865 min Scan# 1112

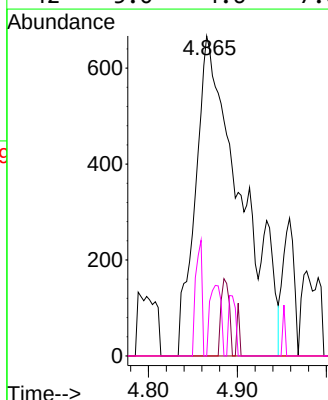
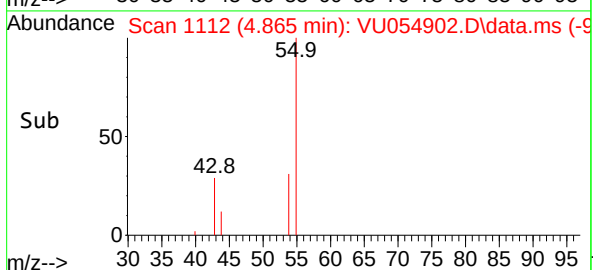
Delta R.T. 0.016 min

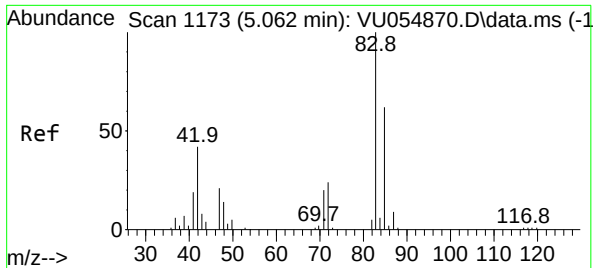
Lab File: VU054902.D

Acq: 27 Jul 2023 18:32



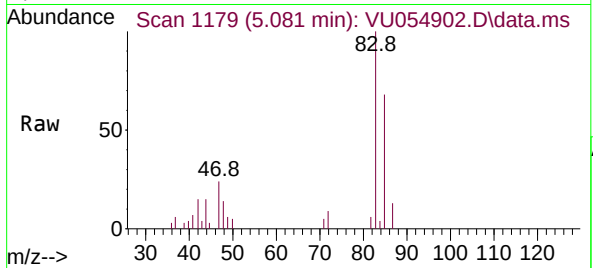
Tgt Ion:	55	Resp:	2338
Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.0	19.6
58	0.0	5.7	8.5
42	5.0	4.6	7.0





#41
Tetrahydrofuran
Concen: 1.549 ug/l
RT: 5.081 min Scan# 1173
Delta R.T. 0.019 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

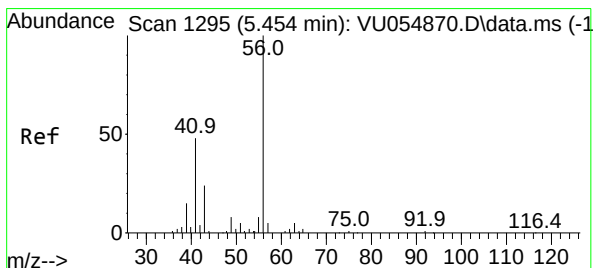
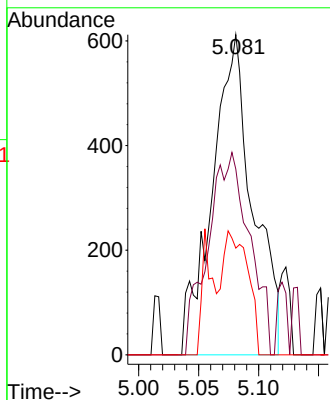
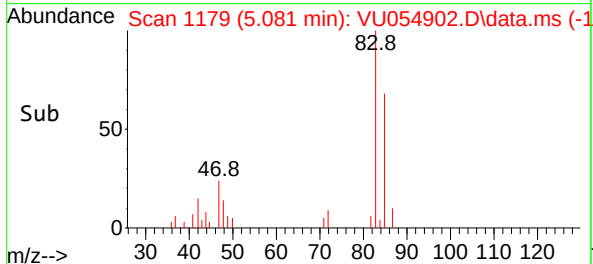
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 42 Resp: 1450
Ion Ratio Lower Upper
42 100
72 64.6 42.1 63.1
71 24.0 39.7 59.5

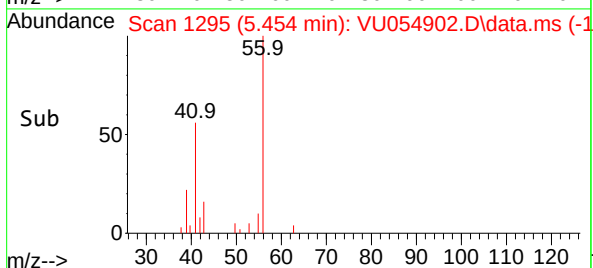
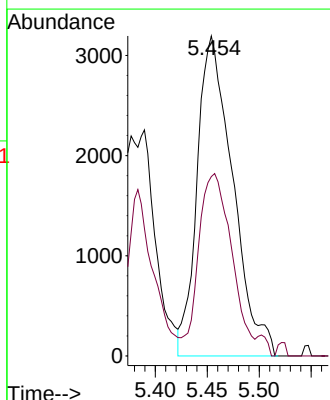
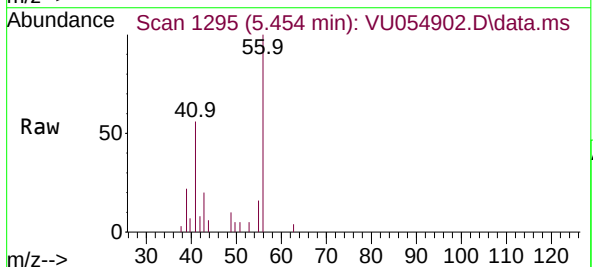
Manual Integrations
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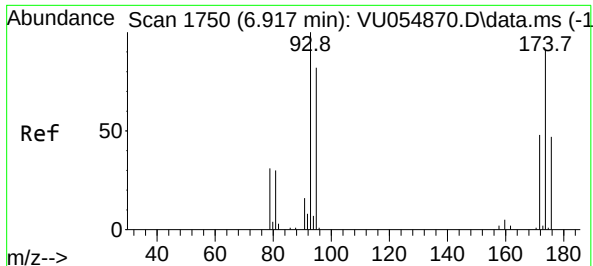
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#42
1-Chlorobutane
Concen: 0.777 ug/l
RT: 5.454 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

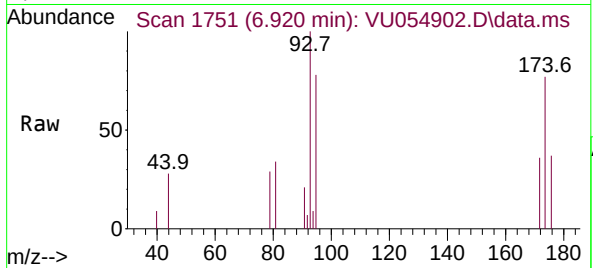
Tgt Ion: 56 Resp: 7592
Ion Ratio Lower Upper
56 100
41 46.0 23.9 71.7





#43
Dibromomethane
Concen: 0.857 ug/l
RT: 6.920 min Scan# 1751
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

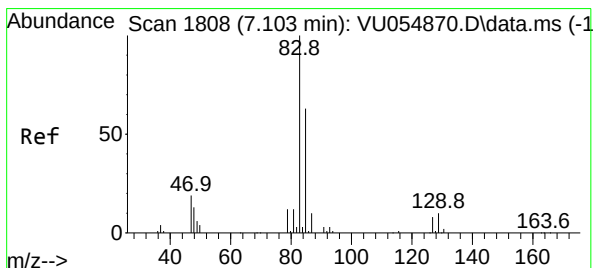
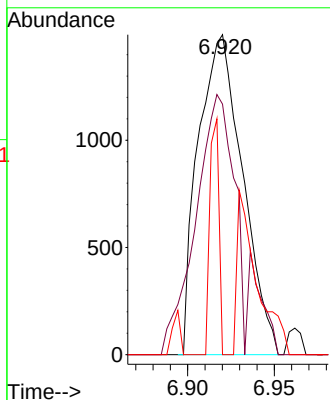
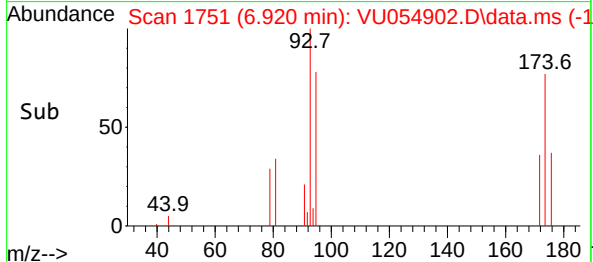
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 93 Resp: 265
Ion Ratio Lower Upper
93 100
95 70.2 64.7 97.1
174 15.2 74.4 111.6

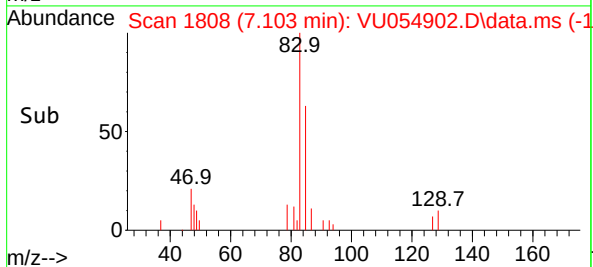
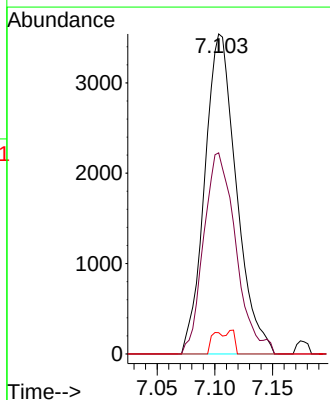
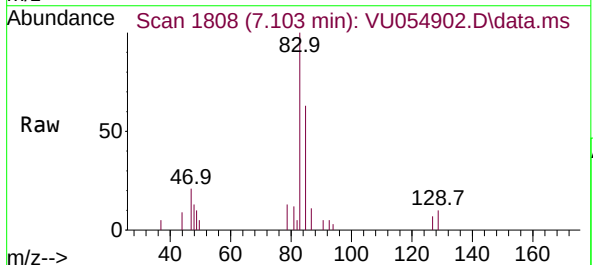
Manual Integrations
APPROVED

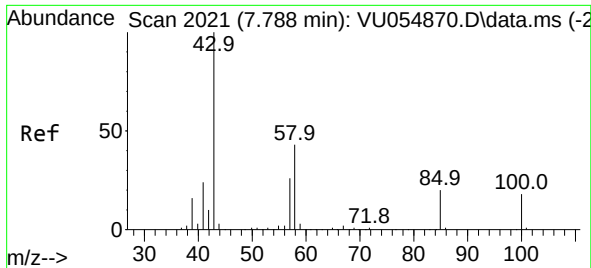
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#44
Bromodichloromethane
Concen: 0.782 ug/l
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

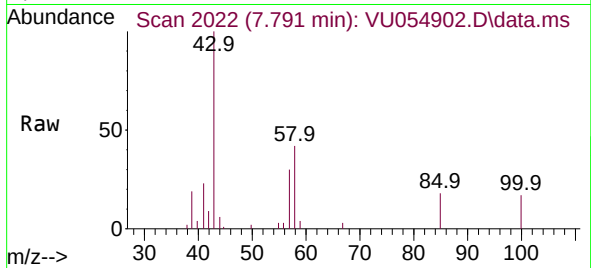
Tgt Ion: 83 Resp: 6754
Ion Ratio Lower Upper
83 100
85 62.9 52.2 78.2
127 6.7 6.1 9.1





#45
4-Methyl-2-Pentanone
Concen: 4.176 ug/l
RT: 7.791 min Scan# 2021
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

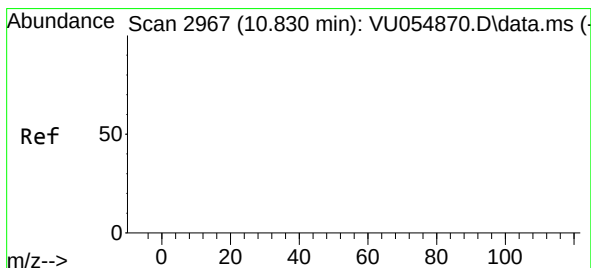
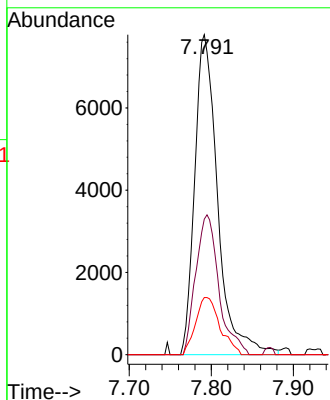
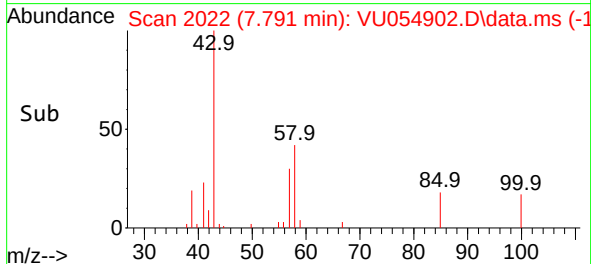
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 1511
Ion Ratio Lower Upper
43 100
58 44.0 21.3 63.7
85 19.0 15.3 22.9

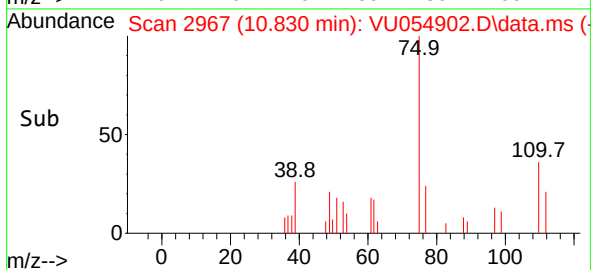
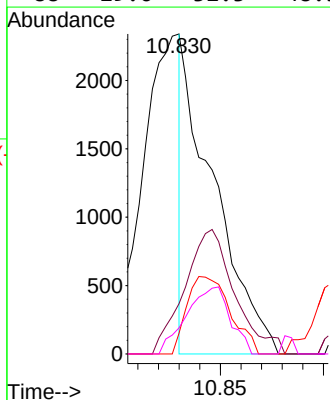
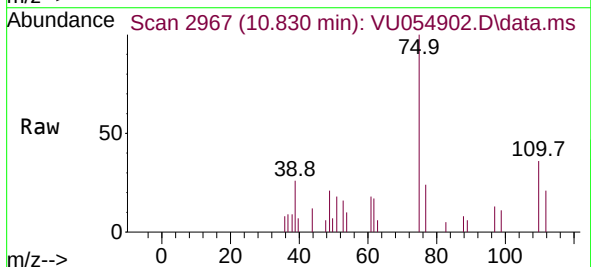
Manual Integrations
APPROVED

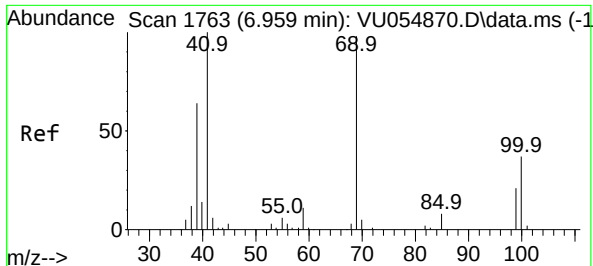
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#46
t-1,4-Dichloro-2-butene
Concen: 1.684 ug/l m
RT: 10.830 min Scan# 2967
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

Tgt Ion: 75 Resp: 2452
Ion Ratio Lower Upper
75 100
53 62.6 62.9 94.3#
89 33.8 47.8 71.8#
88 29.6 32.3 48.5#





#47

Methyl methacrylate

Concen: 1.613 ug/l

RT: 6.965 min Scan# 1765

Delta R.T. 0.007 min

Lab File: VU054902.D

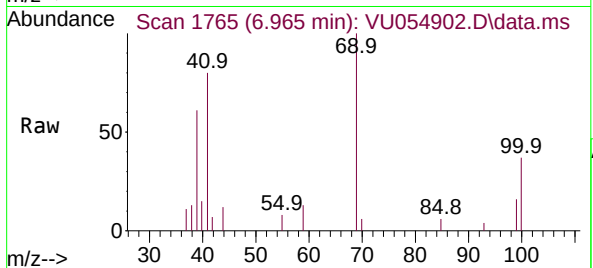
Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023



Tgt Ion: 69 Resp: 457

Ion Ratio Lower Upper

69 100

41 93.1 0.0 193.0

39 70.2 50.4 75.6

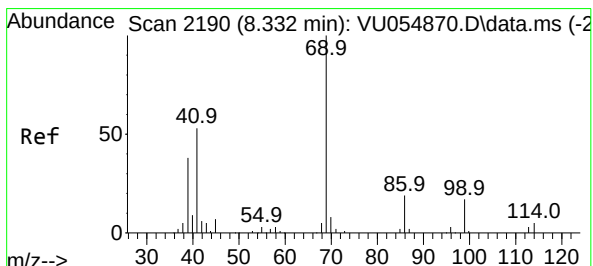
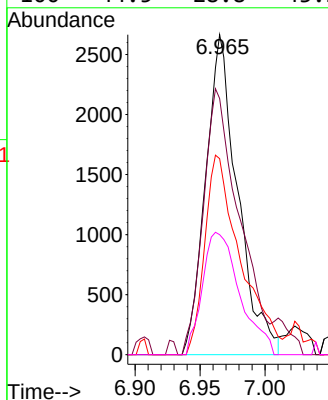
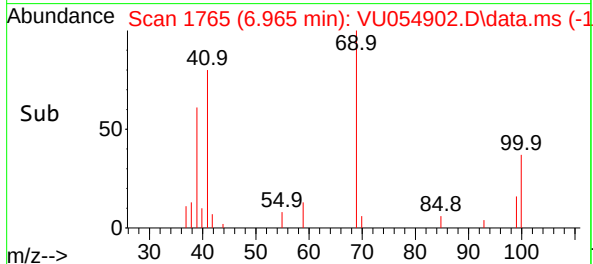
100 44.5 28.8 43.2#

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#48

Ethyl methacrylate

Concen: 0.812 ug/l

RT: 8.341 min Scan# 2193

Delta R.T. 0.010 min

Lab File: VU054902.D

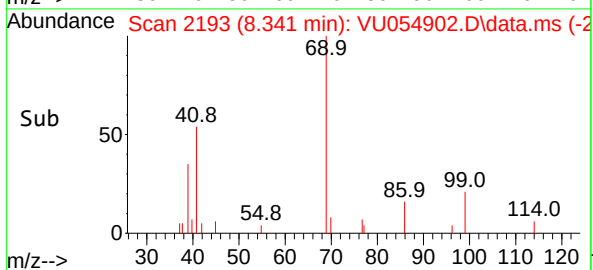
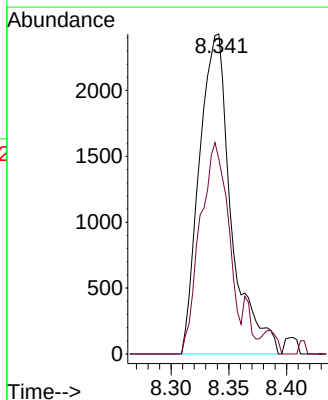
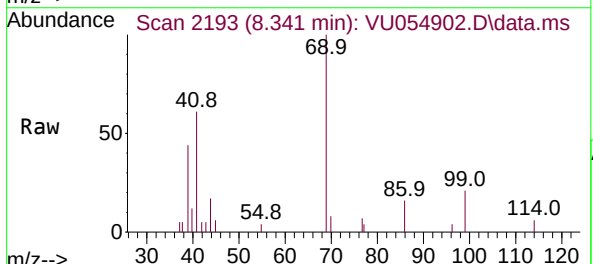
Acq: 27 Jul 2023 18:32

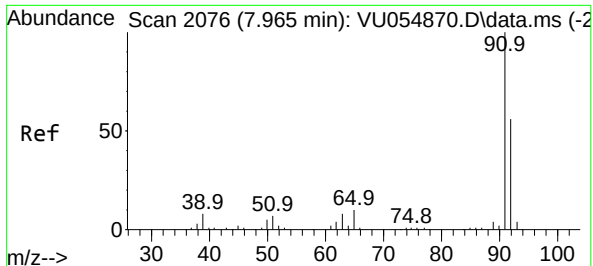
Tgt Ion: 69 Resp: 4657

Ion Ratio Lower Upper

69 100

41 58.9 28.8 86.5





#49

Toluene

Concen: 0.798 ug/l

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 92 Resp: 1187

Ion Ratio Lower Upper

92 100

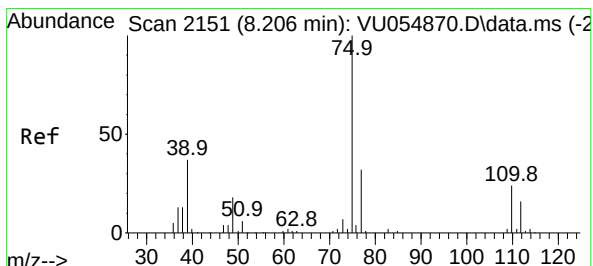
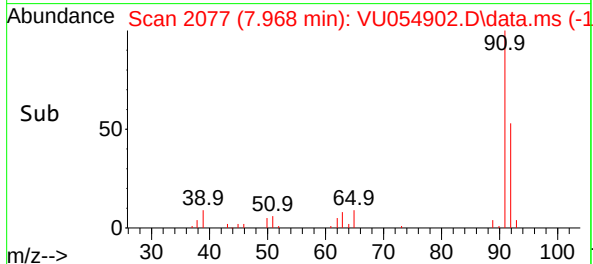
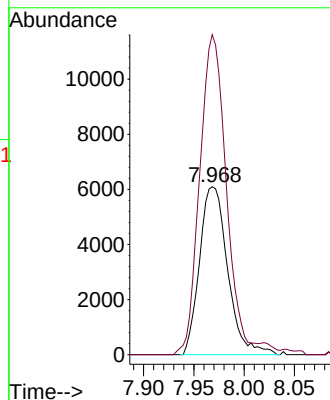
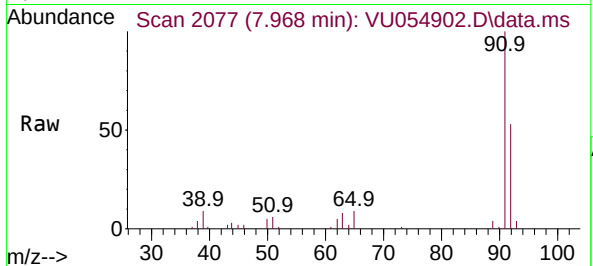
91 179.4 142.9 214.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#50

t-1,3-Dichloropropene

Concen: 0.718 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU054902.D

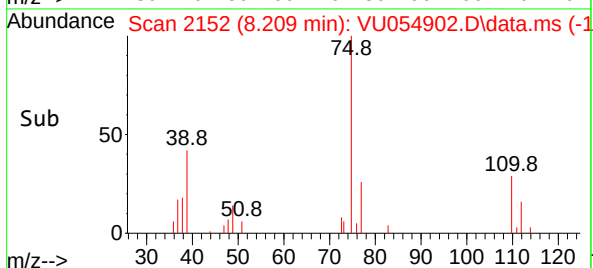
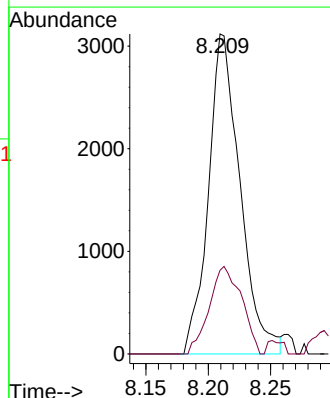
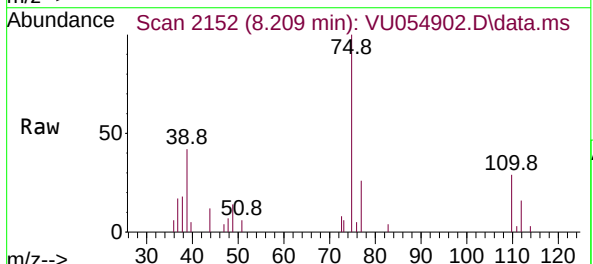
Acq: 27 Jul 2023 18:32

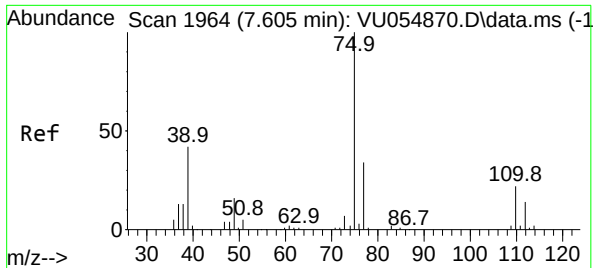
Tgt Ion: 75 Resp: 5510

Ion Ratio Lower Upper

75 100

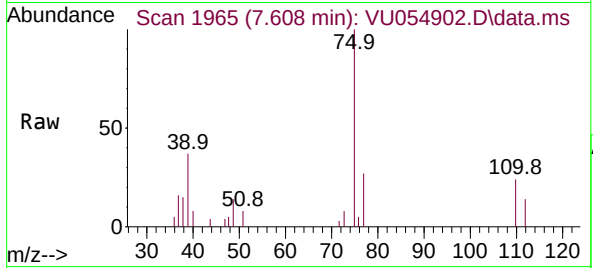
77 26.2 24.9 37.3





#51
 cis-1,3-Dichloropropene
 Concen: 0.735 ug/l
 RT: 7.608 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VU054902.D
 Acq: 27 Jul 2023 18:32

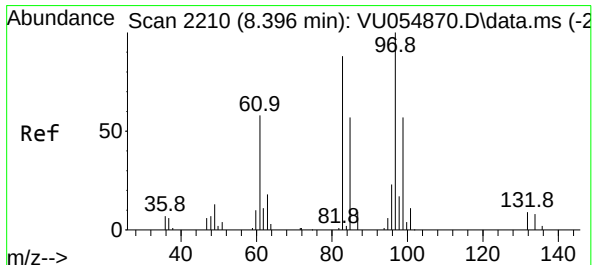
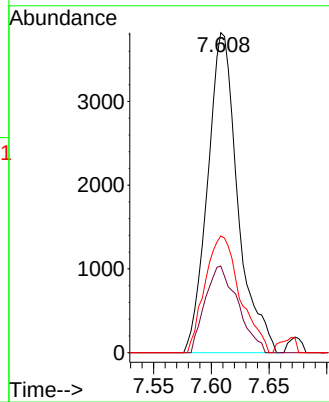
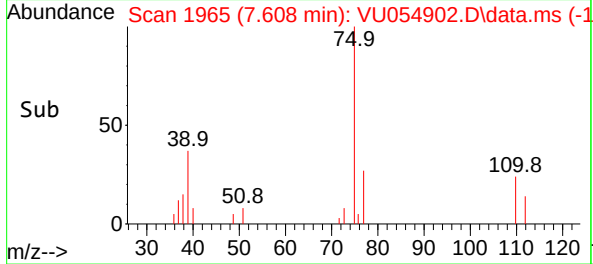
Instrument : MSVOA_U
 ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 75 Resp: 6930
 Ion Ratio Lower Upper
 75 100
 77 27.0 25.8 38.8
 39 36.5 31.7 47.5

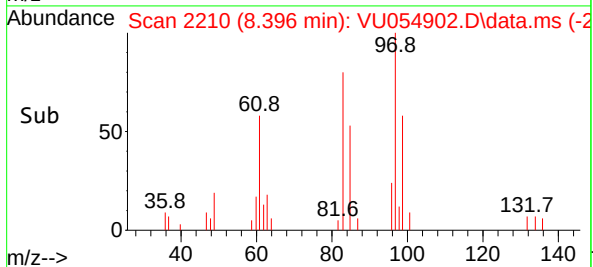
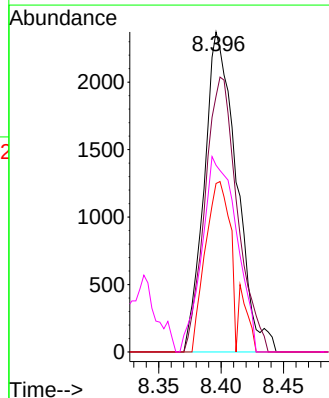
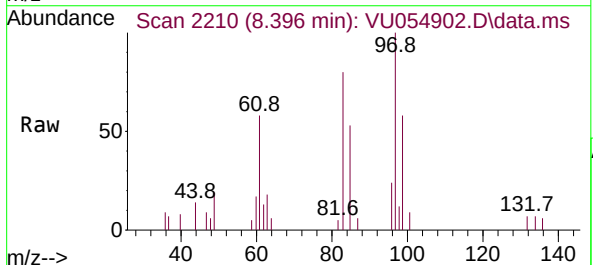
Manual Integrations
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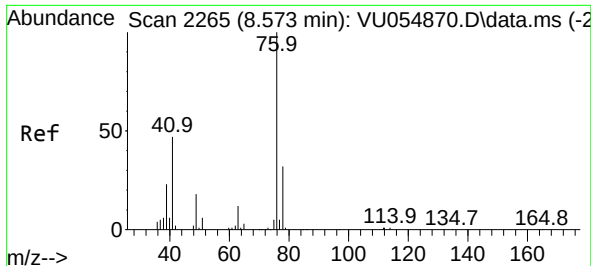
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.870 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. 0.000 min
 Lab File: VU054902.D
 Acq: 27 Jul 2023 18:32

Tgt Ion: 97 Resp: 4277
 Ion Ratio Lower Upper
 97 100
 83 79.9 77.4 116.2
 85 52.7 47.8 71.8
 99 58.3 53.1 79.7





#53

1,3-Dichloropropane

Concen: 0.837 ug/l

RT: 8.573 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 76 Resp: 665

Ion Ratio Lower Upper

76 100

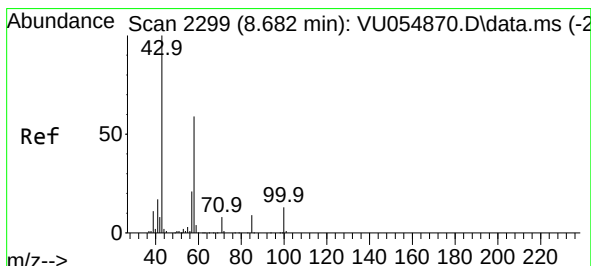
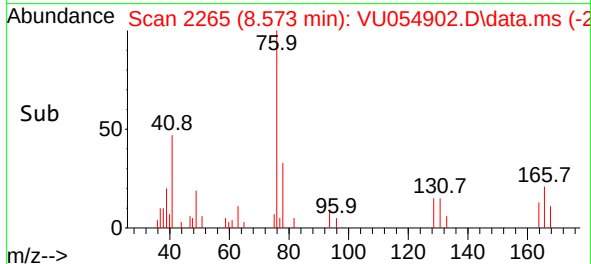
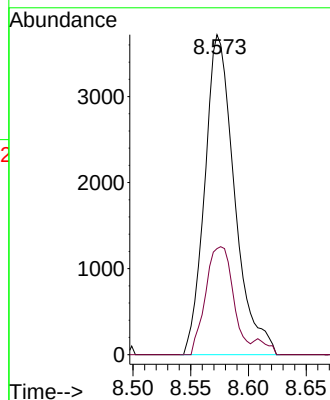
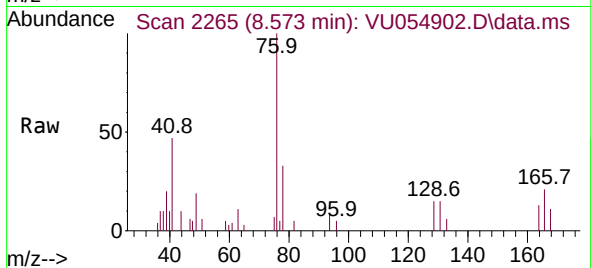
78 31.4 24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#54

2-Hexanone

Concen: 3.879 ug/l

RT: 8.688 min Scan# 2301

Delta R.T. 0.007 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

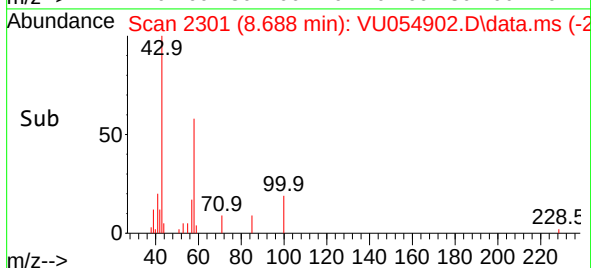
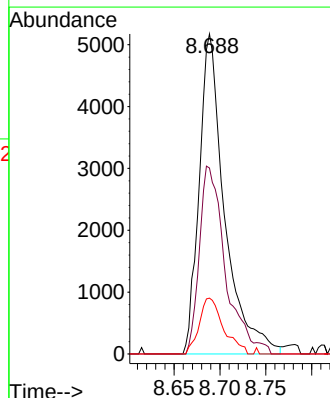
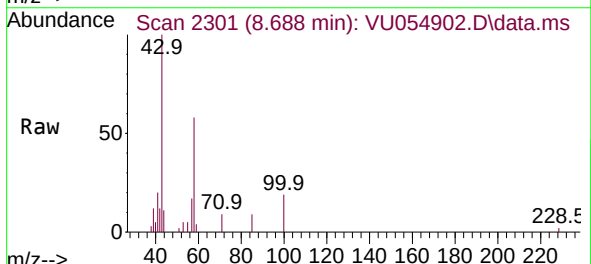
Tgt Ion: 43 Resp: 9975

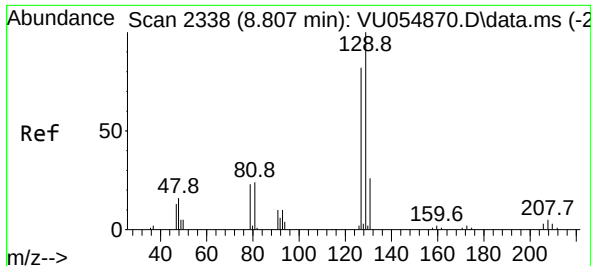
Ion Ratio Lower Upper

43 100

58 60.1 38.9 78.9

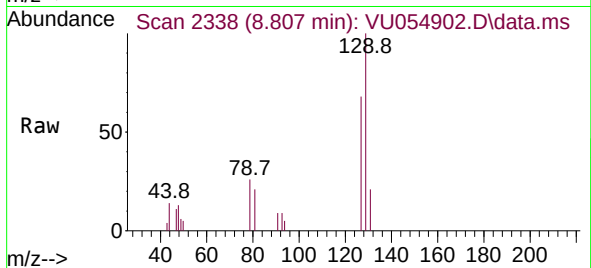
57 16.6 0.0 38.7





#55
Dibromochloromethane
Concen: 0.634 ug/l
RT: 8.807 min Scan# 2338
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

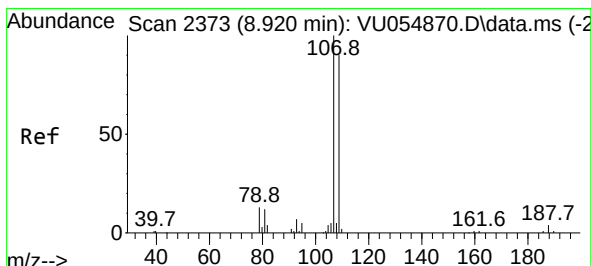
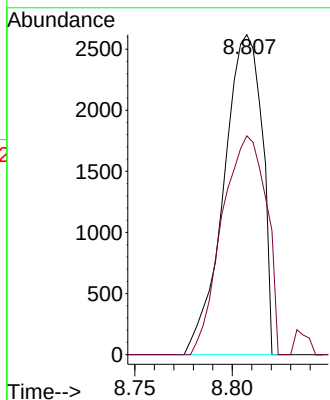
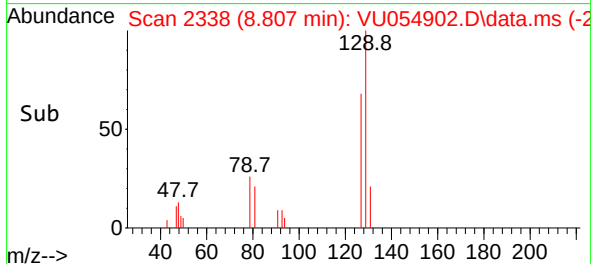
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:129 Resp: 357
Ion Ratio Lower Upper
129 100
127 79.0 61.4 92.0

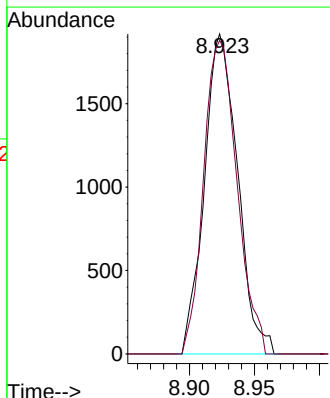
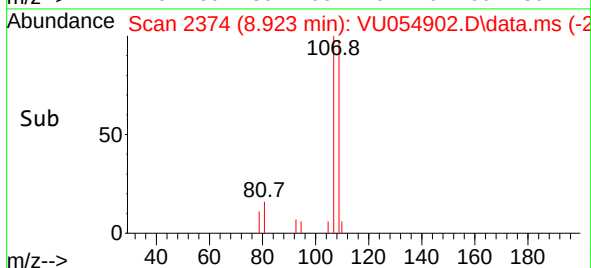
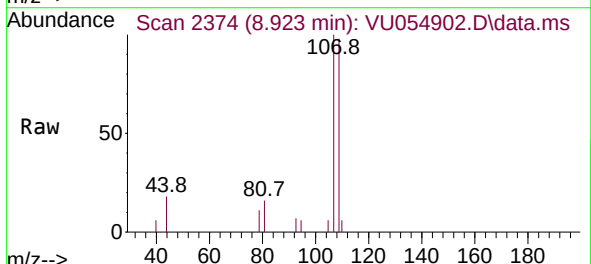
Manual Integrations
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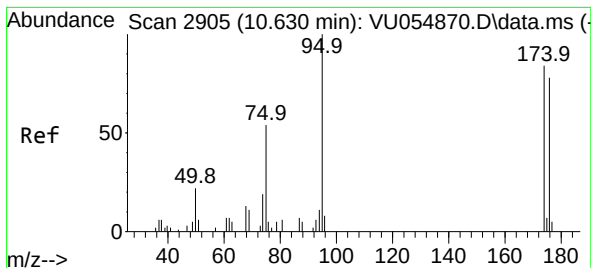
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#56
1,2-Dibromoethane
Concen: 0.819 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

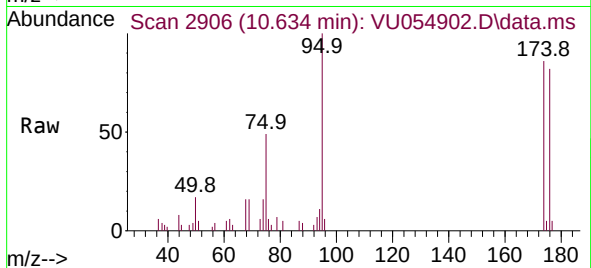
Tgt Ion:107 Resp: 3414
Ion Ratio Lower Upper
107 100
109 98.2 0.0 185.4





#57
4-Bromofluorobenzene
Concen: 1.050 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

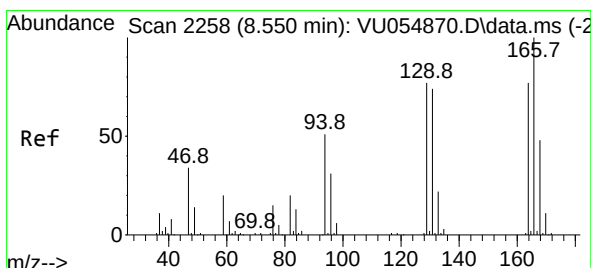
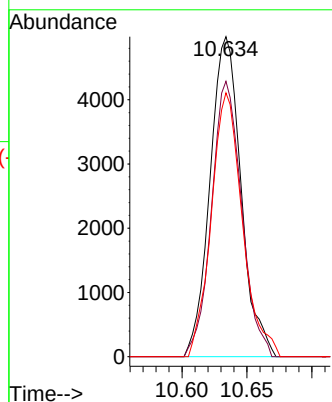
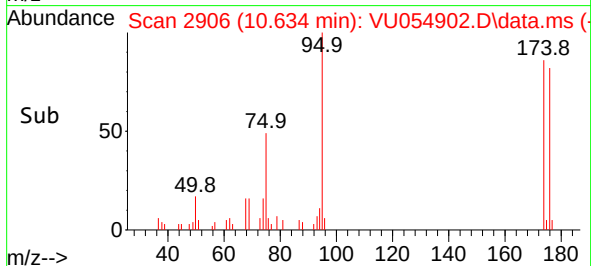
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 95 Resp: 8254
Ion Ratio Lower Upper
95 100
174 83.6 79.3 118.9
176 82.5 71.5 107.3

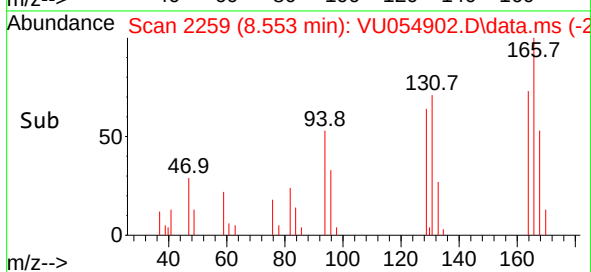
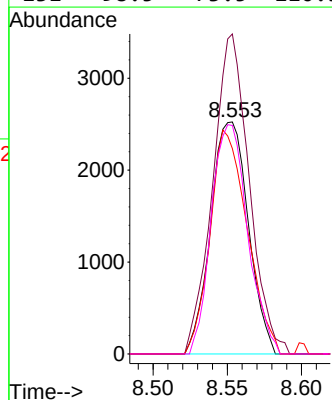
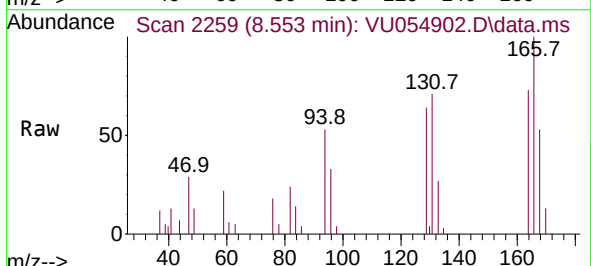
Manual Integrations
APPROVED

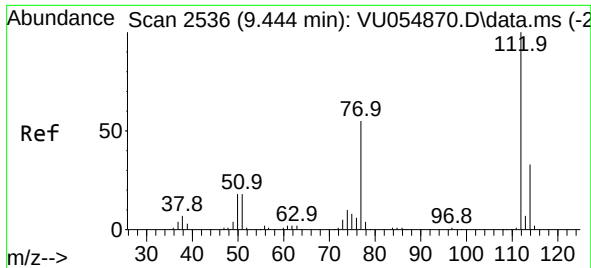
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#58
Tetrachloroethene
Concen: 0.813 ug/l
RT: 8.553 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

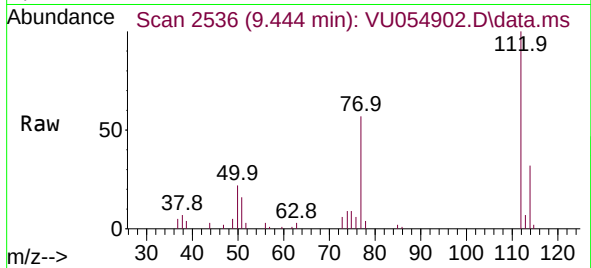
Tgt Ion:164 Resp: 4456
Ion Ratio Lower Upper
164 100
166 137.9 100.4 150.6
129 88.5 71.9 107.9
131 98.5 73.5 110.3





#59
Chlorobenzene
Concen: 0.779 ug/l
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

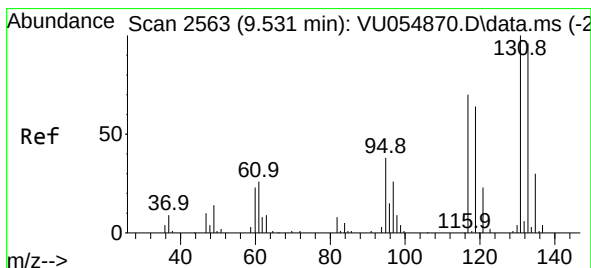
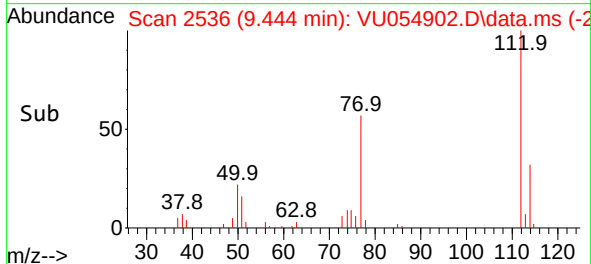
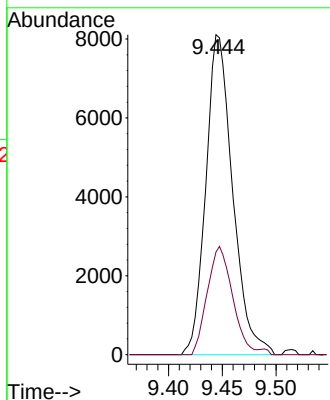
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:112 Resp: 1406
Ion Ratio Lower Upper
112 100
114 33.8 25.0 37.6

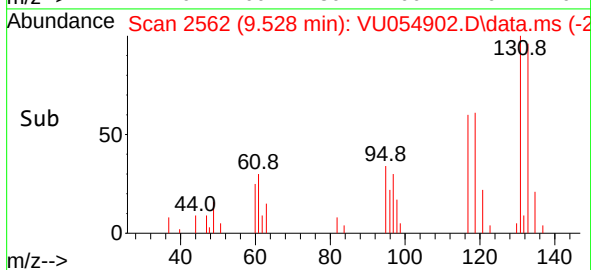
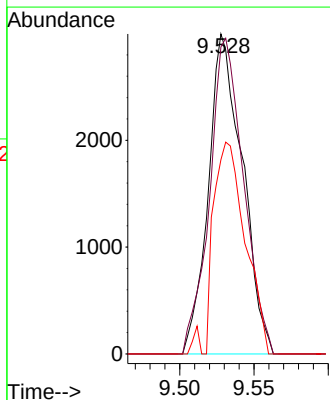
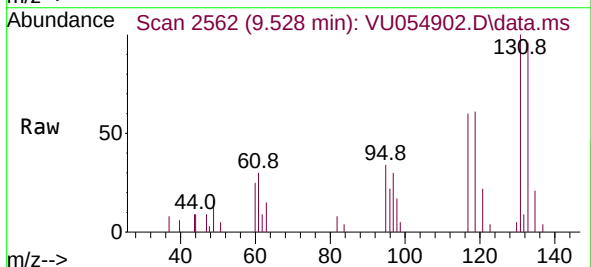
Manual Integrations
APPROVED

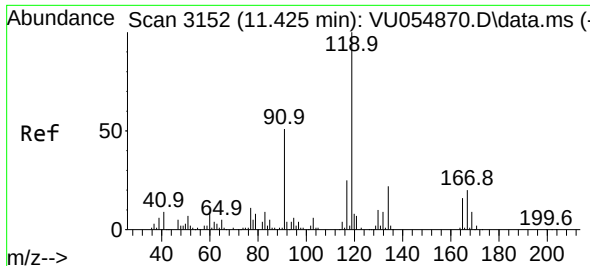
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 0.750 ug/l
RT: 9.528 min Scan# 2562
Delta R.T. -0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

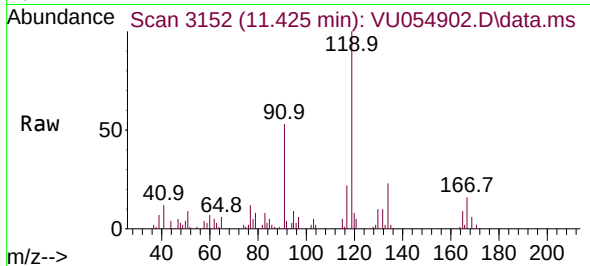
Tgt Ion:131 Resp: 4783
Ion Ratio Lower Upper
131 100
133 98.6 74.2 111.4
119 62.7 51.0 76.4





#61
Pentachloroethane
Concen: 0.706 ug/l
RT: 11.425 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

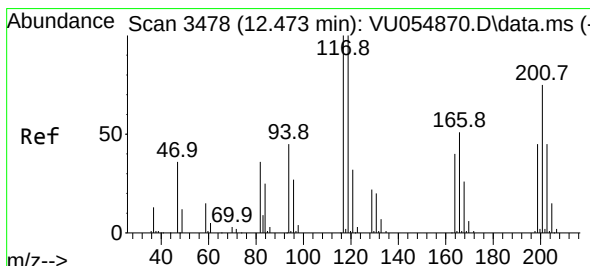
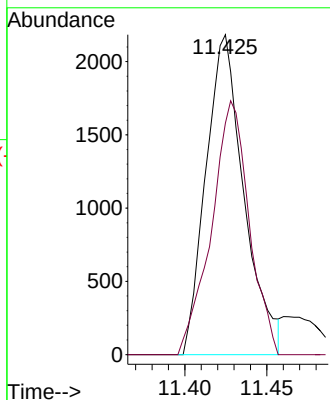
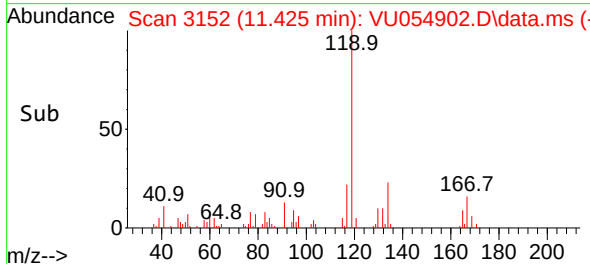
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



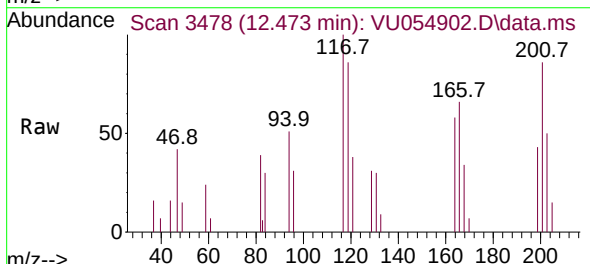
Tgt Ion:117 Resp: 351
Ion Ratio Lower Upper
117 100
167 78.6 65.3 97.9

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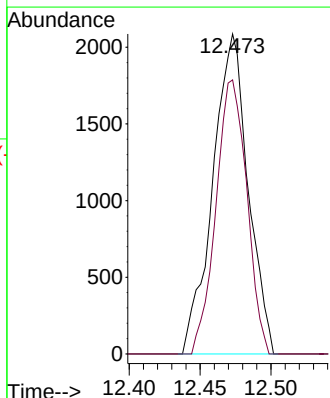
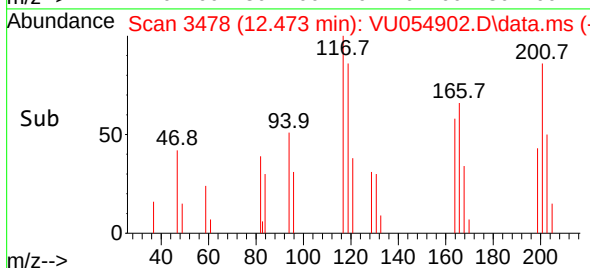
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

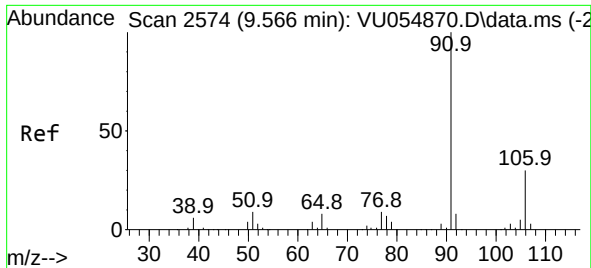


#62
Hexachloroethane
Concen: 0.707 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



Tgt Ion:117 Resp: 3623
Ion Ratio Lower Upper
117 100
201 74.8 56.1 84.1





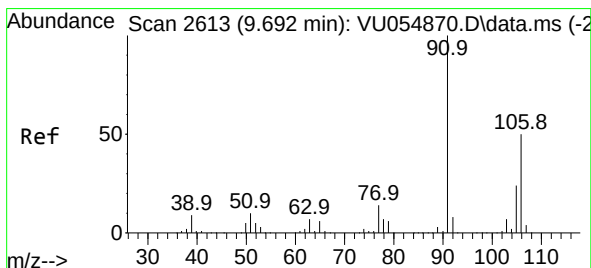
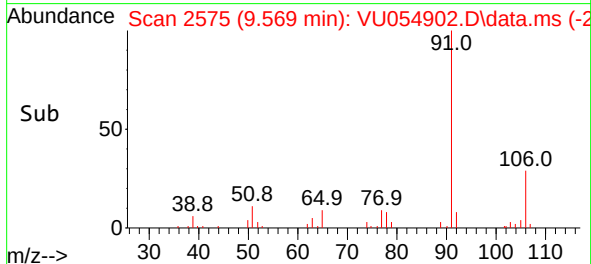
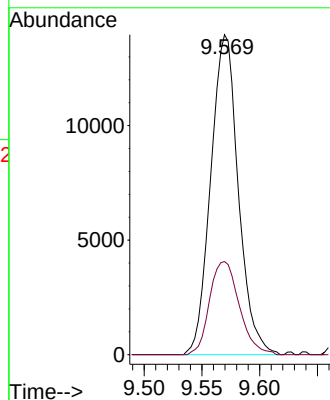
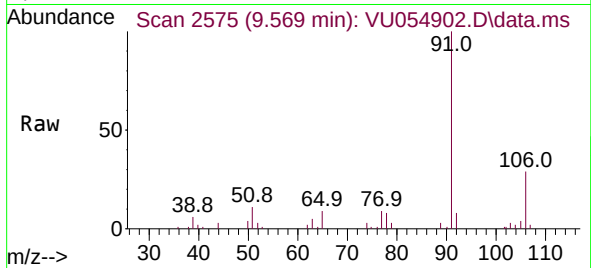
#63
Ethyl Benzene
Concen: 0.766 ug/l
RT: 9.569 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

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

Tgt Ion: 91 Resp: 2321
Ion Ratio Lower Upper
91 100
106 29.1 24.2 36.2

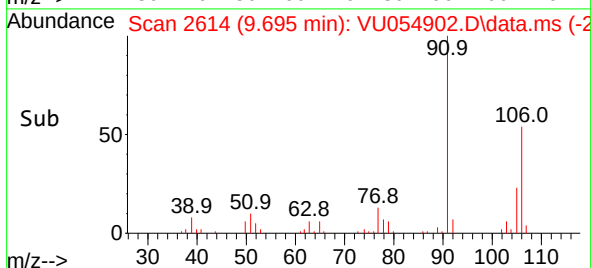
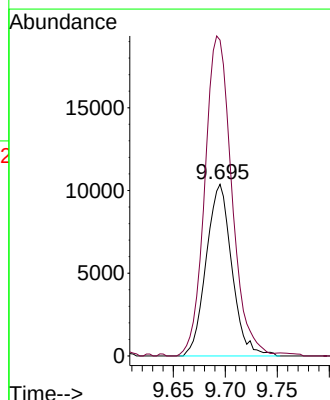
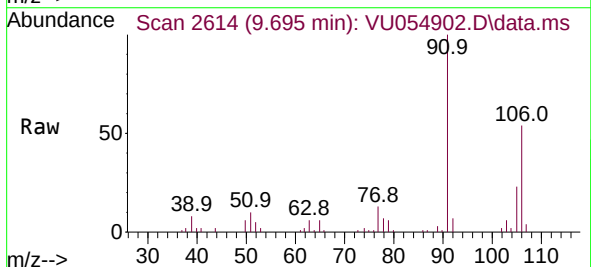
Manual Integrations
APPROVED

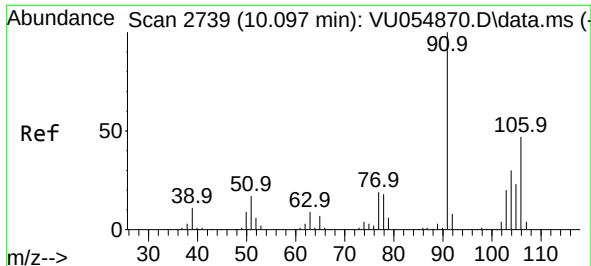
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#64
m/p-Xylenes
Concen: 1.574 ug/l
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

Tgt Ion:106 Resp: 17843
Ion Ratio Lower Upper
106 100
91 195.7 158.8 238.2





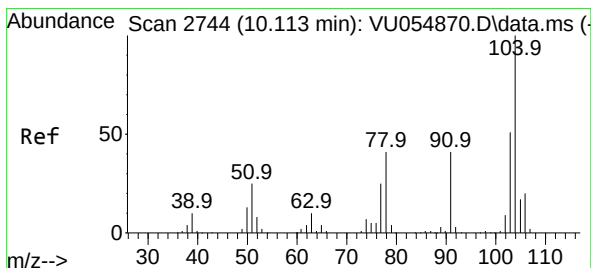
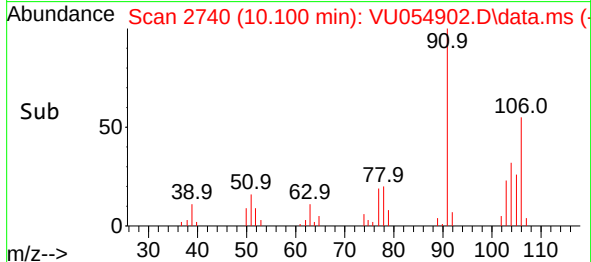
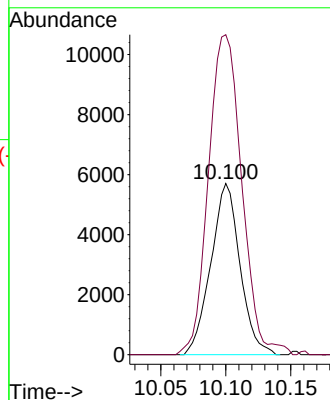
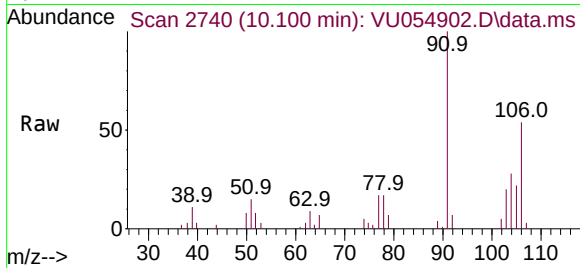
#65
o-Xylene
Concen: 0.765 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

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

Tgt Ion:106 Resp: 891
Ion Ratio Lower Upper
106 100
91 213.3 108.9 326.8

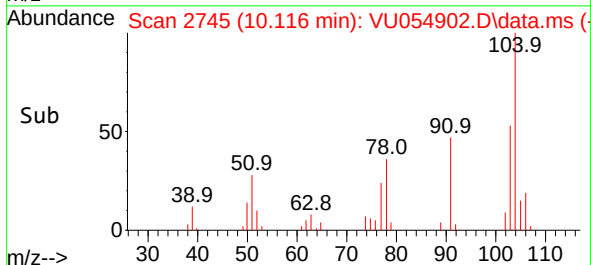
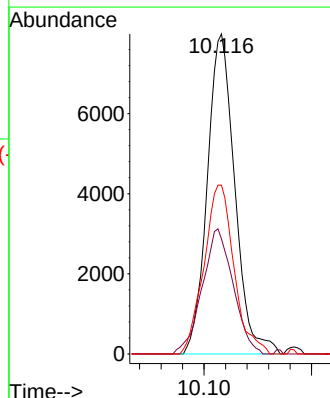
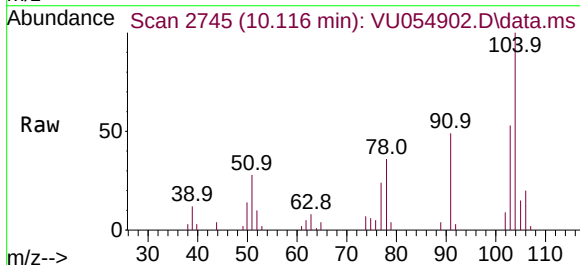
Manual Integrations
APPROVED

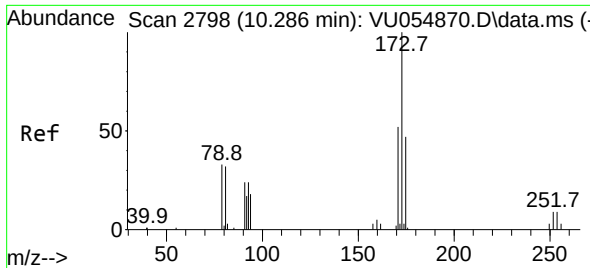
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#66
Styrene
Concen: 0.763 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

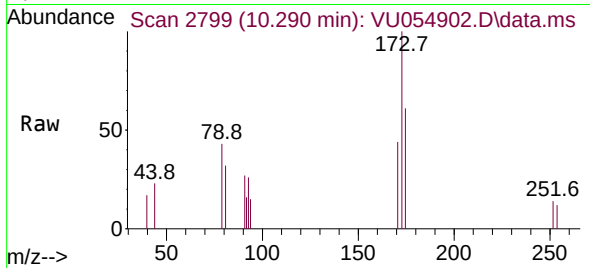
Tgt Ion:104 Resp: 14204
Ion Ratio Lower Upper
104 100
78 43.7 37.5 56.3
103 57.4 45.2 67.8





#67
Bromoform
Concen: 0.705 ug/l
RT: 10.290 min Scan# 2798
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

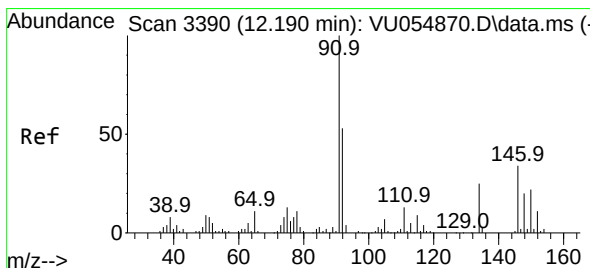
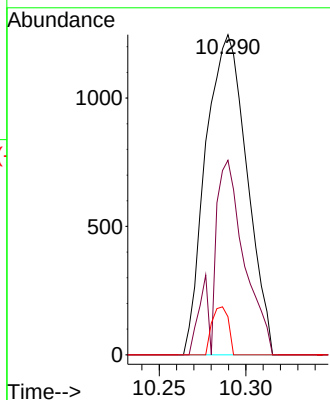
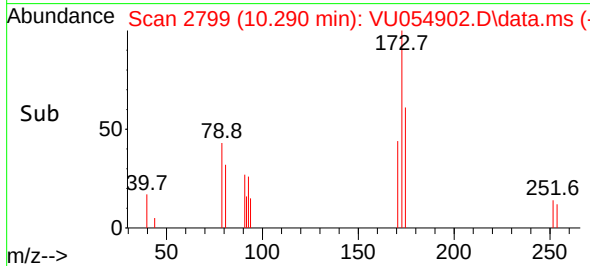
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



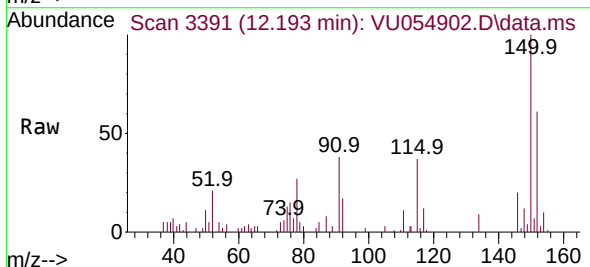
Tgt Ion:173 Resp: 2059
Ion Ratio Lower Upper
173 100
175 45.9 39.0 58.6
254 6.0 7.4 11.0

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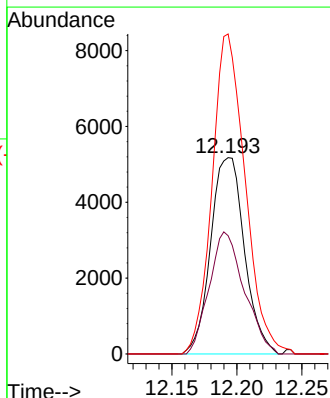
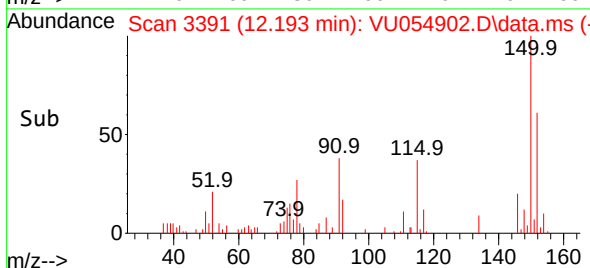
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

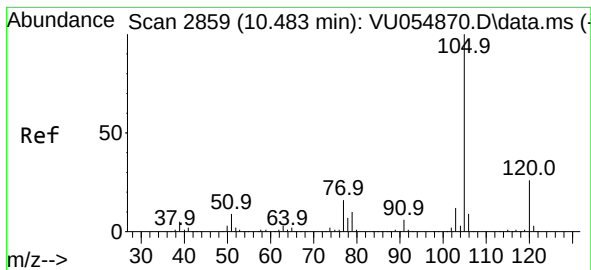


#68
1,2-Dichlorobenzene-d4
Concen: 1.055 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



Tgt Ion:152 Resp: 9378
Ion Ratio Lower Upper
152 100
115 64.3 0.0 234.8
150 159.1 0.0 598.2





#69

Isopropylbenzene

Concen: 0.734 ug/l

RT: 10.483 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:105 Resp: 2295

Ion Ratio Lower Upper

105 100

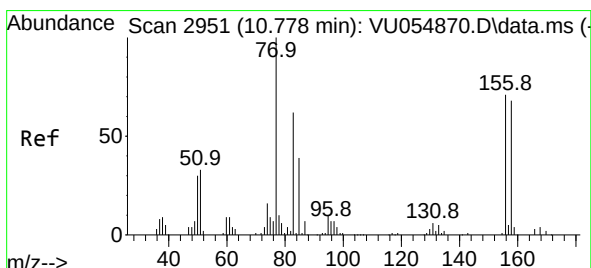
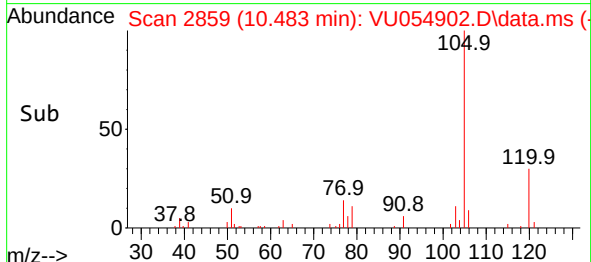
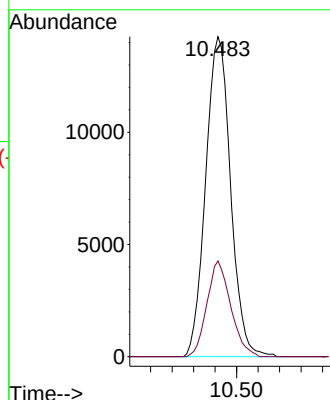
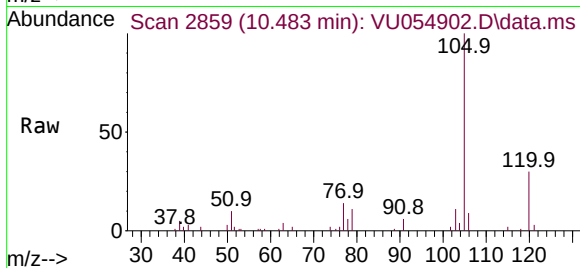
120 28.5 12.6 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 0.773 ug/l

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

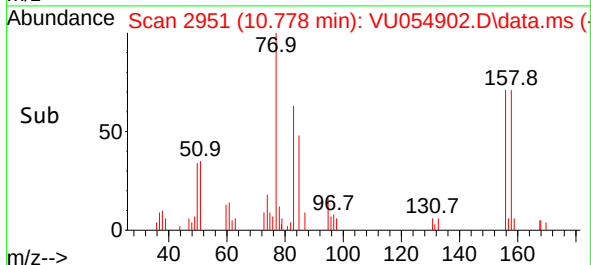
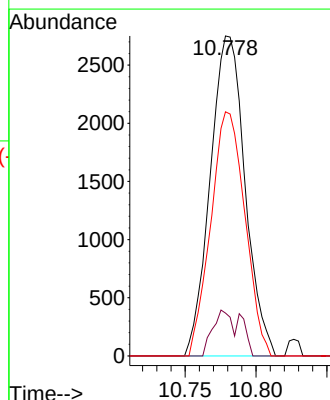
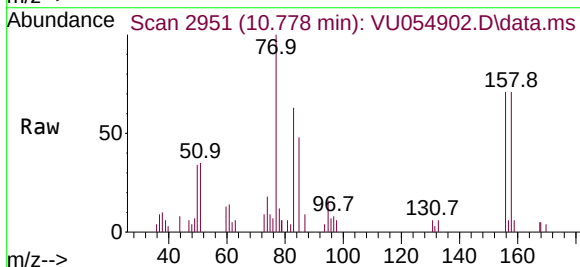
Tgt Ion: 83 Resp: 4703

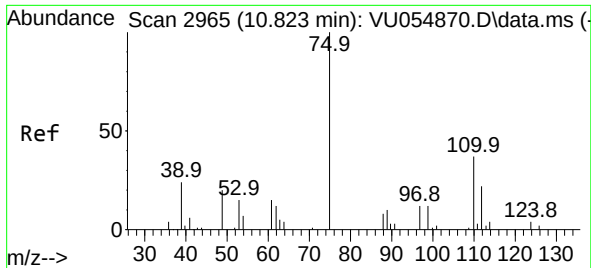
Ion Ratio Lower Upper

83 100

131 7.9 7.5 11.3

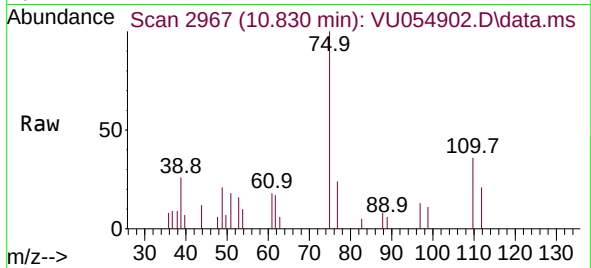
85 74.7 53.0 79.6





#71
1,2,3-Trichloropropane
Concen: 0.971 ug/l m
RT: 10.830 min Scan# 2965
Delta R.T. 0.007 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

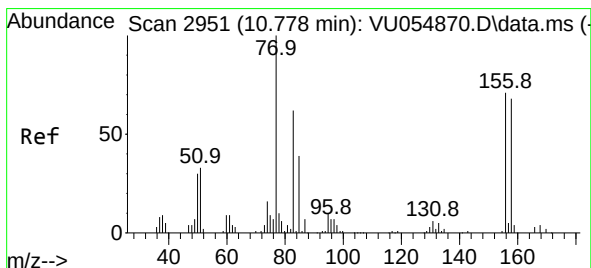
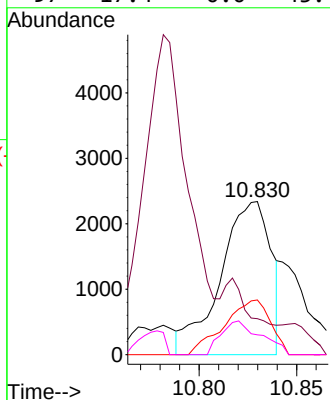
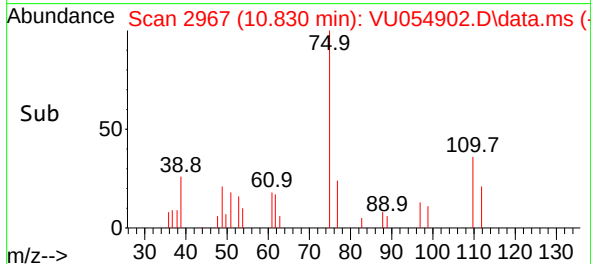
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



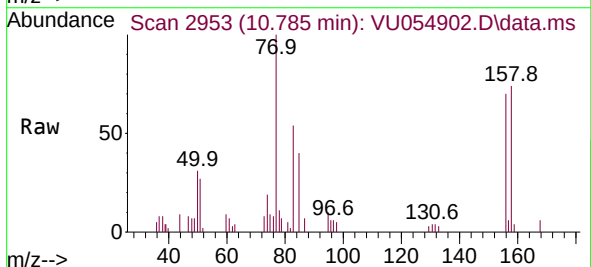
Tgt Ion: 75 Resp: 4209
Ion Ratio Lower Upper
75 100
77 13.9 0.0 0.0
110 32.7 0.0 80.8
97 17.4 0.0 43.4

Manual Integrations
APPROVED

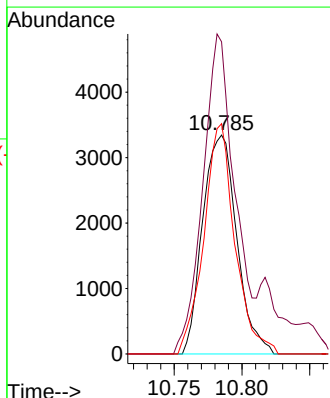
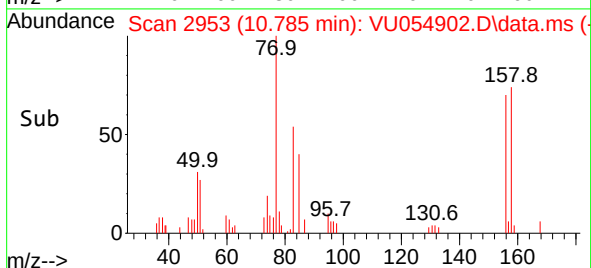
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

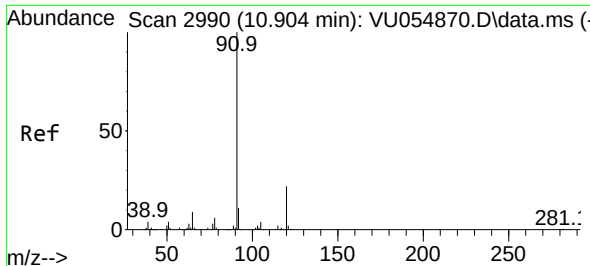


#72
Bromobenzene
Concen: 0.841 ug/l
RT: 10.785 min Scan# 2953
Delta R.T. 0.007 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



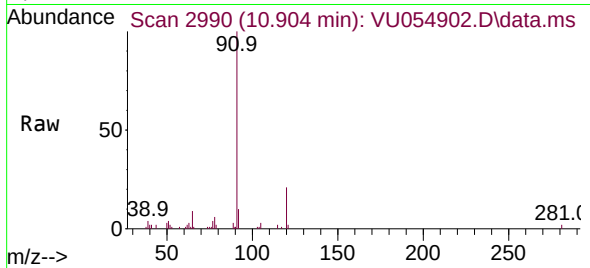
Tgt Ion:156 Resp: 5856
Ion Ratio Lower Upper
156 100
77 137.6 0.0 293.2
158 95.6 0.0 189.8





#73
n-propylbenzene
Concen: 0.727 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

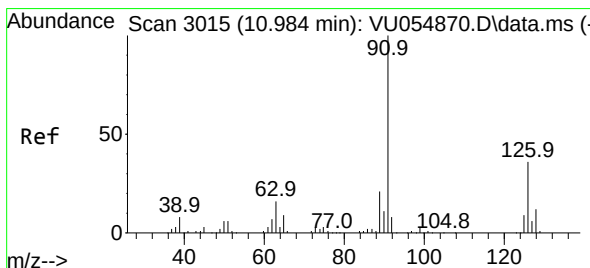
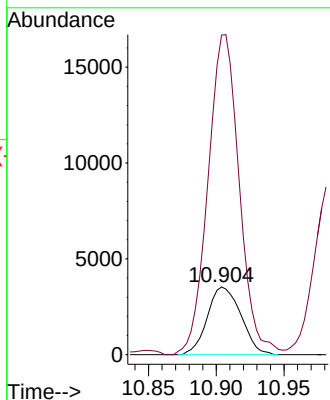
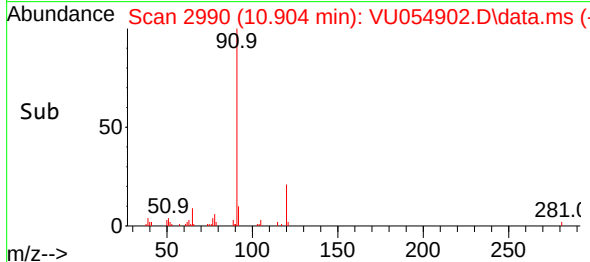
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:120 Resp: 6084
Ion Ratio Lower Upper
120 100
91 441.6 361.8 542.6

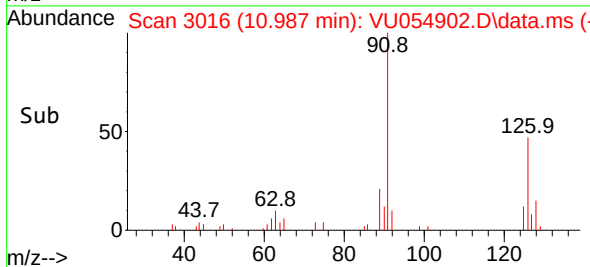
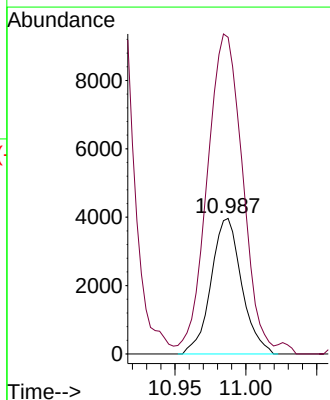
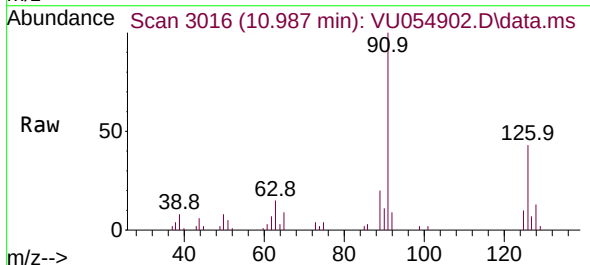
Manual Integrations
APPROVED

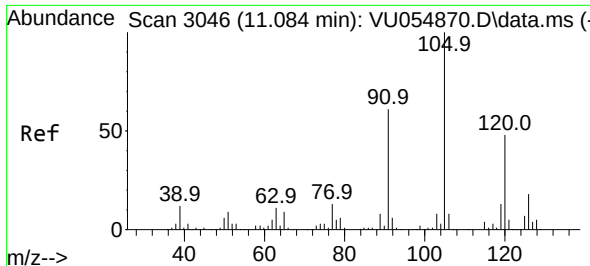
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#74
2-Chlorotoluene
Concen: 0.823 ug/l
RT: 10.987 min Scan# 3016
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

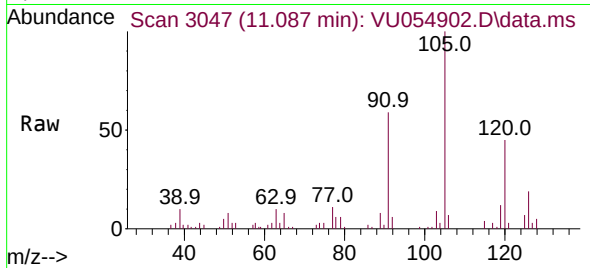
Tgt Ion:126 Resp: 5961
Ion Ratio Lower Upper
126 100
91 259.8 0.0 561.4





#75
1,3,5-Trimethylbenzene
Concen: 0.761 ug/l
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

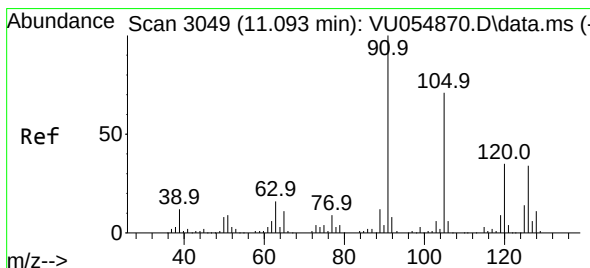
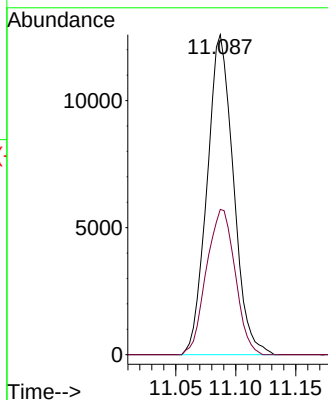
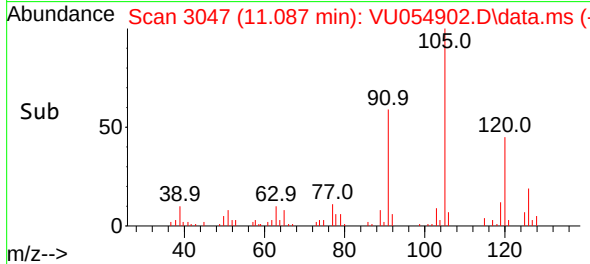
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:105 Resp: 19258
Ion Ratio Lower Upper
105 100
120 49.3 39.0 58.4

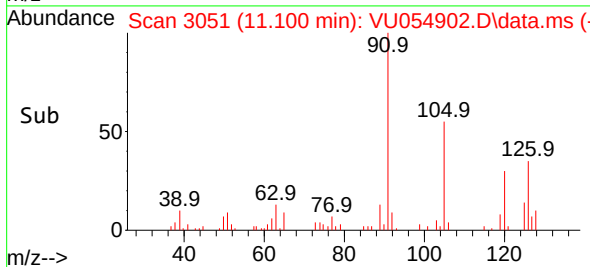
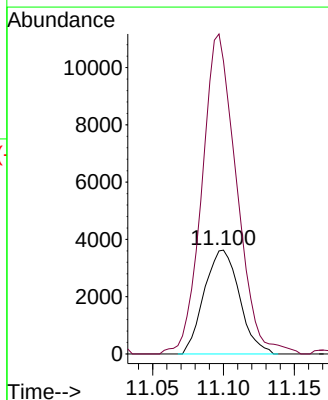
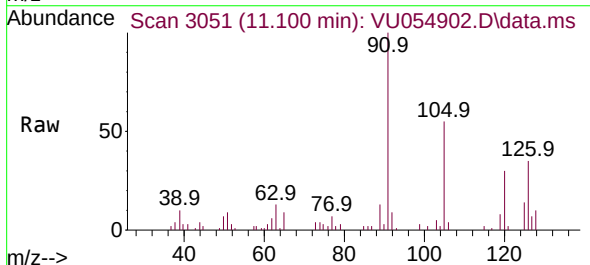
Manual Integrations
APPROVED

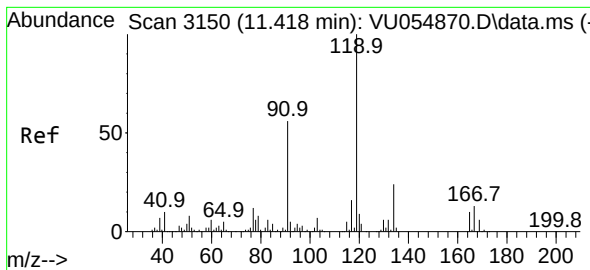
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023



#76
4-Chlorotoluene
Concen: 0.835 ug/l
RT: 11.100 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

Tgt Ion:126 Resp: 6282
Ion Ratio Lower Upper
126 100
91 302.0 0.0 623.4





#77

tert-Butylbenzene

Concen: 0.750 ug/l

RT: 11.418 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-03-QT3-2023

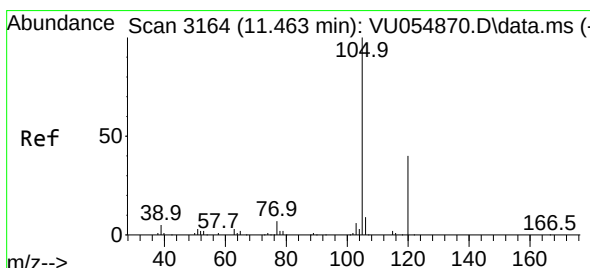
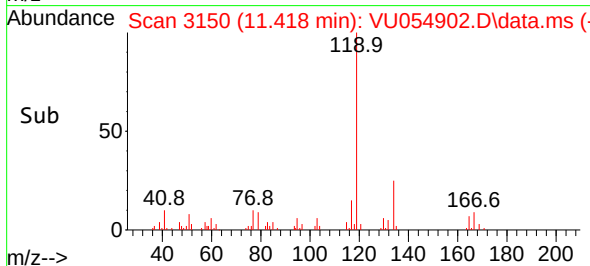
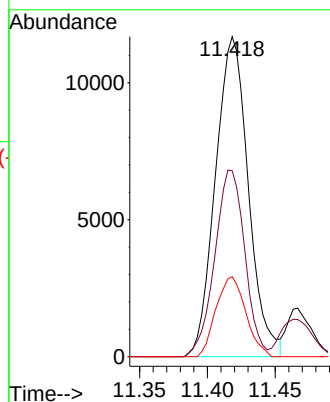
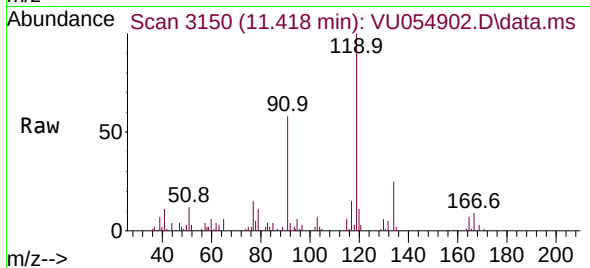
Tgt Ion:	119	Resp:	19734
Ion	Ratio	Lower	Upper
119	100		
91	53.3	27.7	83.1
134	22.6	18.6	27.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/28/2023

Supervised By :Mahesh Dadoda 07/31/2023



#78

1,2,4-Trimethylbenzene

Concen: 0.745 ug/l

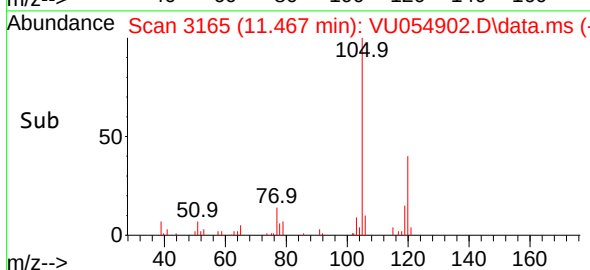
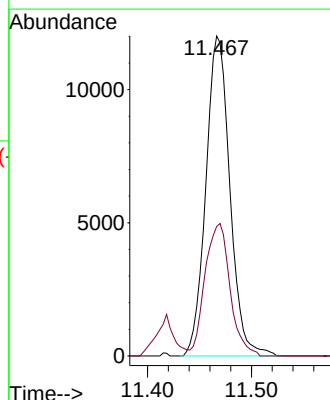
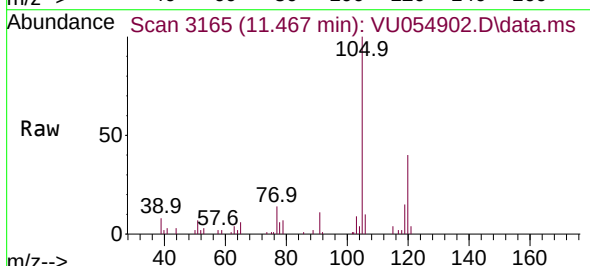
RT: 11.467 min Scan# 3165

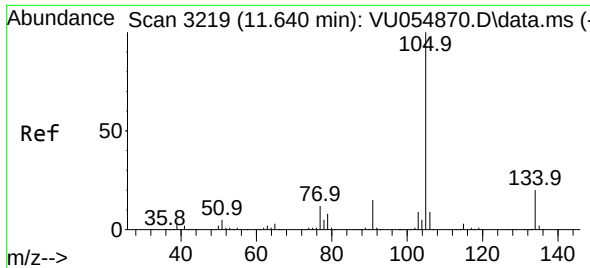
Delta R.T. 0.003 min

Lab File: VU054902.D

Acq: 27 Jul 2023 18:32

Tgt Ion:	105	Resp:	19305
Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.4	67.3





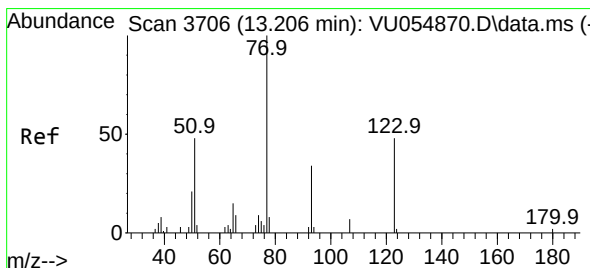
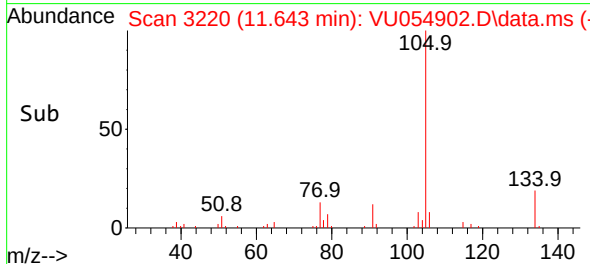
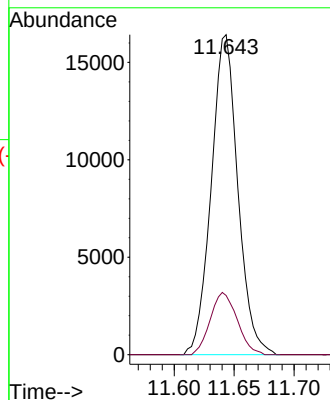
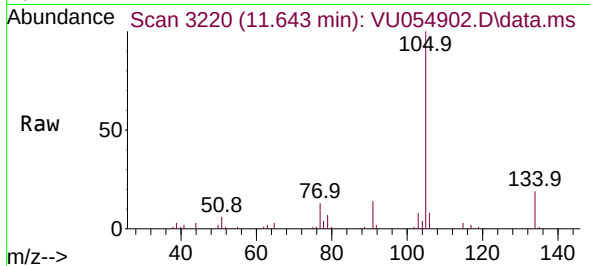
#79
 sec-Butylbenzene
 Concen: 0.740 ug/l
 RT: 11.643 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU054902.D
 Acq: 27 Jul 2023 18:32

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

Tgt Ion:105 Resp: 2533
 Ion Ratio Lower Upper
 105 100
 134 19.7 15.7 23.5

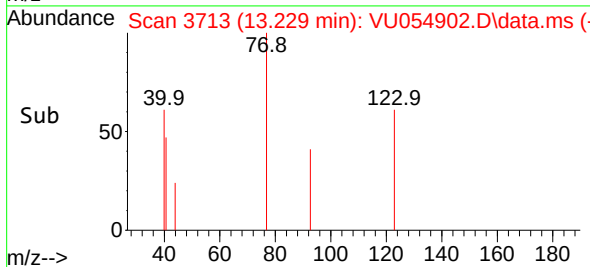
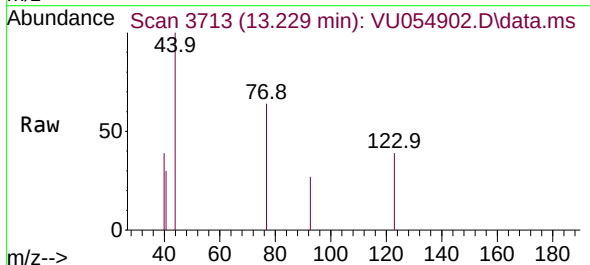
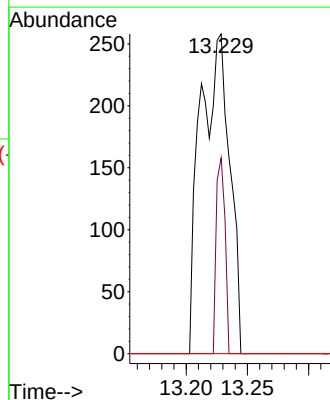
Manual Integrations
 APPROVED

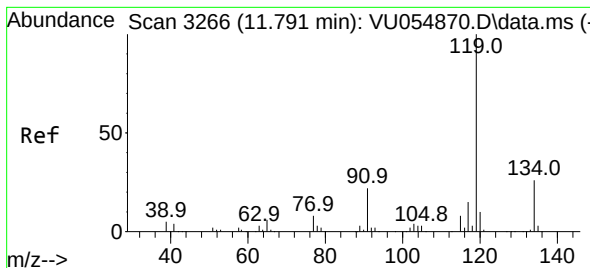
Reviewed By :John Carlone 07/28/2023
 Supervised By :Mahesh Dadoda 07/31/2023



#80
 Nitrobenzene
 Concen: 2.664 ug/l m
 RT: 13.229 min Scan# 3713
 Delta R.T. 0.023 min
 Lab File: VU054902.D
 Acq: 27 Jul 2023 18:32

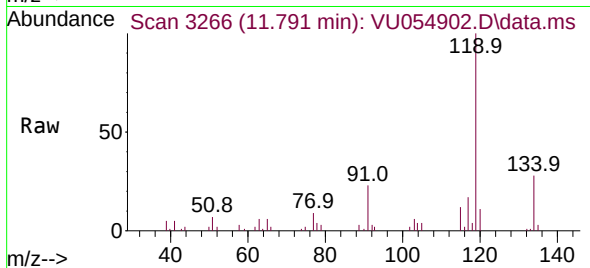
Tgt Ion: 77 Resp: 426
 Ion Ratio Lower Upper
 77 100
 123 0.0 20.2 71.8#
 65 0.0 11.7 14.9#





#81
p-Isopropyltoluene
Concen: 0.670 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

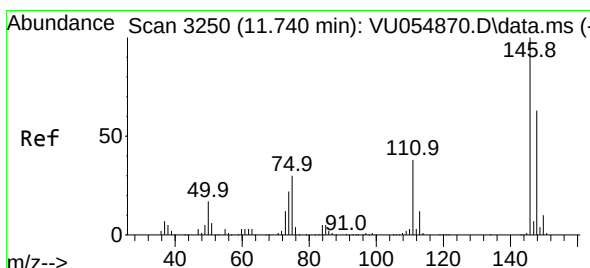
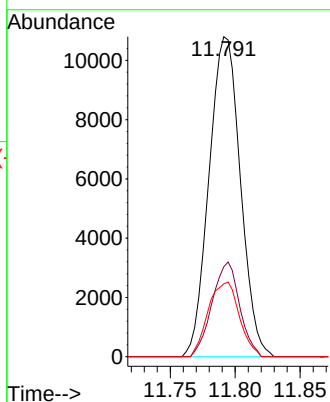
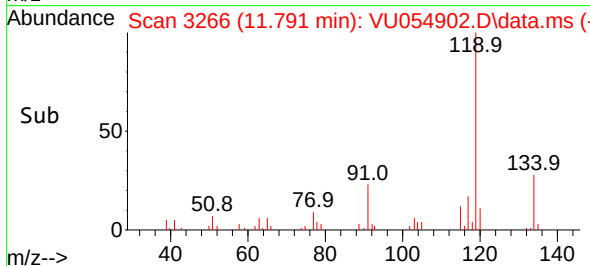
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-03-QT3-2023



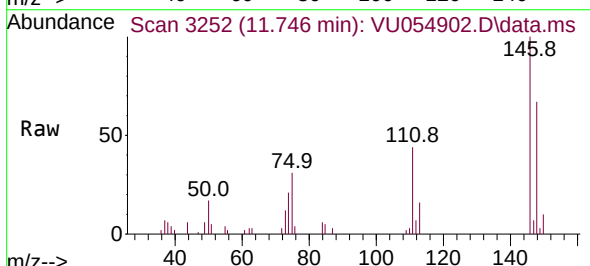
Tgt Ion:119 Resp: 1810
Ion Ratio Lower Upper
119 100
134 26.0 20.6 31.0
91 23.0 18.2 27.4

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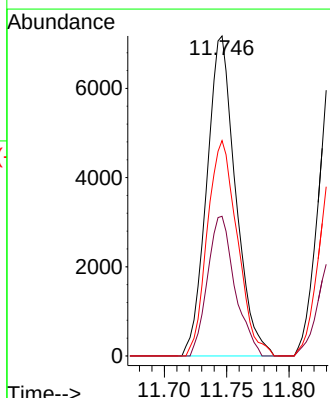
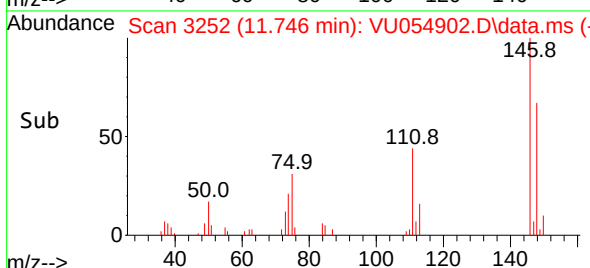
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

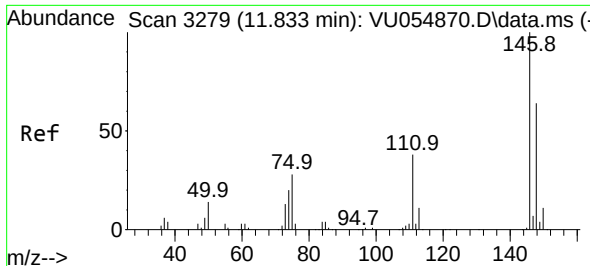


#82
1,3-Dichlorobenzene
Concen: 0.781 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.006 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



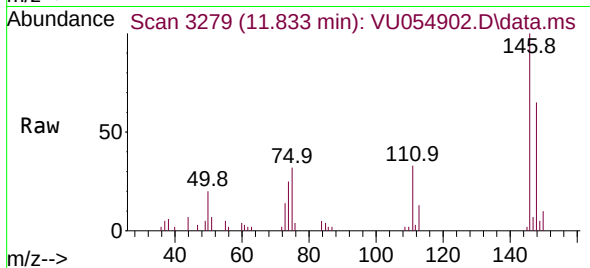
Tgt Ion:146 Resp: 11572
Ion Ratio Lower Upper
146 100
111 41.4 30.5 45.7
148 70.1 51.0 76.6





#83
1,4-Dichlorobenzene
Concen: 0.785 ug/l
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

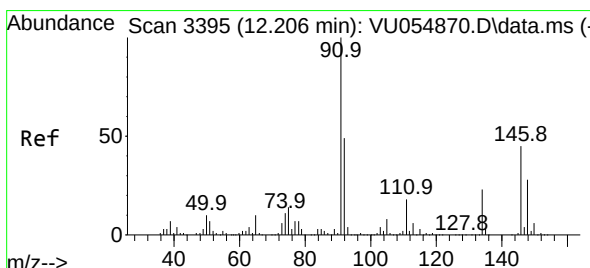
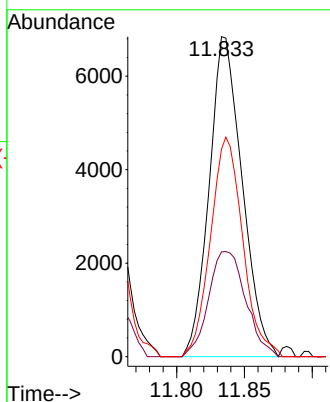
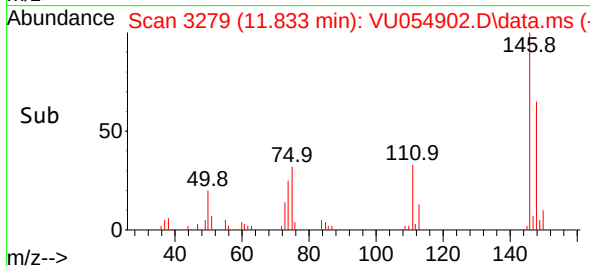
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



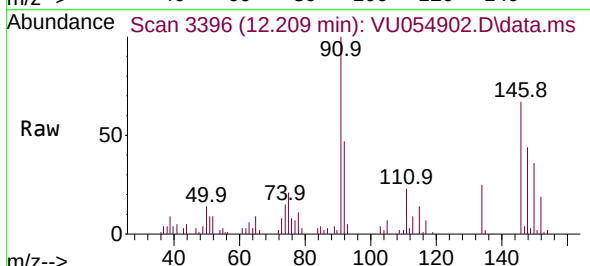
Tgt Ion:146 Resp: 11592
Ion Ratio Lower Upper
146 100
111 37.0 29.5 44.3
148 67.0 51.2 76.8

Manual Integrations
APPROVED

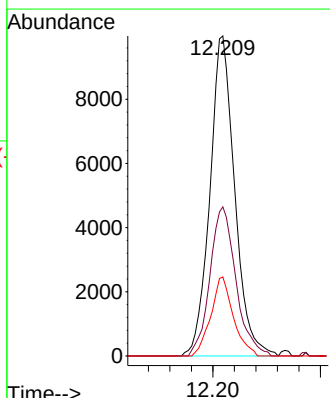
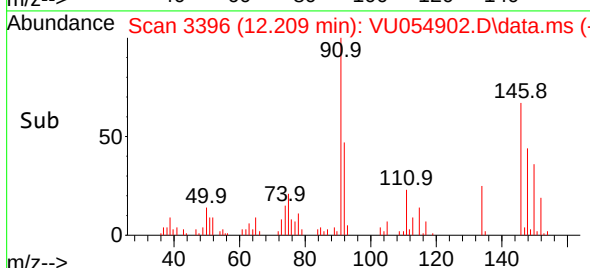
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

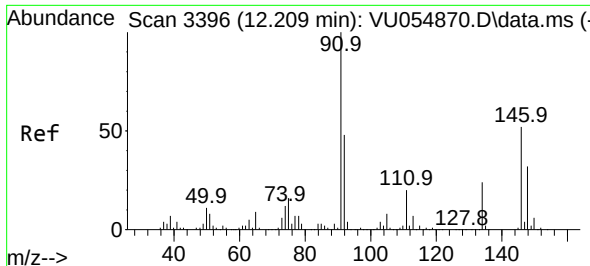


#84
n-Butylbenzene
Concen: 0.659 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



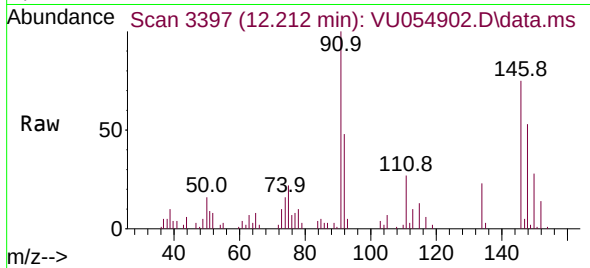
Tgt Ion: 91 Resp: 15980
Ion Ratio Lower Upper
91 100
92 48.7 39.8 59.8
134 22.4 20.2 30.4





#85
1,2-Dichlorobenzene
Concen: 0.827 ug/l
RT: 12.212 min Scan# 3397
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

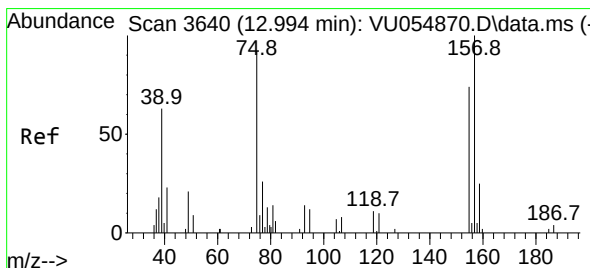
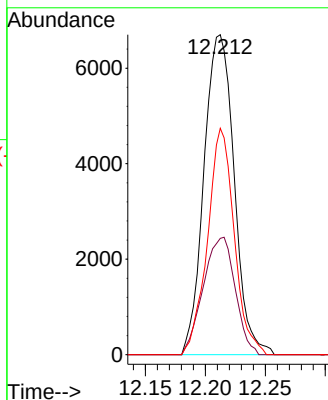
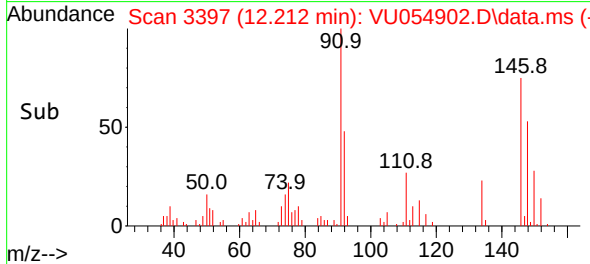
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



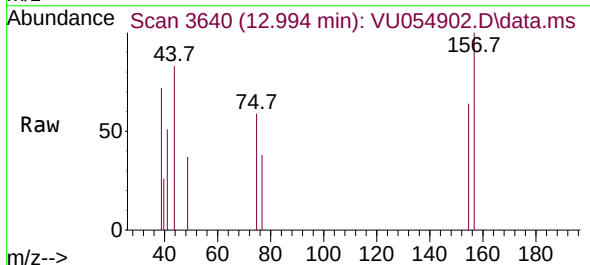
Tgt Ion:146 Resp: 1174
Ion Ratio Lower Upper
146 100
111 38.7 19.8 59.4
148 62.6 31.8 95.3

Manual Integrations
APPROVED

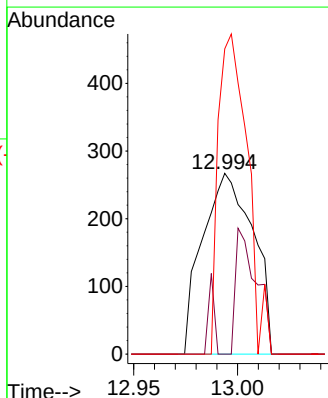
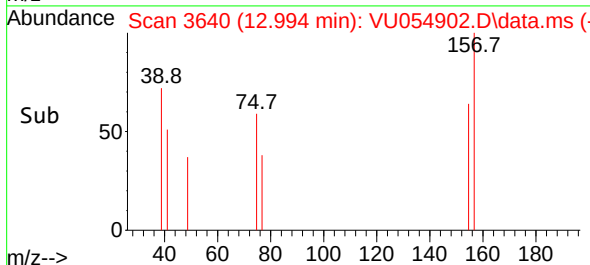
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

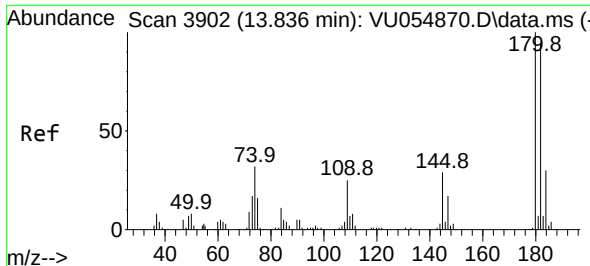


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.560 ug/l
RT: 12.994 min Scan# 3640
Delta R.T. 0.000 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



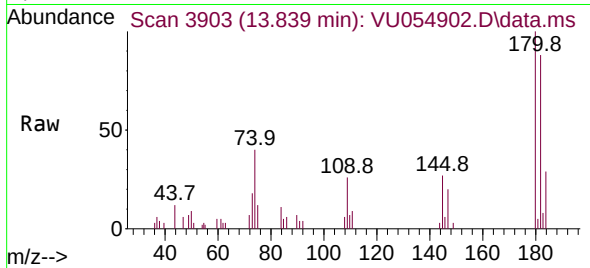
Tgt Ion: 75 Resp: 453
Ion Ratio Lower Upper
75 100
155 28.5 74.8 112.2#
157 101.3 97.4 146.0





#87
1,2,4-Trichlorobenzene
Concen: 0.757 ug/l
RT: 13.839 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

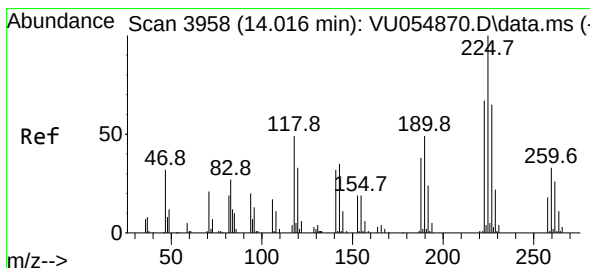
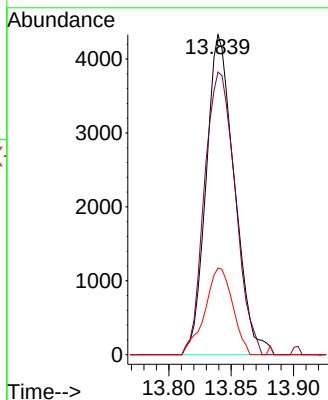
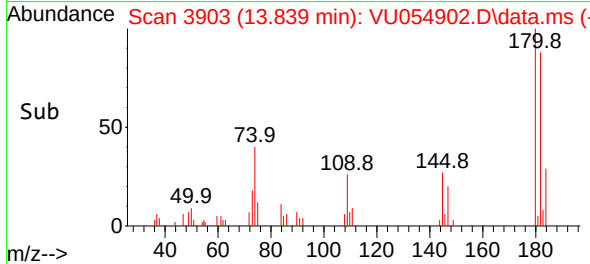
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



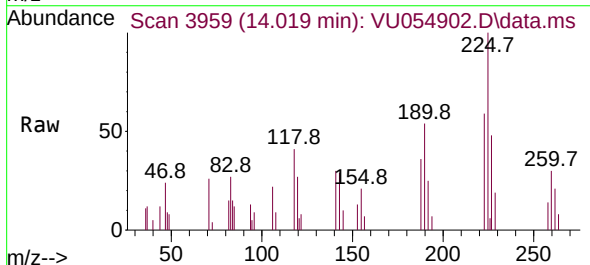
Tgt Ion:180 Resp: 6854
Ion Ratio Lower Upper
180 100
182 95.9 77.0 115.6
145 26.4 23.4 35.0

Manual Integrations
APPROVED

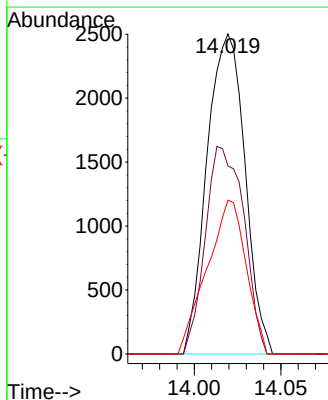
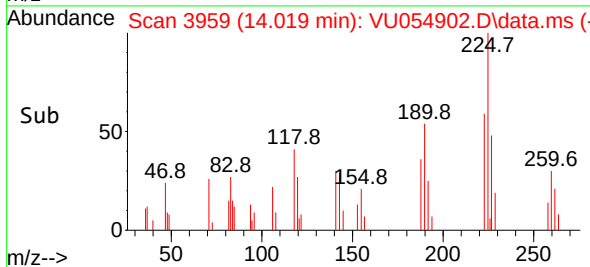
Reviewed By :John Carlone 07/28/2023
Supervised By :Mahesh Dadoda 07/31/2023

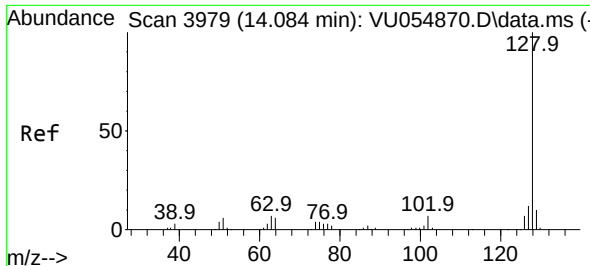


#88
Hexachlorobutadiene
Concen: 0.790 ug/l
RT: 14.019 min Scan# 3959
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



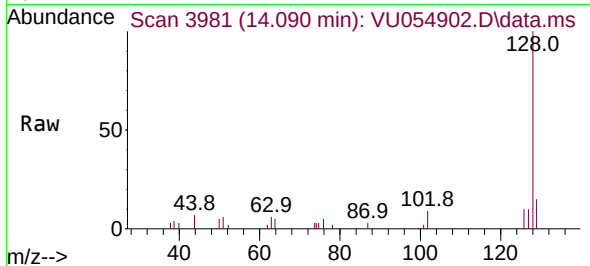
Tgt Ion:225 Resp: 3818
Ion Ratio Lower Upper
225 100
223 65.6 50.6 76.0
227 49.6 50.7 76.1#





#89
Naphthalene
Concen: 0.697 ug/l
RT: 14.090 min Scan# 3981
Delta R.T. 0.007 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32

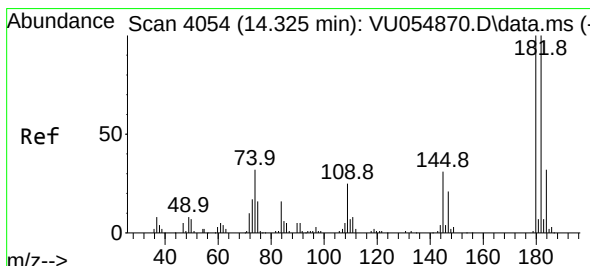
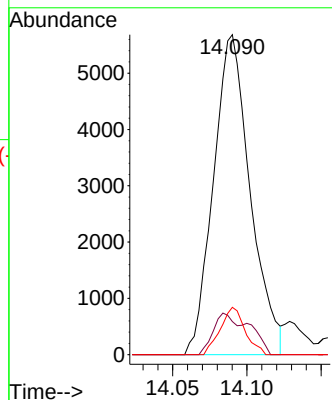
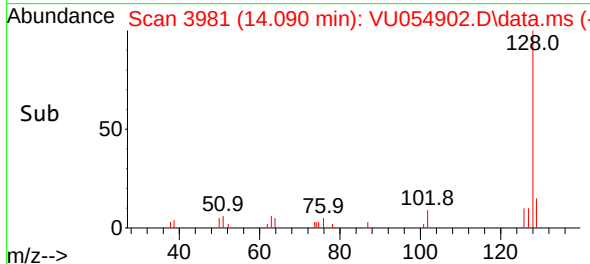
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-03-QT3-2023



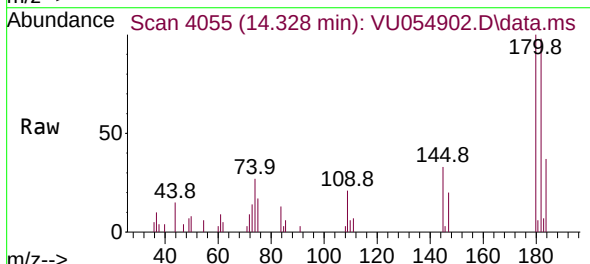
Tgt Ion:128 Resp: 978
Ion Ratio Lower Upper
128 100
127 12.7 10.6 15.8
129 10.0 8.7 13.1

Manual Integrations
APPROVED

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



#90
1,2,3-Trichlorobenzene
Concen: 0.758 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU054902.D
Acq: 27 Jul 2023 18:32



Tgt Ion:180 Resp: 6095
Ion Ratio Lower Upper
180 100
182 96.2 76.0 114.0
145 31.0 24.3 36.5

