

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055802.D
 Acq On : 18 Oct 2023 16:42
 Operator : MD/SY
 Sample : 04699-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Quant Time: Oct 19 04:19:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 04:18:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/19/2023
 Supervised By : Mahesh Dadoda 10/24/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	97770	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	35813	0.929	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	34364	0.961	ug/l	0.00
Spiked Amount 1.000			Recovery	=	96.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	28654	0.755	ug/l	98
3) Chloromethane	1.518	50	27725	0.854	ug/l	99
4) Vinyl Chloride	1.602	62	26842	0.807	ug/l	99
5) Bromomethane	1.856	94	17530	0.958	ug/l	96
6) Chloroethane	1.933	64	13680	0.849	ug/l	99
7) Trichlorofluoromethane	2.136	101	33327	0.760	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.576	101	20961	0.717	ug/l	91
9) 1,1-Dichloroethene	2.576	96	20898	0.766	ug/l	96
10) Iodomethane	2.721	142	29580	0.728	ug/l	97
11) Allyl Chloride	2.920	41	29821	0.841	ug/l	99
12) Acrylonitrile	3.335	53	9185m	1.792	ug/l	
13) Acetone	2.644	43	43015	3.935	ug/l	96
14) Carbon Disulfide	2.792	76	73681	0.828	ug/l	99
15) Methylene Chloride	3.042	84	30653	0.953	ug/l	94
16) trans-1,2-Dichloroethene	3.351	96	25660	0.888	ug/l	87
17) 1,1-Dichloroethane	3.866	63	44548	0.829	ug/l	96
18) 2-Butanone	4.721	43	41160	3.495	ug/l	99
19) Cyclohexane	5.386	56	34007m	0.742	ug/l	
20) Methylcyclohexane	6.756	83	33931	0.712	ug/l	96
21) 2,2-Dichloropropane	4.660	77	36956	0.816	ug/l	96
22) cis-1,2-Dichloroethene	4.666	96	24837	0.806	ug/l	96
23) Diethyl Ether	2.374	59	12704	0.779	ug/l	92
24) tert-Butyl Alcohol	3.206	59	16817m	10.058	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	49081	0.836	ug/l	98
26) Bromochloromethane	4.972	128	11449	0.877	ug/l	93
27) Chloroform	5.084	83	46861	0.850	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	40013	0.809	ug/l	97
29) 1,1-Dichloropropene	5.521	75	31017	0.792	ug/l	96
30) Carbon Tetrachloride	5.521	117	34349	0.796	ug/l	97
31) Isopropyl Ether	3.988	45	59506	0.824	ug/l	95
32) Ethyl-t-butyl ether	4.499	59	56078	0.804	ug/l	97
33) Tert-Amyl methyl ether	5.936	73	47418	0.794	ug/l	96
34) Propionitrile	4.804	54	9344m	5.015	ug/l	
35) Benzene	5.772	78	98072	0.827	ug/l	100
36) 1,2-Dichloroethane	5.791	62	28587	0.888	ug/l	# 88
37) Trichloroethene	6.541	130	25782	0.836	ug/l	96
38) 1,2-Dichloropropane	6.788	63	26546	0.857	ug/l	98
39) Methacrylonitrile	4.988	41	6030	0.868	ug/l	92
40) Methyl acrylate	4.862	55	8292	0.741	ug/l	# 77
41) Tetrahydrofuran	5.068	42	7110	1.806	ug/l	# 47
42) 1-Chlorobutane	5.457	56	43139	0.826	ug/l	95
43) Dibromomethane	6.914	93	12261	0.833	ug/l	99
44) Bromodichloromethane	7.100	83	31771	0.817	ug/l	97

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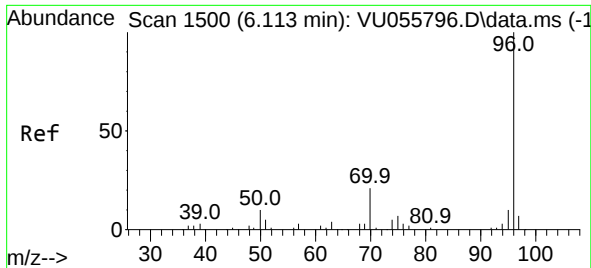
Quant Time: Oct 19 04:19:30 2023
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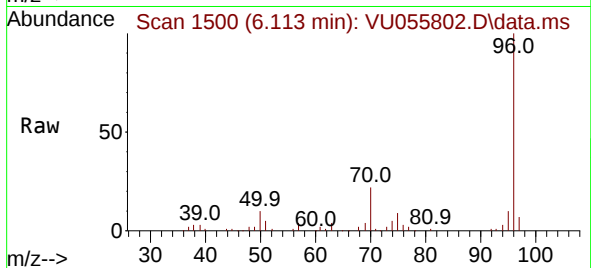
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.788	43	62002	4.072	ug/l	99
46) t-1,4-Dichloro-2-butene	10.830	75	8771m	1.448	ug/l	
47) Methyl methacrylate	6.962	69	19205	1.581	ug/l	92
48) Ethyl methacrylate	8.335	69	17890	0.776	ug/l	100
49) Toluene	7.968	92	55580	0.792	ug/l	98
50) t-1,3-Dichloropropene	8.209	75	27766	0.806	ug/l	99
51) cis-1,3-Dichloropropene	7.608	75	35169	0.835	ug/l	96
52) 1,1,2-Trichloroethane	8.396	97	17096	0.813	ug/l	95
53) 1,3-Dichloropropane	8.573	76	29473	0.820	ug/l	99
54) 2-Hexanone	8.685	43	62221	3.648	ug/l	99
55) Dibromochloromethane	8.804	129	20595	0.811	ug/l	97
56) 1,2-Dibromoethane	8.923	107	16271	0.847	ug/l	98
58) Tetrachloroethene	8.547	164	26727	0.833	ug/l	97
59) Chlorobenzene	9.447	112	64001	0.825	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.528	131	22866	0.828	ug/l	95
61) Pentachloroethane	11.421	117	14592	0.780	ug/l	93
62) Hexachloroethane	12.470	117	13008	0.657	ug/l	94
63) Ethyl Benzene	9.569	91	103057	0.783	ug/l	98
64) m/p-Xylenes	9.692	106	75747	1.498	ug/l	99
65) o-Xylene	10.097	106	38250	0.771	ug/l	97
66) Styrene	10.113	104	59242	0.763	ug/l	97
67) Bromoform	10.290	173	10614	0.779	ug/l	98
69) Isopropylbenzene	10.483	105	95578	0.748	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	21219	0.863	ug/l	97
71) 1,2,3-Trichloropropane	10.820	75	16849m	0.827	ug/l	
72) Bromobenzene	10.782	156	24189	0.793	ug/l	92
73) n-propylbenzene	10.904	120	22609	0.687	ug/l	100
74) 2-Chlorotoluene	10.984	126	23840	0.778	ug/l	98
75) 1,3,5-Trimethylbenzene	11.087	105	79156	0.725	ug/l	99
76) 4-Chlorotoluene	11.097	126	24115	0.773	ug/l	94
77) tert-Butylbenzene	11.418	119	73599	0.735	ug/l	100
78) 1,2,4-Trimethylbenzene	11.467	105	77607	0.718	ug/l	99
79) sec-Butylbenzene	11.640	105	89724	0.710	ug/l	100
80) Nitrobenzene	13.219	77	3068m	4.717	ug/l	
81) p-Isopropyltoluene	11.791	119	70564	0.693	ug/l	96
82) 1,3-Dichlorobenzene	11.743	146	50670	0.814	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	49222	0.817	ug/l	99
84) n-Butylbenzene	12.206	91	68613	0.791	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	47942	0.843	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	3148	0.897	ug/l	88
87) 1,2,4-Trichlorobenzene	13.839	180	26718	0.866	ug/l	93
88) Hexachlorobutadiene	14.016	225	15789	0.736	ug/l	96
89) Naphthalene	14.087	128	46629	1.039	ug/l	97
90) 1,2,3-Trichlorobenzene	14.328	180	24428	0.922	ug/l	98

(#) = 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
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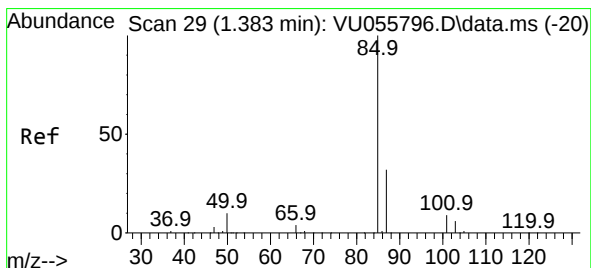
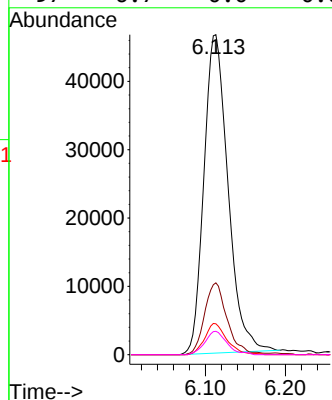
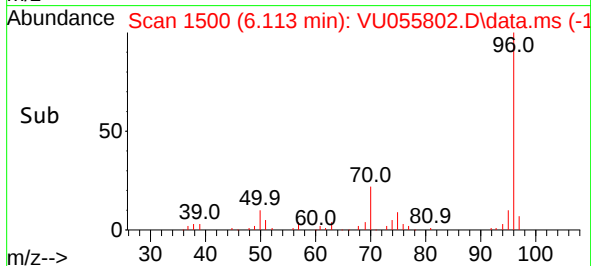
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 96 Resp: 97770
Ion Ratio Lower Upper
96 100
70 20.5 16.5 24.7
95 9.0 7.4 11.0
97 6.7 0.0 0.0#

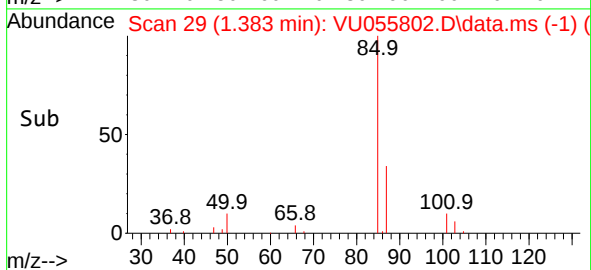
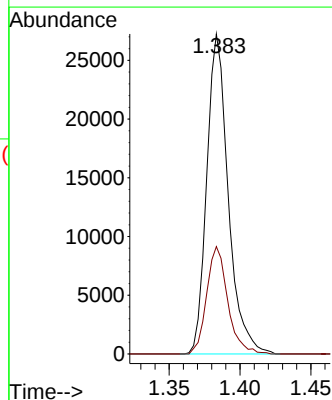
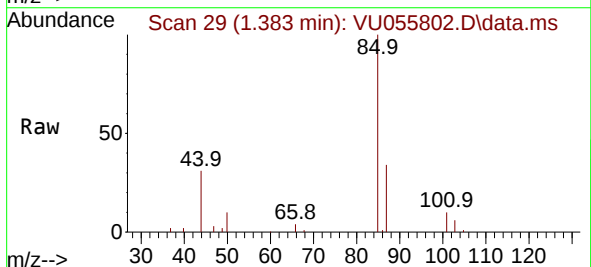
Manual Integrations
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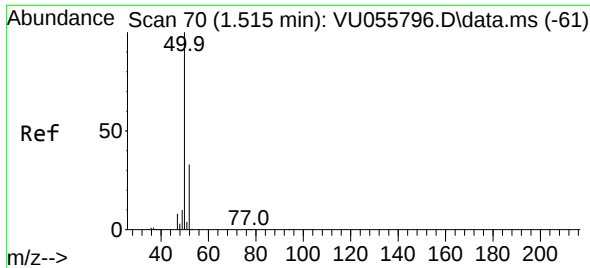
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#2
Dichlorodifluoromethane
Concen: 0.755 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

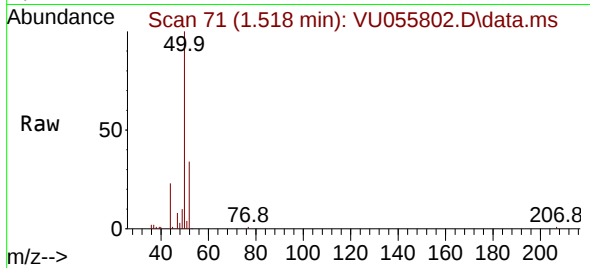
Tgt Ion: 85 Resp: 28654
Ion Ratio Lower Upper
85 100
87 33.6 16.2 48.6





#3
Chloromethane
Concen: 0.854 ug/l
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

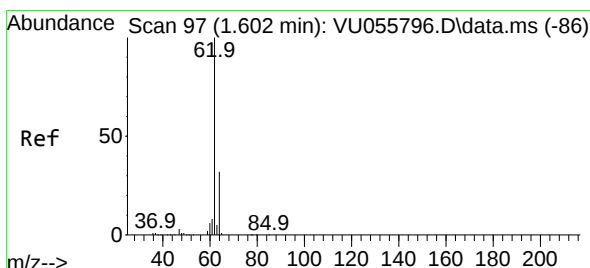
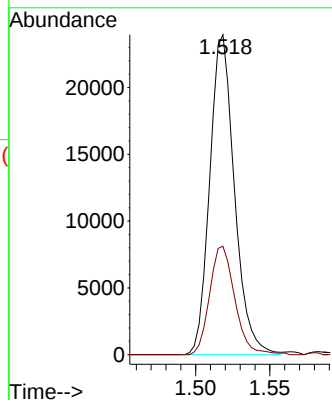
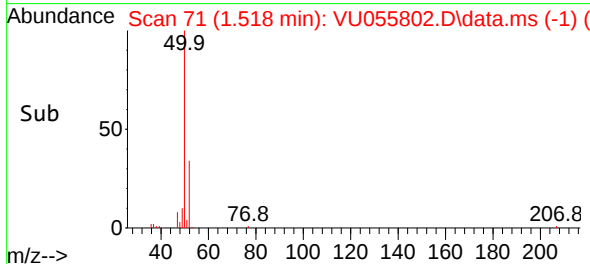
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 50 Resp: 2772
Ion Ratio Lower Upper
50 100
52 33.9 26.6 40.0

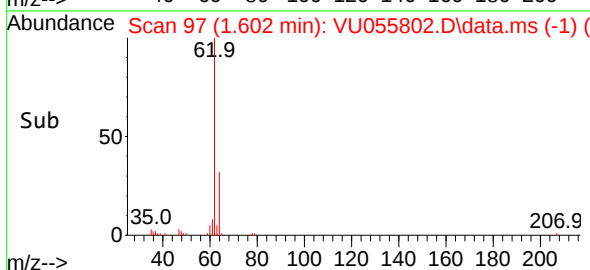
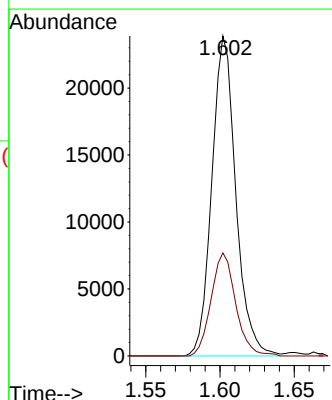
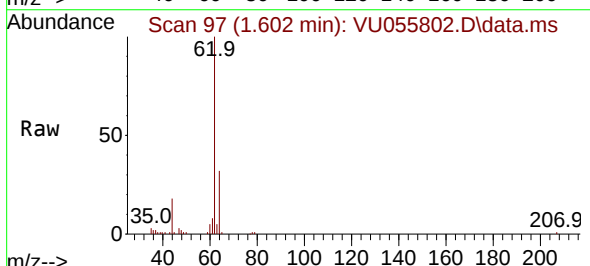
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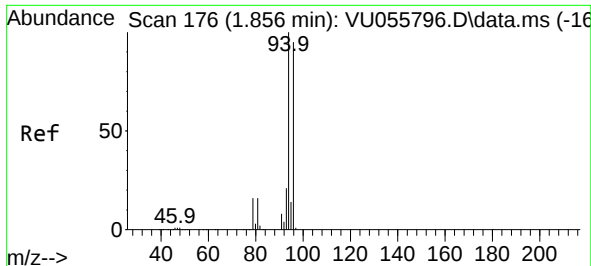
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#4
Vinyl Chloride
Concen: 0.807 ug/l
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

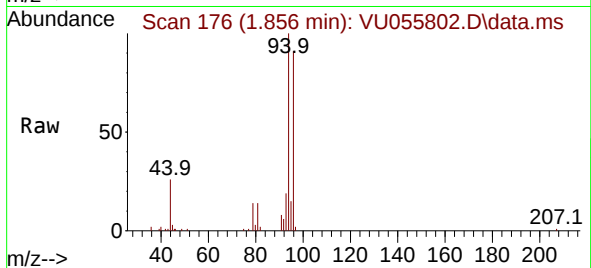
Tgt Ion: 62 Resp: 26842
Ion Ratio Lower Upper
62 100
64 32.2 25.4 38.2





#5
Bromomethane
Concen: 0.958 ug/l
RT: 1.856 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

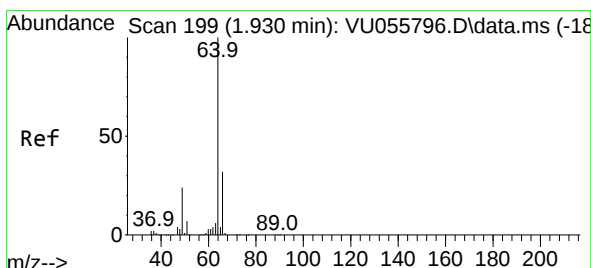
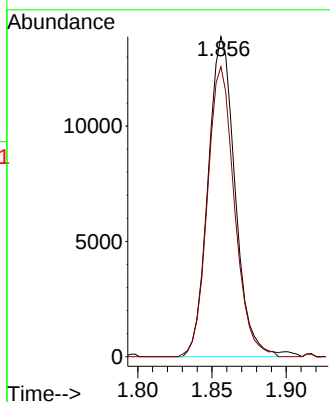
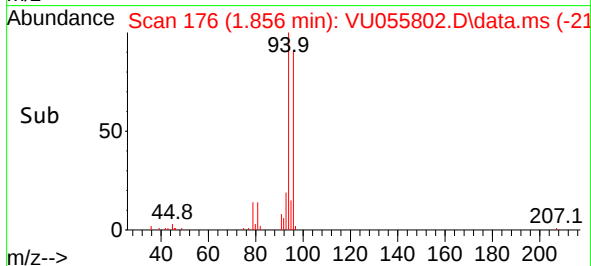
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 94 Resp: 17530
Ion Ratio Lower Upper
94 100
96 90.6 75.4 113.2

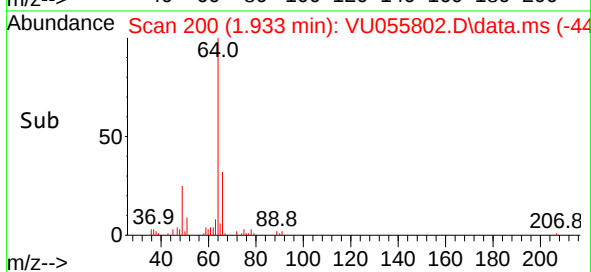
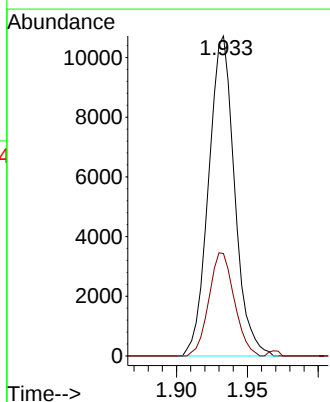
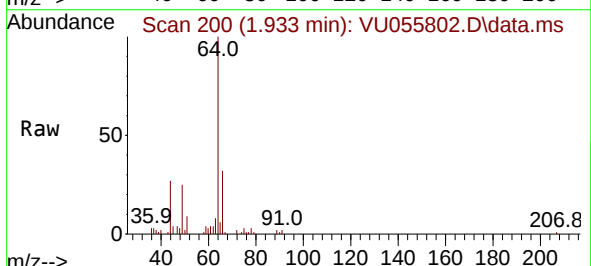
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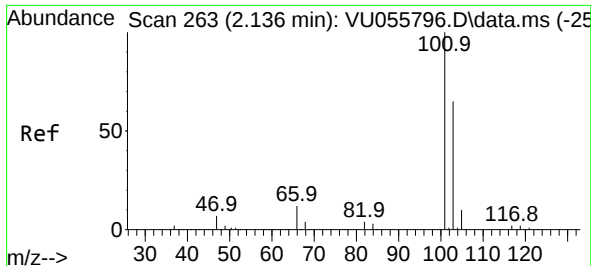
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#6
Chloroethane
Concen: 0.849 ug/l
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Tgt Ion: 64 Resp: 13680
Ion Ratio Lower Upper
64 100
66 32.0 26.0 39.0





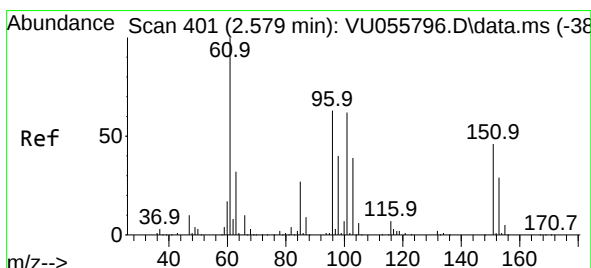
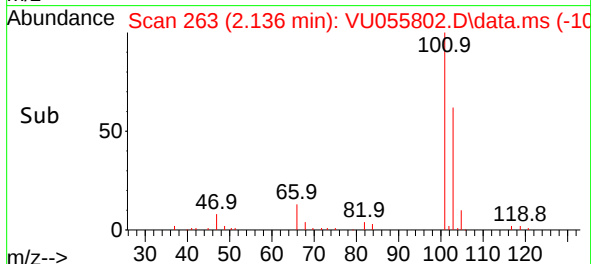
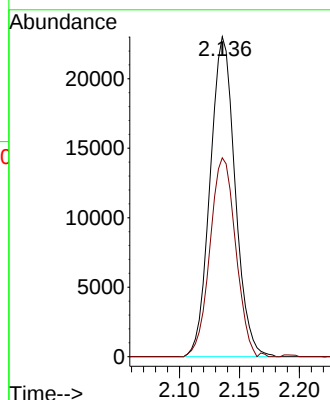
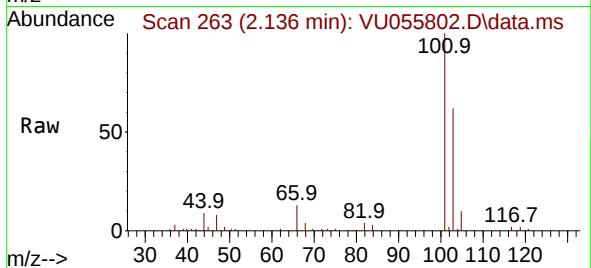
#7
Trichlorofluoromethane
Concen: 0.760 ug/l
RT: 2.136 min Scan# 20
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:101 Resp: 3332
Ion Ratio Lower Upper
101 100
103 62.1 51.4 77.0

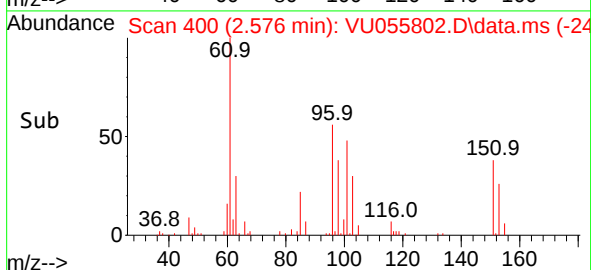
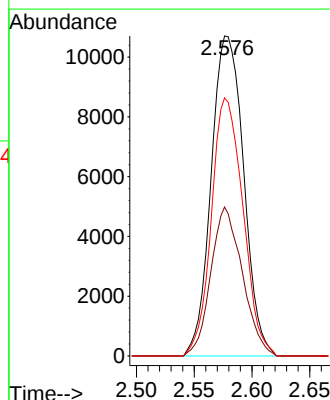
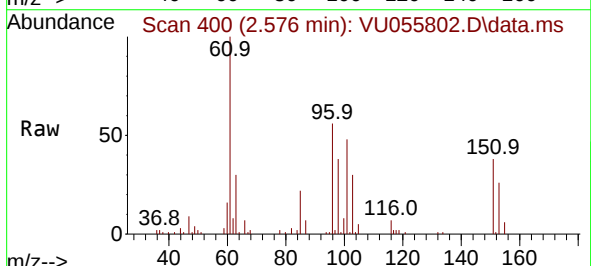
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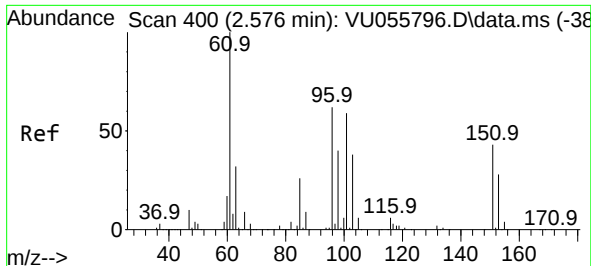
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.717 ug/l
RT: 2.576 min Scan# 400
Delta R.T. -0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

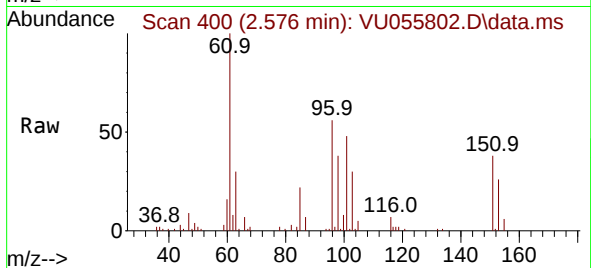
Tgt Ion:101 Resp: 20961
Ion Ratio Lower Upper
101 100
85 45.1 35.4 53.0
151 78.2 54.0 81.0





#9
1,1-Dichloroethene
Concen: 0.766 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

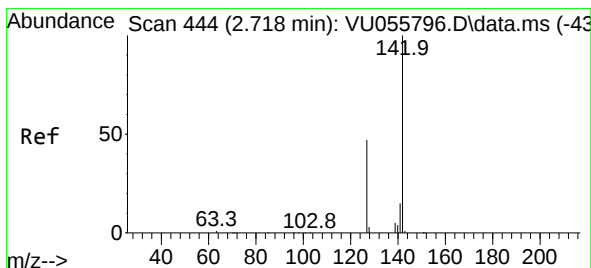
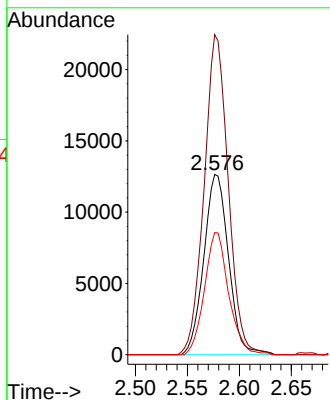
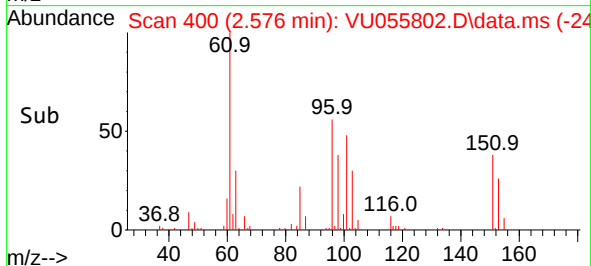
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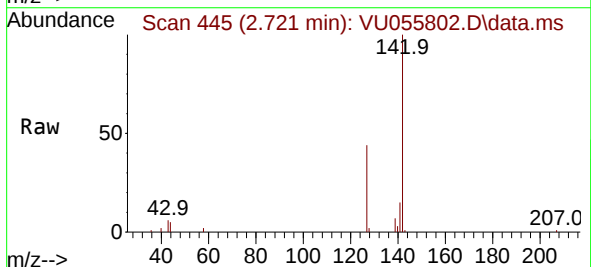
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Ion Ratio Lower Upper
96 100
61 177.6 0.0 521.4
98 67.7 0.0 125.8

Manual Integrations
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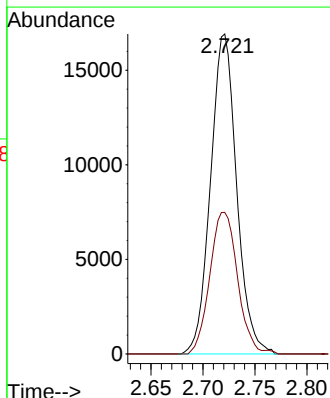
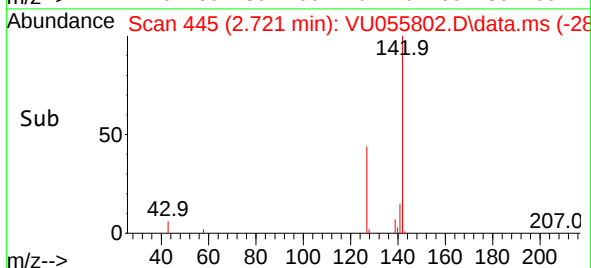
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

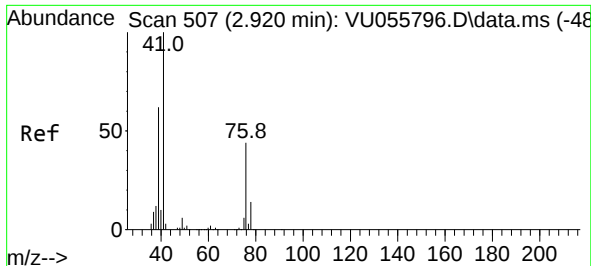


#10
Iodomethane
Concen: 0.728 ug/l
RT: 2.721 min Scan# 445
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



Tgt Ion:142 Resp: 29580
Ion Ratio Lower Upper
142 100
127 47.1 35.9 53.9





#11

Allyl Chloride

Concen: 0.841 ug/l

RT: 2.920 min Scan# 507

Delta R.T. 0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 41 Resp: 2982

Ion Ratio Lower Upper

41 100

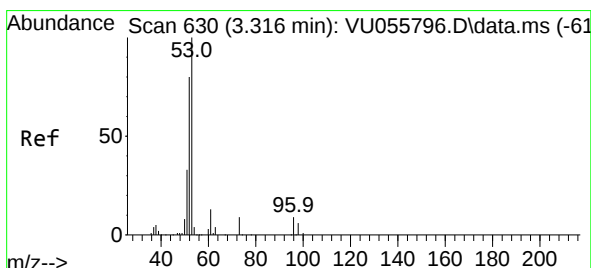
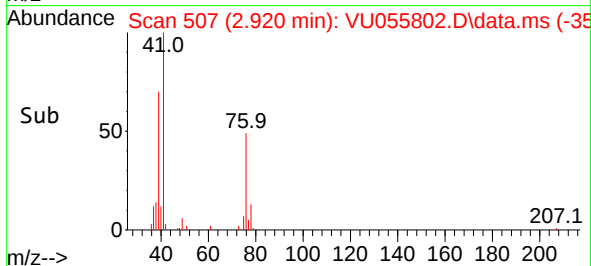
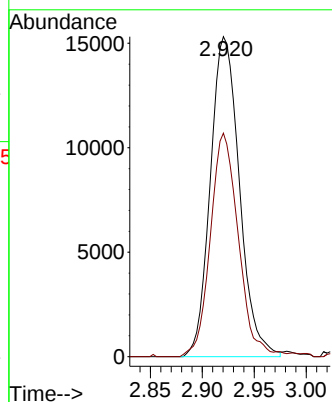
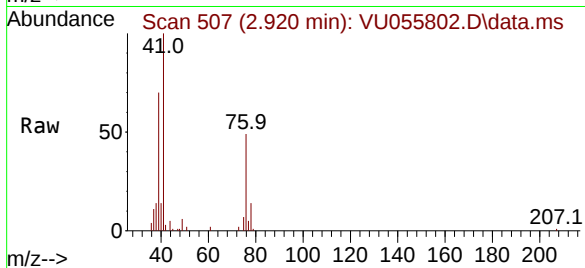
39 67.1 54.2 81.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#12

Acrylonitrile

Concen: 1.792 ug/l m

RT: 3.335 min Scan# 636

Delta R.T. 0.019 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

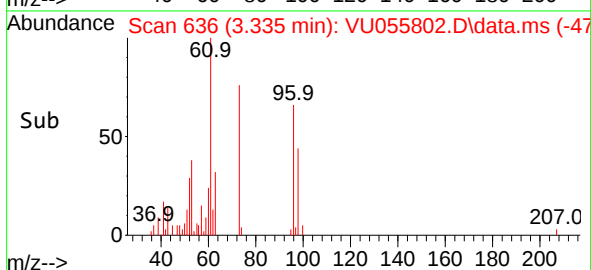
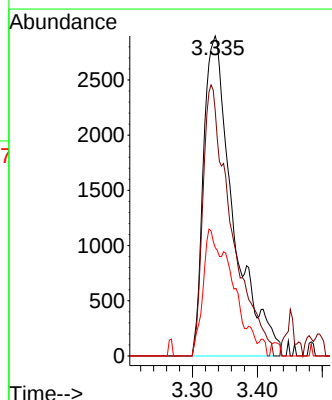
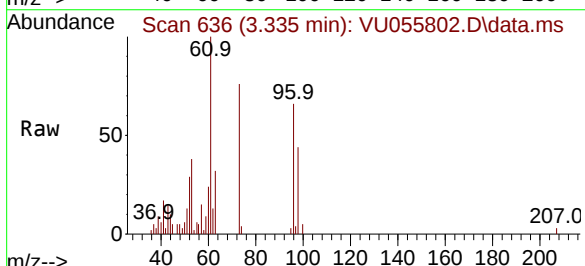
Tgt Ion: 53 Resp: 9185

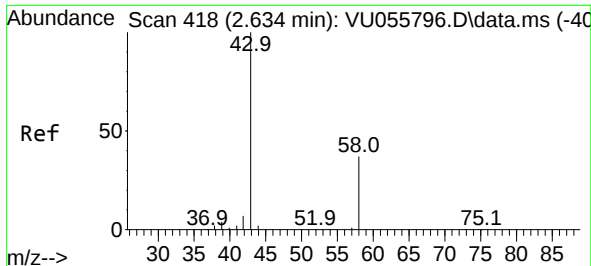
Ion Ratio Lower Upper

53 100

52 80.9 62.9 94.3

51 22.0 27.8 41.6#





#13

Acetone

Concen: 3.935 ug/l

RT: 2.644 min Scan# 418

Delta R.T. 0.010 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 43 Resp: 4301

Ion Ratio Lower Upper

43 100

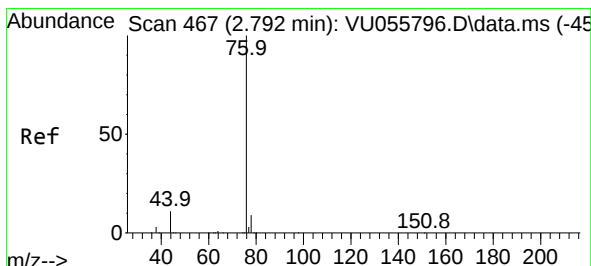
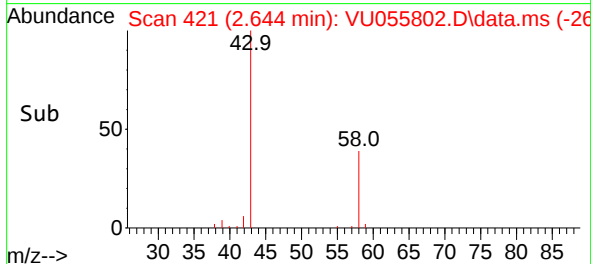
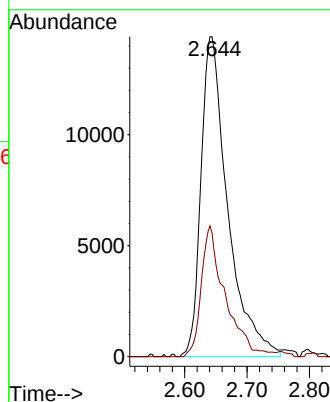
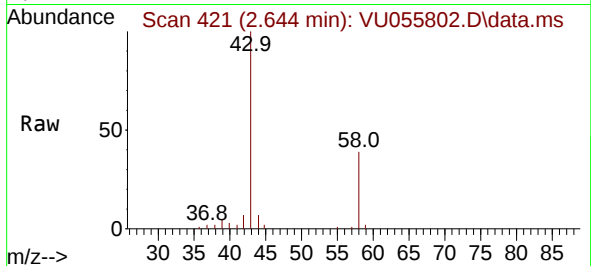
58 38.6 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#14

Carbon Disulfide

Concen: 0.828 ug/l

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055802.D

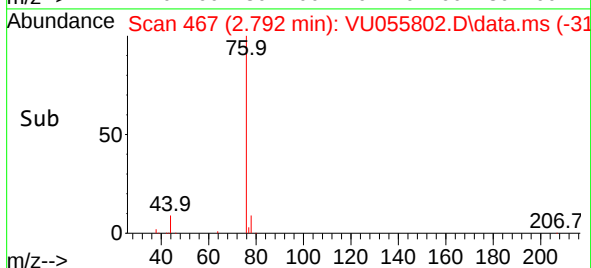
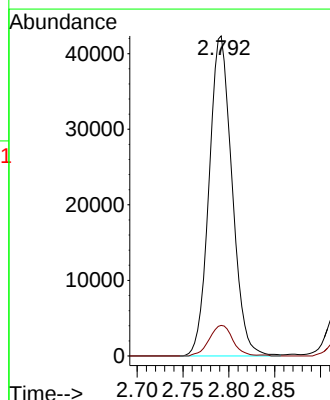
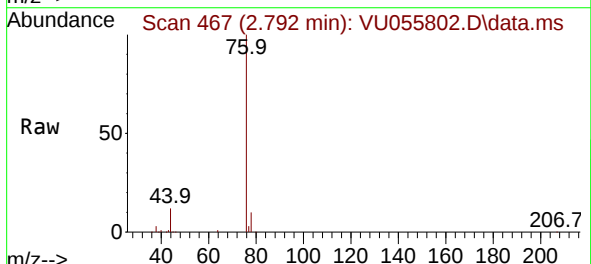
Acq: 18 Oct 2023 16:42

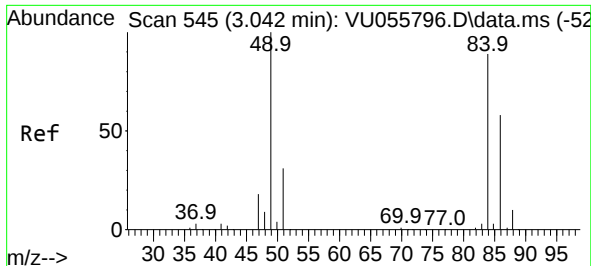
Tgt Ion: 76 Resp: 73681

Ion Ratio Lower Upper

76 100

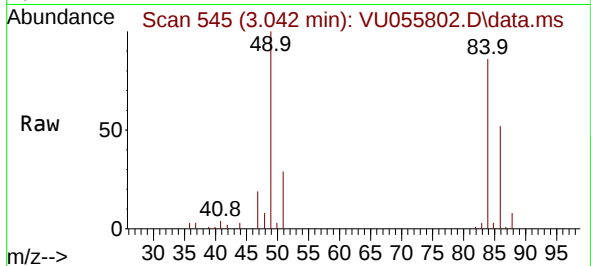
78 9.5 7.4 11.0





#15
Methylene Chloride
Concen: 0.953 ug/l
RT: 3.042 min Scan# 545
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

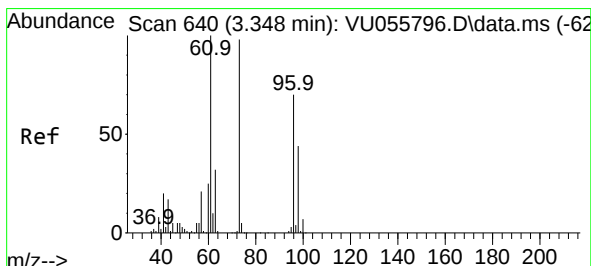
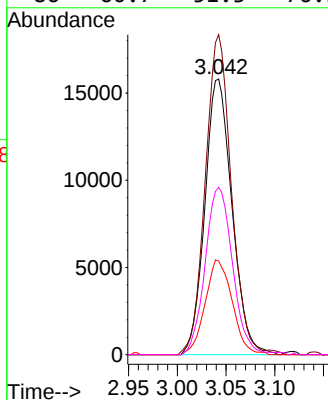
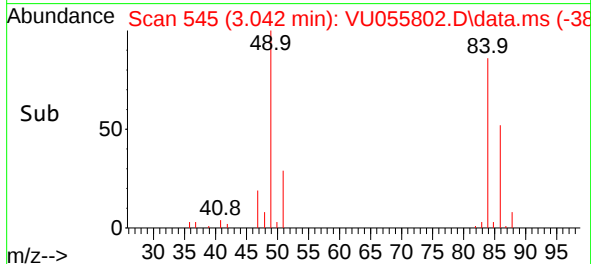
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



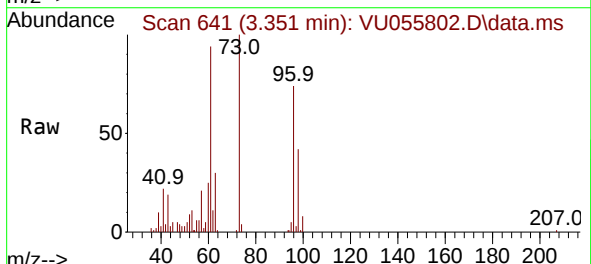
Tgt Ion:	84	Resp:	3065
Ion	Ratio	Lower	Upper
84	100		
49	116.1	98.9	148.3
51	33.9	0.0	75.4
86	60.7	51.3	76.9

Manual Integrations
APPROVED

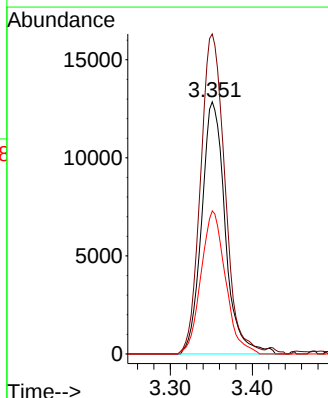
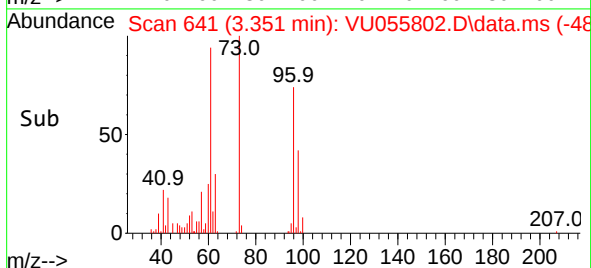
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

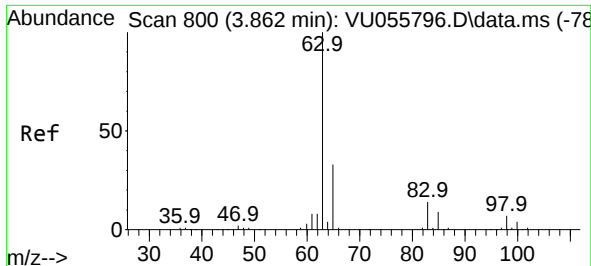


#16
trans-1,2-Dichloroethene
Concen: 0.888 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



Tgt Ion:	96	Resp:	25660
Ion	Ratio	Lower	Upper
96	100		
61	126.9	117.5	176.3
98	56.7	48.3	72.5





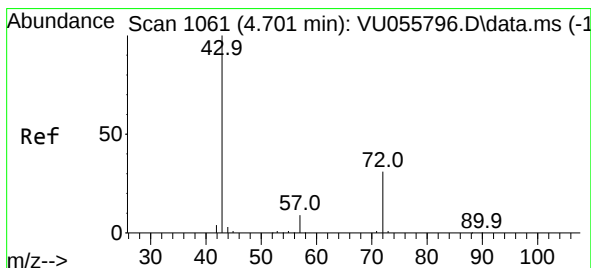
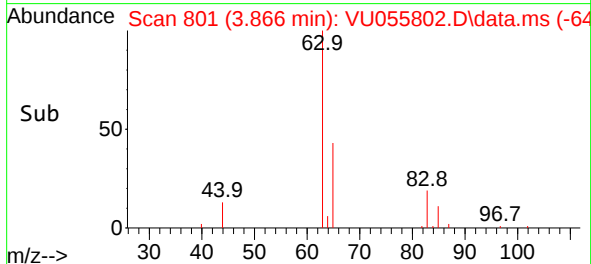
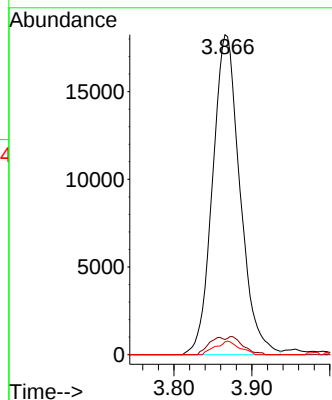
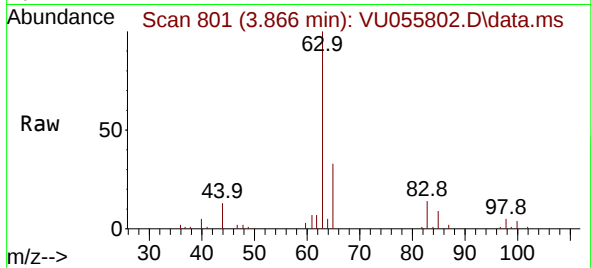
#17
1,1-Dichloroethane
Concen: 0.829 ug/l
RT: 3.866 min Scan# 800
Delta R.T. 0.004 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion: 63 Resp: 4454
Ion Ratio Lower Upper
63 100
98 4.8 3.4 10.1
100 4.0 2.2 6.6

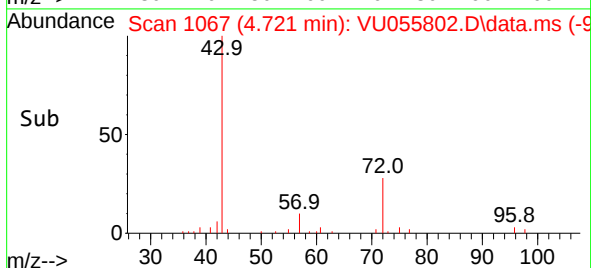
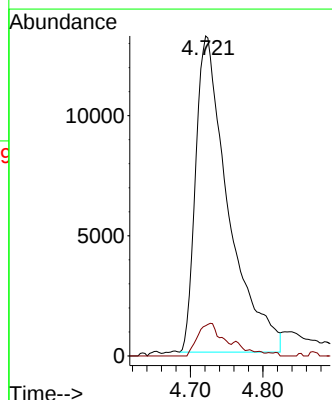
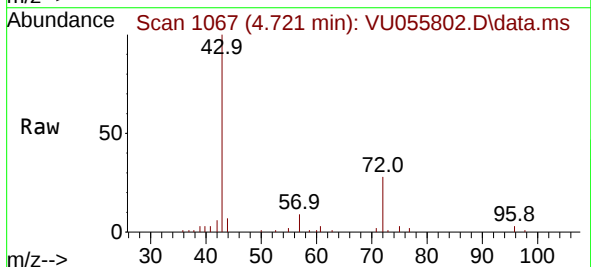
Manual Integrations
APPROVED

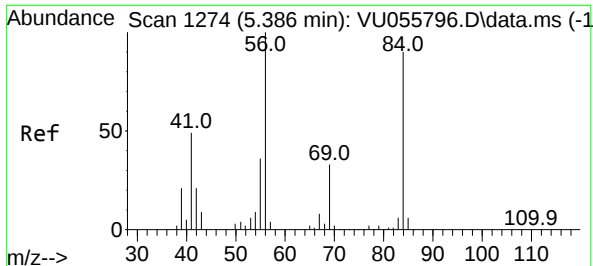
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#18
2-Butanone
Concen: 3.495 ug/l
RT: 4.721 min Scan# 1067
Delta R.T. 0.020 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Tgt Ion: 43 Resp: 41160
Ion Ratio Lower Upper
43 100
57 9.6 0.0 19.6





#19

Cyclohexane

Concen: 0.742 ug/l m

RT: 5.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

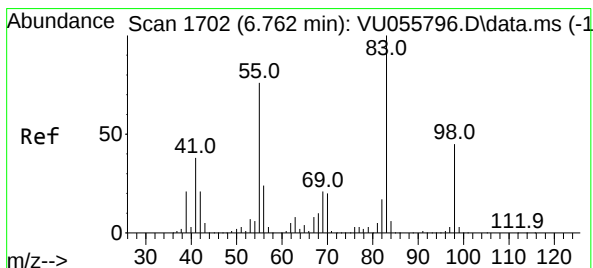
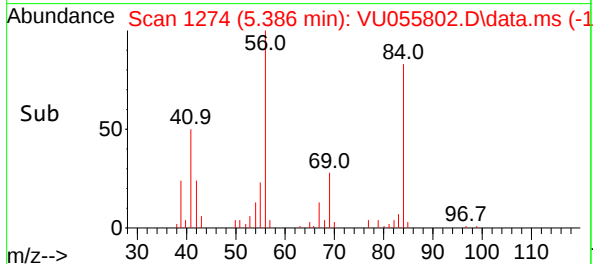
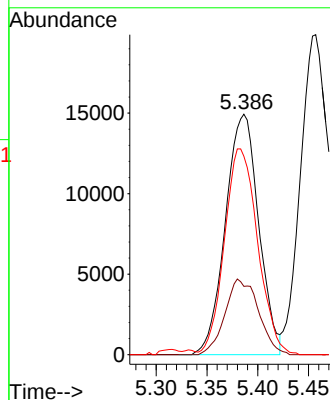
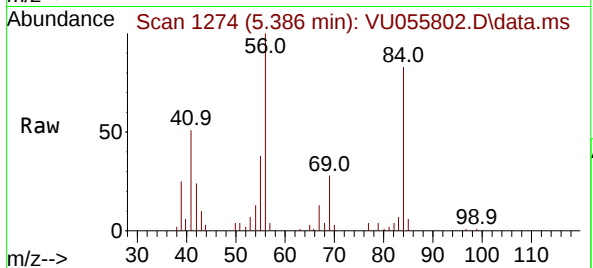
Tgt Ion:	56	Resp:	3400
Ion Ratio	Lower	Upper	
56	100		
69	31.7	24.6	37.0
84	84.2	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#20

Methylcyclohexane

Concen: 0.712 ug/l

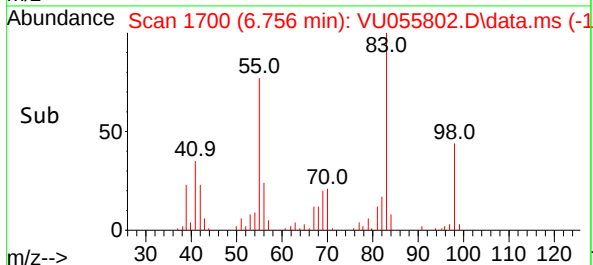
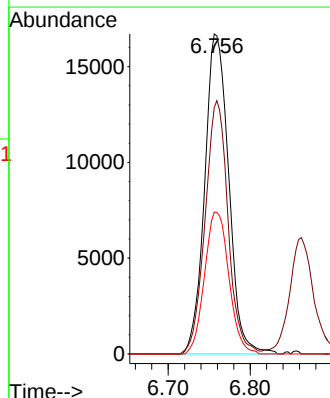
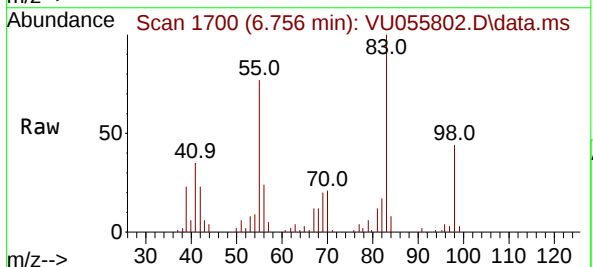
RT: 6.756 min Scan# 1700

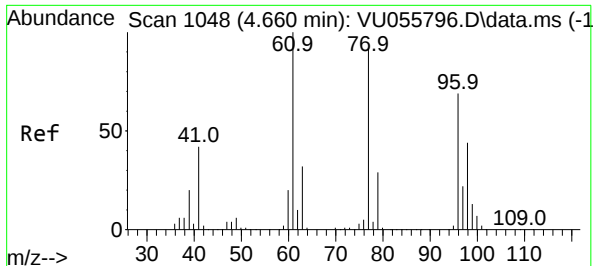
Delta R.T. -0.006 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Tgt Ion:	83	Resp:	33931
Ion Ratio	Lower	Upper	
83	100		
55	74.5	63.5	95.3
98	45.0	36.0	54.0





#21

2,2-Dichloropropane

Concen: 0.816 ug/l

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 77 Resp: 36950

Ion Ratio Lower Upper

77 100

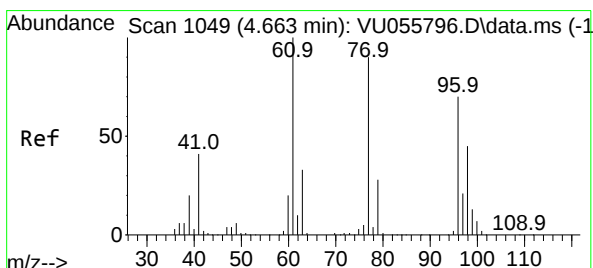
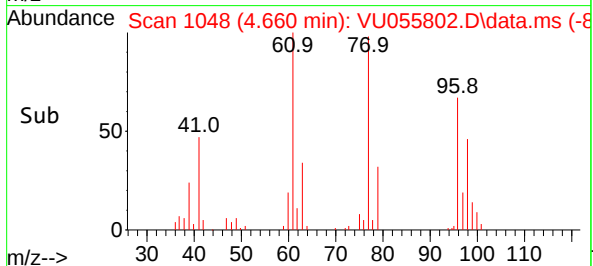
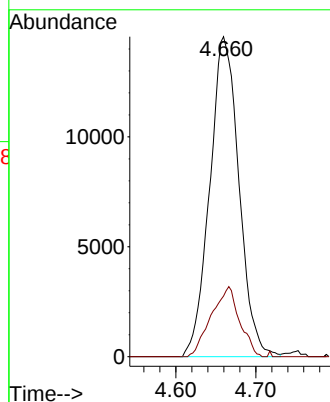
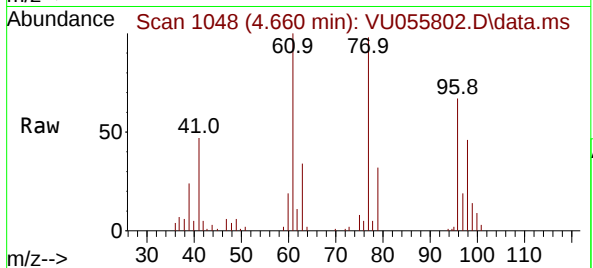
97 21.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#22

cis-1,2-Dichloroethene

Concen: 0.806 ug/l

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

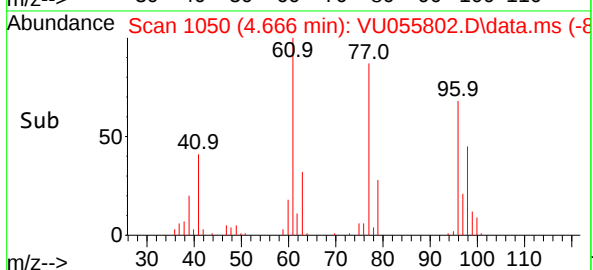
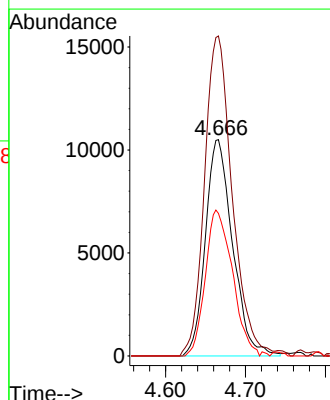
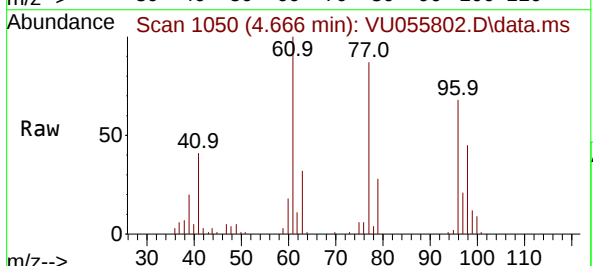
Tgt Ion: 96 Resp: 24837

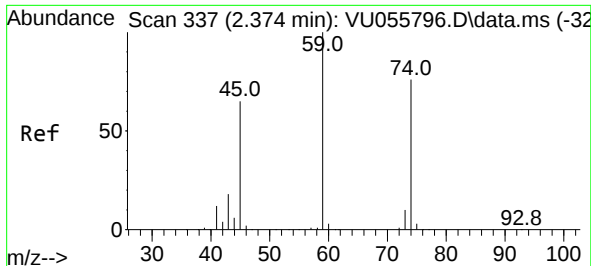
Ion Ratio Lower Upper

96 100

61 150.9 0.0 365.8

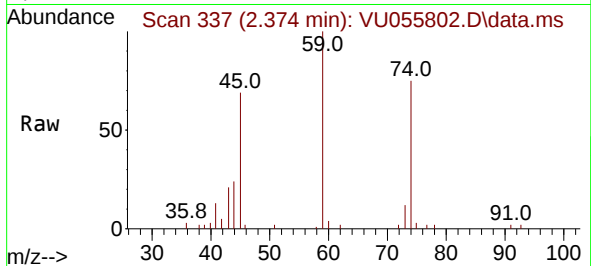
98 67.1 32.0 96.0





#23
Diethyl Ether
Concen: 0.779 ug/l
RT: 2.374 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

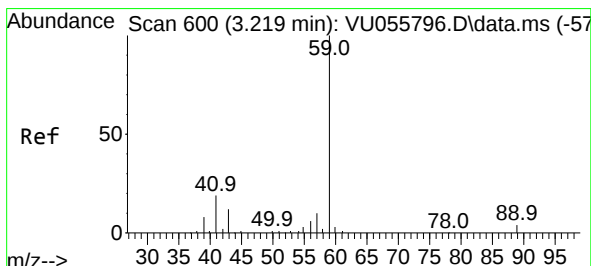
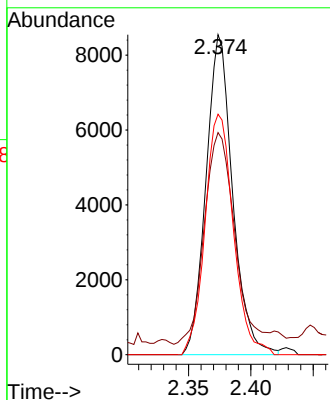
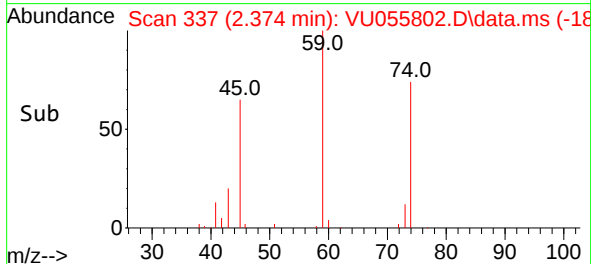
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 59 Resp: 12704
Ion Ratio Lower Upper
59 100
45 74.9 56.1 84.1
74 79.9 57.4 86.2

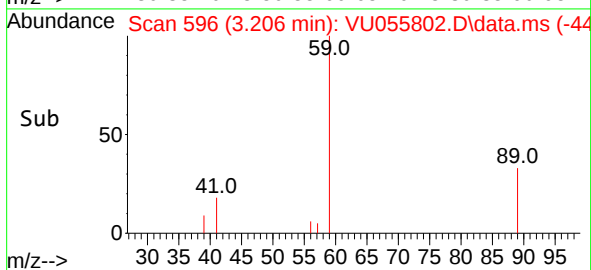
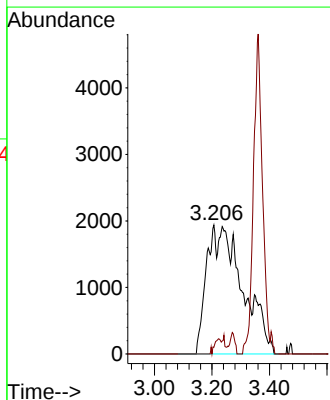
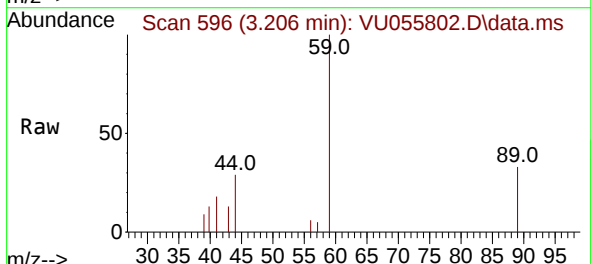
Manual Integrations
APPROVED

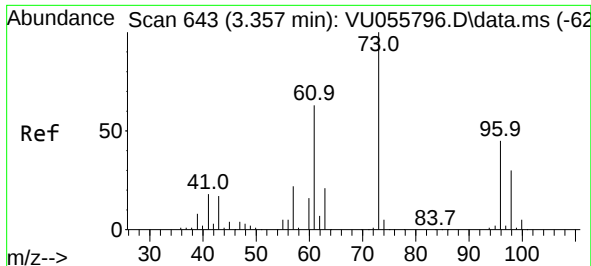
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#24
tert-Butyl Alcohol
Concen: 10.058 ug/l m
RT: 3.206 min Scan# 596
Delta R.T. -0.013 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

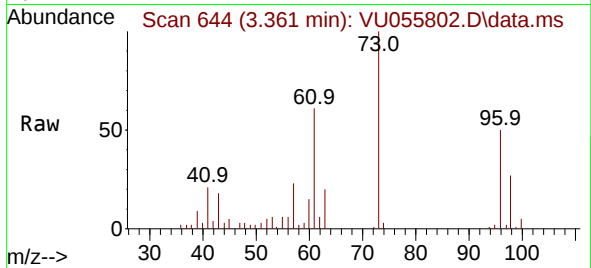
Tgt Ion: 59 Resp: 16817
Ion Ratio Lower Upper
59 100
57 2.2 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 0.836 ug/l
RT: 3.361 min Scan# 64
Delta R.T. 0.004 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

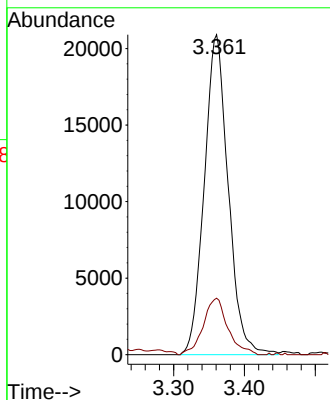
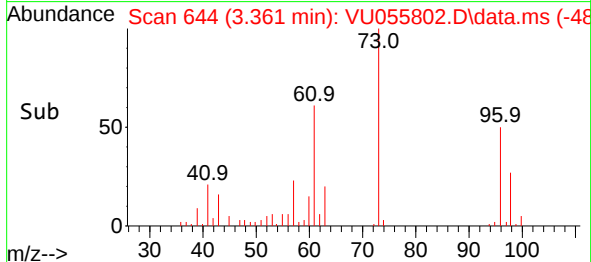
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



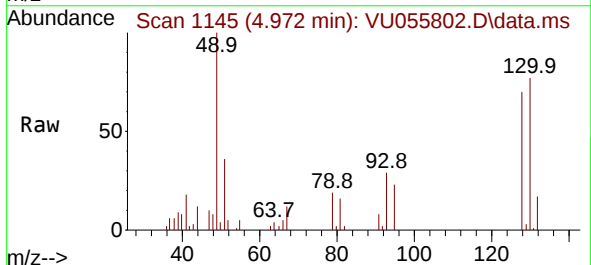
Tgt Ion: 73 Resp: 4908
Ion Ratio Lower Upper
73 100
43 18.1 15.0 22.6

Manual Integrations
APPROVED

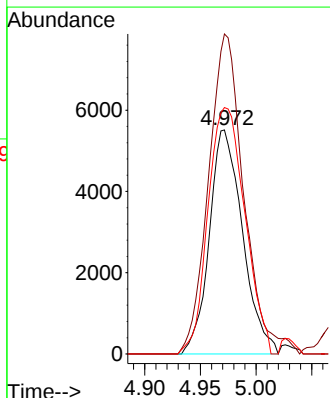
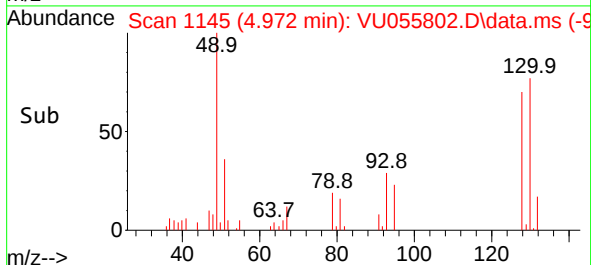
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

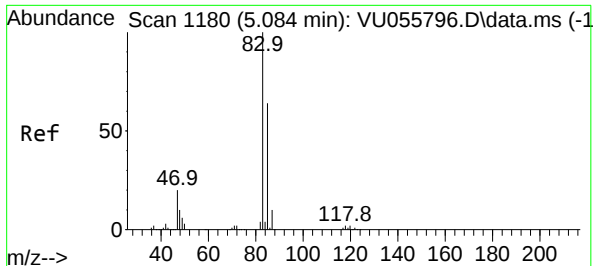


#26
Bromochloromethane
Concen: 0.877 ug/l
RT: 4.972 min Scan# 1145
Delta R.T. 0.004 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



Tgt Ion:128 Resp: 11449
Ion Ratio Lower Upper
128 100
49 151.8 0.0 324.6
130 122.3 103.0 154.4





#27

Chloroform

Concen: 0.850 ug/l

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 83 Resp: 4686

Ion Ratio Lower Upper

83 100

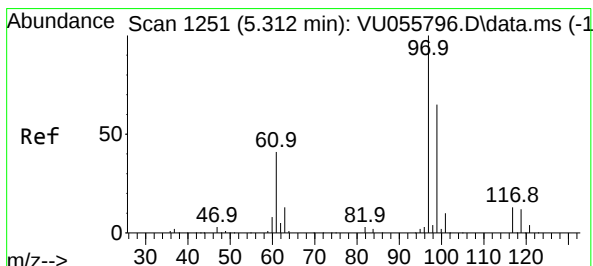
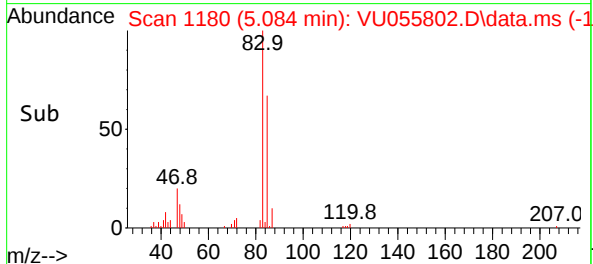
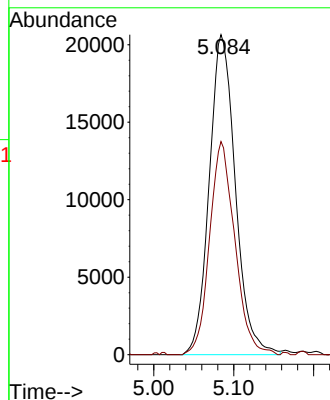
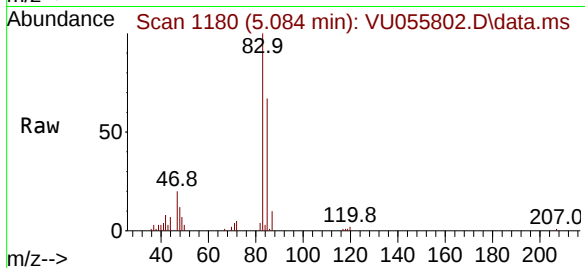
85 66.6 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#28

1,1,1-Trichloroethane

Concen: 0.809 ug/l

RT: 5.312 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

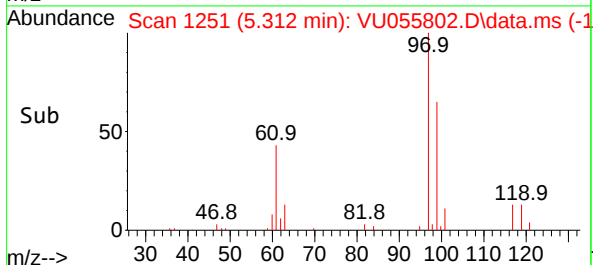
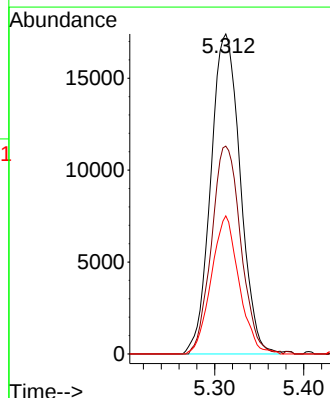
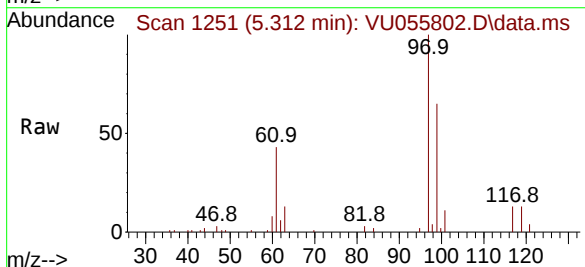
Tgt Ion: 97 Resp: 40013

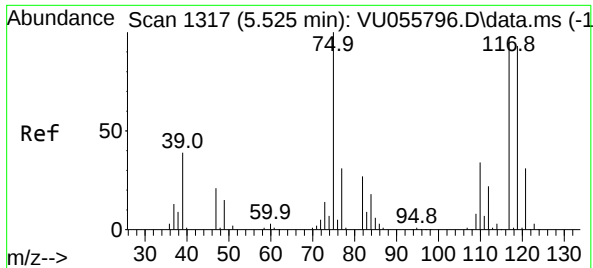
Ion Ratio Lower Upper

97 100

99 64.6 32.0 96.2

61 40.8 22.9 68.5





#29

1,1-Dichloropropene

Concen: 0.792 ug/l

RT: 5.521 min Scan# 1317

Delta R.T. -0.004 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

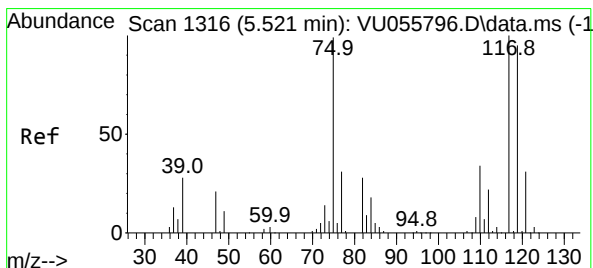
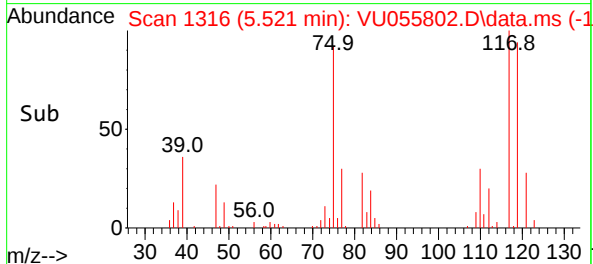
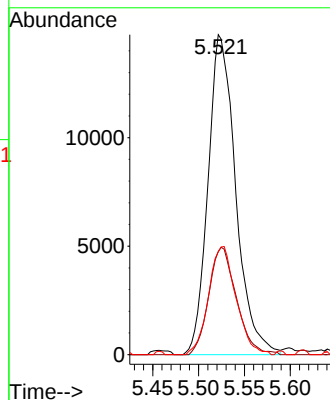
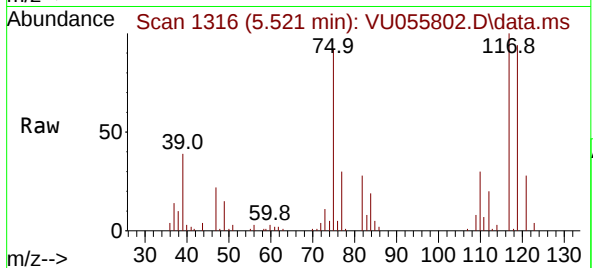
Tgt Ion:	75	Resp:	3101
Ion Ratio	Lower	Upper	
75	100		
110	33.5	18.0	54.0
77	33.4	24.7	37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#30

Carbon Tetrachloride

Concen: 0.796 ug/l

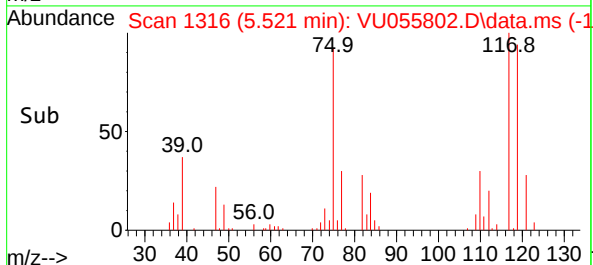
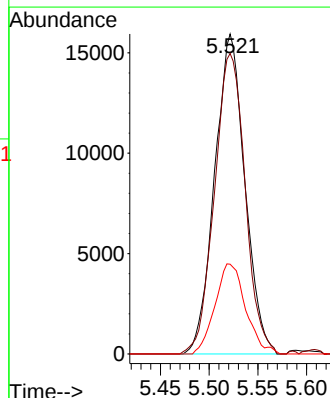
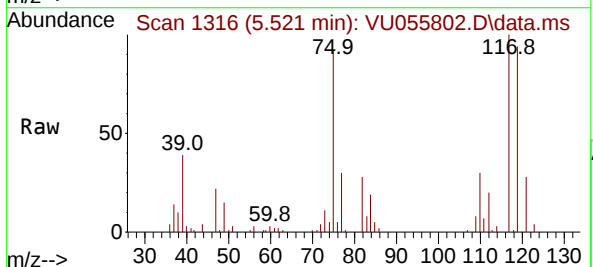
RT: 5.521 min Scan# 1316

Delta R.T. 0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

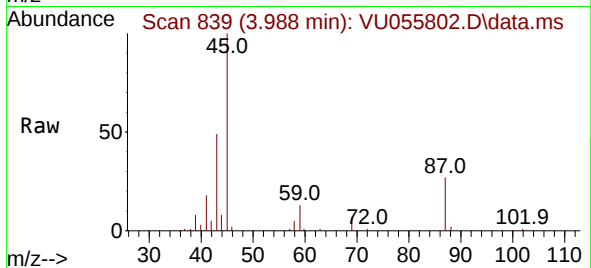
Tgt Ion:	117	Resp:	34349
Ion Ratio	Lower	Upper	
117	100		
119	93.9	77.4	116.0
121	28.1	24.0	36.0





#31
Isopropyl Ether
Concen: 0.824 ug/l
RT: 3.988 min Scan# 81
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

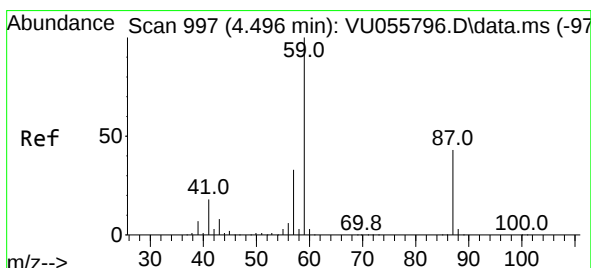
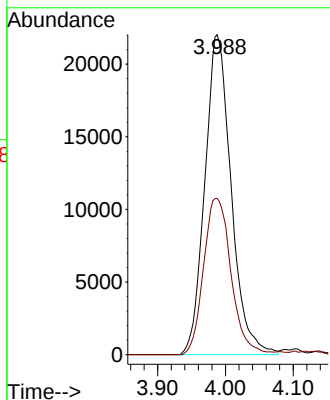
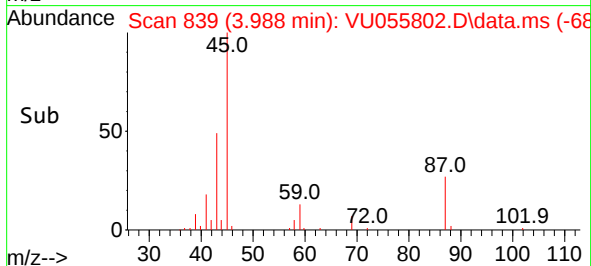
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



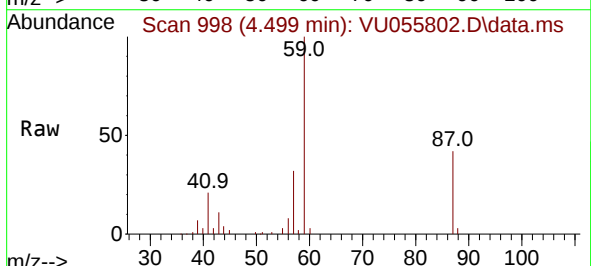
Tgt Ion: 45 Resp: 59500
Ion Ratio Lower Upper
45 100
43 51.0 27.5 82.5

Manual Integrations
APPROVED

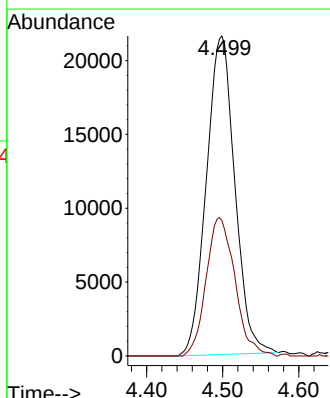
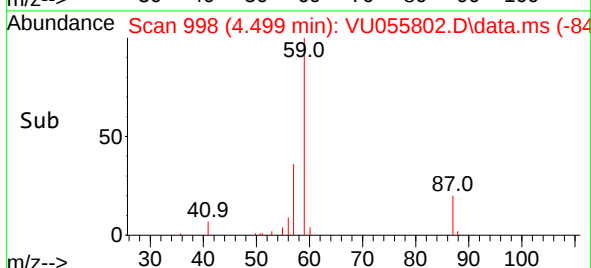
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

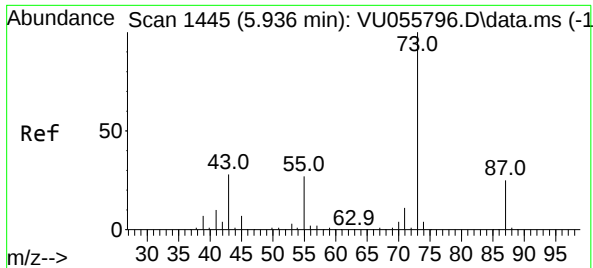


#32
Ethyl-t-butyl ether
Concen: 0.804 ug/l
RT: 4.499 min Scan# 998
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



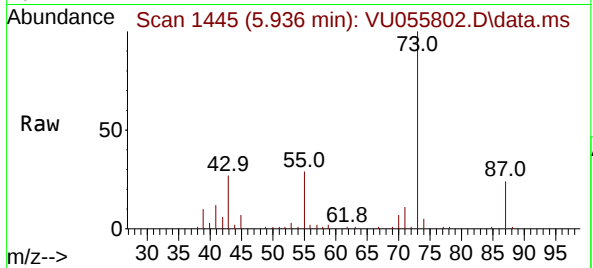
Tgt Ion: 59 Resp: 56078
Ion Ratio Lower Upper
59 100
87 44.0 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 0.794 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

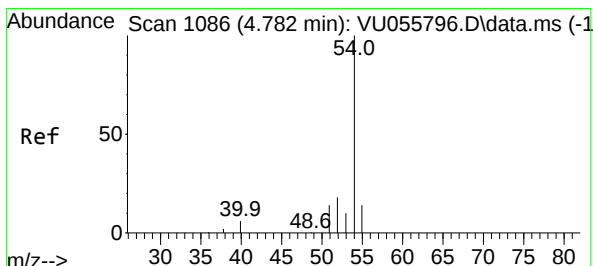
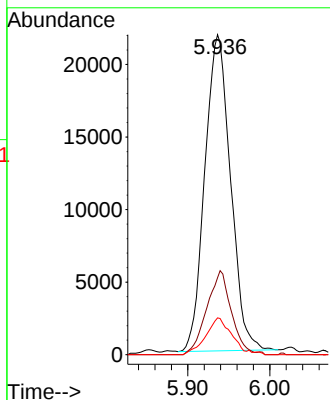
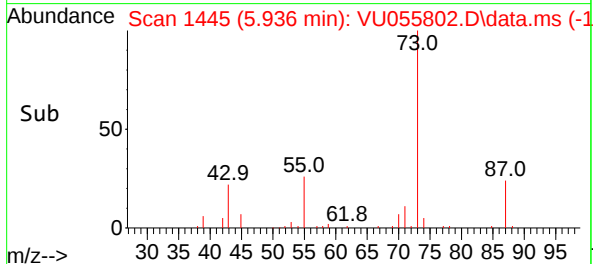
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



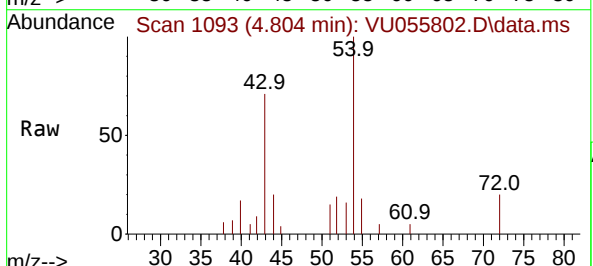
Tgt Ion: 73 Resp: 47418
Ion Ratio Lower Upper
73 100
87 25.4 18.6 28.0
71 10.8 9.9 14.9

Manual Integrations
APPROVED

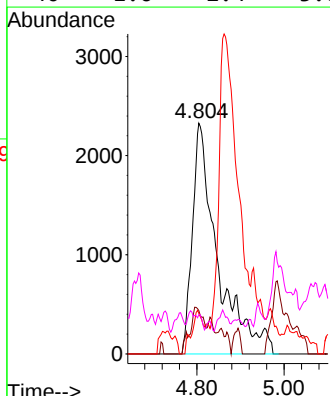
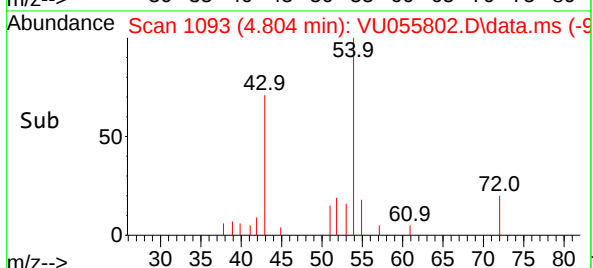
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

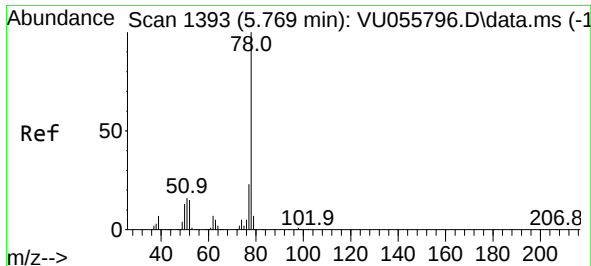


#34
Propionitrile
Concen: 5.015 ug/l m
RT: 4.804 min Scan# 1093
Delta R.T. 0.022 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



Tgt Ion: 54 Resp: 9344
Ion Ratio Lower Upper
54 100
52 6.6 17.4 26.0#
55 8.3 104.1 156.1#
40 1.6 2.4 3.6#





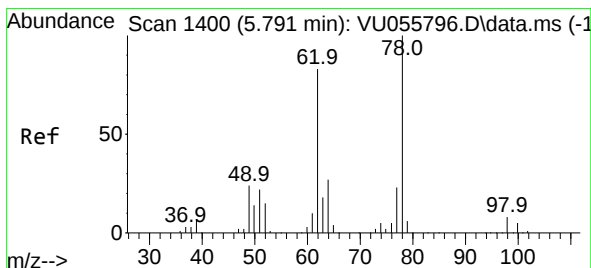
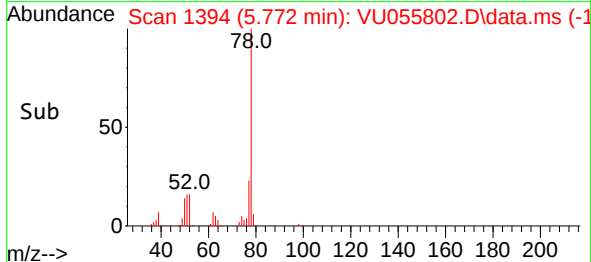
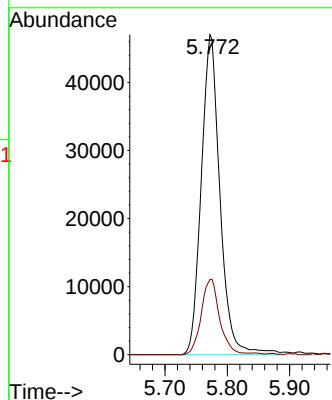
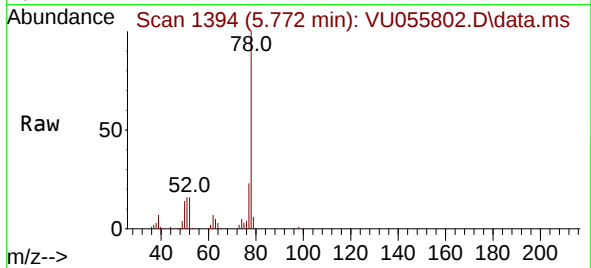
#35
Benzene
Concen: 0.827 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion: 78 Resp: 98072
Ion Ratio Lower Upper
78 100
77 23.5 18.9 28.3

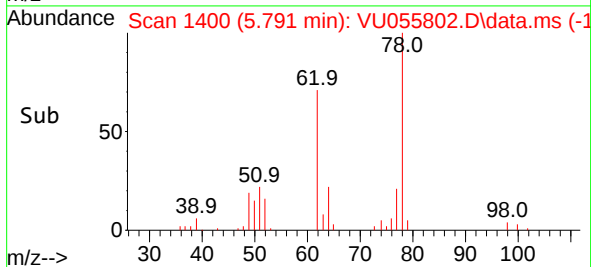
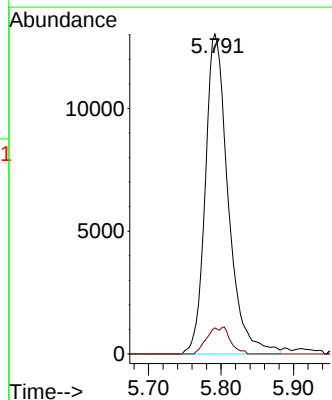
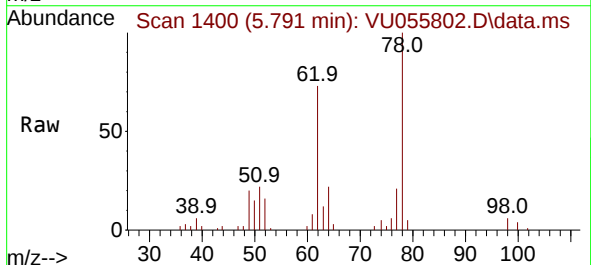
Manual Integrations
APPROVED

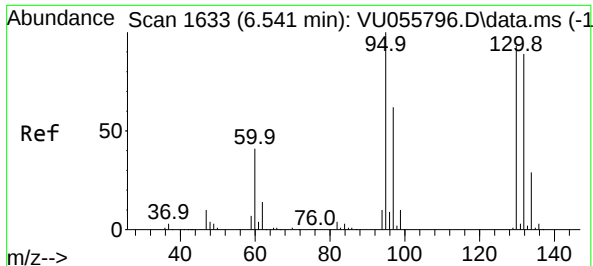
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#36
1,2-Dichloroethane
Concen: 0.888 ug/l
RT: 5.791 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Tgt Ion: 62 Resp: 28587
Ion Ratio Lower Upper
62 100
98 4.9 7.3 10.9#





#37

Trichloroethene

Concen: 0.836 ug/l

RT: 6.541 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion:130 Resp: 2578

Ion Ratio Lower Upper

130 100

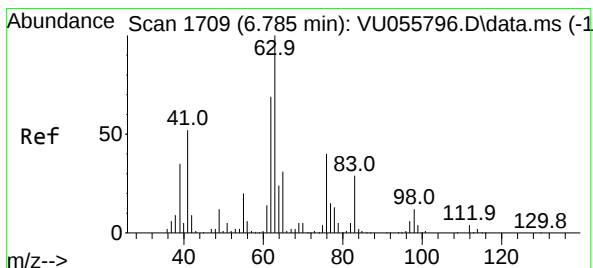
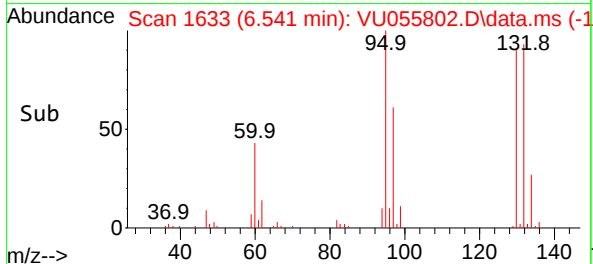
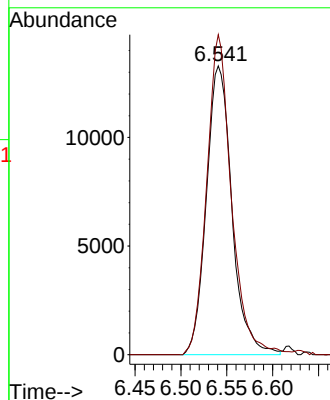
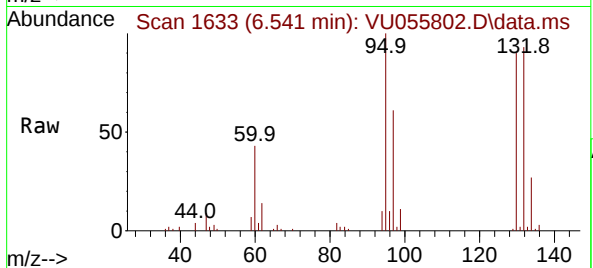
95 110.8 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#38

1,2-Dichloropropane

Concen: 0.857 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU055802.D

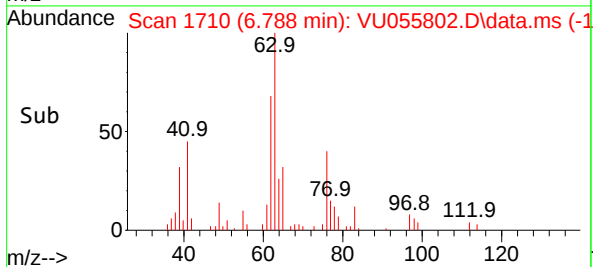
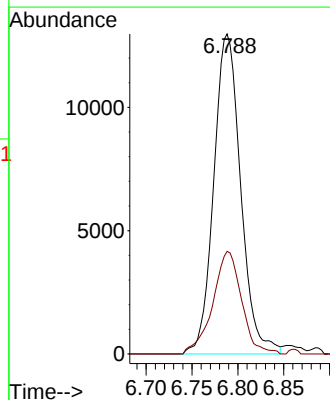
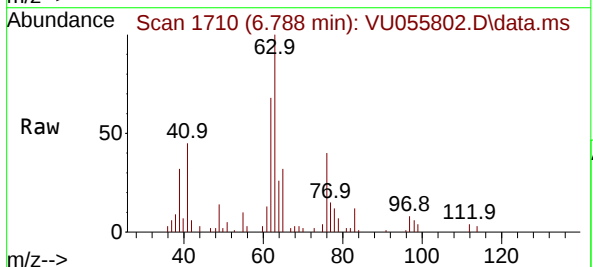
Acq: 18 Oct 2023 16:42

Tgt Ion: 63 Resp: 26546

Ion Ratio Lower Upper

63 100

65 32.0 24.9 37.3





#39

Methacrylonitrile

Concen: 0.868 ug/l

RT: 4.988 min Scan# 1110

Delta R.T. 0.020 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 41 Resp: 6030

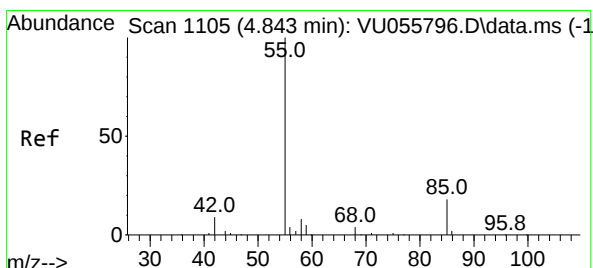
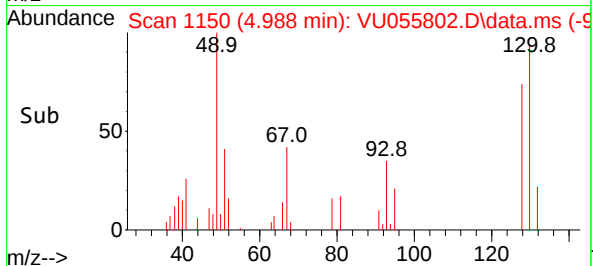
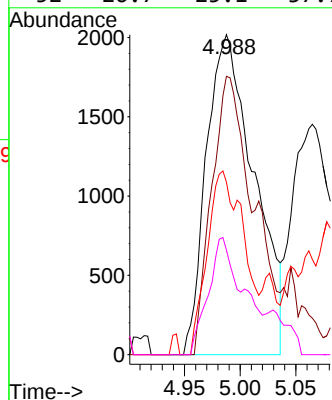
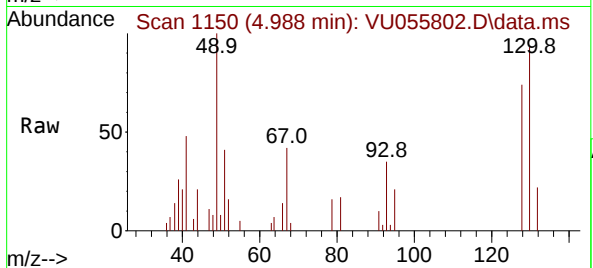
Ion	Ratio	Lower	Upper
41	100		
67	76.9	66.8	100.2
39	44.5	41.2	61.8
52	26.7	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#40

Methyl acrylate

Concen: 0.741 ug/l

RT: 4.862 min Scan# 1111

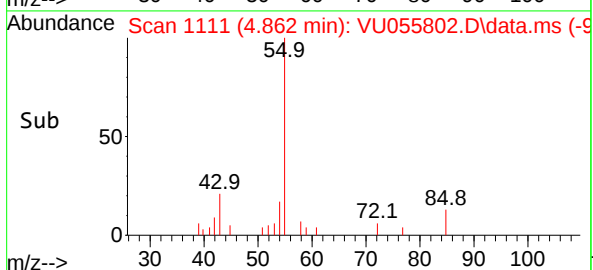
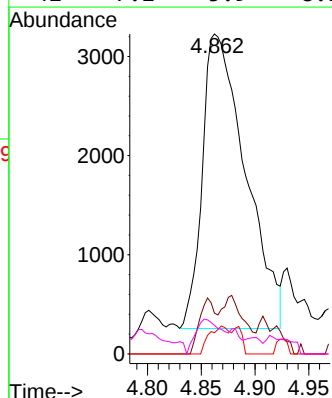
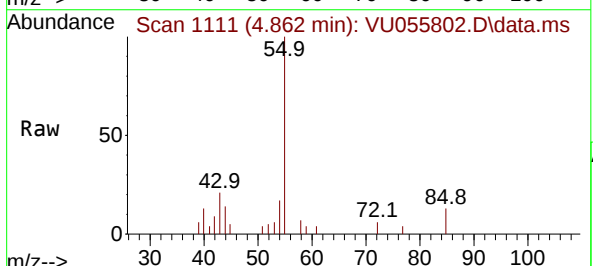
Delta R.T. 0.019 min

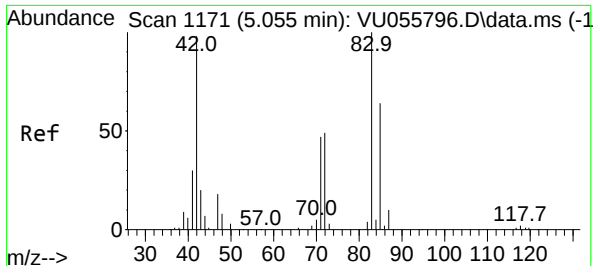
Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Tgt Ion: 55 Resp: 8292

Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.3	19.9#
58	4.6	6.5	9.7#
42	7.2	5.9	8.9





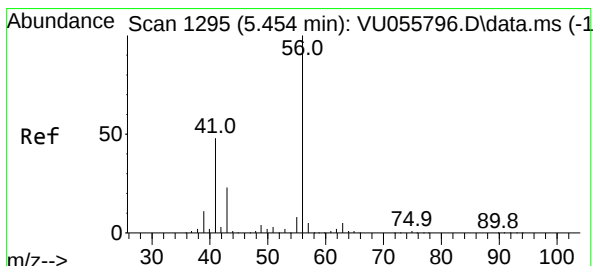
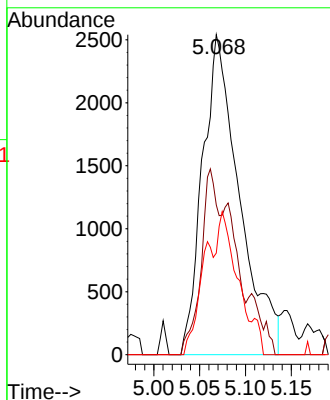
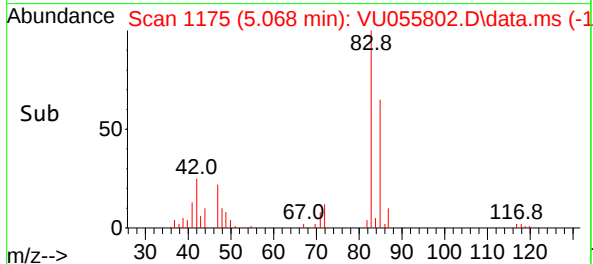
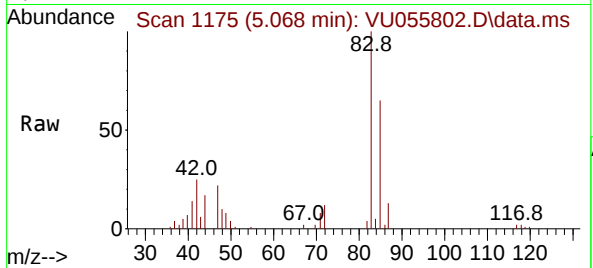
#41
Tetrahydrofuran
Concen: 1.806 ug/l
RT: 5.068 min Scan# 1171
Delta R.T. 0.013 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023

Tgt Ion: 42 Resp: 7110
Ion Ratio Lower Upper
42 100
72 0.0 40.9 61.3
71 26.4 36.9 55.3

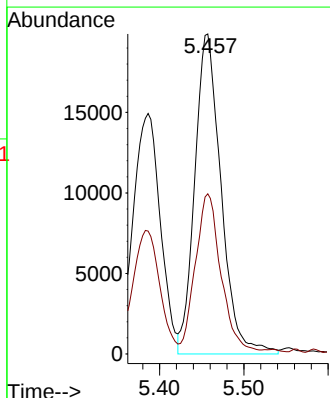
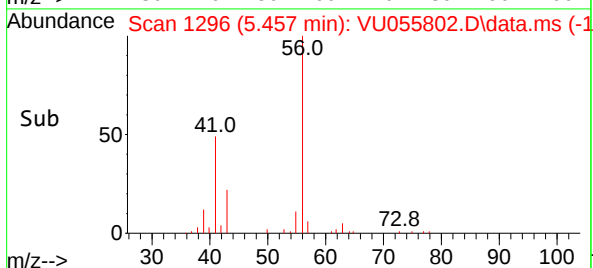
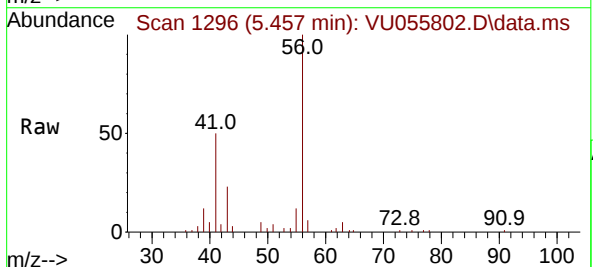
Manual Integrations
APPROVED

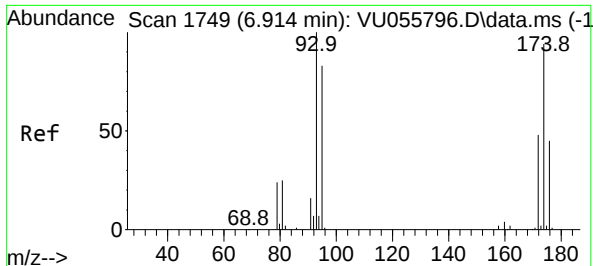
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#42
1-Chlorobutane
Concen: 0.826 ug/l
RT: 5.457 min Scan# 1296
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

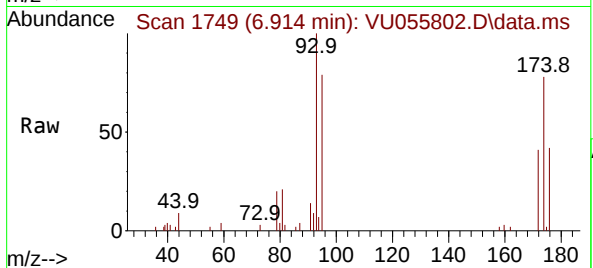
Tgt Ion: 56 Resp: 43139
Ion Ratio Lower Upper
56 100
41 47.2 25.2 75.6





#43
Dibromomethane
Concen: 0.833 ug/l
RT: 6.914 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

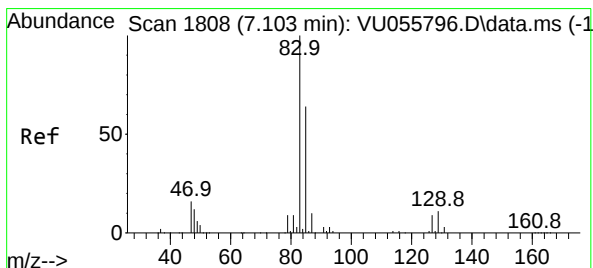
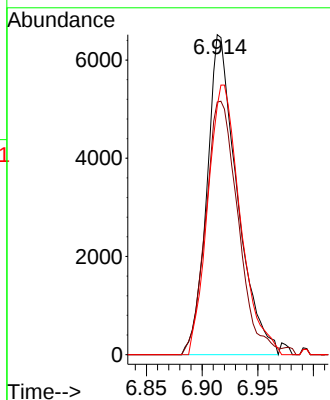
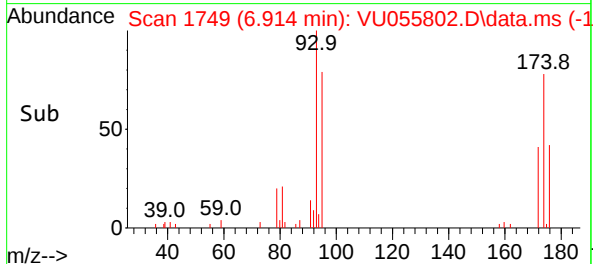
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



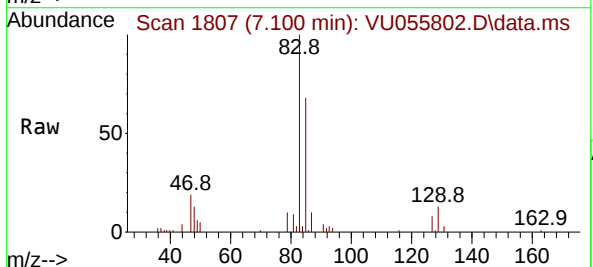
Tgt Ion: 93 Resp: 1226
Ion Ratio Lower Upper
93 100
95 85.1 67.0 100.6
174 90.8 73.8 110.6

Manual Integrations
APPROVED

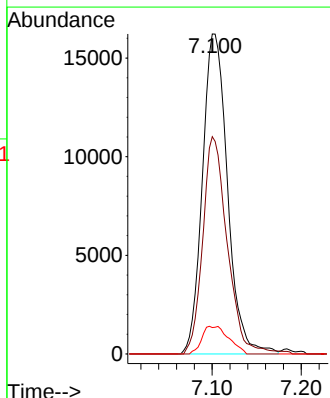
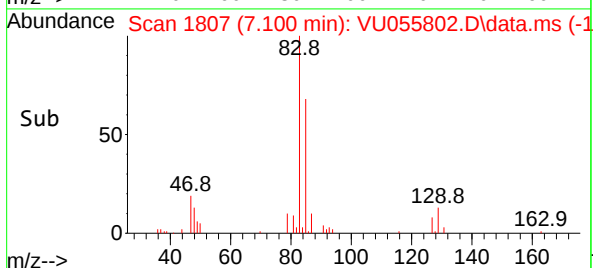
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

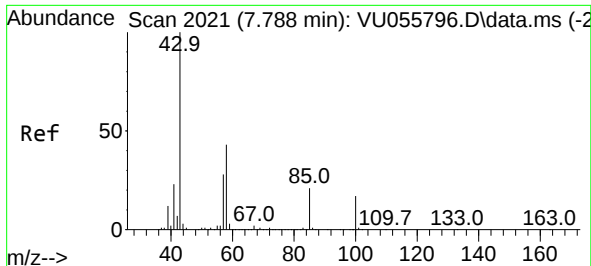


#44
Bromodichloromethane
Concen: 0.817 ug/l
RT: 7.100 min Scan# 1807
Delta R.T. -0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



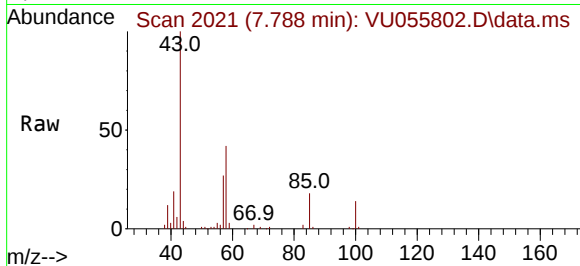
Tgt Ion: 83 Resp: 31771
Ion Ratio Lower Upper
83 100
85 67.9 51.9 77.9
127 8.3 6.7 10.1





#45
4-Methyl-2-Pentanone
Concen: 4.072 ug/l
RT: 7.788 min Scan# 2021
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

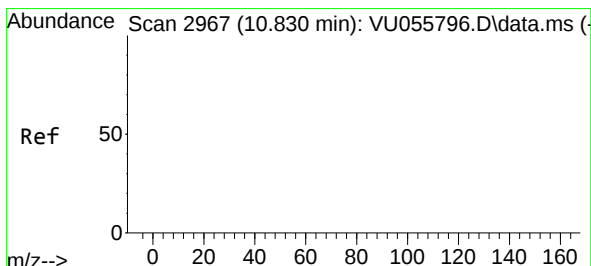
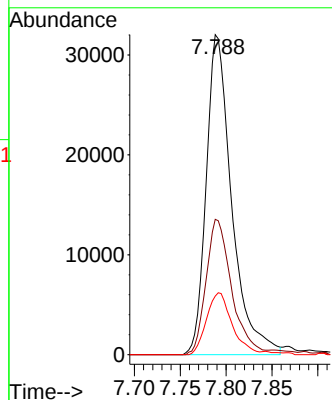
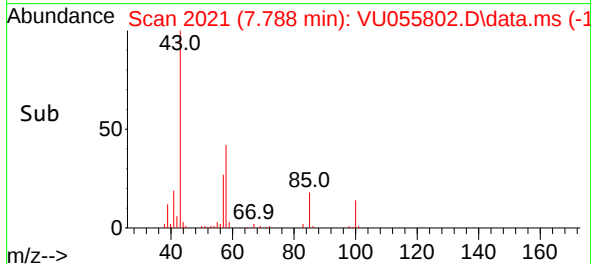
Instrument : MSVOA_U
ClientSampleId : VU055802.D
LOQ-WATER-02-QT4-2023



Tgt Ion: 43 Resp: 6200
Ion Ratio Lower Upper
43 100
58 42.4 20.9 62.8
85 19.4 14.6 21.8

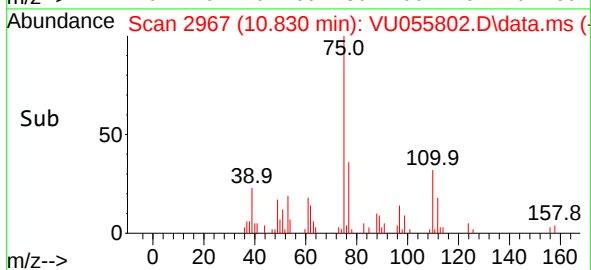
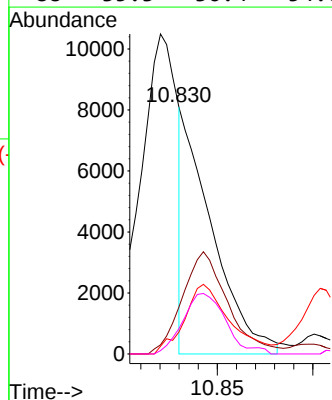
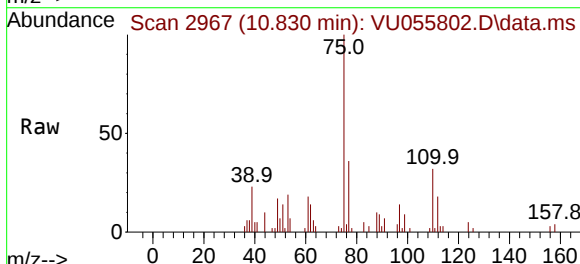
Manual Integrations
APPROVED

Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#46
t-1,4-Dichloro-2-butene
Concen: 1.448 ug/l m
RT: 10.830 min Scan# 2967
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

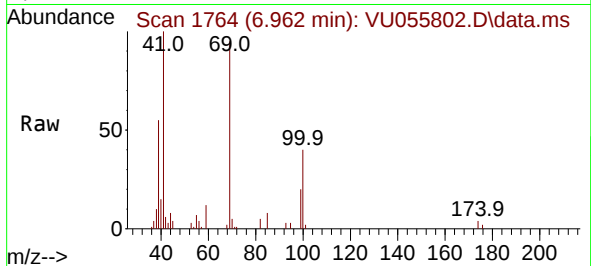
Tgt Ion: 75 Resp: 8771
Ion Ratio Lower Upper
75 100
53 63.2 73.3 109.9#
89 42.7 48.2 72.4#
88 35.3 36.4 54.6#





#47
Methyl methacrylate
Concen: 1.581 ug/l
RT: 6.962 min Scan# 1763
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

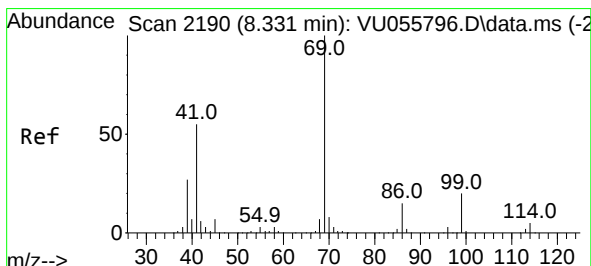
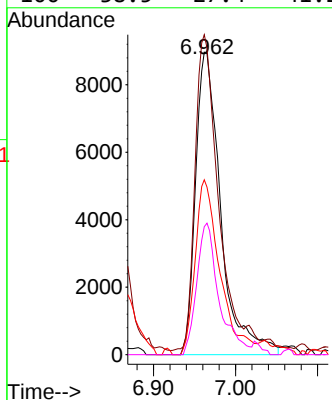
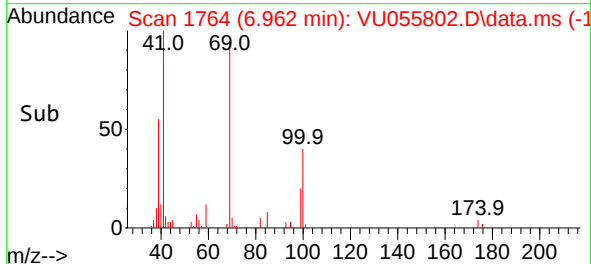
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023



Tgt Ion: 69 Resp: 1920
Ion Ratio Lower Upper
69 100
41 93.8 0.0 209.2
39 56.7 46.7 70.1
100 38.5 27.4 41.2

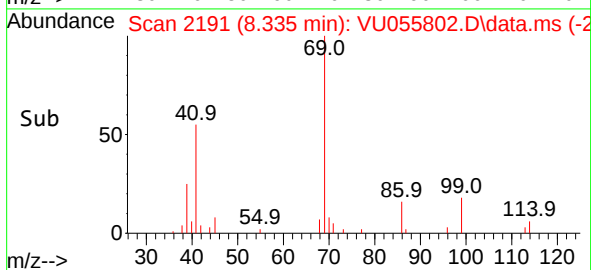
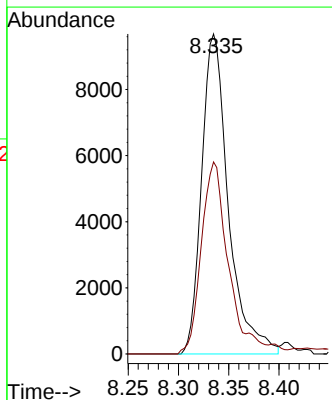
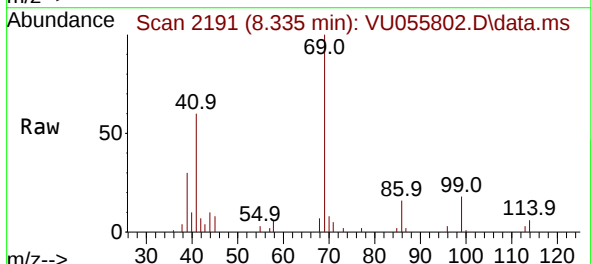
Manual Integrations
APPROVED

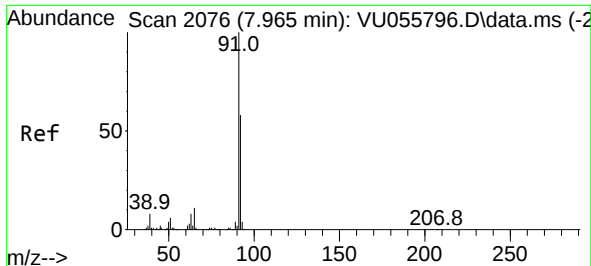
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#48
Ethyl methacrylate
Concen: 0.776 ug/l
RT: 8.335 min Scan# 2191
Delta R.T. 0.004 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Tgt Ion: 69 Resp: 17890
Ion Ratio Lower Upper
69 100
41 60.4 30.3 90.8





#49

Toluene

Concen: 0.792 ug/l

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 92 Resp: 55580

Ion Ratio Lower Upper

92 100

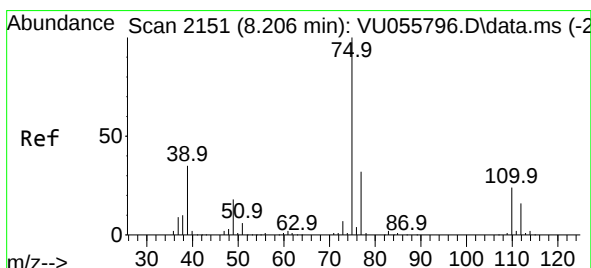
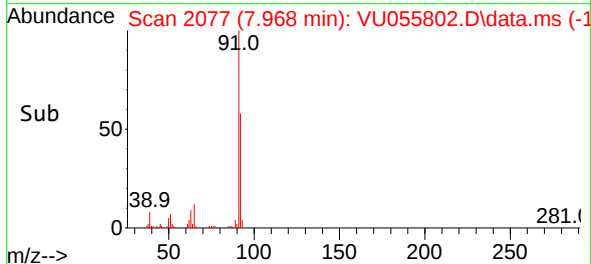
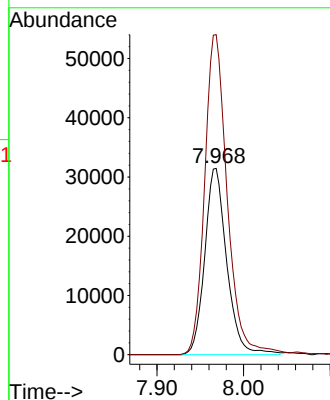
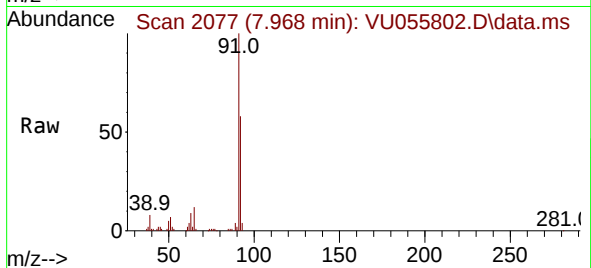
91 176.1 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#50

t-1,3-Dichloropropene

Concen: 0.806 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU055802.D

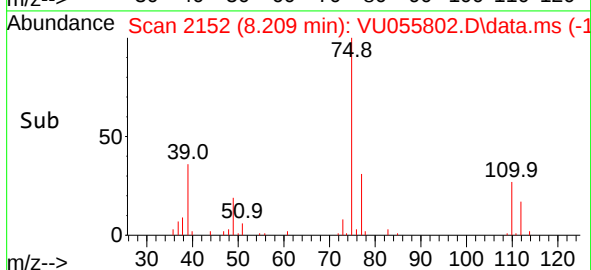
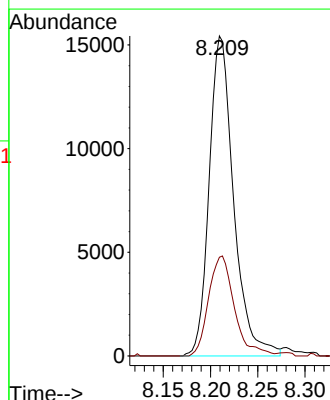
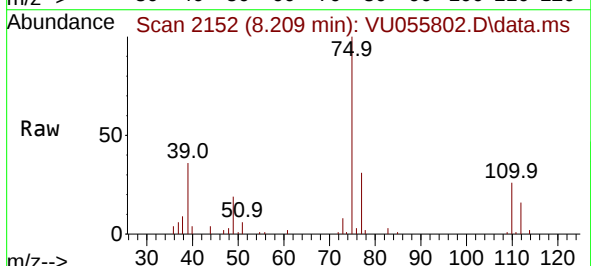
Acq: 18 Oct 2023 16:42

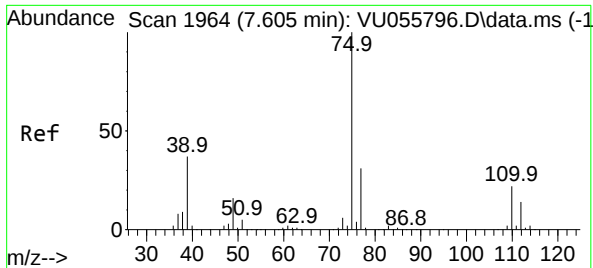
Tgt Ion: 75 Resp: 27766

Ion Ratio Lower Upper

75 100

77 30.9 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 0.835 ug/l
 RT: 7.608 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VU055802.D
 Acq: 18 Oct 2023 16:42

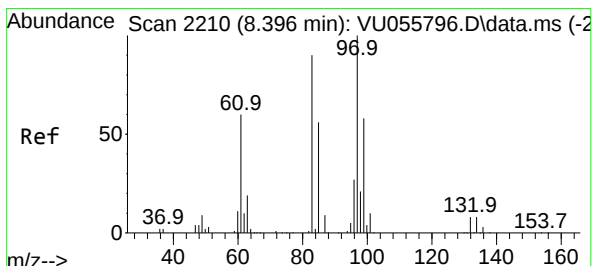
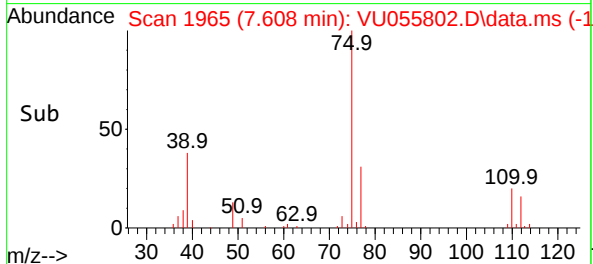
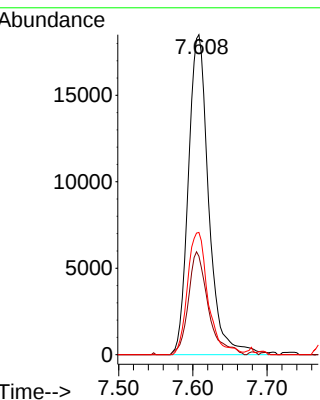
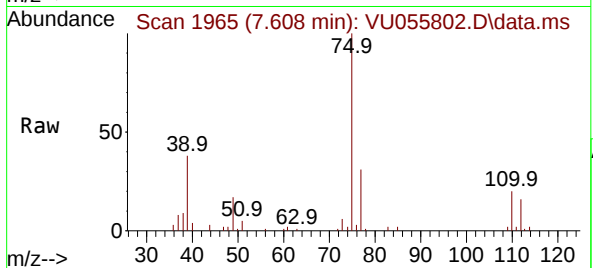
Instrument : MSVOA_U
 ClientSampleId : LOQ-WATER-02-QT4-2023

Tgt Ion: 75 Resp: 35169

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.7	38.5
39	38.2	32.8	49.2

Manual Integrations
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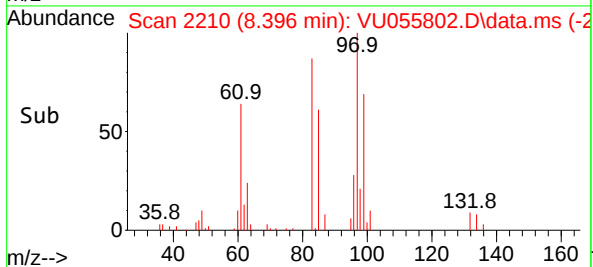
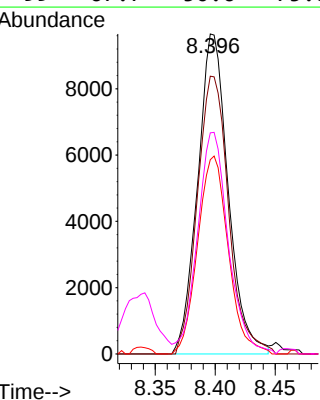
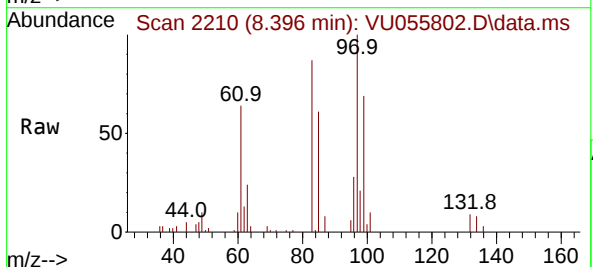
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

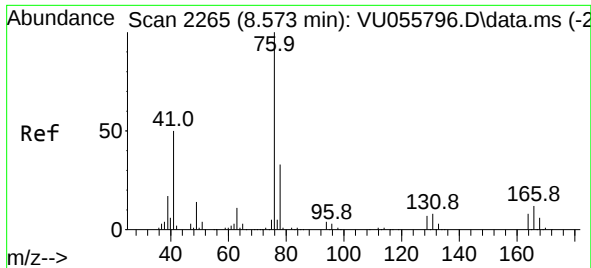


#52
 1,1,2-Trichloroethane
 Concen: 0.813 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. -0.000 min
 Lab File: VU055802.D
 Acq: 18 Oct 2023 16:42

Tgt Ion: 97 Resp: 17096

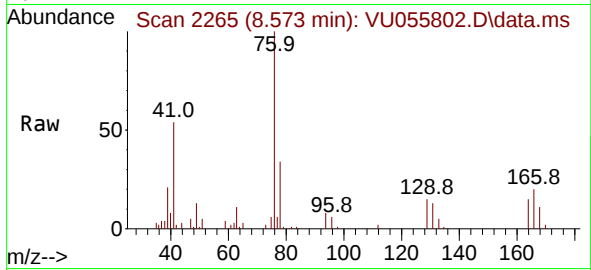
Ion	Ratio	Lower	Upper
97	100		
83	86.8	71.8	107.8
85	60.7	45.2	67.8
99	67.7	50.6	75.8





#53
1,3-Dichloropropane
Concen: 0.820 ug/l
RT: 8.573 min Scan# 2100
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

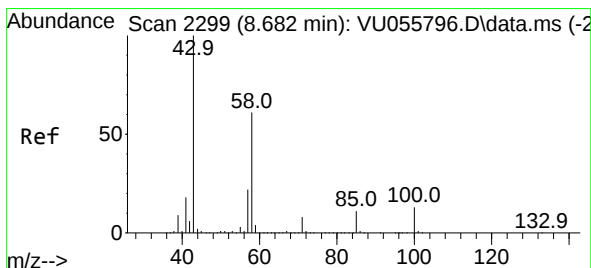
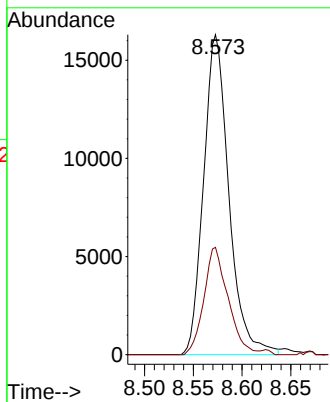
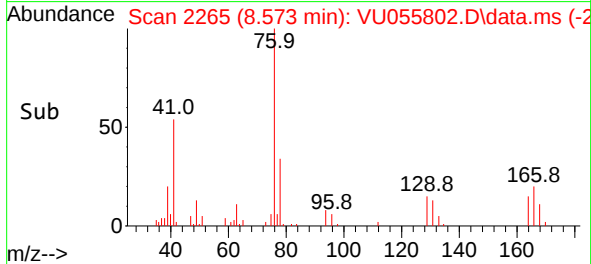
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023



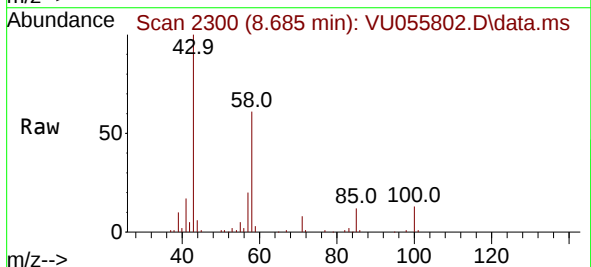
Tgt Ion: 76 Resp: 2947
Ion Ratio Lower Upper
76 100
78 32.1 25.9 38.9

Manual Integrations
APPROVED

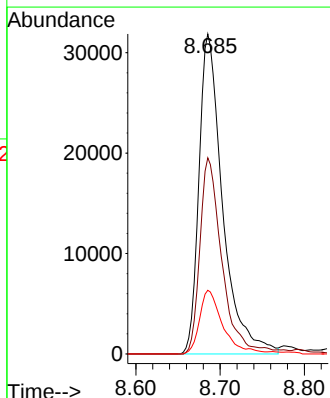
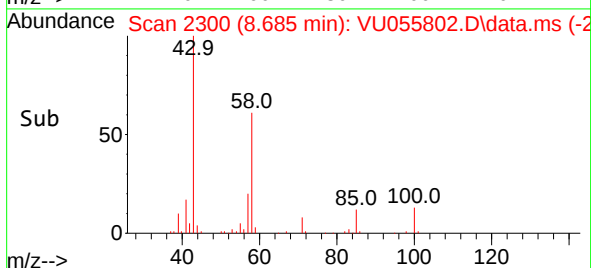
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

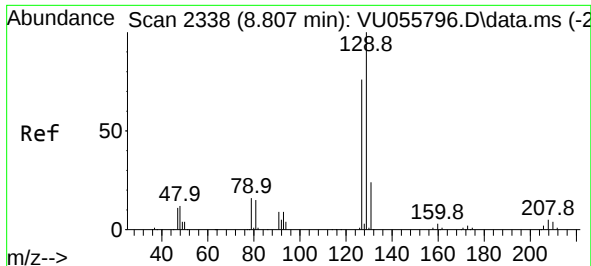


#54
2-Hexanone
Concen: 3.648 ug/l
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



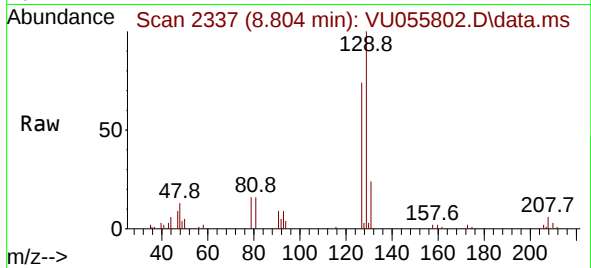
Tgt Ion: 43 Resp: 62221
Ion Ratio Lower Upper
43 100
58 57.0 38.2 78.2
57 19.5 0.0 39.1





#55
Dibromochloromethane
Concen: 0.811 ug/l
RT: 8.804 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

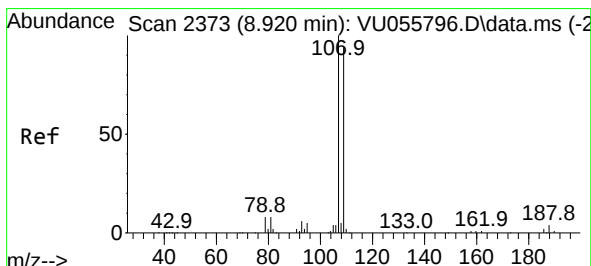
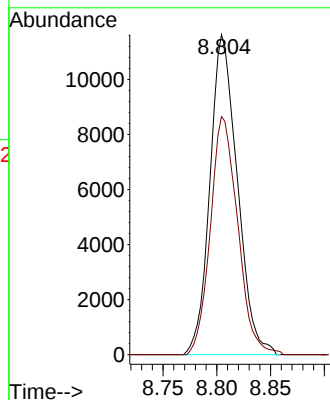
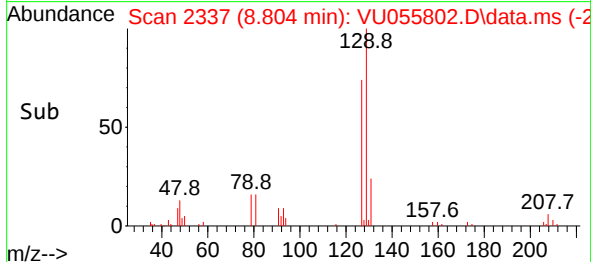
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion:129 Resp: 2059
Ion Ratio Lower Upper
129 100
127 74.2 61.4 92.0

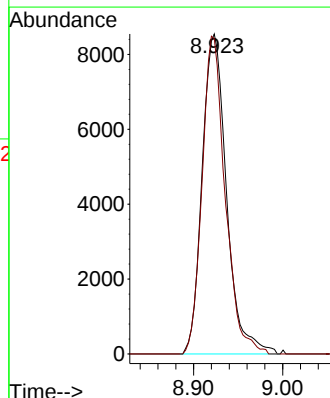
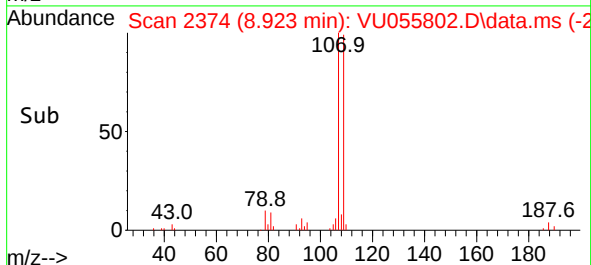
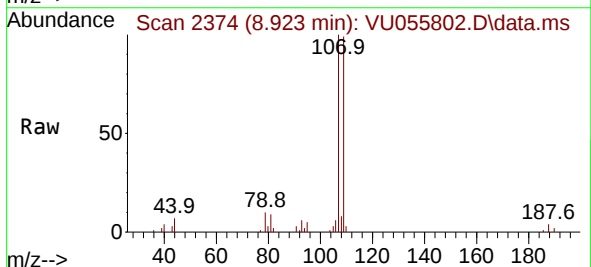
Manual Integrations
APPROVED

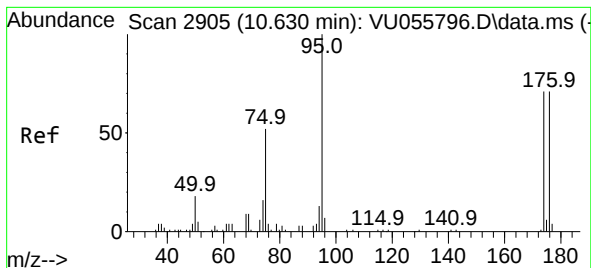
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#56
1,2-Dibromoethane
Concen: 0.847 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

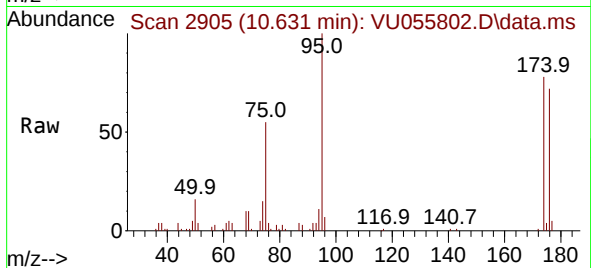
Tgt Ion:107 Resp: 16271
Ion Ratio Lower Upper
107 100
109 94.2 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.929 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.001 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

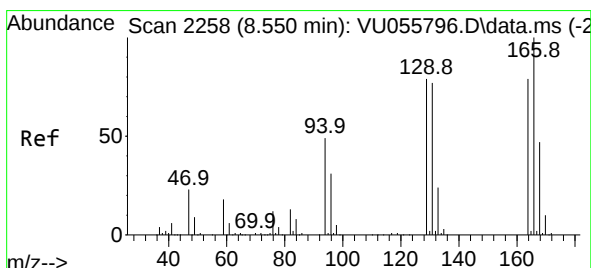
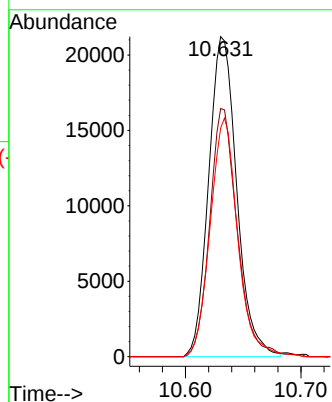
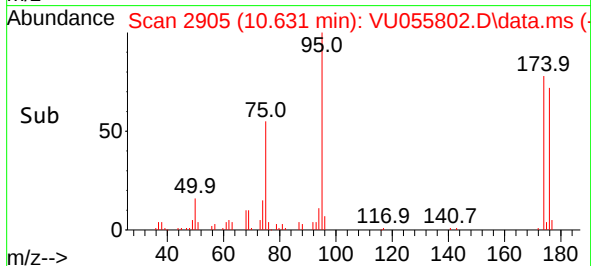
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023



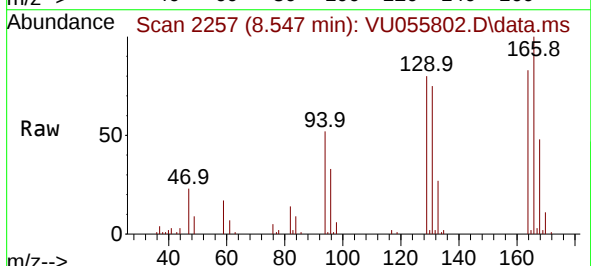
Tgt Ion: 95 Resp: 3581
Ion Ratio Lower Upper
95 100
174 76.1 63.3 94.9
176 73.1 59.3 88.9

Manual Integrations
APPROVED

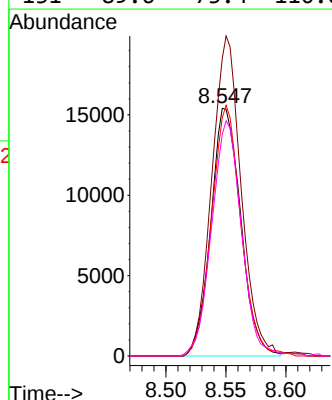
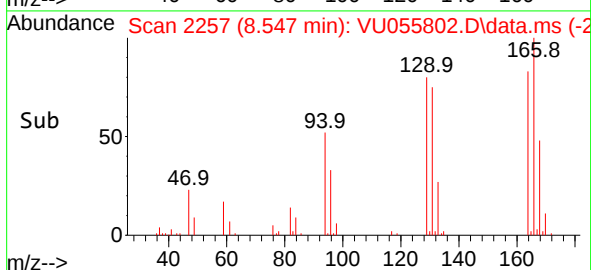
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#58
Tetrachloroethene
Concen: 0.833 ug/l
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



Tgt Ion:164 Resp: 26727
Ion Ratio Lower Upper
164 100
166 120.2 99.6 149.4
129 96.2 78.6 117.8
131 89.6 73.4 110.0





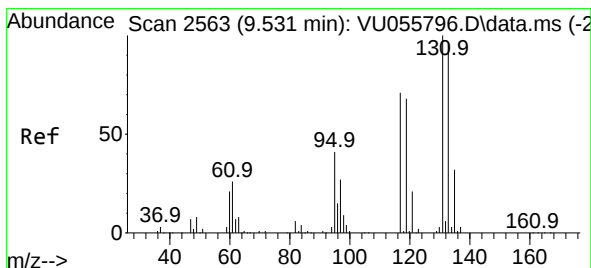
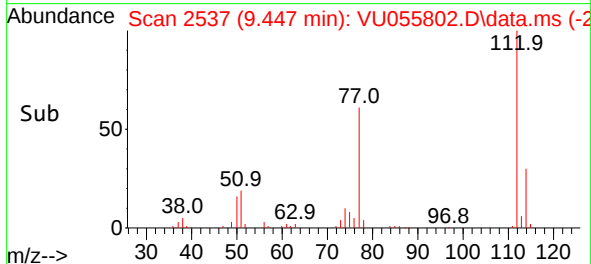
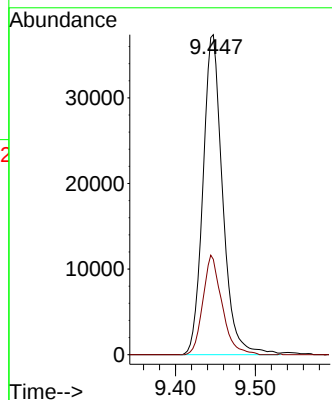
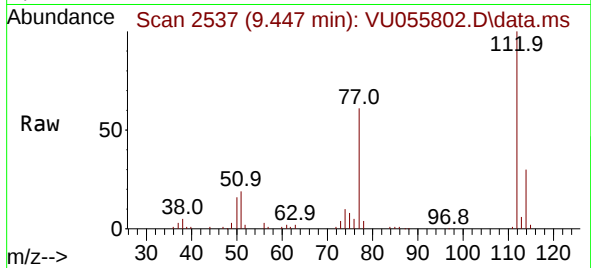
#59
Chlorobenzene
Concen: 0.825 ug/l
RT: 9.447 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:112 Resp: 6400
Ion Ratio Lower Upper
112 100
114 29.8 25.6 38.4

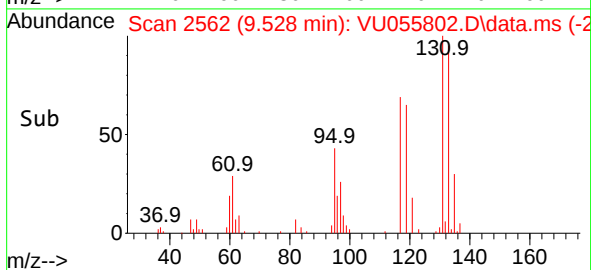
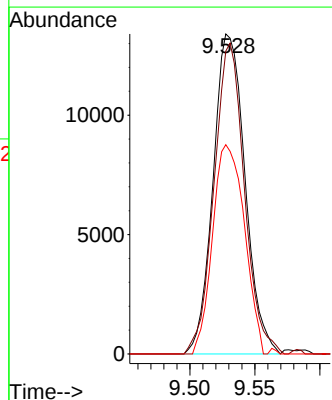
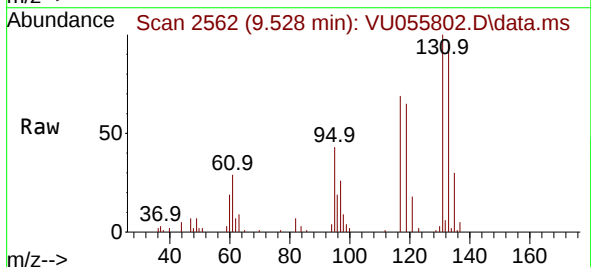
Manual Integrations
APPROVED

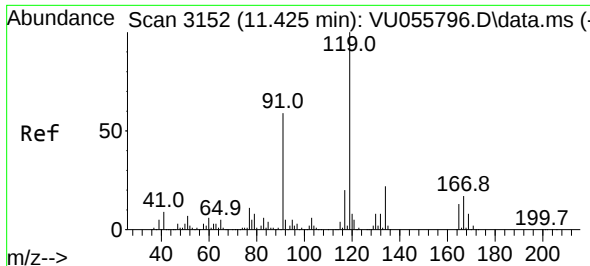
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 0.828 ug/l
RT: 9.528 min Scan# 2562
Delta R.T. -0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Tgt Ion:131 Resp: 22866
Ion Ratio Lower Upper
131 100
133 92.7 77.8 116.6
119 65.2 55.2 82.8





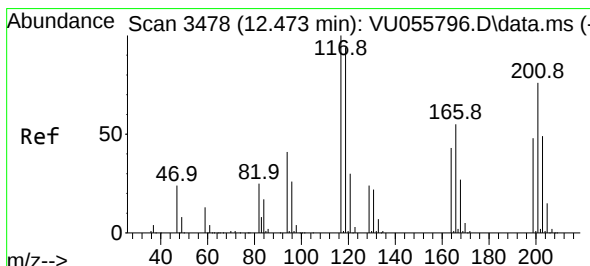
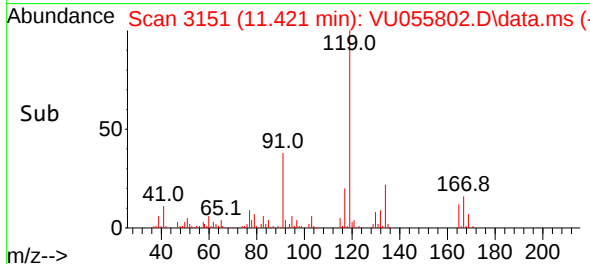
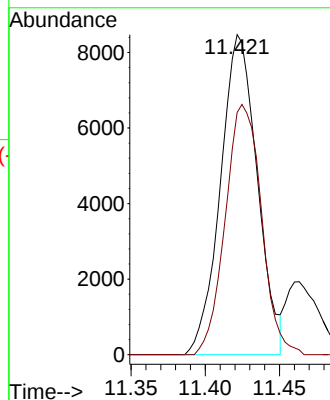
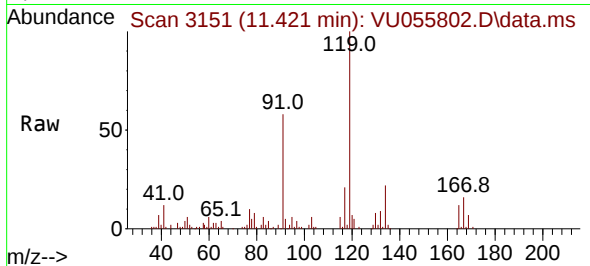
#61
 Pentachloroethane
 Concen: 0.780 ug/l
 RT: 11.421 min Scan# 3152
 Delta R.T. -0.004 min
 Lab File: VU055802.D
 Acq: 18 Oct 2023 16:42

Instrument : MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023

Tgt Ion:117 Resp: 14592
 Ion Ratio Lower Upper
 117 100
 167 76.9 56.7 85.1

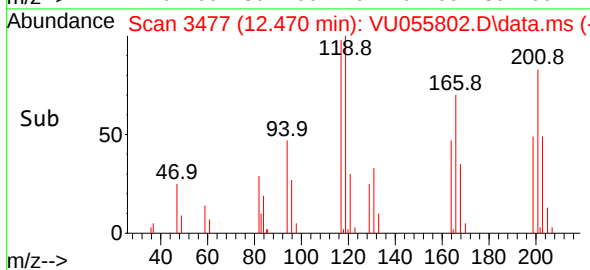
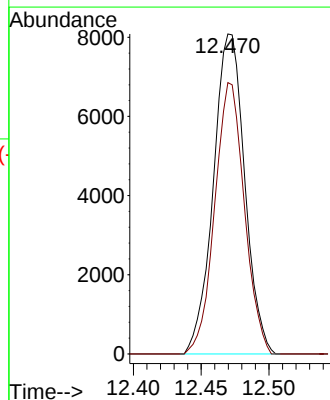
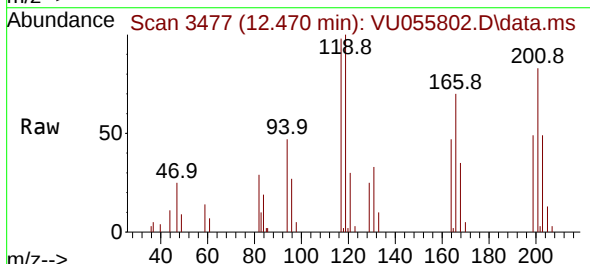
Manual Integrations
 APPROVED

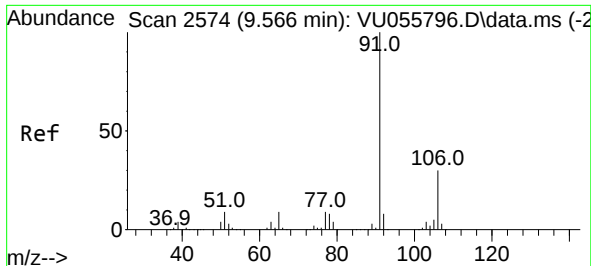
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#62
 Hexachloroethane
 Concen: 0.657 ug/l
 RT: 12.470 min Scan# 3477
 Delta R.T. -0.003 min
 Lab File: VU055802.D
 Acq: 18 Oct 2023 16:42

Tgt Ion:117 Resp: 13008
 Ion Ratio Lower Upper
 117 100
 201 80.0 59.6 89.4





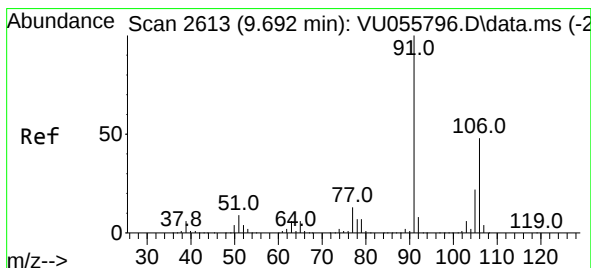
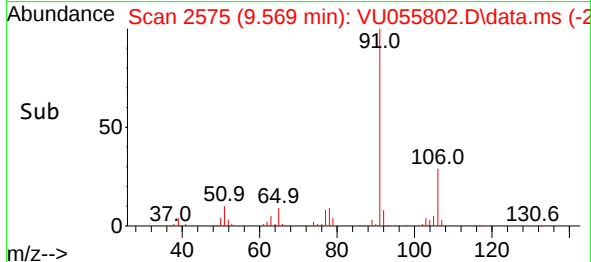
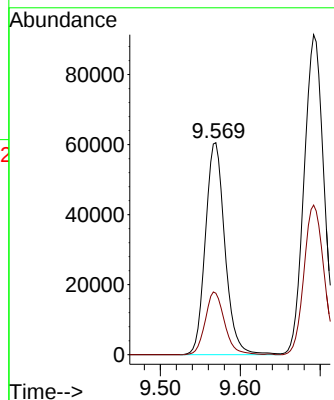
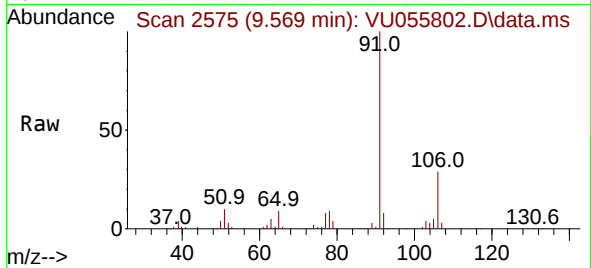
#63
Ethyl Benzene
Concen: 0.783 ug/l
RT: 9.569 min Scan# 2105
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion: 91 Resp: 10305
Ion Ratio Lower Upper
91 100
106 29.0 24.2 36.2

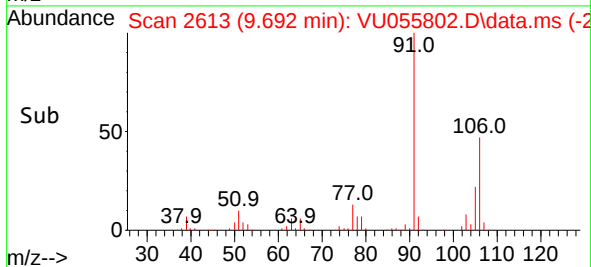
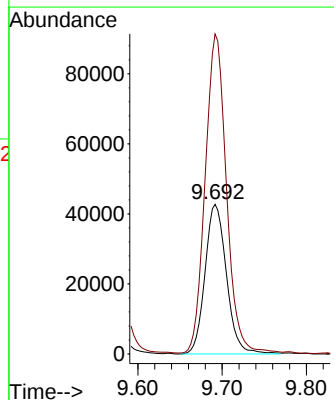
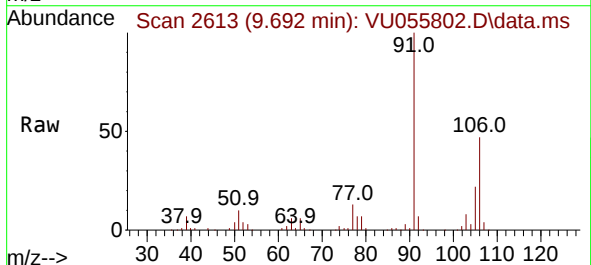
Manual Integrations
APPROVED

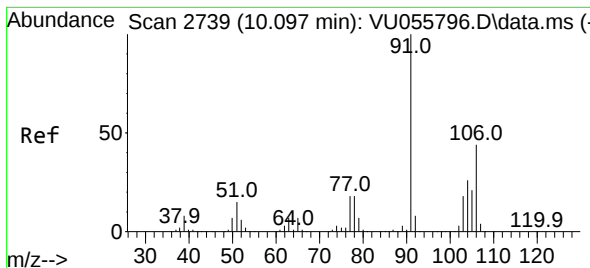
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#64
m/p-Xylenes
Concen: 1.498 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Tgt Ion:106 Resp: 75747
Ion Ratio Lower Upper
106 100
91 210.6 167.3 250.9





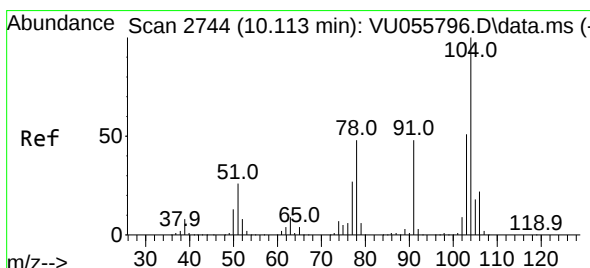
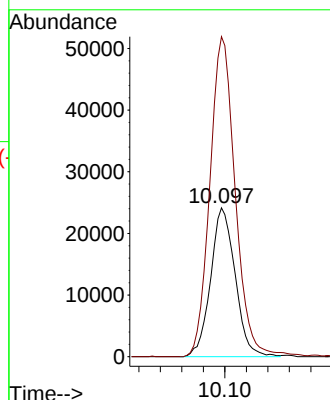
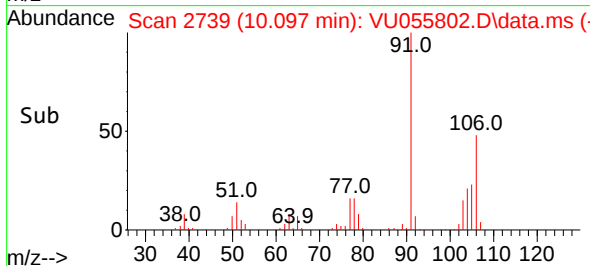
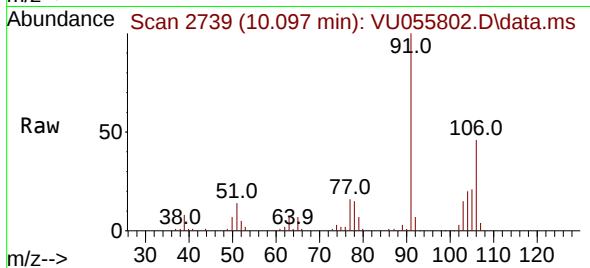
#65
o-Xylene
Concen: 0.771 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:106 Resp: 38250
Ion Ratio Lower Upper
106 100
91 222.6 109.3 327.9

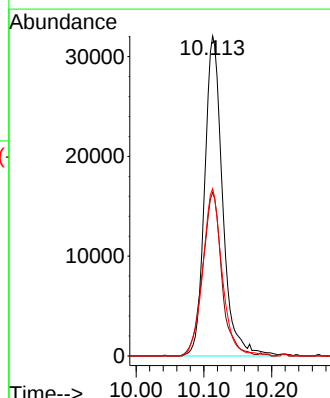
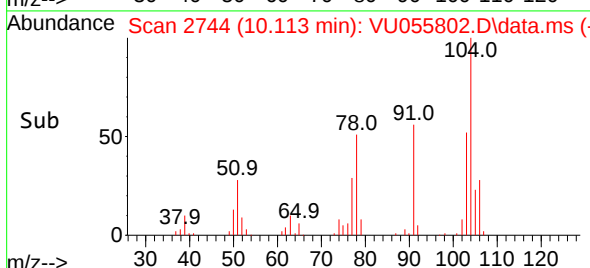
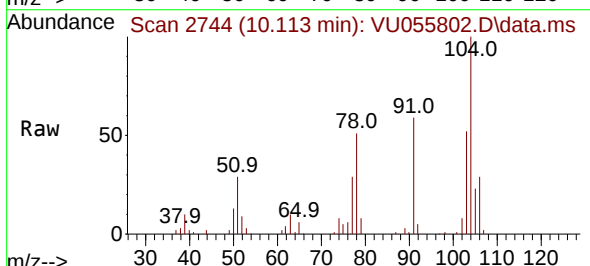
Manual Integrations
APPROVED

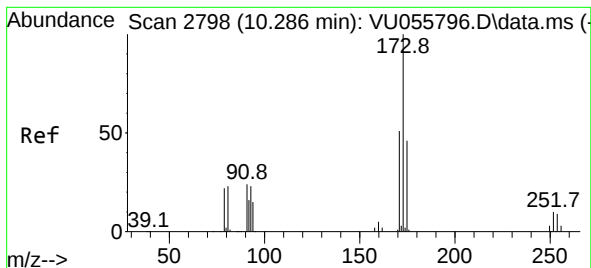
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#66
Styrene
Concen: 0.763 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Tgt Ion:104 Resp: 59242
Ion Ratio Lower Upper
104 100
78 54.6 39.7 59.5
103 56.0 44.8 67.2





#67

Bromoform

Concen: 0.779 ug/l

RT: 10.290 min Scan# 2798

Delta R.T. 0.004 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

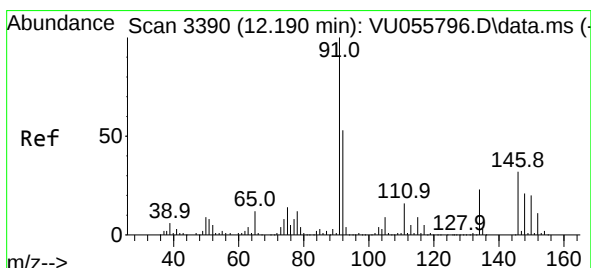
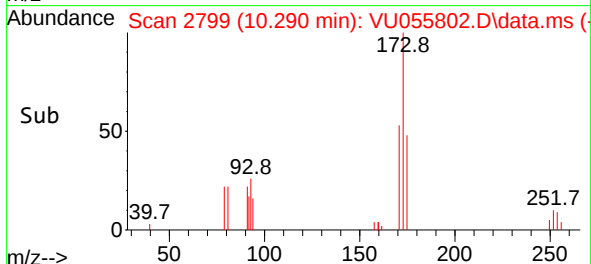
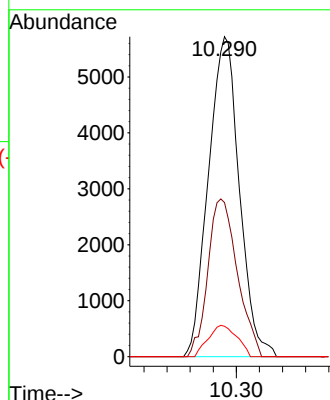
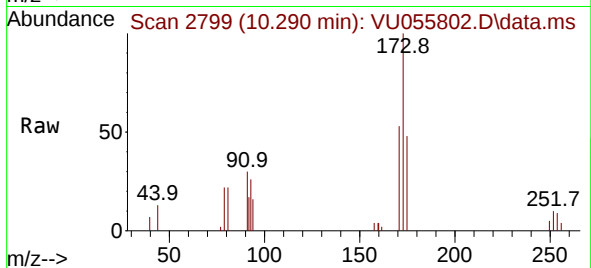
Tgt Ion:173 Resp: 10614
 Ion Ratio Lower Upper
 173 100
 175 47.0 39.0 58.6
 254 9.1 7.4 11.0

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#68

1,2-Dichlorobenzene-d4

Concen: 0.961 ug/l

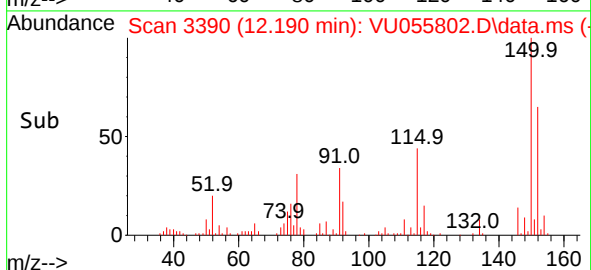
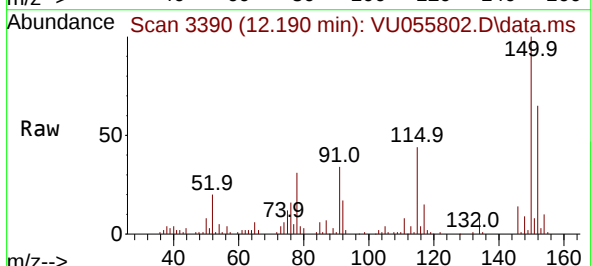
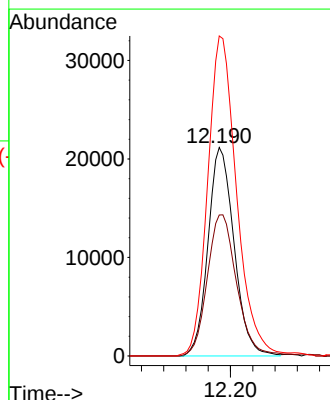
RT: 12.190 min Scan# 3390

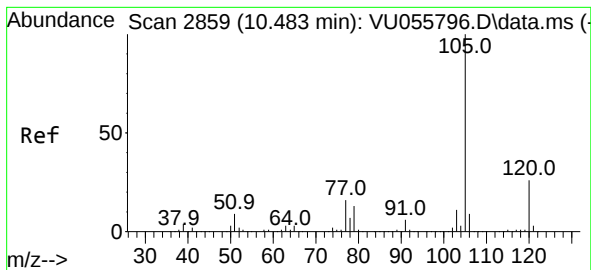
Delta R.T. -0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Tgt Ion:152 Resp: 34364
 Ion Ratio Lower Upper
 152 100
 115 76.4 0.0 308.8
 150 170.9 0.0 635.0





#69

Isopropylbenzene

Concen: 0.748 ug/l

RT: 10.483 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

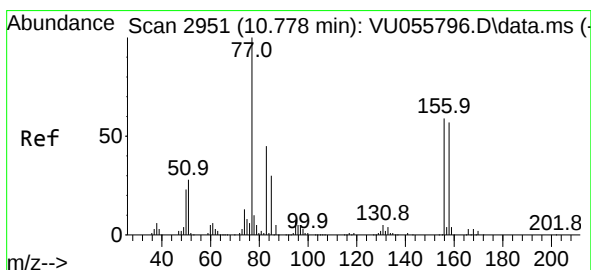
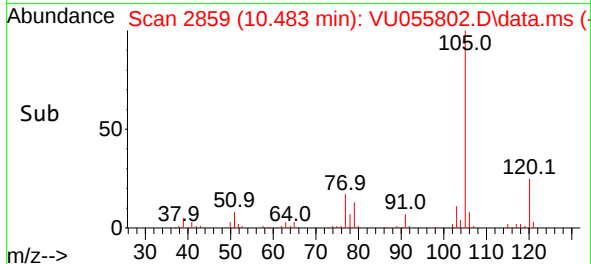
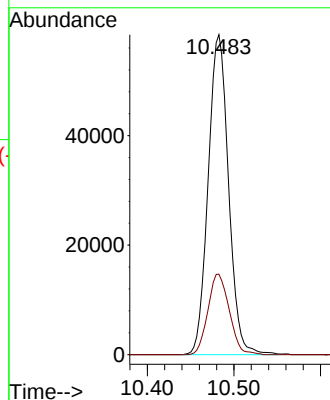
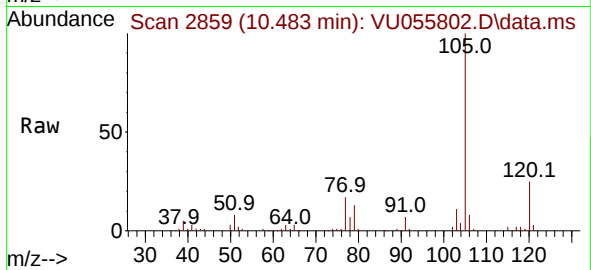
Tgt Ion:105 Resp: 95578
 Ion Ratio Lower Upper
 105 100
 120 26.3 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 0.863 ug/l

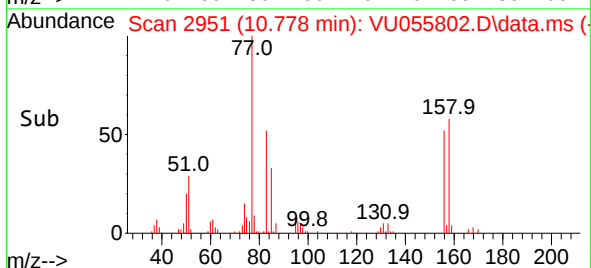
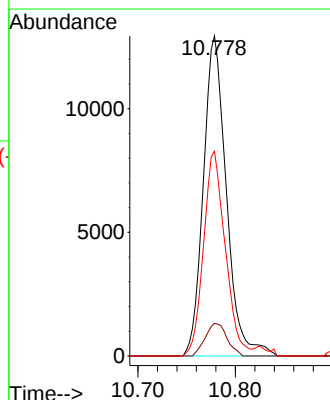
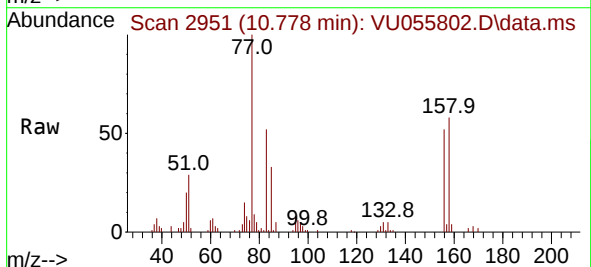
RT: 10.778 min Scan# 2951

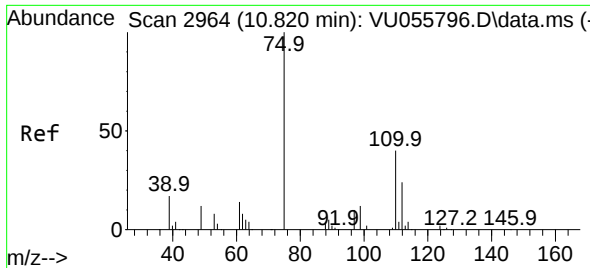
Delta R.T. 0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

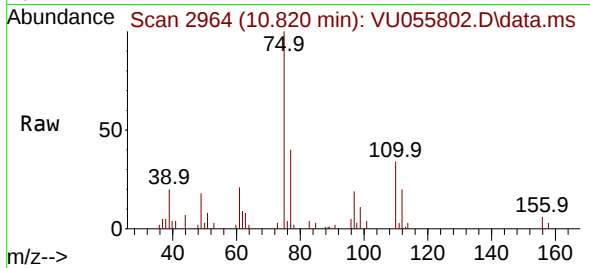
Tgt Ion: 83 Resp: 21219
 Ion Ratio Lower Upper
 83 100
 131 9.6 7.2 10.8
 85 60.4 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.827 ug/l m
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

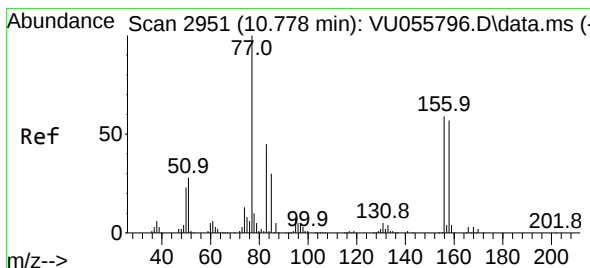
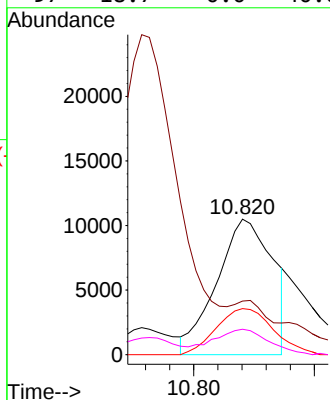
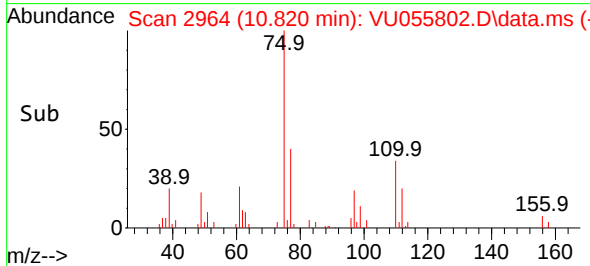
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



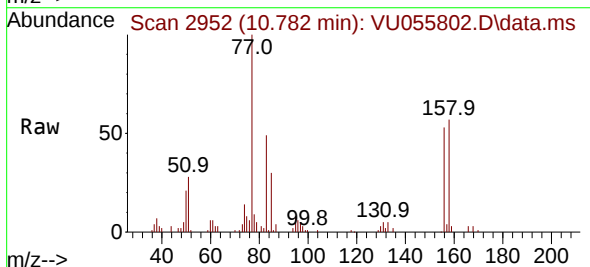
Tgt Ion: 75 Resp: 16849
Ion Ratio Lower Upper
75 100
77 0.0 0.0 116.4
110 34.8 0.0 74.6
97 18.7 0.0 40.0

Manual Integrations
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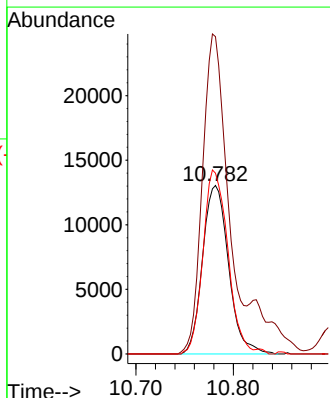
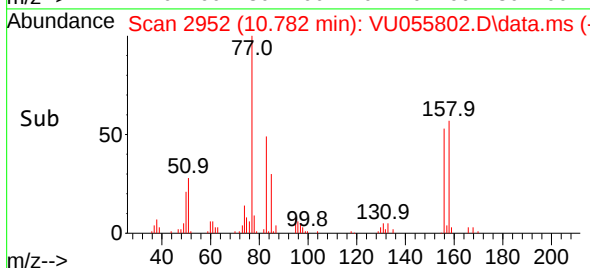
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

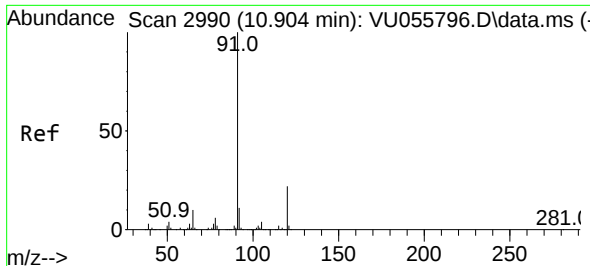


#72
Bromobenzene
Concen: 0.793 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



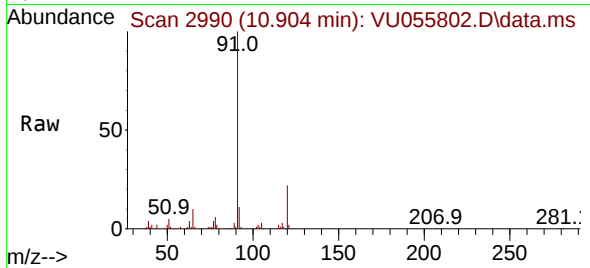
Tgt Ion:156 Resp: 24189
Ion Ratio Lower Upper
156 100
77 182.2 0.0 343.0
158 105.0 0.0 194.8





#73
n-propylbenzene
Concen: 0.687 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

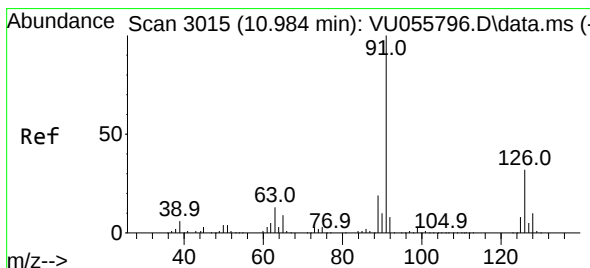
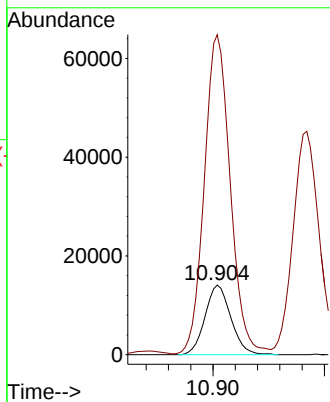
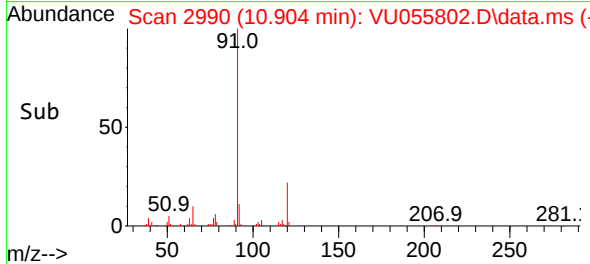
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023



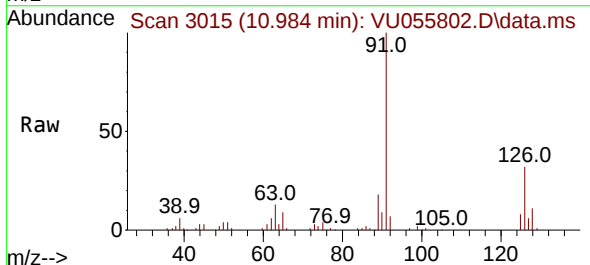
Tgt Ion:120 Resp: 22609
Ion Ratio Lower Upper
120 100
91 461.2 369.8 554.6

Manual Integrations
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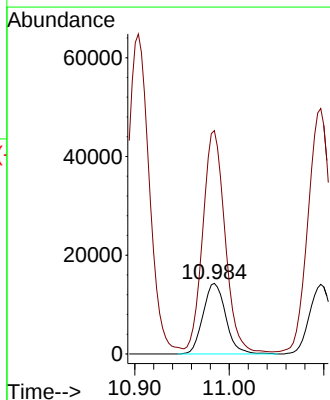
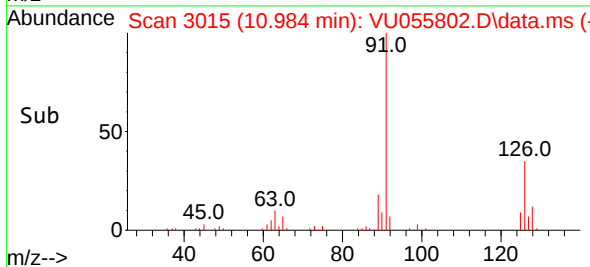
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

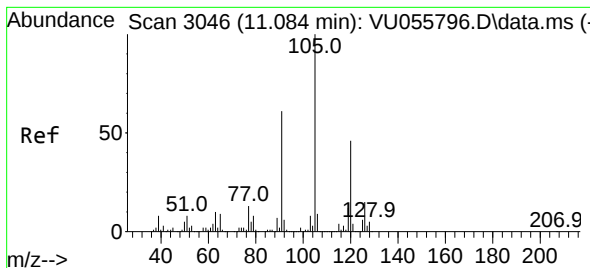


#74
2-Chlorotoluene
Concen: 0.778 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



Tgt Ion:126 Resp: 23840
Ion Ratio Lower Upper
126 100
91 309.6 0.0 610.0





#75

1,3,5-Trimethylbenzene

Concen: 0.725 ug/l

RT: 11.087 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion:105 Resp: 79150

Ion Ratio Lower Upper

105 100

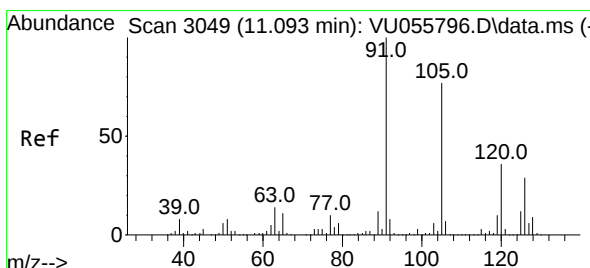
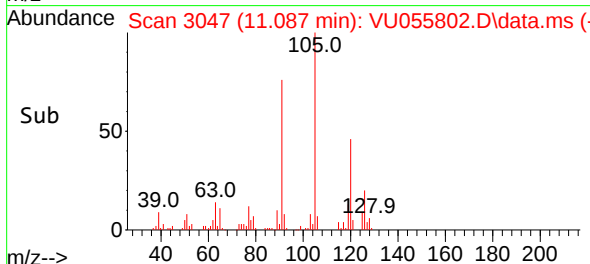
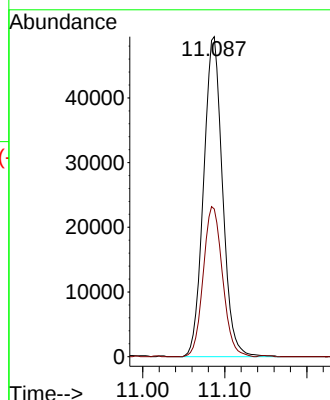
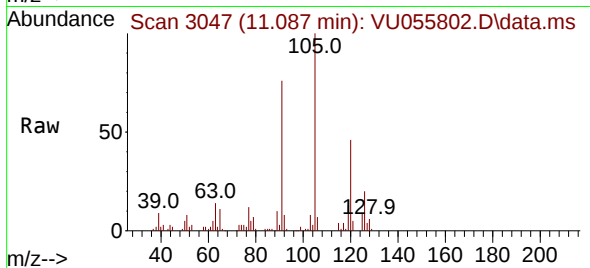
120 47.8 37.8 56.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#76

4-Chlorotoluene

Concen: 0.773 ug/l

RT: 11.097 min Scan# 3050

Delta R.T. 0.004 min

Lab File: VU055802.D

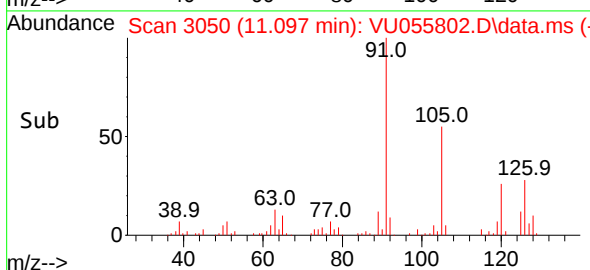
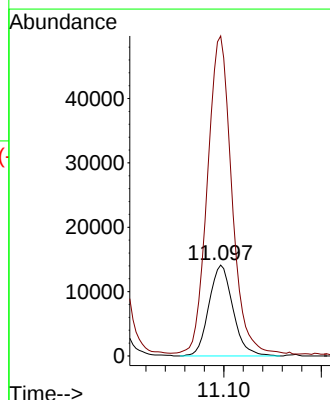
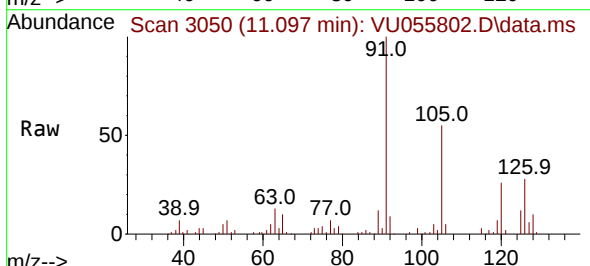
Acq: 18 Oct 2023 16:42

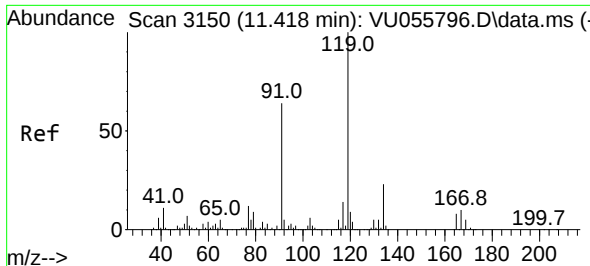
Tgt Ion:126 Resp: 24115

Ion Ratio Lower Upper

126 100

91 356.1 0.0 686.2





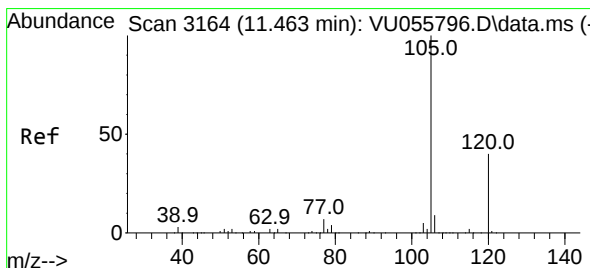
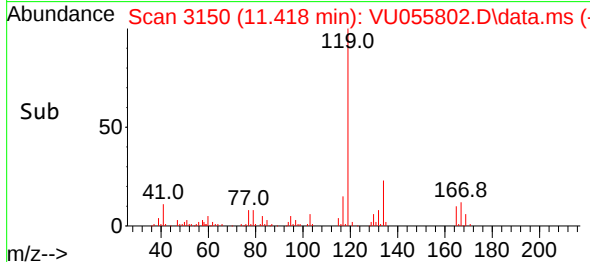
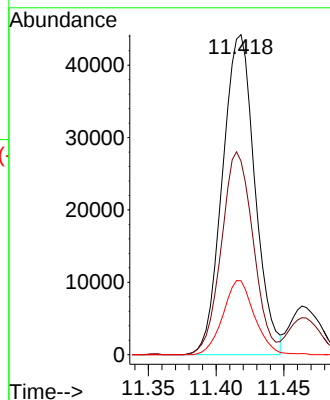
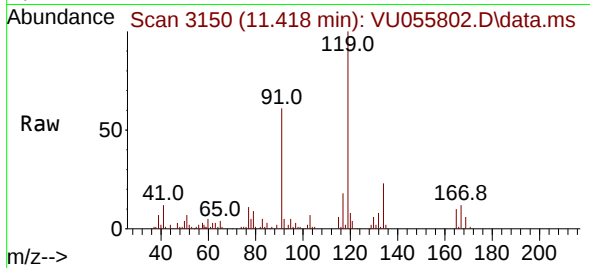
#77
tert-Butylbenzene
Concen: 0.735 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:119 Resp: 7359
Ion Ratio Lower Upper
119 100
91 62.1 30.8 92.4
134 22.6 18.0 27.0

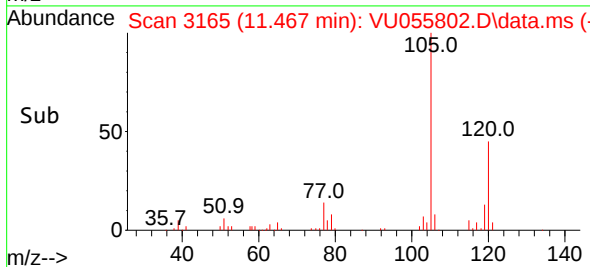
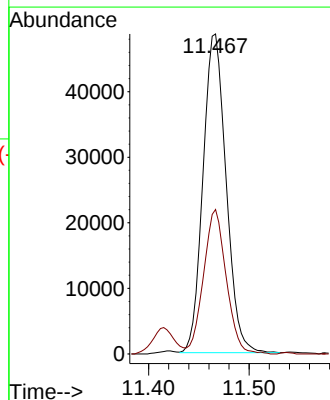
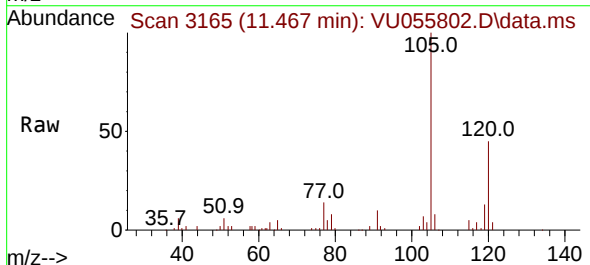
Manual Integrations
APPROVED

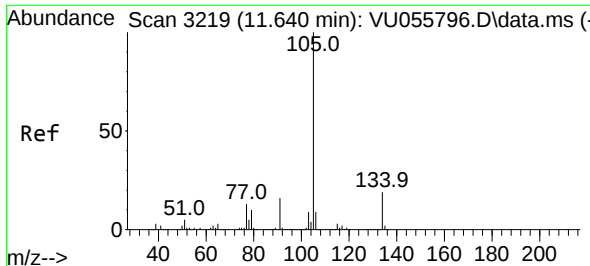
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.718 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

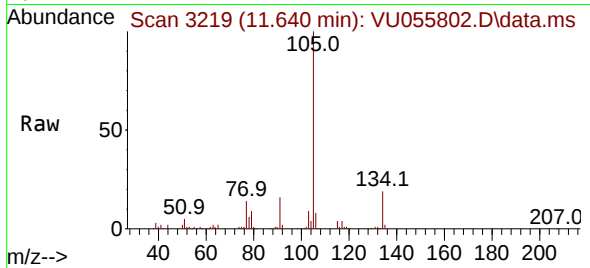
Tgt Ion:105 Resp: 77607
Ion Ratio Lower Upper
105 100
120 44.5 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 0.710 ug/l
 RT: 11.640 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU055802.D
 Acq: 18 Oct 2023 16:42

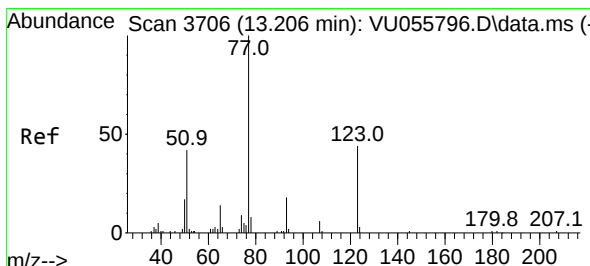
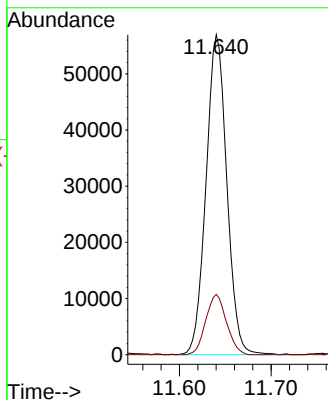
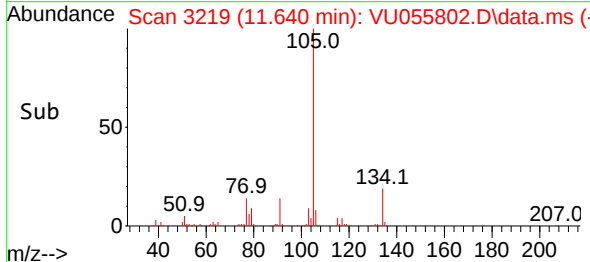
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023



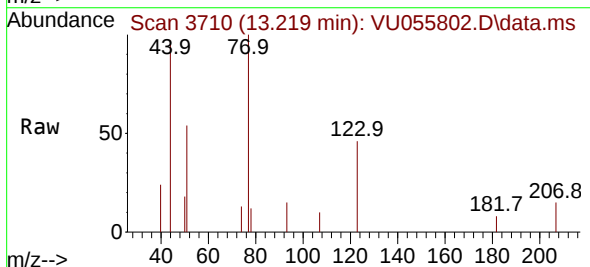
Tgt Ion:105 Resp: 89724
 Ion Ratio Lower Upper
 105 100
 134 18.7 14.9 22.3

Manual Integrations
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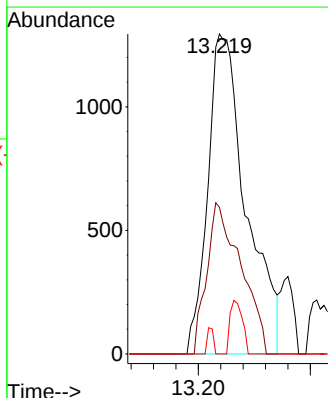
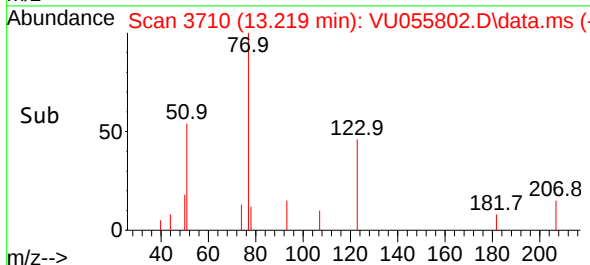
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

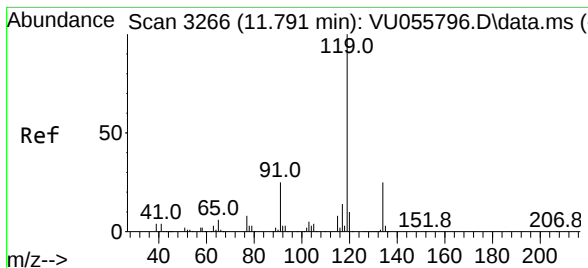


#80
 Nitrobenzene
 Concen: 4.717 ug/l m
 RT: 13.219 min Scan# 3710
 Delta R.T. 0.013 min
 Lab File: VU055802.D
 Acq: 18 Oct 2023 16:42



Tgt Ion: 77 Resp: 3068
 Ion Ratio Lower Upper
 77 100
 123 42.1 19.7 69.7
 65 1.3 11.5 14.7#





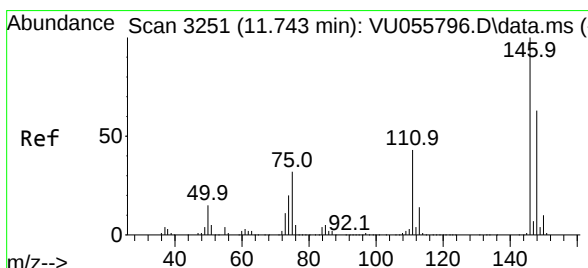
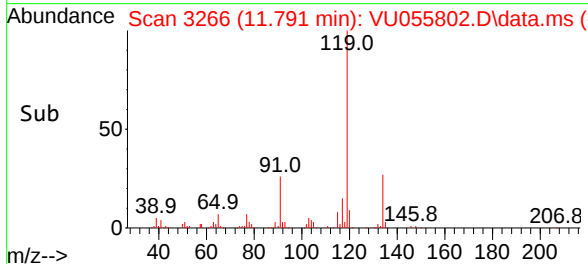
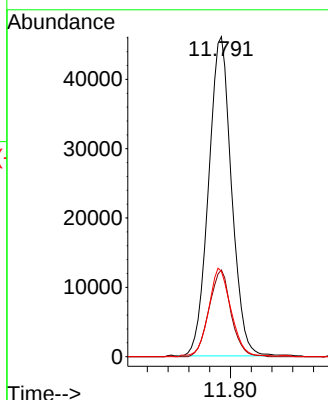
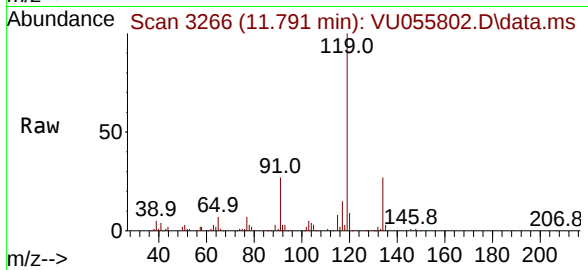
#81
p-Isopropyltoluene
Concen: 0.693 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:119 Resp: 70564
Ion Ratio Lower Upper
119 100
134 26.0 20.2 30.4
91 27.3 19.3 28.9

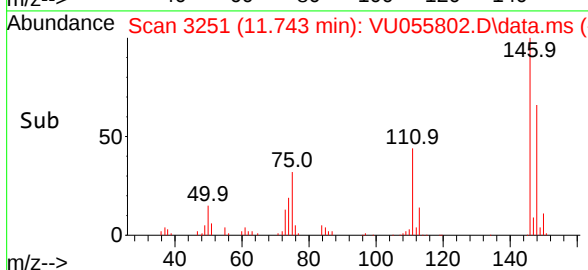
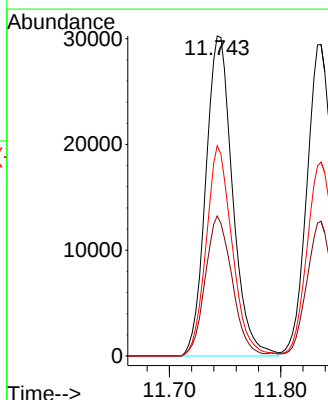
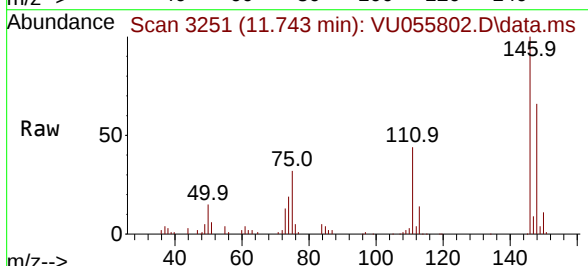
Manual Integrations
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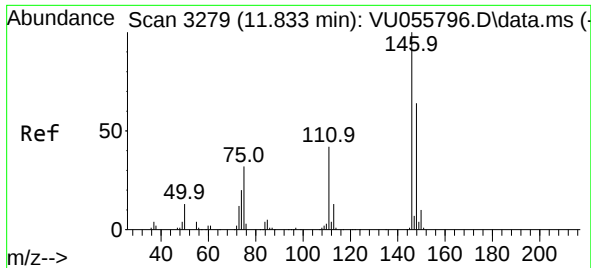
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#82
1,3-Dichlorobenzene
Concen: 0.814 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

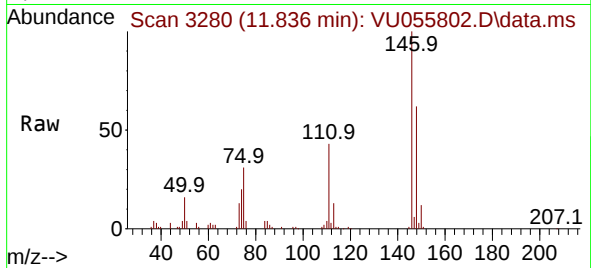
Tgt Ion:146 Resp: 50670
Ion Ratio Lower Upper
146 100
111 43.7 32.6 49.0
148 63.7 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 0.817 ug/l
RT: 11.836 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

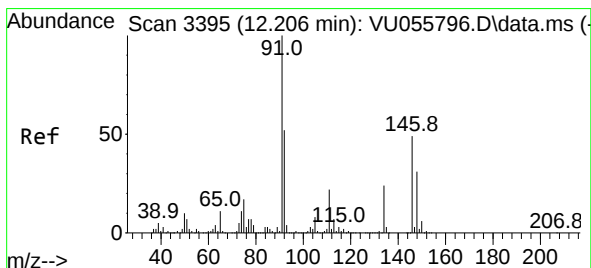
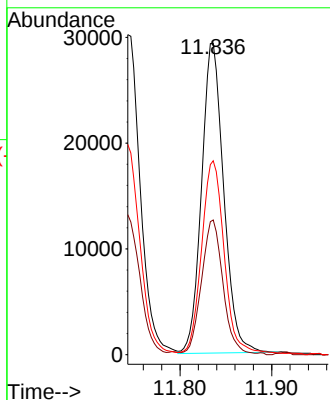
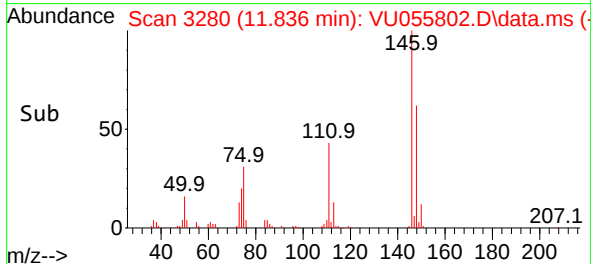
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



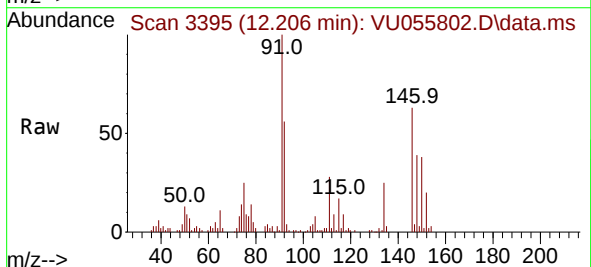
Tgt Ion:146 Resp: 4922
Ion Ratio Lower Upper
146 100
111 41.2 31.6 47.4
148 63.3 50.3 75.5

Manual Integrations
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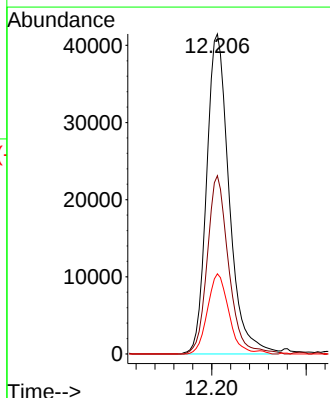
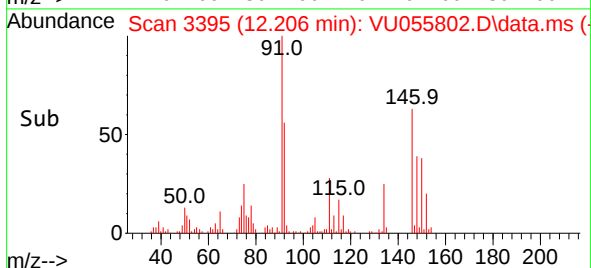
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

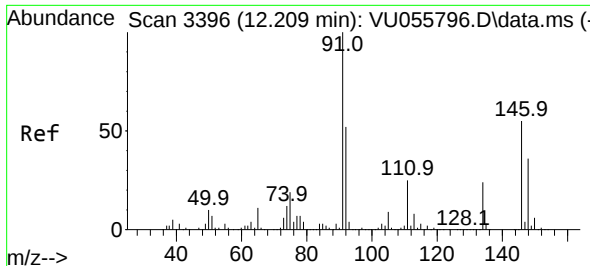


#84
n-Butylbenzene
Concen: 0.791 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



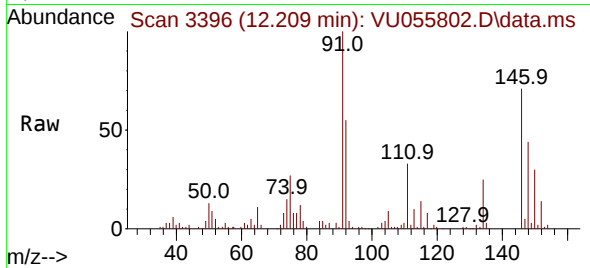
Tgt Ion: 91 Resp: 68613
Ion Ratio Lower Upper
91 100
92 53.0 40.8 61.2
134 23.6 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 0.843 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

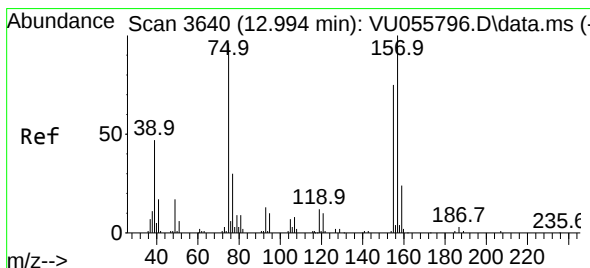
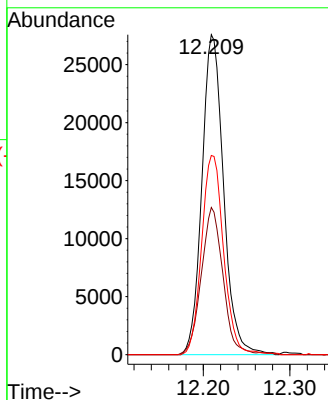
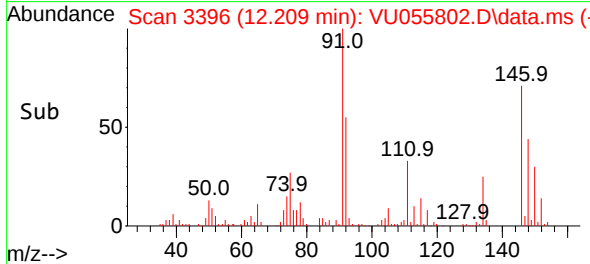
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023



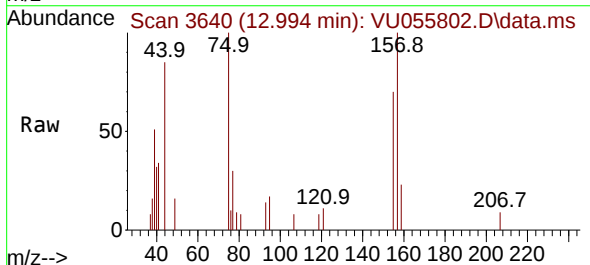
Tgt Ion:146 Resp: 4794
Ion Ratio Lower Upper
146 100
111 45.8 21.6 64.6
148 63.4 32.1 96.5

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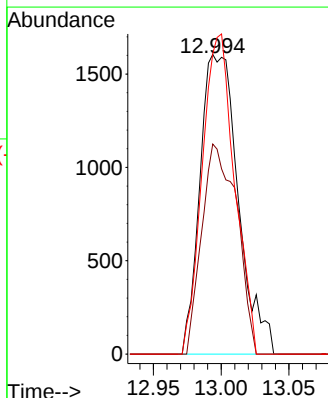
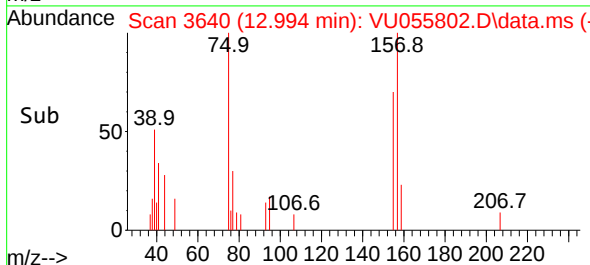
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

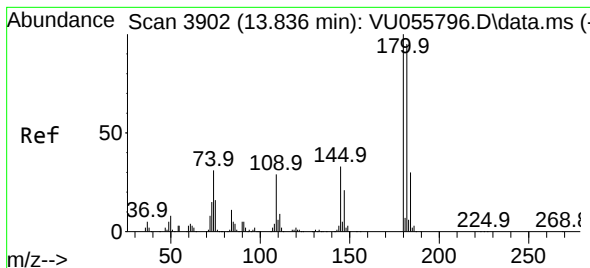


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.897 ug/l
RT: 12.994 min Scan# 3640
Delta R.T. -0.000 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42



Tgt Ion: 75 Resp: 3148
Ion Ratio Lower Upper
75 100
155 64.2 61.8 92.8
157 90.5 80.2 120.4





#87

1,2,4-Trichlorobenzene

Concen: 0.866 ug/l

RT: 13.839 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

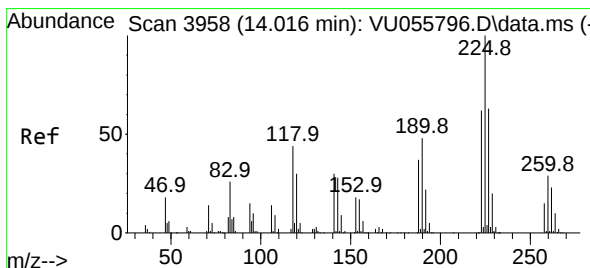
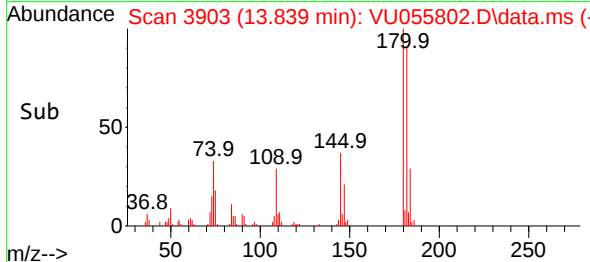
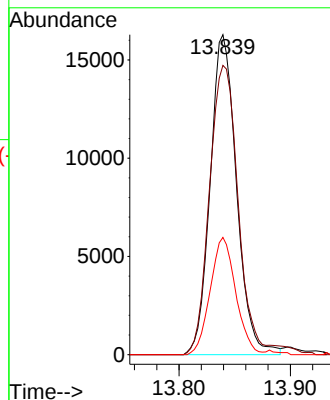
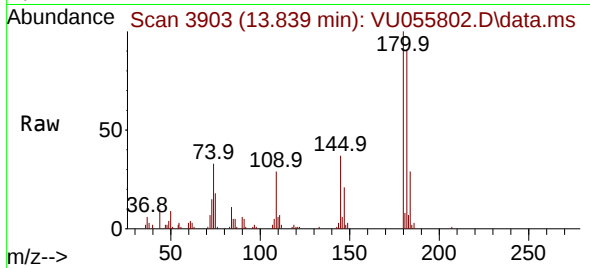
Tgt Ion:180	Resp:	26718
Ion Ratio	Lower	Upper
180	100	
182	100.3	75.8 113.6
145	35.6	23.9 35.9

Manual Integrations

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Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#88

Hexachlorobutadiene

Concen: 0.736 ug/l

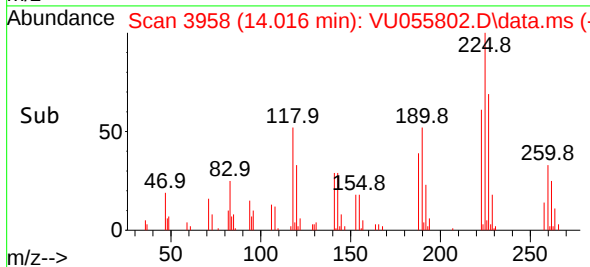
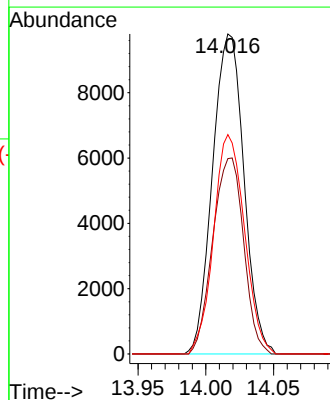
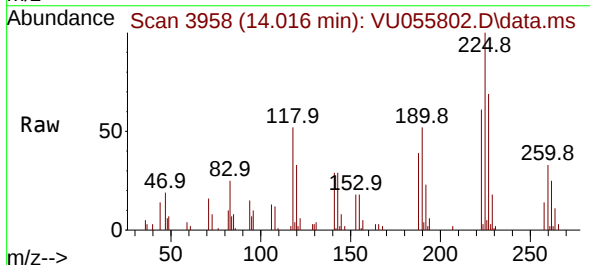
RT: 14.016 min Scan# 3958

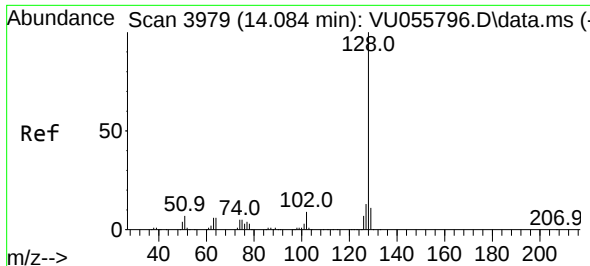
Delta R.T. 0.000 min

Lab File: VU055802.D

Acq: 18 Oct 2023 16:42

Tgt Ion:225	Resp:	15789
Ion Ratio	Lower	Upper
225	100	
223	60.3	50.2 75.4
227	67.4	51.5 77.3





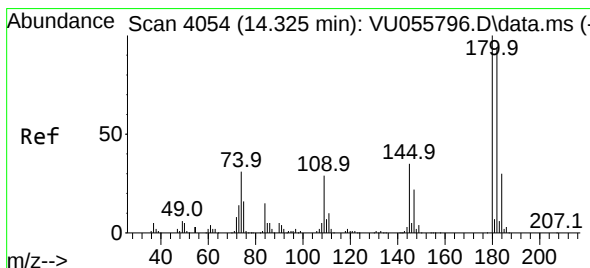
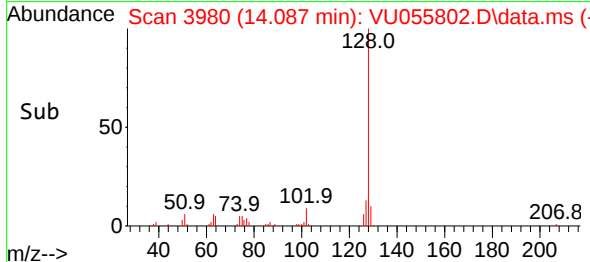
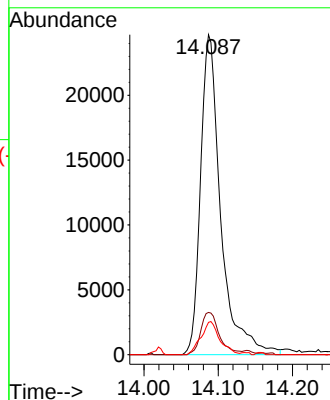
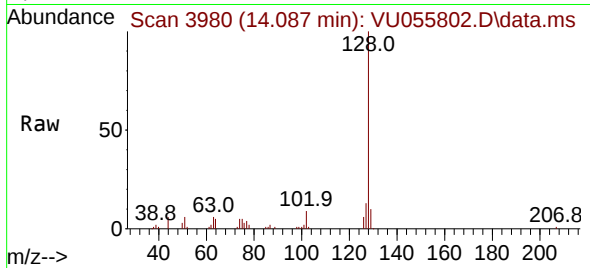
#89
Naphthalene
Concen: 1.039 ug/l
RT: 14.087 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023

Tgt Ion:128 Resp: 46629
Ion Ratio Lower Upper
128 100
127 12.2 10.9 16.3
129 9.6 8.6 12.8

Manual Integrations
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Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#90
1,2,3-Trichlorobenzene
Concen: 0.922 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU055802.D
Acq: 18 Oct 2023 16:42

Tgt Ion:180 Resp: 24428
Ion Ratio Lower Upper
180 100
182 94.2 75.7 113.5
145 35.4 26.1 39.1

