

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
 Data File : VU055815.D
 Acq On : 19 Oct 2023 17:41
 Operator : MD/SY
 Sample : 04699-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Oct 20 02:01:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 20 02:00:35 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/20/2023
 Supervised By : Mahesh Dadoda 10/25/2023

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

Internal Standards						
1) Fluorobenzene	6.113	96	95830	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	35418	0.937	ug/l	0.00
Spiked Amount 1.000			Recovery	=	94.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	34526	0.985	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	33683	0.905	ug/l	94
3) Chloromethane	1.518	50	33471	1.052	ug/l	98
4) Vinyl Chloride	1.602	62	34071	1.045	ug/l	97
5) Bromomethane	1.856	94	20210	1.126	ug/l	96
6) Chloroethane	1.930	64	19596	1.241	ug/l	97
7) Trichlorofluoromethane	2.136	101	44718	1.040	ug/l	95
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	28070	0.980	ug/l	96
9) 1,1-Dichloroethene	2.576	96	25518	0.955	ug/l	94
10) Iodomethane	2.718	142	36233	0.910	ug/l	94
11) Allyl Chloride	2.920	41	33107	0.953	ug/l	93
12) Acrylonitrile	3.332	53	9975	1.986	ug/l	97
13) Acetone	2.641	43	41038	3.830	ug/l	98
14) Carbon Disulfide	2.788	76	80348	0.921	ug/l	97
15) Methylene Chloride	3.039	84	44076	1.398	ug/l	95
16) trans-1,2-Dichloroethene	3.351	96	28327	1.000	ug/l	89
17) 1,1-Dichloroethane	3.866	63	51750	0.982	ug/l	97
18) 2-Butanone	4.721	43	40717	3.527	ug/l	98
19) Cyclohexane	5.386	56	42053m	0.936	ug/l	
20) Methylcyclohexane	6.759	83	43016	0.921	ug/l	98
21) 2,2-Dichloropropane	4.660	77	41673	0.939	ug/l	96
22) cis-1,2-Dichloroethene	4.666	96	29417	0.974	ug/l	99
23) Diethyl Ether	2.374	59	18334	1.147	ug/l	97
24) tert-Butyl Alcohol	3.239	59	17056m	10.407	ug/l	
25) Methyl tert-Butyl Ether	3.358	73	56619	0.984	ug/l	97
26) Bromochloromethane	4.972	128	12524	0.979	ug/l	98
27) Chloroform	5.087	83	53590	0.991	ug/l	98
28) 1,1,1-Trichloroethane	5.312	97	47524	0.981	ug/l	98
29) 1,1-Dichloropropene	5.525	75	36113	0.941	ug/l	98
30) Carbon Tetrachloride	5.521	117	39884	0.943	ug/l	96
31) Isopropyl Ether	3.988	45	69057	0.976	ug/l	98
32) Ethyl-t-butyl ether	4.499	59	65693	0.961	ug/l	97
33) Tert-Amyl methyl ether	5.936	73	53613	0.916	ug/l	99
34) Propionitrile	4.801	54	8579m	4.697	ug/l	
35) Benzene	5.772	78	112903	0.971	ug/l	98
36) 1,2-Dichloroethane	5.795	62	32869	1.041	ug/l	99
37) Trichloroethene	6.541	130	29615	0.979	ug/l	97
38) 1,2-Dichloropropane	6.788	63	27683	0.912	ug/l	96
39) Methacrylonitrile	4.994	41	6565	0.964	ug/l #	93
40) Methyl acrylate	4.866	55	8736	0.796	ug/l #	77
41) Tetrahydrofuran	5.065	42	7419	1.923	ug/l	95
42) 1-Chlorobutane	5.457	56	47124	0.921	ug/l	94
43) Dibromomethane	6.917	93	14717	1.020	ug/l	95
44) Bromodichloromethane	7.103	83	36359	0.953	ug/l #	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101923\
 Data File : VU055815.D
 Acq On : 19 Oct 2023 17:41
 Operator : MD/SY
 Sample : 04699-08
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

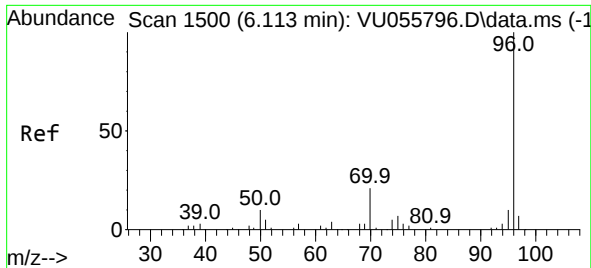
Quant Time: Oct 20 02:01:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Fri Oct 20 02:00:35 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023

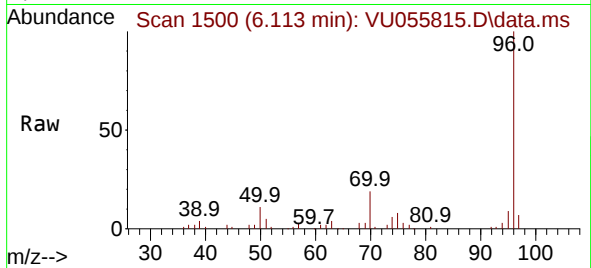
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	68723	4.605	ug/l	97
46) t-1,4-Dichloro-2-butene	10.833	75	8421m	1.418	ug/l	
47) Methyl methacrylate	6.962	69	21794	1.831	ug/l	96
48) Ethyl methacrylate	8.335	69	19933	0.882	ug/l	93
49) Toluene	7.968	92	66518	0.967	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	31510	0.934	ug/l	99
51) cis-1,3-Dichloropropene	7.605	75	38056	0.921	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	20368	0.988	ug/l	98
53) 1,3-Dichloropropane	8.573	76	34753	0.987	ug/l	99
54) 2-Hexanone	8.685	43	57602	3.445	ug/l	96
55) Dibromochloromethane	8.807	129	22756	0.915	ug/l	99
56) 1,2-Dibromoethane	8.923	107	17898	0.950	ug/l	93
58) Tetrachloroethene	8.550	164	32568	1.035	ug/l	96
59) Chlorobenzene	9.447	112	72847	0.959	ug/l	100
60) 1,1,1,2-Tetrachloroethane	9.531	131	24917	0.920	ug/l	99
61) Pentachloroethane	11.422	117	17299	0.944	ug/l	99
62) Hexachloroethane	12.470	117	16408	0.846	ug/l	97
63) Ethyl Benzene	9.570	91	120162	0.932	ug/l	98
64) m/p-Xylenes	9.692	106	89499	1.805	ug/l	97
65) o-Xylene	10.100	106	45649	0.938	ug/l	95
66) Styrene	10.113	104	67582	0.888	ug/l	94
67) Bromoform	10.290	173	12821	0.960	ug/l	100
69) Isopropylbenzene	10.483	105	116892	0.933	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	23777	0.987	ug/l	99
71) 1,2,3-Trichloropropane	10.820	75	16961m	0.849	ug/l	
72) Bromobenzene	10.782	156	29010	0.971	ug/l	99
73) n-propylbenzene	10.904	120	28150	0.873	ug/l	95
74) 2-Chlorotoluene	10.984	126	27830	0.927	ug/l	89
75) 1,3,5-Trimethylbenzene	11.084	105	96488	0.901	ug/l	100
76) 4-Chlorotoluene	11.097	126	29438	0.962	ug/l	99
77) tert-Butylbenzene	11.418	119	86611	0.883	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	92222	0.870	ug/l	100
79) sec-Butylbenzene	11.640	105	106919	0.863	ug/l	99
80) Nitrobenzene	13.232	77	2350m	3.686	ug/l	
81) p-Isopropyltoluene	11.791	119	81684	0.819	ug/l	97
82) 1,3-Dichlorobenzene	11.743	146	58790	0.964	ug/l	98
83) 1,4-Dichlorobenzene	11.836	146	56804	0.962	ug/l	98
84) n-Butylbenzene	12.206	91	76162	0.895	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	53823	0.966	ug/l	96
86) 1,2-Dibromo-3-Chloropr...	12.997	75	3335	0.969	ug/l	86
87) 1,2,4-Trichlorobenzene	13.839	180	28466	0.941	ug/l	97
88) Hexachlorobutadiene	14.016	225	18247	0.868	ug/l	97
89) Naphthalene	14.087	128	38015	0.865	ug/l	99
90) 1,2,3-Trichlorobenzene	14.328	180	24335	0.938	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
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

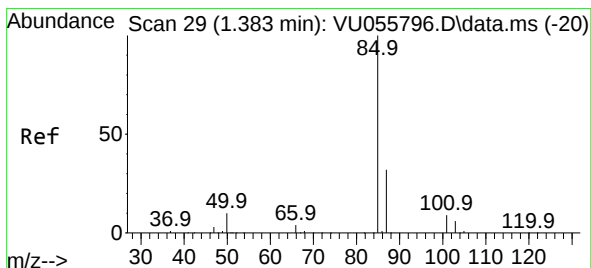
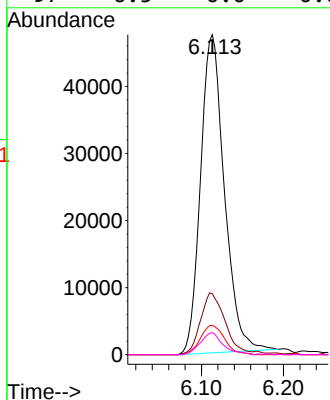
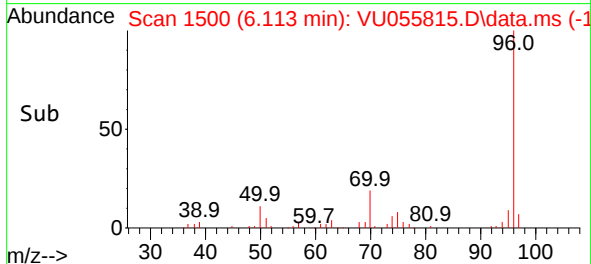
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023



Tgt Ion: 96	Resp: 95830
Ion Ratio	Lower Upper
96 100	
70 18.7	16.5 24.7
95 9.3	7.4 11.0
97 6.5	0.0 0.0#

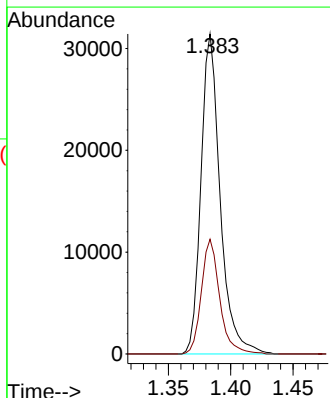
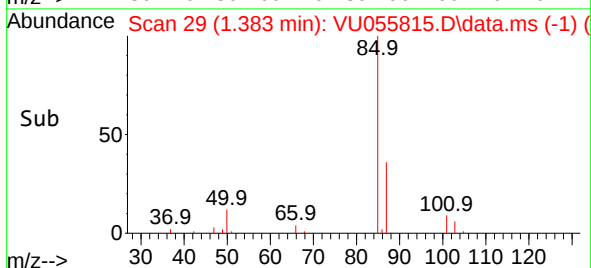
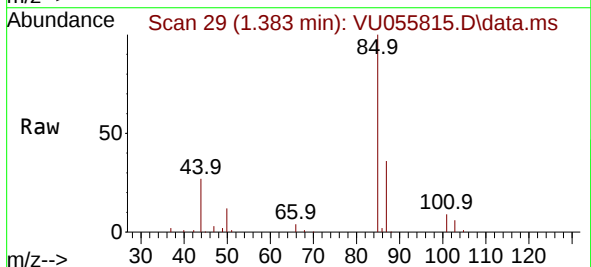
Manual Integrations
APPROVED

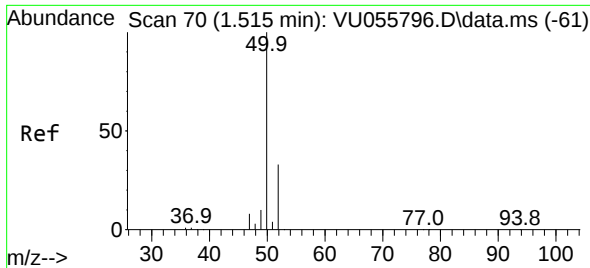
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#2
Dichlorodifluoromethane
Concen: 0.905 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

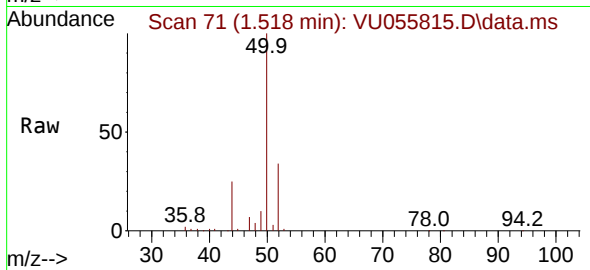
Tgt Ion: 85	Resp: 33683
Ion Ratio	Lower Upper
85 100	
87 35.9	16.2 48.6





#3
Chloromethane
Concen: 1.052 ug/l
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

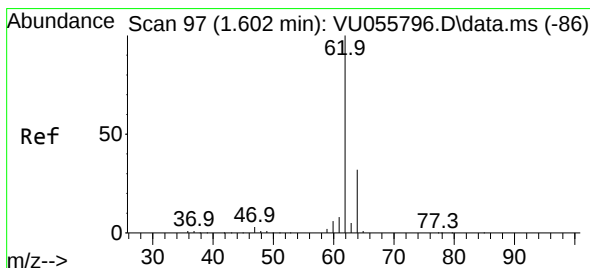
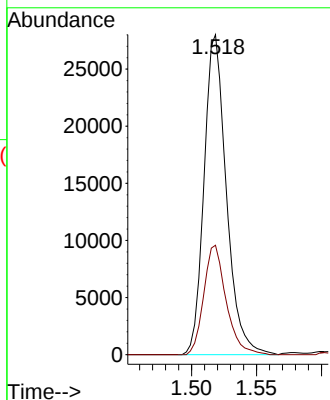
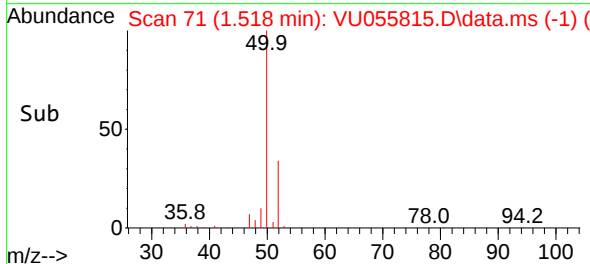
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 50 Resp: 3347
Ion Ratio Lower Upper
50 100
52 34.2 26.6 40.0

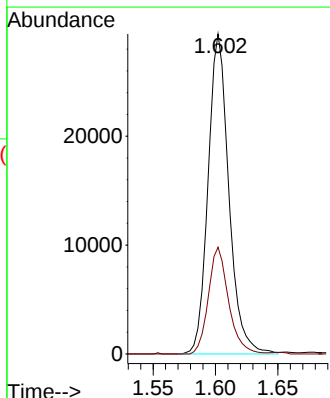
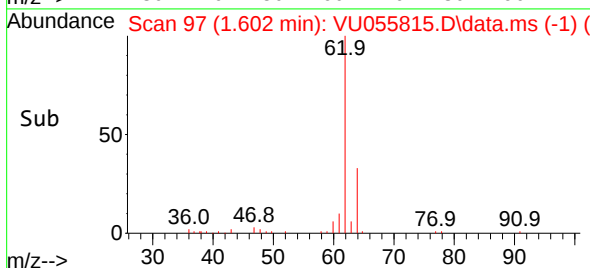
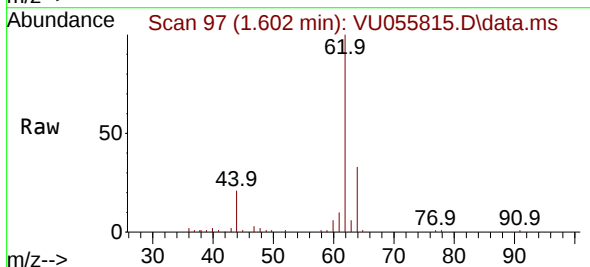
Manual Integrations
APPROVED

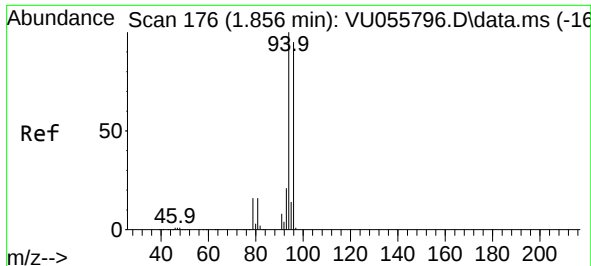
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#4
Vinyl Chloride
Concen: 1.045 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

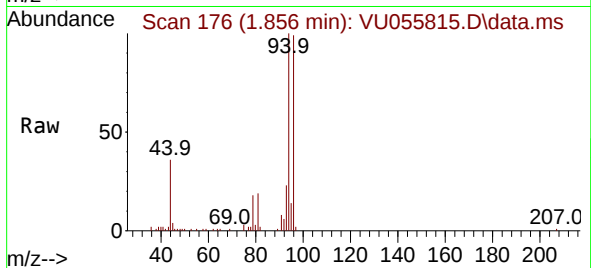
Tgt Ion: 62 Resp: 34071
Ion Ratio Lower Upper
62 100
64 33.3 25.4 38.2





#5
Bromomethane
Concen: 1.126 ug/l
RT: 1.856 min Scan# 176
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

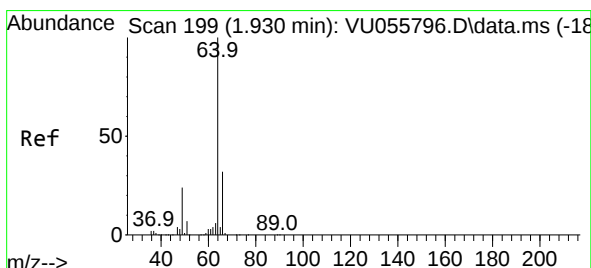
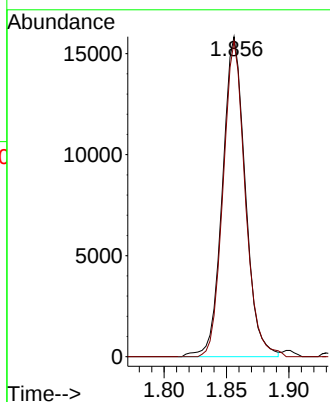
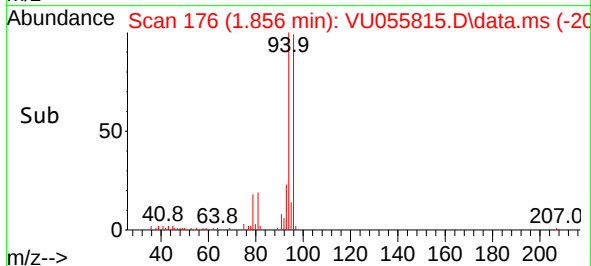
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 94 Resp: 20210
Ion Ratio Lower Upper
94 100
96 98.5 75.4 113.2

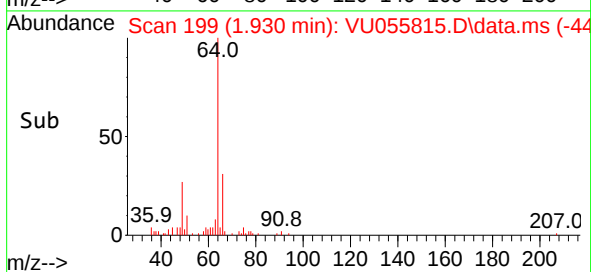
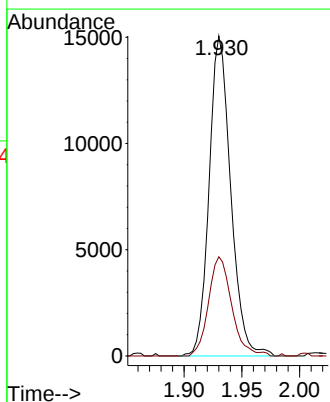
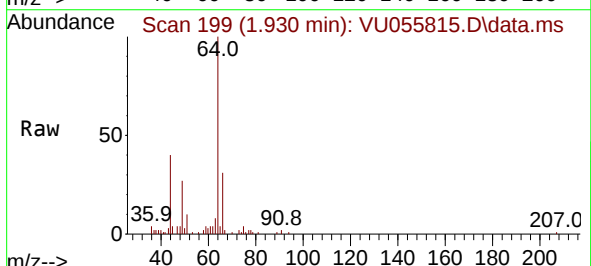
Manual Integrations
APPROVED

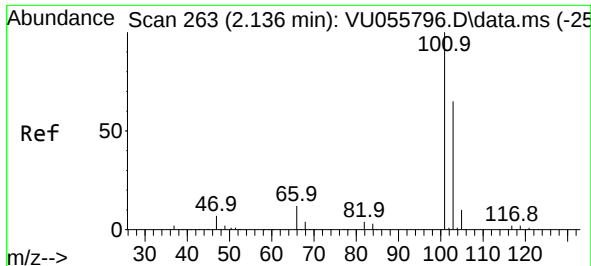
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#6
Chloroethane
Concen: 1.241 ug/l
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

Tgt Ion: 64 Resp: 19596
Ion Ratio Lower Upper
64 100
66 31.0 26.0 39.0





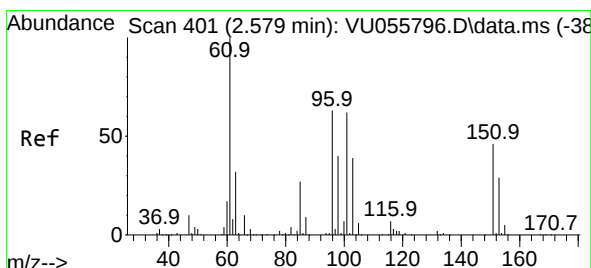
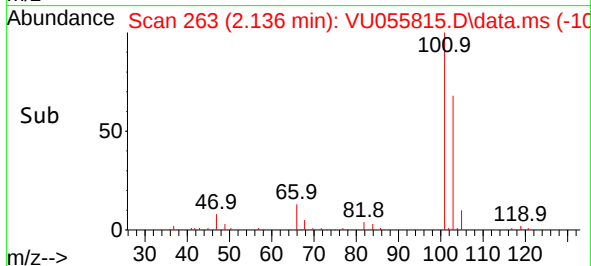
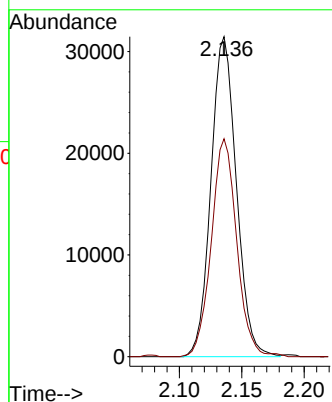
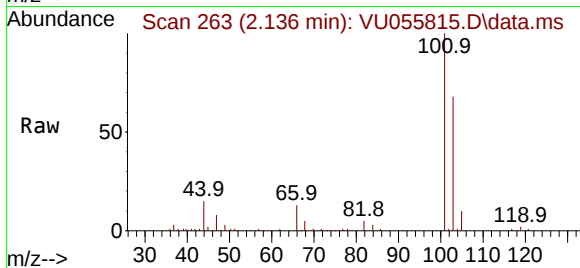
#7
 Trichlorofluoromethane
 Concen: 1.040 ug/l
 RT: 2.136 min Scan# 263
 Delta R.T. -0.000 min
 Lab File: VU055815.D
 Acq: 19 Oct 2023 17:41

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

Tgt Ion:101 Resp: 44718
 Ion Ratio Lower Upper
 101 100
 103 68.1 51.4 77.0

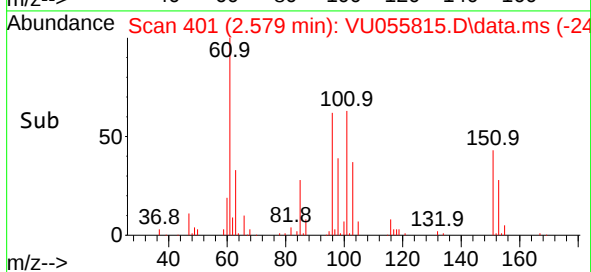
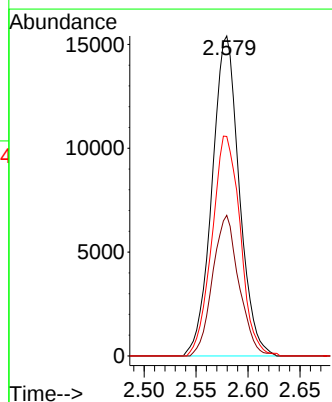
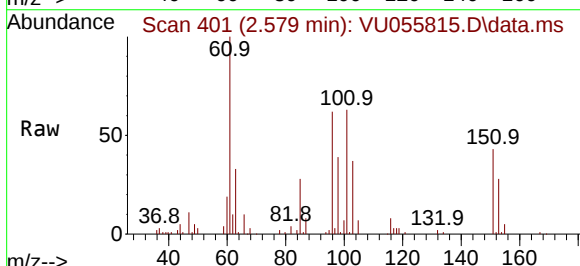
Manual Integrations
 APPROVED

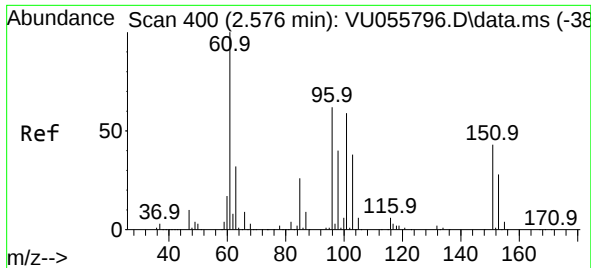
Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.980 ug/l
 RT: 2.579 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: VU055815.D
 Acq: 19 Oct 2023 17:41

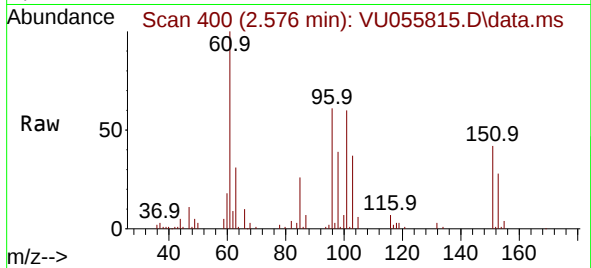
Tgt Ion:101 Resp: 28070
 Ion Ratio Lower Upper
 101 100
 85 42.6 35.4 53.0
 151 71.4 54.0 81.0





#9
1,1-Dichloroethene
Concen: 0.955 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

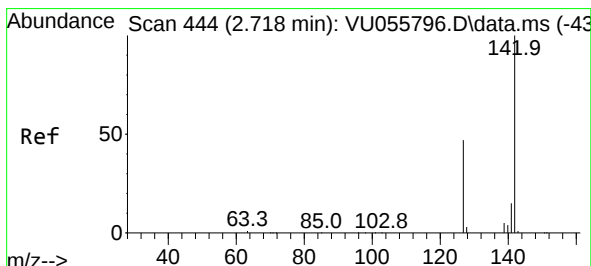
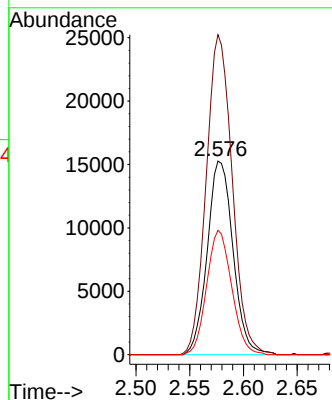
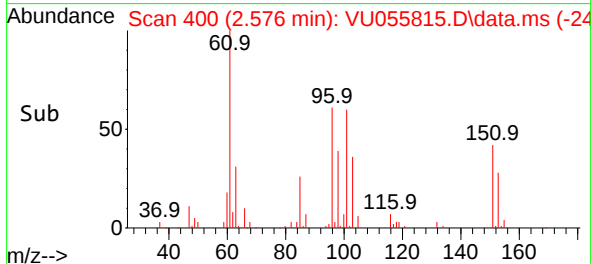
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



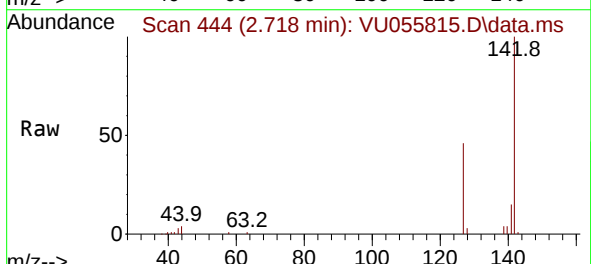
Tgt Ion: 96 Resp: 25518
Ion Ratio Lower Upper
96 100
61 165.3 0.0 521.4
98 66.4 0.0 125.8

Manual Integrations
APPROVED

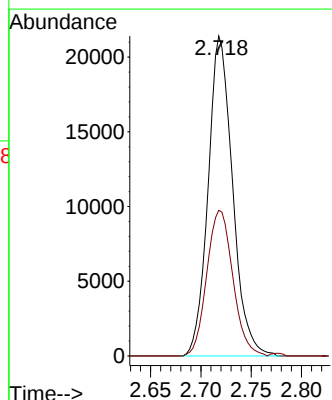
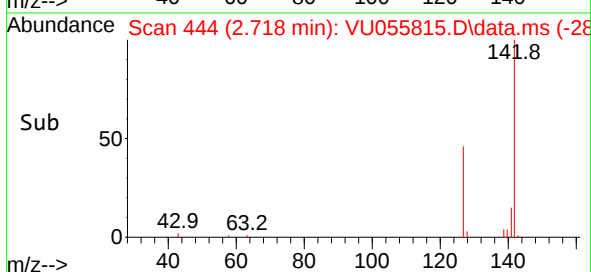
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

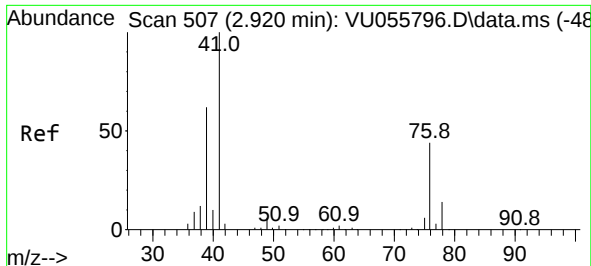


#10
Iodomethane
Concen: 0.910 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



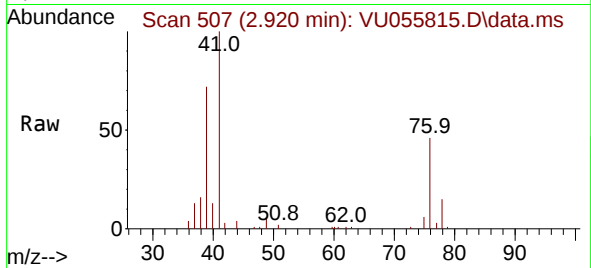
Tgt Ion:142 Resp: 36233
Ion Ratio Lower Upper
142 100
127 48.5 35.9 53.9





#11
 Allyl Chloride
 Concen: 0.953 ug/l
 RT: 2.920 min Scan# 507
 Delta R.T. 0.000 min
 Lab File: VU055815.D
 Acq: 19 Oct 2023 17:41

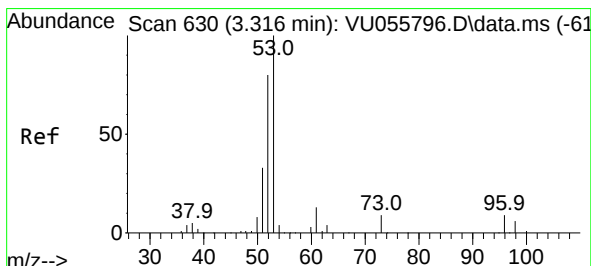
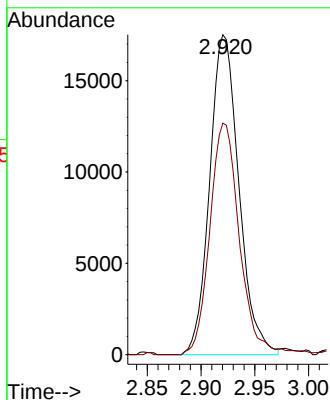
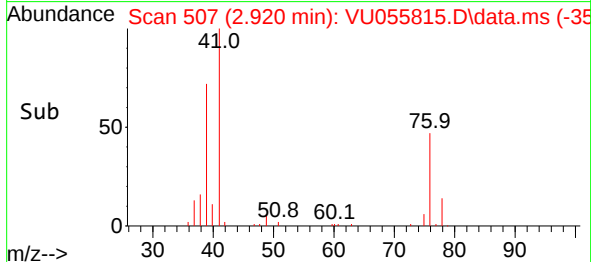
Instrument :
 MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023



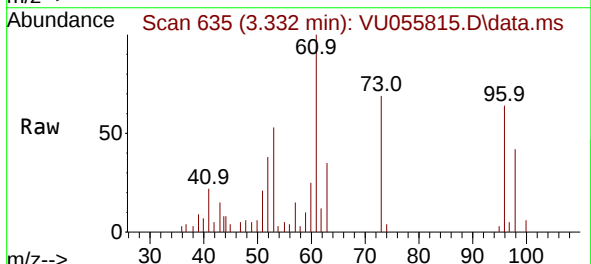
Tgt Ion: 41 Resp: 3310
 Ion Ratio Lower Upper
 41 100
 39 73.6 54.2 81.2

Manual Integrations
 APPROVED

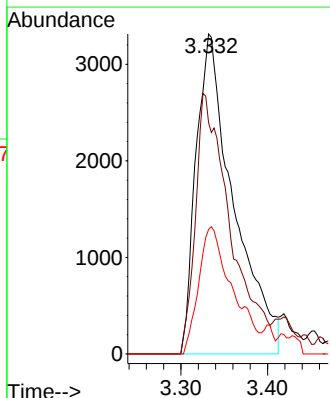
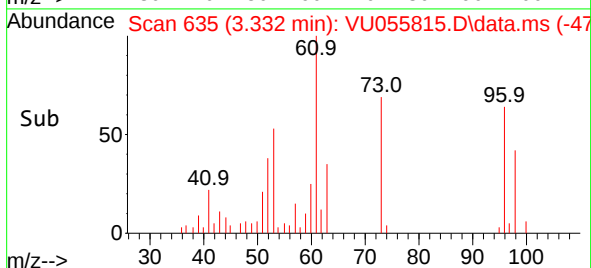
Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023

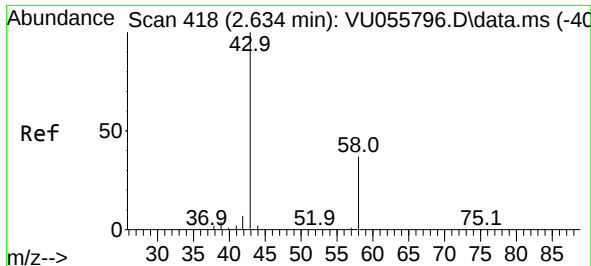


#12
 Acrylonitrile
 Concen: 1.986 ug/l
 RT: 3.332 min Scan# 635
 Delta R.T. 0.016 min
 Lab File: VU055815.D
 Acq: 19 Oct 2023 17:41



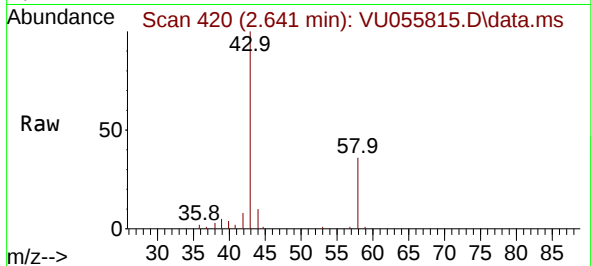
Tgt Ion: 53 Resp: 9975
 Ion Ratio Lower Upper
 53 100
 52 75.6 62.9 94.3
 51 36.2 27.8 41.6





#13
Acetone
Concen: 3.830 ug/l
RT: 2.641 min Scan# 418
Delta R.T. 0.007 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

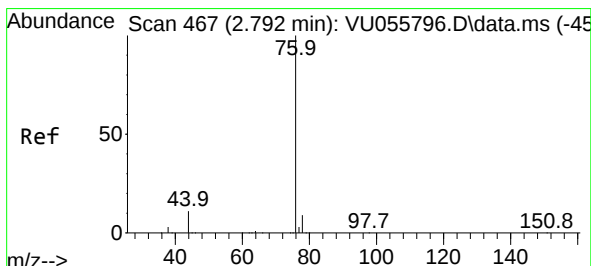
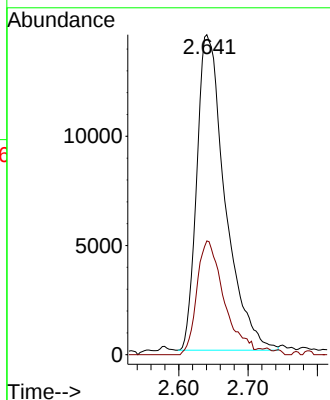
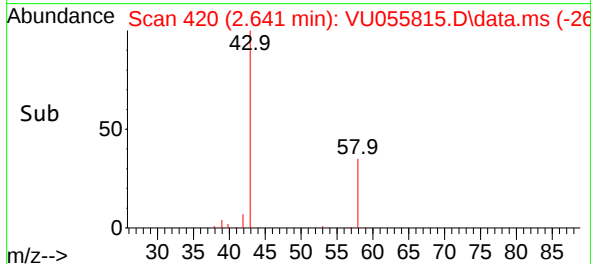
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 43 Resp: 41038
Ion Ratio Lower Upper
43 100
58 35.2 29.0 43.4

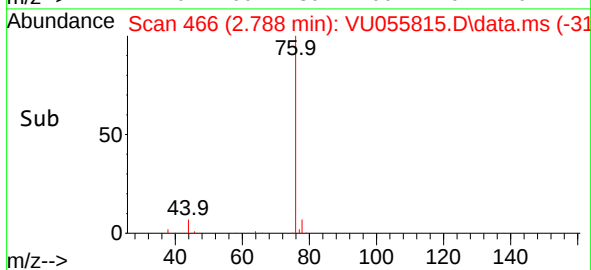
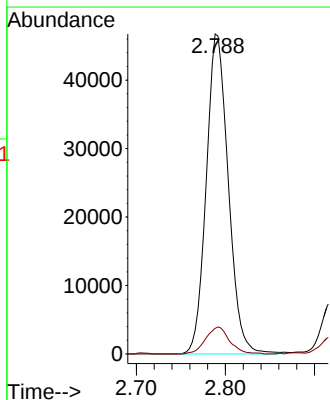
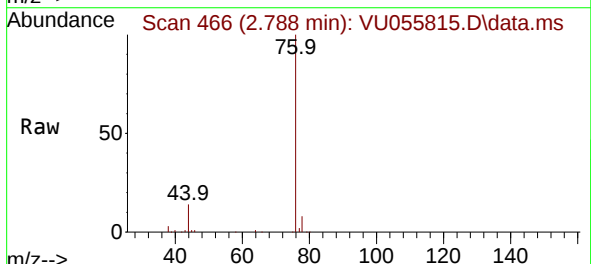
Manual Integrations
APPROVED

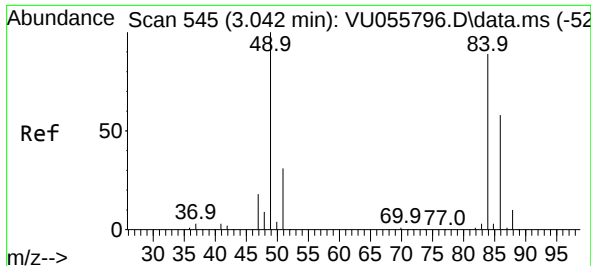
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#14
Carbon Disulfide
Concen: 0.921 ug/l
RT: 2.788 min Scan# 466
Delta R.T. -0.004 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

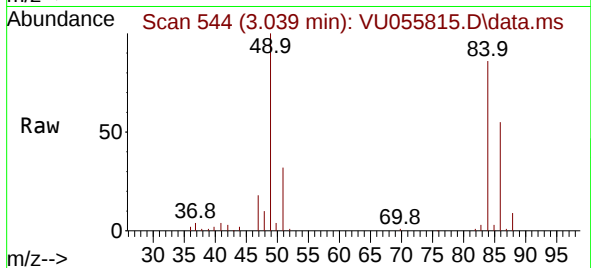
Tgt Ion: 76 Resp: 80348
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0





#15
Methylene Chloride
Concen: 1.398 ug/l
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

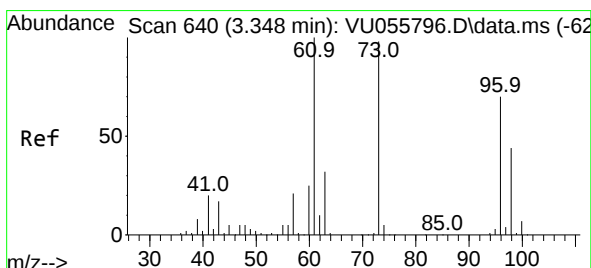
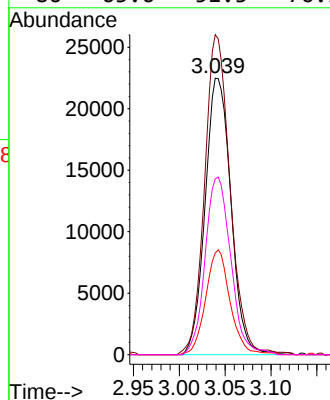
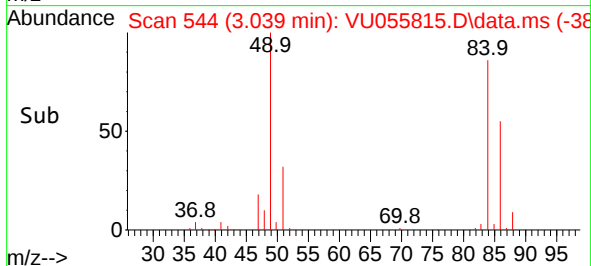
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 84 Resp: 44070
Ion Ratio Lower Upper
84 100
49 115.0 98.9 148.3
51 36.7 0.0 75.4
86 63.6 51.3 76.9

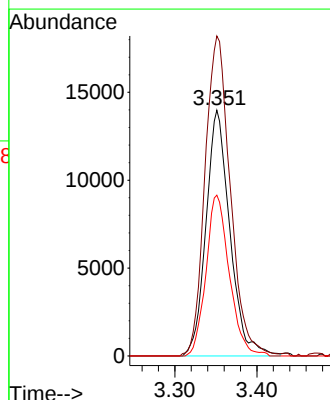
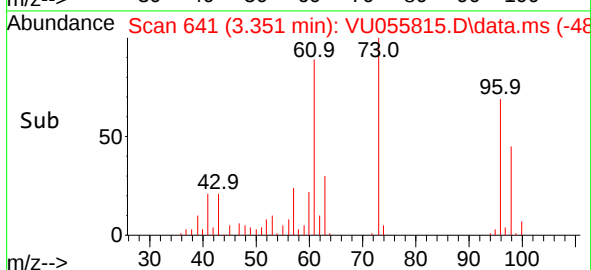
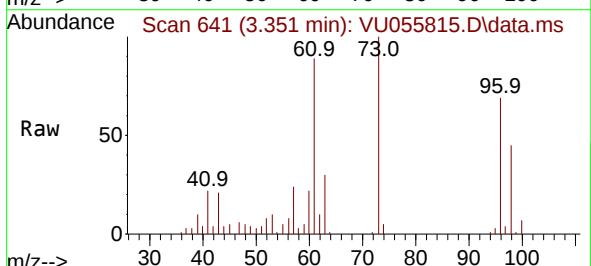
Manual Integrations
APPROVED

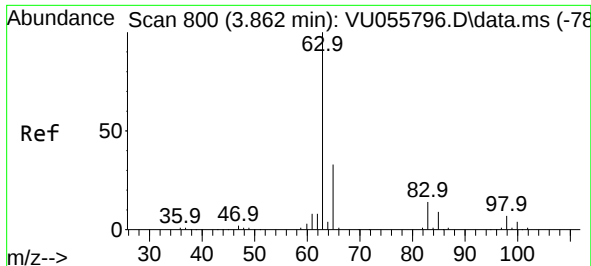
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#16
trans-1,2-Dichloroethene
Concen: 1.000 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

Tgt Ion: 96 Resp: 28327
Ion Ratio Lower Upper
96 100
61 130.2 117.5 176.3
98 65.4 48.3 72.5





#17

1,1-Dichloroethane

Concen: 0.982 ug/l

RT: 3.866 min Scan# 800

Delta R.T. 0.004 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

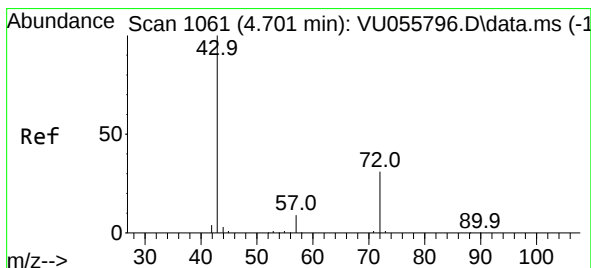
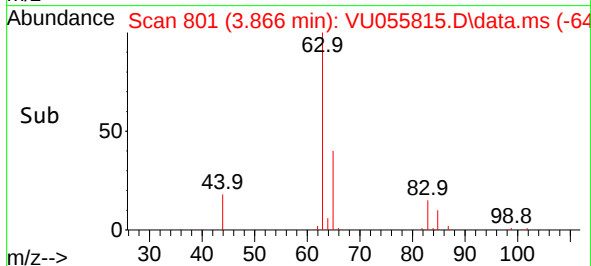
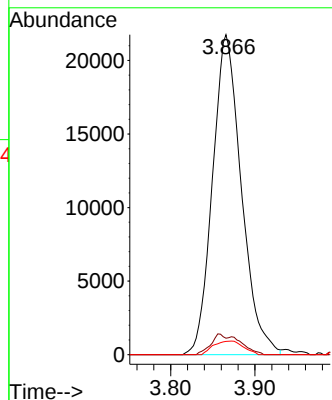
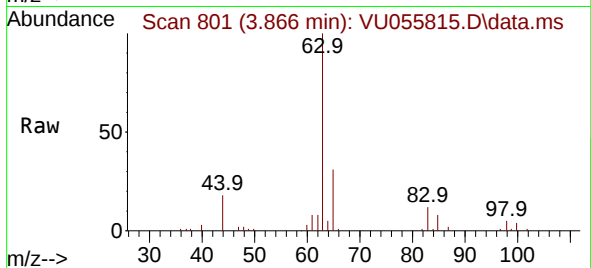
Tgt Ion:	63	Resp:	51750
Ion Ratio	Lower	Upper	
63	100		
98	5.2	3.4	10.1
100	4.2	2.2	6.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#18

2-Butanone

Concen: 3.527 ug/l

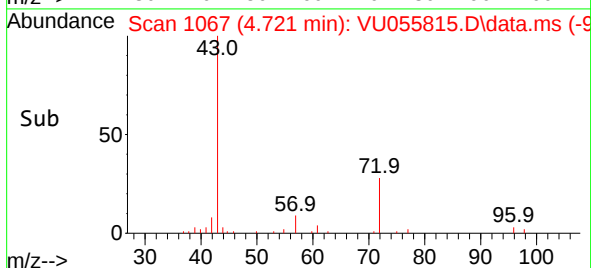
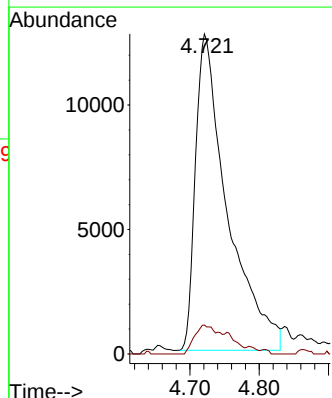
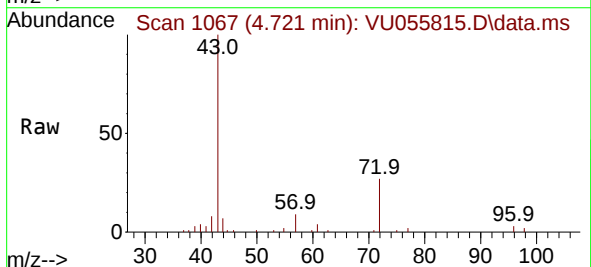
RT: 4.721 min Scan# 1067

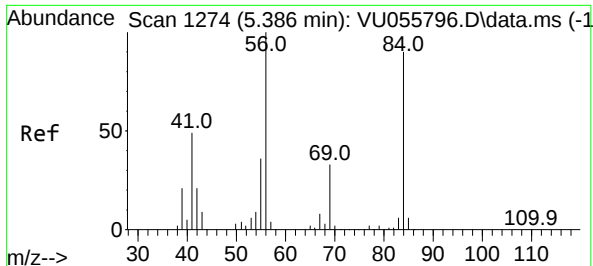
Delta R.T. 0.020 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Tgt Ion:	43	Resp:	40717
Ion Ratio	Lower	Upper	
43	100		
57	9.2	0.0	19.6





#19

Cyclohexane

Concen: 0.936 ug/l m

RT: 5.386 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

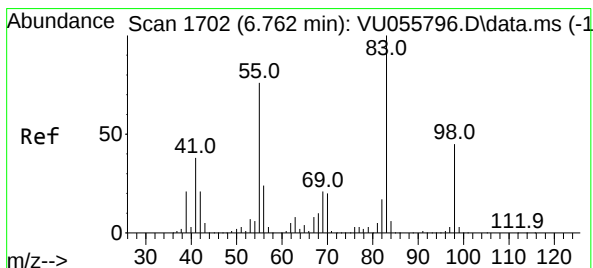
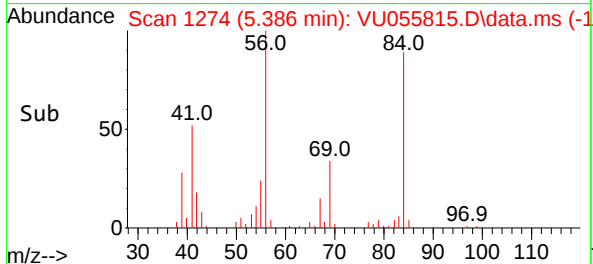
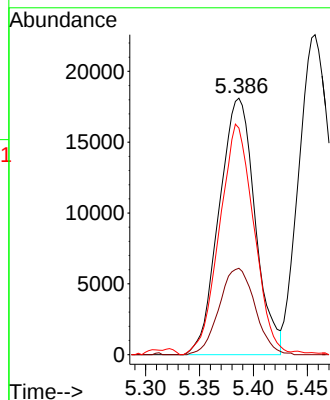
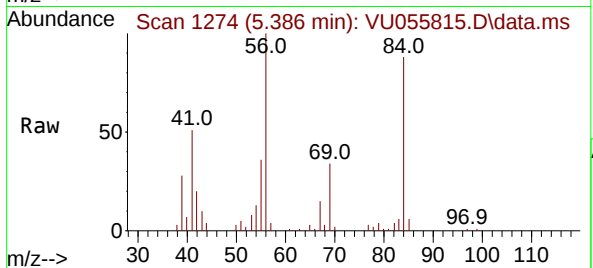
Tgt Ion:	56	Resp:	4205
Ion Ratio	Lower	Upper	
56	100		
69	33.5	24.6	37.0
84	84.5	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#20

Methylcyclohexane

Concen: 0.921 ug/l

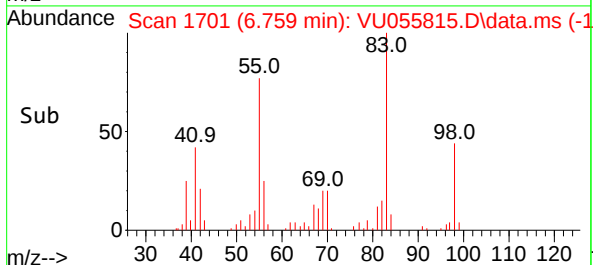
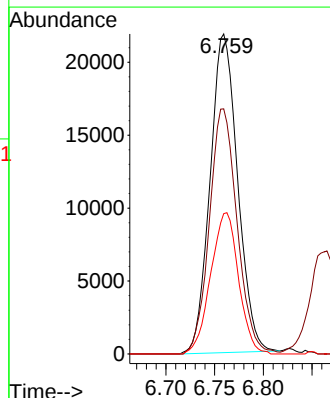
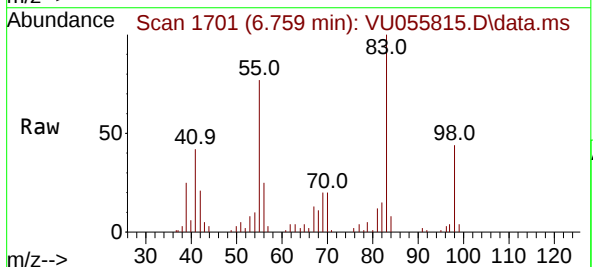
RT: 6.759 min Scan# 1701

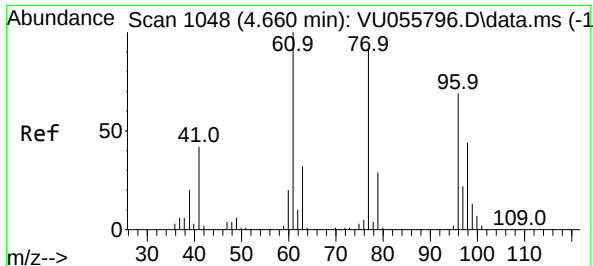
Delta R.T. -0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Tgt Ion:	83	Resp:	43016
Ion Ratio	Lower	Upper	
83	100		
55	76.5	63.5	95.3
98	44.8	36.0	54.0





#21

2,2-Dichloropropane

Concen: 0.939 ug/l

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 77 Resp: 4167

Ion Ratio Lower Upper

77 100

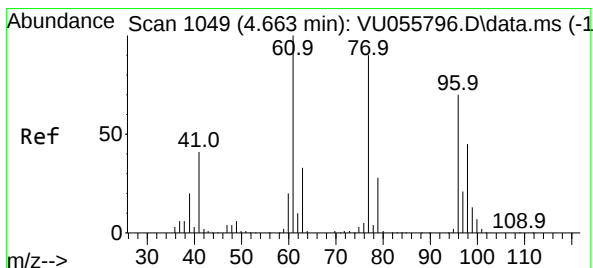
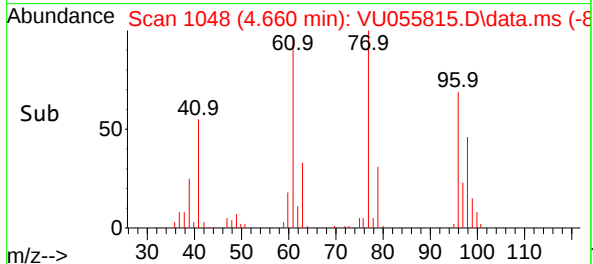
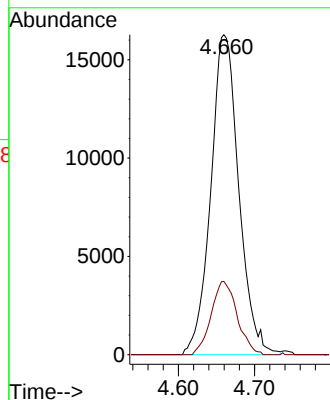
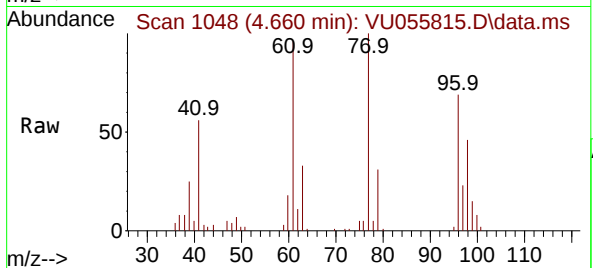
97 21.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#22

cis-1,2-Dichloroethene

Concen: 0.974 ug/l

RT: 4.666 min Scan# 1050

Delta R.T. 0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

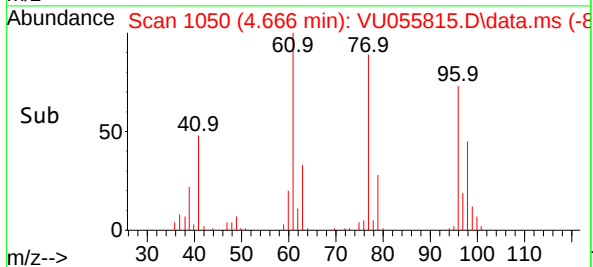
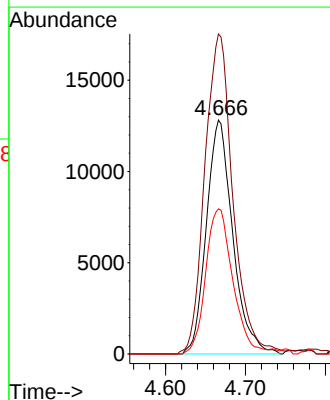
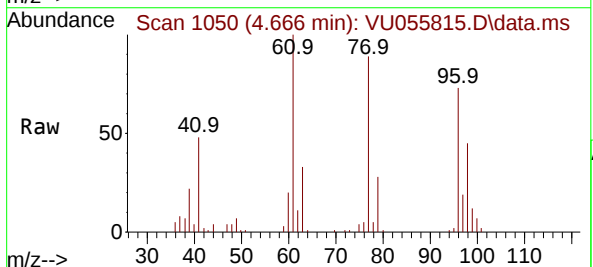
Tgt Ion: 96 Resp: 29417

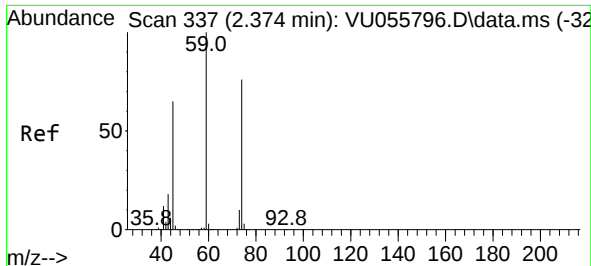
Ion Ratio Lower Upper

96 100

61 145.2 0.0 365.8

98 63.4 32.0 96.0





#23

Diethyl Ether

Concen: 1.147 ug/l

RT: 2.374 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

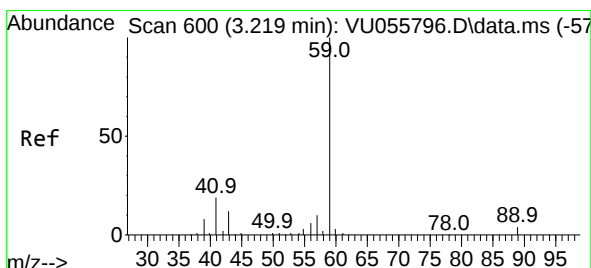
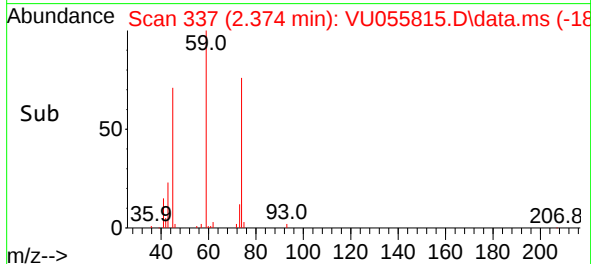
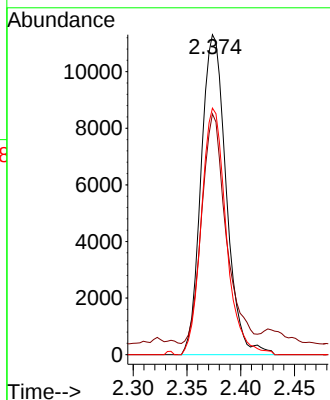
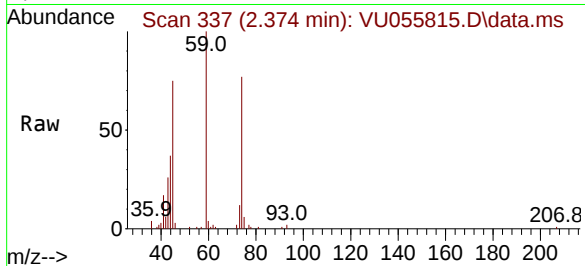
Tgt Ion:	59	Resp:	18334
Ion	Ratio	Lower	Upper
59	100		
45	69.3	56.1	84.1
74	76.1	57.4	86.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#24

tert-Butyl Alcohol

Concen: 10.407 ug/l m

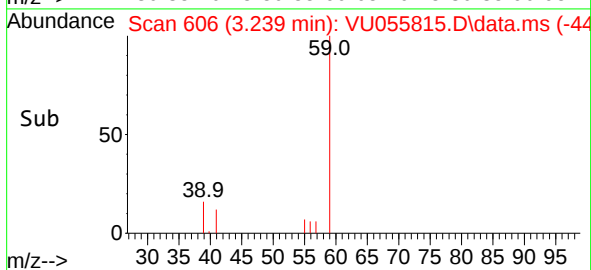
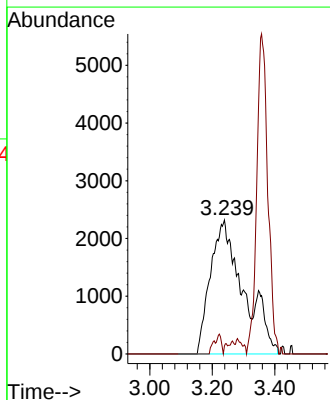
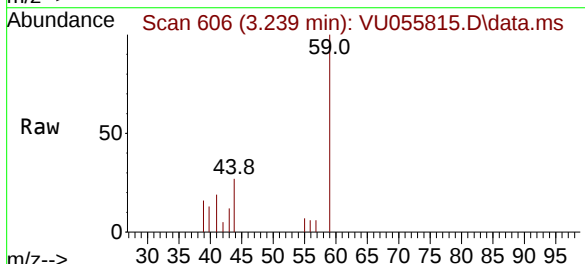
RT: 3.239 min Scan# 606

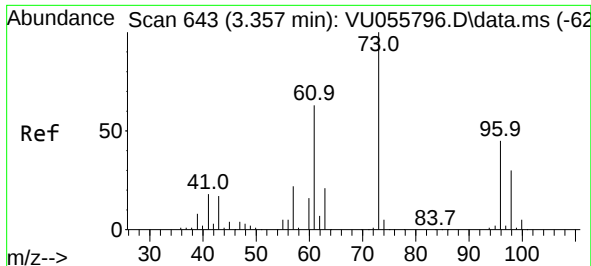
Delta R.T. 0.020 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

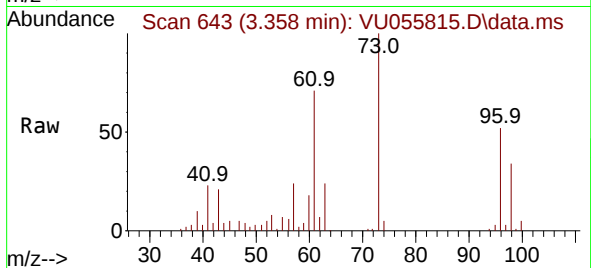
Tgt Ion:	59	Resp:	17056
Ion	Ratio	Lower	Upper
59	100		
57	0.0	105.6	158.4#





#25
Methyl tert-Butyl Ether
Concen: 0.984 ug/l
RT: 3.358 min Scan# 64
Delta R.T. 0.001 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

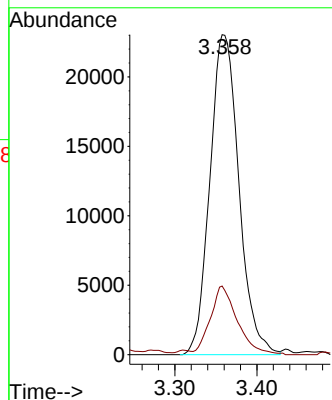
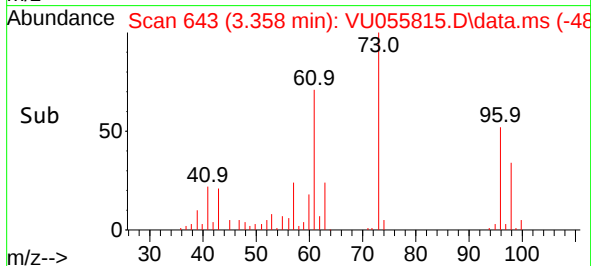
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



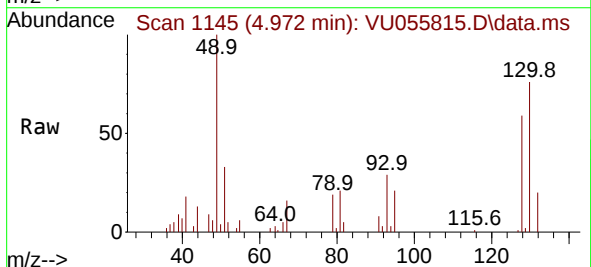
Tgt Ion: 73 Resp: 56619
Ion Ratio Lower Upper
73 100
43 20.0 15.0 22.6

Manual Integrations
APPROVED

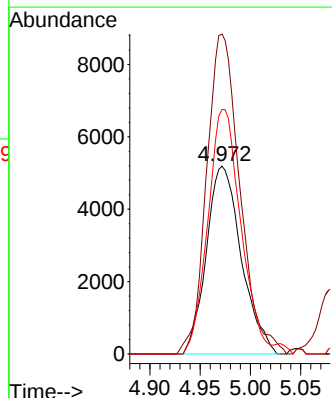
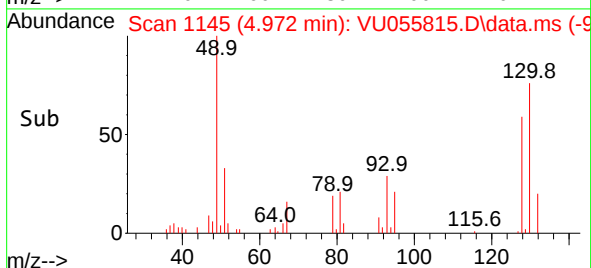
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

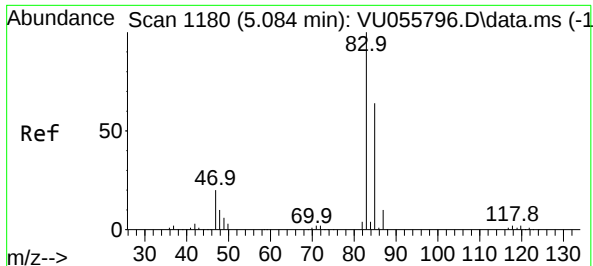


#26
Bromochloromethane
Concen: 0.979 ug/l
RT: 4.972 min Scan# 1145
Delta R.T. 0.004 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



Tgt Ion:128 Resp: 12524
Ion Ratio Lower Upper
128 100
49 162.0 0.0 324.6
130 123.0 103.0 154.4





#27

Chloroform

Concen: 0.991 ug/l

RT: 5.087 min Scan# 1180

Delta R.T. 0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 83 Resp: 53590

Ion Ratio Lower Upper

83 100

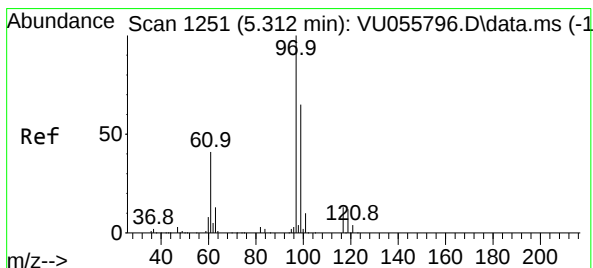
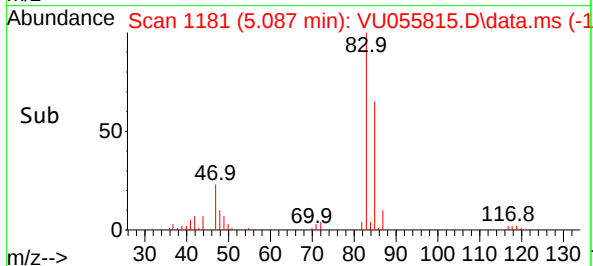
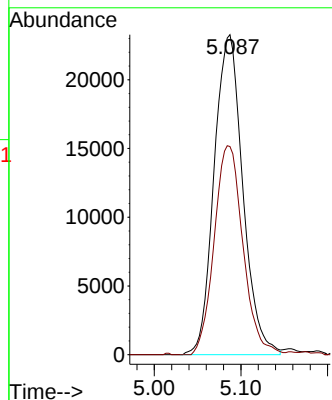
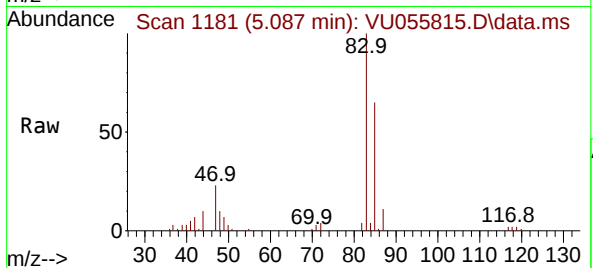
85 65.1 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#28

1,1,1-Trichloroethane

Concen: 0.981 ug/l

RT: 5.312 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

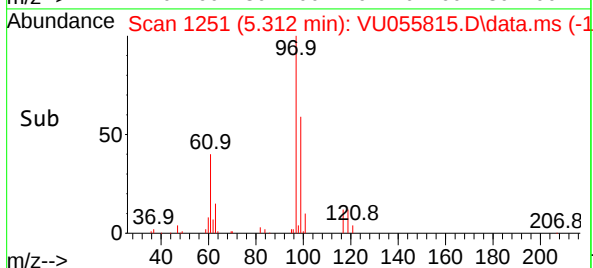
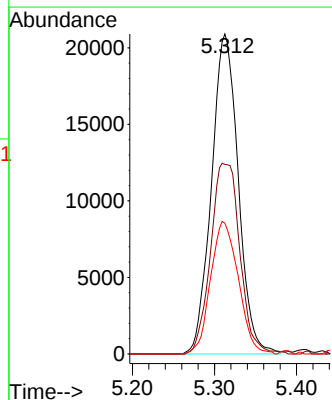
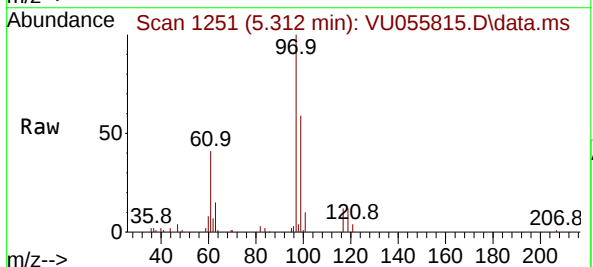
Tgt Ion: 97 Resp: 47524

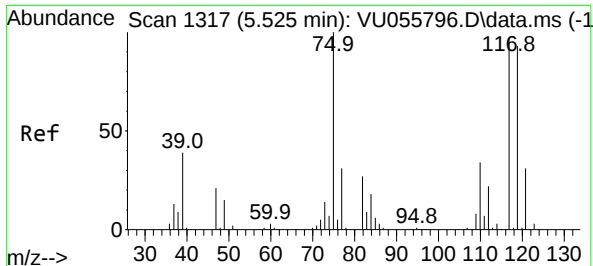
Ion Ratio Lower Upper

97 100

99 65.0 32.0 96.2

61 42.8 22.9 68.5





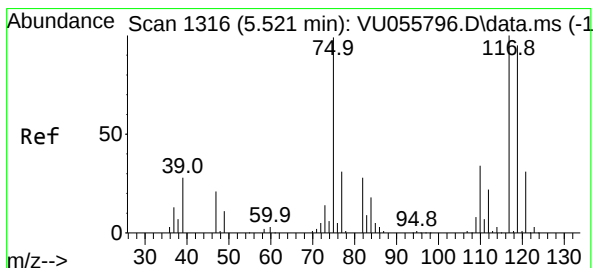
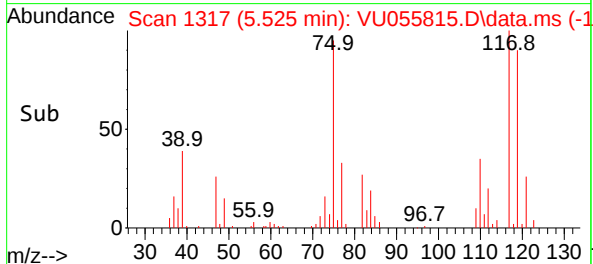
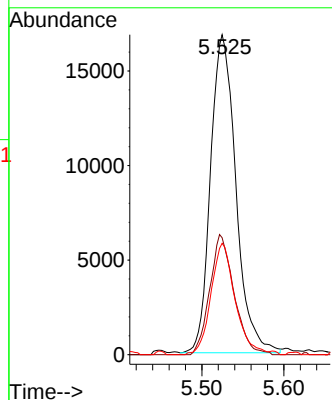
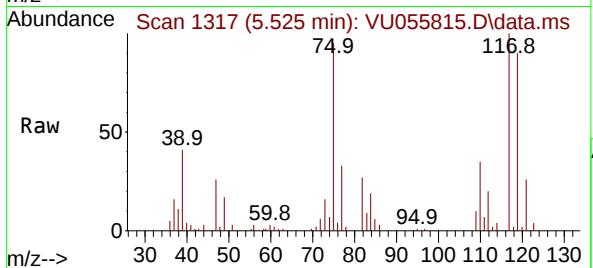
#29
1,1-Dichloropropene
Concen: 0.941 ug/l
RT: 5.525 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

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

Tgt Ion: 75 Resp: 3611
Ion Ratio Lower Upper
75 100
110 36.1 18.0 54.0
77 33.3 24.7 37.1

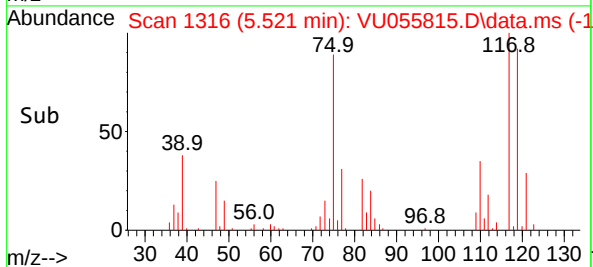
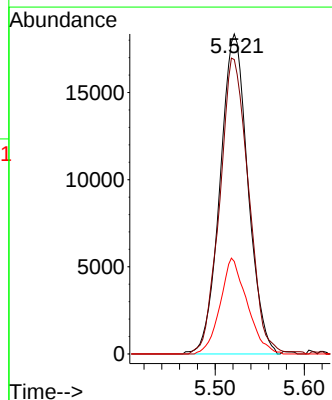
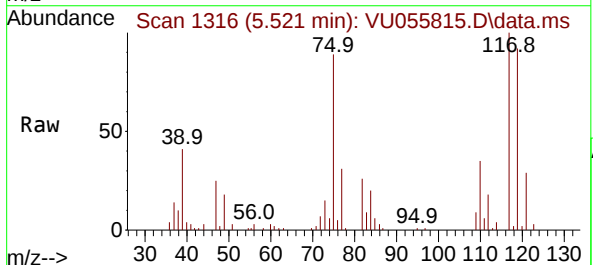
Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#30
Carbon Tetrachloride
Concen: 0.943 ug/l
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

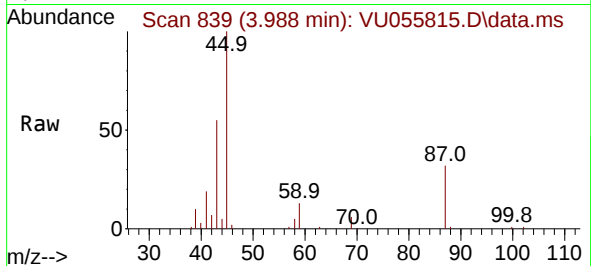
Tgt Ion:117 Resp: 39884
Ion Ratio Lower Upper
117 100
119 92.0 77.4 116.0
121 28.9 24.0 36.0





#31
Isopropyl Ether
Concen: 0.976 ug/l
RT: 3.988 min Scan# 81
Delta R.T. -0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

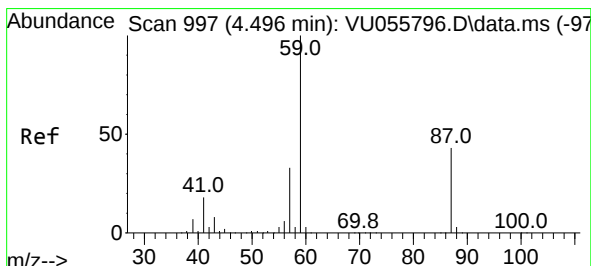
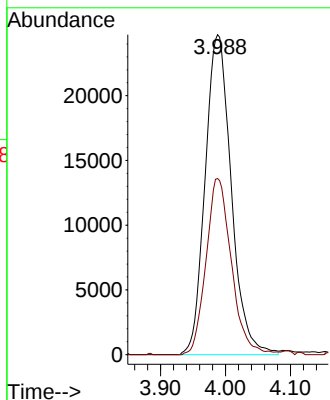
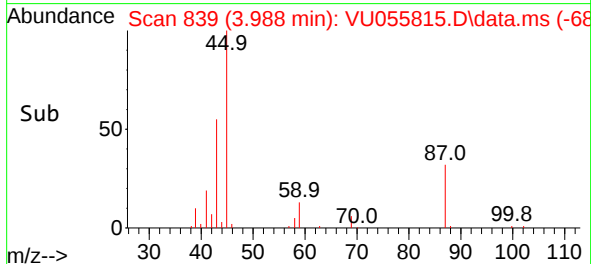
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



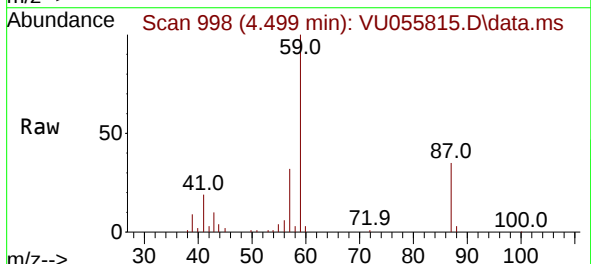
Tgt Ion: 45 Resp: 6905
Ion Ratio Lower Upper
45 100
43 53.4 27.5 82.5

Manual Integrations
APPROVED

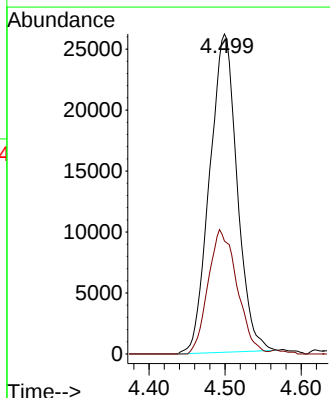
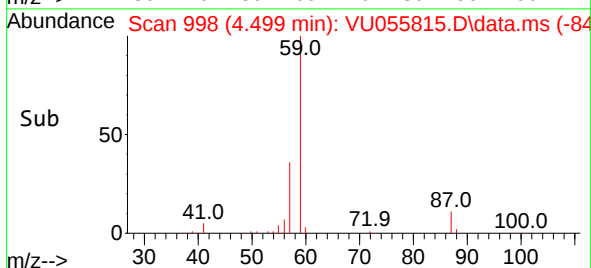
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

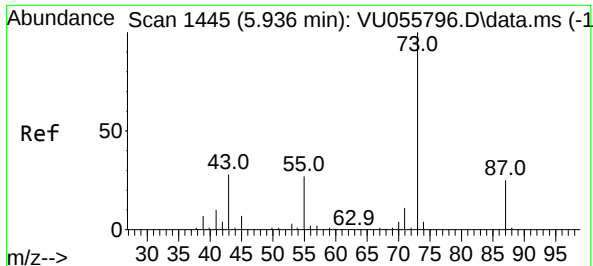


#32
Ethyl-t-butyl ether
Concen: 0.961 ug/l
RT: 4.499 min Scan# 998
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



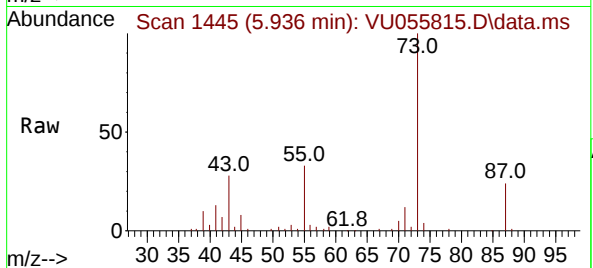
Tgt Ion: 59 Resp: 65693
Ion Ratio Lower Upper
59 100
87 40.2 33.5 50.3





#33
Tert-Amyl methyl ether
Concen: 0.916 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

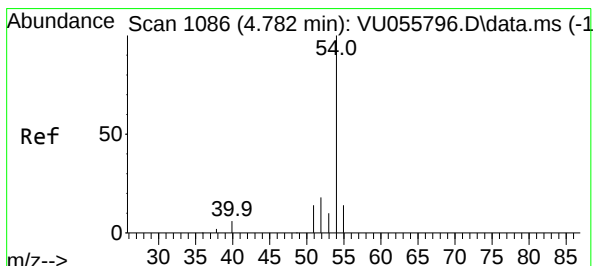
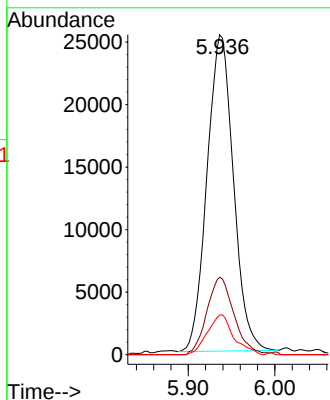
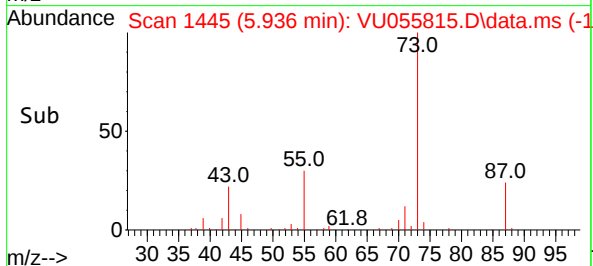
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



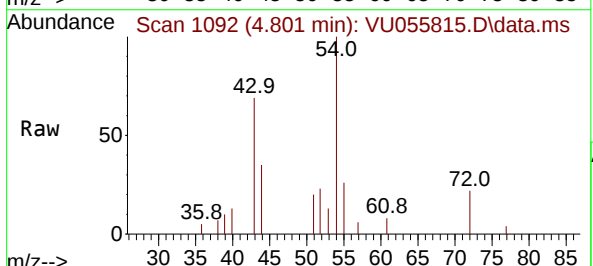
Tgt Ion: 73 Resp: 5361
Ion Ratio Lower Upper
73 100
87 24.3 18.6 28.0
71 12.5 9.9 14.9

Manual Integrations
APPROVED

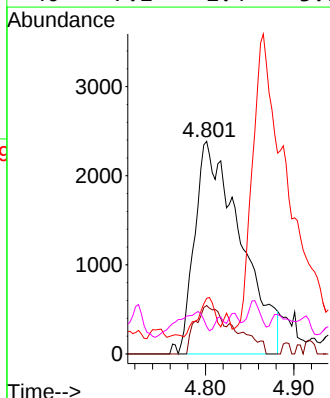
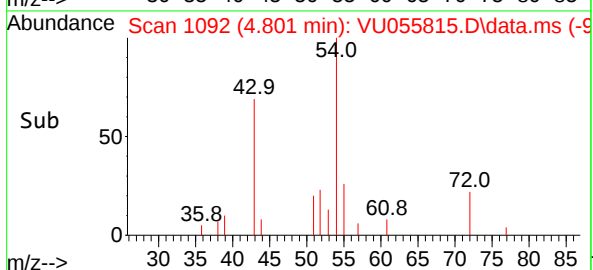
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

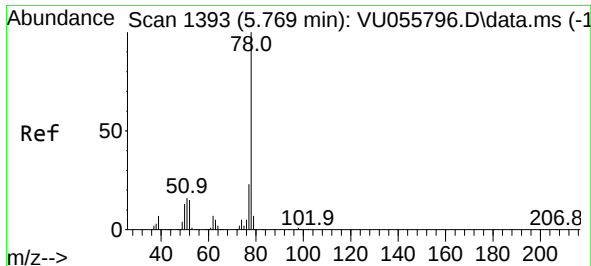


#34
Propionitrile
Concen: 4.697 ug/l m
RT: 4.801 min Scan# 1092
Delta R.T. 0.019 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



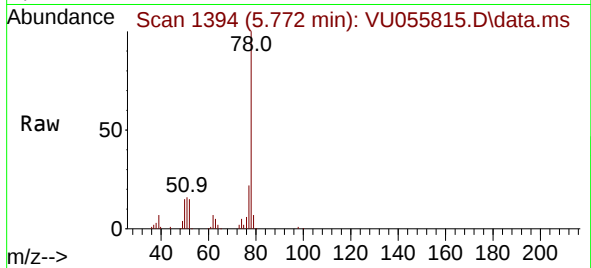
Tgt Ion: 54 Resp: 8579
Ion Ratio Lower Upper
54 100
52 13.0 17.4 26.0#
55 7.1 104.1 156.1#
40 7.2 2.4 3.6#





#35
Benzene
Concen: 0.971 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

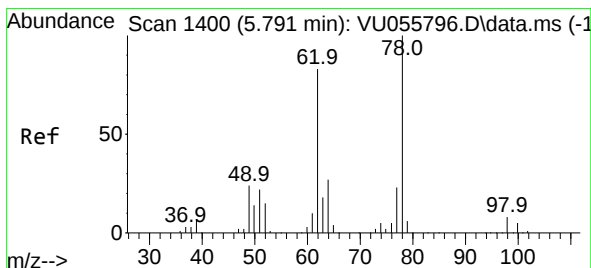
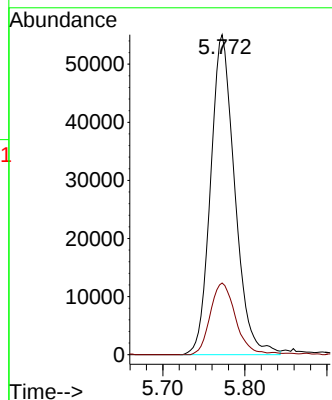
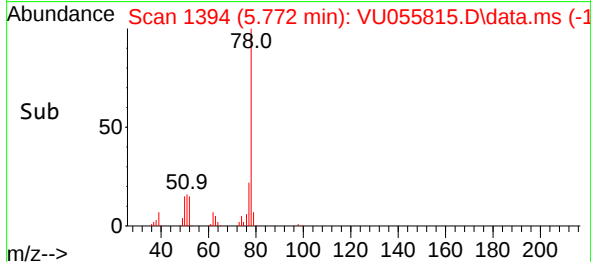
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 78 Resp: 11290
Ion Ratio Lower Upper
78 100
77 22.4 18.9 28.3

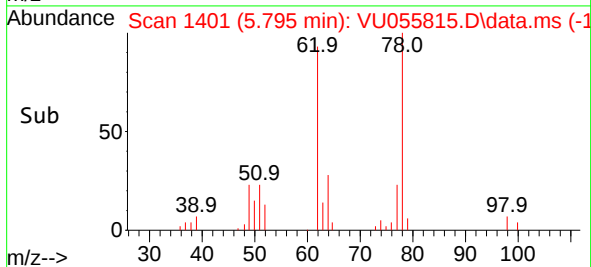
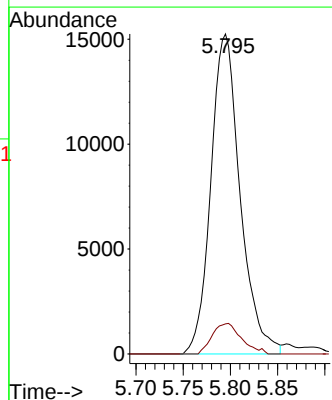
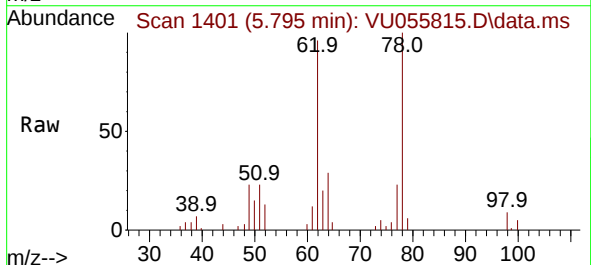
Manual Integrations
APPROVED

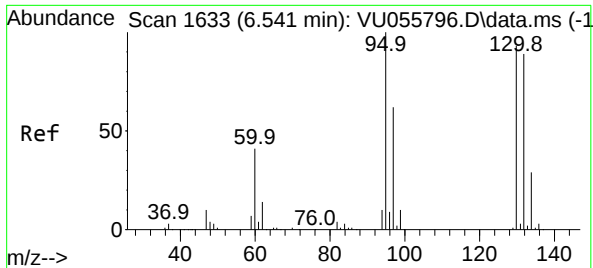
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#36
1,2-Dichloroethane
Concen: 1.041 ug/l
RT: 5.795 min Scan# 1401
Delta R.T. 0.004 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

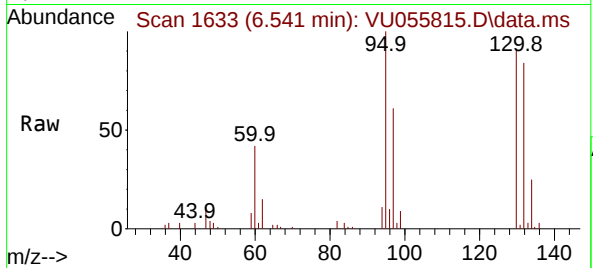
Tgt Ion: 62 Resp: 32869
Ion Ratio Lower Upper
62 100
98 9.6 7.3 10.9





#37
Trichloroethene
Concen: 0.979 ug/l
RT: 6.541 min Scan# 1633
Delta R.T. -0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

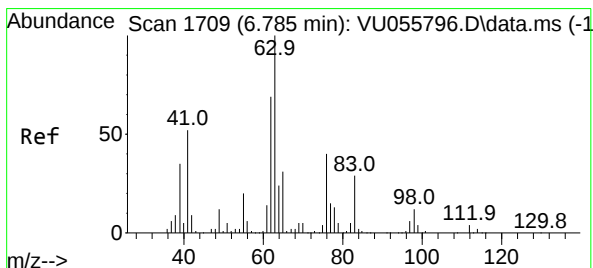
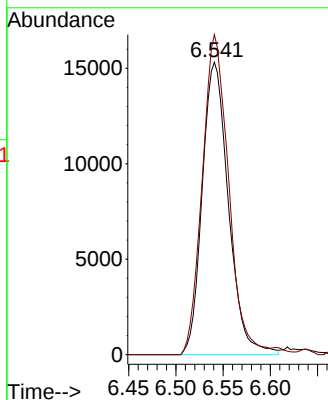
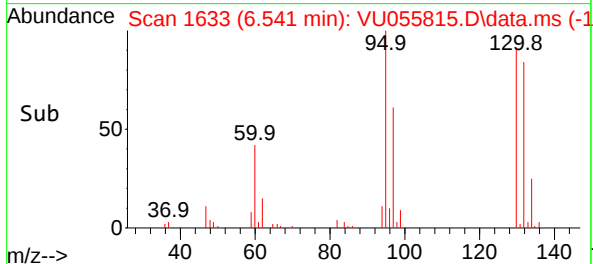
Instrument : MSVOA_U
ClientSampleId : LOQ-WATER-02-QT4-2023



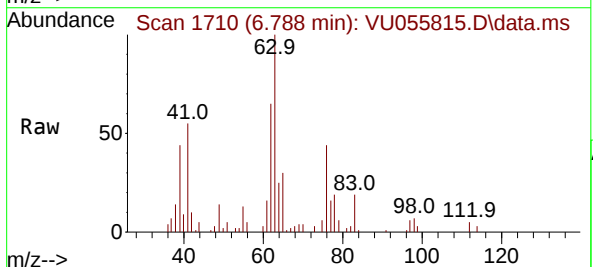
Tgt Ion: 130 Resp: 2961
Ion Ratio Lower Upper
130 100
95 109.4 85.0 127.6

Manual Integrations
APPROVED

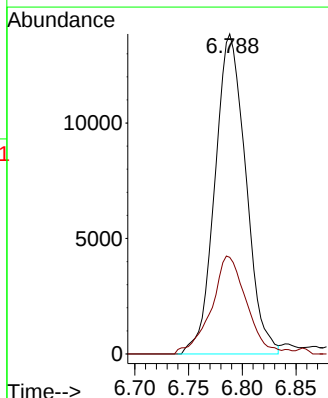
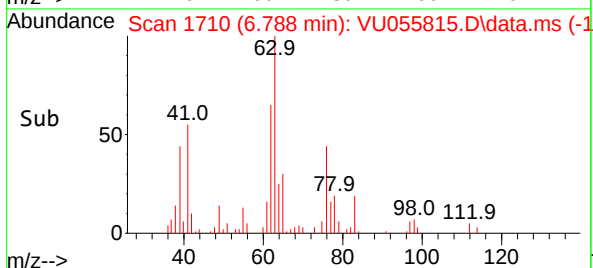
Reviewed By : John Carlone 10/20/2023
Supervised By : Mahesh Dadoda 10/25/2023



#38
1,2-Dichloropropane
Concen: 0.912 ug/l
RT: 6.788 min Scan# 1710
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



Tgt Ion: 63 Resp: 27683
Ion Ratio Lower Upper
63 100
65 28.8 24.9 37.3





#39

Methacrylonitrile

Concen: 0.964 ug/l

RT: 4.994 min Scan# 1152

Delta R.T. 0.026 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 41 Resp: 656

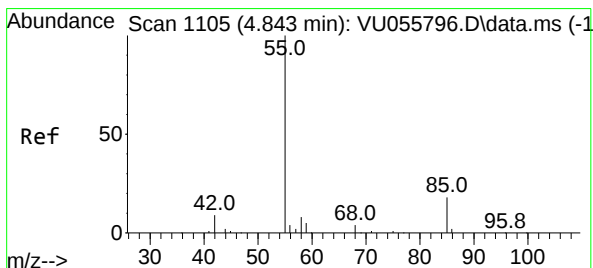
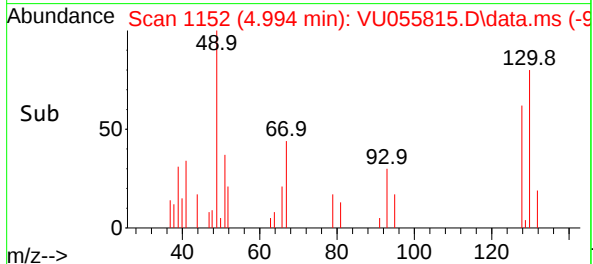
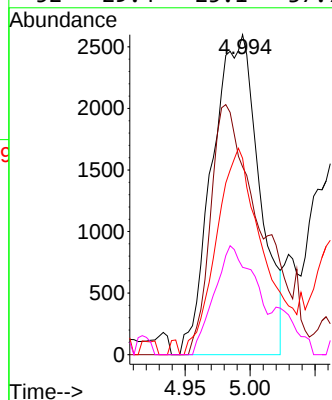
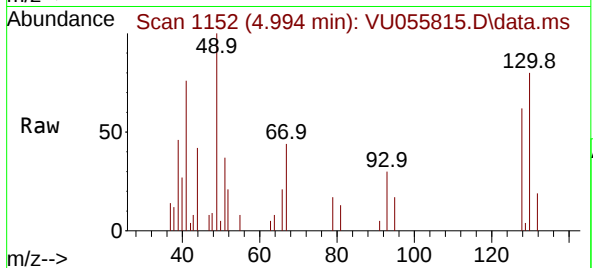
Ion	Ratio	Lower	Upper
41	100		
67	84.6	66.8	100.2
39	64.4	41.2	61.8
52	29.4	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#40

Methyl acrylate

Concen: 0.796 ug/l

RT: 4.866 min Scan# 1112

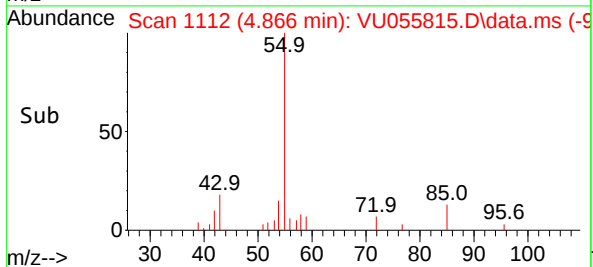
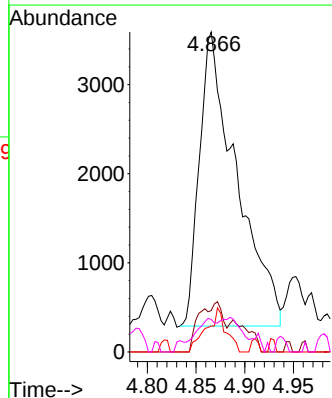
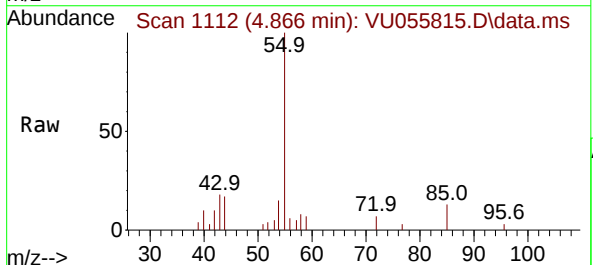
Delta R.T. 0.023 min

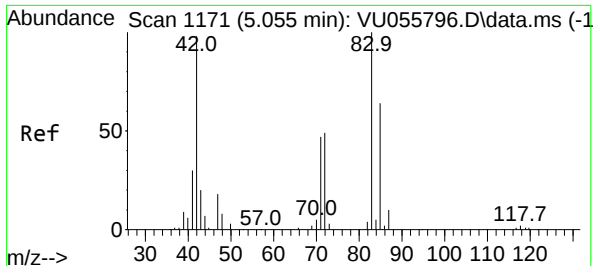
Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Tgt Ion: 55 Resp: 8736

Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.3	19.9
58	7.8	6.5	9.7
42	3.8	5.9	8.9





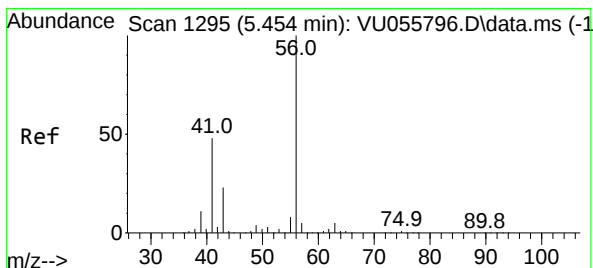
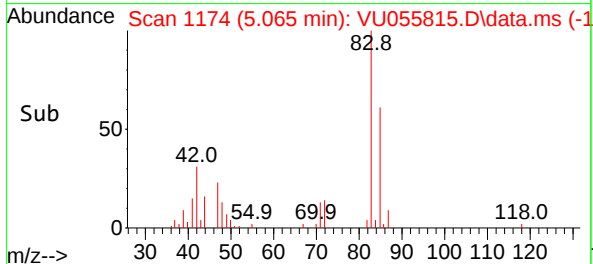
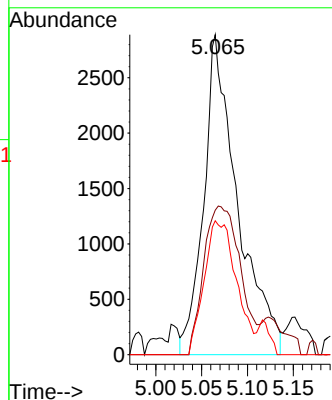
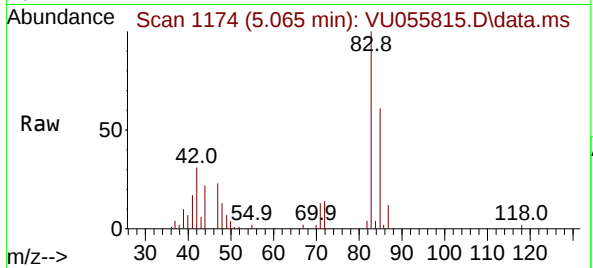
#41
Tetrahydrofuran
Concen: 1.923 ug/l
RT: 5.065 min Scan# 1171
Delta R.T. 0.010 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

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

Tgt Ion: 42 Resp: 7419
Ion Ratio Lower Upper
42 100
72 50.6 40.9 61.3
71 39.7 36.9 55.3

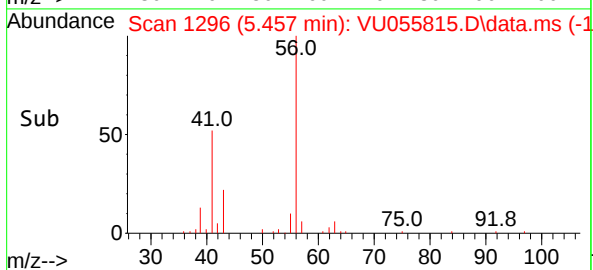
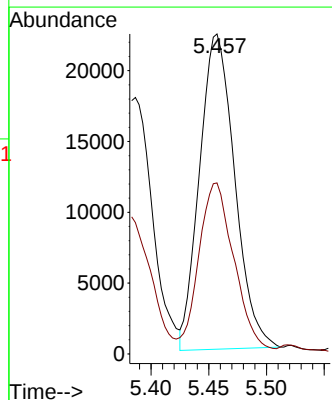
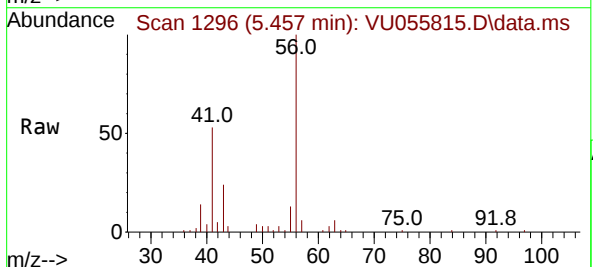
Manual Integrations
APPROVED

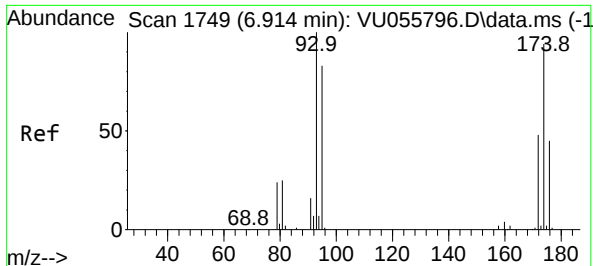
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#42
1-Chlorobutane
Concen: 0.921 ug/l
RT: 5.457 min Scan# 1296
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

Tgt Ion: 56 Resp: 47124
Ion Ratio Lower Upper
56 100
41 54.5 25.2 75.6





#43

Dibromomethane

Concen: 1.020 ug/l

RT: 6.917 min Scan# 1750

Delta R.T. 0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

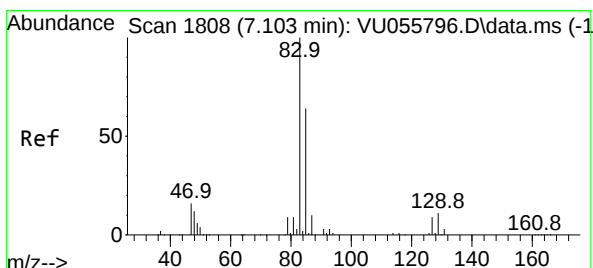
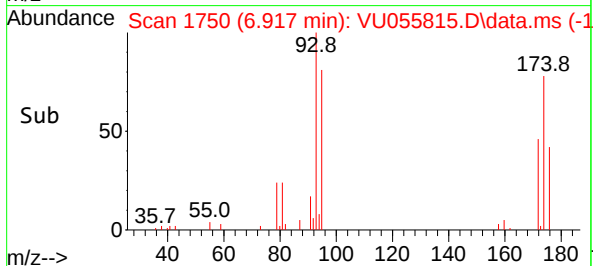
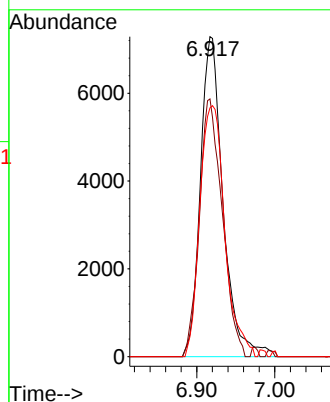
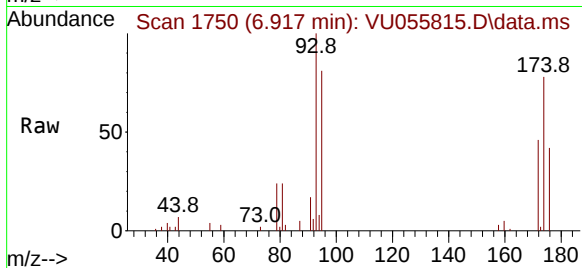
Tgt Ion:	93	Resp:	1471
Ion Ratio	Lower	Upper	
93	100		
95	81.2	67.0	100.6
174	86.3	73.8	110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#44

Bromodichloromethane

Concen: 0.953 ug/l

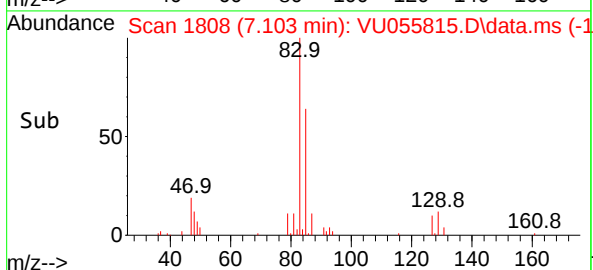
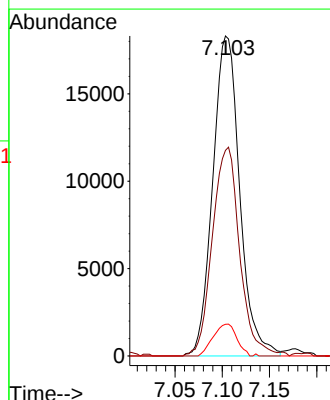
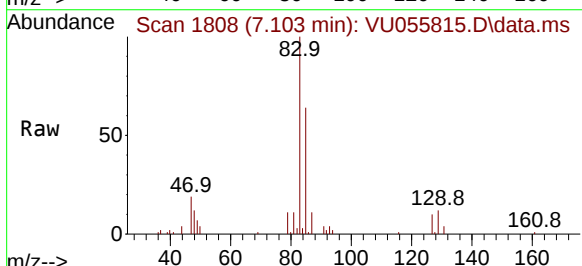
RT: 7.103 min Scan# 1808

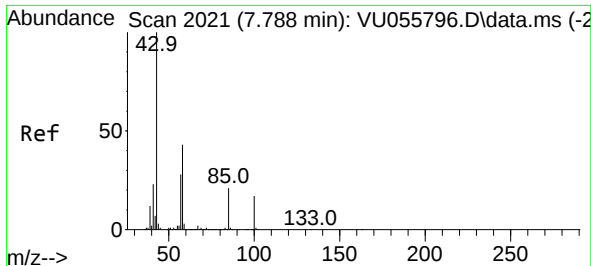
Delta R.T. 0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Tgt Ion:	83	Resp:	36359
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.9	77.9
127	10.9	6.7	10.1





#45

4-Methyl-2-Pentanone

Concen: 4.605 ug/l

RT: 7.791 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

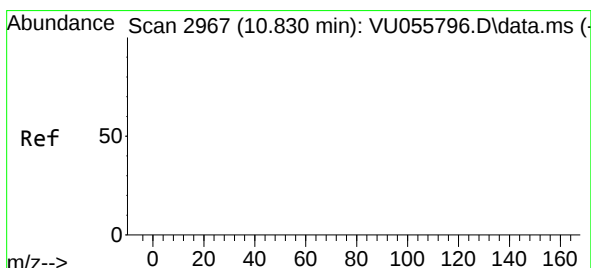
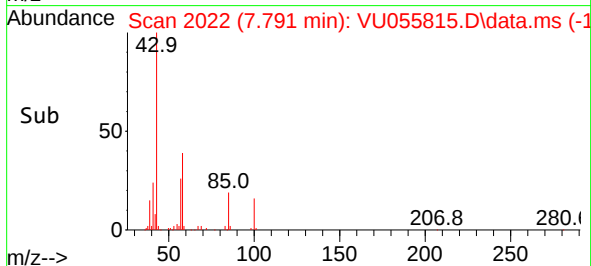
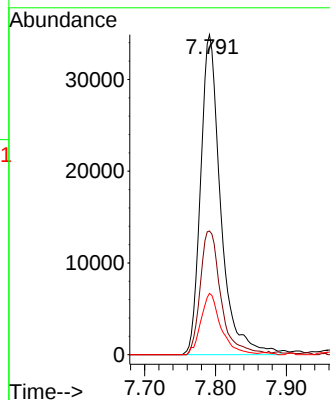
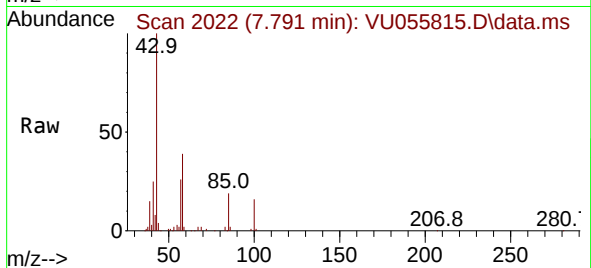
Tgt Ion:	43	Resp:	6872
Ion Ratio	Lower	Upper	
43	100		
58	39.9	20.9	62.8
85	19.1	14.6	21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#46

t-1,4-Dichloro-2-butene

Concen: 1.418 ug/l m

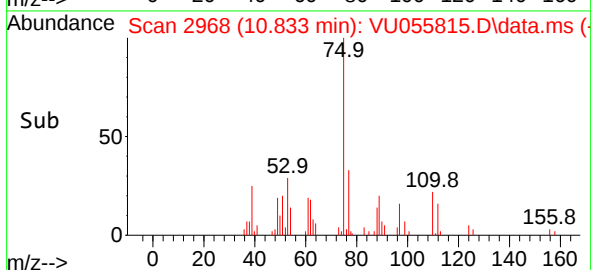
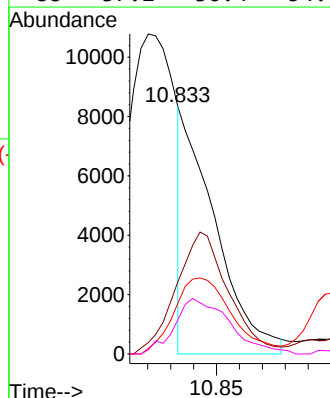
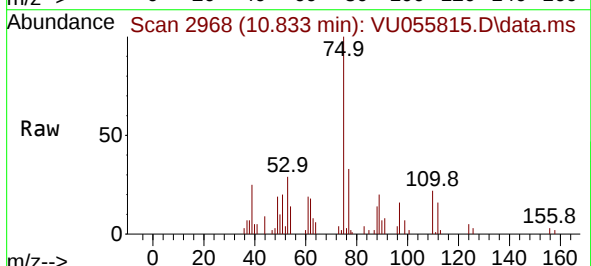
RT: 10.833 min Scan# 2968

Delta R.T. 0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

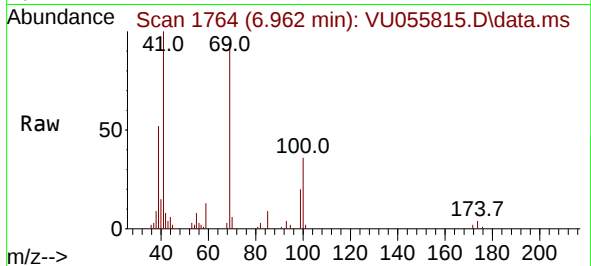
Tgt Ion:	75	Resp:	8421
Ion Ratio	Lower	Upper	
75	100		
53	77.4	73.3	109.9
89	53.4	48.2	72.4
88	37.2	36.4	54.6





#47
Methyl methacrylate
Concen: 1.831 ug/l
RT: 6.962 min Scan# 1764
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

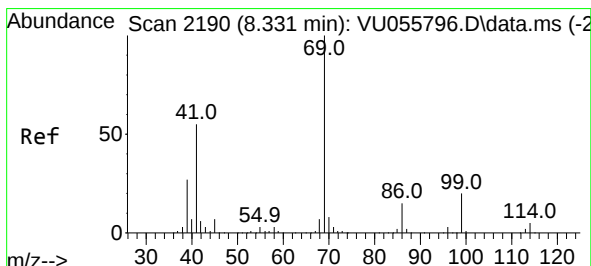
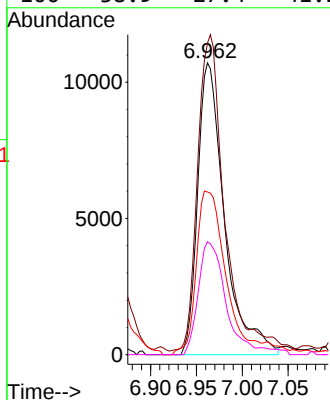
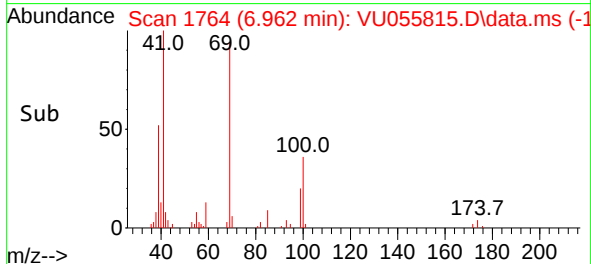
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 69 Resp: 21794
Ion Ratio Lower Upper
69 100
41 107.5 0.0 209.2
39 61.2 46.7 70.1
100 38.9 27.4 41.2

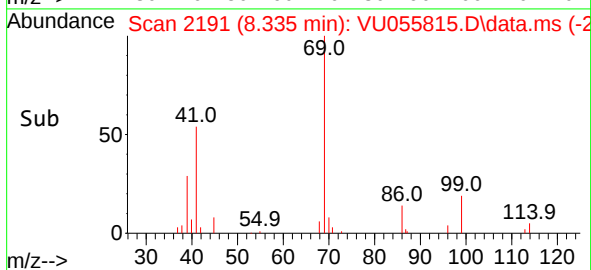
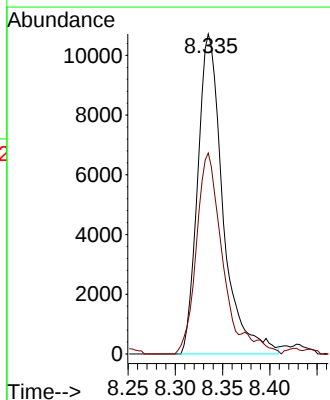
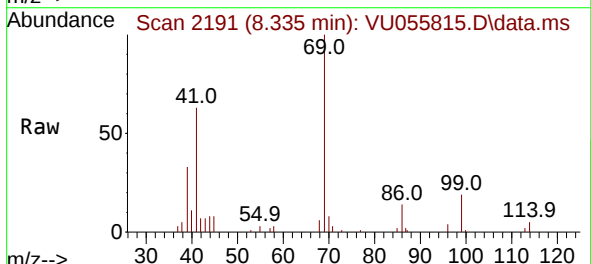
Manual Integrations
APPROVED

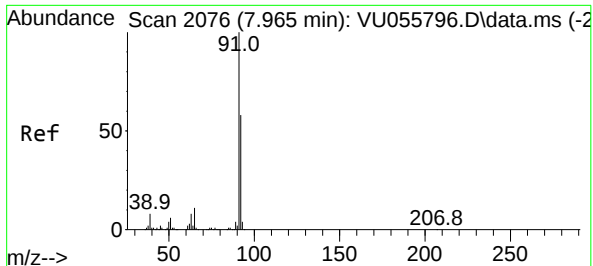
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#48
Ethyl methacrylate
Concen: 0.882 ug/l
RT: 8.335 min Scan# 2191
Delta R.T. 0.004 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

Tgt Ion: 69 Resp: 19933
Ion Ratio Lower Upper
69 100
41 65.6 30.3 90.8





#49

Toluene

Concen: 0.967 ug/l

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 92 Resp: 66518

Ion Ratio Lower Upper

92 100

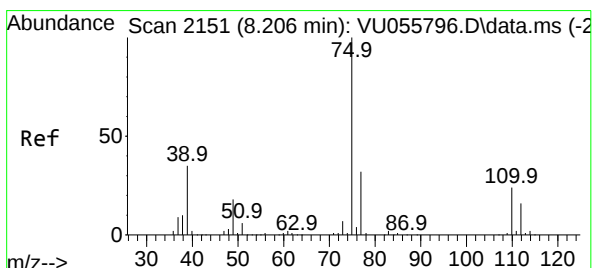
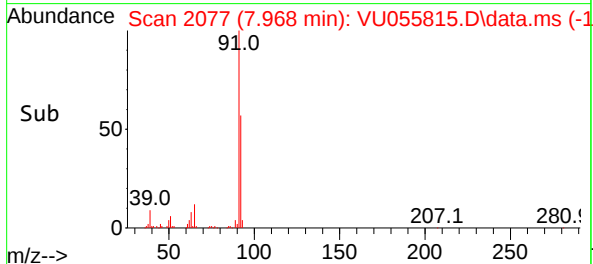
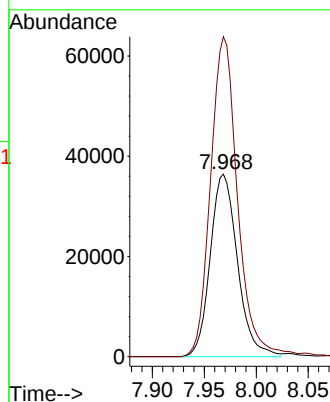
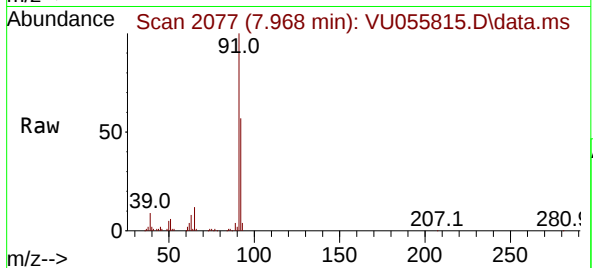
91 173.4 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#50

t-1,3-Dichloropropene

Concen: 0.934 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU055815.D

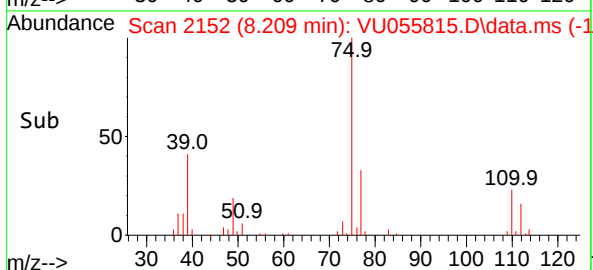
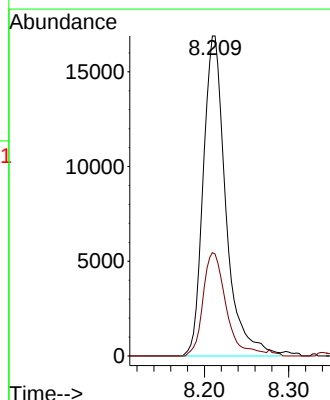
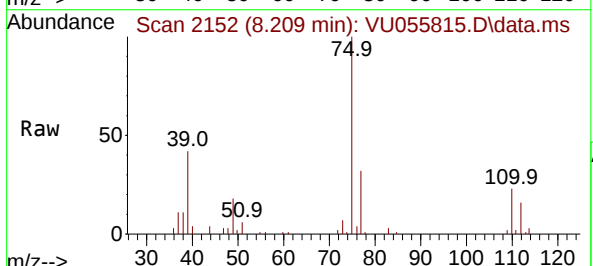
Acq: 19 Oct 2023 17:41

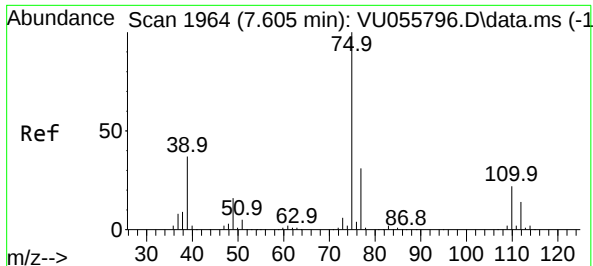
Tgt Ion: 75 Resp: 31510

Ion Ratio Lower Upper

75 100

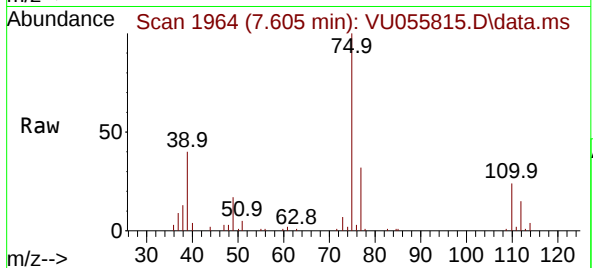
77 32.3 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 0.921 ug/l
 RT: 7.605 min Scan# 1964
 Delta R.T. -0.000 min
 Lab File: VU055815.D
 Acq: 19 Oct 2023 17:41

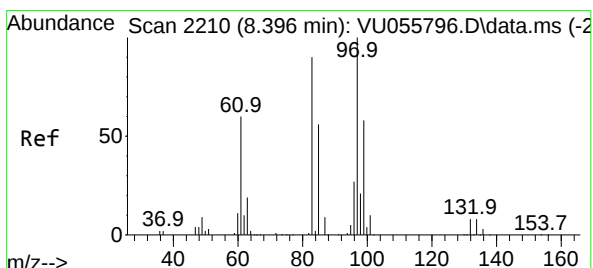
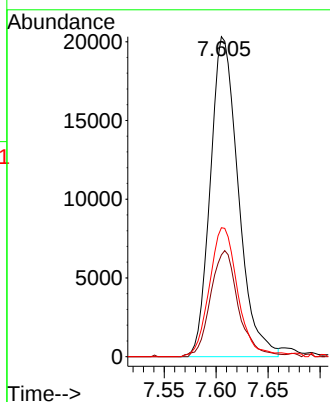
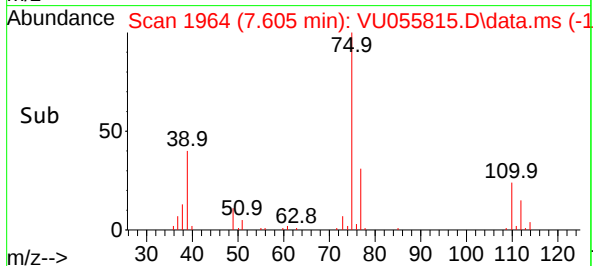
Instrument : MSVOA_U
 ClientSampleId :
 LOQ-WATER-02-QT4-2023



Tgt Ion: 75 Resp: 3805
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.7 38.5
 39 40.3 32.8 49.2

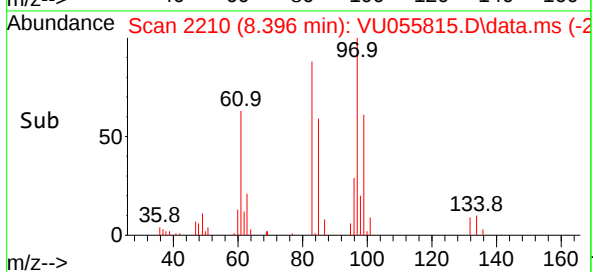
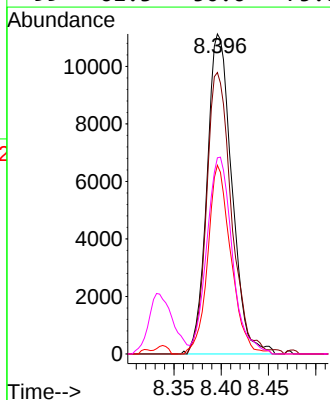
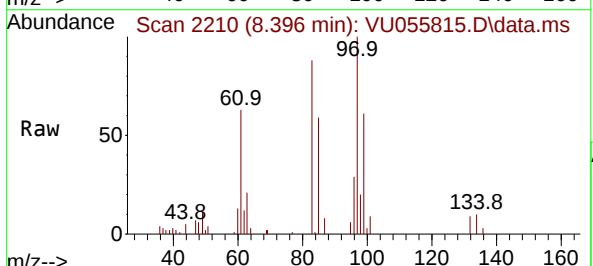
Manual Integrations
 APPROVED

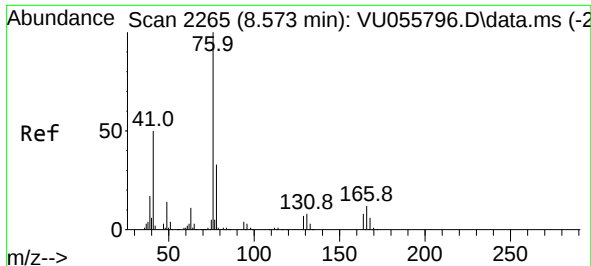
Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.988 ug/l
 RT: 8.396 min Scan# 2210
 Delta R.T. -0.000 min
 Lab File: VU055815.D
 Acq: 19 Oct 2023 17:41

Tgt Ion: 97 Resp: 20368
 Ion Ratio Lower Upper
 97 100
 83 87.9 71.8 107.8
 85 58.9 45.2 67.8
 99 61.3 50.6 75.8





#53

1,3-Dichloropropane

Concen: 0.987 ug/l

RT: 8.573 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion: 76 Resp: 3475

Ion Ratio Lower Upper

76 100

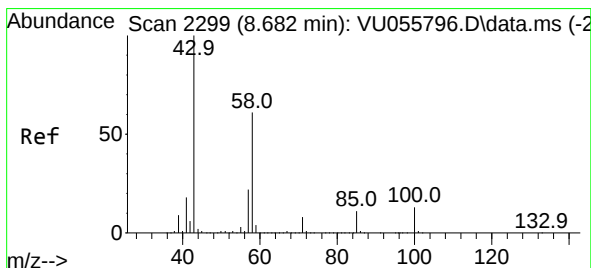
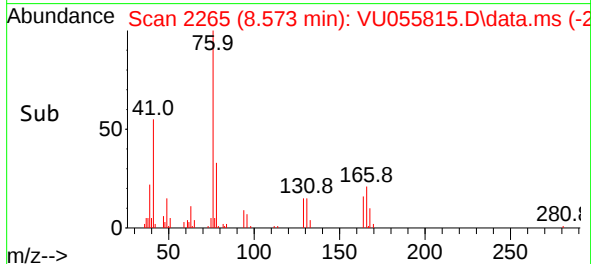
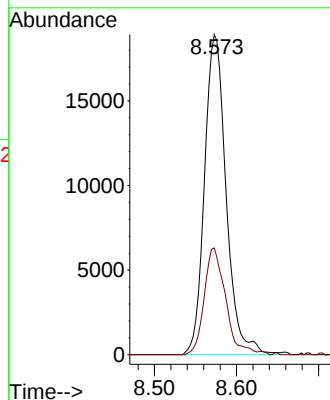
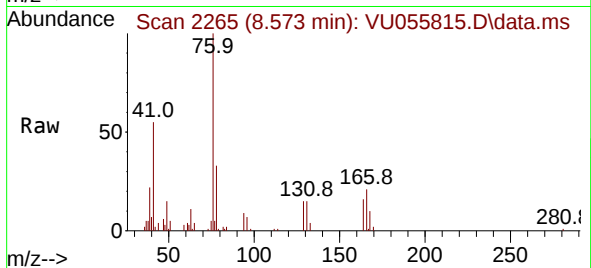
78 33.0 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#54

2-Hexanone

Concen: 3.445 ug/l

RT: 8.685 min Scan# 2300

Delta R.T. 0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

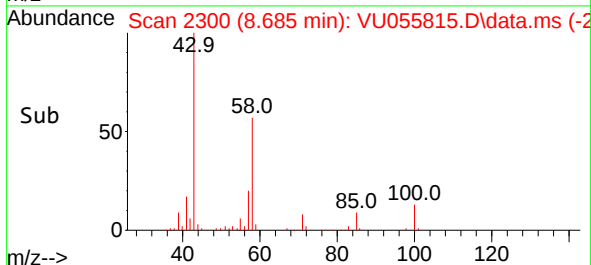
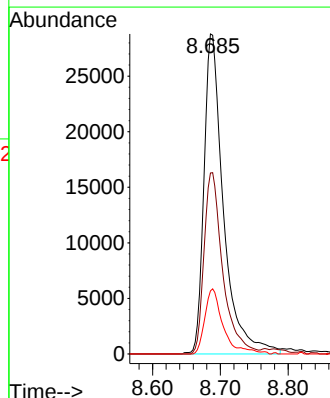
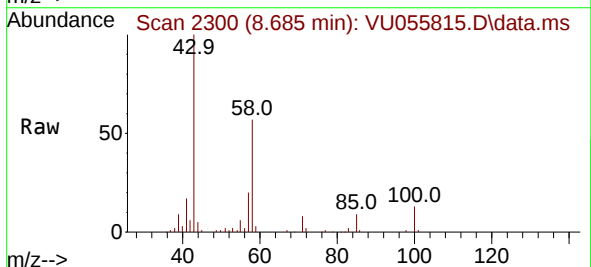
Tgt Ion: 43 Resp: 57602

Ion Ratio Lower Upper

43 100

58 54.3 38.2 78.2

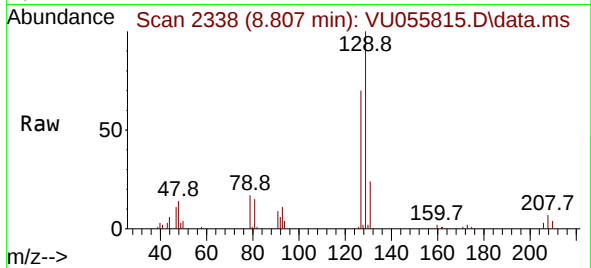
57 19.0 0.0 39.1





#55
Dibromochloromethane
Concen: 0.915 ug/l
RT: 8.807 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

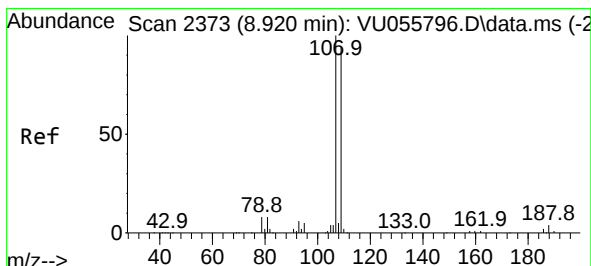
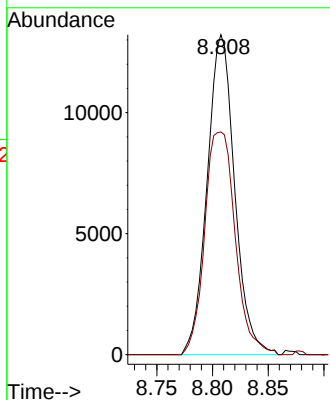
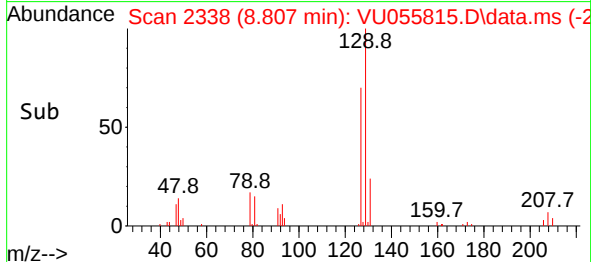
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



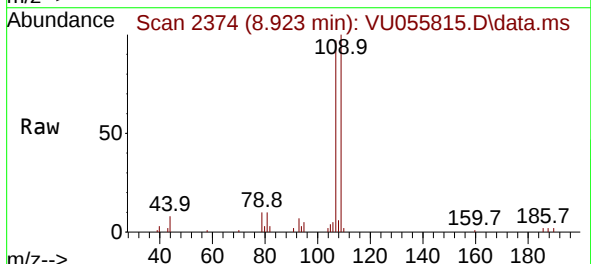
Tgt Ion:129 Resp: 22750
Ion Ratio Lower Upper
129 100
127 77.2 61.4 92.0

Manual Integrations
APPROVED

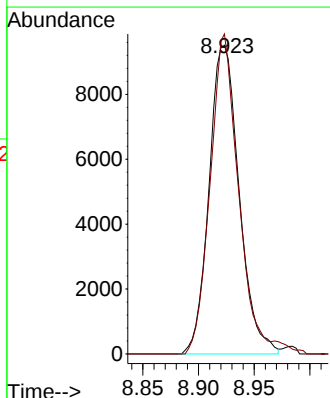
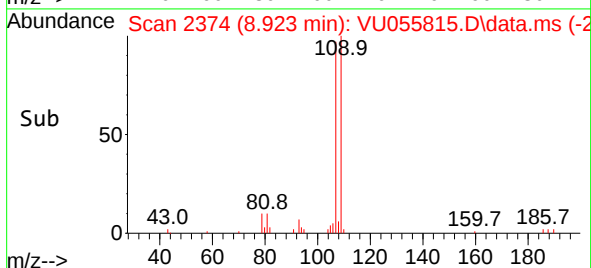
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

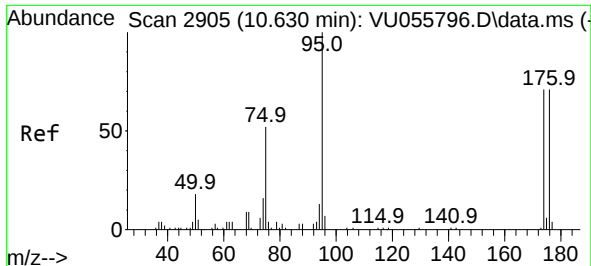


#56
1,2-Dibromoethane
Concen: 0.950 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



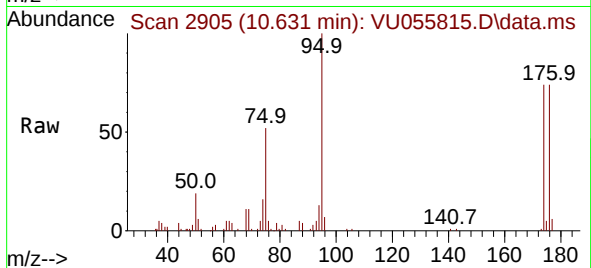
Tgt Ion:107 Resp: 17898
Ion Ratio Lower Upper
107 100
109 98.4 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.937 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.001 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

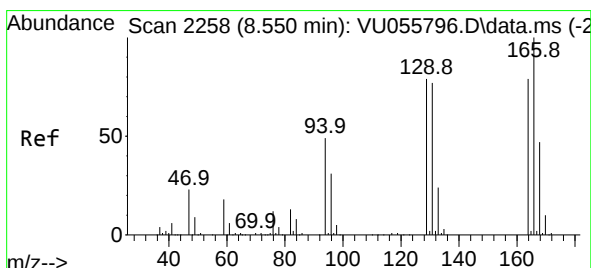
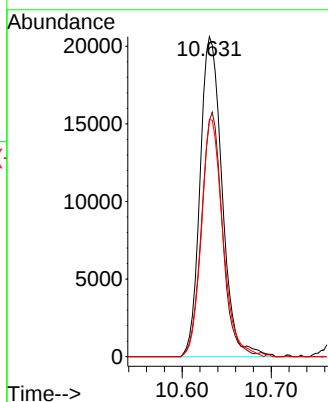
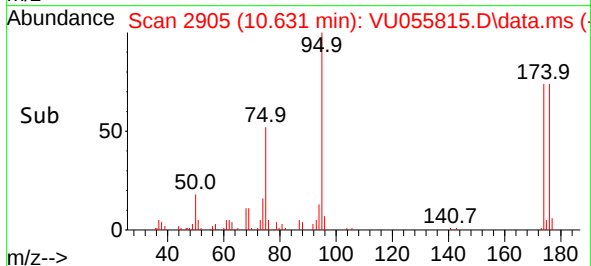
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion: 95 Resp: 35418
Ion Ratio Lower Upper
95 100
174 72.4 63.3 94.9
176 72.4 59.3 88.9

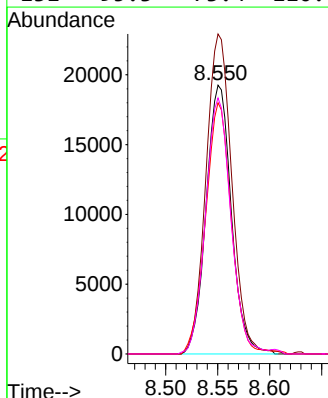
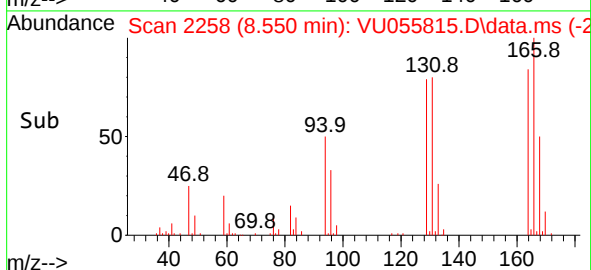
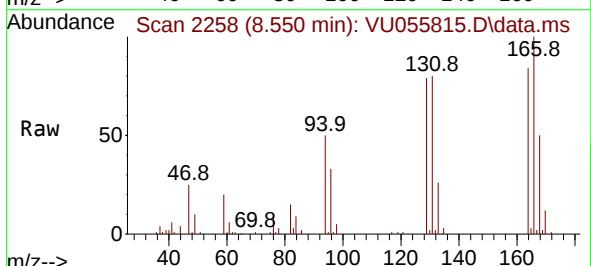
Manual Integrations
APPROVED

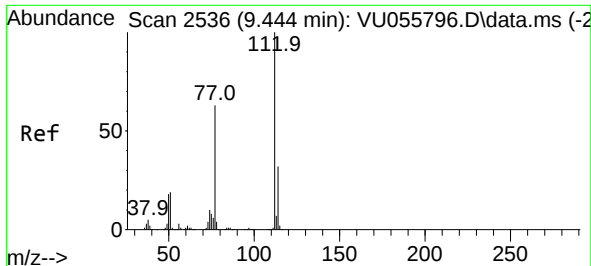
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#58
Tetrachloroethene
Concen: 1.035 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

Tgt Ion:164 Resp: 32568
Ion Ratio Lower Upper
164 100
166 119.1 99.6 149.4
129 93.5 78.6 117.8
131 95.3 73.4 110.0





#59

Chlorobenzene

Concen: 0.959 ug/l

RT: 9.447 min Scan# 2537

Delta R.T. 0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion:112 Resp: 7284

Ion Ratio Lower Upper

112 100

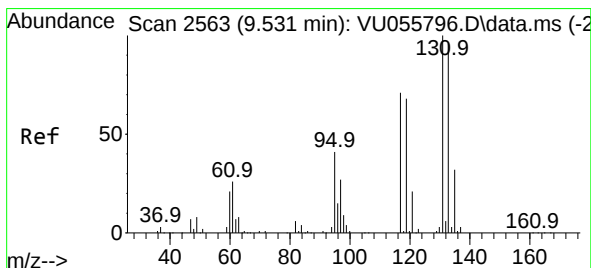
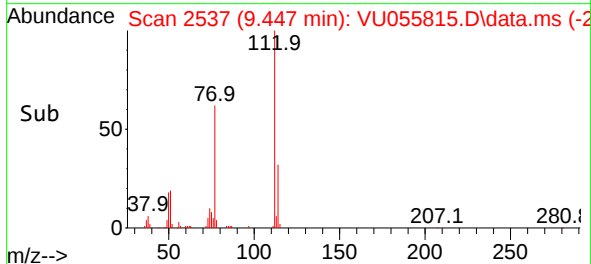
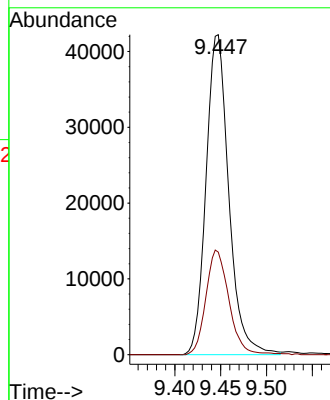
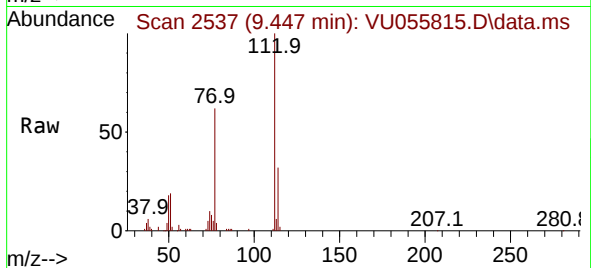
114 32.1 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#60

1,1,1,2-Tetrachloroethane

Concen: 0.920 ug/l

RT: 9.531 min Scan# 2563

Delta R.T. -0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

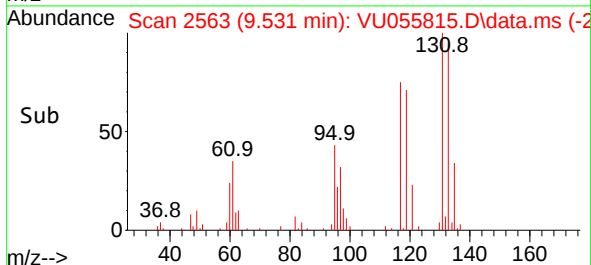
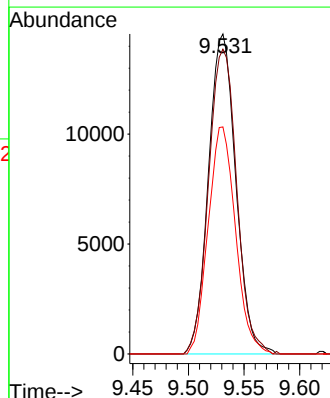
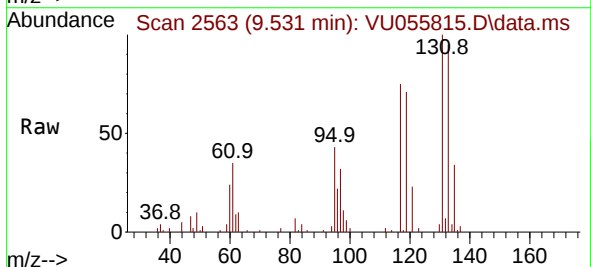
Tgt Ion:131 Resp: 24917

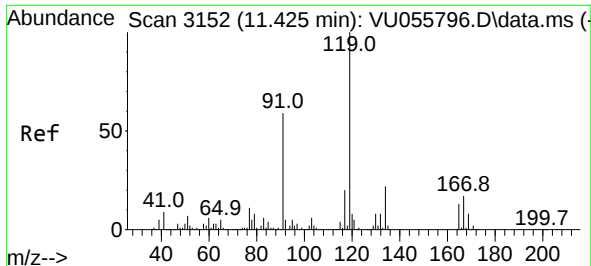
Ion Ratio Lower Upper

131 100

133 98.0 77.8 116.6

119 70.7 55.2 82.8





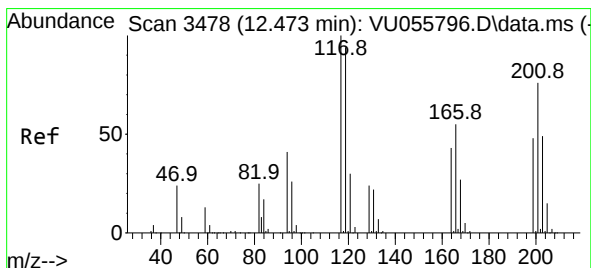
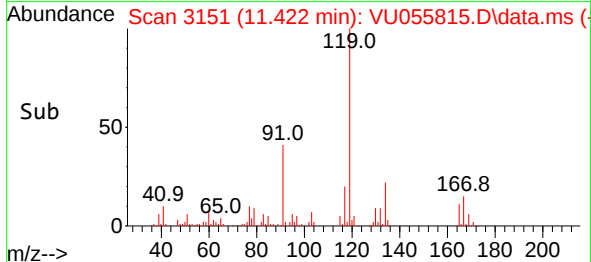
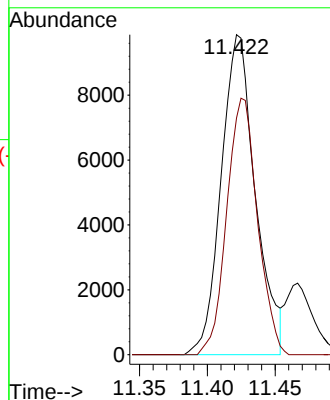
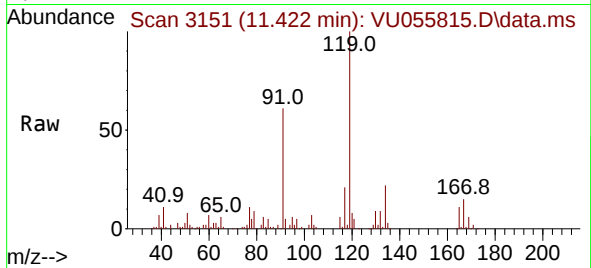
#61
Pentachloroethane
Concen: 0.944 ug/l
RT: 11.422 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

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

Tgt Ion:117 Resp: 17298
Ion Ratio Lower Upper
117 100
167 72.1 56.7 85.1

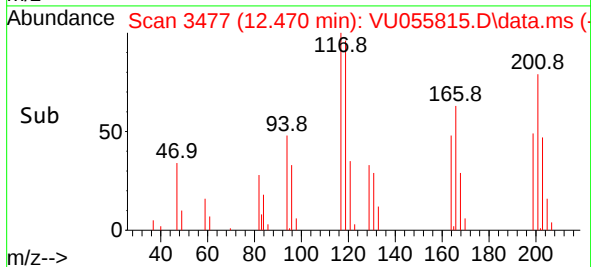
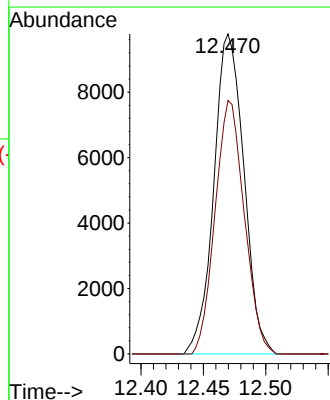
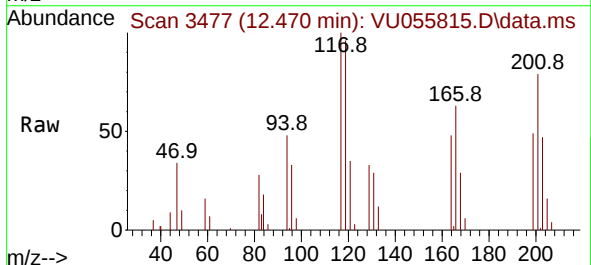
Manual Integrations
APPROVED

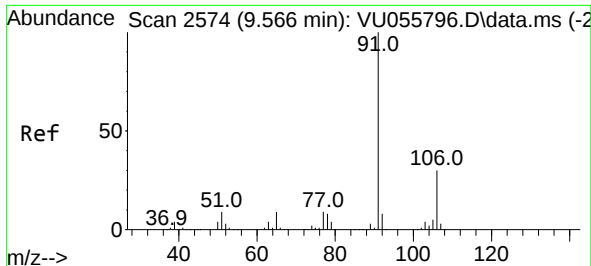
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#62
Hexachloroethane
Concen: 0.846 ug/l
RT: 12.470 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

Tgt Ion:117 Resp: 16408
Ion Ratio Lower Upper
117 100
201 76.9 59.6 89.4





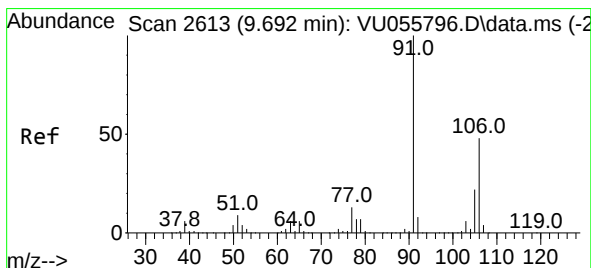
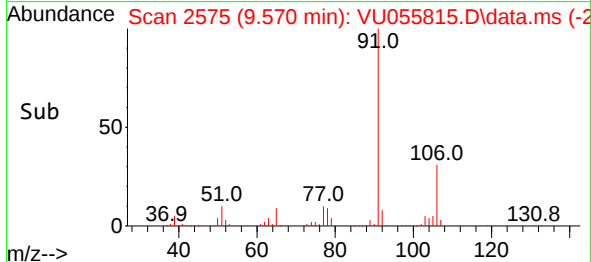
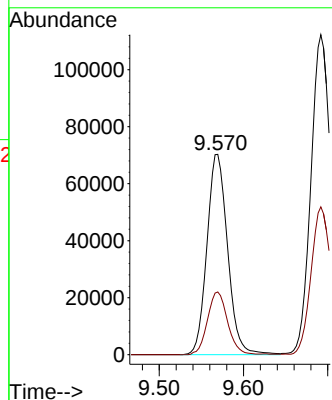
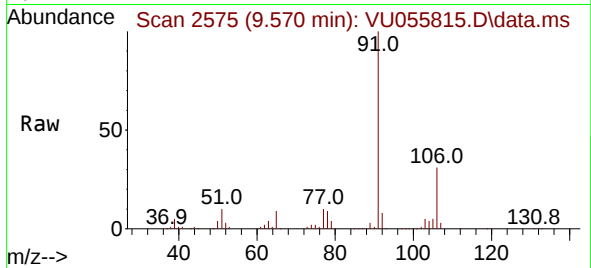
#63
Ethyl Benzene
Concen: 0.932 ug/l
RT: 9.570 min Scan# 2574
Delta R.T. 0.004 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

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

Tgt Ion: 91 Resp: 120162
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.2

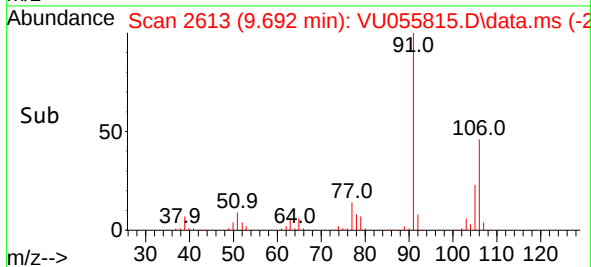
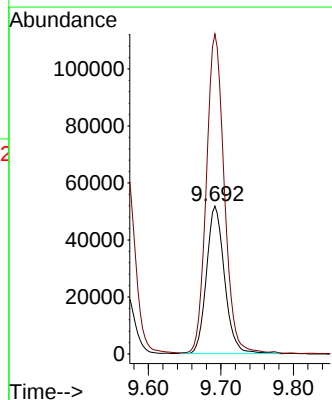
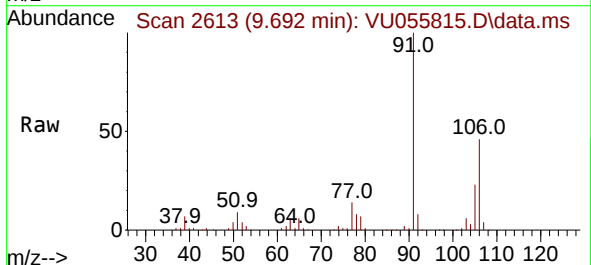
Manual Integrations
APPROVED

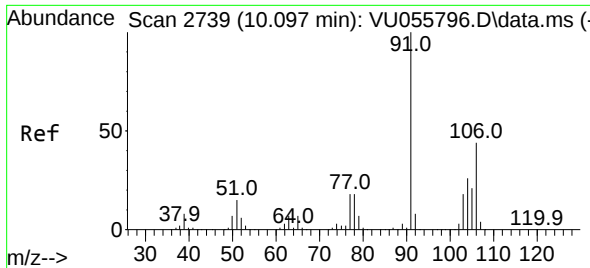
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#64
m/p-Xylenes
Concen: 1.805 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

Tgt Ion:106 Resp: 89499
Ion Ratio Lower Upper
106 100
91 213.7 167.3 250.9





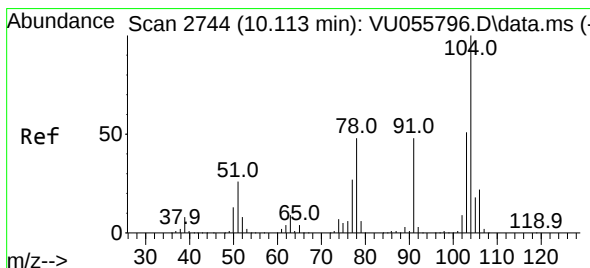
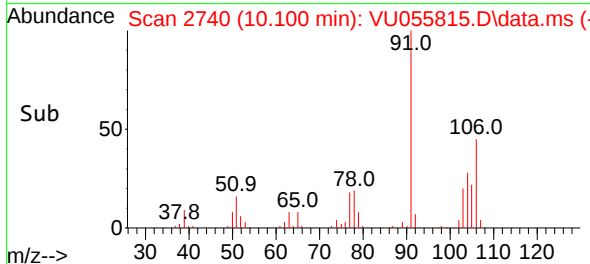
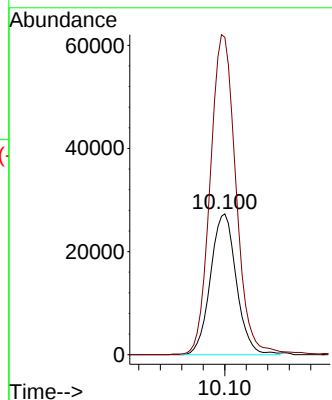
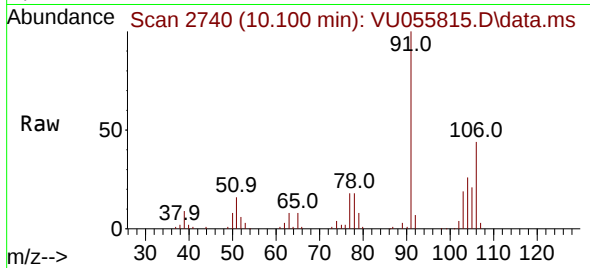
#65
o-Xylene
Concen: 0.938 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

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

Tgt Ion:106 Resp: 45649
Ion Ratio Lower Upper
106 100
91 226.9 109.3 327.9

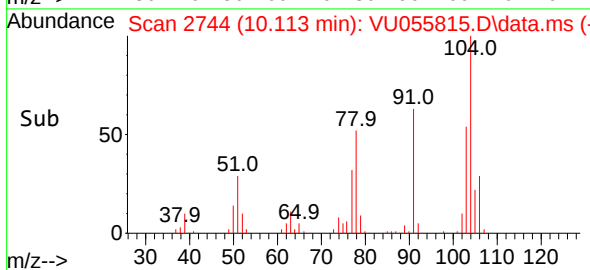
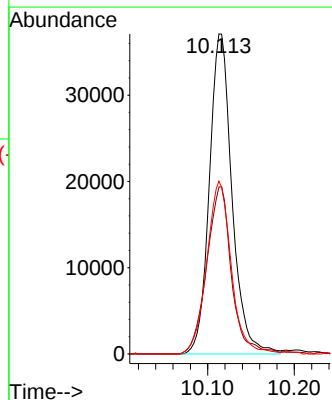
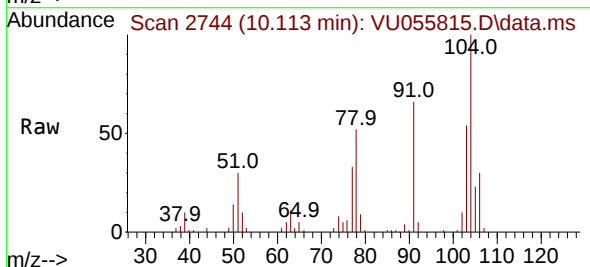
Manual Integrations
APPROVED

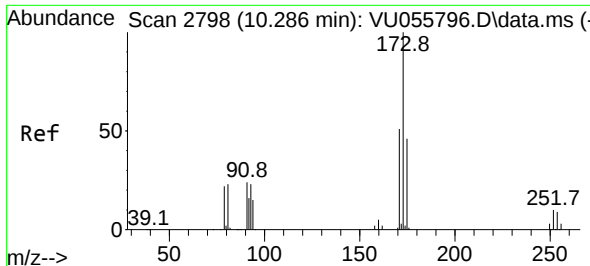
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#66
Styrene
Concen: 0.888 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

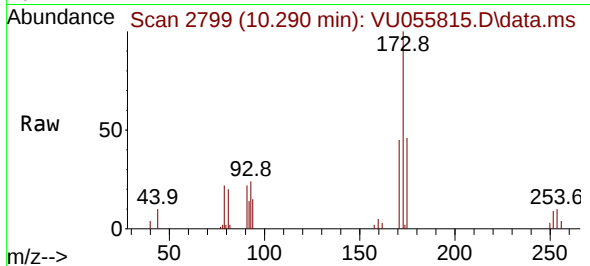
Tgt Ion:104 Resp: 67582
Ion Ratio Lower Upper
104 100
78 56.8 39.7 59.5
103 58.1 44.8 67.2





#67
Bromoform
Concen: 0.960 ug/l
RT: 10.290 min Scan# 2798
Delta R.T. 0.004 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

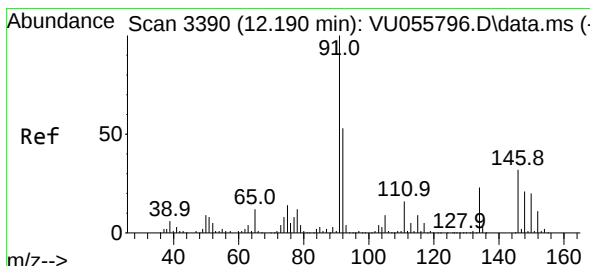
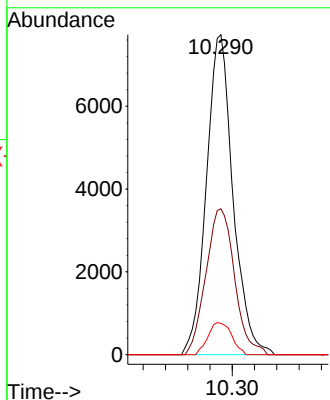
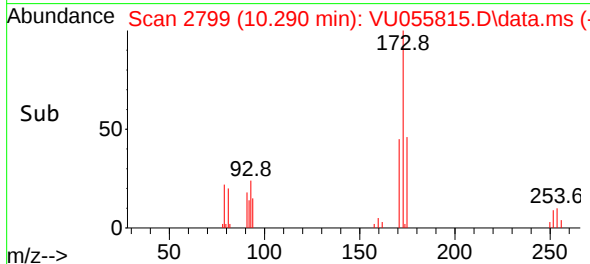
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



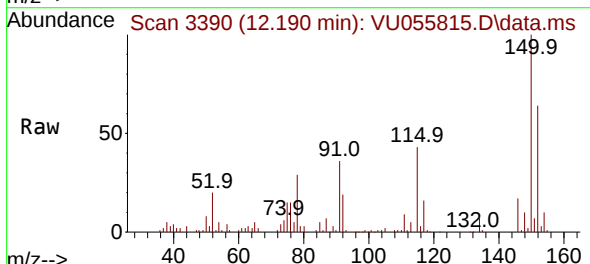
Tgt Ion:173 Resp: 1282
Ion Ratio Lower Upper
173 100
175 49.1 39.0 58.6
254 8.9 7.4 11.0

Manual Integrations
APPROVED

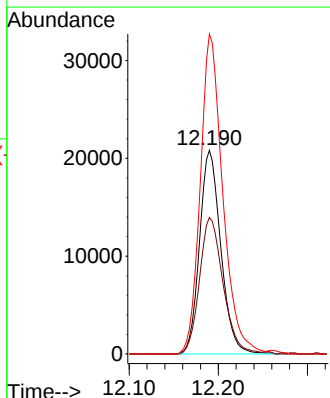
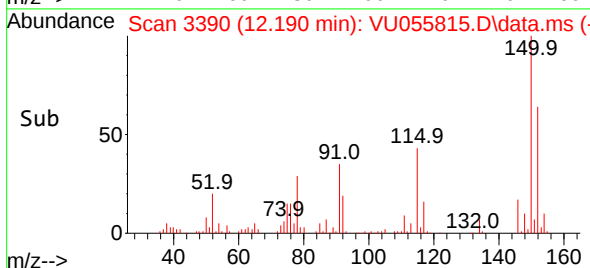
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

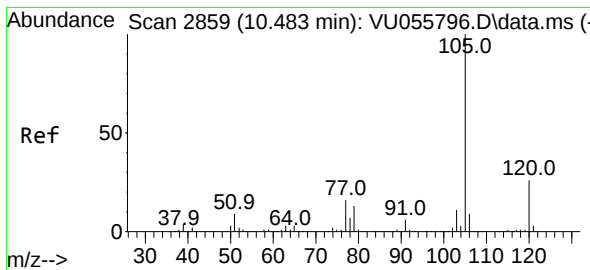


#68
1,2-Dichlorobenzene-d4
Concen: 0.985 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



Tgt Ion:152 Resp: 34526
Ion Ratio Lower Upper
152 100
115 74.2 0.0 308.8
150 165.9 0.0 635.0





#69

Isopropylbenzene

Concen: 0.933 ug/l

RT: 10.483 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

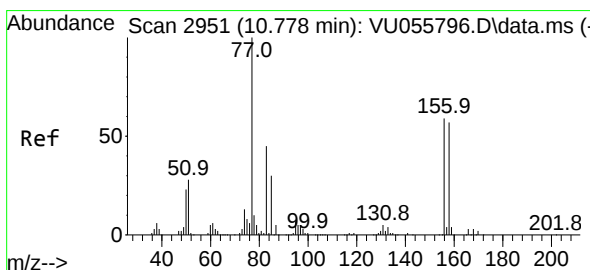
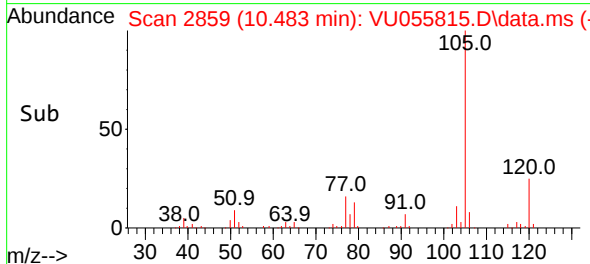
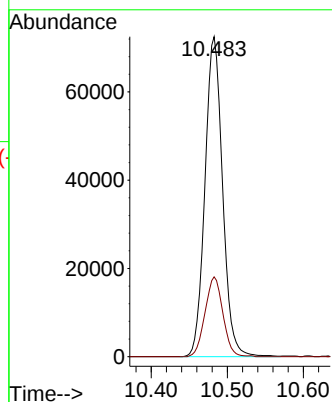
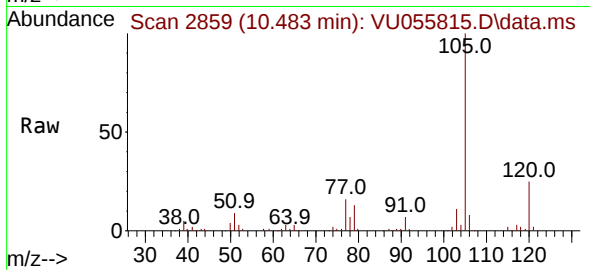
ClientSampleId :

LOQ-WATER-02-QT4-2023

Tgt Ion:105 Resp: 116892
 Ion Ratio Lower Upper
 105 100
 120 25.3 12.8 38.4

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/20/2023
 Supervised By :Mahesh Dadoda 10/25/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 0.987 ug/l

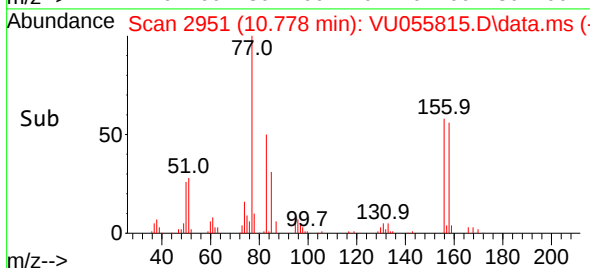
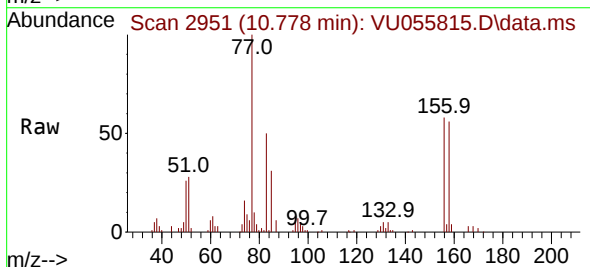
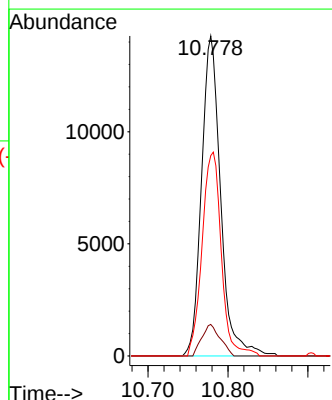
RT: 10.778 min Scan# 2951

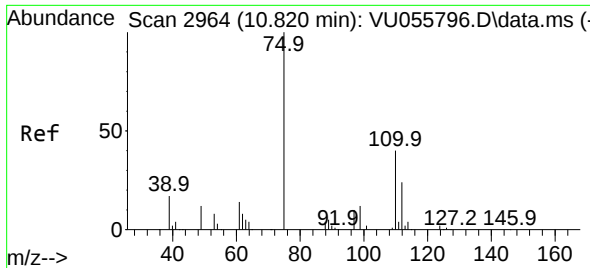
Delta R.T. 0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

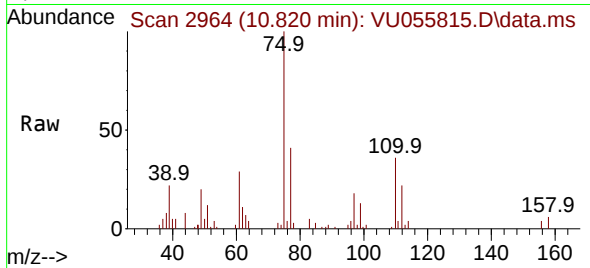
Tgt Ion: 83 Resp: 23777
 Ion Ratio Lower Upper
 83 100
 131 9.5 7.2 10.8
 85 63.9 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.849 ug/l m
RT: 10.820 min Scan# 2964
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

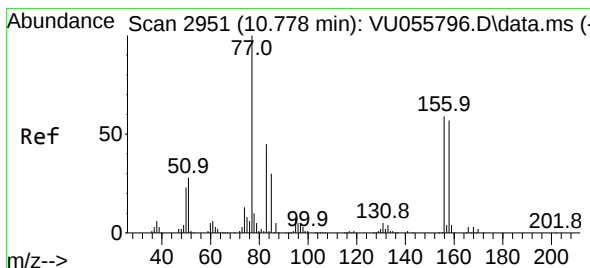
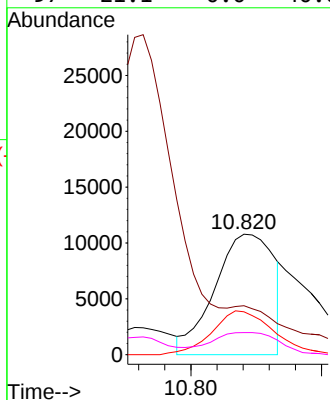
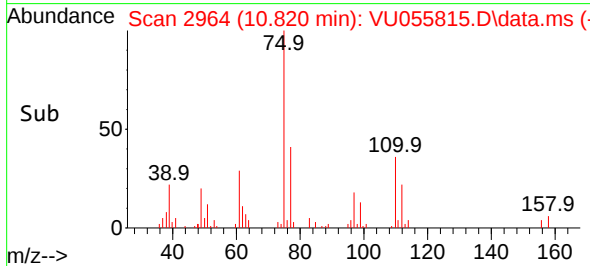
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



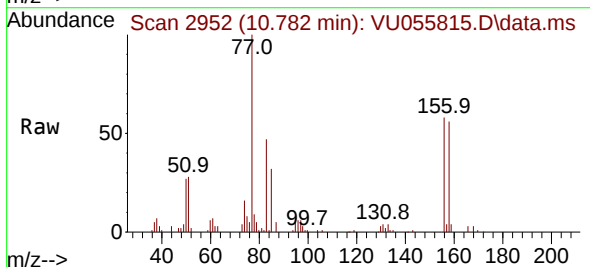
Tgt Ion: 75 Resp: 1696
Ion Ratio Lower Upper
75 100
77 0.0 0.0 116.4
110 37.7 0.0 74.6
97 21.1 0.0 40.0

Manual Integrations
APPROVED

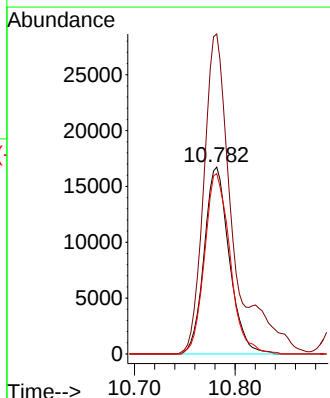
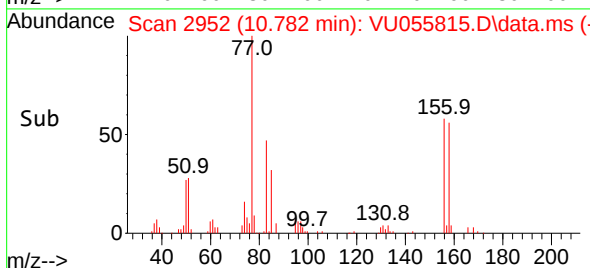
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

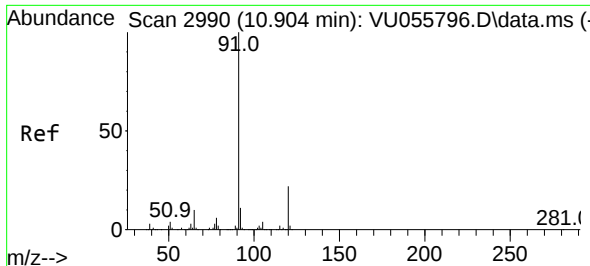


#72
Bromobenzene
Concen: 0.971 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



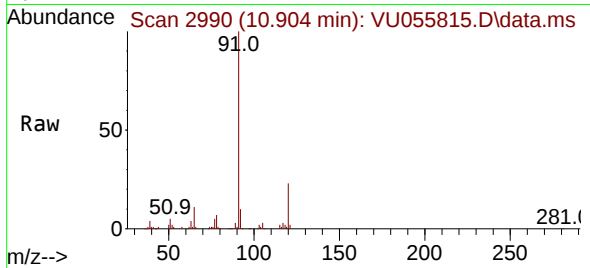
Tgt Ion:156 Resp: 29010
Ion Ratio Lower Upper
156 100
77 172.7 0.0 343.0
158 98.1 0.0 194.8





#73
n-propylbenzene
Concen: 0.873 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. -0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

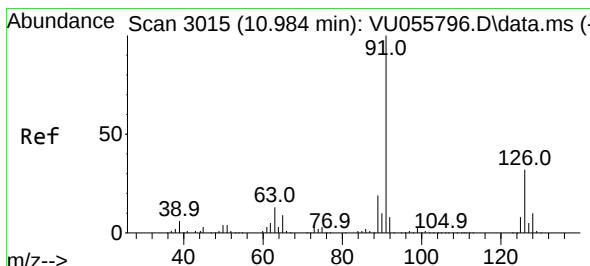
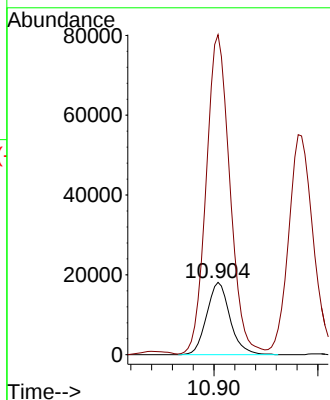
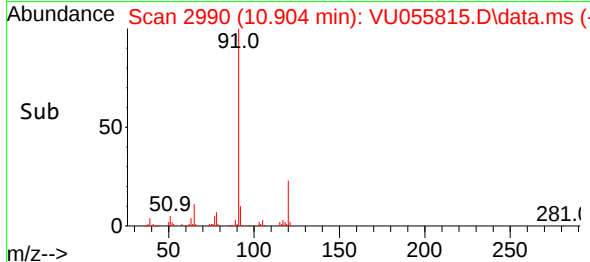
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion:120 Resp: 28150
Ion Ratio Lower Upper
120 100
91 450.0 369.8 554.6

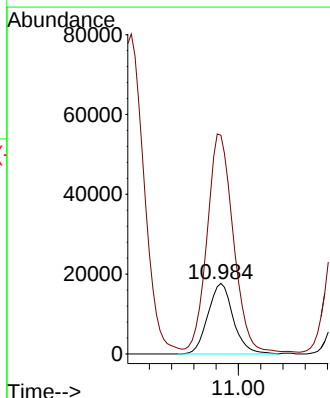
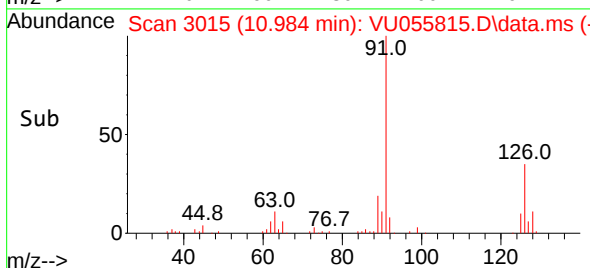
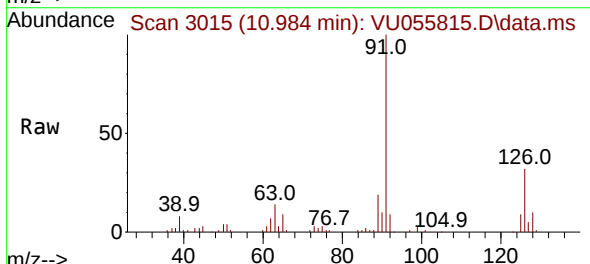
Manual Integrations
APPROVED

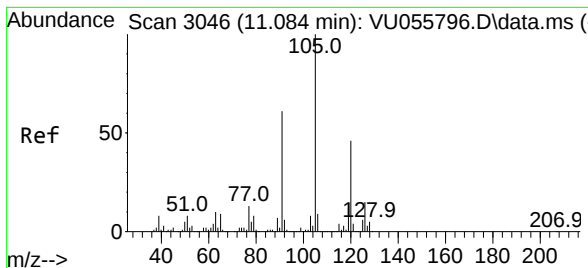
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#74
2-Chlorotoluene
Concen: 0.927 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

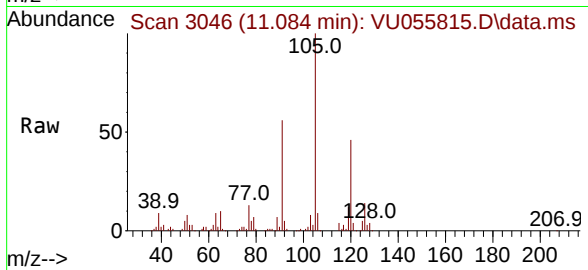
Tgt Ion:126 Resp: 27830
Ion Ratio Lower Upper
126 100
91 326.7 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 0.901 ug/l
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

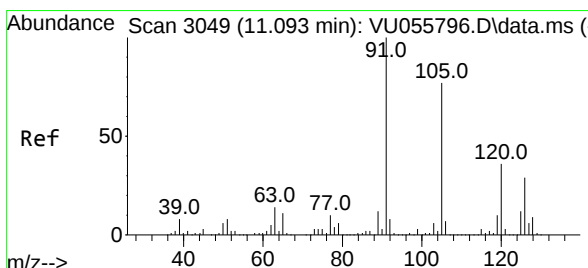
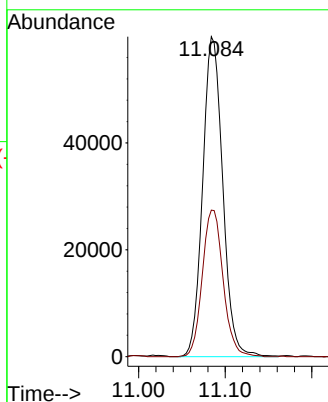
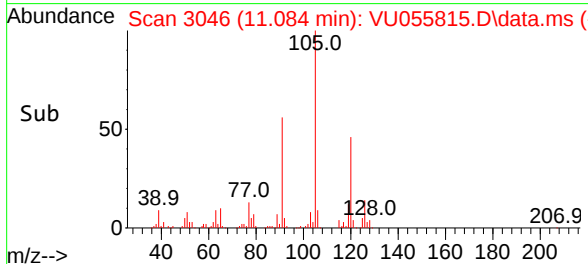
Instrument : MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



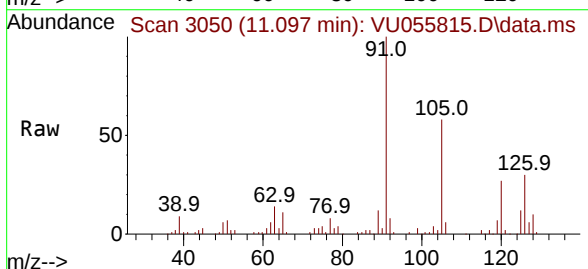
Tgt Ion:105 Resp: 96488
Ion Ratio Lower Upper
105 100
120 47.5 37.8 56.8

Manual Integrations
APPROVED

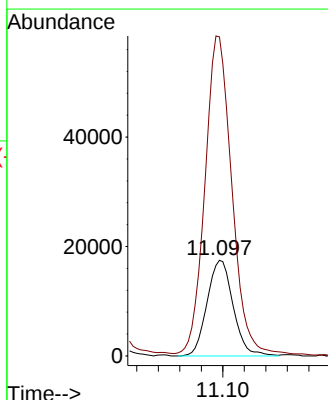
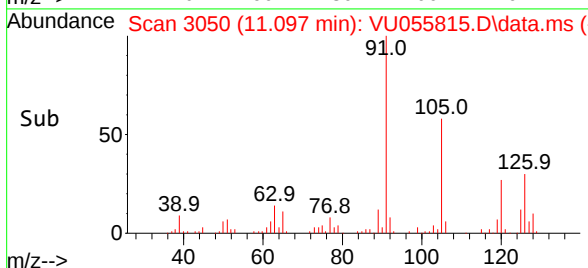
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

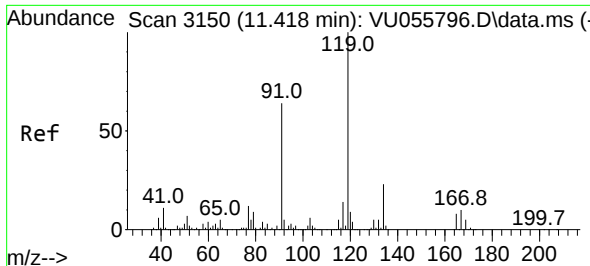


#76
4-Chlorotoluene
Concen: 0.962 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.004 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



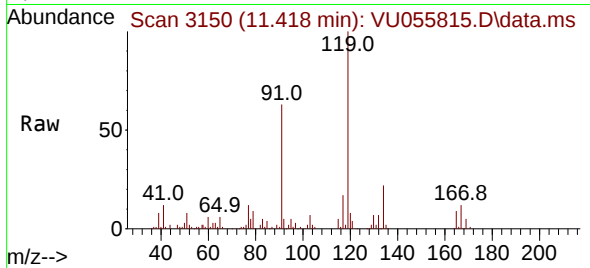
Tgt Ion:126 Resp: 29438
Ion Ratio Lower Upper
126 100
91 345.3 0.0 686.2





#77
tert-Butylbenzene
Concen: 0.883 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

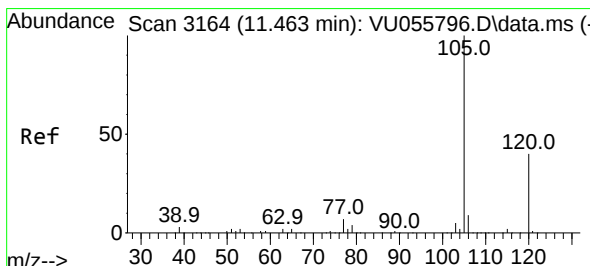
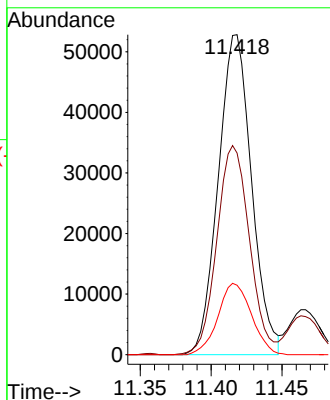
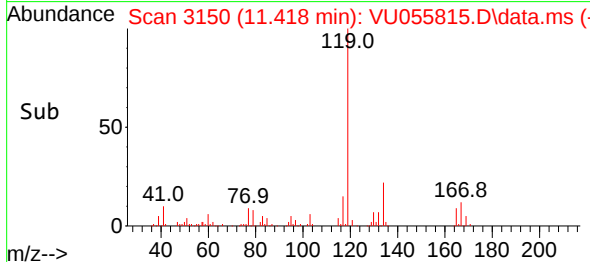
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



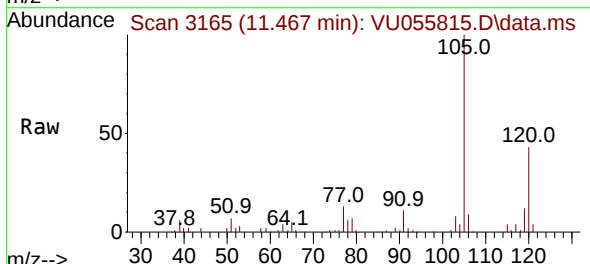
Tgt Ion:119 Resp: 8661
Ion Ratio Lower Upper
119 100
91 63.8 30.8 92.4
134 22.4 18.0 27.0

Manual Integrations
APPROVED

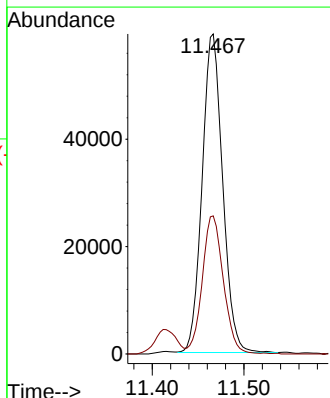
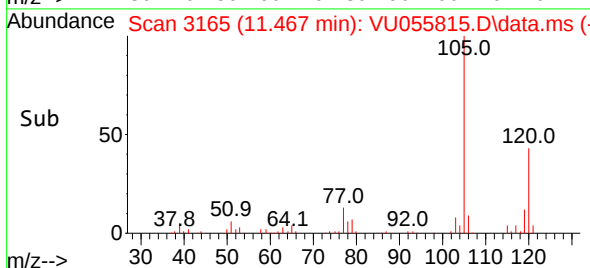
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

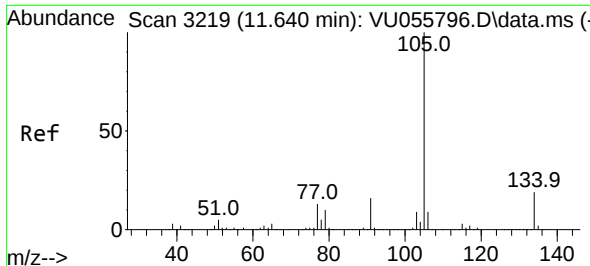


#78
1,2,4-Trimethylbenzene
Concen: 0.870 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



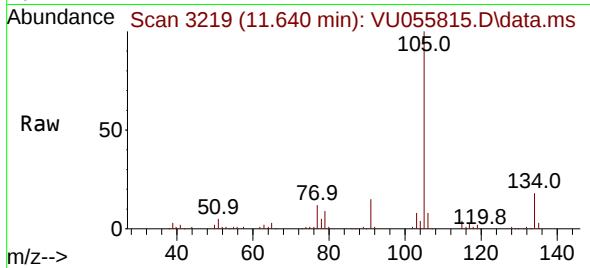
Tgt Ion:105 Resp: 92222
Ion Ratio Lower Upper
105 100
120 44.1 21.9 65.8





#79
sec-Butylbenzene
Concen: 0.863 ug/l
RT: 11.640 min Scan# 3219
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

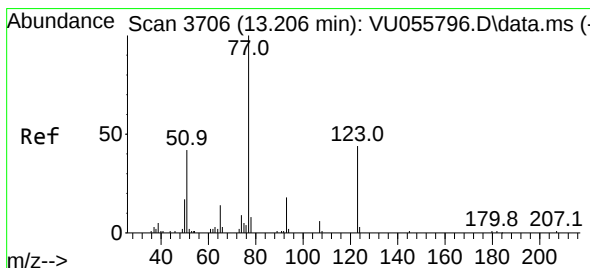
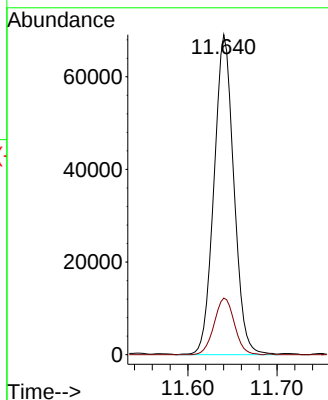
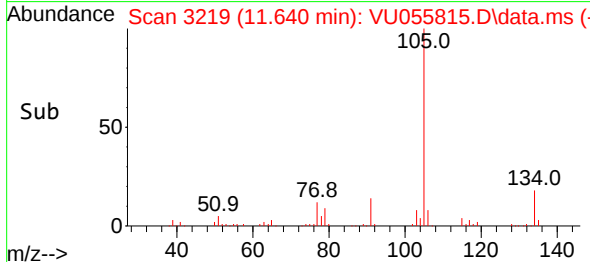
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



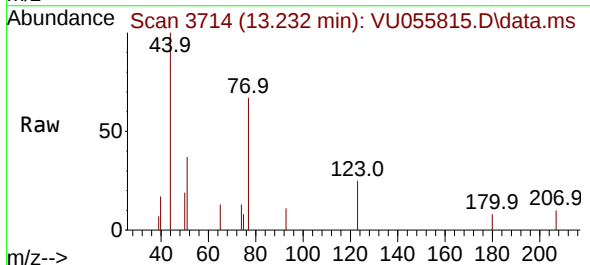
Tgt Ion:105 Resp: 106919
Ion Ratio Lower Upper
105 100
134 18.1 14.9 22.3

Manual Integrations
APPROVED

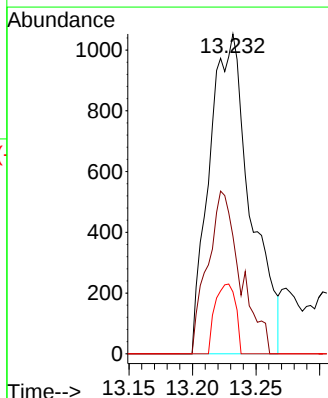
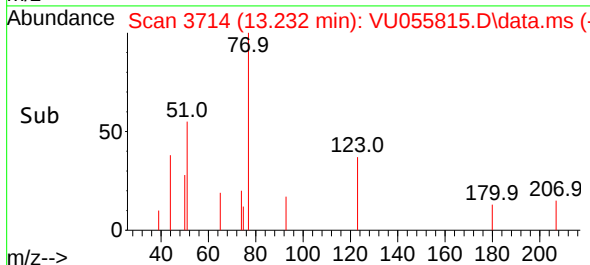
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

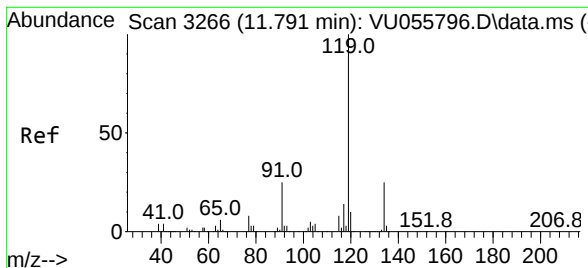


#80
Nitrobenzene
Concen: 3.686 ug/l m
RT: 13.232 min Scan# 3714
Delta R.T. 0.026 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



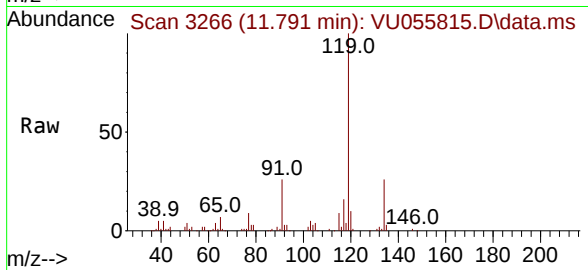
Tgt Ion: 77 Resp: 2350
Ion Ratio Lower Upper
77 100
123 41.0 19.7 69.7
65 10.9 11.5 14.7#





#81
p-Isopropyltoluene
Concen: 0.819 ug/l
RT: 11.791 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

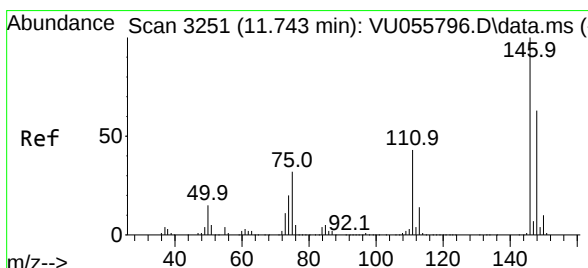
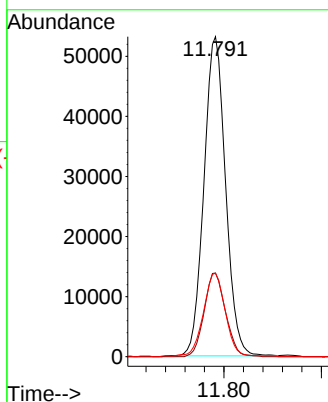
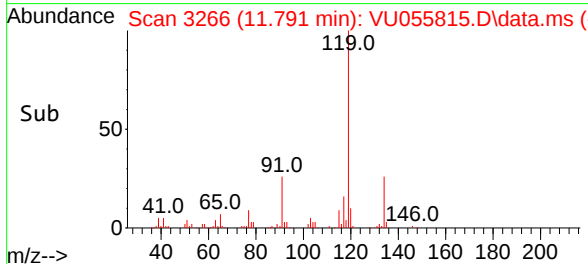
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



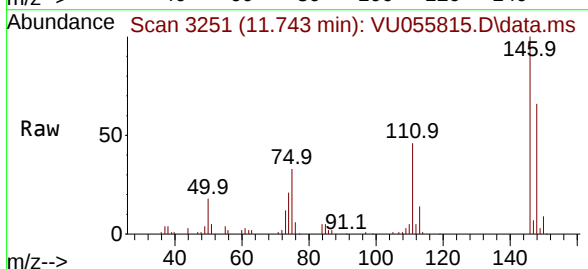
Tgt Ion:119 Resp: 81684
Ion Ratio Lower Upper
119 100
134 25.9 20.2 30.4
91 26.7 19.3 28.9

Manual Integrations
APPROVED

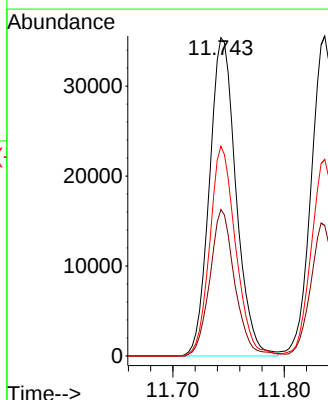
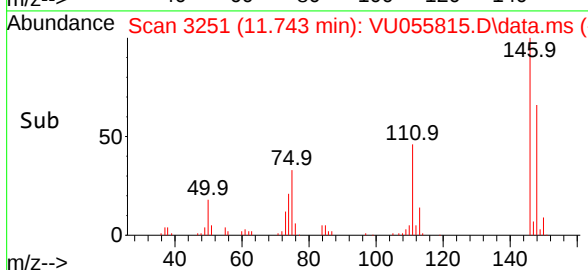
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

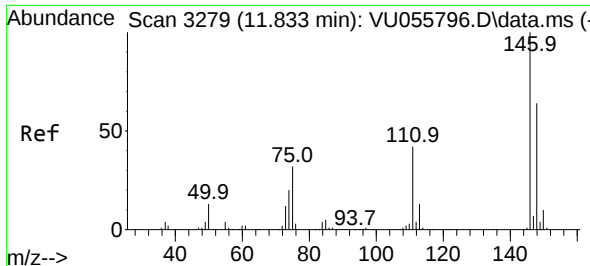


#82
1,3-Dichlorobenzene
Concen: 0.964 ug/l
RT: 11.743 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



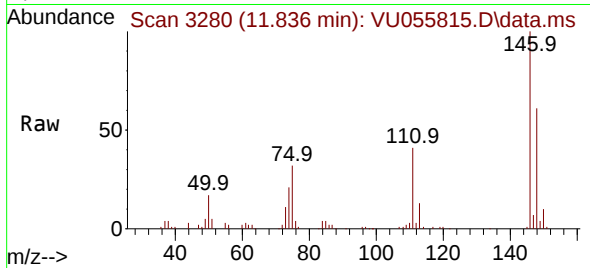
Tgt Ion:146 Resp: 58790
Ion Ratio Lower Upper
146 100
111 43.2 32.6 49.0
148 64.1 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 0.962 ug/l
RT: 11.836 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

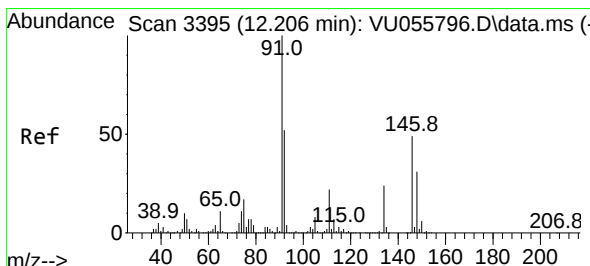
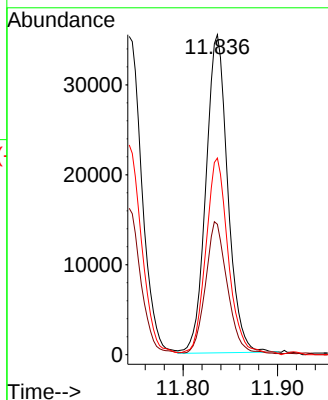
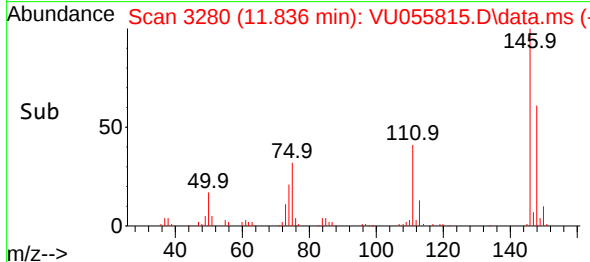
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



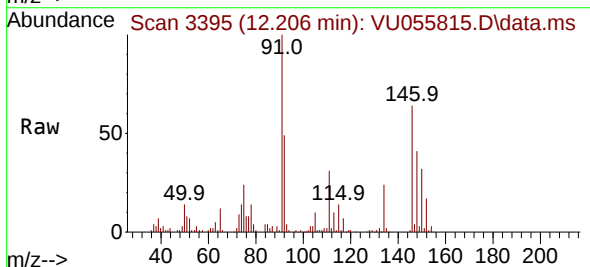
Tgt Ion:146 Resp: 56804
Ion Ratio Lower Upper
146 100
111 41.5 31.6 47.4
148 63.9 50.3 75.5

Manual Integrations
APPROVED

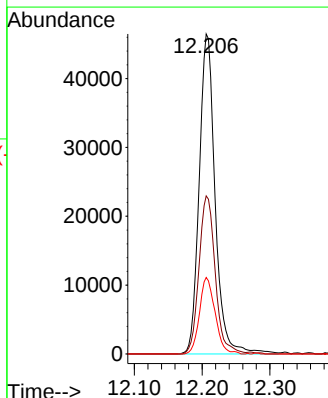
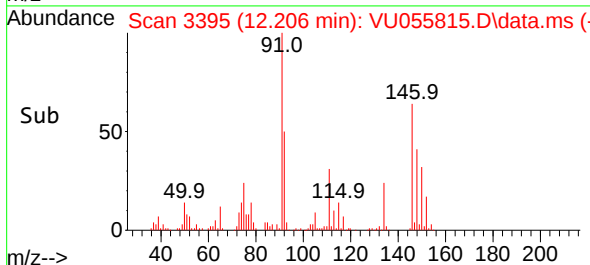
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023

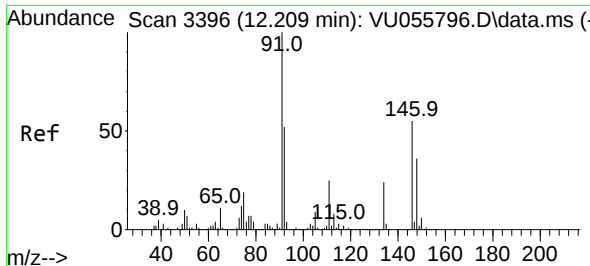


#84
n-Butylbenzene
Concen: 0.895 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41



Tgt Ion: 91 Resp: 76162
Ion Ratio Lower Upper
91 100
92 50.2 40.8 61.2
134 23.4 18.4 27.6





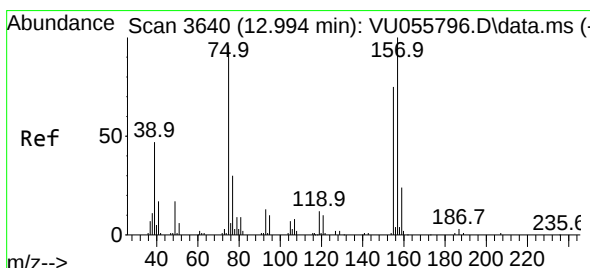
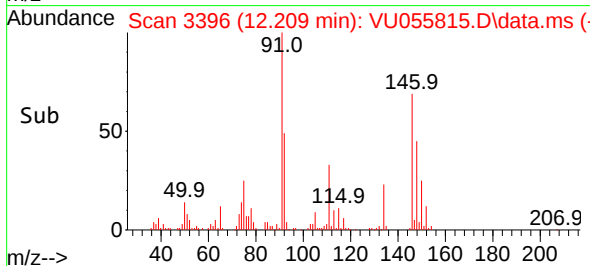
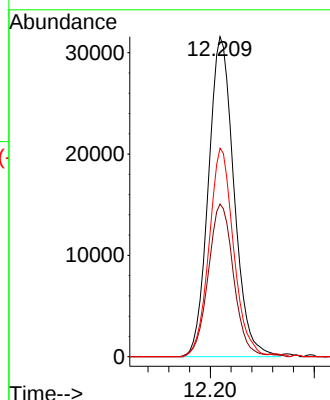
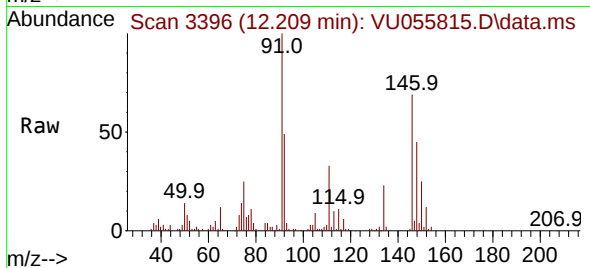
#85
1,2-Dichlorobenzene
Concen: 0.966 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

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

Tgt Ion:146 Resp: 5382
Ion Ratio Lower Upper
146 100
111 47.6 21.6 64.6
148 62.8 32.1 96.5

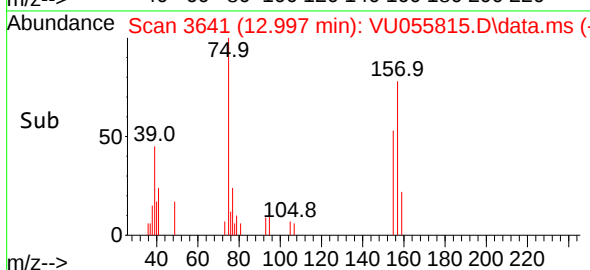
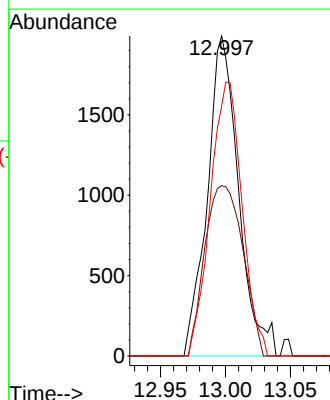
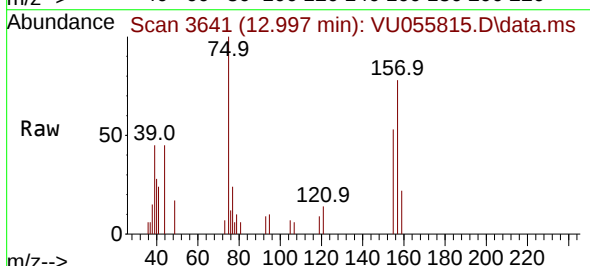
Manual Integrations
APPROVED

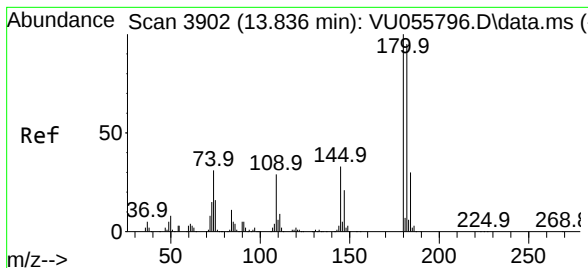
Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.969 ug/l
RT: 12.997 min Scan# 3641
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

Tgt Ion: 75 Resp: 3335
Ion Ratio Lower Upper
75 100
155 65.1 61.8 92.8
157 86.6 80.2 120.4





#87

1,2,4-Trichlorobenzene

Concen: 0.941 ug/l

RT: 13.839 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

Instrument :

MSVOA_U

ClientSampleId :

LOQ-WATER-02-QT4-2023

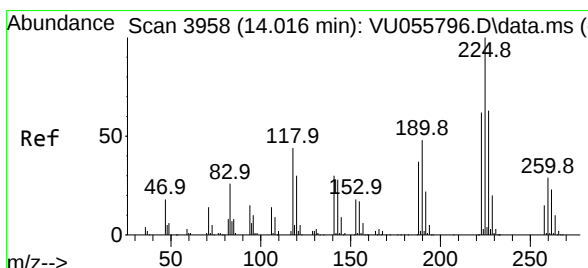
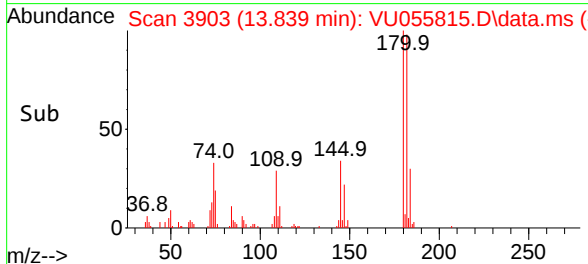
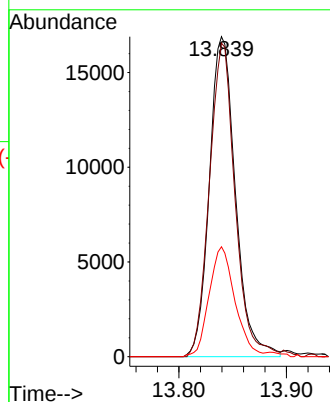
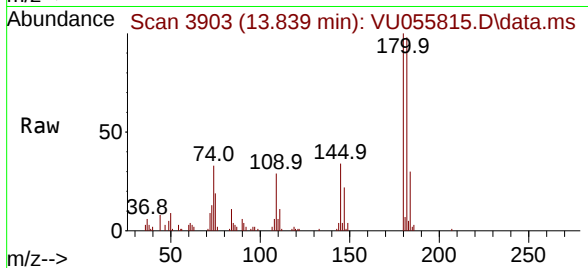
Tgt Ion:180	Resp:	2846
Ion Ratio	Lower	Upper
180	100	
182	96.2	75.8 113.6
145	33.9	23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/20/2023

Supervised By :Mahesh Dadoda 10/25/2023



#88

Hexachlorobutadiene

Concen: 0.868 ug/l

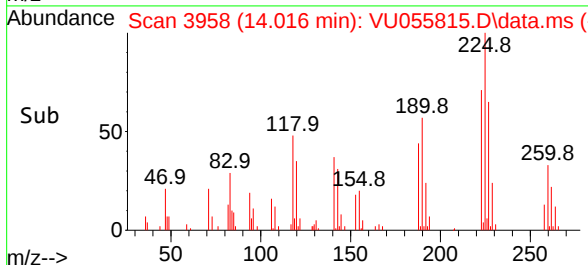
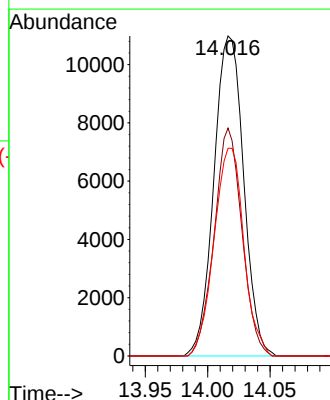
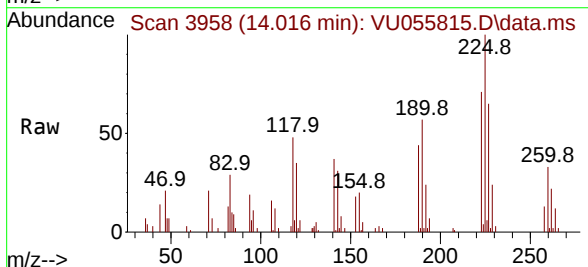
RT: 14.016 min Scan# 3958

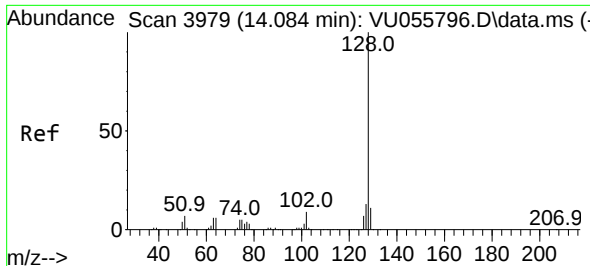
Delta R.T. 0.000 min

Lab File: VU055815.D

Acq: 19 Oct 2023 17:41

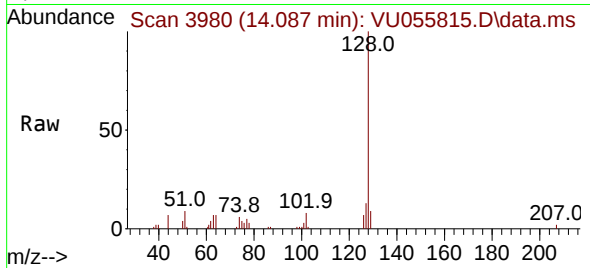
Tgt Ion:225	Resp:	18247
Ion Ratio	Lower	Upper
225	100	
223	66.4	50.2 75.4
227	64.9	51.5 77.3





#89
Naphthalene
Concen: 0.865 ug/l
RT: 14.087 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

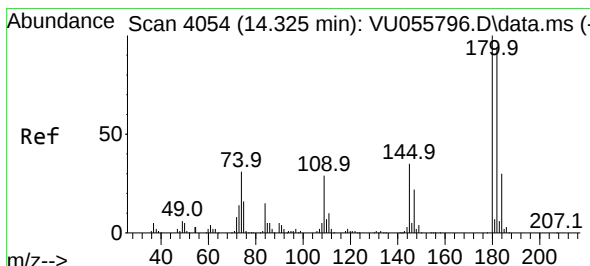
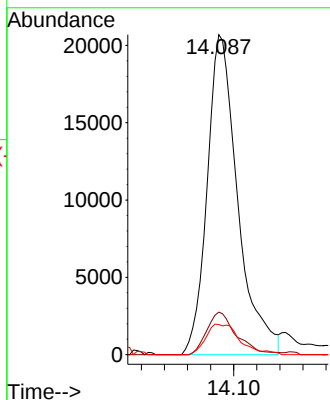
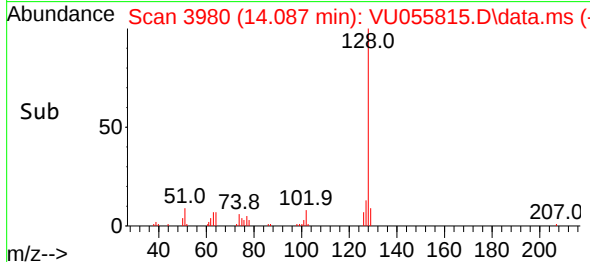
Instrument :
MSVOA_U
ClientSampleId :
LOQ-WATER-02-QT4-2023



Tgt Ion:128 Resp: 3801
Ion Ratio Lower Upper
128 100
127 13.0 10.9 16.3
129 10.7 8.6 12.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2023
Supervised By :Mahesh Dadoda 10/25/2023



#90
1,2,3-Trichlorobenzene
Concen: 0.938 ug/l
RT: 14.328 min Scan# 4055
Delta R.T. 0.003 min
Lab File: VU055815.D
Acq: 19 Oct 2023 17:41

Tgt Ion:180 Resp: 24335
Ion Ratio Lower Upper
180 100
182 95.2 75.7 113.5
145 35.9 26.1 39.1

