

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055803.D
 Acq On : 18 Oct 2023 17:06
 Operator : MD/SY
 Sample : 04699-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023

Quant Time: Oct 19 04:19:55 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U101823DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Thu Oct 19 04:18:56 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Fluorobenzene	6.113	96	95116	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.634	95	33906	0.904	ug/l	0.00
Spiked Amount 1.000			Recovery	=	90.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	31591	0.908	ug/l	0.00
Spiked Amount 1.000			Recovery	=	91.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	12962	0.351	ug/l	99
3) Chloromethane	1.515	50	12183	0.386	ug/l	95
4) Vinyl Chloride	1.602	62	11600	0.359	ug/l	96
5) Bromomethane	1.856	94	7962	0.447	ug/l	98
6) Chloroethane	1.933	64	5713	0.365	ug/l	97
7) Trichlorofluoromethane	2.136	101	15213	0.357	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.579	101	10047	0.353	ug/l	93
9) 1,1-Dichloroethene	2.579	96	9241	0.348	ug/l	93
10) Iodomethane	2.721	142	11779	0.298	ug/l	91
11) Allyl Chloride	2.923	41	12313	0.357	ug/l	100
12) Acrylonitrile	3.341	53	3712m	0.745	ug/l	
13) Acetone	2.644	43	18144	1.706	ug/l	92
14) Carbon Disulfide	2.792	76	31767	0.367	ug/l	100
15) Methylene Chloride	3.039	84	14699	0.470	ug/l	92
16) trans-1,2-Dichloroethene	3.354	96	10700	0.381	ug/l	89
17) 1,1-Dichloroethane	3.862	63	19674	0.376	ug/l	97
18) 2-Butanone	4.734	43	17471	1.525	ug/l	97
19) Cyclohexane	5.386	56	14880m	0.334	ug/l	
20) Methylcyclohexane	6.759	83	14491	0.313	ug/l	94
21) 2,2-Dichloropropane	4.660	77	16483	0.374	ug/l	97
22) cis-1,2-Dichloroethene	4.666	96	10825	0.361	ug/l	99
23) Diethyl Ether	2.374	59	6002	0.378	ug/l	97
24) tert-Butyl Alcohol	3.190	59	8986m	5.524	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	19858	0.348	ug/l	99
26) Bromochloromethane	4.981	128	4661	0.367	ug/l	95
27) Chloroform	5.084	83	20485	0.382	ug/l	91
28) 1,1,1-Trichloroethane	5.309	97	16996	0.353	ug/l	96
29) 1,1-Dichloropropene	5.525	75	13249	0.348	ug/l	99
30) Carbon Tetrachloride	5.518	117	14106	0.336	ug/l	92
31) Isopropyl Ether	3.988	45	25341	0.361	ug/l	99
32) Ethyl-t-butyl ether	4.496	59	24672	0.364	ug/l	96
33) Tert-Amyl methyl ether	5.936	73	21278	0.366	ug/l	98
34) Propionitrile	4.827	54	2841m	1.567	ug/l	
35) Benzene	5.772	78	40455	0.351	ug/l	98
36) 1,2-Dichloroethane	5.798	62	12196	0.389	ug/l	99
37) Trichloroethene	6.544	130	11422	0.380	ug/l	94
38) 1,2-Dichloropropane	6.788	63	11405	0.378	ug/l	91
39) Methacrylonitrile	4.994	41	2000	0.296	ug/l #	81
40) Methyl acrylate	4.882	55	3848m	0.353	ug/l	
41) Tetrahydrofuran	5.074	42	2629m	0.686	ug/l	
42) 1-Chlorobutane	5.460	56	18530	0.365	ug/l	92
43) Dibromomethane	6.917	93	5194	0.363	ug/l	95
44) Bromodichloromethane	7.106	83	13979	0.369	ug/l	100

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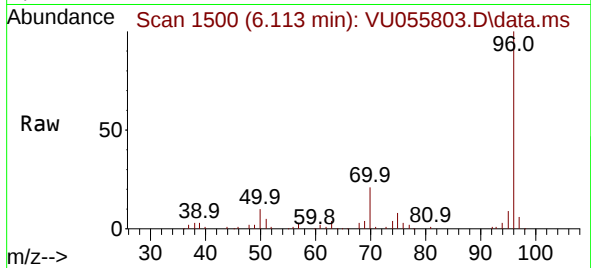
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	26861	1.813	ug/l	99
46) t-1,4-Dichloro-2-butene	10.839	75	2490m	0.423	ug/l	
47) Methyl methacrylate	6.965	69	7862	0.665	ug/l	93
48) Ethyl methacrylate	8.338	69	7568	0.337	ug/l	93
49) Toluene	7.968	92	22970	0.336	ug/l	95
50) t-1,3-Dichloropropene	8.209	75	11240	0.336	ug/l	92
51) cis-1,3-Dichloropropene	7.608	75	13710	0.334	ug/l	95
52) 1,1,2-Trichloroethane	8.402	97	7800	0.381	ug/l	94
53) 1,3-Dichloropropane	8.573	76	12913	0.369	ug/l	100
54) 2-Hexanone	8.692	43	26414	1.592	ug/l	97
55) Dibromochloromethane	8.807	129	8713	0.353	ug/l	99
56) 1,2-Dibromoethane	8.923	107	6759	0.362	ug/l	95
58) Tetrachloroethene	8.550	164	12514	0.401	ug/l	95
59) Chlorobenzene	9.447	112	26460	0.351	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.531	131	9338	0.347	ug/l	98
61) Pentachloroethane	11.421	117	6786	0.373	ug/l	100
62) Hexachloroethane	12.466	117	5605	0.291	ug/l	99
63) Ethyl Benzene	9.569	91	44093	0.344	ug/l	100
64) m/p-Xylenes	9.692	106	30387	0.618	ug/l	95
65) o-Xylene	10.100	106	15624	0.324	ug/l	92
66) Styrene	10.116	104	23317	0.309	ug/l	95
67) Bromoform	10.290	173	4421	0.333	ug/l	95
69) Isopropylbenzene	10.483	105	39408	0.317	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.778	83	8598	0.359	ug/l #	98
71) 1,2,3-Trichloropropane	10.817	75	7729m	0.390	ug/l	
72) Bromobenzene	10.782	156	11220	0.378	ug/l	92
73) n-propylbenzene	10.907	120	9967	0.311	ug/l	98
74) 2-Chlorotoluene	10.987	126	10078	0.338	ug/l	98
75) 1,3,5-Trimethylbenzene	11.087	105	33244	0.313	ug/l	94
76) 4-Chlorotoluene	11.100	126	10397	0.342	ug/l	95
77) tert-Butylbenzene	11.418	119	29567	0.304	ug/l	95
78) 1,2,4-Trimethylbenzene	11.466	105	32330	0.307	ug/l	98
79) sec-Butylbenzene	11.640	105	38269	0.311	ug/l	98
80) Nitrobenzene	13.241	77	1265	1.999	ug/l #	55
81) p-Isopropyltoluene	11.791	119	32665	0.330	ug/l	99
82) 1,3-Dichlorobenzene	11.746	146	21792	0.360	ug/l	97
83) 1,4-Dichlorobenzene	11.839	146	22153	0.378	ug/l	98
84) n-Butylbenzene	12.206	91	33701	0.399	ug/l	99
85) 1,2-Dichlorobenzene	12.212	146	20803	0.376	ug/l	97
86) 1,2-Dibromo-3-Chloropr...	13.007	75	1267	0.371	ug/l #	60
87) 1,2,4-Trichlorobenzene	13.839	180	13358	0.445	ug/l	97
88) Hexachlorobutadiene	14.016	225	7430	0.356	ug/l	93
89) Naphthalene	14.090	128	23146	0.530	ug/l	96
90) 1,2,3-Trichlorobenzene	14.331	180	12188	0.473	ug/l	97

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.113 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU055803.D
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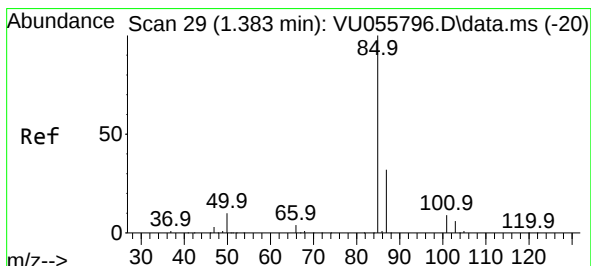
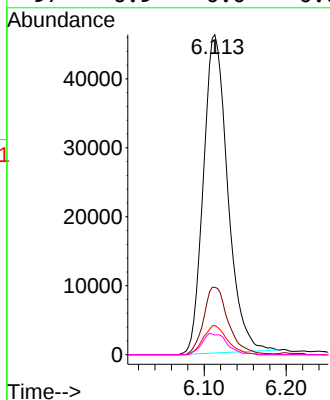
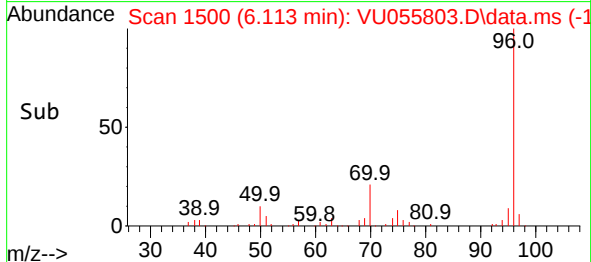
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 96 Resp: 95110
Ion Ratio Lower Upper
96 100
70 21.2 16.5 24.7
95 9.0 7.4 11.0
97 6.9 0.0 0.0#

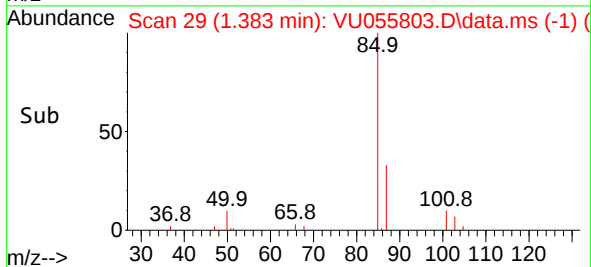
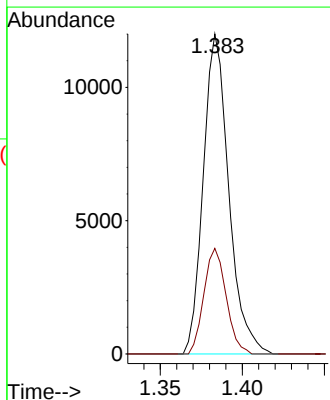
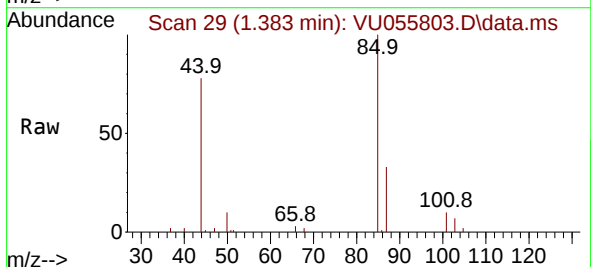
Manual Integrations
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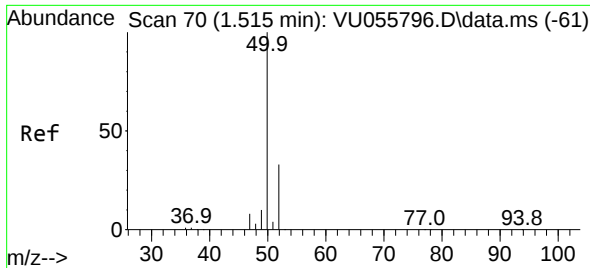
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#2
Dichlorodifluoromethane
Concen: 0.351 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

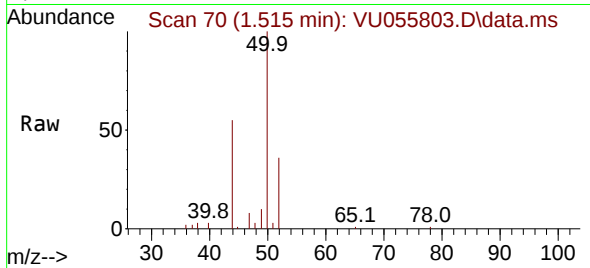
Tgt Ion: 85 Resp: 12962
Ion Ratio Lower Upper
85 100
87 33.0 16.2 48.6





#3
Chloromethane
Concen: 0.386 ug/l
RT: 1.515 min Scan# 70
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

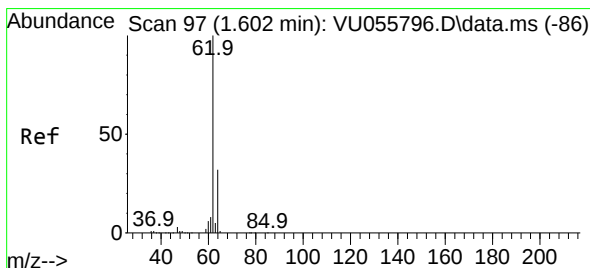
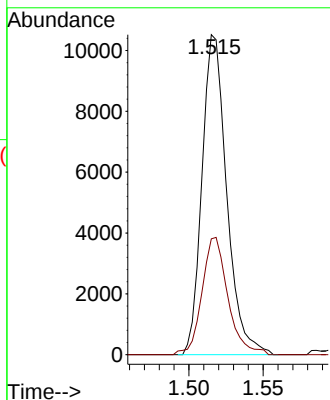
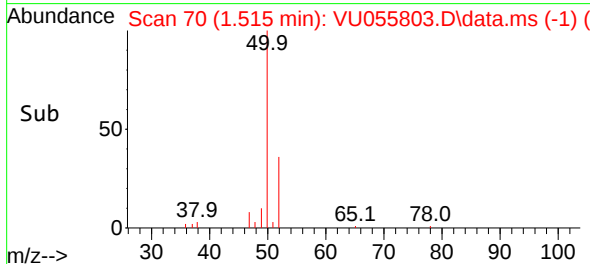
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 50 Resp: 1218
Ion Ratio Lower Upper
50 100
52 36.2 26.6 40.0

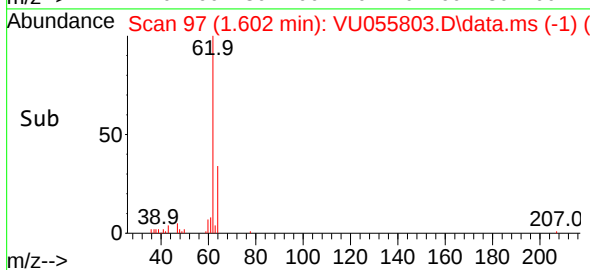
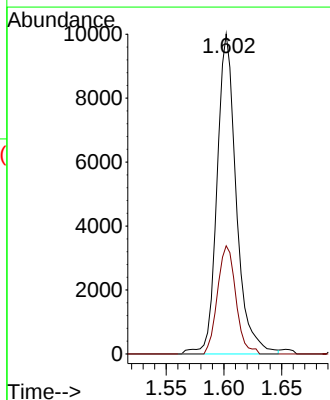
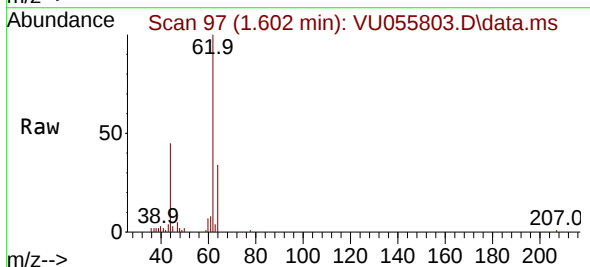
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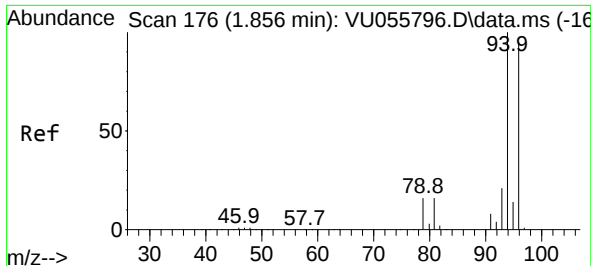
Reviewed By :John Carlone 10/19/2023
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#4
Vinyl Chloride
Concen: 0.359 ug/l
RT: 1.602 min Scan# 97
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

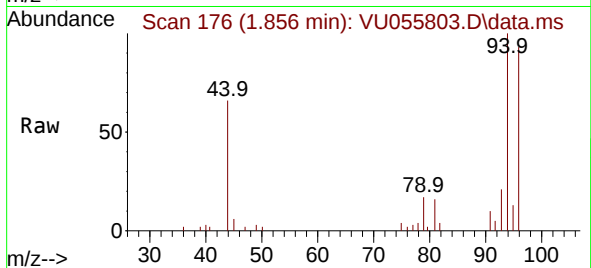
Tgt Ion: 62 Resp: 11600
Ion Ratio Lower Upper
62 100
64 33.8 25.4 38.2





#5
Bromomethane
Concen: 0.447 ug/l
RT: 1.856 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

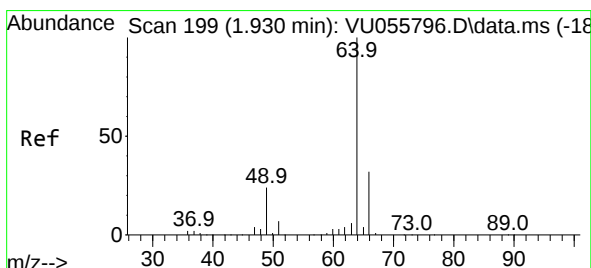
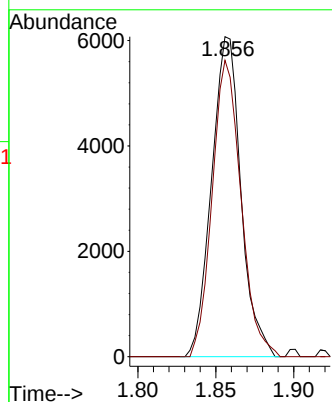
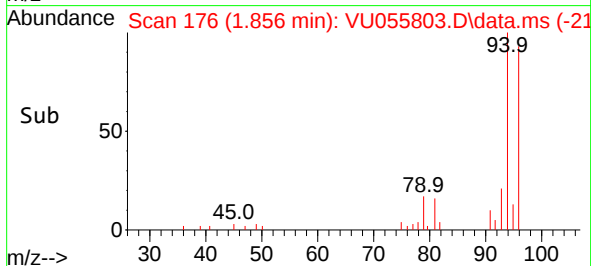
Instrument :
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Tgt Ion: 94 Resp: 7962
Ion Ratio Lower Upper
94 100
96 92.6 75.4 113.2

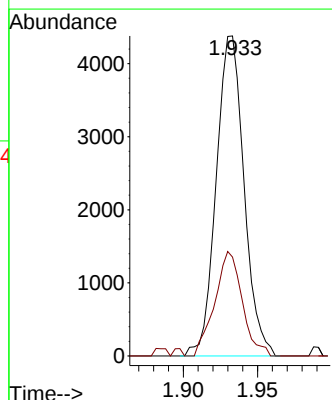
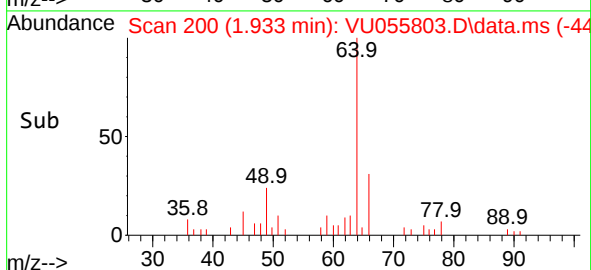
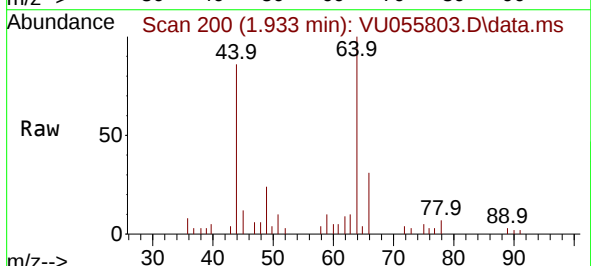
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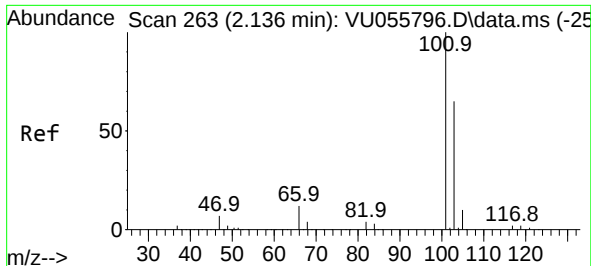
Reviewed By :John Carlone 10/19/2023
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#6
Chloroethane
Concen: 0.365 ug/l
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion: 64 Resp: 5713
Ion Ratio Lower Upper
64 100
66 30.9 26.0 39.0





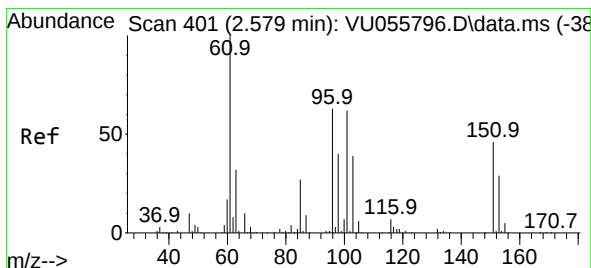
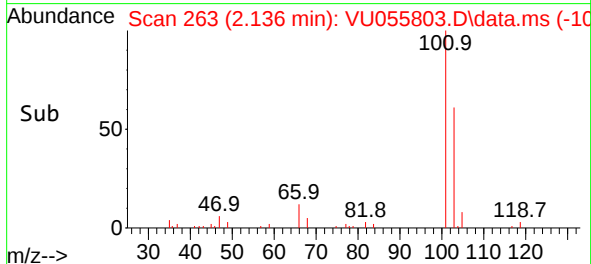
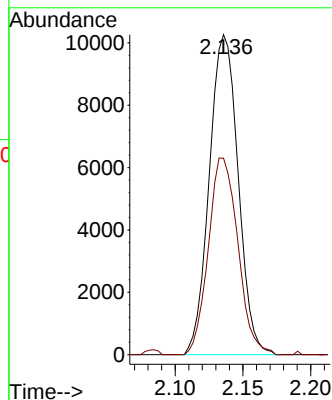
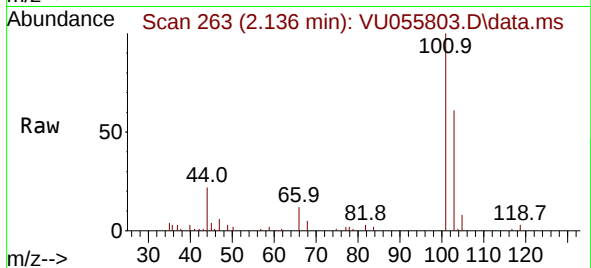
#7
Trichlorofluoromethane
Concen: 0.357 ug/l
RT: 2.136 min Scan# 201
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:101 Resp: 1521
Ion Ratio Lower Upper
101 100
103 61.4 51.4 77.0

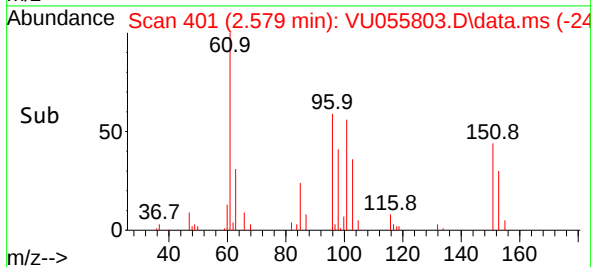
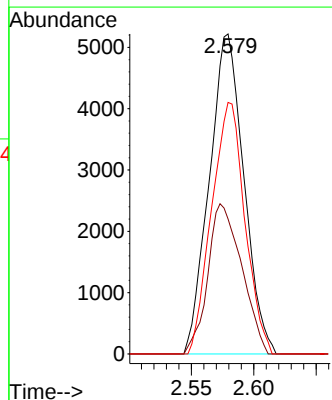
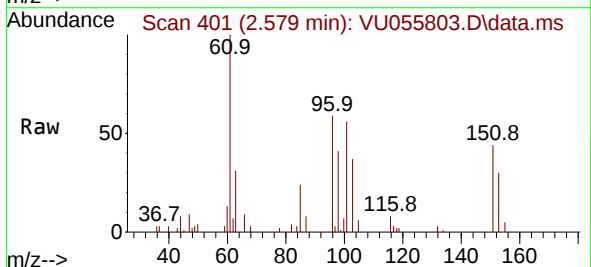
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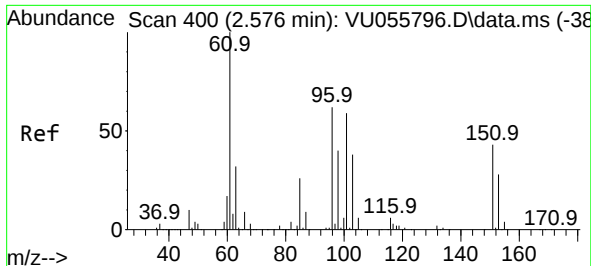
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.353 ug/l
RT: 2.579 min Scan# 401
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

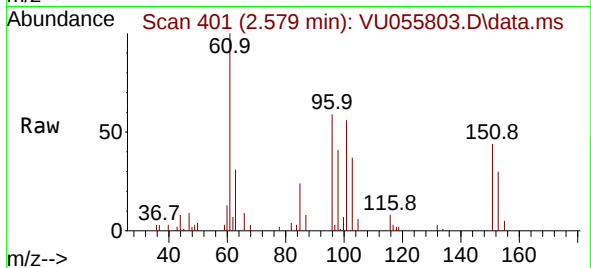
Tgt Ion:101 Resp: 10047
Ion Ratio Lower Upper
101 100
85 46.0 35.4 53.0
151 75.9 54.0 81.0





#9
1,1-Dichloroethene
Concen: 0.348 ug/l
RT: 2.579 min Scan# 401
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

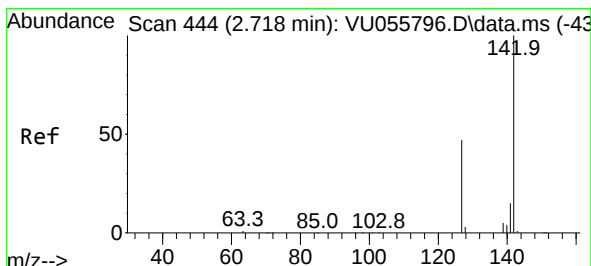
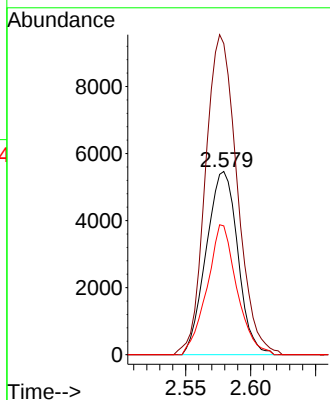
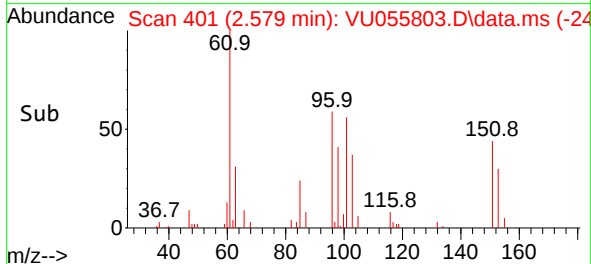
Instrument :
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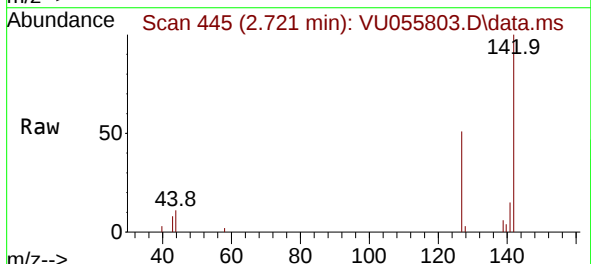
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Ion Ratio Lower Upper
96 100
61 167.7 0.0 521.4
98 72.5 0.0 125.8

Manual Integrations
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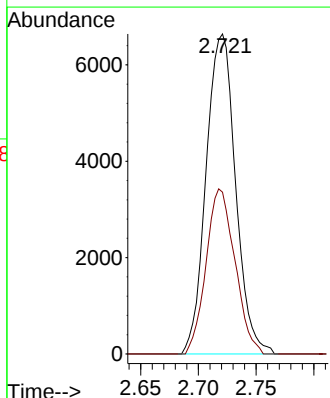
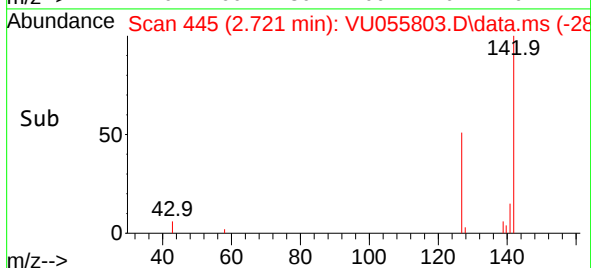
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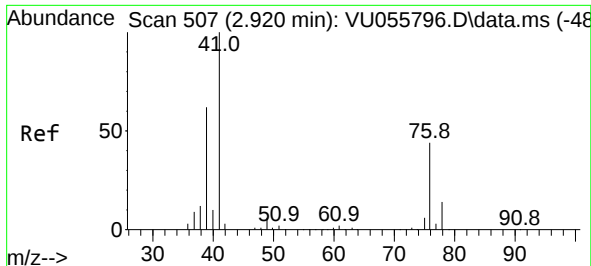


#10
Iodomethane
Concen: 0.298 ug/l
RT: 2.721 min Scan# 445
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06



Tgt Ion:142 Resp: 11779
Ion Ratio Lower Upper
142 100
127 50.6 35.9 53.9





#11

Allyl Chloride

Concen: 0.357 ug/l

RT: 2.923 min Scan# 507

Delta R.T. 0.003 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 41 Resp: 1231

Ion Ratio Lower Upper

41 100

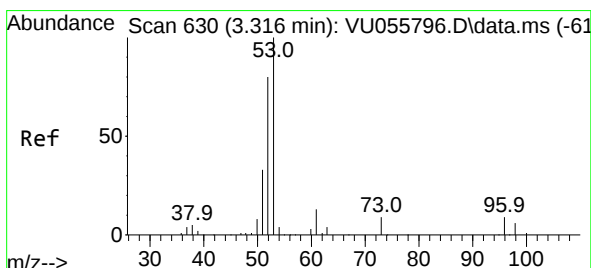
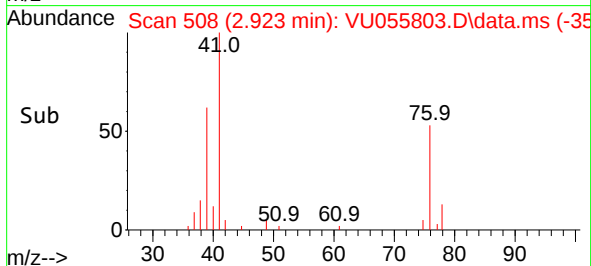
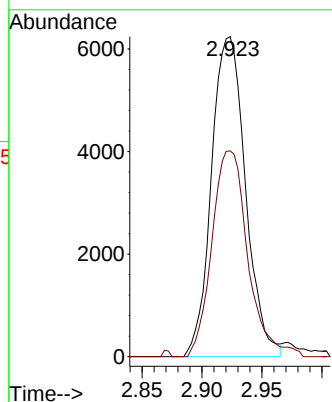
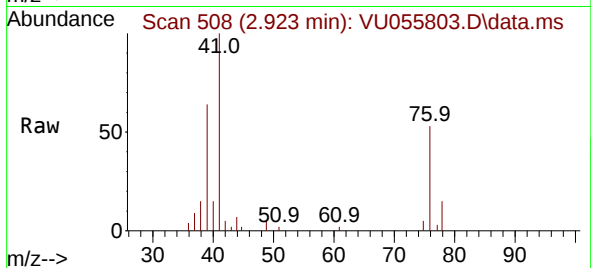
39 67.8 54.2 81.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#12

Acrylonitrile

Concen: 0.745 ug/l m

RT: 3.341 min Scan# 638

Delta R.T. 0.025 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

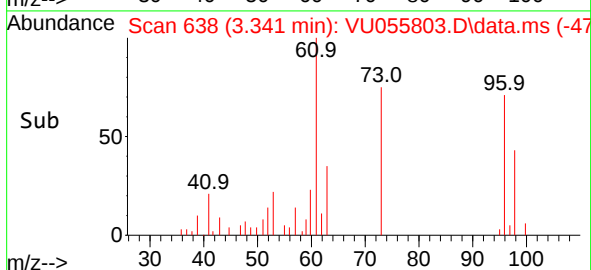
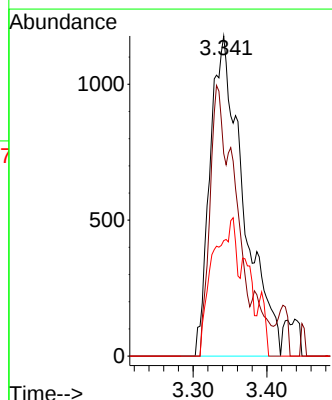
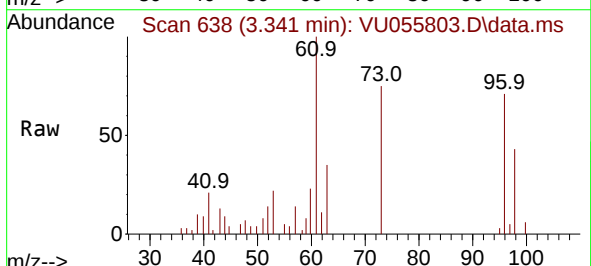
Tgt Ion: 53 Resp: 3712

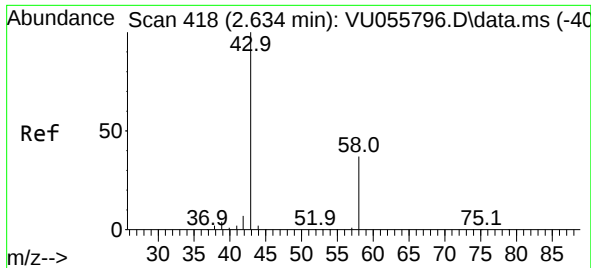
Ion Ratio Lower Upper

53 100

52 37.0 62.9 94.3#

51 31.7 27.8 41.6





#13

Acetone

Concen: 1.706 ug/l

RT: 2.644 min Scan# 418

Delta R.T. 0.010 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

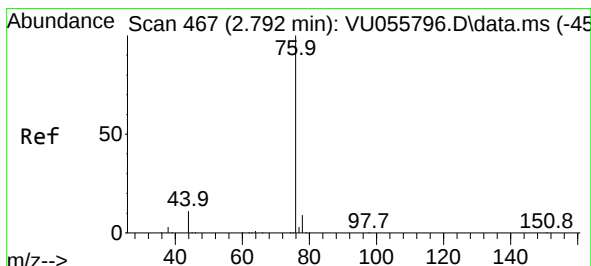
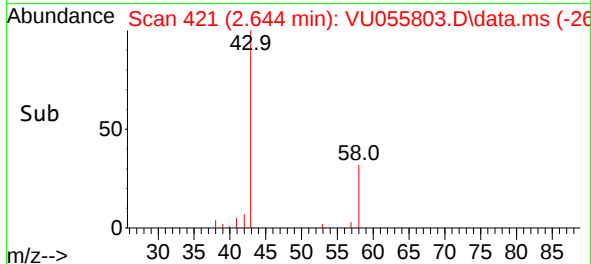
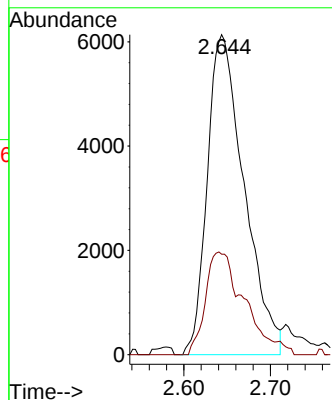
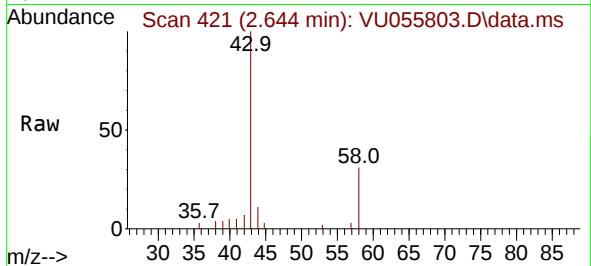
Tgt Ion: 43 Resp: 18144
 Ion Ratio Lower Upper
 43 100
 58 31.4 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#14

Carbon Disulfide

Concen: 0.367 ug/l

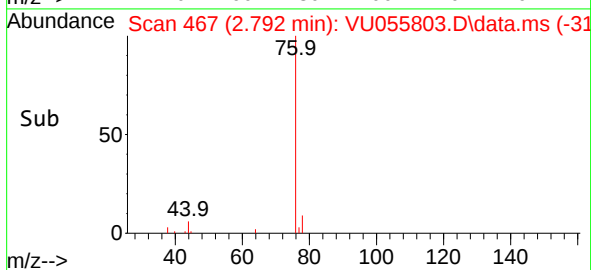
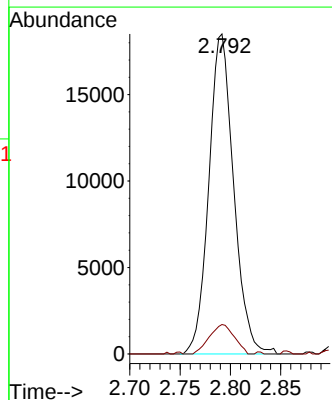
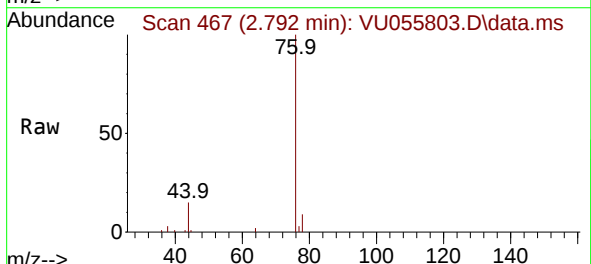
RT: 2.792 min Scan# 467

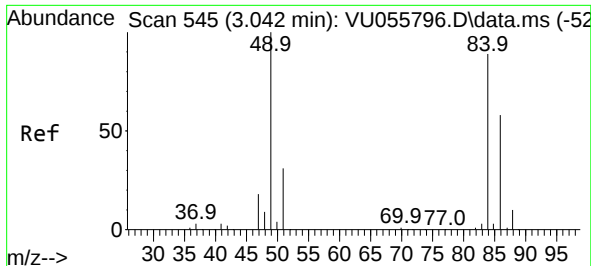
Delta R.T. -0.000 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

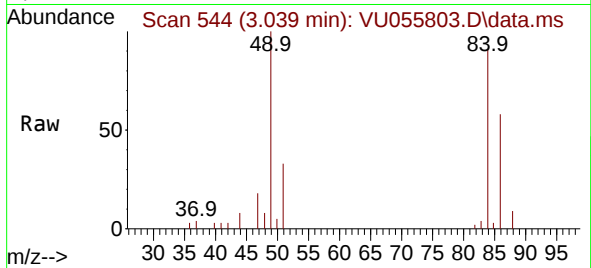
Tgt Ion: 76 Resp: 31767
 Ion Ratio Lower Upper
 76 100
 78 9.2 7.4 11.0





#15
Methylene Chloride
Concen: 0.470 ug/l
RT: 3.039 min Scan# 545
Delta R.T. -0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

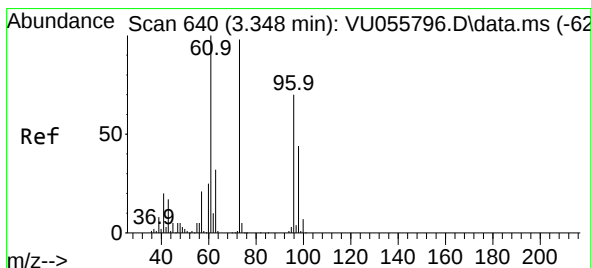
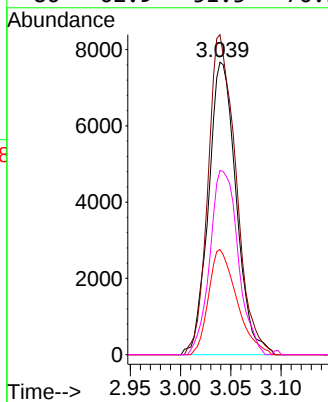
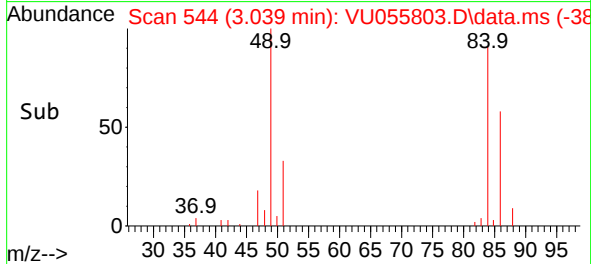
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 84 Resp: 14699
Ion Ratio Lower Upper
84 100
49 109.4 98.9 148.3
51 35.9 0.0 75.4
86 62.9 51.3 76.9

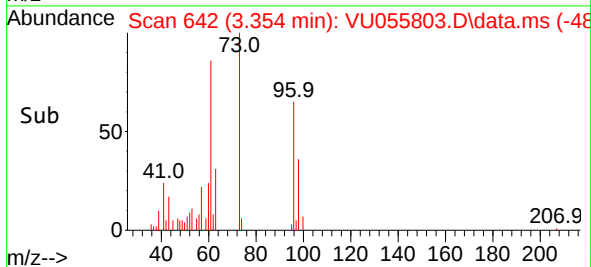
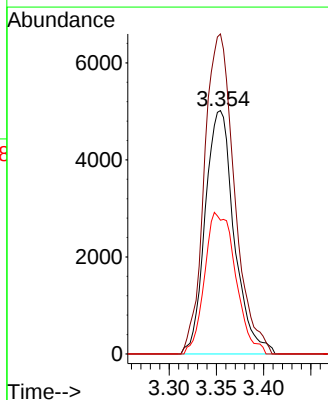
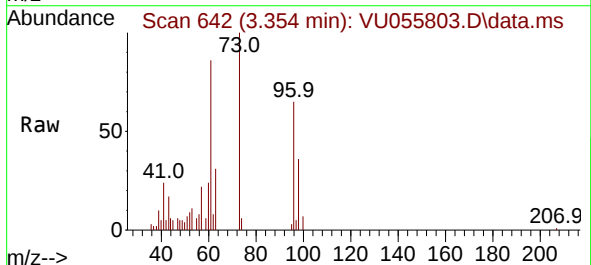
Manual Integrations
APPROVED

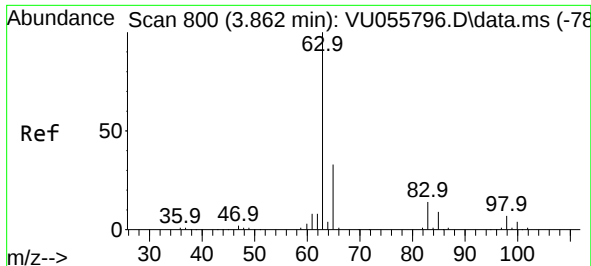
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#16
trans-1,2-Dichloroethene
Concen: 0.381 ug/l
RT: 3.354 min Scan# 642
Delta R.T. 0.006 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion: 96 Resp: 10700
Ion Ratio Lower Upper
96 100
61 131.5 117.5 176.3
98 54.9 48.3 72.5





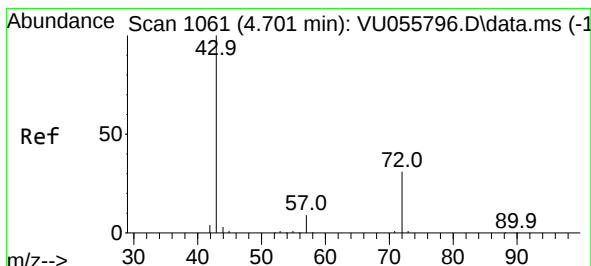
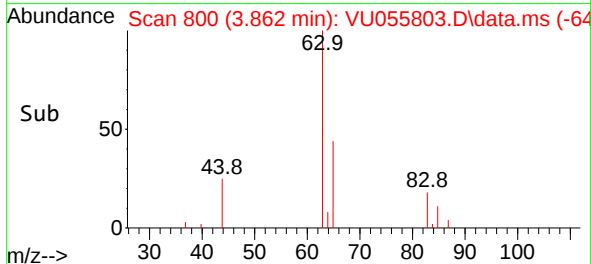
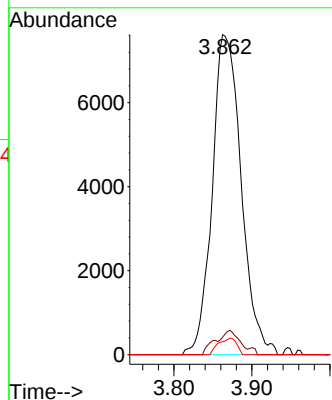
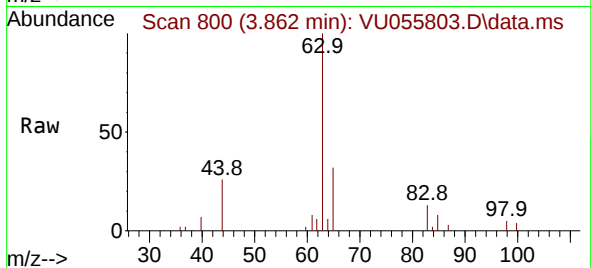
#17
1,1-Dichloroethane
Concen: 0.376 ug/l
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 63 Resp: 19674
Ion Ratio Lower Upper
63 100
98 5.4 3.4 10.1
100 4.1 2.2 6.6

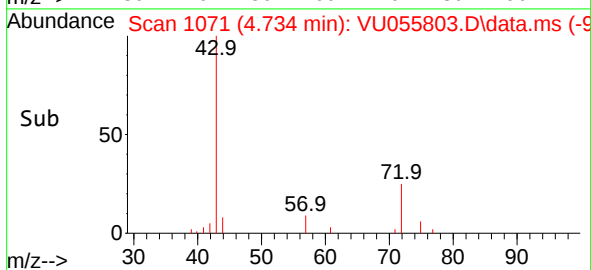
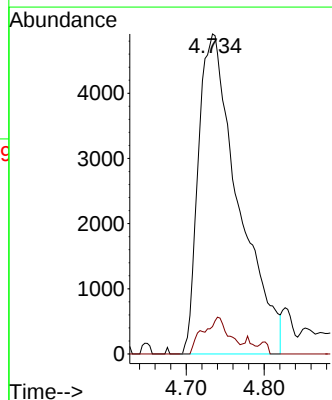
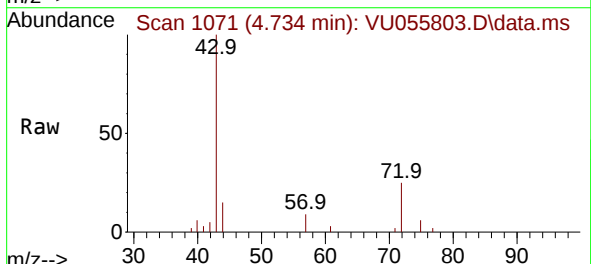
Manual Integrations
APPROVED

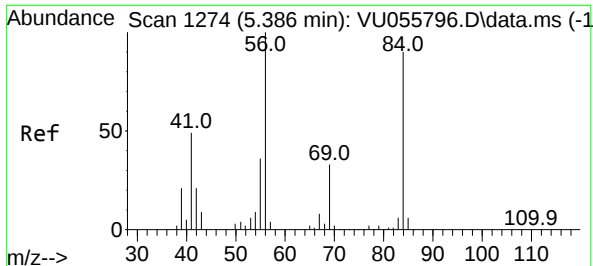
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#18
2-Butanone
Concen: 1.525 ug/l
RT: 4.734 min Scan# 1071
Delta R.T. 0.033 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion: 43 Resp: 17471
Ion Ratio Lower Upper
43 100
57 8.5 0.0 19.6





#19

Cyclohexane

Concen: 0.334 ug/l m

RT: 5.386 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

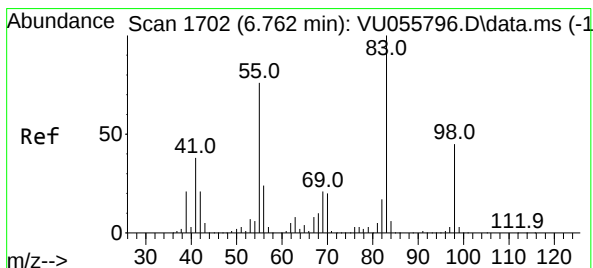
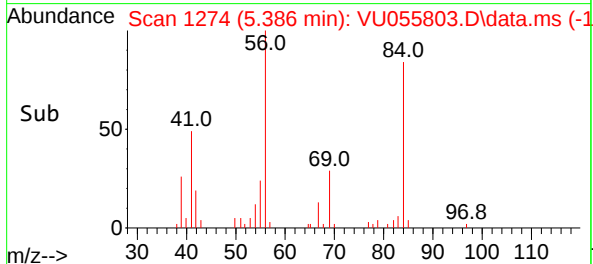
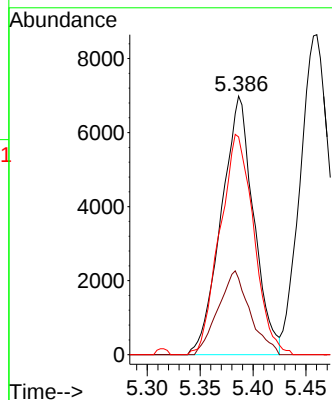
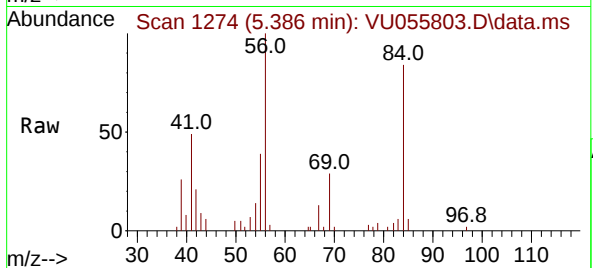
Tgt Ion:	56	Resp:	14880
Ion Ratio	Lower	Upper	
56	100		
69	31.8	24.6	37.0
84	89.3	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#20

Methylcyclohexane

Concen: 0.313 ug/l

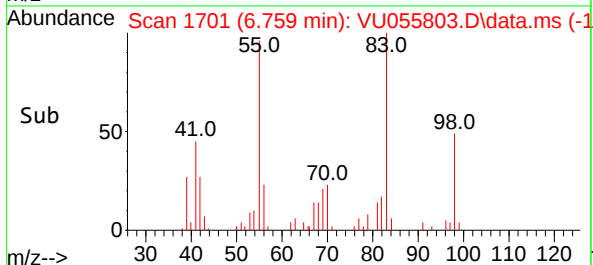
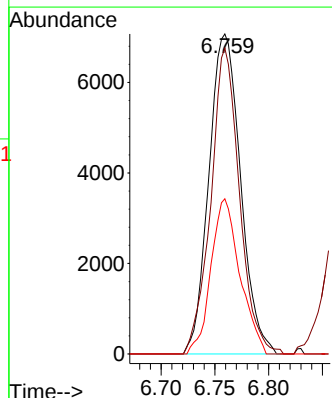
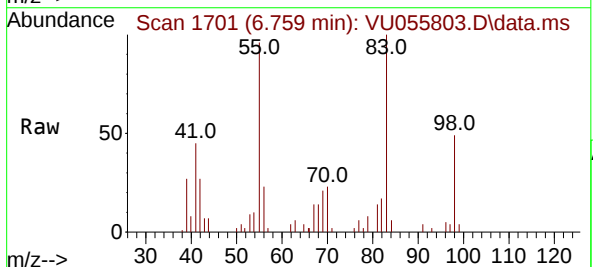
RT: 6.759 min Scan# 1701

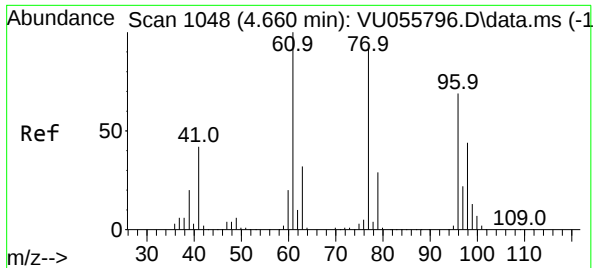
Delta R.T. -0.003 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Tgt Ion:	83	Resp:	14491
Ion Ratio	Lower	Upper	
83	100		
55	86.5	63.5	95.3
98	44.3	36.0	54.0





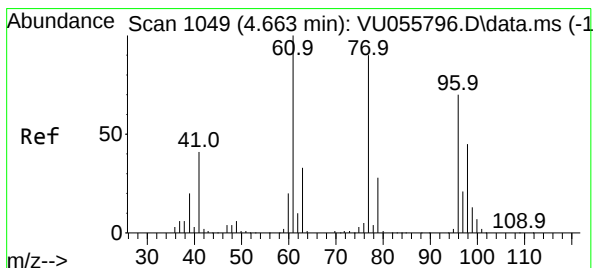
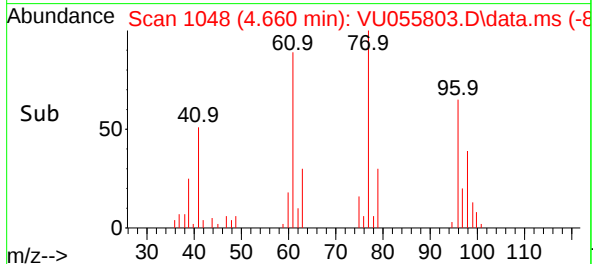
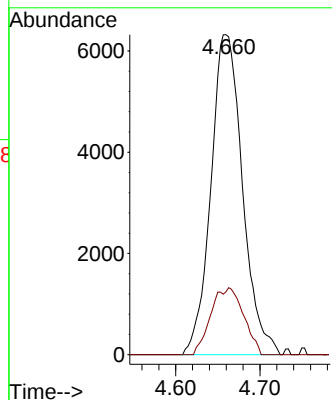
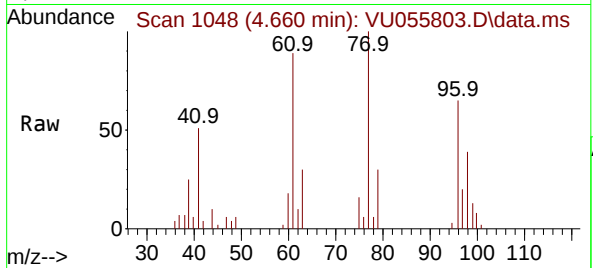
#21
2,2-Dichloropropane
Concen: 0.374 ug/l
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 77 Resp: 1648
Ion Ratio Lower Upper
77 100
97 21.6 18.4 27.6

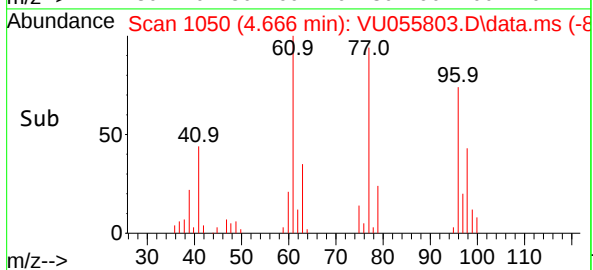
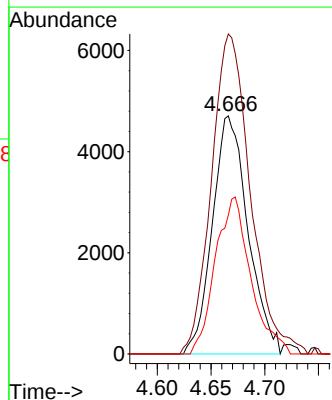
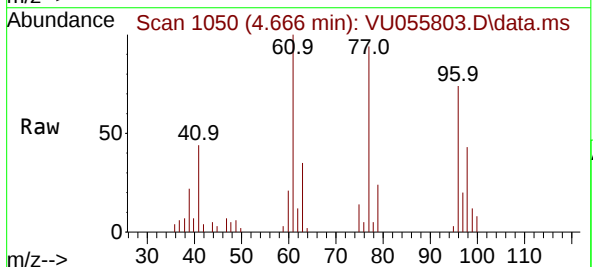
Manual Integrations
APPROVED

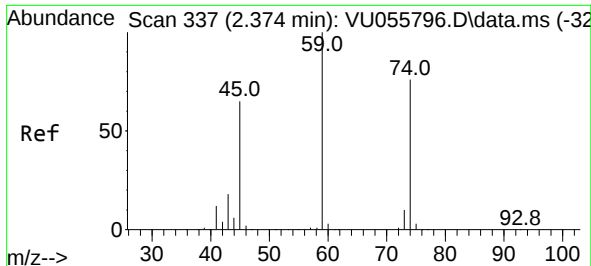
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#22
cis-1,2-Dichloroethene
Concen: 0.361 ug/l
RT: 4.666 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion: 96 Resp: 10825
Ion Ratio Lower Upper
96 100
61 147.3 0.0 365.8
98 65.5 32.0 96.0





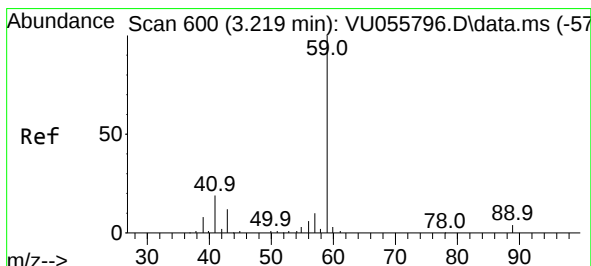
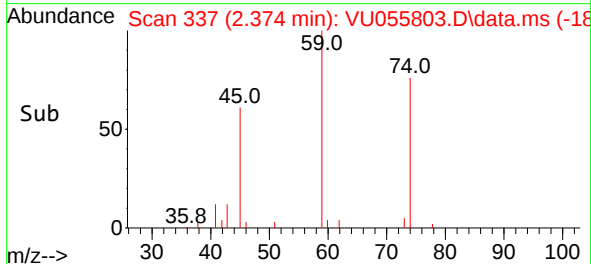
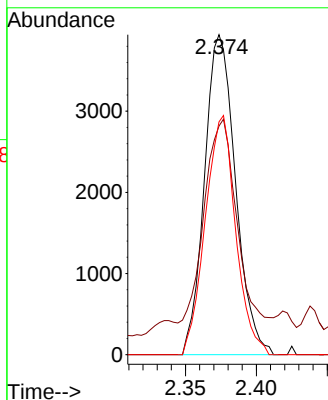
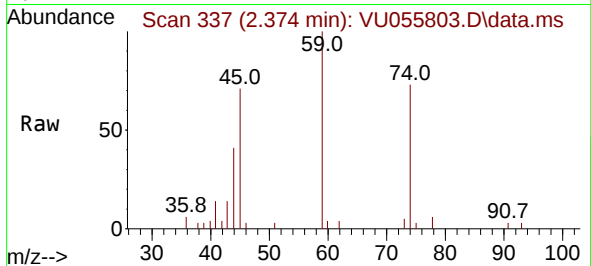
#23
Diethyl Ether
Concen: 0.378 ug/l
RT: 2.374 min Scan# 311
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 59 Resp: 6002
Ion Ratio Lower Upper
59 100
45 67.3 56.1 84.1
74 73.3 57.4 86.2

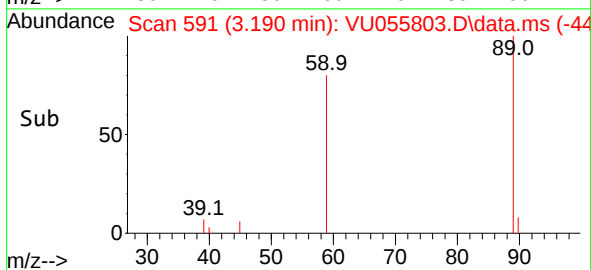
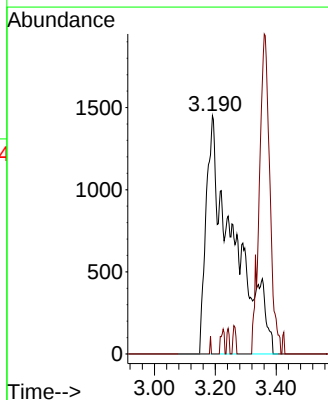
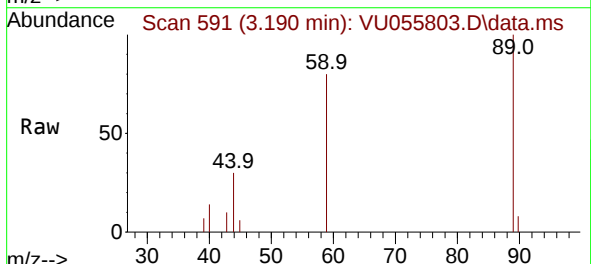
Manual Integrations
APPROVED

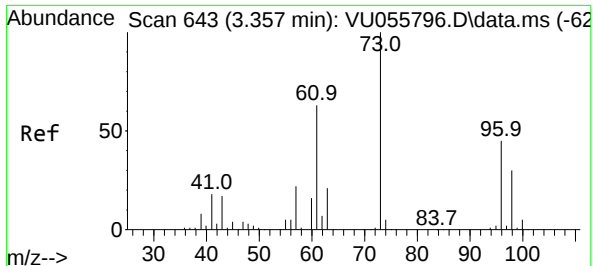
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#24
tert-Butyl Alcohol
Concen: 5.524 ug/l m
RT: 3.190 min Scan# 591
Delta R.T. -0.029 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

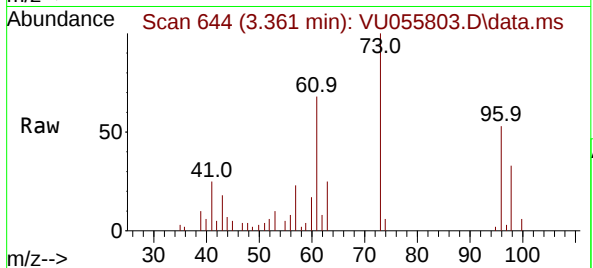
Tgt Ion: 59 Resp: 8986
Ion Ratio Lower Upper
59 100
57 0.0 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 0.348 ug/l
RT: 3.361 min Scan# 643
Delta R.T. 0.004 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

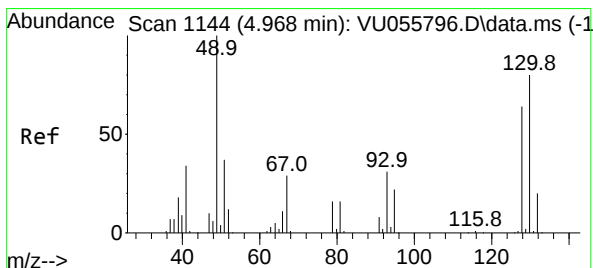
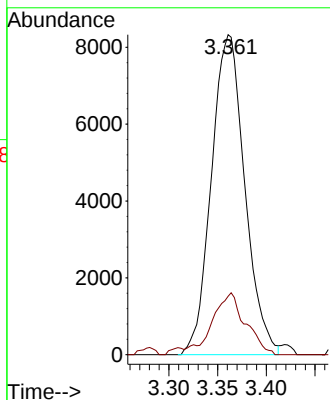
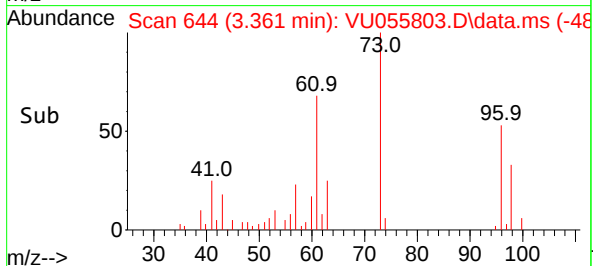
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 73 Resp: 1985
Ion Ratio Lower Upper
73 100
43 19.1 15.0 22.6

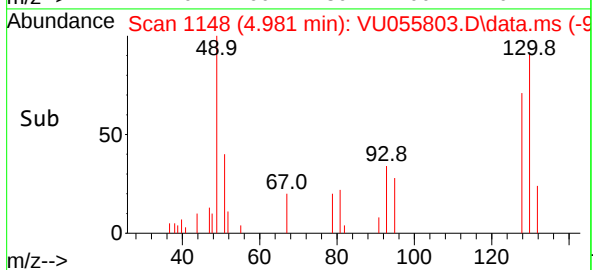
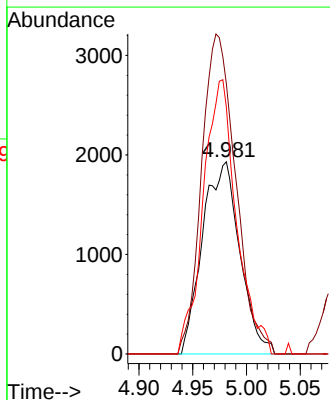
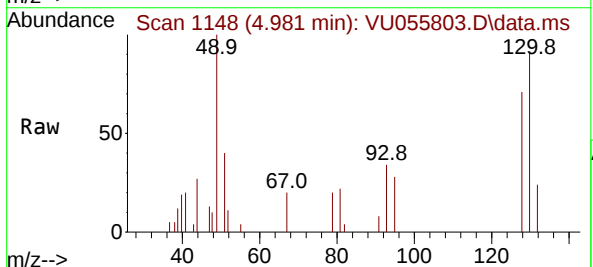
Manual Integrations
APPROVED

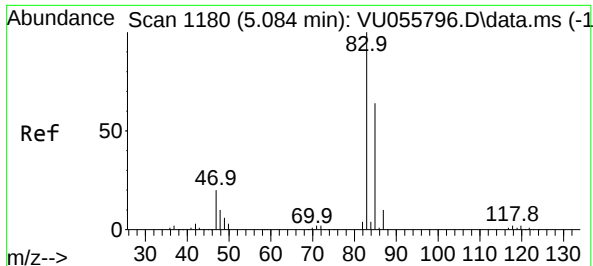
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#26
Bromochloromethane
Concen: 0.367 ug/l
RT: 4.981 min Scan# 1148
Delta R.T. 0.013 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion:128 Resp: 4661
Ion Ratio Lower Upper
128 100
49 152.0 0.0 324.6
130 126.9 103.0 154.4





#27

Chloroform

Concen: 0.382 ug/l

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 83 Resp: 2048

Ion Ratio Lower Upper

83 100

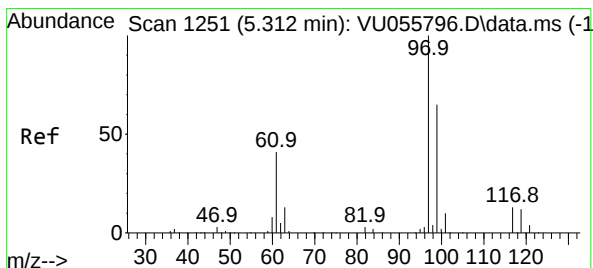
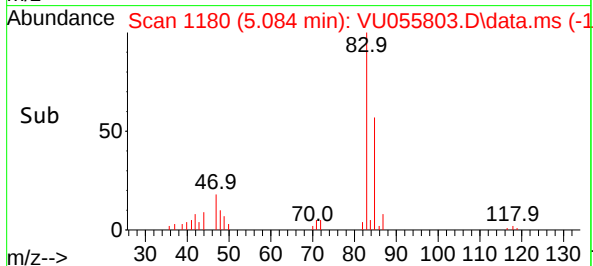
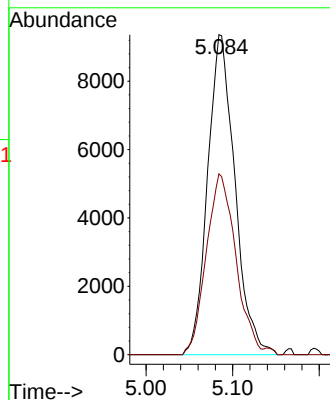
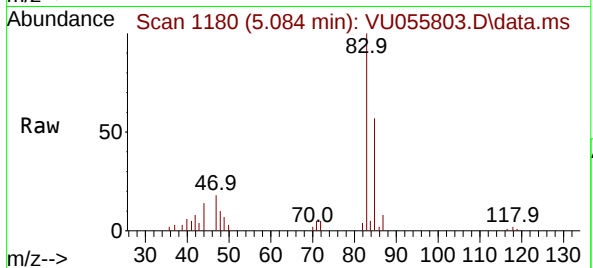
85 56.5 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#28

1,1,1-Trichloroethane

Concen: 0.353 ug/l

RT: 5.309 min Scan# 1250

Delta R.T. -0.003 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

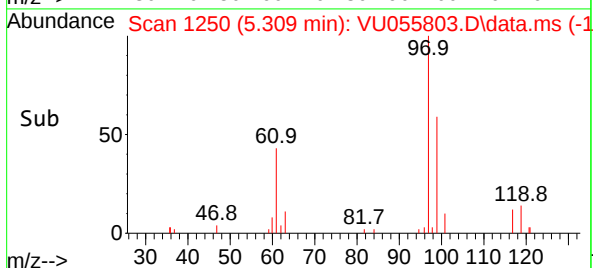
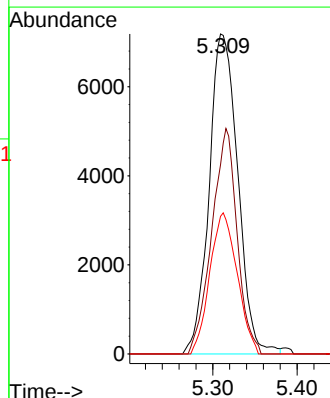
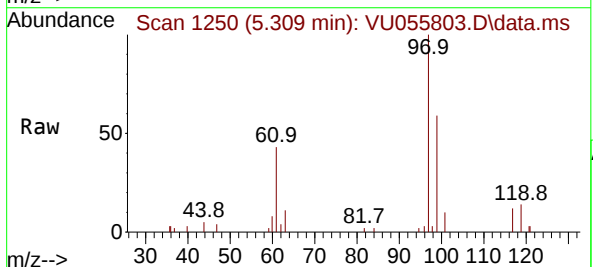
Tgt Ion: 97 Resp: 16996

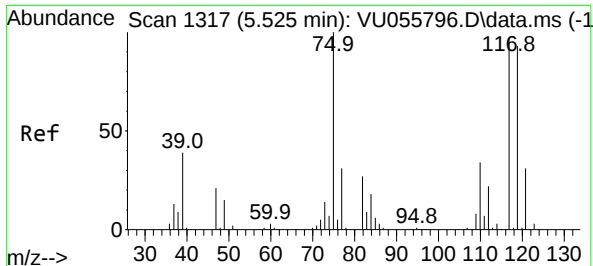
Ion Ratio Lower Upper

97 100

99 62.1 32.0 96.2

61 42.1 22.9 68.5





#29

1,1-Dichloropropene

Concen: 0.348 ug/l

RT: 5.525 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 75 Resp: 13249

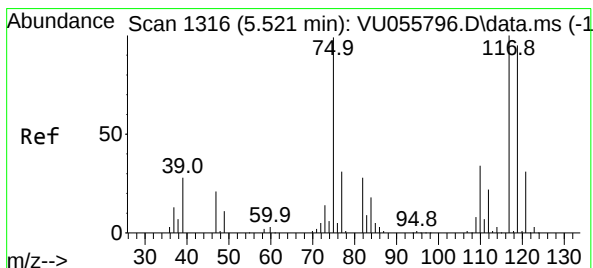
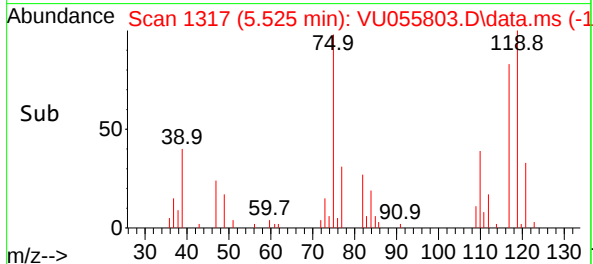
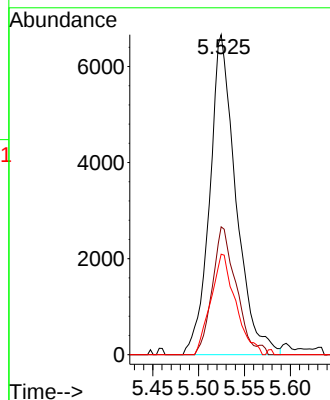
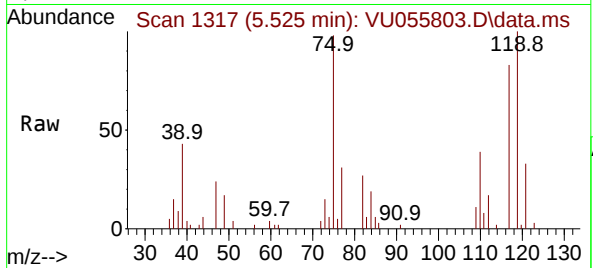
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.0	54.0
77	29.6	24.7	37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#30

Carbon Tetrachloride

Concen: 0.336 ug/l

RT: 5.518 min Scan# 1315

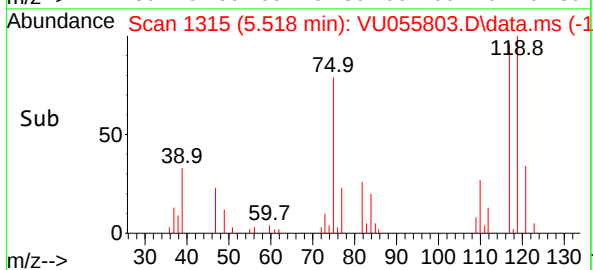
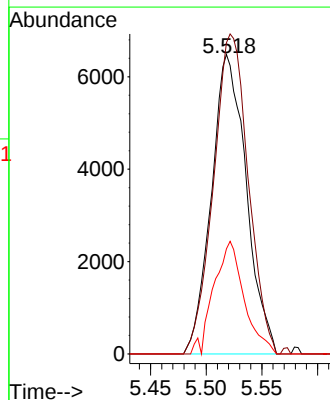
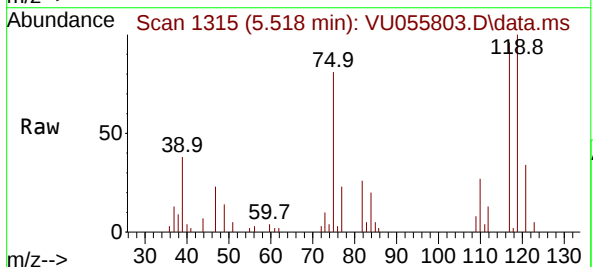
Delta R.T. -0.003 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Tgt Ion:117 Resp: 14106

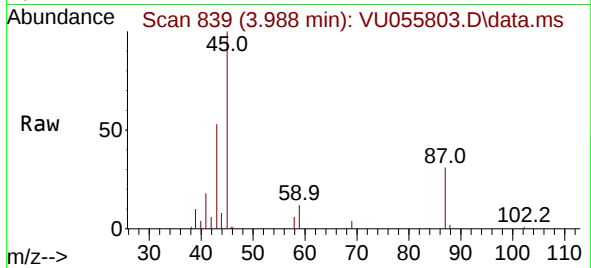
Ion	Ratio	Lower	Upper
117	100		
119	103.9	77.4	116.0
121	35.1	24.0	36.0





#31
Isopropyl Ether
Concen: 0.361 ug/l
RT: 3.988 min Scan# 839
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

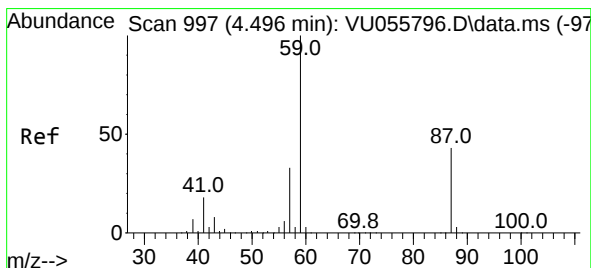
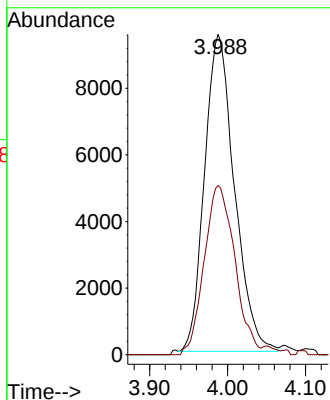
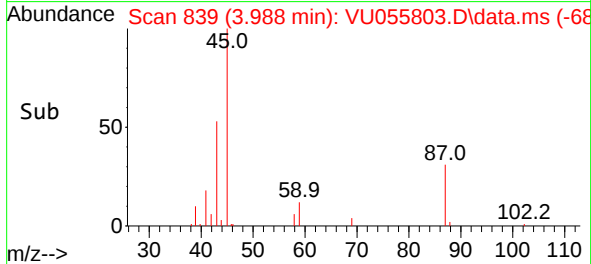
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



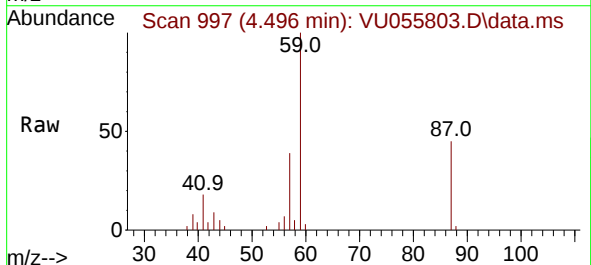
Tgt Ion: 45 Resp: 2534
Ion Ratio Lower Upper
45 100
43 54.5 27.5 82.5

Manual Integrations
APPROVED

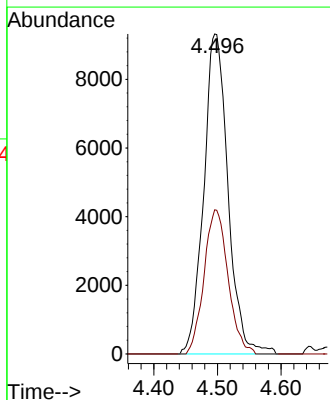
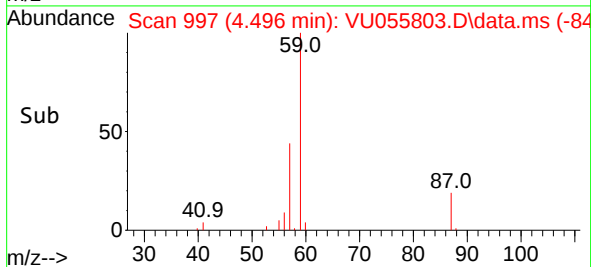
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

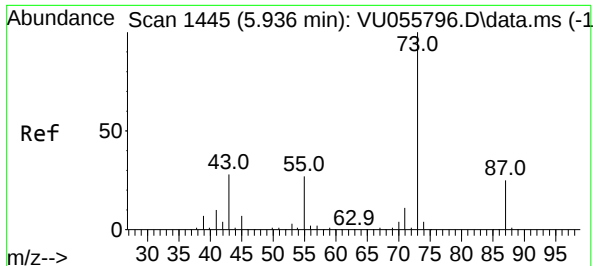


#32
Ethyl-t-butyl ether
Concen: 0.364 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06



Tgt Ion: 59 Resp: 24672
Ion Ratio Lower Upper
59 100
87 44.7 33.5 50.3





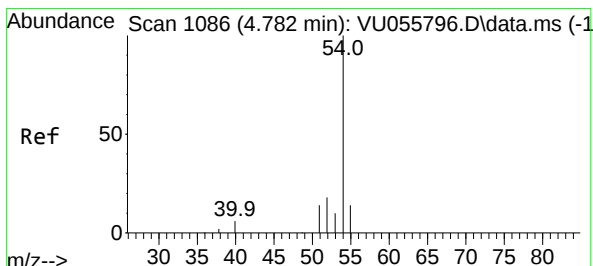
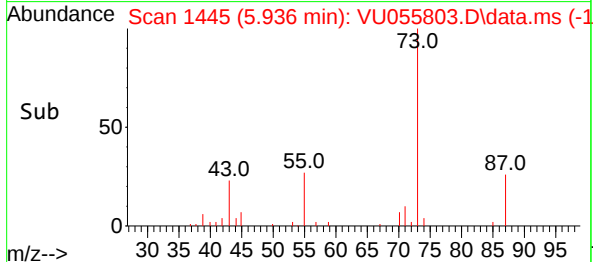
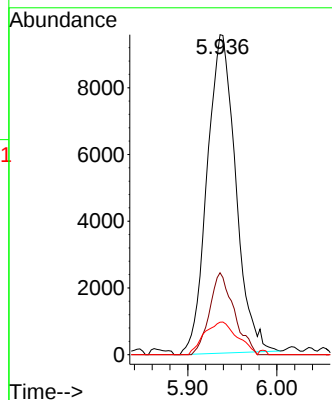
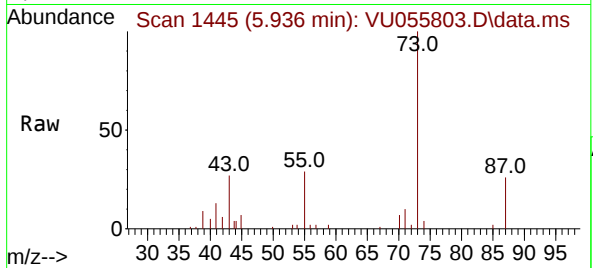
#33
Tert-Amyl methyl ether
Concen: 0.366 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 73 Resp: 21278
Ion Ratio Lower Upper
73 100
87 22.0 18.6 28.0
71 11.8 9.9 14.9

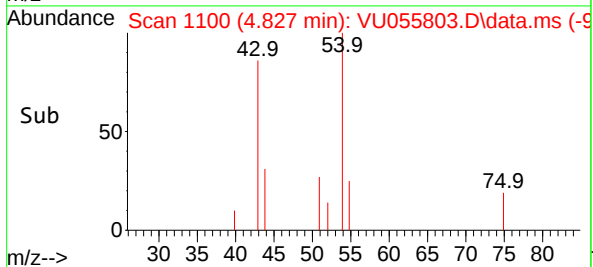
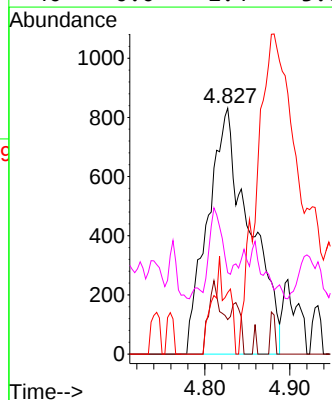
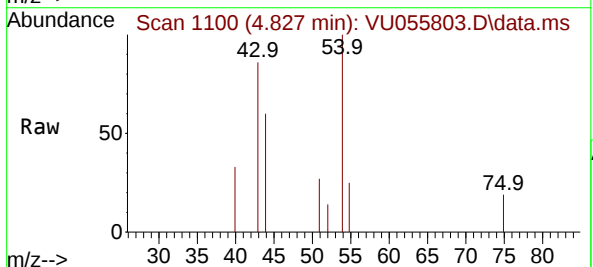
Manual Integrations
APPROVED

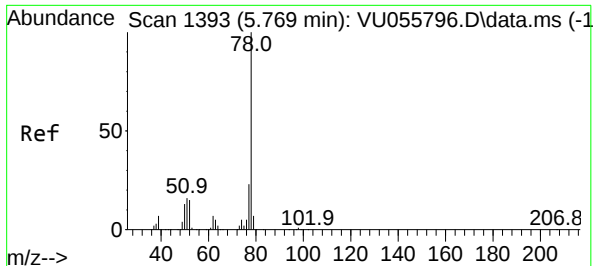
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#34
Propionitrile
Concen: 1.567 ug/l m
RT: 4.827 min Scan# 1100
Delta R.T. 0.045 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion: 54 Resp: 2841
Ion Ratio Lower Upper
54 100
52 5.1 17.4 26.0#
55 0.0 104.1 156.1#
40 0.0 2.4 3.6#





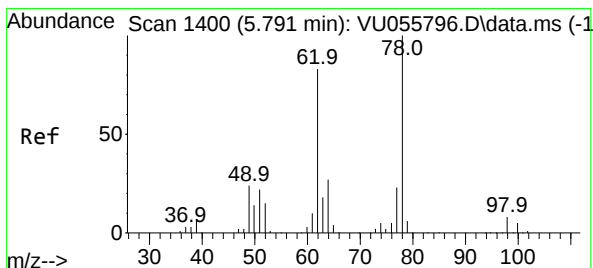
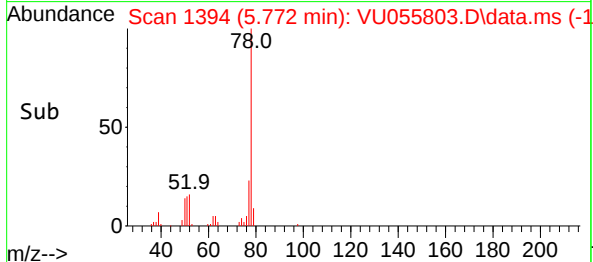
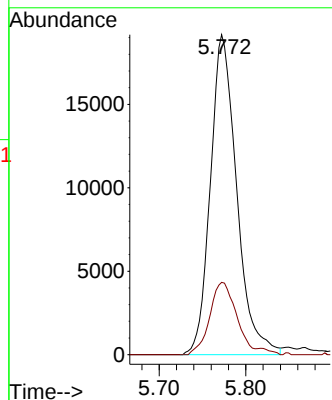
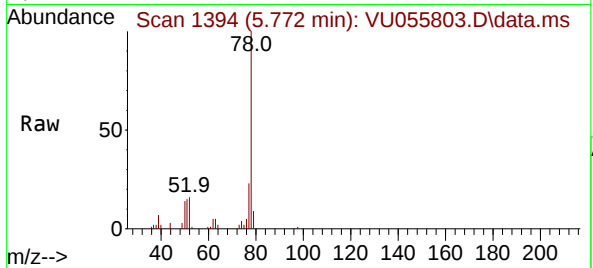
#35
Benzene
Concen: 0.351 ug/l
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 78 Resp: 4045
Ion Ratio Lower Upper
78 100
77 22.6 18.9 28.3

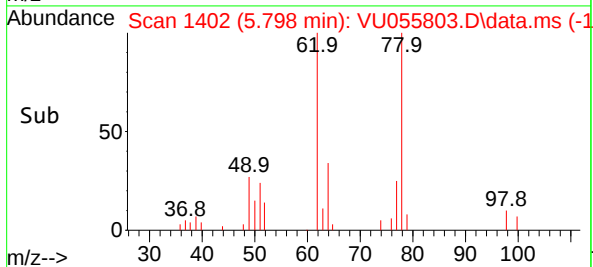
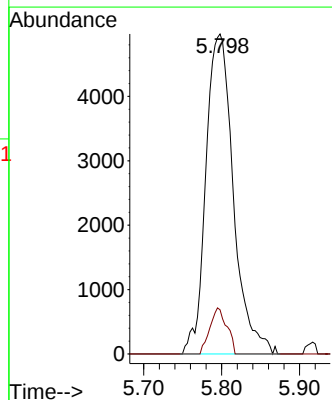
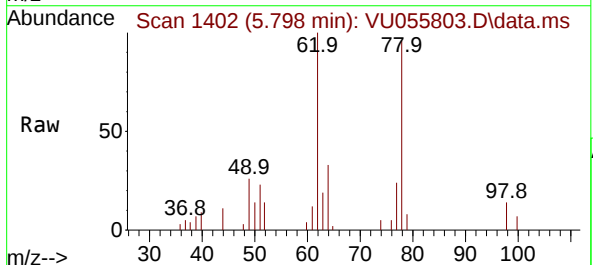
Manual Integrations
APPROVED

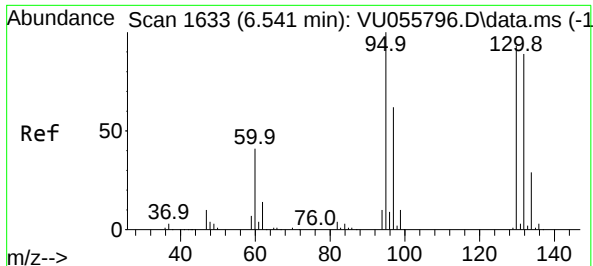
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#36
1,2-Dichloroethane
Concen: 0.389 ug/l
RT: 5.798 min Scan# 1402
Delta R.T. 0.007 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion: 62 Resp: 12196
Ion Ratio Lower Upper
62 100
98 8.9 7.3 10.9





#37

Trichloroethene

Concen: 0.380 ug/l

RT: 6.544 min Scan# 1142

Delta R.T. 0.003 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion:130 Resp: 1142

Ion Ratio Lower Upper

130 100

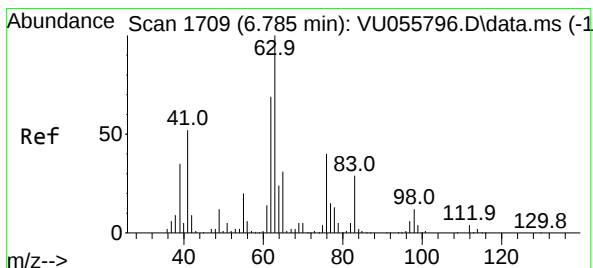
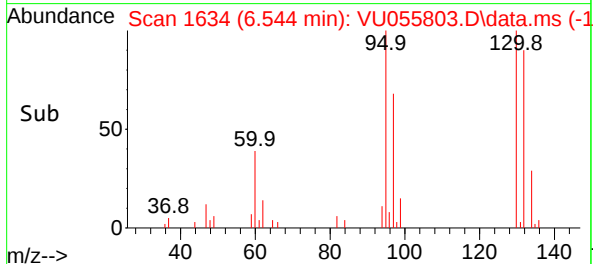
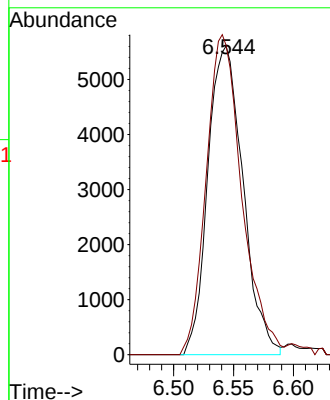
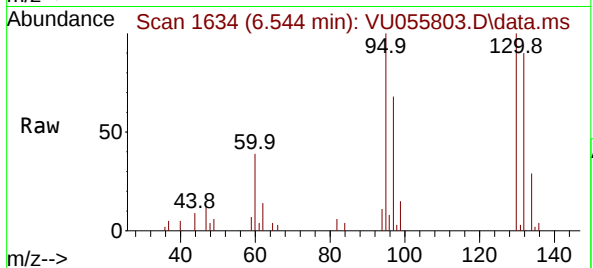
95 100.2 85.0 127.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#38

1,2-Dichloropropane

Concen: 0.378 ug/l

RT: 6.788 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU055803.D

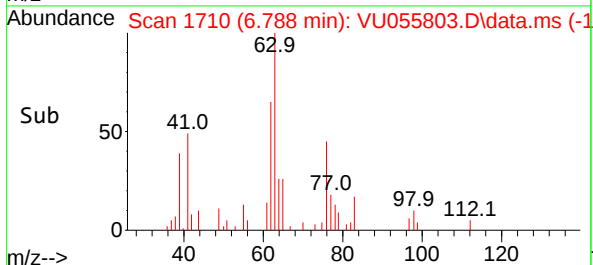
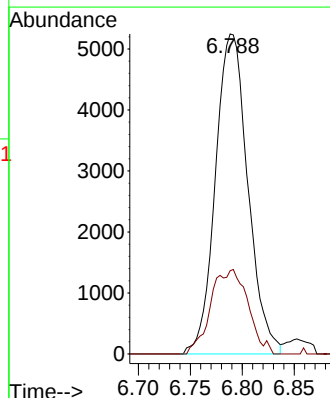
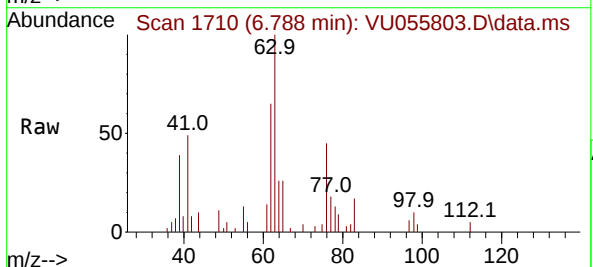
Acq: 18 Oct 2023 17:06

Tgt Ion: 63 Resp: 11405

Ion Ratio Lower Upper

63 100

65 26.0 24.9 37.3





#39

Methacrylonitrile

Concen: 0.296 ug/l

RT: 4.994 min Scan# 1152

Delta R.T. 0.026 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 41 Resp: 2000

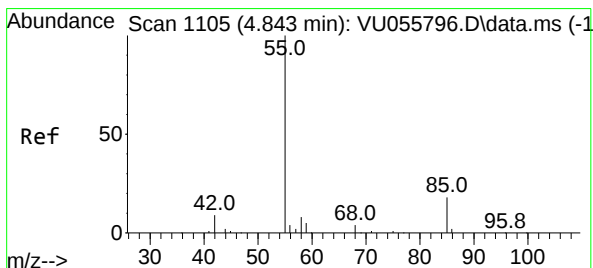
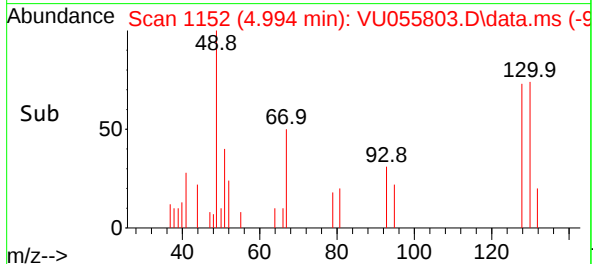
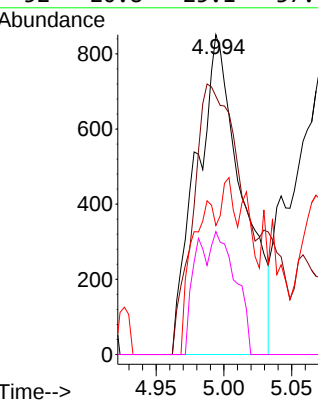
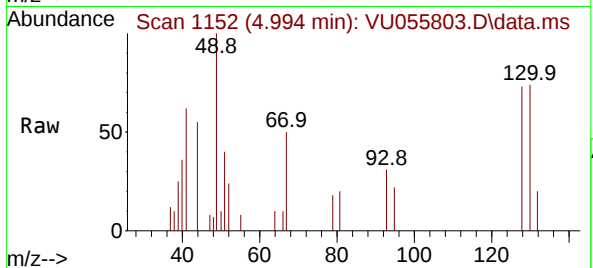
Ion	Ratio	Lower	Upper
41	100		
67	90.4	66.8	100.2
39	25.5	41.2	61.8
52	20.8	25.1	37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#40

Methyl acrylate

Concen: 0.353 ug/l m

RT: 4.882 min Scan# 1117

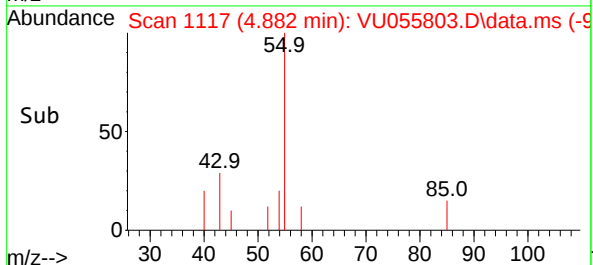
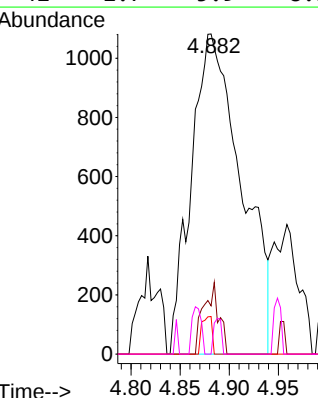
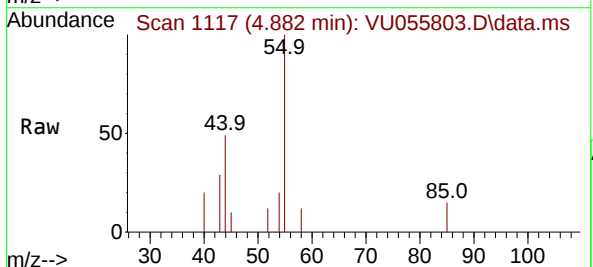
Delta R.T. 0.038 min

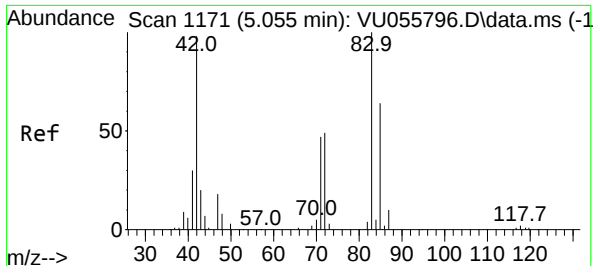
Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Tgt Ion: 55 Resp: 3848

Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.3	19.9
58	0.0	6.5	9.7
42	2.7	5.9	8.9





#41

Tetrahydrofuran

Concen: 0.686 ug/l m

RT: 5.074 min Scan# 1171

Delta R.T. 0.019 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

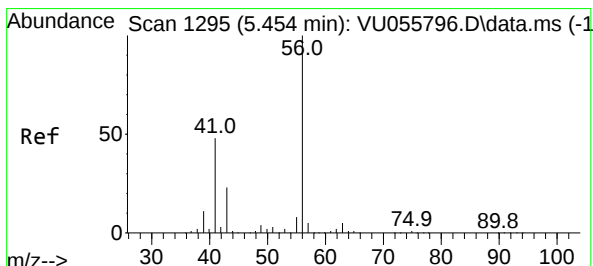
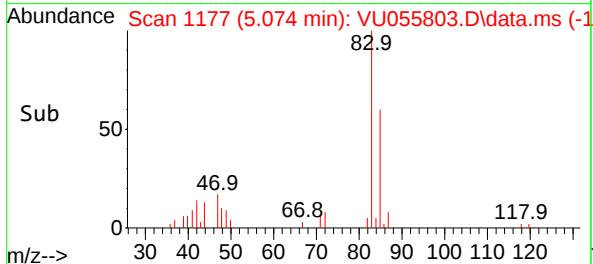
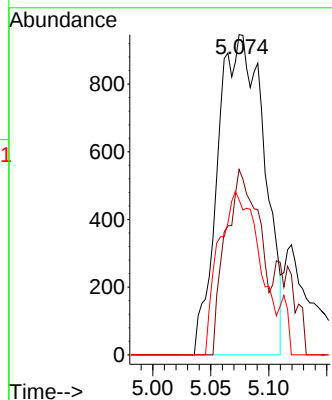
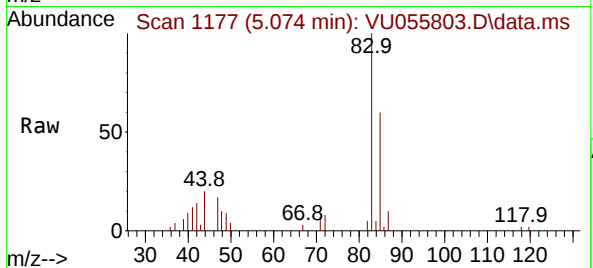
Tgt Ion:	42	Resp:	2629
Ion Ratio	Lower	Upper	
42	100		
72	42.1	40.9	61.3
71	44.8	36.9	55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#42

1-Chlorobutane

Concen: 0.365 ug/l

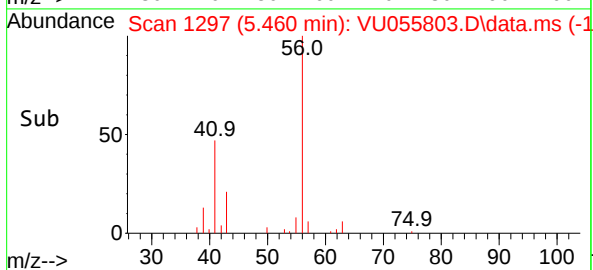
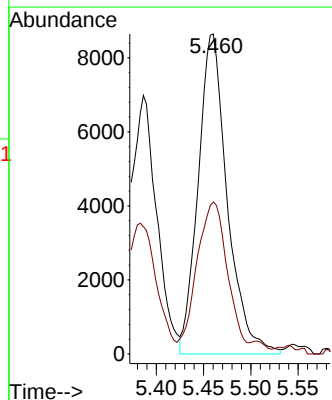
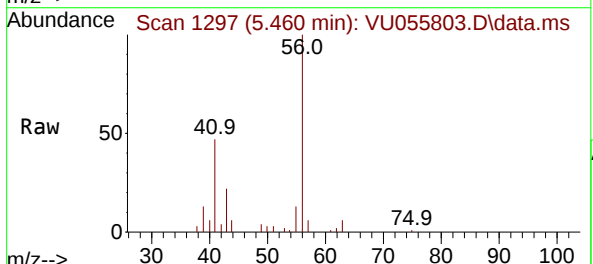
RT: 5.460 min Scan# 1297

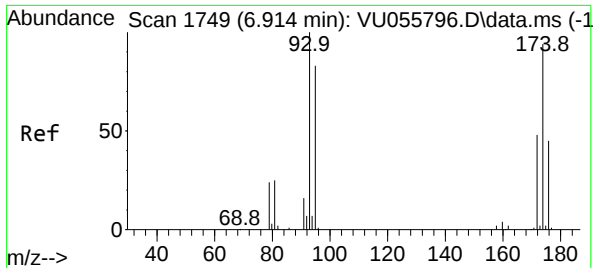
Delta R.T. 0.006 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

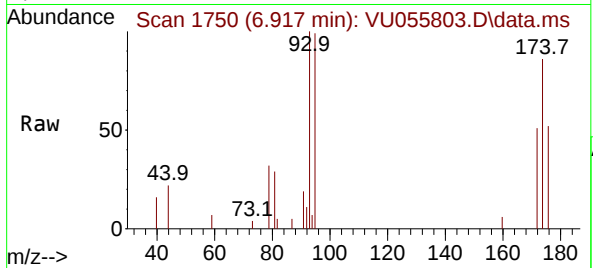
Tgt Ion:	56	Resp:	18530
Ion Ratio	Lower	Upper	
56	100		
41	44.9	25.2	75.6





#43
Dibromomethane
Concen: 0.363 ug/l
RT: 6.917 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

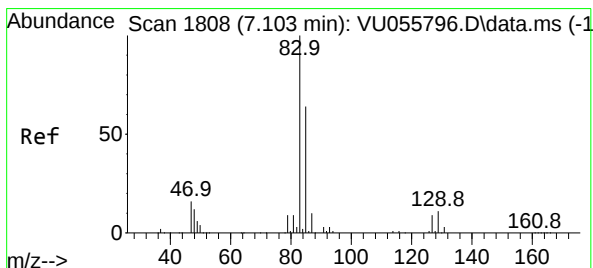
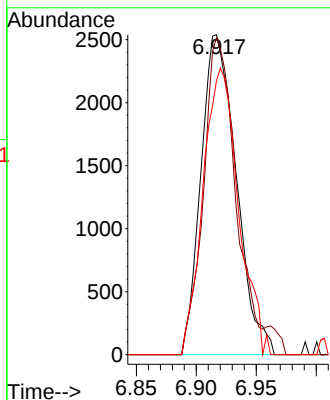
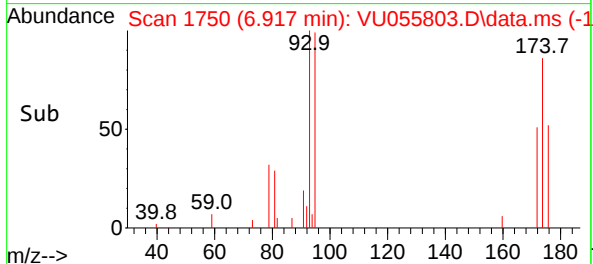


Tgt Ion: 93 Resp: 5194

Ion	Ratio	Lower	Upper
93	100		
95	90.5	67.0	100.6
174	89.9	73.8	110.6

Manual Integrations
APPROVED

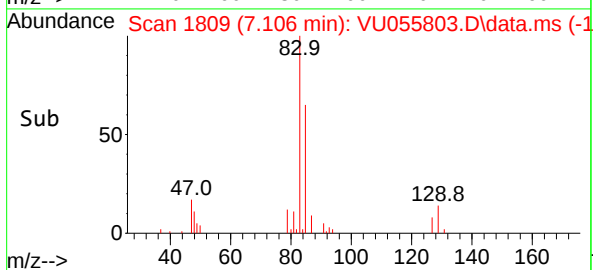
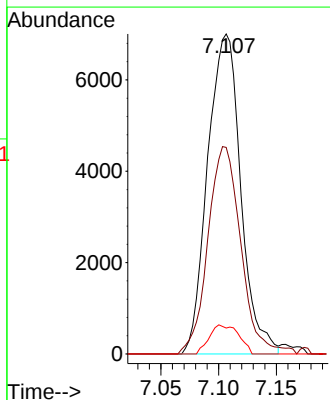
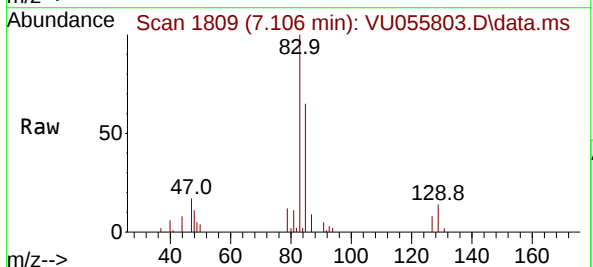
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

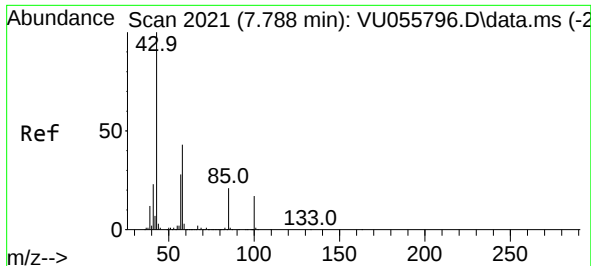


#44
Bromodichloromethane
Concen: 0.369 ug/l
RT: 7.106 min Scan# 1809
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion: 83 Resp: 13979

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.9	77.9
127	8.1	6.7	10.1





#45

4-Methyl-2-Pentanone

Concen: 1.813 ug/l

RT: 7.791 min Scan# 20

Delta R.T. 0.003 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 43 Resp: 2686

Ion Ratio Lower Upper

43 100

58 41.9 20.9 62.8

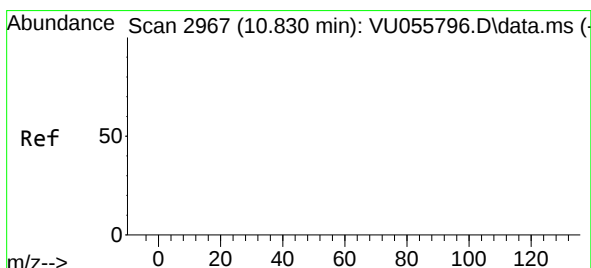
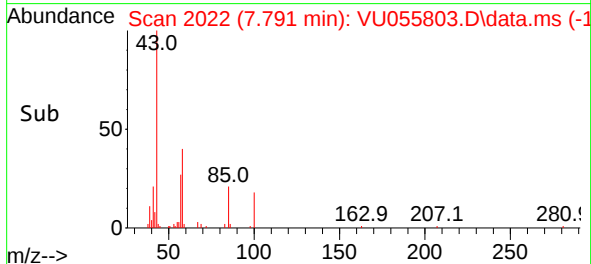
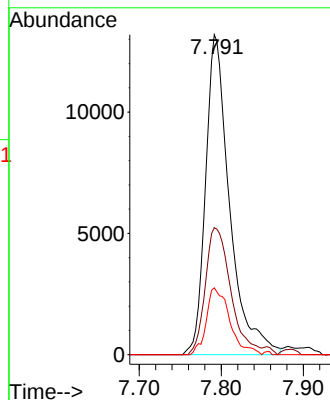
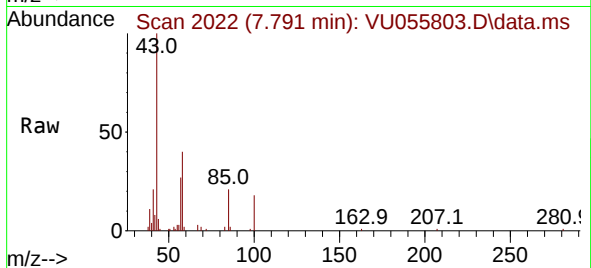
85 20.3 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#46

t-1,4-Dichloro-2-butene

Concen: 0.423 ug/l m

RT: 10.839 min Scan# 2970

Delta R.T. 0.009 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Tgt Ion: 75 Resp: 2490

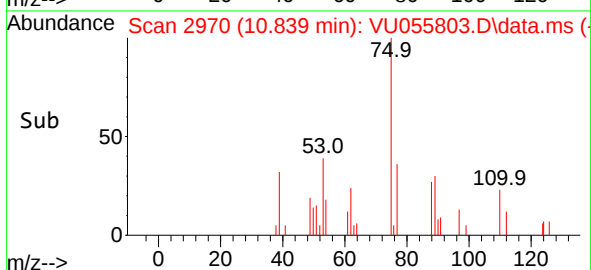
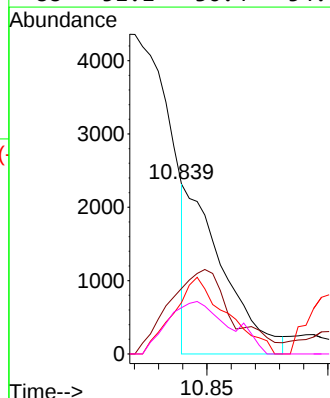
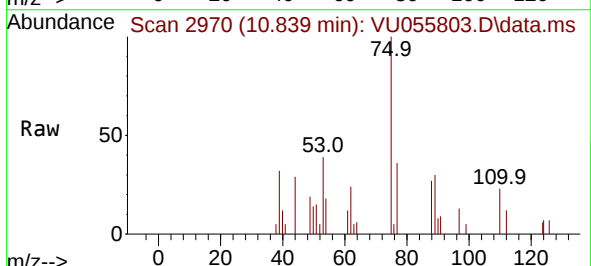
Ion Ratio Lower Upper

75 100

53 84.5 73.3 109.9

89 64.5 48.2 72.4

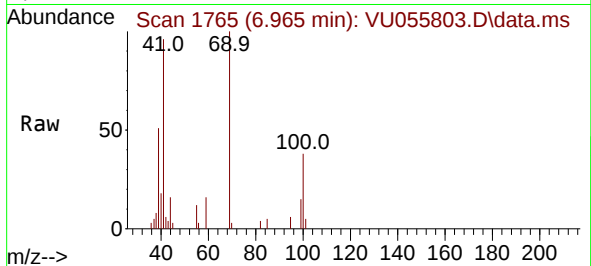
88 51.1 36.4 54.6





#47
Methyl methacrylate
Concen: 0.665 ug/l
RT: 6.965 min Scan# 1765
Delta R.T. 0.006 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

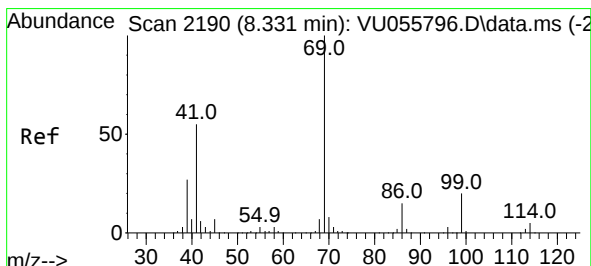
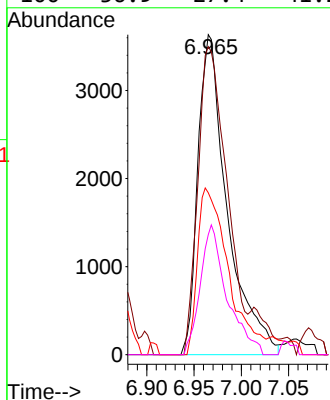
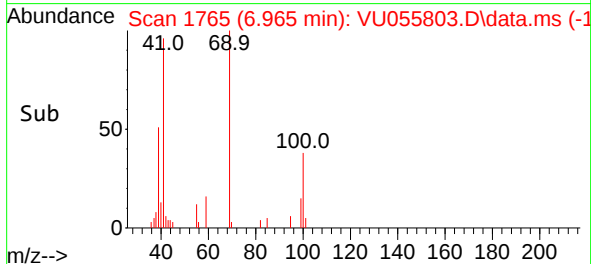
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 69 Resp: 786
Ion Ratio Lower Upper
69 100
41 94.8 0.0 209.2
39 55.0 46.7 70.1
100 36.9 27.4 41.2

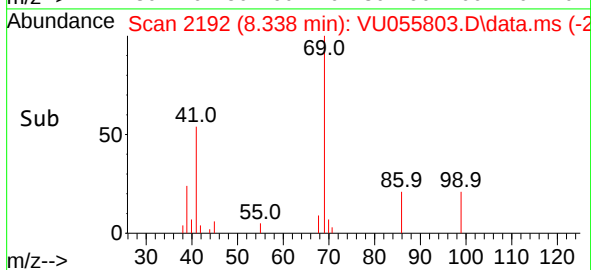
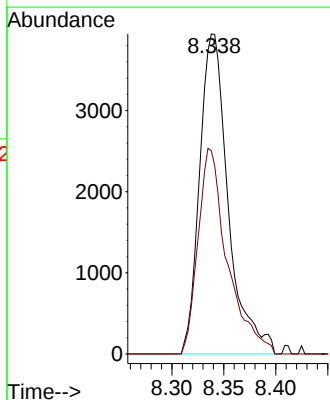
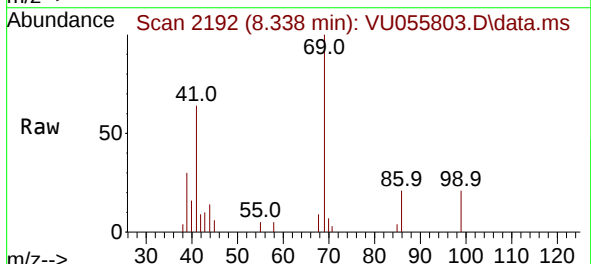
Manual Integrations
APPROVED

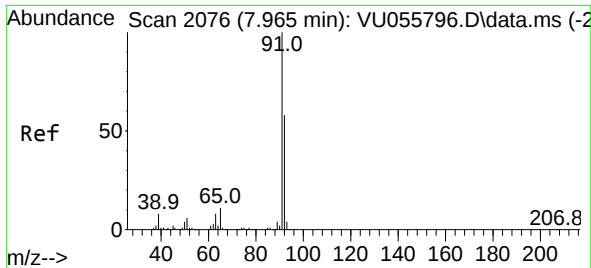
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#48
Ethyl methacrylate
Concen: 0.337 ug/l
RT: 8.338 min Scan# 2192
Delta R.T. 0.007 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion: 69 Resp: 7568
Ion Ratio Lower Upper
69 100
41 65.5 30.3 90.8





#49

Toluene

Concen: 0.336 ug/l

RT: 7.968 min Scan# 2077

Delta R.T. 0.003 min

Lab File: VU055803.D

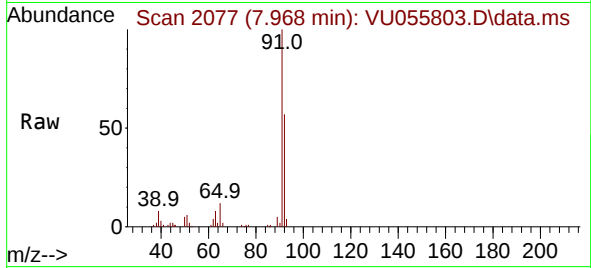
Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 92 Resp: 22970

Ion Ratio Lower Upper

92 100

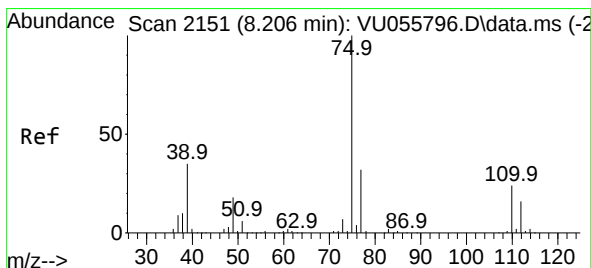
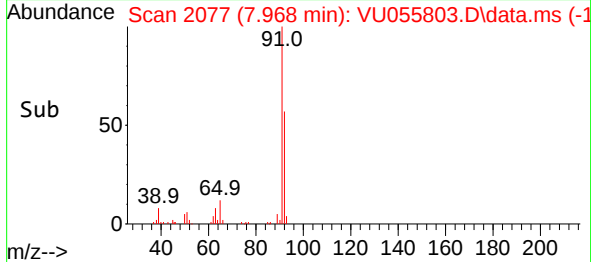
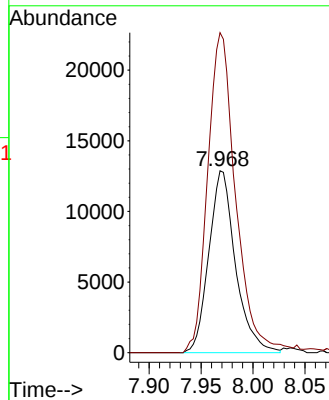
91 185.3 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#50

t-1,3-Dichloropropene

Concen: 0.336 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU055803.D

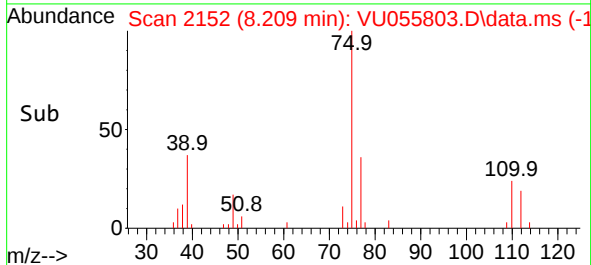
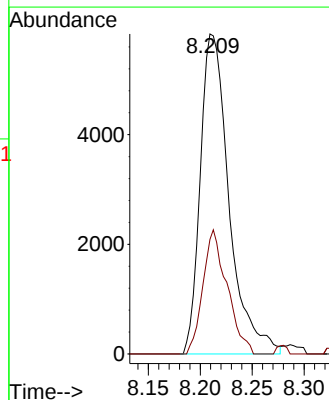
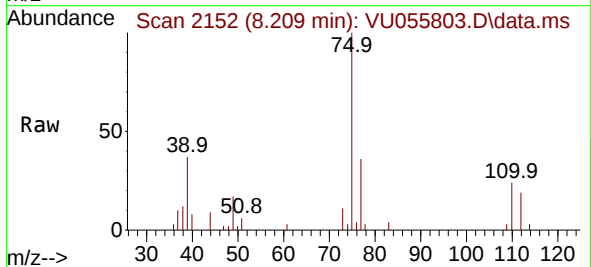
Acq: 18 Oct 2023 17:06

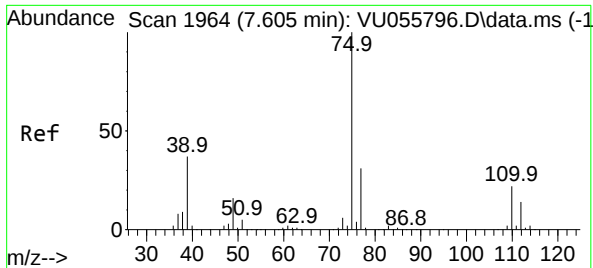
Tgt Ion: 75 Resp: 11240

Ion Ratio Lower Upper

75 100

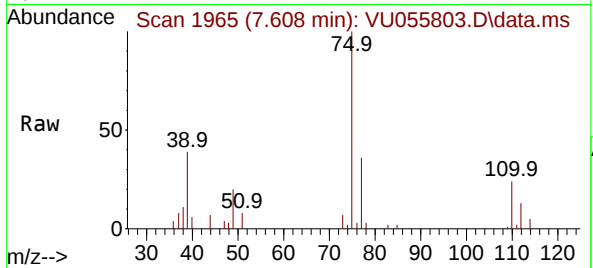
77 35.8 25.3 37.9





#51
 cis-1,3-Dichloropropene
 Concen: 0.334 ug/l
 RT: 7.608 min Scan# 1964
 Delta R.T. 0.003 min
 Lab File: VU055803.D
 Acq: 18 Oct 2023 17:06

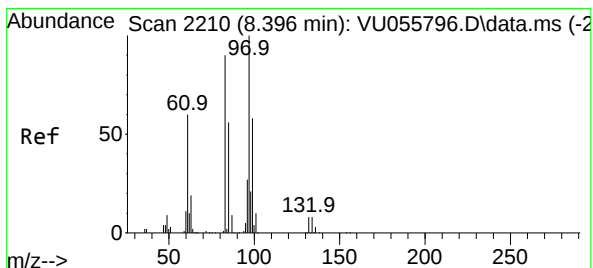
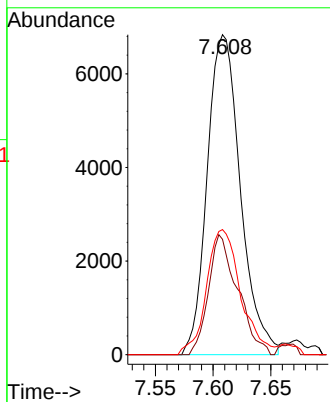
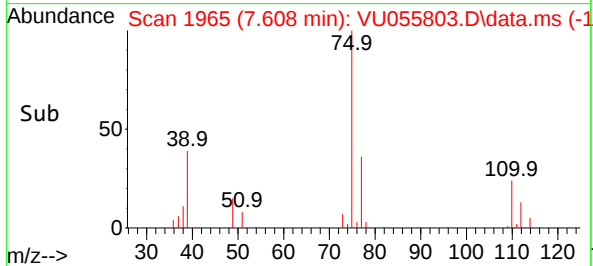
Instrument : MSVOA_U
 ClientSampleId : LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 75 Resp: 13710
 Ion Ratio Lower Upper
 75 100
 77 36.1 25.7 38.5
 39 39.1 32.8 49.2

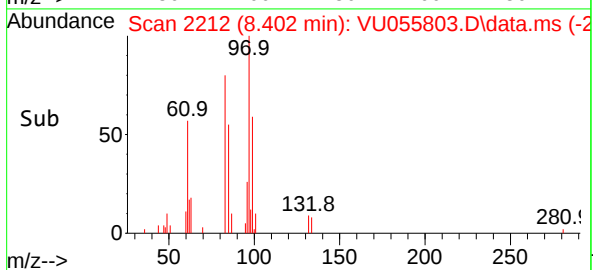
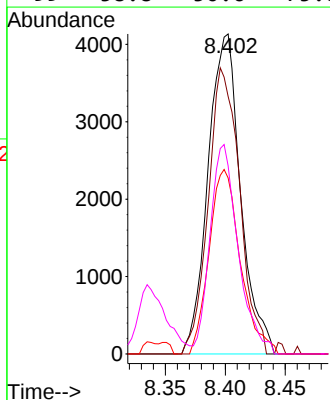
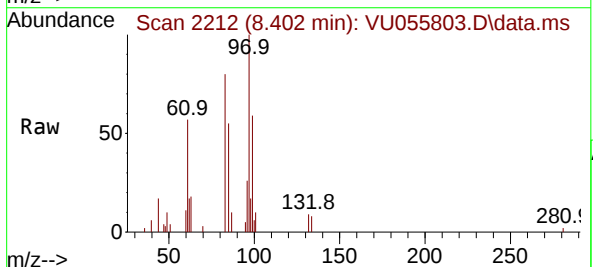
Manual Integrations
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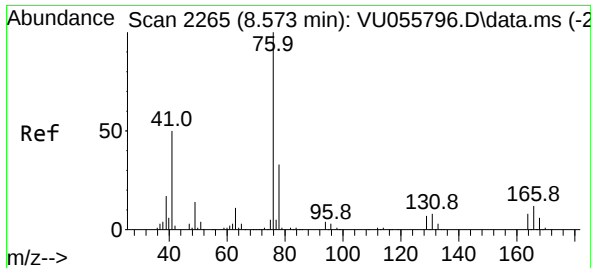
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#52
 1,1,2-Trichloroethane
 Concen: 0.381 ug/l
 RT: 8.402 min Scan# 2212
 Delta R.T. 0.006 min
 Lab File: VU055803.D
 Acq: 18 Oct 2023 17:06

Tgt Ion: 97 Resp: 7800
 Ion Ratio Lower Upper
 97 100
 83 80.5 71.8 107.8
 85 55.0 45.2 67.8
 99 58.8 50.6 75.8





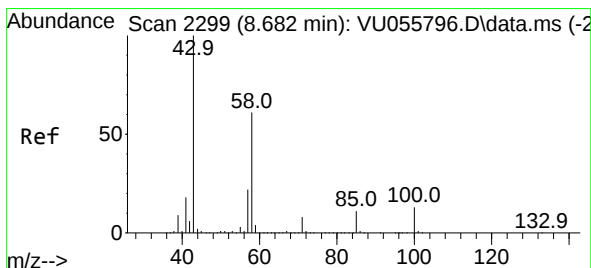
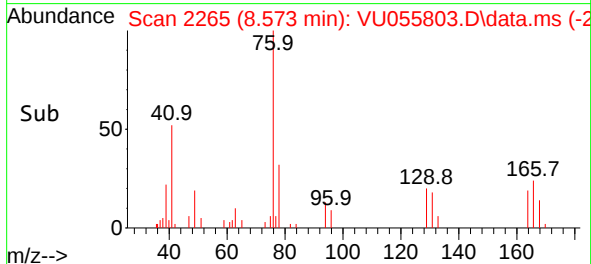
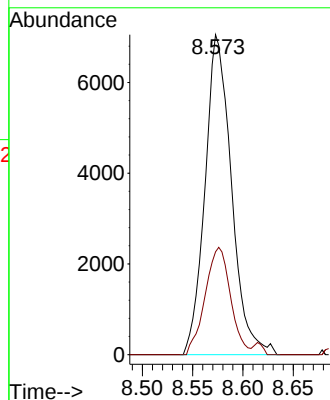
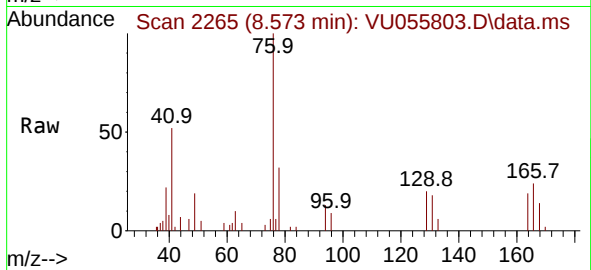
#53
1,3-Dichloropropane
Concen: 0.369 ug/l
RT: 8.573 min Scan# 2191
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 76 Resp: 1291
Ion Ratio Lower Upper
76 100
78 32.3 25.9 38.9

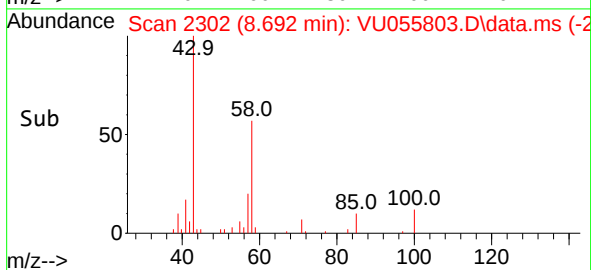
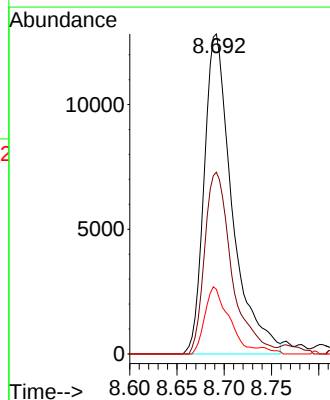
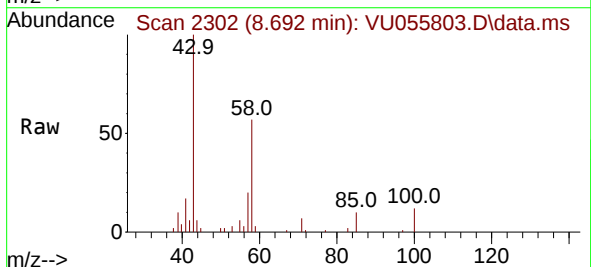
Manual Integrations
APPROVED

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



#54
2-Hexanone
Concen: 1.592 ug/l
RT: 8.692 min Scan# 2302
Delta R.T. 0.010 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

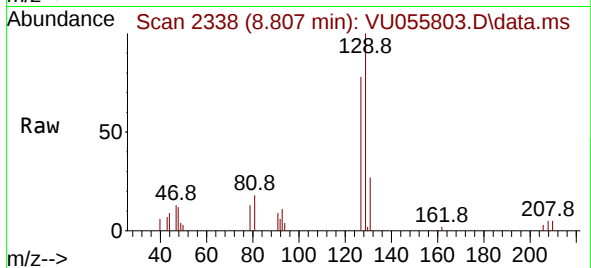
Tgt Ion: 43 Resp: 26414
Ion Ratio Lower Upper
43 100
58 55.4 38.2 78.2
57 18.2 0.0 39.1





#55
Dibromochloromethane
Concen: 0.353 ug/l
RT: 8.807 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

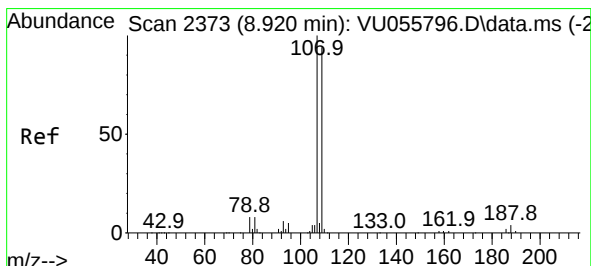
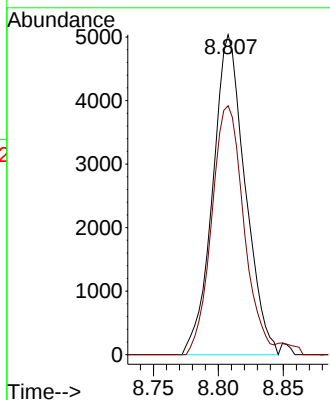
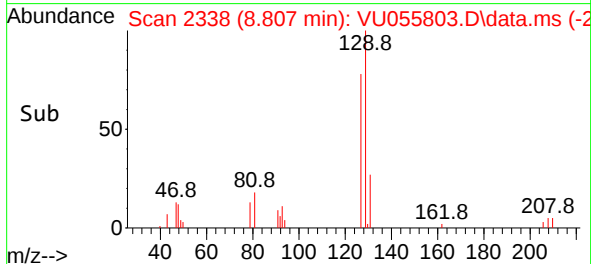
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



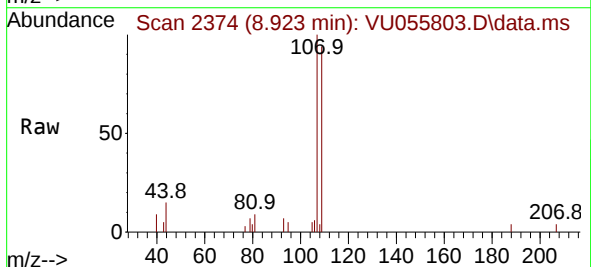
Tgt Ion:129 Resp: 871
Ion Ratio Lower Upper
129 100
127 77.3 61.4 92.0

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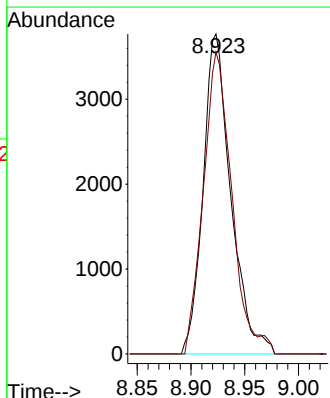
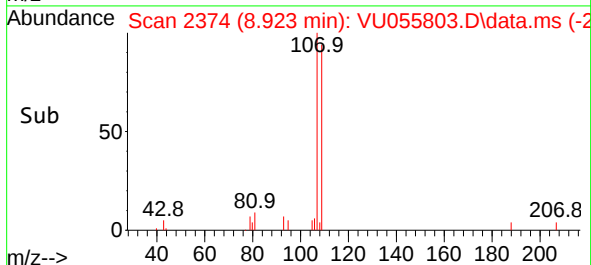
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

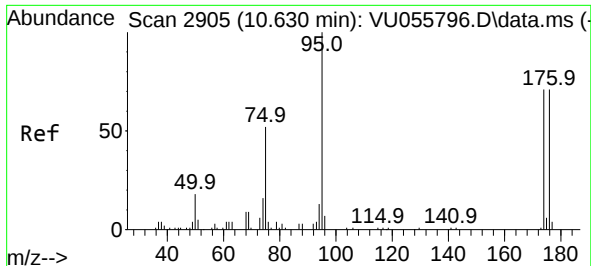


#56
1,2-Dibromoethane
Concen: 0.362 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06



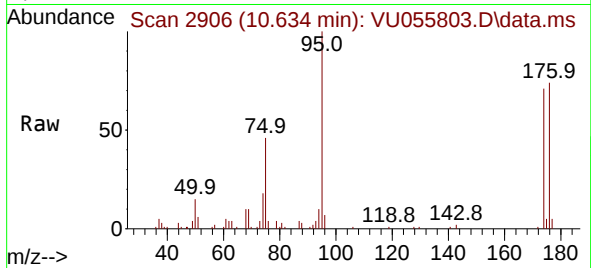
Tgt Ion:107 Resp: 6759
Ion Ratio Lower Upper
107 100
109 97.2 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.904 ug/l
RT: 10.634 min Scan# 2905
Delta R.T. 0.004 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

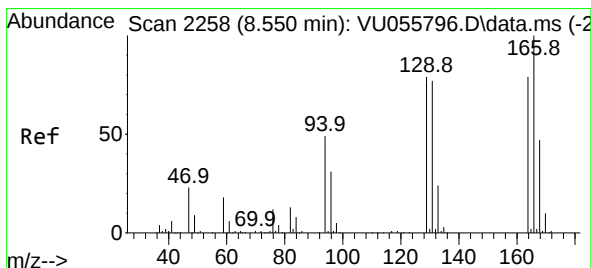
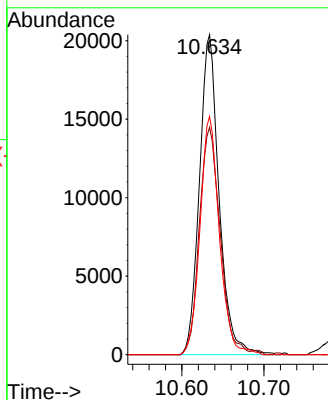
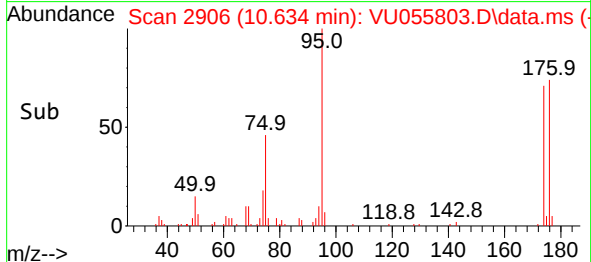
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



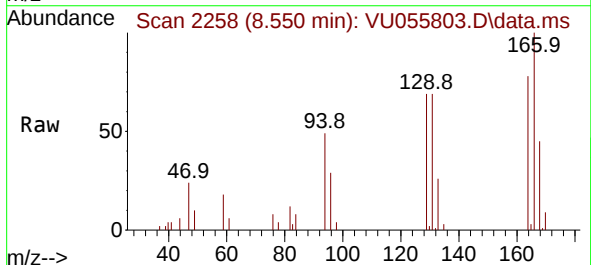
Tgt Ion: 95 Resp: 33900
Ion Ratio Lower Upper
95 100
174 74.9 63.3 94.9
176 73.5 59.3 88.9

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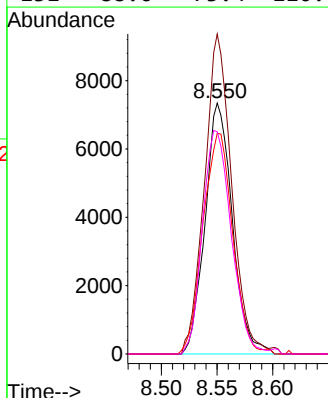
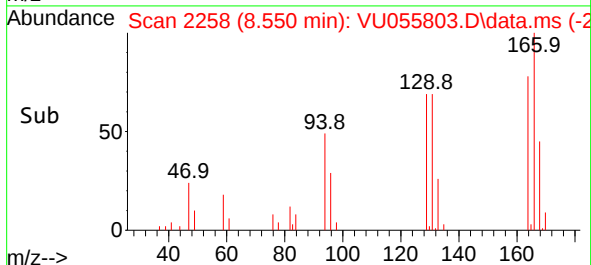
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#58
Tetrachloroethene
Concen: 0.401 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06



Tgt Ion:164 Resp: 12514
Ion Ratio Lower Upper
164 100
166 127.6 99.6 149.4
129 88.0 78.6 117.8
131 88.6 73.4 110.0





#59

Chlorobenzene

Concen: 0.351 ug/l

RT: 9.447 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion:112 Resp: 26460

Ion Ratio Lower Upper

112 100

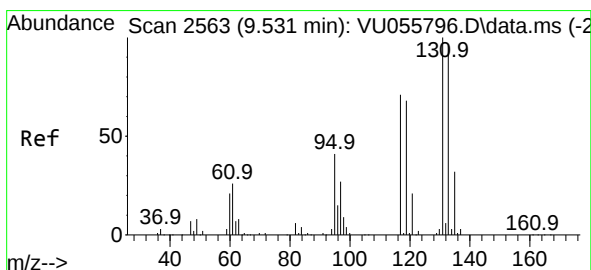
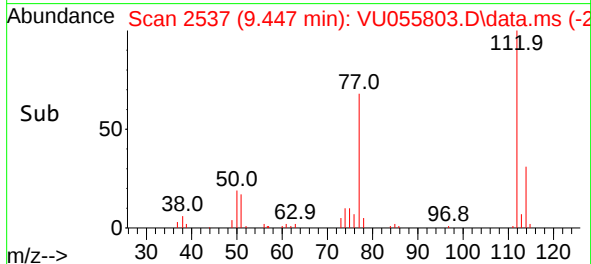
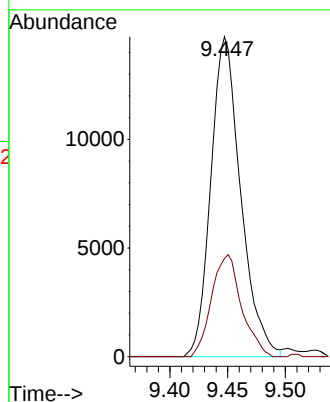
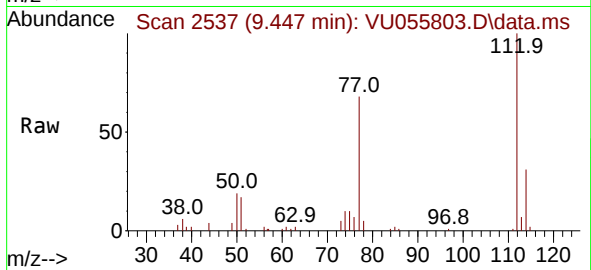
114 30.7 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#60

1,1,1,2-Tetrachloroethane

Concen: 0.347 ug/l

RT: 9.531 min Scan# 2563

Delta R.T. -0.000 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

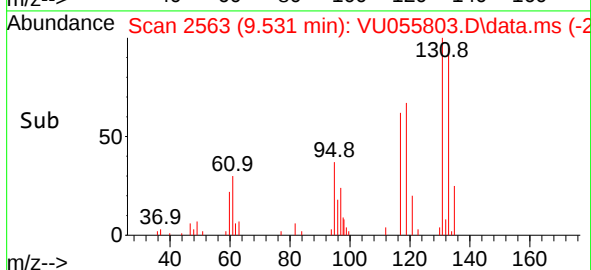
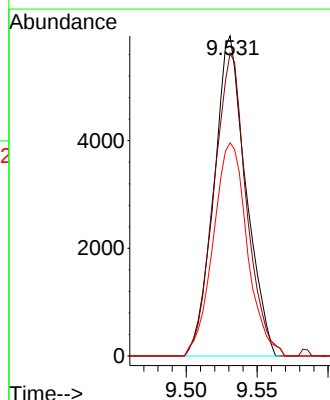
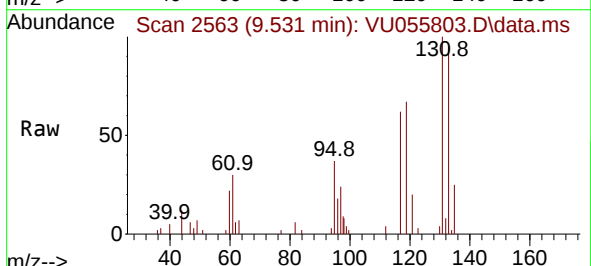
Tgt Ion:131 Resp: 9338

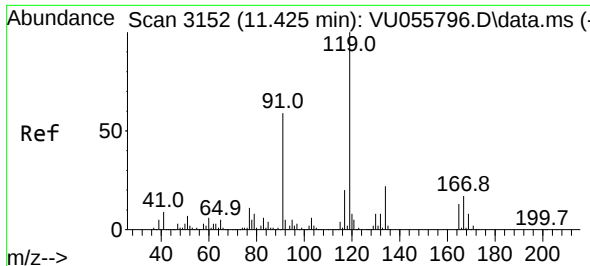
Ion Ratio Lower Upper

131 100

133 95.7 77.8 116.6

119 70.7 55.2 82.8





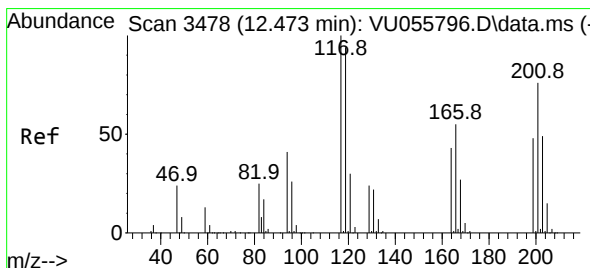
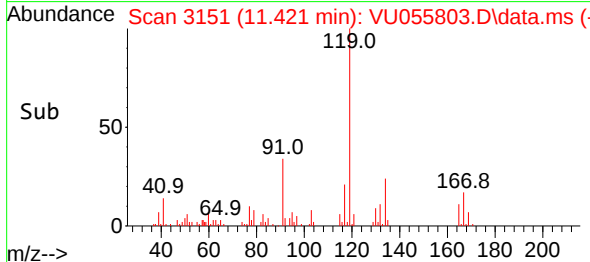
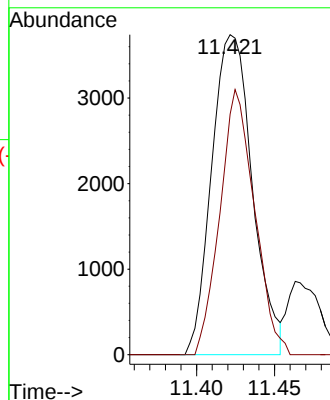
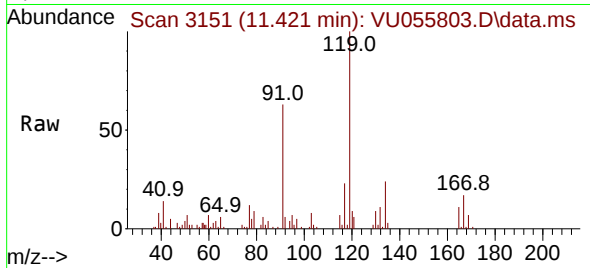
#61
Pentachloroethane
Concen: 0.373 ug/l
RT: 11.421 min Scan# 3152
Delta R.T. -0.004 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:117 Resp: 6780
Ion Ratio Lower Upper
117 100
167 70.5 56.7 85.1

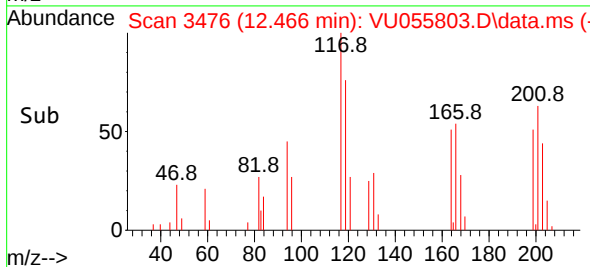
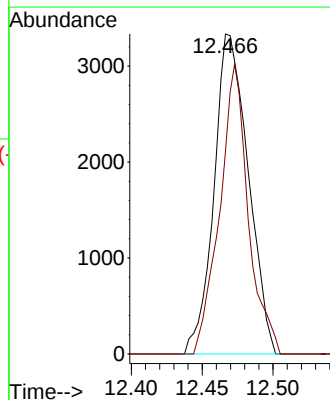
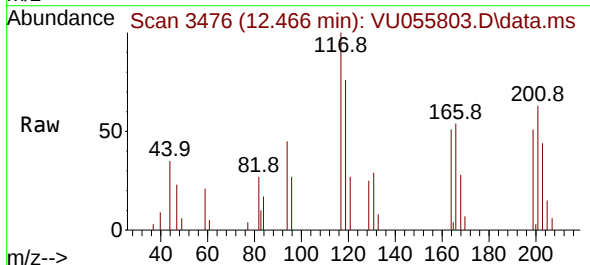
Manual Integrations
APPROVED

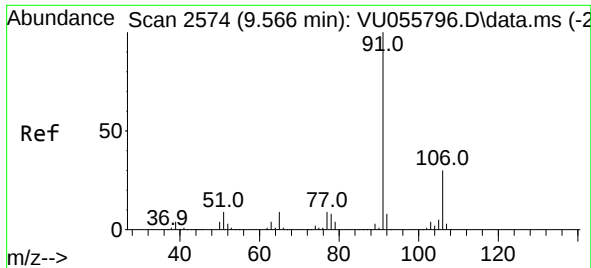
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#62
Hexachloroethane
Concen: 0.291 ug/l
RT: 12.466 min Scan# 3476
Delta R.T. -0.007 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion:117 Resp: 5605
Ion Ratio Lower Upper
117 100
201 75.5 59.6 89.4





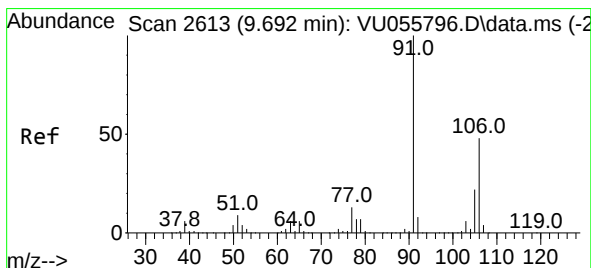
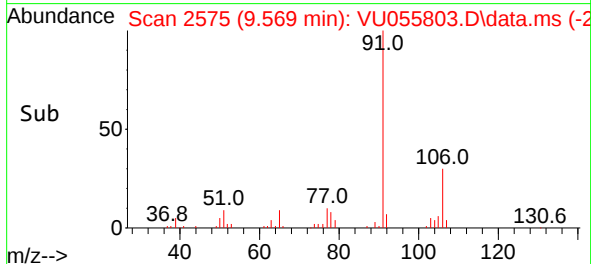
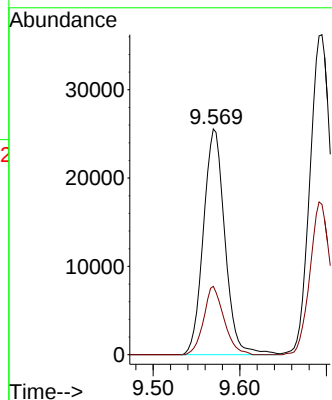
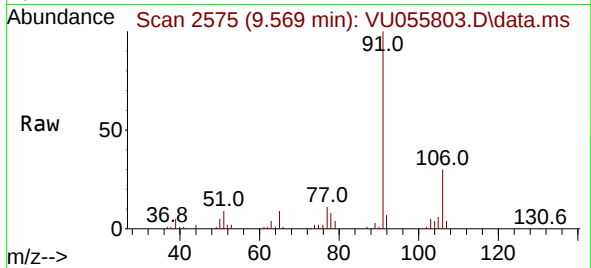
#63
Ethyl Benzene
Concen: 0.344 ug/l
RT: 9.569 min Scan# 2100
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 91 Resp: 4409
Ion Ratio Lower Upper
91 100
106 30.2 24.2 36.2

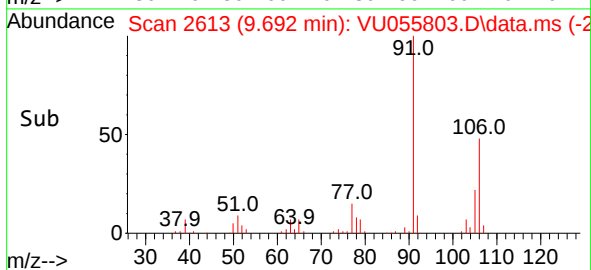
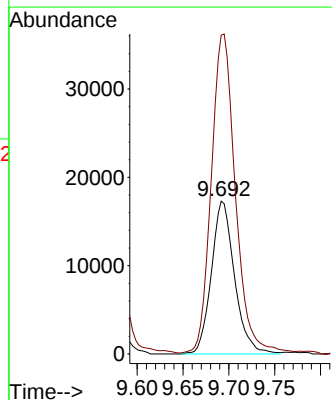
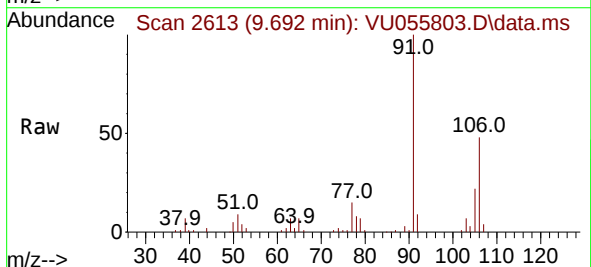
Manual Integrations
APPROVED

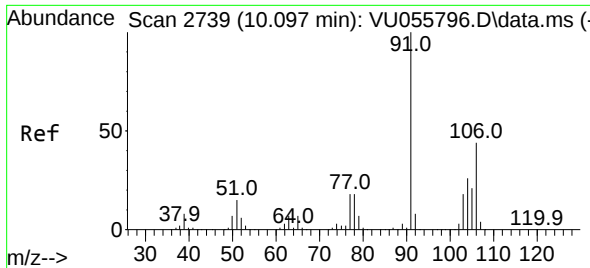
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#64
m/p-Xylenes
Concen: 0.618 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion:106 Resp: 30387
Ion Ratio Lower Upper
106 100
91 216.5 167.3 250.9





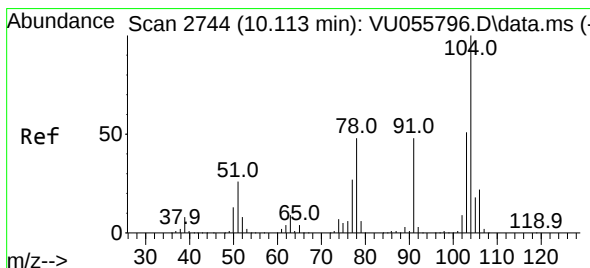
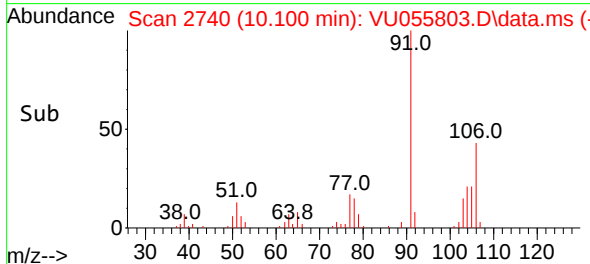
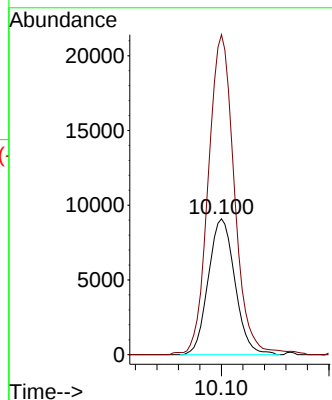
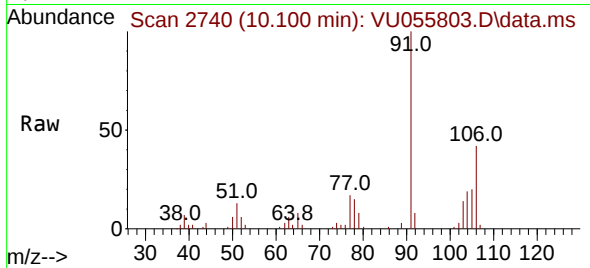
#65
o-Xylene
Concen: 0.324 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:106 Resp: 15624
Ion Ratio Lower Upper
106 100
91 231.5 109.3 327.9

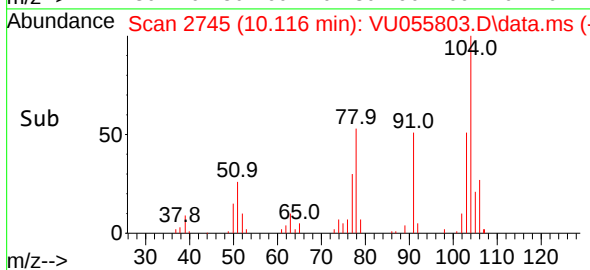
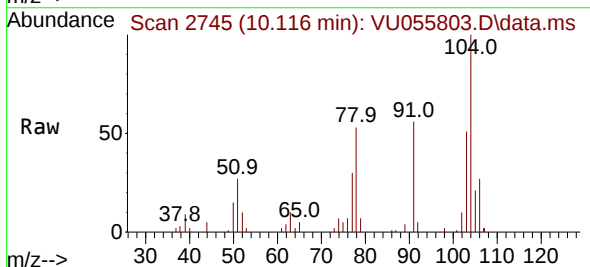
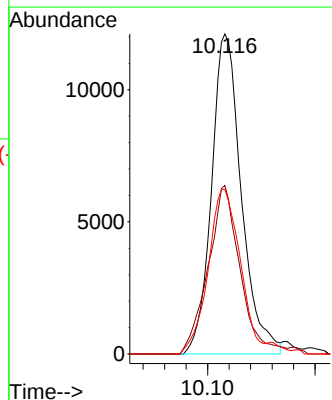
Manual Integrations
APPROVED

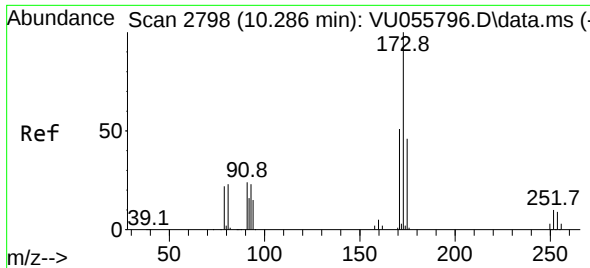
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#66
Styrene
Concen: 0.309 ug/l
RT: 10.116 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

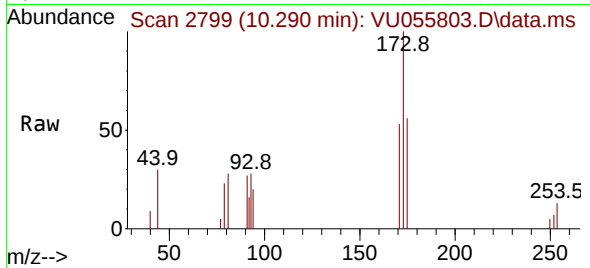
Tgt Ion:104 Resp: 23317
Ion Ratio Lower Upper
104 100
78 56.3 39.7 59.5
103 55.4 44.8 67.2





#67
Bromoform
Concen: 0.333 ug/l
RT: 10.290 min Scan# 2798
Delta R.T. 0.004 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

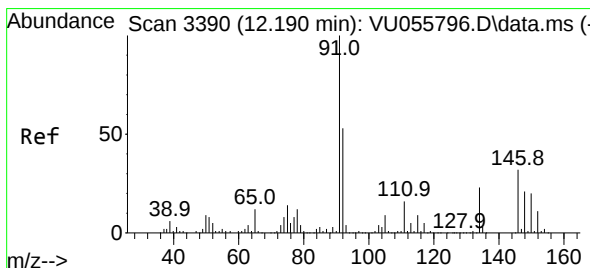
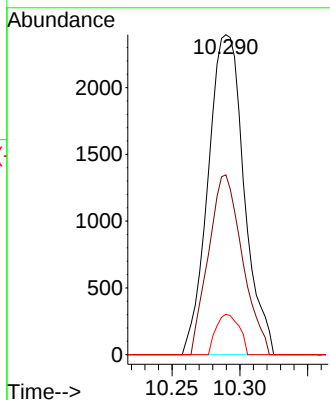
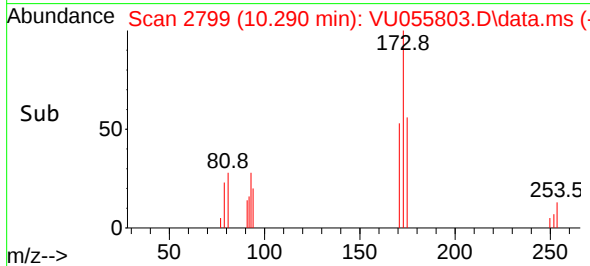
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



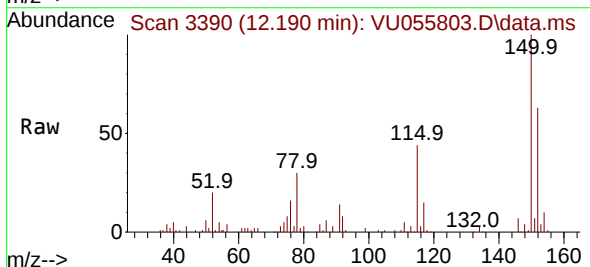
Tgt Ion:173 Resp: 442
Ion Ratio Lower Upper
173 100
175 52.8 39.0 58.6
254 8.1 7.4 11.0

Manual Integrations
APPROVED

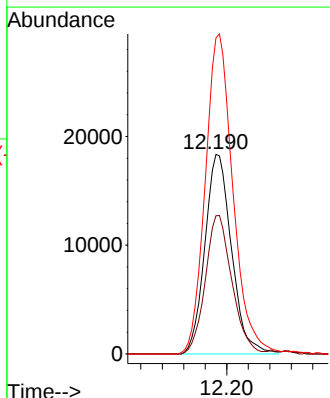
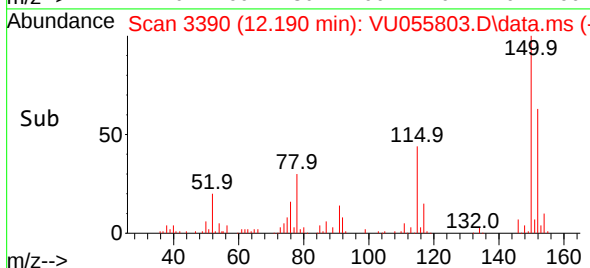
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

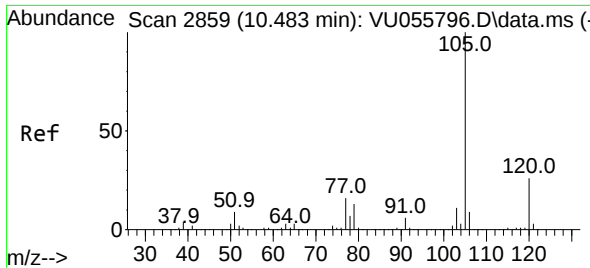


#68
1,2-Dichlorobenzene-d4
Concen: 0.908 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06



Tgt Ion:152 Resp: 31591
Ion Ratio Lower Upper
152 100
115 69.2 0.0 308.8
150 167.4 0.0 635.0





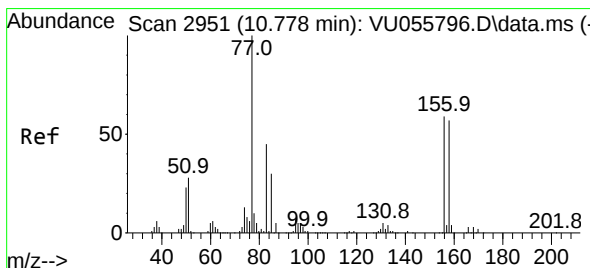
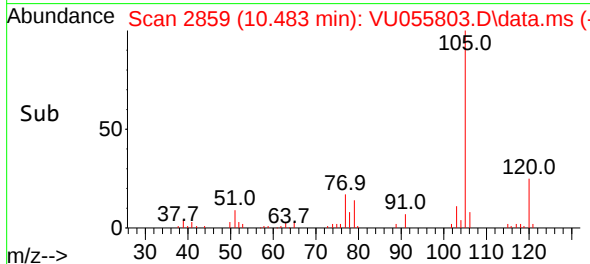
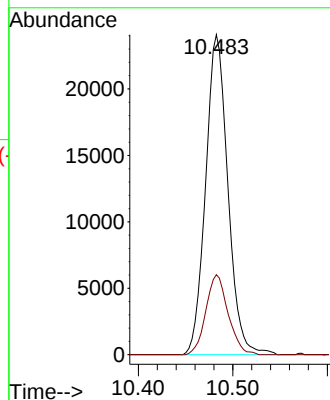
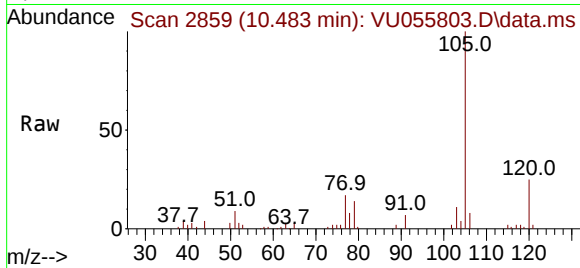
#69
Isopropylbenzene
Concen: 0.317 ug/l
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:105 Resp: 39408
Ion Ratio Lower Upper
105 100
120 25.0 12.8 38.4

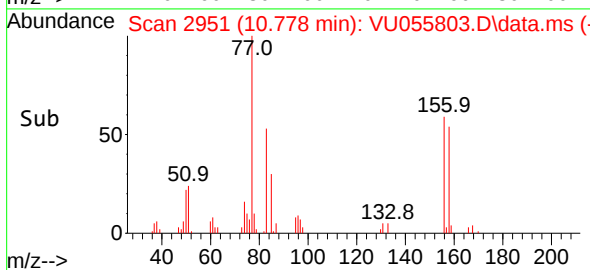
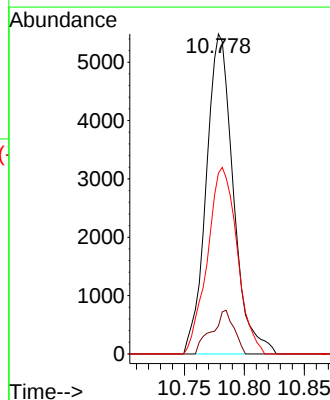
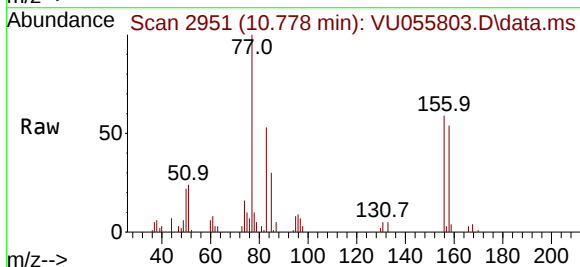
Manual Integrations
APPROVED

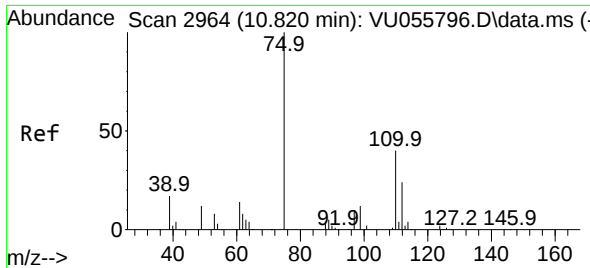
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 0.359 ug/l
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

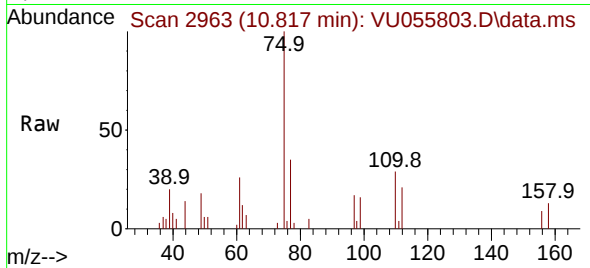
Tgt Ion: 83 Resp: 8598
Ion Ratio Lower Upper
83 100
131 11.2 7.2 10.8#
85 63.9 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 0.390 ug/l m
RT: 10.817 min Scan# 2963
Delta R.T. -0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

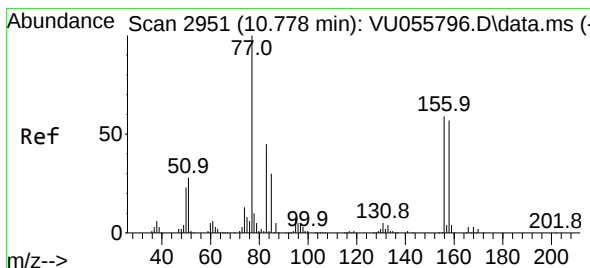
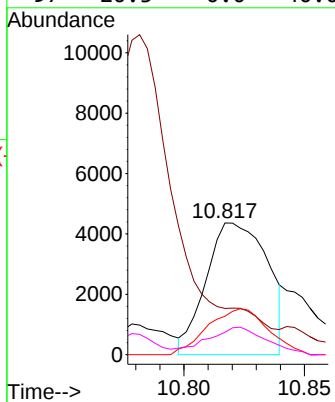
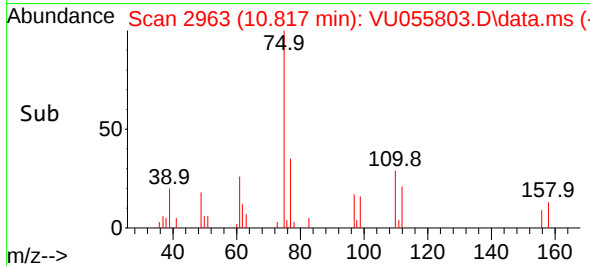
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



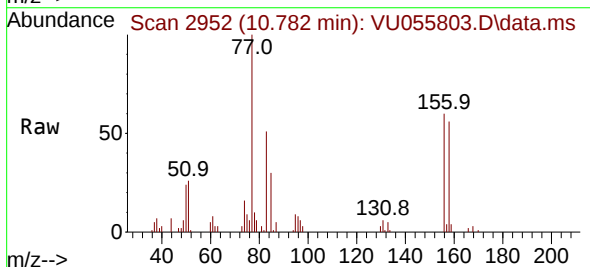
Tgt Ion:	75	Resp:	7729
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	116.4
110	34.4	0.0	74.6
97	20.3	0.0	40.0

Manual Integrations
APPROVED

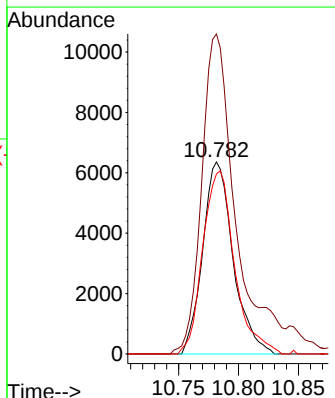
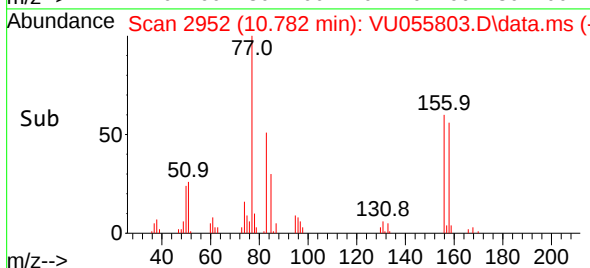
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

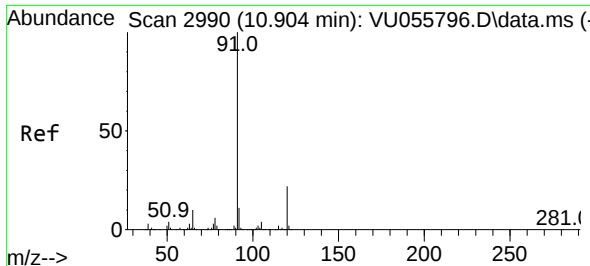


#72
Bromobenzene
Concen: 0.378 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06



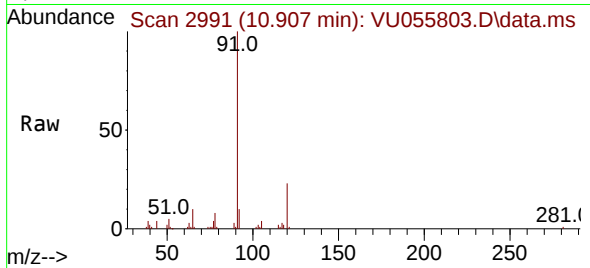
Tgt Ion:	156	Resp:	11220
Ion Ratio	Lower	Upper	
156	100		
77	186.0	0.0	343.0
158	99.7	0.0	194.8





#73
n-propylbenzene
Concen: 0.311 ug/l
RT: 10.907 min Scan# 2991
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

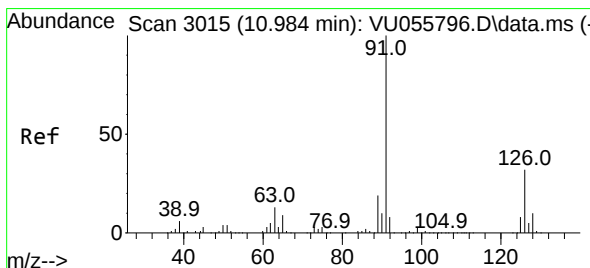
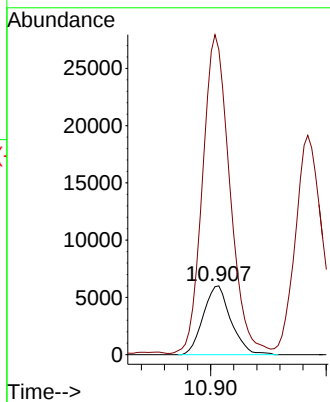
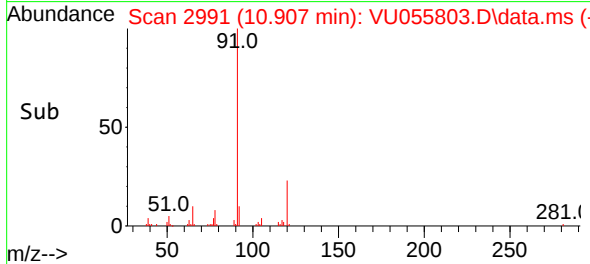
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion:120 Resp: 996
Ion Ratio Lower Upper
120 100
91 457.2 369.8 554.6

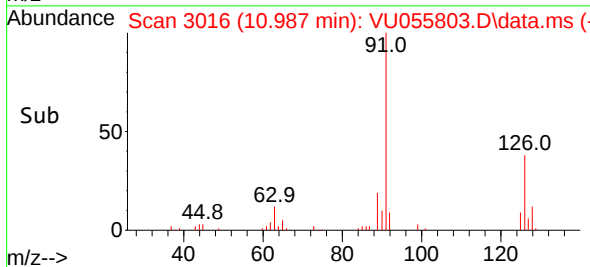
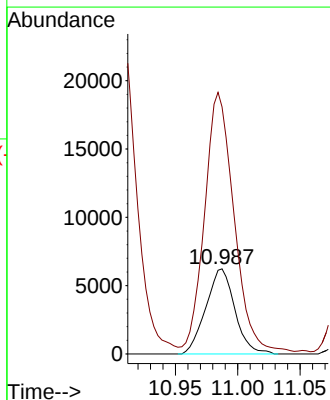
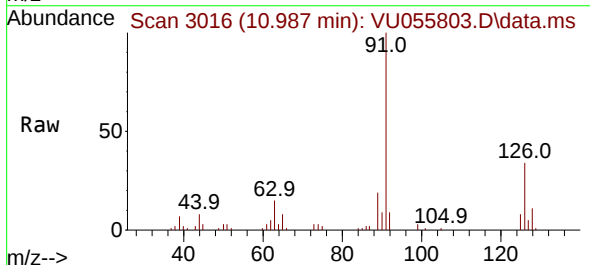
Manual Integrations
APPROVED

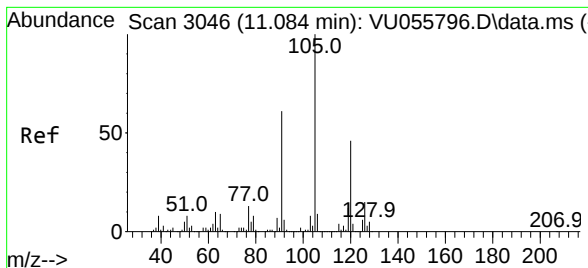
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#74
2-Chlorotoluene
Concen: 0.338 ug/l
RT: 10.987 min Scan# 3016
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

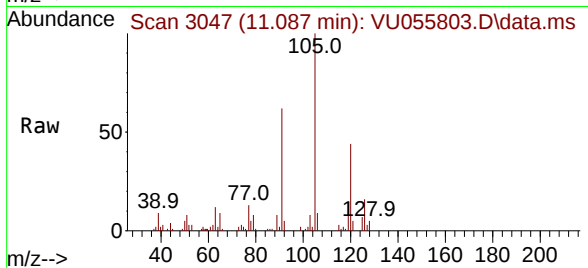
Tgt Ion:126 Resp: 10078
Ion Ratio Lower Upper
126 100
91 309.6 0.0 610.0





#75
1,3,5-Trimethylbenzene
Concen: 0.313 ug/l
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

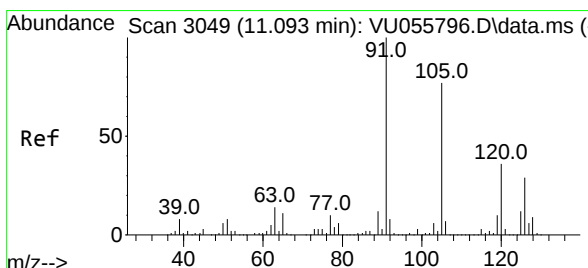
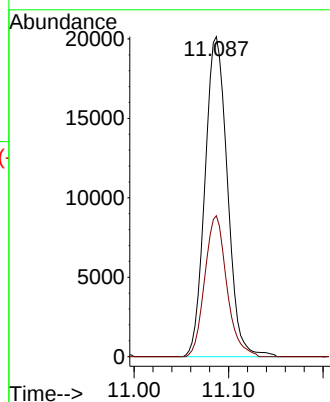
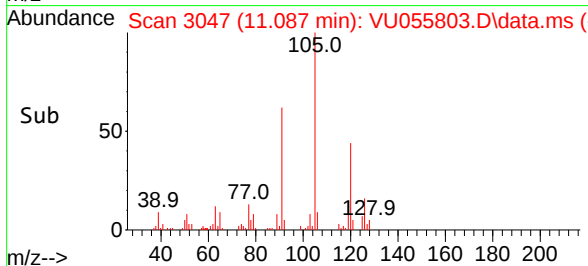
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023



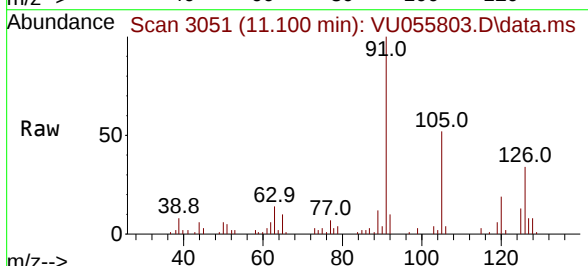
Tgt Ion:105 Resp: 33244
Ion Ratio Lower Upper
105 100
120 43.2 37.8 56.8

Manual Integrations
APPROVED

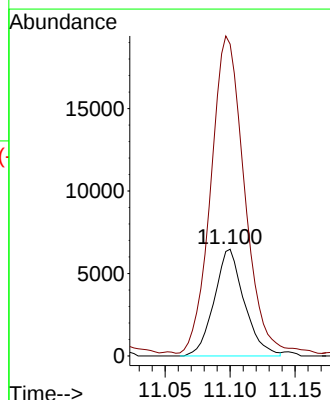
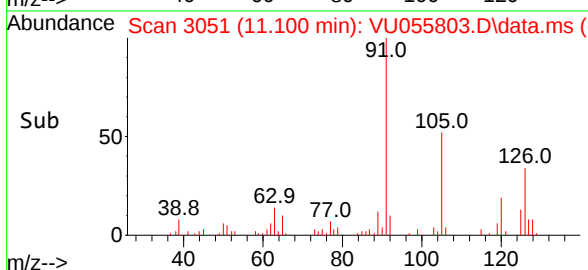
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

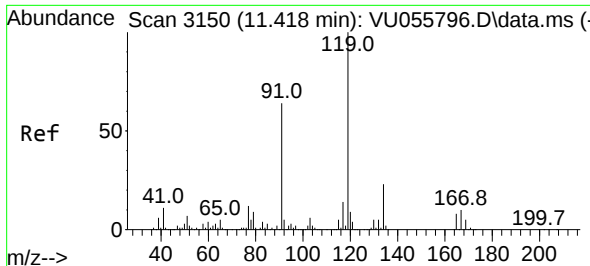


#76
4-Chlorotoluene
Concen: 0.342 ug/l
RT: 11.100 min Scan# 3051
Delta R.T. 0.007 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06



Tgt Ion:126 Resp: 10397
Ion Ratio Lower Upper
126 100
91 332.6 0.0 686.2





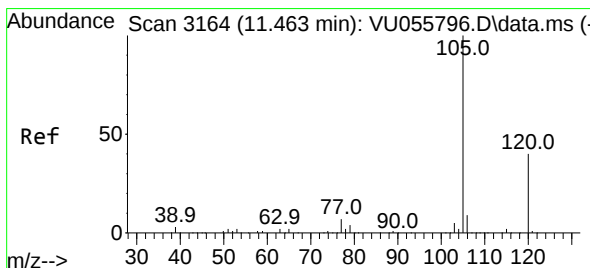
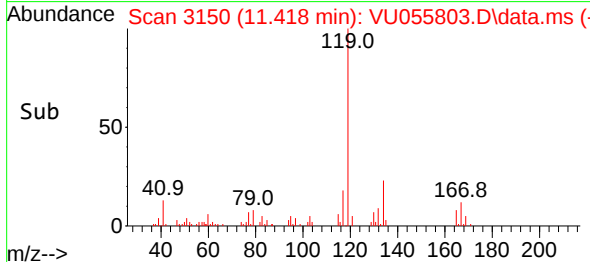
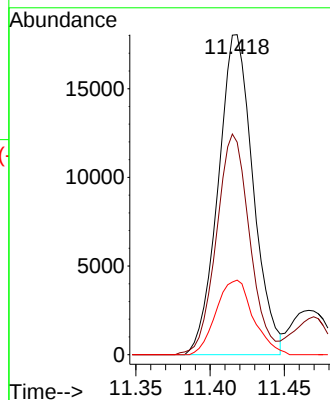
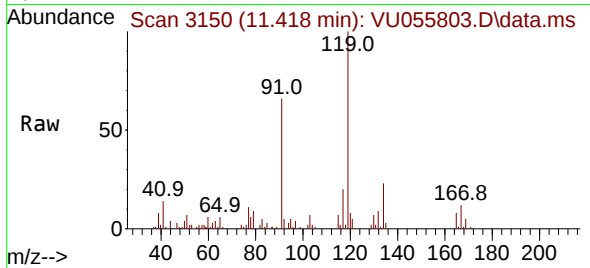
#77
tert-Butylbenzene
Concen: 0.304 ug/l
RT: 11.418 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:119 Resp: 2956
Ion Ratio Lower Upper
119 100
91 65.4 30.8 92.4
134 24.7 18.0 27.0

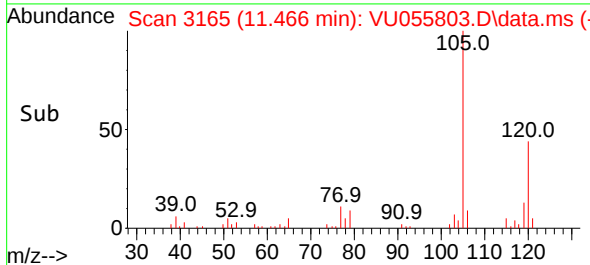
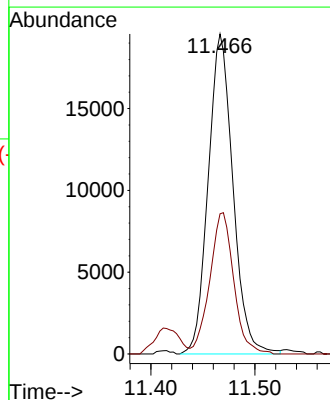
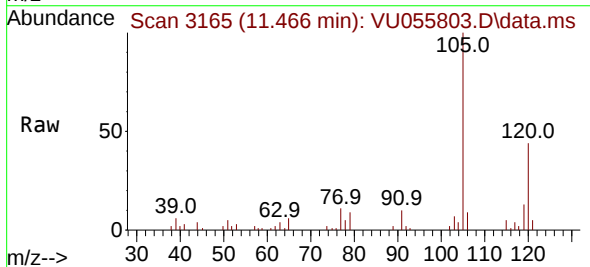
Manual Integrations
APPROVED

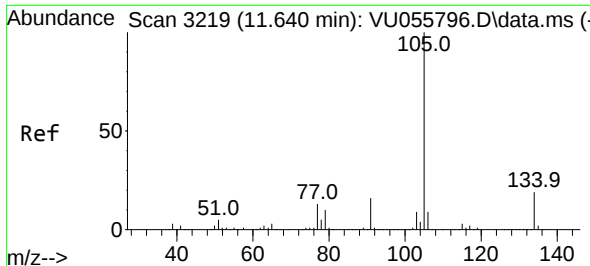
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.307 ug/l
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

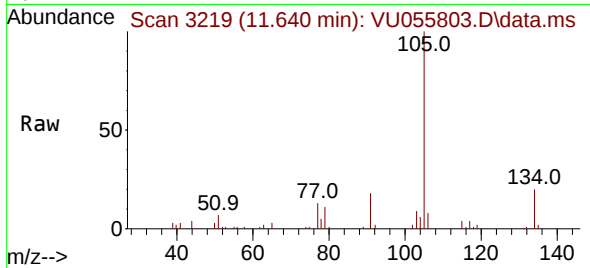
Tgt Ion:105 Resp: 32330
Ion Ratio Lower Upper
105 100
120 42.8 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 0.311 ug/l
 RT: 11.640 min Scan# 3219
 Delta R.T. 0.000 min
 Lab File: VU055803.D
 Acq: 18 Oct 2023 17:06

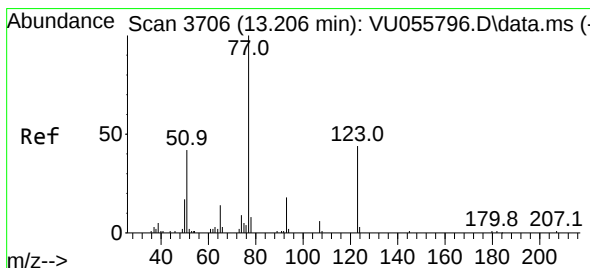
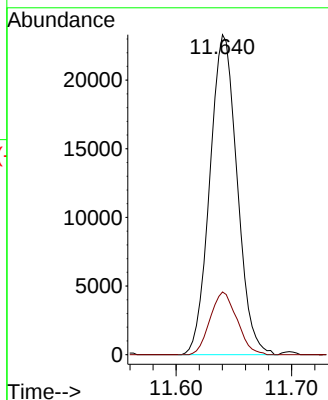
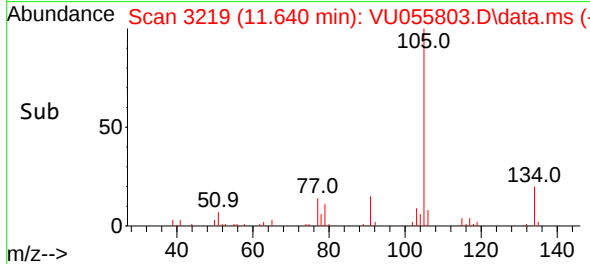
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023



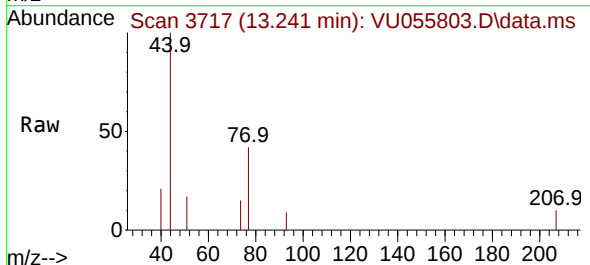
Tgt Ion:105 Resp: 38269
 Ion Ratio Lower Upper
 105 100
 134 19.3 14.9 22.3

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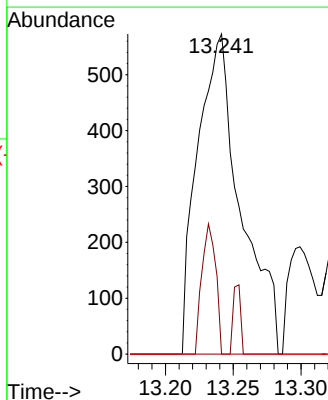
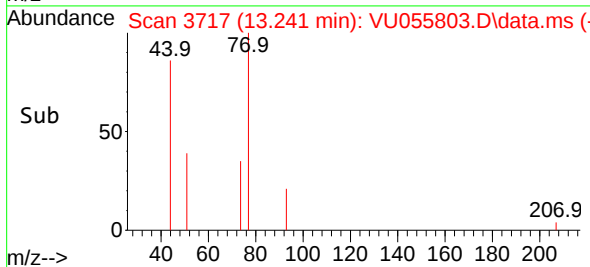
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

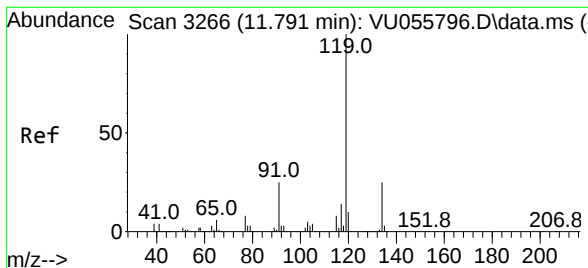


#80
 Nitrobenzene
 Concen: 1.999 ug/l
 RT: 13.241 min Scan# 3717
 Delta R.T. 0.035 min
 Lab File: VU055803.D
 Acq: 18 Oct 2023 17:06



Tgt Ion: 77 Resp: 1265
 Ion Ratio Lower Upper
 77 100
 123 13.1 19.7 69.7#
 65 0.0 11.5 14.7#





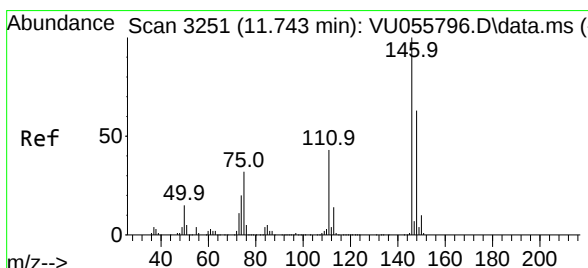
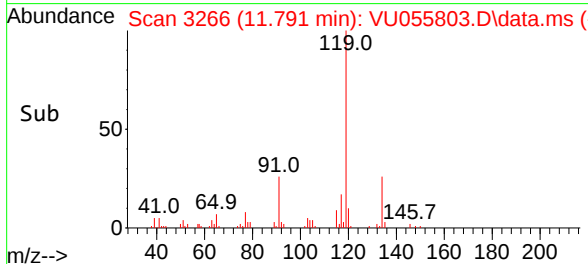
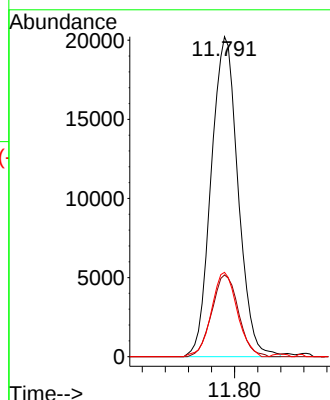
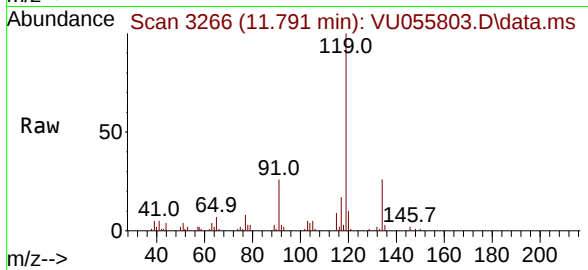
#81
p-Isopropyltoluene
Concen: 0.330 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023

Tgt Ion:	119	Resp:	3266
Ion Ratio	Lower	Upper	
119	100		
134	25.4	20.2	30.4
91	25.4	19.3	28.9

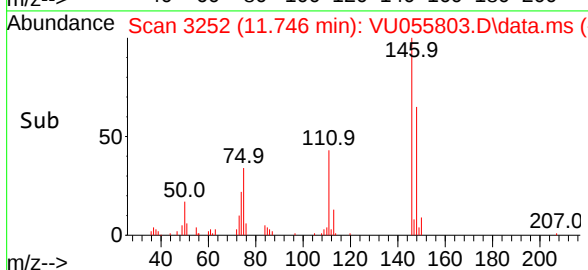
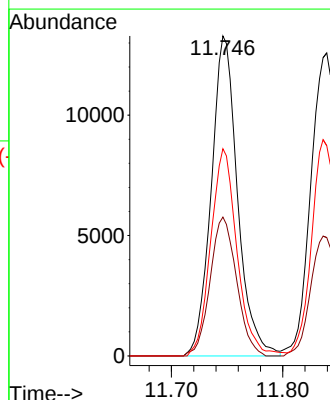
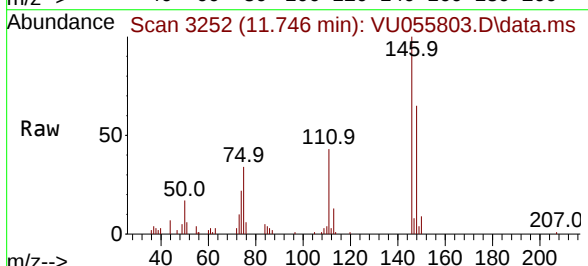
Manual Integrations
APPROVED

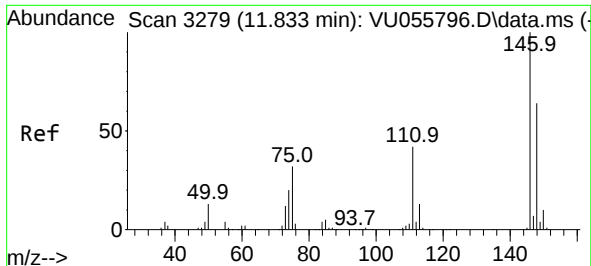
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#82
1,3-Dichlorobenzene
Concen: 0.360 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

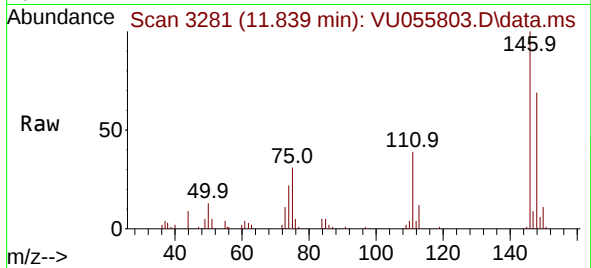
Tgt Ion:	146	Resp:	21792
Ion Ratio	Lower	Upper	
146	100		
111	43.7	32.6	49.0
148	64.8	51.0	76.4





#83
1,4-Dichlorobenzene
Concen: 0.378 ug/l
RT: 11.839 min Scan# 3279
Delta R.T. 0.006 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

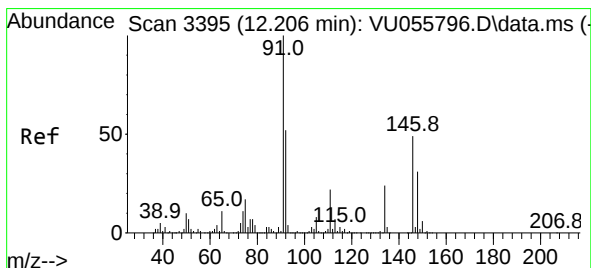
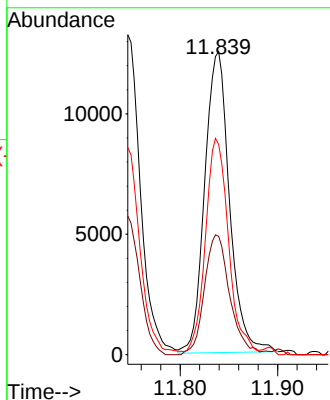
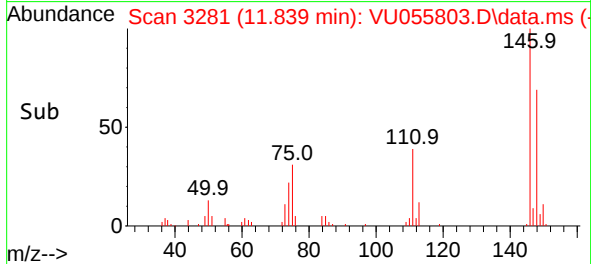
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion:146 Resp: 2215
Ion Ratio Lower Upper
146 100
111 40.5 31.6 47.4
148 65.0 50.3 75.5

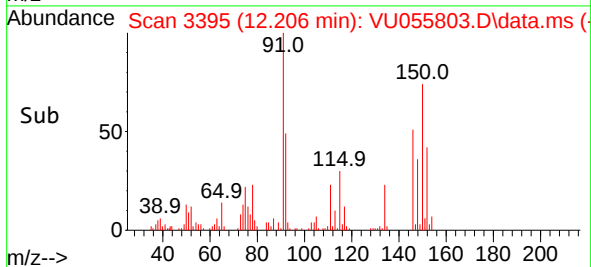
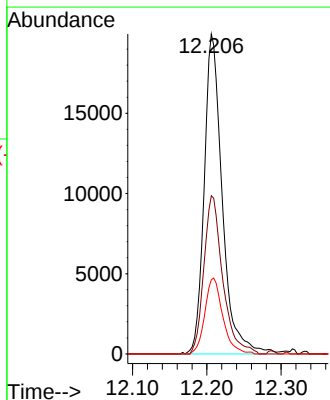
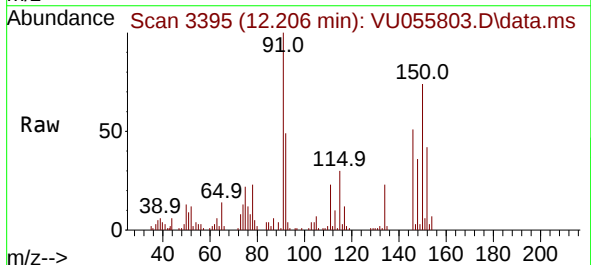
Manual Integrations
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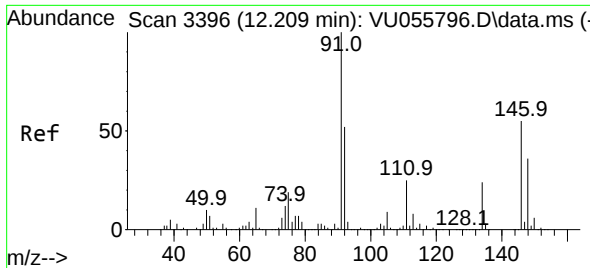
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#84
n-Butylbenzene
Concen: 0.399 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. -0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

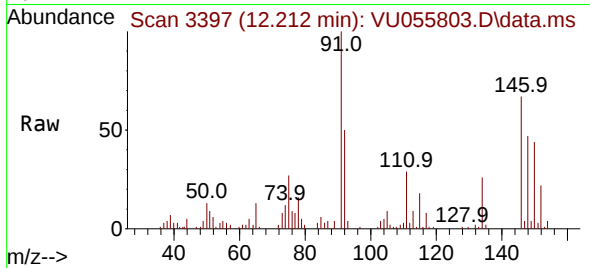
Tgt Ion: 91 Resp: 33701
Ion Ratio Lower Upper
91 100
92 51.5 40.8 61.2
134 23.6 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 0.376 ug/l
RT: 12.212 min Scan# 3396
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

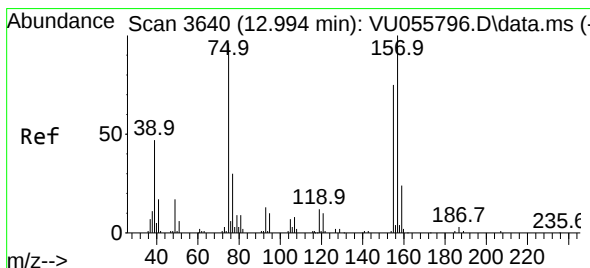
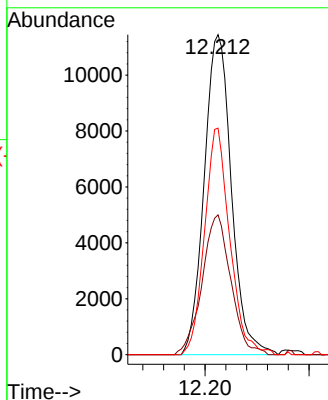
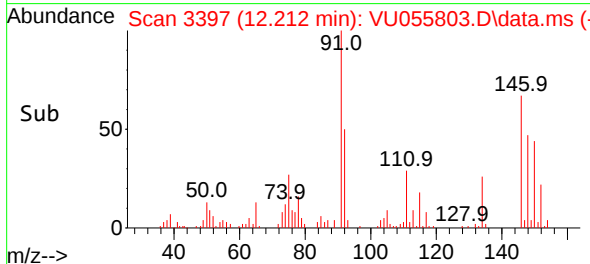
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion:146 Resp: 2080
Ion Ratio Lower Upper
146 100
111 46.0 21.6 64.6
148 65.9 32.1 96.5

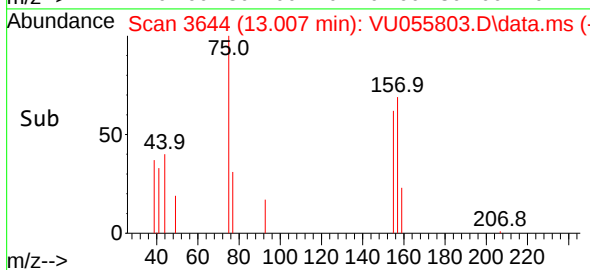
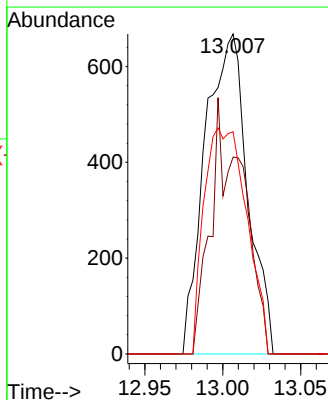
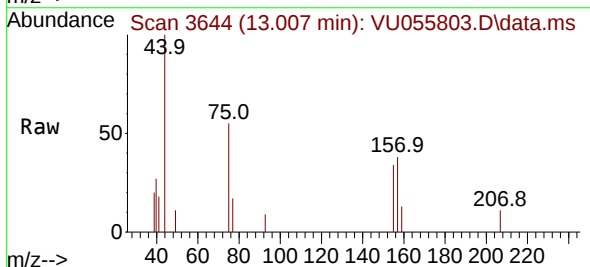
Manual Integrations
APPROVED

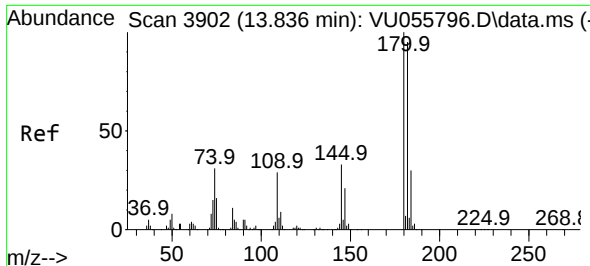
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.371 ug/l
RT: 13.007 min Scan# 3644
Delta R.T. 0.013 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion: 75 Resp: 1267
Ion Ratio Lower Upper
75 100
155 31.0 61.8 92.8#
157 70.7 80.2 120.4#





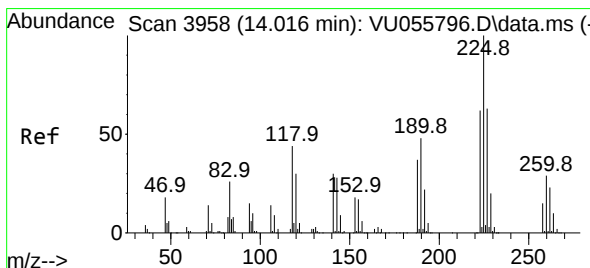
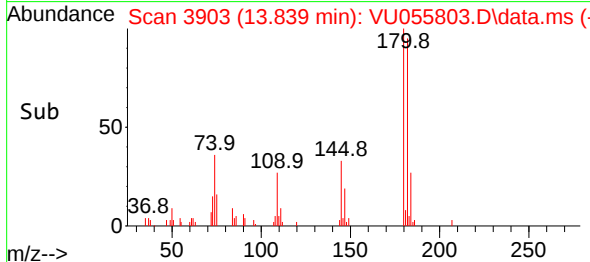
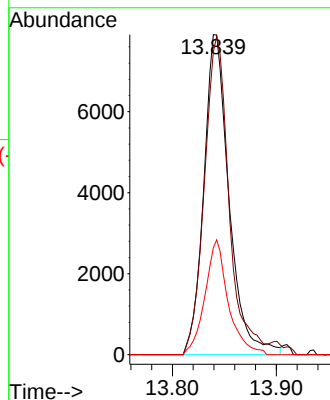
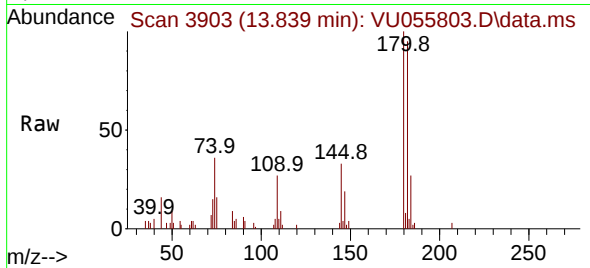
#87
1,2,4-Trichlorobenzene
Concen: 0.445 ug/l
RT: 13.839 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023

Tgt Ion:180 Resp: 1335
Ion Ratio Lower Upper
180 100
182 96.9 75.8 113.6
145 33.1 23.9 35.9

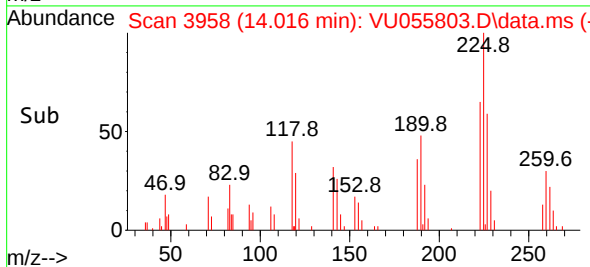
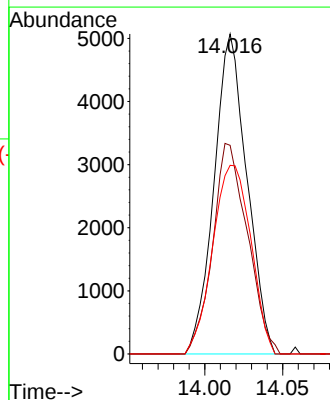
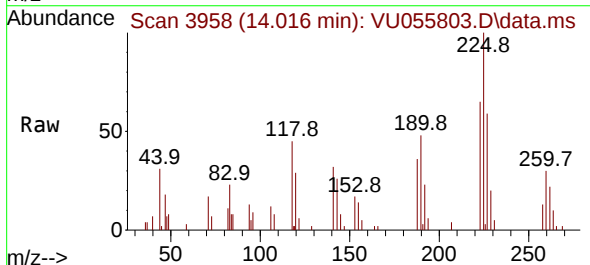
Manual Integrations
APPROVED

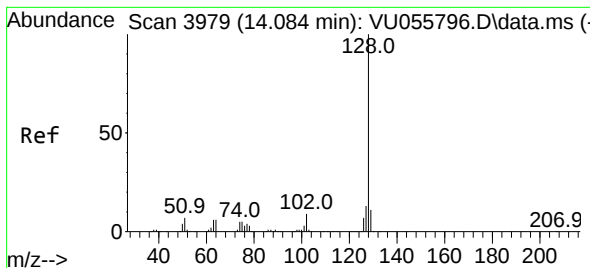
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#88
Hexachlorobutadiene
Concen: 0.356 ug/l
RT: 14.016 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU055803.D
Acq: 18 Oct 2023 17:06

Tgt Ion:225 Resp: 7430
Ion Ratio Lower Upper
225 100
223 69.6 50.2 75.4
227 68.4 51.5 77.3





#89

Naphthalene

Concen: 0.530 ug/l

RT: 14.090 min Scan# 3979

Delta R.T. 0.006 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

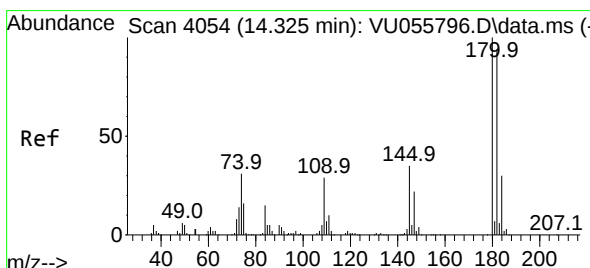
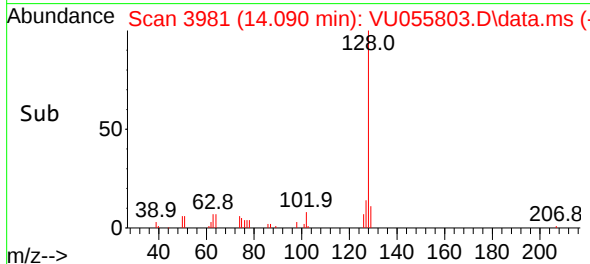
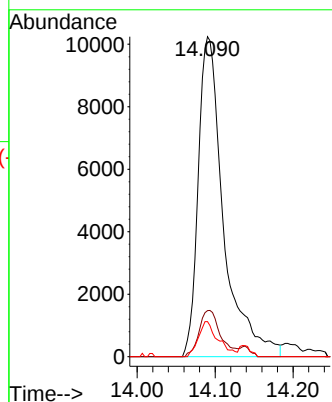
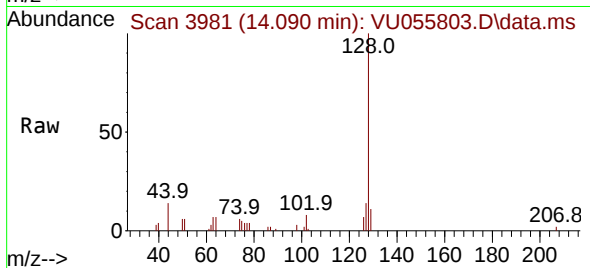
Tgt Ion:128	Resp:	23140
Ion Ratio	Lower	Upper
128	100	
127	12.3	10.9 16.3
129	8.6	8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#90

1,2,3-Trichlorobenzene

Concen: 0.473 ug/l

RT: 14.331 min Scan# 4056

Delta R.T. 0.006 min

Lab File: VU055803.D

Acq: 18 Oct 2023 17:06

Tgt Ion:180	Resp:	12188
Ion Ratio	Lower	Upper
180	100	
182	98.3	75.7 113.5
145	32.8	26.1 39.1

