

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101823\
 Data File : VU055805.D
 Acq On : 18 Oct 2023 17:55
 Operator : MD/SY
 Sample : 04699-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Oct 19 04:20:43 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	6.110	96	87935	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	34554	0.996	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
68) 1,2-Dichlorobenzene-d4	12.190	152	32154	1.000	ug/l	0.00
Spiked Amount 1.000			Recovery	=	100.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	26423	0.774	ug/l	97
3) Chloromethane	1.518	50	23616	0.809	ug/l	100
4) Vinyl Chloride	1.602	62	23845	0.797	ug/l	99
5) Bromomethane	1.856	94	15545	0.944	ug/l	91
6) Chloroethane	1.933	64	12770	0.881	ug/l	98
7) Trichlorofluoromethane	2.136	101	31907	0.809	ug/l	96
8) 1,1,2-Trichloro-1,2,2-...	2.580	101	20837	0.792	ug/l	96
9) 1,1-Dichloroethene	2.576	96	19402	0.791	ug/l	88
10) Iodomethane	2.718	142	26846	0.735	ug/l	100
11) Allyl Chloride	2.920	41	25257	0.792	ug/l	99
12) Acrylonitrile	3.335	53	6816	1.479	ug/l	98
13) Acetone	2.644	43	31025	3.155	ug/l	100
14) Carbon Disulfide	2.792	76	65460	0.818	ug/l	97
15) Methylene Chloride	3.043	84	25674	0.887	ug/l	93
16) trans-1,2-Dichloroethene	3.351	96	21138	0.813	ug/l	98
17) 1,1-Dichloroethane	3.866	63	39381	0.815	ug/l	98
18) 2-Butanone	4.724	43	30682	2.896	ug/l	95
19) Cyclohexane	5.383	56	30482m	0.739	ug/l	
20) Methylcyclohexane	6.759	83	31774	0.742	ug/l	97
21) 2,2-Dichloropropane	4.660	77	32504	0.798	ug/l	99
22) cis-1,2-Dichloroethene	4.666	96	21708	0.783	ug/l	94
23) Diethyl Ether	2.374	59	12955	0.884	ug/l	95
24) tert-Butyl Alcohol	3.223	59	12918m	8.590	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	40735	0.772	ug/l	98
26) Bromochloromethane	4.978	128	10361	0.882	ug/l	91
27) Chloroform	5.084	83	40571	0.818	ug/l	96
28) 1,1,1-Trichloroethane	5.313	97	35848	0.806	ug/l	96
29) 1,1-Dichloropropene	5.525	75	26292	0.747	ug/l	98
30) Carbon Tetrachloride	5.522	117	31029	0.799	ug/l	97
31) Isopropyl Ether	3.985	45	51888	0.799	ug/l	96
32) Ethyl-t-butyl ether	4.496	59	46957	0.749	ug/l	94
33) Tert-Amyl methyl ether	5.940	73	39328	0.732	ug/l	97
34) Propionitrile	4.821	54	6865m	4.096	ug/l	
35) Benzene	5.769	78	84892	0.796	ug/l	97
36) 1,2-Dichloroethane	5.795	62	23100	0.797	ug/l	98
37) Trichloroethene	6.541	130	22552	0.813	ug/l	96
38) 1,2-Dichloropropane	6.788	63	23222	0.834	ug/l	99
39) Methacrylonitrile	4.997	41	4598	0.736	ug/l #	81
40) Methyl acrylate	4.872	55	7226	0.718	ug/l #	88
41) Tetrahydrofuran	5.078	42	5101	1.441	ug/l	97
42) 1-Chlorobutane	5.457	56	35407	0.754	ug/l	98
43) Dibromomethane	6.917	93	10677	0.806	ug/l	99
44) Bromodichloromethane	7.103	83	26987	0.771	ug/l	96

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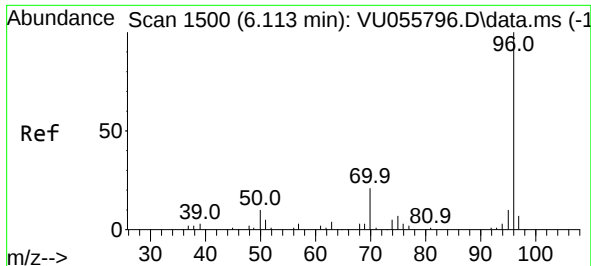
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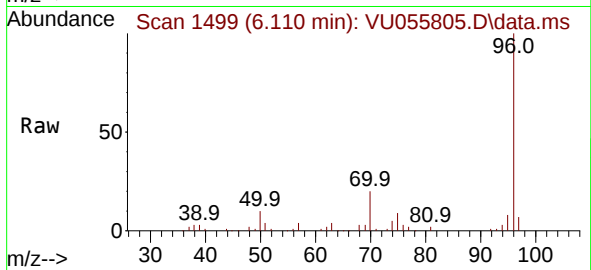
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.792	43	50857	3.714	ug/l	99
46) t-1,4-Dichloro-2-butene	10.836	75	5326m	0.978	ug/l	
47) Methyl methacrylate	6.965	69	15998	1.465	ug/l	97
48) Ethyl methacrylate	8.335	69	15463	0.746	ug/l	99
49) Toluene	7.968	92	49331	0.781	ug/l	98
50) t-1,3-Dichloropropene	8.213	75	23740	0.767	ug/l	96
51) cis-1,3-Dichloropropene	7.608	75	28368	0.749	ug/l	99
52) 1,1,2-Trichloroethane	8.396	97	15312	0.810	ug/l	98
53) 1,3-Dichloropropane	8.573	76	26312	0.814	ug/l	98
54) 2-Hexanone	8.689	43	42372	2.762	ug/l	98
55) Dibromochloromethane	8.808	129	17436	0.764	ug/l	97
56) 1,2-Dibromoethane	8.923	107	14012	0.811	ug/l	97
58) Tetrachloroethene	8.550	164	24597	0.852	ug/l	98
59) Chlorobenzene	9.447	112	54239	0.778	ug/l	97
60) 1,1,1,2-Tetrachloroethane	9.531	131	19805	0.797	ug/l	97
61) Pentachloroethane	11.422	117	13233	0.787	ug/l	98
62) Hexachloroethane	12.470	117	13112	0.736	ug/l	93
63) Ethyl Benzene	9.570	91	88727	0.750	ug/l	100
64) m/p-Xylenes	9.692	106	67642	1.487	ug/l	99
65) o-Xylene	10.100	106	32617	0.731	ug/l	92
66) Styrene	10.113	104	50621	0.725	ug/l	97
67) Bromoform	10.287	173	8871	0.724	ug/l	100
69) Isopropylbenzene	10.483	105	82799	0.721	ug/l	98
70) 1,1,2,2-Tetrachloroethane	10.779	83	18169	0.822	ug/l	99
71) 1,2,3-Trichloropropane	10.824	75	20323	1.109	ug/l #	50
72) Bromobenzene	10.782	156	22010	0.803	ug/l	87
73) n-propylbenzene	10.904	120	20258	0.684	ug/l	96
74) 2-Chlorotoluene	10.984	126	20052	0.728	ug/l	86
75) 1,3,5-Trimethylbenzene	11.084	105	69147	0.704	ug/l	99
76) 4-Chlorotoluene	11.097	126	20708	0.738	ug/l	98
77) tert-Butylbenzene	11.415	119	62684	0.696	ug/l	98
78) 1,2,4-Trimethylbenzene	11.467	105	66709	0.686	ug/l	99
79) sec-Butylbenzene	11.640	105	74291	0.654	ug/l	98
80) Nitrobenzene	13.229	77	2323m	3.971	ug/l	
81) p-Isopropyltoluene	11.791	119	60190	0.658	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	45949	0.821	ug/l	96
83) 1,4-Dichlorobenzene	11.836	146	41657	0.769	ug/l	96
84) n-Butylbenzene	12.206	91	54400	0.697	ug/l	99
85) 1,2-Dichlorobenzene	12.209	146	39471	0.772	ug/l	95
86) 1,2-Dibromo-3-Chloropr...	12.997	75	2764	0.875	ug/l #	83
87) 1,2,4-Trichlorobenzene	13.840	180	20629	0.743	ug/l	96
88) Hexachlorobutadiene	14.016	225	13926	0.722	ug/l	98
89) Naphthalene	14.090	128	32070	0.795	ug/l	99
90) 1,2,3-Trichlorobenzene	14.331	180	18062	0.758	ug/l	96

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



#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.110 min Scan# 1499
Delta R.T. -0.003 min
Lab File: VU055805.D
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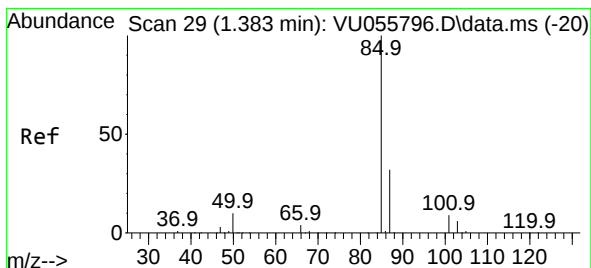
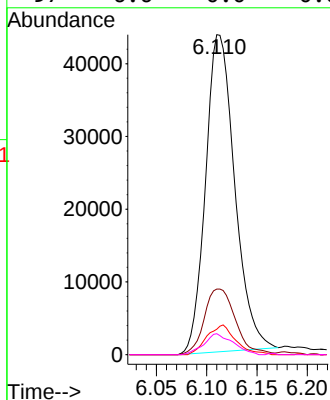
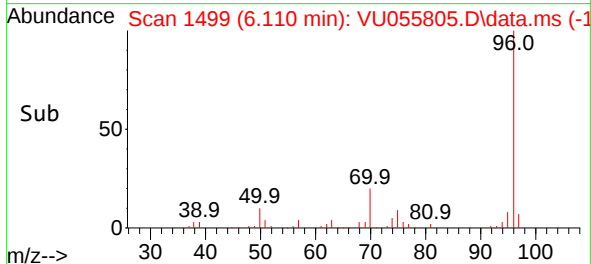
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 96 Resp: 87935
Ion Ratio Lower Upper
96 100
70 21.4 16.5 24.7
95 9.2 7.4 11.0
97 6.6 0.0 0.0#

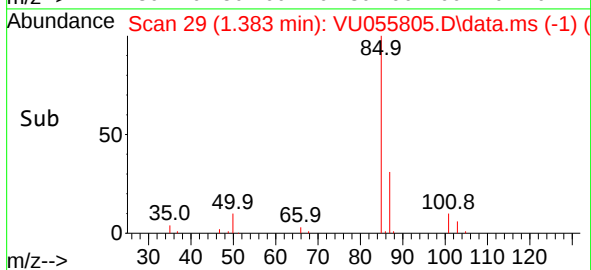
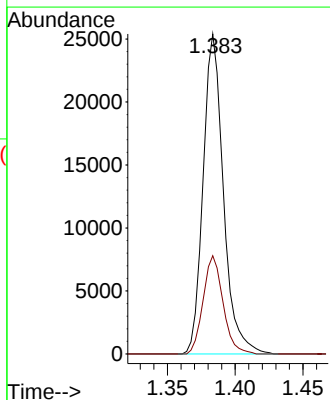
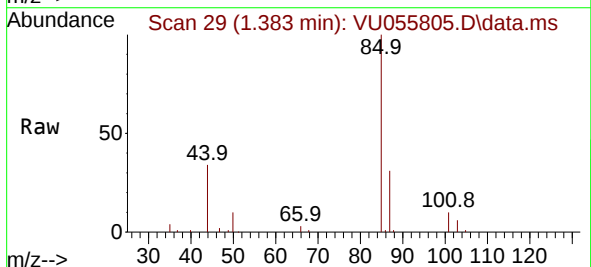
Manual Integrations
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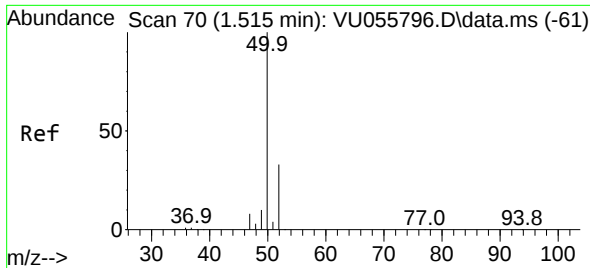
Reviewed By :John Carlone 10/19/2023
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#2
Dichlorodifluoromethane
Concen: 0.774 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

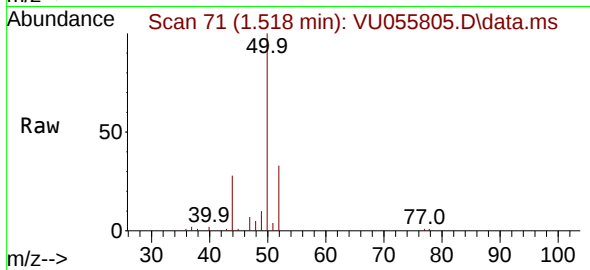
Tgt Ion: 85 Resp: 26423
Ion Ratio Lower Upper
85 100
87 30.7 16.2 48.6





#3
Chloromethane
Concen: 0.809 ug/l
RT: 1.518 min Scan# 70
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

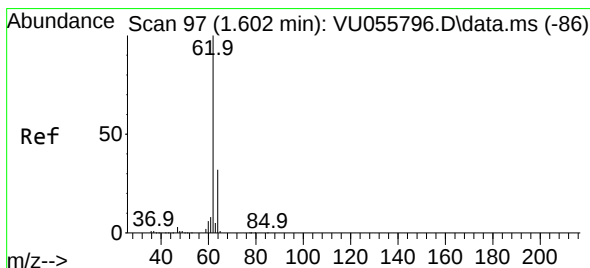
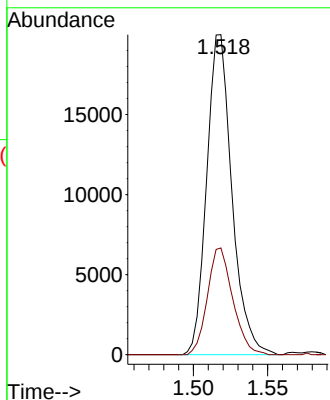
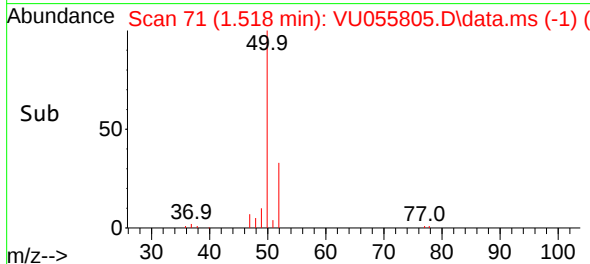
Instrument :
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LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 50 Resp: 23610
Ion Ratio Lower Upper
50 100
52 33.4 26.6 40.0

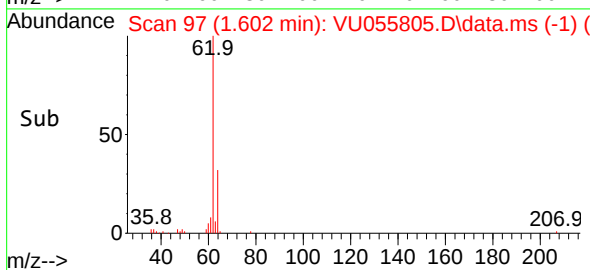
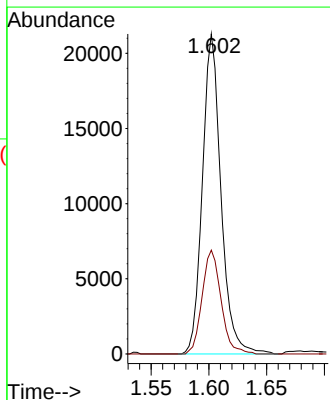
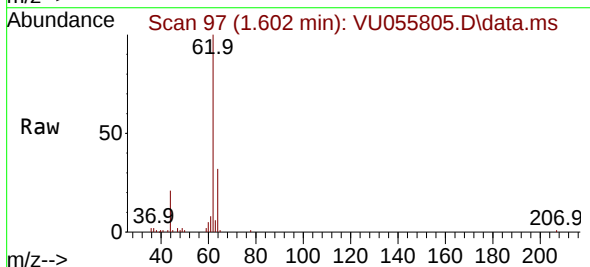
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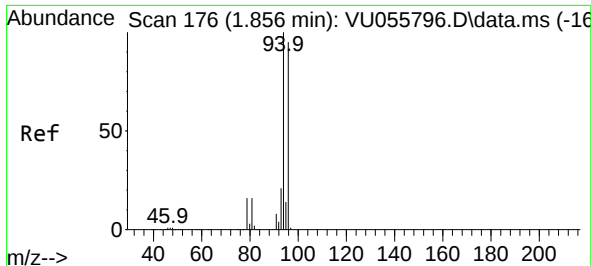
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#4
Vinyl Chloride
Concen: 0.797 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion: 62 Resp: 23845
Ion Ratio Lower Upper
62 100
64 32.4 25.4 38.2





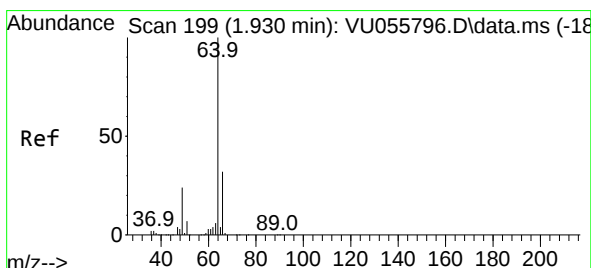
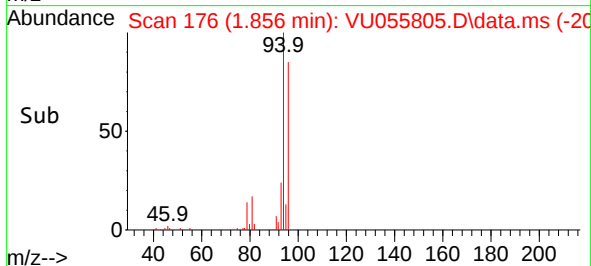
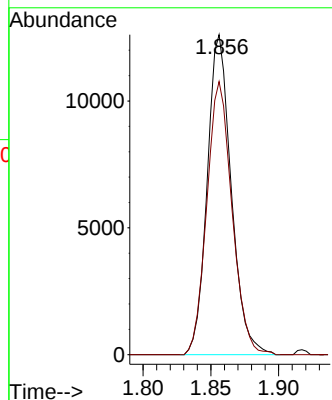
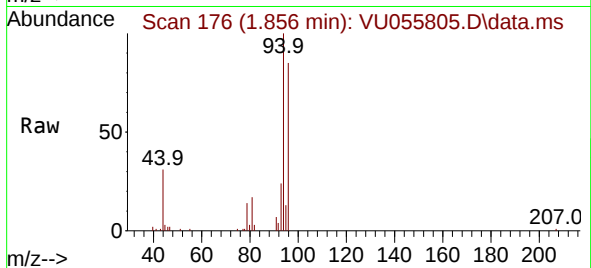
#5
Bromomethane
Concen: 0.944 ug/l
RT: 1.856 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion: 94 Resp: 1554
Ion Ratio Lower Upper
94 100
96 85.4 75.4 113.2

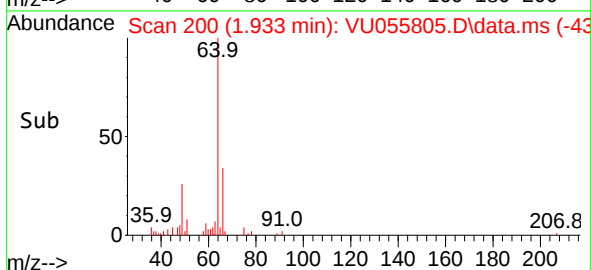
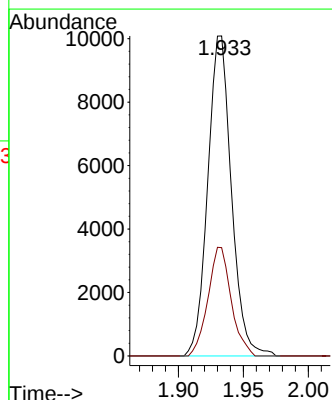
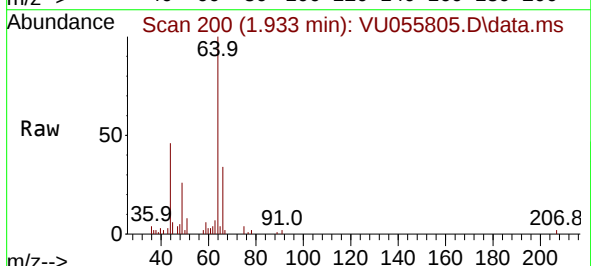
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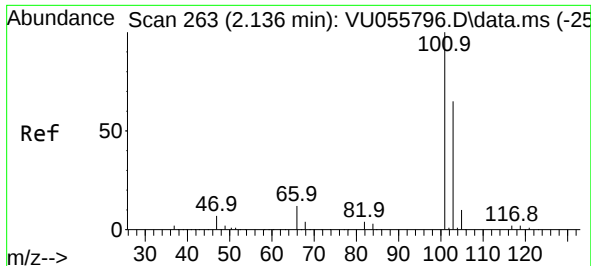
Reviewed By :John Carlone 10/19/2023
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#6
Chloroethane
Concen: 0.881 ug/l
RT: 1.933 min Scan# 200
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

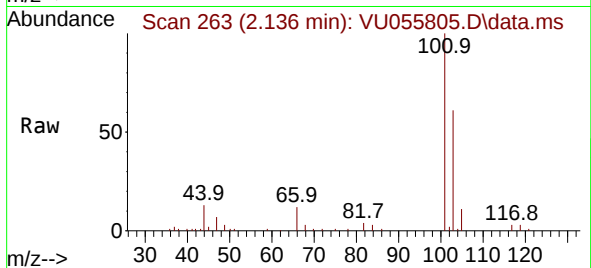
Tgt Ion: 64 Resp: 12770
Ion Ratio Lower Upper
64 100
66 33.8 26.0 39.0





#7
 Trichlorofluoromethane
 Concen: 0.809 ug/l
 RT: 2.136 min Scan# 2190
 Delta R.T. -0.000 min
 Lab File: VU055805.D
 Acq: 18 Oct 2023 17:55

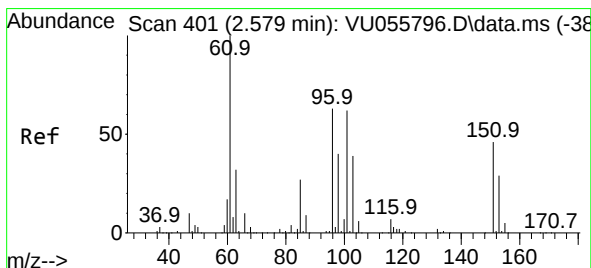
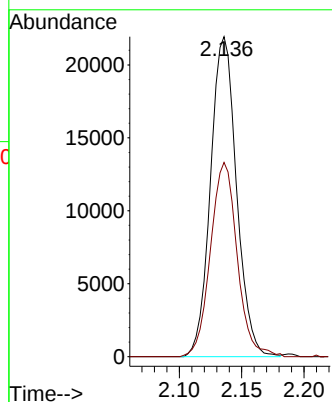
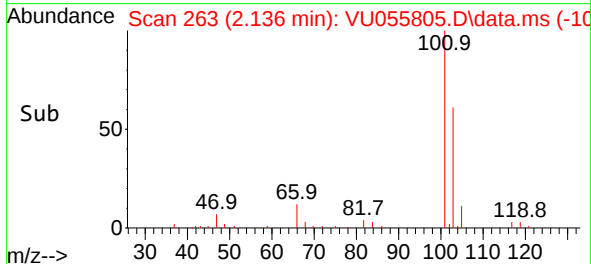
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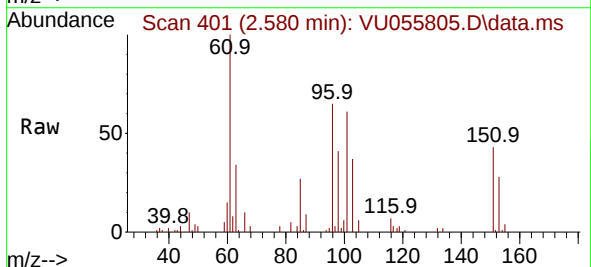
Tgt Ion:101 Resp: 3190
 Ion Ratio Lower Upper
 101 100
 103 60.7 51.4 77.0

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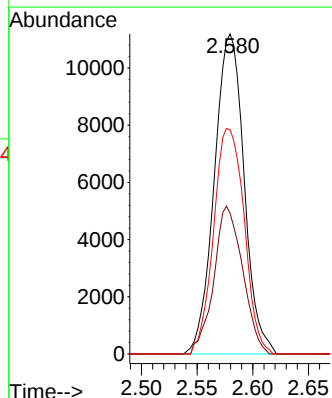
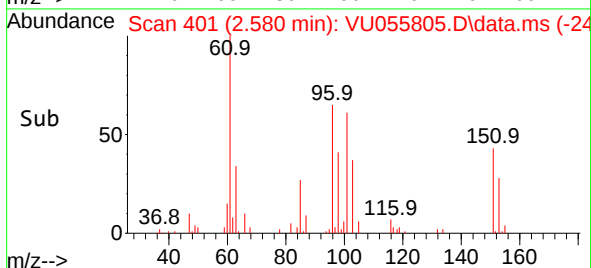
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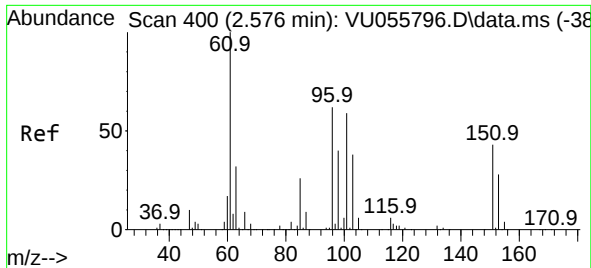


#8
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 0.792 ug/l
 RT: 2.580 min Scan# 401
 Delta R.T. 0.001 min
 Lab File: VU055805.D
 Acq: 18 Oct 2023 17:55



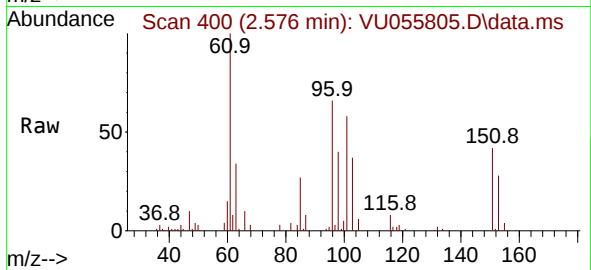
Tgt Ion:101 Resp: 20837
 Ion Ratio Lower Upper
 101 100
 85 44.6 35.4 53.0
 151 72.2 54.0 81.0





#9
1,1-Dichloroethene
Concen: 0.791 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

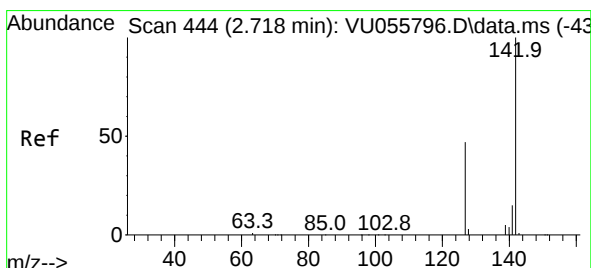
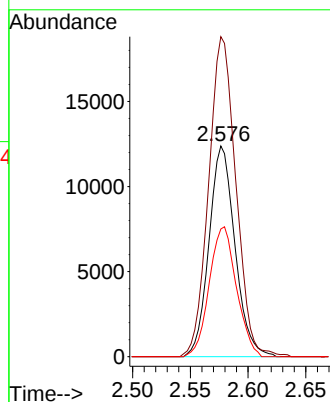
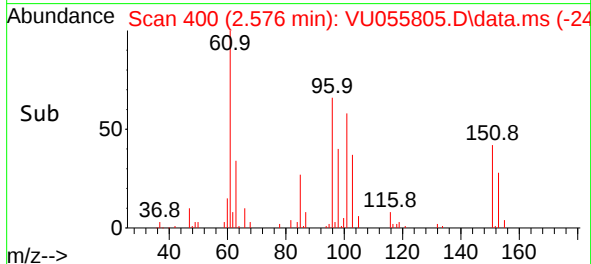
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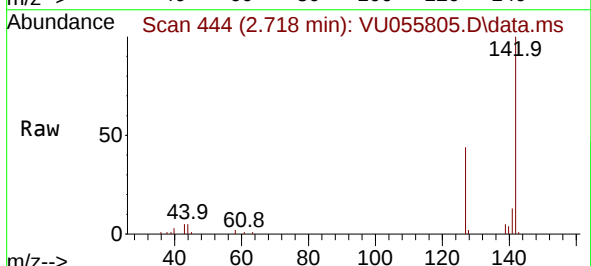
Tgt Ion: 96 Resp: 1940
Ion Ratio Lower Upper
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61 151.8 0.0 521.4
98 60.6 0.0 125.8

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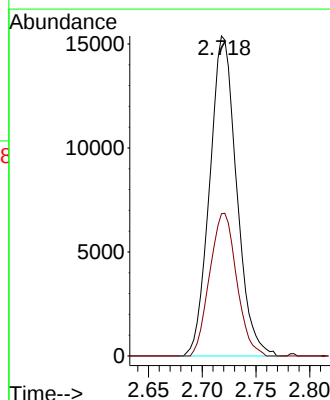
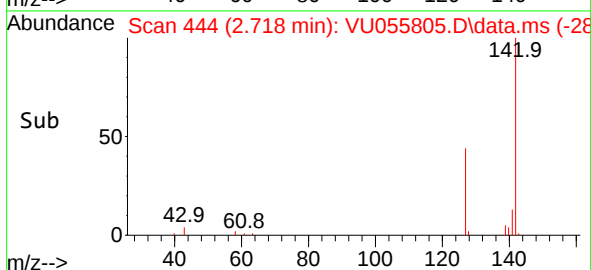
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

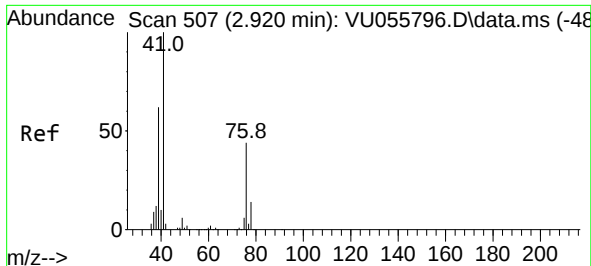


#10
Iodomethane
Concen: 0.735 ug/l
RT: 2.718 min Scan# 444
Delta R.T. -0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55



Tgt Ion:142 Resp: 26846
Ion Ratio Lower Upper
142 100
127 44.6 35.9 53.9





#11

Allyl Chloride

Concen: 0.792 ug/l

RT: 2.920 min Scan# 507

Delta R.T. 0.000 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 41 Resp: 2525

Ion Ratio Lower Upper

41 100

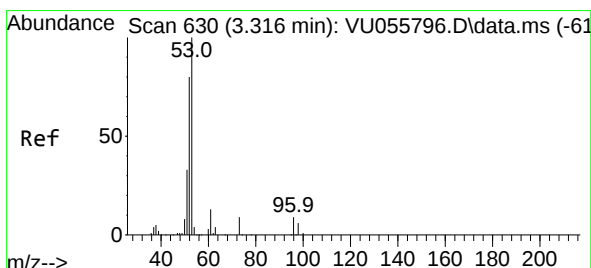
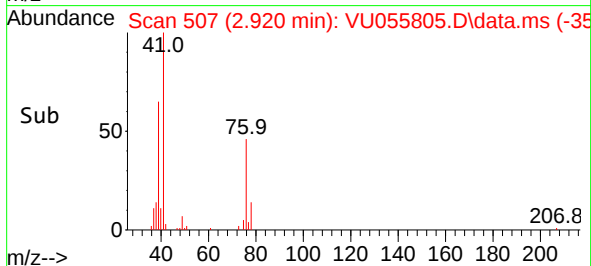
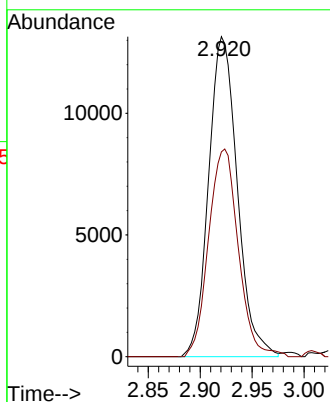
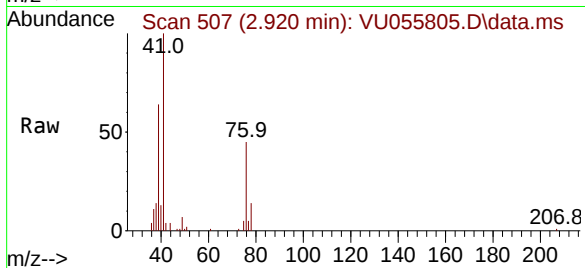
39 67.2 54.2 81.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#12

Acrylonitrile

Concen: 1.479 ug/l

RT: 3.335 min Scan# 636

Delta R.T. 0.019 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

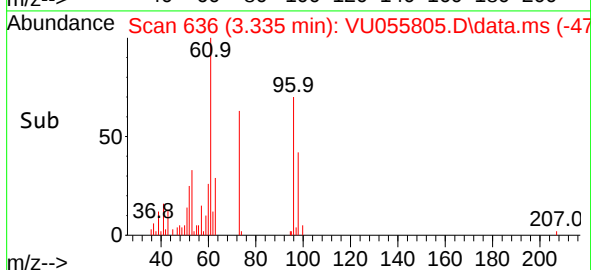
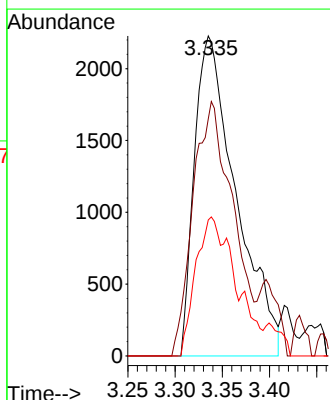
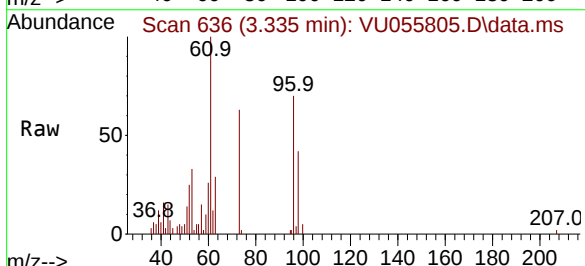
Tgt Ion: 53 Resp: 6816

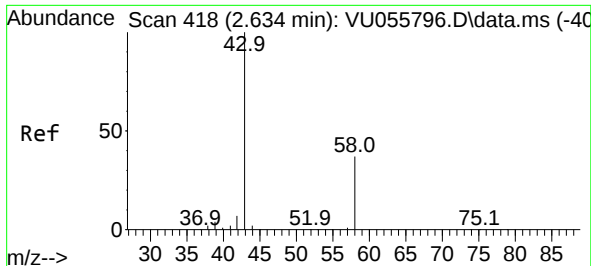
Ion Ratio Lower Upper

53 100

52 76.1 62.9 94.3

51 35.5 27.8 41.6





#13

Acetone

Concen: 3.155 ug/l

RT: 2.644 min Scan# 418

Delta R.T. 0.010 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 43 Resp: 3102

Ion Ratio Lower Upper

43 100

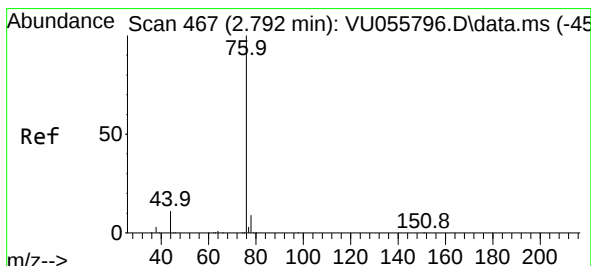
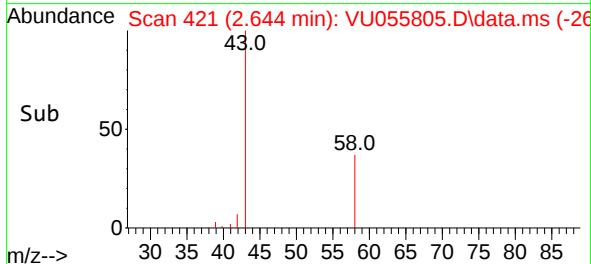
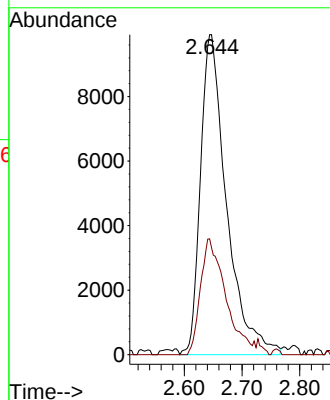
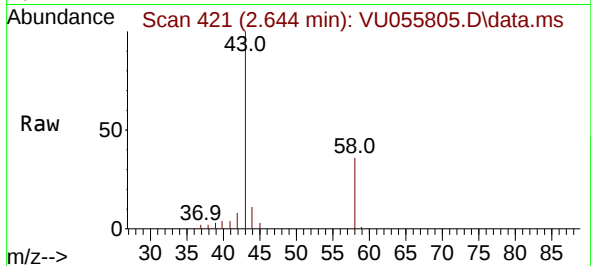
58 36.2 29.0 43.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#14

Carbon Disulfide

Concen: 0.818 ug/l

RT: 2.792 min Scan# 467

Delta R.T. -0.000 min

Lab File: VU055805.D

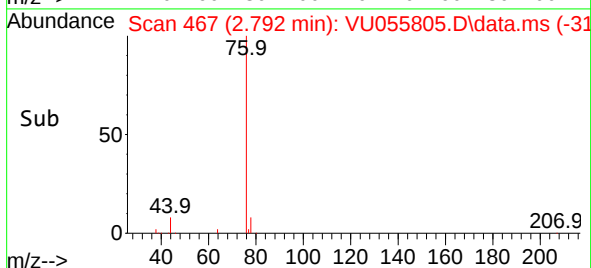
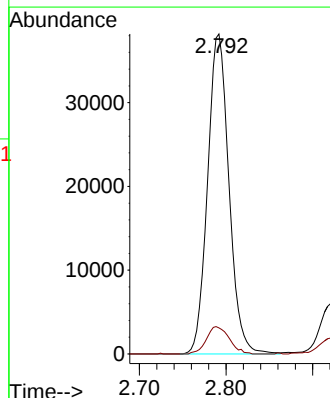
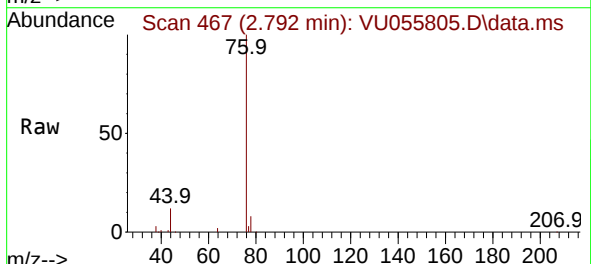
Acq: 18 Oct 2023 17:55

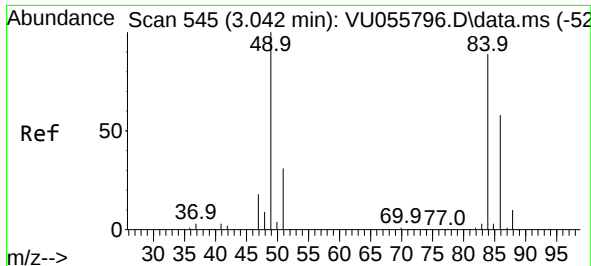
Tgt Ion: 76 Resp: 65460

Ion Ratio Lower Upper

76 100

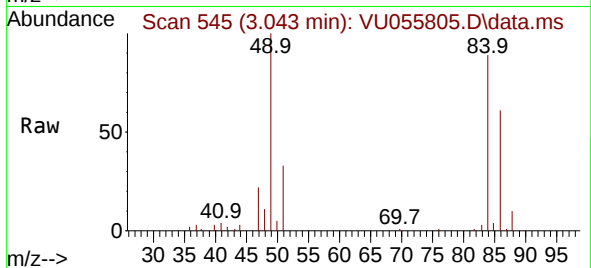
78 8.1 7.4 11.0





#15
Methylene Chloride
Concen: 0.887 ug/l
RT: 3.043 min Scan# 545
Delta R.T. 0.001 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

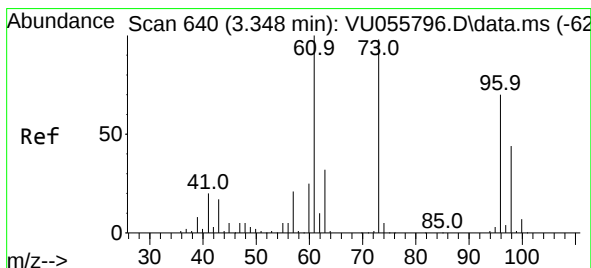
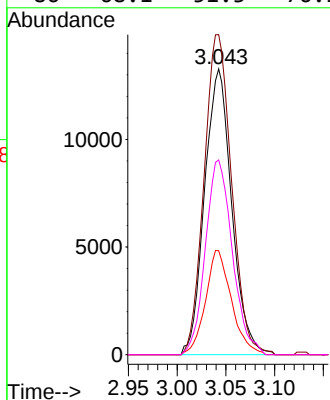
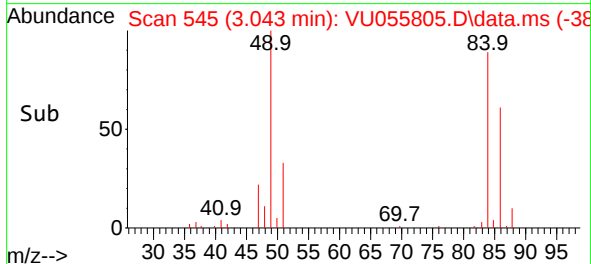
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 84 Resp: 25674
Ion Ratio Lower Upper
84 100
49 112.0 98.9 148.3
51 36.4 0.0 75.4
86 68.1 51.3 76.9

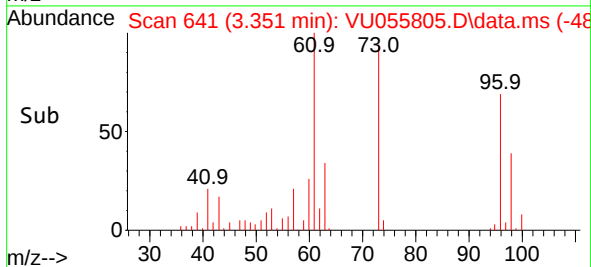
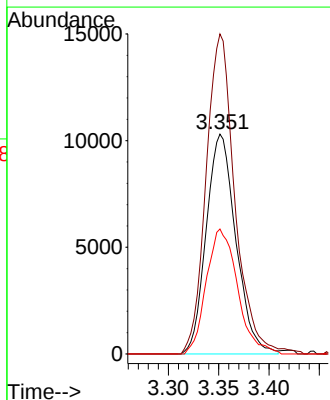
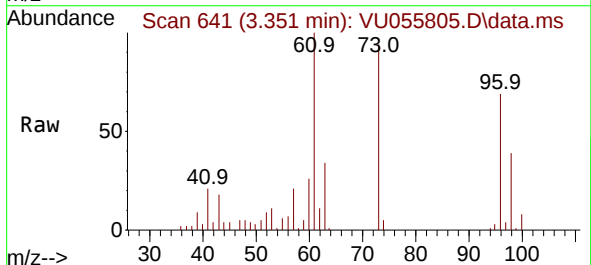
Manual Integrations
APPROVED

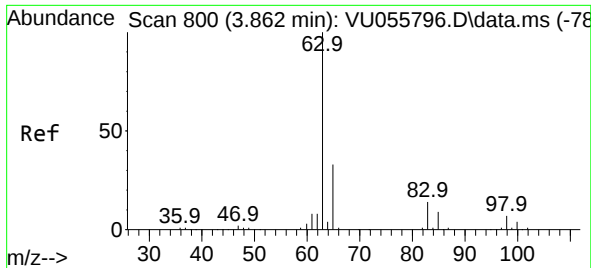
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#16
trans-1,2-Dichloroethene
Concen: 0.813 ug/l
RT: 3.351 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion: 96 Resp: 21138
Ion Ratio Lower Upper
96 100
61 145.6 117.5 176.3
98 56.9 48.3 72.5





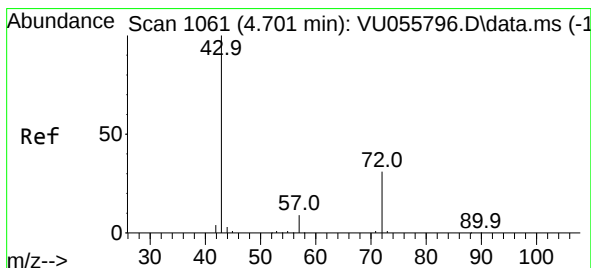
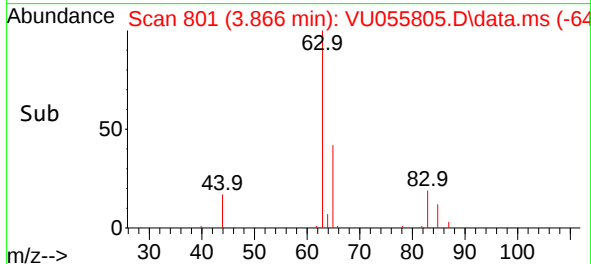
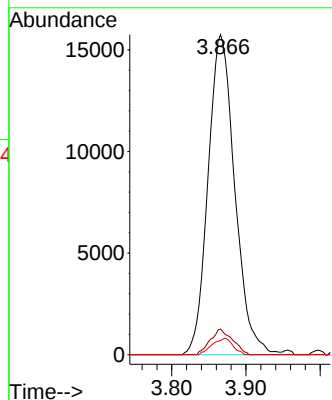
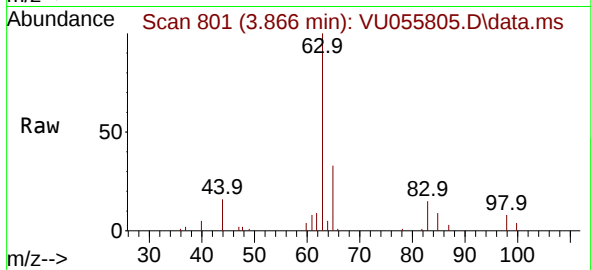
#17
 1,1-Dichloroethane
 Concen: 0.815 ug/l
 RT: 3.866 min Scan# 800
 Delta R.T. 0.004 min
 Lab File: VU055805.D
 Acq: 18 Oct 2023 17:55

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

Tgt Ion: 63 Resp: 3938
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.4 10.1
 100 4.4 2.2 6.6

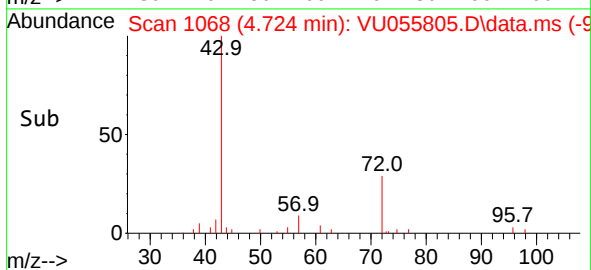
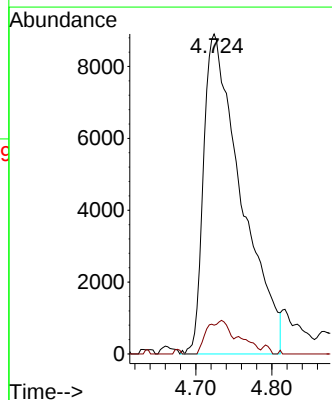
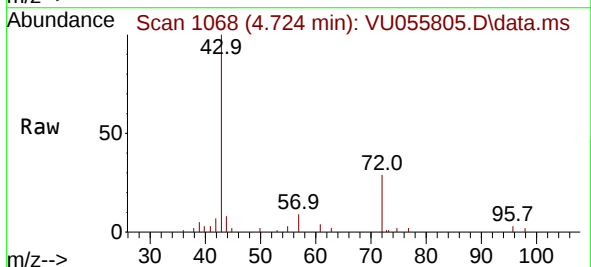
Manual Integrations
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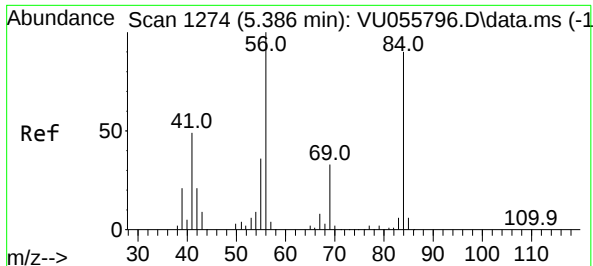
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023



#18
 2-Butanone
 Concen: 2.896 ug/l
 RT: 4.724 min Scan# 1068
 Delta R.T. 0.023 min
 Lab File: VU055805.D
 Acq: 18 Oct 2023 17:55

Tgt Ion: 43 Resp: 30682
 Ion Ratio Lower Upper
 43 100
 57 7.9 0.0 19.6





#19

Cyclohexane

Concen: 0.739 ug/l m

RT: 5.383 min Scan# 1

Delta R.T. -0.003 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

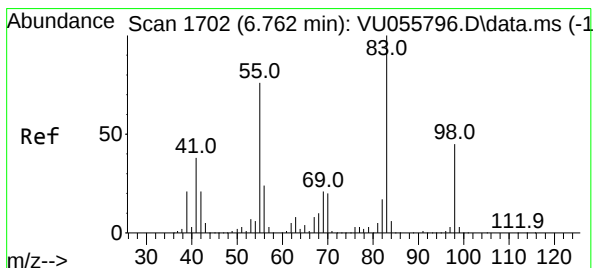
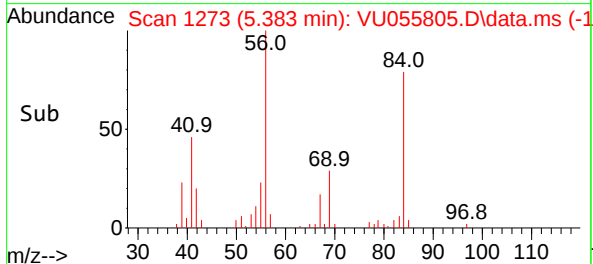
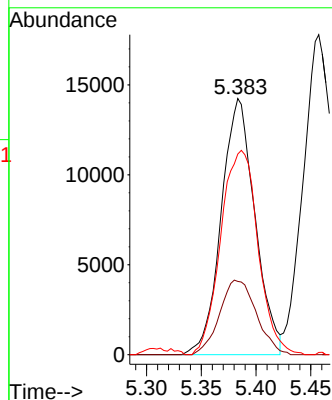
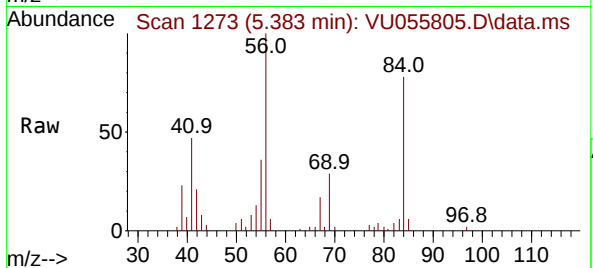
Tgt Ion:	56	Resp:	3048
Ion Ratio	Lower	Upper	
56	100		
69	31.8	24.6	37.0
84	88.2	68.4	102.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#20

Methylcyclohexane

Concen: 0.742 ug/l

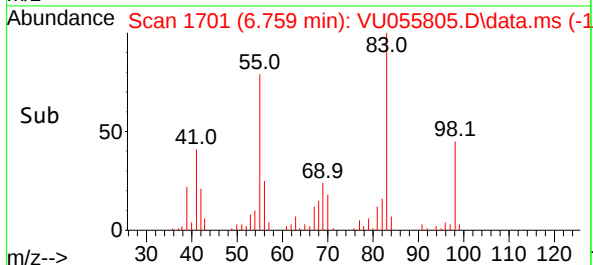
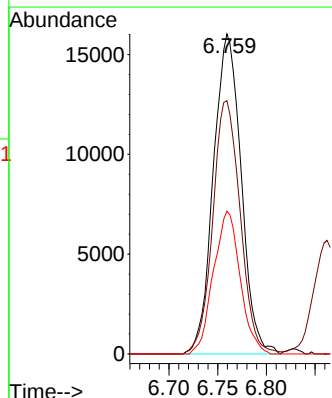
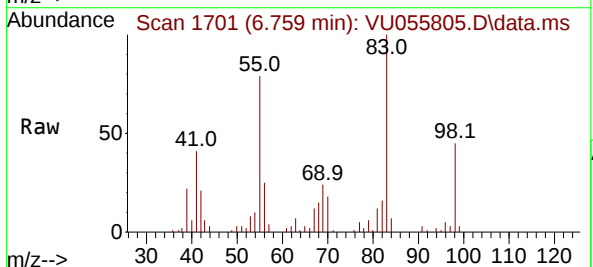
RT: 6.759 min Scan# 1701

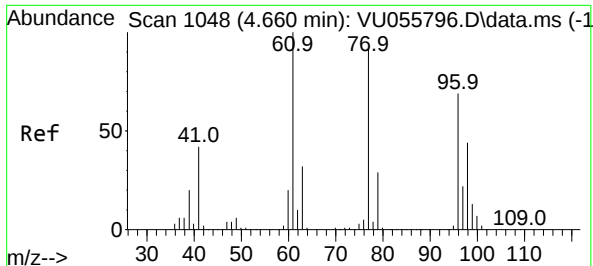
Delta R.T. -0.003 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Tgt Ion:	83	Resp:	31774
Ion Ratio	Lower	Upper	
83	100		
55	77.3	63.5	95.3
98	43.0	36.0	54.0





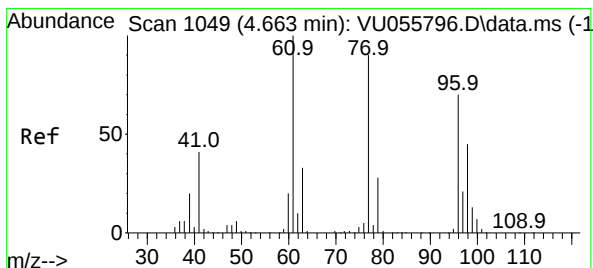
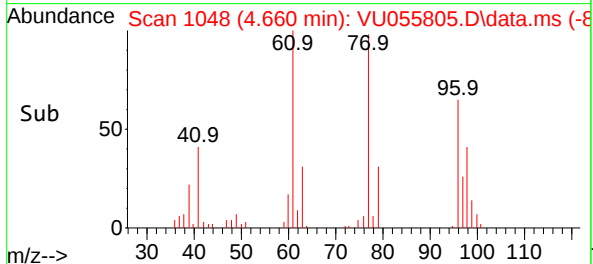
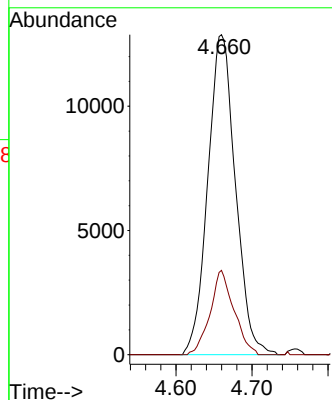
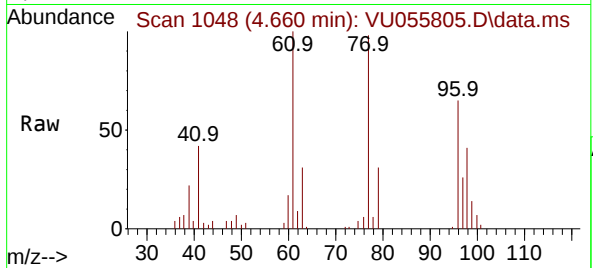
#21
2,2-Dichloropropane
Concen: 0.798 ug/l
RT: 4.660 min Scan# 1048
Delta R.T. -0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion: 77 Resp: 32504
Ion Ratio Lower Upper
77 100
97 22.7 18.4 27.6

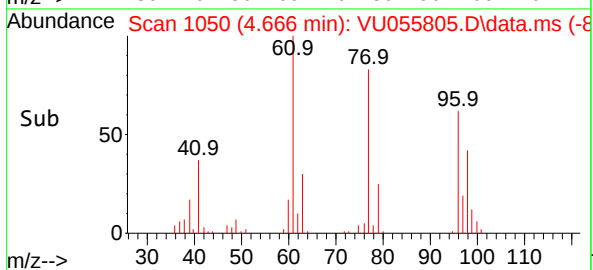
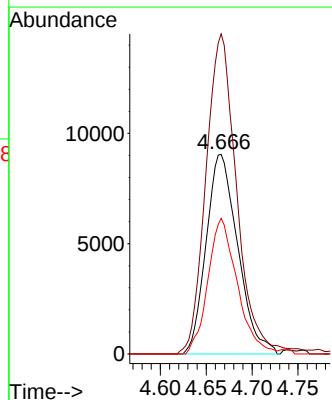
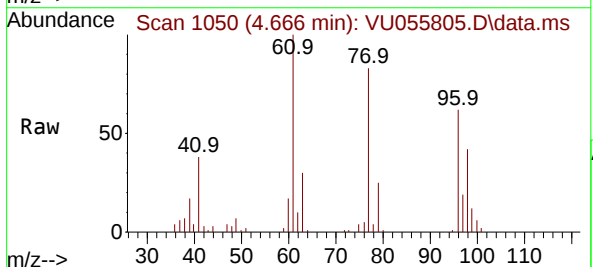
Manual Integrations
APPROVED

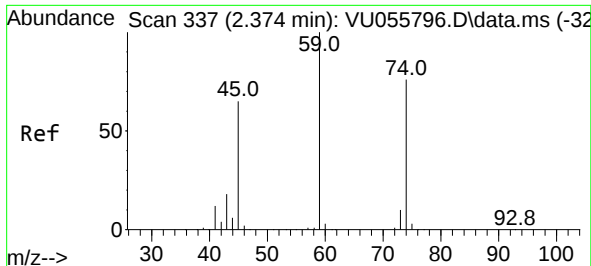
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#22
cis-1,2-Dichloroethene
Concen: 0.783 ug/l
RT: 4.666 min Scan# 1050
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

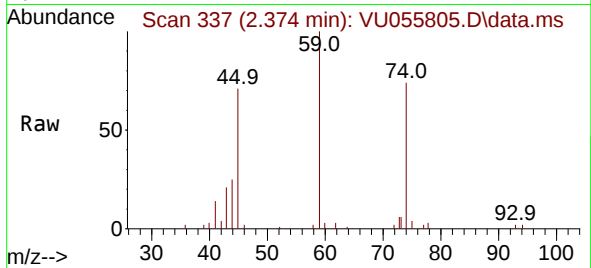
Tgt Ion: 96 Resp: 21708
Ion Ratio Lower Upper
96 100
61 156.3 0.0 365.8
98 62.9 32.0 96.0





#23
Diethyl Ether
Concen: 0.884 ug/l
RT: 2.374 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

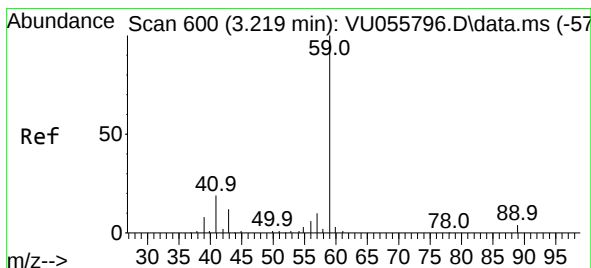
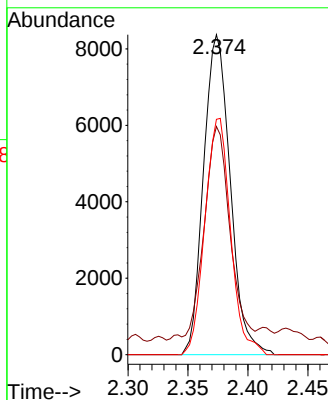
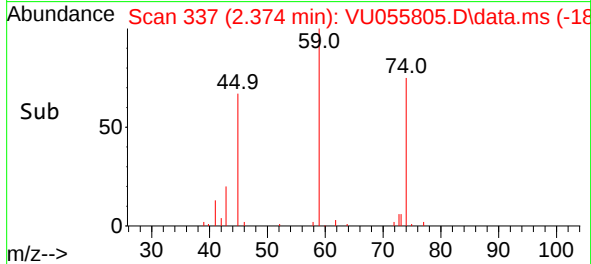
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 59 Resp: 12958
Ion Ratio Lower Upper
59 100
45 63.0 56.1 84.1
74 71.1 57.4 86.2

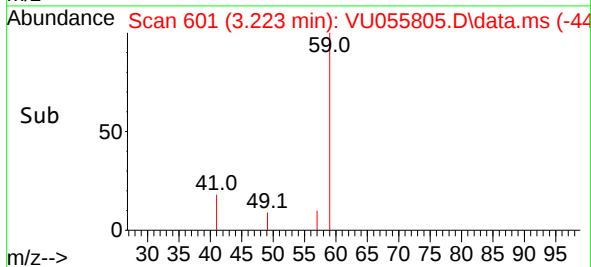
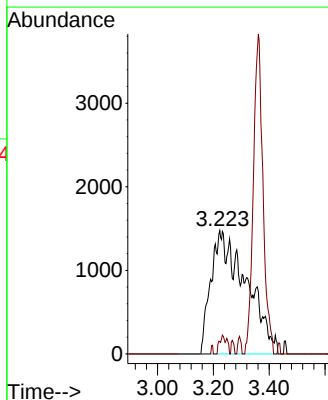
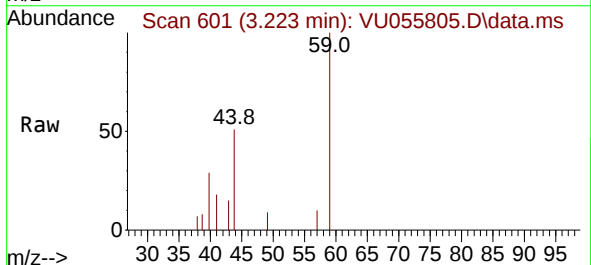
Manual Integrations
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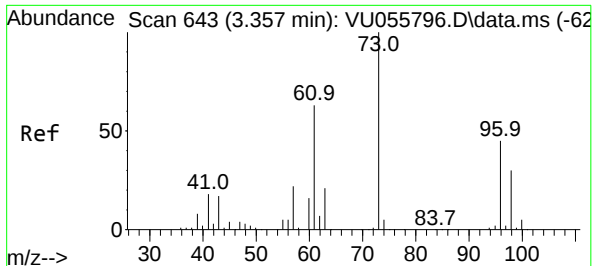
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#24
tert-Butyl Alcohol
Concen: 8.590 ug/l m
RT: 3.223 min Scan# 601
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

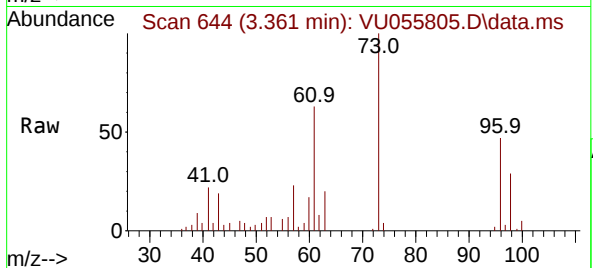
Tgt Ion: 59 Resp: 12918
Ion Ratio Lower Upper
59 100
57 2.2 105.6 158.4#





#25
Methyl tert-Butyl Ether
Concen: 0.772 ug/l
RT: 3.361 min Scan# 644
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

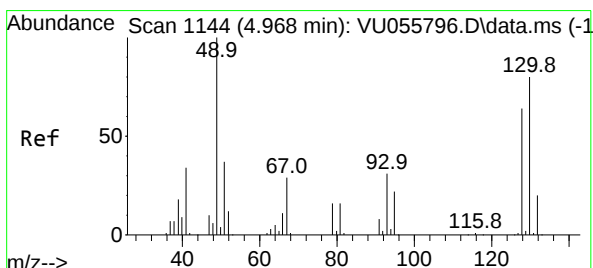
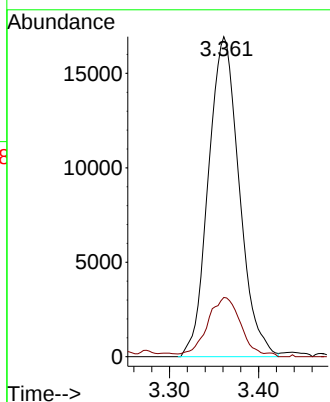
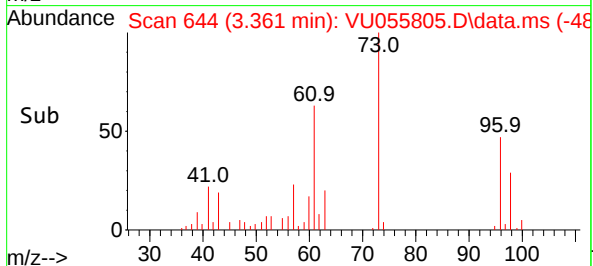
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



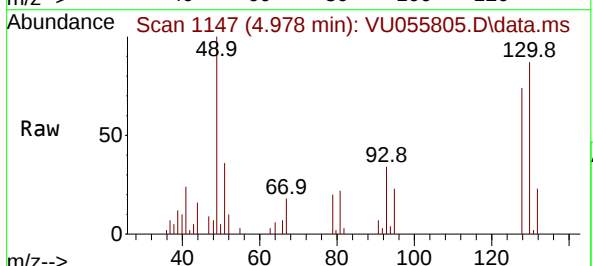
Tgt Ion: 73 Resp: 4073
Ion Ratio Lower Upper
73 100
43 17.8 15.0 22.6

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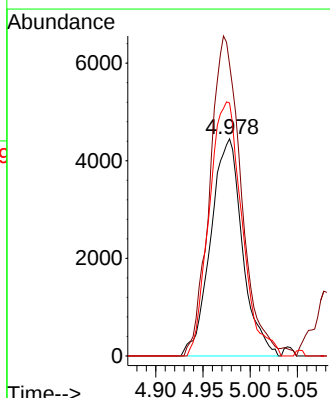
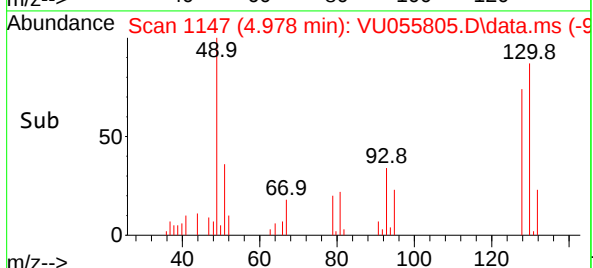
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

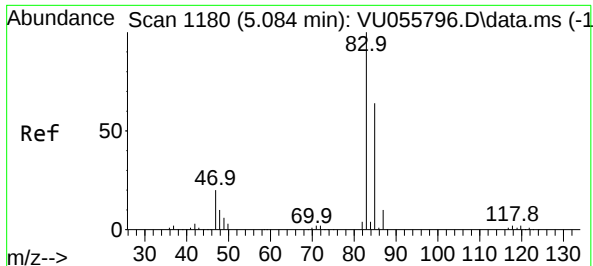


#26
Bromochloromethane
Concen: 0.882 ug/l
RT: 4.978 min Scan# 1147
Delta R.T. 0.010 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55



Tgt Ion:128 Resp: 10361
Ion Ratio Lower Upper
128 100
49 146.5 0.0 324.6
130 121.2 103.0 154.4





#27

Chloroform

Concen: 0.818 ug/l

RT: 5.084 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 83 Resp: 4057

Ion Ratio Lower Upper

83 100

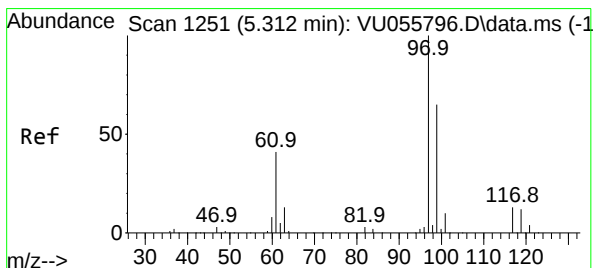
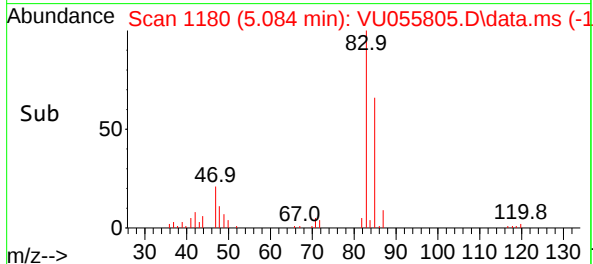
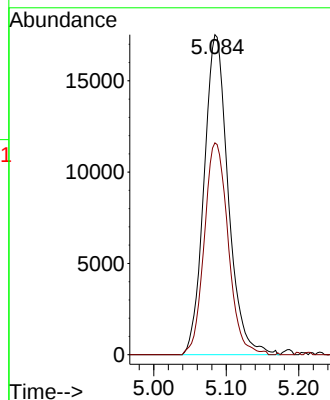
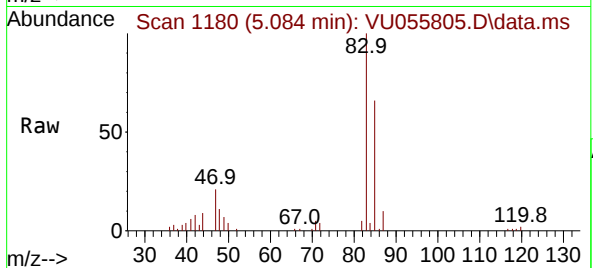
85 66.2 0.0 126.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#28

1,1,1-Trichloroethane

Concen: 0.806 ug/l

RT: 5.313 min Scan# 1251

Delta R.T. 0.001 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

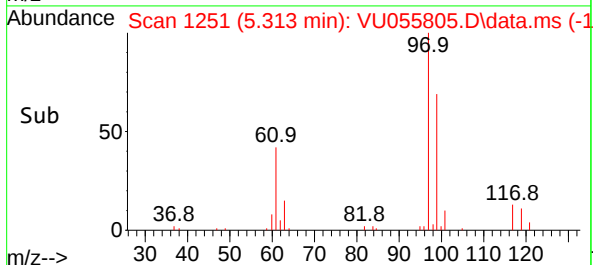
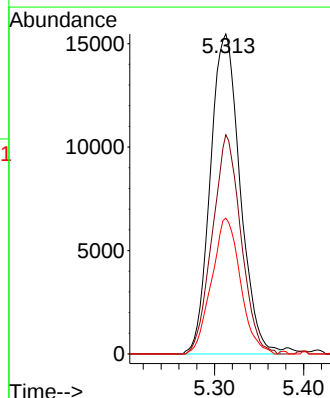
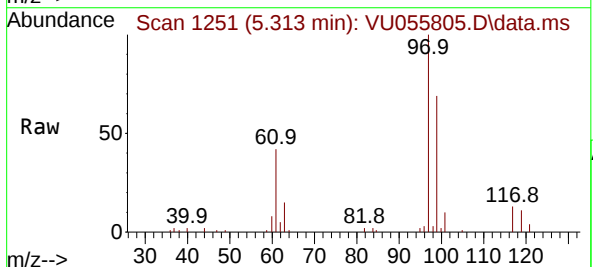
Tgt Ion: 97 Resp: 35848

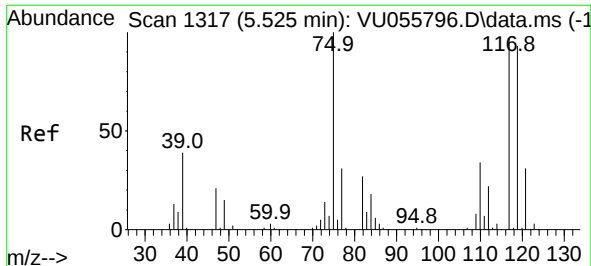
Ion Ratio Lower Upper

97 100

99 66.0 32.0 96.2

61 41.2 22.9 68.5





#29

1,1-Dichloropropene

Concen: 0.747 ug/l

RT: 5.525 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 75 Resp: 2629

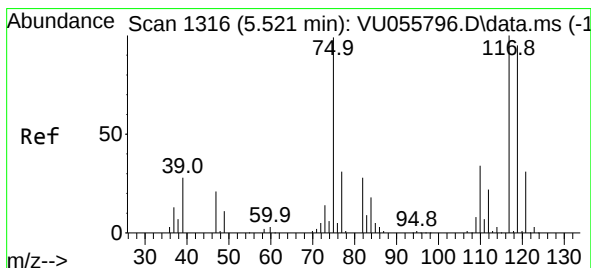
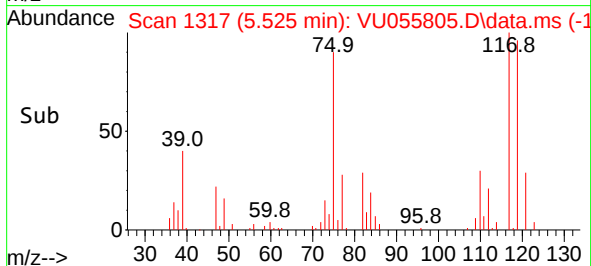
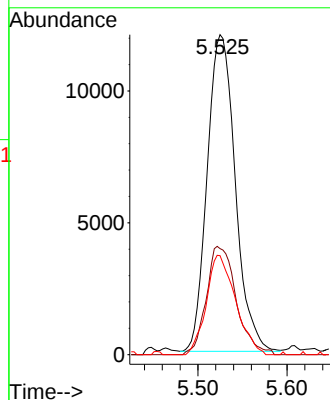
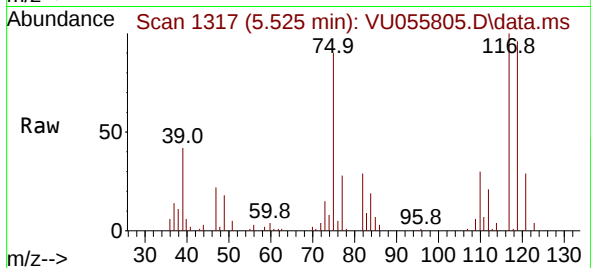
Ion	Ratio	Lower	Upper
75	100		
110	36.4	18.0	54.0
77	32.6	24.7	37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#30

Carbon Tetrachloride

Concen: 0.799 ug/l

RT: 5.522 min Scan# 1316

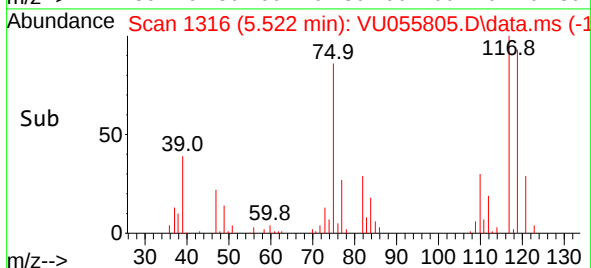
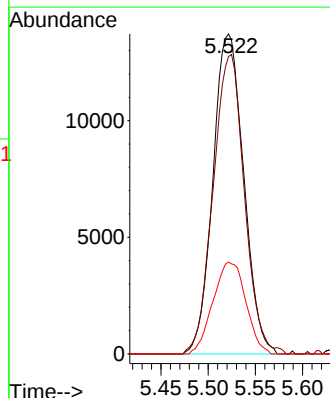
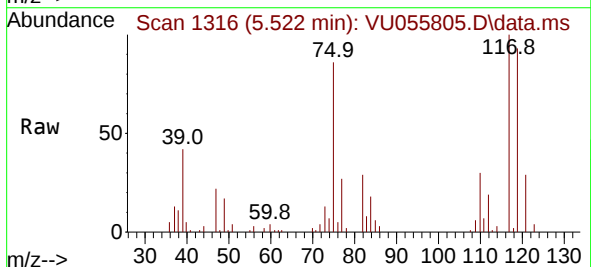
Delta R.T. 0.001 min

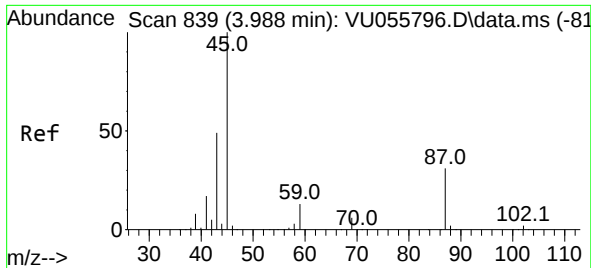
Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Tgt Ion:117 Resp: 31029

Ion	Ratio	Lower	Upper
117	100		
119	92.9	77.4	116.0
121	28.7	24.0	36.0





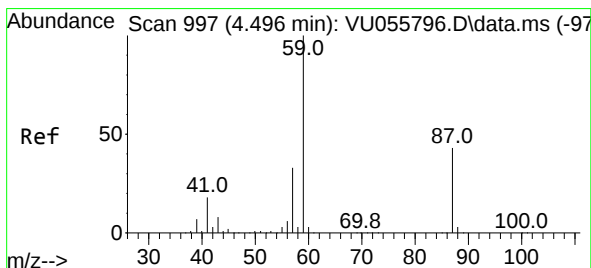
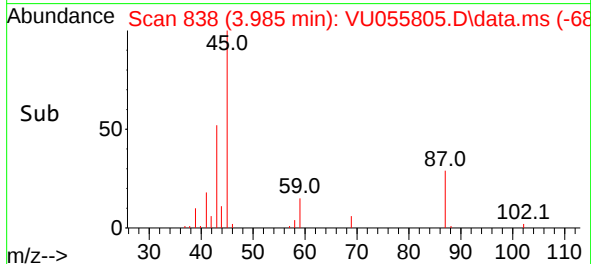
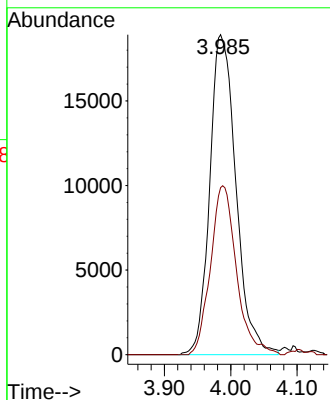
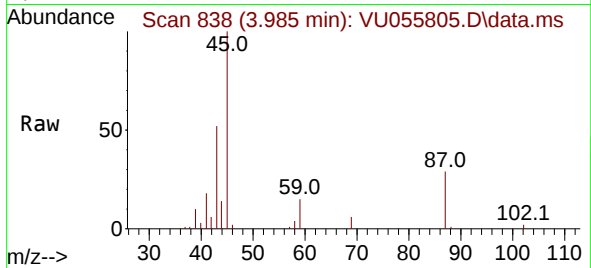
#31
Isopropyl Ether
Concen: 0.799 ug/l
RT: 3.985 min Scan# 839
Delta R.T. -0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion: 45 Resp: 5188
Ion Ratio Lower Upper
45 100
43 52.4 27.5 82.5

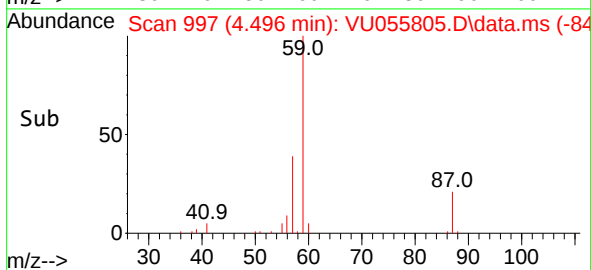
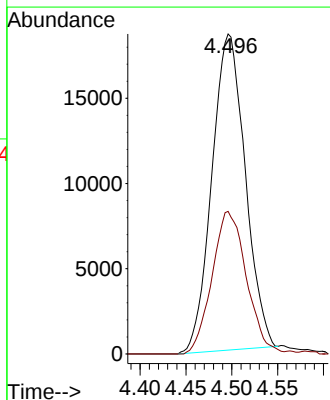
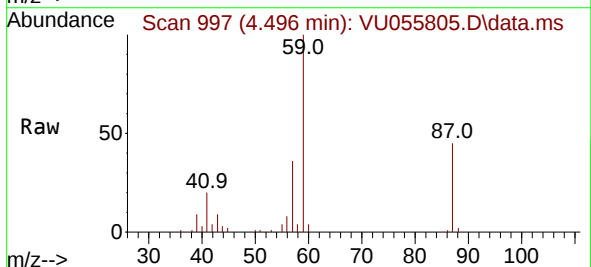
Manual Integrations
APPROVED

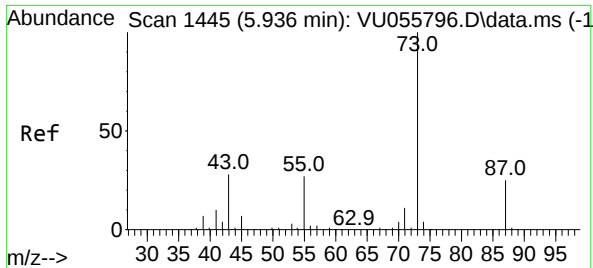
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#32
Ethyl-t-butyl ether
Concen: 0.749 ug/l
RT: 4.496 min Scan# 997
Delta R.T. -0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion: 59 Resp: 46957
Ion Ratio Lower Upper
59 100
87 45.6 33.5 50.3





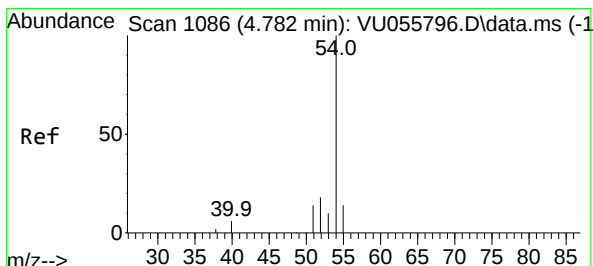
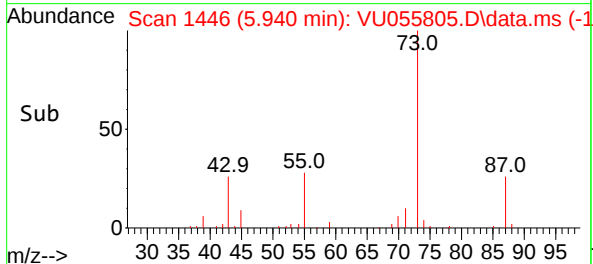
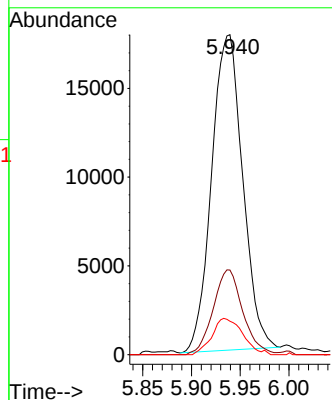
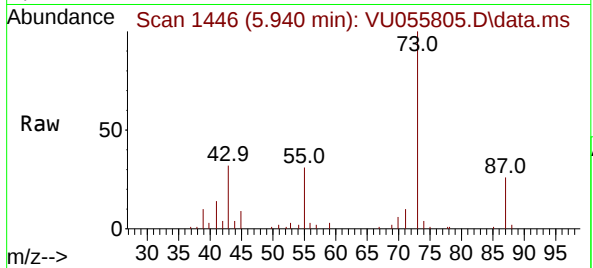
#33
Tert-Amyl methyl ether
Concen: 0.732 ug/l
RT: 5.940 min Scan# 1445
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion: 73 Resp: 39328
Ion Ratio Lower Upper
73 100
87 24.9 18.6 28.0
71 11.4 9.9 14.9

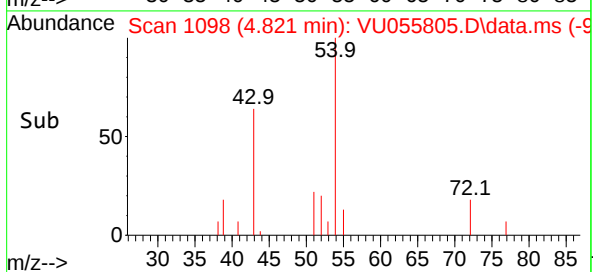
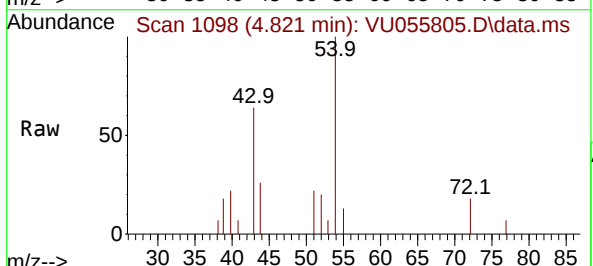
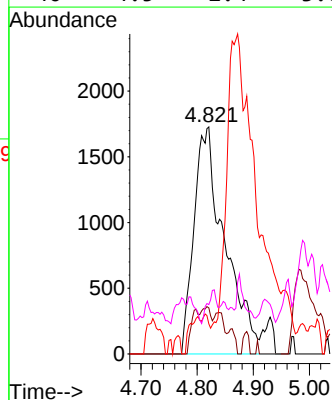
Manual Integrations
APPROVED

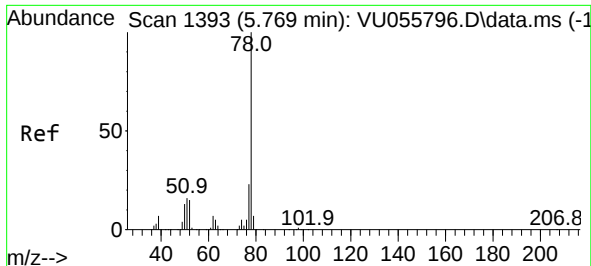
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#34
Propionitrile
Concen: 4.096 ug/l m
RT: 4.821 min Scan# 1098
Delta R.T. 0.039 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

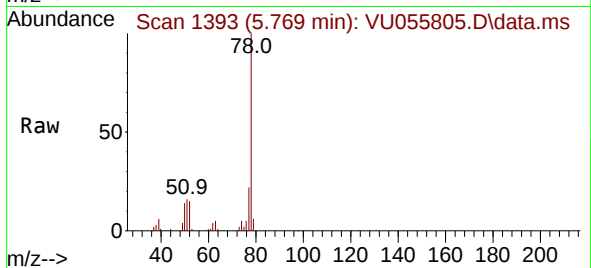
Tgt Ion: 54 Resp: 6865
Ion Ratio Lower Upper
54 100
52 0.0 17.4 26.0#
55 0.0 104.1 156.1#
40 4.5 2.4 3.6#





#35
Benzene
Concen: 0.796 ug/l
RT: 5.769 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

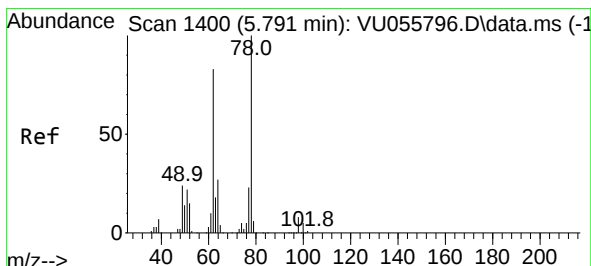
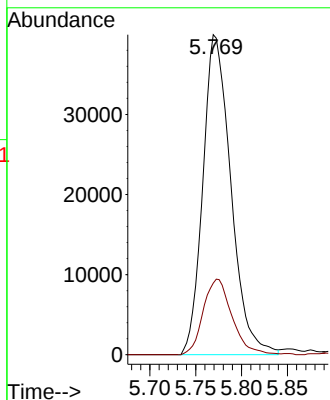
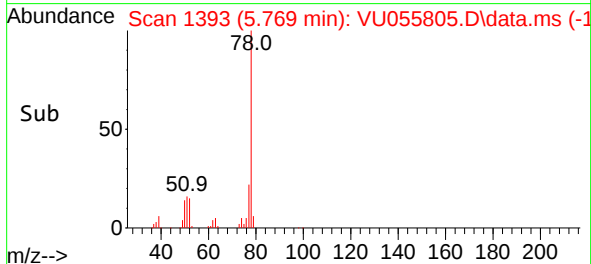
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



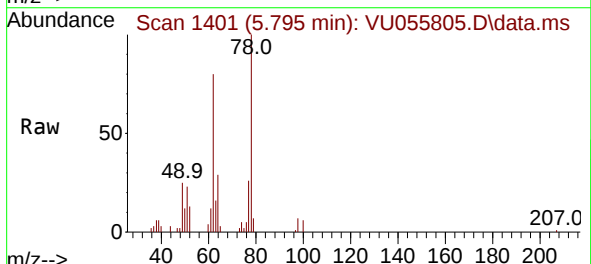
Tgt Ion: 78 Resp: 8489
Ion Ratio Lower Upper
78 100
77 22.1 18.9 28.3

Manual Integrations
APPROVED

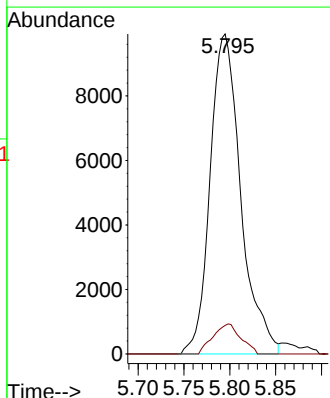
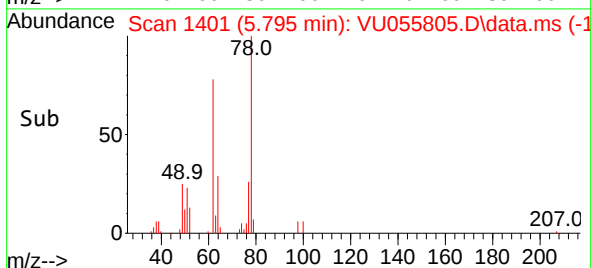
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

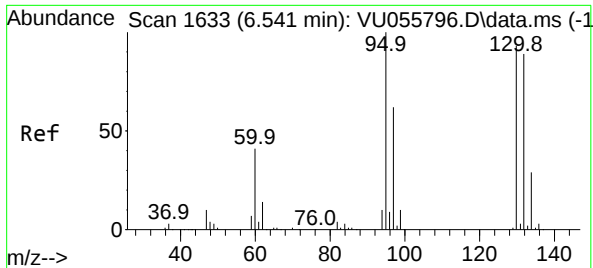


#36
1,2-Dichloroethane
Concen: 0.797 ug/l
RT: 5.795 min Scan# 1401
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55



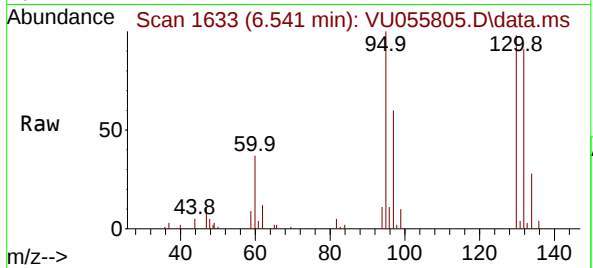
Tgt Ion: 62 Resp: 23100
Ion Ratio Lower Upper
62 100
98 8.5 7.3 10.9





#37
Trichloroethene
Concen: 0.813 ug/l
RT: 6.541 min Scan# 110
Delta R.T. -0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

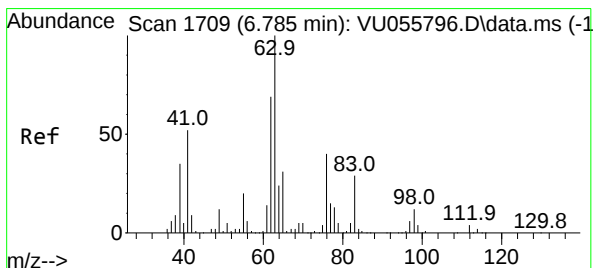
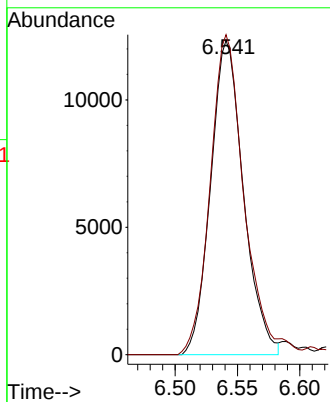
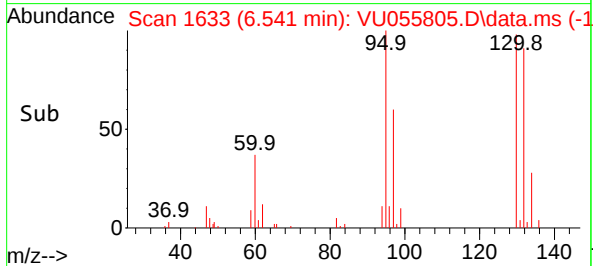
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



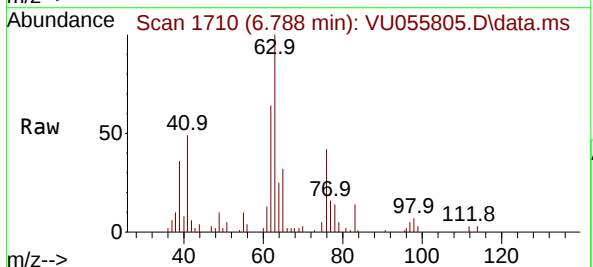
Tgt Ion:130 Resp: 2255
Ion Ratio Lower Upper
130 100
95 101.8 85.0 127.6

Manual Integrations
APPROVED

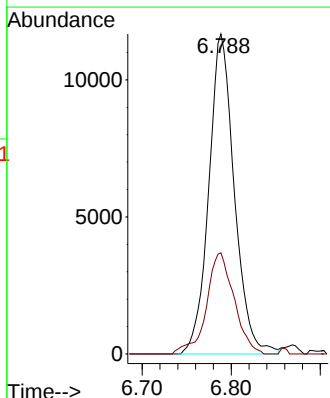
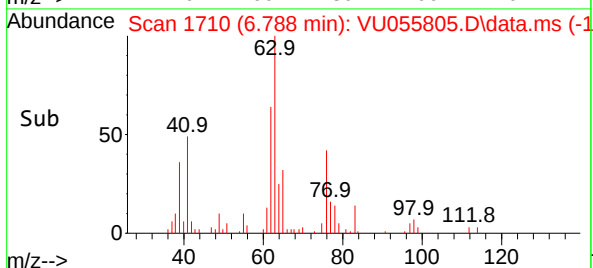
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

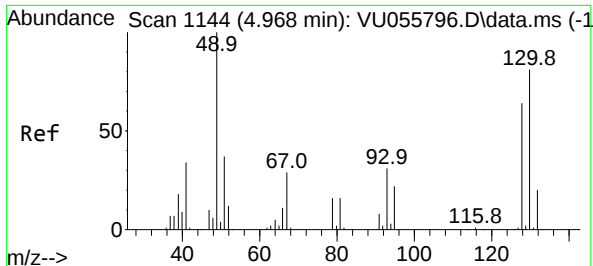


#38
1,2-Dichloropropane
Concen: 0.834 ug/l
RT: 6.788 min Scan# 1710
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55



Tgt Ion: 63 Resp: 23222
Ion Ratio Lower Upper
63 100
65 31.6 24.9 37.3





#39

Methacrylonitrile

Concen: 0.736 ug/l

RT: 4.997 min Scan# 1113

Delta R.T. 0.029 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 41 Resp: 4598

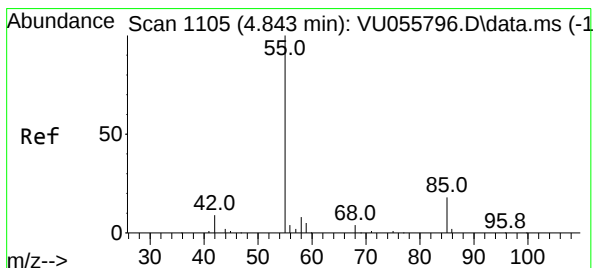
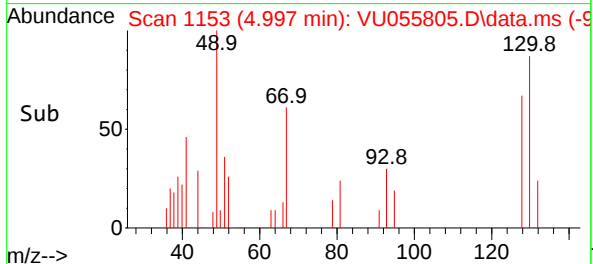
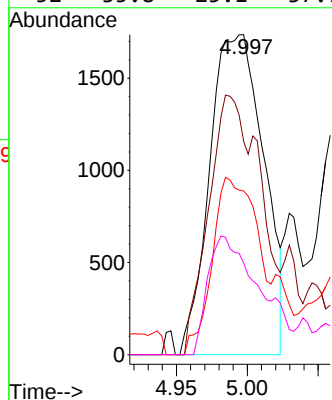
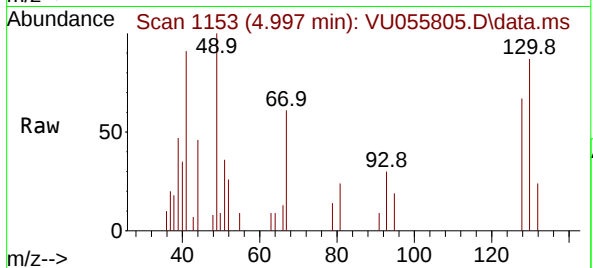
Ion	Ratio	Lower	Upper
41	100		
67	55.7	66.8	100.2#
39	47.1	41.2	61.8#
52	35.8	25.1	37.7#

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#40

Methyl acrylate

Concen: 0.718 ug/l

RT: 4.872 min Scan# 1114

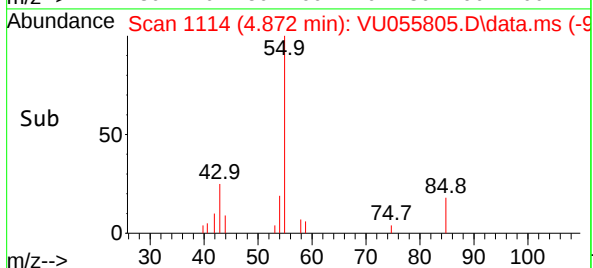
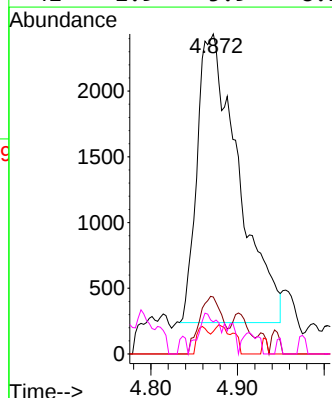
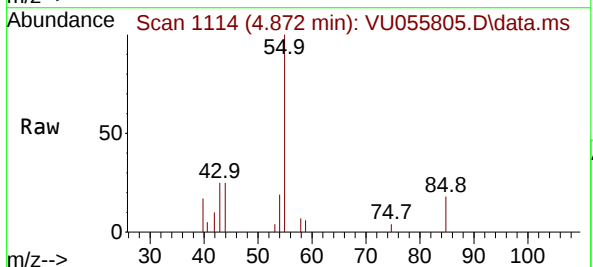
Delta R.T. 0.029 min

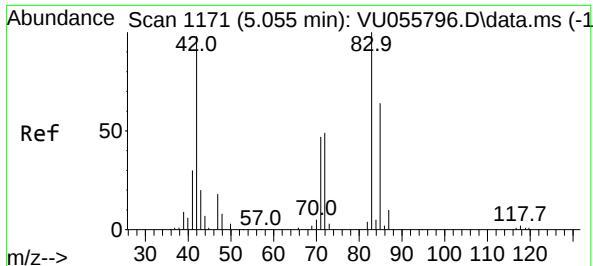
Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Tgt Ion: 55 Resp: 7226

Ion	Ratio	Lower	Upper
55	100		
85	11.1	13.3	19.9#
58	4.7	6.5	9.7#
42	2.9	5.9	8.9#





#41

Tetrahydrofuran

Concen: 1.441 ug/l

RT: 5.078 min Scan# 1171

Delta R.T. 0.023 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

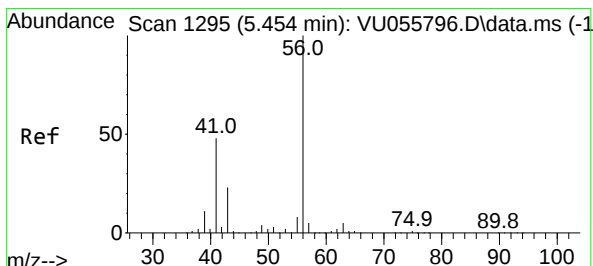
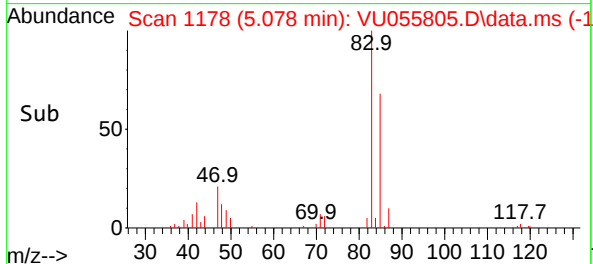
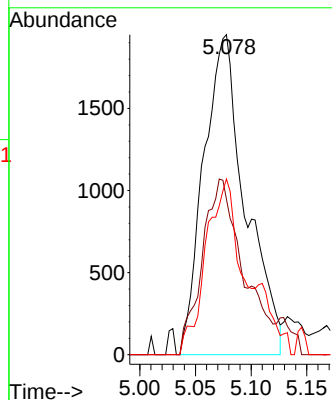
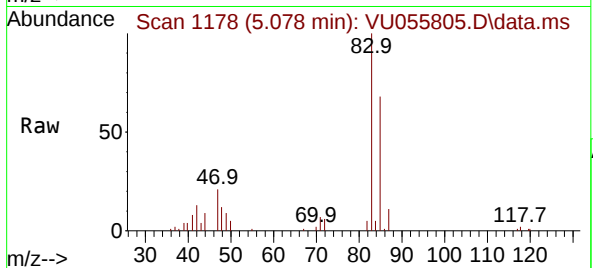
Tgt Ion: 42	Resp: 510
Ion Ratio	Lower Upper
42	100
72	53.7 40.9 61.3
71	45.2 36.9 55.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#42

1-Chlorobutane

Concen: 0.754 ug/l

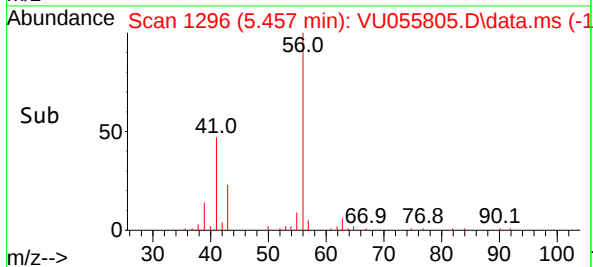
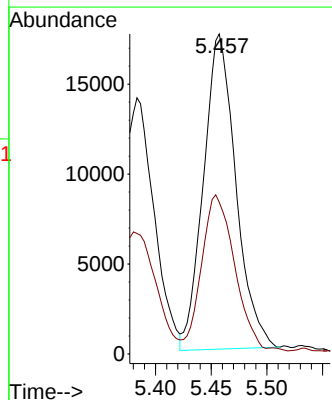
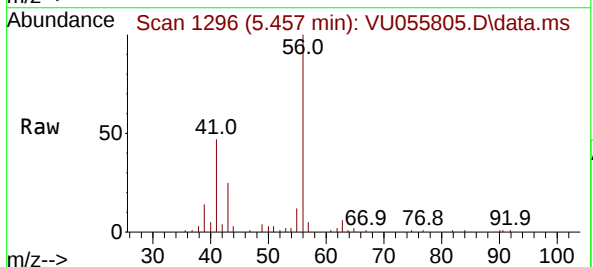
RT: 5.457 min Scan# 1296

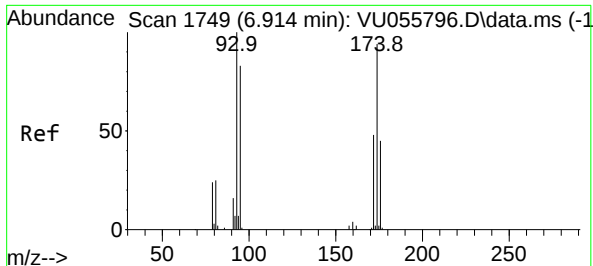
Delta R.T. 0.003 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

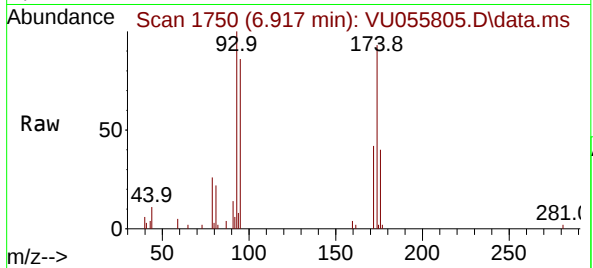
Tgt Ion: 56	Resp: 35407
Ion Ratio	Lower Upper
56	100
41	51.5 25.2 75.6





#43
Dibromomethane
Concen: 0.806 ug/l
RT: 6.917 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

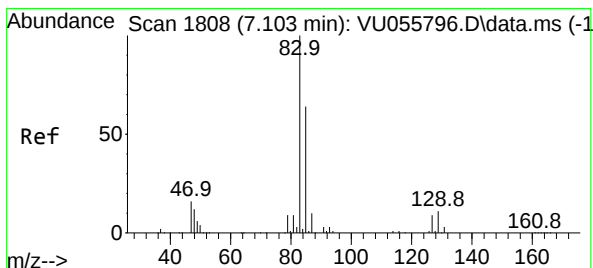
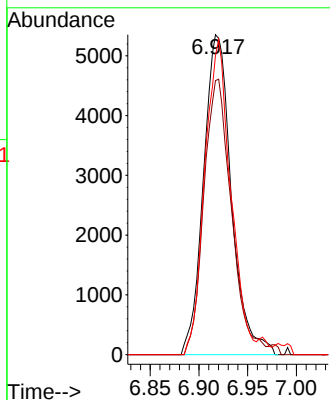
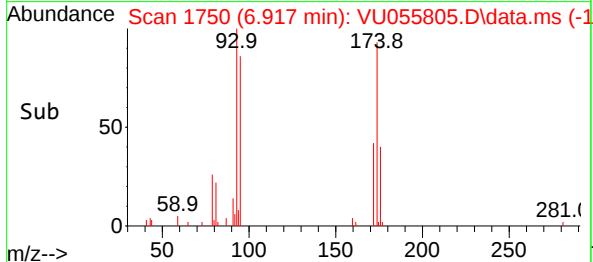
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



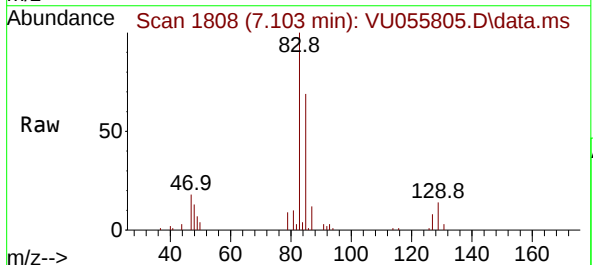
Tgt Ion: 93 Resp: 1067
Ion Ratio Lower Upper
93 100
95 85.1 67.0 100.6
174 91.5 73.8 110.6

Manual Integrations
APPROVED

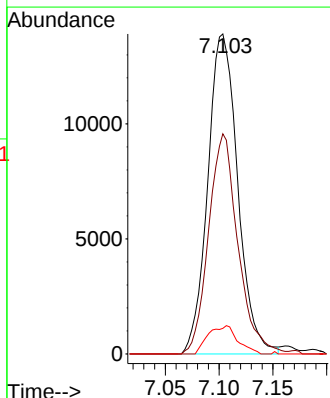
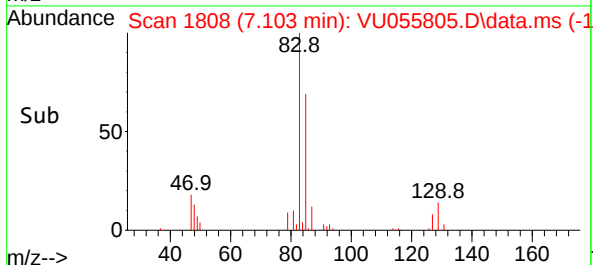
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

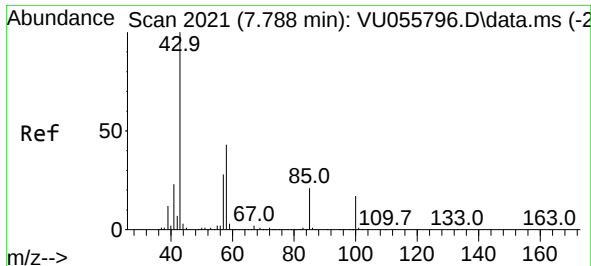


#44
Bromodichloromethane
Concen: 0.771 ug/l
RT: 7.103 min Scan# 1808
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55



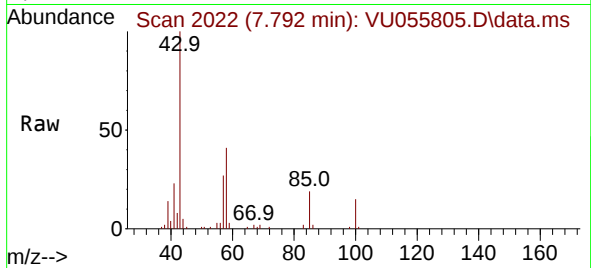
Tgt Ion: 83 Resp: 26987
Ion Ratio Lower Upper
83 100
85 68.8 51.9 77.9
127 8.0 6.7 10.1





#45
4-Methyl-2-Pentanone
Concen: 3.714 ug/l
RT: 7.792 min Scan# 20
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

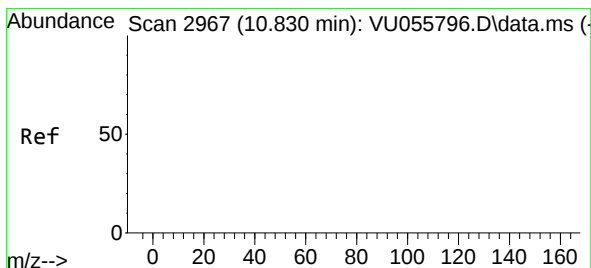
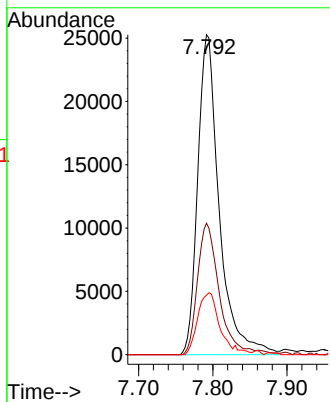
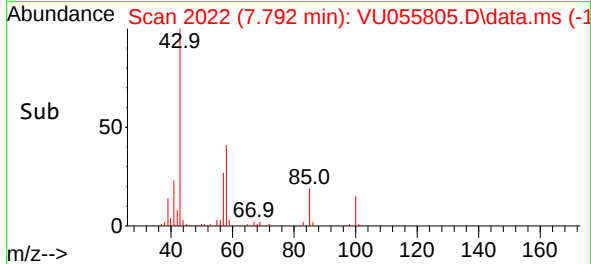
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 43 Resp: 5085
Ion Ratio Lower Upper
43 100
58 41.9 20.9 62.8
85 20.0 14.6 21.8

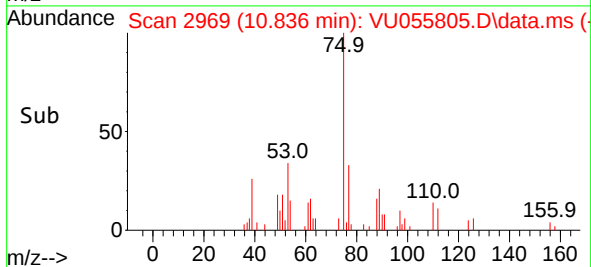
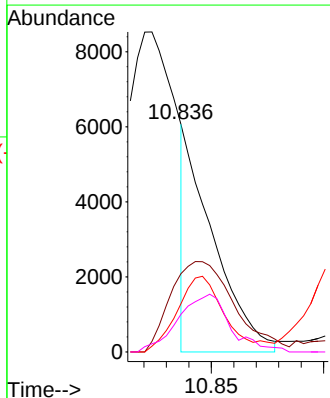
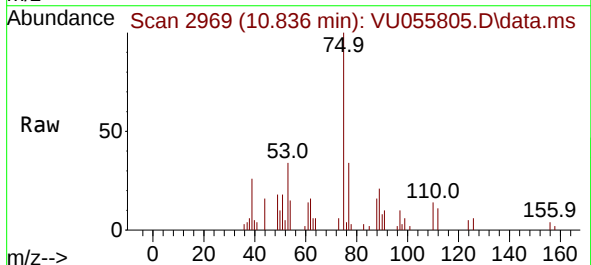
Manual Integrations
APPROVED

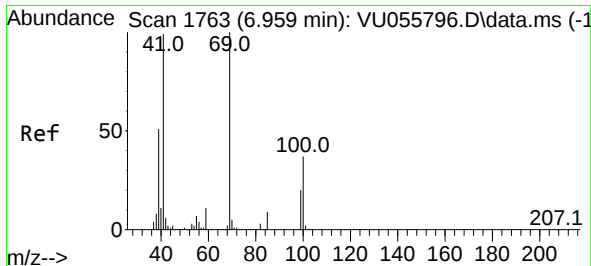
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#46
t-1,4-Dichloro-2-butene
Concen: 0.978 ug/l m
RT: 10.836 min Scan# 2969
Delta R.T. 0.006 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

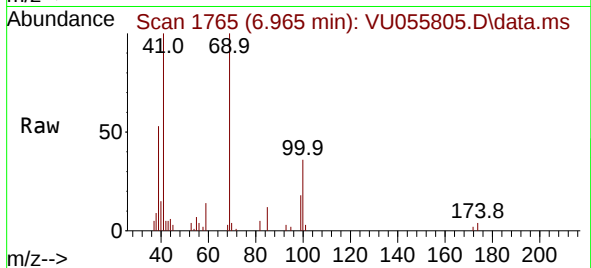
Tgt Ion: 75 Resp: 5326
Ion Ratio Lower Upper
75 100
53 89.4 73.3 109.9
89 56.6 48.2 72.4
88 46.6 36.4 54.6





#47
Methyl methacrylate
Concen: 1.465 ug/l
RT: 6.965 min Scan# 1765
Delta R.T. 0.006 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

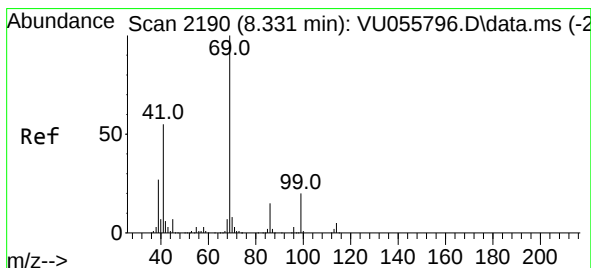
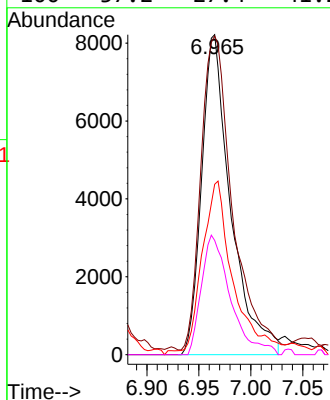
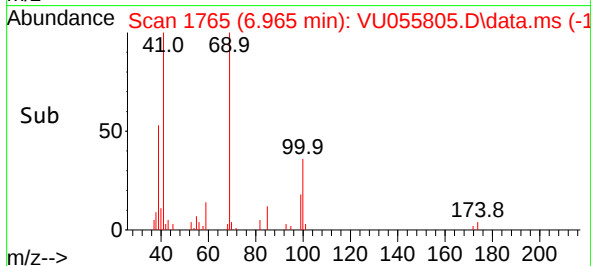
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 69 Resp: 15998
Ion Ratio Lower Upper
69 100
41 106.0 0.0 209.2
39 53.8 46.7 70.1
100 37.2 27.4 41.2

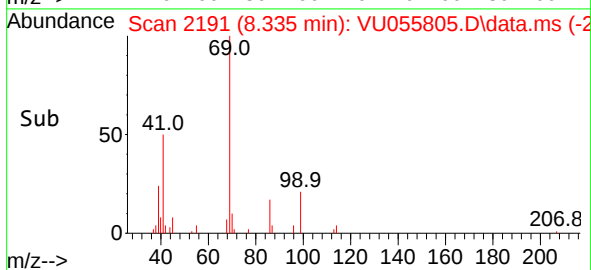
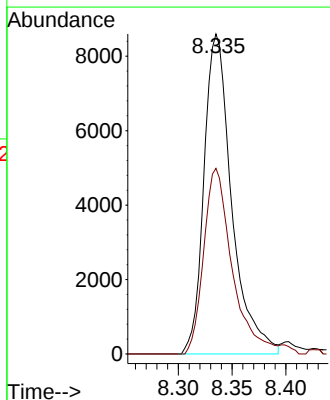
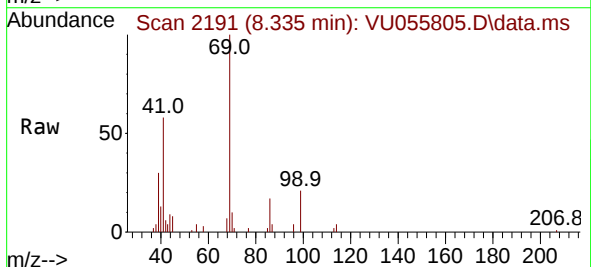
Manual Integrations
APPROVED

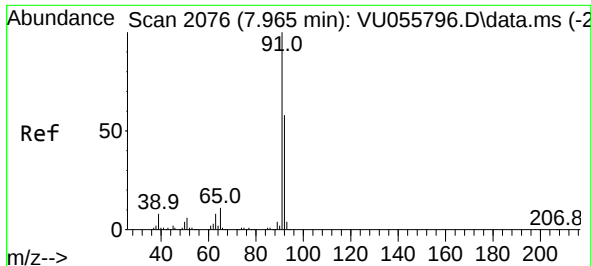
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#48
Ethyl methacrylate
Concen: 0.746 ug/l
RT: 8.335 min Scan# 2191
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion: 69 Resp: 15463
Ion Ratio Lower Upper
69 100
41 59.5 30.3 90.8





#49

Toluene

Concen: 0.781 ug/l

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 92 Resp: 4933

Ion Ratio Lower Upper

92 100

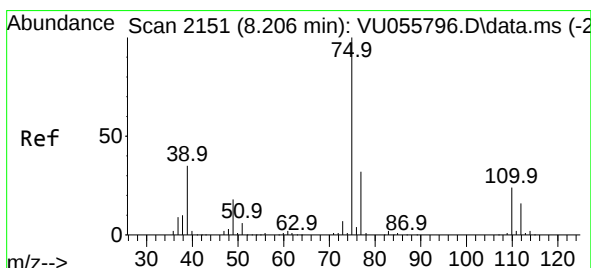
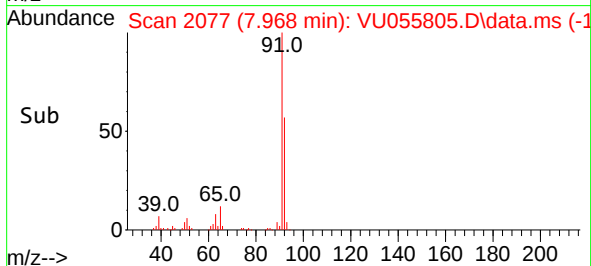
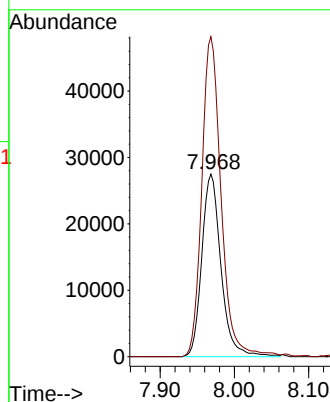
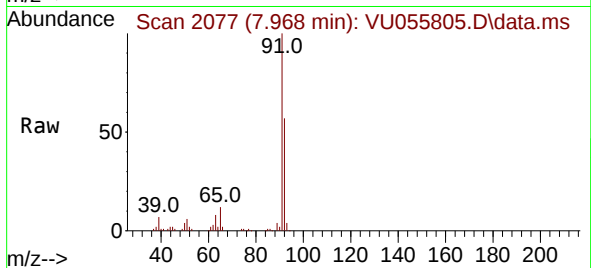
91 176.2 143.0 214.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#50

t-1,3-Dichloropropene

Concen: 0.767 ug/l

RT: 8.213 min Scan# 2153

Delta R.T. 0.007 min

Lab File: VU055805.D

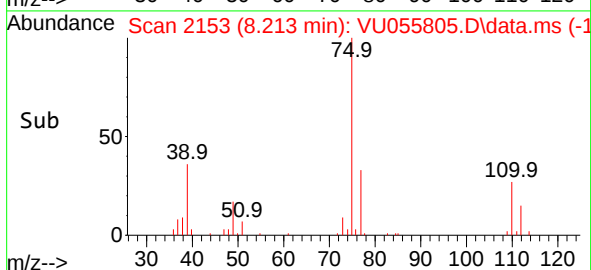
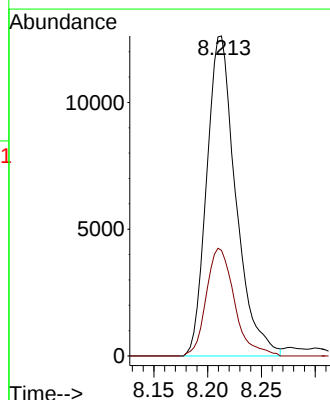
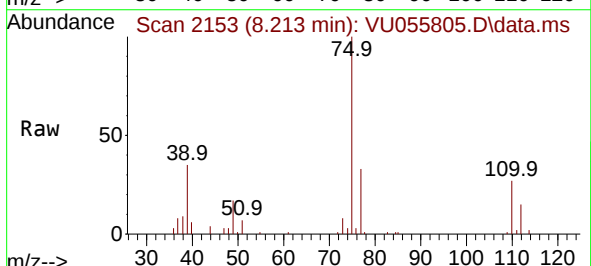
Acq: 18 Oct 2023 17:55

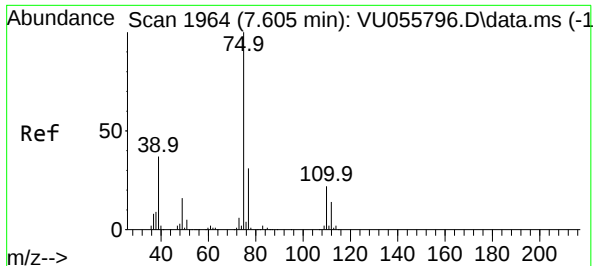
Tgt Ion: 75 Resp: 23740

Ion Ratio Lower Upper

75 100

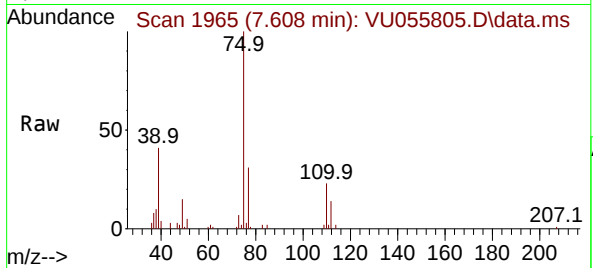
77 33.8 25.3 37.9





#51
cis-1,3-Dichloropropene
Concen: 0.749 ug/l
RT: 7.608 min Scan# 1964
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

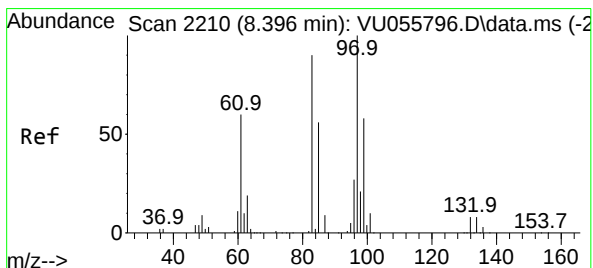
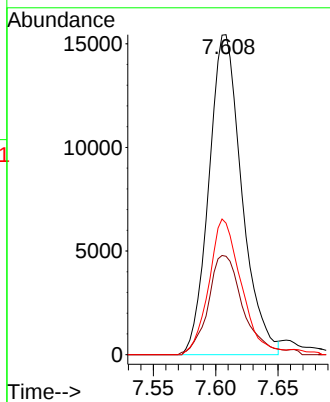
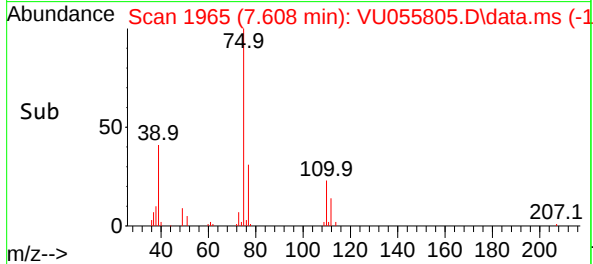
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 75 Resp: 2836
Ion Ratio Lower Upper
75 100
77 30.8 25.7 38.5
39 41.1 32.8 49.2

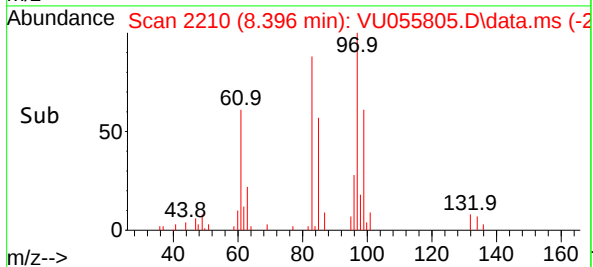
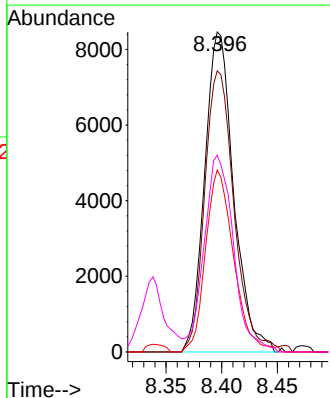
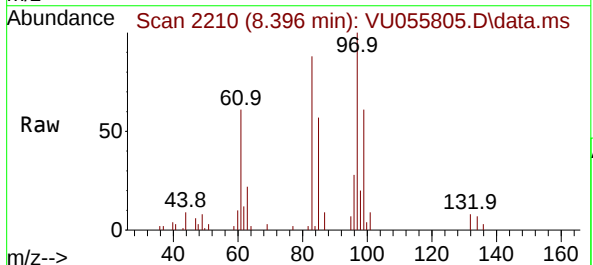
Manual Integrations
APPROVED

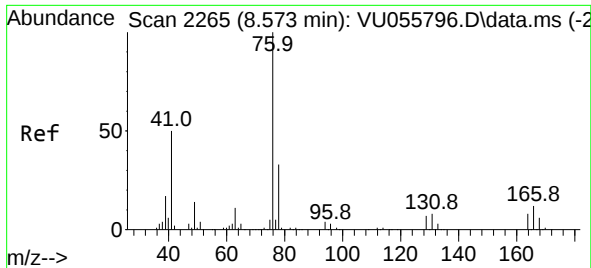
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#52
1,1,2-Trichloroethane
Concen: 0.810 ug/l
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion: 97 Resp: 15312
Ion Ratio Lower Upper
97 100
83 87.8 71.8 107.8
85 56.9 45.2 67.8
99 61.5 50.6 75.8





#53

1,3-Dichloropropane

Concen: 0.814 ug/l

RT: 8.573 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion: 76 Resp: 2631

Ion Ratio Lower Upper

76 100

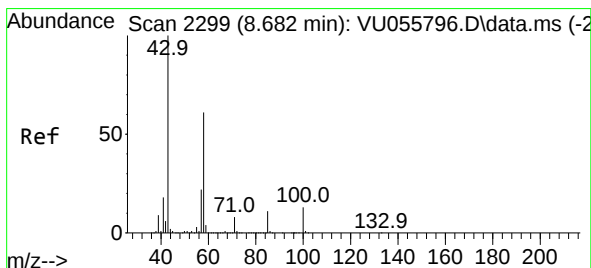
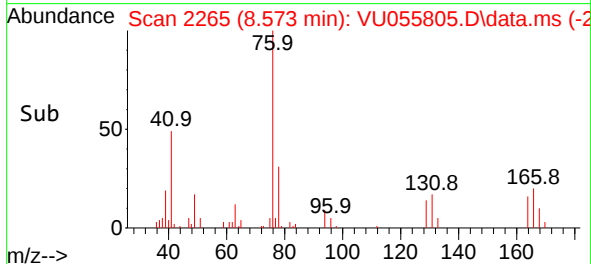
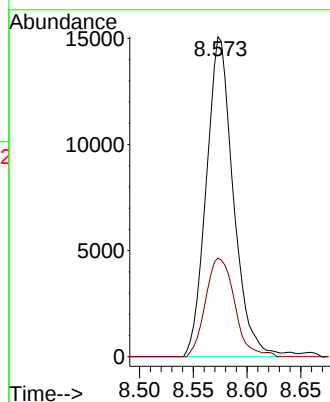
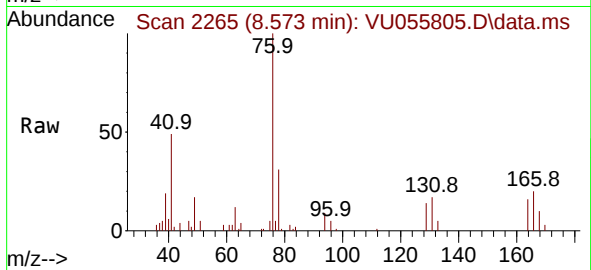
78 33.3 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#54

2-Hexanone

Concen: 2.762 ug/l

RT: 8.689 min Scan# 2301

Delta R.T. 0.007 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

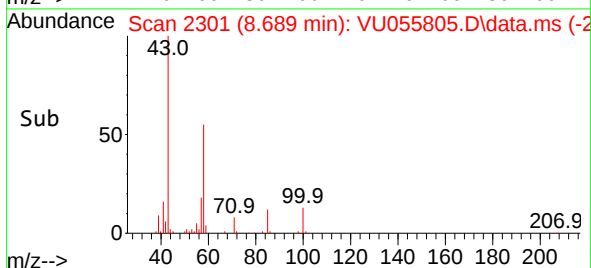
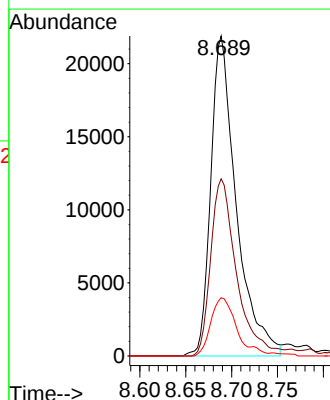
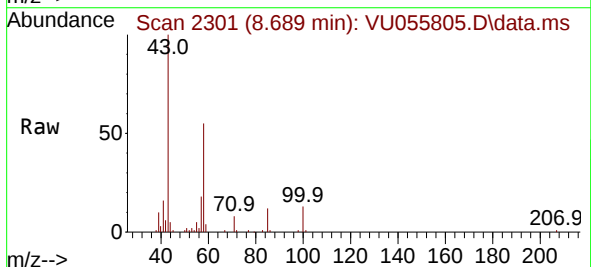
Tgt Ion: 43 Resp: 42372

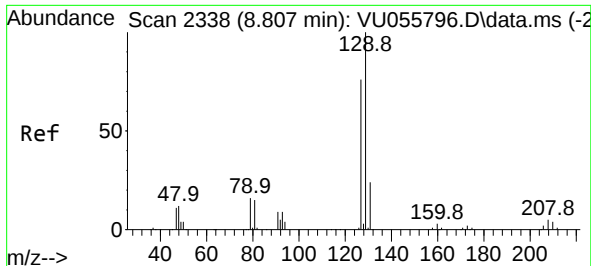
Ion Ratio Lower Upper

43 100

58 56.3 38.2 78.2

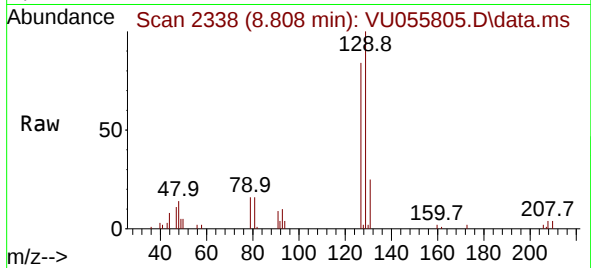
57 18.3 0.0 39.1





#55
Dibromochloromethane
Concen: 0.764 ug/l
RT: 8.808 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

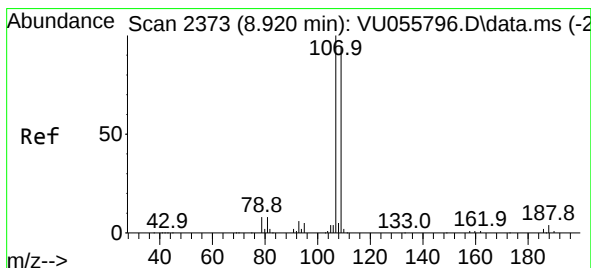
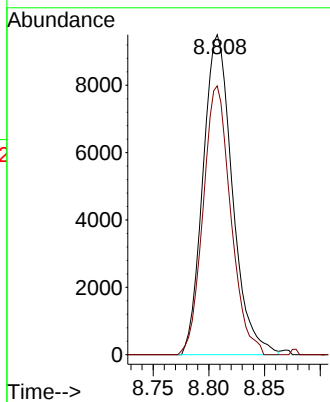
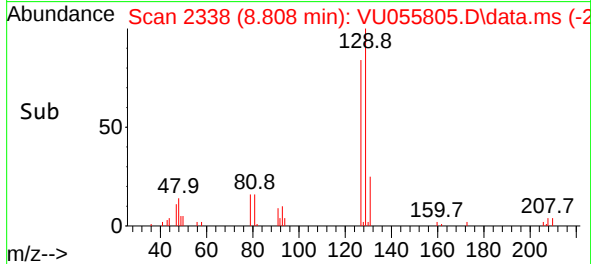
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



Tgt Ion:129 Resp: 17436
Ion Ratio Lower Upper
129 100
127 78.9 61.4 92.0

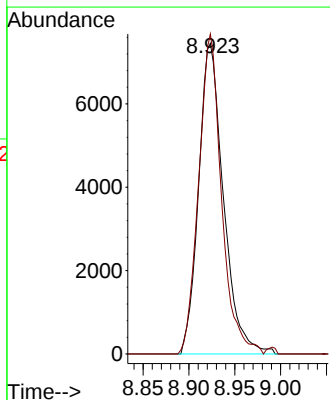
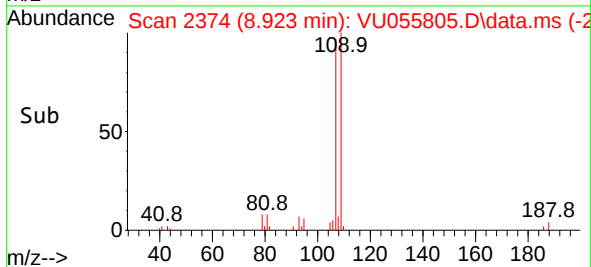
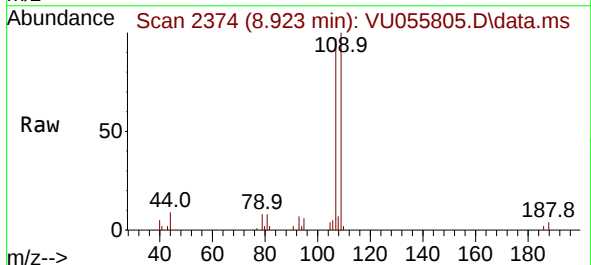
Manual Integrations
APPROVED

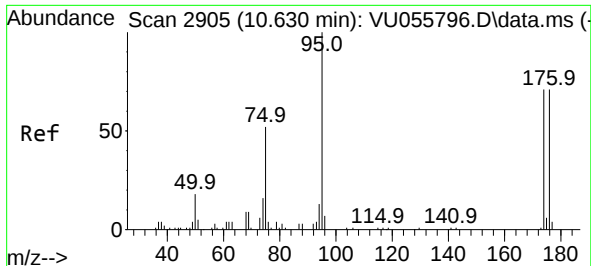
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#56
1,2-Dibromoethane
Concen: 0.811 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

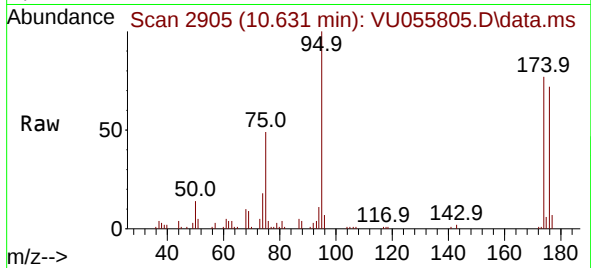
Tgt Ion:107 Resp: 14012
Ion Ratio Lower Upper
107 100
109 94.8 0.0 184.4





#57
4-Bromofluorobenzene
Concen: 0.996 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.001 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

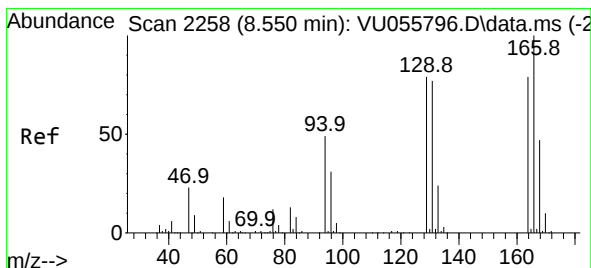
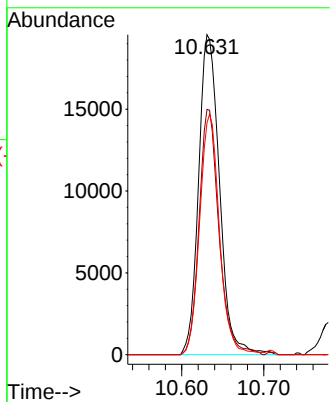
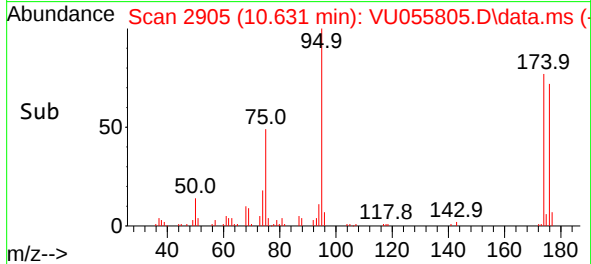
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023



Tgt Ion: 95 Resp: 34554
Ion Ratio Lower Upper
95 100
174 72.9 63.3 94.9
176 71.1 59.3 88.9

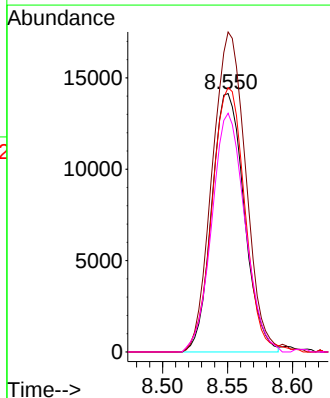
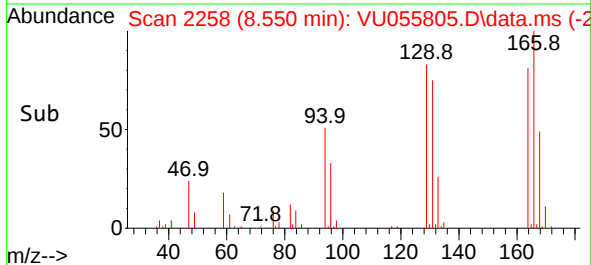
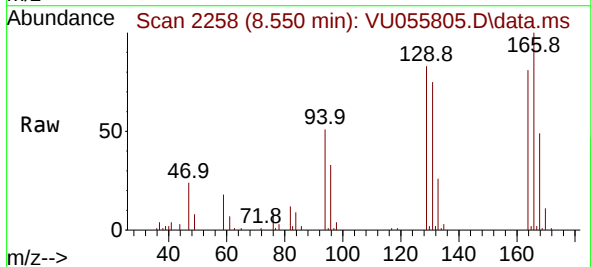
Manual Integrations
APPROVED

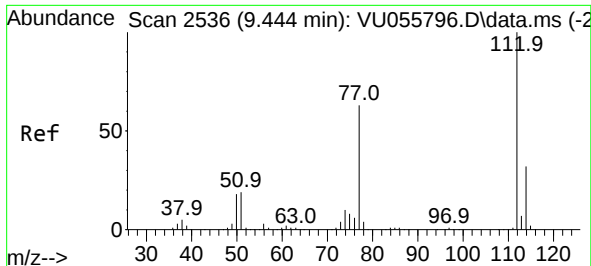
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#58
Tetrachloroethene
Concen: 0.852 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion:164 Resp: 24597
Ion Ratio Lower Upper
164 100
166 123.9 99.6 149.4
129 102.3 78.6 117.8
131 92.4 73.4 110.0





#59

Chlorobenzene

Concen: 0.778 ug/l

RT: 9.447 min Scan# 2536

Delta R.T. 0.003 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion:112 Resp: 54239

Ion Ratio Lower Upper

112 100

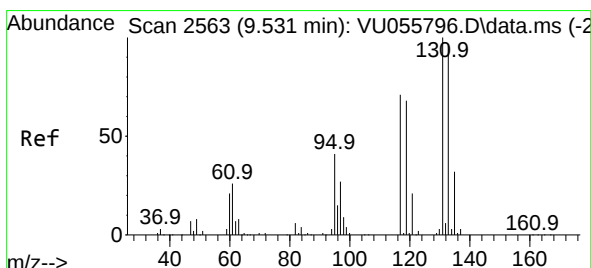
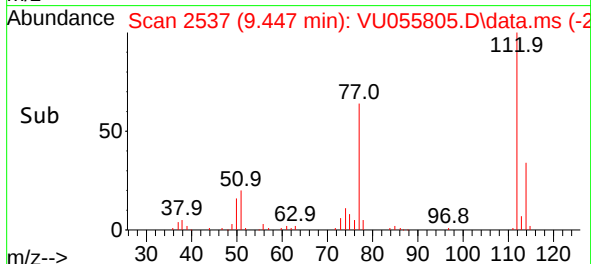
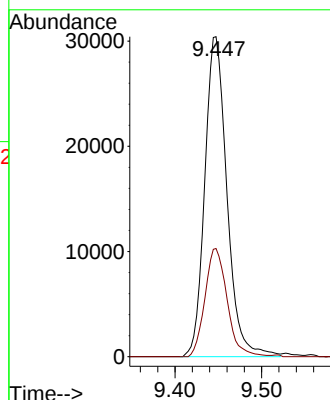
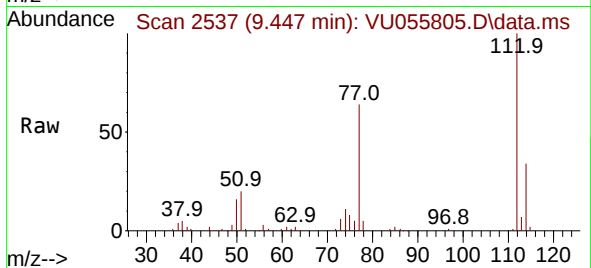
114 33.8 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#60

1,1,1,2-Tetrachloroethane

Concen: 0.797 ug/l

RT: 9.531 min Scan# 2563

Delta R.T. 0.000 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

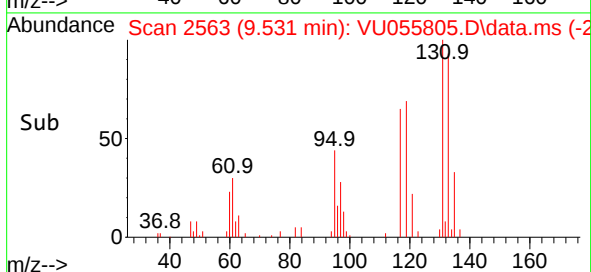
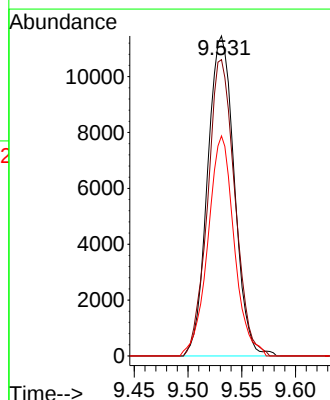
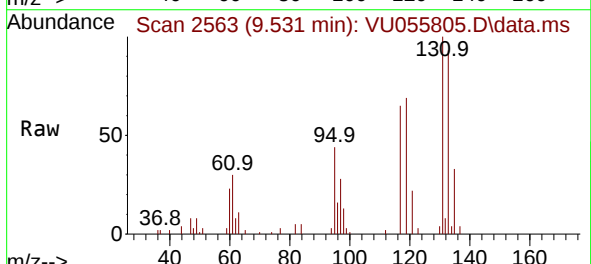
Tgt Ion:131 Resp: 19805

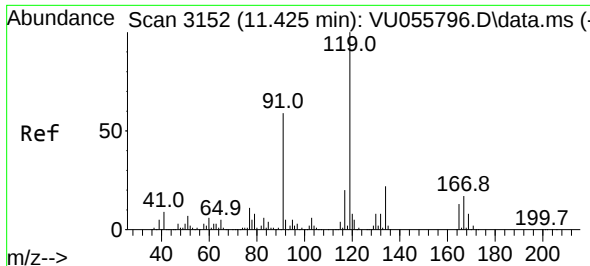
Ion Ratio Lower Upper

131 100

133 94.0 77.8 116.6

119 67.4 55.2 82.8





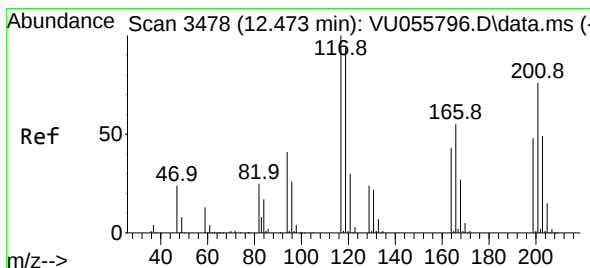
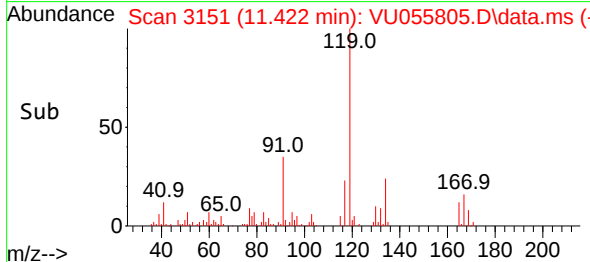
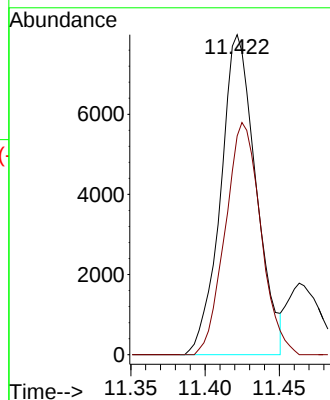
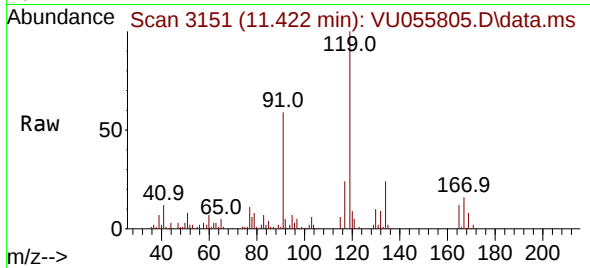
#61
Pentachloroethane
Concen: 0.787 ug/l
RT: 11.422 min Scan# 3152
Delta R.T. -0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion:117 Resp: 1323
Ion Ratio Lower Upper
117 100
167 72.7 56.7 85.1

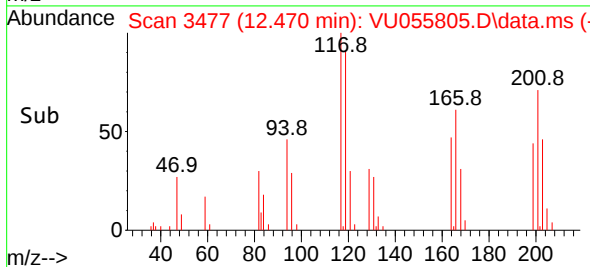
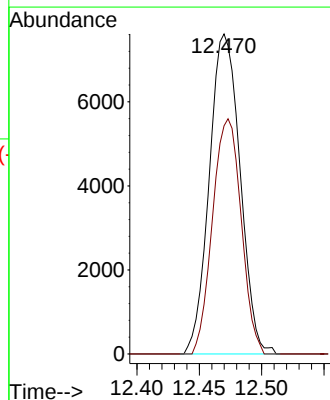
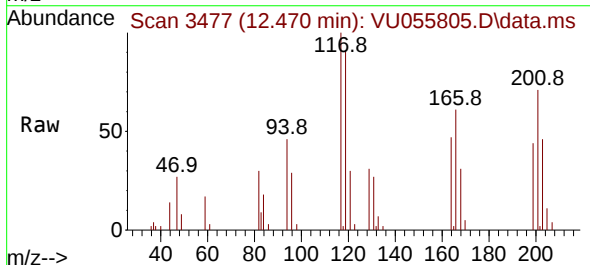
Manual Integrations
APPROVED

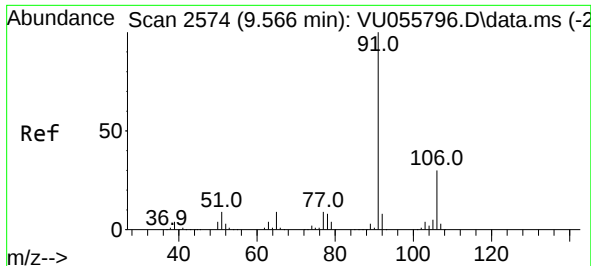
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#62
Hexachloroethane
Concen: 0.736 ug/l
RT: 12.470 min Scan# 3477
Delta R.T. -0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion:117 Resp: 13112
Ion Ratio Lower Upper
117 100
201 68.2 59.6 89.4





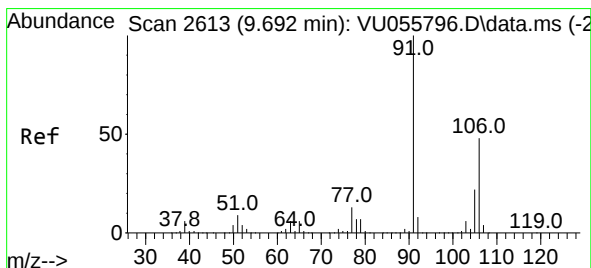
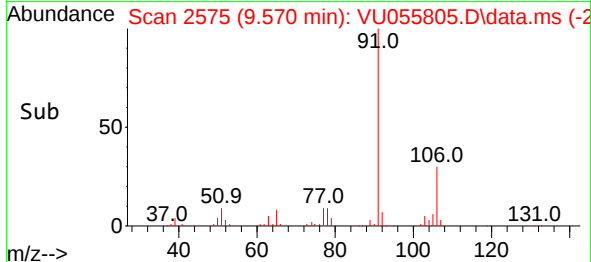
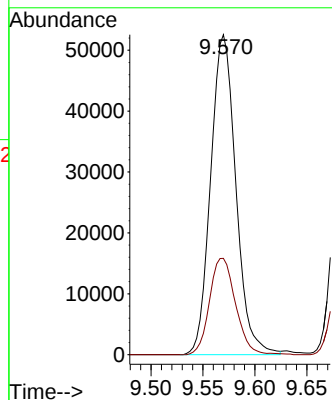
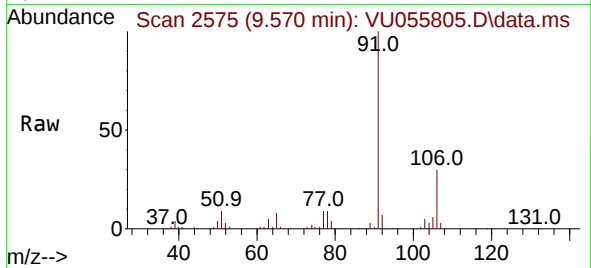
#63
Ethyl Benzene
Concen: 0.750 ug/l
RT: 9.570 min Scan# 2574
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion: 91 Resp: 8872
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2

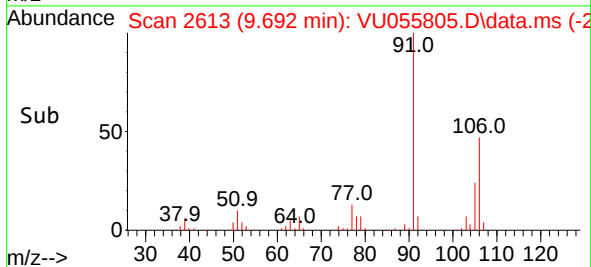
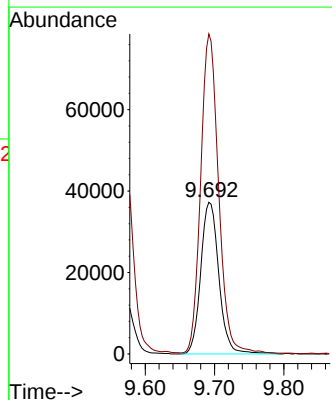
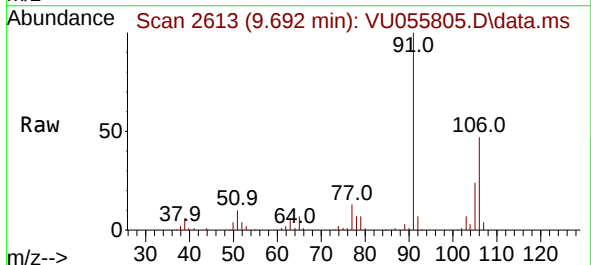
Manual Integrations
APPROVED

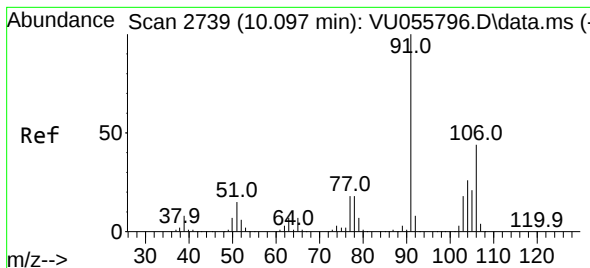
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#64
m/p-Xylenes
Concen: 1.487 ug/l
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion:106 Resp: 67642
Ion Ratio Lower Upper
106 100
91 207.1 167.3 250.9





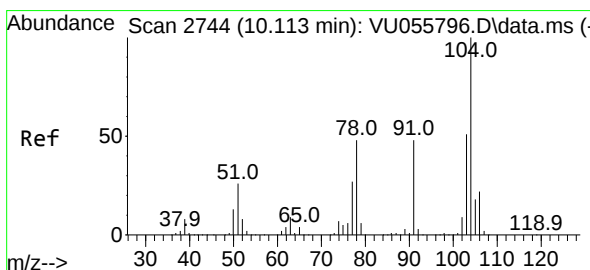
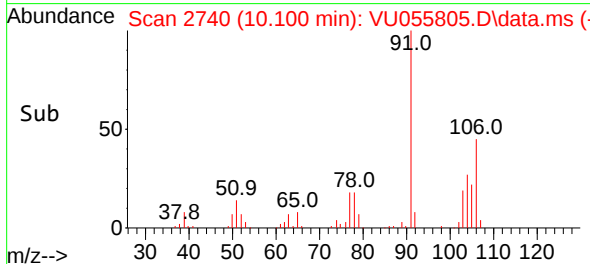
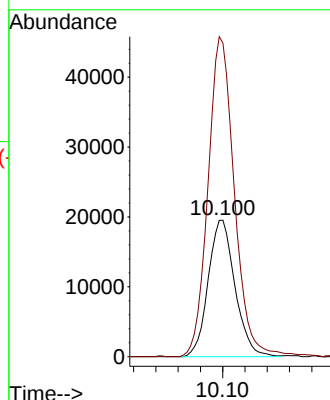
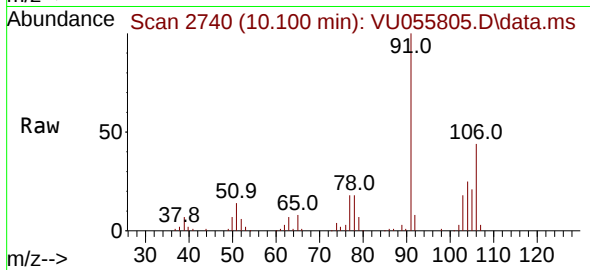
#65
o-Xylene
Concen: 0.731 ug/l
RT: 10.100 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion:106 Resp: 3261
Ion Ratio Lower Upper
106 100
91 231.9 109.3 327.9

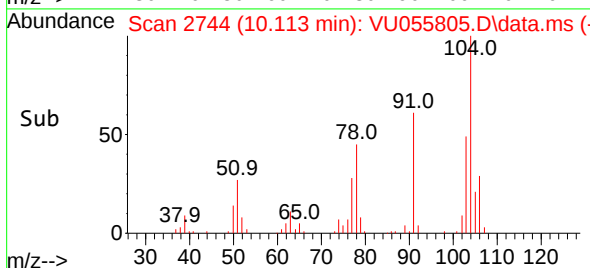
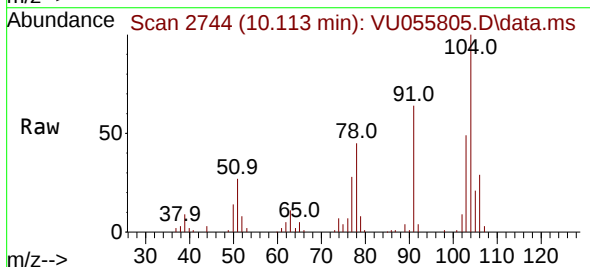
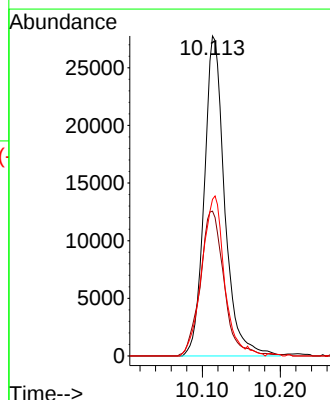
Manual Integrations
APPROVED

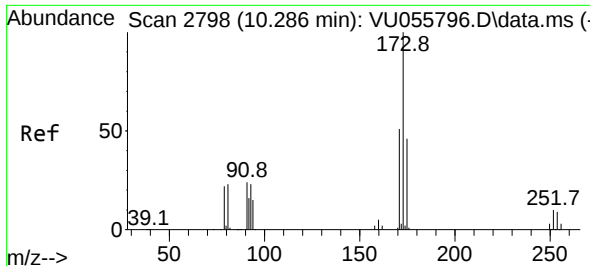
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#66
Styrene
Concen: 0.725 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. -0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

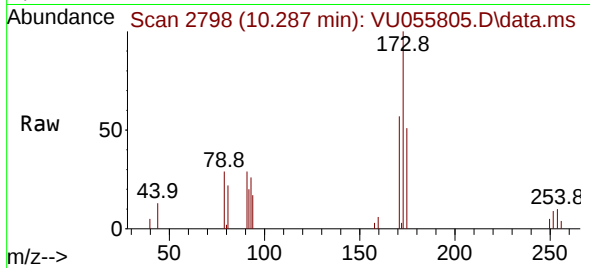
Tgt Ion:104 Resp: 50621
Ion Ratio Lower Upper
104 100
78 52.9 39.7 59.5
103 55.5 44.8 67.2





#67
Bromoform
Concen: 0.724 ug/l
RT: 10.287 min Scan# 21
Delta R.T. 0.001 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

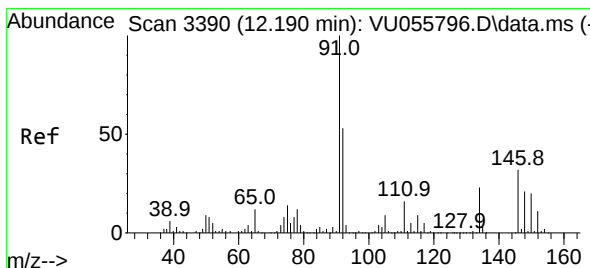
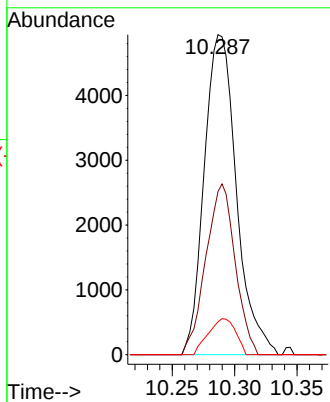
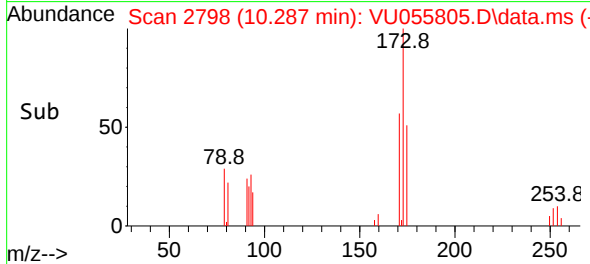
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



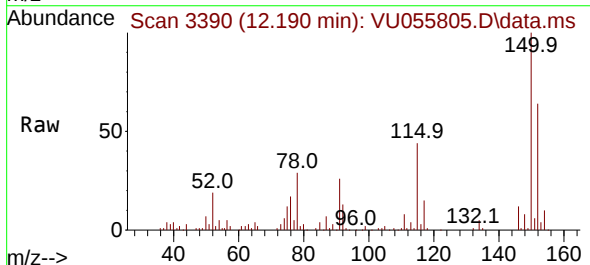
Tgt Ion:173 Resp: 887
Ion Ratio Lower Upper
173 100
175 48.6 39.0 58.6
254 9.5 7.4 11.0

Manual Integrations
APPROVED

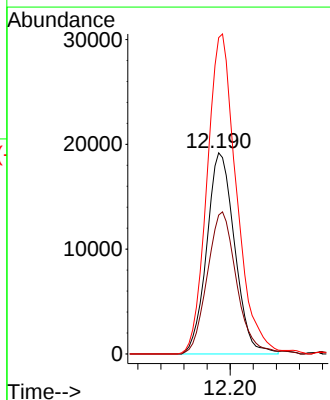
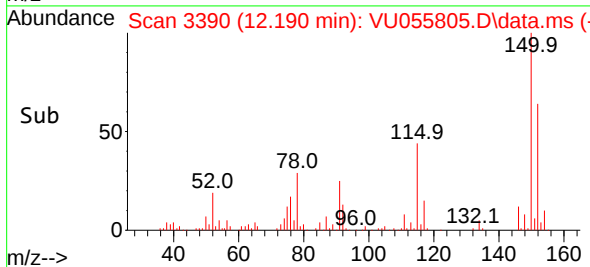
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

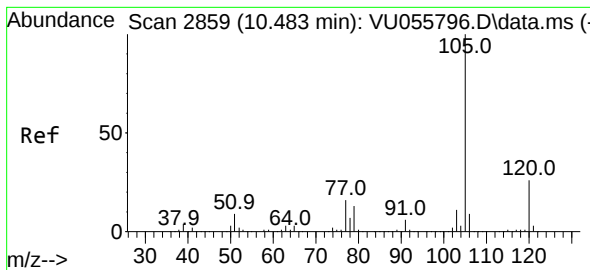


#68
1,2-Dichlorobenzene-d4
Concen: 1.000 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55



Tgt Ion:152 Resp: 32154
Ion Ratio Lower Upper
152 100
115 74.6 0.0 308.8
150 167.8 0.0 635.0





#69

Isopropylbenzene

Concen: 0.721 ug/l

RT: 10.483 min Scan# 2859

Delta R.T. -0.000 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT4-2023

Tgt Ion:105 Resp: 82799

Ion Ratio Lower Upper

105 100

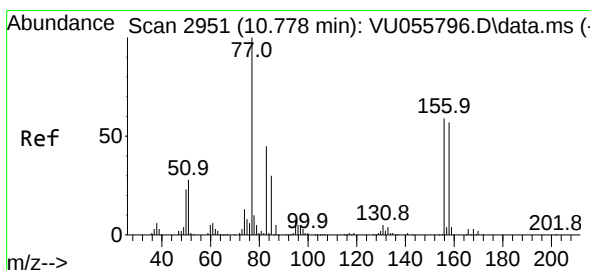
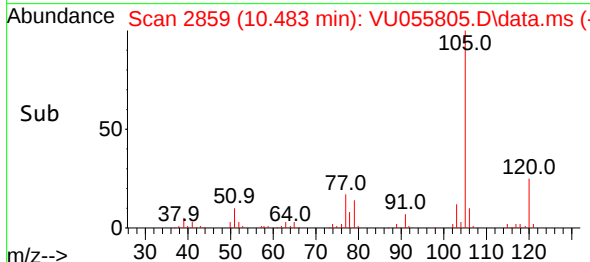
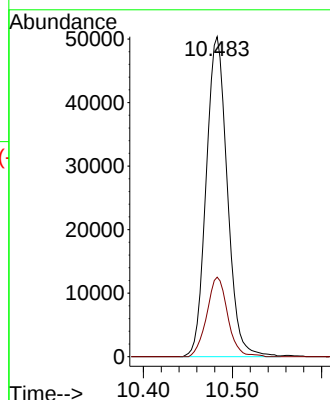
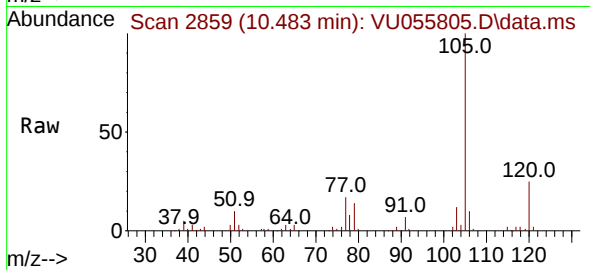
120 24.7 12.8 38.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/19/2023

Supervised By :Mahesh Dadoda 10/24/2023



#70

1,1,2,2-Tetrachloroethane

Concen: 0.822 ug/l

RT: 10.779 min Scan# 2951

Delta R.T. 0.001 min

Lab File: VU055805.D

Acq: 18 Oct 2023 17:55

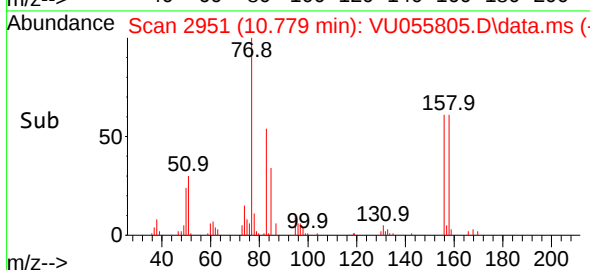
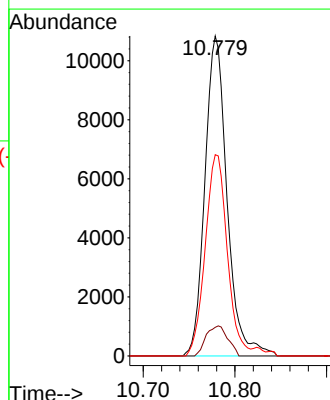
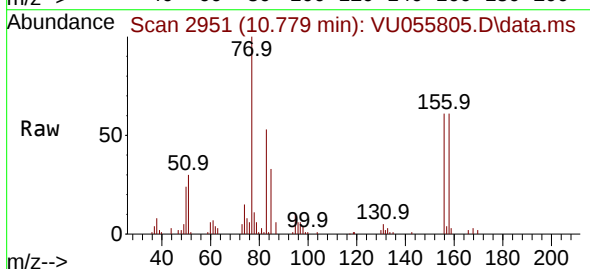
Tgt Ion: 83 Resp: 18169

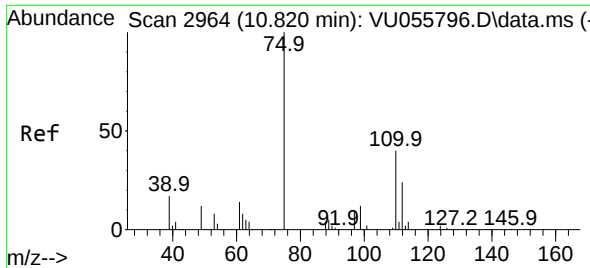
Ion Ratio Lower Upper

83 100

131 9.2 7.2 10.8

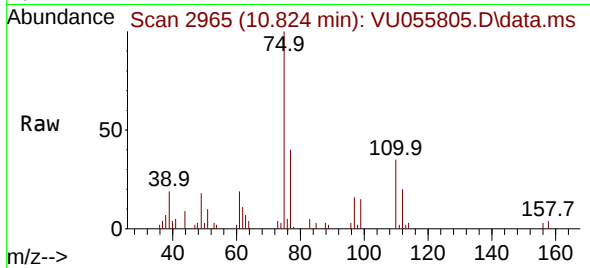
85 62.5 50.5 75.7





#71
1,2,3-Trichloropropane
Concen: 1.109 ug/l
RT: 10.824 min Scan# 2965
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

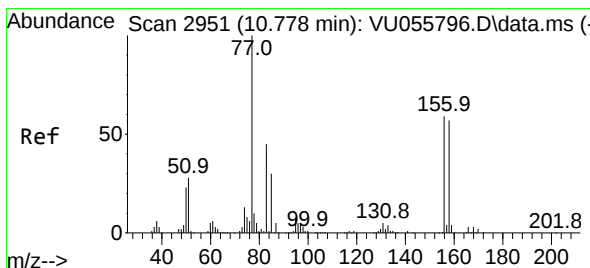
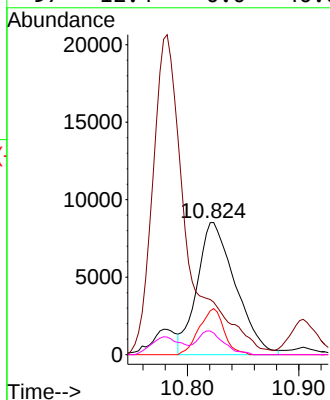
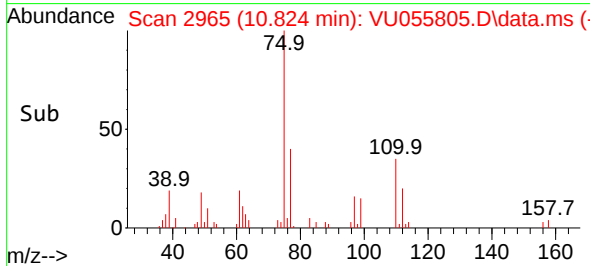
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



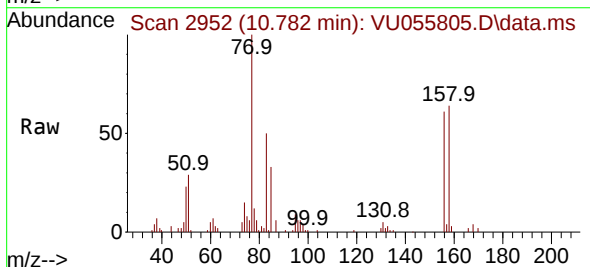
Tgt Ion: 75 Resp: 2032
Ion Ratio Lower Upper
75 100
77 0.0 0.0 116.4
110 22.7 0.0 74.6
97 12.4 0.0 40.0

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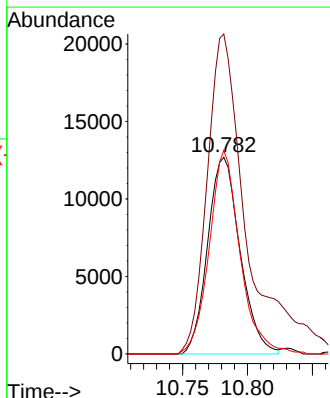
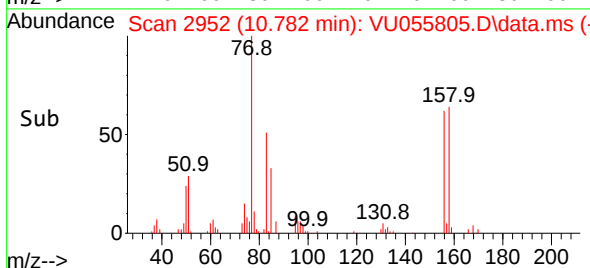
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

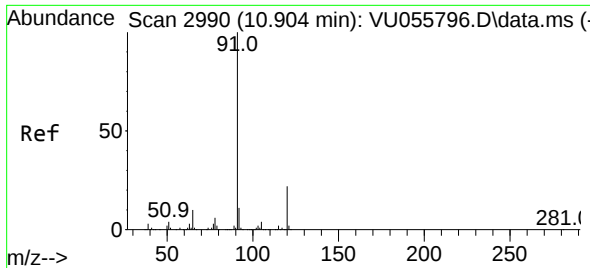


#72
Bromobenzene
Concen: 0.803 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55



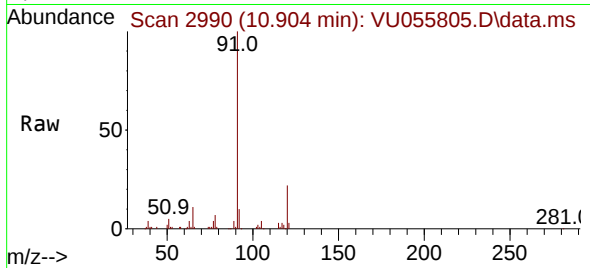
Tgt Ion:156 Resp: 22010
Ion Ratio Lower Upper
156 100
77 199.9 0.0 343.0
158 98.3 0.0 194.8





#73
n-propylbenzene
Concen: 0.684 ug/l
RT: 10.904 min Scan# 2990
Delta R.T. -0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

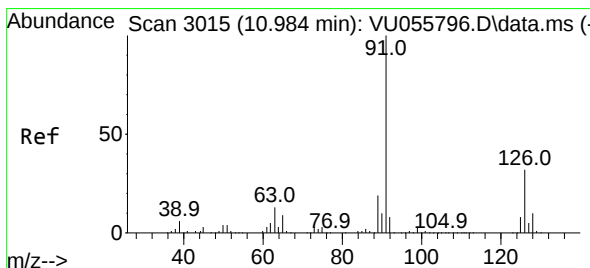
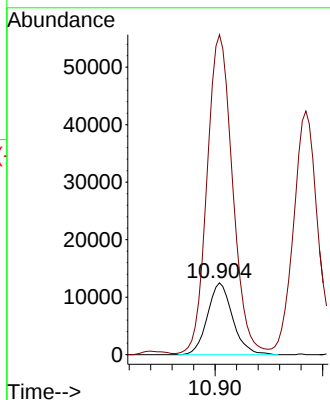
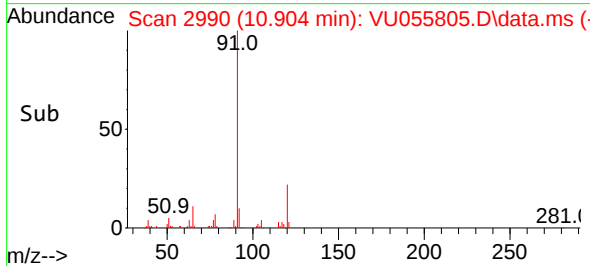
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT4-2023



Tgt Ion:120 Resp: 20258
Ion Ratio Lower Upper
120 100
91 450.5 369.8 554.6

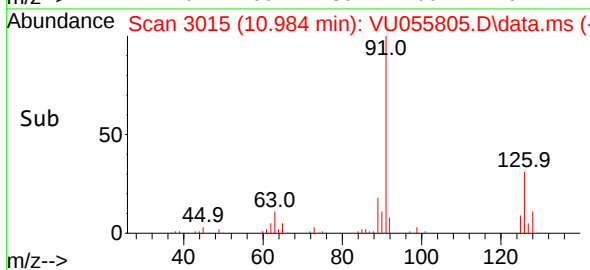
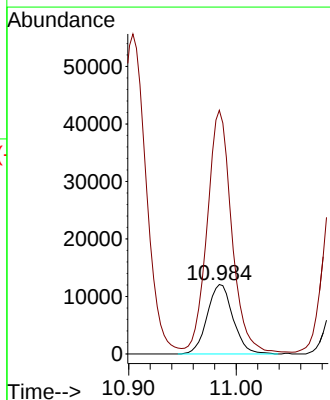
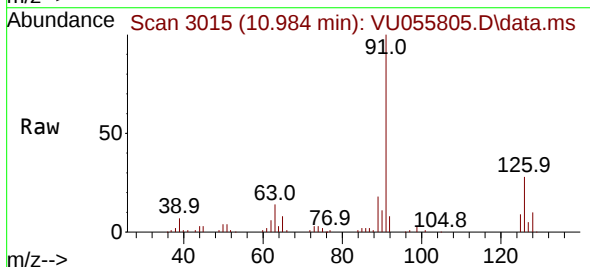
Manual Integrations
APPROVED

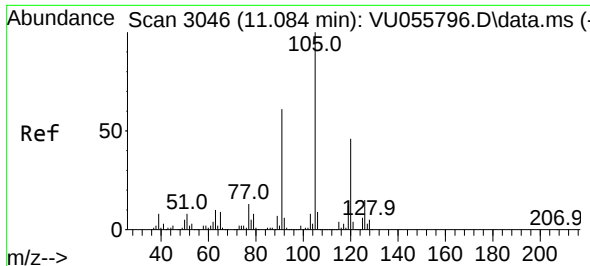
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#74
2-Chlorotoluene
Concen: 0.728 ug/l
RT: 10.984 min Scan# 3015
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion:126 Resp: 20052
Ion Ratio Lower Upper
126 100
91 332.4 0.0 610.0





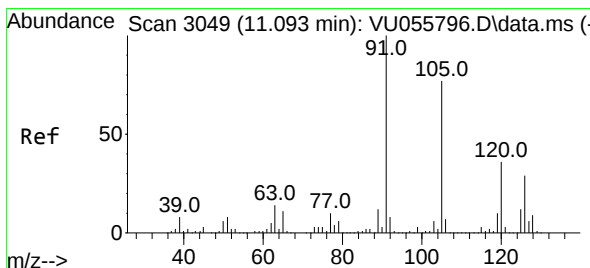
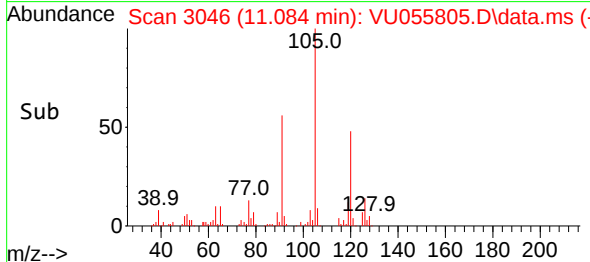
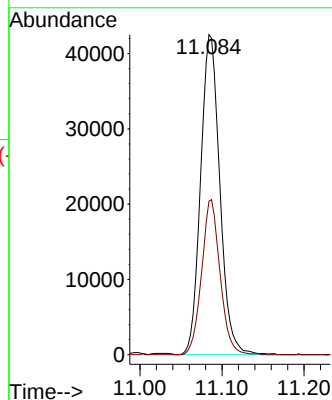
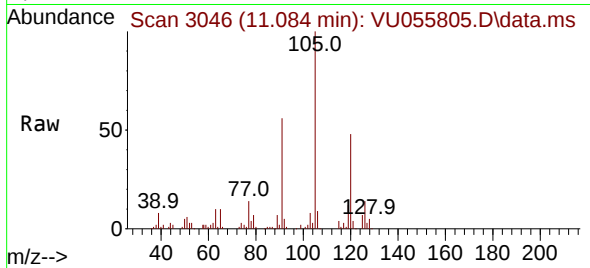
#75
1,3,5-Trimethylbenzene
Concen: 0.704 ug/l
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion:105 Resp: 6914
Ion Ratio Lower Upper
105 100
120 46.5 37.8 56.8

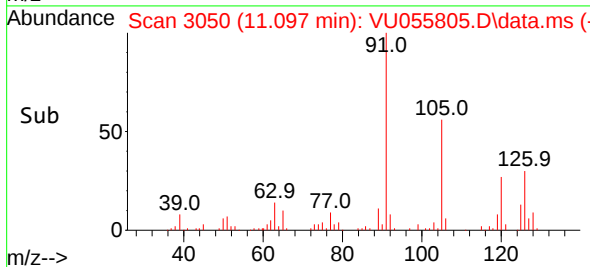
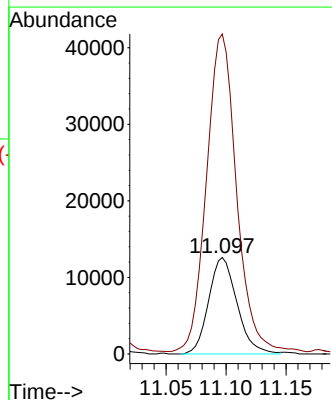
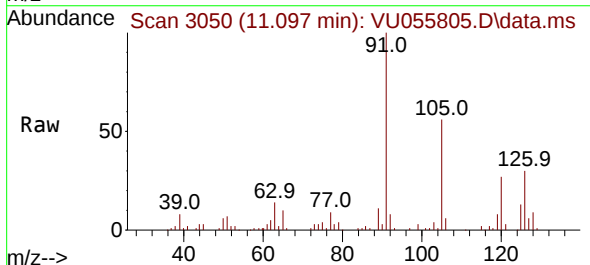
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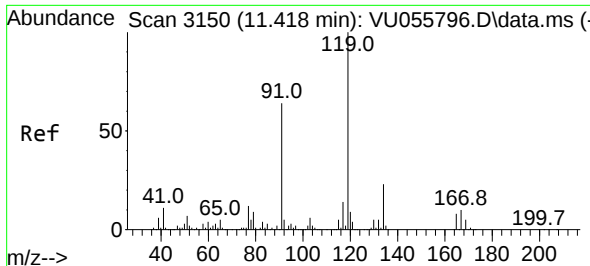
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#76
4-Chlorotoluene
Concen: 0.738 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion:126 Resp: 20708
Ion Ratio Lower Upper
126 100
91 348.3 0.0 686.2





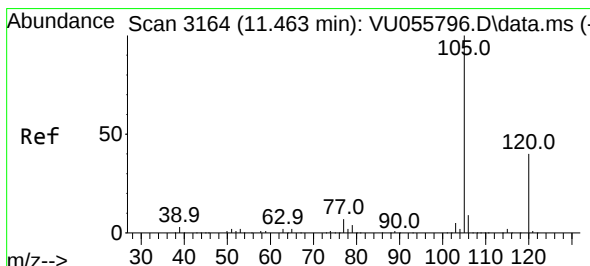
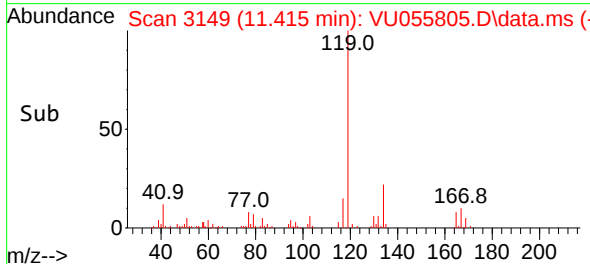
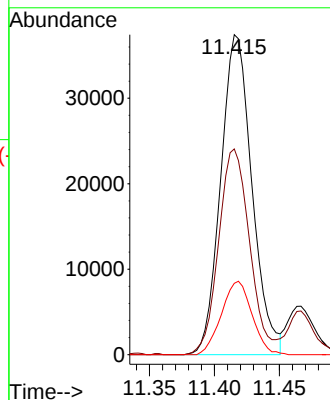
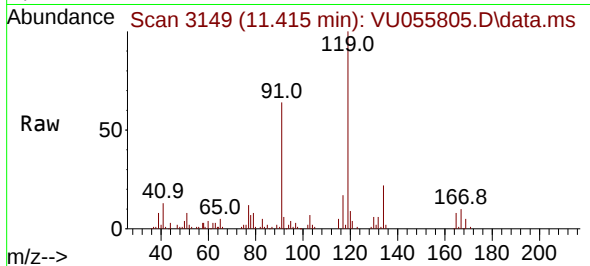
#77
tert-Butylbenzene
Concen: 0.696 ug/l
RT: 11.415 min Scan# 3149
Delta R.T. -0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion:119 Resp: 62684
Ion Ratio Lower Upper
119 100
91 63.7 30.8 92.4
134 22.4 18.0 27.0

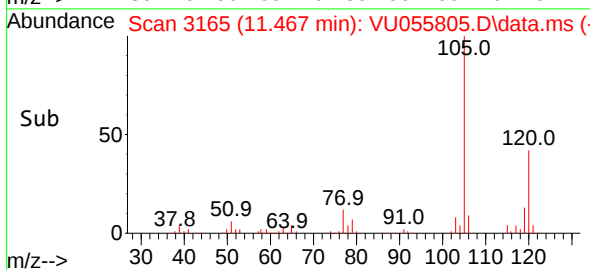
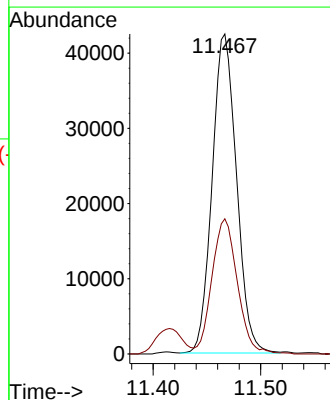
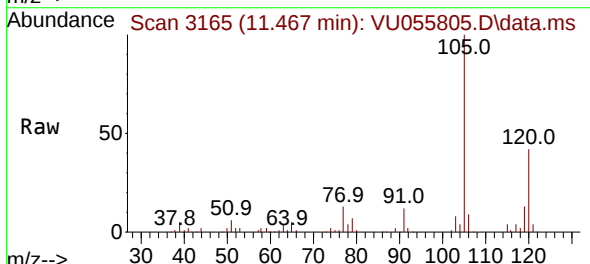
Manual Integrations
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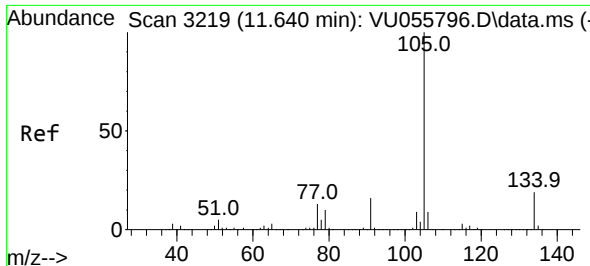
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.686 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

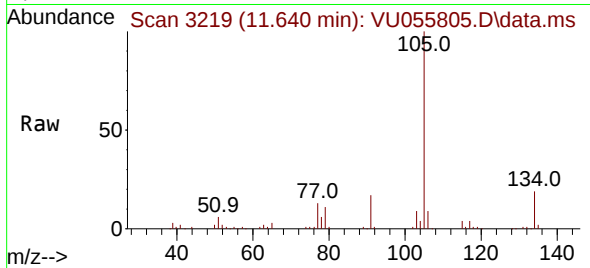
Tgt Ion:105 Resp: 66709
Ion Ratio Lower Upper
105 100
120 44.3 21.9 65.8





#79
 sec-Butylbenzene
 Concen: 0.654 ug/l
 RT: 11.640 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VU055805.D
 Acq: 18 Oct 2023 17:55

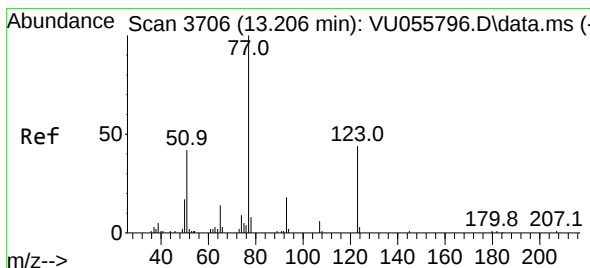
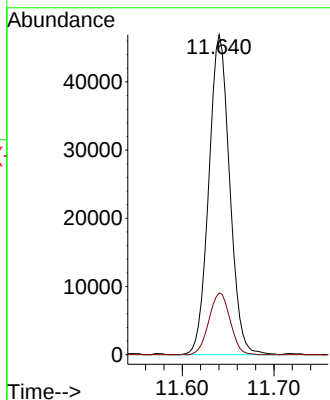
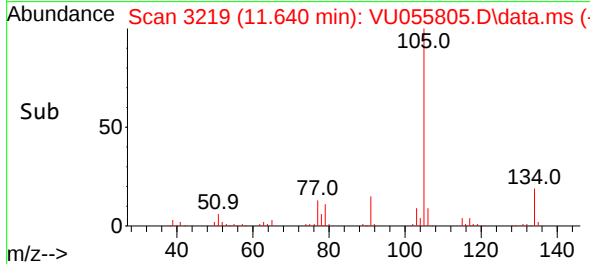
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2023



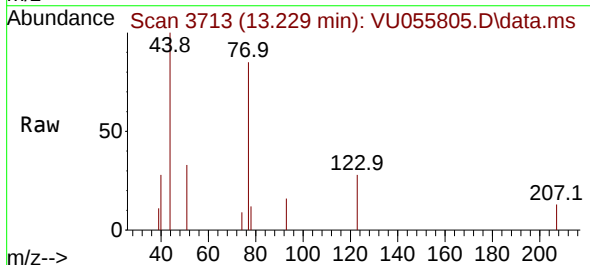
Tgt Ion:105 Resp: 7429
 Ion Ratio Lower Upper
 105 100
 134 19.6 14.9 22.3

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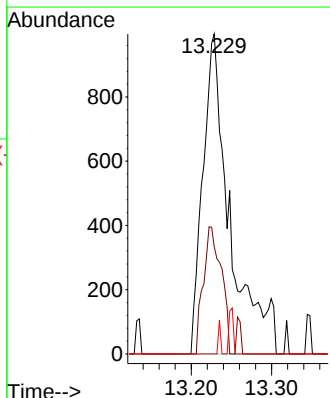
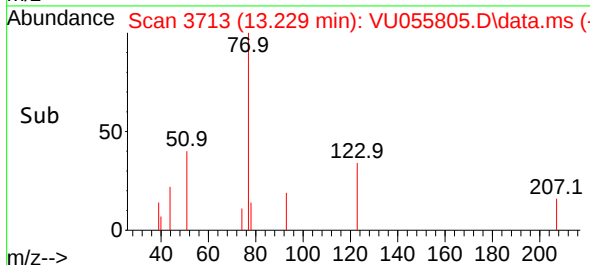
Reviewed By :John Carlone 10/19/2023
 Supervised By :Mahesh Dadoda 10/24/2023

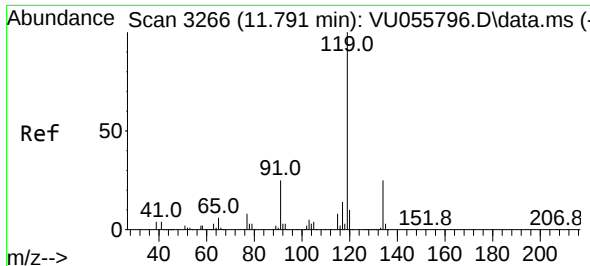


#80
 Nitrobenzene
 Concen: 3.971 ug/l m
 RT: 13.229 min Scan# 3713
 Delta R.T. 0.023 min
 Lab File: VU055805.D
 Acq: 18 Oct 2023 17:55



Tgt Ion: 77 Resp: 2323
 Ion Ratio Lower Upper
 77 100
 123 26.5 19.7 69.7
 65 0.9 11.5 14.7#





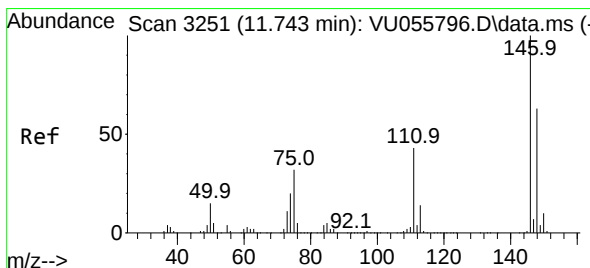
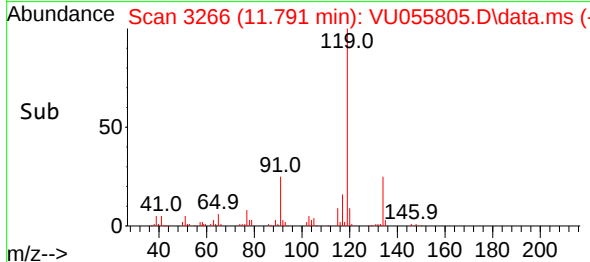
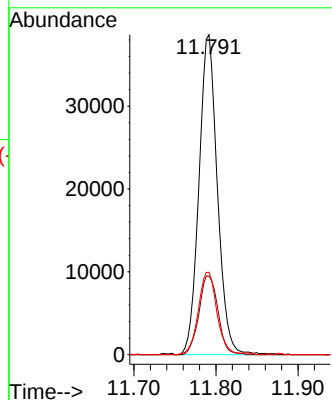
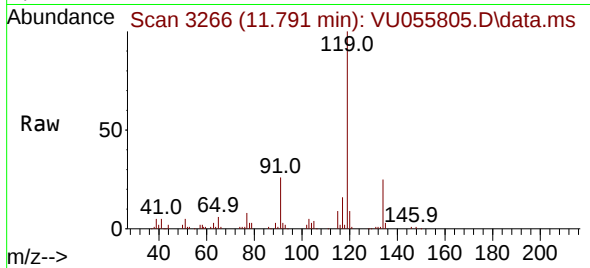
#81
p-Isopropyltoluene
Concen: 0.658 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion:119 Resp: 60190
Ion Ratio Lower Upper
119 100
134 25.3 20.2 30.4
91 26.0 19.3 28.9

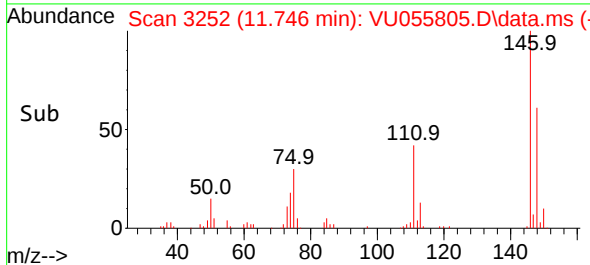
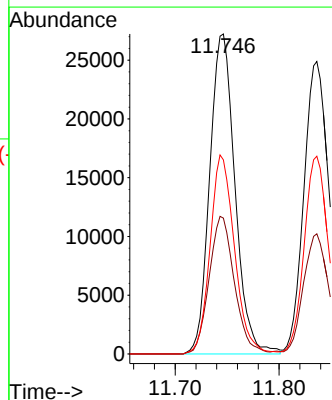
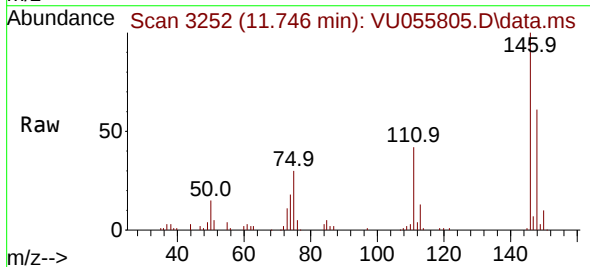
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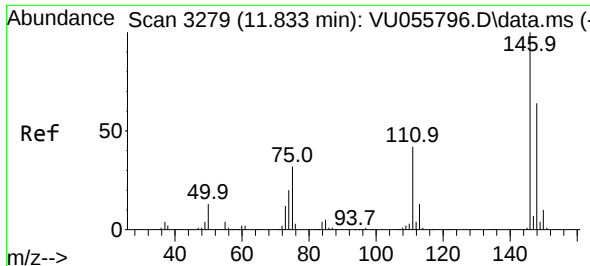
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#82
1,3-Dichlorobenzene
Concen: 0.821 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

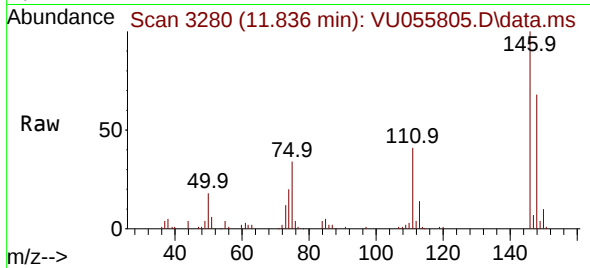
Tgt Ion:146 Resp: 45949
Ion Ratio Lower Upper
146 100
111 43.0 32.6 49.0
148 60.3 51.0 76.4





#83
1,4-Dichlorobenzene
Concen: 0.769 ug/l
RT: 11.836 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

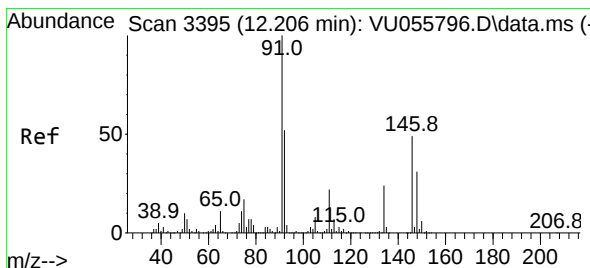
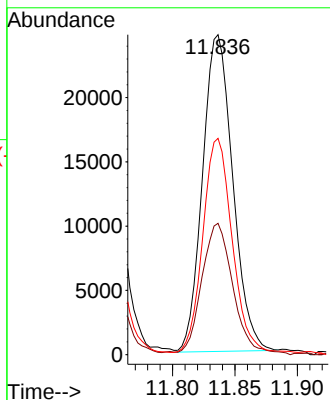
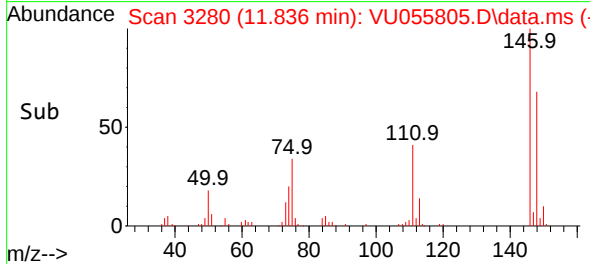
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



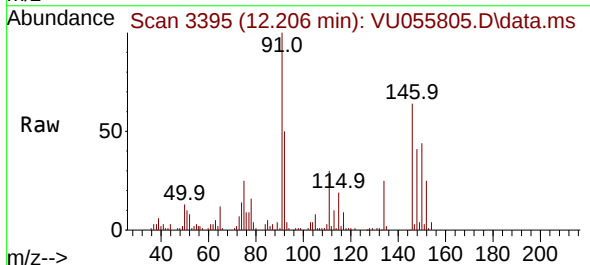
Tgt Ion:146 Resp: 4165
Ion Ratio Lower Upper
146 100
111 42.7 31.6 47.4
148 65.8 50.3 75.5

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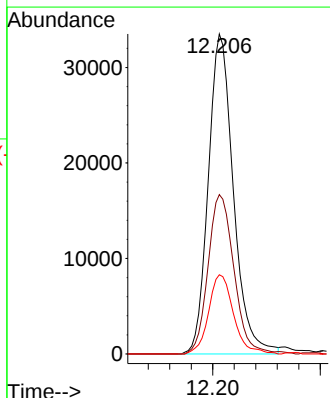
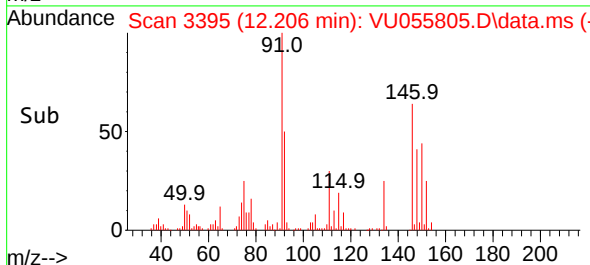
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

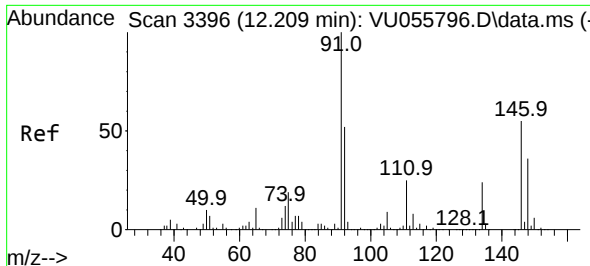


#84
n-Butylbenzene
Concen: 0.697 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55



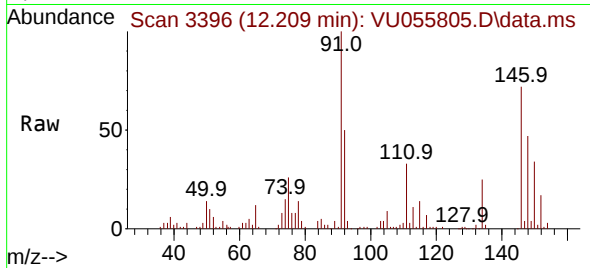
Tgt Ion: 91 Resp: 54400
Ion Ratio Lower Upper
91 100
92 51.4 40.8 61.2
134 24.5 18.4 27.6





#85
1,2-Dichlorobenzene
Concen: 0.772 ug/l
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

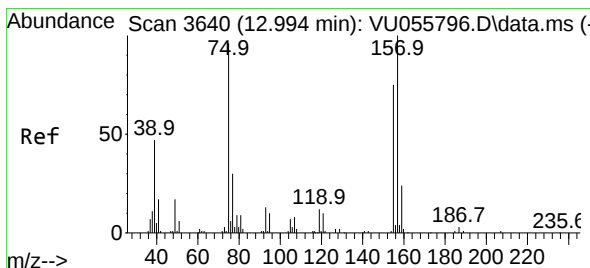
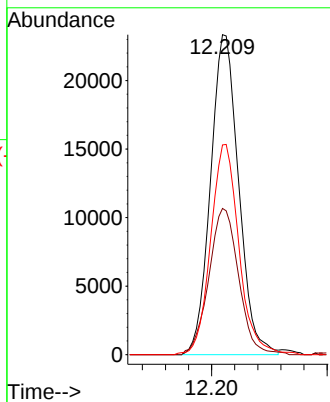
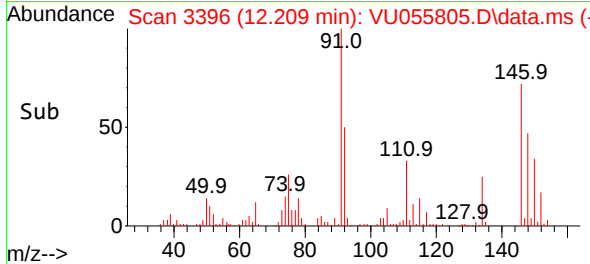
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT4-2023



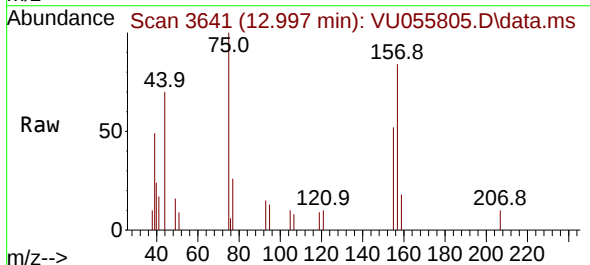
Tgt Ion:146 Resp: 3947
Ion Ratio Lower Upper
146 100
111 48.3 21.6 64.6
148 66.3 32.1 96.5

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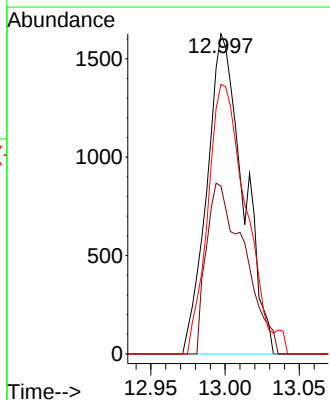
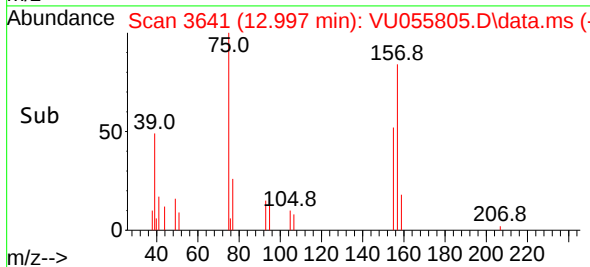
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023

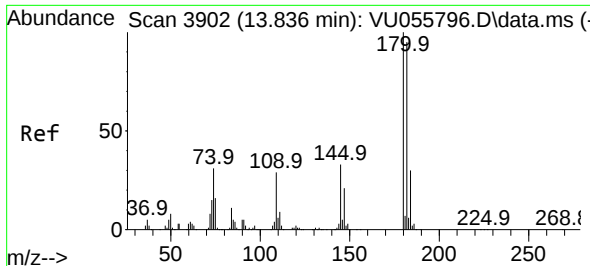


#86
1,2-Dibromo-3-Chloropropane
Concen: 0.875 ug/l
RT: 12.997 min Scan# 3641
Delta R.T. 0.003 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55



Tgt Ion: 75 Resp: 2764
Ion Ratio Lower Upper
75 100
155 55.7 61.8 92.8#
157 88.9 80.2 120.4





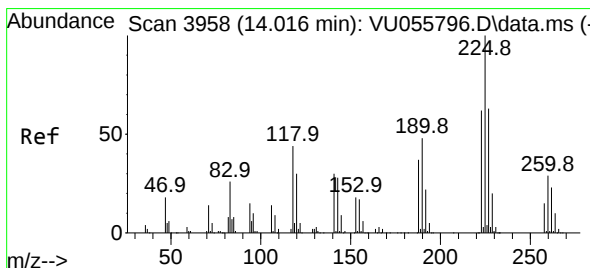
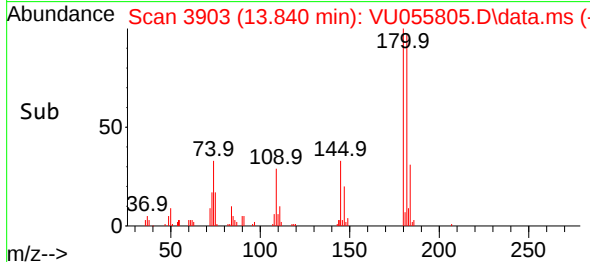
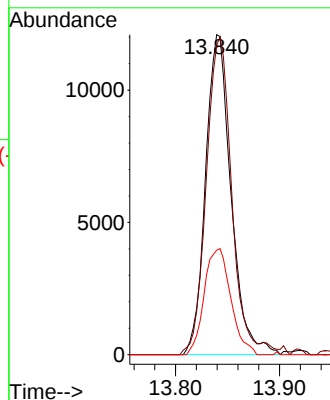
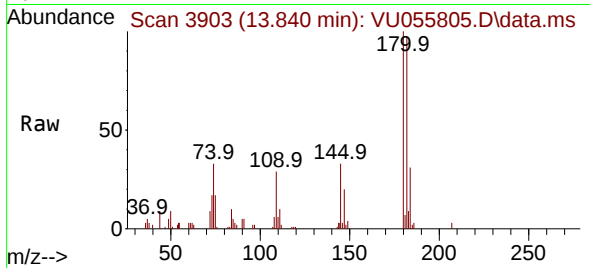
#87
1,2,4-Trichlorobenzene
Concen: 0.743 ug/l
RT: 13.840 min Scan# 3902
Delta R.T. 0.004 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion:180 Resp: 20629
Ion Ratio Lower Upper
180 100
182 97.4 75.8 113.6
145 34.4 23.9 35.9

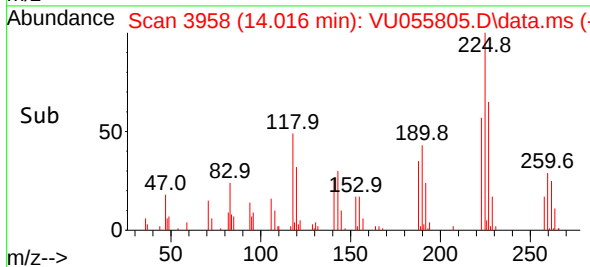
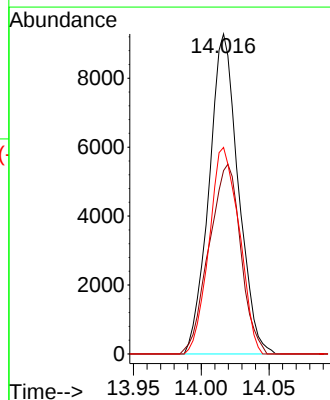
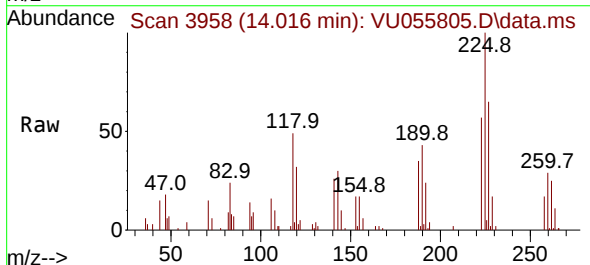
Manual Integrations
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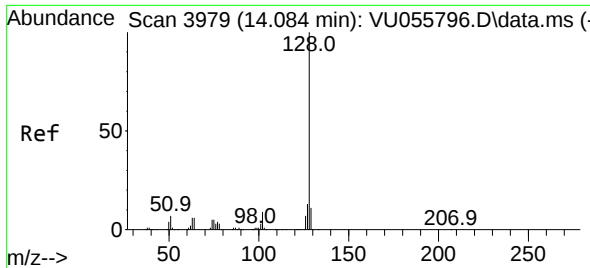
Reviewed By :John Carlone 10/19/2023
Supervised By :Mahesh Dadoda 10/24/2023



#88
Hexachlorobutadiene
Concen: 0.722 ug/l
RT: 14.016 min Scan# 3958
Delta R.T. 0.000 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion:225 Resp: 13926
Ion Ratio Lower Upper
225 100
223 64.2 50.2 75.4
227 66.3 51.5 77.3





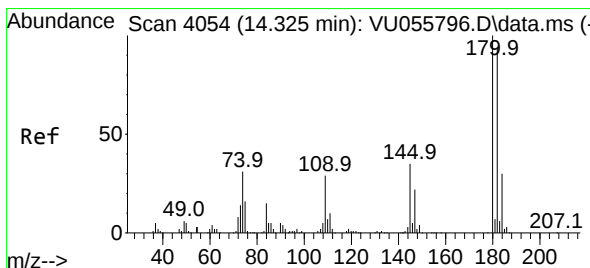
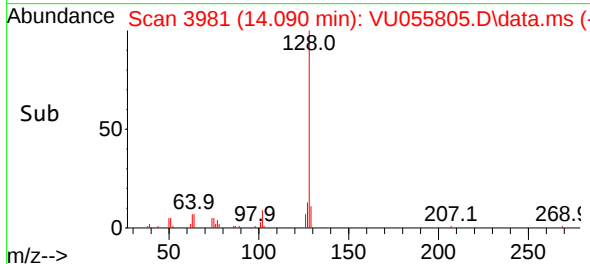
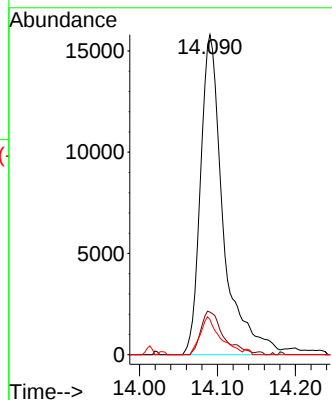
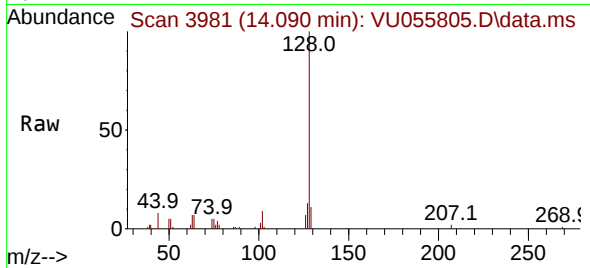
#89
Naphthalene
Concen: 0.795 ug/l
RT: 14.090 min Scan# 3981
Delta R.T. 0.006 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

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

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.9	16.3
129	10.3	8.6	12.8

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



#90
1,2,3-Trichlorobenzene
Concen: 0.758 ug/l
RT: 14.331 min Scan# 4056
Delta R.T. 0.006 min
Lab File: VU055805.D
Acq: 18 Oct 2023 17:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.5	75.7	113.5
145	35.0	26.1	39.1

