

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072423\
 Data File : VU054855.D
 Acq On : 24 Jul 2023 13:01
 Operator : MD/SY
 Sample : 03572-07
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023

Quant Time: Jul 25 05:59:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
 QLast Update : Tue Jul 25 05:02:28 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/25/2023
 Supervised By : Mahesh Dadoda 07/31/2023

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

Internal Standards						
1) Fluorobenzene	6.110	96	26698	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.631	95	7950	0.986	ug/l	0.00
Spiked Amount 1.000			Recovery	=	99.000%	
68) 1,2-Dichlorobenzene-d4	12.193	152	8681	0.930	ug/l	0.00
Spiked Amount 1.000			Recovery	=	93.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	4031	0.759	ug/l	98
3) Chloromethane	1.518	50	5162	0.837	ug/l	98
4) Vinyl Chloride	1.602	62	6158	0.778	ug/l	98
5) Bromomethane	1.856	94	5088	0.905	ug/l	96
6) Chloroethane	1.930	64	5889	0.787	ug/l	99
7) Trichlorofluoromethane	2.133	101	14173	0.738	ug/l	98
8) 1,1,2-Trichloro-1,2,2-...	2.573	101	4634	0.843	ug/l	97
9) 1,1-Dichloroethene	2.576	96	3982	0.867	ug/l	96
10) Iodomethane	2.721	142	5670	0.766	ug/l	100
11) Allyl Chloride	2.924	41	4700	0.872	ug/l	92
12) Acrylonitrile	3.332	53	1334	1.194	ug/l	# 56
13) Acetone	2.657	43	3753	3.918	ug/l	97
14) Carbon Disulfide	2.788	76	5917	0.764	ug/l	# 78
15) Methylene Chloride	3.039	84	7052	0.823	ug/l	94
16) trans-1,2-Dichloroethene	3.354	96	4044	0.792	ug/l	93
17) 1,1-Dichloroethane	3.869	63	8994	0.833	ug/l	# 87
18) 2-Butanone	4.740	43	4009	2.861	ug/l	93
19) Cyclohexane	5.383	56	5078	0.812	ug/l	97
20) Methylcyclohexane	6.763	83	6742	0.812	ug/l	94
21) 2,2-Dichloropropane	4.657	77	7402	0.786	ug/l	98
22) cis-1,2-Dichloroethene	4.663	96	5119	0.792	ug/l	97
23) Diethyl Ether	2.377	59	5616	0.796	ug/l	92
24) tert-Butyl Alcohol	3.255	59	2921m	4.805	ug/l	
25) Methyl tert-Butyl Ether	3.361	73	10676	0.762	ug/l	99
26) Bromochloromethane	4.968	128	1814	0.736	ug/l	80
27) Chloroform	5.084	83	9353	0.788	ug/l	96
28) 1,1,1-Trichloroethane	5.312	97	8286	0.831	ug/l	94
29) 1,1-Dichloropropene	5.521	75	5737	0.809	ug/l	97
30) Carbon Tetrachloride	5.521	117	6404	0.773	ug/l	97
31) Isopropyl Ether	3.991	45	12952	0.810	ug/l	97
32) Ethyl-t-butyl ether	4.499	59	13406	0.816	ug/l	100
33) Tert-Amyl methyl ether	5.936	73	12591	0.815	ug/l	99
34) Propionitrile	4.801	54	667m	1.591	ug/l	
35) Benzene	5.769	78	17919	0.777	ug/l	98
36) 1,2-Dichloroethane	5.788	62	4853	0.733	ug/l	# 92
37) Trichloroethene	6.538	130	5420	0.870	ug/l	85
38) 1,2-Dichloropropane	6.788	63	5145	0.773	ug/l	94
39) Methacrylonitrile	4.988	41	948	0.635	ug/l	# 69
40) Methyl acrylate	4.872	55	1662	0.653	ug/l	# 73
41) Tetrahydrofuran	5.075	42	1347	1.527	ug/l	# 82
42) 1-Chlorobutane	5.457	56	8190m	0.853	ug/l	
43) Dibromomethane	6.917	93	2506	0.809	ug/l	98
44) Bromodichloromethane	7.103	83	6934	0.818	ug/l	# 98

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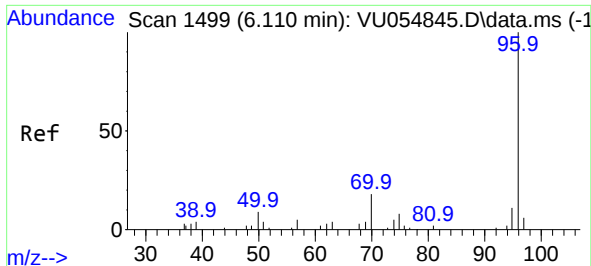
Quant Time: Jul 25 05:59:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U072123DW.M
 Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
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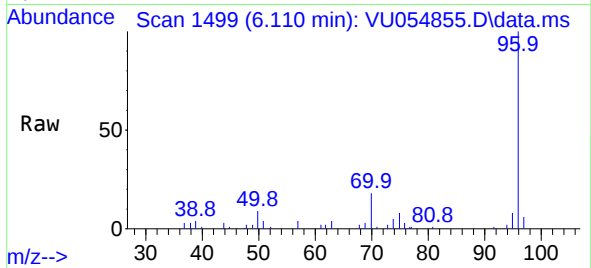
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.791	43	14422	3.936	ug/l	94
46) t-1,4-Dichloro-2-butene	10.840	75	2096m	1.366	ug/l	
47) Methyl methacrylate	6.962	69	4330	1.489	ug/l	95
48) Ethyl methacrylate	8.335	69	4346	0.736	ug/l	98
49) Toluene	7.968	92	11315	0.769	ug/l	95
50) t-1,3-Dichloropropene	8.209	75	5235	0.696	ug/l	98
51) cis-1,3-Dichloropropene	7.608	75	7256	0.794	ug/l	98
52) 1,1,2-Trichloroethane	8.402	97	3833	0.821	ug/l	86
53) 1,3-Dichloropropane	8.573	76	5091	0.647	ug/l	92
54) 2-Hexanone	8.685	43	8510	3.332	ug/l	91
55) Dibromochloromethane	8.804	129	3357m	0.602	ug/l	
56) 1,2-Dibromoethane	8.923	107	3220	0.788	ug/l	97
58) Tetrachloroethene	8.550	164	4449	0.819	ug/l	95
59) Chlorobenzene	9.447	112	14113	0.805	ug/l	95
60) 1,1,1,2-Tetrachloroethane	9.528	131	3946	0.637	ug/l #	76
61) Pentachloroethane	11.425	117	3386	0.695	ug/l	91
62) Hexachloroethane	12.473	117	3694	0.738	ug/l	99
63) Ethyl Benzene	9.566	91	23474	0.785	ug/l #	88
64) m/p-Xylenes	9.689	106	17361	1.536	ug/l	99
65) o-Xylene	10.097	106	9376	0.824	ug/l	87
66) Styrene	10.113	104	13499	0.738	ug/l	98
67) Bromoform	10.287	173	2477	0.824	ug/l #	97
69) Isopropylbenzene	10.479	105	23652	0.766	ug/l	96
70) 1,1,2,2-Tetrachloroethane	10.778	83	4545	0.780	ug/l #	94
71) 1,2,3-Trichloropropane	10.820	75	3089m	0.753	ug/l	
72) Bromobenzene	10.782	156	5694	0.799	ug/l	97
73) n-propylbenzene	10.907	120	6078	0.733	ug/l	95
74) 2-Chlorotoluene	10.988	126	5878	0.814	ug/l	97
75) 1,3,5-Trimethylbenzene	11.084	105	19060	0.758	ug/l	97
76) 4-Chlorotoluene	11.097	126	5906	0.795	ug/l	94
77) tert-Butylbenzene	11.415	119	19321	0.746	ug/l	97
78) 1,2,4-Trimethylbenzene	11.467	105	18592	0.735	ug/l	96
79) sec-Butylbenzene	11.640	105	23956	0.713	ug/l	99
80) Nitrobenzene	13.222	77	588m	3.482	ug/l	
81) p-Isopropyltoluene	11.791	119	19064	0.696	ug/l	98
82) 1,3-Dichlorobenzene	11.746	146	10853	0.761	ug/l	97
83) 1,4-Dichlorobenzene	11.836	146	11353	0.794	ug/l	98
84) n-Butylbenzene	12.206	91	16543	0.657	ug/l	98
85) 1,2-Dichlorobenzene	12.209	146	11012	0.811	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	13.000	75	521	0.682	ug/l	90
87) 1,2,4-Trichlorobenzene	13.836	180	6884	0.790	ug/l	89
88) Hexachlorobutadiene	14.013	225	3544	0.762	ug/l	97
89) Naphthalene	14.087	128	10377	0.737	ug/l	97
90) 1,2,3-Trichlorobenzene	14.325	180	5543	0.736	ug/l	92

(#) = 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. -0.000 min
Lab File: VU054855.D
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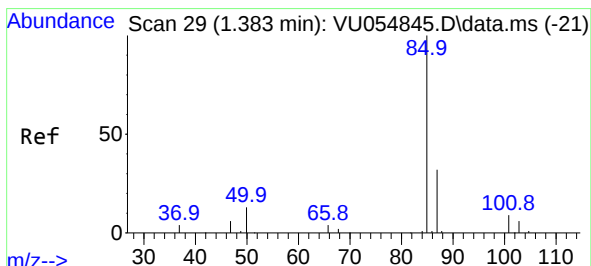
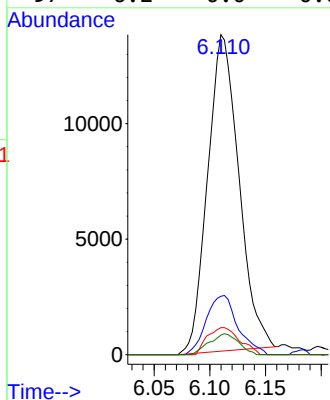
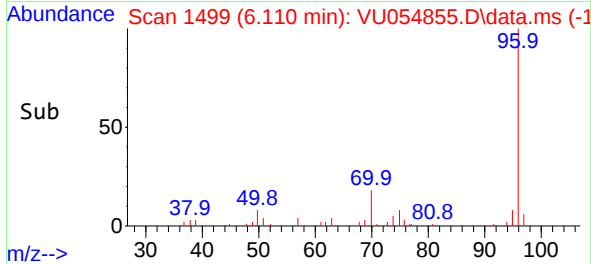
Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



Tgt Ion: 96 Resp: 26698
Ion Ratio Lower Upper
96 100
70 18.9 14.0 21.0
95 8.8 8.7 13.1
97 6.2 0.0 0.0#

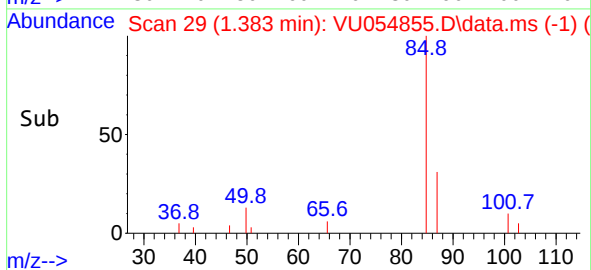
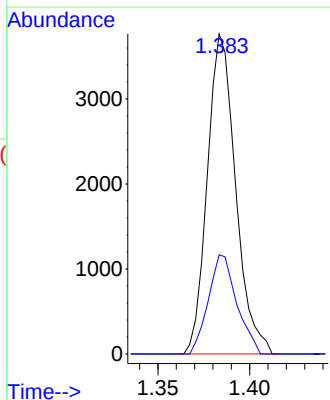
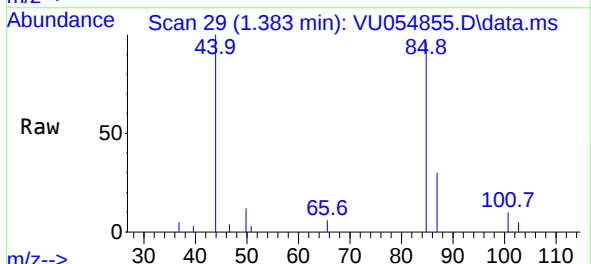
Manual Integrations
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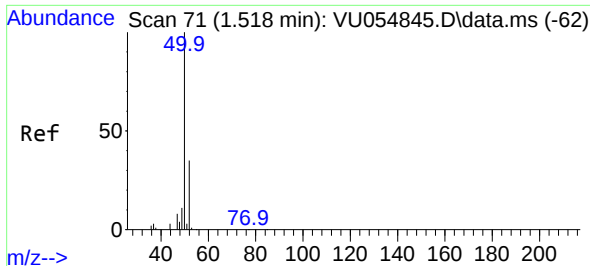
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#2
Dichlorodifluoromethane
Concen: 0.759 ug/l
RT: 1.383 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

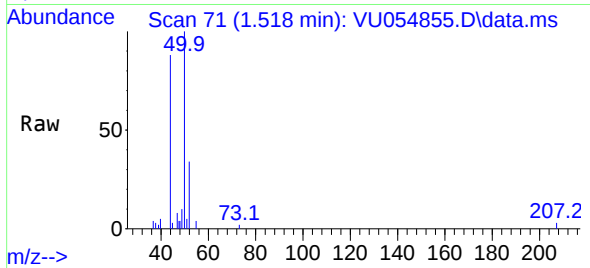
Tgt Ion: 85 Resp: 4031
Ion Ratio Lower Upper
85 100
87 31.0 16.2 48.6





#3
Chloromethane
Concen: 0.837 ug/l
RT: 1.518 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

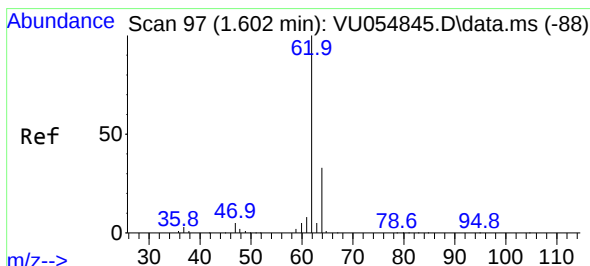
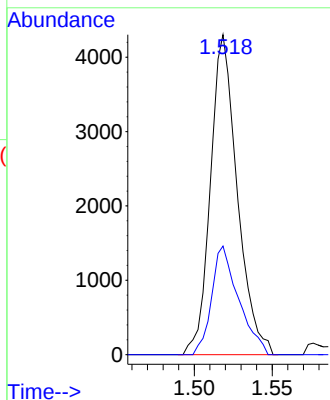
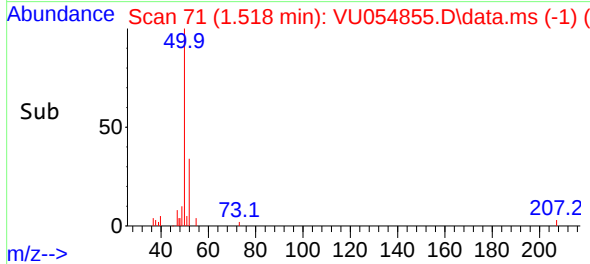
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



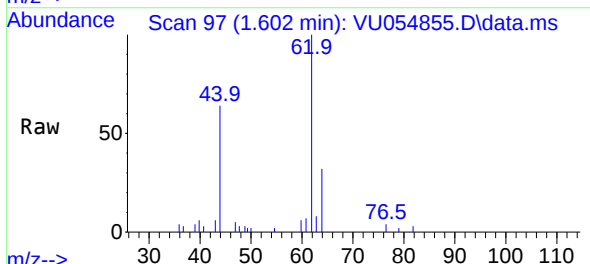
Tgt Ion: 50 Resp: 5162
Ion Ratio Lower Upper
50 100
52 34.0 28.2 42.2

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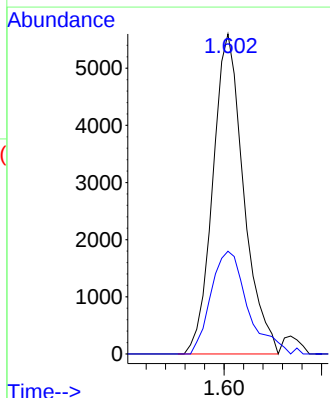
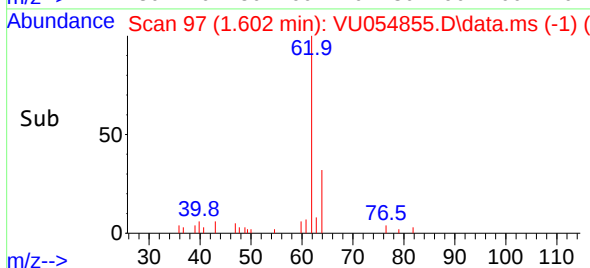
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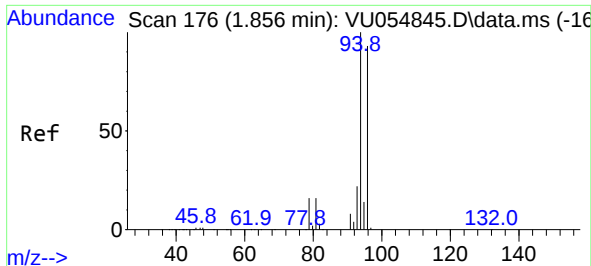


#4
Vinyl Chloride
Concen: 0.778 ug/l
RT: 1.602 min Scan# 97
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



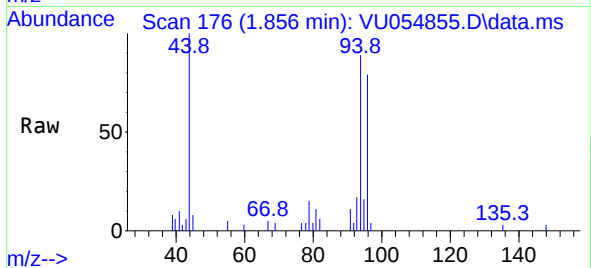
Tgt Ion: 62 Resp: 6158
Ion Ratio Lower Upper
62 100
64 32.1 26.4 39.6





#5
Bromomethane
Concen: 0.905 ug/l
RT: 1.856 min Scan# 176
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

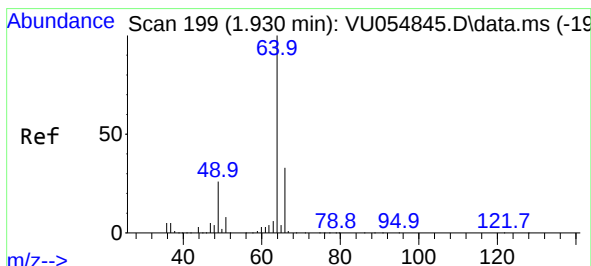
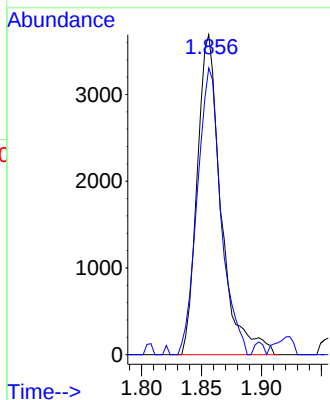
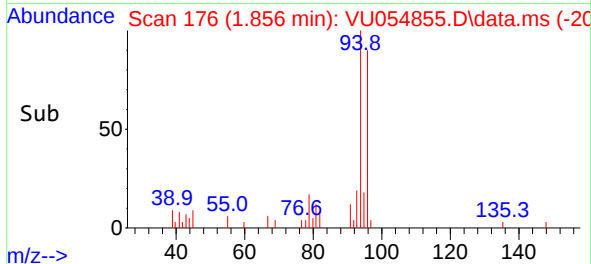
Instrument :
MSVOA_U
ClientSampleId :
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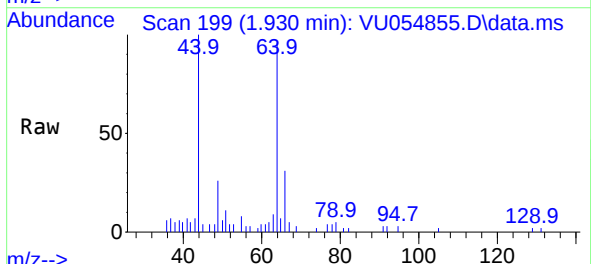
Tgt Ion: 94 Resp: 5088
Ion Ratio Lower Upper
94 100
96 89.6 74.6 111.8

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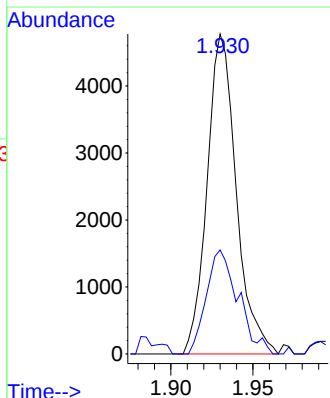
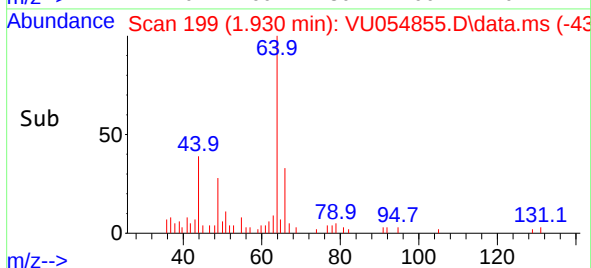
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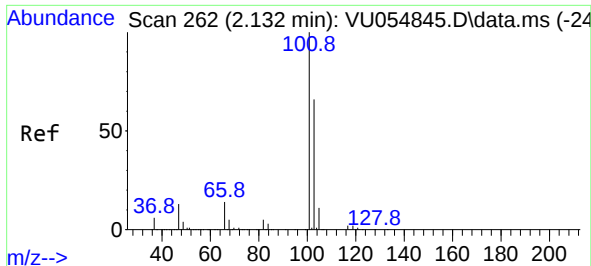


#6
Chloroethane
Concen: 0.787 ug/l
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



Tgt Ion: 64 Resp: 5889
Ion Ratio Lower Upper
64 100
66 32.5 26.2 39.4





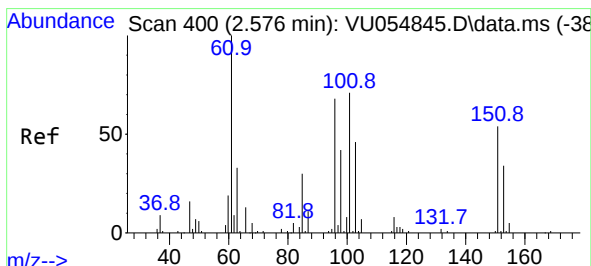
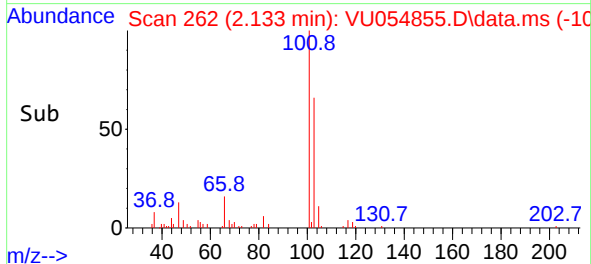
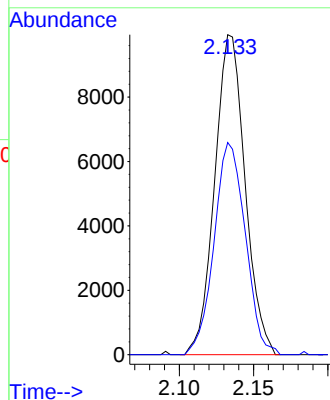
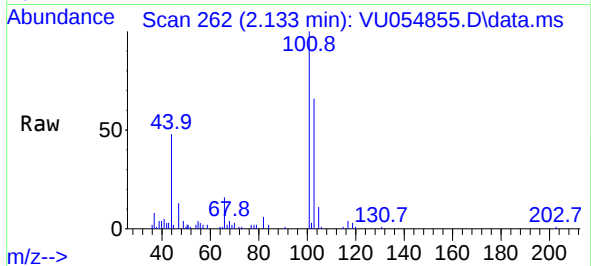
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Trichlorofluoromethane
Concen: 0.738 ug/l
RT: 2.133 min Scan# 201
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

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ClientSampleId :
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Tgt Ion:101 Resp: 1417
Ion Ratio Lower Upper
101 100
103 64.3 52.9 79.3

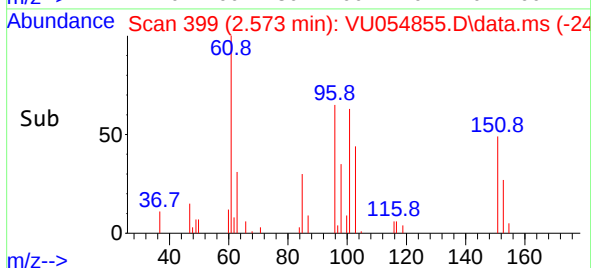
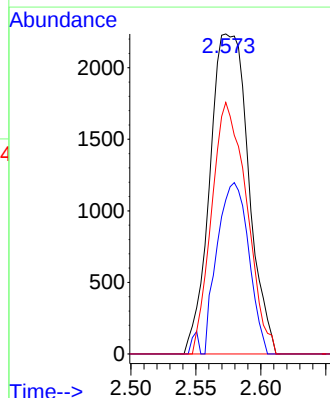
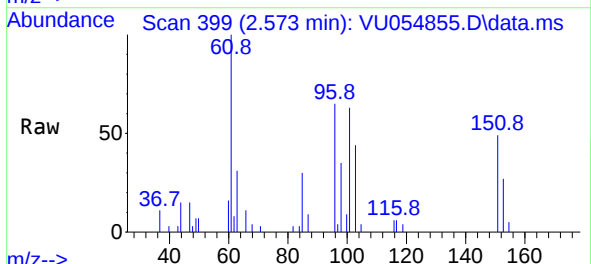
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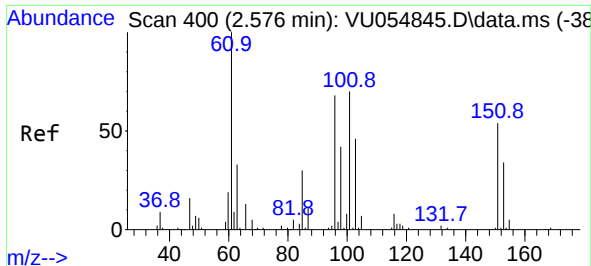
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#8
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.843 ug/l
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion:101 Resp: 4634
Ion Ratio Lower Upper
101 100
85 43.5 34.8 52.2
151 71.1 60.5 90.7





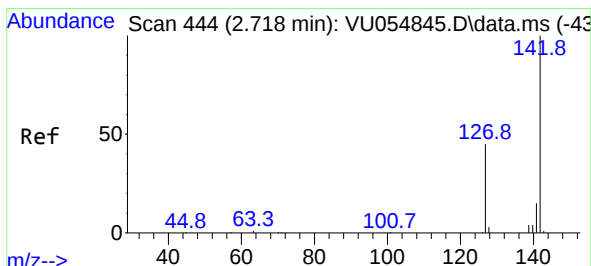
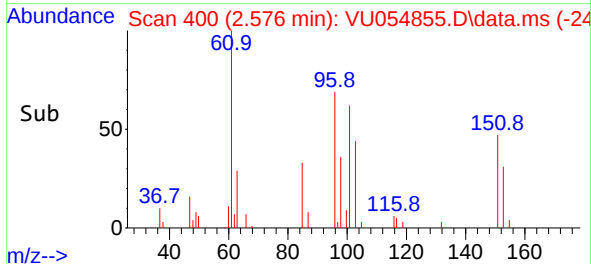
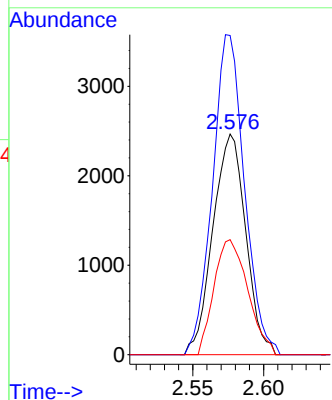
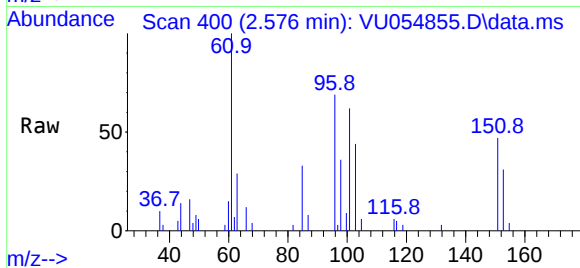
#9
1,1-Dichloroethene
Concen: 0.867 ug/l
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 96 Resp: 398
Ion Ratio Lower Upper
96 100
61 144.7 0.0 440.1
98 52.2 0.0 121.8

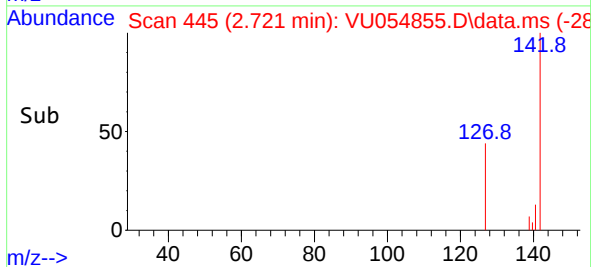
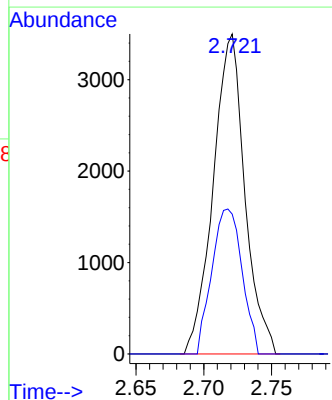
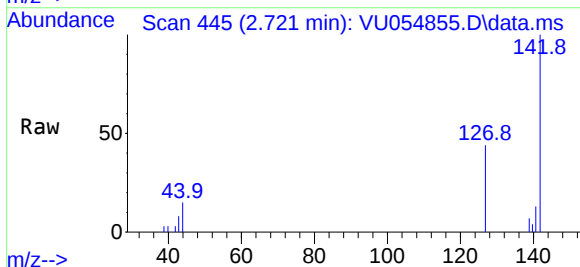
Manual Integrations
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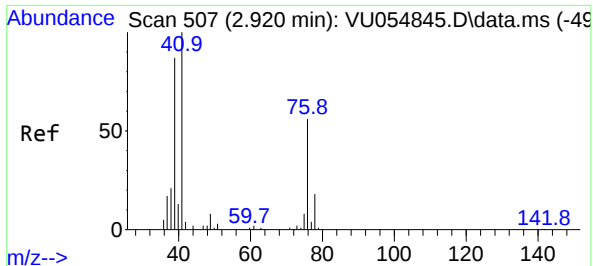
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#10
Iodomethane
Concen: 0.766 ug/l
RT: 2.721 min Scan# 445
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion:142 Resp: 5670
Ion Ratio Lower Upper
142 100
127 43.1 34.3 51.5





#11

Allyl Chloride

Concen: 0.872 ug/l

RT: 2.924 min Scan# 507

Delta R.T. 0.003 min

Lab File: VU054855.D

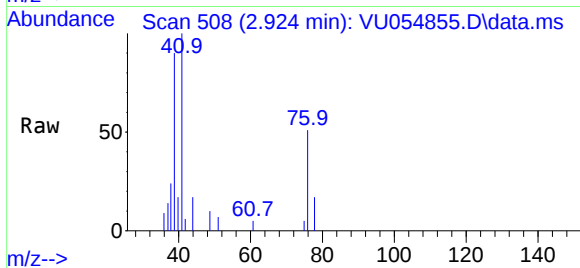
Acq: 24 Jul 2023 13:01

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2023



Tgt Ion: 41 Resp: 4700

Ion Ratio Lower Upper

41 100

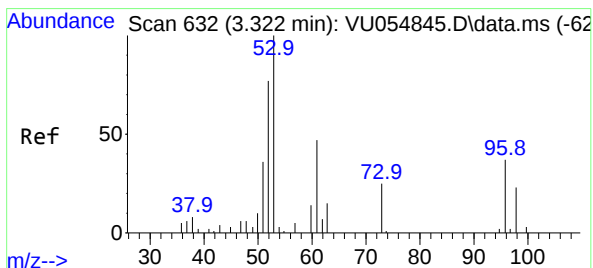
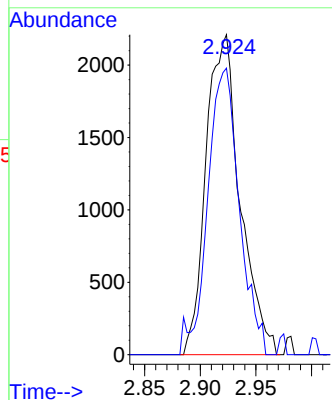
39 80.7 70.2 105.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#12

Acrylonitrile

Concen: 1.194 ug/l

RT: 3.332 min Scan# 635

Delta R.T. 0.010 min

Lab File: VU054855.D

Acq: 24 Jul 2023 13:01

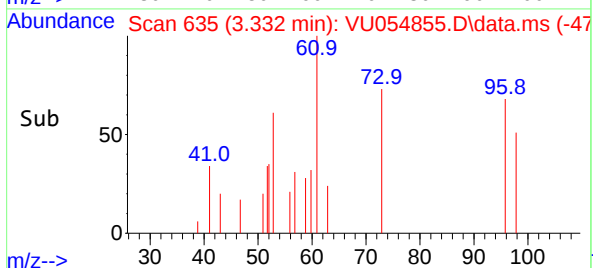
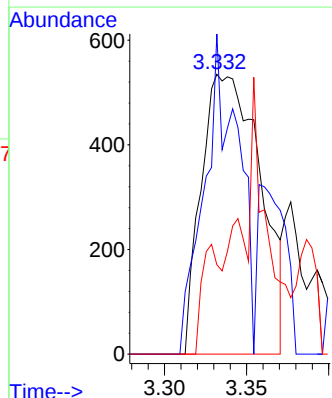
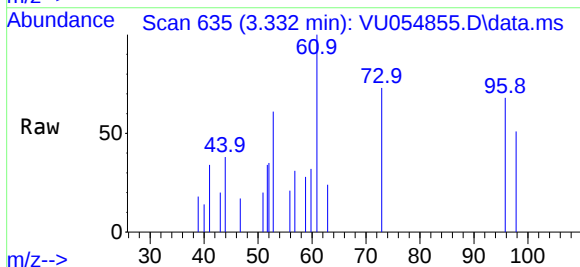
Tgt Ion: 53 Resp: 1334

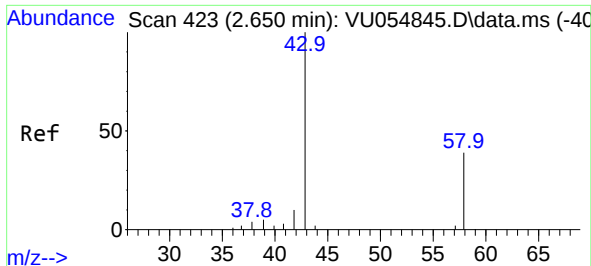
Ion Ratio Lower Upper

53 100

52 42.2 64.2 96.4#

51 12.6 33.6 50.4#





#13

Acetone

Concen: 3.918 ug/l

RT: 2.657 min Scan# 41

Delta R.T. 0.007 min

Lab File: VU054855.D

Acq: 24 Jul 2023 13:01

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 43 Resp: 375

Ion Ratio Lower Upper

43 100

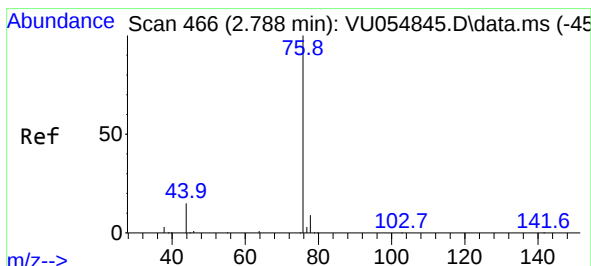
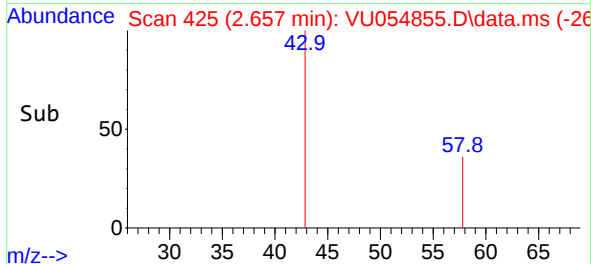
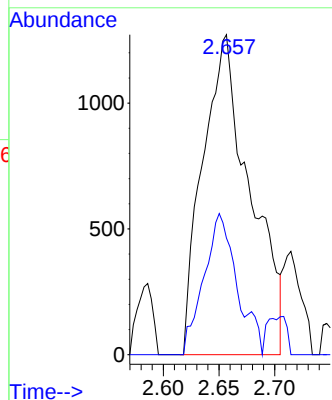
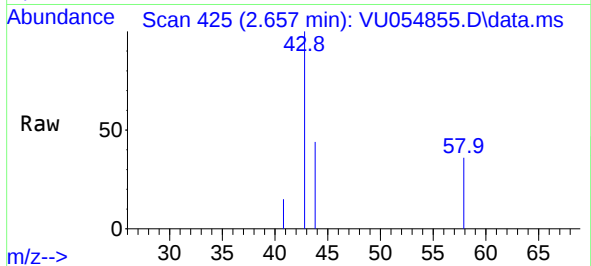
58 36.5 30.7 46.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#14

Carbon Disulfide

Concen: 0.764 ug/l

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU054855.D

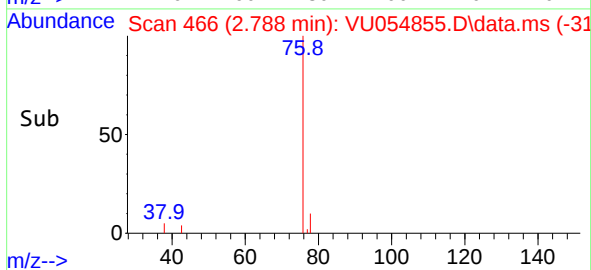
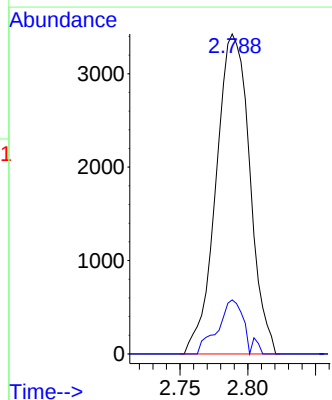
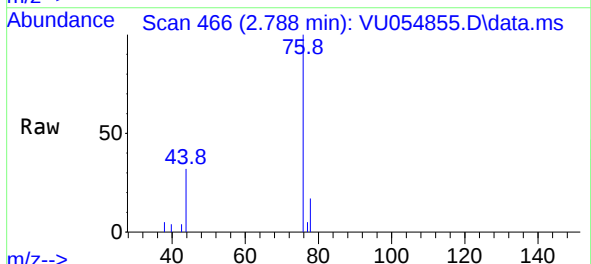
Acq: 24 Jul 2023 13:01

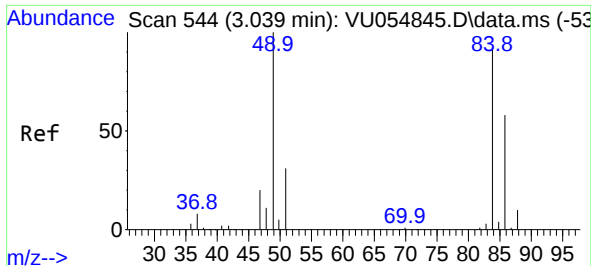
Tgt Ion: 76 Resp: 5917

Ion Ratio Lower Upper

76 100

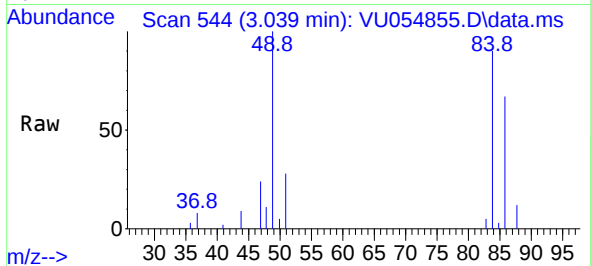
78 16.9 7.1 10.7#





#15
Methylene Chloride
Concen: 0.823 ug/l
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

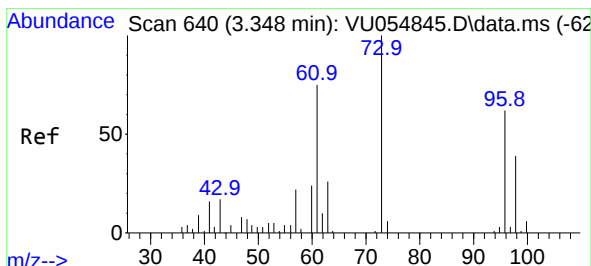
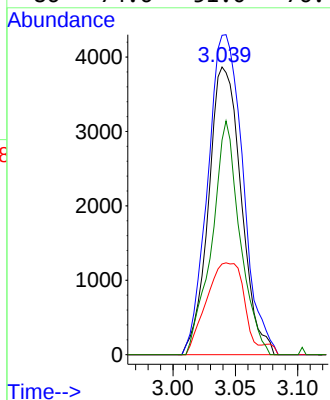
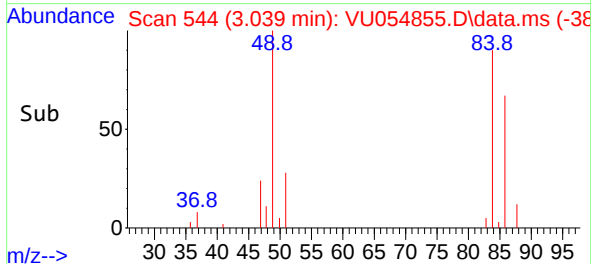
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



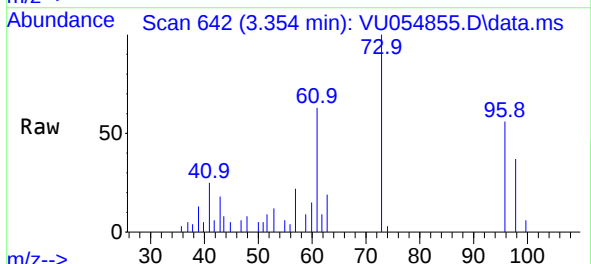
Tgt Ion: 84 Resp: 7052
Ion Ratio Lower Upper
84 100
49 111.0 87.8 131.6
51 31.5 0.0 68.2
86 74.6 51.0 76.4

Manual Integrations
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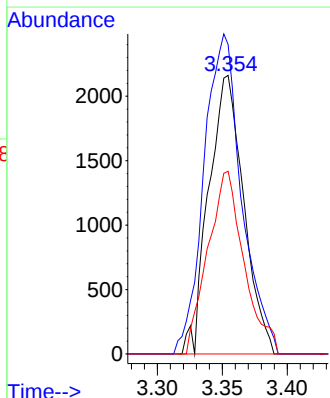
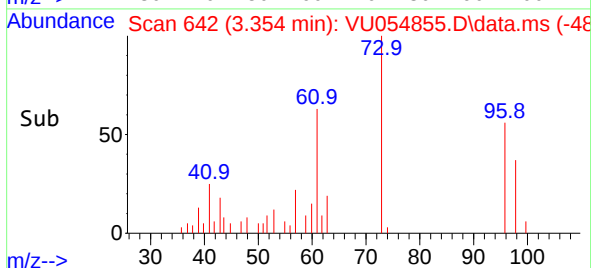
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

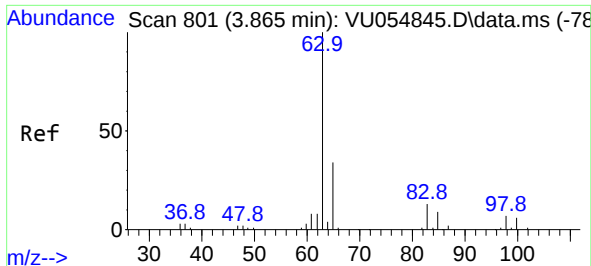


#16
trans-1,2-Dichloroethene
Concen: 0.792 ug/l
RT: 3.354 min Scan# 642
Delta R.T. 0.007 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



Tgt Ion: 96 Resp: 4044
Ion Ratio Lower Upper
96 100
61 111.1 96.4 144.6
98 65.6 49.3 73.9





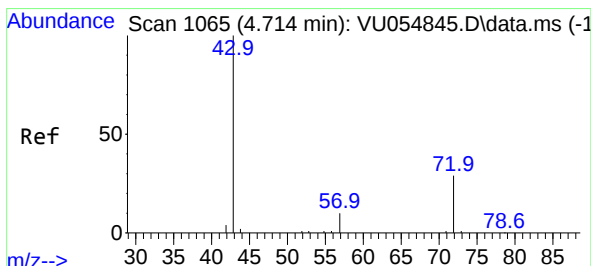
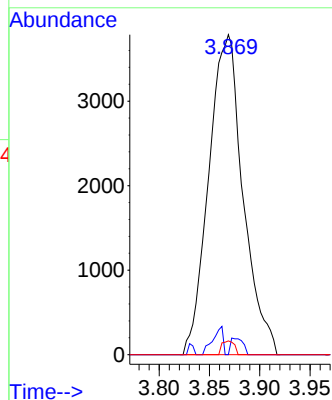
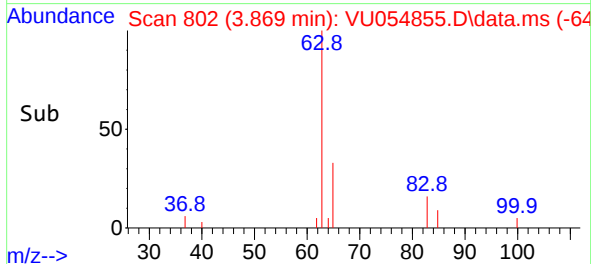
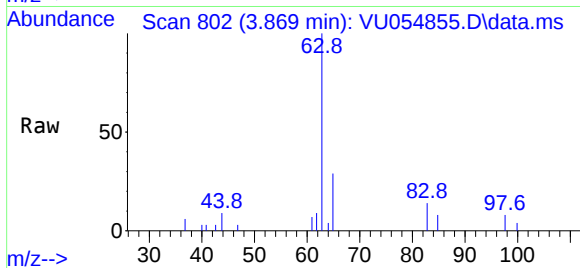
#17
1,1-Dichloroethane
Concen: 0.833 ug/l
RT: 3.869 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 63 Resp: 8994
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8
100 4.3 2.8 8.4

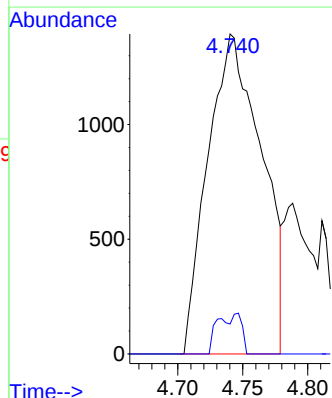
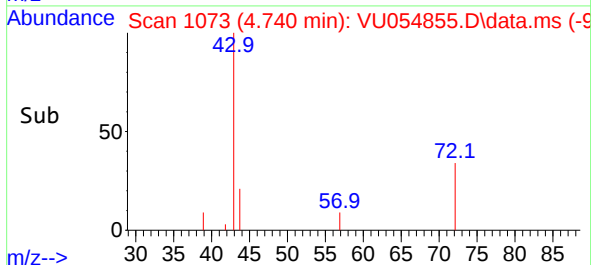
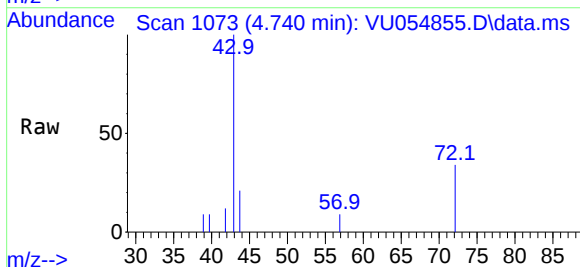
Manual Integrations
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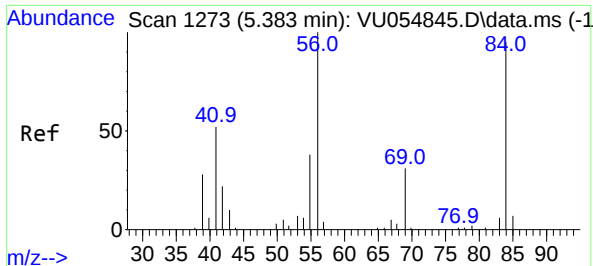
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#18
2-Butanone
Concen: 2.861 ug/l
RT: 4.740 min Scan# 1073
Delta R.T. 0.026 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

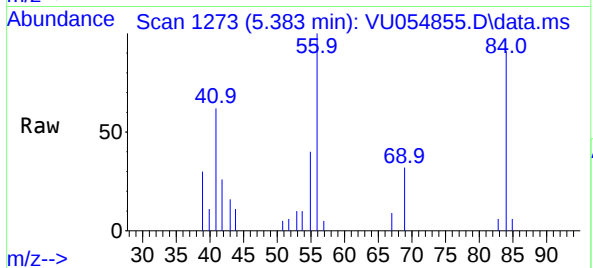
Tgt Ion: 43 Resp: 4009
Ion Ratio Lower Upper
43 100
57 7.7 0.0 20.8





#19
Cyclohexane
Concen: 0.812 ug/l
RT: 5.383 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

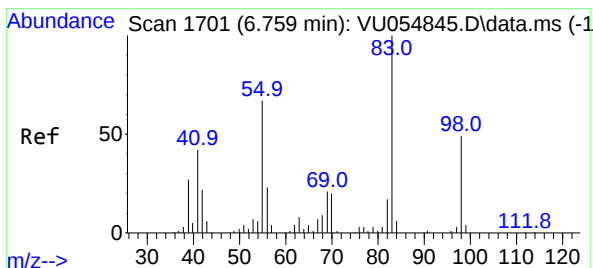
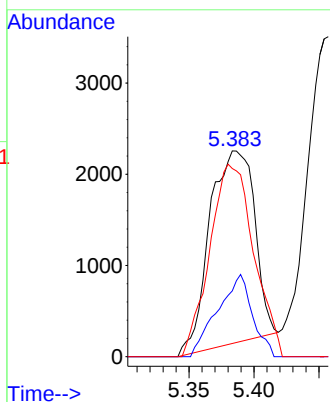
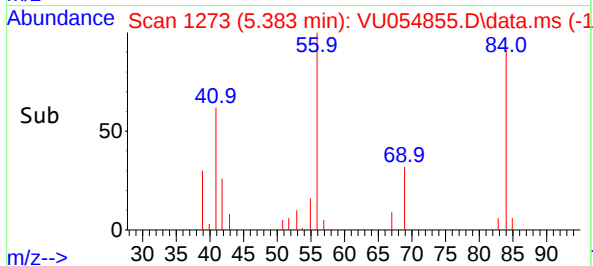
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



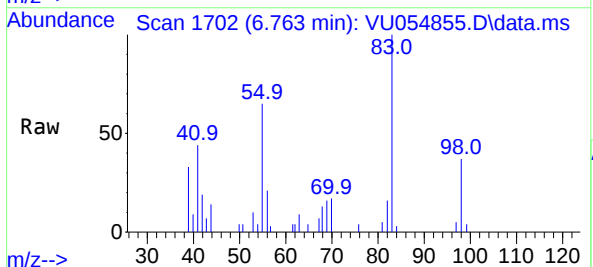
Tgt Ion: 56 Resp: 5078
Ion Ratio Lower Upper
56 100
69 33.0 24.7 37.1
84 98.0 76.5 114.7

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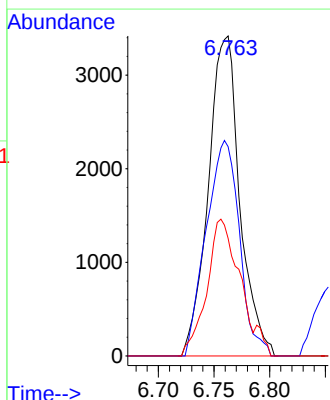
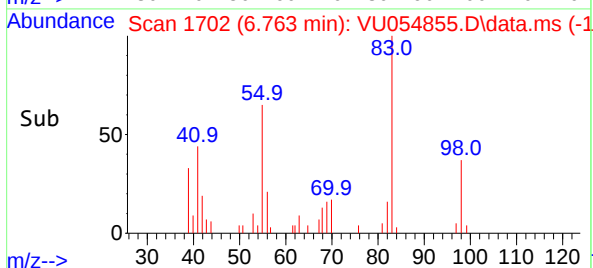
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

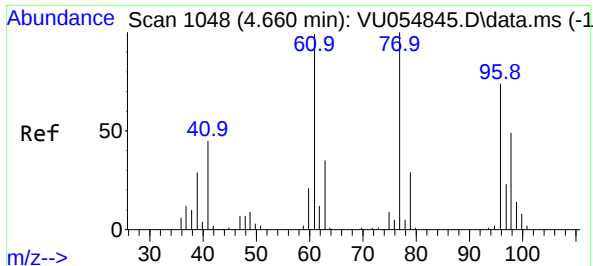


#20
Methylcyclohexane
Concen: 0.812 ug/l
RT: 6.763 min Scan# 1702
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



Tgt Ion: 83 Resp: 6742
Ion Ratio Lower Upper
83 100
55 71.1 51.6 77.4
98 45.4 38.2 57.2





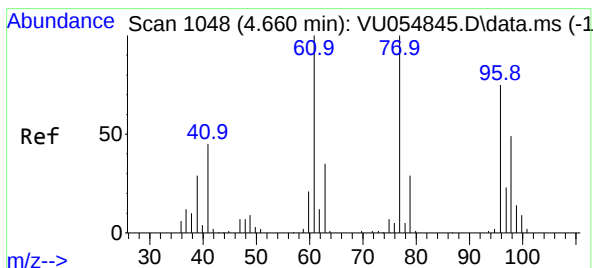
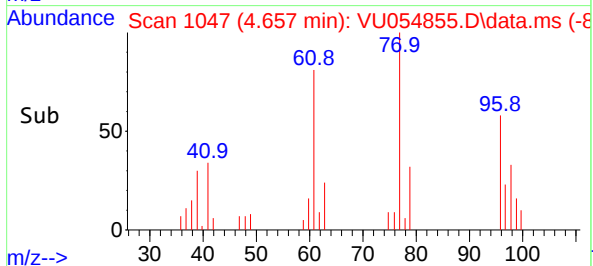
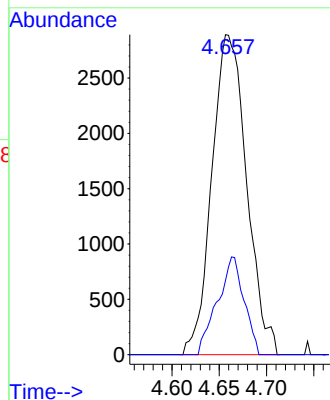
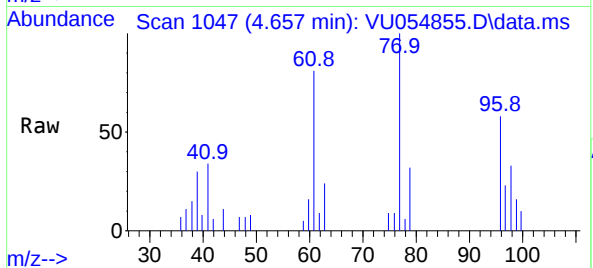
#21
2,2-Dichloropropane
Concen: 0.786 ug/l
RT: 4.657 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 77 Resp: 740
Ion Ratio Lower Upper
77 100
97 23.3 18.0 27.0

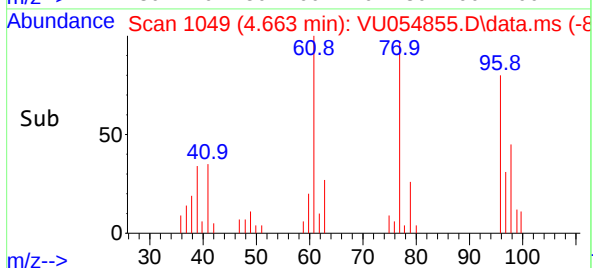
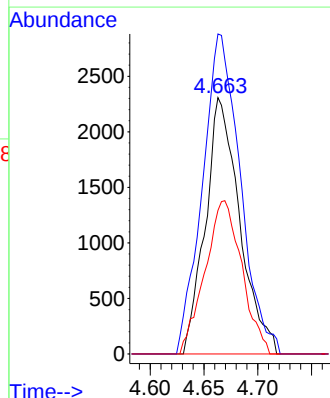
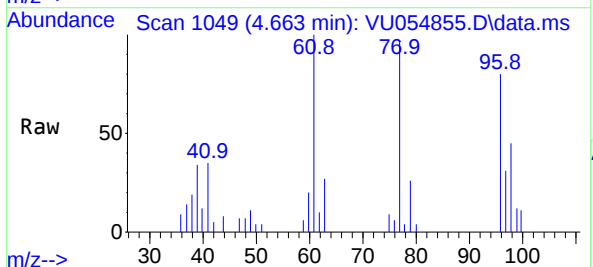
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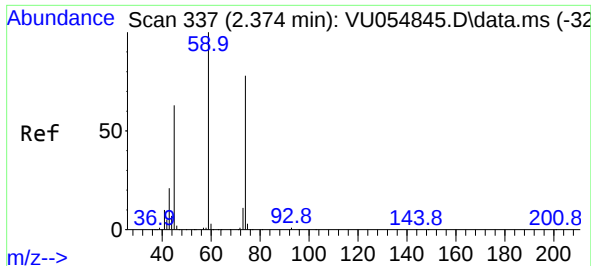
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#22
cis-1,2-Dichloroethene
Concen: 0.792 ug/l
RT: 4.663 min Scan# 1049
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

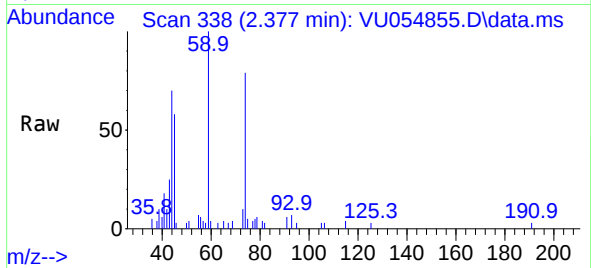
Tgt Ion: 96 Resp: 5119
Ion Ratio Lower Upper
96 100
61 137.6 0.0 332.0
98 64.0 32.5 97.5





#23
Diethyl Ether
Concen: 0.796 ug/l
RT: 2.377 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

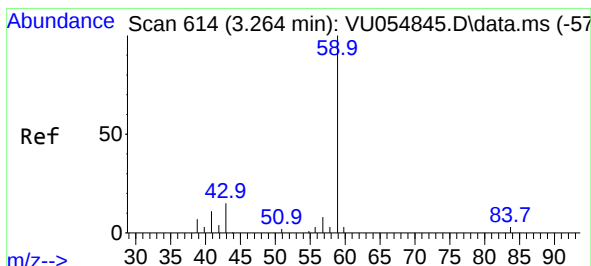
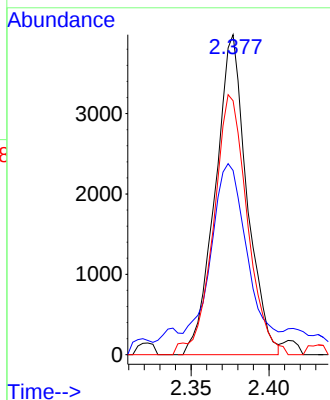
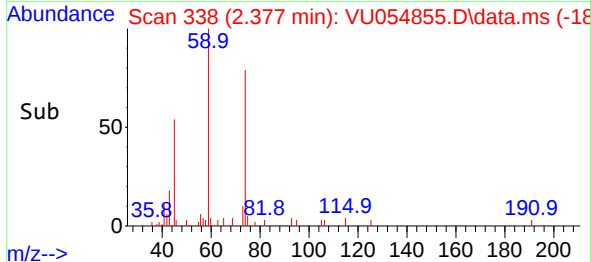
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



Tgt Ion: 59 Resp: 5610
Ion Ratio Lower Upper
59 100
45 59.3 51.4 77.0
74 86.6 63.1 94.7

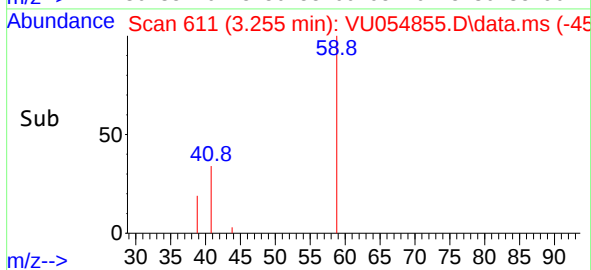
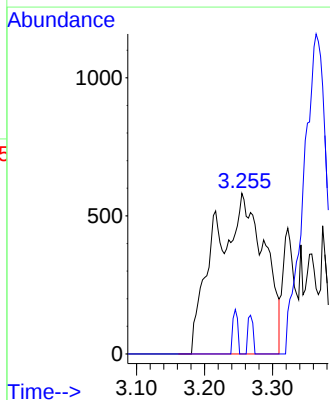
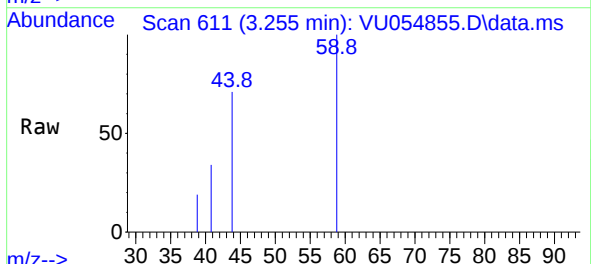
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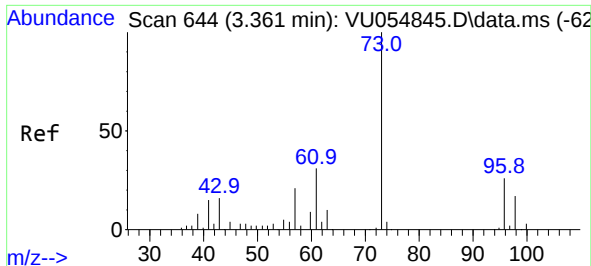
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#24
tert-Butyl Alcohol
Concen: 4.805 ug/l m
RT: 3.255 min Scan# 611
Delta R.T. -0.009 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

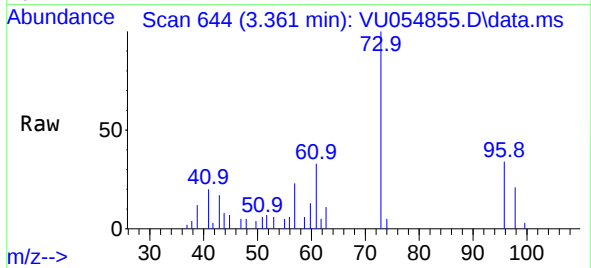
Tgt Ion: 59 Resp: 2921
Ion Ratio Lower Upper
59 100
57 0.0 2.2 3.2#





#25
Methyl tert-Butyl Ether
Concen: 0.762 ug/l
RT: 3.361 min Scan# 644
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

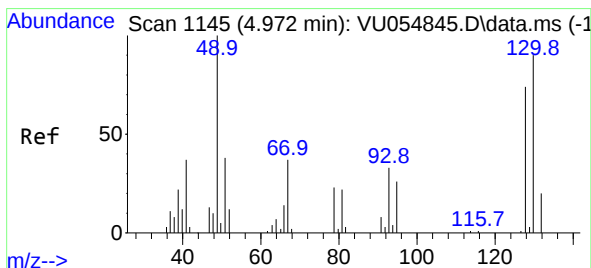
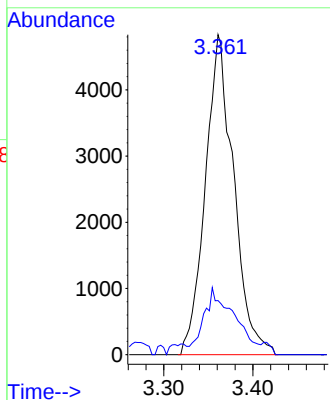
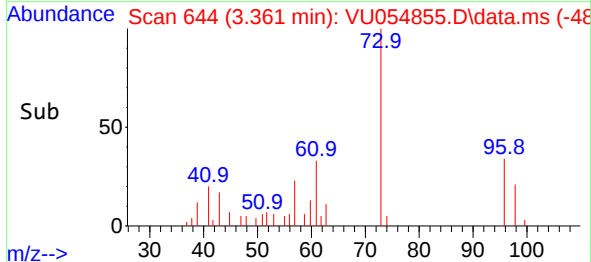
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



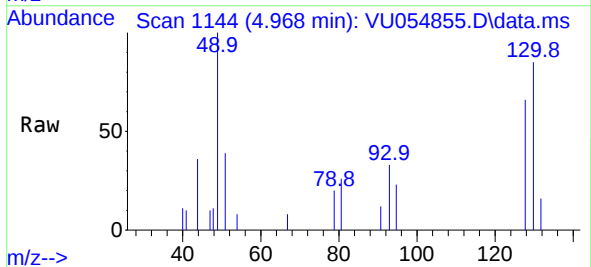
Tgt Ion: 73 Resp: 10670
Ion Ratio Lower Upper
73 100
43 17.7 14.6 22.0

Manual Integrations
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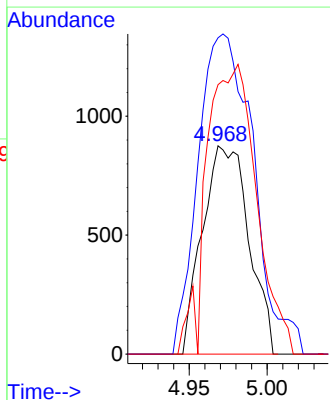
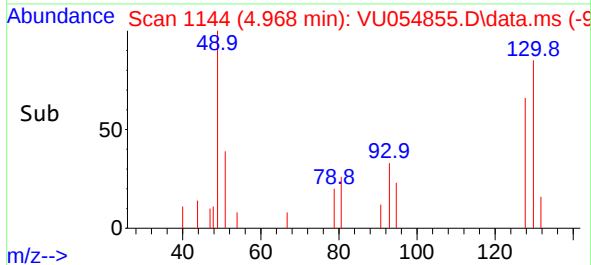
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

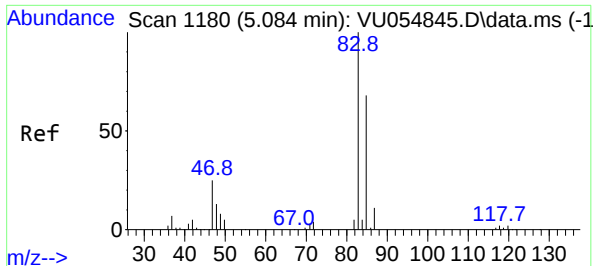


#26
Bromochloromethane
Concen: 0.736 ug/l
RT: 4.968 min Scan# 1144
Delta R.T. -0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



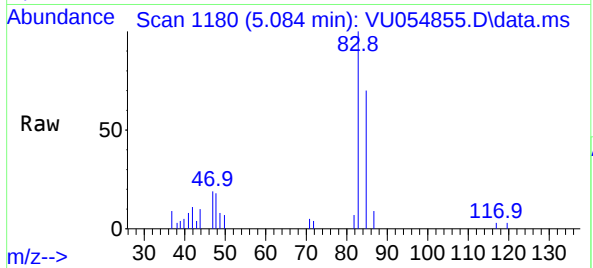
Tgt Ion:128 Resp: 1814
Ion Ratio Lower Upper
128 100
49 182.8 0.0 304.0
130 149.4 104.3 156.5





#27
Chloroform
Concen: 0.788 ug/l
RT: 5.084 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

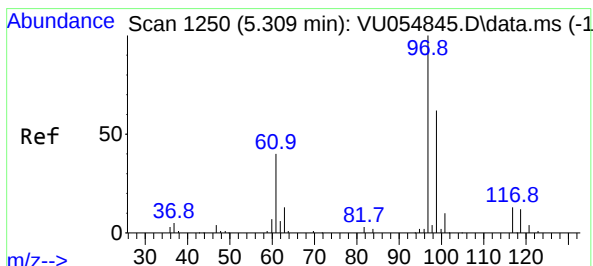
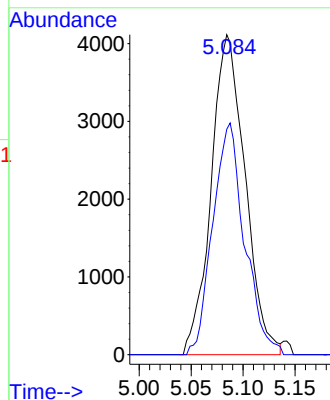
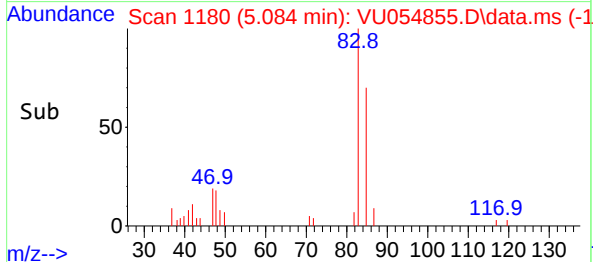
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



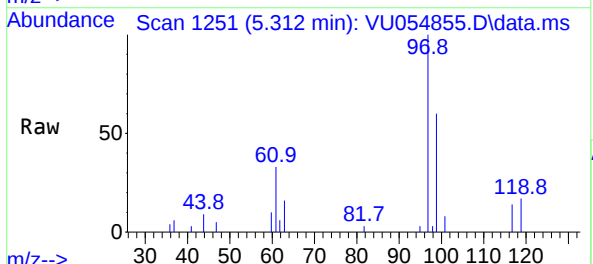
Tgt Ion: 83 Resp: 935
Ion Ratio Lower Upper
83 100
85 70.5 0.0 135.2

Manual Integrations
APPROVED

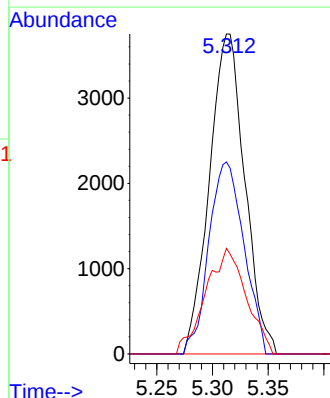
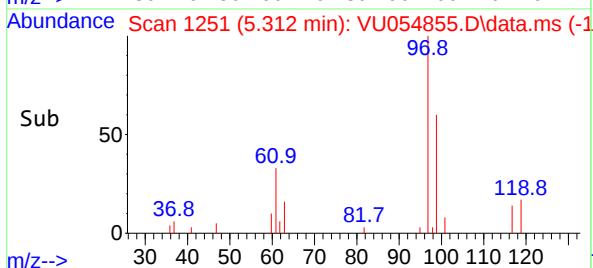
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

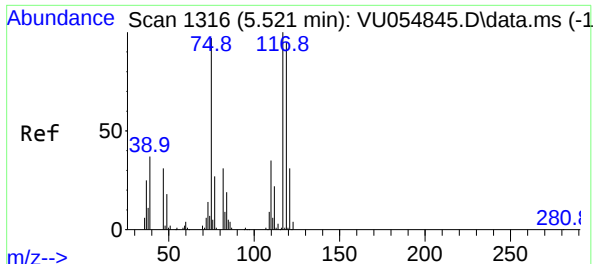


#28
1,1,1-Trichloroethane
Concen: 0.831 ug/l
RT: 5.312 min Scan# 1251
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



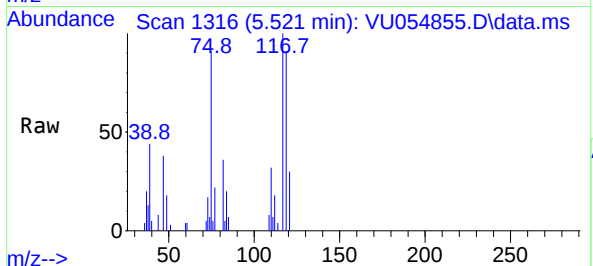
Tgt Ion: 97 Resp: 8286
Ion Ratio Lower Upper
97 100
99 59.6 32.0 96.2
61 37.8 21.0 63.0





#29
1,1-Dichloropropene
Concen: 0.809 ug/l
RT: 5.521 min Scan# 1316
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

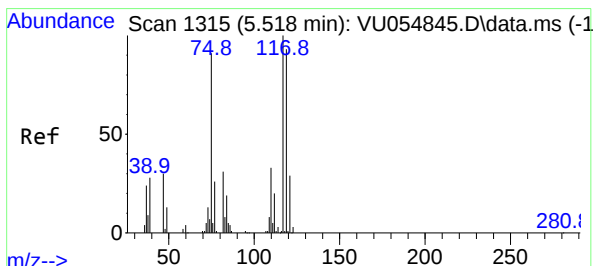
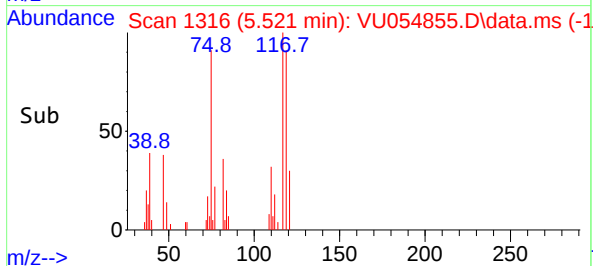
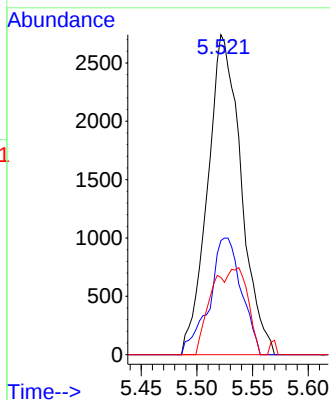


Tgt Ion: 75 Resp: 573

Ion	Ratio	Lower	Upper
75	100		
110	34.9	18.5	55.5
77	29.5	24.9	37.3

Manual Integrations
APPROVED

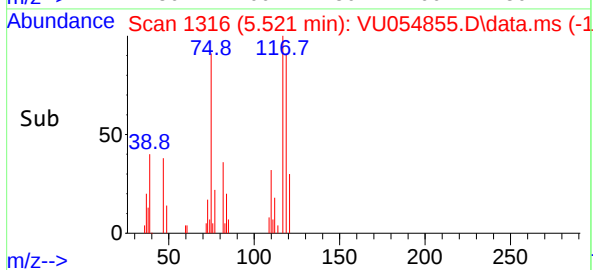
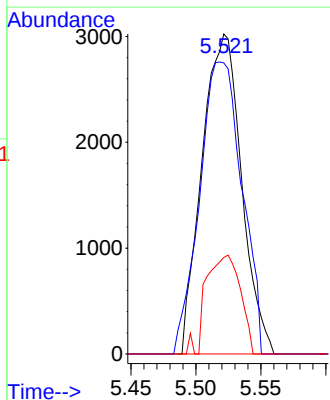
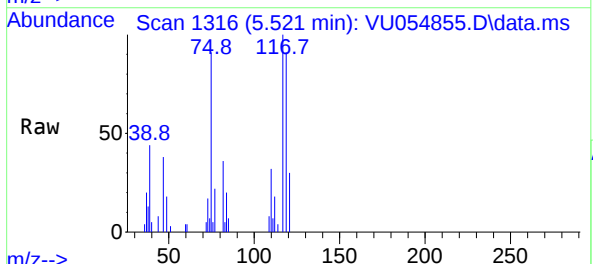
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

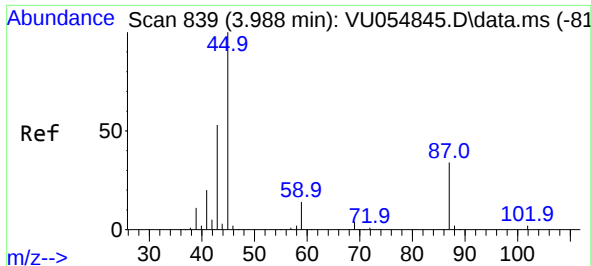


#30
Carbon Tetrachloride
Concen: 0.773 ug/l
RT: 5.521 min Scan# 1316
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion: 117 Resp: 6404

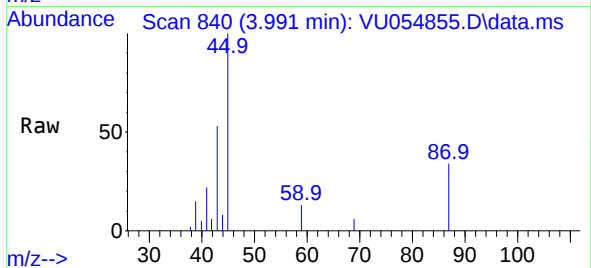
Ion	Ratio	Lower	Upper
117	100		
119	90.9	75.6	113.4
121	30.2	23.4	35.0





#31
Isopropyl Ether
Concen: 0.810 ug/l
RT: 3.991 min Scan# 840
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

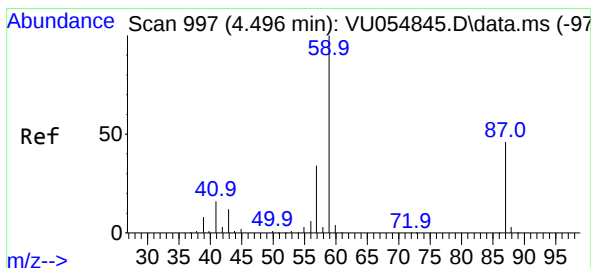
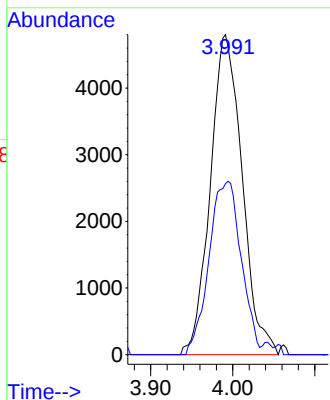
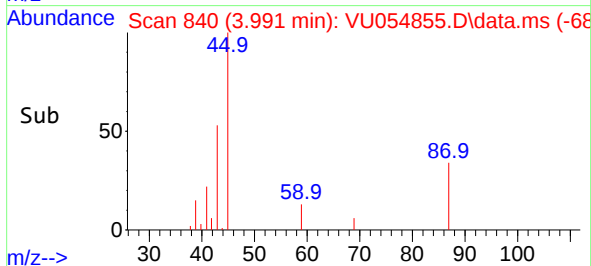
Instrument :
MSVOA_U
Client SampleId :
LOD-MDL-WATER-01-QT3-2023



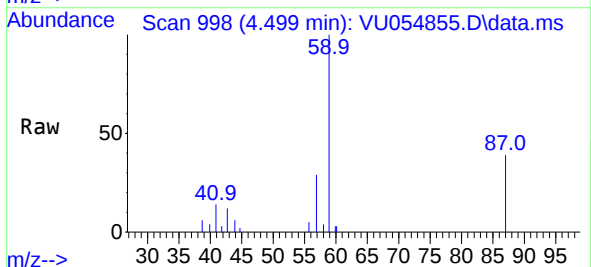
Tgt Ion: 45 Resp: 12952
Ion Ratio Lower Upper
45 100
43 54.8 26.4 79.2

Manual Integrations
APPROVED

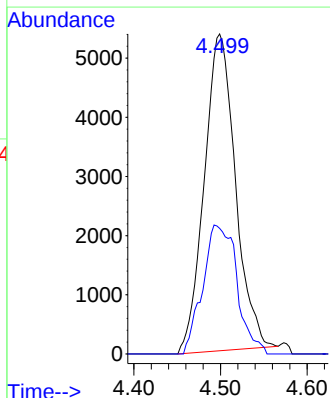
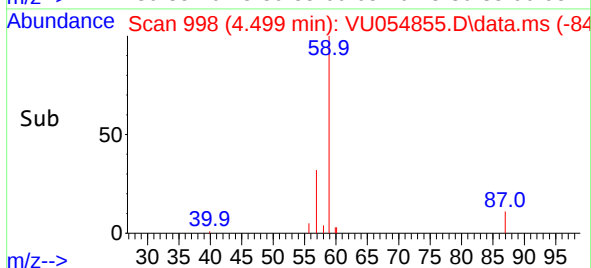
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

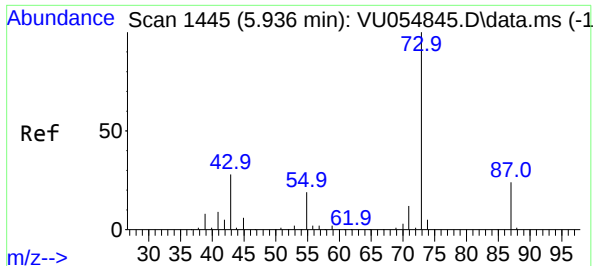


#32
Ethyl-t-butyl ether
Concen: 0.816 ug/l
RT: 4.499 min Scan# 998
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



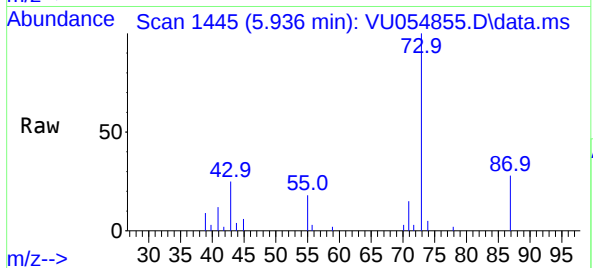
Tgt Ion: 59 Resp: 13406
Ion Ratio Lower Upper
59 100
87 44.5 35.7 53.5





#33
Tert-Amyl methyl ether
Concen: 0.815 ug/l
RT: 5.936 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

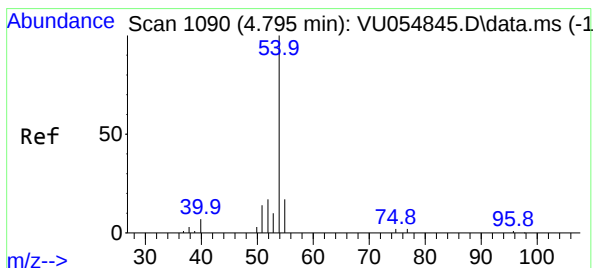
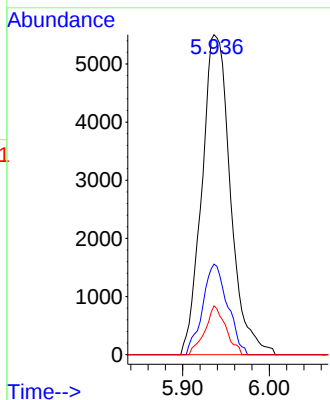
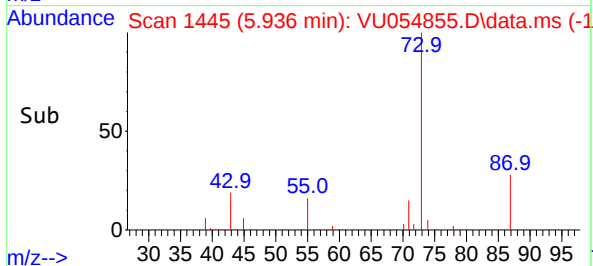
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



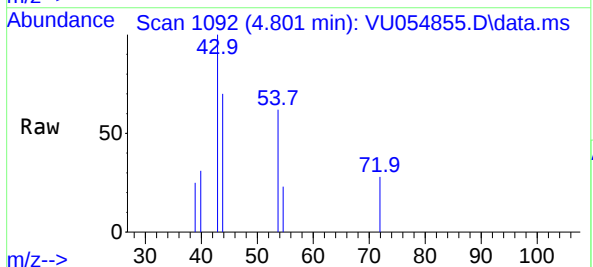
Tgt Ion: 73 Resp: 1259
Ion Ratio Lower Upper
73 100
87 24.8 19.6 29.4
71 11.2 9.1 13.7

Manual Integrations
APPROVED

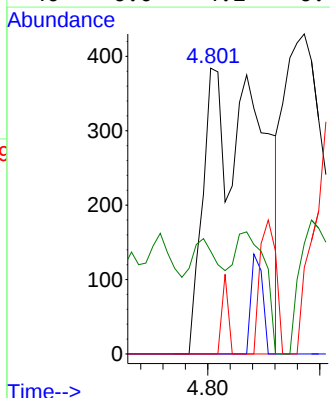
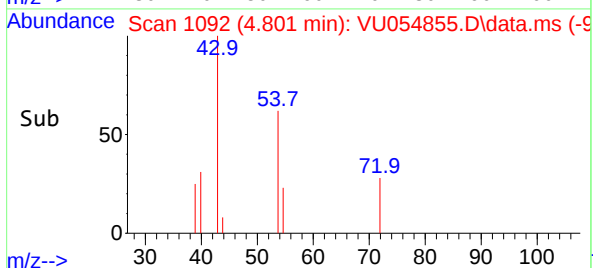
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

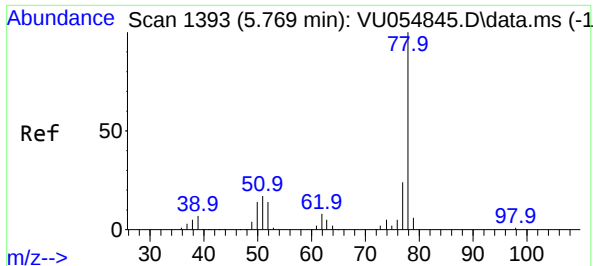


#34
Propionitrile
Concen: 1.591 ug/l m
RT: 4.801 min Scan# 1092
Delta R.T. 0.006 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



Tgt Ion: 54 Resp: 667
Ion Ratio Lower Upper
54 100
52 0.0 13.8 20.8#
55 0.0 4.8 7.2#
40 6.0 4.2 6.4





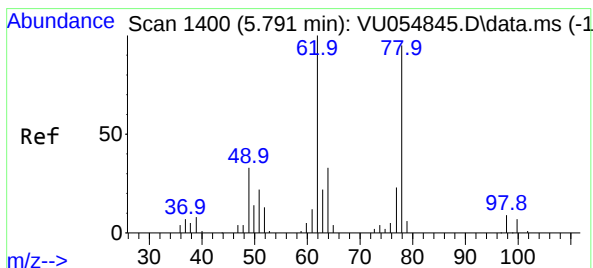
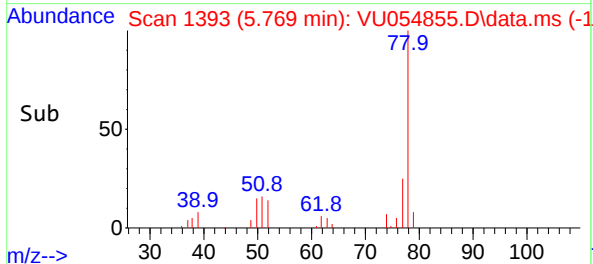
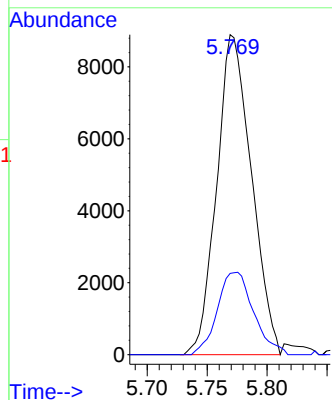
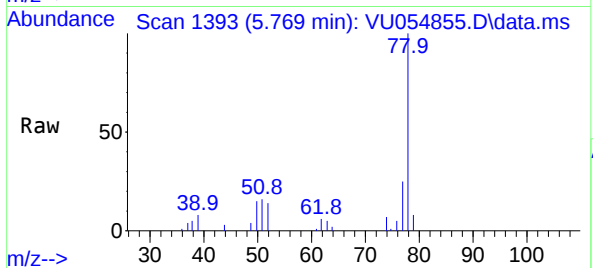
#35
Benzene
Concen: 0.777 ug/l
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 78 Resp: 17919
Ion Ratio Lower Upper
78 100
77 25.4 19.4 29.2

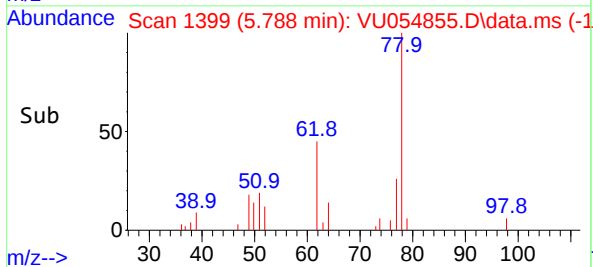
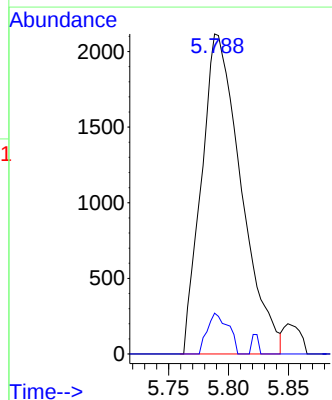
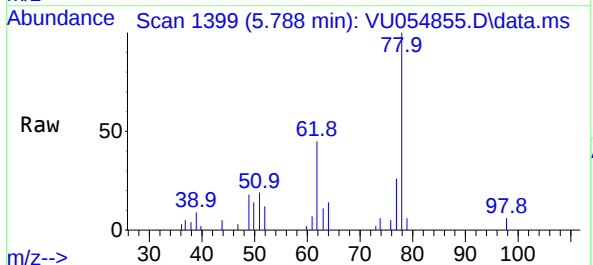
Manual Integrations
APPROVED

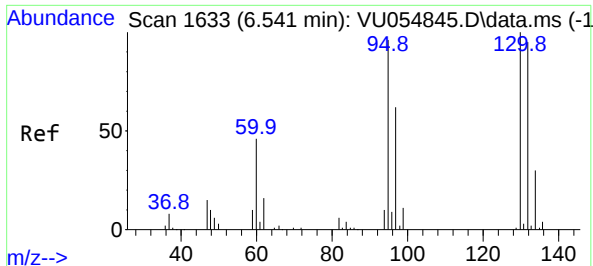
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#36
1,2-Dichloroethane
Concen: 0.733 ug/l
RT: 5.788 min Scan# 1399
Delta R.T. -0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

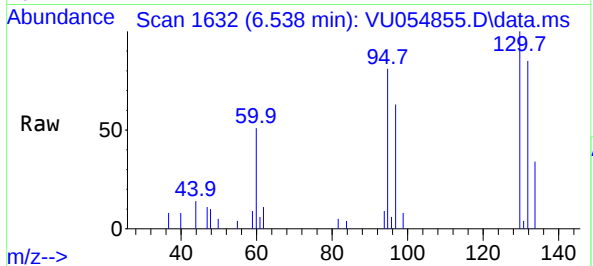
Tgt Ion: 62 Resp: 4853
Ion Ratio Lower Upper
62 100
98 6.8 7.8 11.8#





#37
Trichloroethene
Concen: 0.870 ug/l
RT: 6.538 min Scan# 1710
Delta R.T. -0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

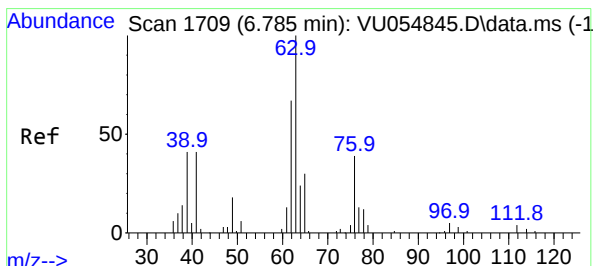
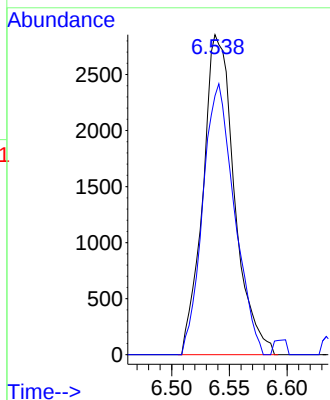
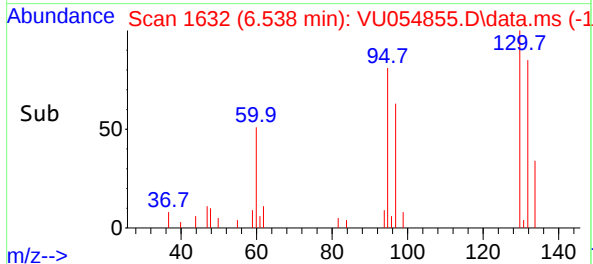
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



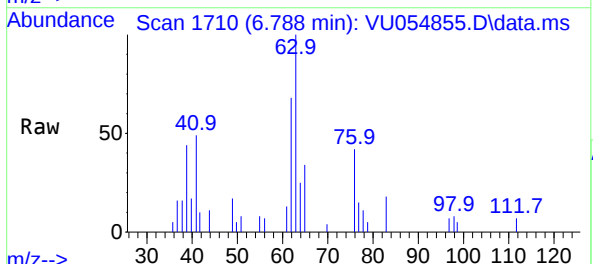
Tgt Ion:130 Resp: 5420
Ion Ratio Lower Upper
130 100
95 80.9 76.8 115.2

Manual Integrations
APPROVED

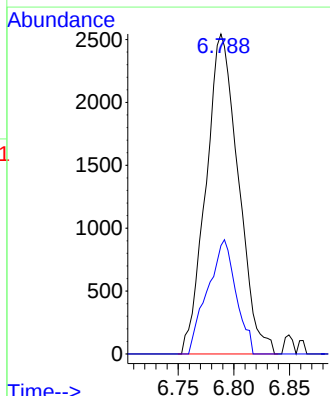
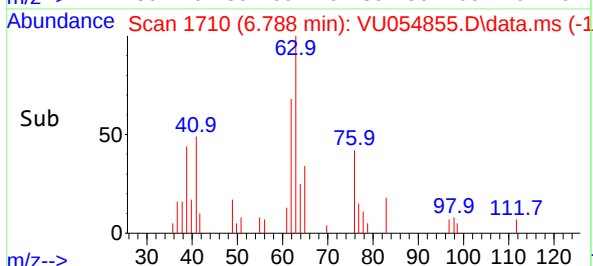
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

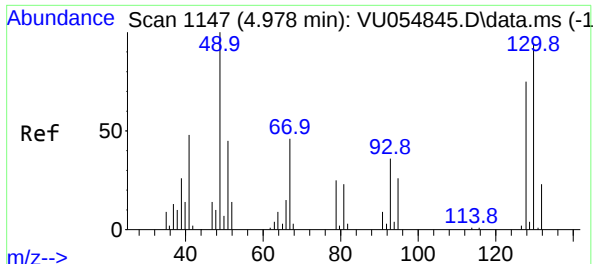


#38
1,2-Dichloropropane
Concen: 0.773 ug/l
RT: 6.788 min Scan# 1710
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



Tgt Ion: 63 Resp: 5145
Ion Ratio Lower Upper
63 100
65 33.8 24.3 36.5





#39

Methacrylonitrile

Concen: 0.635 ug/l

RT: 4.988 min Scan# 1147

Delta R.T. 0.010 min

Lab File: VU054855.D

Acq: 24 Jul 2023 13:01

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 41 Resp: 948

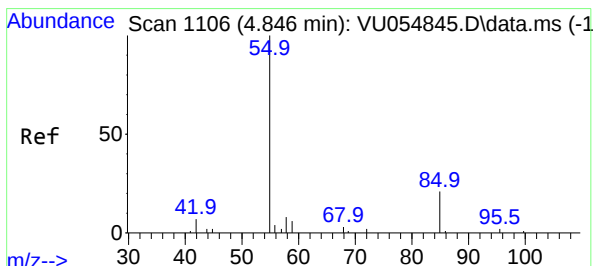
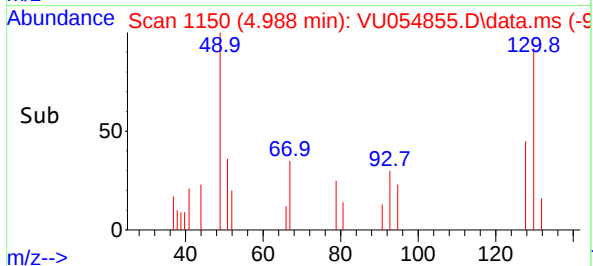
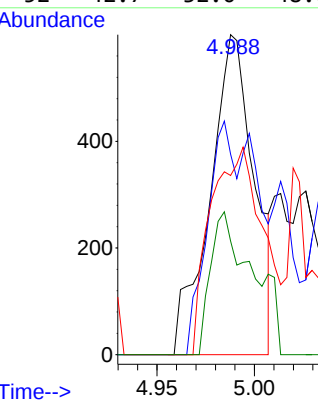
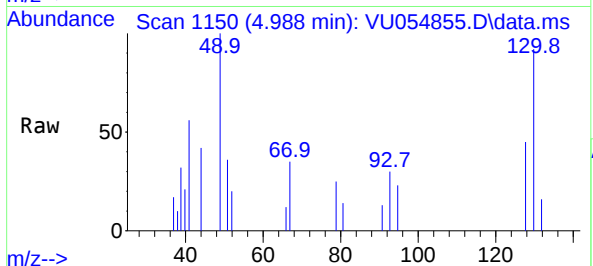
Ion	Ratio	Lower	Upper
41	100		
67	47.0	77.0	115.4
39	77.2	50.4	75.6
52	42.7	32.0	48.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#40

Methyl acrylate

Concen: 0.653 ug/l

RT: 4.872 min Scan# 1114

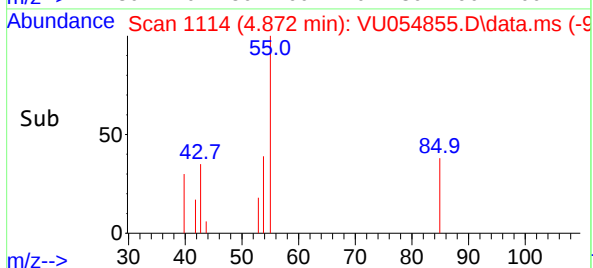
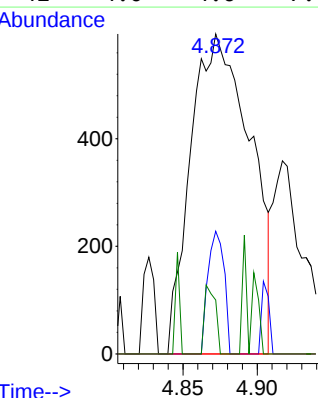
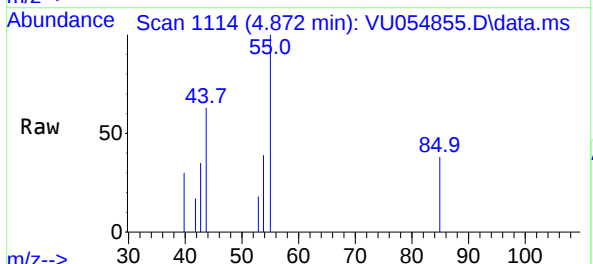
Delta R.T. 0.026 min

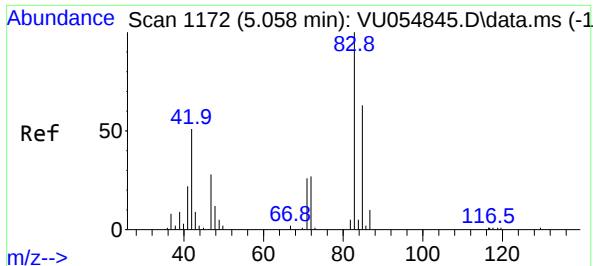
Lab File: VU054855.D

Acq: 24 Jul 2023 13:01

Tgt Ion: 55 Resp: 1662

Ion	Ratio	Lower	Upper
55	100		
85	0.0	13.0	19.6
58	0.0	5.7	8.5
42	4.0	4.6	7.0





#41

Tetrahydrofuran

Concen: 1.527 ug/l

RT: 5.075 min Scan# 1172

Delta R.T. 0.017 min

Lab File: VU054855.D

Acq: 24 Jul 2023 13:01

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 42 Resp: 134

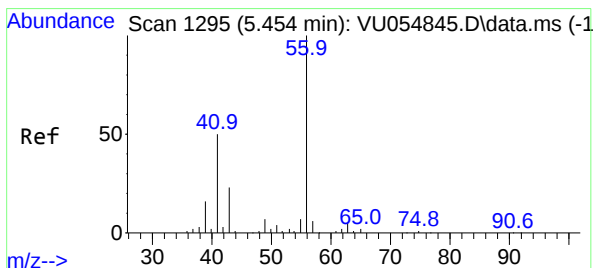
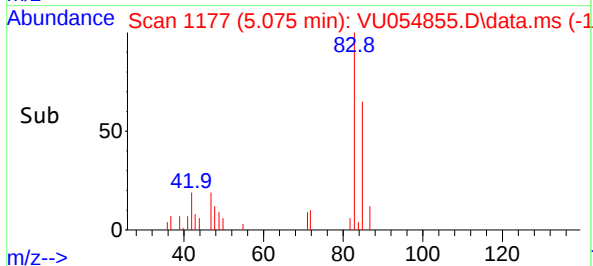
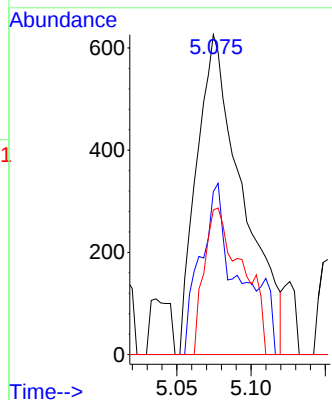
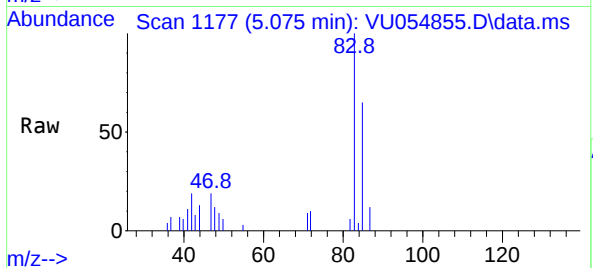
Ion	Ratio	Lower	Upper
42	100		
72	39.7	42.1	63.1
71	38.0	39.7	59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#42

1-Chlorobutane

Concen: 0.853 ug/l m

RT: 5.457 min Scan# 1296

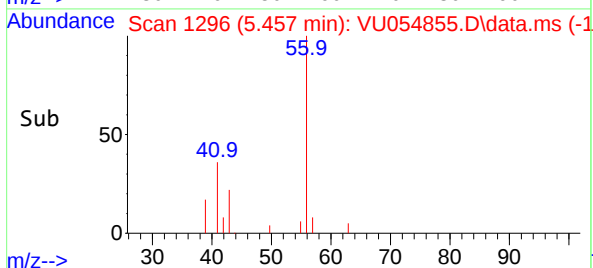
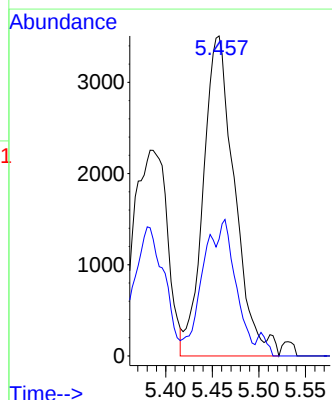
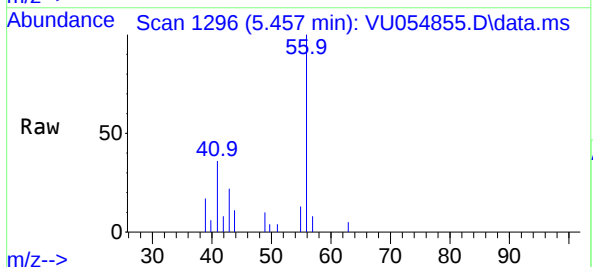
Delta R.T. 0.003 min

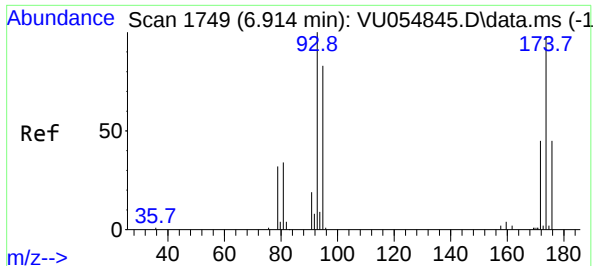
Lab File: VU054855.D

Acq: 24 Jul 2023 13:01

Tgt Ion: 56 Resp: 8190

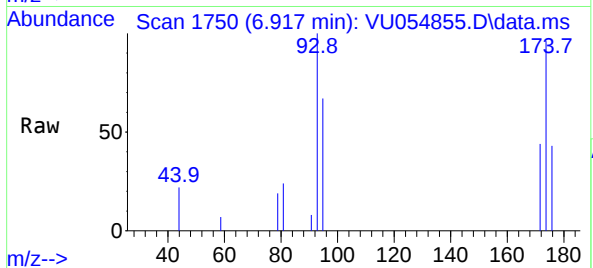
Ion	Ratio	Lower	Upper
56	100		
41	38.4	23.9	71.7





#43
Dibromomethane
Concen: 0.809 ug/l
RT: 6.917 min Scan# 1750
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

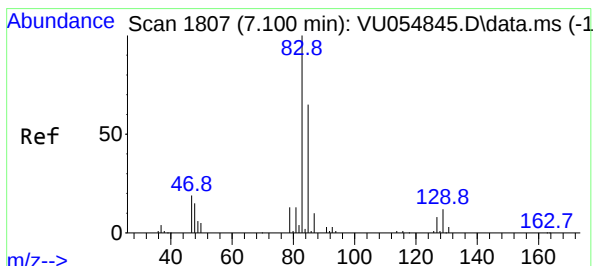
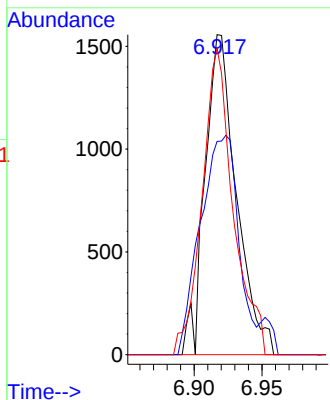
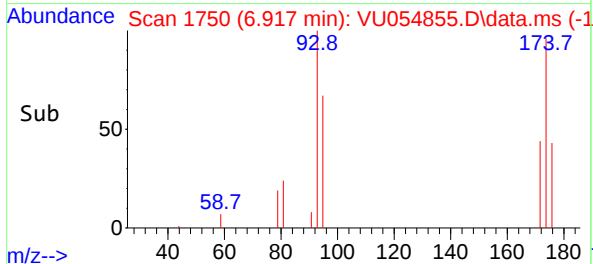
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



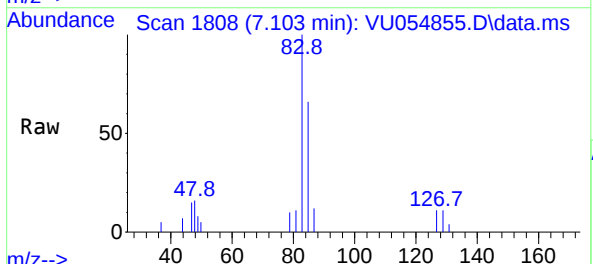
Tgt Ion: 93 Resp: 2500
Ion Ratio Lower Upper
93 100
95 83.3 64.7 97.1
174 94.8 74.4 111.6

Manual Integrations
APPROVED

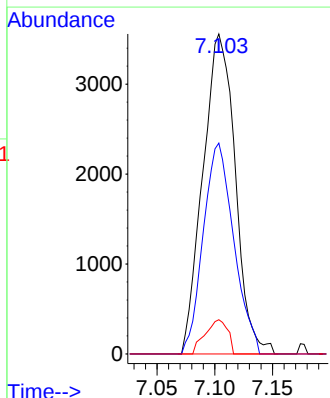
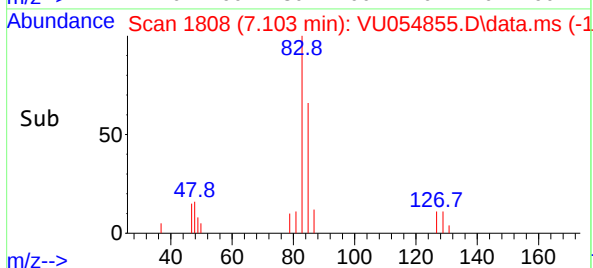
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

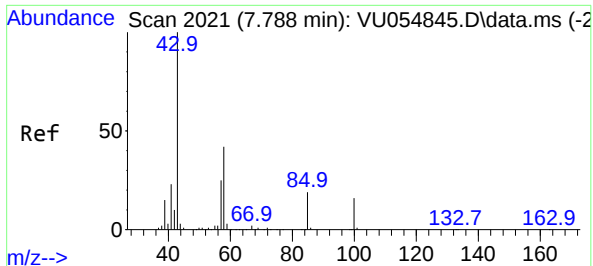


#44
Bromodichloromethane
Concen: 0.818 ug/l
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



Tgt Ion: 83 Resp: 6934
Ion Ratio Lower Upper
83 100
85 65.9 52.2 78.2
127 10.7 6.1 9.1#





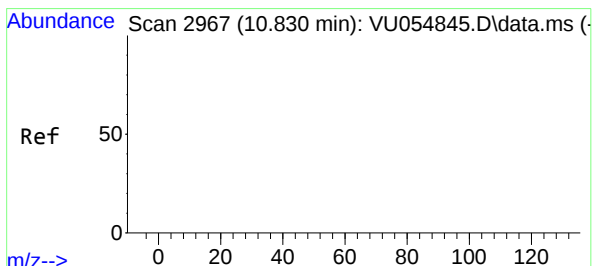
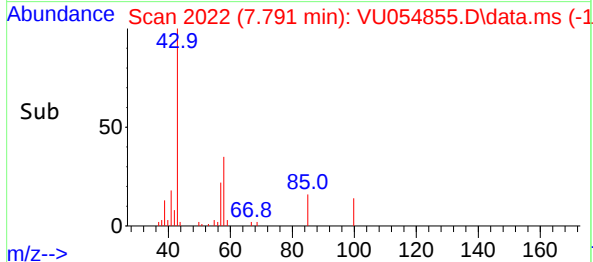
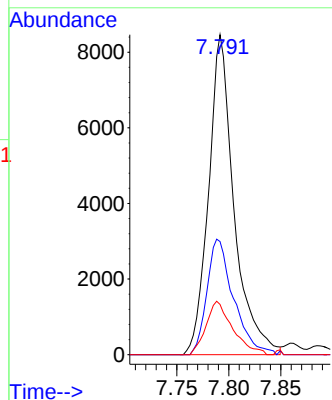
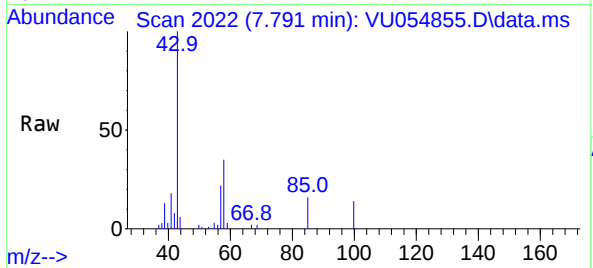
#45
4-Methyl-2-Pentanone
Concen: 3.936 ug/l
RT: 7.791 min Scan# 2021
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 43 Resp: 1442
Ion Ratio Lower Upper
43 100
58 37.9 21.3 63.7
85 17.5 15.3 22.9

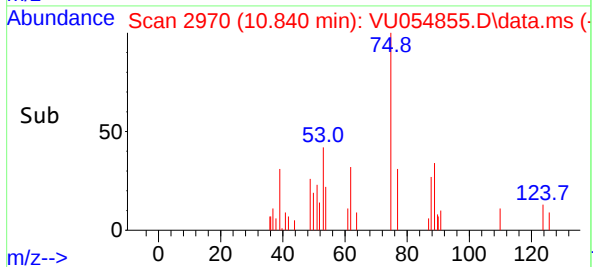
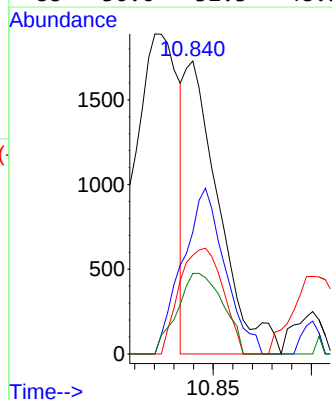
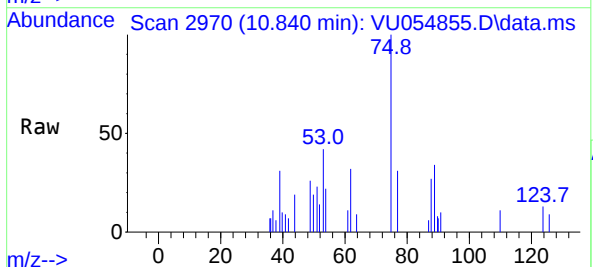
Manual Integrations
APPROVED

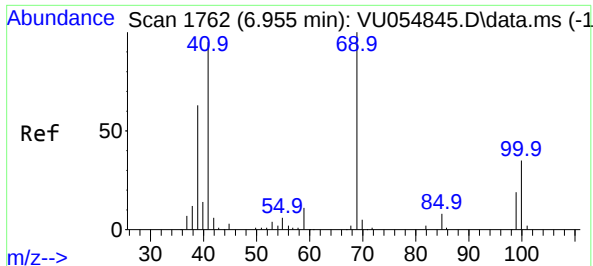
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#46
t-1,4-Dichloro-2-butene
Concen: 1.366 ug/l m
RT: 10.840 min Scan# 2970
Delta R.T. 0.010 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

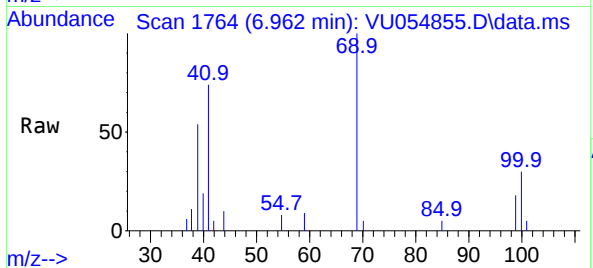
Tgt Ion: 75 Resp: 2096
Ion Ratio Lower Upper
75 100
53 69.7 62.9 94.3
89 45.8 47.8 71.8#
88 36.6 32.3 48.5





#47
Methyl methacrylate
Concen: 1.489 ug/l
RT: 6.962 min Scan# 1764
Delta R.T. 0.007 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

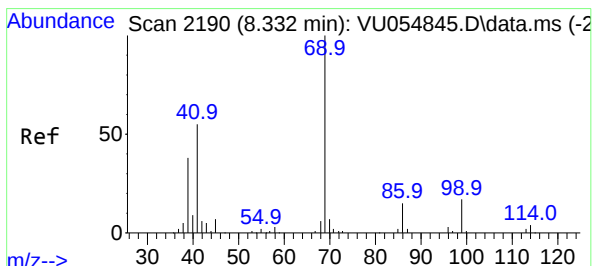
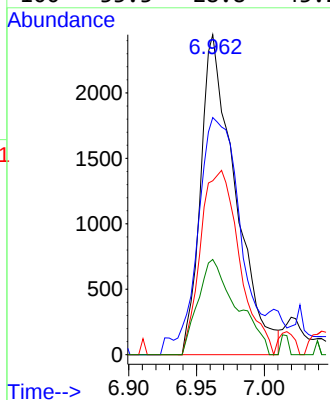
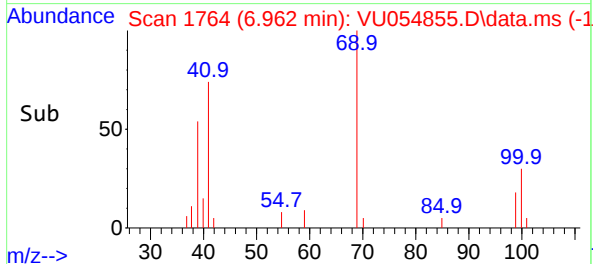
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



Tgt Ion: 69 Resp: 4330
Ion Ratio Lower Upper
69 100
41 90.5 0.0 193.0
39 64.8 50.4 75.6
100 33.3 28.8 43.2

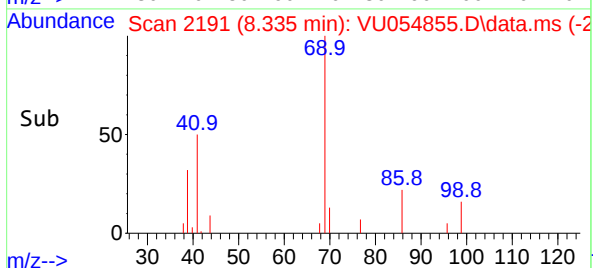
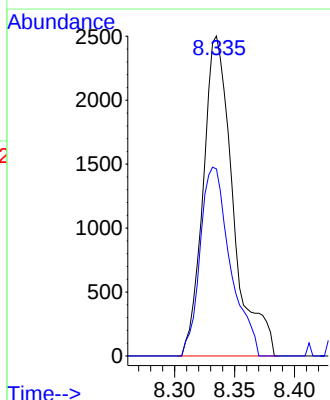
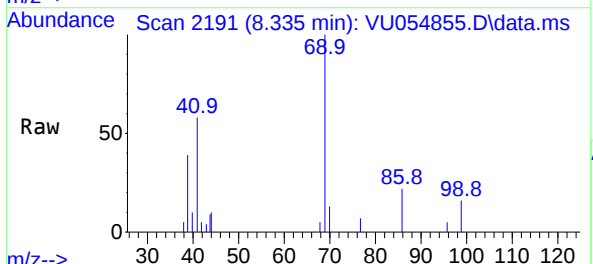
Manual Integrations
APPROVED

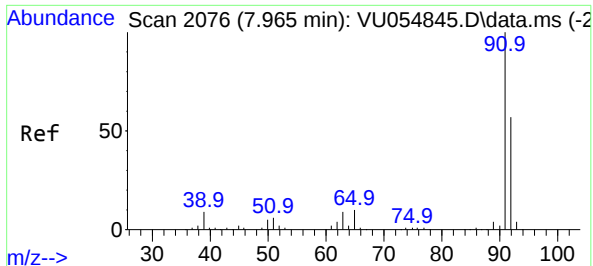
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#48
Ethyl methacrylate
Concen: 0.736 ug/l
RT: 8.335 min Scan# 2191
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion: 69 Resp: 4346
Ion Ratio Lower Upper
69 100
41 59.5 28.8 86.5





#49

Toluene

Concen: 0.769 ug/l

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054855.D

Acq: 24 Jul 2023 13:01

Instrument :

MSVOA_U

ClientSampleId :

LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 92 Resp: 1131

Ion Ratio Lower Upper

92 100

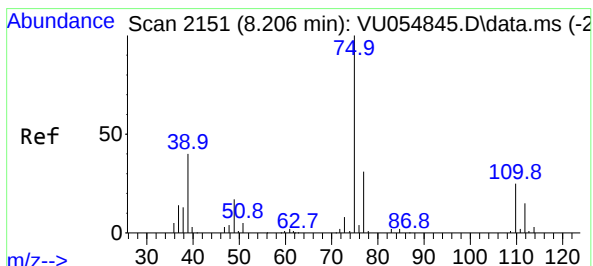
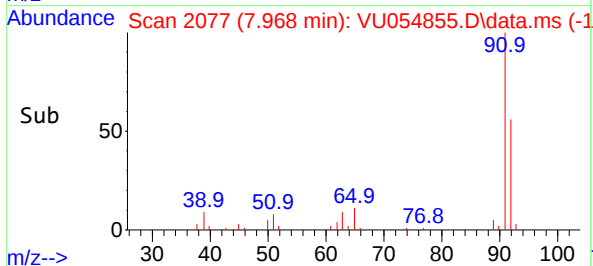
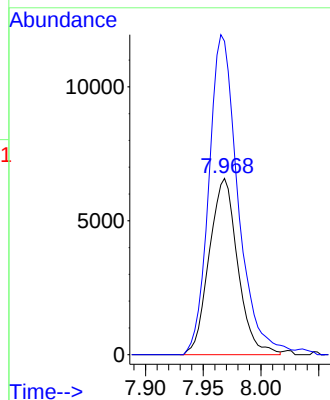
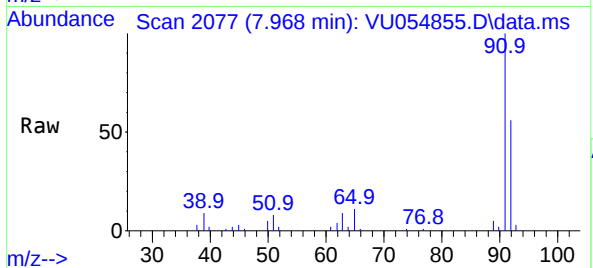
91 185.9 142.9 214.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/25/2023

Supervised By :Mahesh Dadoda 07/31/2023



#50

t-1,3-Dichloropropene

Concen: 0.696 ug/l

RT: 8.209 min Scan# 2152

Delta R.T. 0.003 min

Lab File: VU054855.D

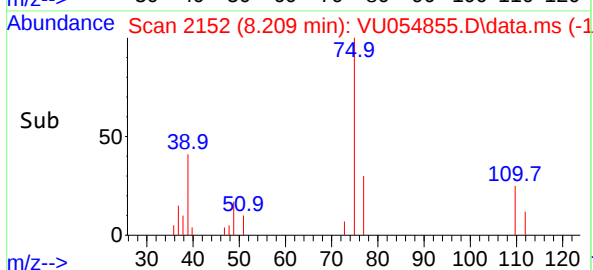
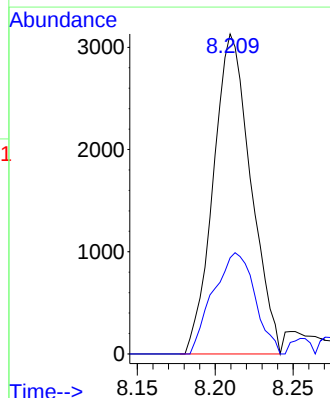
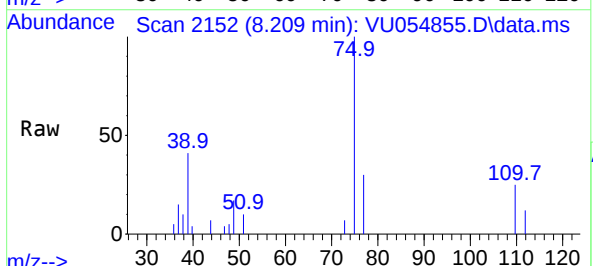
Acq: 24 Jul 2023 13:01

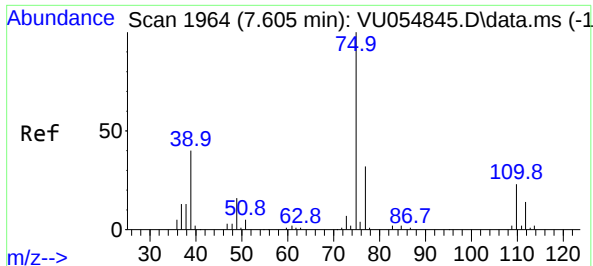
Tgt Ion: 75 Resp: 5235

Ion Ratio Lower Upper

75 100

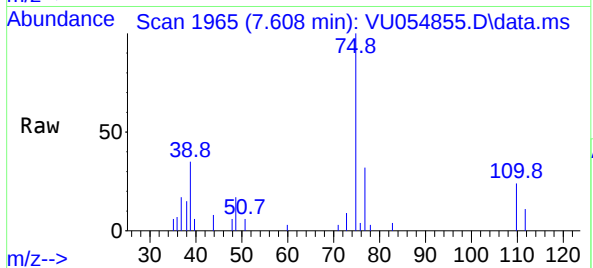
77 30.1 24.9 37.3





#51
cis-1,3-Dichloropropene
Concen: 0.794 ug/l
RT: 7.608 min Scan# 1964
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

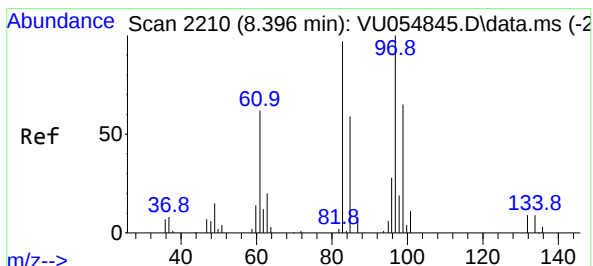
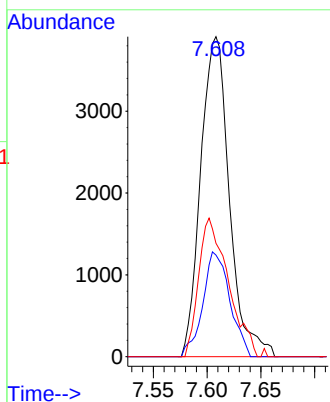
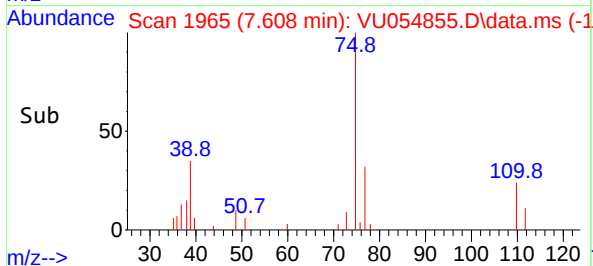
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023



Tgt Ion: 75 Resp: 7250
Ion Ratio Lower Upper
75 100
77 31.8 25.8 38.8
39 41.0 31.7 47.5

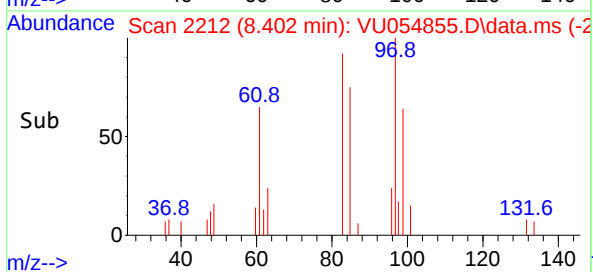
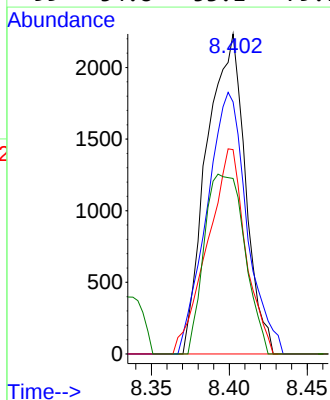
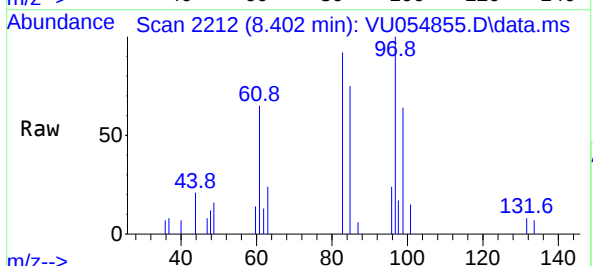
Manual Integrations
APPROVED

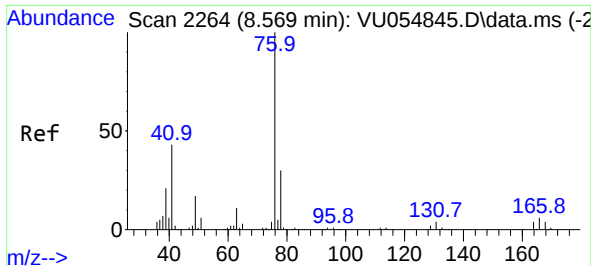
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#52
1,1,2-Trichloroethane
Concen: 0.821 ug/l
RT: 8.402 min Scan# 2212
Delta R.T. 0.007 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

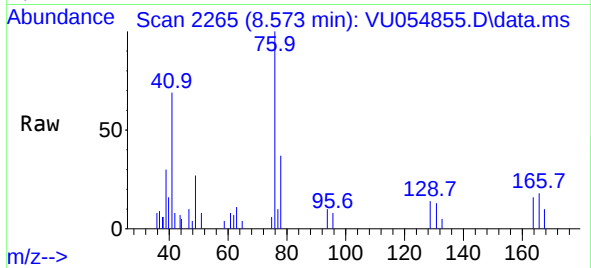
Tgt Ion: 97 Resp: 3833
Ion Ratio Lower Upper
97 100
83 78.7 77.4 116.2
85 63.9 47.8 71.8
99 54.8 53.1 79.7





#53
1,3-Dichloropropane
Concen: 0.647 ug/l
RT: 8.573 min Scan# 2100
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

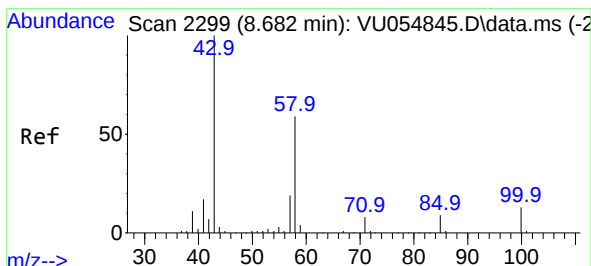
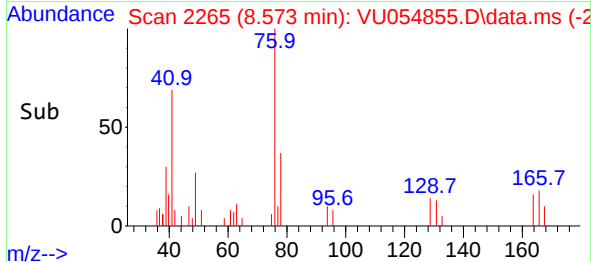
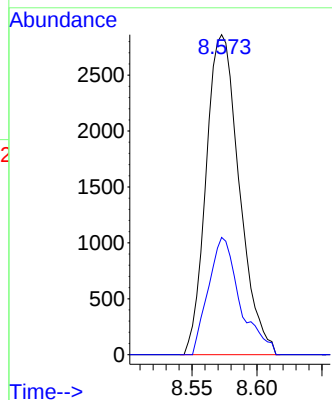
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



Tgt Ion: 76 Resp: 509
Ion Ratio Lower Upper
76 100
78 34.9 24.6 36.8

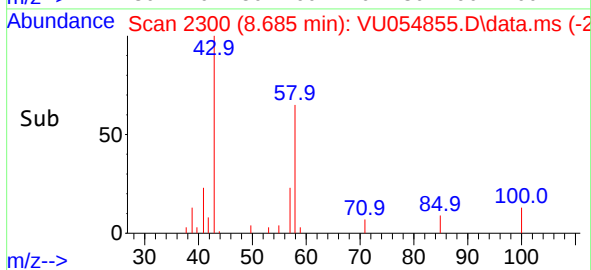
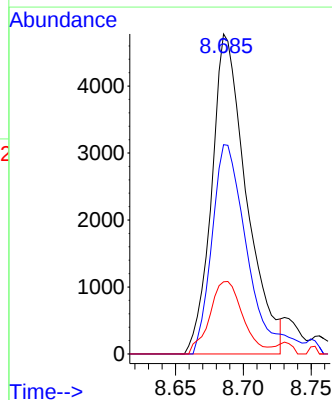
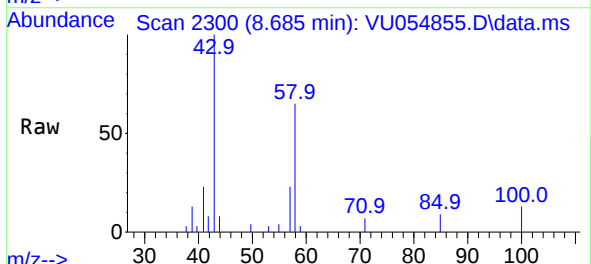
Manual Integrations
APPROVED

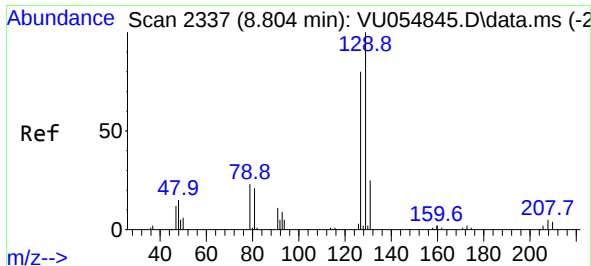
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#54
2-Hexanone
Concen: 3.332 ug/l
RT: 8.685 min Scan# 2300
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

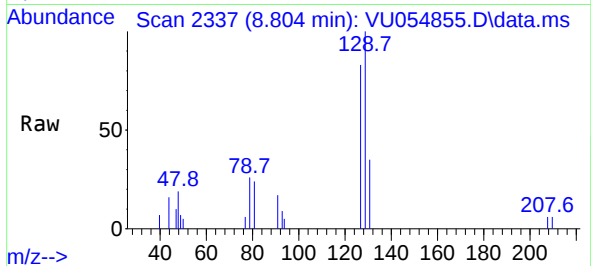
Tgt Ion: 43 Resp: 8510
Ion Ratio Lower Upper
43 100
58 66.6 38.9 78.9
57 21.6 0.0 38.7





#55
Dibromochloromethane
Concen: 0.602 ug/l m
RT: 8.804 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

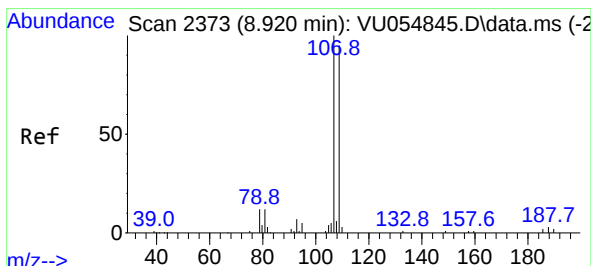
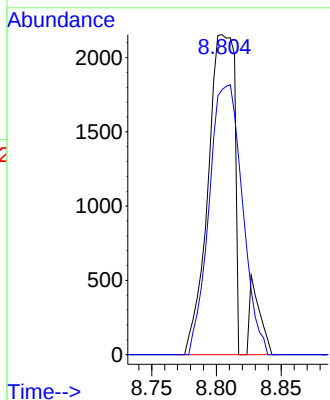
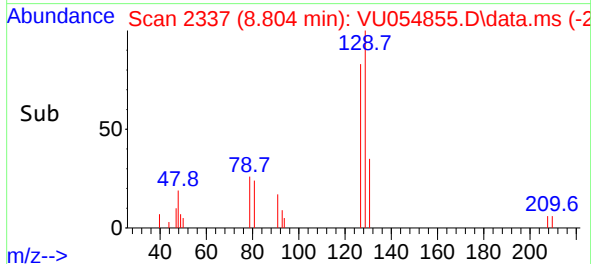
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



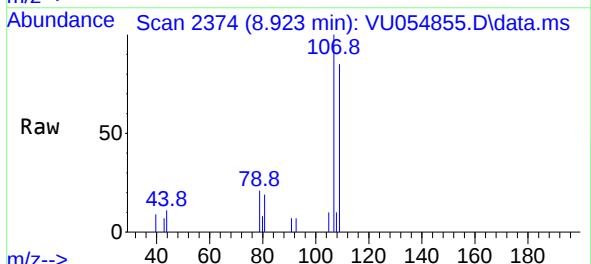
Tgt Ion:129 Resp: 335
Ion Ratio Lower Upper
129 100
127 96.6 61.4 92.0

Manual Integrations
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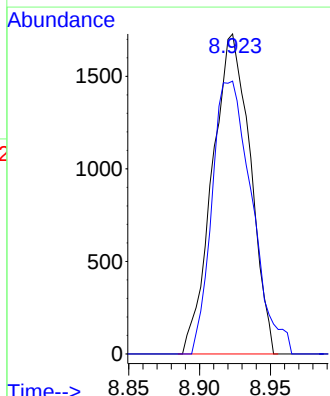
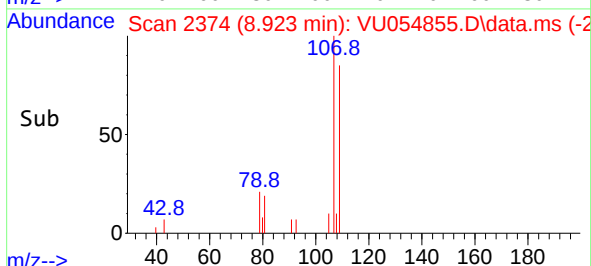
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

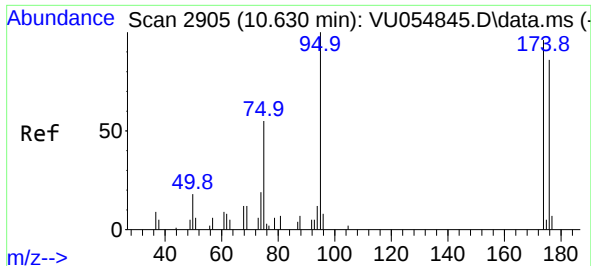


#56
1,2-Dibromoethane
Concen: 0.788 ug/l
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



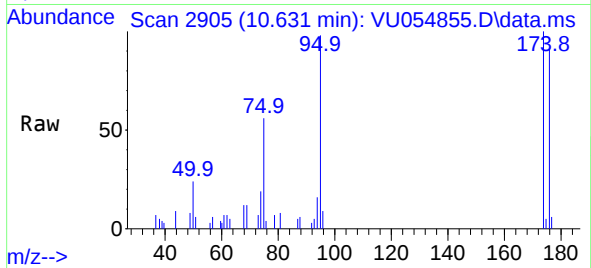
Tgt Ion:107 Resp: 3220
Ion Ratio Lower Upper
107 100
109 89.5 0.0 185.4





#57
4-Bromofluorobenzene
Concen: 0.986 ug/l
RT: 10.631 min Scan# 2905
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

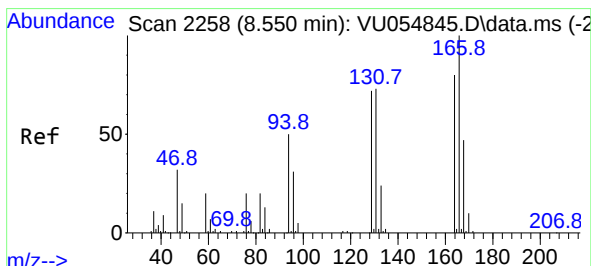
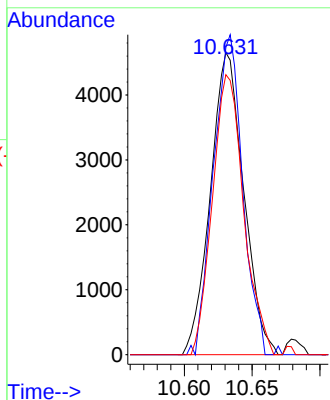
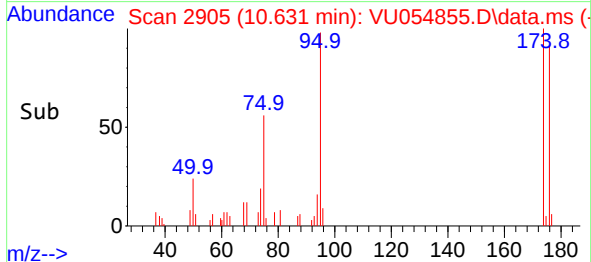
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023



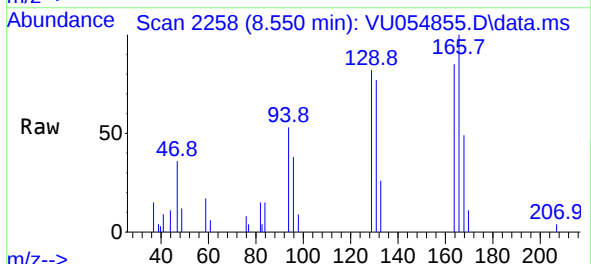
Tgt Ion: 95 Resp: 7950
Ion Ratio Lower Upper
95 100
174 92.7 79.3 118.9
176 86.9 71.5 107.3

Manual Integrations
APPROVED

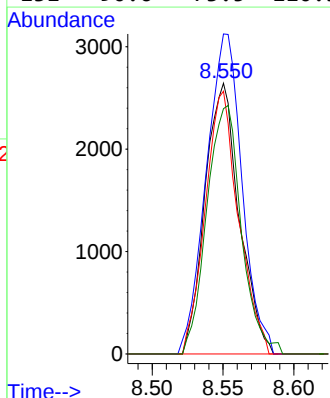
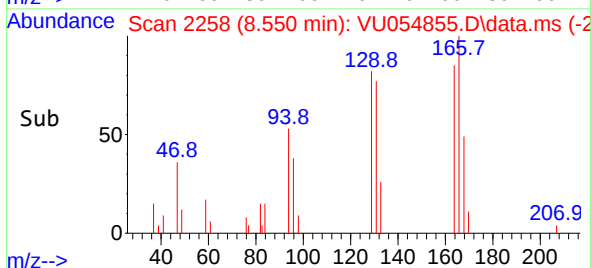
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

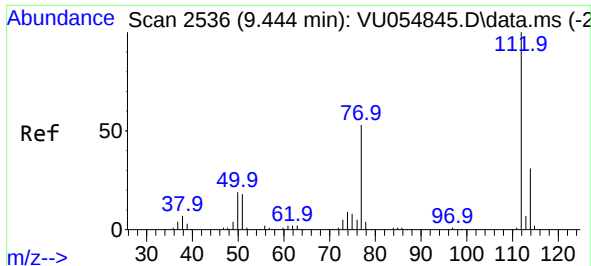


#58
Tetrachloroethene
Concen: 0.819 ug/l
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



Tgt Ion:164 Resp: 4449
Ion Ratio Lower Upper
164 100
166 118.2 100.4 150.6
129 97.0 71.9 107.9
131 90.6 73.5 110.3





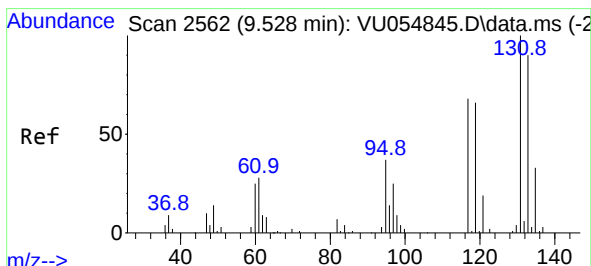
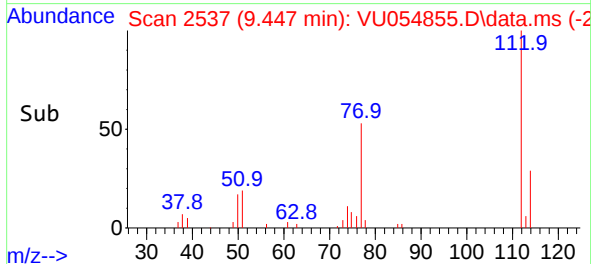
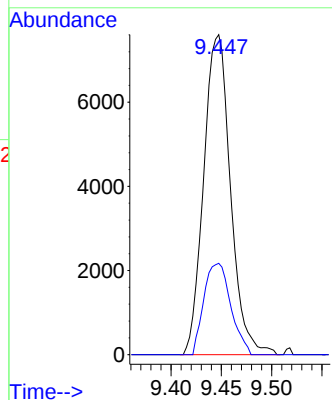
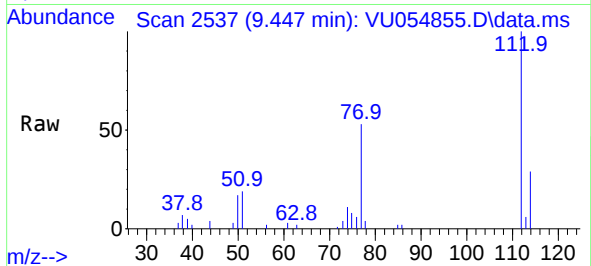
#59
Chlorobenzene
Concen: 0.805 ug/l
RT: 9.447 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:112 Resp: 1411
Ion Ratio Lower Upper
112 100
114 28.6 25.0 37.6

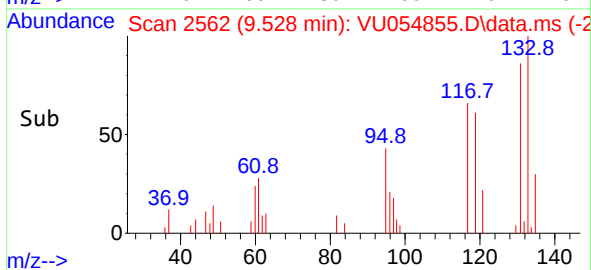
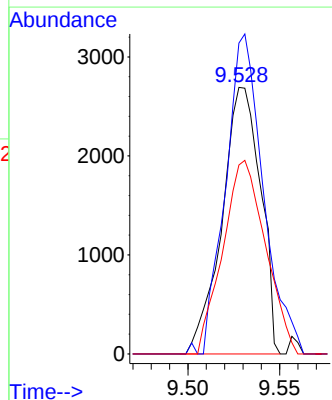
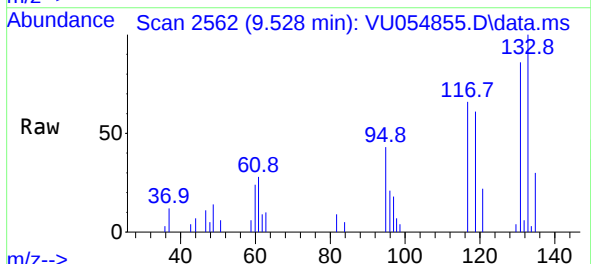
Manual Integrations
APPROVED

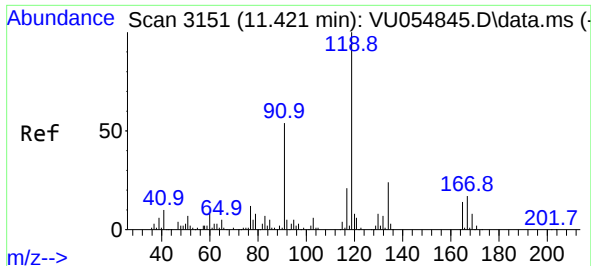
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#60
1,1,1,2-Tetrachloroethane
Concen: 0.637 ug/l
RT: 9.528 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion:131 Resp: 3946
Ion Ratio Lower Upper
131 100
133 117.4 74.2 111.4#
119 80.1 51.0 76.4#





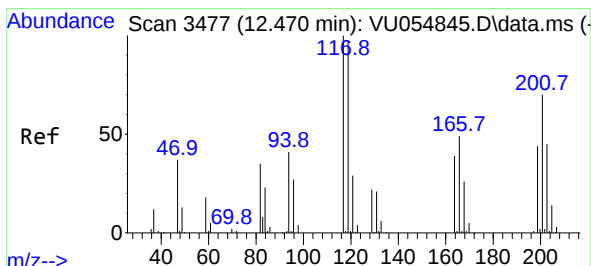
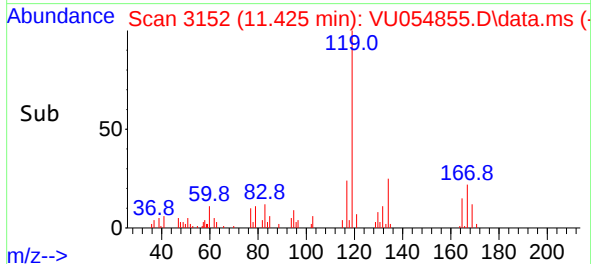
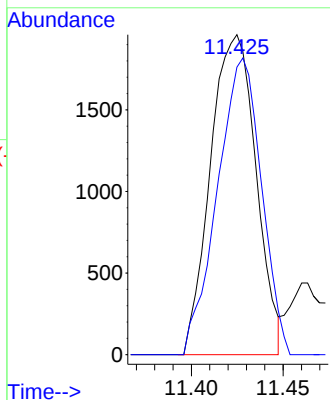
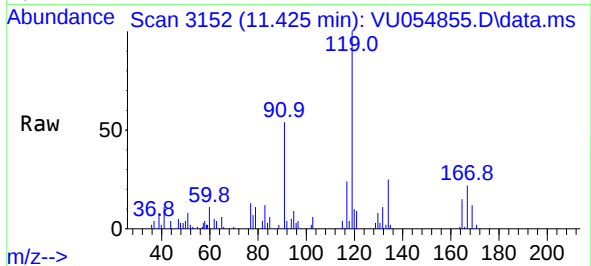
#61
Pentachloroethane
Concen: 0.695 ug/l
RT: 11.425 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

Tgt Ion:117 Resp: 3380
Ion Ratio Lower Upper
117 100
167 89.7 65.3 97.9

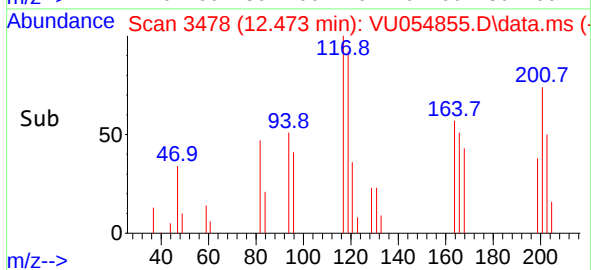
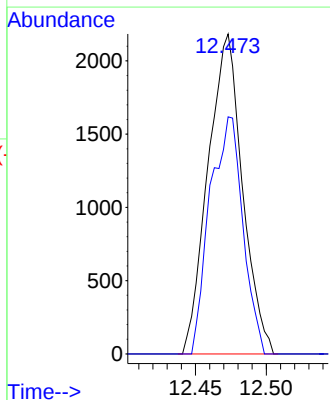
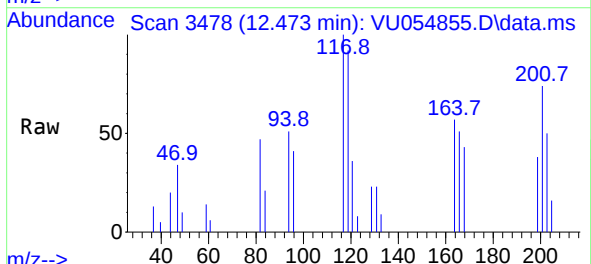
Manual Integrations
APPROVED

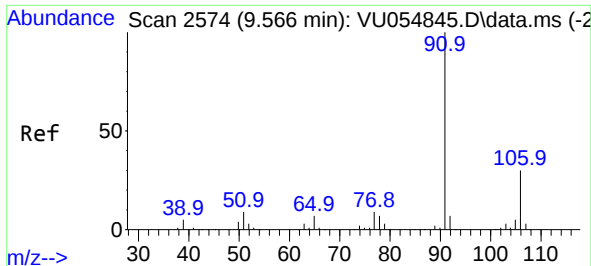
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#62
Hexachloroethane
Concen: 0.738 ug/l
RT: 12.473 min Scan# 3478
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion:117 Resp: 3694
Ion Ratio Lower Upper
117 100
201 70.5 56.1 84.1





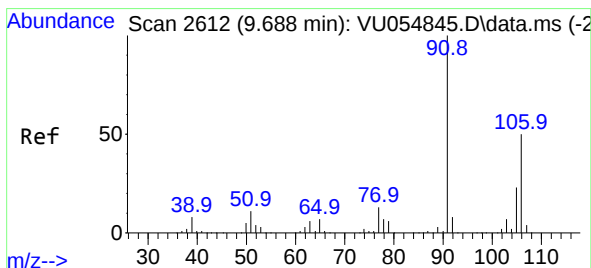
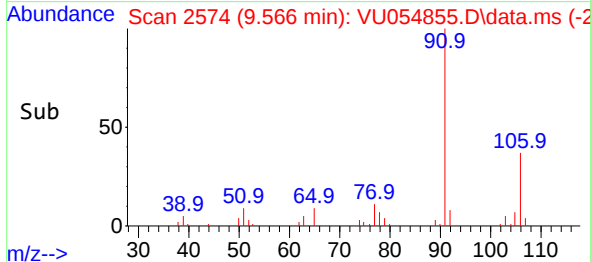
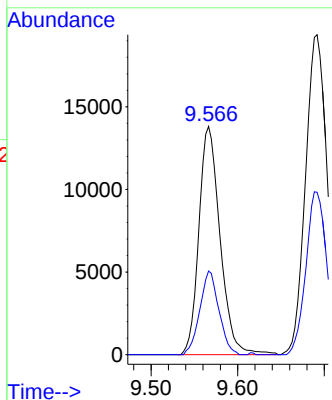
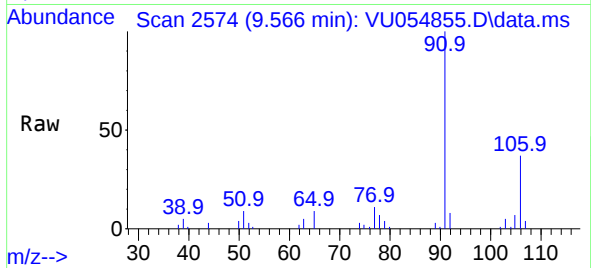
#63
Ethyl Benzene
Concen: 0.785 ug/l
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument : MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion: 91 Resp: 23474
Ion Ratio Lower Upper
91 100
106 36.7 24.2 36.2

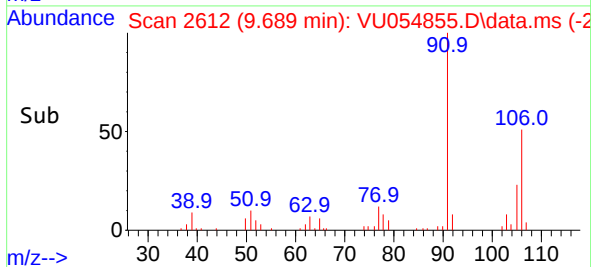
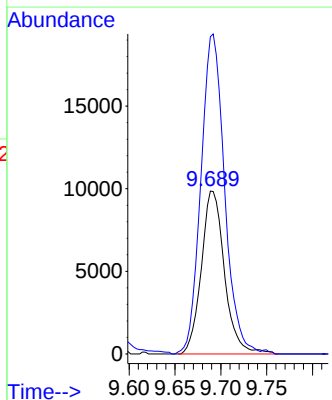
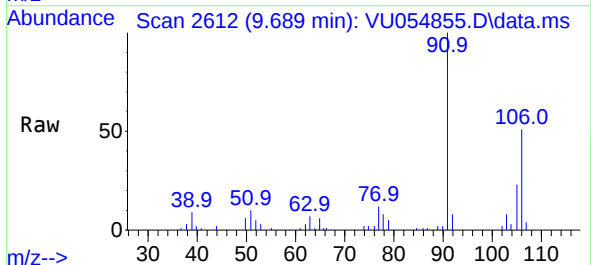
Manual Integrations
APPROVED

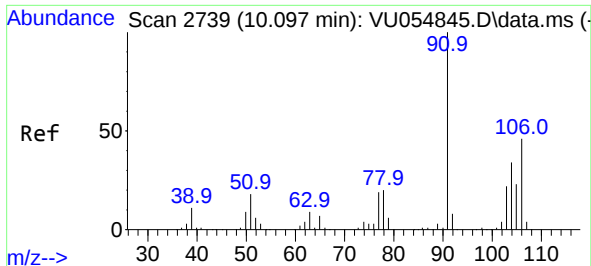
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#64
m/p-Xylenes
Concen: 1.536 ug/l
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion:106 Resp: 17361
Ion Ratio Lower Upper
106 100
91 200.0 158.8 238.2





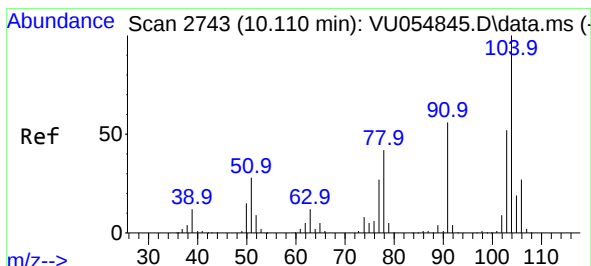
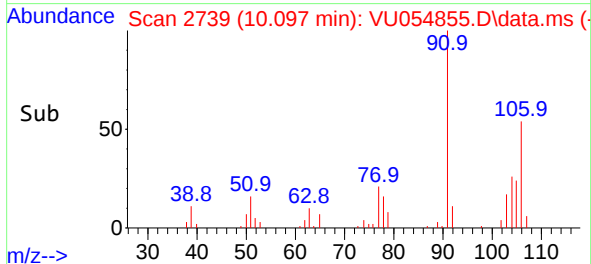
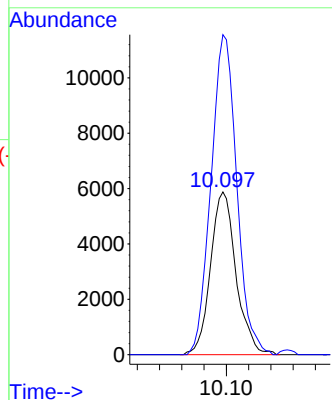
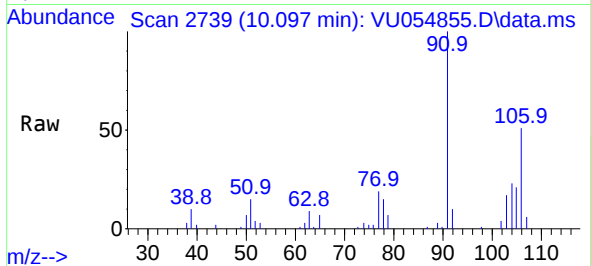
#65
o-Xylene
Concen: 0.824 ug/l
RT: 10.097 min Scan# 2739
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:106 Resp: 9370
Ion Ratio Lower Upper
106 100
91 197.8 108.9 326.8

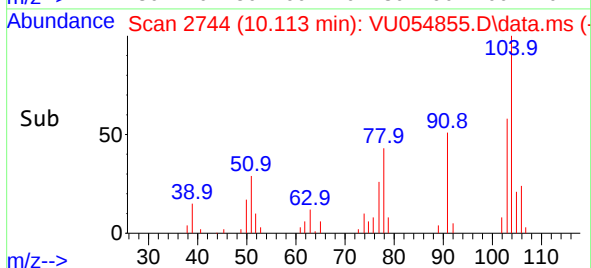
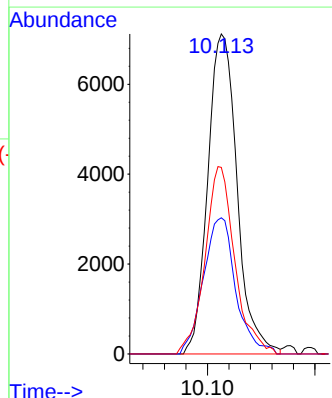
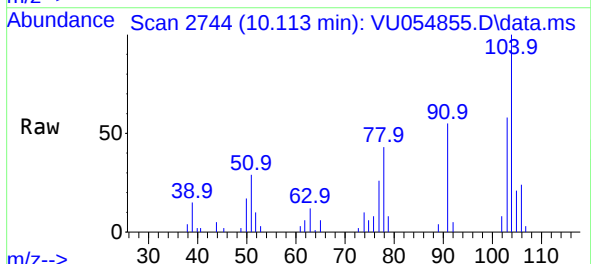
Manual Integrations
APPROVED

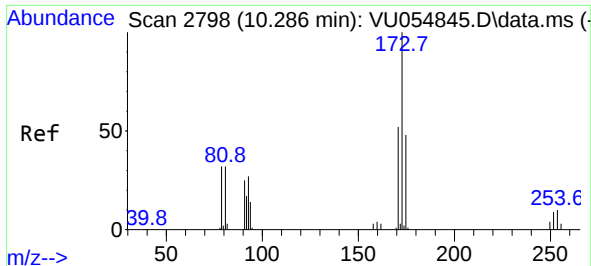
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#66
Styrene
Concen: 0.738 ug/l
RT: 10.113 min Scan# 2744
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

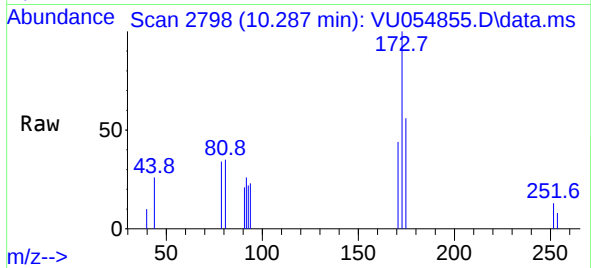
Tgt Ion:104 Resp: 13499
Ion Ratio Lower Upper
104 100
78 46.9 37.5 56.3
103 59.3 45.2 67.8





#67
Bromoform
Concen: 0.824 ug/l
RT: 10.287 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

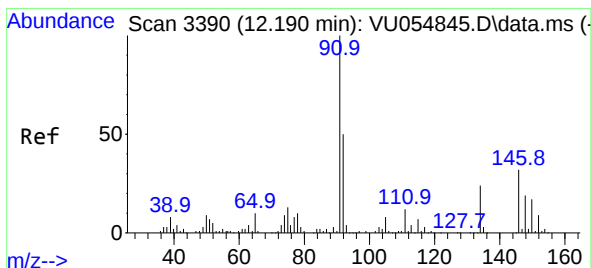
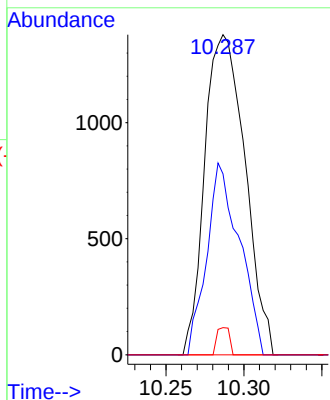
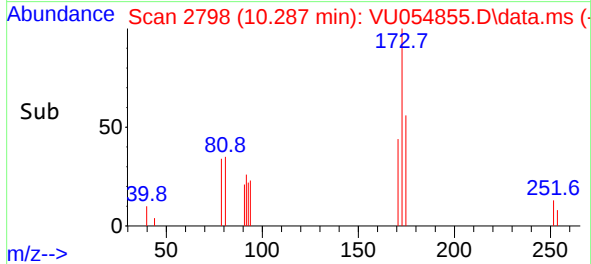
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



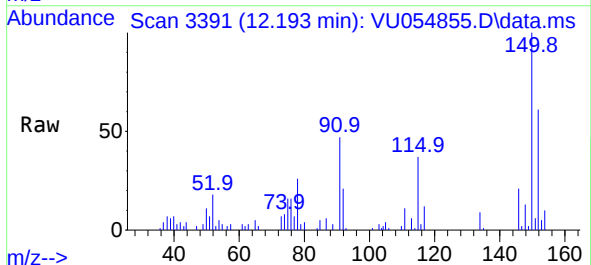
Tgt Ion:173 Resp: 247
Ion Ratio Lower Upper
173 100
175 48.7 39.0 58.6
254 2.7 7.4 11.0

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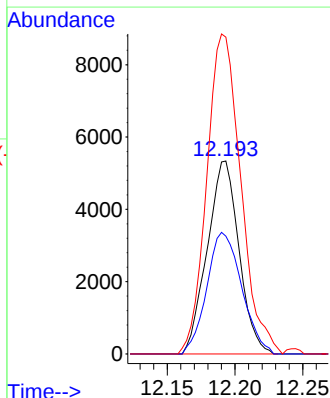
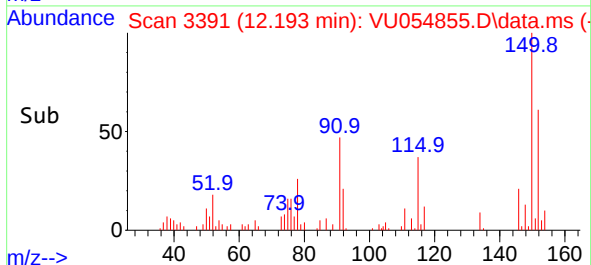
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

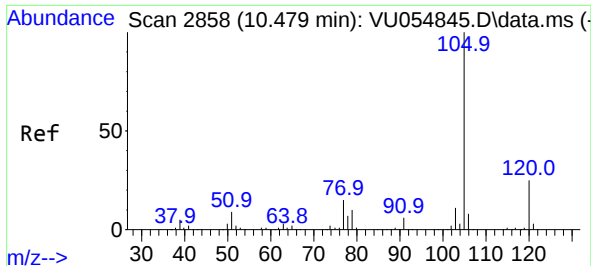


#68
1,2-Dichlorobenzene-d4
Concen: 0.930 ug/l
RT: 12.193 min Scan# 3391
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



Tgt Ion:152 Resp: 8681
Ion Ratio Lower Upper
152 100
115 69.3 0.0 234.8
150 177.9 0.0 598.2





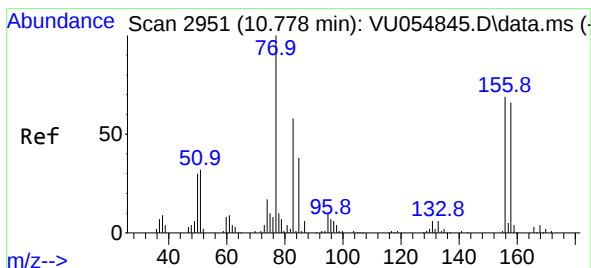
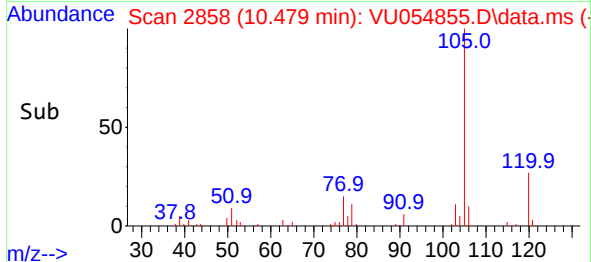
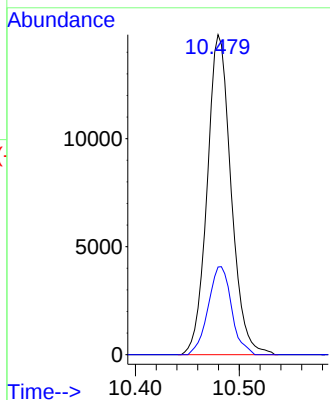
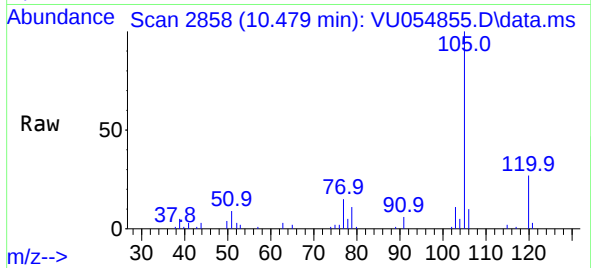
#69
Isopropylbenzene
Concen: 0.766 ug/l
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

Tgt Ion:105 Resp: 23652
Ion Ratio Lower Upper
105 100
120 26.9 12.6 37.6

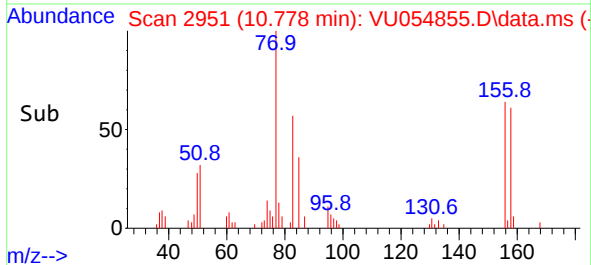
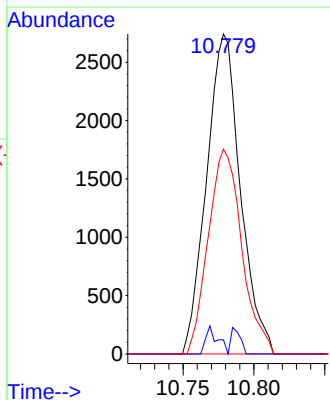
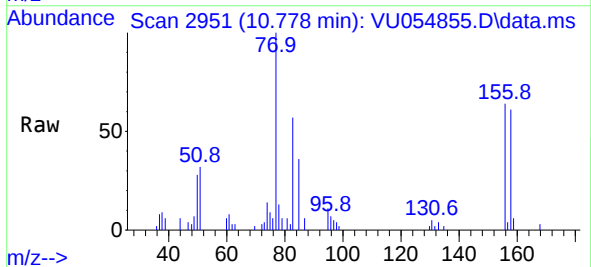
Manual Integrations
APPROVED

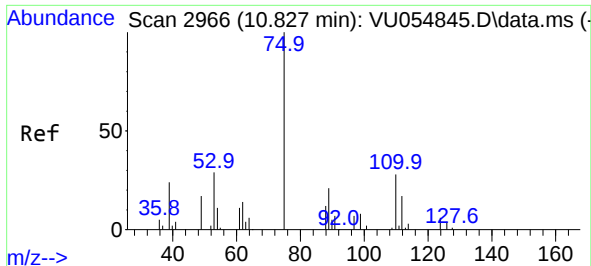
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#70
1,1,2,2-Tetrachloroethane
Concen: 0.780 ug/l
RT: 10.778 min Scan# 2951
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

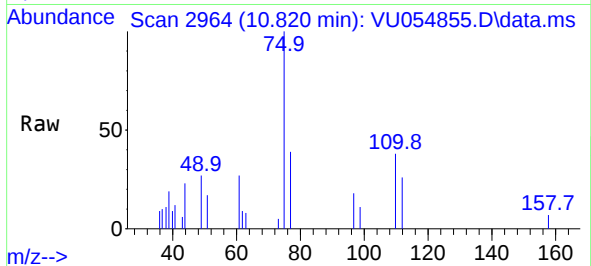
Tgt Ion: 83 Resp: 4545
Ion Ratio Lower Upper
83 100
131 2.3 7.5 11.3#
85 63.4 53.0 79.6





#71
1,2,3-Trichloropropane
Concen: 0.753 ug/l m
RT: 10.820 min Scan# 2966
Delta R.T. -0.006 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

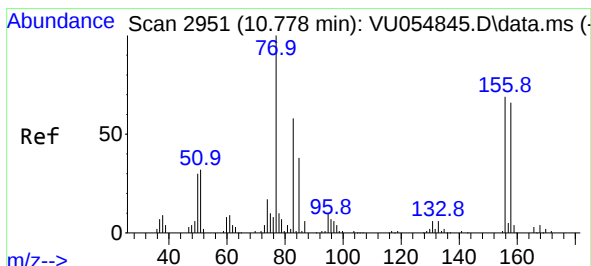
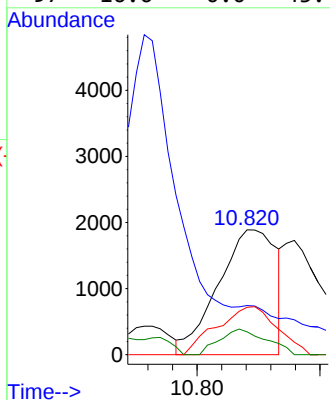
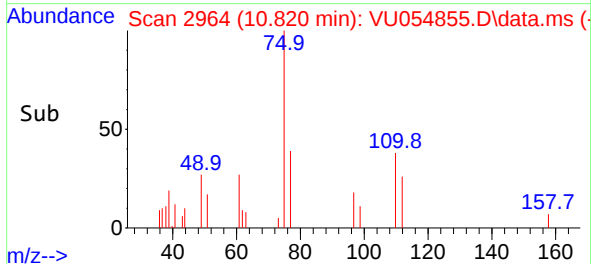
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



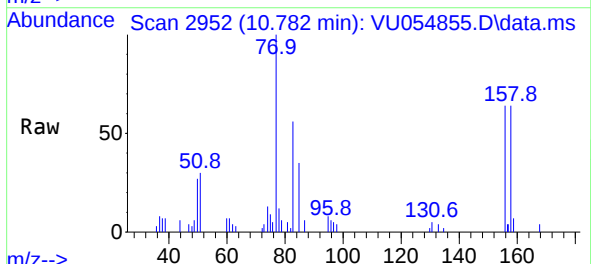
Tgt Ion: 75 Resp: 3089
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0
110 40.0 0.0 80.8
97 16.6 0.0 43.4

Manual Integrations
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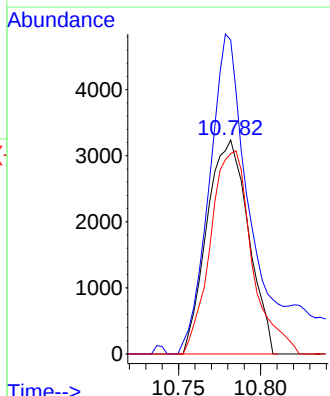
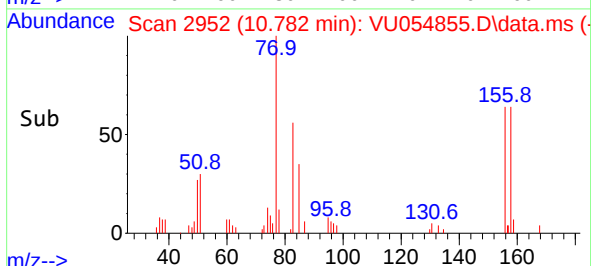
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

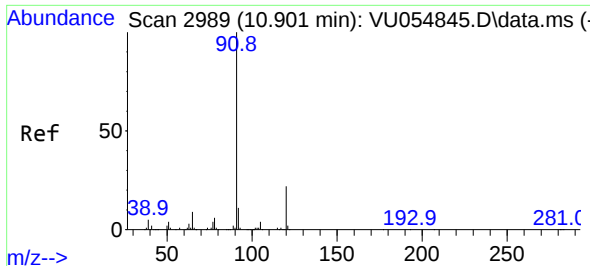


#72
Bromobenzene
Concen: 0.799 ug/l
RT: 10.782 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



Tgt Ion:156 Resp: 5694
Ion Ratio Lower Upper
156 100
77 140.5 0.0 293.2
158 94.6 0.0 189.8





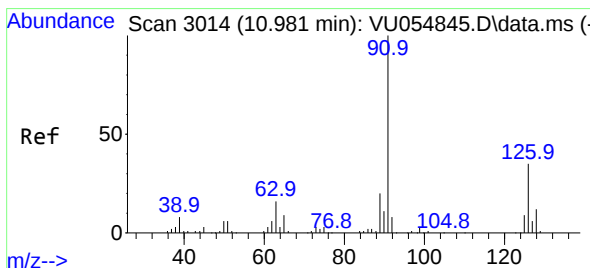
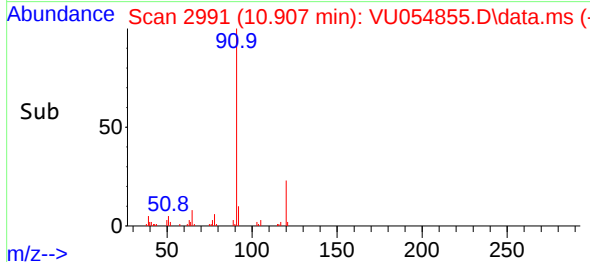
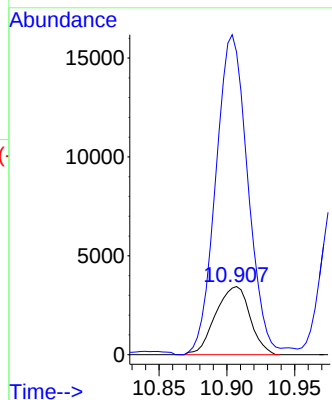
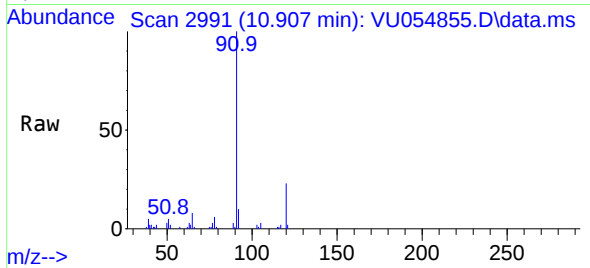
#73
n-propylbenzene
Concen: 0.733 ug/l
RT: 10.907 min Scan# 2989
Delta R.T. 0.007 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:120 Resp: 6078
Ion Ratio Lower Upper
120 100
91 440.6 361.8 542.6

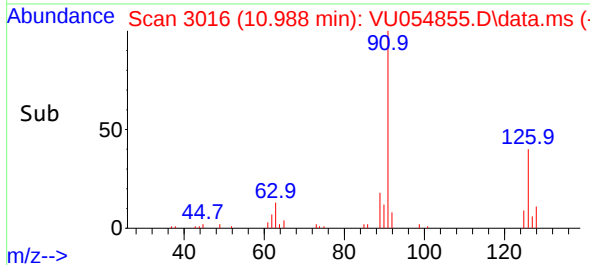
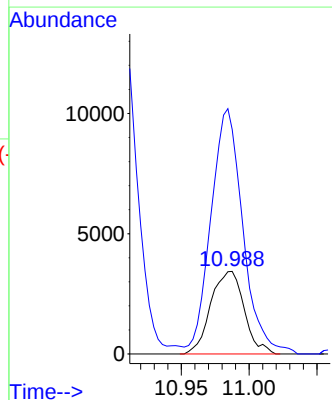
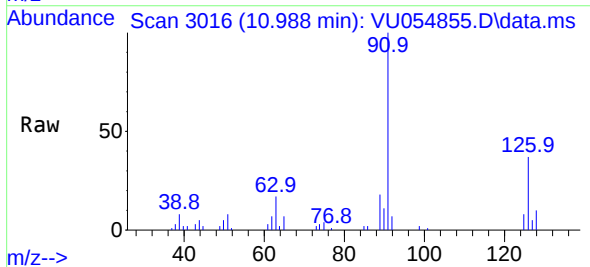
Manual Integrations
APPROVED

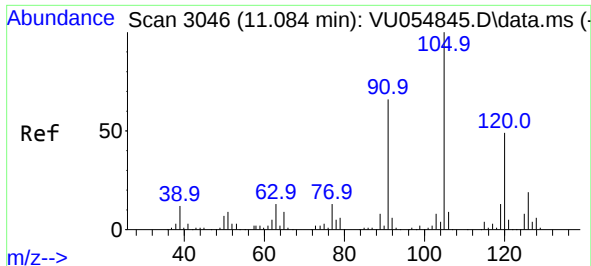
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#74
2-Chlorotoluene
Concen: 0.814 ug/l
RT: 10.988 min Scan# 3016
Delta R.T. 0.007 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion:126 Resp: 5878
Ion Ratio Lower Upper
126 100
91 285.4 0.0 561.4





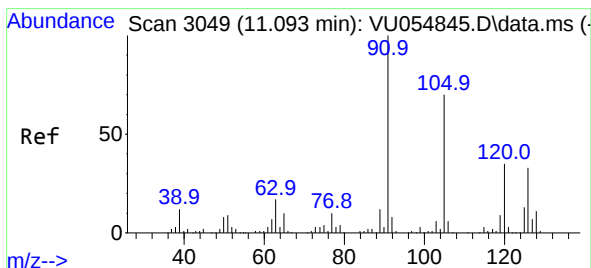
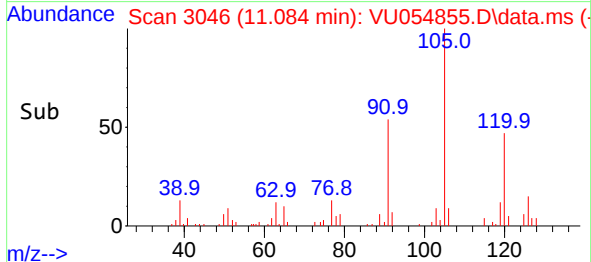
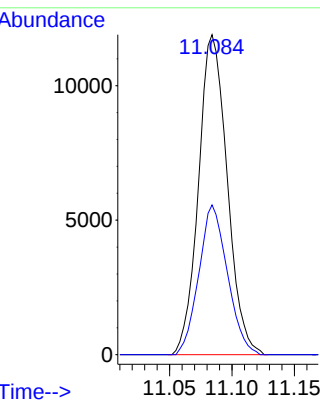
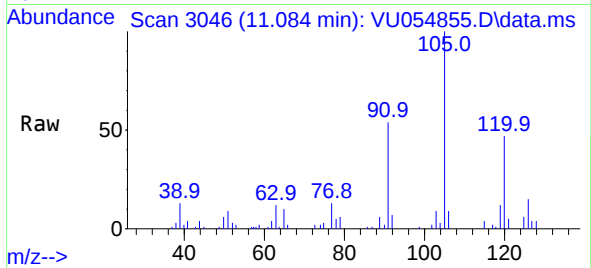
#75
1,3,5-Trimethylbenzene
Concen: 0.758 ug/l
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

Tgt Ion:105 Resp: 1906
Ion Ratio Lower Upper
105 100
120 46.7 39.0 58.4

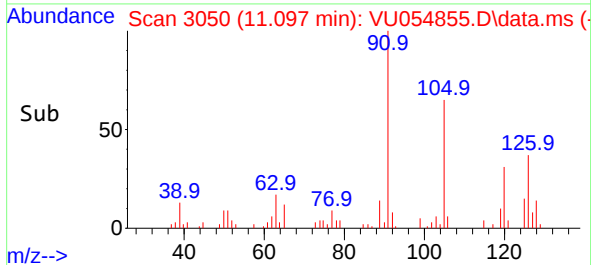
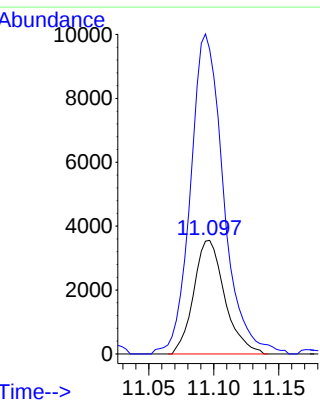
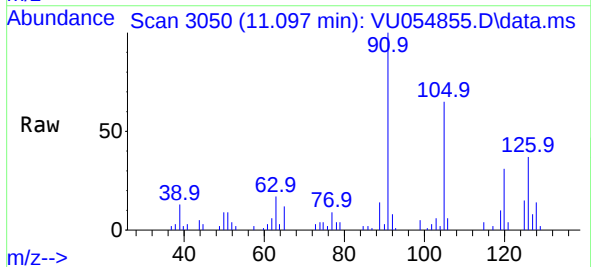
Manual Integrations
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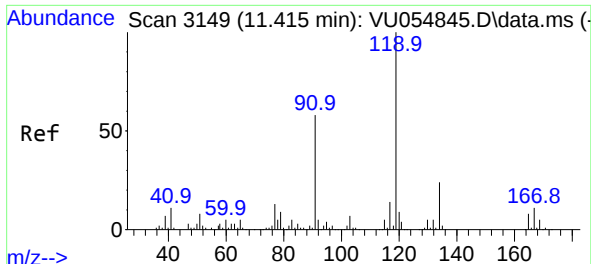
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#76
4-Chlorotoluene
Concen: 0.795 ug/l
RT: 11.097 min Scan# 3050
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion:126 Resp: 5906
Ion Ratio Lower Upper
126 100
91 299.7 0.0 623.4





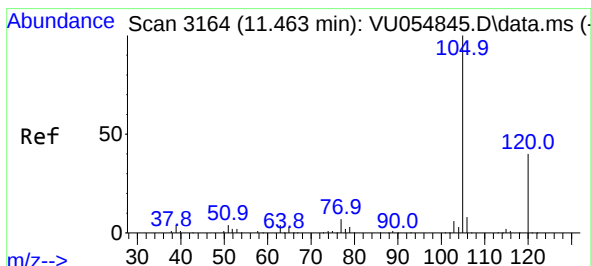
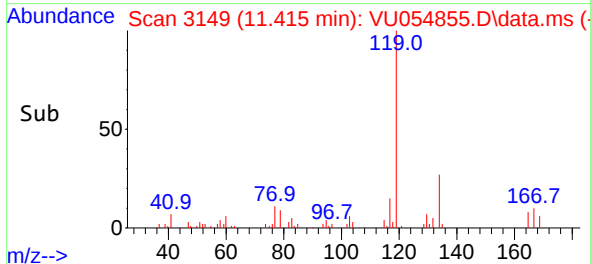
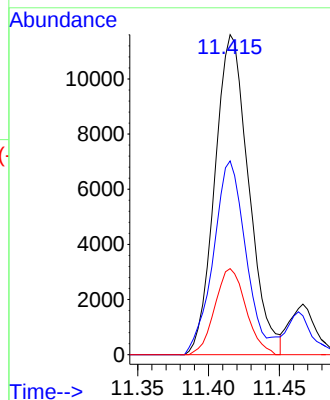
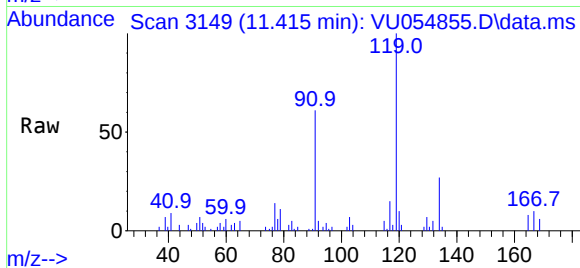
#77
tert-Butylbenzene
Concen: 0.746 ug/l
RT: 11.415 min Scan# 3149
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:119 Resp: 1932
Ion Ratio Lower Upper
119 100
91 57.7 27.7 83.1
134 24.7 18.6 27.8

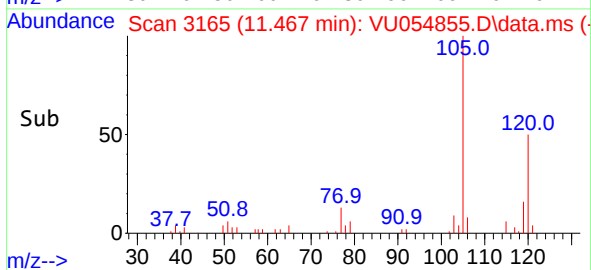
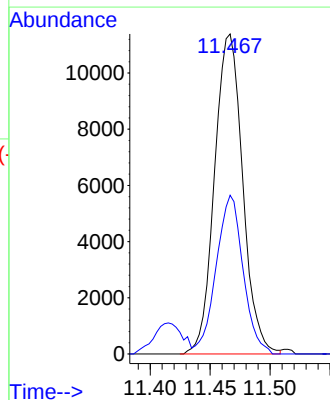
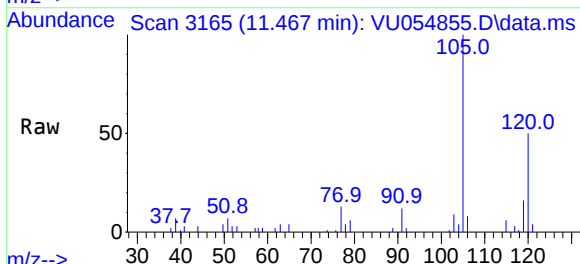
Manual Integrations
APPROVED

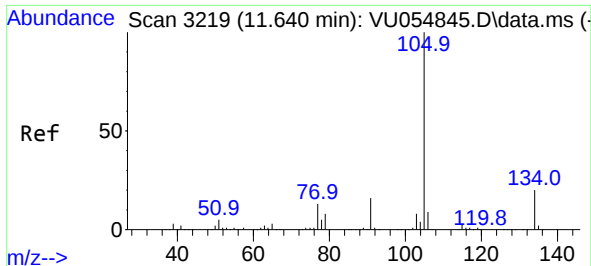
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#78
1,2,4-Trimethylbenzene
Concen: 0.735 ug/l
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

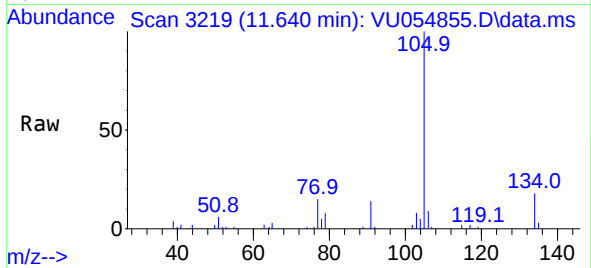
Tgt Ion:105 Resp: 18592
Ion Ratio Lower Upper
105 100
120 47.5 22.4 67.3





#79
 sec-Butylbenzene
 Concen: 0.713 ug/l
 RT: 11.640 min Scan# 311
 Delta R.T. 0.000 min
 Lab File: VU054855.D
 Acq: 24 Jul 2023 13:01

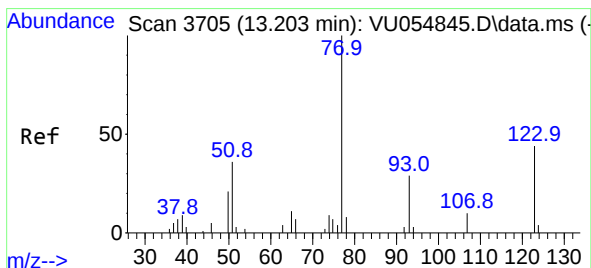
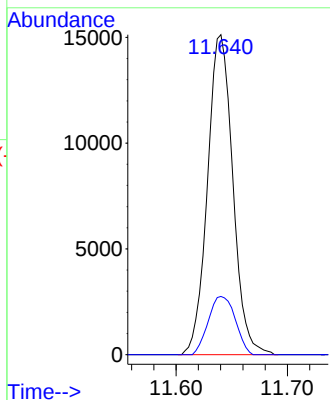
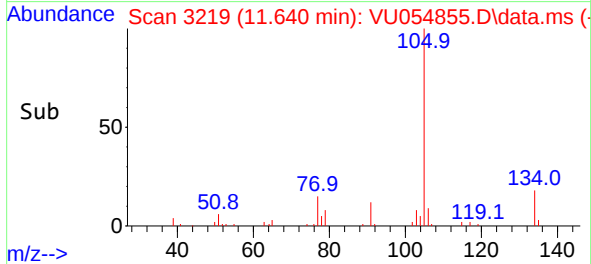
Instrument :
 MSVOA_U
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2023



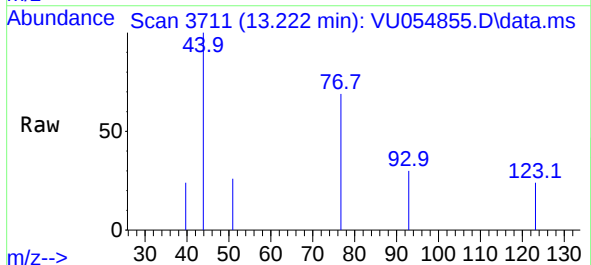
Tgt Ion:105 Resp: 2395
 Ion Ratio Lower Upper
 105 100
 134 19.3 15.7 23.5

Manual Integrations
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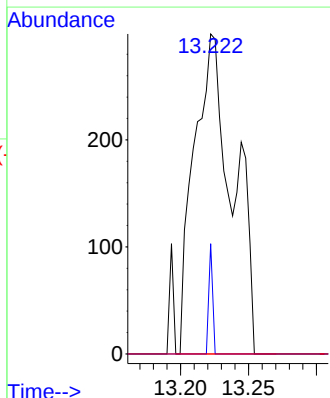
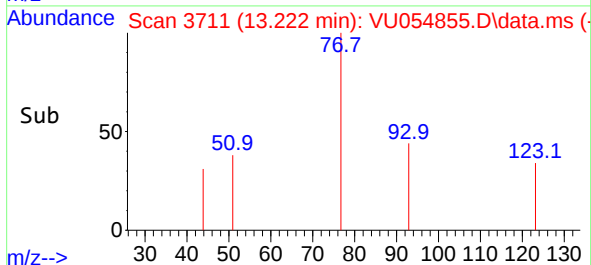
Reviewed By :John Carlone 07/25/2023
 Supervised By :Mahesh Dadoda 07/31/2023

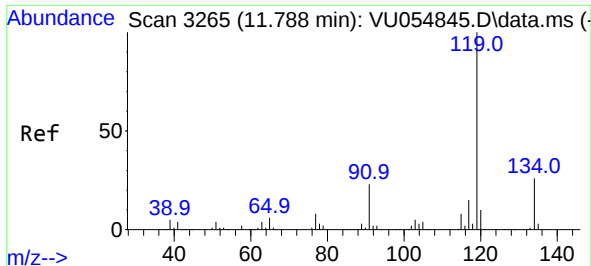


#80
 Nitrobenzene
 Concen: 3.482 ug/l m
 RT: 13.222 min Scan# 3711
 Delta R.T. 0.019 min
 Lab File: VU054855.D
 Acq: 24 Jul 2023 13:01



Tgt Ion: 77 Resp: 588
 Ion Ratio Lower Upper
 77 100
 123 0.0 20.2 71.8#
 65 0.0 11.7 14.9#





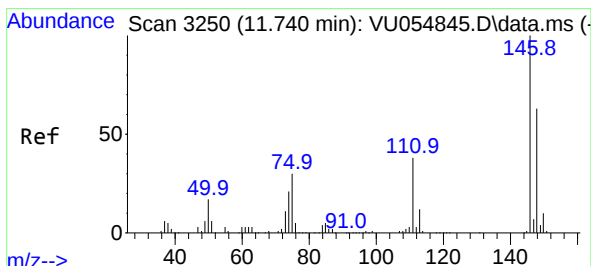
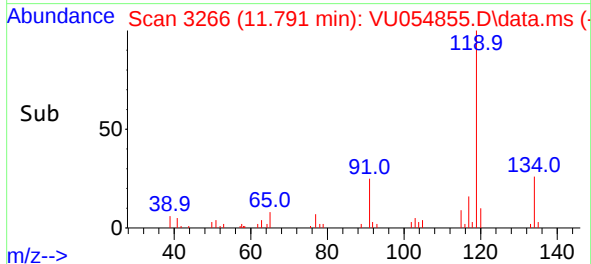
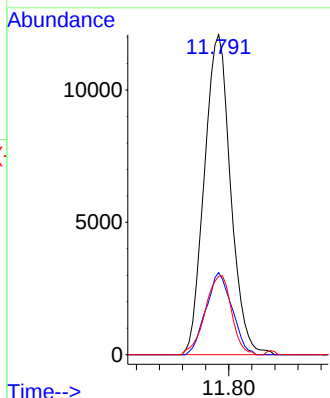
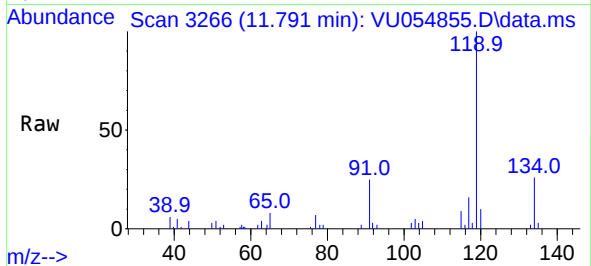
#81
p-Isopropyltoluene
Concen: 0.696 ug/l
RT: 11.791 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:119 Resp: 19064
Ion Ratio Lower Upper
119 100
134 25.4 20.6 31.0
91 24.7 18.2 27.4

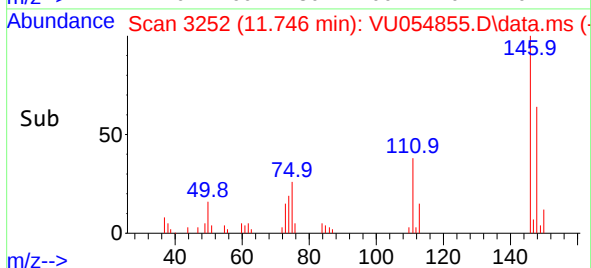
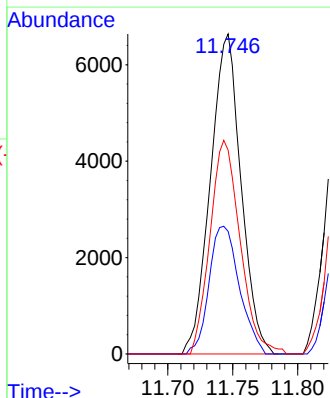
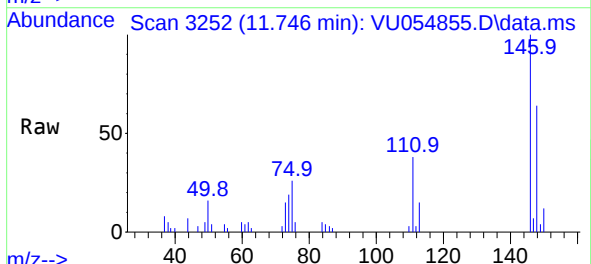
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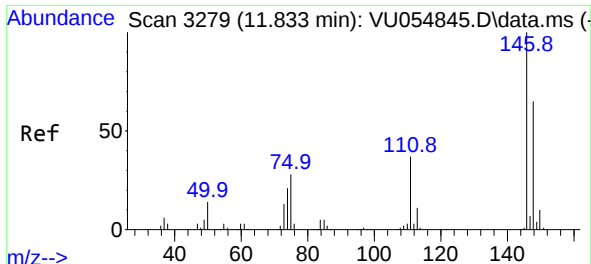
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#82
1,3-Dichlorobenzene
Concen: 0.761 ug/l
RT: 11.746 min Scan# 3252
Delta R.T. 0.007 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion:146 Resp: 10853
Ion Ratio Lower Upper
146 100
111 39.5 30.5 45.7
148 65.9 51.0 76.6





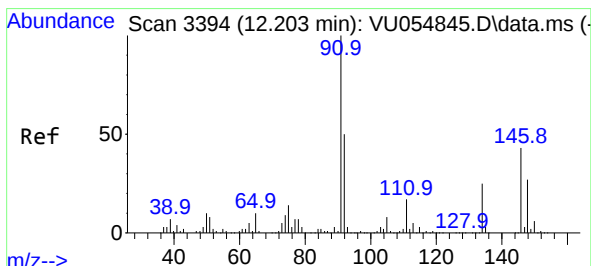
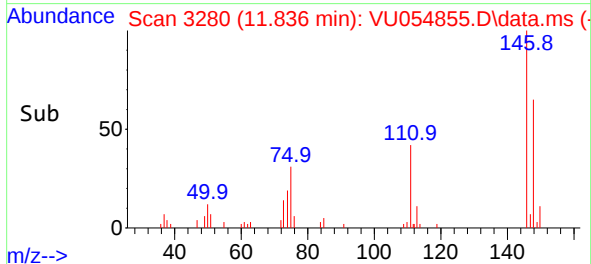
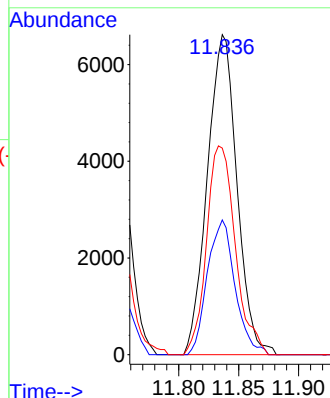
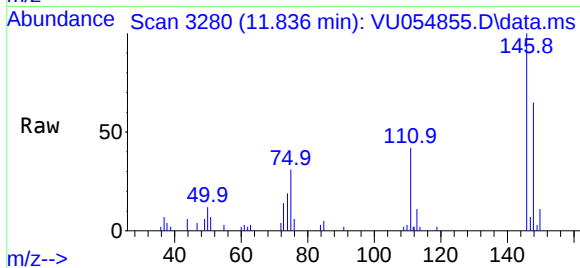
#83
1,4-Dichlorobenzene
Concen: 0.794 ug/l
RT: 11.836 min Scan# 311
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023

Tgt Ion:146 Resp: 1135
Ion Ratio Lower Upper
146 100
111 39.3 29.5 44.3
148 63.6 51.2 76.8

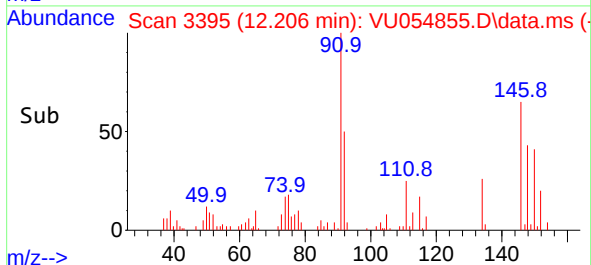
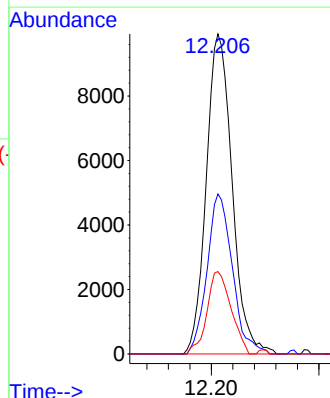
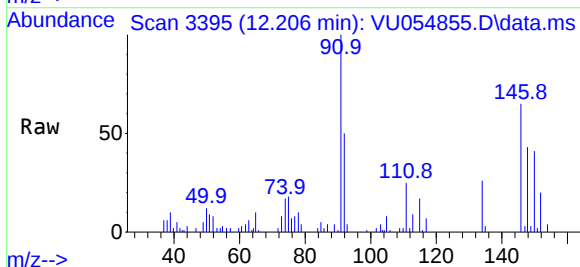
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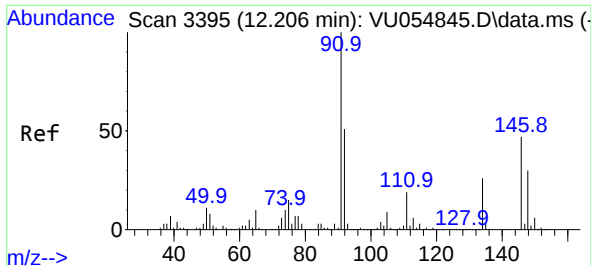
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#84
n-Butylbenzene
Concen: 0.657 ug/l
RT: 12.206 min Scan# 3395
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion: 91 Resp: 16543
Ion Ratio Lower Upper
91 100
92 49.0 39.8 59.8
134 24.0 20.2 30.4





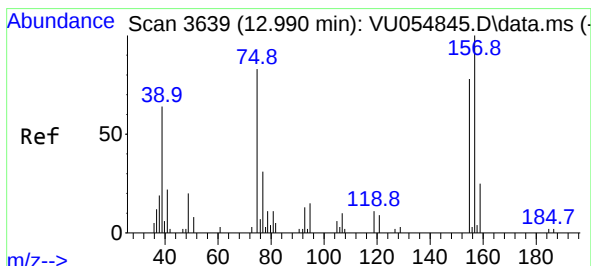
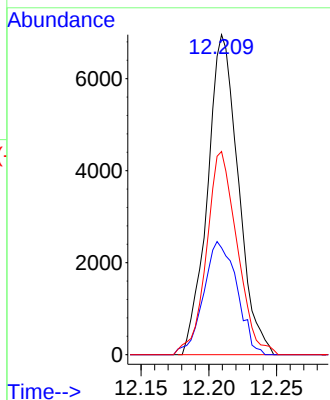
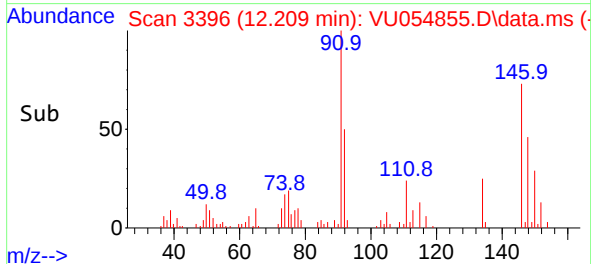
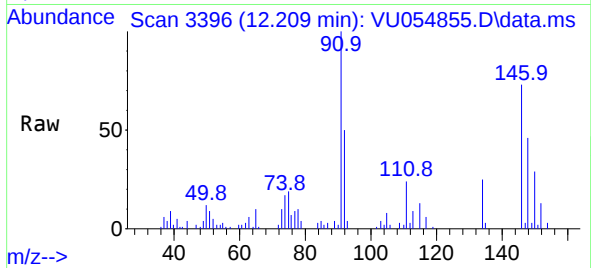
#85
1,2-Dichlorobenzene
Concen: 0.811 ug/l
RT: 12.209 min Scan# 3111
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023

Tgt Ion:146 Resp: 1101
Ion Ratio Lower Upper
146 100
111 38.2 19.8 59.4
148 63.0 31.8 95.3

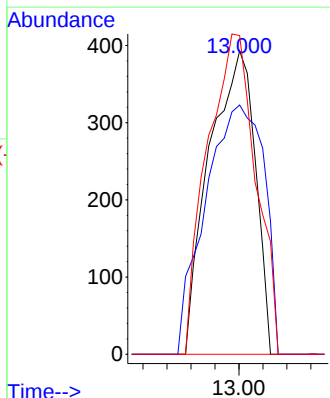
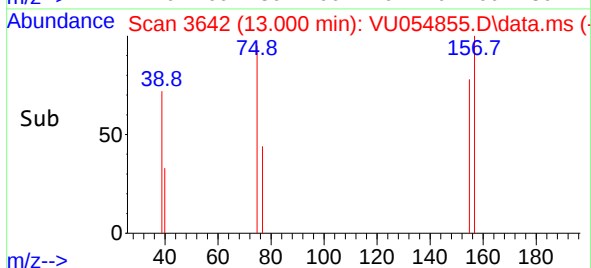
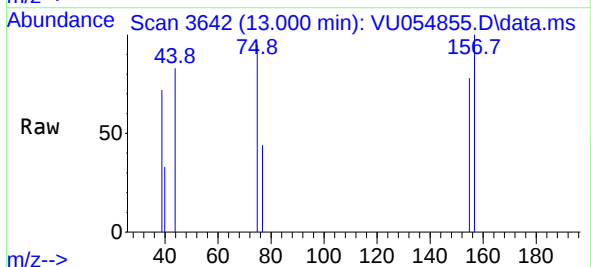
Manual Integrations
APPROVED

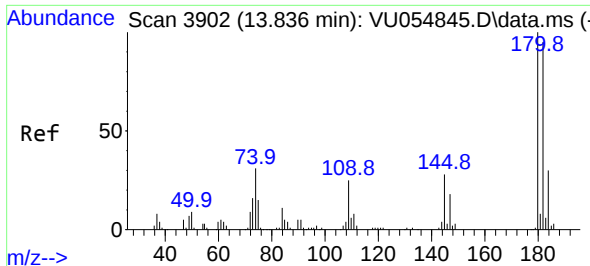
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#86
1,2-Dibromo-3-Chloropropane
Concen: 0.682 ug/l
RT: 13.000 min Scan# 3642
Delta R.T. 0.010 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

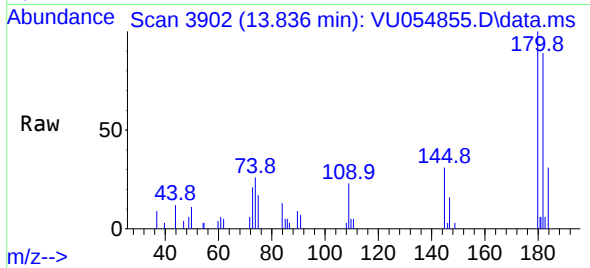
Tgt Ion: 75 Resp: 521
Ion Ratio Lower Upper
75 100
155 105.2 74.8 112.2
157 112.3 97.4 146.0





#87
1,2,4-Trichlorobenzene
Concen: 0.790 ug/l
RT: 13.836 min Scan# 3902
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

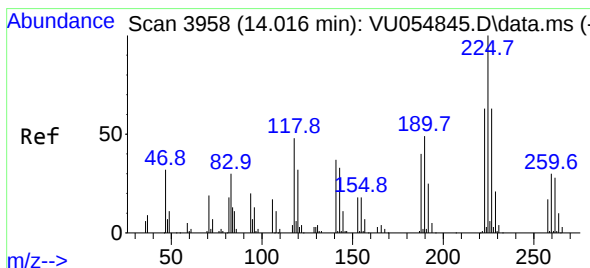
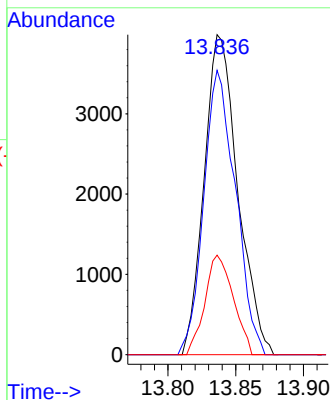
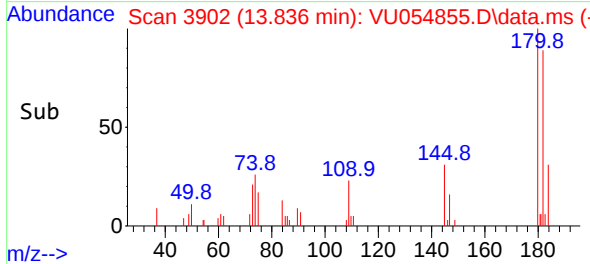
Instrument :
MSVOA_U
ClientSampleId :
LOD-MDL-WATER-01-QT3-2023



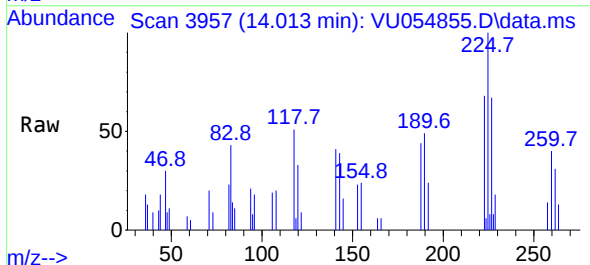
Tgt Ion:180 Resp: 6884
Ion Ratio Lower Upper
180 100
182 83.9 77.0 115.6
145 26.2 23.4 35.0

Manual Integrations
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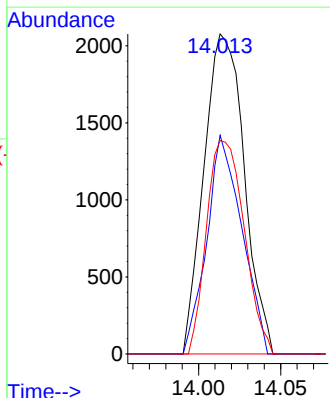
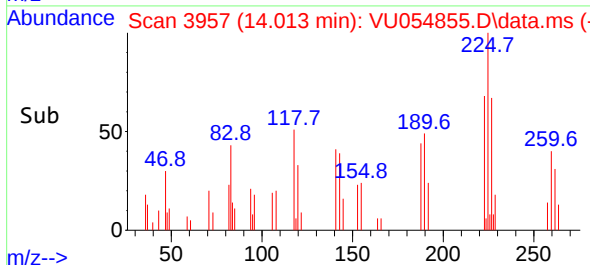
Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023

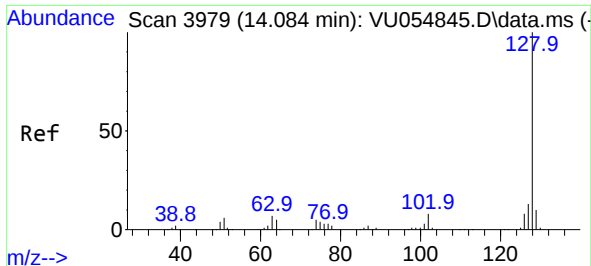


#88
Hexachlorobutadiene
Concen: 0.762 ug/l
RT: 14.013 min Scan# 3957
Delta R.T. -0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01



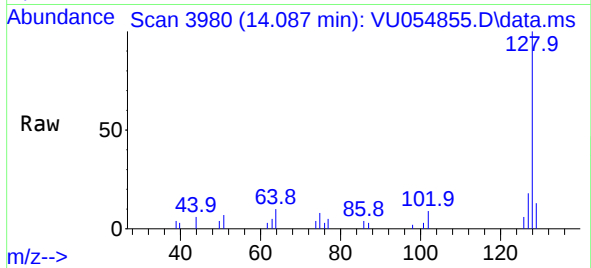
Tgt Ion:225 Resp: 3544
Ion Ratio Lower Upper
225 100
223 59.6 50.6 76.0
227 62.3 50.7 76.1





#89
Naphthalene
Concen: 0.737 ug/l
RT: 14.087 min Scan# 3979
Delta R.T. 0.003 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

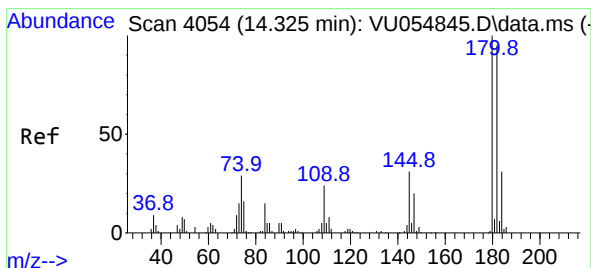
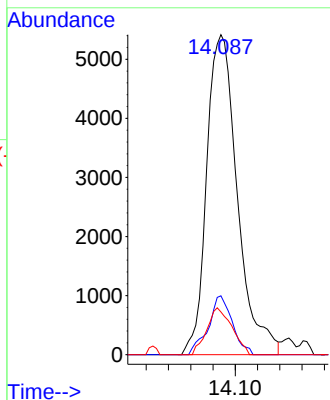
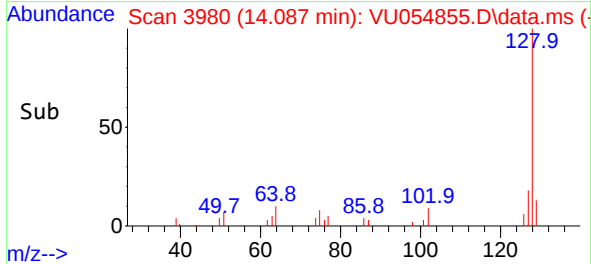
Instrument : MSVOA_U
ClientSampleId : LOD-MDL-WATER-01-QT3-2023



Tgt Ion:128 Resp: 10372
Ion Ratio Lower Upper
128 100
127 14.4 10.6 15.8
129 12.0 8.7 13.1

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Reviewed By :John Carlone 07/25/2023
Supervised By :Mahesh Dadoda 07/31/2023



#90
1,2,3-Trichlorobenzene
Concen: 0.736 ug/l
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU054855.D
Acq: 24 Jul 2023 13:01

Tgt Ion:180 Resp: 5543
Ion Ratio Lower Upper
180 100
182 103.6 76.0 114.0
145 27.6 24.3 36.5

