

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077697.D
 Acq On : 16 May 2023 17:02
 Operator : JC\MD
 Sample : 02213-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2023

Quant Time: May 17 05:01:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 17 04:54:58 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 05/17/2023
 Supervised By : Mahesh Dadoda 05/17/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	350896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	663358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	556278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	220956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	289271	55.096	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.200%			
35) Dibromofluoromethane	8.171	113	224818	51.973	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.940%			
50) Toluene-d8	10.577	98	849181	51.002	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.000%			
62) 4-Bromofluorobenzene	12.853	95	268799	45.711	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.420%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	4110	1.029	ug/l	74
3) Chloromethane	2.365	50	5780	1.207	ug/l #	82
4) Vinyl Chloride	2.518	62	5919	1.176	ug/l #	85
5) Bromomethane	2.971	94	6160m	1.654	ug/l	
6) Chloroethane	3.136	64	5753	1.586	ug/l #	85
7) Trichlorofluoromethane	3.506	101	7930	1.130	ug/l	95
8) Diethyl Ether	3.971	74	3095	1.208	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	3803m	0.979	ug/l	
10) Methyl Iodide	4.606	142	5260	1.136	ug/l #	93
11) Tert butyl alcohol	5.548	59	5199m	7.175	ug/l	
12) 1,1-Dichloroethene	4.353	96	4033	1.093	ug/l #	45
13) Acrolein	4.195	56	2779	5.393	ug/l #	67
14) Allyl chloride	5.036	41	6279	1.158	ug/l #	67
15) Acrylonitrile	5.724	53	10898	5.630	ug/l #	88
16) Acetone	4.448	43	10496	6.354	ug/l	95
17) Carbon Disulfide	4.724	76	9798	0.985	ug/l #	94
18) Methyl Acetate	5.048	43	7736	1.116	ug/l #	73
19) Methyl tert-butyl Ether	5.812	73	12791	0.958	ug/l #	81
20) Methylene Chloride	5.277	84	7239	1.463	ug/l #	84
21) trans-1,2-Dichloroethene	5.789	96	4500	1.085	ug/l #	75
22) Diisopropyl ether	6.683	45	12655	0.996	ug/l #	81
23) Vinyl Acetate	6.612	43	43974	5.585	ug/l #	87
24) 1,1-Dichloroethane	6.583	63	8358	1.074	ug/l #	81
25) 2-Butanone	7.500	43	14742	5.705	ug/l	93
26) 2,2-Dichloropropane	7.494	77	6796	1.027	ug/l	89
27) cis-1,2-Dichloroethene	7.494	96	5146	1.035	ug/l	85
28) Bromochloromethane	7.818	49	2903	0.862	ug/l	90
29) Tetrahydrofuran	7.853	42	9067	5.359	ug/l #	66
30) Chloroform	7.971	83	8486	0.991	ug/l #	74
31) Cyclohexane	8.236	56	14144m	1.982	ug/l	
32) 1,1,1-Trichloroethane	8.183	97	7704	1.058	ug/l #	41
36) 1,1-Dichloropropene	8.371	75	6443	1.018	ug/l	95
37) Ethyl Acetate	7.571	43	6386	1.132	ug/l #	94
38) Carbon Tetrachloride	8.371	117	5976	0.935	ug/l	96
39) Methylcyclohexane	9.606	83	7013	0.905	ug/l #	69
40) Benzene	8.612	78	19275	1.032	ug/l #	87

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 Supervised By :Mahesh Dadoda 05/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.794	41	2480	0.826	ug/l #	73
42) 1,2-Dichloroethane	8.671	62	7858	1.159	ug/l	95
43) Isopropyl Acetate	8.700	43	9585	1.041	ug/l	99
44) Trichloroethene	9.359	130	4780	1.011	ug/l	95
45) 1,2-Dichloropropane	9.630	63	4572	0.960	ug/l #	89
46) Dibromomethane	9.718	93	3611	1.060	ug/l	94
47) Bromodichloromethane	9.900	83	6993	1.072	ug/l #	82
48) Methyl methacrylate	9.683	41	4454	1.020	ug/l	86
49) 1,4-Dioxane	9.700	88	1501	18.197	ug/l #	78
51) 4-Methyl-2-Pentanone	10.453	43	28226	5.155	ug/l	87
52) Toluene	10.641	92	12642	1.088	ug/l	99
53) t-1,3-Dichloropropene	10.841	75	6141	0.889	ug/l	95
54) cis-1,3-Dichloropropene	10.324	75	6927	0.910	ug/l #	86
55) 1,1,2-Trichloroethane	11.024	97	4852	1.051	ug/l #	85
56) Ethyl methacrylate	10.882	69	5442	0.780	ug/l #	79
57) 1,3-Dichloropropane	11.171	76	7715	0.975	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	15789	4.599	ug/l	94
59) 2-Hexanone	11.206	43	21626	5.340	ug/l	84
60) Dibromochloromethane	11.365	129	3889	0.816	ug/l	92
61) 1,2-Dibromoethane	11.477	107	4247	0.922	ug/l	93
64) Tetrachloroethene	11.112	164	4185	1.076	ug/l	92
65) Chlorobenzene	11.900	112	12557	1.041	ug/l #	78
66) 1,1,1,2-Tetrachloroethane	11.971	131	4308	1.032	ug/l #	63
67) Ethyl Benzene	11.971	91	19954	0.923	ug/l	99
68) m/p-Xylenes	12.077	106	14820	1.810	ug/l	97
69) o-Xylene	12.412	106	7434	0.923	ug/l	98
70) Styrene	12.418	104	11406	0.892	ug/l	94
71) Bromoform	12.582	173	2283	0.822	ug/l #	75
73) Isopropylbenzene	12.700	105	18965	0.996	ug/l	98
74) N-amyl acetate	12.500	43	6848	0.973	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.947	83	6556	1.119	ug/l	93
76) 1,2,3-Trichloropropane	13.006	75	5272m	0.953	ug/l	
77) Bromobenzene	12.988	156	4937	1.136	ug/l	94
78) n-propylbenzene	13.041	91	22746	1.013	ug/l	94
79) 2-Chlorotoluene	13.129	91	14160	1.057	ug/l	95
80) 1,3,5-Trimethylbenzene	13.182	105	15071	0.941	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	1593m	0.920	ug/l	
82) 4-Chlorotoluene	13.229	91	13321	0.999	ug/l	100
83) tert-Butylbenzene	13.441	119	14115	1.010	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	15121	0.960	ug/l	97
85) sec-Butylbenzene	13.623	105	18324	0.923	ug/l	97
86) p-Isopropyltoluene	13.741	119	14494	0.915	ug/l	96
87) 1,3-Dichlorobenzene	13.747	146	8385	1.043	ug/l	93
88) 1,4-Dichlorobenzene	13.818	146	8205m	1.029	ug/l	
89) n-Butylbenzene	14.059	91	11845	0.813	ug/l	93
90) Hexachloroethane	14.341	117	2544	0.978	ug/l	99
91) 1,2-Dichlorobenzene	14.112	146	8067	1.074	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.729	75	1341	1.182	ug/l	79
93) 1,2,4-Trichlorobenzene	15.400	180	3910	0.891	ug/l	91
94) Hexachlorobutadiene	15.506	225	1554	0.853	ug/l	65
95) Naphthalene	15.653	128	13386	0.886	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.853	180	3875	0.902	ug/l	98

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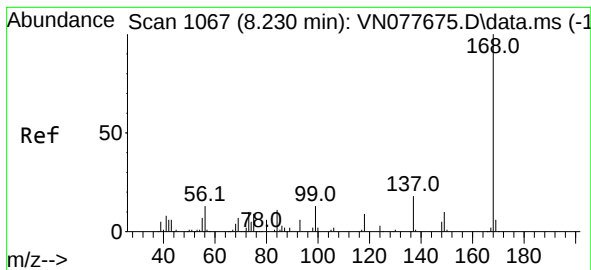
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 05/17/2023

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Quant Title : SW846 8260
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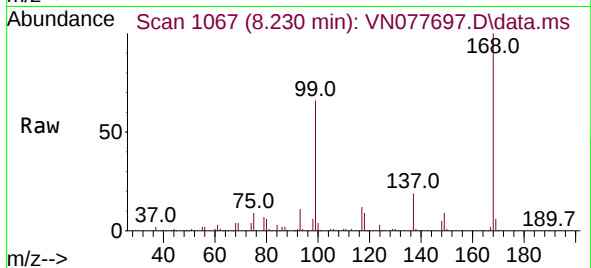
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN077697.D
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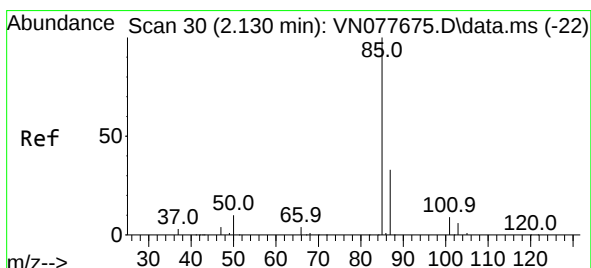
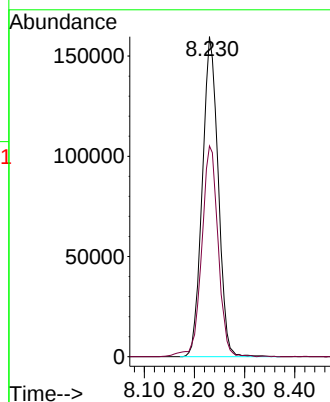
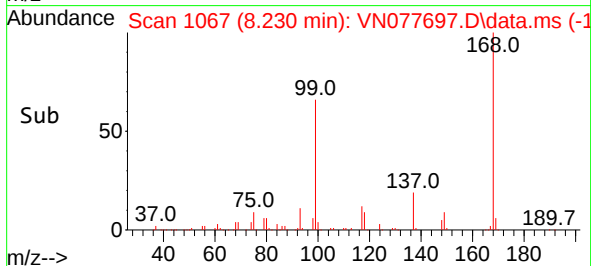
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion:168 Resp: 350890
Ion Ratio Lower Upper
168 100
99 65.9 53.0 79.6

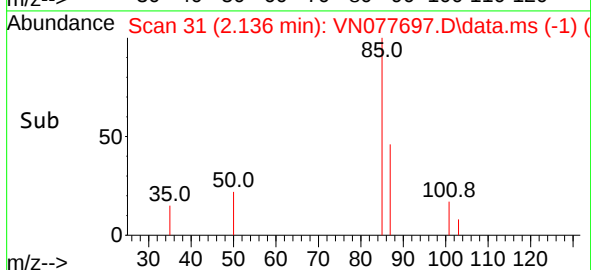
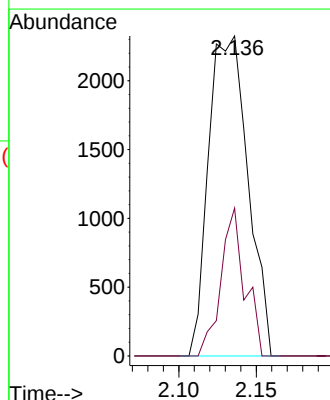
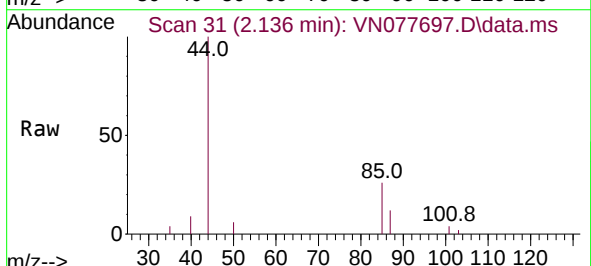
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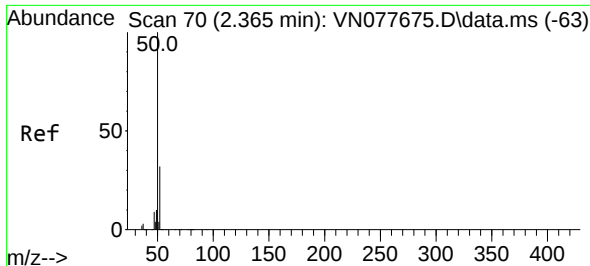
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#2
Dichlorodifluoromethane
Concen: 1.029 ug/l
RT: 2.136 min Scan# 31
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

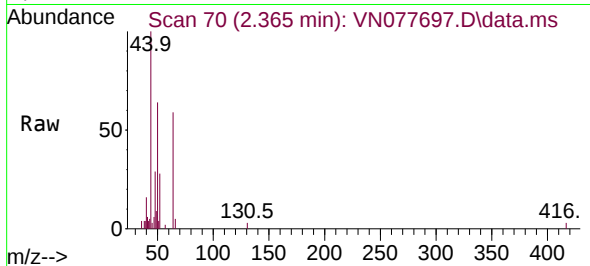
Tgt Ion: 85 Resp: 4110
Ion Ratio Lower Upper
85 100
87 46.2 15.8 47.4





#3
Chloromethane
Concen: 1.207 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

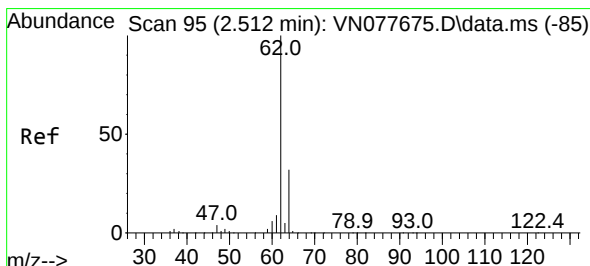
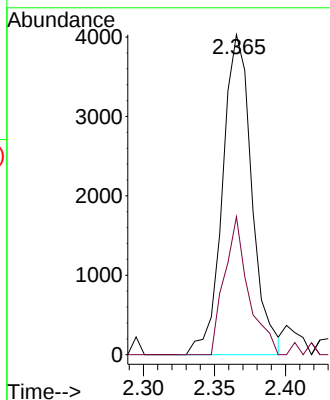
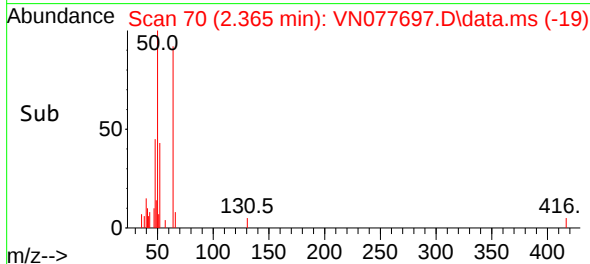
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Tgt Ion: 50 Resp: 5780
Ion Ratio Lower Upper
50 100
52 43.1 26.5 39.7

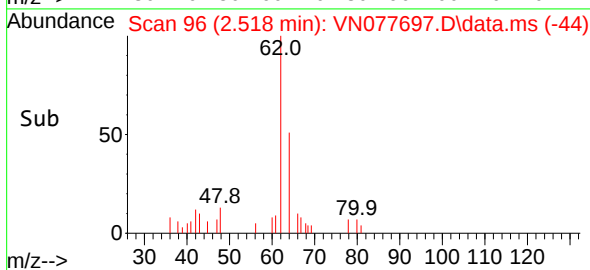
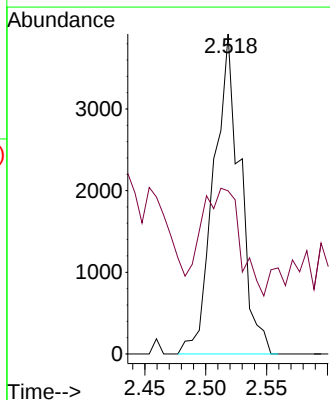
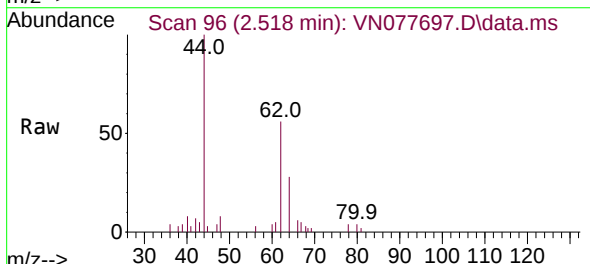
Manual Integrations
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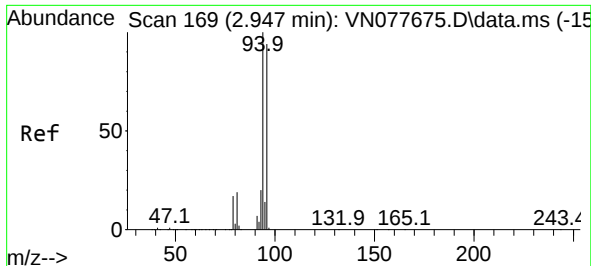
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#4
Vinyl Chloride
Concen: 1.176 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

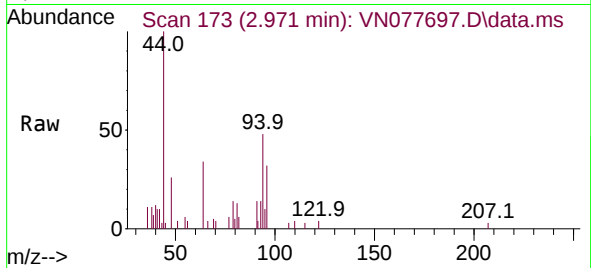
Tgt Ion: 62 Resp: 5919
Ion Ratio Lower Upper
62 100
64 24.0 26.2 39.2





#5
Bromomethane
Concen: 1.654 ug/l m
RT: 2.971 min Scan# 1
Delta R.T. 0.024 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

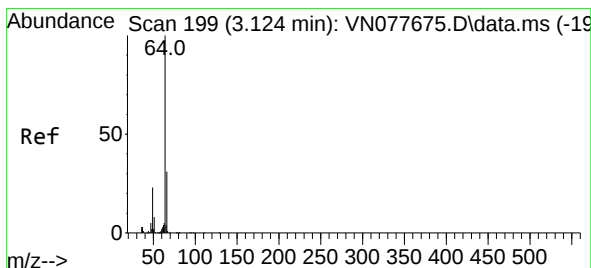
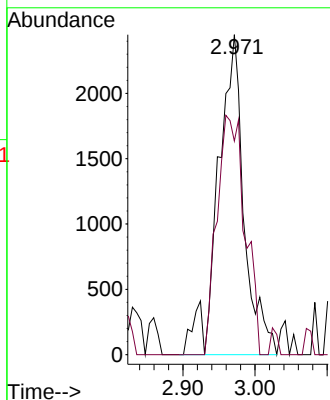
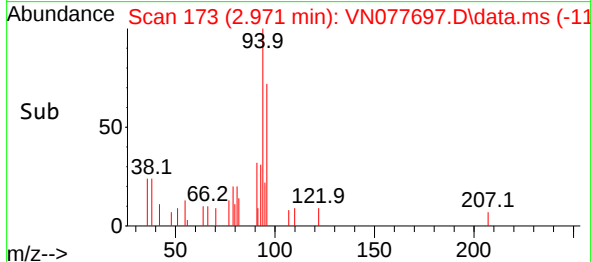
Instrument :
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Tgt Ion: 94 Resp: 6160
Ion Ratio Lower Upper
94 100
96 66.7 73.1 109.7

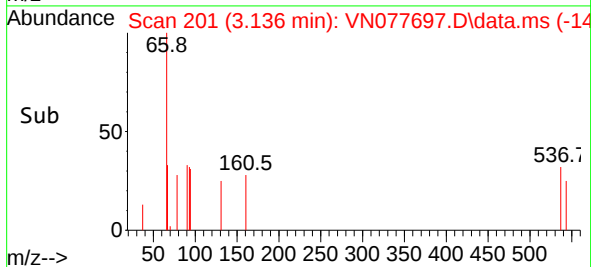
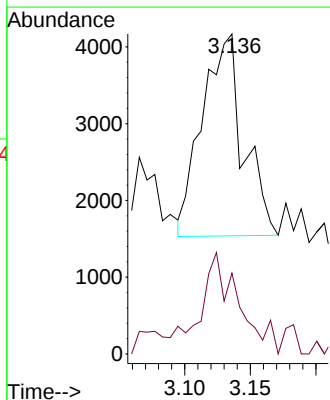
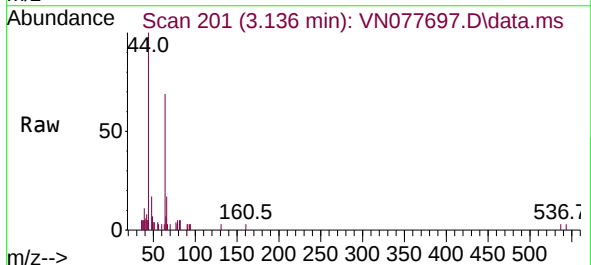
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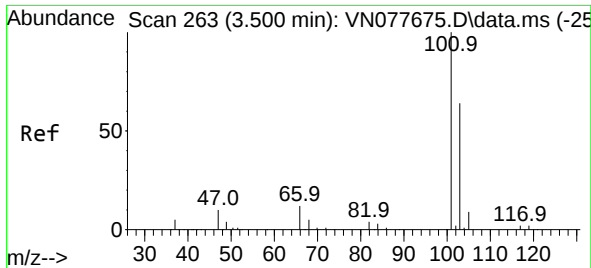
Reviewed By :John Carlone 05/17/2023
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#6
Chloroethane
Concen: 1.586 ug/l
RT: 3.136 min Scan# 201
Delta R.T. 0.012 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

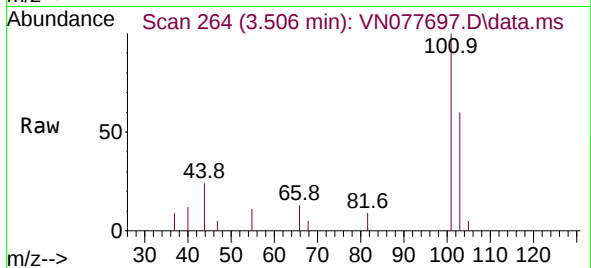
Tgt Ion: 64 Resp: 5753
Ion Ratio Lower Upper
64 100
66 40.1 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 1.130 ug/l
 RT: 3.506 min Scan# 210
 Delta R.T. 0.006 min
 Lab File: VN077697.D
 Acq: 16 May 2023 17:02

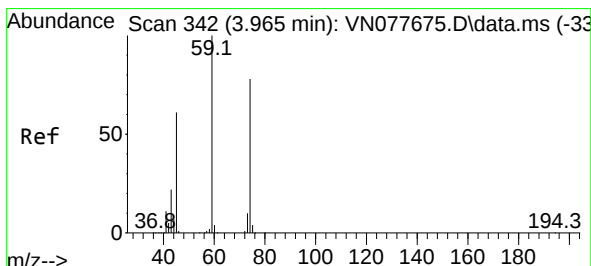
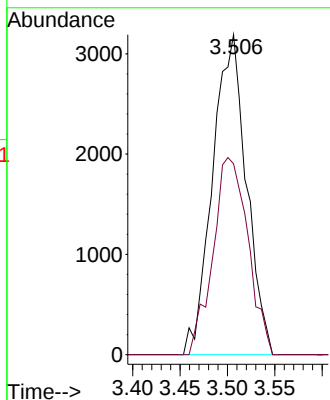
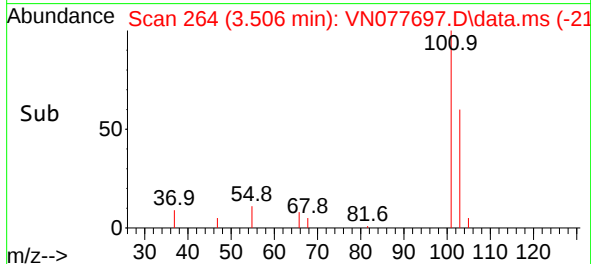
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2023



Tgt Ion:101 Resp: 7930
 Ion Ratio Lower Upper
 101 100
 103 59.7 50.7 76.1

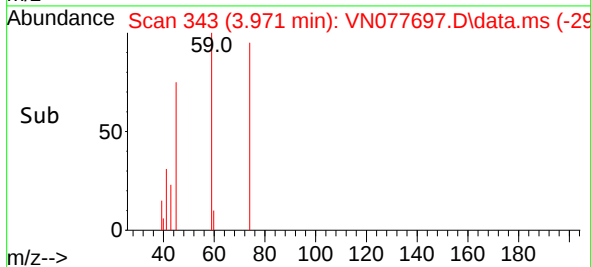
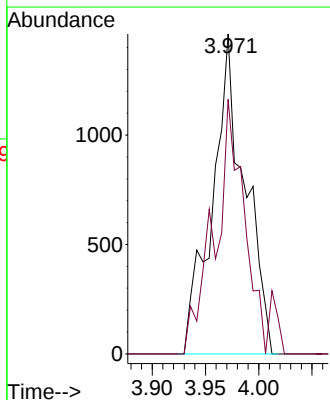
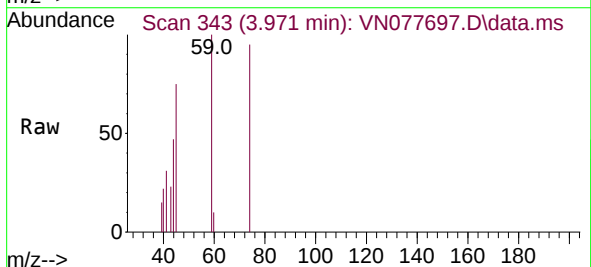
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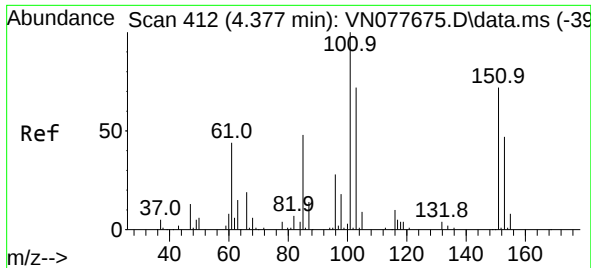
Reviewed By :John Carlone 05/17/2023
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#8
 Diethyl Ether
 Concen: 1.208 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. 0.006 min
 Lab File: VN077697.D
 Acq: 16 May 2023 17:02

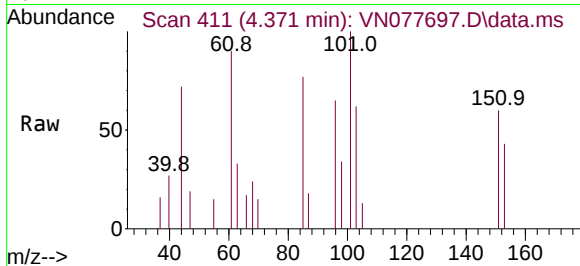
Tgt Ion: 74 Resp: 3095
 Ion Ratio Lower Upper
 74 100
 45 72.6 34.4 103.3





#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.979 ug/l m
RT: 4.371 min Scan# 412
Delta R.T. -0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

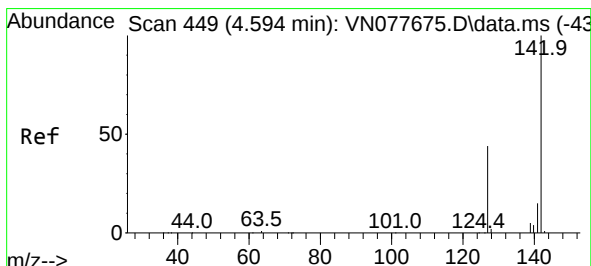
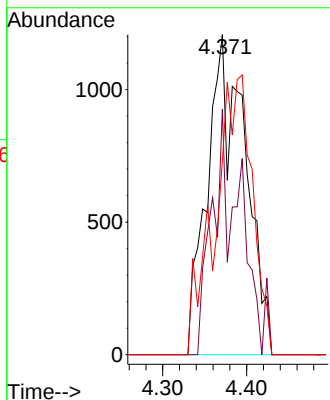
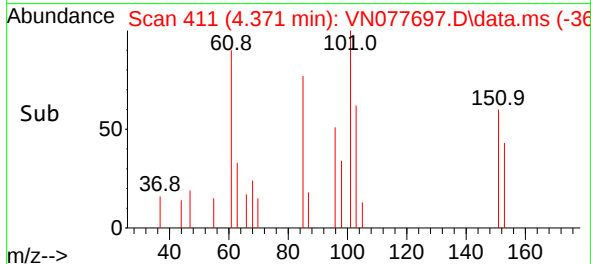
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



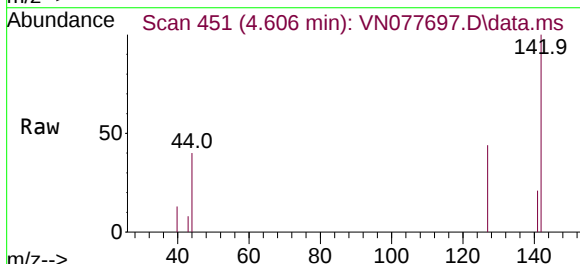
Tgt Ion:101 Resp: 380
Ion Ratio Lower Upper
101 100
85 28.8 36.6 55.0
151 16.7 57.6 86.4

Manual Integrations
APPROVED

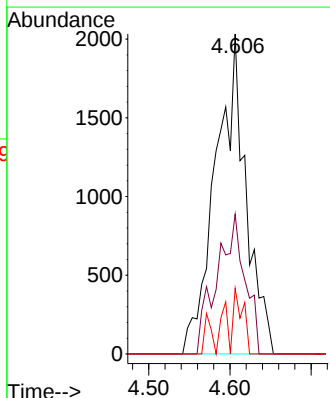
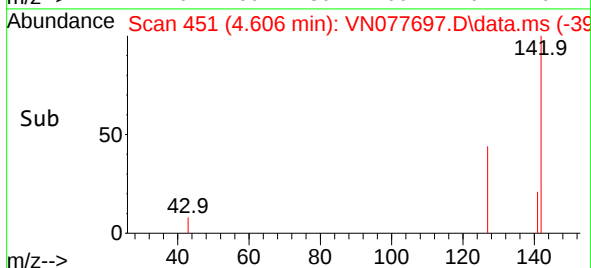
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

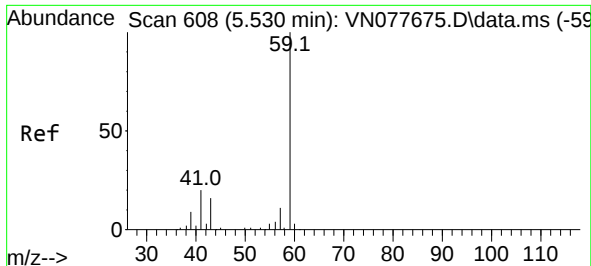


#10
Methyl Iodide
Concen: 1.136 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.012 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



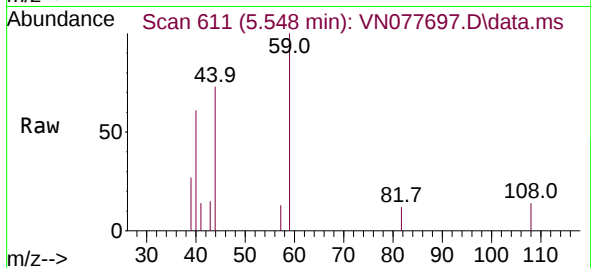
Tgt Ion:142 Resp: 5260
Ion Ratio Lower Upper
142 100
127 43.7 37.6 56.4
141 20.5 11.4 17.0





#11
Tert butyl alcohol
Concen: 7.175 ug/l m
RT: 5.548 min Scan# 611
Delta R.T. 0.018 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

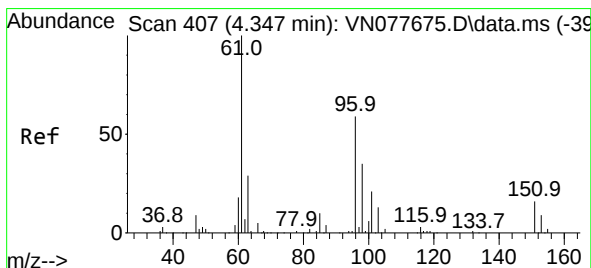
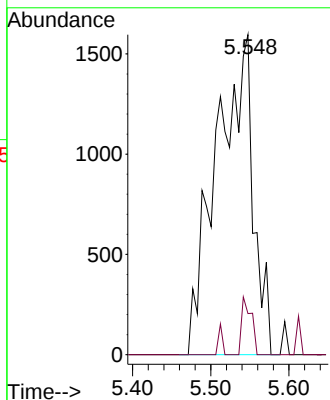
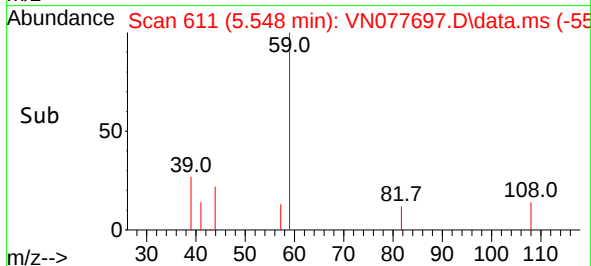
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



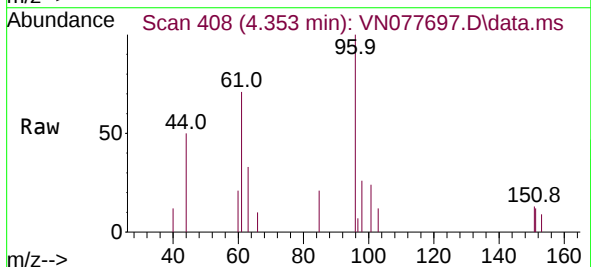
Tgt Ion: 59 Resp: 5199
Ion Ratio Lower Upper
59 100
57 1.0 8.2 12.4

Manual Integrations
APPROVED

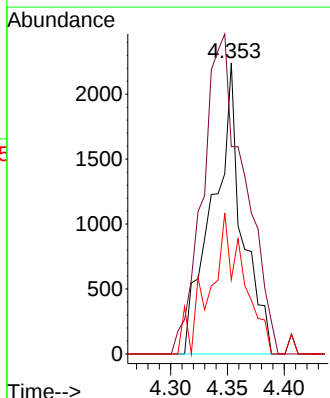
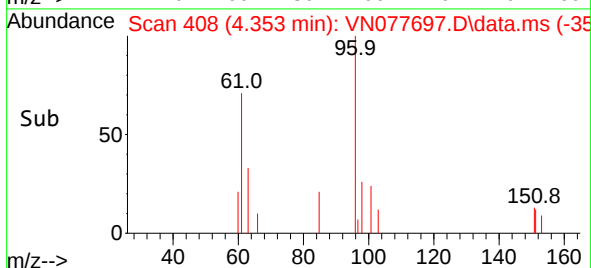
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

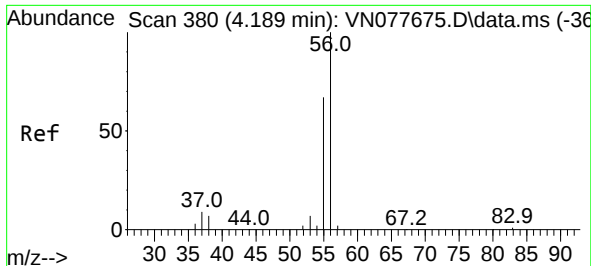


#12
1,1-Dichloroethene
Concen: 1.093 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



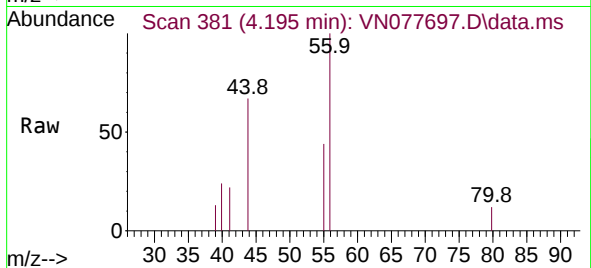
Tgt Ion: 96 Resp: 4033
Ion Ratio Lower Upper
96 100
61 71.3 112.7 169.1#
98 25.6 51.2 76.8#





#13
Acrolein
Concen: 5.393 ug/l
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

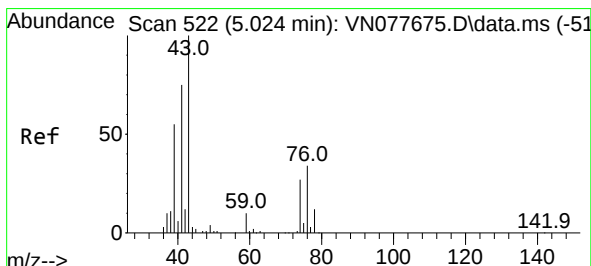
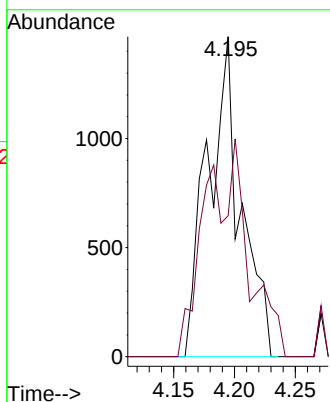
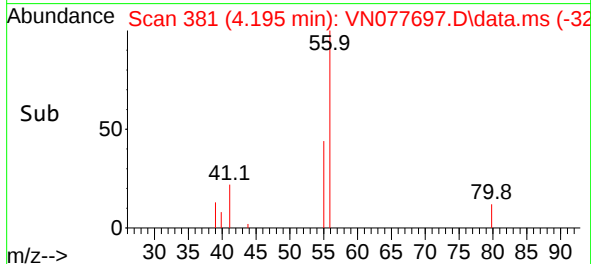
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



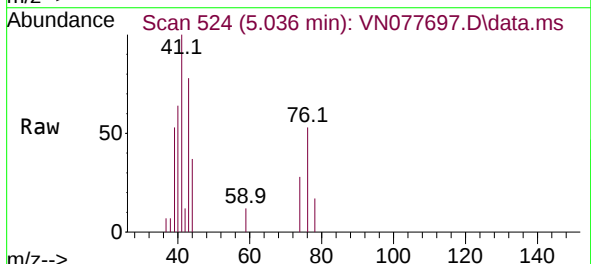
Tgt Ion: 56 Resp: 2779
Ion Ratio Lower Upper
56 100
55 41.8 54.5 81.7

Manual Integrations
APPROVED

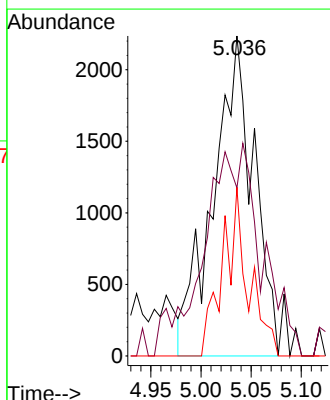
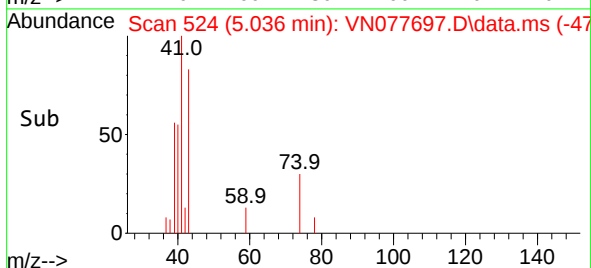
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

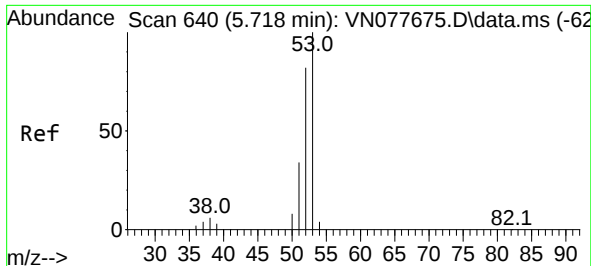


#14
Allyl chloride
Concen: 1.158 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.012 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



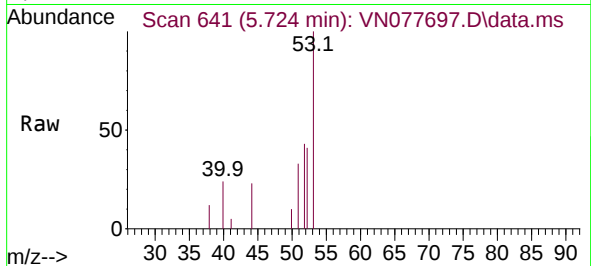
Tgt Ion: 41 Resp: 6279
Ion Ratio Lower Upper
41 100
39 39.6 58.8 88.2#
76 33.2 39.1 58.7#





#15
Acrylonitrile
Concen: 5.630 ug/l
RT: 5.724 min Scan# 641
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

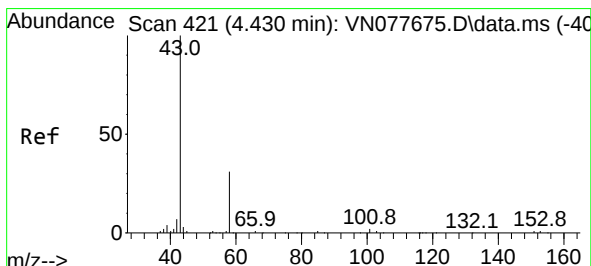
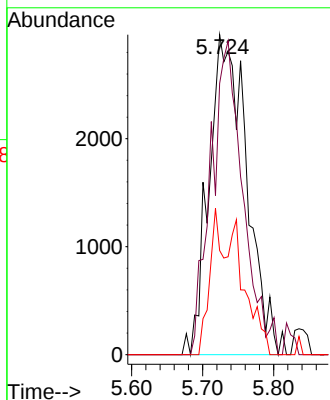
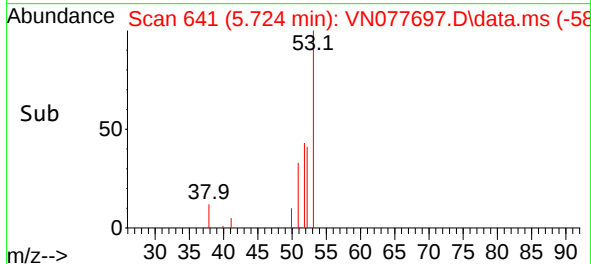
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



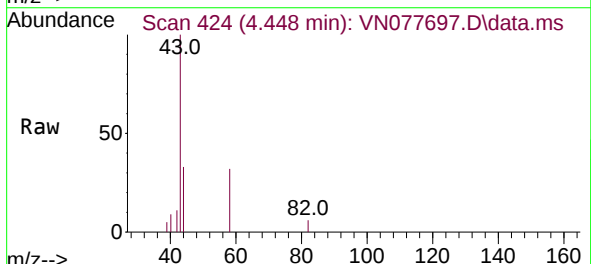
Tgt Ion: 53 Resp: 10898
Ion Ratio Lower Upper
53 100
52 83.9 65.3 97.9
51 15.7 28.9 43.3

Manual Integrations
APPROVED

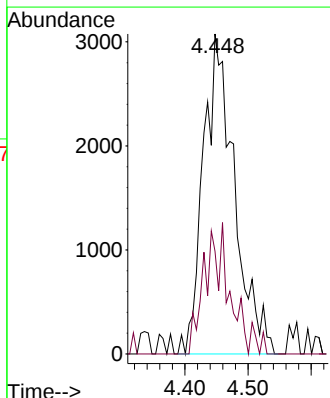
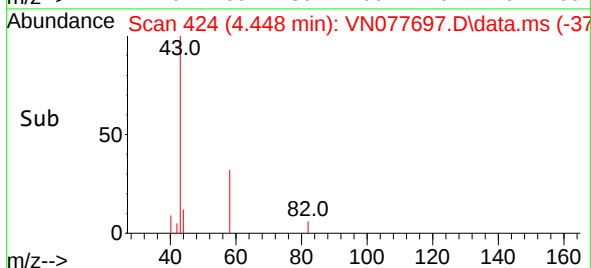
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

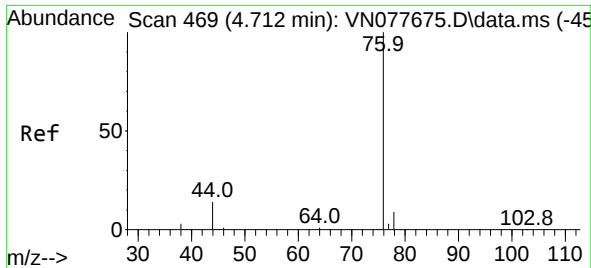


#16
Acetone
Concen: 6.354 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



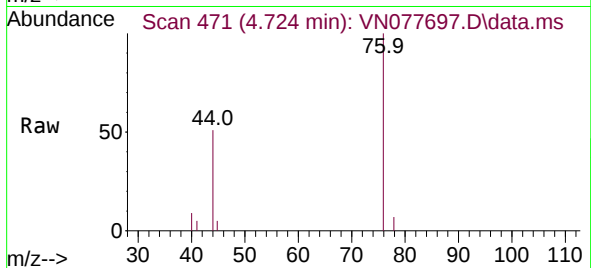
Tgt Ion: 43 Resp: 10496
Ion Ratio Lower Upper
43 100
58 32.1 28.0 42.0





#17
Carbon Disulfide
Concen: 0.985 ug/l
RT: 4.724 min Scan# 471
Delta R.T. 0.012 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

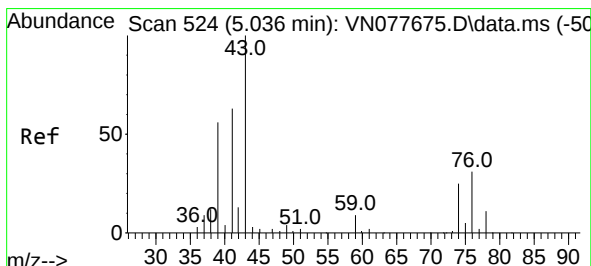
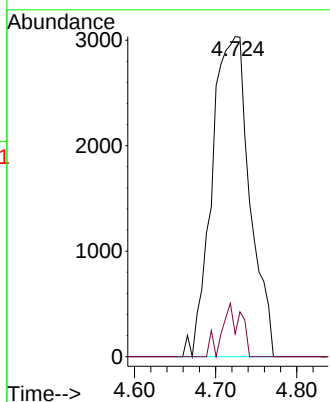
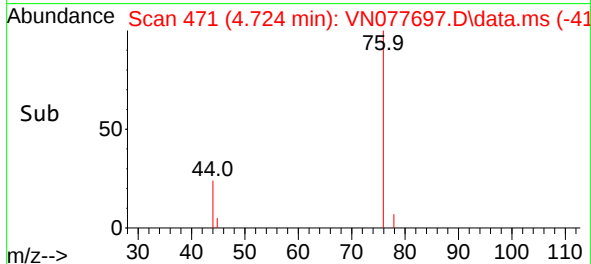
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



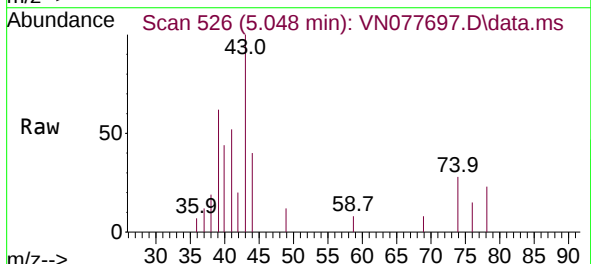
Tgt Ion: 76 Resp: 9798
Ion Ratio Lower Upper
76 100
78 7.2 7.4 11.0

Manual Integrations
APPROVED

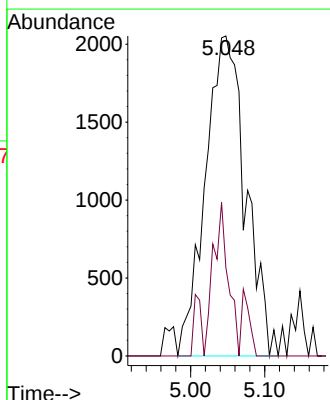
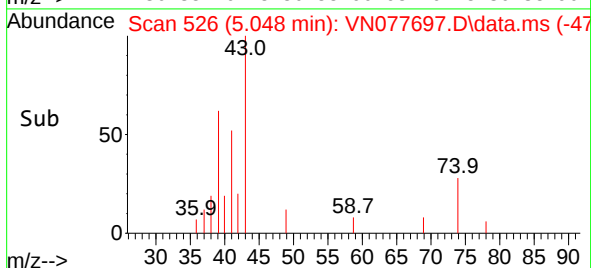
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

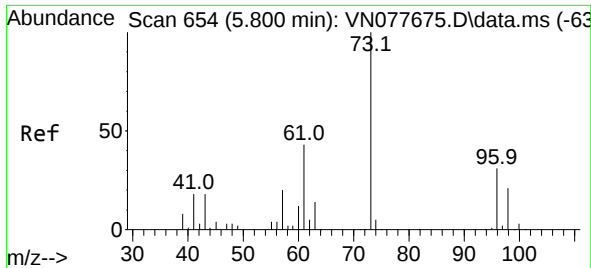


#18
Methyl Acetate
Concen: 1.116 ug/l
RT: 5.048 min Scan# 526
Delta R.T. 0.012 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



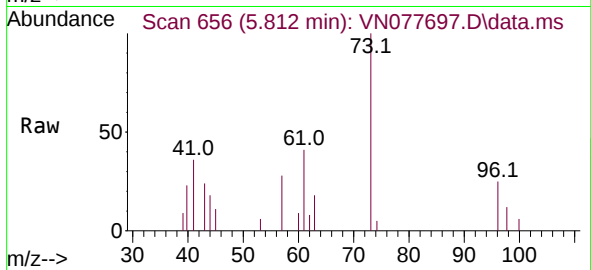
Tgt Ion: 43 Resp: 7736
Ion Ratio Lower Upper
43 100
74 17.8 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 0.958 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

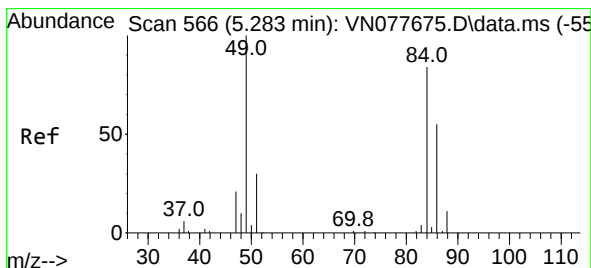
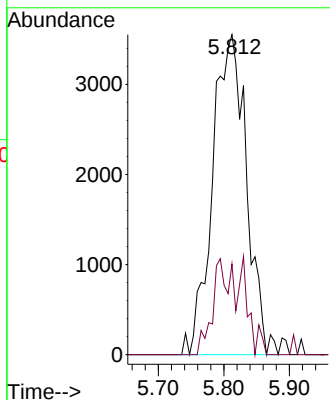
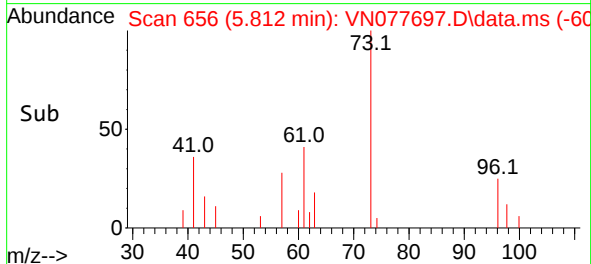
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion: 73 Resp: 1279
Ion Ratio Lower Upper
73 100
57 28.3 15.6 23.4

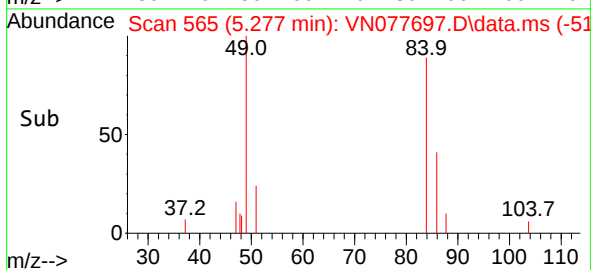
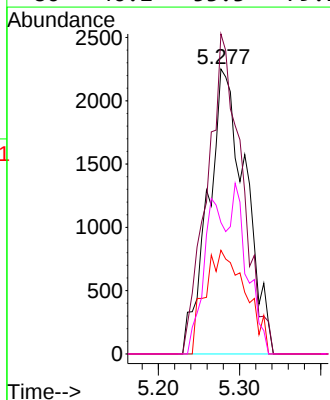
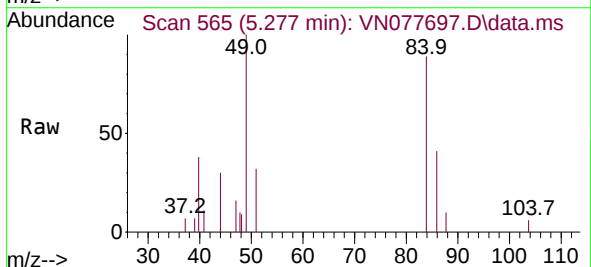
Manual Integrations
APPROVED

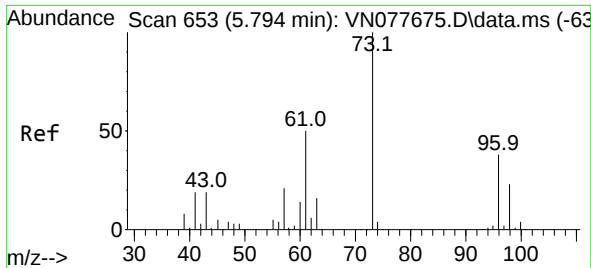
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#20
Methylene Chloride
Concen: 1.463 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

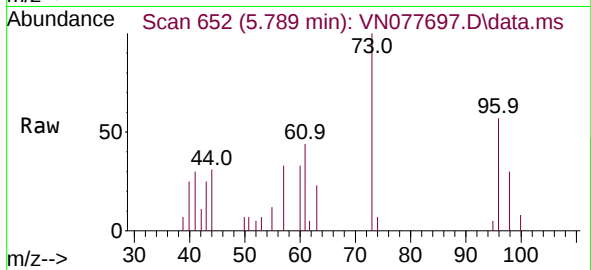
Tgt Ion: 84 Resp: 7239
Ion Ratio Lower Upper
84 100
49 112.3 79.7 119.5
51 36.4 25.2 37.8
86 46.2 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 1.085 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

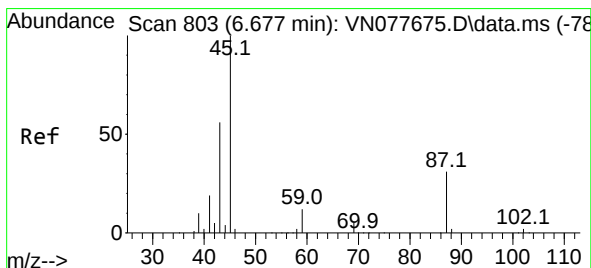
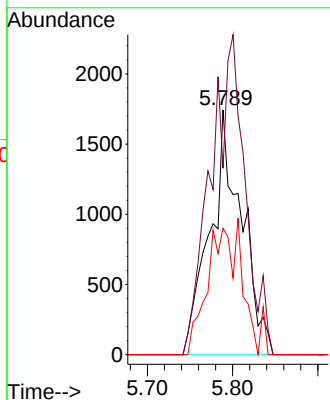
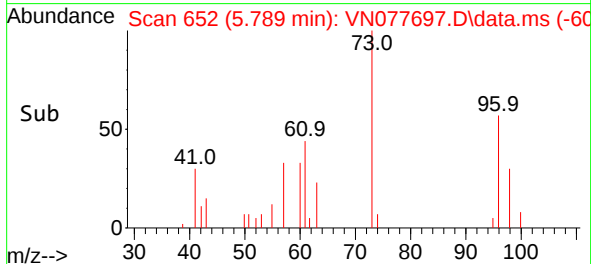
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion: 96 Resp: 4500
Ion Ratio Lower Upper
96 100
61 76.2 90.1 135.1#
98 51.7 46.4 69.6

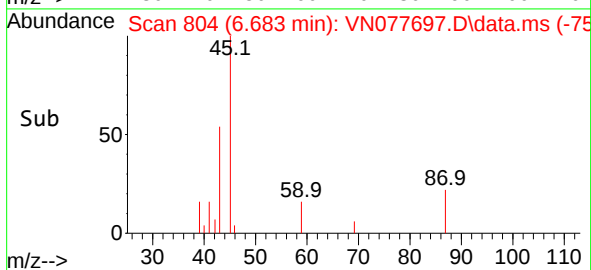
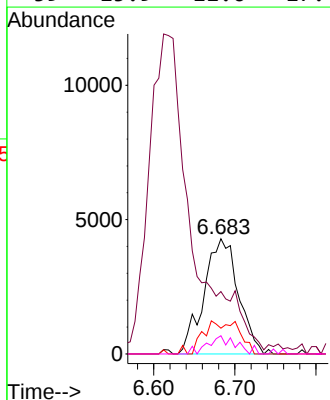
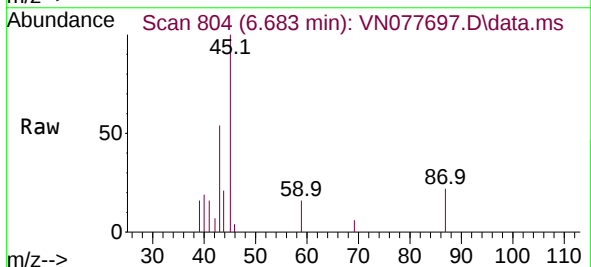
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#22
Diisopropyl ether
Concen: 0.996 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

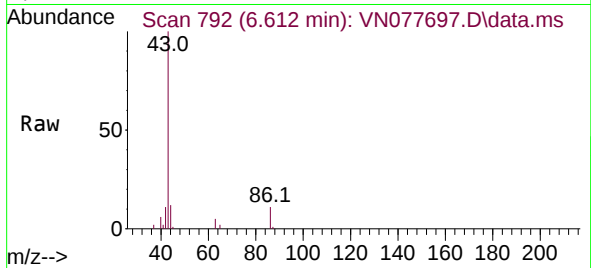
Tgt Ion: 45 Resp: 12655
Ion Ratio Lower Upper
45 100
43 45.4 45.5 68.3#
87 22.3 31.8 47.8#
59 15.9 11.6 17.4





#23
 Vinyl Acetate
 Concen: 5.585 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN077697.D
 Acq: 16 May 2023 17:02

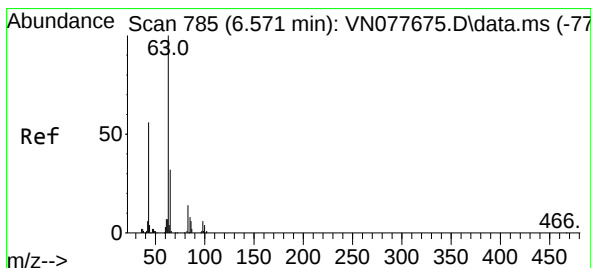
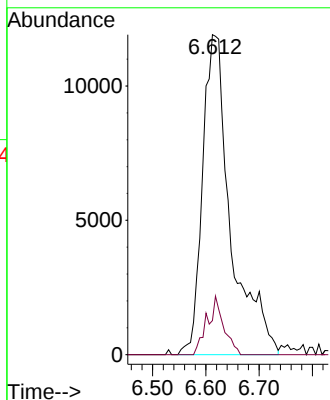
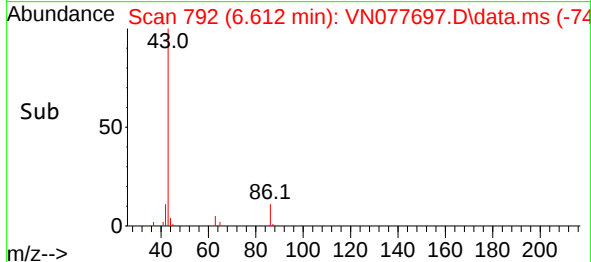
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2023



Tgt Ion: 43 Resp: 43974
 Ion Ratio Lower Upper
 43 100
 86 10.6 13.0 19.6

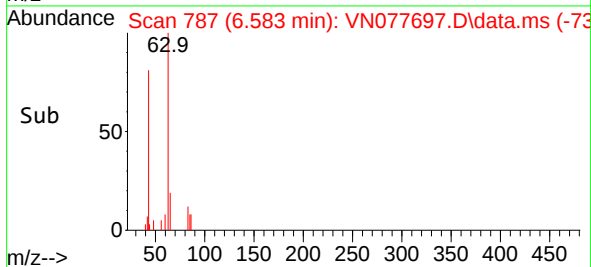
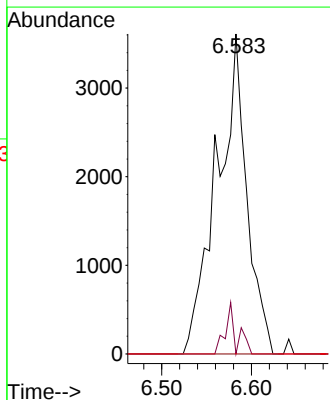
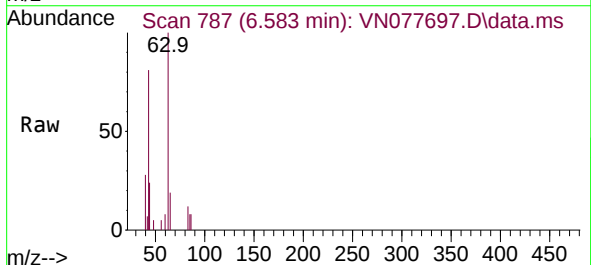
Manual Integrations
 APPROVED

Reviewed By :John Carlone 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#24
 1,1-Dichloroethane
 Concen: 1.074 ug/l
 RT: 6.583 min Scan# 787
 Delta R.T. 0.012 min
 Lab File: VN077697.D
 Acq: 16 May 2023 17:02

Tgt Ion: 63 Resp: 8358
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.5 7.4#





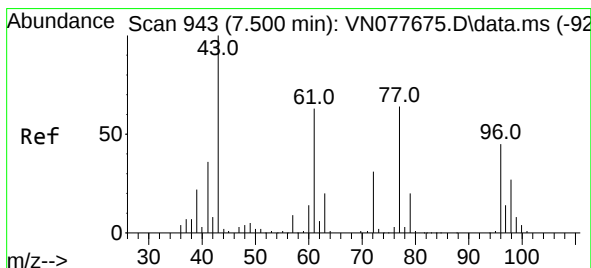
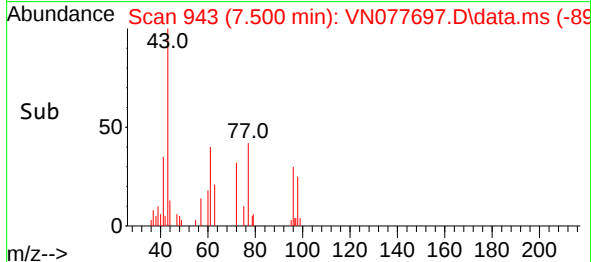
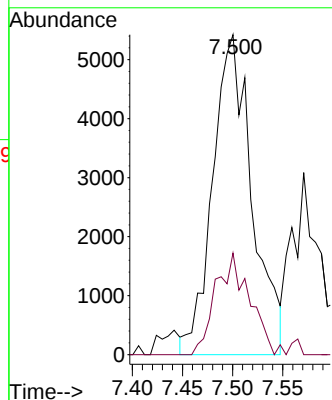
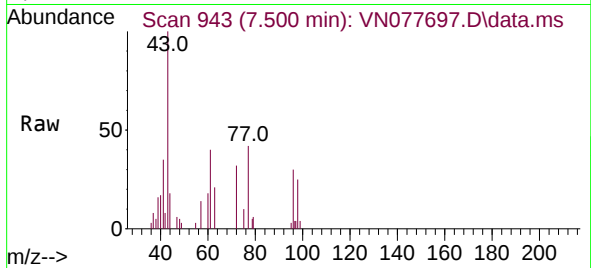
#25
2-Butanone
Concen: 5.705 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.012 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023

Tgt Ion: 43 Resp: 1474
Ion Ratio Lower Upper
43 100
72 33.6 30.2 45.2

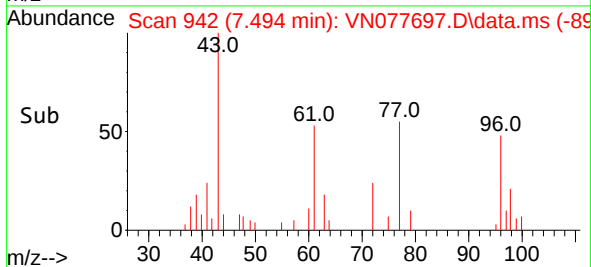
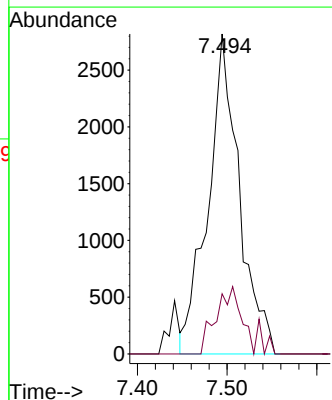
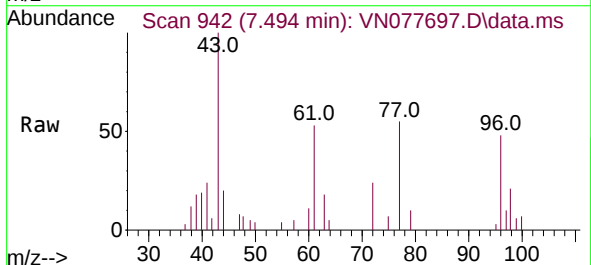
Manual Integrations
APPROVED

Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#26
2,2-Dichloropropane
Concen: 1.027 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Tgt Ion: 77 Resp: 6796
Ion Ratio Lower Upper
77 100
97 17.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 1.035 ug/l

RT: 7.494 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN077697.D

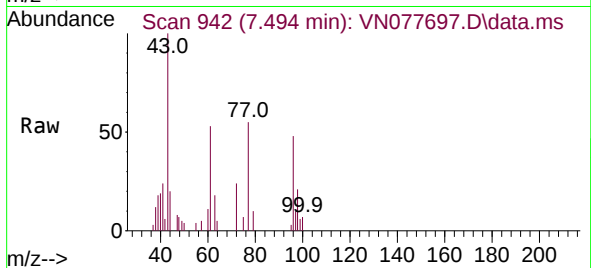
Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023



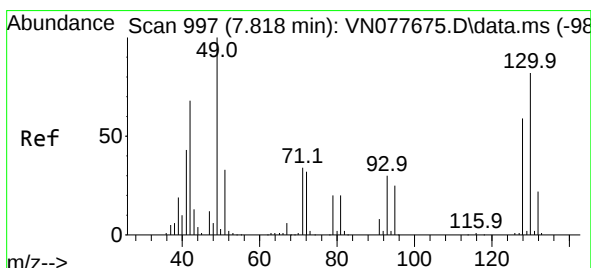
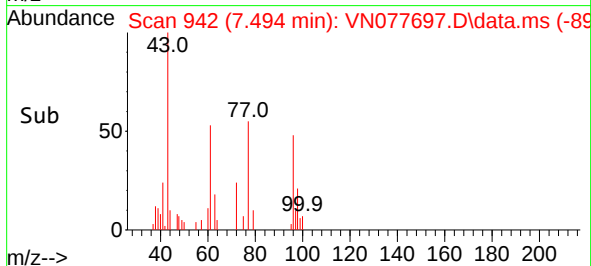
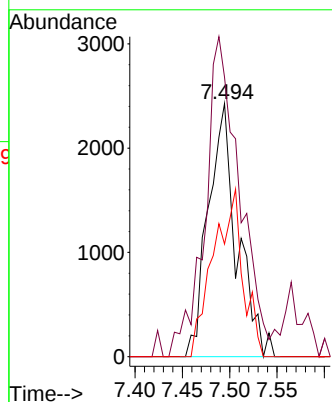
Tgt Ion:	96	Resp:	514
Ion Ratio	100	Lower	Upper
96	100		
61	150.8	0.0	255.2
98	67.8	0.0	128.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#28

Bromochloromethane

Concen: 0.862 ug/l

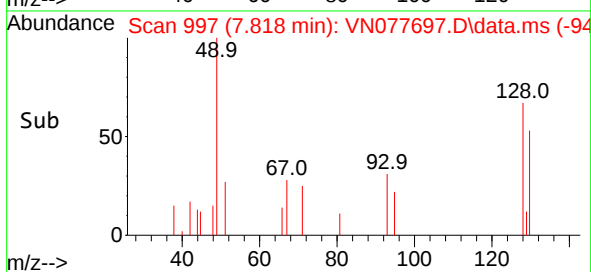
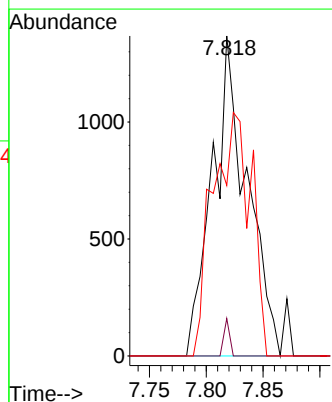
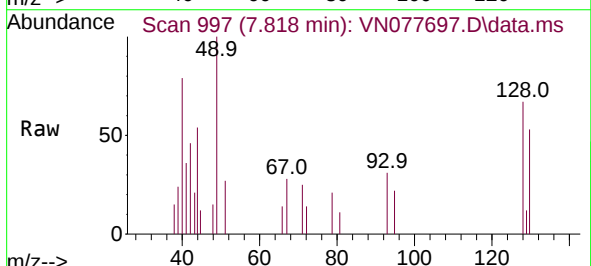
RT: 7.818 min Scan# 997

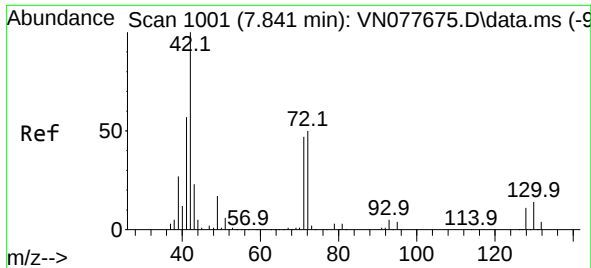
Delta R.T. -0.000 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Tgt Ion:	49	Resp:	2903
Ion Ratio	100	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	84.0	75.3	112.9





#29

Tetrahydrofuran

Concen: 5.359 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN077697.D

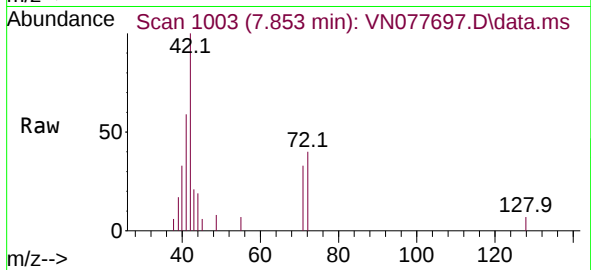
Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023



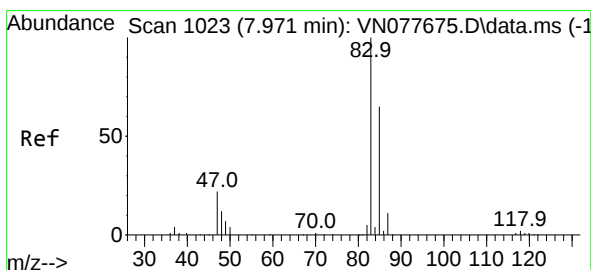
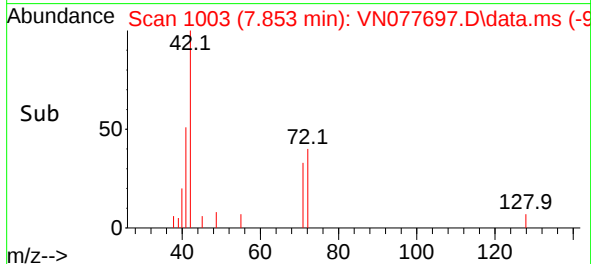
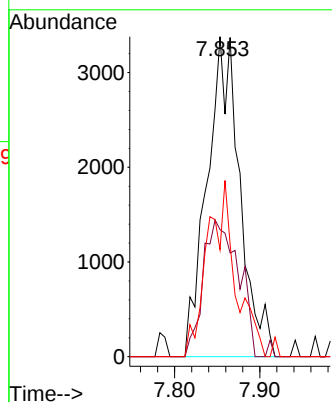
Tgt Ion:	42	Resp:	906
Ion Ratio	Lower	Upper	
42	100		
72	45.8	49.8	74.6
71	24.2	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#30

Chloroform

Concen: 0.991 ug/l

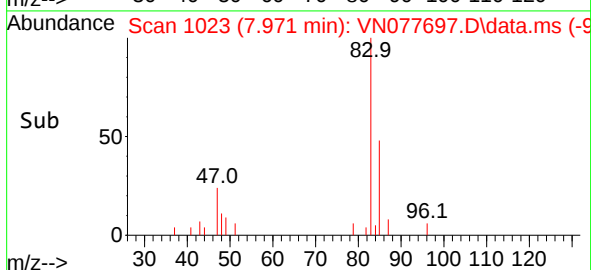
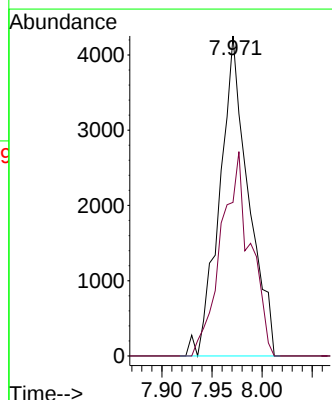
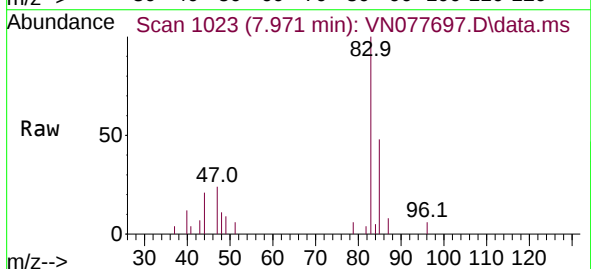
RT: 7.971 min Scan# 1023

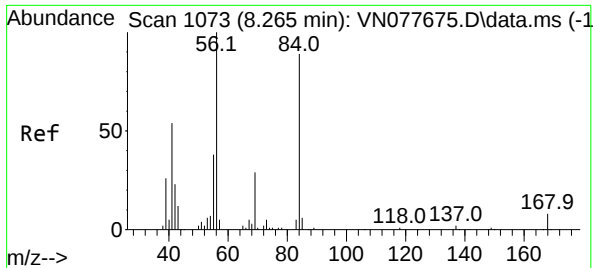
Delta R.T. -0.000 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

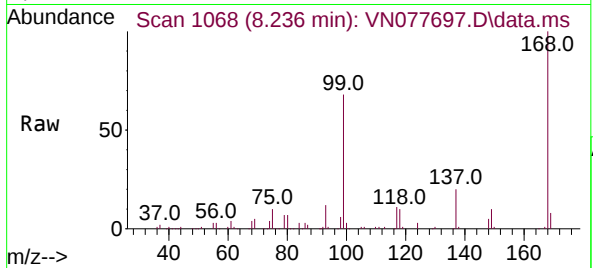
Tgt Ion:	83	Resp:	8486
Ion Ratio	Lower	Upper	
83	100		
85	48.0	55.4	83.0





#31
Cyclohexane
Concen: 1.982 ug/l m
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

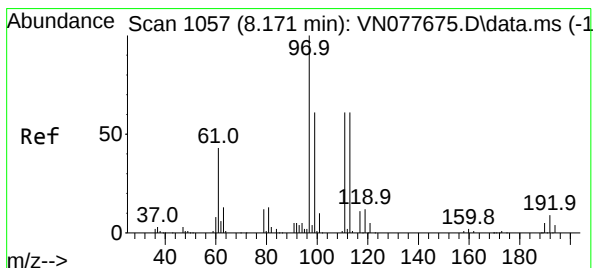
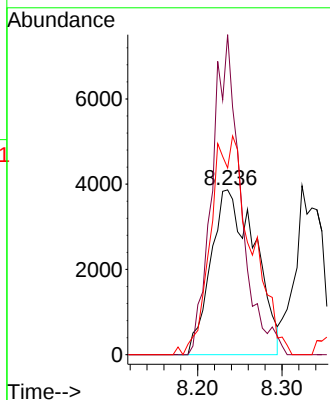
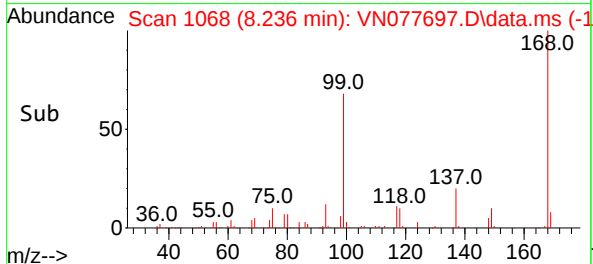
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT2-2023



Tgt Ion: 56 Resp: 1414
Ion Ratio Lower Upper
56 100
69 194.1 26.8 40.2#
84 113.3 81.8 122.6

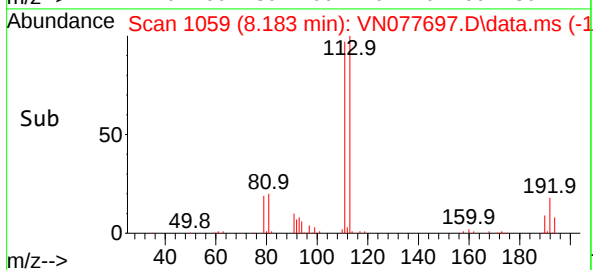
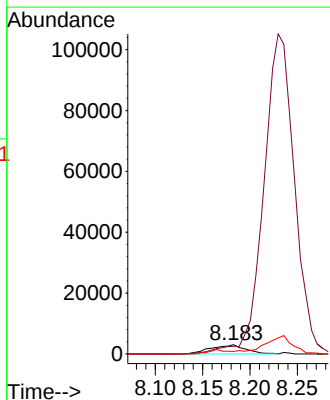
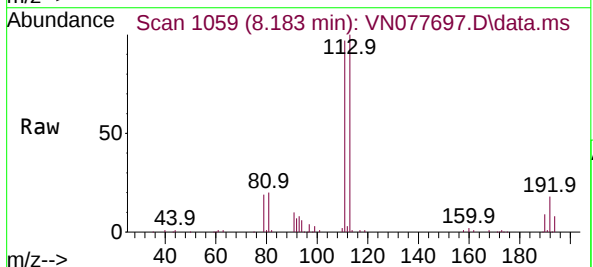
Manual Integrations
APPROVED

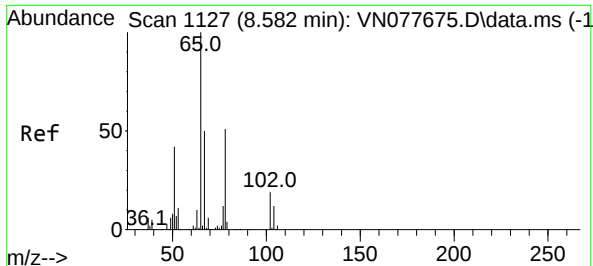
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#32
1,1,1-Trichloroethane
Concen: 1.058 ug/l
RT: 8.183 min Scan# 1059
Delta R.T. 0.012 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Tgt Ion: 97 Resp: 7704
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 26.7 34.7 52.1#





#33

1,2-Dichloroethane-d4

Concen: 55.096 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.001 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023

Tgt Ion: 65 Resp: 28927

Ion Ratio Lower Upper

65 100

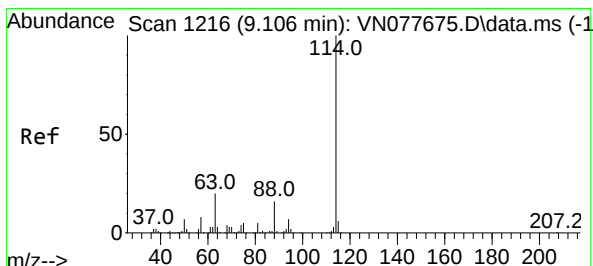
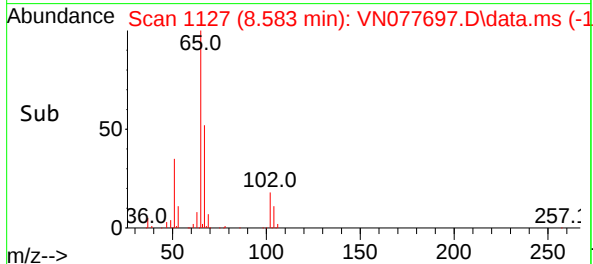
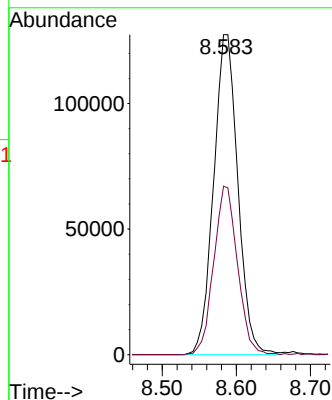
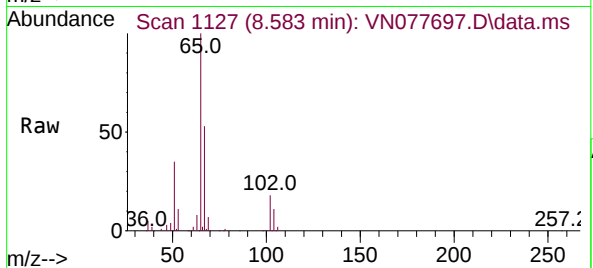
67 51.7 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

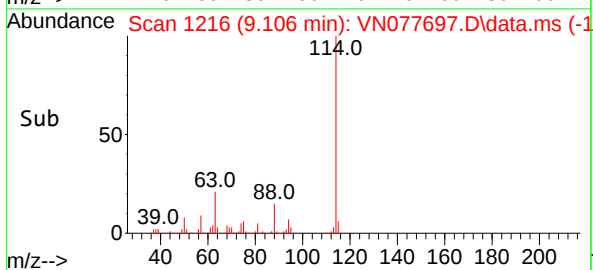
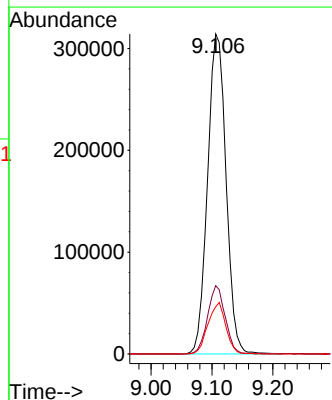
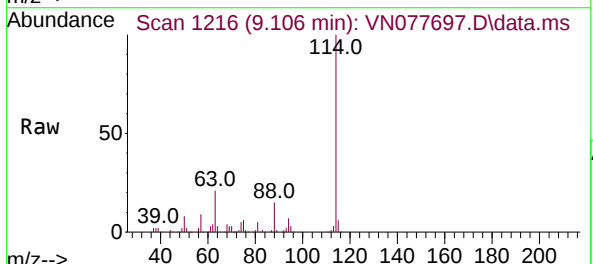
Tgt Ion:114 Resp: 663358

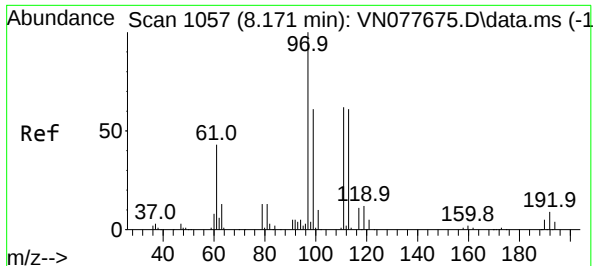
Ion Ratio Lower Upper

114 100

63 21.4 0.0 36.4

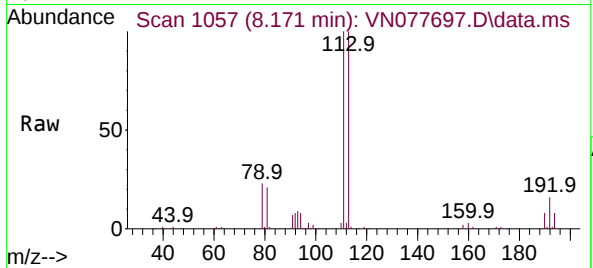
88 14.8 0.0 30.6





#35
Dibromofluoromethane
Concen: 51.973 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

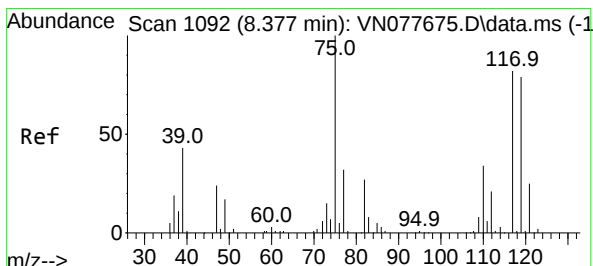
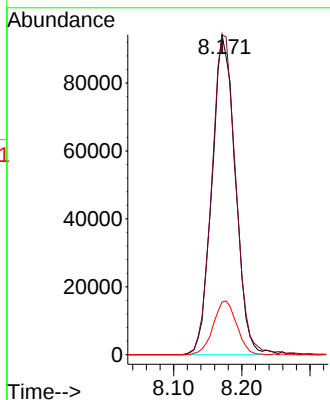
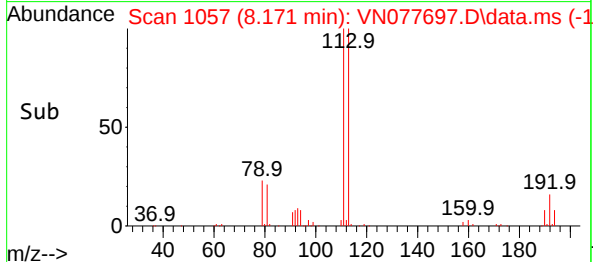
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion: 113 Resp: 224818
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 16.8 12.7 19.1

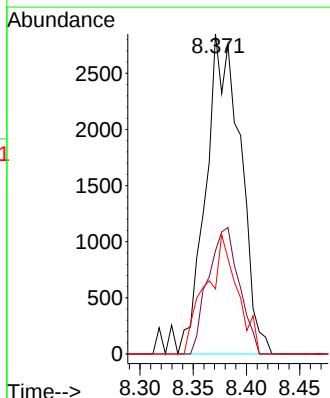
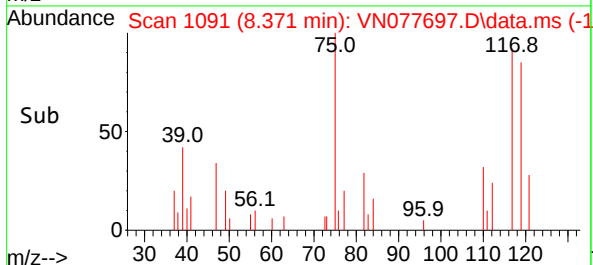
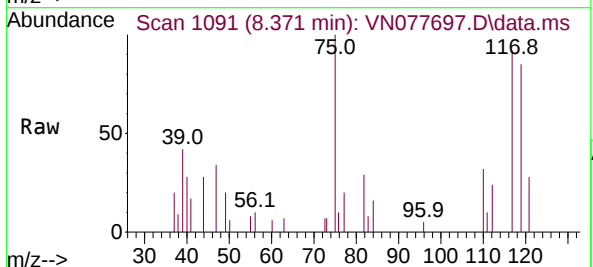
Manual Integrations
APPROVED

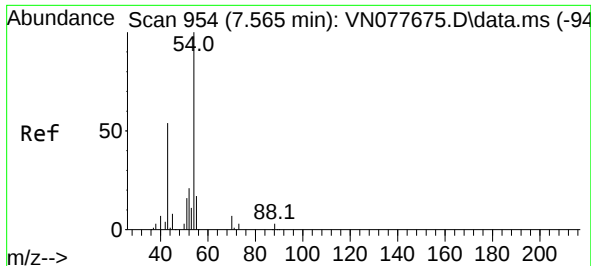
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#36
1,1-Dichloropropene
Concen: 1.018 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Tgt Ion: 75 Resp: 6443
Ion Ratio Lower Upper
75 100
110 35.4 19.1 57.3
77 33.9 25.0 37.4





#37

Ethyl Acetate

Concen: 1.132 ug/l

RT: 7.571 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077697.D

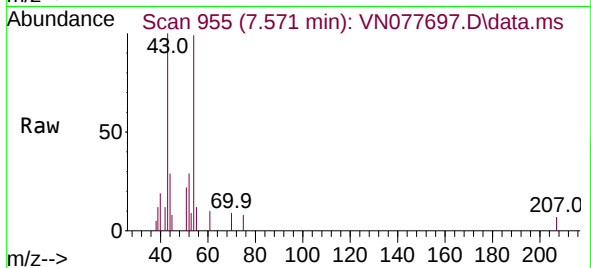
Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023



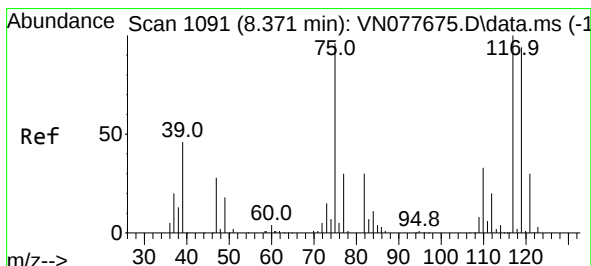
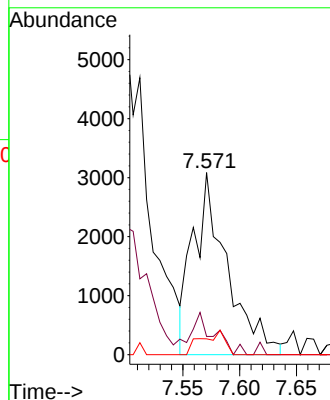
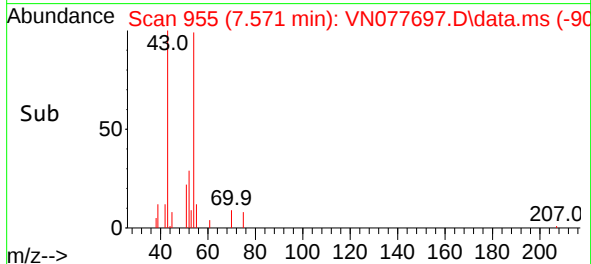
Tgt Ion:	43	Resp:	6380
Ion Ratio	Lower	Upper	
43	100		
61	16.9	13.2	19.8
70	9.2	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#38

Carbon Tetrachloride

Concen: 0.935 ug/l

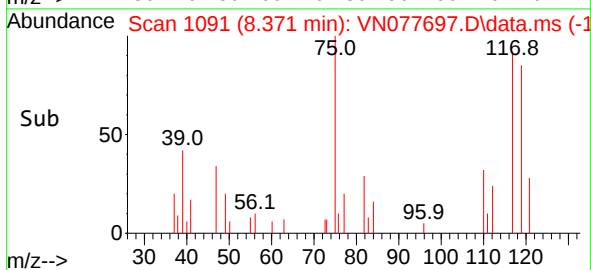
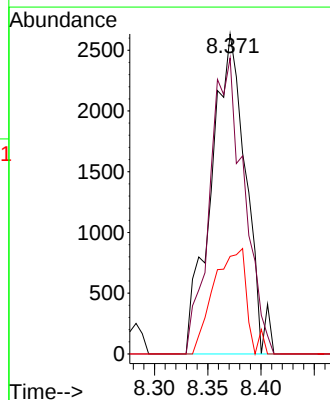
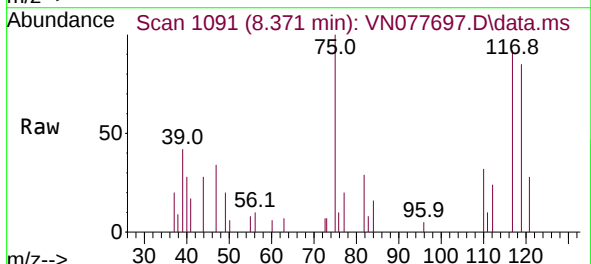
RT: 8.371 min Scan# 1091

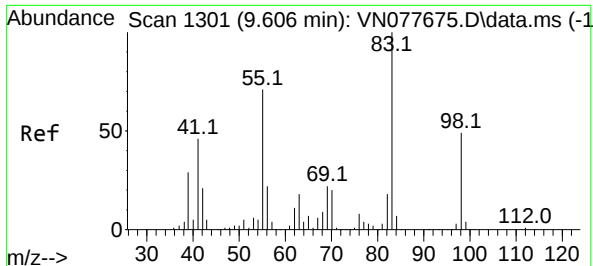
Delta R.T. -0.000 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Tgt Ion:	117	Resp:	5976
Ion Ratio	Lower	Upper	
117	100		
119	92.5	77.3	115.9
121	30.5	23.3	34.9





#39

Methylcyclohexane

Concen: 0.905 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023

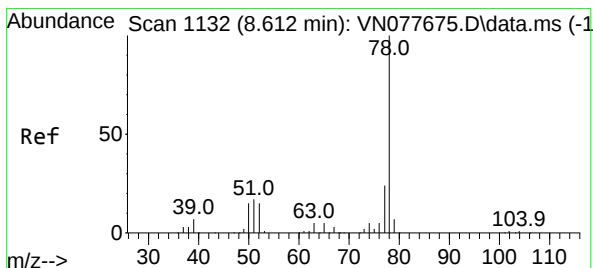
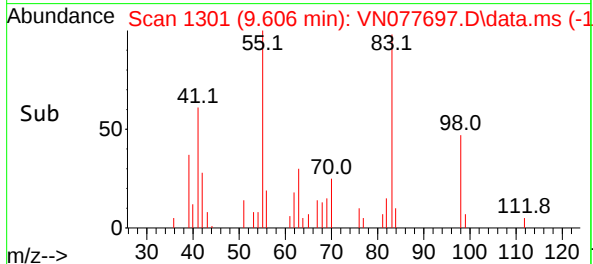
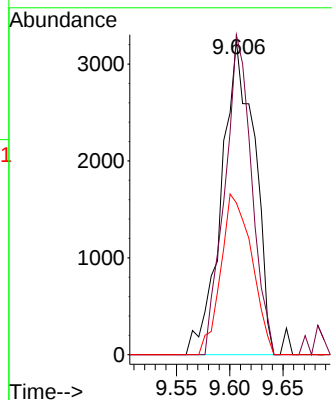
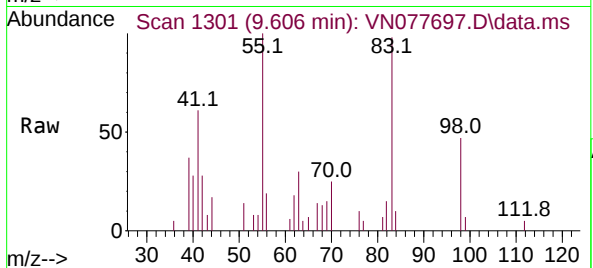
Tgt Ion: 83	Resp: 701
Ion Ratio	Lower Upper
83	100
55	101.8 49.1 73.7
98	48.3 40.6 61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#40

Benzene

Concen: 1.032 ug/l

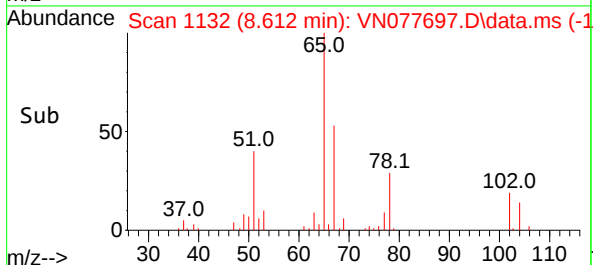
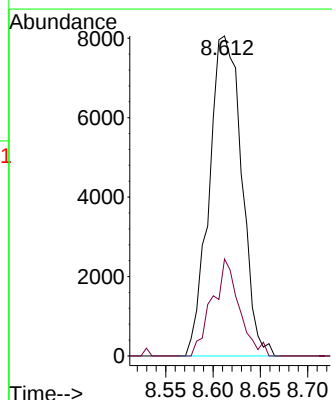
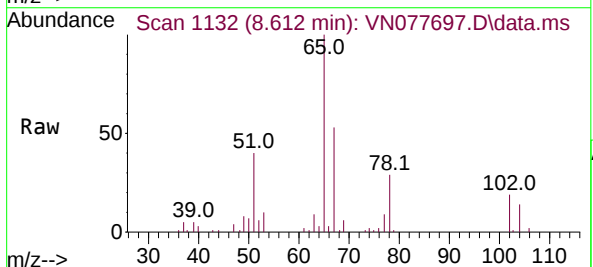
RT: 8.612 min Scan# 1132

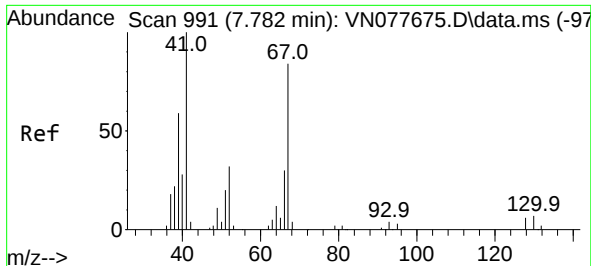
Delta R.T. 0.000 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

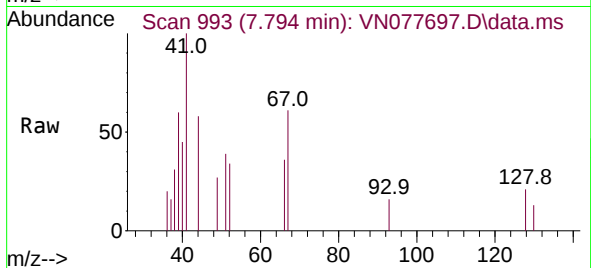
Tgt Ion: 78	Resp: 19275
Ion Ratio	Lower Upper
78	100
77	30.3 19.0 28.6





#41
Methacrylonitrile
Concen: 0.826 ug/l
RT: 7.794 min Scan# 991
Delta R.T. 0.012 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

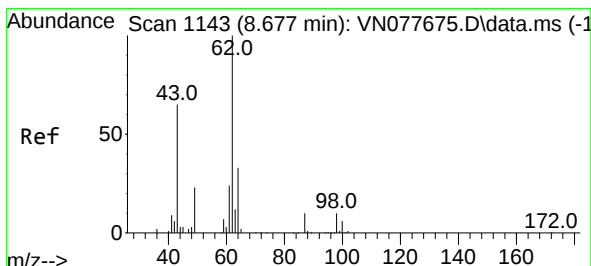
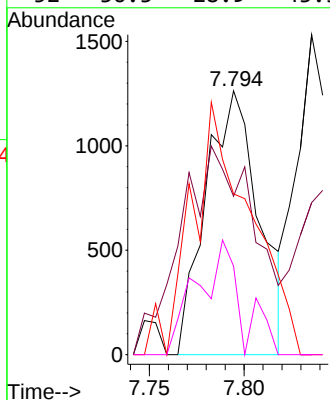
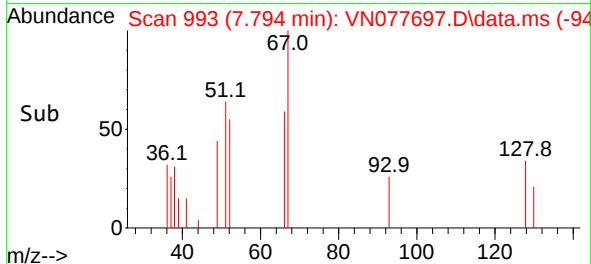
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion:	41	Resp:	2480
Ion Ratio	100	Lower	Upper
39	109.4	42.6	64.0
67	105.5	77.5	116.3
52	36.3	28.9	43.3

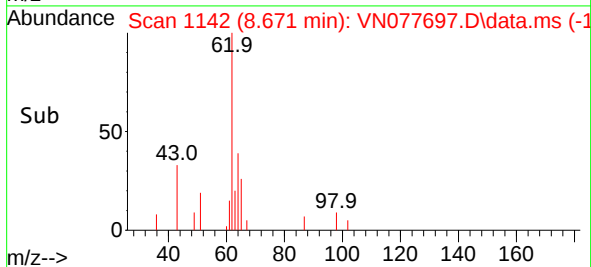
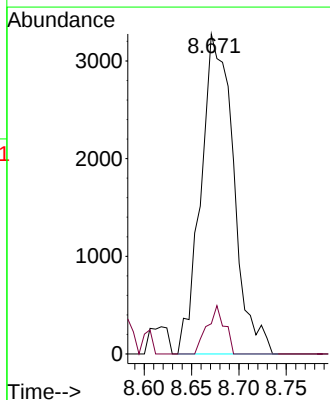
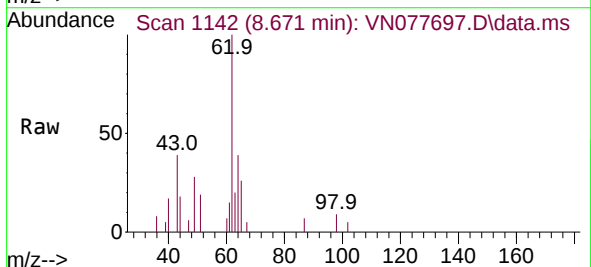
Manual Integrations
APPROVED

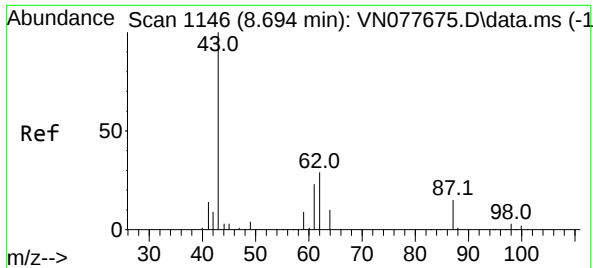
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#42
1,2-Dichloroethane
Concen: 1.159 ug/l
RT: 8.671 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Tgt Ion:	62	Resp:	7858
Ion Ratio	100	Lower	Upper
98	8.1	0.0	19.8





#43

Isopropyl Acetate

Concen: 1.041 ug/l

RT: 8.700 min Scan# 1147

Delta R.T. 0.006 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023

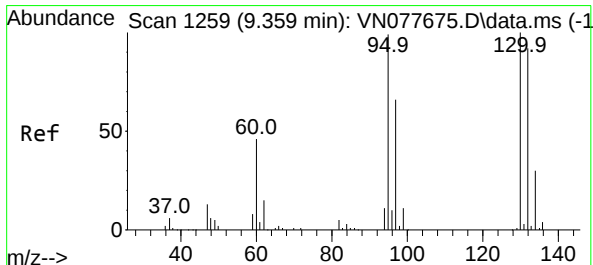
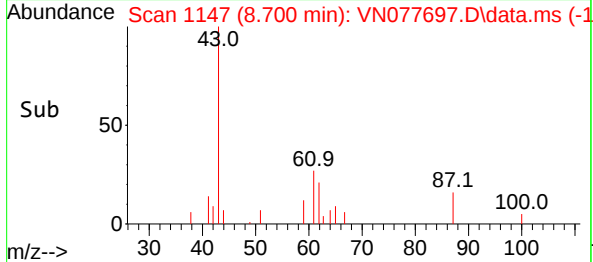
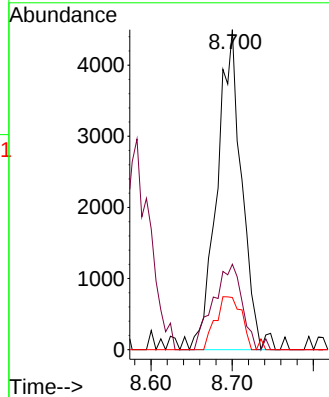
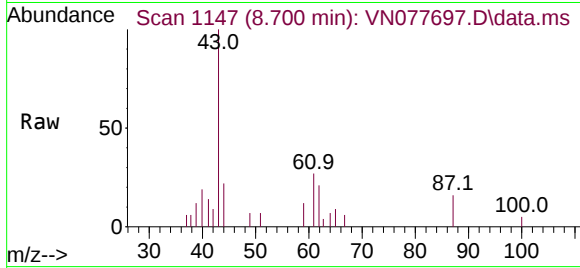
Tgt Ion: 43	Resp: 958
Ion Ratio	Lower Upper
43	100
61	30.5 24.7 37.1
87	17.1 14.6 21.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#44

Trichloroethene

Concen: 1.011 ug/l

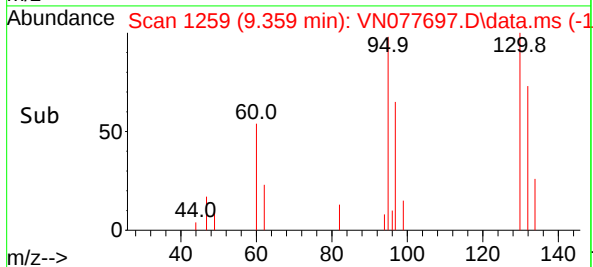
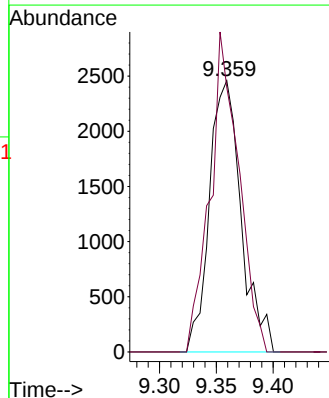
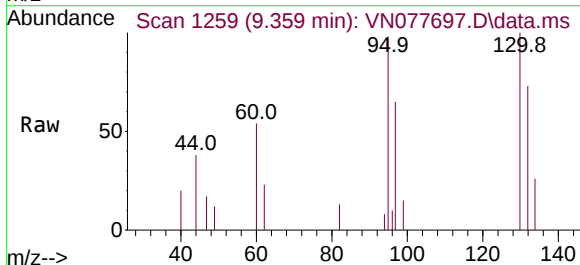
RT: 9.359 min Scan# 1259

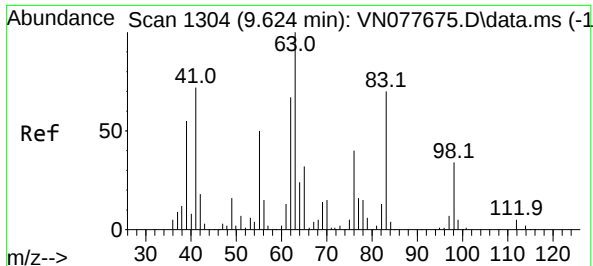
Delta R.T. 0.000 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Tgt Ion:130	Resp: 4780
Ion Ratio	Lower Upper
130	100
95	97.6 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.960 ug/l

RT: 9.630 min Scan# 1305

Delta R.T. 0.006 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023

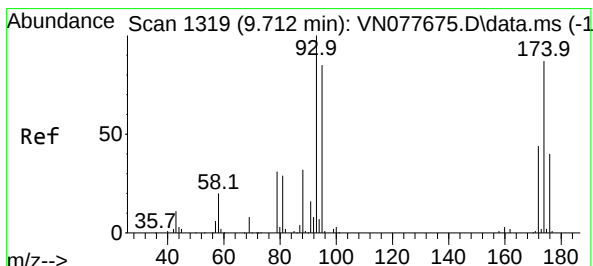
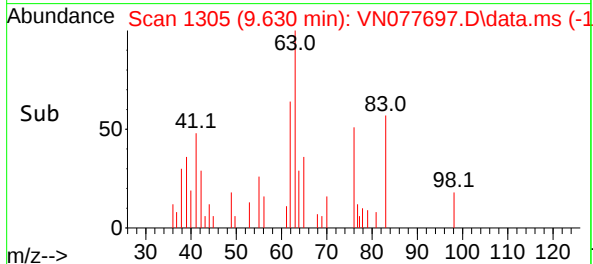
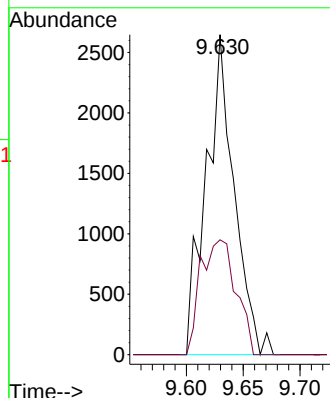
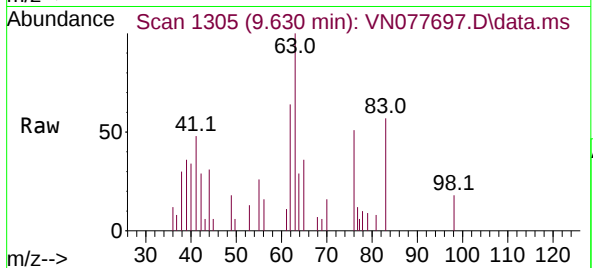
Tgt Ion: 63 Resp: 4572
 Ion Ratio Lower Upper
 63 100
 65 35.9 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#46

Dibromomethane

Concen: 1.060 ug/l

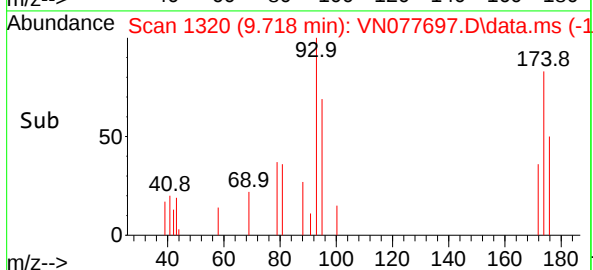
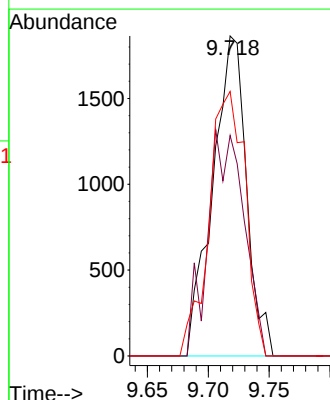
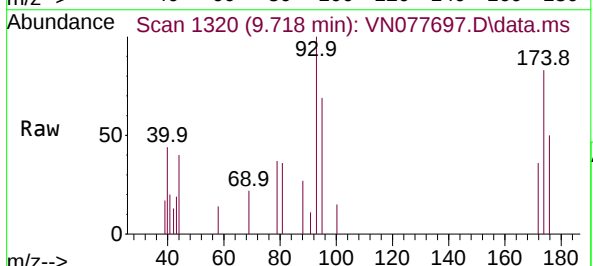
RT: 9.718 min Scan# 1320

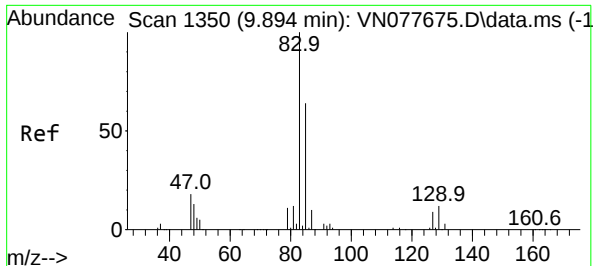
Delta R.T. 0.006 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

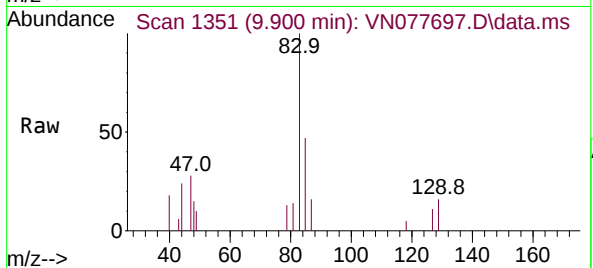
Tgt Ion: 93 Resp: 3611
 Ion Ratio Lower Upper
 93 100
 95 75.9 63.8 95.8
 174 87.9 65.6 98.4





#47
Bromodichloromethane
Concen: 1.072 ug/l
RT: 9.900 min Scan# 1351
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

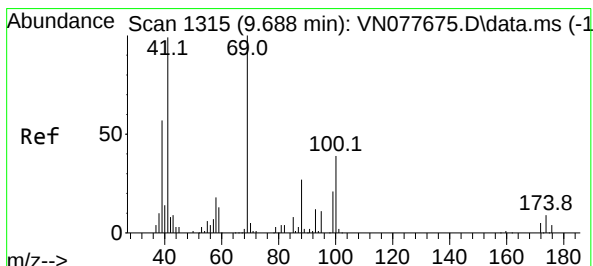
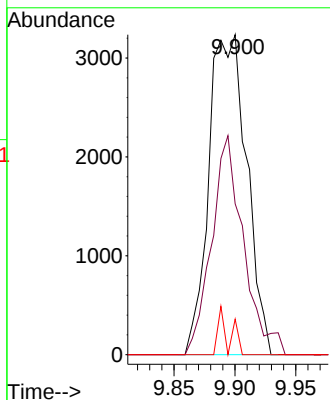
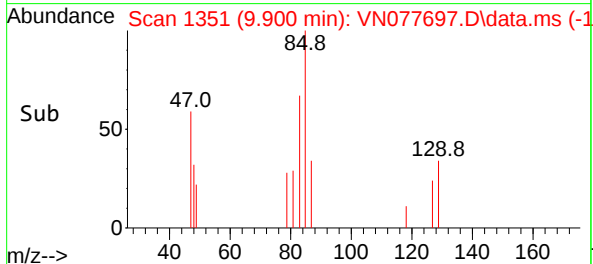
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion: 83 Resp: 699
Ion Ratio Lower Upper
83 100
85 47.2 49.6 74.4
127 11.1 7.0 10.6

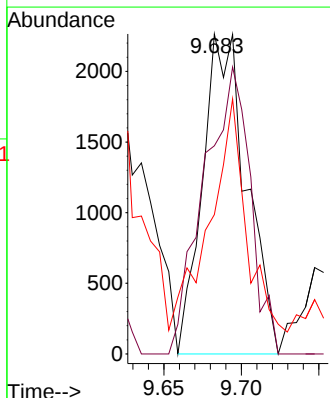
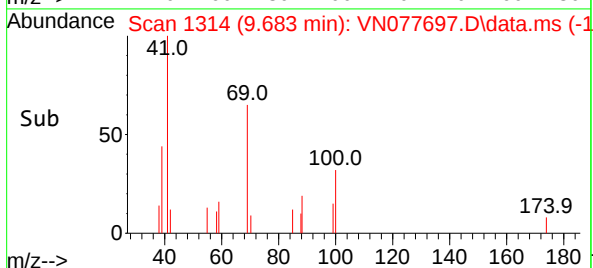
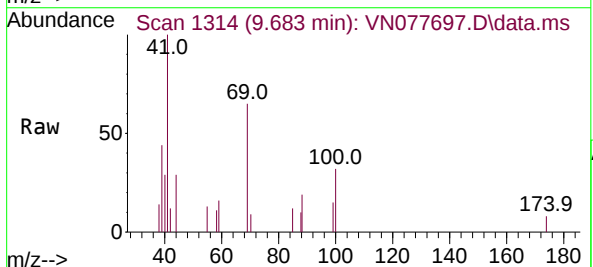
Manual Integrations
APPROVED

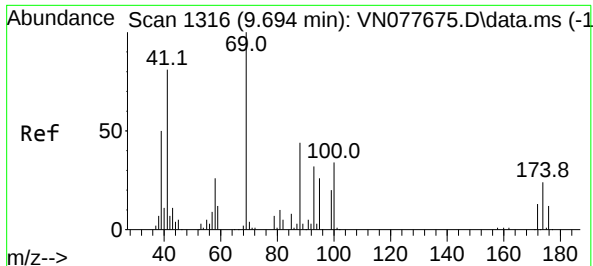
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#48
Methyl methacrylate
Concen: 1.020 ug/l
RT: 9.683 min Scan# 1314
Delta R.T. -0.005 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Tgt Ion: 41 Resp: 4454
Ion Ratio Lower Upper
41 100
69 94.9 90.4 135.6
39 75.2 54.6 81.8





#49

1,4-Dioxane

Concen: 18.197 ug/l

RT: 9.700 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023

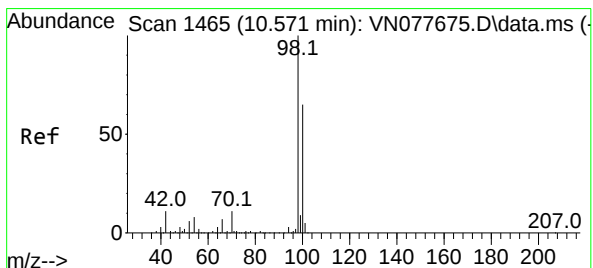
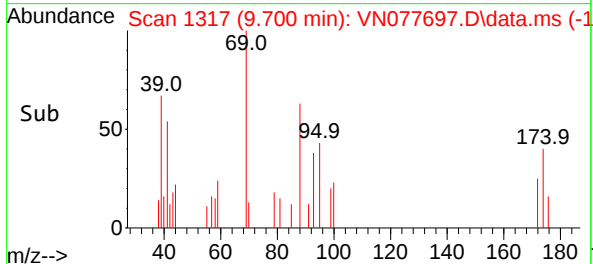
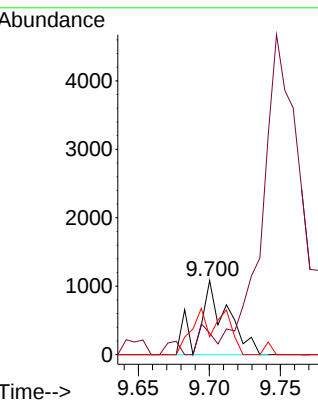
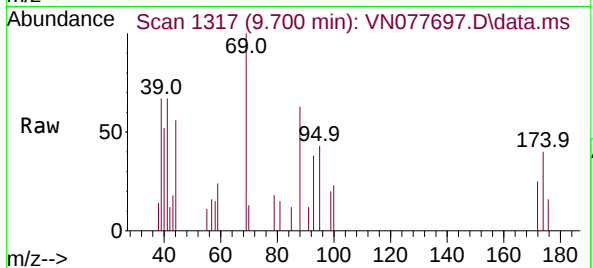
Tgt Ion: 88	Resp: 150
Ion Ratio	Lower Upper
88 100	
43 21.8	17.0 25.6
58 37.0	47.0 70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#50

Toluene-d8

Concen: 51.002 ug/l

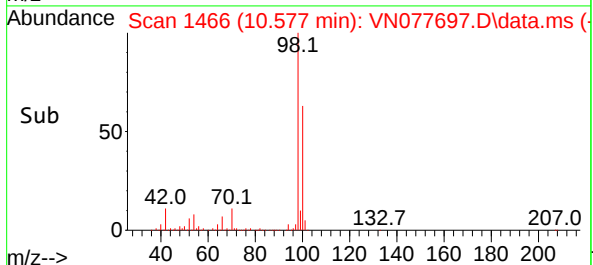
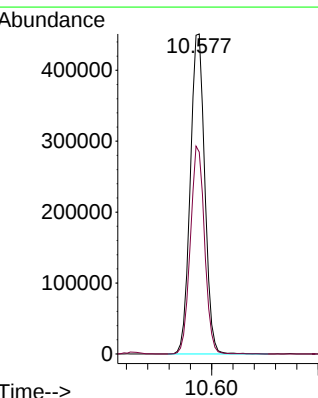
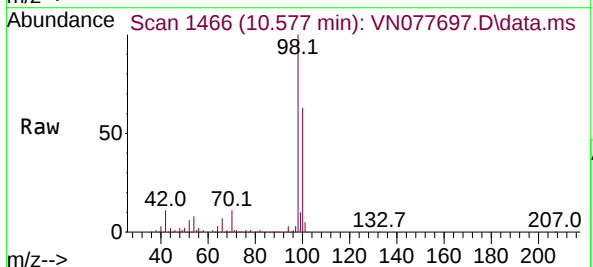
RT: 10.577 min Scan# 1466

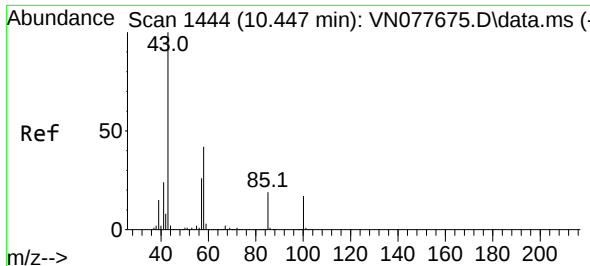
Delta R.T. 0.006 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

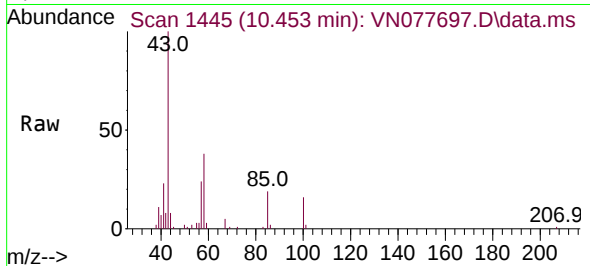
Tgt Ion: 98	Resp: 849181
Ion Ratio	Lower Upper
98 100	
100 63.8	52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 5.155 ug/l
RT: 10.453 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

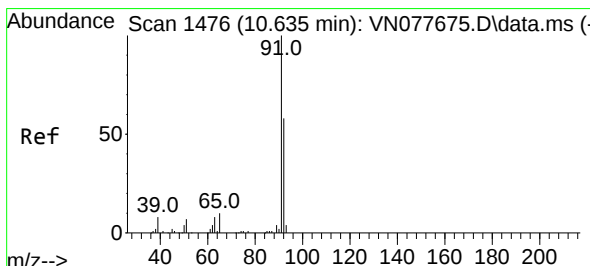
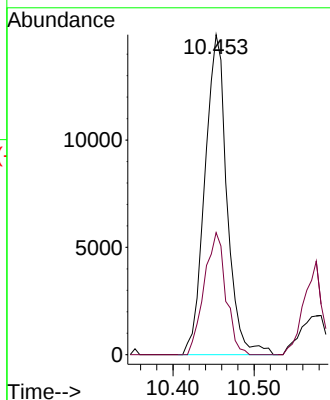
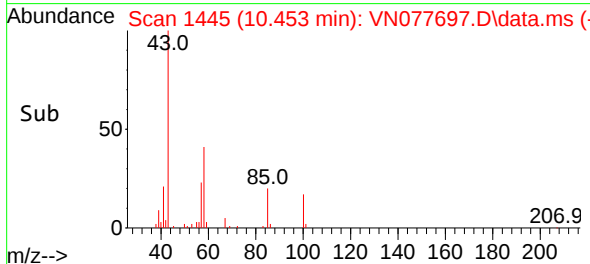
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion: 43 Resp: 28220
Ion Ratio Lower Upper
43 100
58 37.4 36.6 54.8

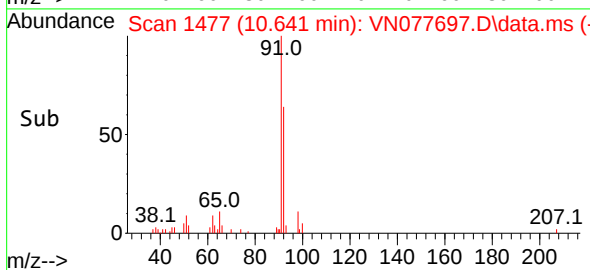
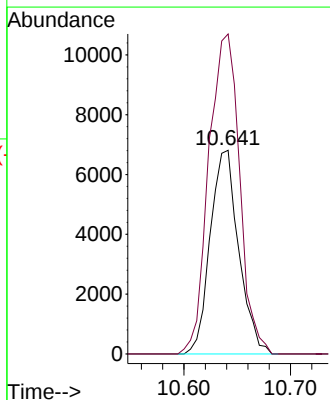
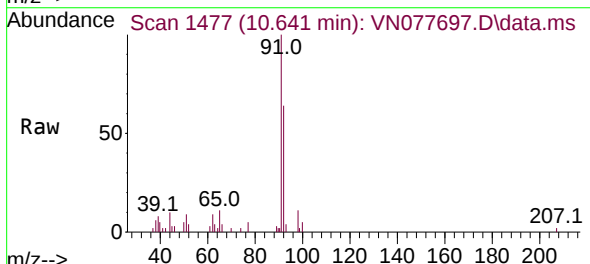
Manual Integrations
APPROVED

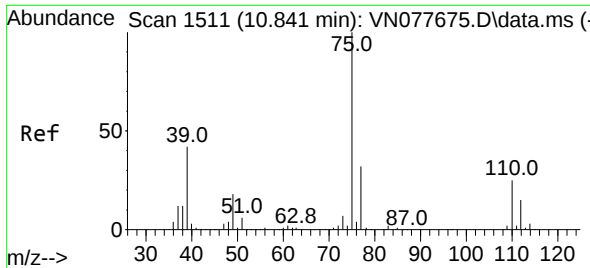
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#52
Toluene
Concen: 1.088 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

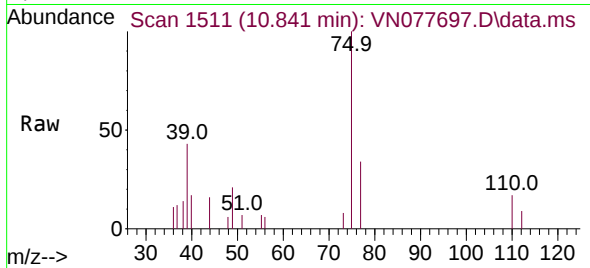
Tgt Ion: 92 Resp: 12642
Ion Ratio Lower Upper
92 100
91 170.1 137.4 206.0





#53
 t-1,3-Dichloropropene
 Concen: 0.889 ug/l
 RT: 10.841 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VN077697.D
 Acq: 16 May 2023 17:02

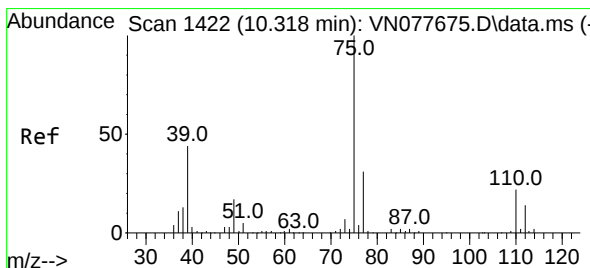
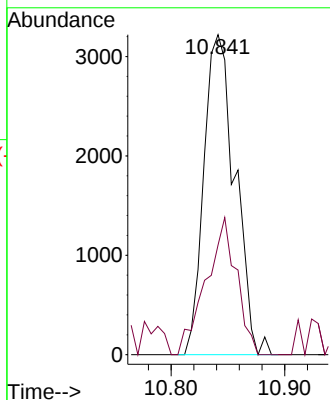
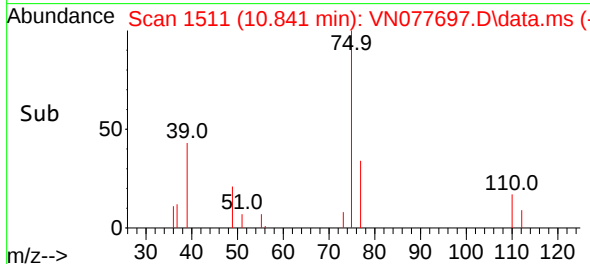
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2023



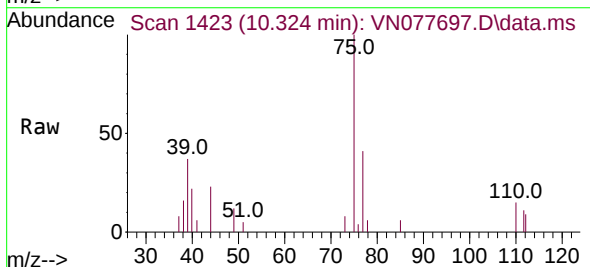
Tgt Ion: 75 Resp: 614
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.4 38.0

Manual Integrations
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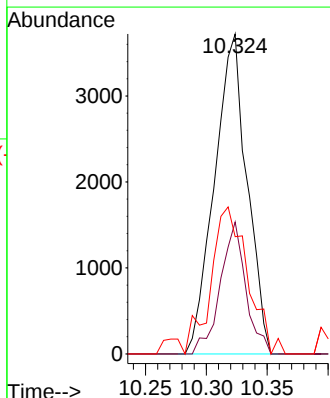
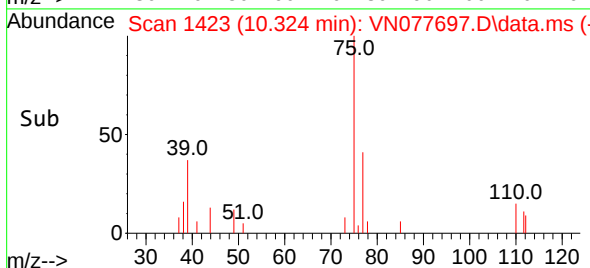
Reviewed By :John Carlone 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

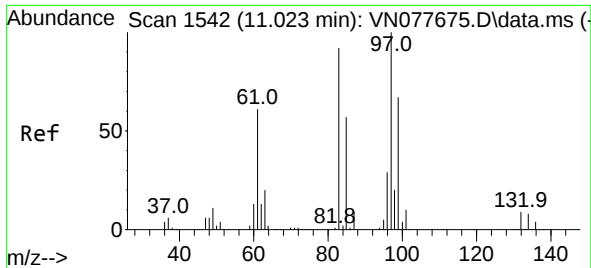


#54
 cis-1,3-Dichloropropene
 Concen: 0.910 ug/l
 RT: 10.324 min Scan# 1423
 Delta R.T. 0.006 min
 Lab File: VN077697.D
 Acq: 16 May 2023 17:02



Tgt Ion: 75 Resp: 6927
 Ion Ratio Lower Upper
 75 100
 77 41.3 26.1 39.1#
 39 32.0 31.6 47.4





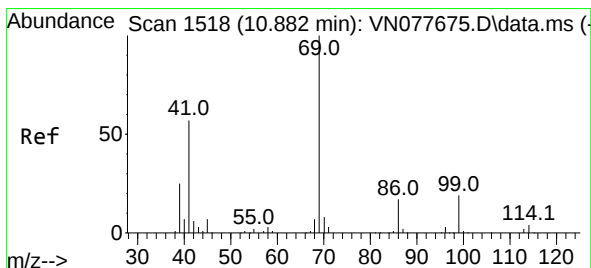
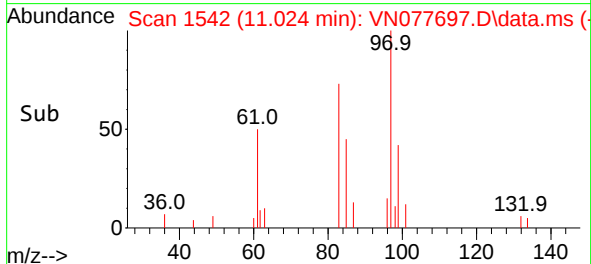
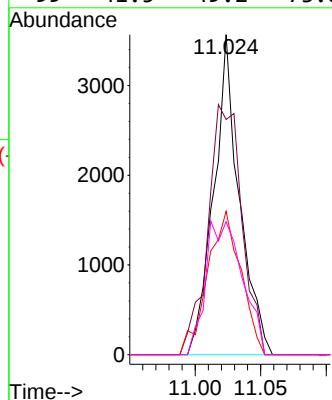
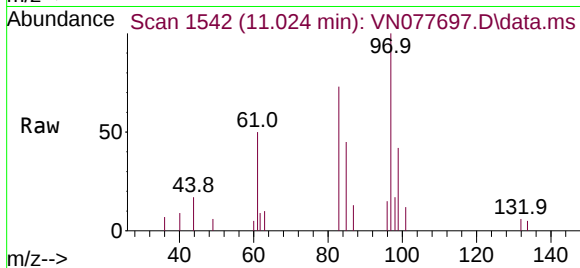
#55
1,1,2-Trichloroethane
Concen: 1.051 ug/l
RT: 11.024 min Scan# 1542
Delta R.T. 0.001 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT2-2023

Tgt Ion	Ratio	Lower	Upper
97	100		
83	73.5	65.1	97.7
85	44.8	43.4	65.2
99	41.5	49.2	73.8

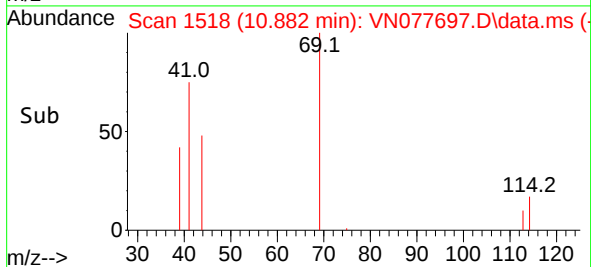
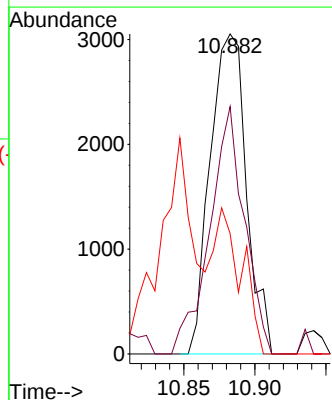
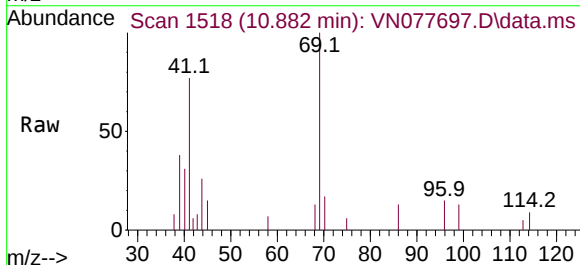
Manual Integrations
APPROVED

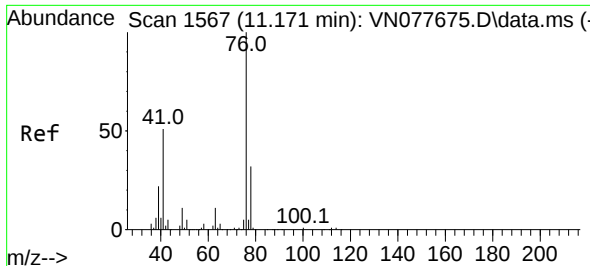
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#56
Ethyl methacrylate
Concen: 0.780 ug/l
RT: 10.882 min Scan# 1518
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Tgt Ion	Ratio	Lower	Upper
69	100		
41	73.7	39.6	59.4
39	35.6	28.6	43.0





#57

1,3-Dichloropropane

Concen: 0.975 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023

Tgt Ion: 76 Resp: 771

Ion Ratio Lower Upper

76 100

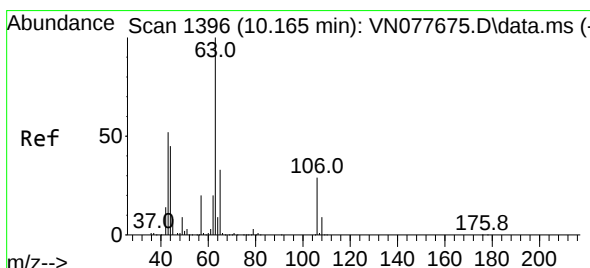
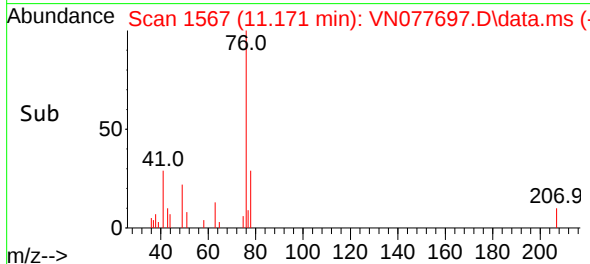
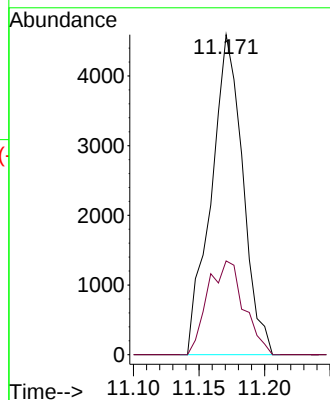
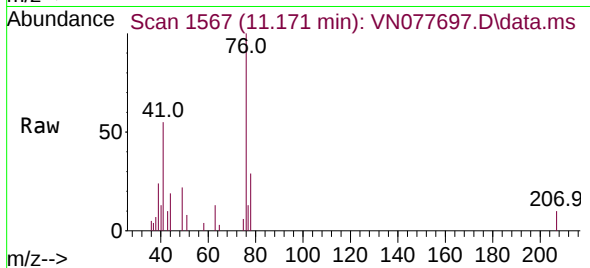
78 33.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#58

2-Chloroethyl Vinyl ether

Concen: 4.599 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN077697.D

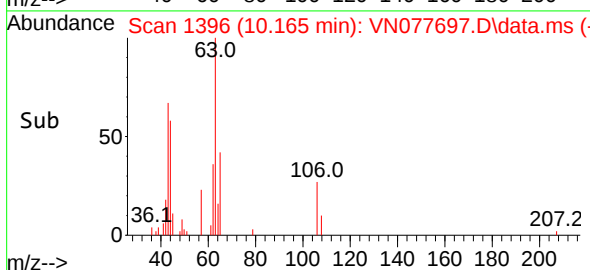
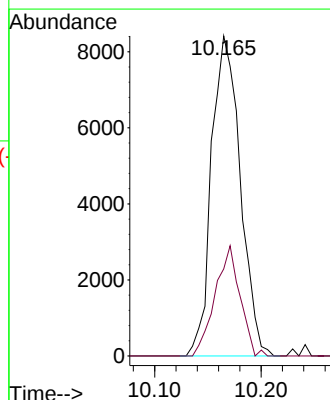
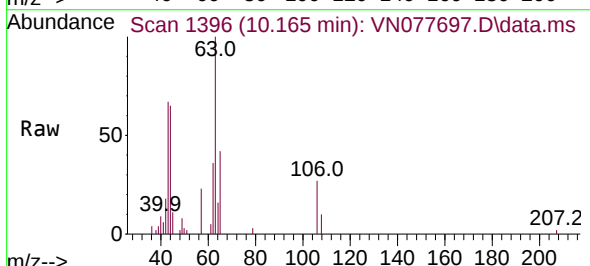
Acq: 16 May 2023 17:02

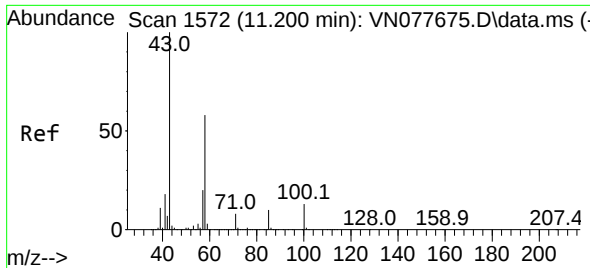
Tgt Ion: 63 Resp: 15789

Ion Ratio Lower Upper

63 100

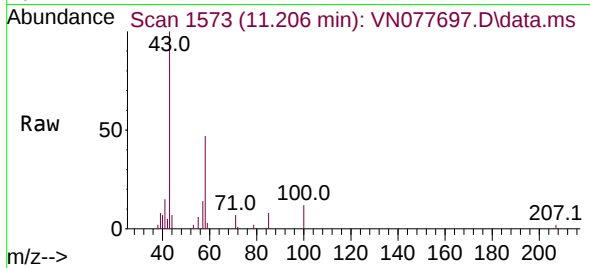
106 29.7 26.2 39.4





#59
2-Hexanone
Concen: 5.340 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

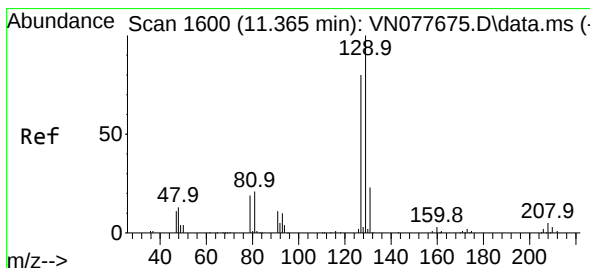
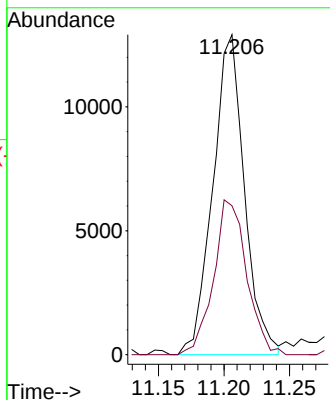
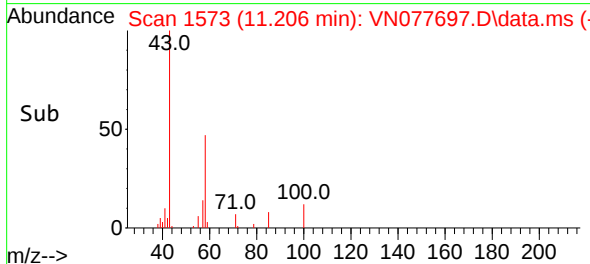
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion: 43 Resp: 21620
Ion Ratio Lower Upper
43 100
58 50.6 31.7 95.1

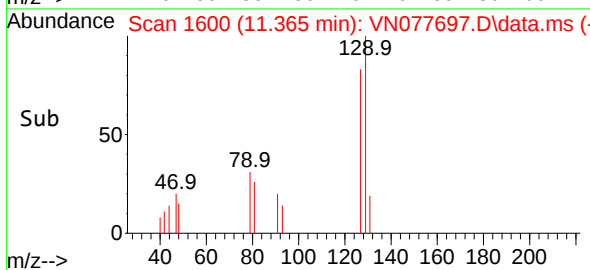
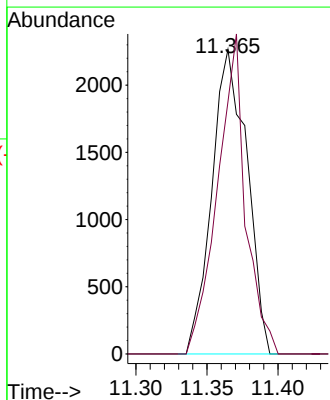
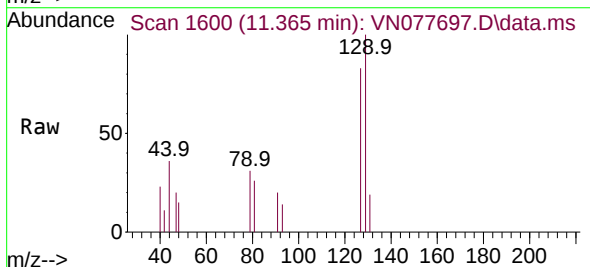
Manual Integrations
APPROVED

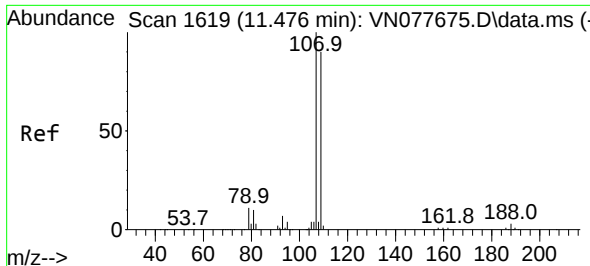
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#60
Dibromochloromethane
Concen: 0.816 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

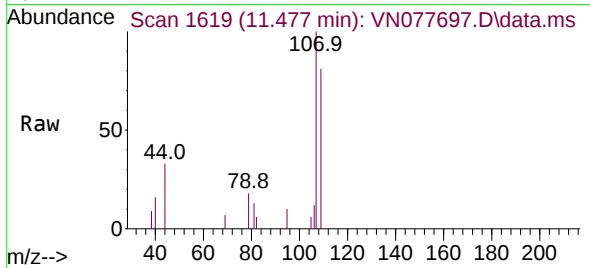
Tgt Ion:129 Resp: 3889
Ion Ratio Lower Upper
129 100
127 83.9 38.6 116.0





#61
1,2-Dibromoethane
Concen: 0.922 ug/l
RT: 11.477 min Scan# 1619
Delta R.T. 0.001 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

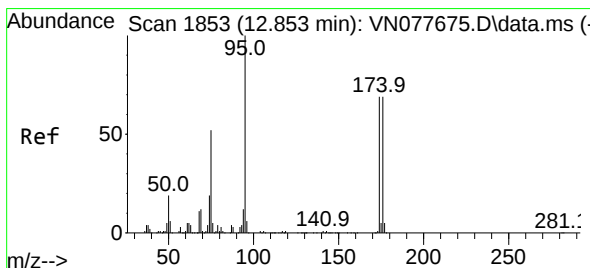
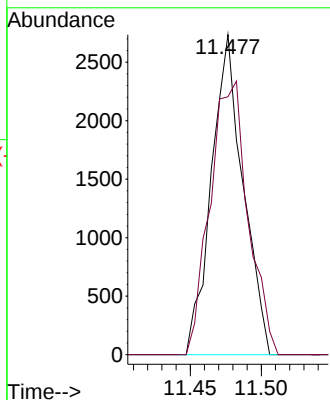
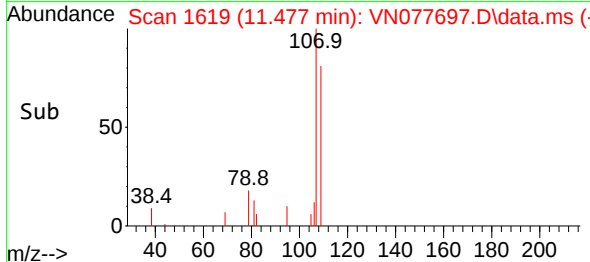
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



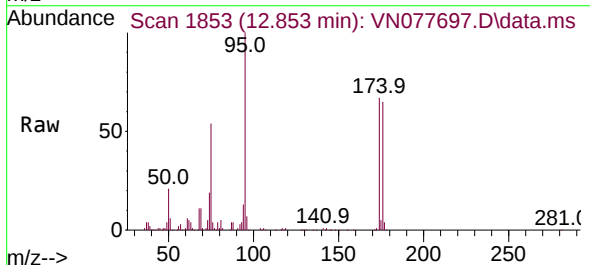
Tgt Ion:107 Resp: 424
Ion Ratio Lower Upper
107 100
109 102.4 76.6 114.8

Manual Integrations
APPROVED

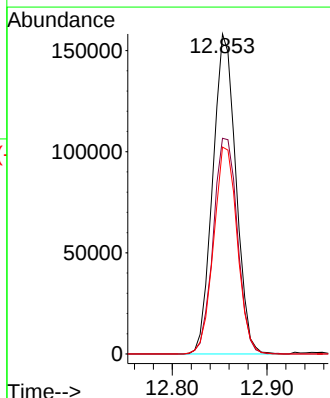
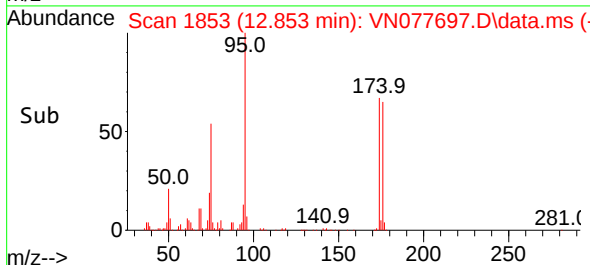
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

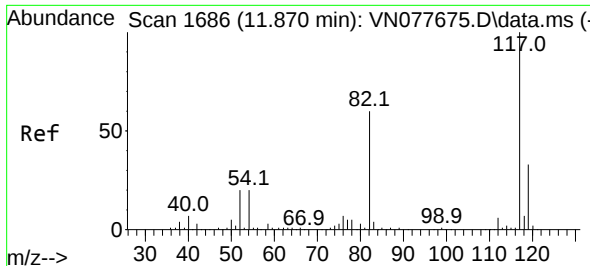


#62
4-Bromofluorobenzene
Concen: 45.711 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



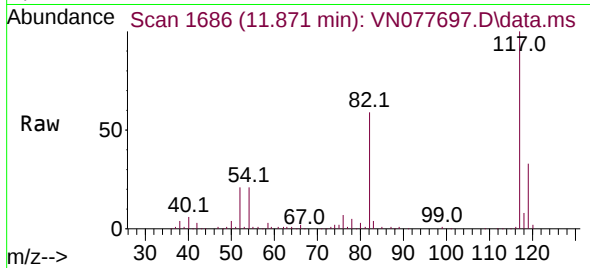
Tgt Ion: 95 Resp: 268799
Ion Ratio Lower Upper
95 100
174 70.5 0.0 143.8
176 66.0 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

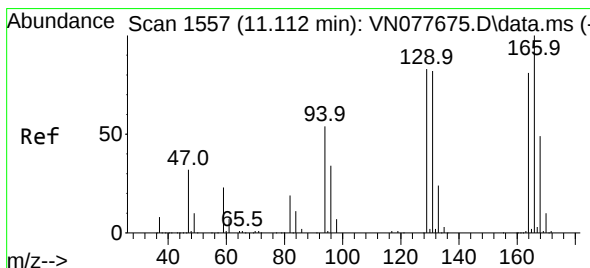
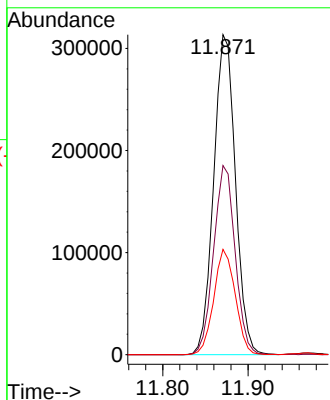
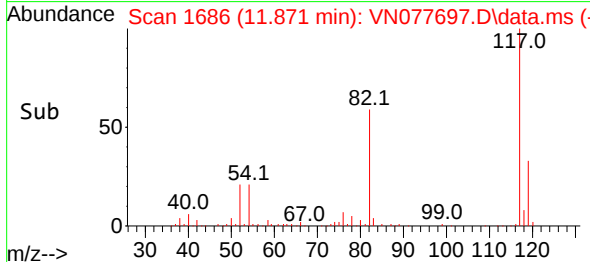
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion:117 Resp: 556278
Ion Ratio Lower Upper
117 100
82 59.1 44.0 66.0
119 32.9 25.6 38.4

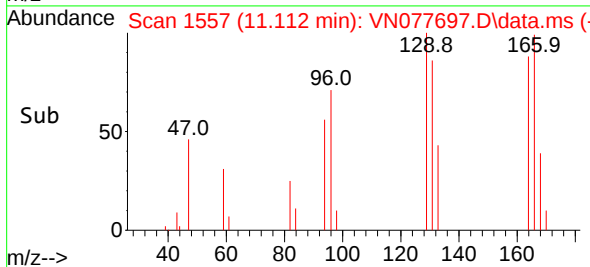
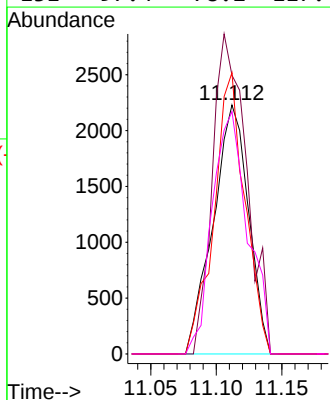
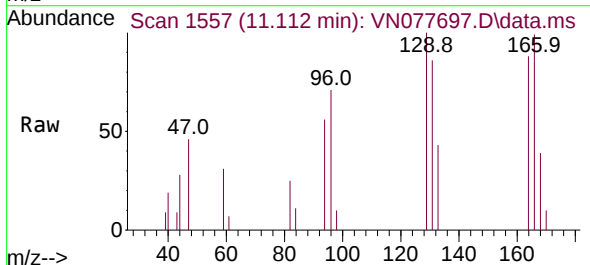
Manual Integrations
APPROVED

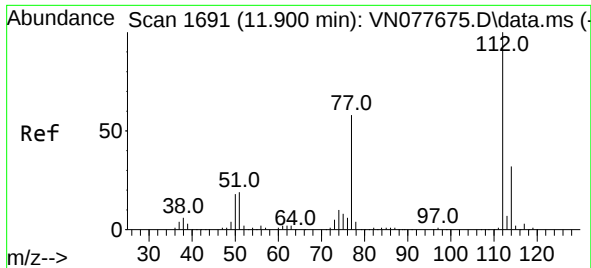
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#64
Tetrachloroethene
Concen: 1.076 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. -0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

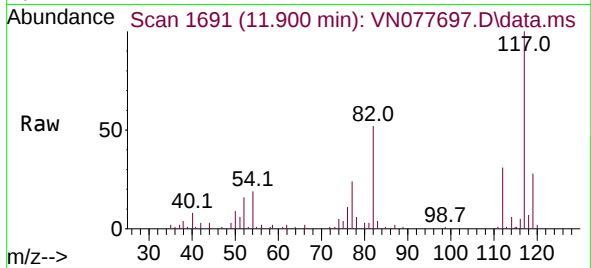
Tgt Ion:164 Resp: 4185
Ion Ratio Lower Upper
164 100
166 112.0 101.4 152.0
129 113.0 82.4 123.6
131 97.4 78.2 117.4





#65
Chlorobenzene
Concen: 1.041 ug/l
RT: 11.900 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

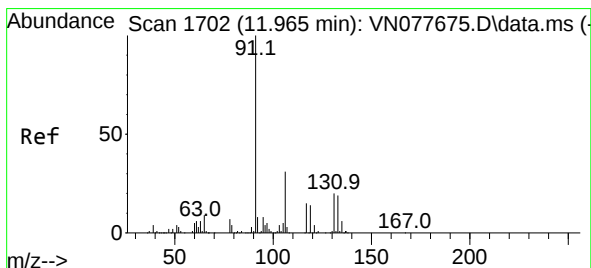
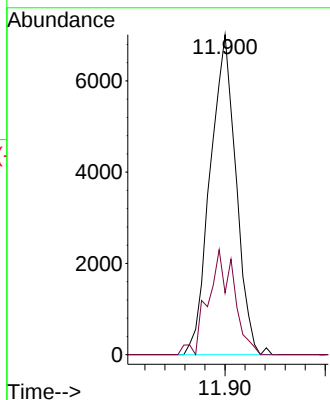
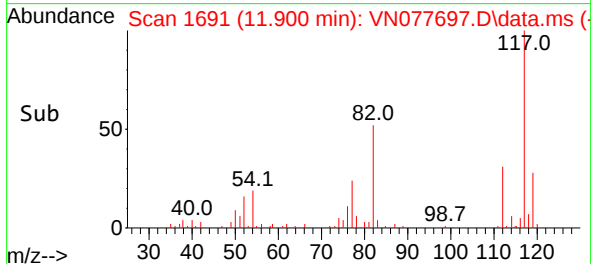
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion:112 Resp: 1255
Ion Ratio Lower Upper
112 100
114 19.3 25.0 37.4

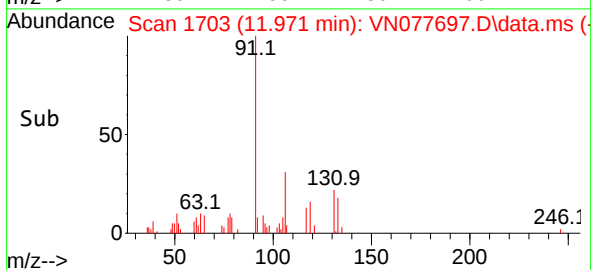
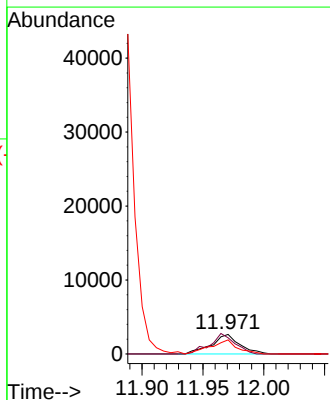
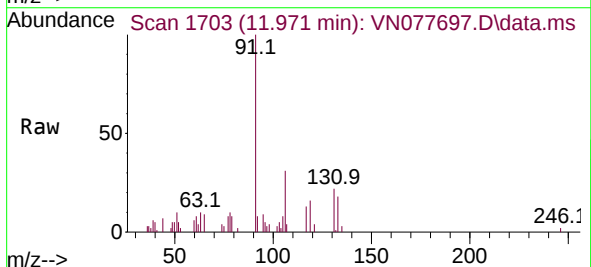
Manual Integrations
APPROVED

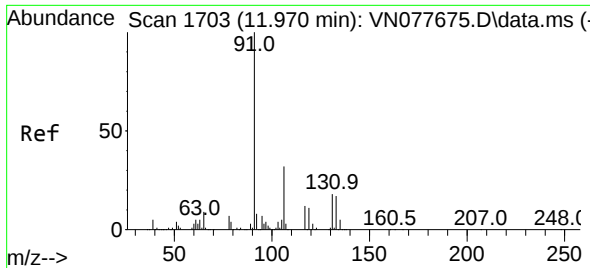
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 1.032 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

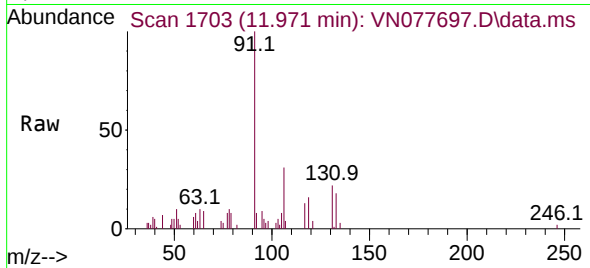
Tgt Ion:131 Resp: 4308
Ion Ratio Lower Upper
131 100
133 90.0 46.4 139.1
119 0.0 34.1 102.2





#67
Ethyl Benzene
Concen: 0.923 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

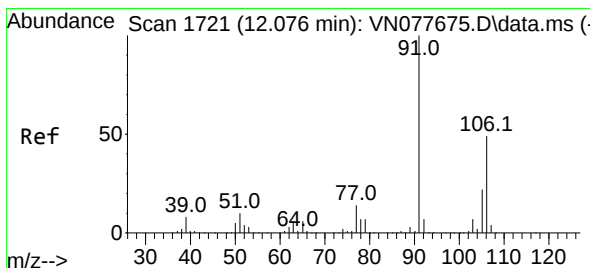
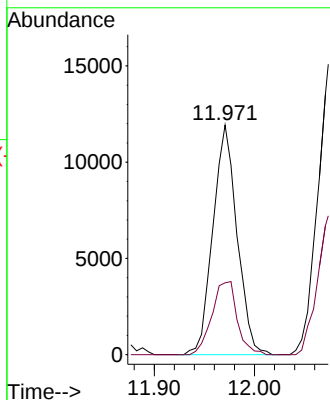
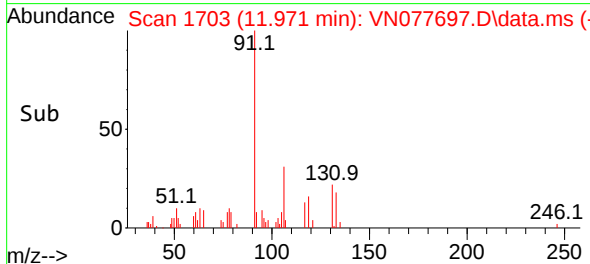
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



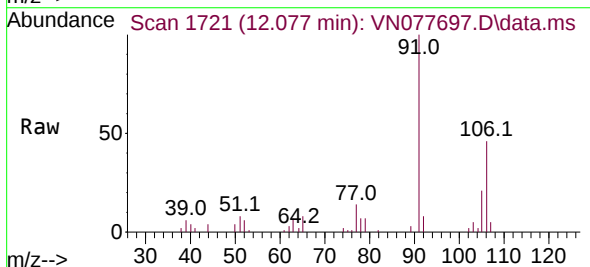
Tgt Ion: 91 Resp: 19954
Ion Ratio Lower Upper
91 100
106 31.3 25.6 38.4

Manual Integrations
APPROVED

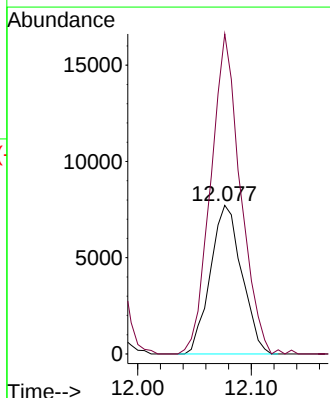
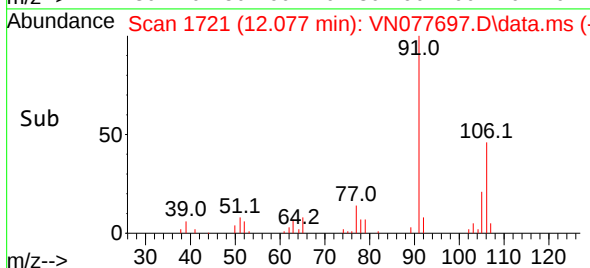
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

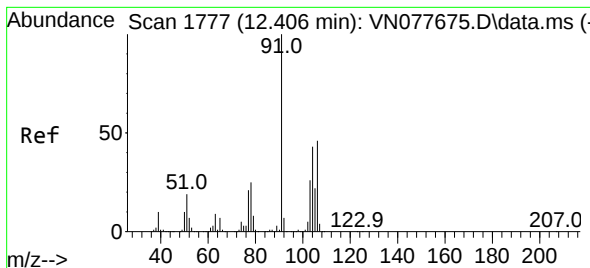


#68
m/p-Xylenes
Concen: 1.810 ug/l
RT: 12.077 min Scan# 1721
Delta R.T. 0.001 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



Tgt Ion:106 Resp: 14820
Ion Ratio Lower Upper
106 100
91 204.2 159.6 239.4





#69

o-Xylene

Concen: 0.923 ug/l

RT: 12.412 min Scan# 1777

Delta R.T. 0.006 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023

Tgt Ion:106 Resp: 7434

Ion Ratio Lower Upper

106 100

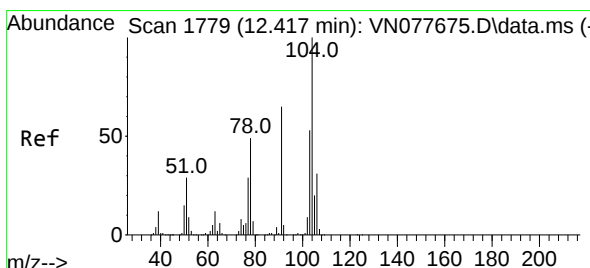
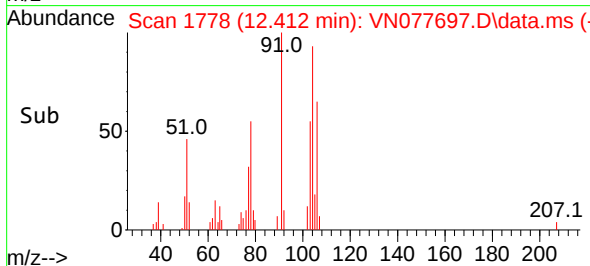
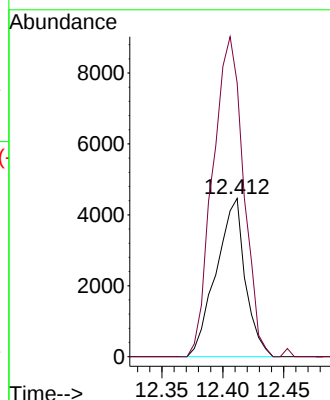
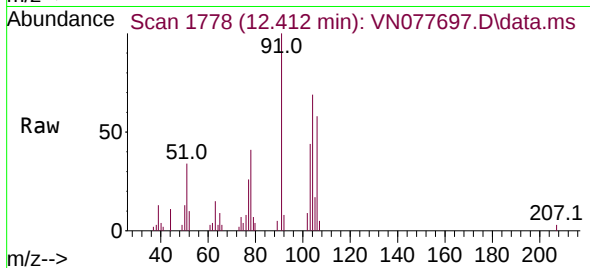
91 213.9 105.2 315.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#70

Styrene

Concen: 0.892 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. 0.001 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

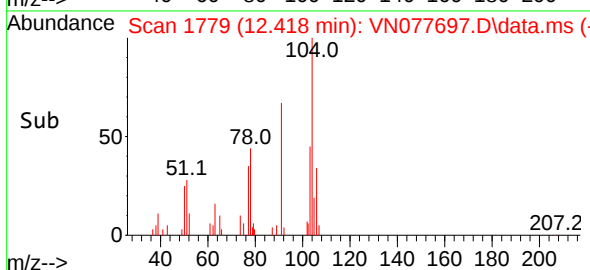
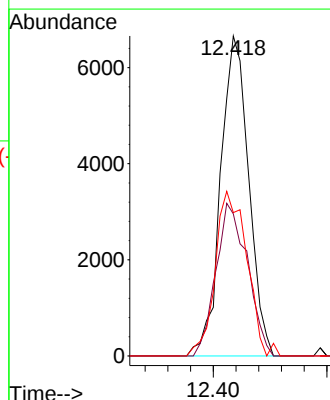
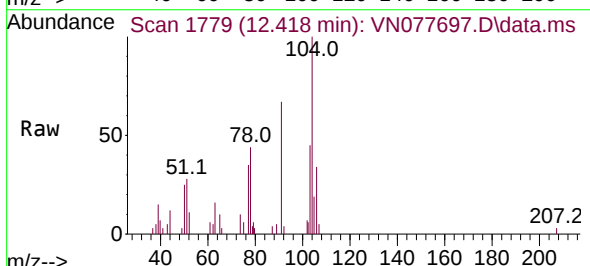
Tgt Ion:104 Resp: 11406

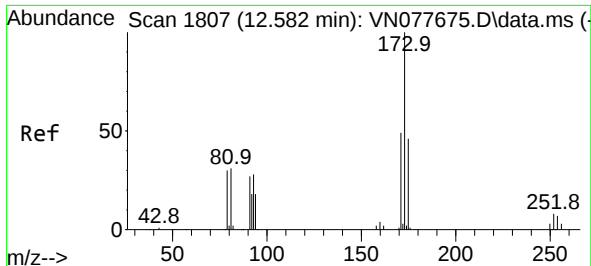
Ion Ratio Lower Upper

104 100

78 53.7 39.5 59.3

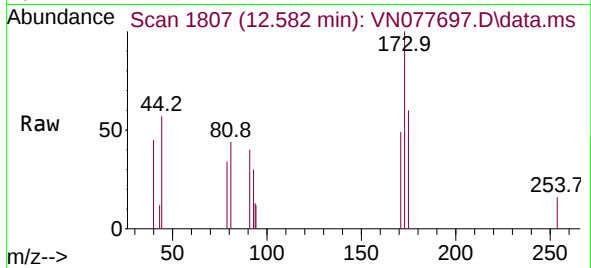
103 58.1 43.2 64.8





#71
Bromoform
Concen: 0.822 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

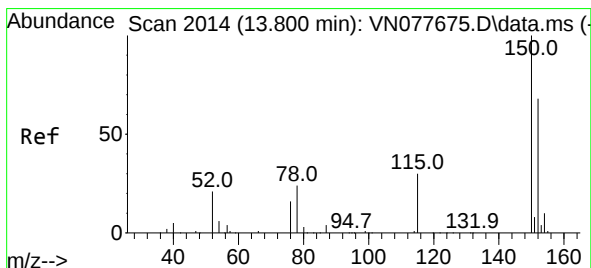
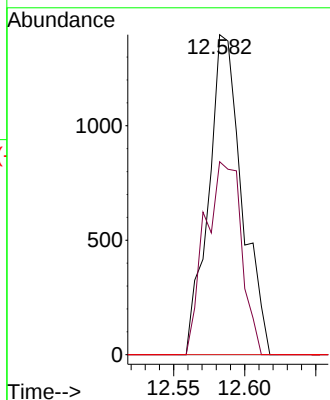
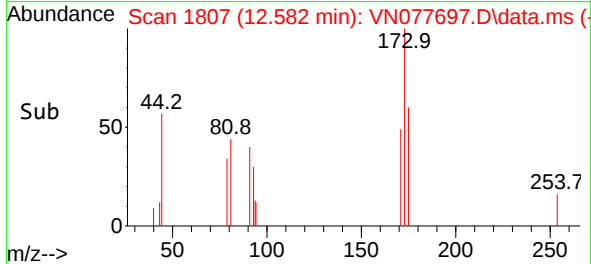
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



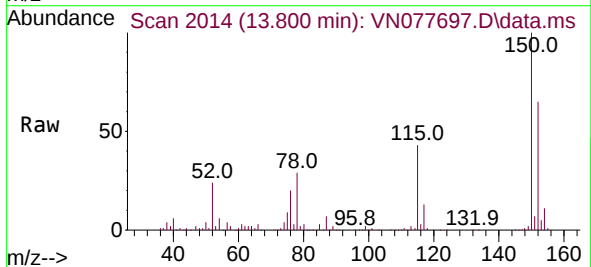
Tgt Ion:173 Resp: 228
Ion Ratio Lower Upper
173 100
175 65.9 24.3 73.0
254 0.0 0.0 0.0

Manual Integrations
APPROVED

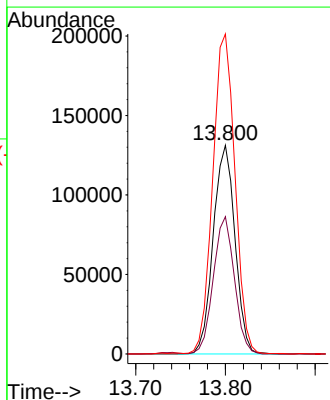
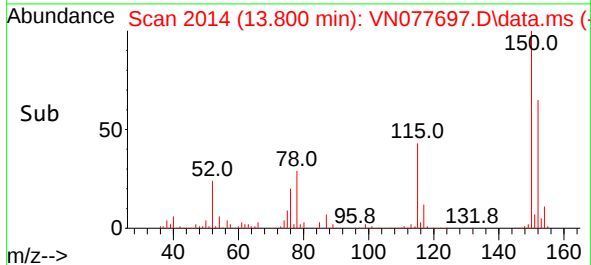
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

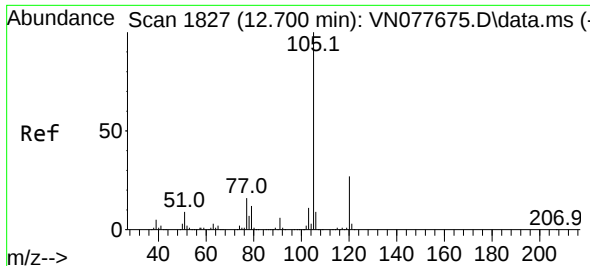


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.800 min Scan# 2014
Delta R.T. -0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



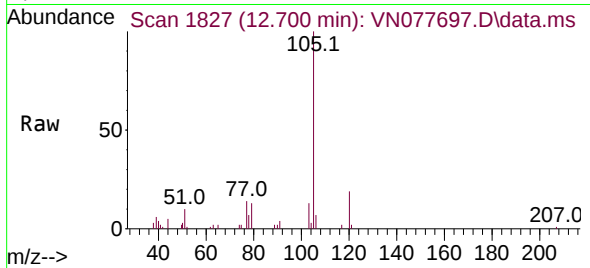
Tgt Ion:152 Resp: 220956
Ion Ratio Lower Upper
152 100
115 63.7 32.3 96.8
150 156.2 0.0 355.8





#73
Isopropylbenzene
Concen: 0.996 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

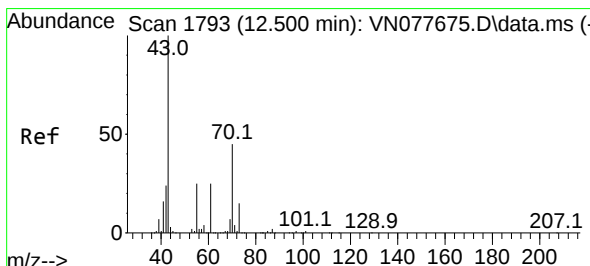
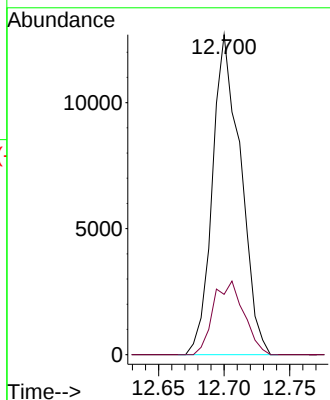
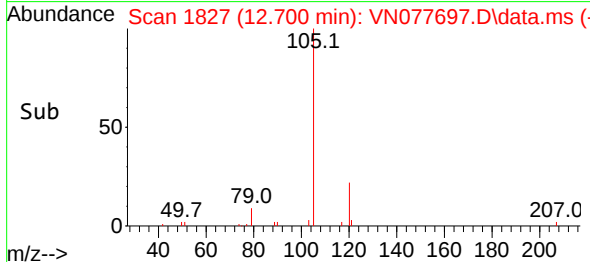
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



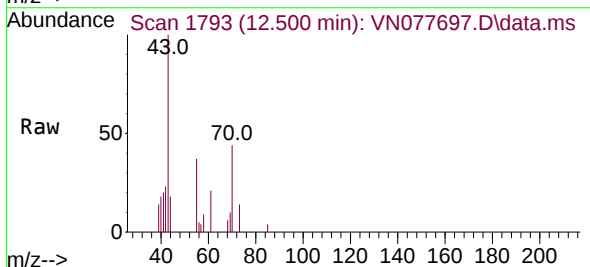
Tgt Ion: 105 Resp: 1896
Ion Ratio Lower Upper
105 100
120 24.8 13.1 39.1

Manual Integrations
APPROVED

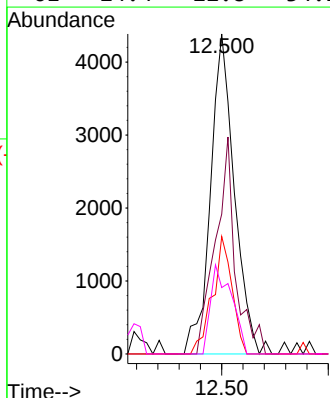
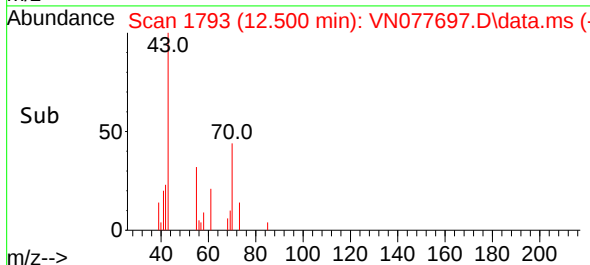
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

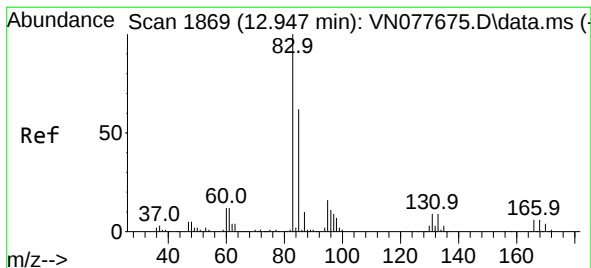


#74
N-ethyl acetate
Concen: 0.973 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



Tgt Ion: 43 Resp: 6848
Ion Ratio Lower Upper
43 100
70 56.8 43.4 65.2
55 29.9 21.4 32.0
61 24.4 22.8 34.2





#75

1,1,2,2-Tetrachloroethane

Concen: 1.119 ug/l

RT: 12.947 min Scan# 1869

Delta R.T. 0.000 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023

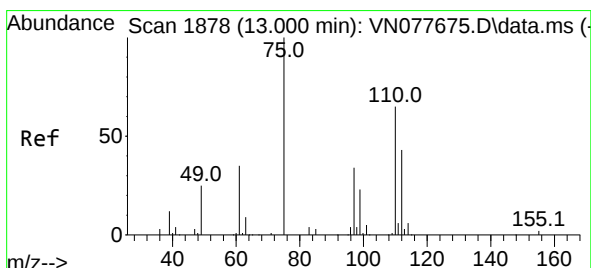
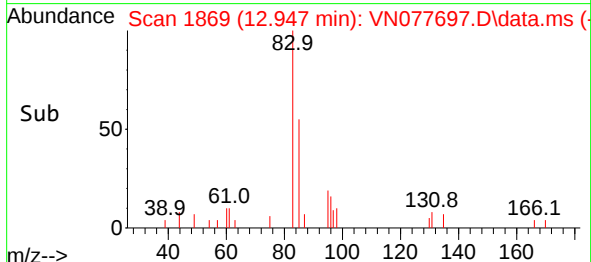
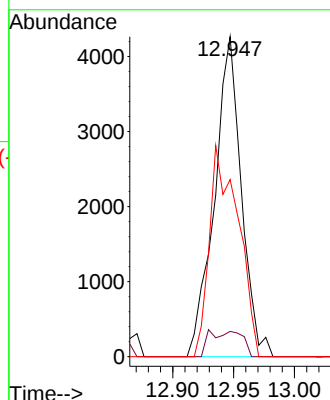
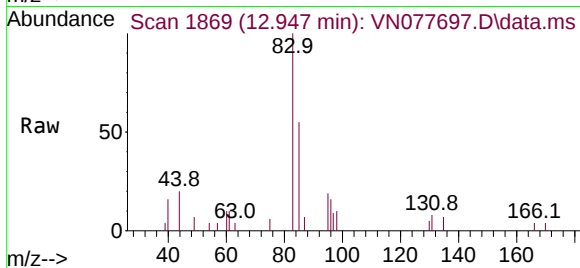
Tgt Ion:	83	Resp:	6550
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.0	15.0
85	70.4	31.9	95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#76

1,2,3-Trichloropropane

Concen: 0.953 ug/l m

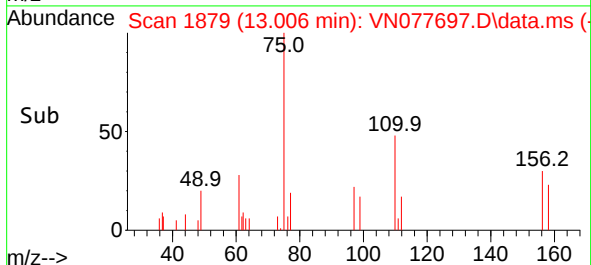
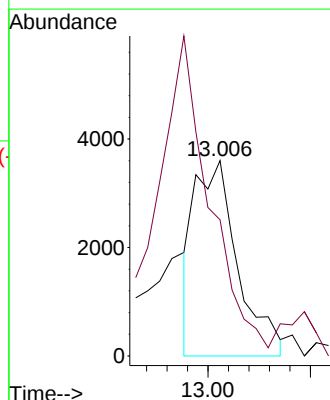
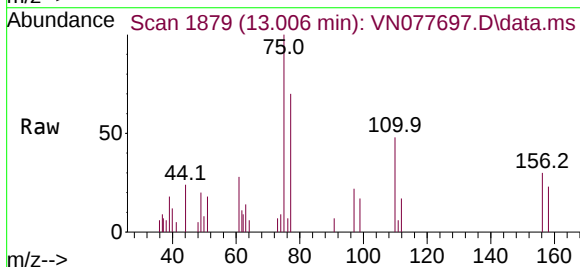
RT: 13.006 min Scan# 1879

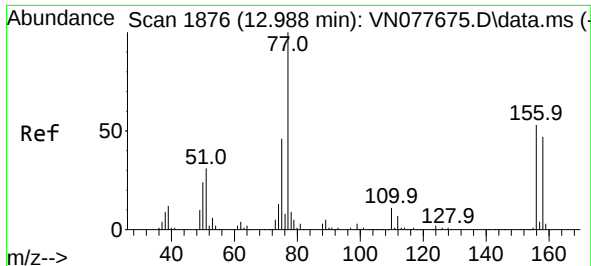
Delta R.T. 0.006 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Tgt Ion:	75	Resp:	5272
Ion Ratio	Lower	Upper	
75	100		
77	196.4	84.5	253.5





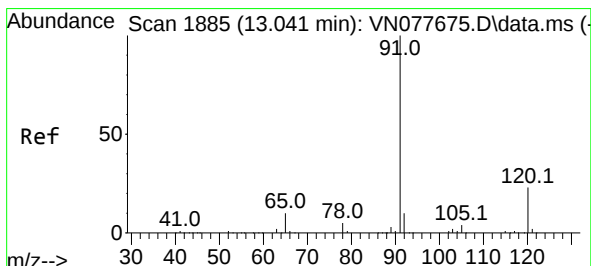
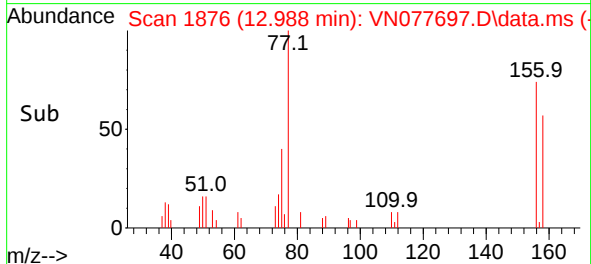
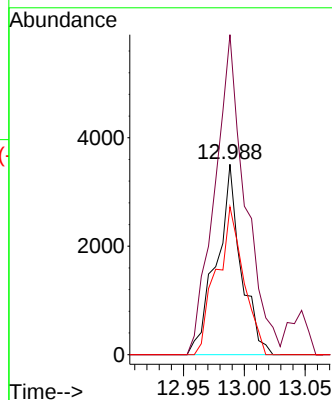
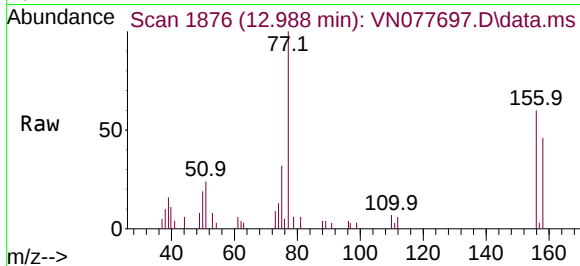
#77
Bromobenzene
Concen: 1.136 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023

Tgt Ion:156 Resp: 493
Ion Ratio Lower Upper
156 100
77 209.7 107.7 323.3
158 85.4 48.4 145.3

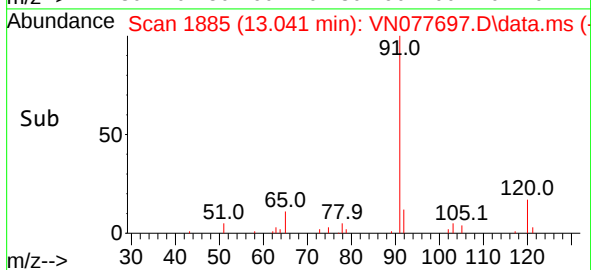
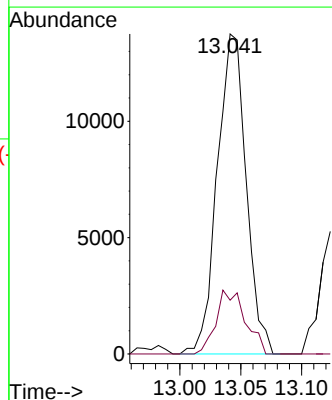
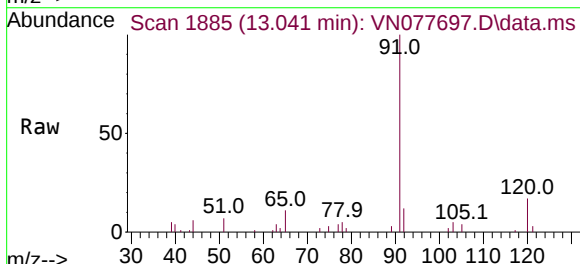
Manual Integrations
APPROVED

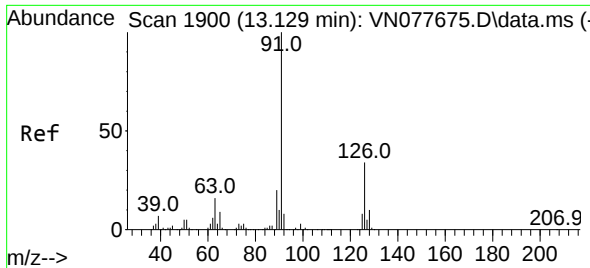
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#78
n-propylbenzene
Concen: 1.013 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Tgt Ion: 91 Resp: 22746
Ion Ratio Lower Upper
91 100
120 20.1 11.5 34.4





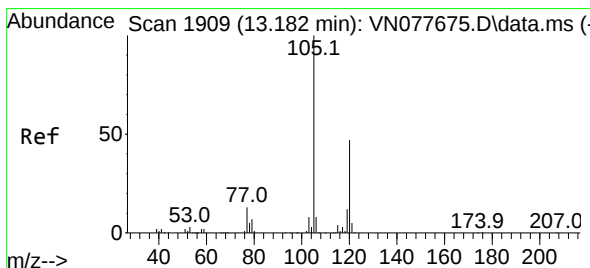
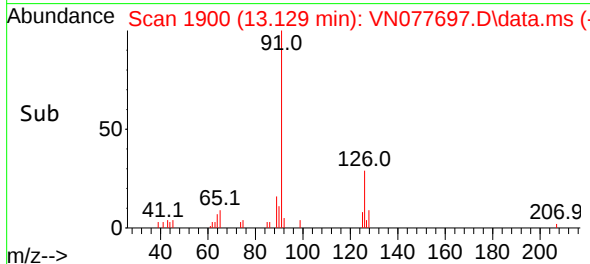
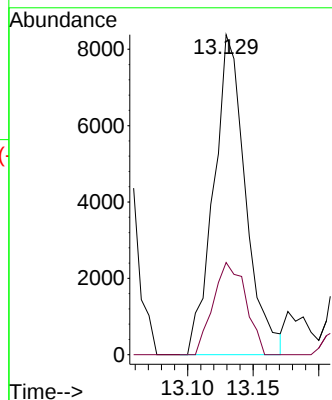
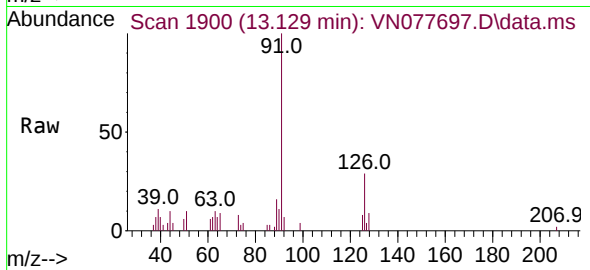
#79
2-Chlorotoluene
Concen: 1.057 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023

Tgt Ion: 91 Resp: 14160
Ion Ratio Lower Upper
91 100
126 29.4 16.3 48.8

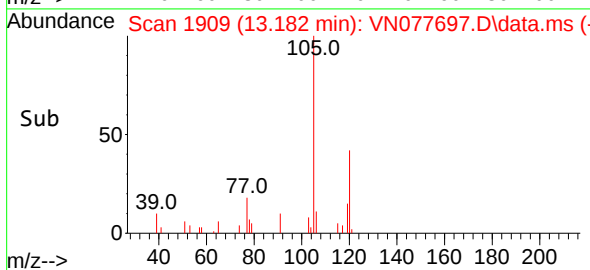
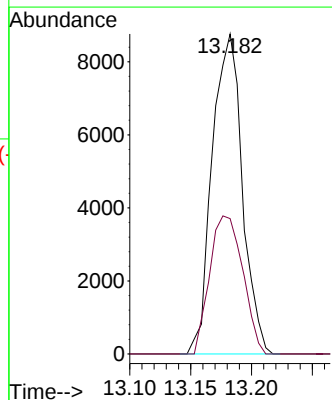
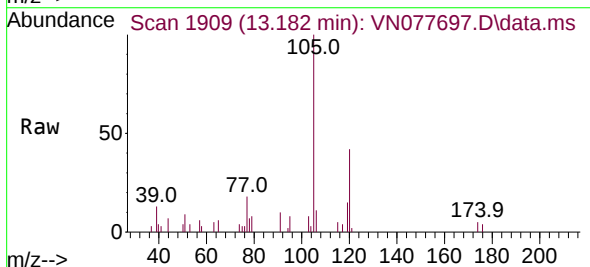
Manual Integrations
APPROVED

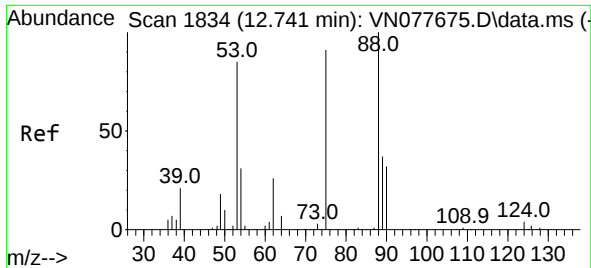
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.941 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

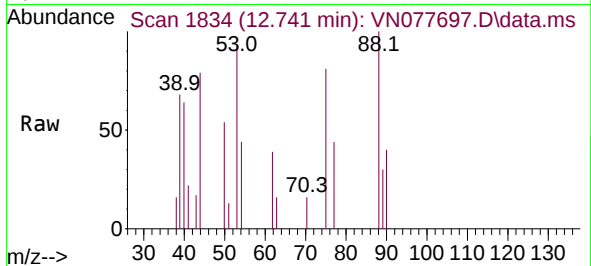
Tgt Ion:105 Resp: 15071
Ion Ratio Lower Upper
105 100
120 47.4 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 0.920 ug/l m
RT: 12.741 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

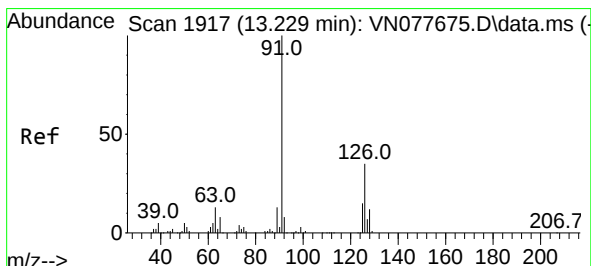
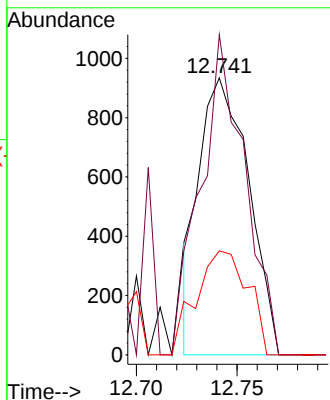
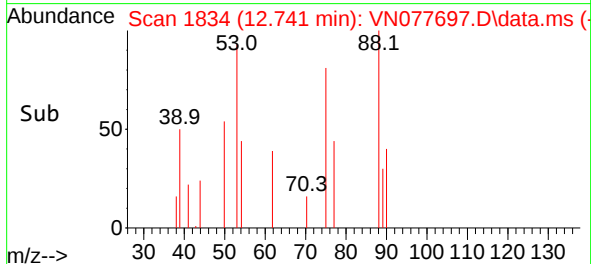
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



Tgt Ion: 75 Resp: 159
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2
89 0.0 38.8 58.2

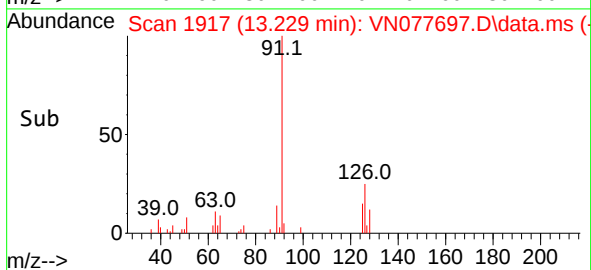
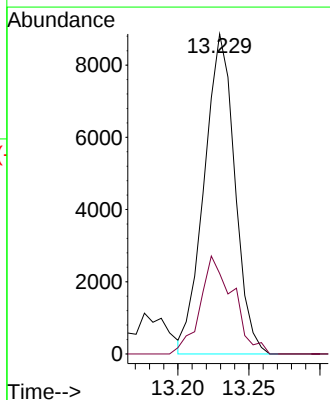
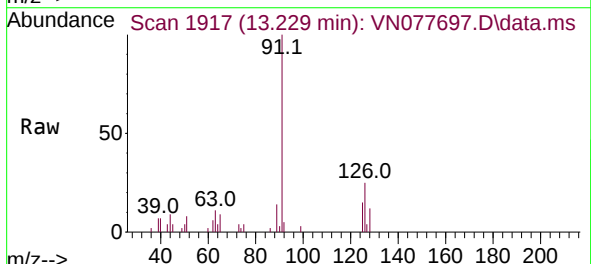
Manual Integrations
APPROVED

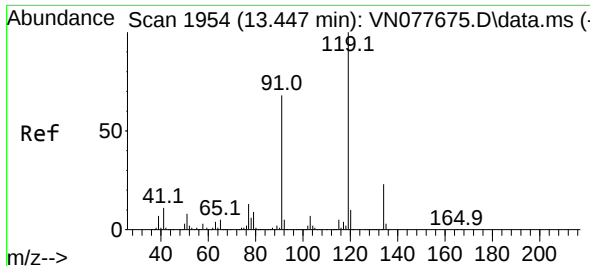
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#82
4-Chlorotoluene
Concen: 0.999 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

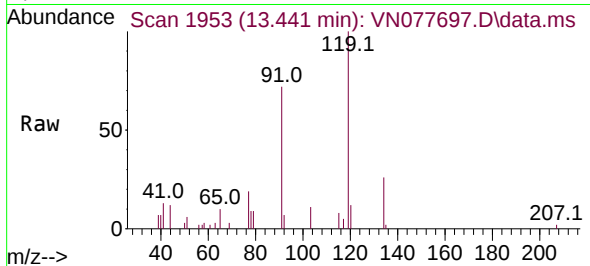
Tgt Ion: 91 Resp: 13321
Ion Ratio Lower Upper
91 100
126 33.1 16.7 50.0





#83
tert-Butylbenzene
Concen: 1.010 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

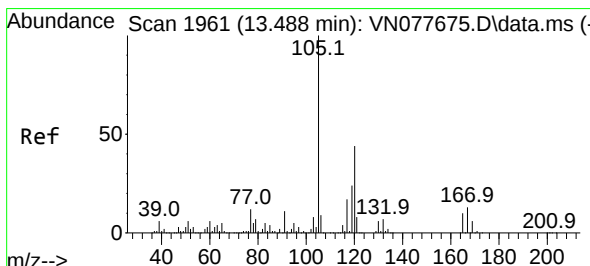
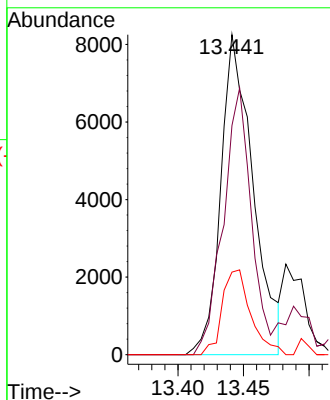
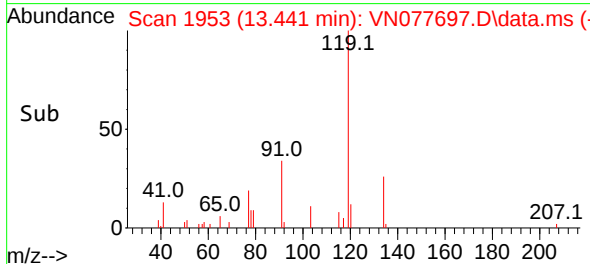
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT2-2023



Tgt Ion:119 Resp: 1411
Ion Ratio Lower Upper
119 100
91 72.3 33.9 101.7
134 23.5 13.2 39.6

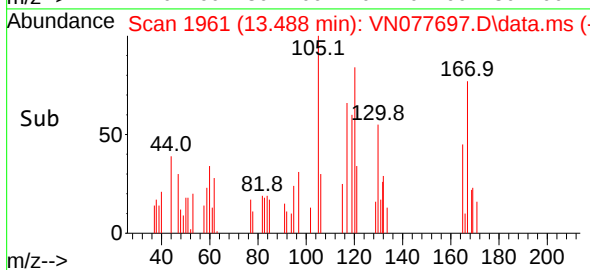
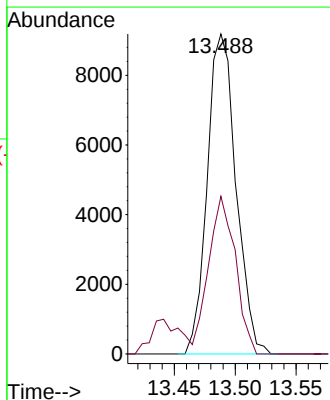
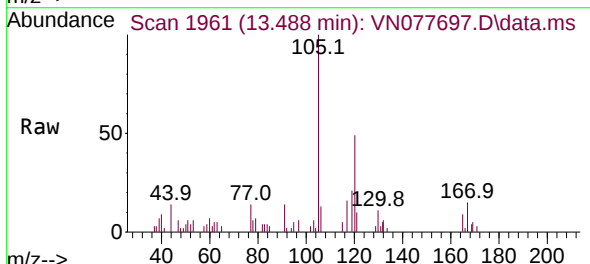
Manual Integrations
APPROVED

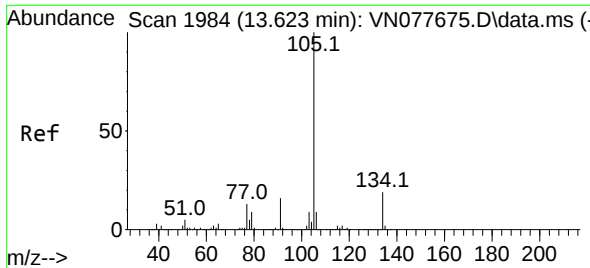
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#84
1,2,4-Trimethylbenzene
Concen: 0.960 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

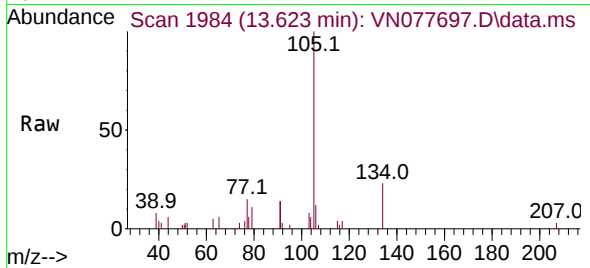
Tgt Ion:105 Resp: 15121
Ion Ratio Lower Upper
105 100
120 45.8 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 0.923 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN077697.D
 Acq: 16 May 2023 17:02

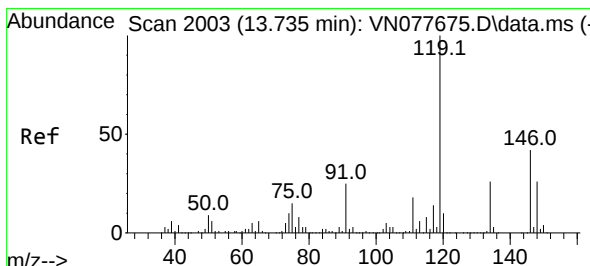
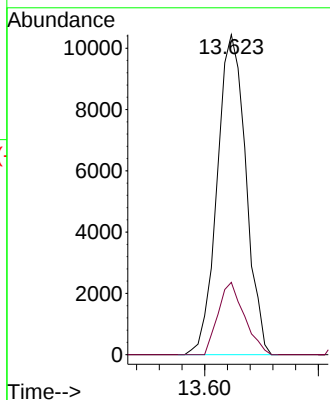
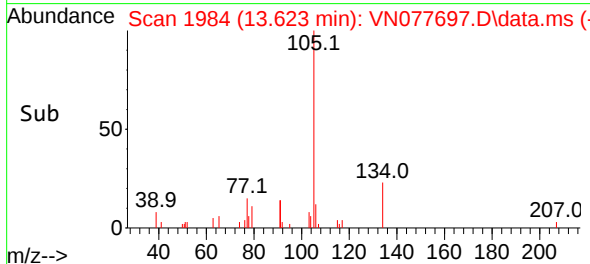
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT2-2023



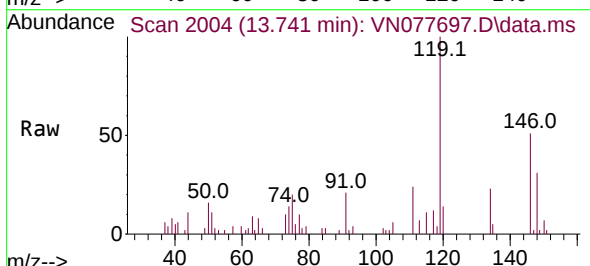
Tgt Ion:105 Resp: 18324
 Ion Ratio Lower Upper
 105 100
 134 20.7 9.8 29.3

Manual Integrations
 APPROVED

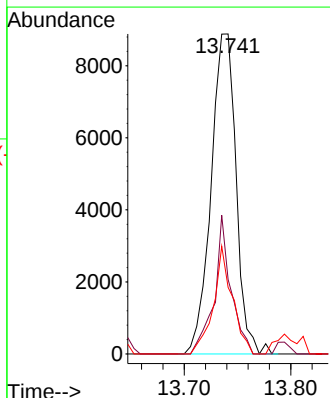
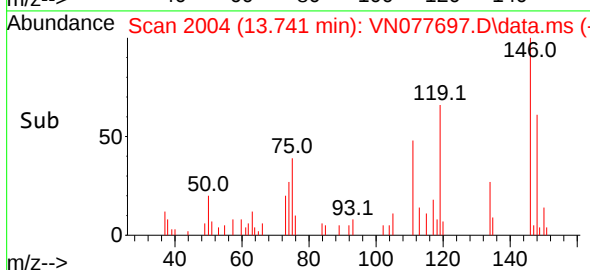
Reviewed By :John Carlone 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

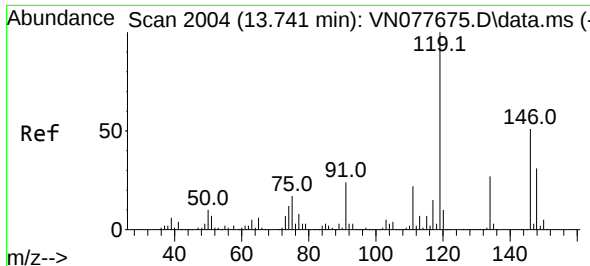


#86
 p-Isopropyltoluene
 Concen: 0.915 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: VN077697.D
 Acq: 16 May 2023 17:02



Tgt Ion:119 Resp: 14494
 Ion Ratio Lower Upper
 119 100
 134 29.0 12.6 37.8
 91 25.5 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 1.043 ug/l

RT: 13.747 min Scan# 2004

Delta R.T. 0.006 min

Lab File: VN077697.D

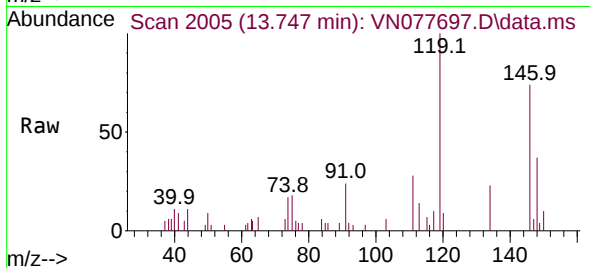
Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023



Tgt Ion:146 Resp: 838

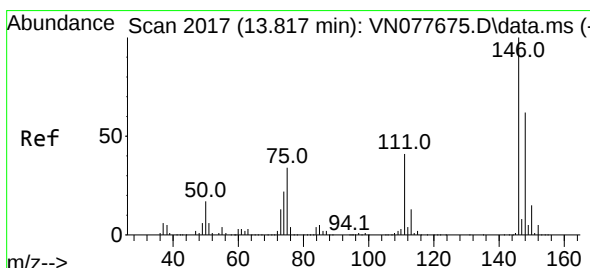
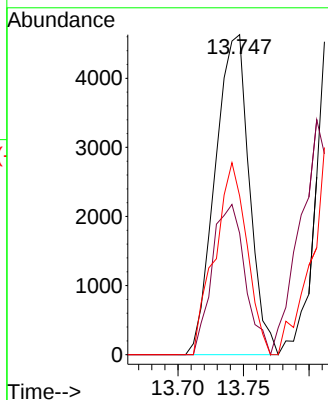
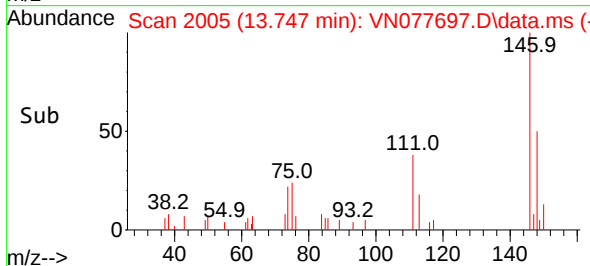
Ion	Ratio	Lower	Upper
146	100		
111	45.5	22.1	66.3
148	56.4	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#88

1,4-Dichlorobenzene

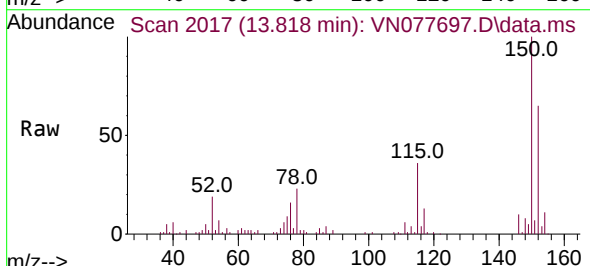
Concen: 1.029 ug/l m

RT: 13.818 min Scan# 2017

Delta R.T. 0.001 min

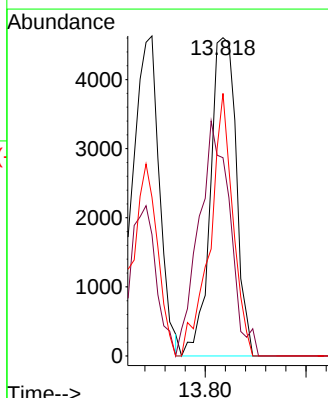
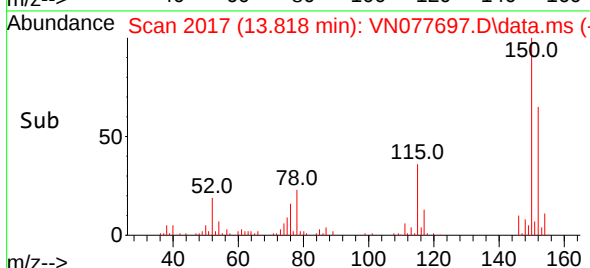
Lab File: VN077697.D

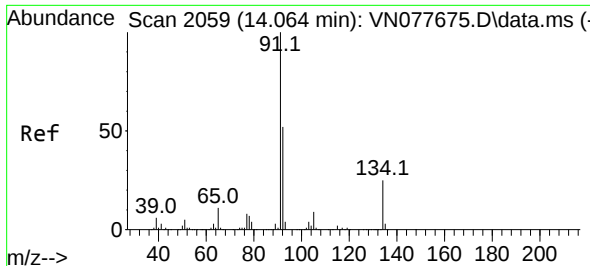
Acq: 16 May 2023 17:02



Tgt Ion:146 Resp: 8205

Ion	Ratio	Lower	Upper
146	100		
111	46.5	20.6	61.8
148	57.7	31.6	94.8





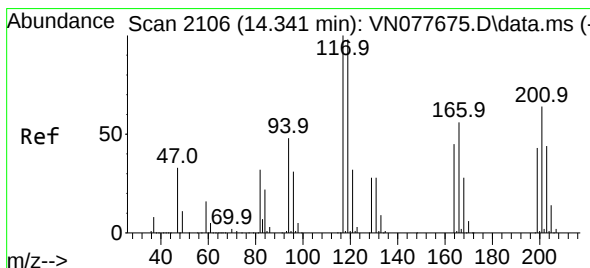
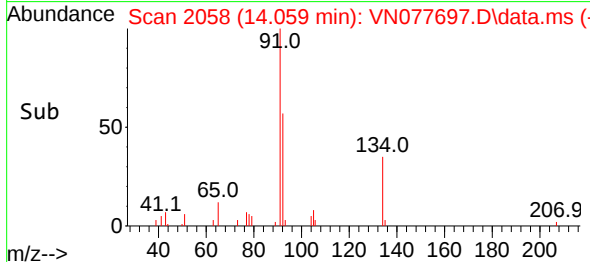
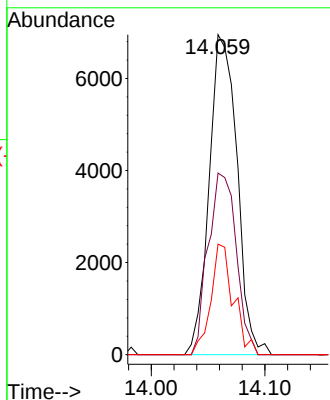
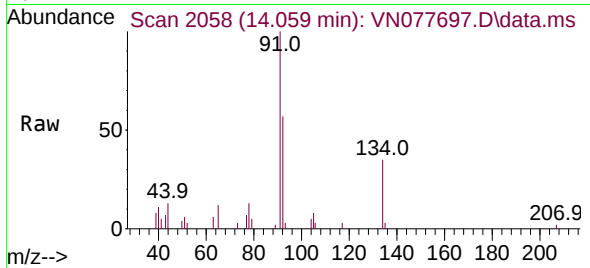
#89
n-Butylbenzene
Concen: 0.813 ug/l
RT: 14.059 min Scan# 2059
Delta R.T. -0.005 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023

Tgt Ion: 91 Resp: 1184
Ion Ratio Lower Upper
91 100
92 57.4 26.4 79.0
134 28.3 12.6 37.6

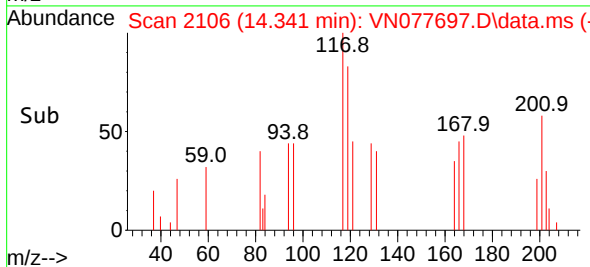
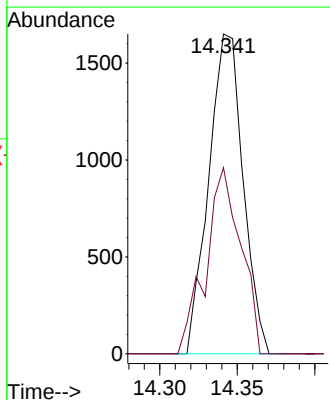
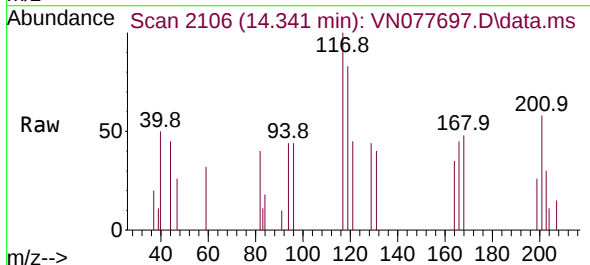
Manual Integrations
APPROVED

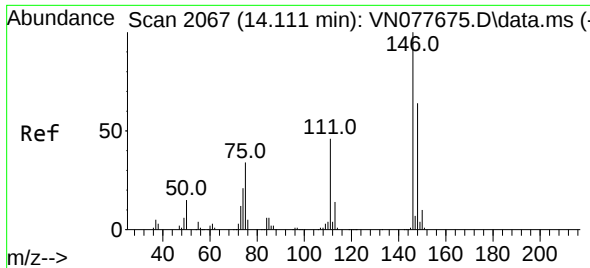
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#90
Hexachloroethane
Concen: 0.978 ug/l
RT: 14.341 min Scan# 2106
Delta R.T. 0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

Tgt Ion:117 Resp: 2544
Ion Ratio Lower Upper
117 100
201 59.4 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 1.074 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.001 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT2-2023

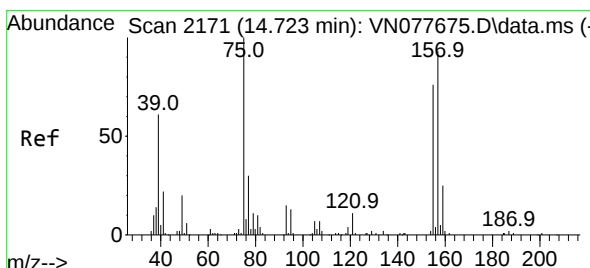
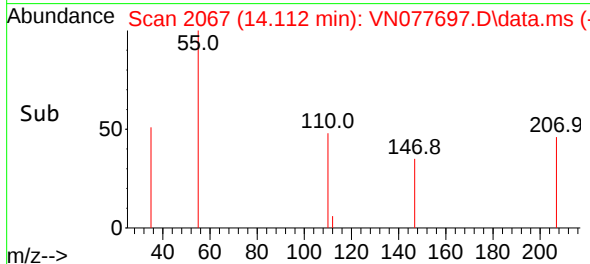
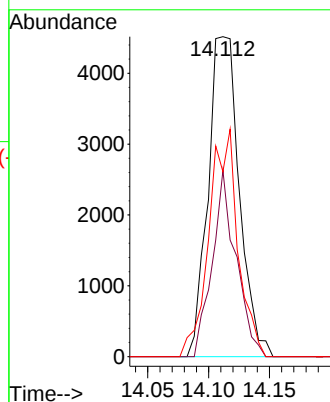
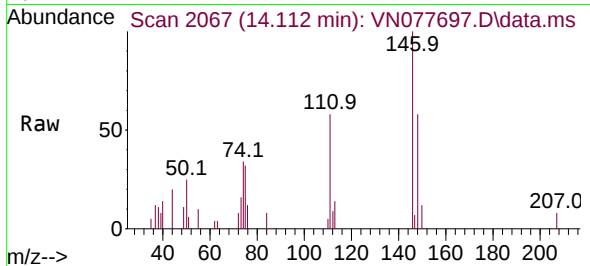
Tgt Ion:	146	Resp:	806
Ion Ratio	Lower	Upper	
146	100		
111	44.2	22.0	66.0
148	65.4	31.8	95.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.182 ug/l

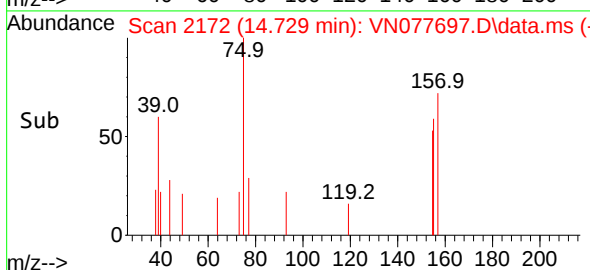
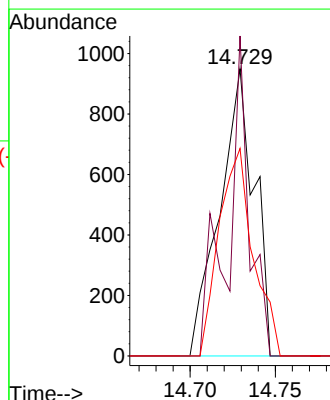
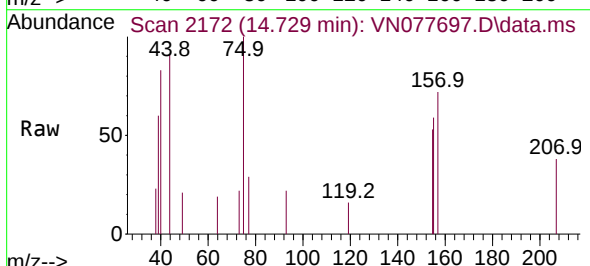
RT: 14.729 min Scan# 2172

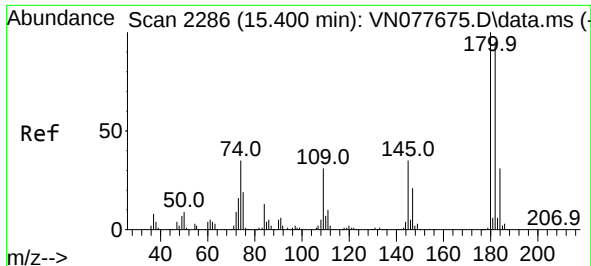
Delta R.T. 0.006 min

Lab File: VN077697.D

Acq: 16 May 2023 17:02

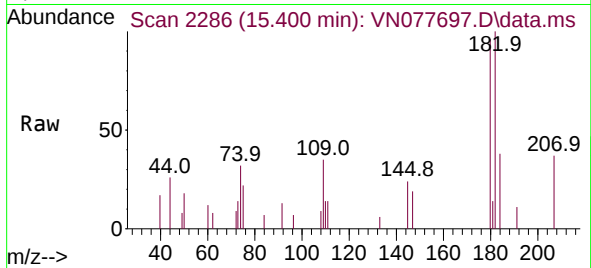
Tgt Ion:	75	Resp:	1341
Ion Ratio	Lower	Upper	
75	100		
155	69.5	39.1	117.2
157	71.4	50.3	150.9





#93
1,2,4-Trichlorobenzene
Concen: 0.891 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

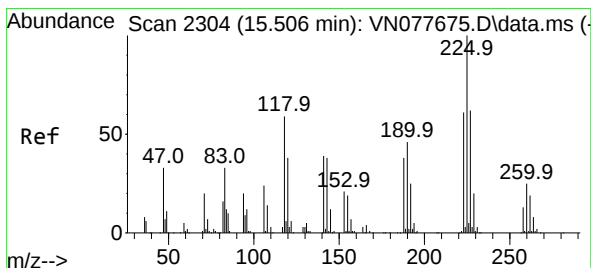
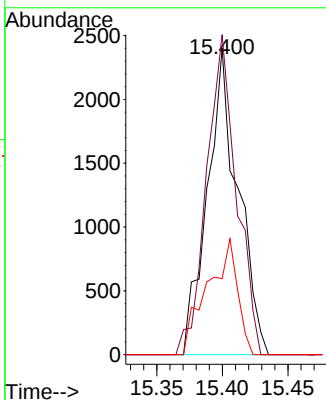
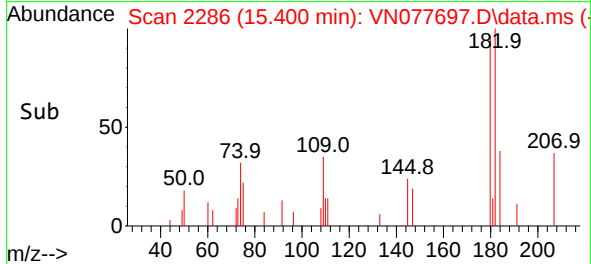
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



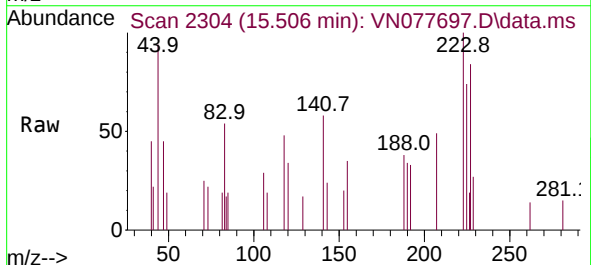
Tgt Ion:180 Resp: 3910
Ion Ratio Lower Upper
180 100
182 101.4 46.1 138.2
145 36.8 16.6 49.8

Manual Integrations
APPROVED

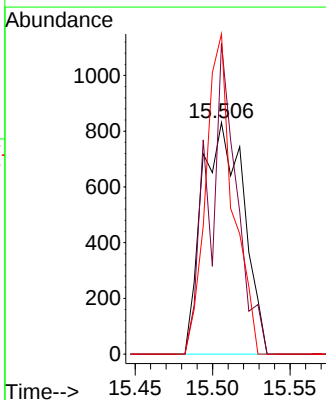
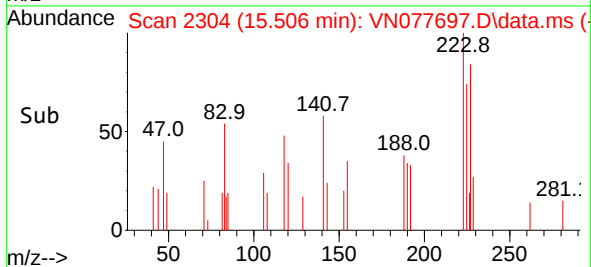
Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

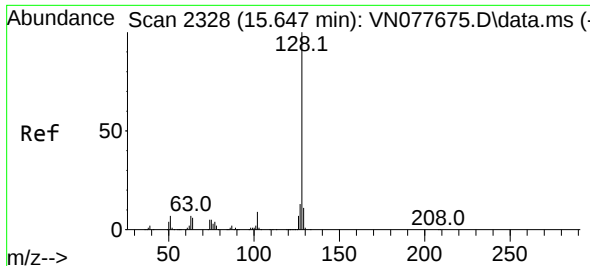


#94
Hexachlorobutadiene
Concen: 0.853 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



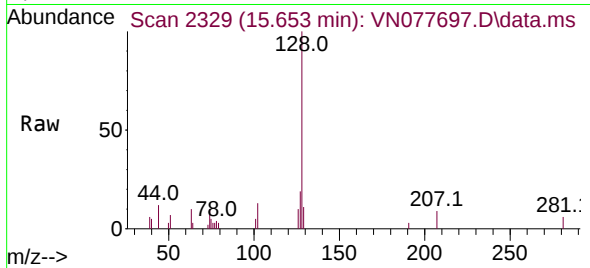
Tgt Ion:225 Resp: 1554
Ion Ratio Lower Upper
225 100
223 90.5 31.3 93.8
227 90.3 31.9 95.9





#95
Naphthalene
Concen: 0.886 ug/l
RT: 15.653 min Scan# 2329
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02

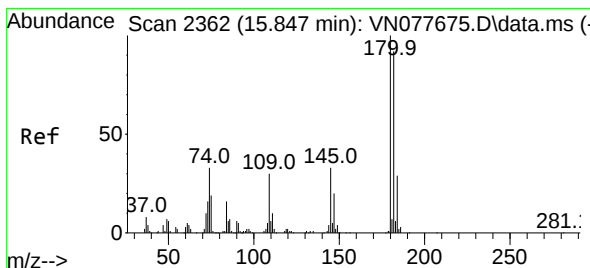
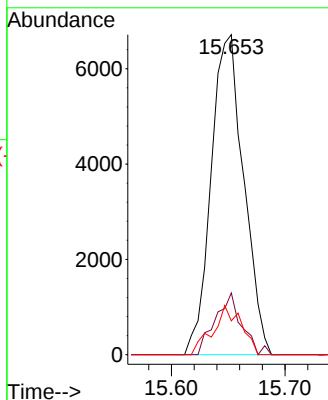
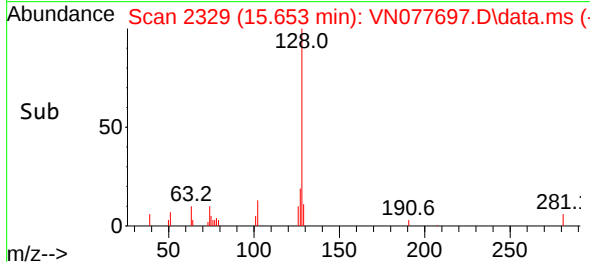
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT2-2023



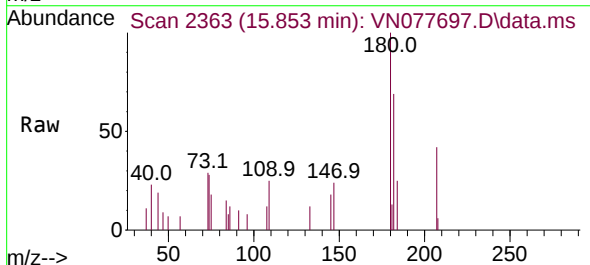
Tgt Ion:128 Resp: 13380
Ion Ratio Lower Upper
128 100
127 15.6 10.0 15.0
129 13.5 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#96
1,2,3-Trichlorobenzene
Concen: 0.902 ug/l
RT: 15.853 min Scan# 2363
Delta R.T. 0.006 min
Lab File: VN077697.D
Acq: 16 May 2023 17:02



Tgt Ion:180 Resp: 3875
Ion Ratio Lower Upper
180 100
182 94.0 46.2 138.6
145 33.2 17.5 52.6

