

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069136.D
 Acq On : 22 Oct 2021 15:31
 Operator : JC/MD
 Sample : M4068-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2021

Quant Time: Oct 23 07:54:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N102221W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 22 13:15:19 2021
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/25/2021
 Supervised By : Mahesh Dadoda 10/25/2021

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

Internal Standards						
1) Bromochloromethane	7.659	128	64471	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	382354	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	347049	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	153725	30.613	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.033%			
60) 4-Bromofluorobenzene	12.733	95	161852	27.198	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 90.667%			
63) Toluene-d8	10.443	98	478581	30.522	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.733%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	16408	3.849	ug/l	99
3) Chloromethane	2.301	50	19619	4.427	ug/l	98
4) Vinyl Chloride	2.443	62	22202	4.203	ug/l	98
5) Bromomethane	2.840	94	17510	5.054	ug/l	99
6) Chloroethane	3.009	64	14554	4.250	ug/l	95
7) Trichlorofluoromethane	3.371	101	29723	4.345	ug/l	99
8) Diethyl Ether	3.827	74	10910	4.504	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.213	101	16468	4.431	ug/l	72
10) 1,1-Dichloroethene	4.186	96	15966	4.403	ug/l	99
11) Methyl Iodide	4.422	142	17615	3.455	ug/l	91
12) Methyl Acetate	4.864	43	34105	4.939	ug/l	97
13) Acrolein	4.049	56	12885	30.970	ug/l	99
14) Acrylonitrile	5.556	53	43788	22.347	ug/l	98
15) Acetone	4.299	58	12218m	19.947	ug/l	
16) Carbon Disulfide	4.532	76	40076	4.113	ug/l	98
17) Allyl chloride	4.840	41	26703	4.276	ug/l	89
18) Methylene Chloride	5.100	84	22757	5.282	ug/l	99
19) trans-1,2-Dichloroethene	5.602	96	17079	4.338	ug/l	96
20) Diisopropyl ether	6.495	45	56389	4.228	ug/l	97
21) 1,1-Dichloroethane	6.391	63	32690	4.391	ug/l	99
22) cis-1,2-Dichloroethene	7.329	96	20765	4.400	ug/l	98
23) tert-Butyl Alcohol	5.369	59	18409	22.898	ug/l #	100
24) Methyl tert-Butyl Ether	5.613	73	60359	4.389	ug/l	99
25) Chloroform	7.817	83	34690	4.361	ug/l	97
26) Cyclohexane	8.094	56	29676	4.328	ug/l #	99
29) 1,1-Dichloropropene	8.225	75	25297	4.204	ug/l	96
30) 2-Butanone	7.337	43	61652	21.338	ug/l	99
31) 2,2-Dichloropropane	7.329	77	29066	4.032	ug/l #	72
32) 1,1,1-Trichloroethane	8.016	97	30213	4.035	ug/l	96
33) Carbon Tetrachloride	8.206	117	25408	3.995	ug/l	96
34) Benzene	8.461	78	75388	4.196	ug/l #	83
35) Methacrylonitrile	7.638	41	12885	4.475	ug/l	98
36) 1,2-Dichloroethane	8.531	62	27932	4.307	ug/l #	95
37) Trichloroethene	9.217	130	19374	4.240	ug/l	99
38) Methylcyclohexane	9.461	83	31041	4.052	ug/l	96
39) 1,2-Dichloropropane	9.491	63	19598	4.277	ug/l	99
40) Dibromomethane	9.579	93	13873	4.331	ug/l	96
41) Bromodichloromethane	9.762	83	25708	4.016	ug/l	91
42) Vinyl Acetate	6.436	43	191233	18.549	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.412	43	22632	4.016	ug/l	97
44) Isopropyl Acetate	8.560	43	45014	4.313	ug/l	99
45) 1,4-Dioxane	9.571	88	7304	87.450	ug/l	90
46) Methyl methacrylate	9.561	41	18508	3.923	ug/l	90
47) n-amyl Acetate	12.390	43	31812	3.591	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	28283	3.820	ug/l	100
49) cis-1,3-Dichloropropene	10.191	75	30180	3.915	ug/l	94
50) 1,1,2-Trichloroethane	10.899	97	19145	4.164	ug/l	96
51) Ethyl methacrylate	10.762	69	30894	4.077	ug/l	91
52) 1,3-Dichloropropane	11.046	76	32693	4.227	ug/l	99
53) Dibromochloromethane	11.240	129	18159	3.700	ug/l	99
54) 1,2-Dibromoethane	11.349	107	19523	4.062	ug/l	96
55) 2-Chloroethyl vinyl ether	10.043	63	53006	22.030	ug/l	100
56) Bromoform	12.460	173	11919	3.369	ug/l #	99
58) 4-Methyl-2-Pentanone	10.330	43	129829	22.174	ug/l	99
59) 2-Hexanone	11.087	43	93724	21.198	ug/l	97
61) Tetrachloroethene	10.977	164	16883	4.476	ug/l	97
62) Toluene	10.507	91	87657	4.336	ug/l	96
64) Chlorobenzene	11.773	112	51417	4.194	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.843	131	18471	4.050	ug/l	98
66) Ethyl Benzene	11.846	91	94458	4.156	ug/l	100
67) m/p-Xylenes	11.956	106	70243	8.219	ug/l	97
68) o-Xylene	12.283	106	35557	4.155	ug/l	97
69) Styrene	12.296	104	55566	3.918	ug/l	98
70) Isopropylbenzene	12.581	105	90169	4.019	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.830	83	28397	4.318	ug/l	94
72) 1,2,3-Trichloropropane	12.881	75	23258m	4.116	ug/l	
73) Bromobenzene	12.862	156	20908	4.111	ug/l	99
74) n-propylbenzene	12.924	91	98094	3.807	ug/l	100
75) 2-Chlorotoluene	13.010	91	63440	4.021	ug/l	97
76) 1,3,5-Trimethylbenzene	13.061	105	73723	3.943	ug/l	100
77) t-1,4-Dichloro-2-butene	12.629	75	7157	3.239	ug/l	97
78) 4-Chlorotoluene	13.106	91	58972	3.814	ug/l	95
79) tert-butylbenzene	13.326	119	65015	3.960	ug/l	98
80) 1,2,4-Trimethylbenzene	13.369	105	71065	3.871	ug/l #	82
81) sec-Butylbenzene	13.503	105	87531	3.808	ug/l	100
82) p-Isopropyltoluene	13.618	119	71416	3.809	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	33108	3.698	ug/l	99
84) 1,4-Dichlorobenzene	13.696	146	31745	3.641	ug/l	98
85) n-Butylbenzene	13.946	91	54772	3.493	ug/l	99
86) Hexachloroethane	14.214	117	12128	3.455	ug/l	87
87) 1,2-Dichlorobenzene	13.991	146	32123	3.755	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.608	75	4167	3.402	ug/l	94
89) 1,2,4-Trichlorobenzene	15.265	180	14079	3.264	ug/l	98
90) Hexachlorobutadiene	15.372	225	9158	4.061	ug/l	98
91) Naphthalene	15.509	128	37323	2.992	ug/l	98
92) 1,2,3-Trichlorobenzene	15.705	180	13683	3.319	ug/l	99

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

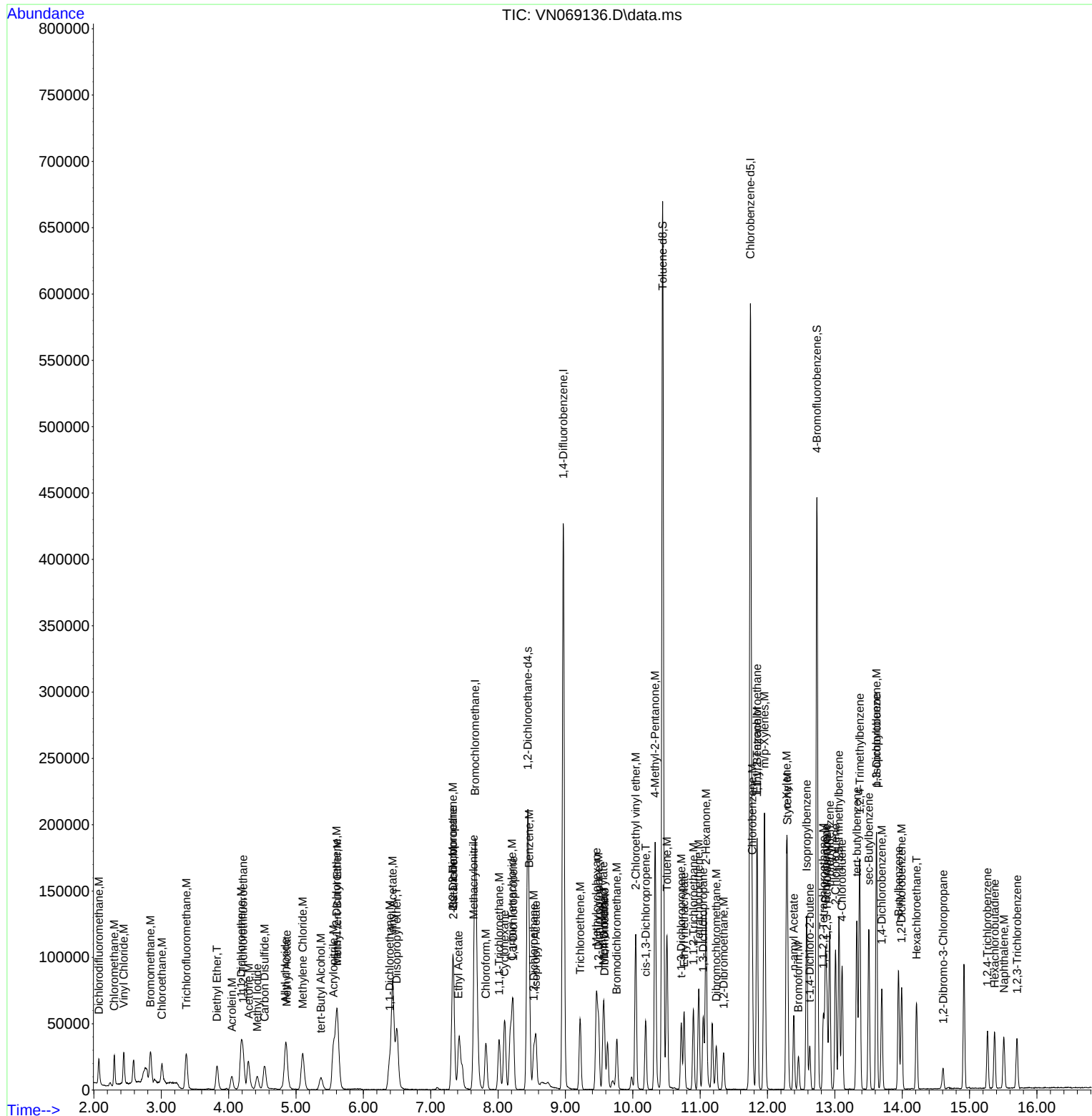
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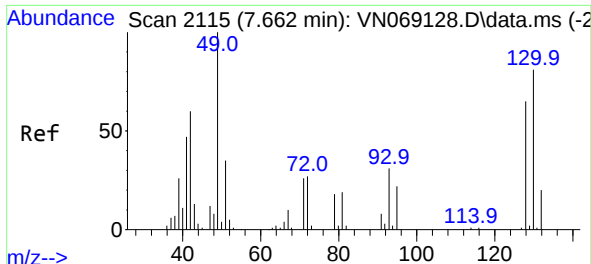
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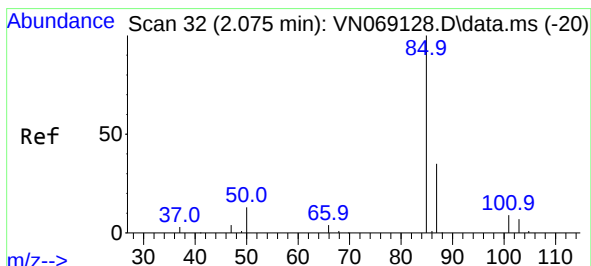
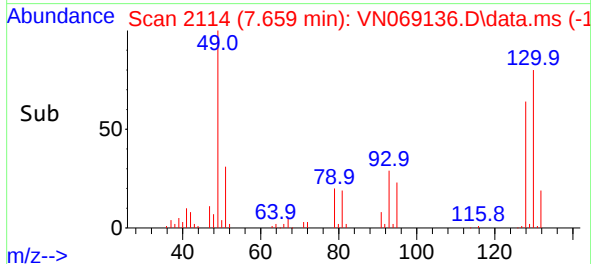
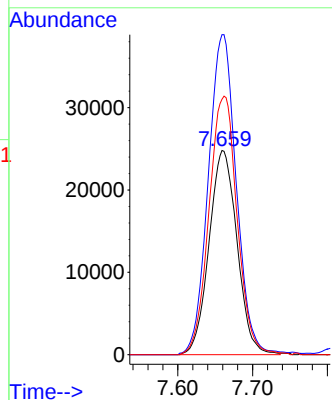
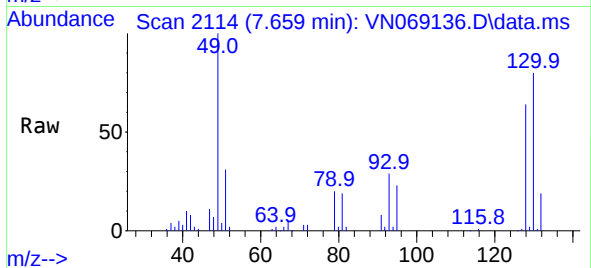
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion:128 Resp: 6447
Ion Ratio Lower Upper
128 100
49 156.8 0.0 392.3
130 127.8 0.0 320.2

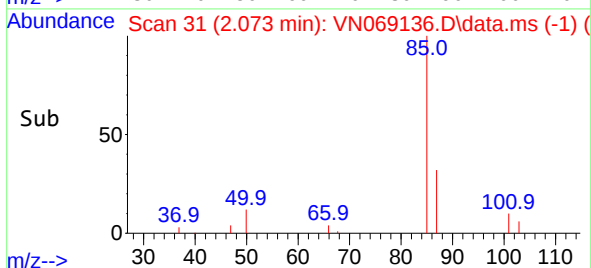
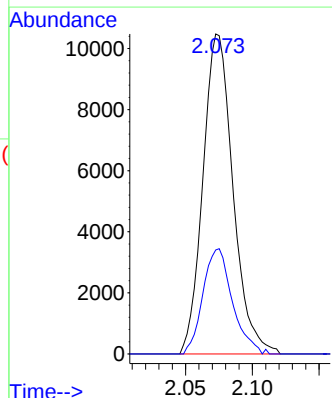
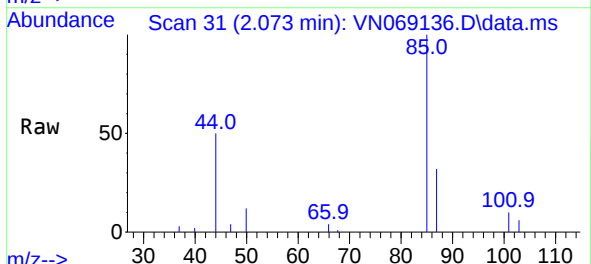
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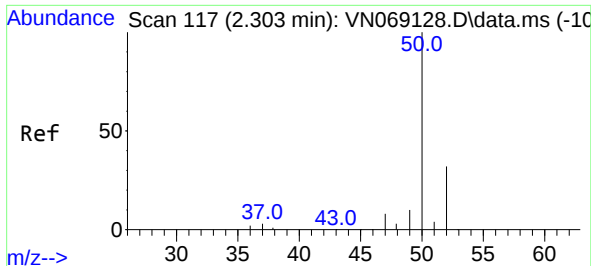
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#2
Dichlorodifluoromethane
Concen: 3.849 ug/l
RT: 2.073 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion: 85 Resp: 16408
Ion Ratio Lower Upper
85 100
87 32.5 16.6 49.7





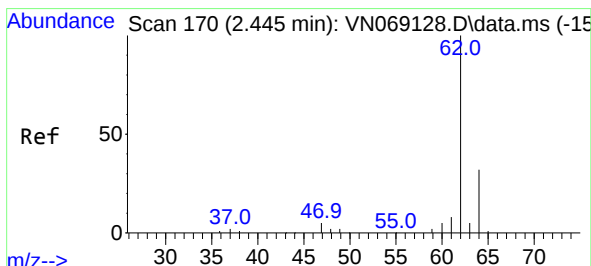
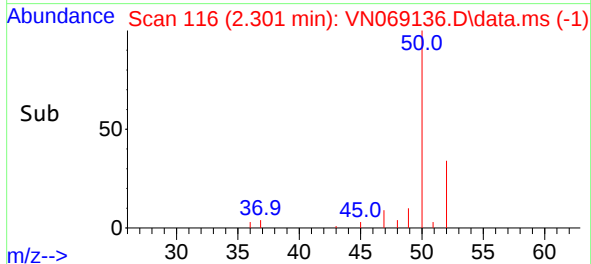
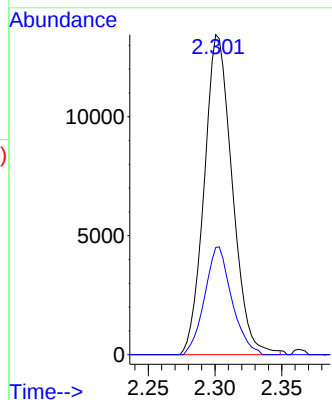
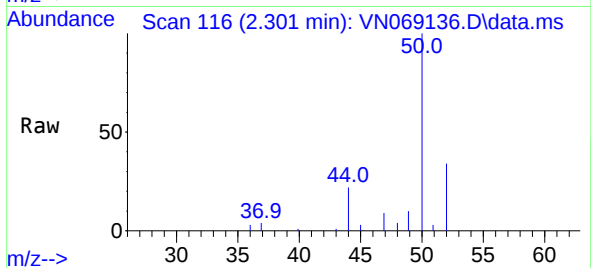
#3
Chloromethane
Concen: 4.427 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion: 50 Resp: 19619
Ion Ratio Lower Upper
50 100
52 33.5 27.8 41.6

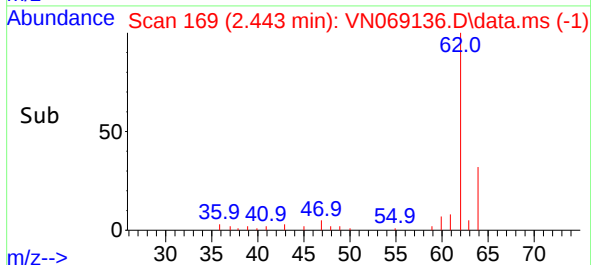
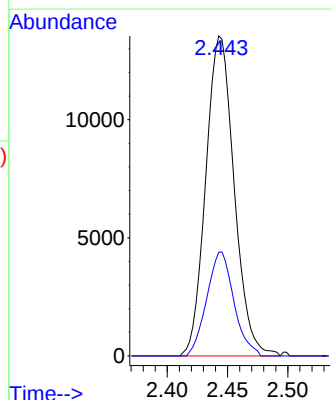
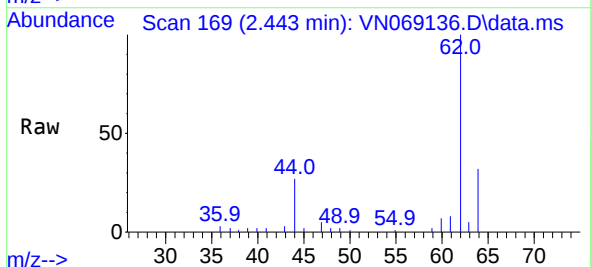
Manual Integrations
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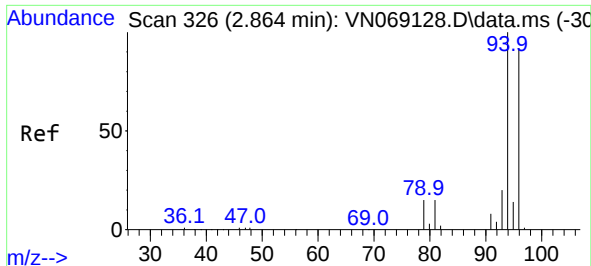
Reviewed By :John Carlone 10/25/2021
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#4
Vinyl Chloride
Concen: 4.203 ug/l
RT: 2.443 min Scan# 169
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

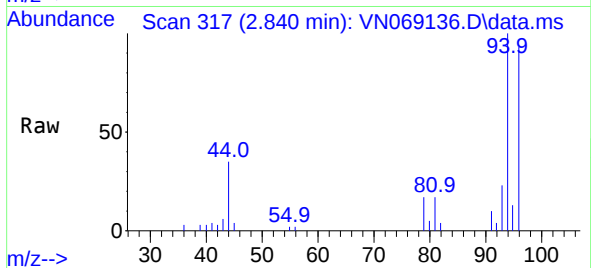
Tgt Ion: 62 Resp: 22202
Ion Ratio Lower Upper
62 100
64 32.4 25.1 37.7





#5
Bromomethane
Concen: 5.054 ug/l
RT: 2.840 min Scan# 317
Delta R.T. -0.024 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

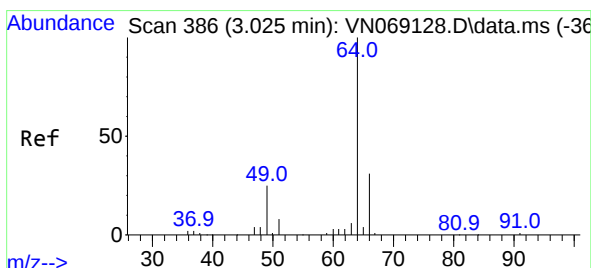
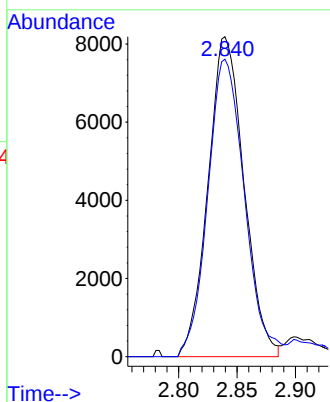
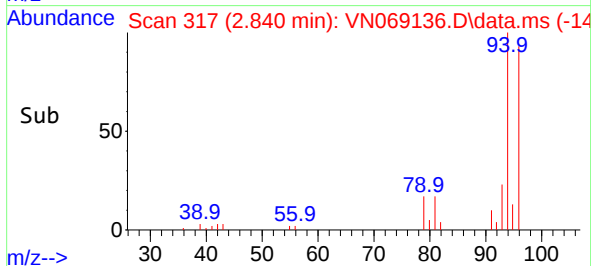
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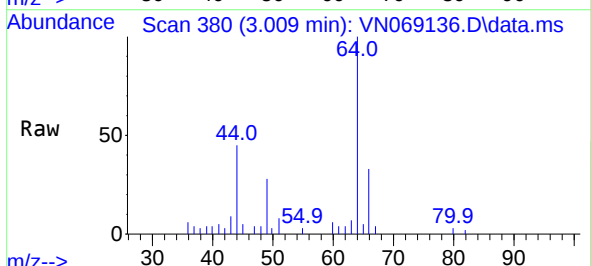
Tgt Ion: 94 Resp: 17510
Ion Ratio Lower Upper
94 100
96 92.9 75.2 112.8

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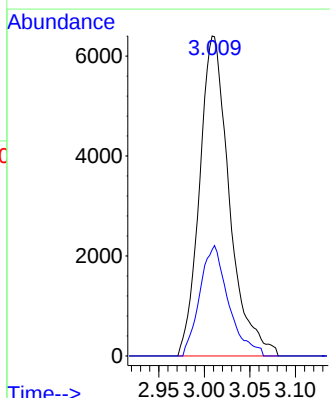
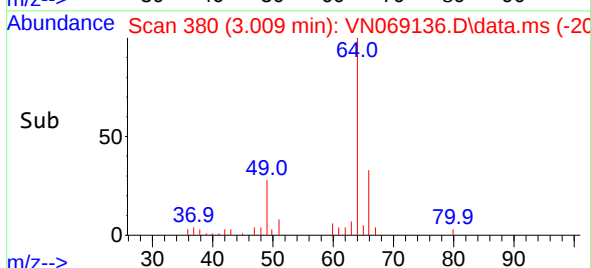
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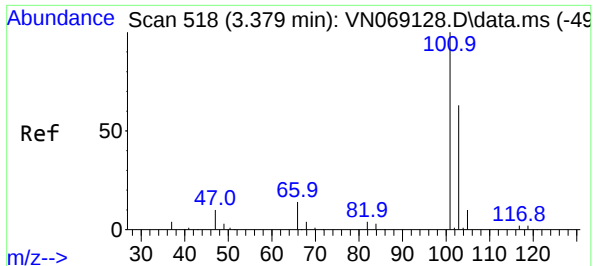


#6
Chloroethane
Concen: 4.250 ug/l
RT: 3.009 min Scan# 380
Delta R.T. -0.016 min
Lab File: VN069136.D
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Tgt Ion: 64 Resp: 14554
Ion Ratio Lower Upper
64 100
66 33.2 24.6 36.8





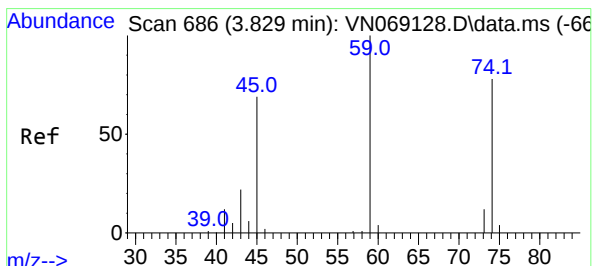
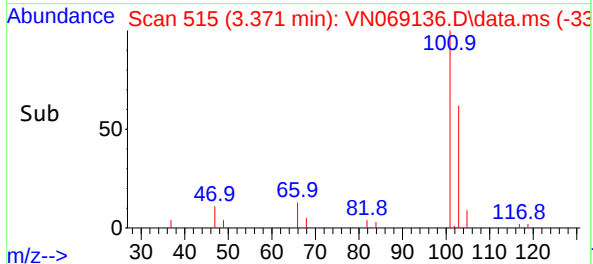
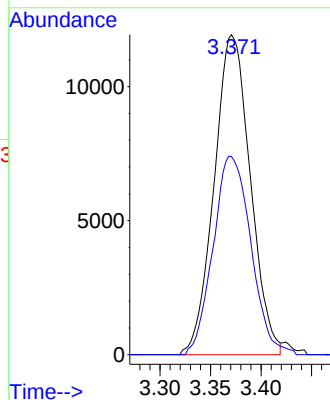
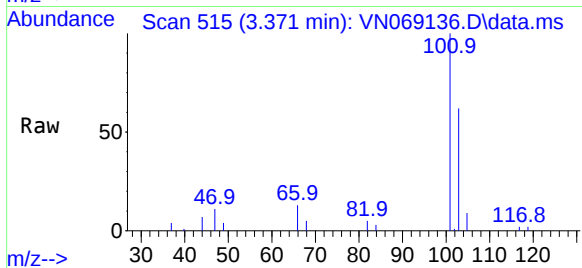
#7
Trichlorofluoromethane
Concen: 4.345 ug/l
RT: 3.371 min Scan# 518
Delta R.T. -0.008 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion:101 Resp: 2972
Ion Ratio Lower Upper
101 100
103 61.9 50.1 75.1

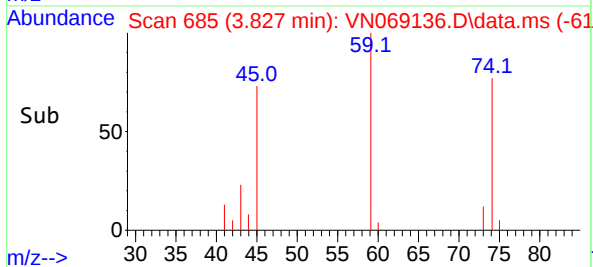
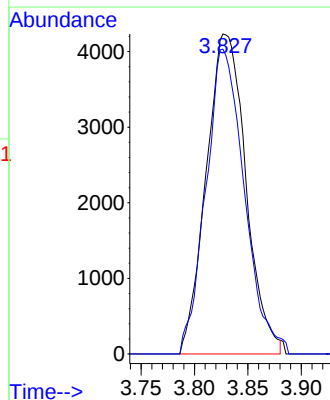
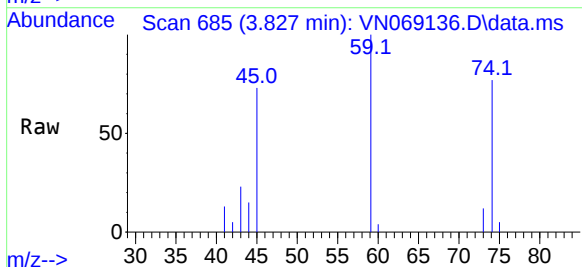
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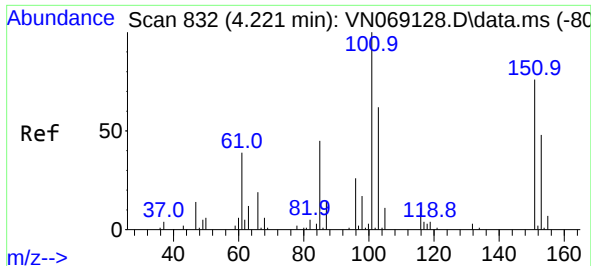
Reviewed By :John Carlone 10/25/2021
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#8
Diethyl Ether
Concen: 4.504 ug/l
RT: 3.827 min Scan# 685
Delta R.T. -0.003 min
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Tgt Ion: 74 Resp: 10910
Ion Ratio Lower Upper
74 100
45 92.5 17.6 158.8





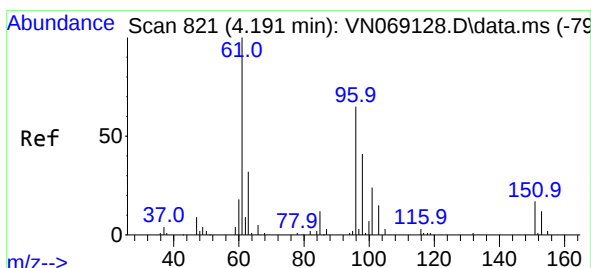
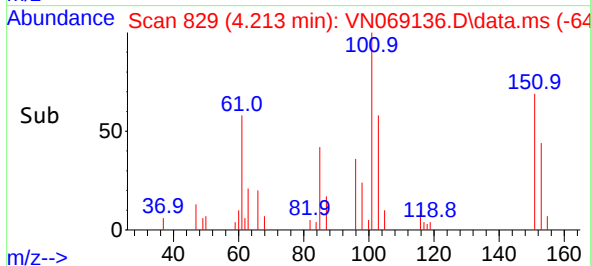
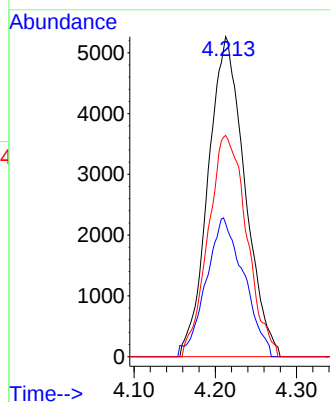
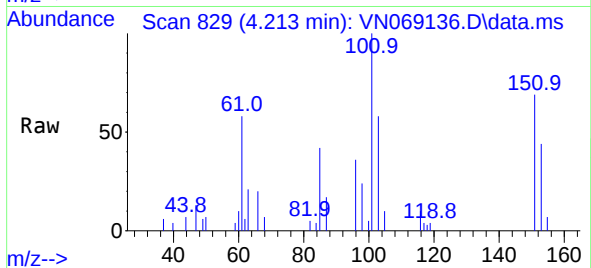
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1,1,2-Trichlorotrifluoroethane
Concen: 4.431 ug/l
RT: 4.213 min Scan# 819
Delta R.T. -0.008 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion:101 Resp: 1646
Ion Ratio Lower Upper
101 100
85 44.3 0.0 94.0
151 72.7 0.0 74.6

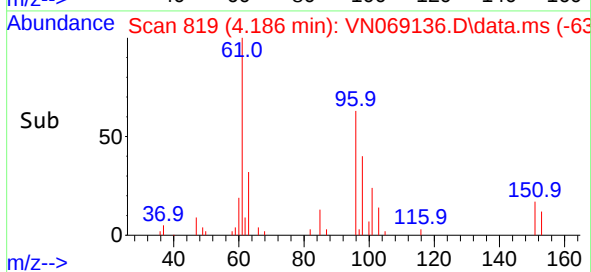
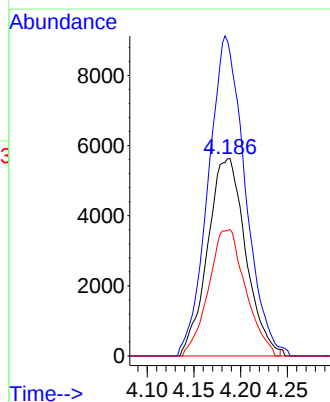
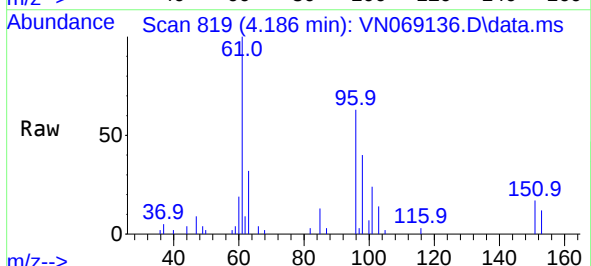
Manual Integrations
APPROVED

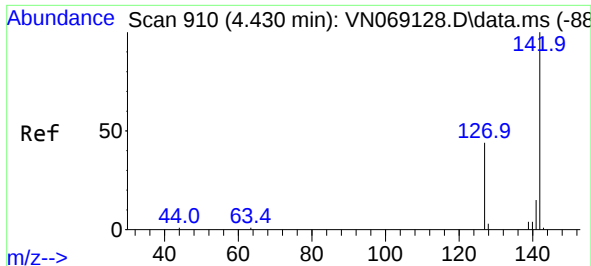
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#10
1,1-Dichloroethene
Concen: 4.403 ug/l
RT: 4.186 min Scan# 819
Delta R.T. -0.005 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

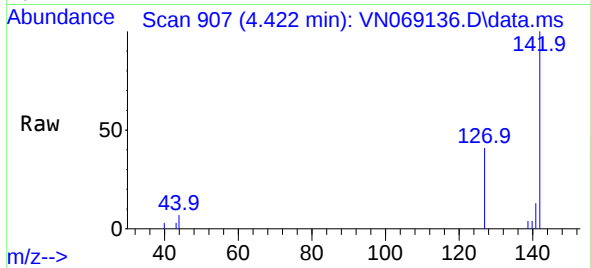
Tgt Ion: 96 Resp: 15966
Ion Ratio Lower Upper
96 100
61 155.4 126.2 189.4
98 63.7 50.9 76.3





#11
Methyl Iodide
Concen: 3.455 ug/l
RT: 4.422 min Scan# 907
Delta R.T. -0.008 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

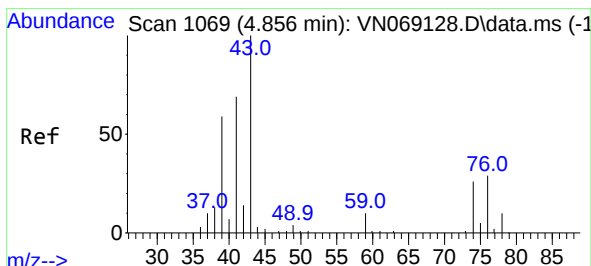
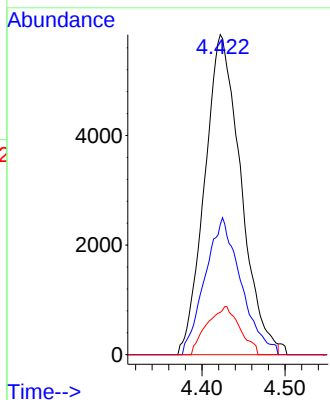
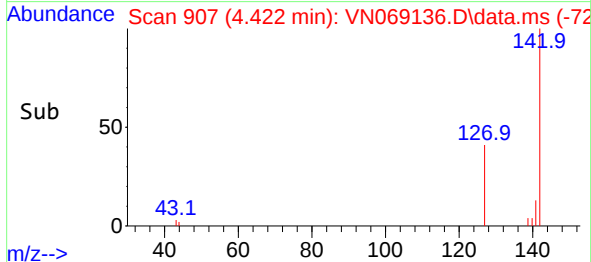
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



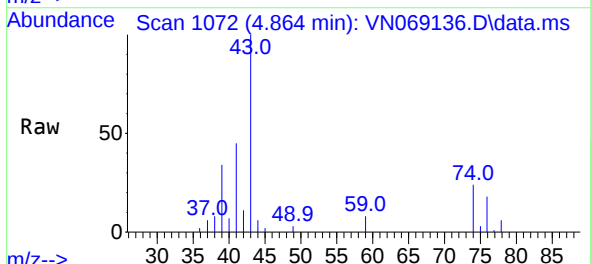
Tgt Ion:142 Resp: 17615
Ion Ratio Lower Upper
142 100
127 41.4 24.0 72.0
141 13.4 8.4 25.2

Manual Integrations
APPROVED

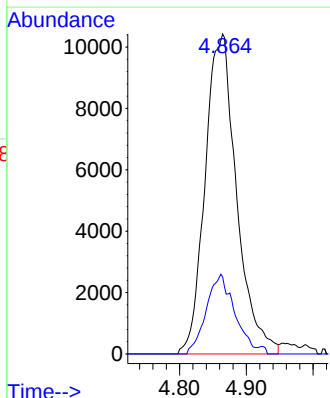
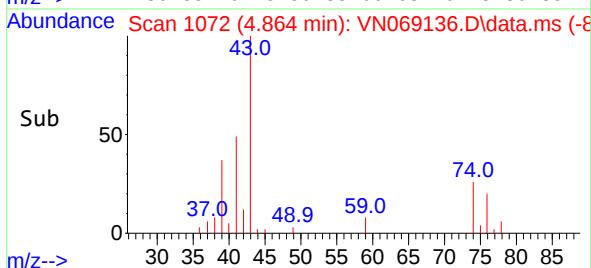
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

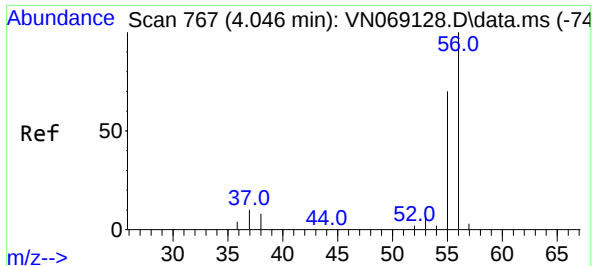


#12
Methyl Acetate
Concen: 4.939 ug/l
RT: 4.864 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



Tgt Ion: 43 Resp: 34105
Ion Ratio Lower Upper
43 100
74 24.4 20.8 31.2





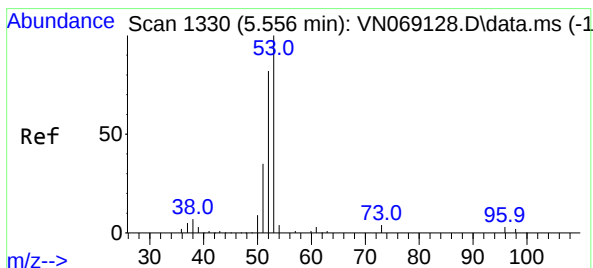
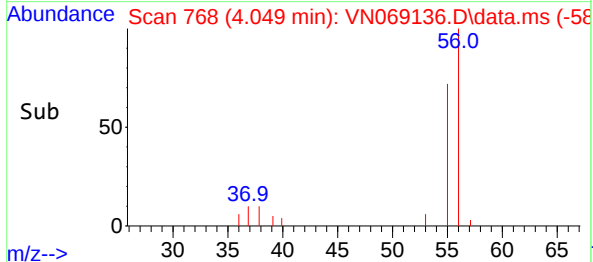
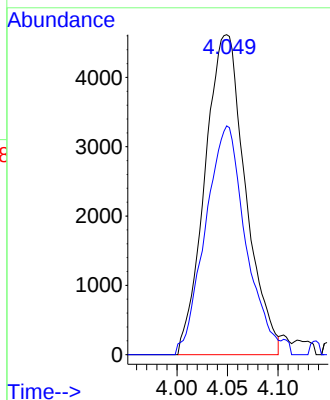
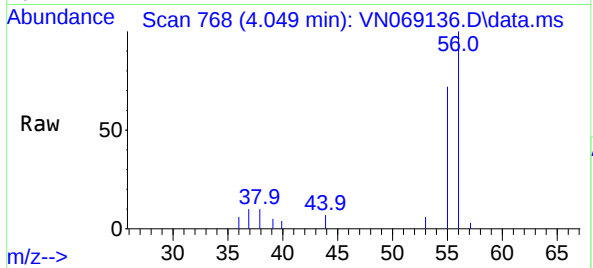
#13
Acrolein
Concen: 30.970 ug/l
RT: 4.049 min Scan# 768
Delta R.T. 0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion: 56 Resp: 1288
Ion Ratio Lower Upper
56 100
55 71.1 57.6 86.4

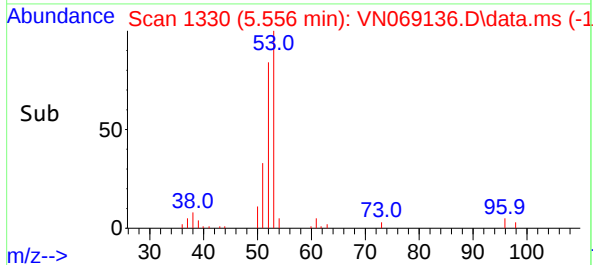
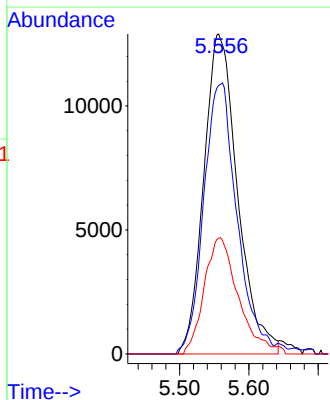
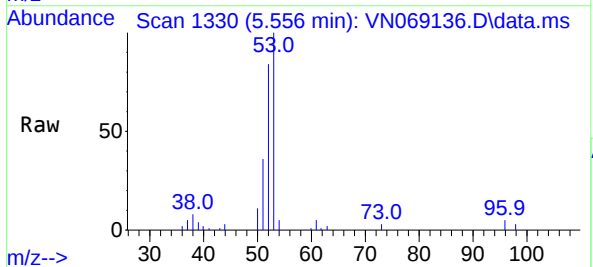
Manual Integrations
APPROVED

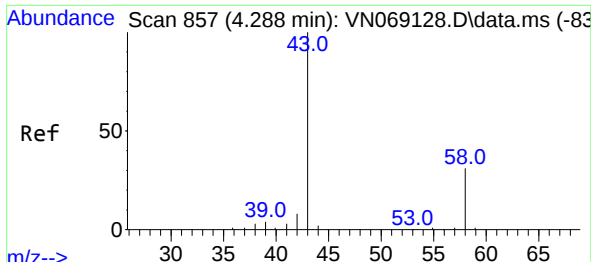
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#14
Acrylonitrile
Concen: 22.347 ug/l
RT: 5.556 min Scan# 1330
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion: 53 Resp: 43788
Ion Ratio Lower Upper
53 100
52 82.0 41.8 125.4
51 36.2 19.0 57.0





#15

Acetone

Concen: 19.947 ug/l m

RT: 4.299 min Scan# 8

Delta R.T. 0.011 min

Lab File: VN069136.D

Acq: 22 Oct 2021 15:31

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2021

Tgt Ion: 58 Resp: 12218

Ion Ratio Lower Upper

58 100

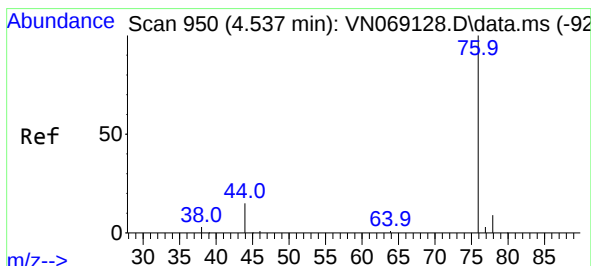
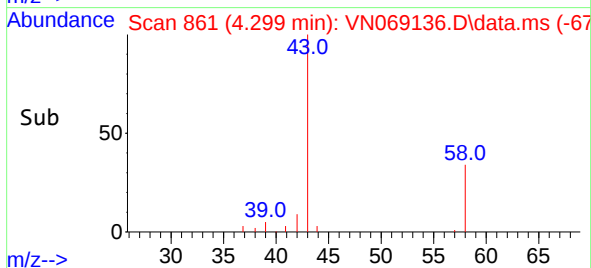
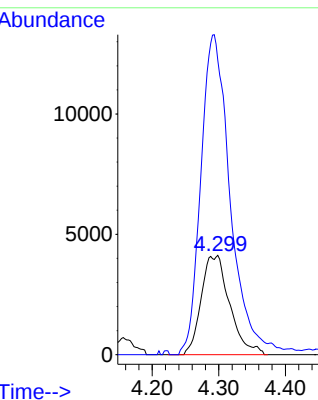
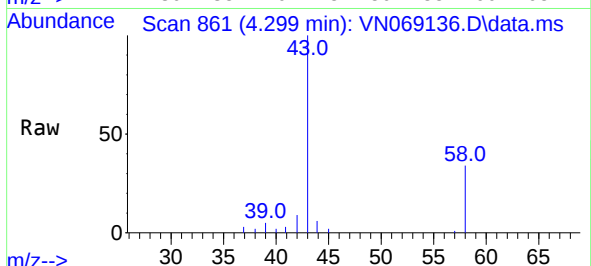
43 296.4 256.6 384.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#16

Carbon Disulfide

Concen: 4.113 ug/l

RT: 4.532 min Scan# 948

Delta R.T. -0.005 min

Lab File: VN069136.D

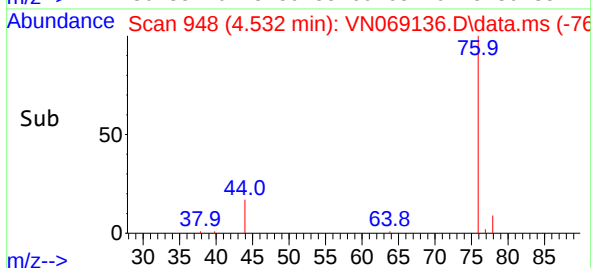
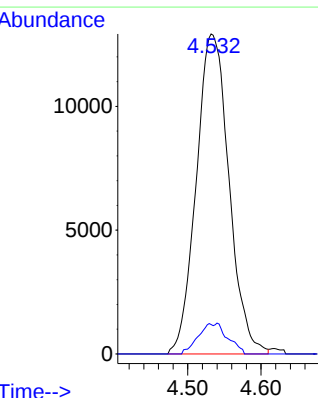
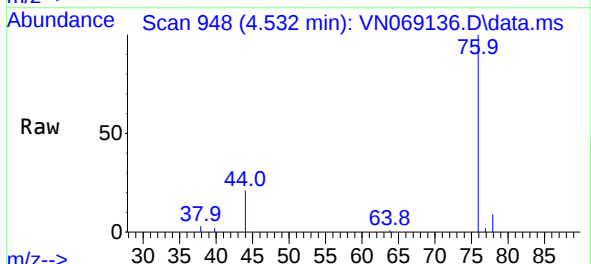
Acq: 22 Oct 2021 15:31

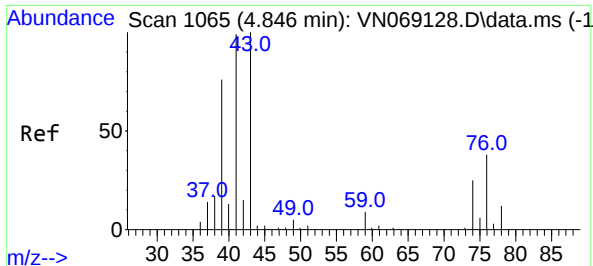
Tgt Ion: 76 Resp: 40076

Ion Ratio Lower Upper

76 100

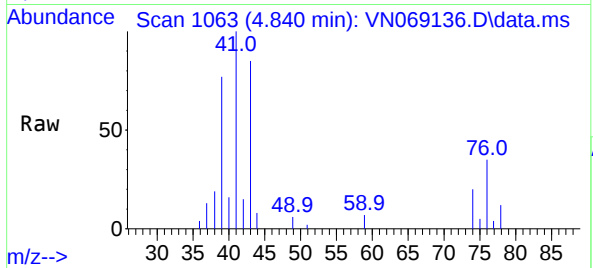
78 9.2 7.8 11.8





#17
 Allyl chloride
 Concen: 4.276 ug/l
 RT: 4.840 min Scan# 1065
 Delta R.T. -0.005 min
 Lab File: VN069136.D
 Acq: 22 Oct 2021 15:31

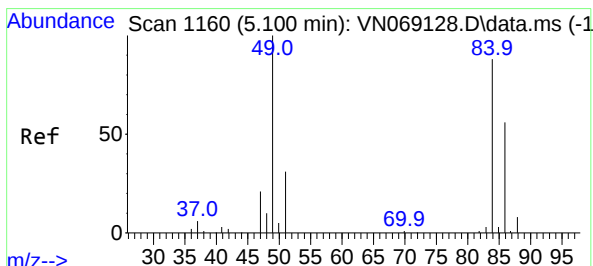
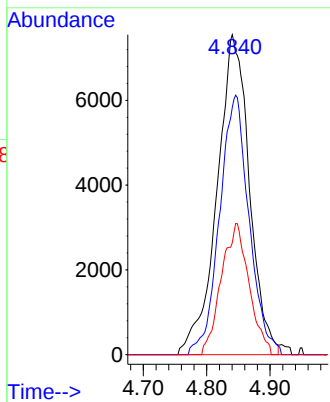
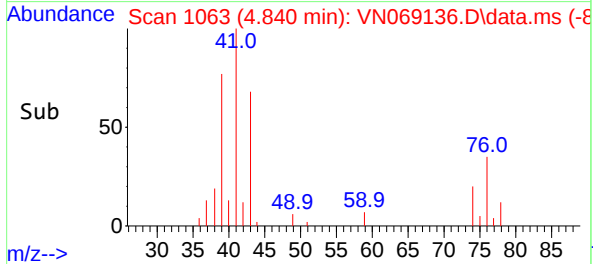
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2021



Tgt Ion: 41 Resp: 2670
 Ion Ratio Lower Upper
 41 100
 39 77.2 44.6 134.0
 76 34.9 19.6 58.7

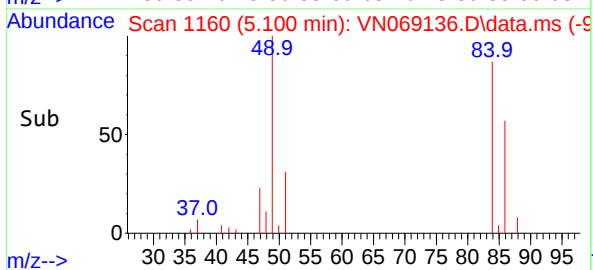
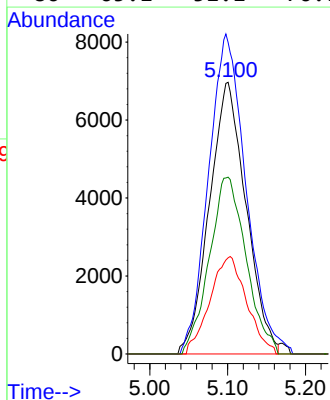
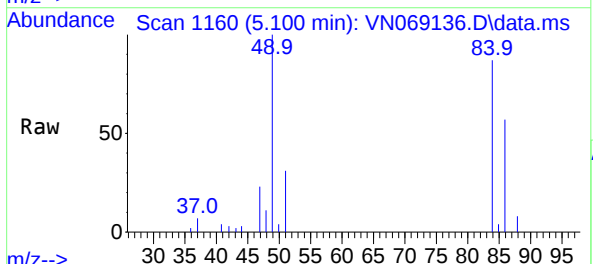
Manual Integrations
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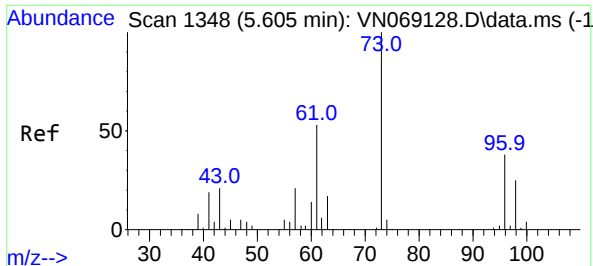
Reviewed By :John Carlone 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021



#18
 Methylene Chloride
 Concen: 5.282 ug/l
 RT: 5.100 min Scan# 1160
 Delta R.T. 0.000 min
 Lab File: VN069136.D
 Acq: 22 Oct 2021 15:31

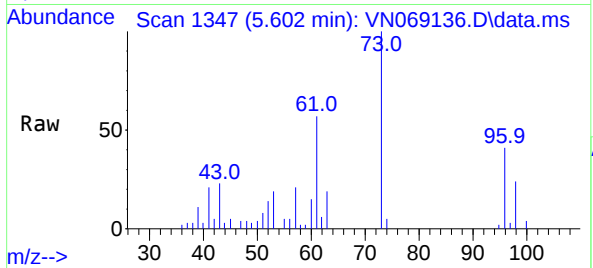
Tgt Ion: 84 Resp: 22757
 Ion Ratio Lower Upper
 84 100
 49 114.7 91.4 137.0
 51 35.4 29.4 44.0
 86 65.1 51.1 76.7





#19
trans-1,2-Dichloroethene
Concen: 4.338 ug/l
RT: 5.602 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

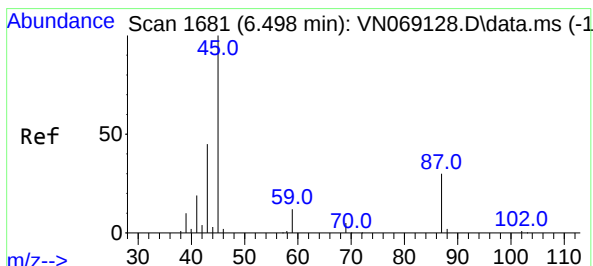
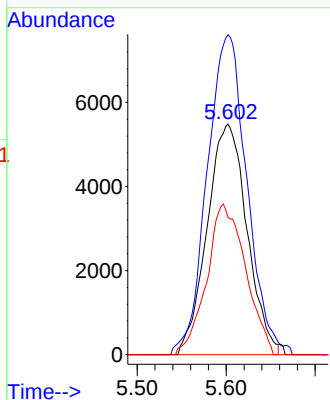
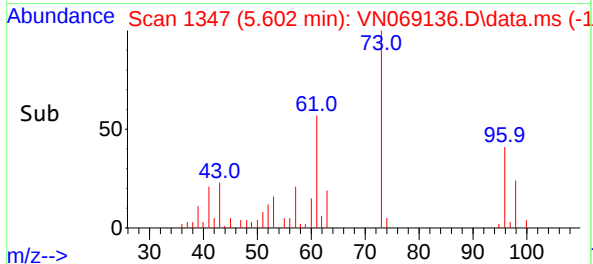
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



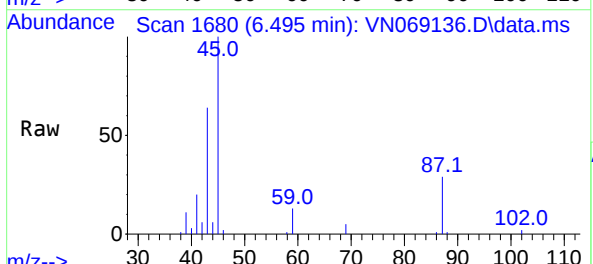
Tgt Ion: 96 Resp: 17079
Ion Ratio Lower Upper
96 100
61 133.9 102.8 154.2
98 59.5 49.3 73.9

Manual Integrations
APPROVED

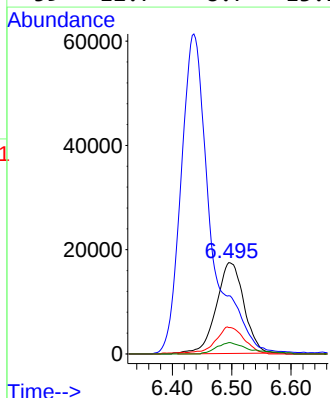
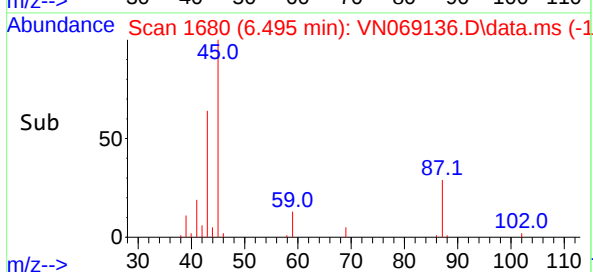
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

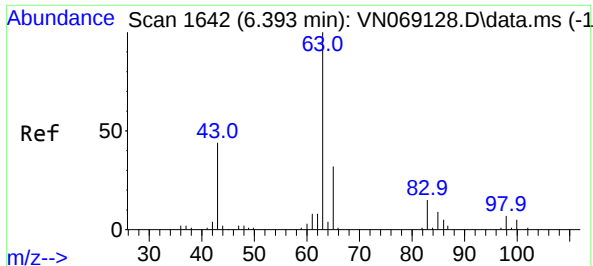


#20
Diisopropyl ether
Concen: 4.228 ug/l
RT: 6.495 min Scan# 1680
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



Tgt Ion: 45 Resp: 56389
Ion Ratio Lower Upper
45 100
43 61.7 51.0 76.4
87 29.3 25.0 37.4
59 12.7 8.7 13.1





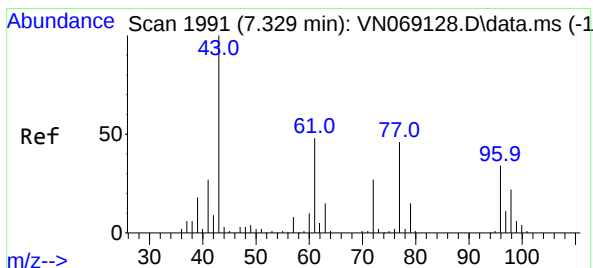
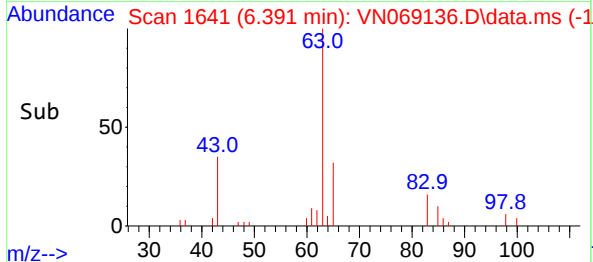
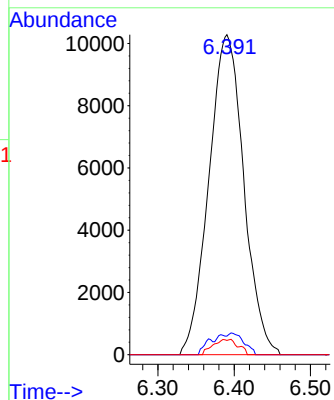
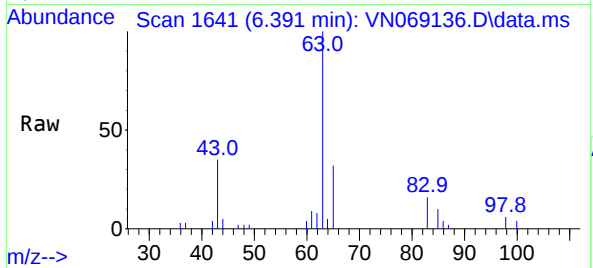
#21
1,1-Dichloroethane
Concen: 4.391 ug/l
RT: 6.391 min Scan# 1642
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion: 63 Resp: 32690
Ion Ratio Lower Upper
63 100
98 5.8 3.2 9.6
100 4.4 2.1 6.2

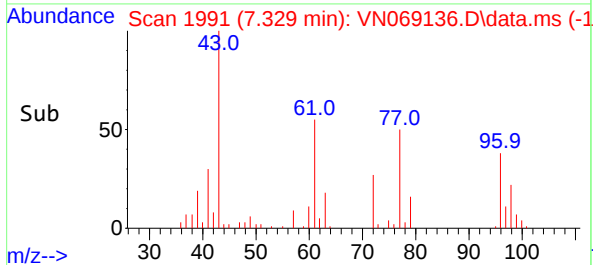
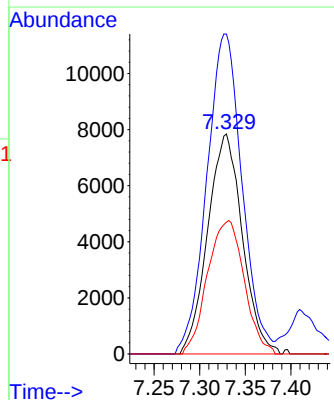
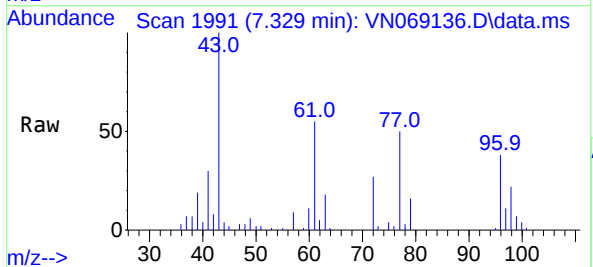
Manual Integrations
APPROVED

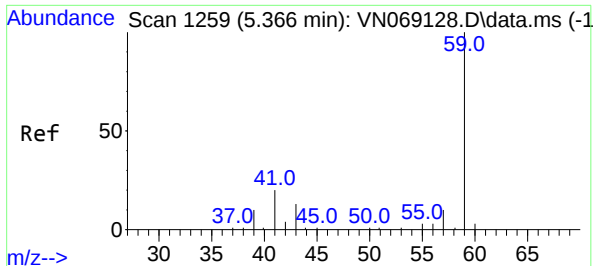
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#22
cis-1,2-Dichloroethene
Concen: 4.400 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion: 96 Resp: 20765
Ion Ratio Lower Upper
96 100
61 147.5 115.7 173.5
98 64.0 51.6 77.4





#23

tert-Butyl Alcohol

Concen: 22.898 ug/l

RT: 5.369 min Scan# 1259

Delta R.T. 0.003 min

Lab File: VN069136.D

Acq: 22 Oct 2021 15:31

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2021

Tgt Ion: 59 Resp: 18409

Ion Ratio Lower Upper

59 100

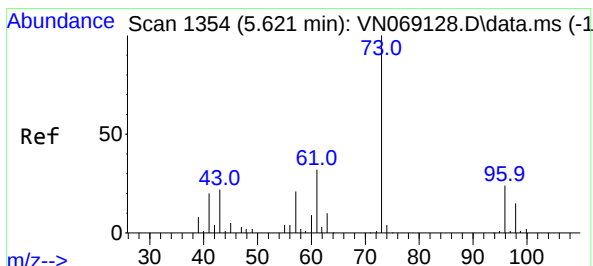
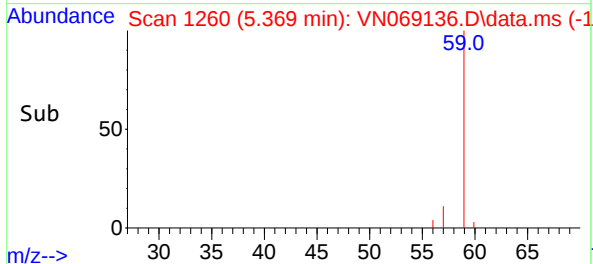
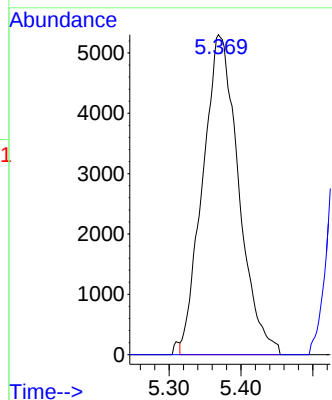
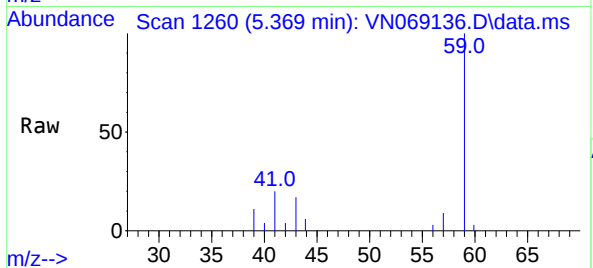
52 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#24

Methyl tert-Butyl Ether

Concen: 4.389 ug/l

RT: 5.613 min Scan# 1351

Delta R.T. -0.008 min

Lab File: VN069136.D

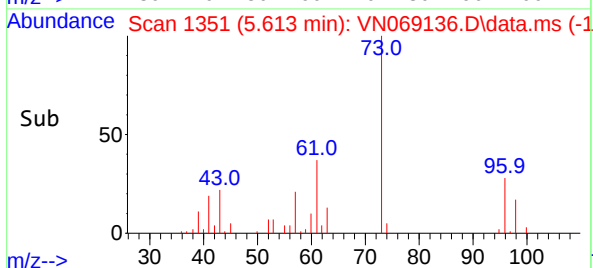
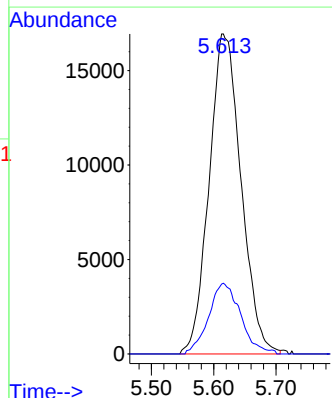
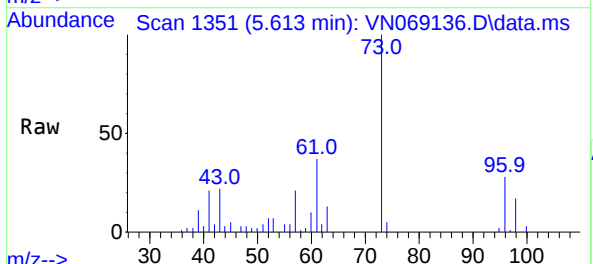
Acq: 22 Oct 2021 15:31

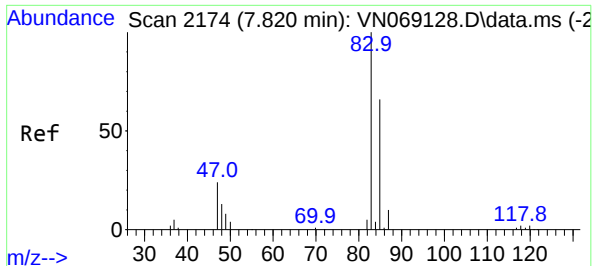
Tgt Ion: 73 Resp: 60359

Ion Ratio Lower Upper

73 100

43 22.0 18.1 27.1





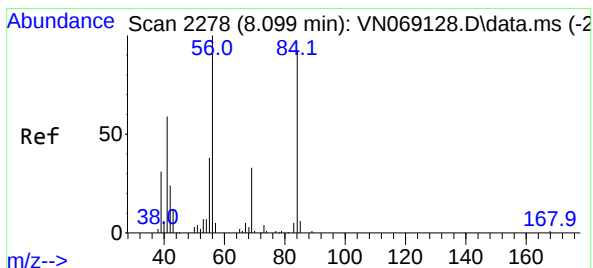
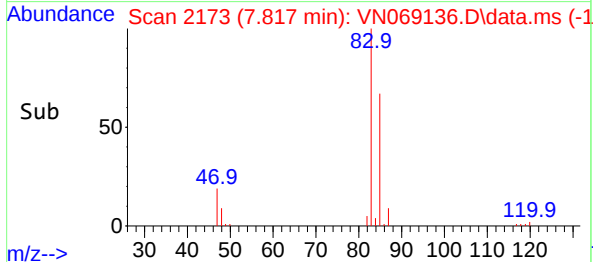
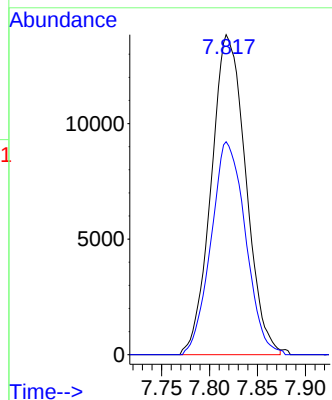
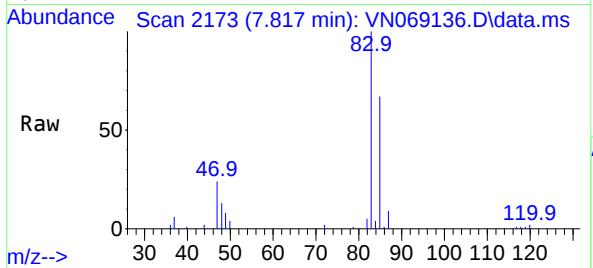
#25
Chloroform
Concen: 4.361 ug/l
RT: 7.817 min Scan# 2173
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2021

Tgt Ion: 83 Resp: 34690
Ion Ratio Lower Upper
83 100
85 66.6 51.3 76.9

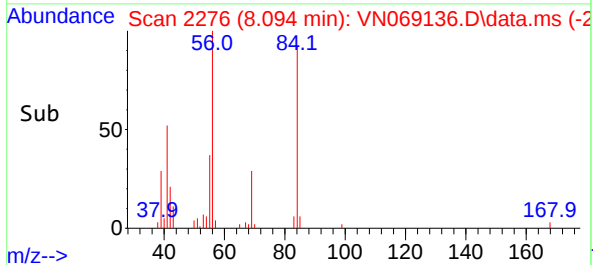
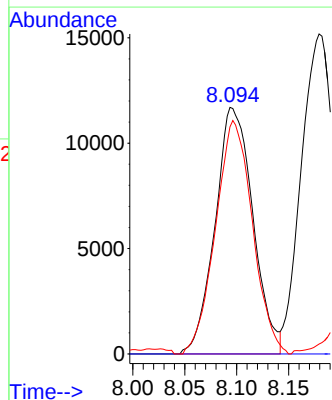
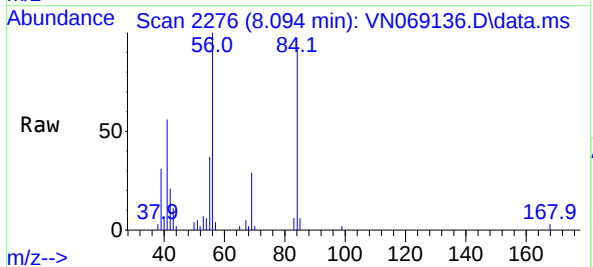
Manual Integrations
APPROVED

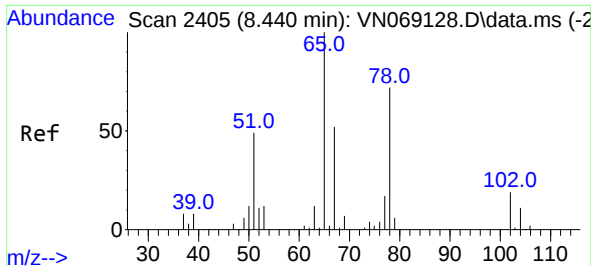
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#26
Cyclohexane
Concen: 4.328 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.005 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

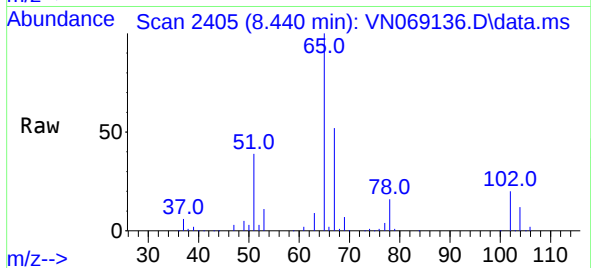
Tgt Ion: 56 Resp: 29676
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 92.4 74.6 111.8





#27
1,2-Dichloroethane-d4
Concen: 30.613 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

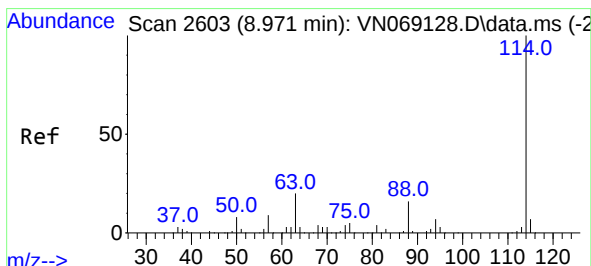
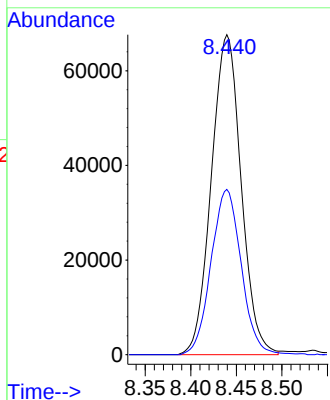
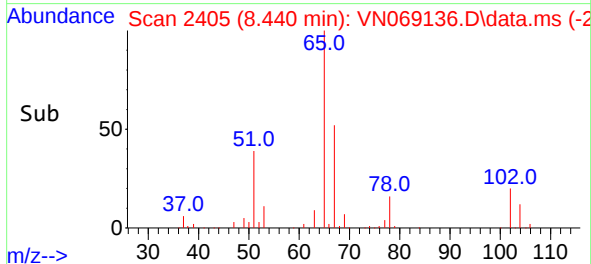
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



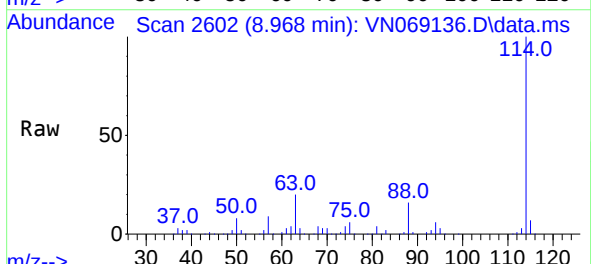
Tgt Ion: 65 Resp: 153725
Ion Ratio Lower Upper
65 100
67 52.3 40.2 60.2

Manual Integrations
APPROVED

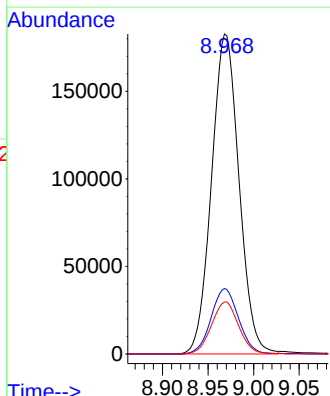
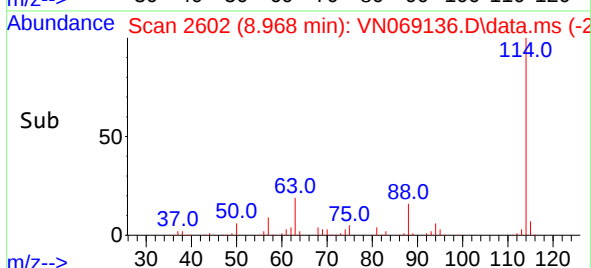
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

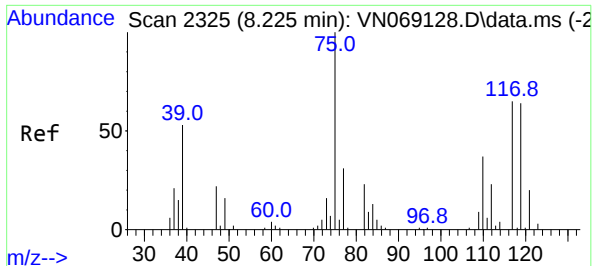


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



Tgt Ion:114 Resp: 382354
Ion Ratio Lower Upper
114 100
63 20.5 15.8 23.6
88 16.1 11.6 17.4





#29

1,1-Dichloropropene

Concen: 4.204 ug/l

RT: 8.225 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN069136.D

Acq: 22 Oct 2021 15:31

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2021

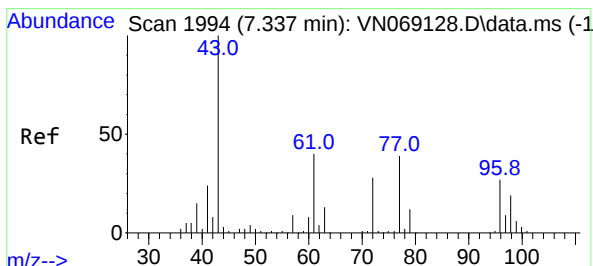
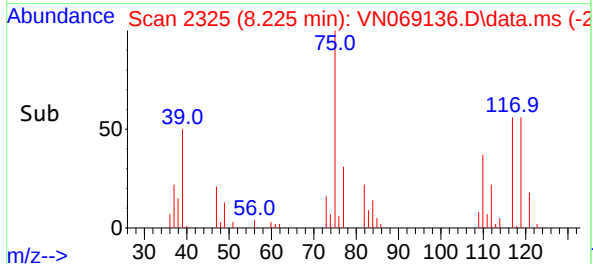
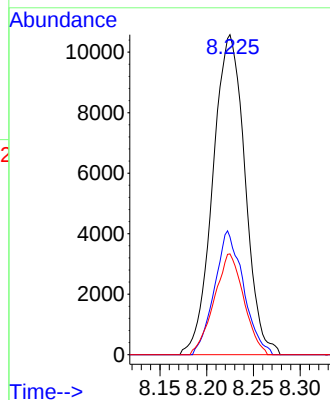
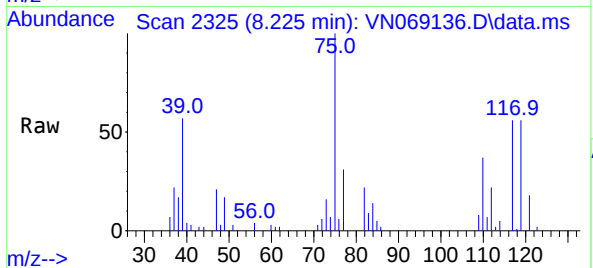
Tgt Ion: 75	Resp: 2529
Ion Ratio	Lower Upper
75 100	
110 35.0	0.0 74.2
77 29.0	0.0 63.2

Manual Integrations

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Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#30

2-Butanone

Concen: 21.338 ug/l

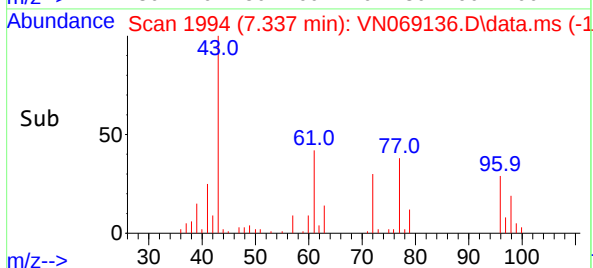
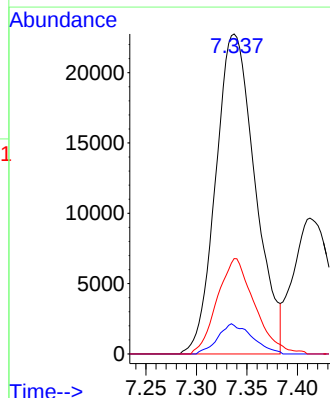
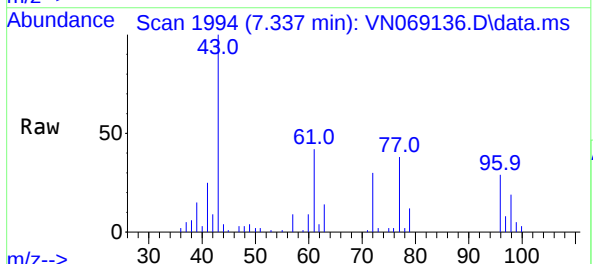
RT: 7.337 min Scan# 1994

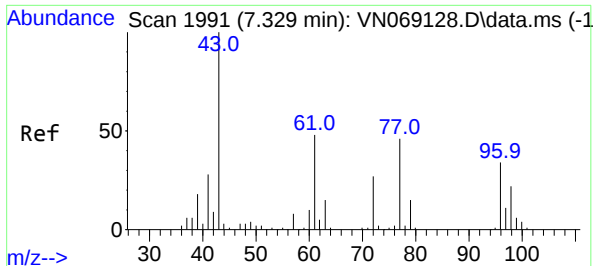
Delta R.T. 0.000 min

Lab File: VN069136.D

Acq: 22 Oct 2021 15:31

Tgt Ion: 43	Resp: 61652
Ion Ratio	Lower Upper
43 100	
57 8.2	6.7 10.1
72 28.2	23.2 34.8





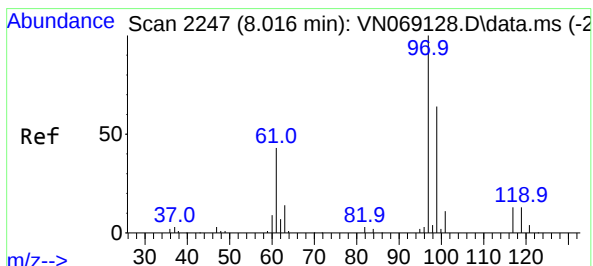
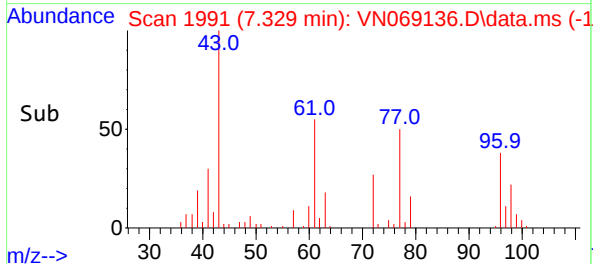
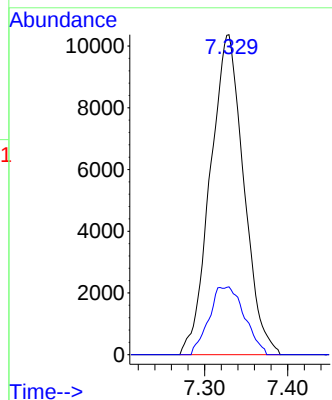
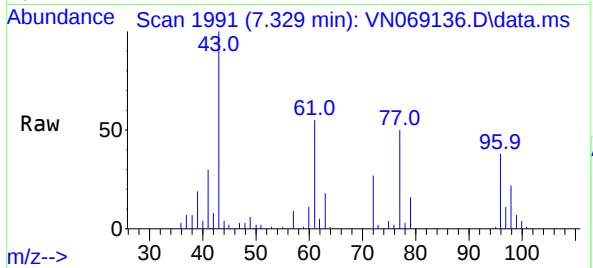
#31
2,2-Dichloropropane
Concen: 4.032 ug/l
RT: 7.329 min Scan# 1991
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion: 77 Resp: 2906
Ion Ratio Lower Upper
77 100
97 9.1 18.3 27.5

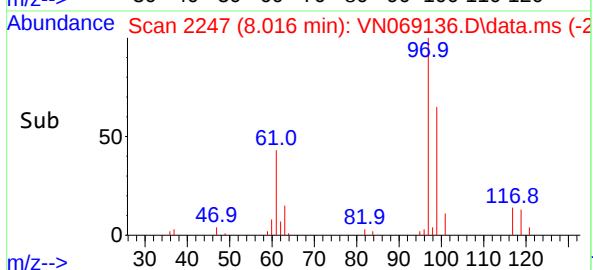
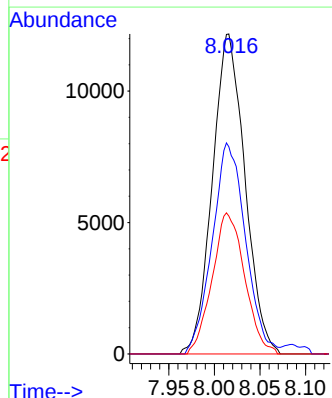
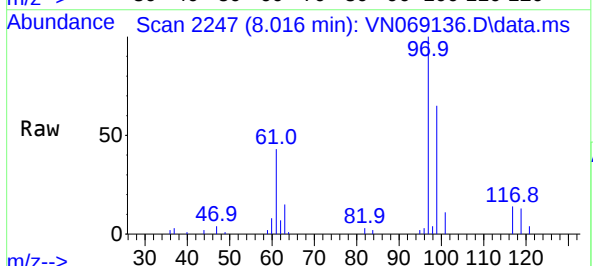
Manual Integrations
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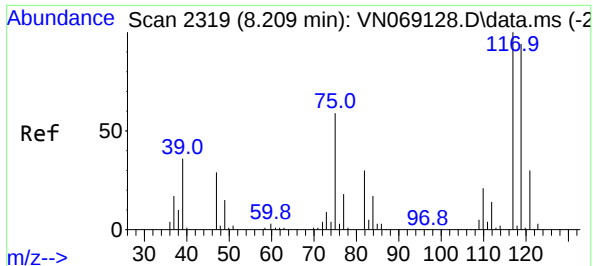
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#32
1,1,1-Trichloroethane
Concen: 4.035 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion: 97 Resp: 30213
Ion Ratio Lower Upper
97 100
99 67.7 50.4 75.6
61 44.1 34.6 51.8





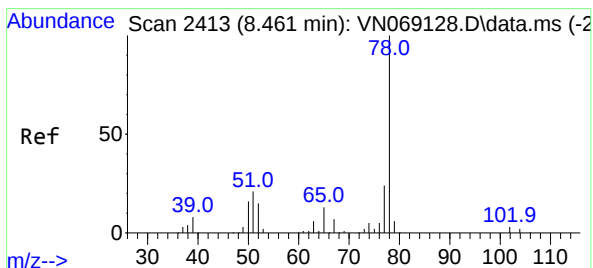
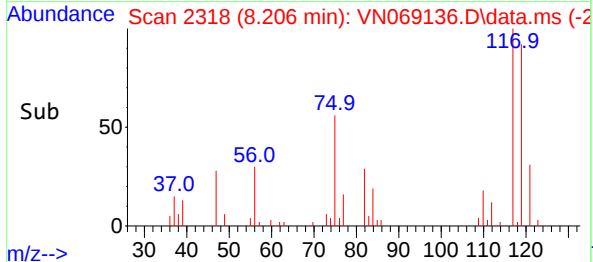
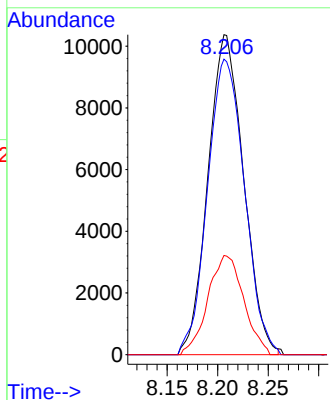
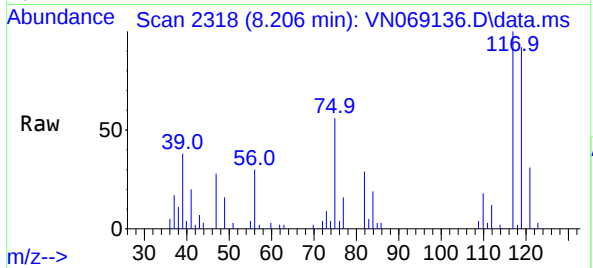
#33
Carbon Tetrachloride
Concen: 3.995 ug/l
RT: 8.206 min Scan# 2117
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion:117 Resp: 25408
Ion Ratio Lower Upper
117 100
119 92.4 77.5 116.3
121 31.0 23.5 35.3

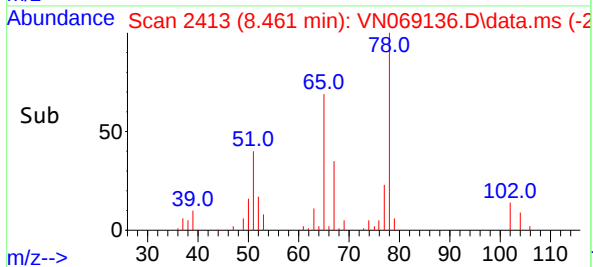
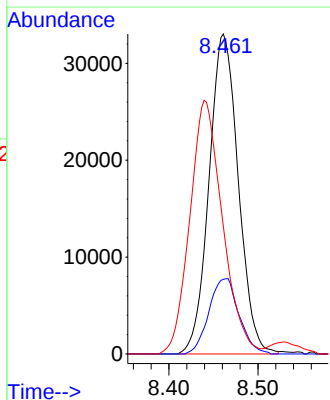
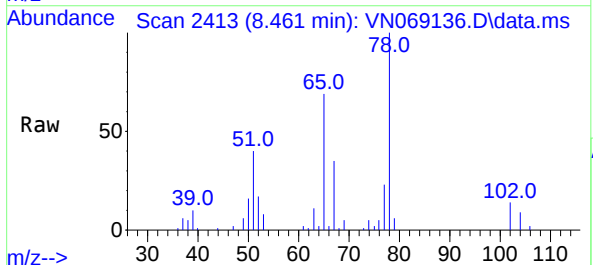
Manual Integrations
APPROVED

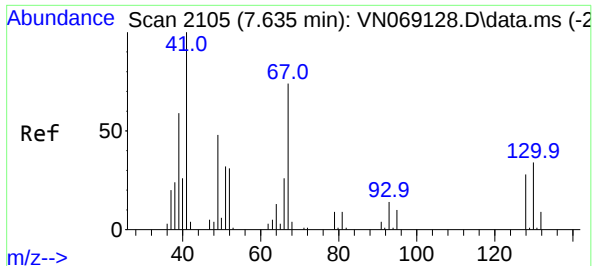
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#34
Benzene
Concen: 4.196 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion: 78 Resp: 75388
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7
51 36.5 16.0 24.0#





#35

Methacrylonitrile

Concen: 4.475 ug/l

RT: 7.638 min Scan# 2105

Delta R.T. 0.003 min

Lab File: VN069136.D

Acq: 22 Oct 2021 15:31

Instrument :

MSVOA_N

ClientSampleId :

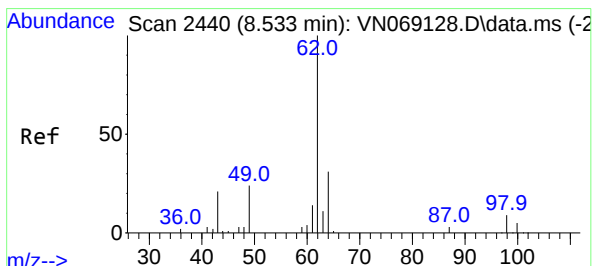
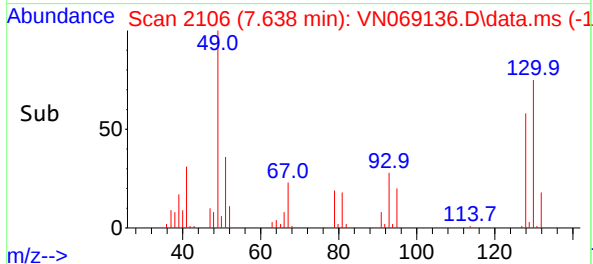
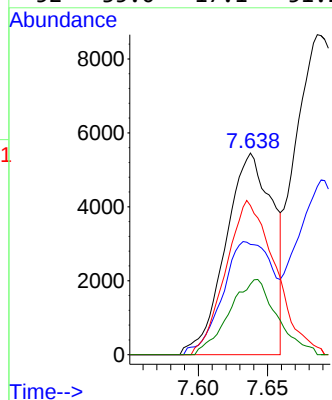
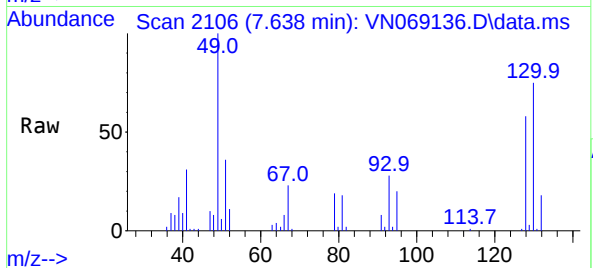
LOQ-WATER-02-QT4-2021

Tgt Ion: 41 Resp: 1288

Ion	Ratio	Lower	Upper
41	100		
39	54.7	28.0	83.9
67	74.0	37.7	113.1
52	35.0	17.1	51.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#36

1,2-Dichloroethane

Concen: 4.307 ug/l

RT: 8.531 min Scan# 2439

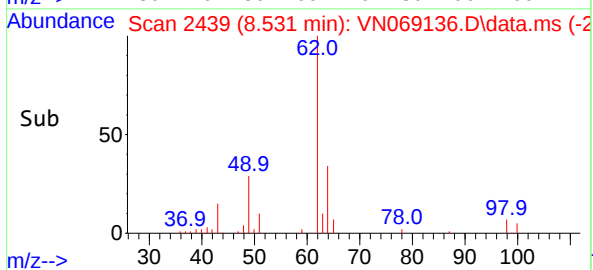
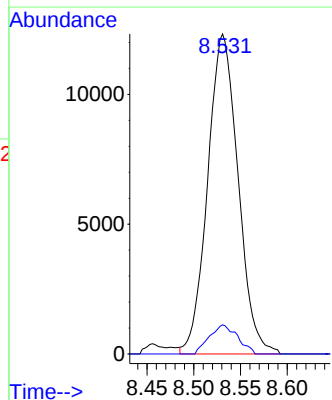
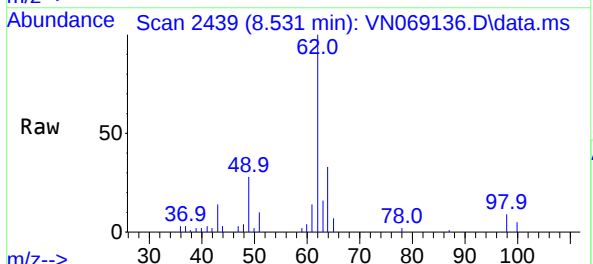
Delta R.T. -0.003 min

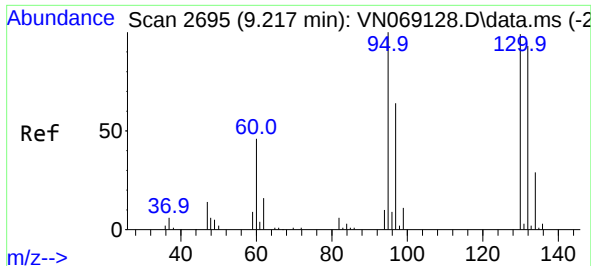
Lab File: VN069136.D

Acq: 22 Oct 2021 15:31

Tgt Ion: 62 Resp: 27932

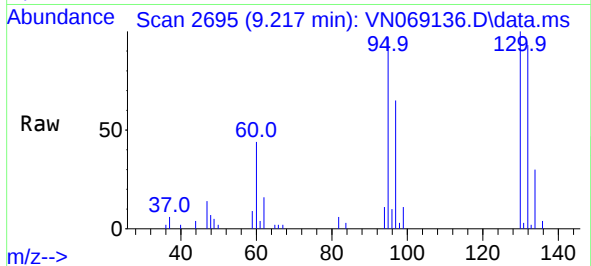
Ion	Ratio	Lower	Upper
62	100		
98	6.4	6.6	10.0#





#37
Trichloroethene
Concen: 4.240 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

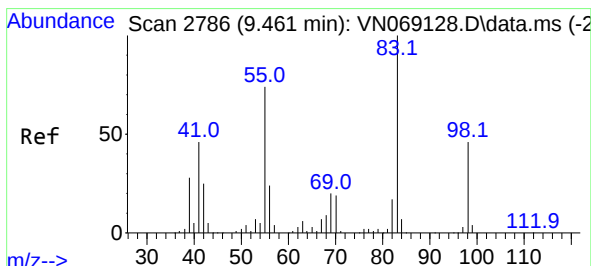
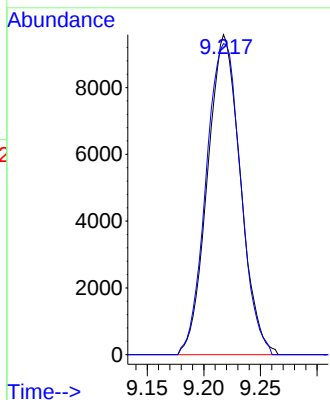
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



Tgt Ion:130 Resp: 19374
Ion Ratio Lower Upper
130 100
95 97.2 76.6 115.0

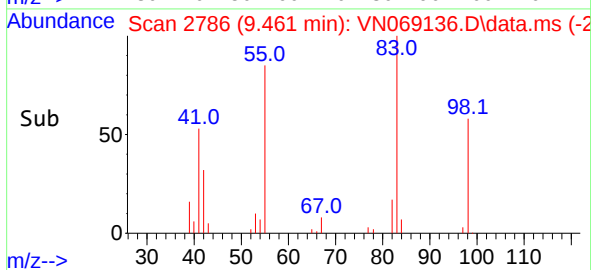
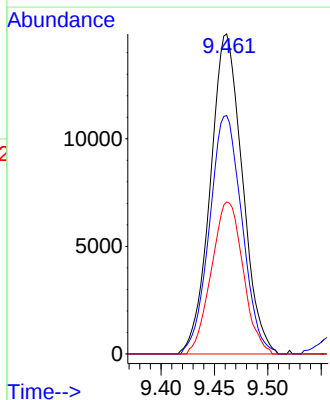
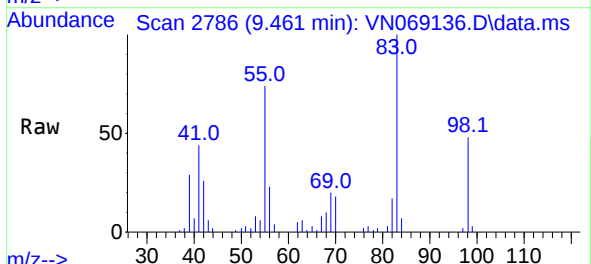
Manual Integrations
APPROVED

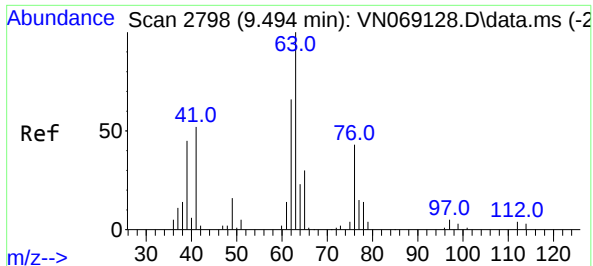
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#38
Methylcyclohexane
Concen: 4.052 ug/l
RT: 9.461 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion: 83 Resp: 31041
Ion Ratio Lower Upper
83 100
55 75.6 35.1 105.3
98 47.0 23.4 70.2





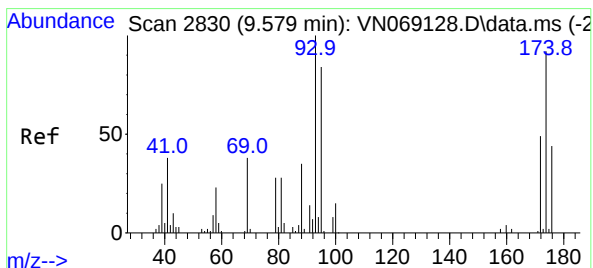
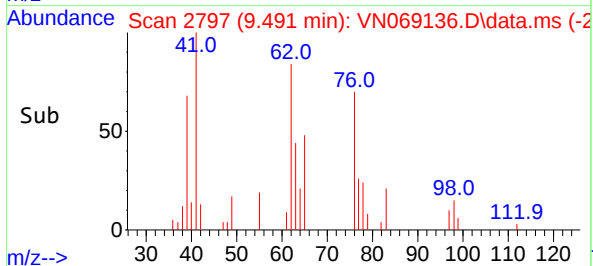
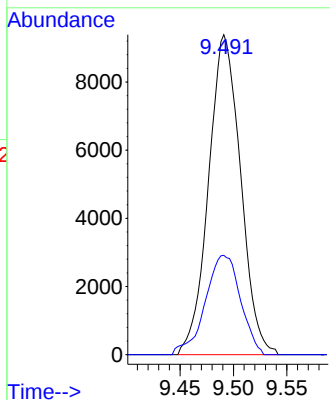
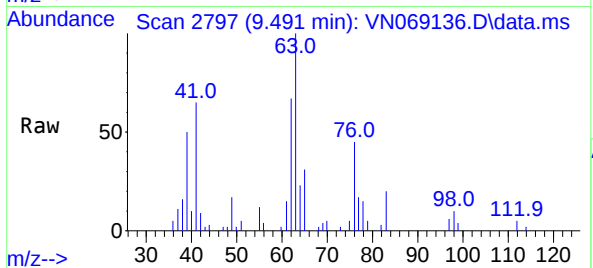
#39
1,2-Dichloropropane
Concen: 4.277 ug/l
RT: 9.491 min Scan# 2798
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion: 63 Resp: 19598
Ion Ratio Lower Upper
63 100
65 31.0 24.2 36.4

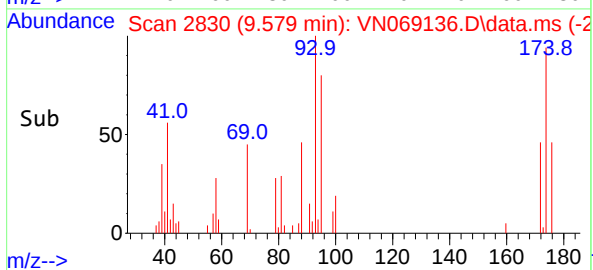
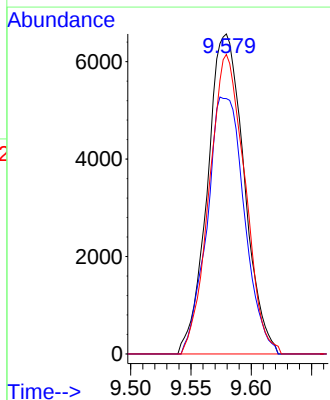
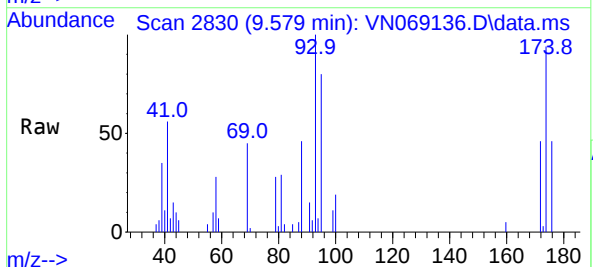
Manual Integrations
APPROVED

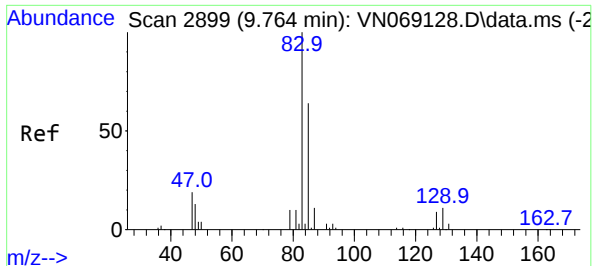
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#40
Dibromomethane
Concen: 4.331 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

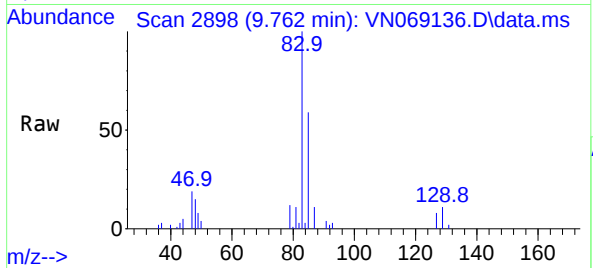
Tgt Ion: 93 Resp: 13873
Ion Ratio Lower Upper
93 100
95 81.5 0.0 168.8
174 90.9 0.0 173.6





#41
Bromodichloromethane
Concen: 4.016 ug/l
RT: 9.762 min Scan# 2899
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

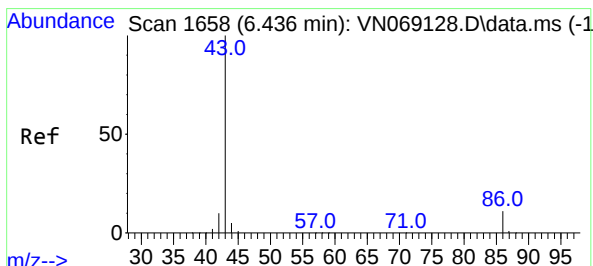
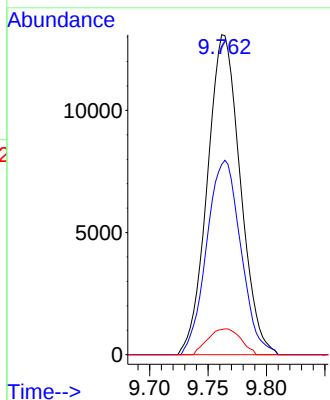
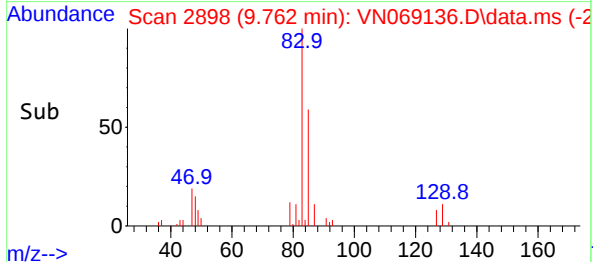
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



Tgt Ion: 83 Resp: 25708
Ion Ratio Lower Upper
83 100
85 59.5 54.1 81.1
127 7.8 7.6 11.4

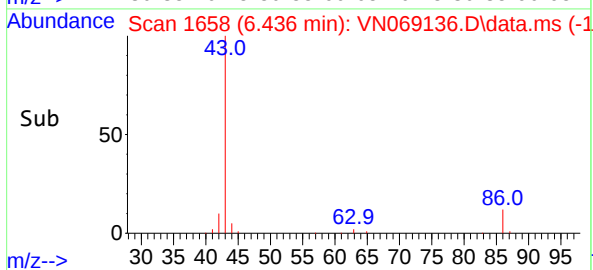
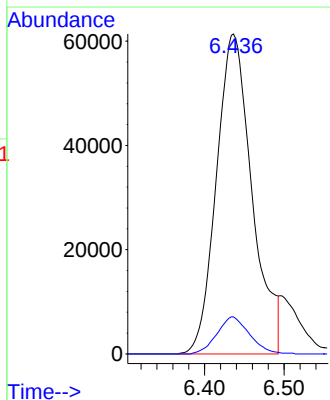
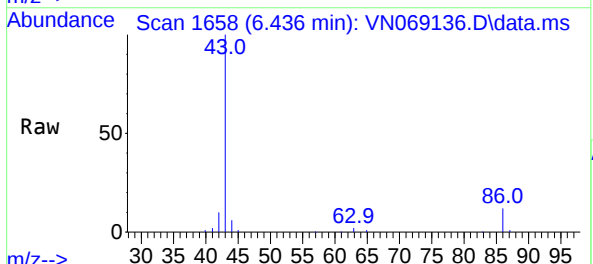
Manual Integrations
APPROVED

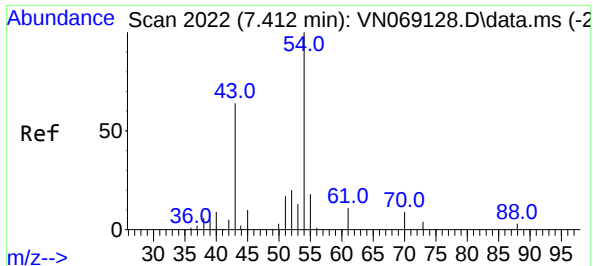
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#42
Vinyl Acetate
Concen: 18.549 ug/l
RT: 6.436 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion: 43 Resp: 191233
Ion Ratio Lower Upper
43 100
86 10.6 7.5 11.3





#43

Ethyl Acetate

Concen: 4.016 ug/l

RT: 7.412 min Scan# 2022

Delta R.T. 0.000 min

Lab File: VN069136.D

Acq: 22 Oct 2021 15:31

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT4-2021

Tgt Ion: 43 Resp: 2263

Ion Ratio Lower Upper

43 100

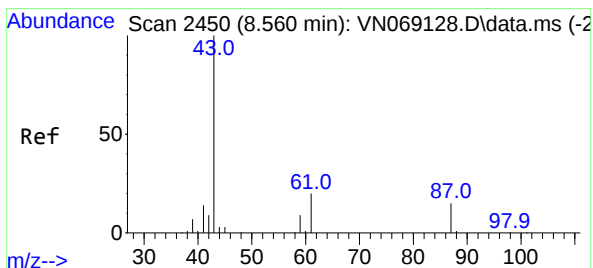
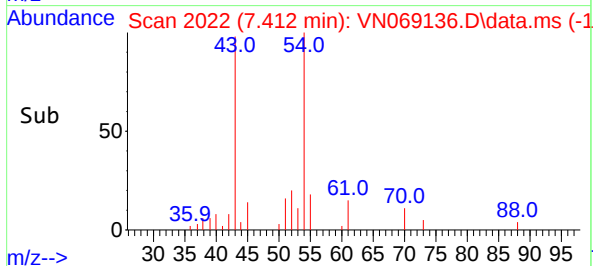
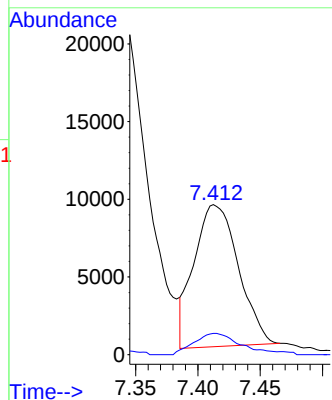
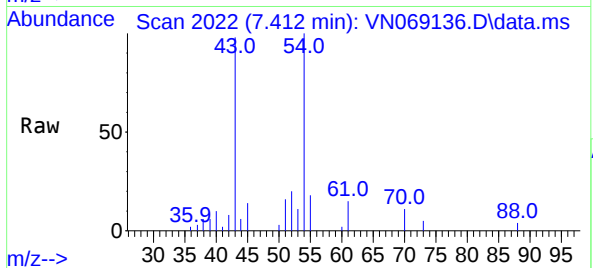
45 14.5 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#44

Isopropyl Acetate

Concen: 4.313 ug/l

RT: 8.560 min Scan# 2450

Delta R.T. 0.000 min

Lab File: VN069136.D

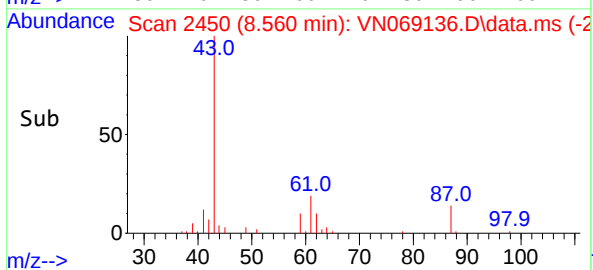
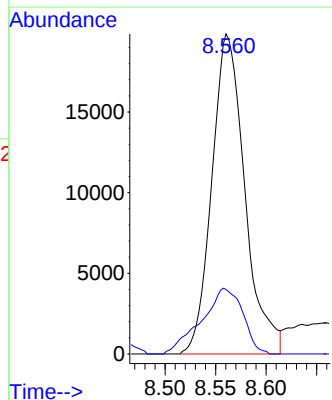
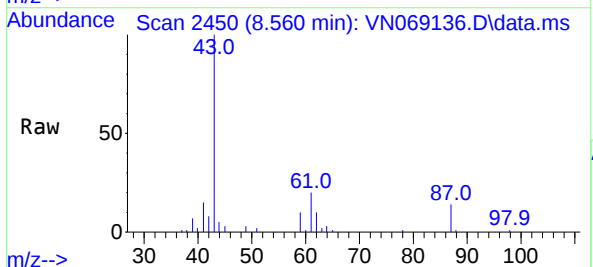
Acq: 22 Oct 2021 15:31

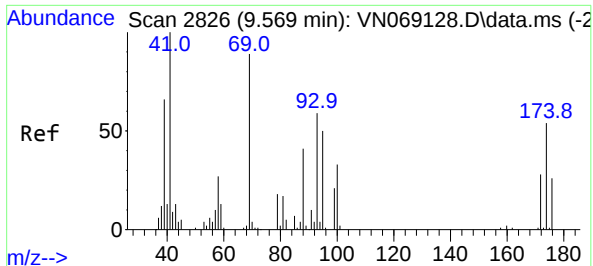
Tgt Ion: 43 Resp: 45014

Ion Ratio Lower Upper

43 100

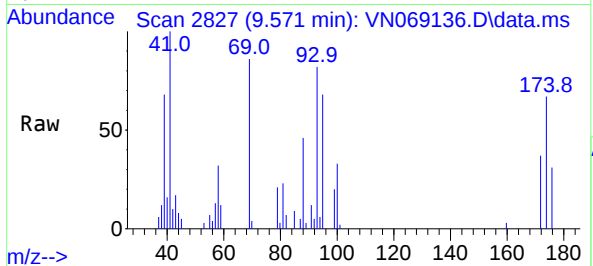
61 25.8 20.1 30.1





#45
1,4-Dioxane
Concen: 87.450 ug/l
RT: 9.571 min Scan# 2827
Delta R.T. 0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

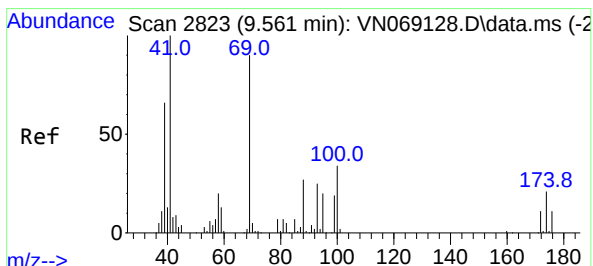
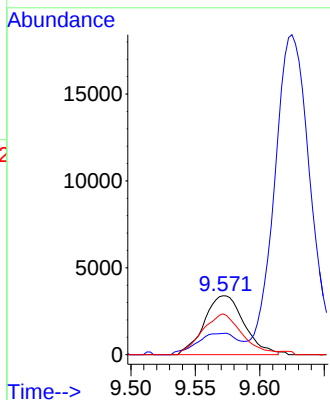
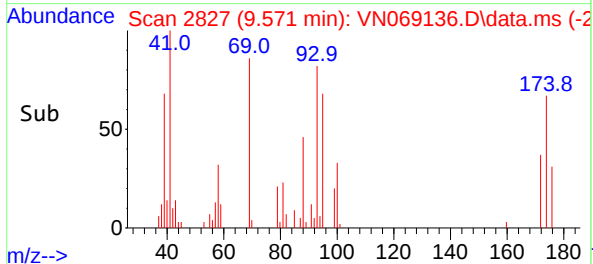
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



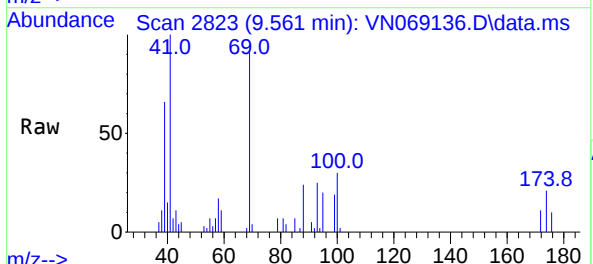
Tgt Ion: 88 Resp: 7304
Ion Ratio Lower Upper
88 100
43 37.3 25.0 37.6
58 68.9 49.4 74.2

Manual Integrations
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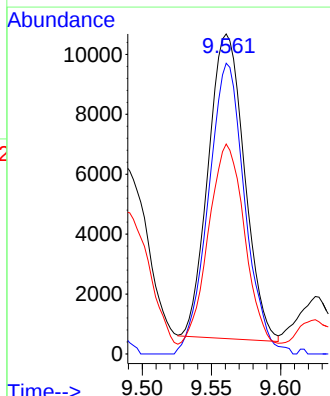
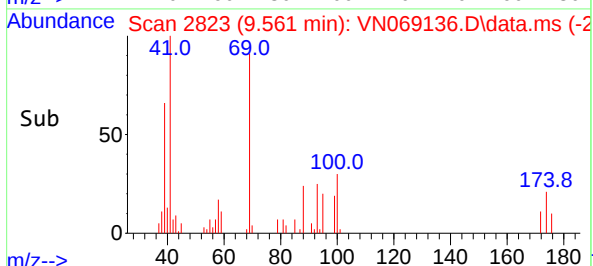
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

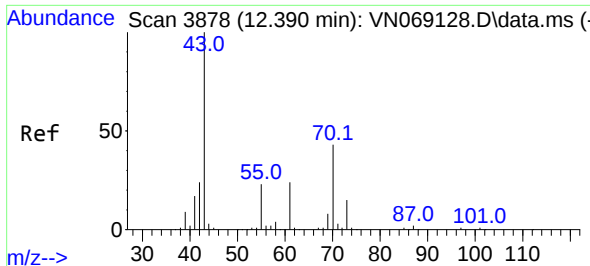


#46
Methyl methacrylate
Concen: 3.923 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



Tgt Ion: 41 Resp: 18508
Ion Ratio Lower Upper
41 100
69 94.6 44.4 133.2
39 66.3 39.9 119.6





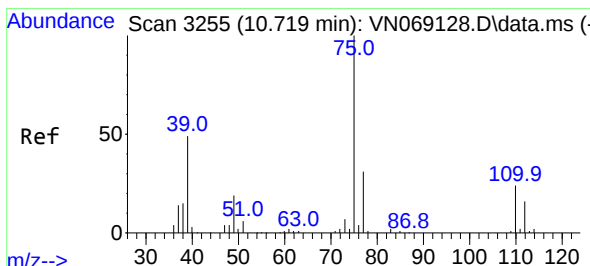
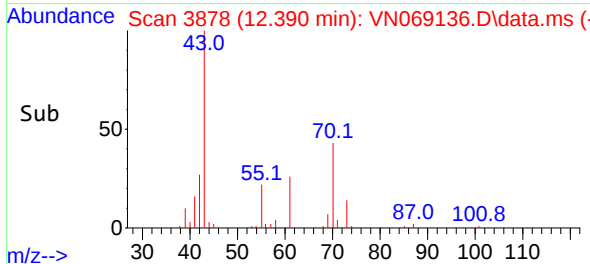
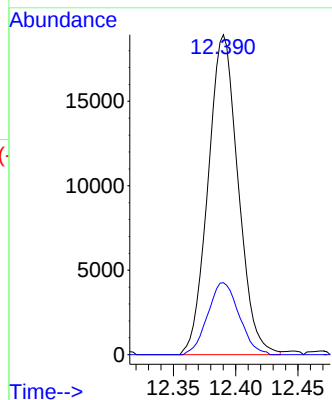
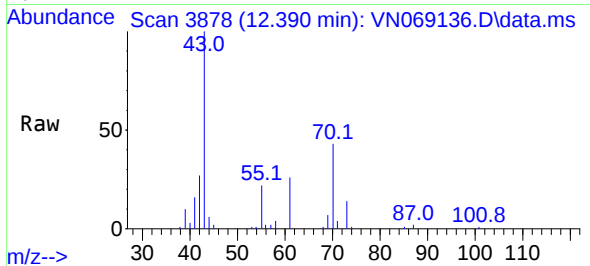
#47
n-amyl acetate
Concen: 3.591 ug/l
RT: 12.390 min Scan# 3181
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2021

Tgt Ion: 43 Resp: 3181
Ion Ratio Lower Upper
43 100
55 23.5 19.0 28.6

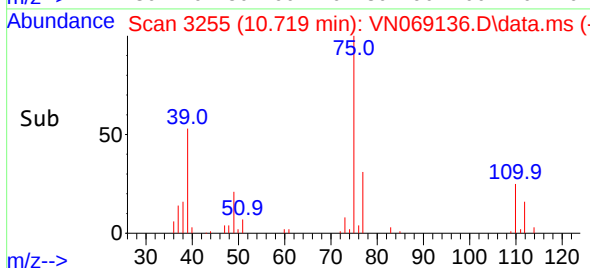
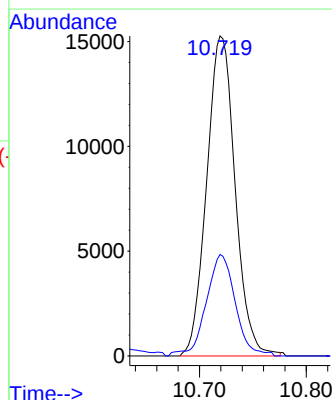
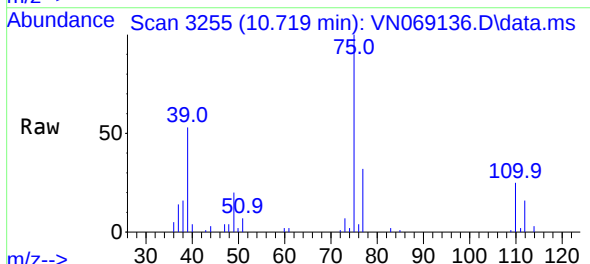
Manual Integrations
APPROVED

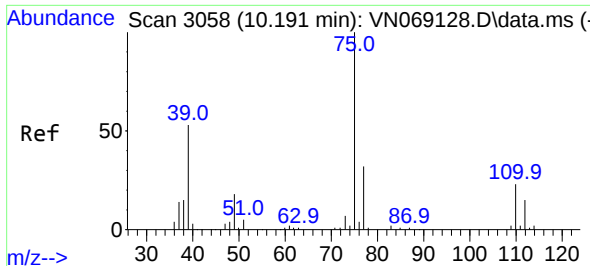
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#48
t-1,3-Dichloropropene
Concen: 3.820 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

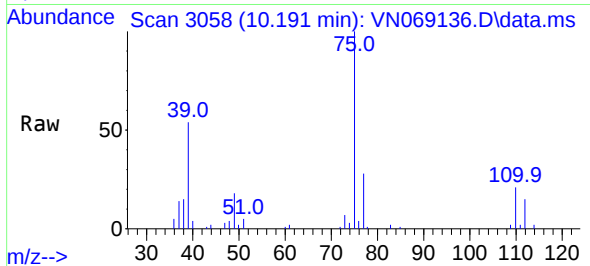
Tgt Ion: 75 Resp: 28283
Ion Ratio Lower Upper
75 100
77 31.7 25.3 37.9





#49
cis-1,3-Dichloropropene
Concen: 3.915 ug/l
RT: 10.191 min Scan# 3058
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

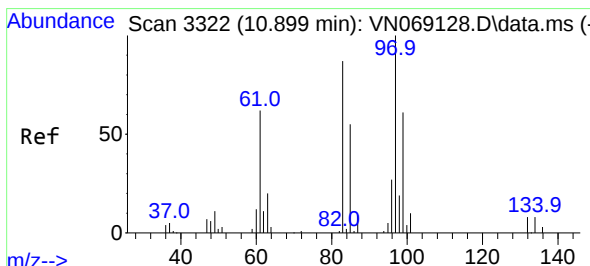
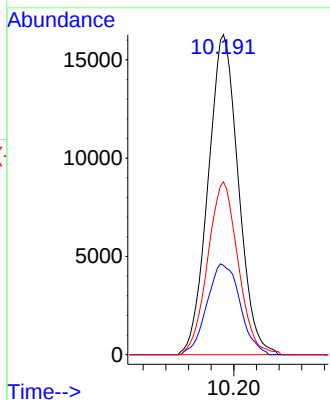
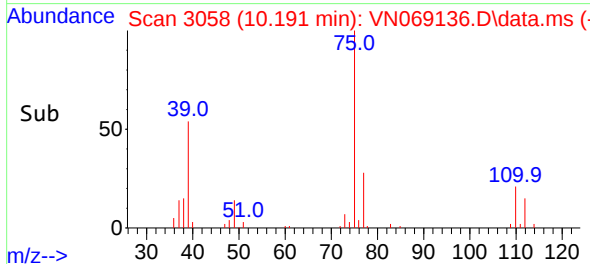
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



Tgt Ion: 75 Resp: 30180
Ion Ratio Lower Upper
75 100
77 27.9 25.3 37.9
39 54.0 46.2 69.4

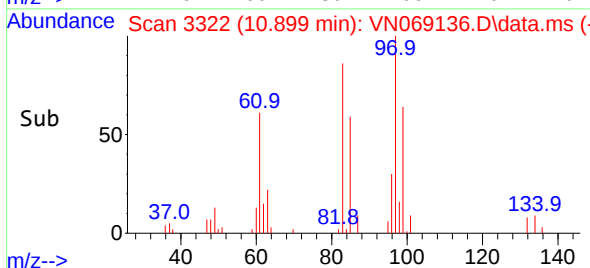
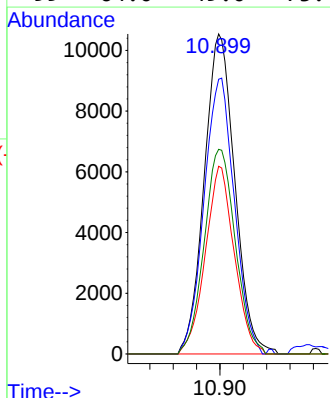
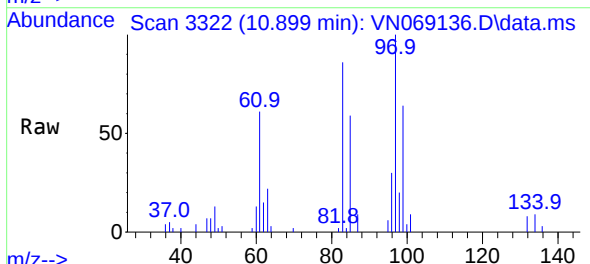
Manual Integrations
APPROVED

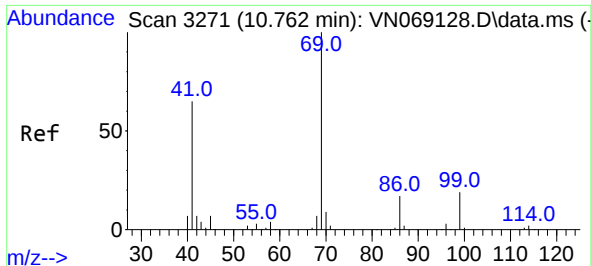
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#50
1,1,2-Trichloroethane
Concen: 4.164 ug/l
RT: 10.899 min Scan# 3322
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

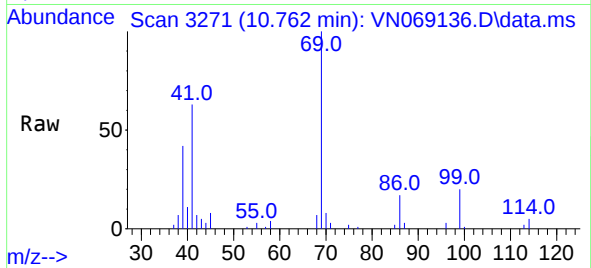
Tgt Ion: 97 Resp: 19145
Ion Ratio Lower Upper
97 100
83 85.9 67.2 100.8
85 58.7 43.0 64.4
99 64.0 49.0 73.4





#51
Ethyl methacrylate
Concen: 4.077 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

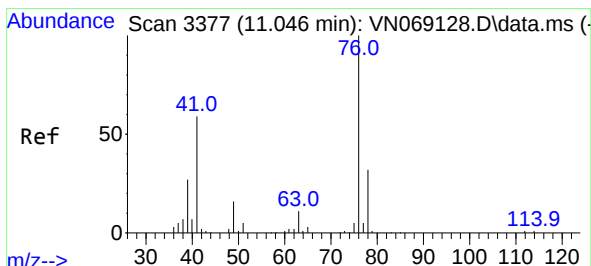
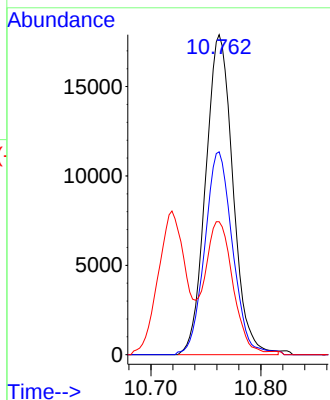
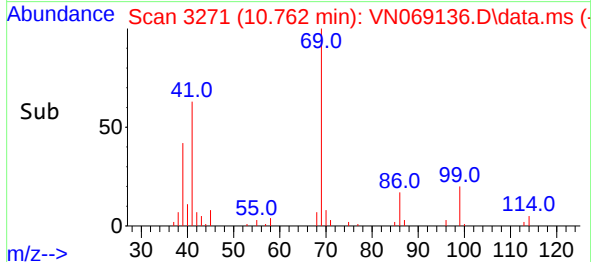
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



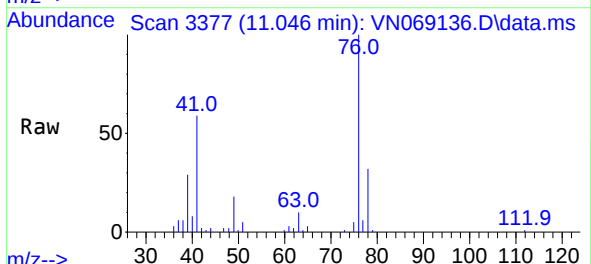
Tgt Ion: 69 Resp: 30894
Ion Ratio Lower Upper
69 100
41 62.5 33.0 98.9
39 40.5 25.4 76.4

Manual Integrations
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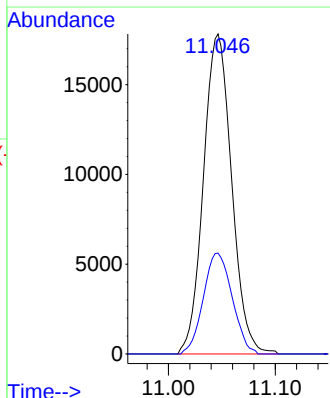
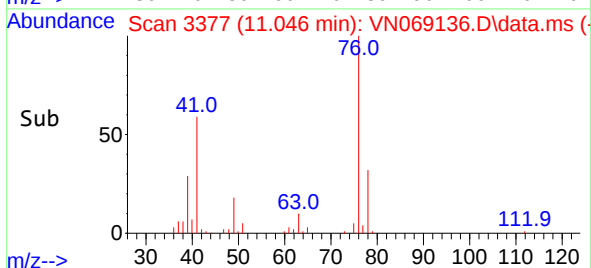
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

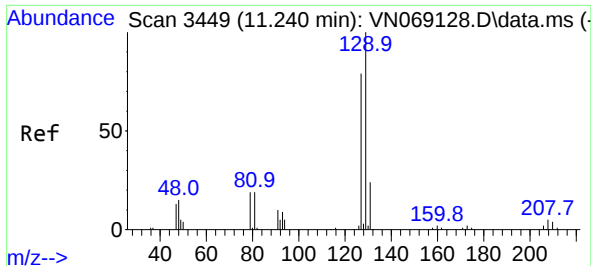


#52
1,3-Dichloropropane
Concen: 4.227 ug/l
RT: 11.046 min Scan# 3377
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



Tgt Ion: 76 Resp: 32693
Ion Ratio Lower Upper
76 100
78 32.3 0.0 65.4





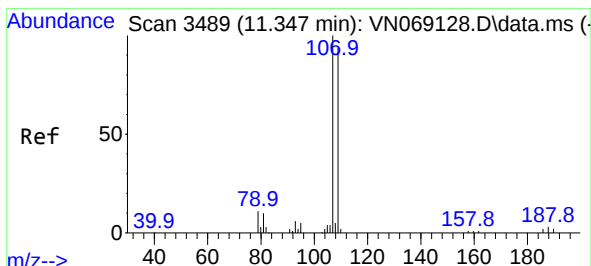
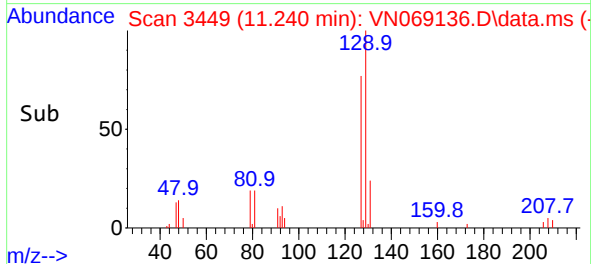
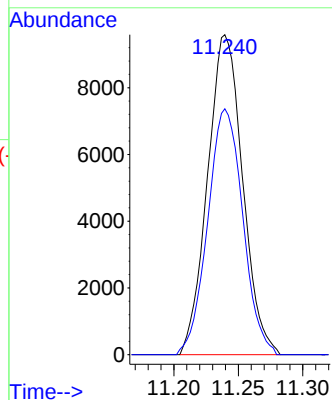
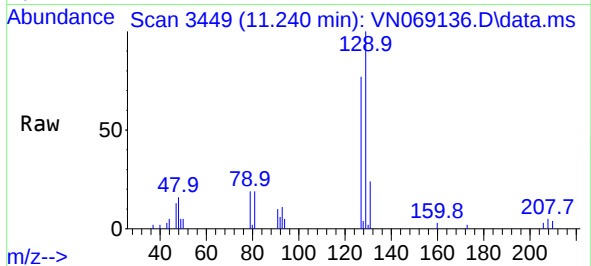
#53
Dibromochloromethane
Concen: 3.700 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion:129 Resp: 18159
Ion Ratio Lower Upper
129 100
127 76.8 39.0 117.0

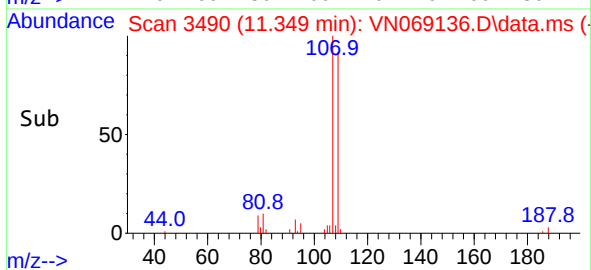
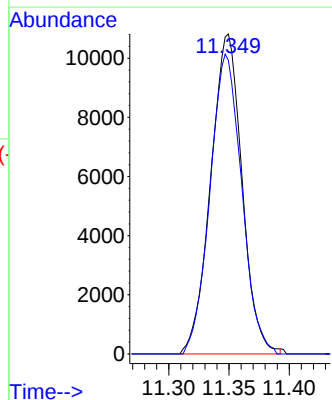
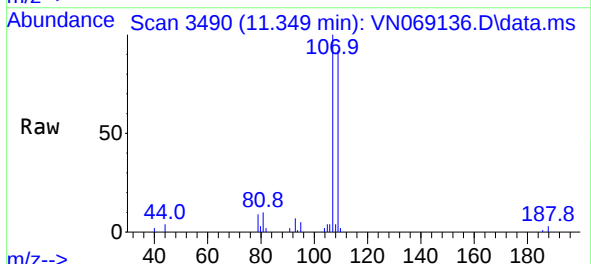
Manual Integrations
APPROVED

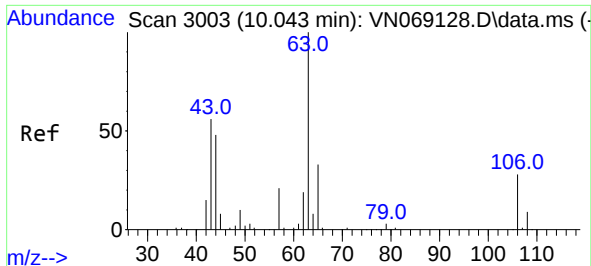
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#54
1,2-Dibromoethane
Concen: 4.062 ug/l
RT: 11.349 min Scan# 3490
Delta R.T. 0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion:107 Resp: 19523
Ion Ratio Lower Upper
107 100
109 94.7 72.8 109.2





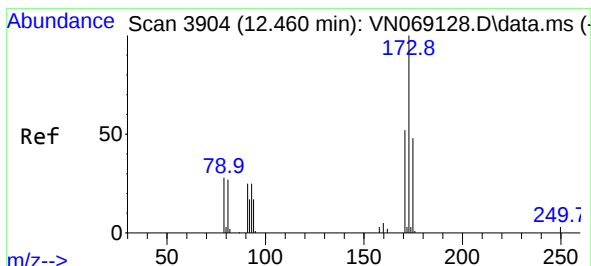
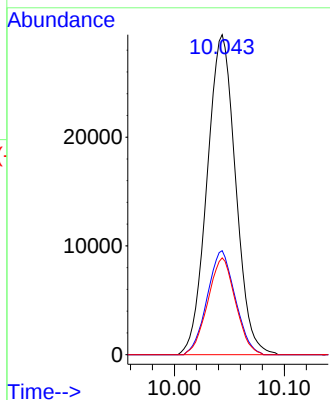
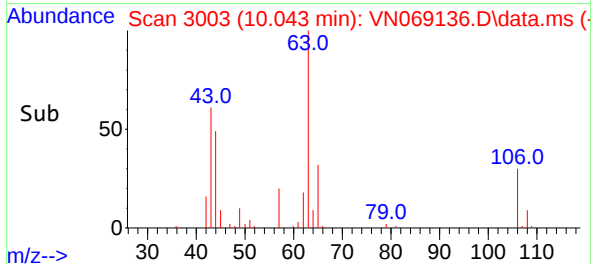
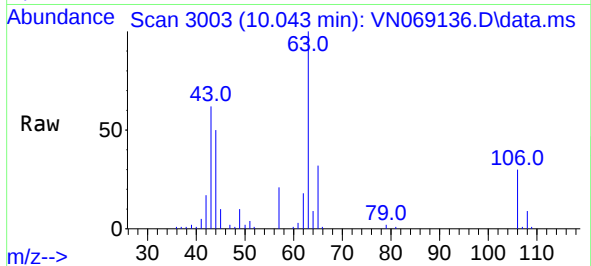
#55
2-Chloroethyl vinyl ether
Concen: 22.030 ug/l
RT: 10.043 min Scan# 3003
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion: 63 Resp: 53000
Ion Ratio Lower Upper
63 100
65 31.8 25.4 38.0
106 29.3 23.2 34.8

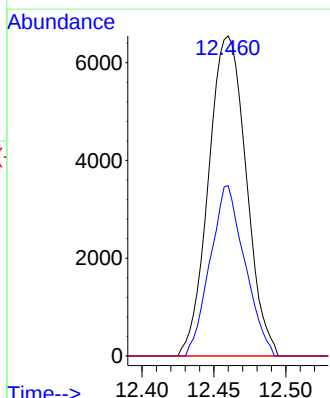
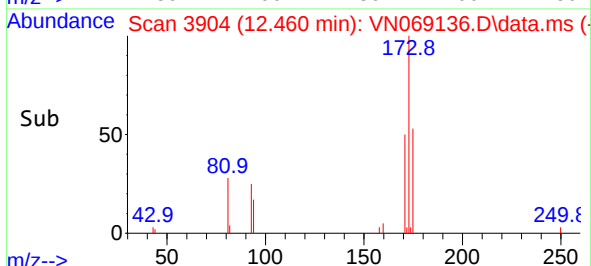
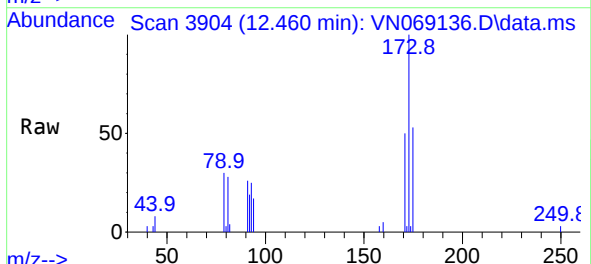
Manual Integrations
APPROVED

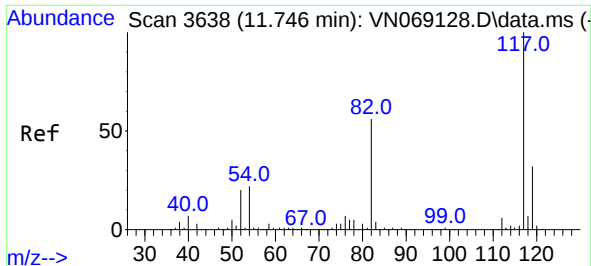
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#56
Bromoform
Concen: 3.369 ug/l
RT: 12.460 min Scan# 3904
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

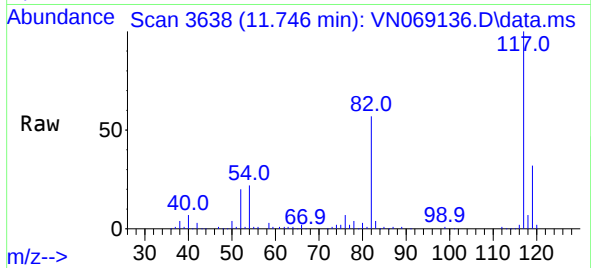
Tgt Ion:173 Resp: 11919
Ion Ratio Lower Upper
173 100
175 49.1 38.6 58.0
254 0.0 0.0 0.0





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

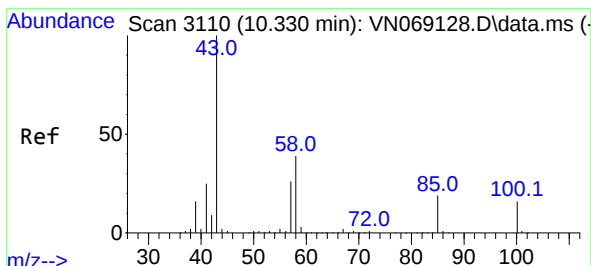
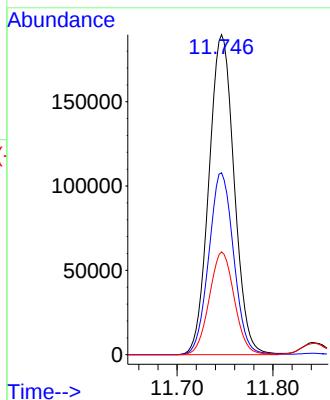
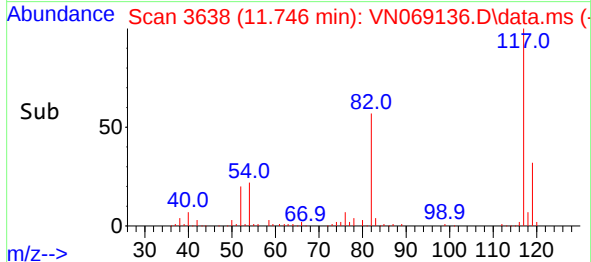
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



Tgt Ion: 117 Resp: 347049
Ion Ratio Lower Upper
117 100
82 56.2 43.6 65.4
119 31.8 25.8 38.6

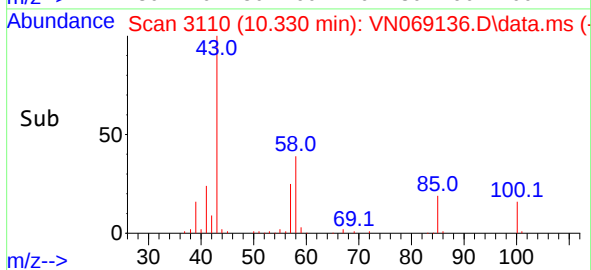
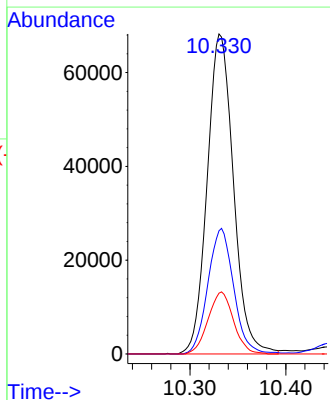
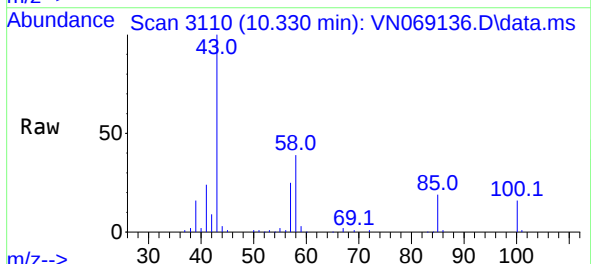
Manual Integrations
APPROVED

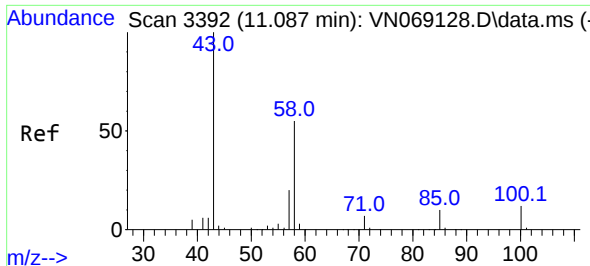
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#58
4-Methyl-2-Pentanone
Concen: 22.174 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

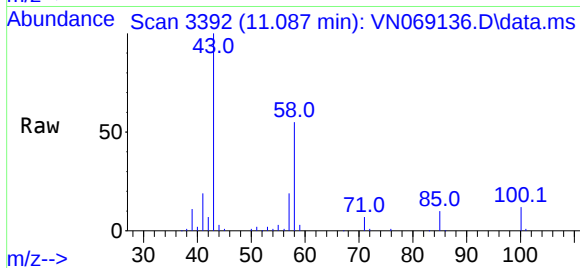
Tgt Ion: 43 Resp: 129829
Ion Ratio Lower Upper
43 100
58 38.6 30.0 45.0
85 18.8 15.0 22.6





#59
2-Hexanone
Concen: 21.198 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

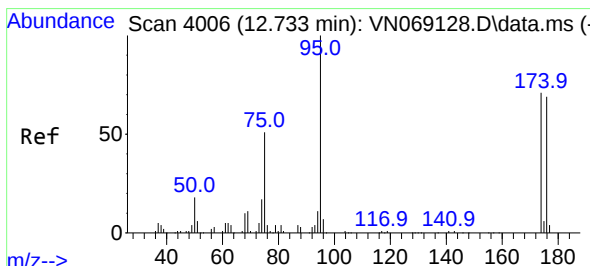
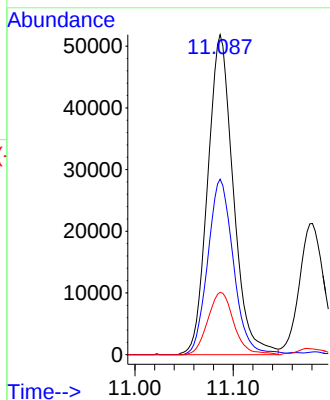
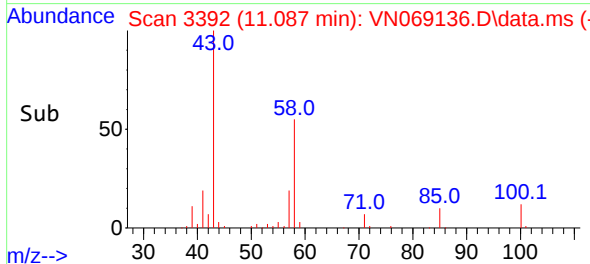
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



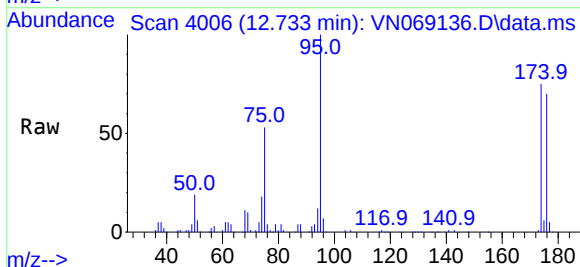
Tgt Ion: 43 Resp: 93724
Ion Ratio Lower Upper
43 100
58 55.0 42.2 63.2
57 19.8 15.0 22.4

Manual Integrations
APPROVED

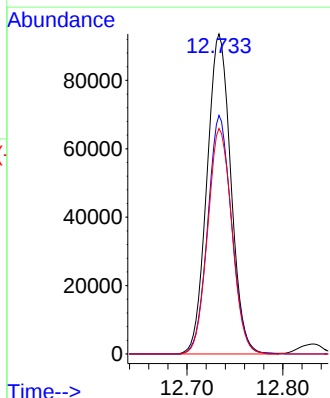
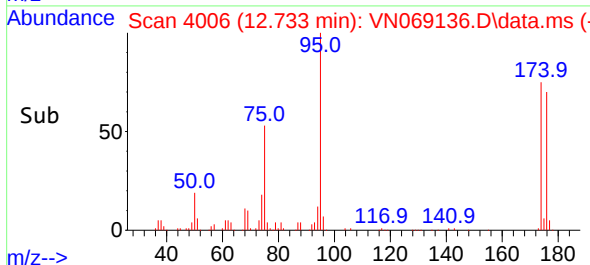
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

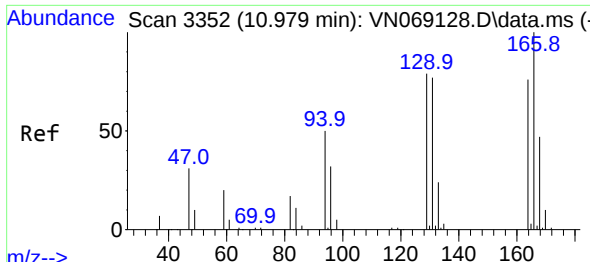


#60
4-Bromofluorobenzene
Concen: 27.198 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



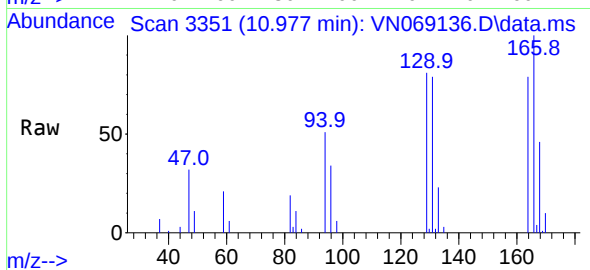
Tgt Ion: 95 Resp: 161852
Ion Ratio Lower Upper
95 100
174 74.5 62.9 94.3
176 71.4 61.0 91.4





#61
Tetrachloroethene
Concen: 4.476 ug/l
RT: 10.977 min Scan# 311
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

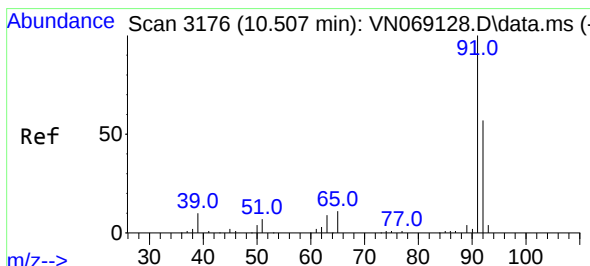
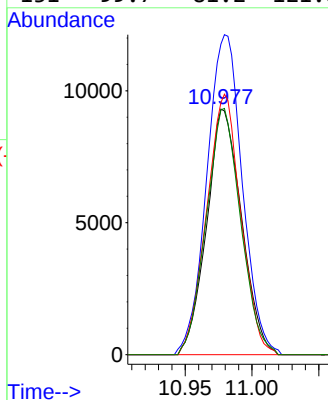
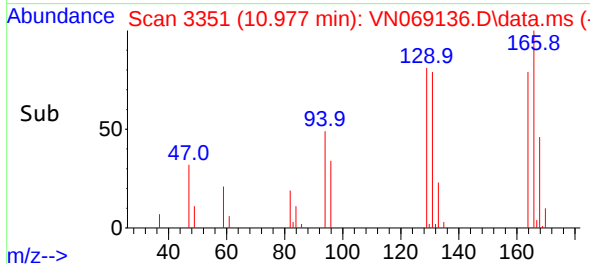
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



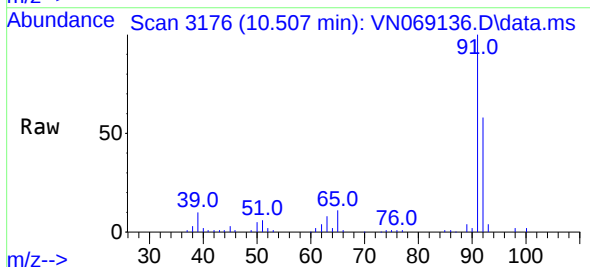
Tgt Ion:164 Resp: 1688
Ion Ratio Lower Upper
164 100
166 124.5 105.8 158.8
129 102.7 82.5 123.7
131 99.7 81.2 121.8

Manual Integrations
APPROVED

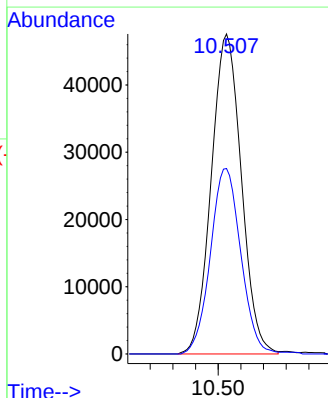
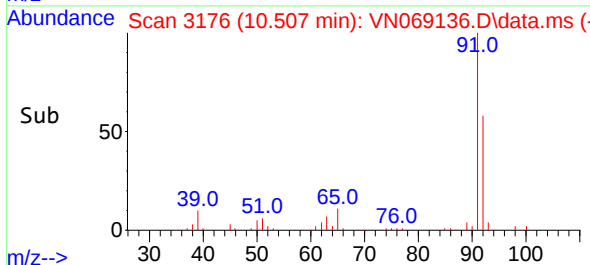
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

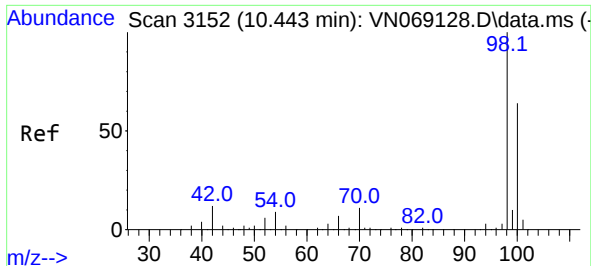


#62
Toluene
Concen: 4.336 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



Tgt Ion: 91 Resp: 87657
Ion Ratio Lower Upper
91 100
92 58.4 44.6 67.0





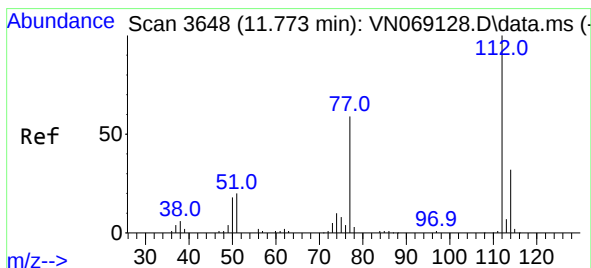
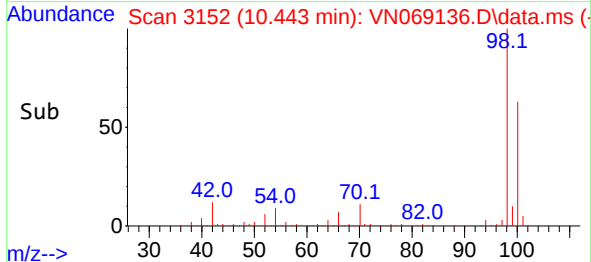
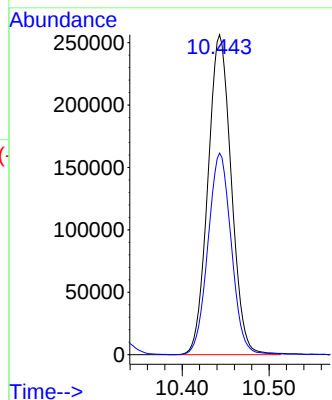
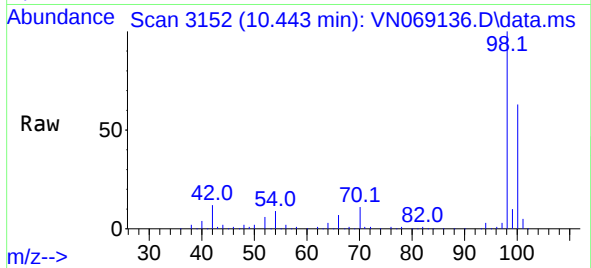
#63
Toluene-d8
Concen: 30.522 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument : MSVOA_N
ClientSampleId : VN069136.D
LOQ-WATER-02-QT4-2021

Tgt Ion: 98 Resp: 47858
Ion Ratio Lower Upper
98 100
100 63.1 50.6 76.0

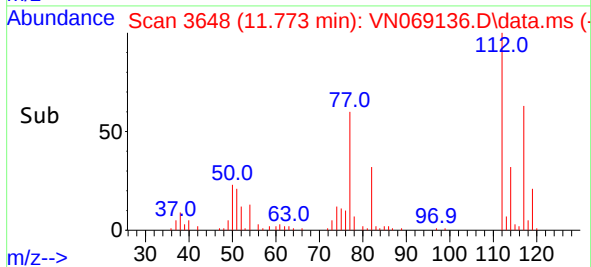
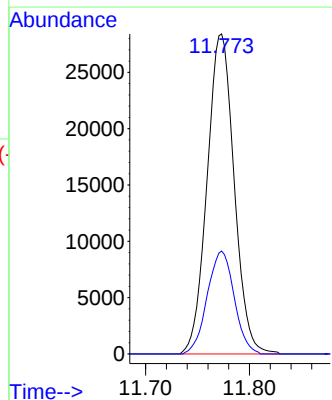
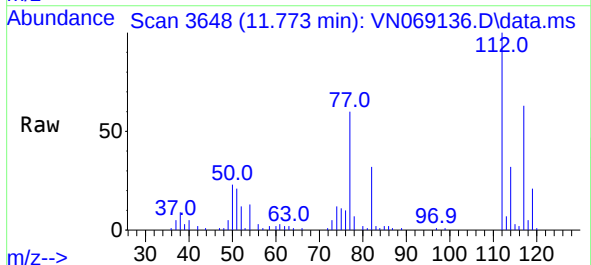
Manual Integrations
APPROVED

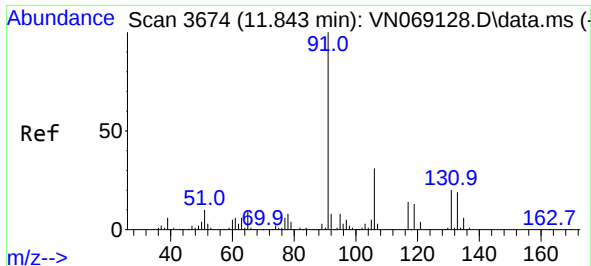
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#64
Chlorobenzene
Concen: 4.194 ug/l
RT: 11.773 min Scan# 3648
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

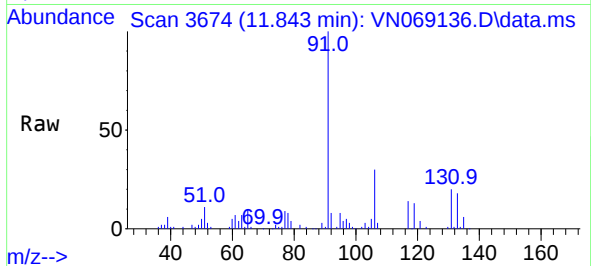
Tgt Ion:112 Resp: 51417
Ion Ratio Lower Upper
112 100
114 32.1 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 4.050 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

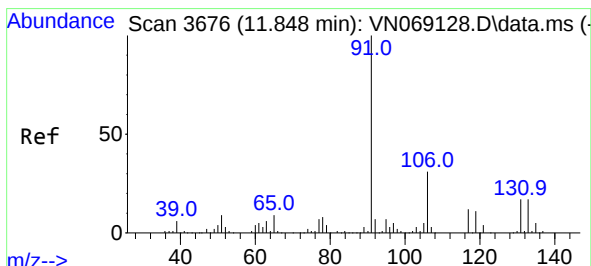
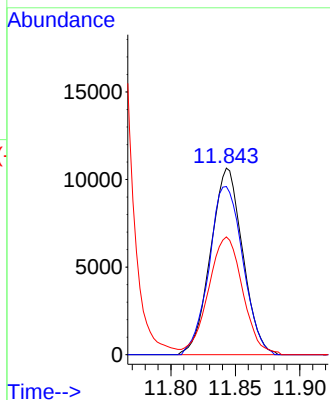
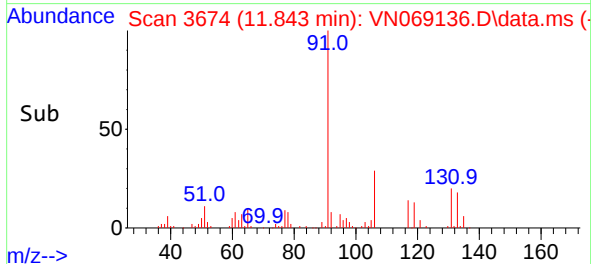
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2021



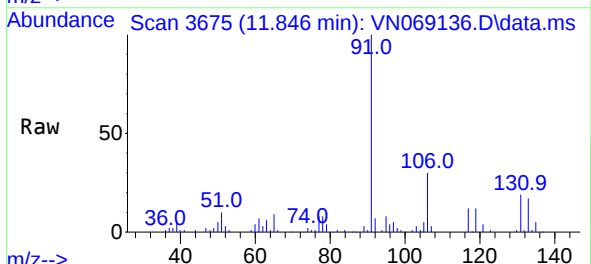
Tgt Ion:131 Resp: 1847
Ion Ratio Lower Upper
131 100
133 95.0 0.0 191.2
119 67.6 0.0 128.8

Manual Integrations
APPROVED

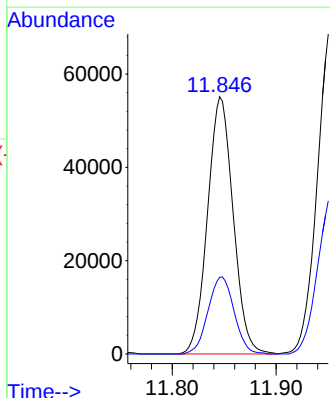
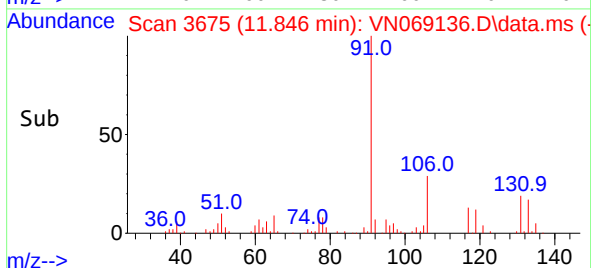
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

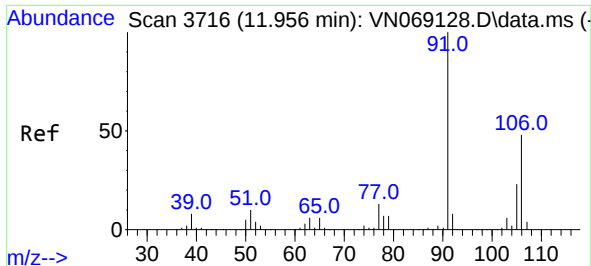


#66
Ethyl Benzene
Concen: 4.156 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



Tgt Ion: 91 Resp: 94458
Ion Ratio Lower Upper
91 100
106 29.8 24.0 36.0





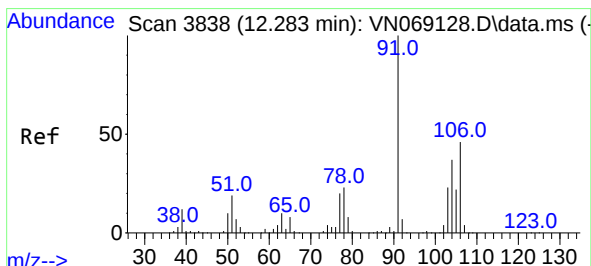
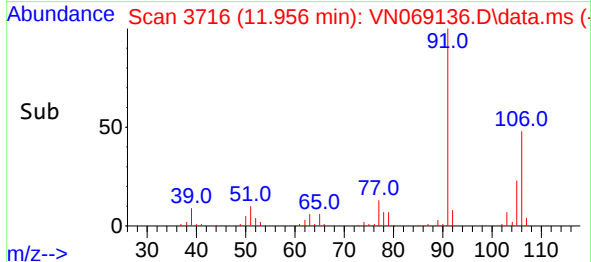
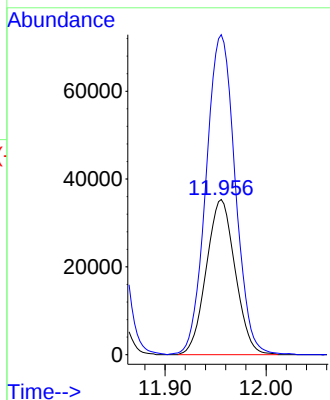
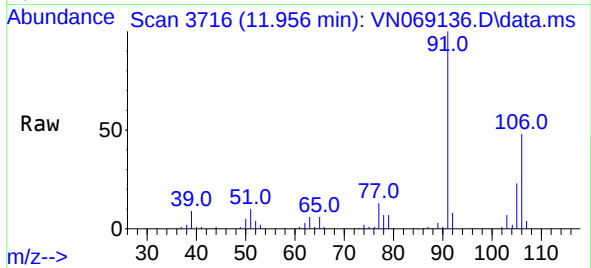
#67
m/p-Xylenes
Concen: 8.219 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT4-2021

Tgt Ion:106 Resp: 7024
Ion Ratio Lower Upper
106 100
91 208.2 162.9 244.3

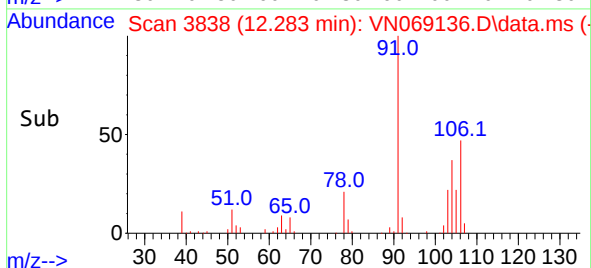
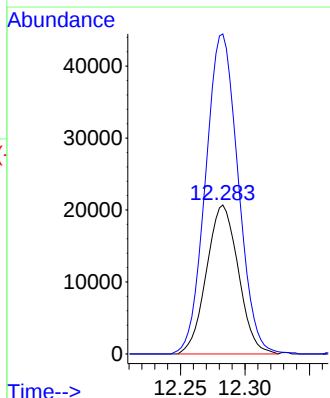
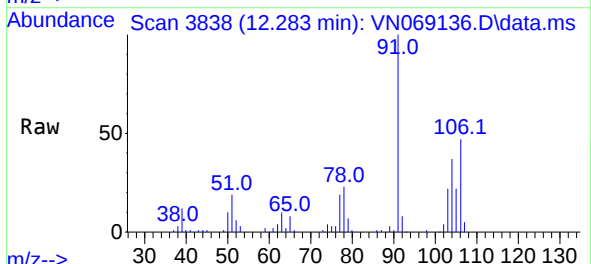
Manual Integrations
APPROVED

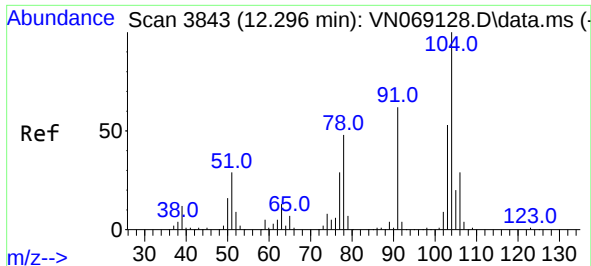
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#68
o-Xylene
Concen: 4.155 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

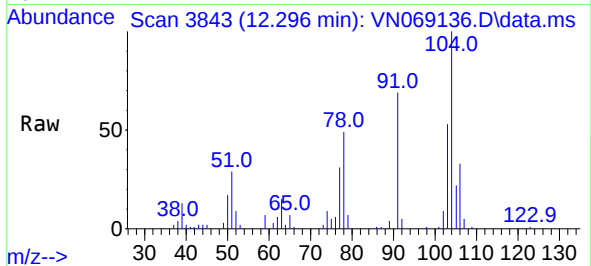
Tgt Ion:106 Resp: 35557
Ion Ratio Lower Upper
106 100
91 219.9 107.7 323.1





#69
Styrene
Concen: 3.918 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

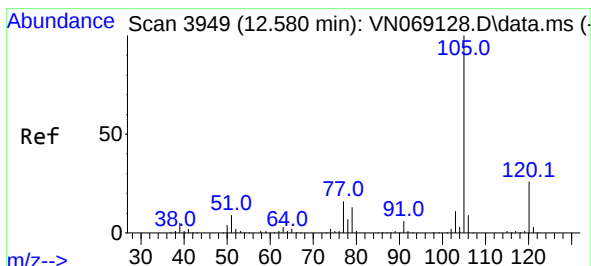
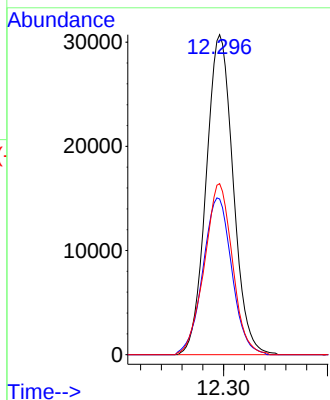
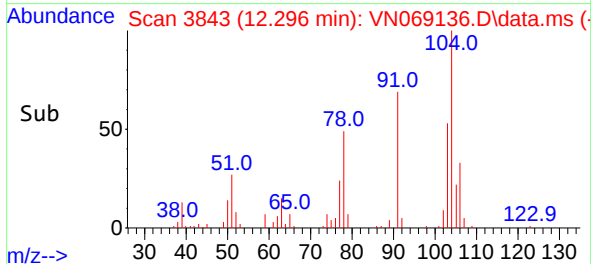
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



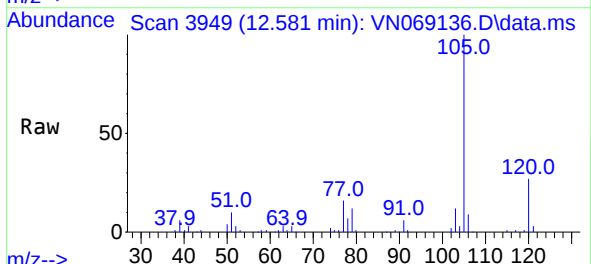
Tgt Ion:104 Resp: 5556
Ion Ratio Lower Upper
104 100
78 52.4 40.7 61.1
103 55.4 45.8 68.8

Manual Integrations
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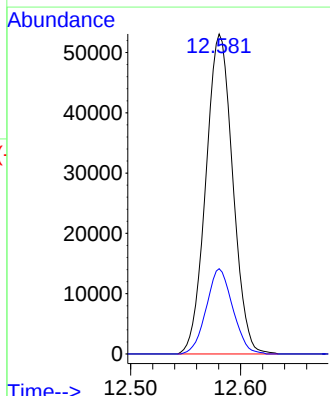
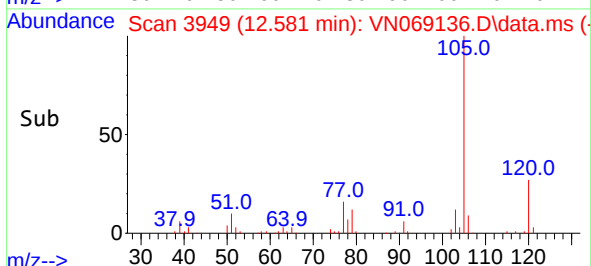
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

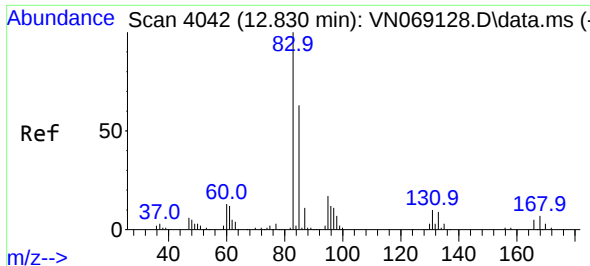


#70
Isopropylbenzene
Concen: 4.019 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



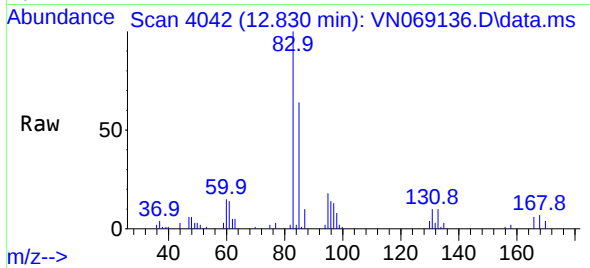
Tgt Ion:105 Resp: 90169
Ion Ratio Lower Upper
105 100
120 26.1 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 4.318 ug/l
RT: 12.830 min Scan# 4042
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

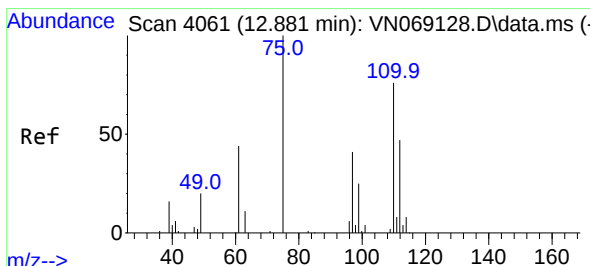
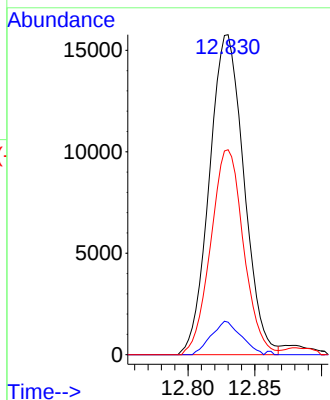
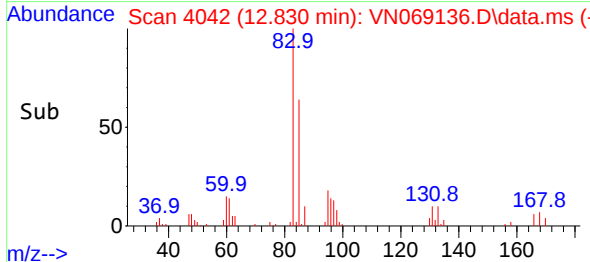
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



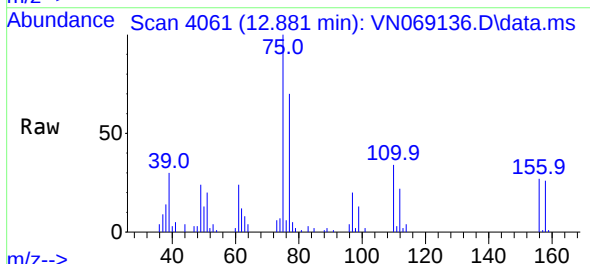
Tgt Ion: 83 Resp: 2839
Ion Ratio Lower Upper
83 100
131 9.0 5.1 15.3
85 61.0 33.1 99.2

Manual Integrations
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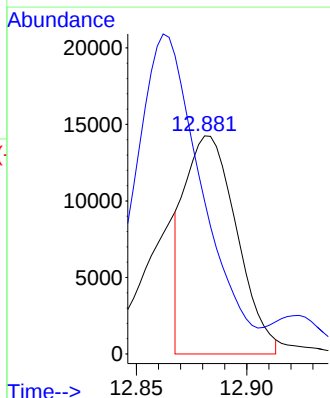
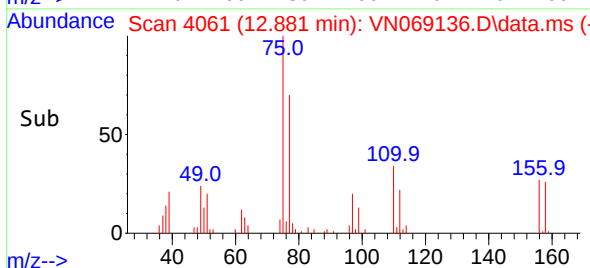
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

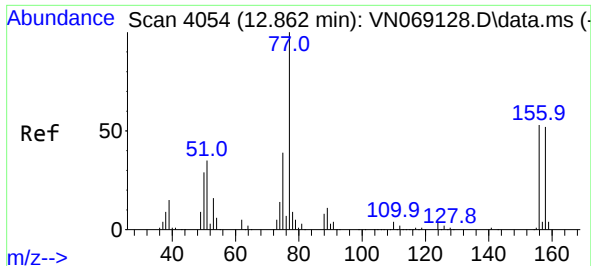


#72
1,2,3-Trichloropropane
Concen: 4.116 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



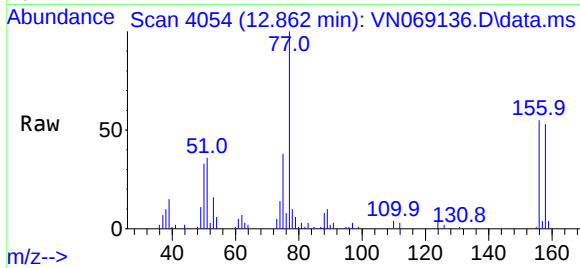
Tgt Ion: 75 Resp: 23258
Ion Ratio Lower Upper
75 100
77 188.0 0.0 378.0





#73
Bromobenzene
Concen: 4.111 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

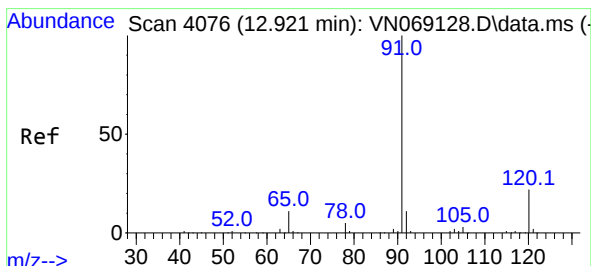
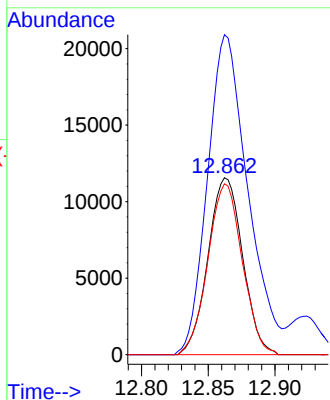
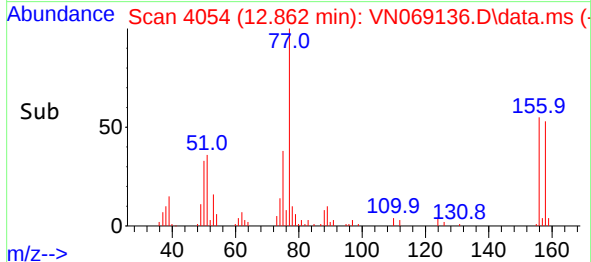
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



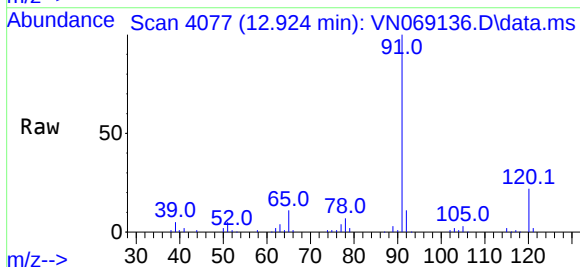
Tgt Ion:156 Resp: 20908
Ion Ratio Lower Upper
156 100
77 209.1 0.0 416.0
158 95.9 0.0 195.4

Manual Integrations
APPROVED

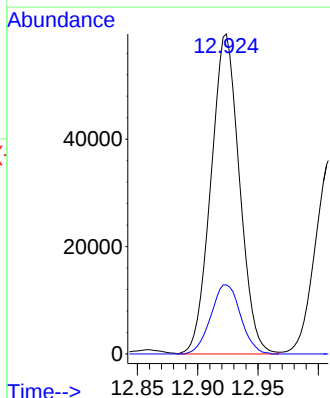
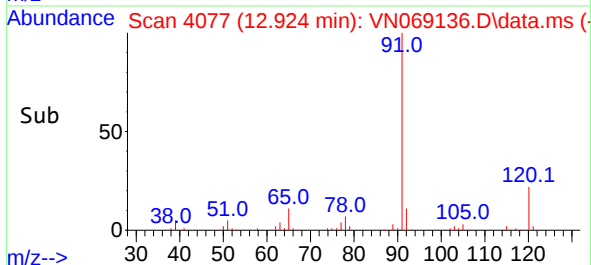
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

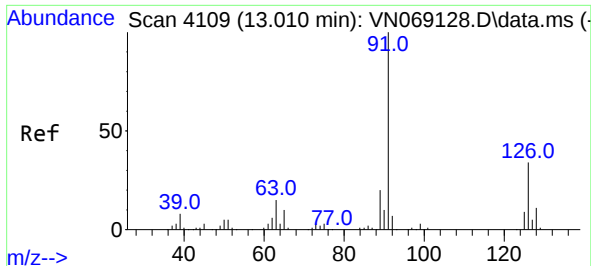


#74
n-propylbenzene
Concen: 3.807 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



Tgt Ion: 91 Resp: 98094
Ion Ratio Lower Upper
91 100
120 22.6 0.0 45.0





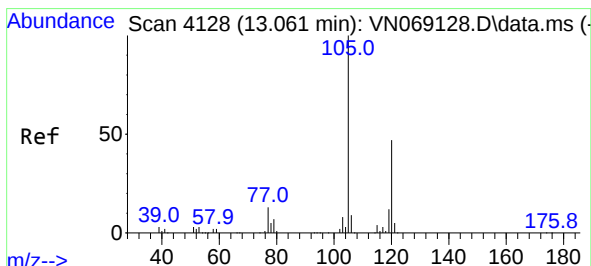
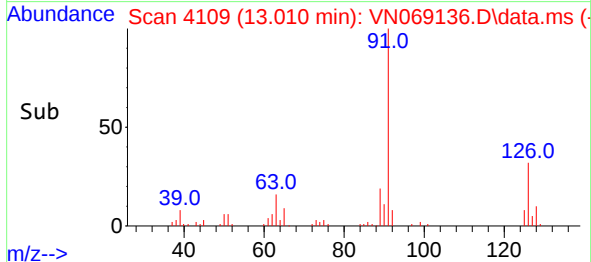
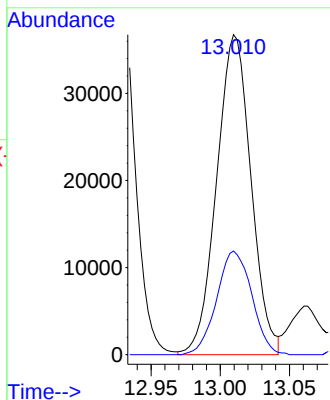
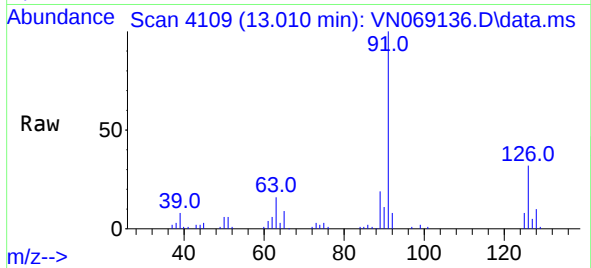
#75
2-Chlorotoluene
Concen: 4.021 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion: 91 Resp: 63440
Ion Ratio Lower Upper
91 100
126 33.0 0.0 69.8

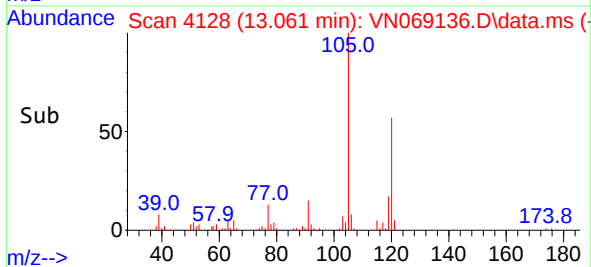
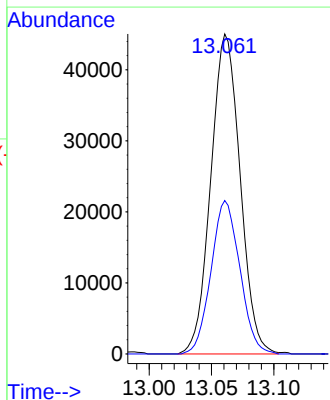
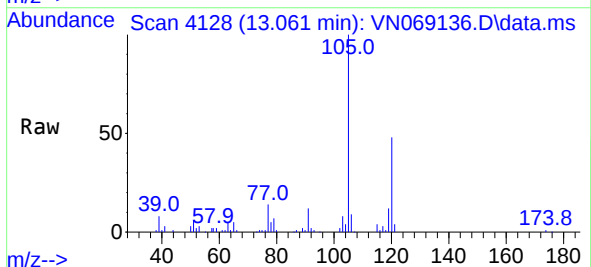
Manual Integrations
APPROVED

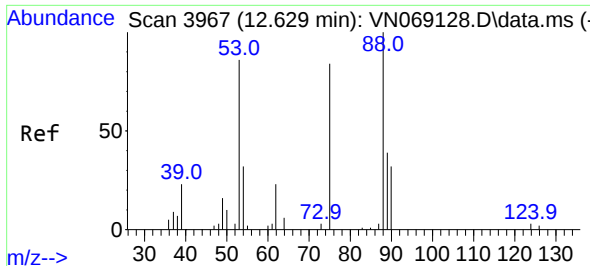
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#76
1,3,5-Trimethylbenzene
Concen: 3.943 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

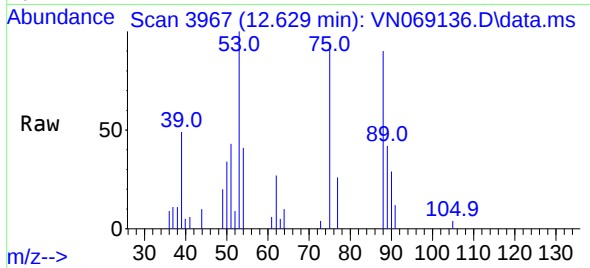
Tgt Ion:105 Resp: 73723
Ion Ratio Lower Upper
105 100
120 47.2 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 3.239 ug/l
RT: 12.629 min Scan# 3967
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

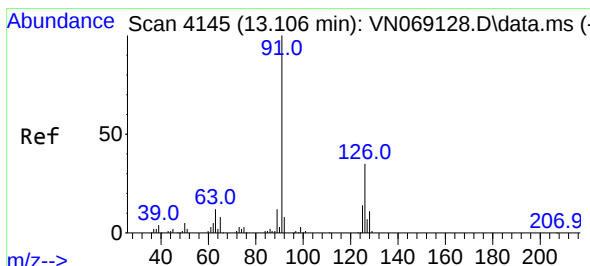
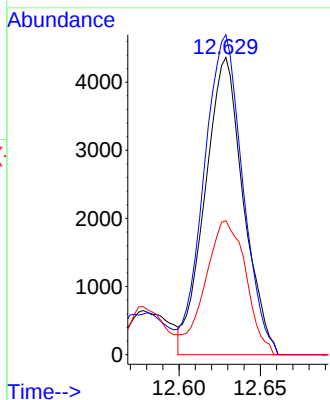
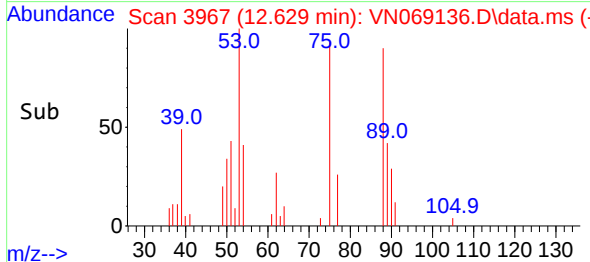
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



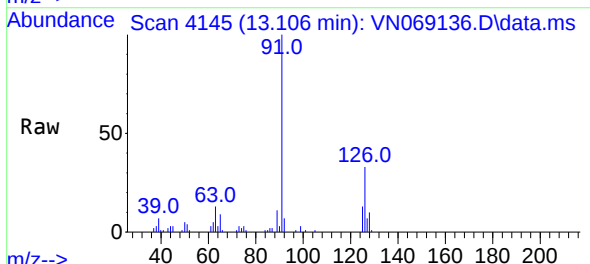
Tgt Ion: 75 Resp: 715
Ion Ratio Lower Upper
75 100
53 107.7 51.8 155.5
89 45.0 22.9 68.7

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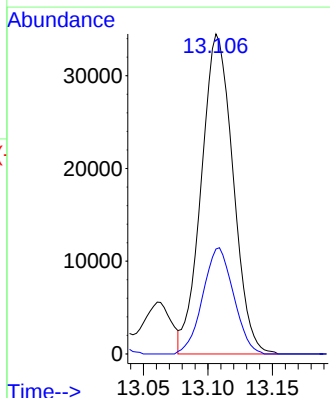
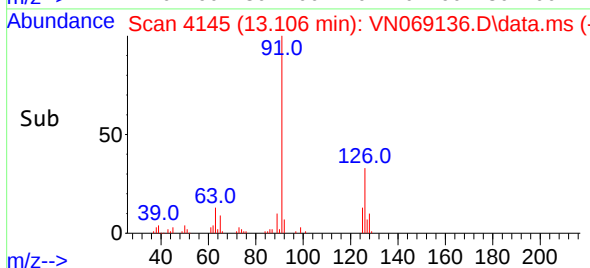
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

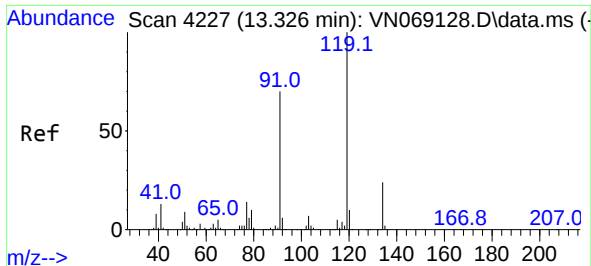


#78
4-Chlorotoluene
Concen: 3.814 ug/l
RT: 13.106 min Scan# 4145
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



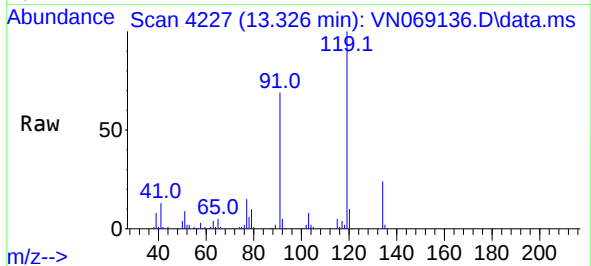
Tgt Ion: 91 Resp: 58972
Ion Ratio Lower Upper
91 100
126 32.2 0.0 70.6





#79
tert-butylbenzene
Concen: 3.960 ug/l
RT: 13.326 min Scan# 4227
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

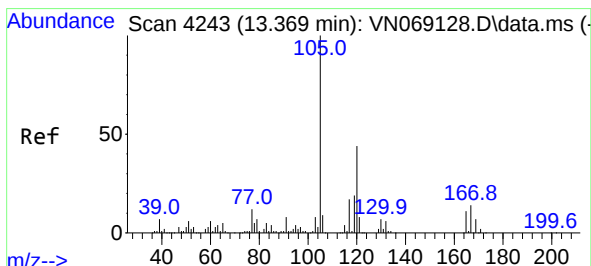
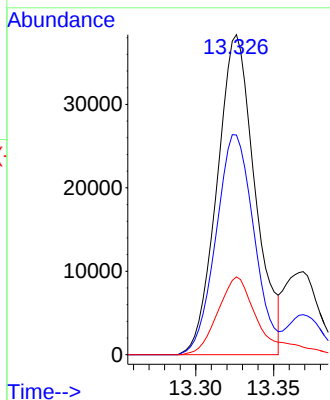
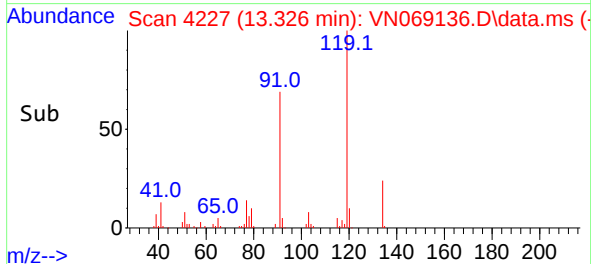
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



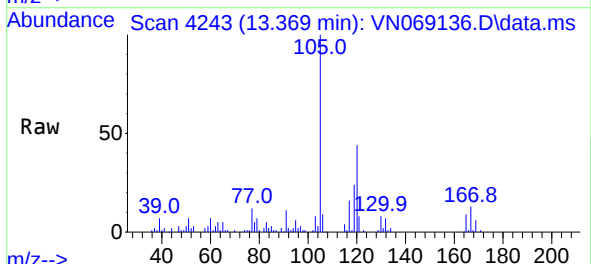
Tgt Ion:119 Resp: 65015
Ion Ratio Lower Upper
119 100
91 68.9 0.0 137.0
134 26.2 0.0 47.6

Manual Integrations
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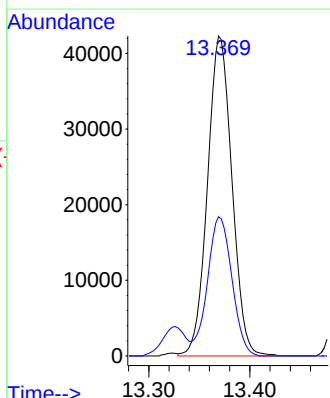
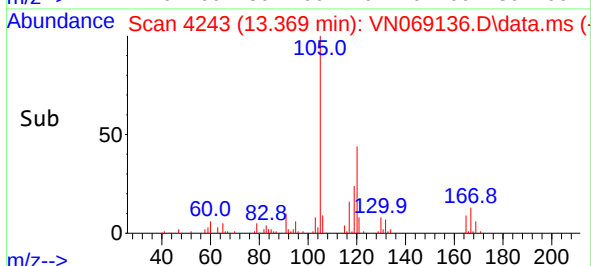
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

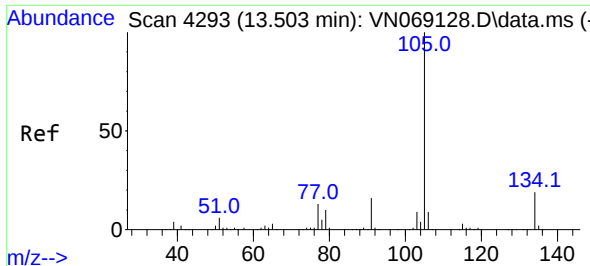


#80
1,2,4-Trimethylbenzene
Concen: 3.871 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



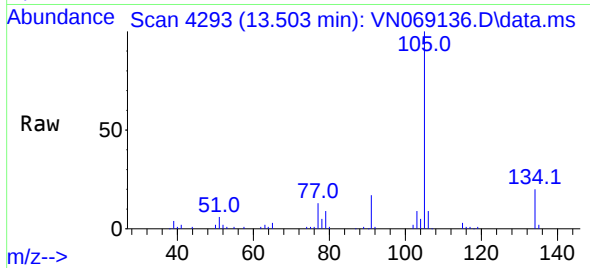
Tgt Ion:105 Resp: 71065
Ion Ratio Lower Upper
105 100
120 43.4 0.0 0.2#





#81
 sec-Butylbenzene
 Concen: 3.808 ug/l
 RT: 13.503 min Scan# 4293
 Delta R.T. 0.000 min
 Lab File: VN069136.D
 Acq: 22 Oct 2021 15:31

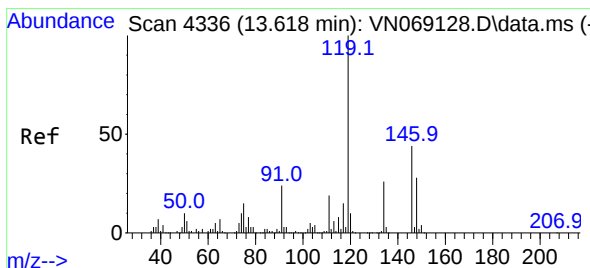
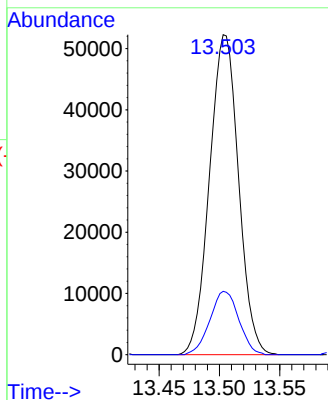
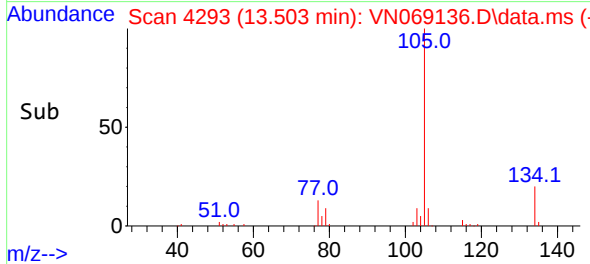
Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT4-2021



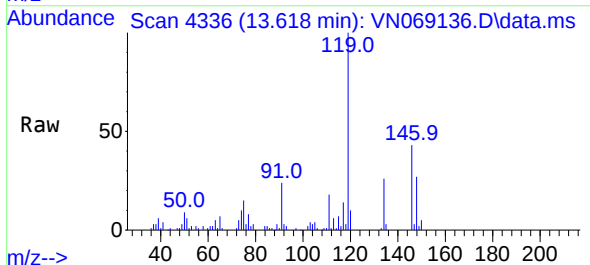
Tgt Ion:105 Resp: 8753
 Ion Ratio Lower Upper
 105 100
 134 19.7 0.0 39.4

Manual Integrations
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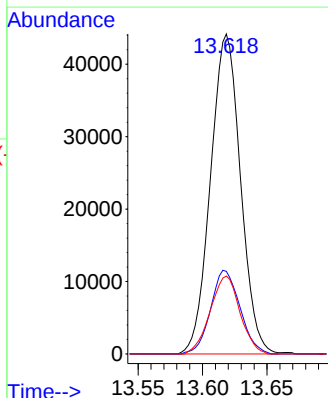
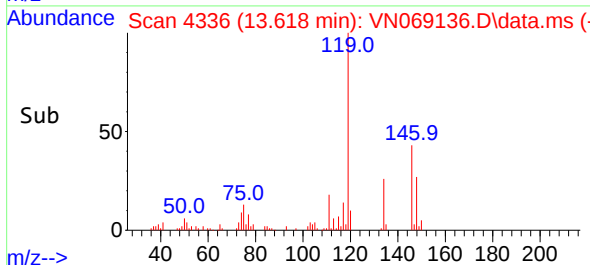
Reviewed By :John Carlone 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021

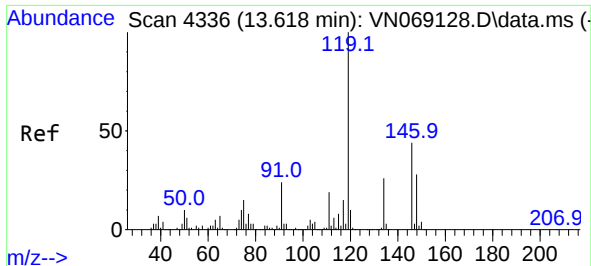


#82
 p-Isopropyltoluene
 Concen: 3.809 ug/l
 RT: 13.618 min Scan# 4336
 Delta R.T. 0.000 min
 Lab File: VN069136.D
 Acq: 22 Oct 2021 15:31



Tgt Ion:119 Resp: 71416
 Ion Ratio Lower Upper
 119 100
 134 25.6 0.0 51.8
 91 24.1 0.0 50.4





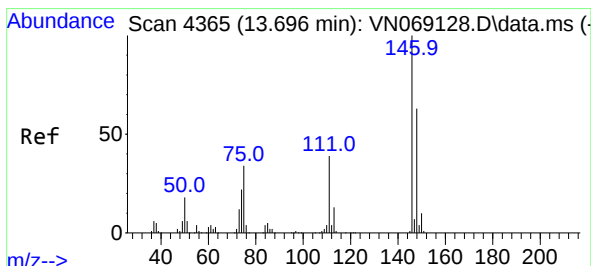
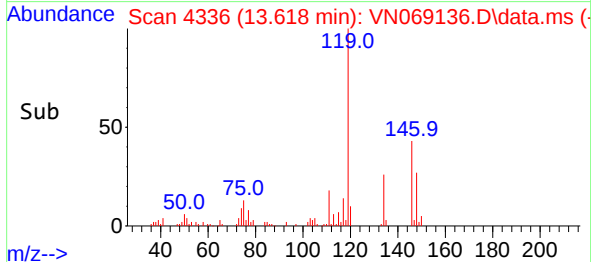
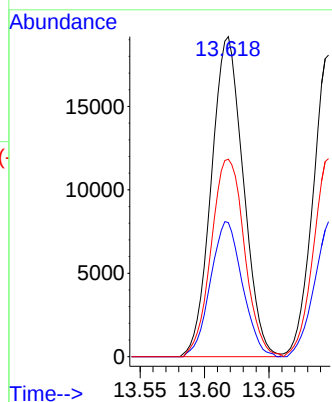
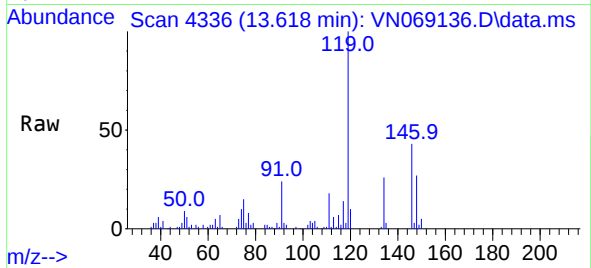
#83
1,3-Dichlorobenzene
Concen: 3.698 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion:146 Resp: 33108
Ion Ratio Lower Upper
146 100
111 42.0 20.8 62.2
148 64.3 31.4 94.3

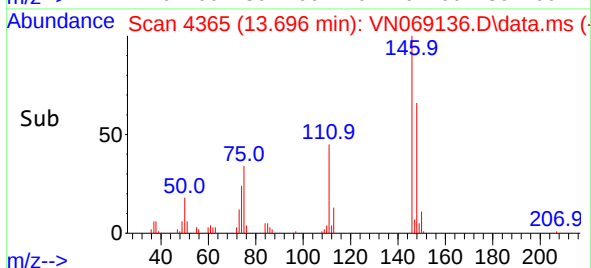
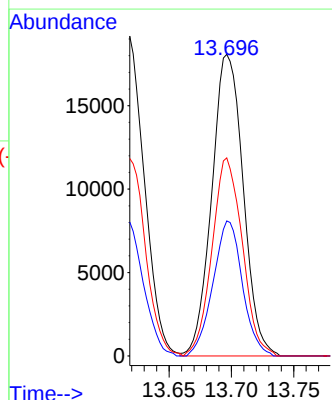
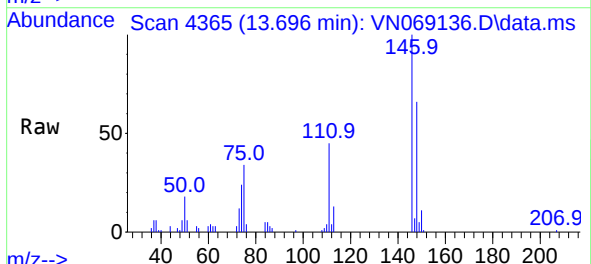
Manual Integrations
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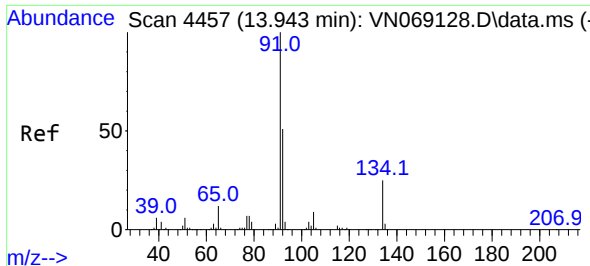
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#84
1,4-Dichlorobenzene
Concen: 3.641 ug/l
RT: 13.696 min Scan# 4365
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion:146 Resp: 31745
Ion Ratio Lower Upper
146 100
111 41.9 19.5 58.5
148 63.1 31.1 93.5





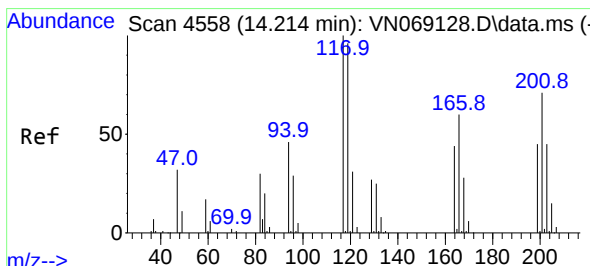
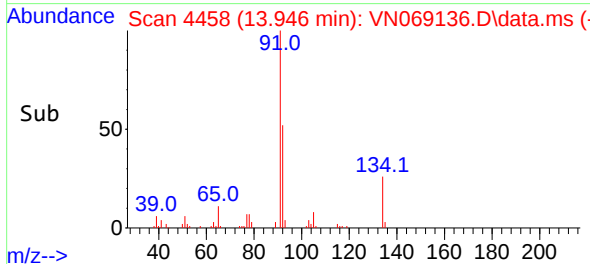
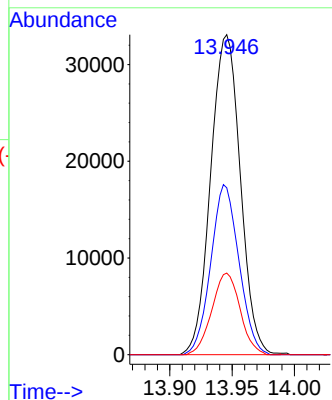
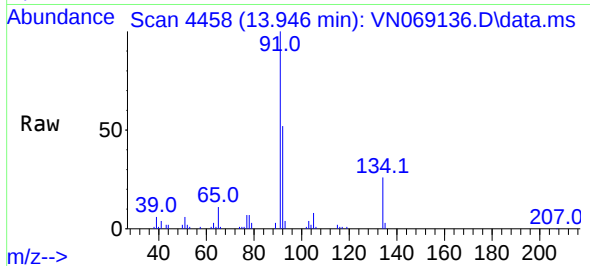
#85
n-Butylbenzene
Concen: 3.493 ug/l
RT: 13.946 min Scan# 4457
Delta R.T. 0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion: 91 Resp: 54772
Ion Ratio Lower Upper
91 100
92 50.5 0.0 100.6
134 24.3 0.0 50.2

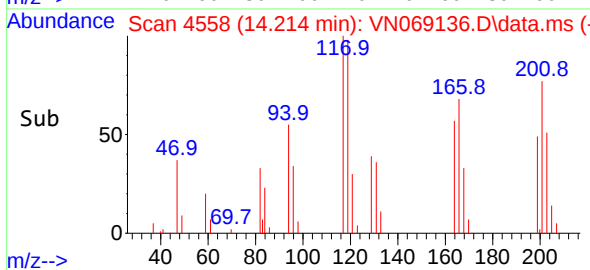
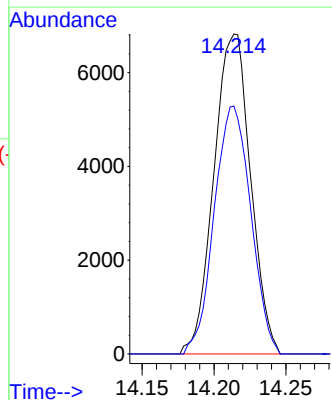
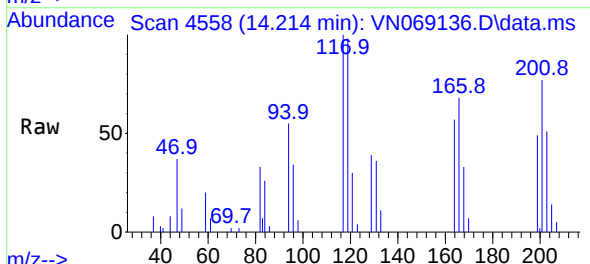
Manual Integrations
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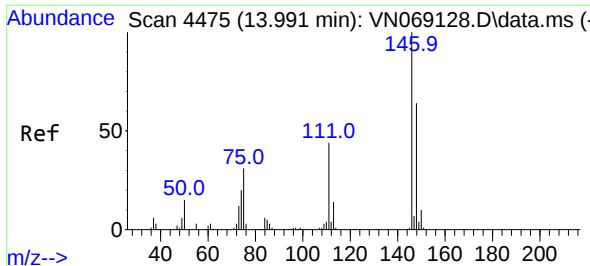
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#86
Hexachloroethane
Concen: 3.455 ug/l
RT: 14.214 min Scan# 4558
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

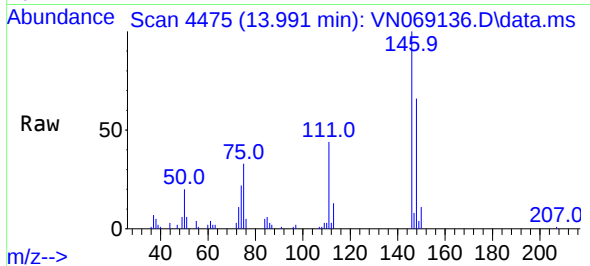
Tgt Ion:117 Resp: 12128
Ion Ratio Lower Upper
117 100
201 77.1 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 3.755 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

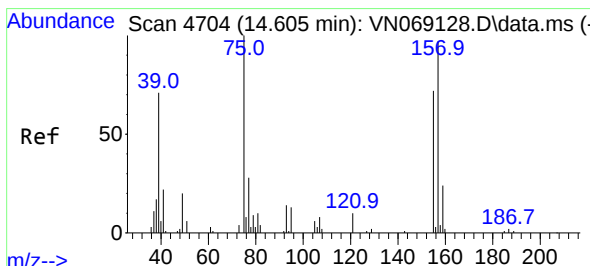
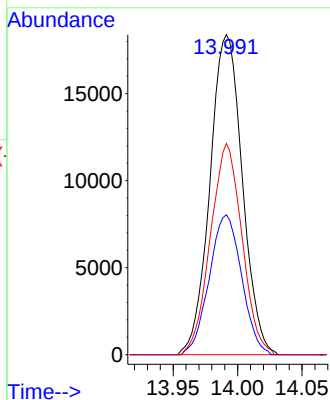
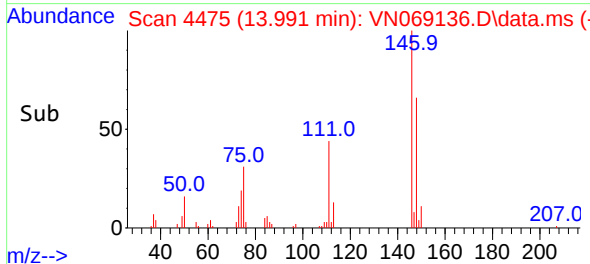
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



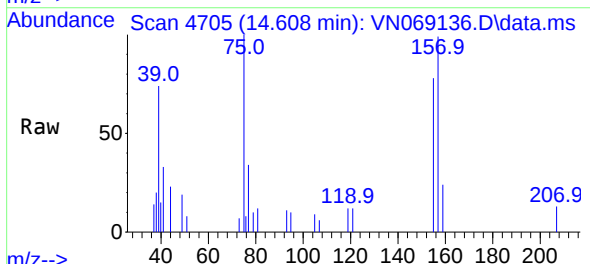
Tgt Ion:146 Resp: 3212
Ion Ratio Lower Upper
146 100
111 43.7 21.4 64.2
148 64.4 32.5 97.4

Manual Integrations
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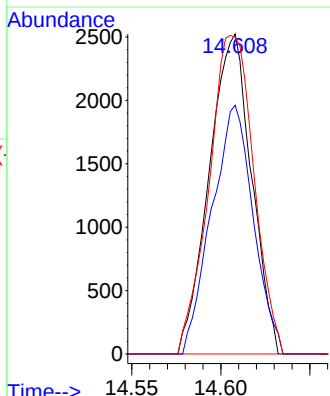
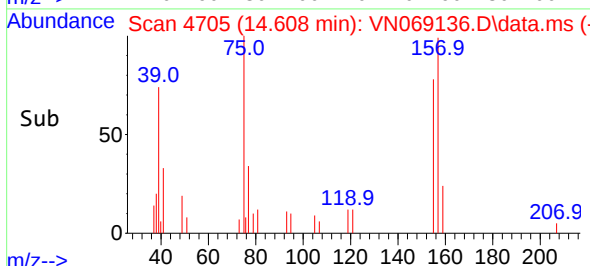
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

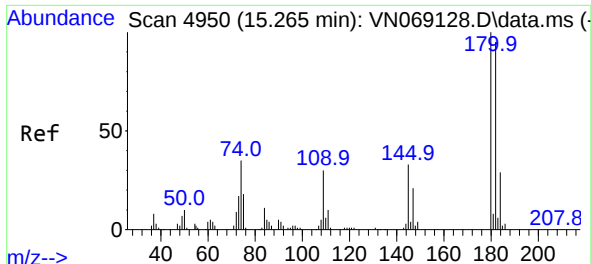


#88
1,2-Dibromo-3-Chloropropane
Concen: 3.402 ug/l
RT: 14.608 min Scan# 4705
Delta R.T. 0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



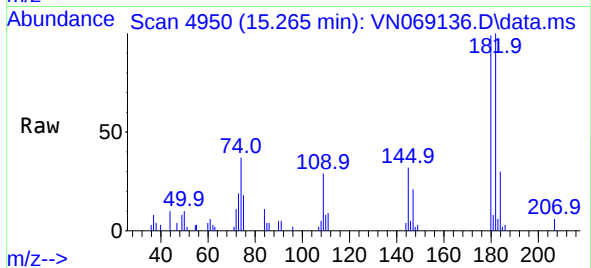
Tgt Ion: 75 Resp: 4167
Ion Ratio Lower Upper
75 100
155 76.4 63.8 95.8
157 105.4 77.9 116.9





#89
1,2,4-Trichlorobenzene
Concen: 3.264 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

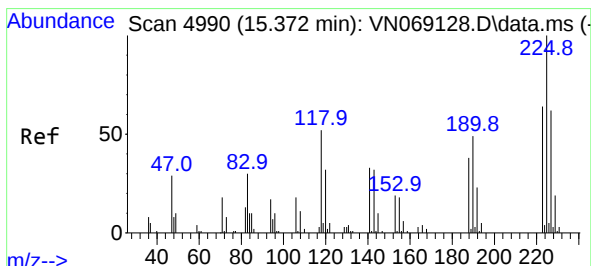
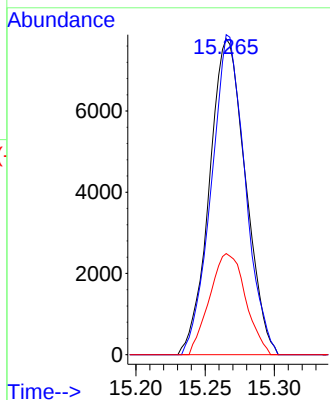
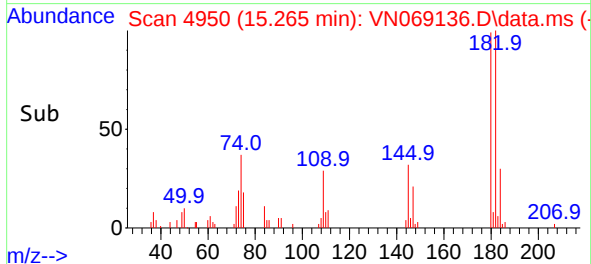
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021



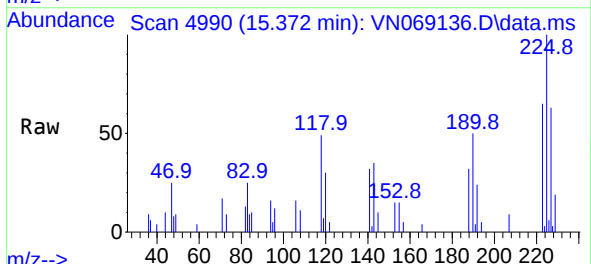
Tgt Ion:180 Resp: 14079
Ion Ratio Lower Upper
180 100
182 95.0 77.7 116.5
145 31.9 26.6 39.8

Manual Integrations
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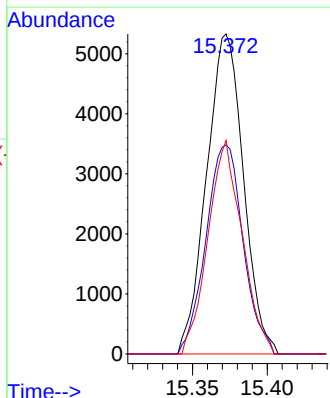
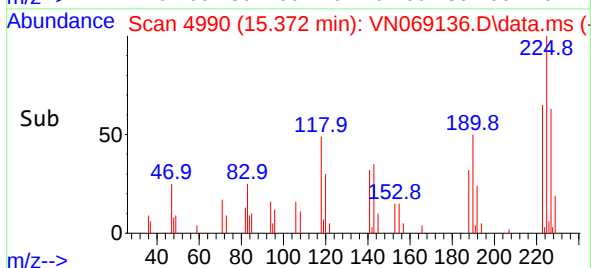
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

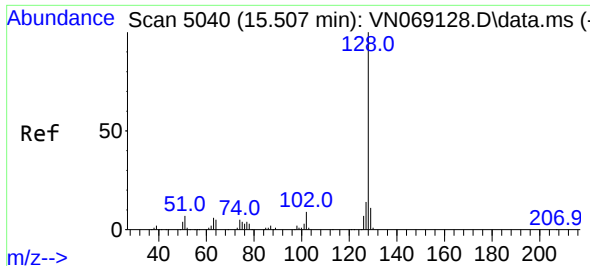


#90
Hexachlorobutadiene
Concen: 4.061 ug/l
RT: 15.372 min Scan# 4990
Delta R.T. 0.000 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31



Tgt Ion:225 Resp: 9158
Ion Ratio Lower Upper
225 100
223 65.9 0.0 126.8
227 61.8 0.0 123.0





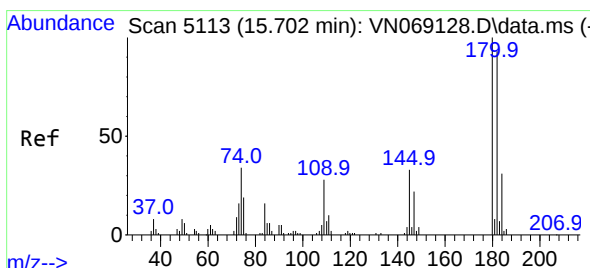
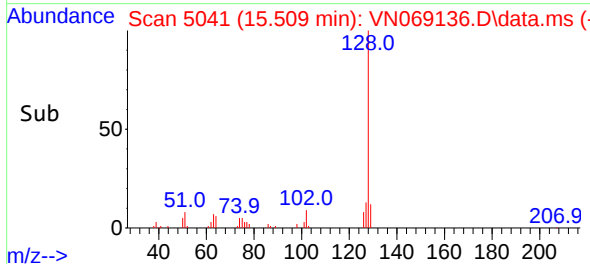
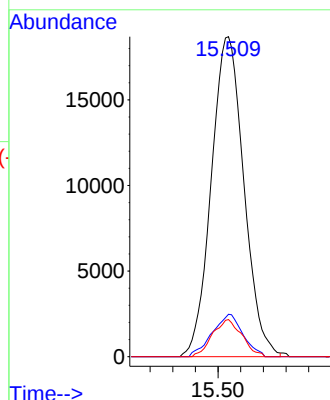
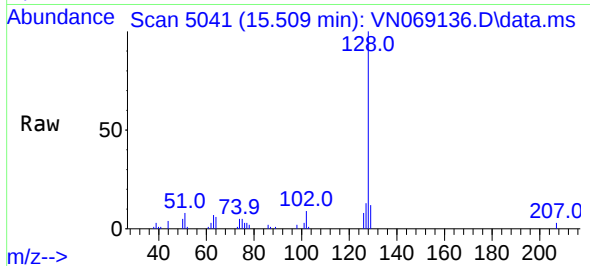
#91
Naphthalene
Concen: 2.992 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT4-2021

Tgt Ion:128 Resp: 3732
Ion Ratio Lower Upper
128 100
127 12.5 10.7 16.1
129 10.4 9.0 13.6

Manual Integrations
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Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#92
1,2,3-Trichlorobenzene
Concen: 3.319 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN069136.D
Acq: 22 Oct 2021 15:31

Tgt Ion:180 Resp: 13683
Ion Ratio Lower Upper
180 100
182 96.3 0.0 190.0
145 33.3 0.0 67.8

