

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102221\
 Data File : VN069135.D
 Acq On : 22 Oct 2021 15:06
 Operator : JC/MD
 Sample : M4068-07
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2021

Quant Time: Oct 23 07:54:17 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	67683	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	411619	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.746	117	366450	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	165939	31.477	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.933%			
60) 4-Bromofluorobenzene	12.733	95	168126	26.757	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.200%			
63) Toluene-d8	10.443	98	505979	30.561	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.867%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.073	85	8322	1.860	ug/l	99
3) Chloromethane	2.303	50	10385	2.232	ug/l	95
4) Vinyl Chloride	2.443	62	11573	2.087	ug/l	97
5) Bromomethane	2.858	94	9937	2.732	ug/l	93
6) Chloroethane	3.022	64	7790	2.167	ug/l	93
7) Trichlorofluoromethane	3.381	101	15458	2.152	ug/l	96
8) Diethyl Ether	3.829	74	5512	2.168	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.218	101	8408m	2.155	ug/l	
10) 1,1-Dichloroethene	4.191	96	7976	2.095	ug/l	88
11) Methyl Iodide	4.422	142	8337	1.558	ug/l	93
12) Methyl Acetate	4.859	43	17484	2.412	ug/l	100
13) Acrolein	4.044	56	6584	15.074	ug/l	92
14) Acrylonitrile	5.562	53	21626m	10.513	ug/l	
15) Acetone	4.291	58	5652	8.789	ug/l	88
16) Carbon Disulfide	4.535	76	20796	2.033	ug/l	95
17) Allyl chloride	4.843	41	13064	1.993	ug/l	87
18) Methylene Chloride	5.106	84	13166m	2.911	ug/l	
19) trans-1,2-Dichloroethene	5.599	96	8687	2.102	ug/l	94
20) Diisopropyl ether	6.498	45	27197	1.942	ug/l	95
21) 1,1-Dichloroethane	6.391	63	16386	2.097	ug/l	98
22) cis-1,2-Dichloroethene	7.324	96	10520	2.123	ug/l	98
23) tert-Butyl Alcohol	5.361	59	8631m	10.226	ug/l	
24) Methyl tert-Butyl Ether	5.621	73	29623	2.052	ug/l	98
25) Chloroform	7.820	83	17400	2.083	ug/l	95
26) Cyclohexane	8.096	56	15044	2.090	ug/l #	97
29) 1,1-Dichloropropene	8.225	75	12508	1.931	ug/l	62
30) 2-Butanone	7.337	43	30039	9.658	ug/l #	94
31) 2,2-Dichloropropane	7.327	77	14679	1.892	ug/l	94
32) 1,1,1-Trichloroethane	8.016	97	15605	1.936	ug/l	99
33) Carbon Tetrachloride	8.209	117	12459	1.820	ug/l	98
34) Benzene	8.461	78	38086	1.969	ug/l #	54
35) Methacrylonitrile	7.635	41	5946	1.918	ug/l	92
36) 1,2-Dichloroethane	8.531	62	14906	2.135	ug/l	96
37) Trichloroethene	9.220	130	9741	1.980	ug/l	95
38) Methylcyclohexane	9.459	83	15937	1.933	ug/l	86
39) 1,2-Dichloropropane	9.494	63	9590	1.944	ug/l	99
40) Dibromomethane	9.579	93	6915	2.005	ug/l	73
41) Bromodichloromethane	9.762	83	12693	1.842	ug/l #	93
42) Vinyl Acetate	6.433	43	93568	8.431	ug/l #	91

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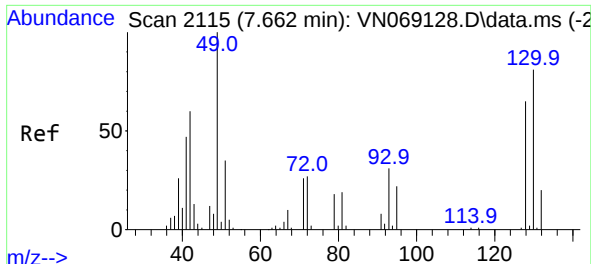
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.418	43	10664	1.758	ug/l	94
44) Isopropyl Acetate	8.563	43	23076	2.054	ug/l #	83
45) 1,4-Dioxane	9.574	88	3418	38.014	ug/l #	89
46) Methyl methacrylate	9.561	41	9032	1.778	ug/l	86
47) n-amyl Acetate	12.390	43	15657	1.642	ug/l	99
48) t-1,3-Dichloropropene	10.719	75	13526	1.697	ug/l	97
49) cis-1,3-Dichloropropene	10.191	75	14911	1.797	ug/l	99
50) 1,1,2-Trichloroethane	10.899	97	9821	1.984	ug/l	98
51) Ethyl methacrylate	10.762	69	15011	1.840	ug/l	94
52) 1,3-Dichloropropane	11.046	76	16237	1.950	ug/l	98
53) Dibromochloromethane	11.240	129	8825	1.670	ug/l	99
54) 1,2-Dibromoethane	11.350	107	9673	1.870	ug/l	98
55) 2-Chloroethyl vinyl ether	10.041	63	25581	9.876	ug/l	100
56) Bromoform	12.457	173	5452	1.432	ug/l #	97
58) 4-Methyl-2-Pentanone	10.330	43	62089	10.043	ug/l	97
59) 2-Hexanone	11.087	43	45760	9.802	ug/l	100
61) Tetrachloroethene	10.979	164	9161	2.300	ug/l	92
62) Toluene	10.507	91	44717	2.095	ug/l	99
64) Chlorobenzene	11.771	112	26512	2.048	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.840	131	8726	1.812	ug/l	93
66) Ethyl Benzene	11.846	91	46893	1.954	ug/l	100
67) m/p-Xylenes	11.956	106	34606	3.835	ug/l	95
68) o-Xylene	12.280	106	17552	1.942	ug/l	97
69) Styrene	12.299	104	26500	1.770	ug/l	98
70) Isopropylbenzene	12.581	105	45135	1.905	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.827	83	13112	1.888	ug/l	99
72) 1,2,3-Trichloropropane	12.881	75	11642m	1.951	ug/l	
73) Bromobenzene	12.862	156	9924	1.848	ug/l	94
74) n-propylbenzene	12.924	91	49213	1.809	ug/l	99
75) 2-Chlorotoluene	13.010	91	30385	1.824	ug/l	98
76) 1,3,5-Trimethylbenzene	13.061	105	37022	1.875	ug/l	97
77) t-1,4-Dichloro-2-butene	12.626	75	3172	1.359	ug/l	96
78) 4-Chlorotoluene	13.109	91	28848	1.767	ug/l	95
79) tert-butylbenzene	13.326	119	32129	1.853	ug/l	99
80) 1,2,4-Trimethylbenzene	13.369	105	35521	1.833	ug/l #	82
81) sec-Butylbenzene	13.503	105	43624	1.798	ug/l	98
82) p-Isopropyltoluene	13.618	119	34080	1.722	ug/l	99
83) 1,3-Dichlorobenzene	13.618	146	16762	1.773	ug/l	99
84) 1,4-Dichlorobenzene	13.699	146	16254	1.766	ug/l	96
85) n-Butylbenzene	13.946	91	27958	1.689	ug/l	99
86) Hexachloroethane	14.214	117	5279	1.424	ug/l	88
87) 1,2-Dichlorobenzene	13.991	146	15993	1.771	ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.603	75	1988	1.537	ug/l	90
89) 1,2,4-Trichlorobenzene	15.265	180	7620	1.673	ug/l	95
90) Hexachlorobutadiene	15.370	225	4436	1.863	ug/l	97
91) Naphthalene	15.509	128	19762	1.500	ug/l	97
92) 1,2,3-Trichlorobenzene	15.702	180	7278	1.672	ug/l	97

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



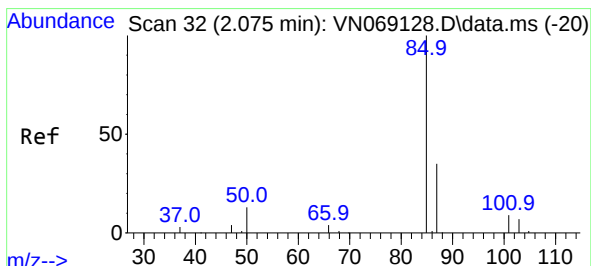
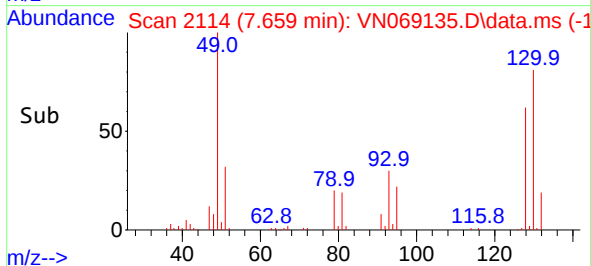
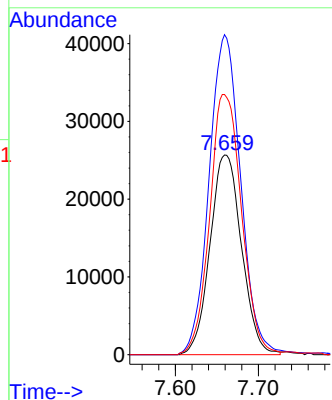
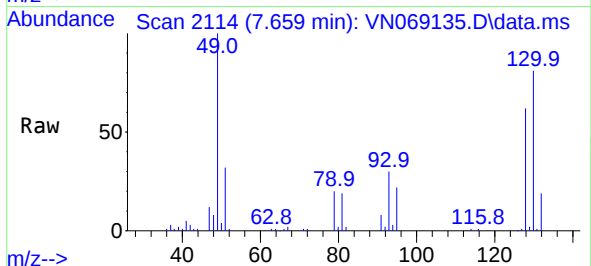
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion:128 Resp: 6768
Ion Ratio Lower Upper
128 100
49 160.7 0.0 392.3
130 132.1 0.0 320.2

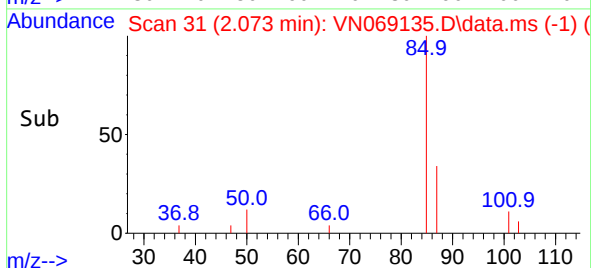
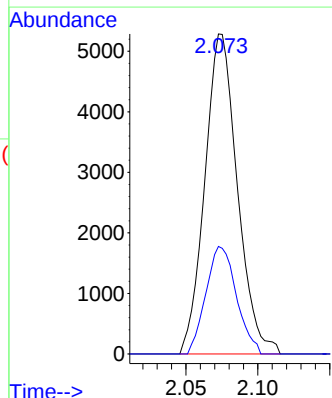
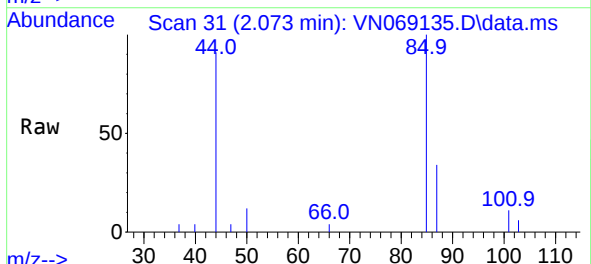
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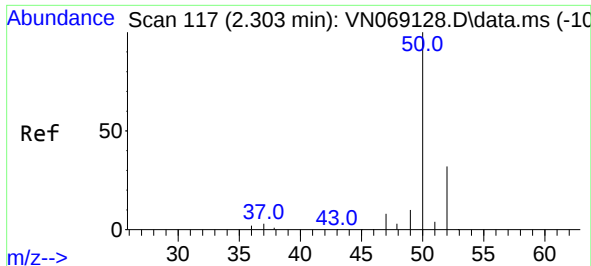
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#2
Dichlorodifluoromethane
Concen: 1.860 ug/l
RT: 2.073 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion: 85 Resp: 8322
Ion Ratio Lower Upper
85 100
87 33.6 16.6 49.7





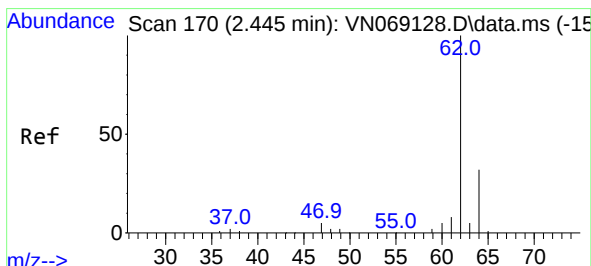
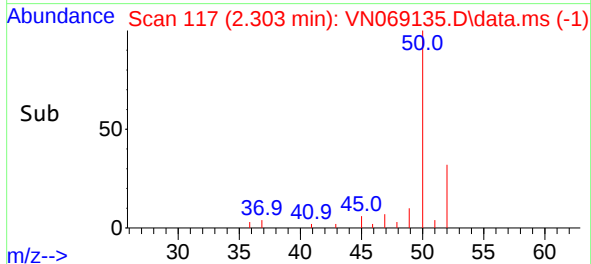
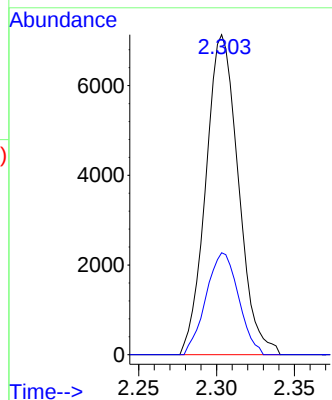
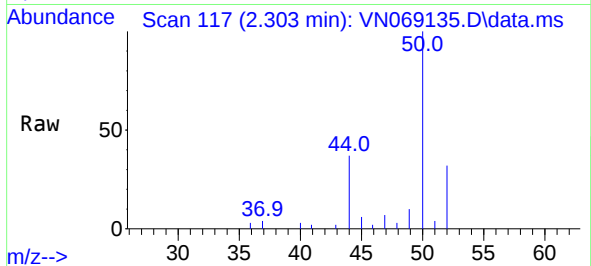
#3
Chloromethane
Concen: 2.232 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 50 Resp: 10385
Ion Ratio Lower Upper
50 100
52 31.9 27.8 41.6

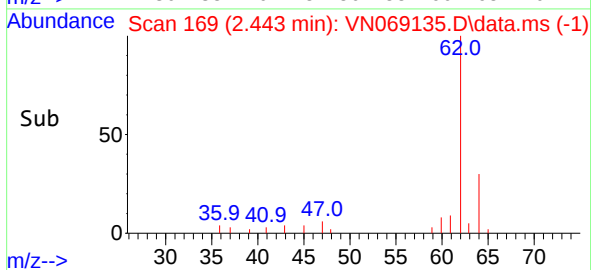
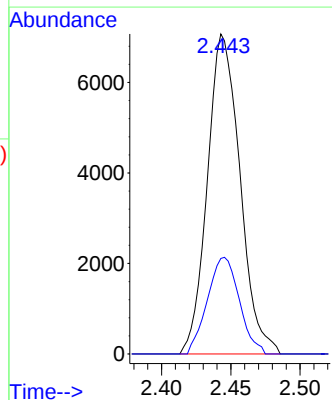
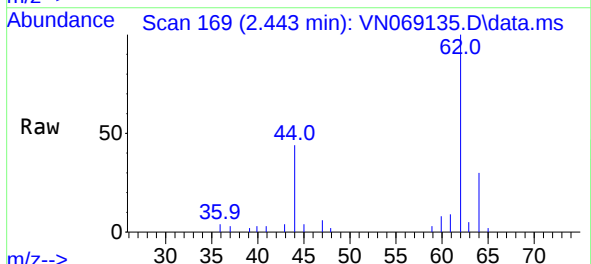
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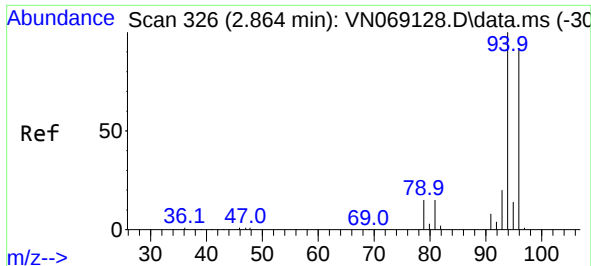
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#4
Vinyl Chloride
Concen: 2.087 ug/l
RT: 2.443 min Scan# 169
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

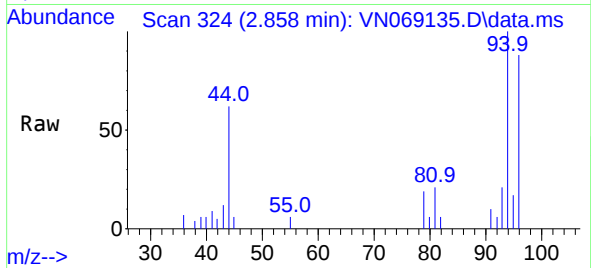
Tgt Ion: 62 Resp: 11573
Ion Ratio Lower Upper
62 100
64 29.9 25.1 37.7





#5
Bromomethane
Concen: 2.732 ug/l
RT: 2.858 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

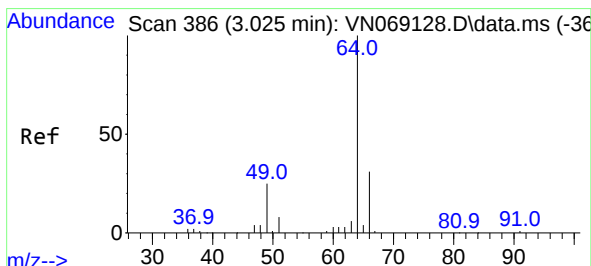
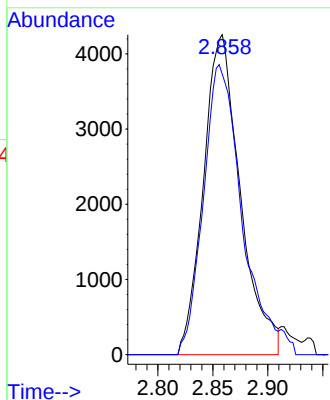
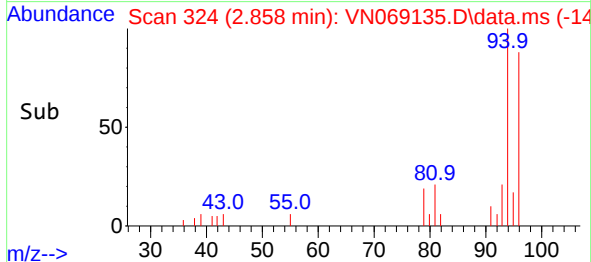
Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



Tgt Ion: 94 Resp: 993
Ion Ratio Lower Upper
94 100
96 87.7 75.2 112.8

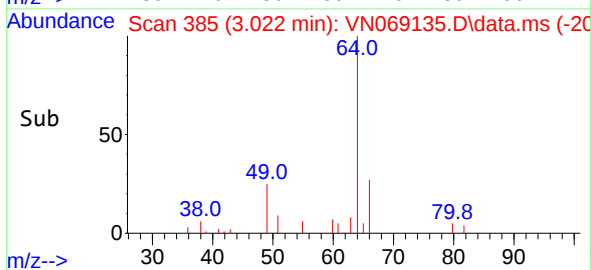
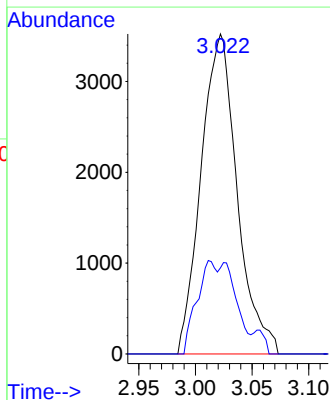
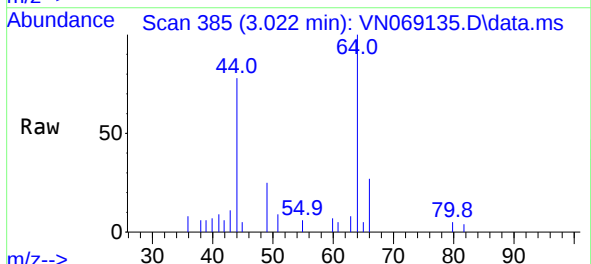
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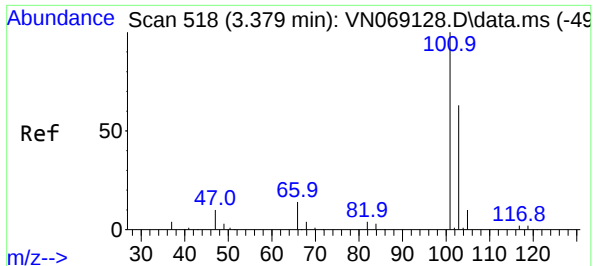
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#6
Chloroethane
Concen: 2.167 ug/l
RT: 3.022 min Scan# 385
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion: 64 Resp: 7790
Ion Ratio Lower Upper
64 100
66 26.9 24.6 36.8





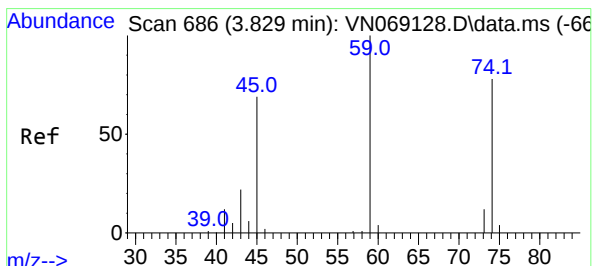
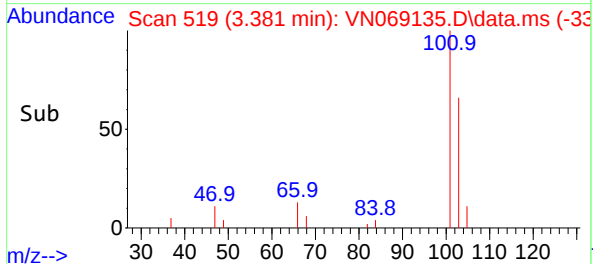
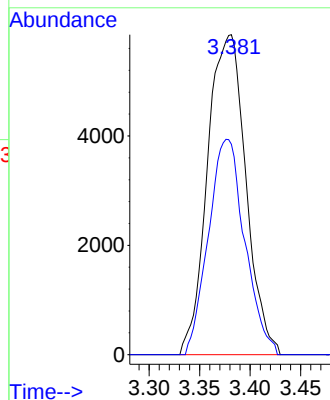
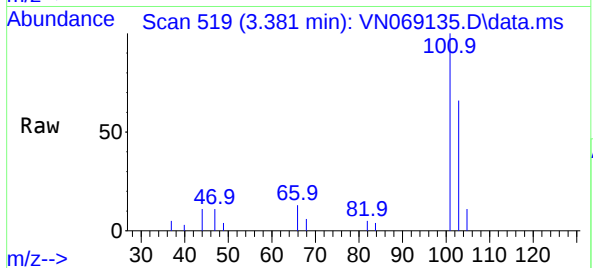
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Trichlorofluoromethane
Concen: 2.152 ug/l
RT: 3.381 min Scan# 518
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
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ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion:101 Resp: 15458
Ion Ratio Lower Upper
101 100
103 65.7 50.1 75.1

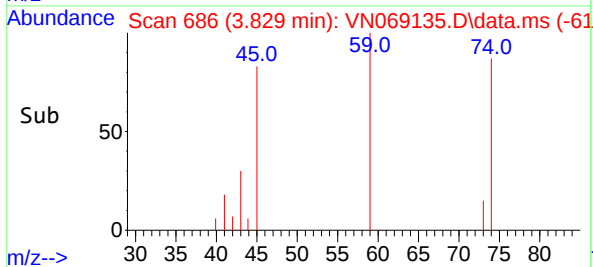
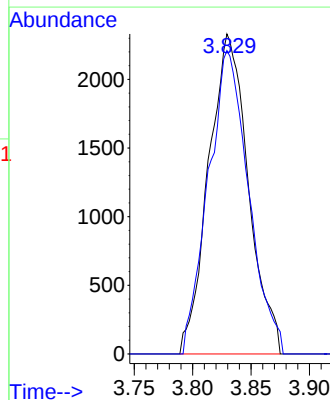
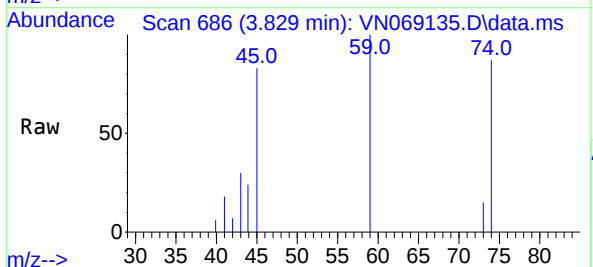
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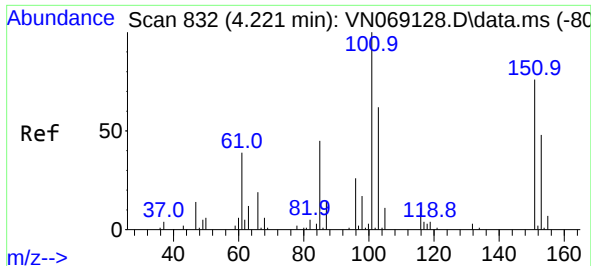
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#8
Diethyl Ether
Concen: 2.168 ug/l
RT: 3.829 min Scan# 686
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion: 74 Resp: 5512
Ion Ratio Lower Upper
74 100
45 96.1 17.6 158.8





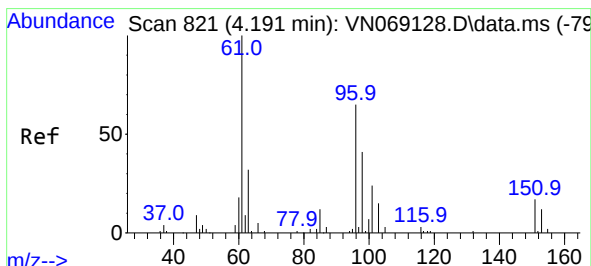
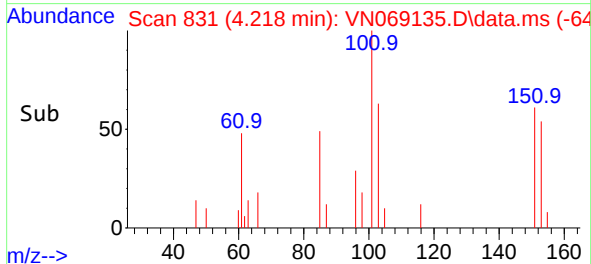
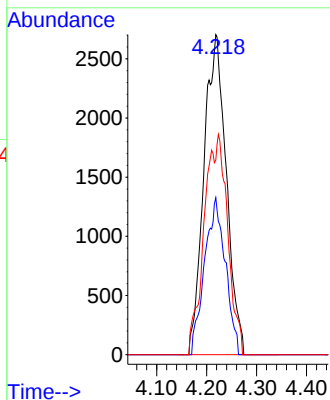
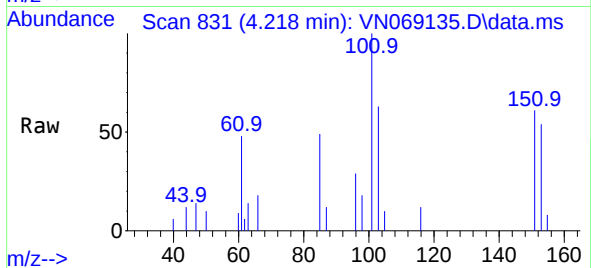
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1,1,2-Trichlorotrifluoroethane
Concen: 2.155 ug/l m
RT: 4.218 min Scan# 832
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion:101 Resp: 840
Ion Ratio Lower Upper
101 100
85 18.1 0.0 94.0
151 34.4 0.0 74.6

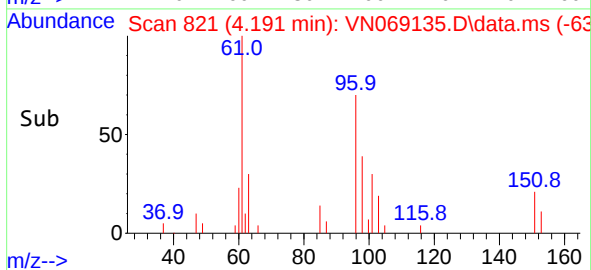
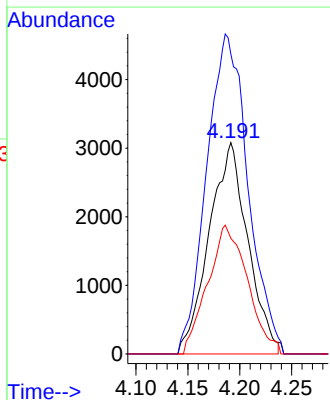
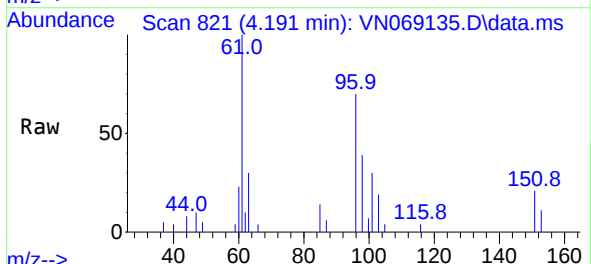
Manual Integrations
APPROVED

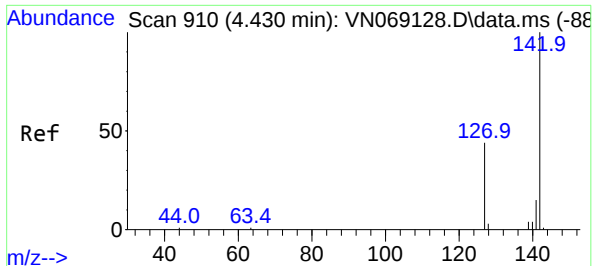
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#10
1,1-Dichloroethene
Concen: 2.095 ug/l
RT: 4.191 min Scan# 821
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

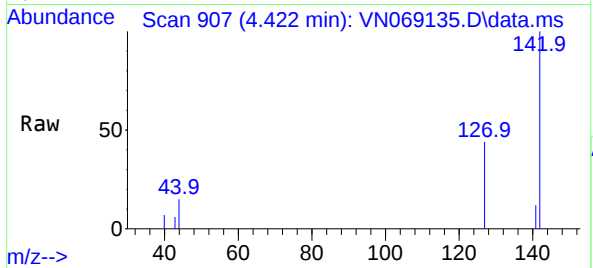
Tgt Ion: 96 Resp: 7976
Ion Ratio Lower Upper
96 100
61 141.9 126.2 189.4
98 54.7 50.9 76.3





#11
Methyl Iodide
Concen: 1.558 ug/l
RT: 4.422 min Scan# 907
Delta R.T. -0.008 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

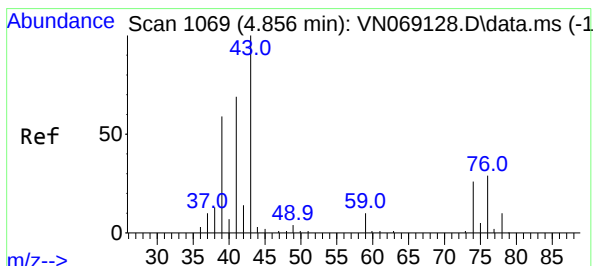
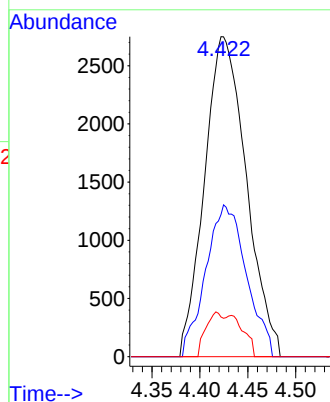
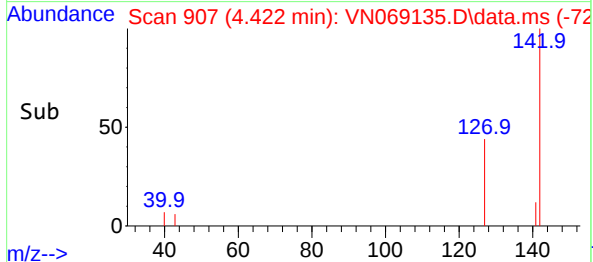
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



Tgt Ion:142 Resp: 833
Ion Ratio Lower Upper
142 100
127 44.4 24.0 72.0
141 12.4 8.4 25.2

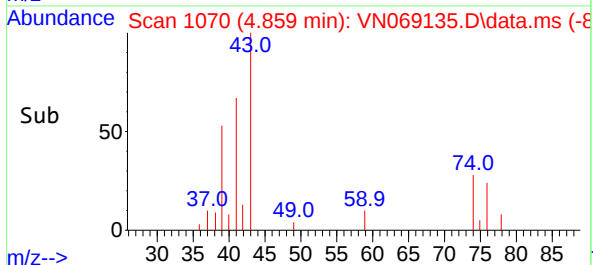
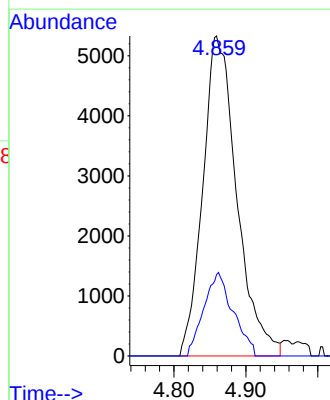
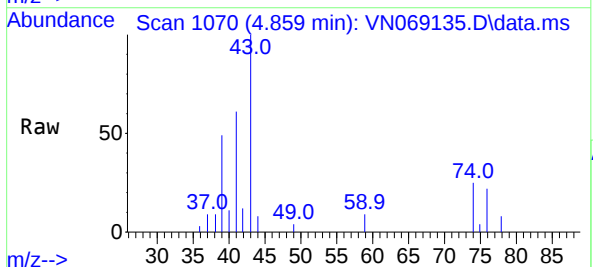
Manual Integrations
APPROVED

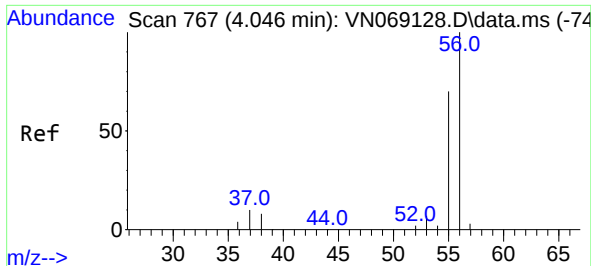
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#12
Methyl Acetate
Concen: 2.412 ug/l
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

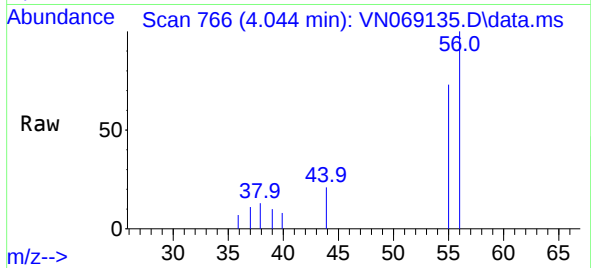
Tgt Ion: 43 Resp: 17484
Ion Ratio Lower Upper
43 100
74 25.9 20.8 31.2





#13
Acrolein
Concen: 15.074 ug/l
RT: 4.044 min Scan# 767
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

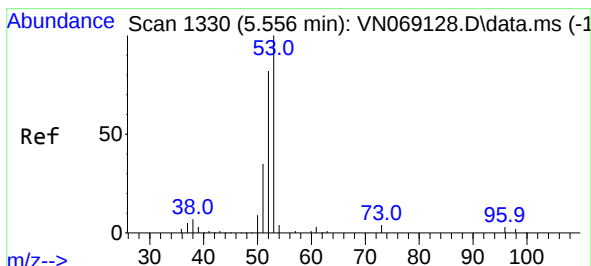
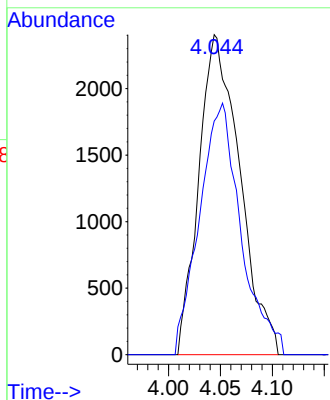
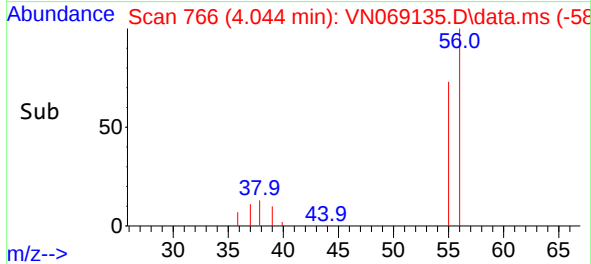
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



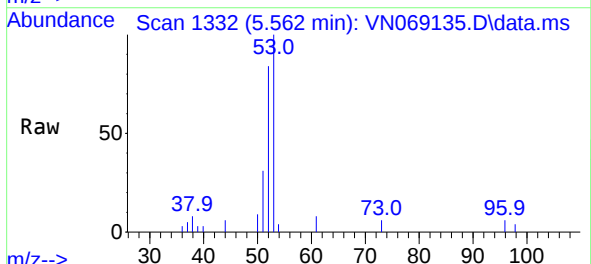
Tgt Ion: 56 Resp: 6584
Ion Ratio Lower Upper
56 100
55 78.6 57.6 86.4

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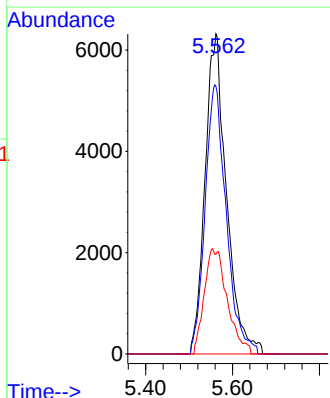
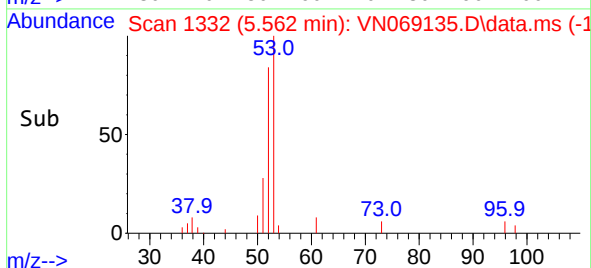
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

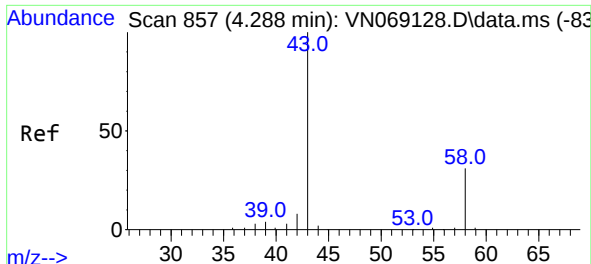


#14
Acrylonitrile
Concen: 10.513 ug/l m
RT: 5.562 min Scan# 1332
Delta R.T. 0.005 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion: 53 Resp: 21626
Ion Ratio Lower Upper
53 100
52 0.0 41.8 125.4#
51 0.0 19.0 57.0#





#15

Acetone

Concen: 8.789 ug/l

RT: 4.291 min Scan# 858

Delta R.T. 0.003 min

Lab File: VN069135.D

Acq: 22 Oct 2021 15:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 58 Resp: 565

Ion Ratio Lower Upper

58 100

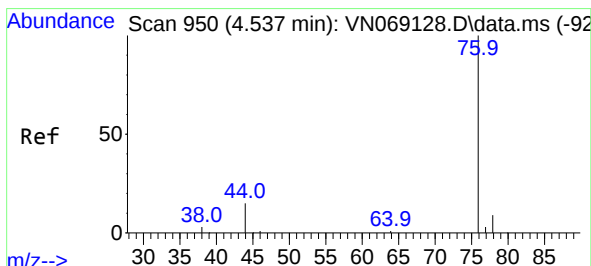
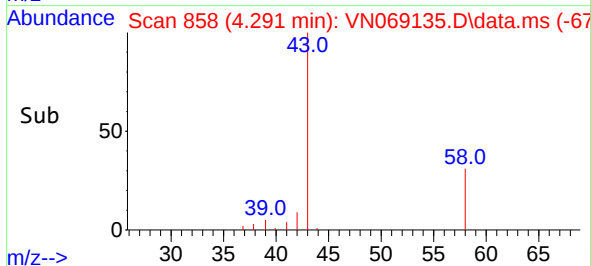
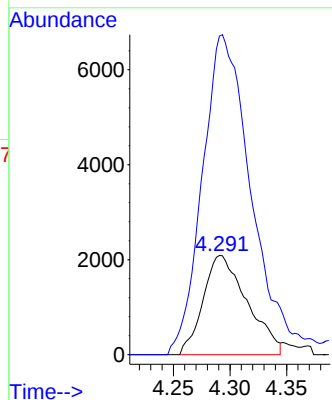
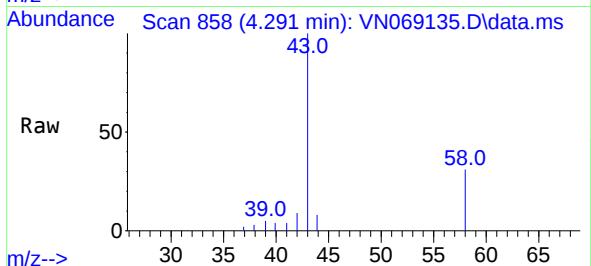
43 296.2 256.6 384.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#16

Carbon Disulfide

Concen: 2.033 ug/l

RT: 4.535 min Scan# 949

Delta R.T. -0.003 min

Lab File: VN069135.D

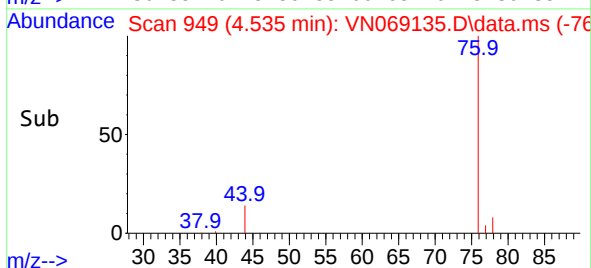
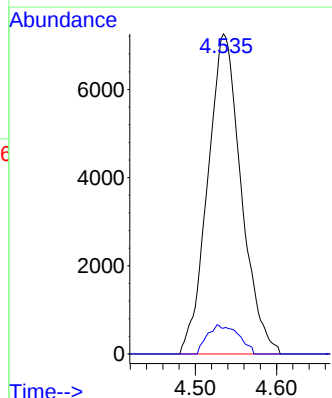
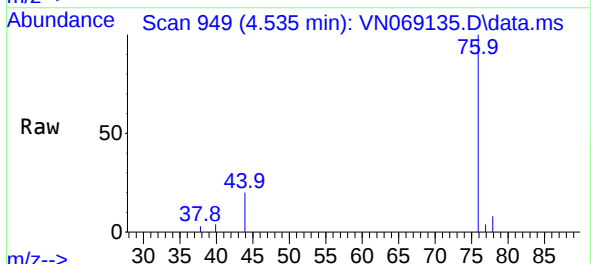
Acq: 22 Oct 2021 15:06

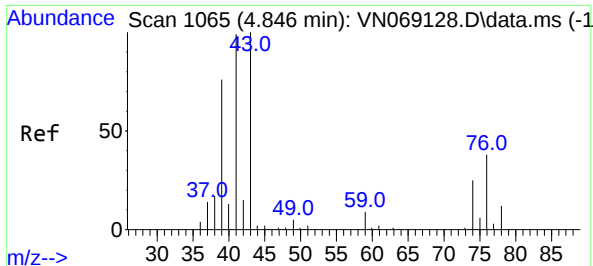
Tgt Ion: 76 Resp: 20796

Ion Ratio Lower Upper

76 100

78 8.0 7.8 11.8





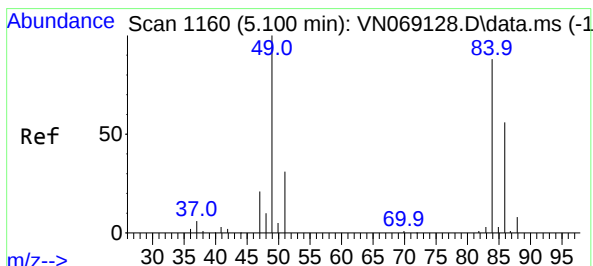
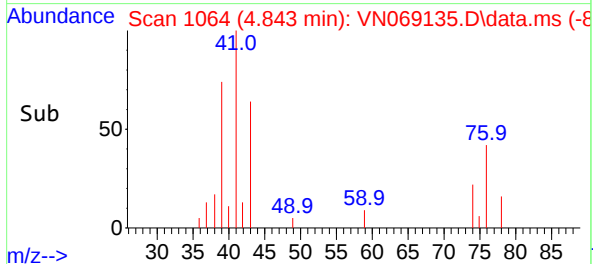
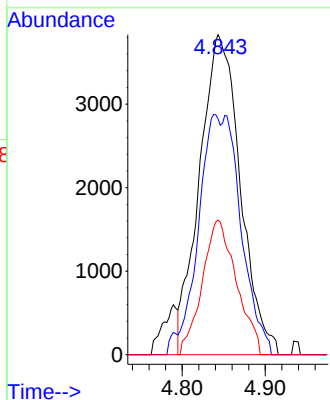
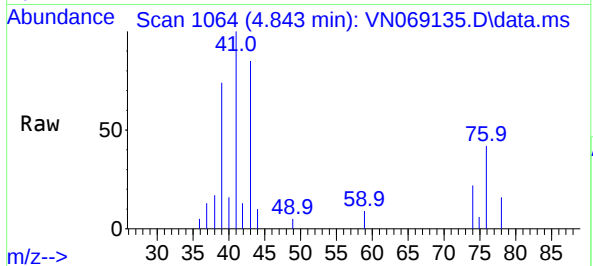
#17
 Allyl chloride
 Concen: 1.993 ug/l
 RT: 4.843 min Scan# 1064
 Delta R.T. -0.003 min
 Lab File: VN069135.D
 Acq: 22 Oct 2021 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 41 Resp: 13064
 Ion Ratio Lower Upper
 41 100
 39 73.7 44.6 134.0
 76 42.0 19.6 58.7

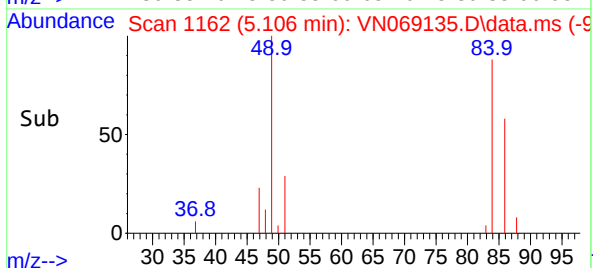
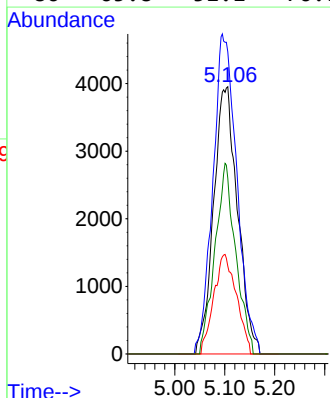
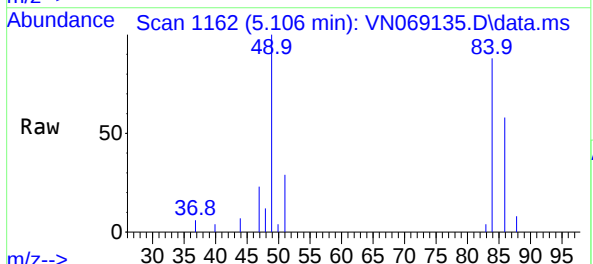
Manual Integrations
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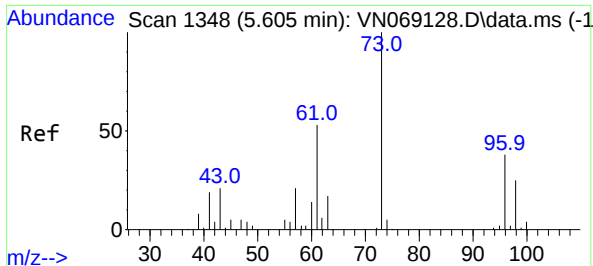
Reviewed By :John Carlone 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021



#18
 Methylene Chloride
 Concen: 2.911 ug/l m
 RT: 5.106 min Scan# 1162
 Delta R.T. 0.005 min
 Lab File: VN069135.D
 Acq: 22 Oct 2021 15:06

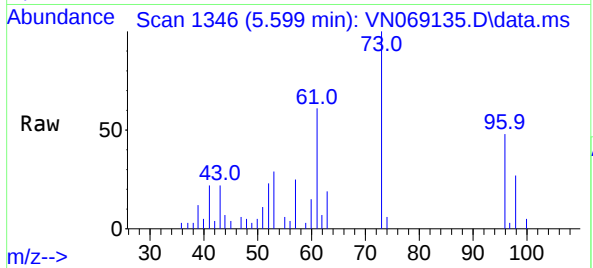
Tgt Ion: 84 Resp: 13166
 Ion Ratio Lower Upper
 84 100
 49 113.1 91.4 137.0
 51 32.9 29.4 44.0
 86 65.8 51.1 76.7





trans-1,2-Dichloroethene
Concen: 2.102 ug/l
RT: 5.599 min Scan# 11
Delta R.T. -0.005 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

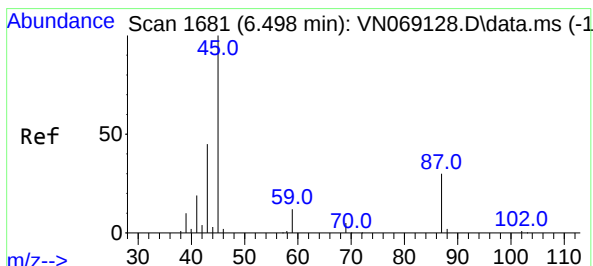
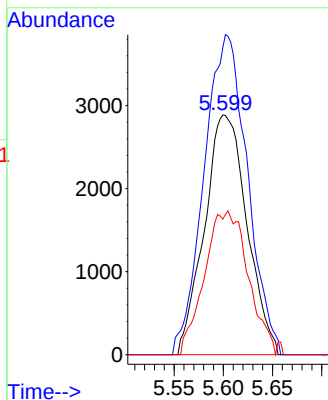
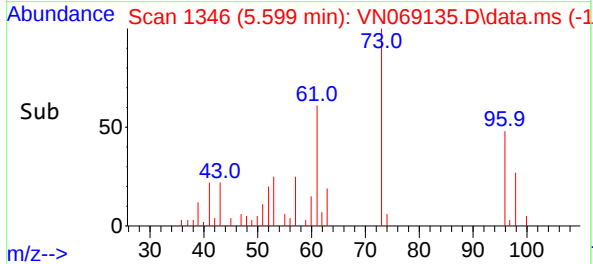
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2021



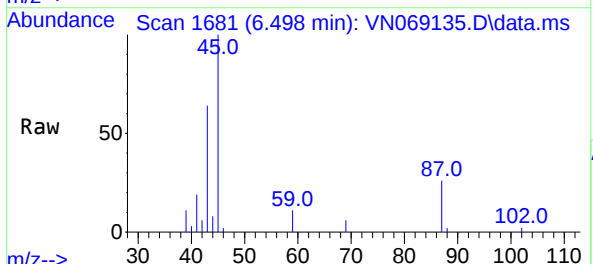
Tgt Ion: 96 Resp: 868
Ion Ratio Lower Upper
96 100
61 122.1 102.8 154.2
98 56.5 49.3 73.9

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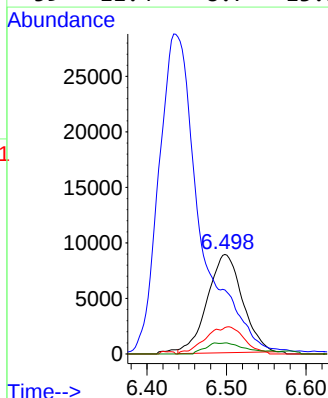
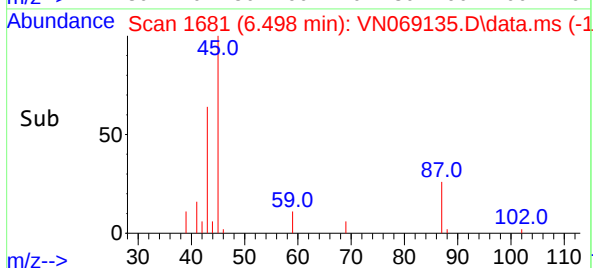
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

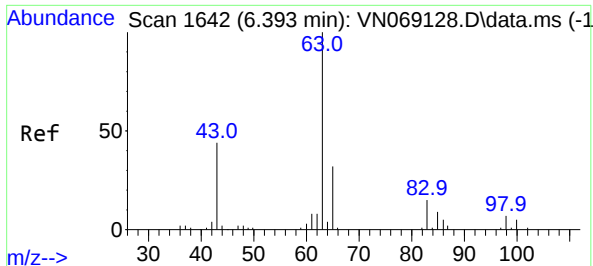


Diisopropyl ether
Concen: 1.942 ug/l
RT: 6.498 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion: 45 Resp: 27197
Ion Ratio Lower Upper
45 100
43 60.8 51.0 76.4
87 27.1 25.0 37.4
59 11.4 8.7 13.1





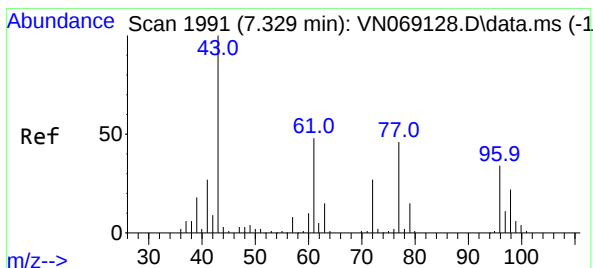
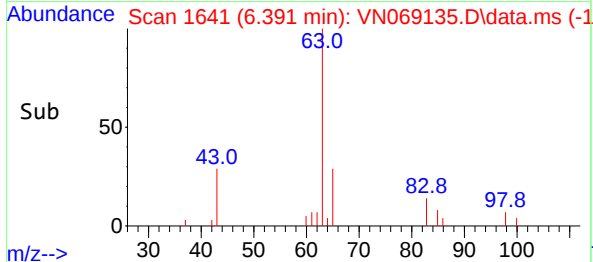
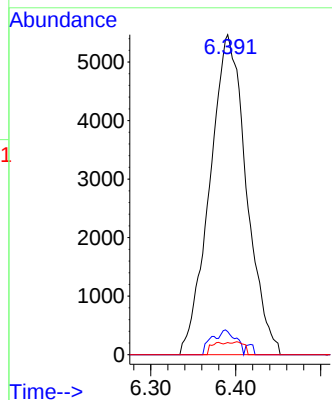
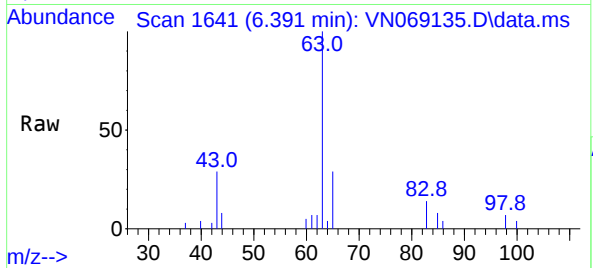
#21
1,1-Dichloroethane
Concen: 2.097 ug/l
RT: 6.391 min Scan# 1638
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 63 Resp: 1638
Ion Ratio Lower Upper
63 100
98 7.2 3.2 9.6
100 3.8 2.1 6.2

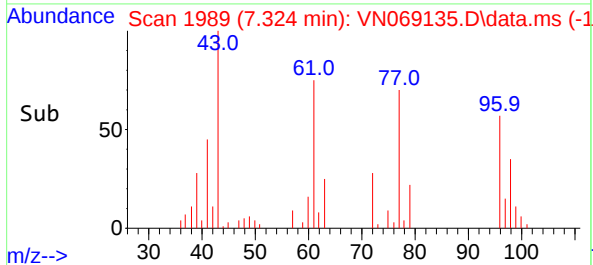
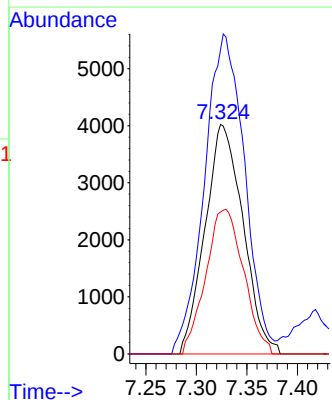
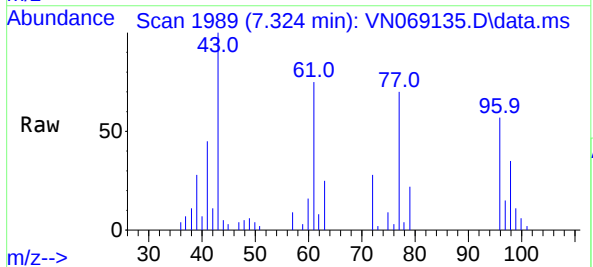
Manual Integrations
APPROVED

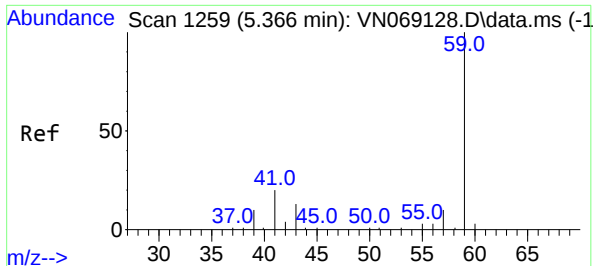
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#22
cis-1,2-Dichloroethene
Concen: 2.123 ug/l
RT: 7.324 min Scan# 1989
Delta R.T. -0.005 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion: 96 Resp: 10520
Ion Ratio Lower Upper
96 100
61 147.0 115.7 173.5
98 62.7 51.6 77.4





#23

tert-Butyl Alcohol

Concen: 10.226 ug/l m

RT: 5.361 min Scan# 1259

Delta R.T. -0.005 min

Lab File: VN069135.D

Acq: 22 Oct 2021 15:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 59 Resp: 863

Ion Ratio Lower Upper

59 100

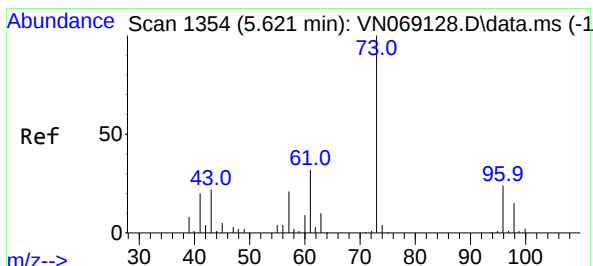
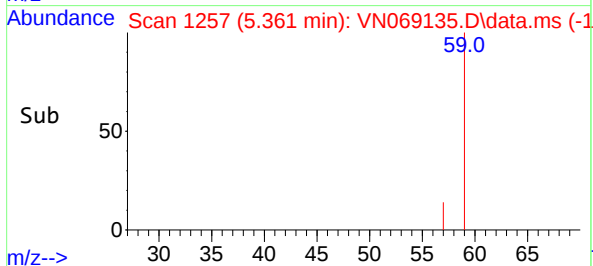
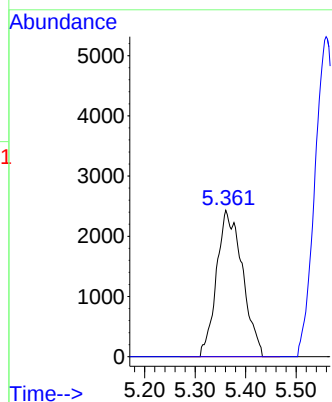
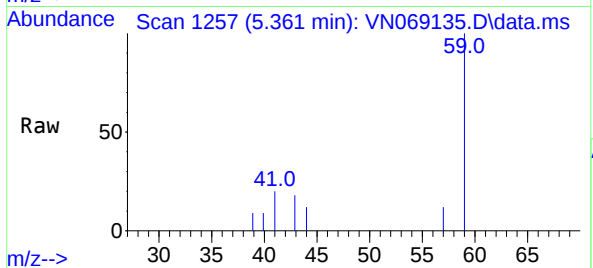
52 0.0 0.0 0.0

Manual Integrations

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Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#24

Methyl tert-Butyl Ether

Concen: 2.052 ug/l

RT: 5.621 min Scan# 1354

Delta R.T. 0.000 min

Lab File: VN069135.D

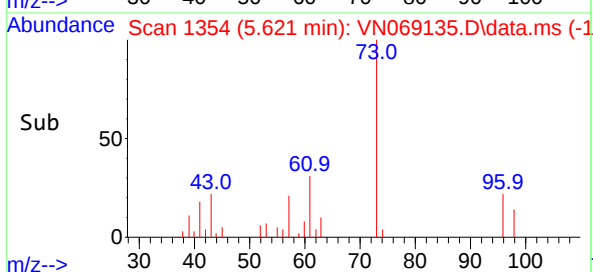
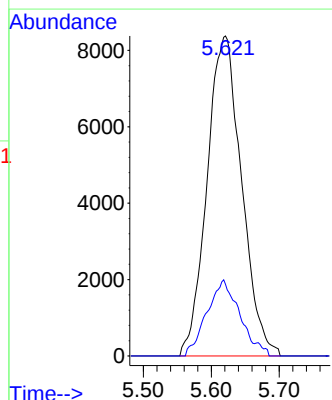
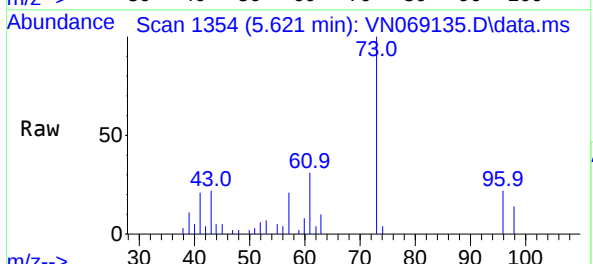
Acq: 22 Oct 2021 15:06

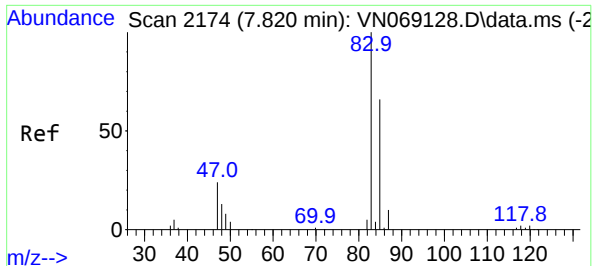
Tgt Ion: 73 Resp: 29623

Ion Ratio Lower Upper

73 100

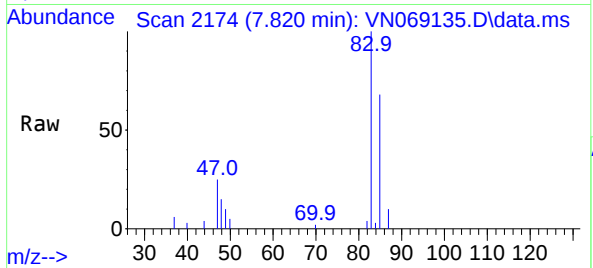
43 21.8 18.1 27.1





#25
Chloroform
Concen: 2.083 ug/l
RT: 7.820 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

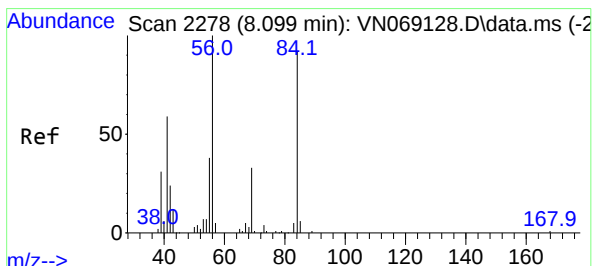
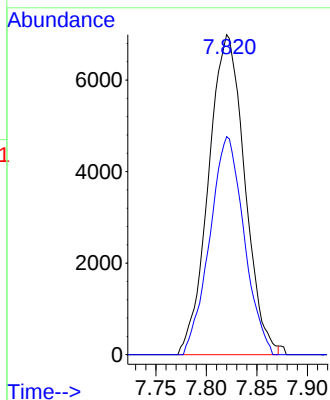
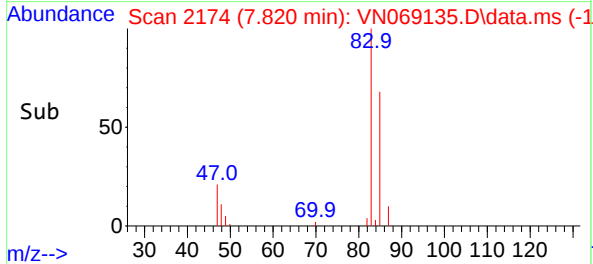
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



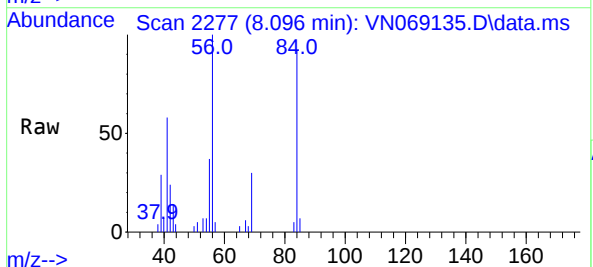
Tgt Ion: 83 Resp: 17400
Ion Ratio Lower Upper
83 100
85 68.1 51.3 76.9

Manual Integrations
APPROVED

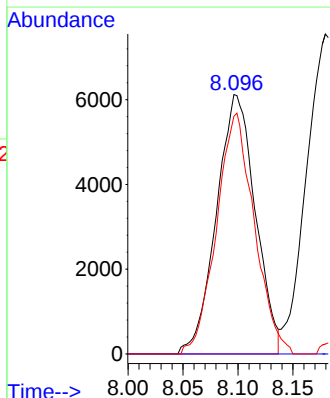
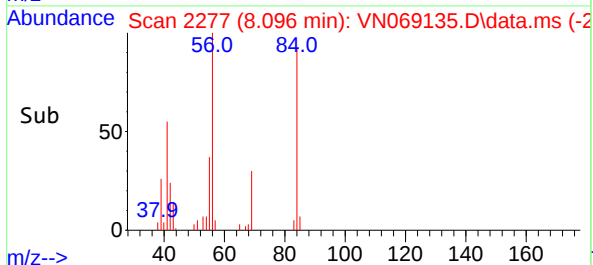
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

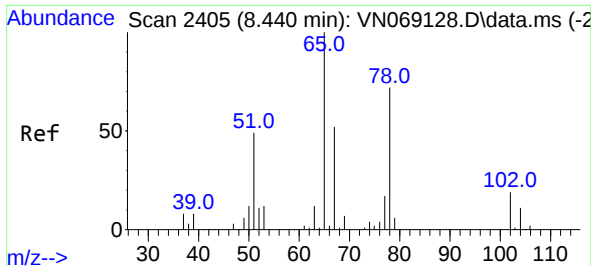


#26
Cyclohexane
Concen: 2.090 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



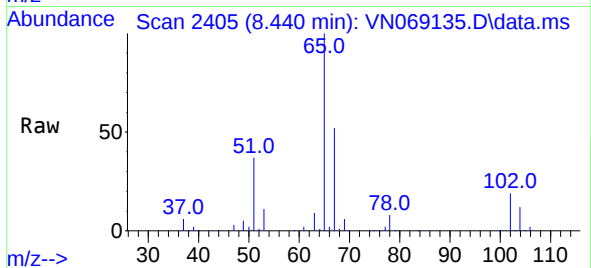
Tgt Ion: 56 Resp: 15044
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 90.2 74.6 111.8





#27
1,2-Dichloroethane-d4
Concen: 31.477 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

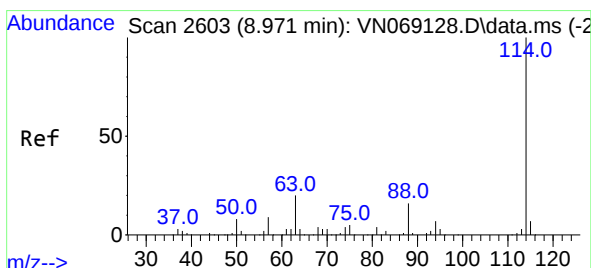
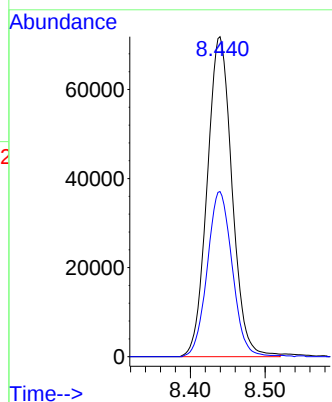
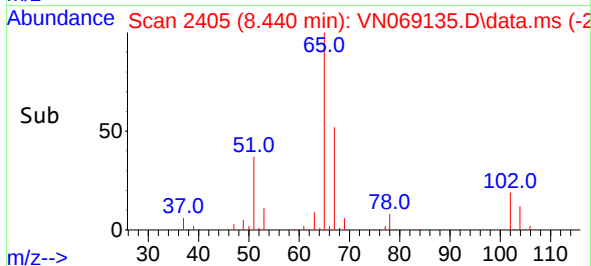
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



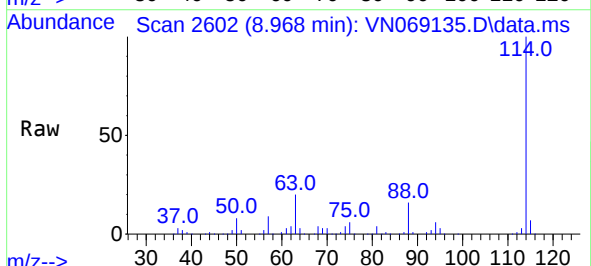
Tgt Ion: 65 Resp: 165939
Ion Ratio Lower Upper
65 100
67 51.6 40.2 60.2

Manual Integrations
APPROVED

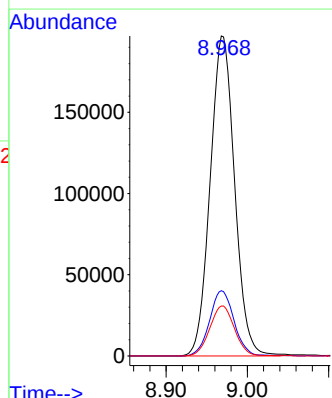
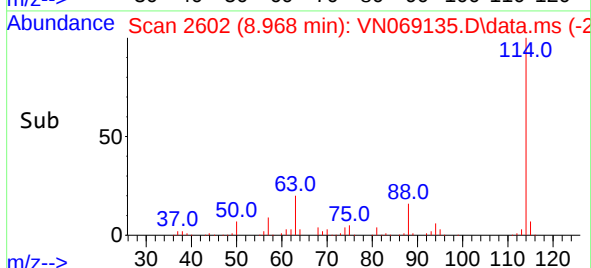
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

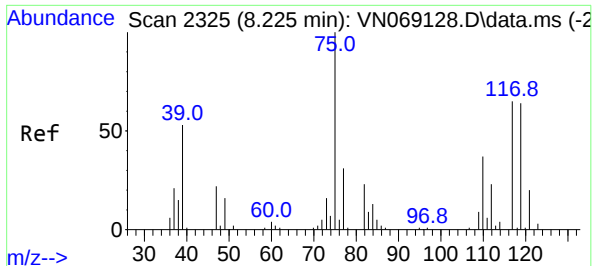


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion:114 Resp: 411619
Ion Ratio Lower Upper
114 100
63 20.5 15.8 23.6
88 15.8 11.6 17.4





#29

1,1-Dichloropropene

Concen: 1.931 ug/l

RT: 8.225 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN069135.D

Acq: 22 Oct 2021 15:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 75 Resp: 12508

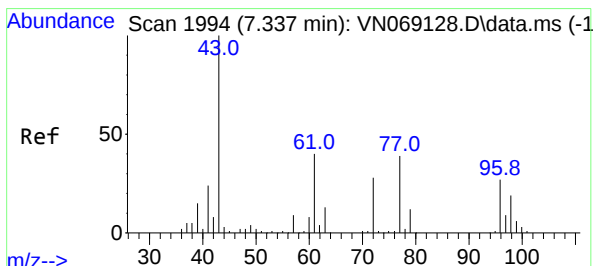
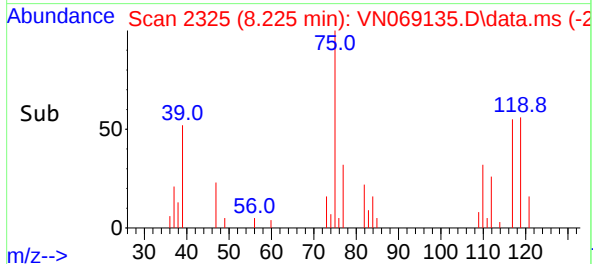
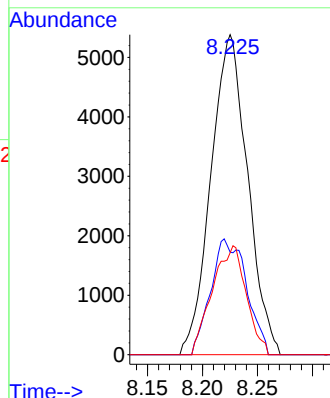
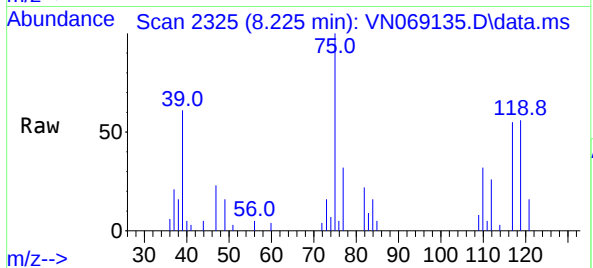
Ion	Ratio	Lower	Upper
75	100		
110	21.7	0.0	74.2
77	2.2	0.0	63.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#30

2-Butanone

Concen: 9.658 ug/l

RT: 7.337 min Scan# 1994

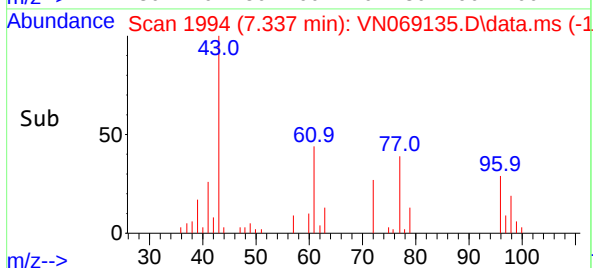
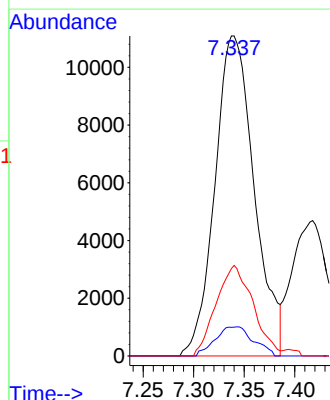
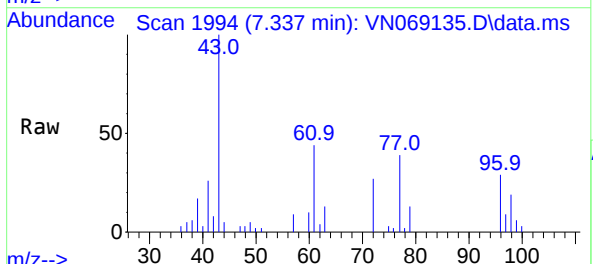
Delta R.T. 0.000 min

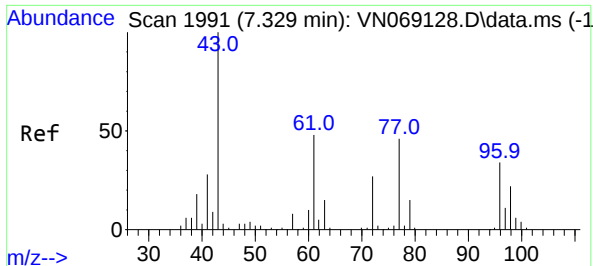
Lab File: VN069135.D

Acq: 22 Oct 2021 15:06

Tgt Ion: 43 Resp: 30039

Ion	Ratio	Lower	Upper
43	100		
57	4.0	6.7	10.1#
72	26.5	23.2	34.8





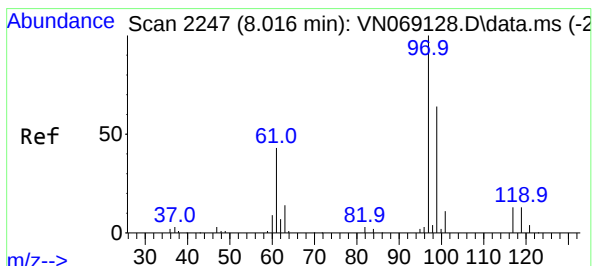
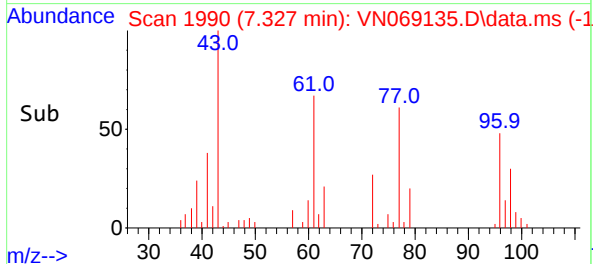
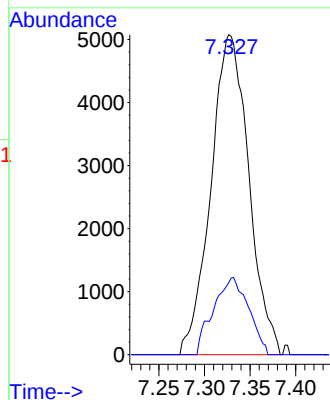
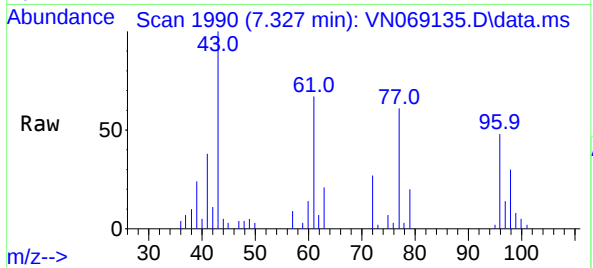
#31
2,2-Dichloropropane
Concen: 1.892 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 77 Resp: 14679
Ion Ratio Lower Upper
77 100
97 19.9 18.3 27.5

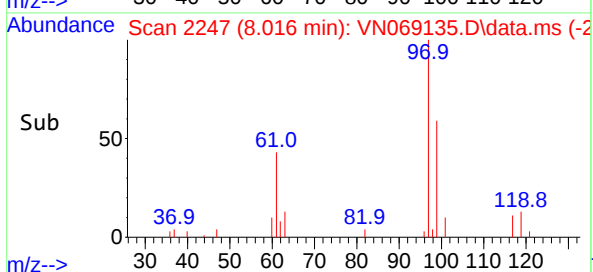
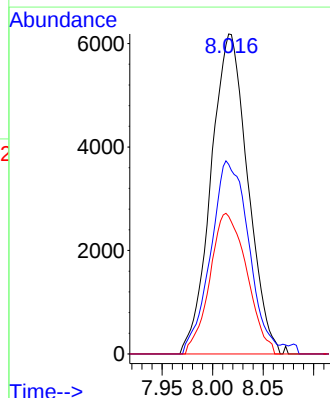
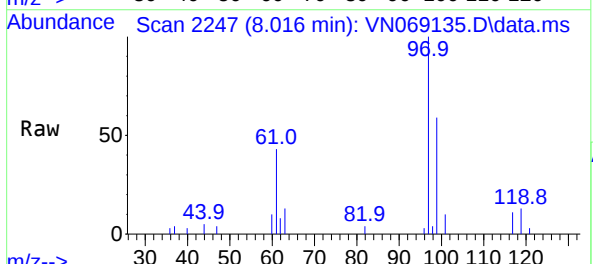
Manual Integrations
APPROVED

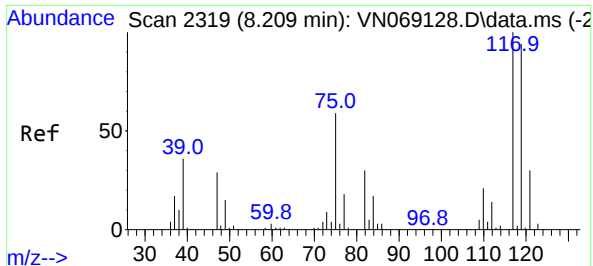
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#32
1,1,1-Trichloroethane
Concen: 1.936 ug/l
RT: 8.016 min Scan# 2247
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

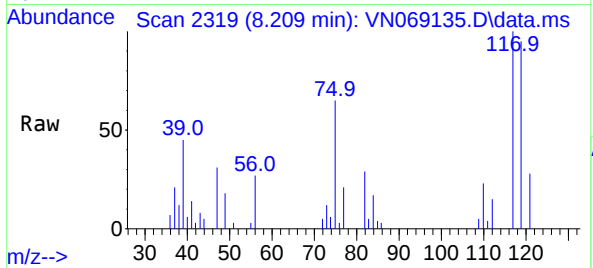
Tgt Ion: 97 Resp: 15605
Ion Ratio Lower Upper
97 100
99 62.5 50.4 75.6
61 44.2 34.6 51.8





#33
Carbon Tetrachloride
Concen: 1.820 ug/l
RT: 8.209 min Scan# 2117
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

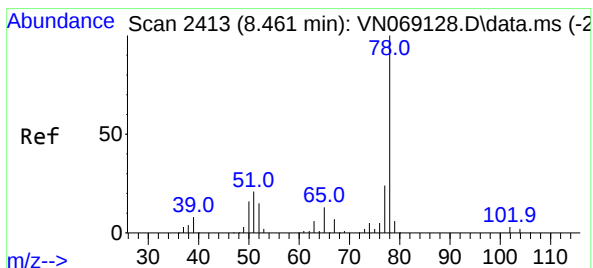
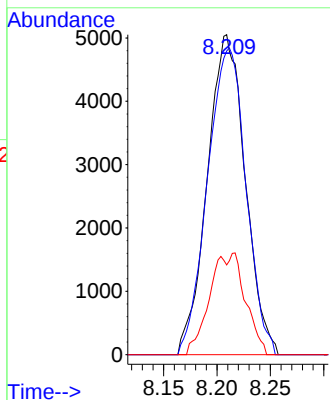
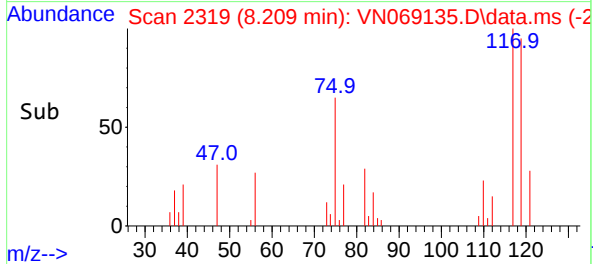
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



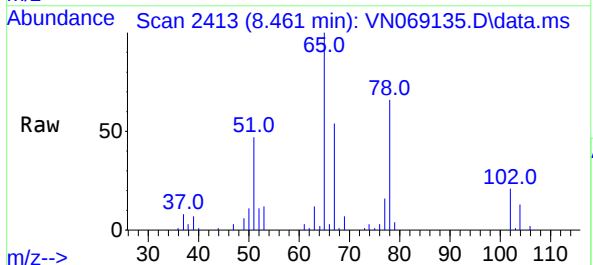
Tgt Ion: 117 Resp: 12459
Ion Ratio Lower Upper
117 100
119 94.9 77.5 116.3
121 28.1 23.5 35.3

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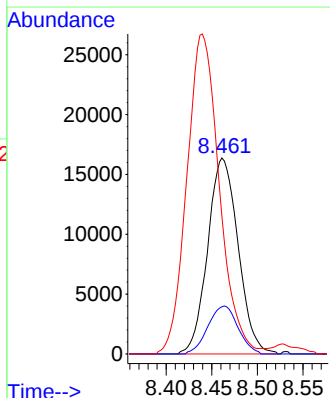
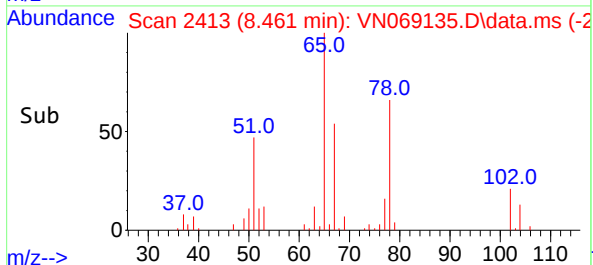
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

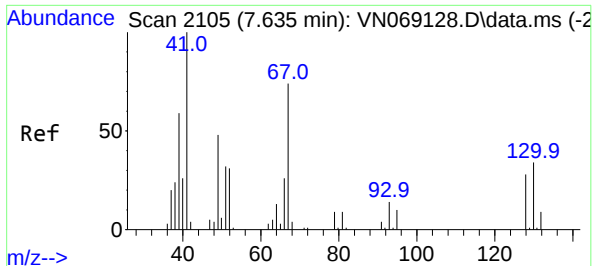


#34
Benzene
Concen: 1.969 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



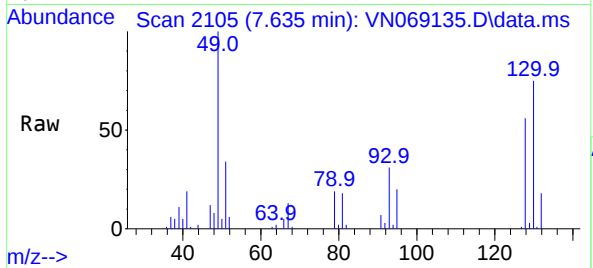
Tgt Ion: 78 Resp: 38086
Ion Ratio Lower Upper
78 100
77 24.1 19.1 28.7
51 65.7 16.0 24.0#





#35
Methacrylonitrile
Concen: 1.918 ug/l
RT: 7.635 min Scan# 2105
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

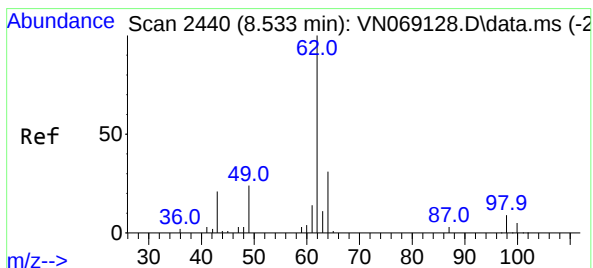
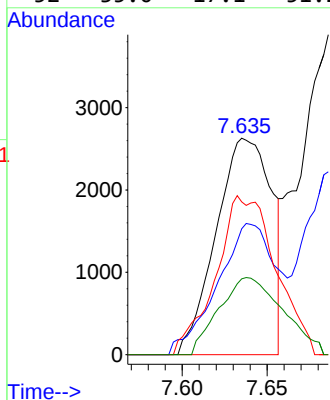
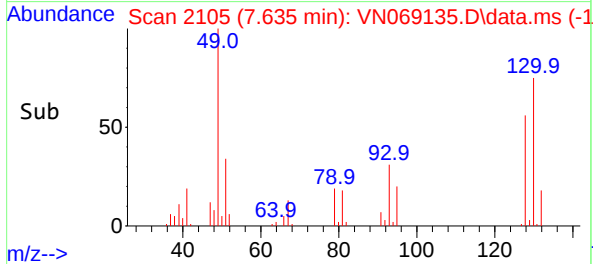
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



Tgt Ion: 41 Resp: 5940
Ion Ratio Lower Upper
41 100
39 51.2 28.0 83.9
67 64.3 37.7 113.1
52 35.0 17.1 51.2

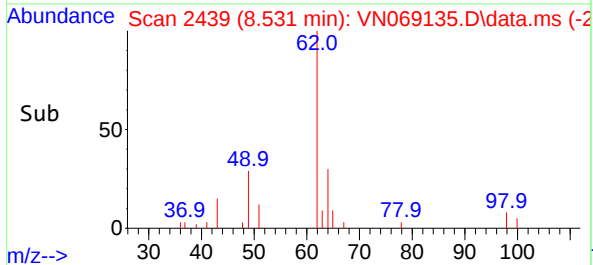
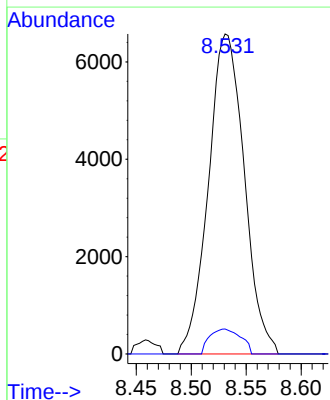
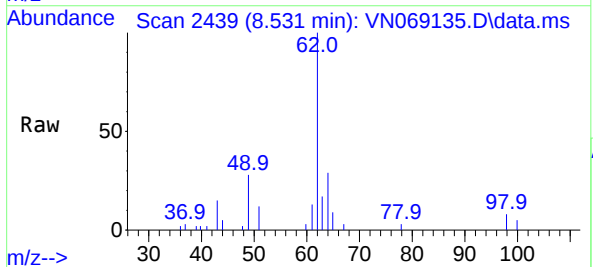
Manual Integrations
APPROVED

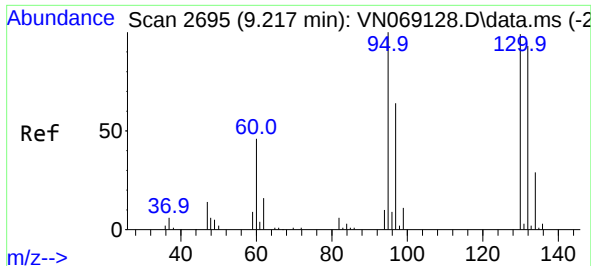
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#36
1,2-Dichloroethane
Concen: 2.135 ug/l
RT: 8.531 min Scan# 2439
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

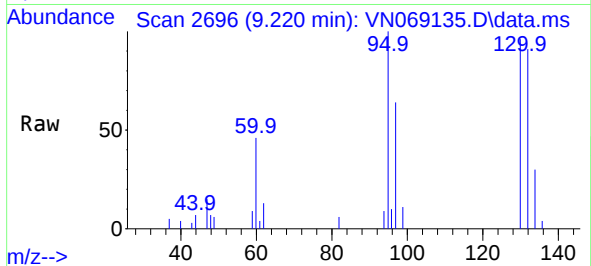
Tgt Ion: 62 Resp: 14906
Ion Ratio Lower Upper
62 100
98 6.8 6.6 10.0





#37
Trichloroethene
Concen: 1.980 ug/l
RT: 9.220 min Scan# 2695
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

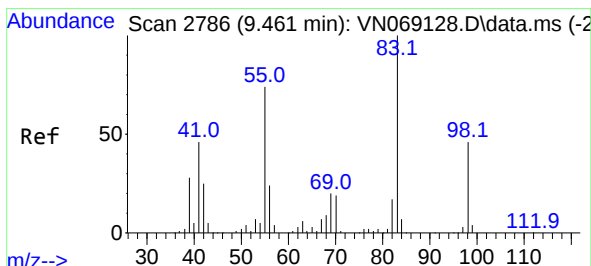
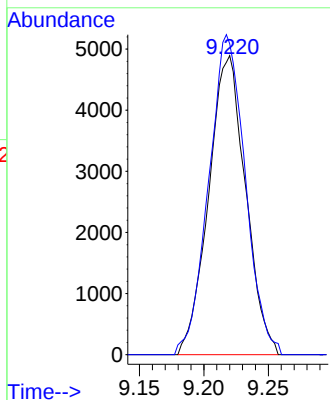
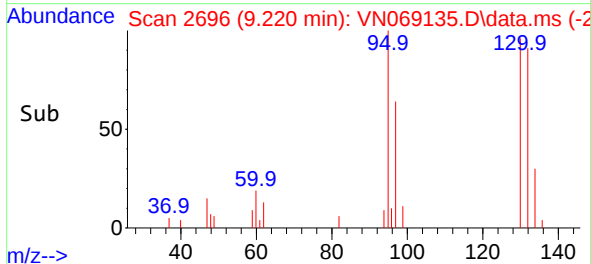
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



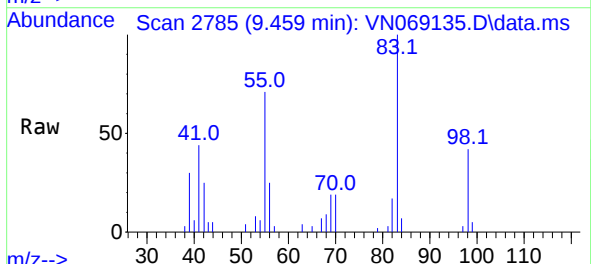
Tgt Ion:130 Resp: 974
Ion Ratio Lower Upper
130 100
95 100.7 76.6 115.0

Manual Integrations
APPROVED

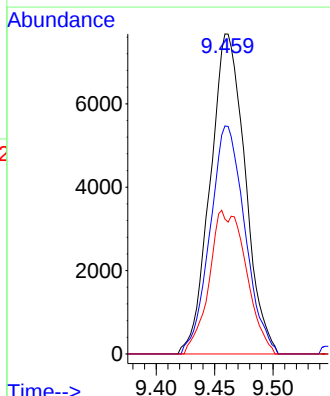
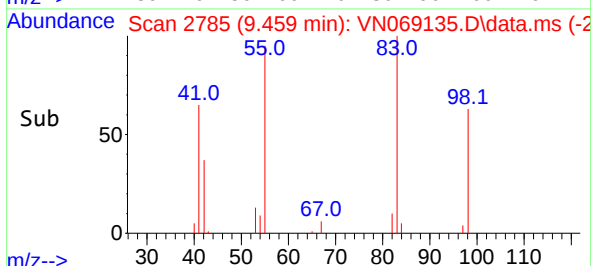
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

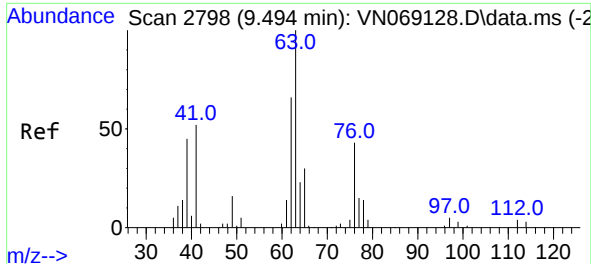


#38
Methylcyclohexane
Concen: 1.933 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



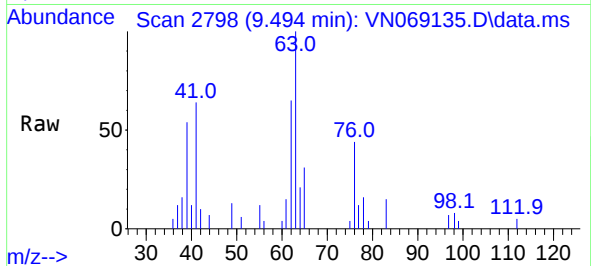
Tgt Ion: 83 Resp: 15937
Ion Ratio Lower Upper
83 100
55 71.3 35.1 105.3
98 24.9 23.4 70.2





#39
1,2-Dichloropropane
Concen: 1.944 ug/l
RT: 9.494 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

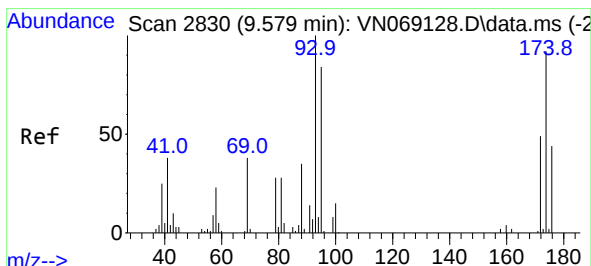
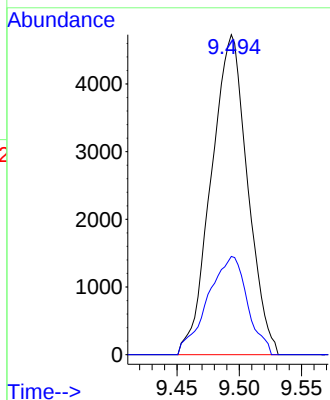
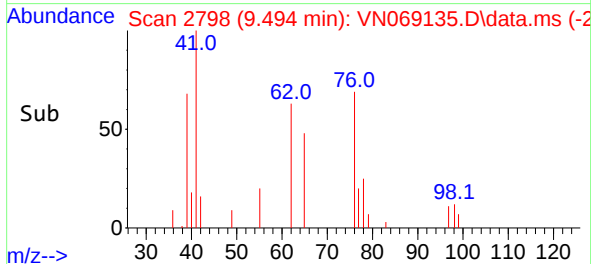
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



Tgt Ion: 63 Resp: 9590
Ion Ratio Lower Upper
63 100
65 30.7 24.2 36.4

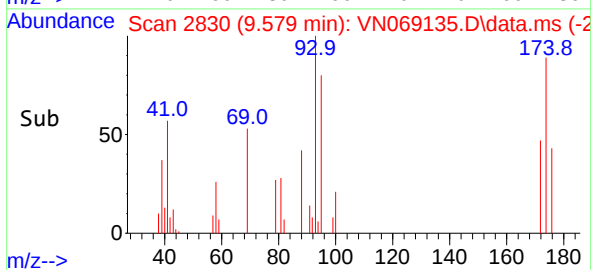
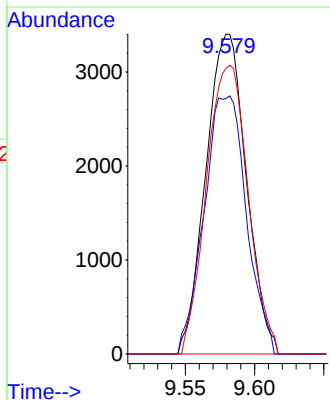
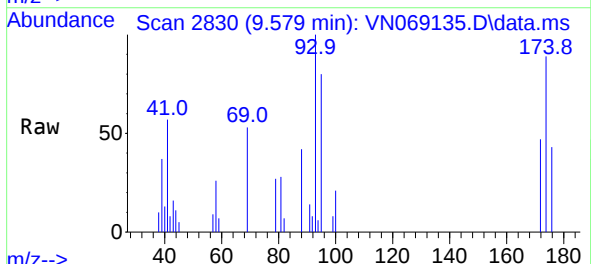
Manual Integrations
APPROVED

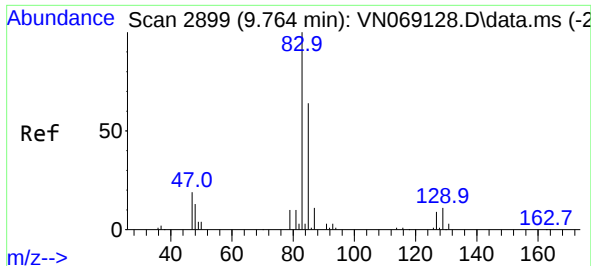
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#40
Dibromomethane
Concen: 2.005 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion: 93 Resp: 6915
Ion Ratio Lower Upper
93 100
95 40.1 0.0 168.8
174 93.0 0.0 173.6





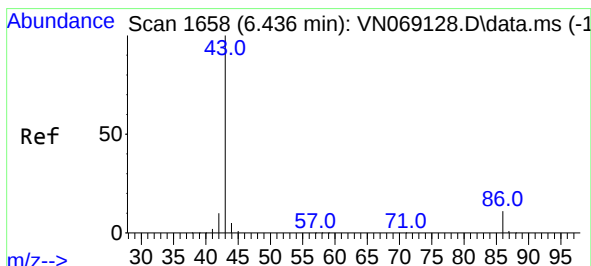
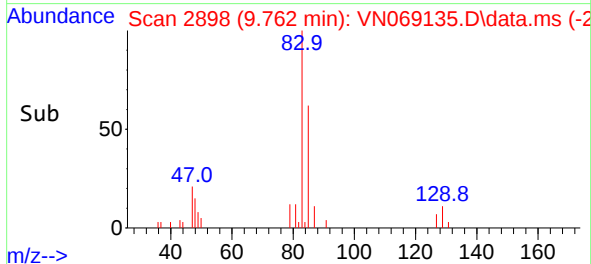
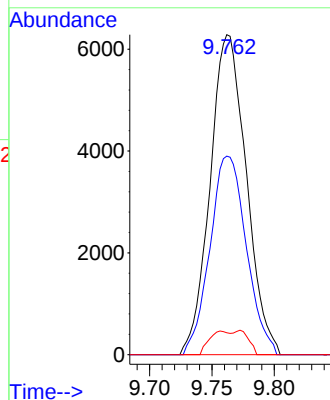
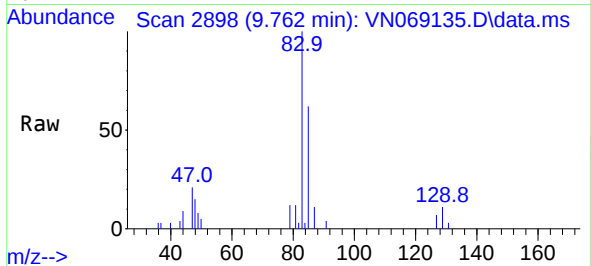
#41
Bromodichloromethane
Concen: 1.842 ug/l
RT: 9.762 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 83 Resp: 1269
Ion Ratio Lower Upper
83 100
85 62.0 54.1 81.1
127 6.8 7.6 11.4

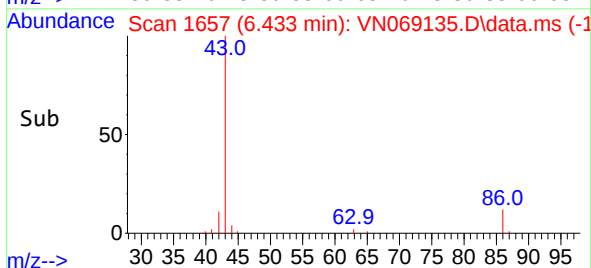
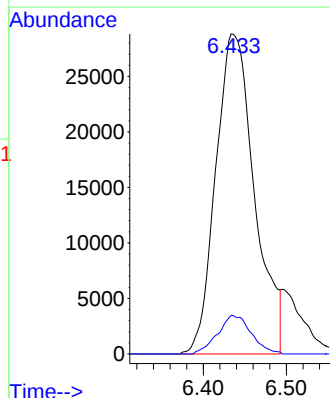
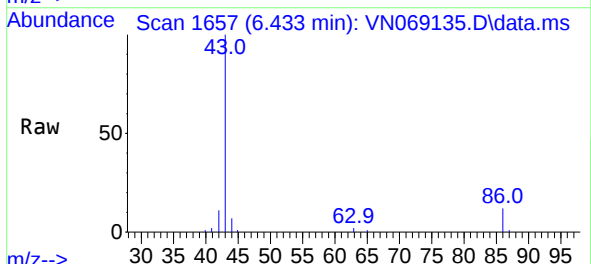
Manual Integrations
APPROVED

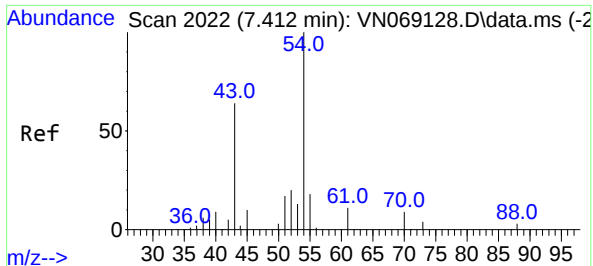
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#42
Vinyl Acetate
Concen: 8.431 ug/l
RT: 6.433 min Scan# 1657
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

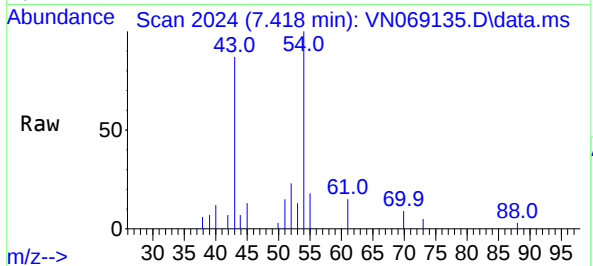
Tgt Ion: 43 Resp: 93568
Ion Ratio Lower Upper
43 100
86 6.3 7.5 11.3





#43
Ethyl Acetate
Concen: 1.758 ug/l
RT: 7.418 min Scan# 2022
Delta R.T. 0.005 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

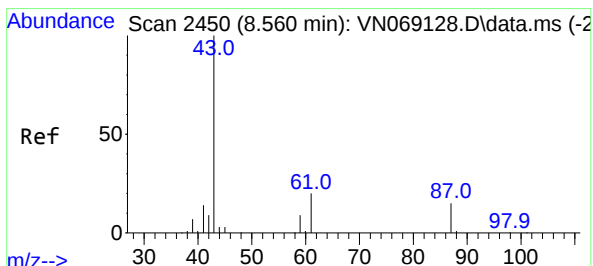
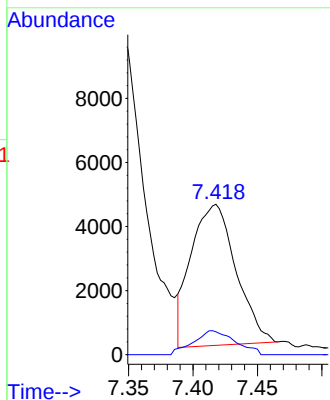
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2021



Tgt Ion: 43 Resp: 10664
Ion Ratio Lower Upper
43 100
45 15.8 10.6 16.0

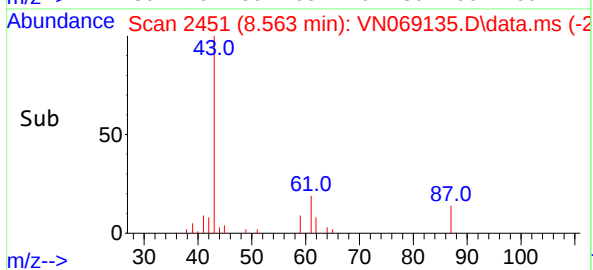
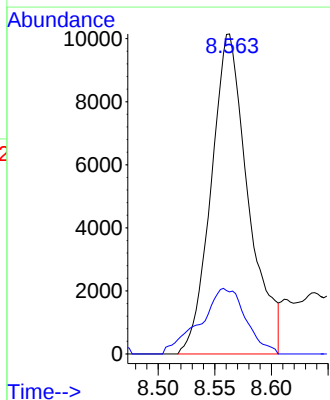
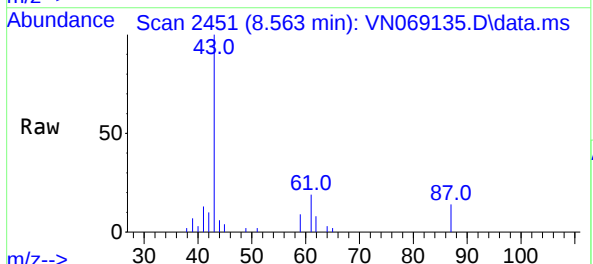
Manual Integrations
APPROVED

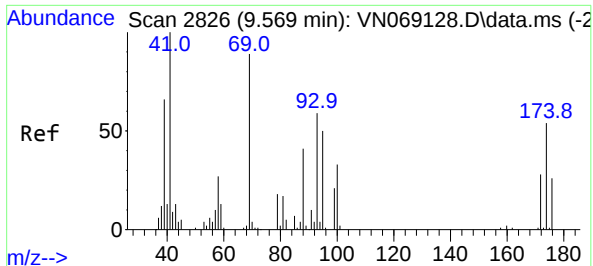
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#44
Isopropyl Acetate
Concen: 2.054 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

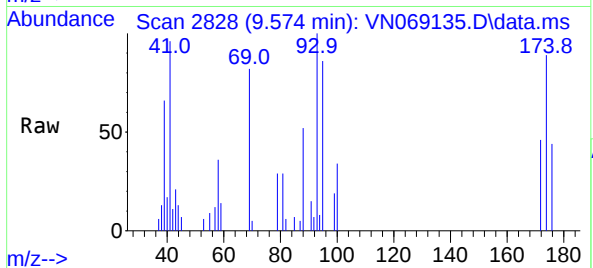
Tgt Ion: 43 Resp: 23076
Ion Ratio Lower Upper
43 100
61 16.4 20.1 30.1#





#45
1,4-Dioxane
Concen: 38.014 ug/l
RT: 9.574 min Scan# 2826
Delta R.T. 0.005 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

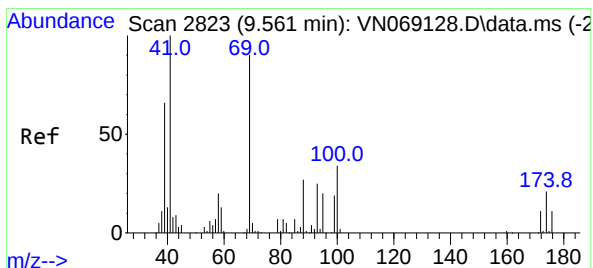
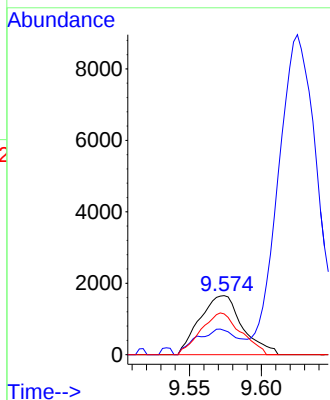
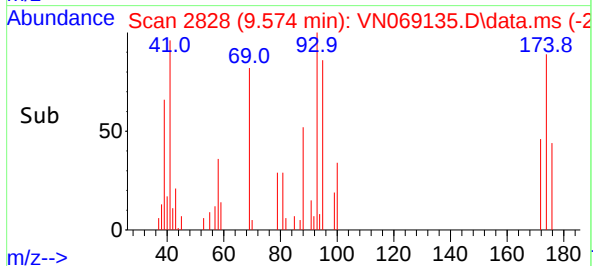
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



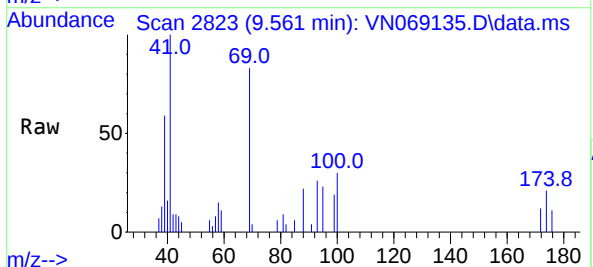
Tgt Ion: 88 Resp: 3418
Ion Ratio Lower Upper
88 100
43 19.3 25.0 37.6
58 65.9 49.4 74.2

Manual Integrations
APPROVED

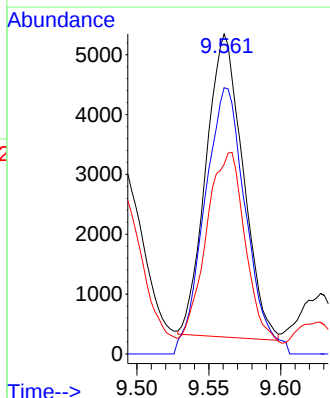
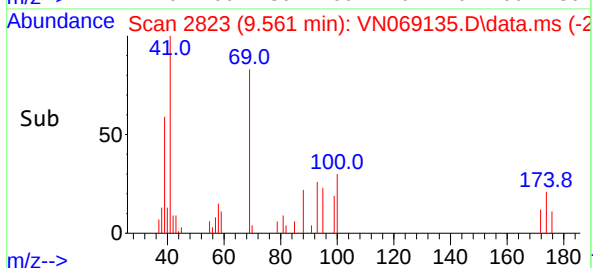
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

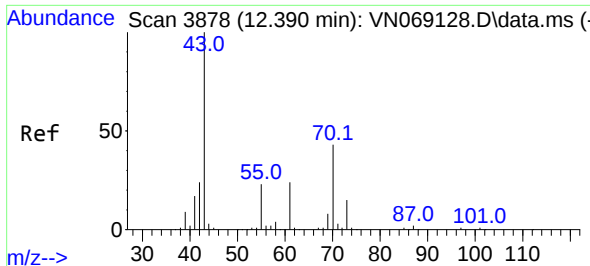


#46
Methyl methacrylate
Concen: 1.778 ug/l
RT: 9.561 min Scan# 2823
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion: 41 Resp: 9032
Ion Ratio Lower Upper
41 100
69 84.2 44.4 133.2
39 59.0 39.9 119.6





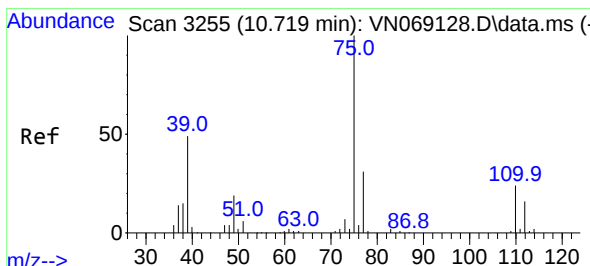
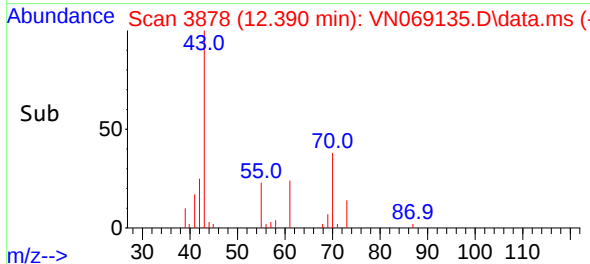
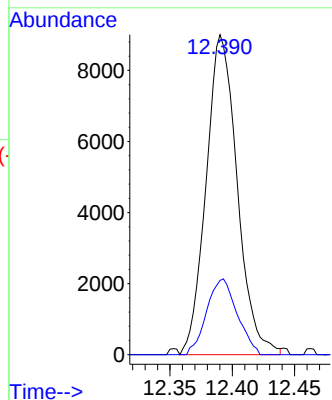
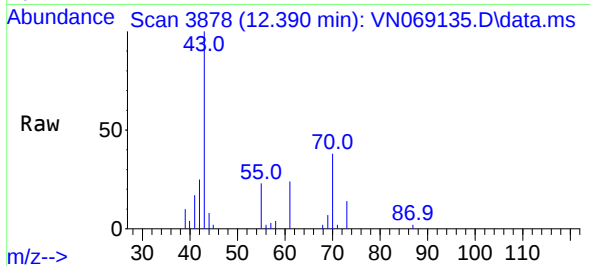
#47
n-amyl acetate
Concen: 1.642 ug/l
RT: 12.390 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 43 Resp: 1565
Ion Ratio Lower Upper
43 100
55 23.1 19.0 28.6

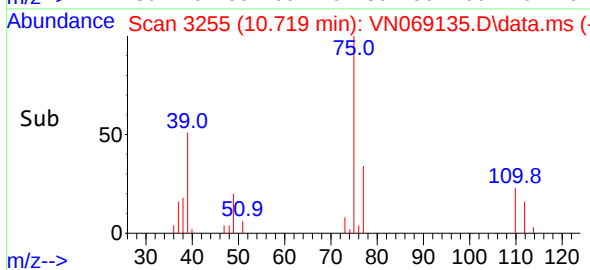
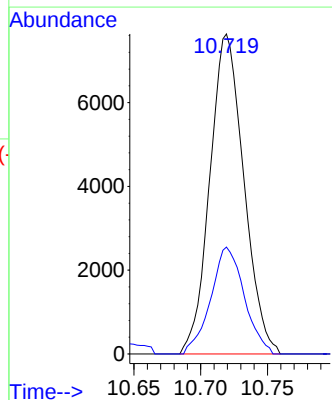
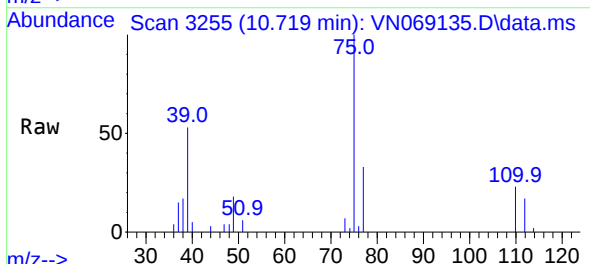
Manual Integrations
APPROVED

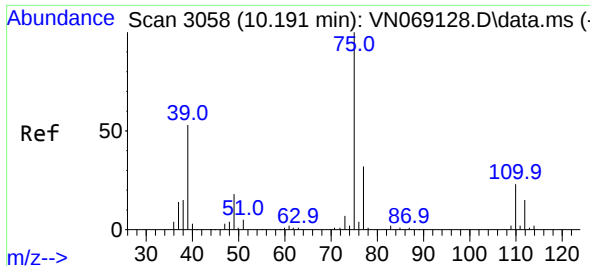
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#48
t-1,3-Dichloropropene
Concen: 1.697 ug/l
RT: 10.719 min Scan# 3255
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

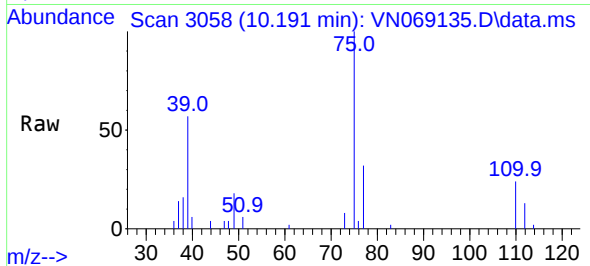
Tgt Ion: 75 Resp: 13526
Ion Ratio Lower Upper
75 100
77 33.4 25.3 37.9





#49
cis-1,3-Dichloropropene
Concen: 1.797 ug/l
RT: 10.191 min Scan# 3058
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

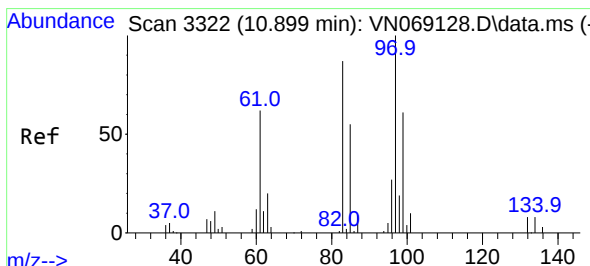
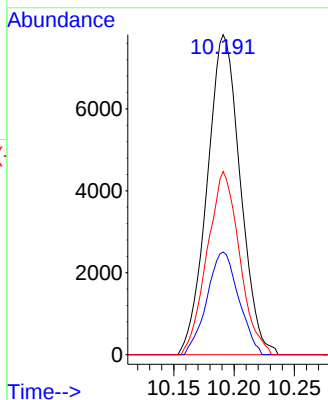
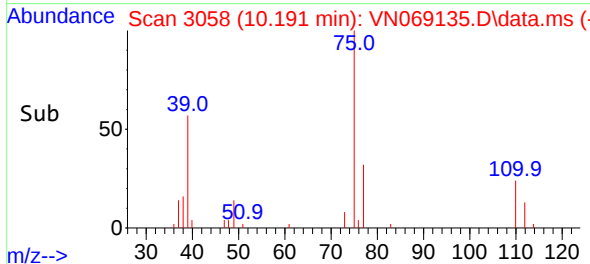
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2021



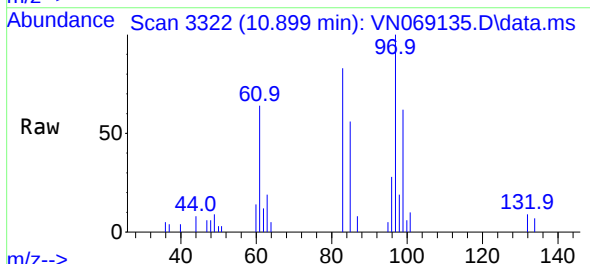
Tgt Ion: 75 Resp: 1491
Ion Ratio Lower Upper
75 100
77 32.1 25.3 37.9
39 57.2 46.2 69.4

Manual Integrations
APPROVED

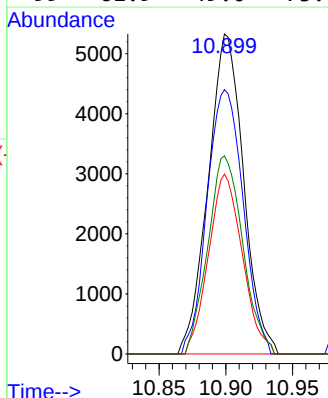
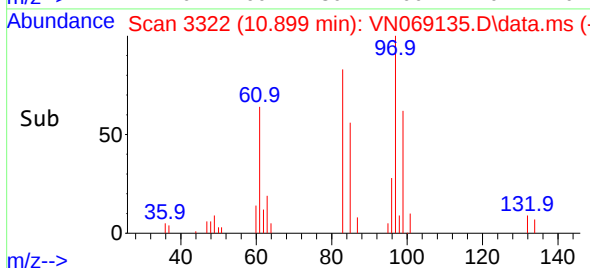
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

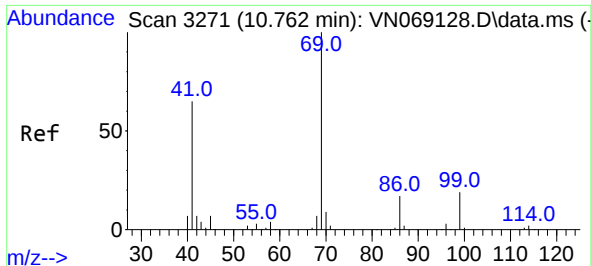


#50
1,1,2-Trichloroethane
Concen: 1.984 ug/l
RT: 10.899 min Scan# 3322
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion: 97 Resp: 9821
Ion Ratio Lower Upper
97 100
83 82.6 67.2 100.8
85 56.2 43.0 64.4
99 61.9 49.0 73.4





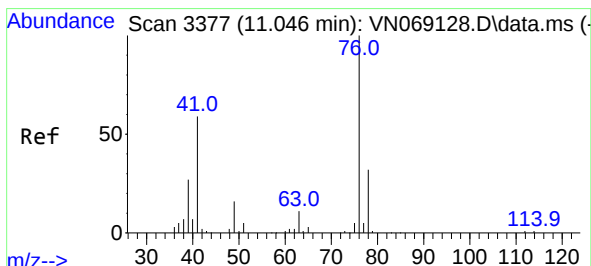
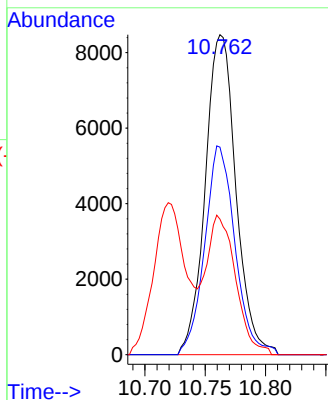
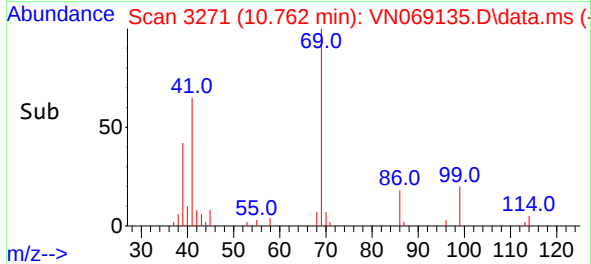
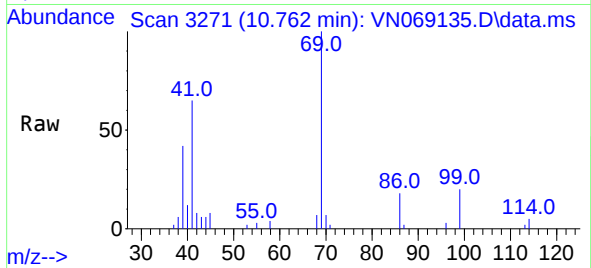
#51
Ethyl methacrylate
Concen: 1.840 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 69 Resp: 1501
Ion Ratio Lower Upper
69 100
41 64.8 33.0 98.9
39 42.3 25.4 76.4

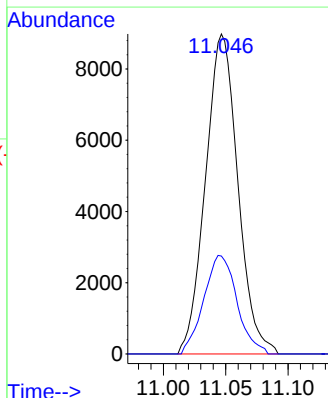
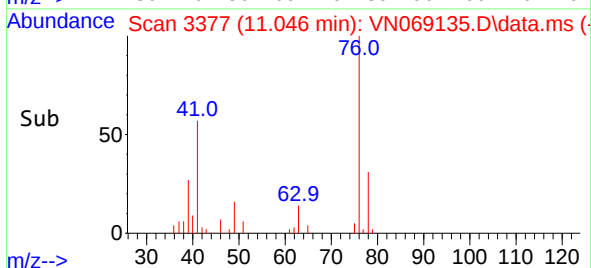
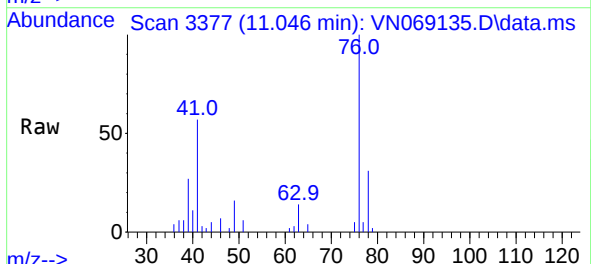
Manual Integrations
APPROVED

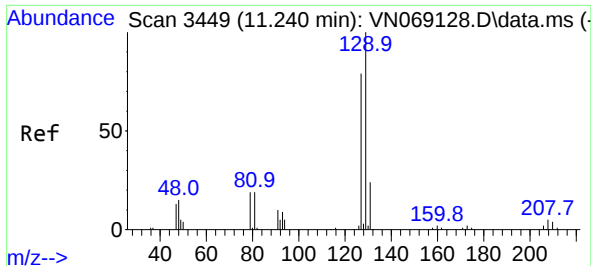
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#52
1,3-Dichloropropane
Concen: 1.950 ug/l
RT: 11.046 min Scan# 3377
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

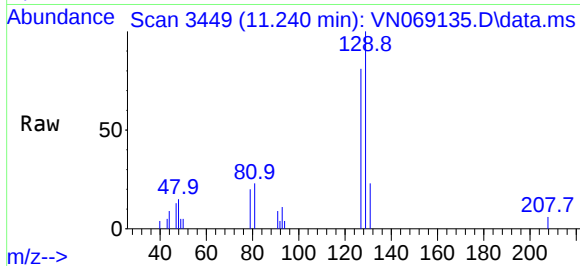
Tgt Ion: 76 Resp: 16237
Ion Ratio Lower Upper
76 100
78 31.6 0.0 65.4





#53
Dibromochloromethane
Concen: 1.670 ug/l
RT: 11.240 min Scan# 3449
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

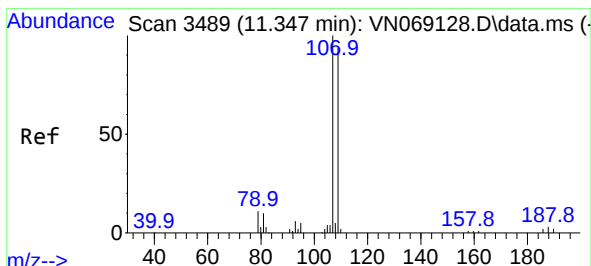
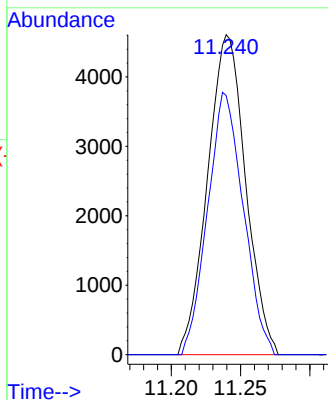
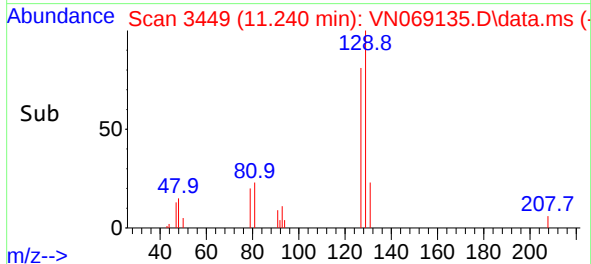
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



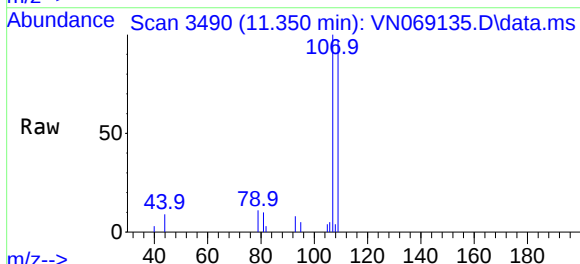
Tgt Ion:129 Resp: 8825
Ion Ratio Lower Upper
129 100
127 76.8 39.0 117.0

Manual Integrations
APPROVED

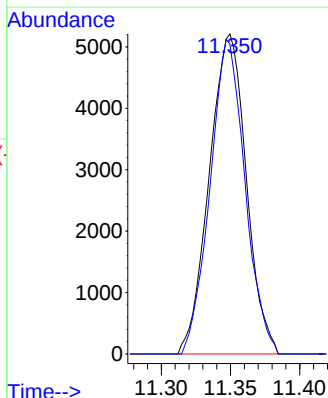
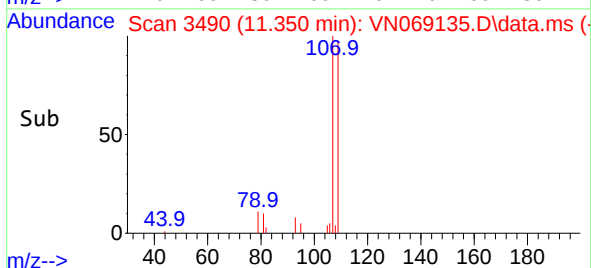
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

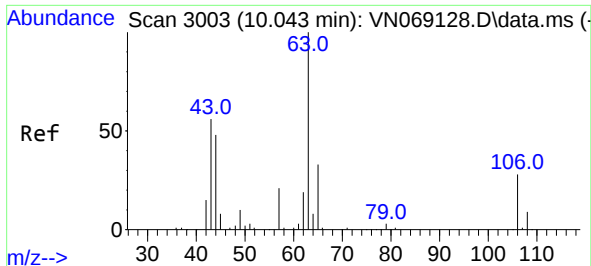


#54
1,2-Dibromoethane
Concen: 1.870 ug/l
RT: 11.350 min Scan# 3490
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion:107 Resp: 9673
Ion Ratio Lower Upper
107 100
109 92.6 72.8 109.2





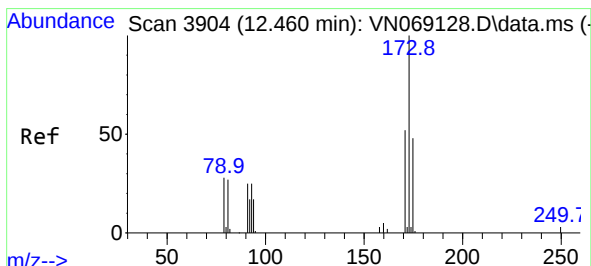
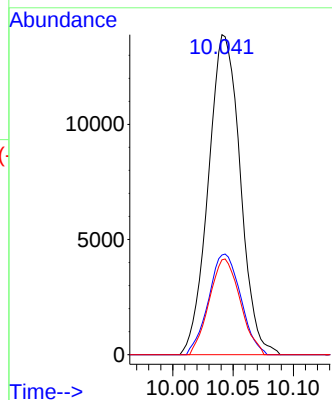
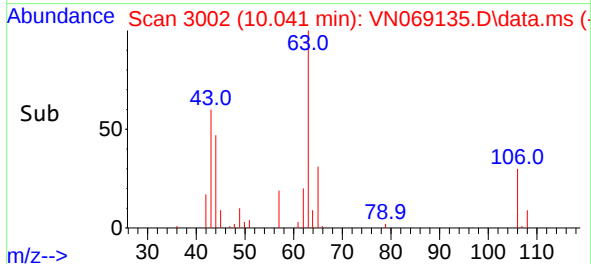
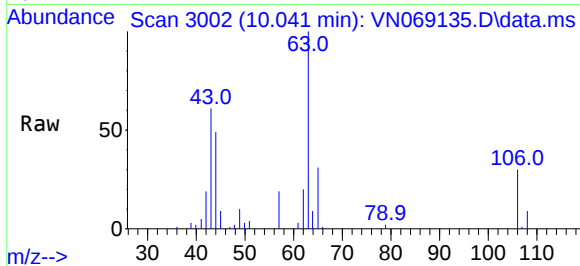
#55
2-Chloroethyl vinyl ether
Concen: 9.876 ug/l
RT: 10.041 min Scan# 3003
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 63 Resp: 2558
Ion Ratio Lower Upper
63 100
65 31.7 25.4 38.0
106 28.9 23.2 34.8

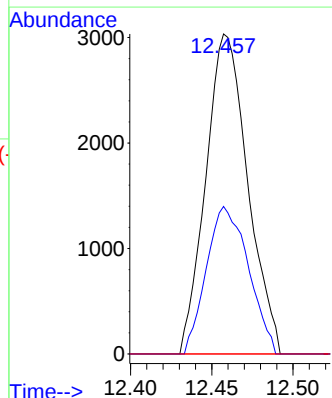
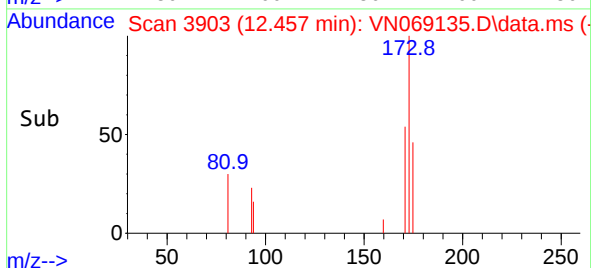
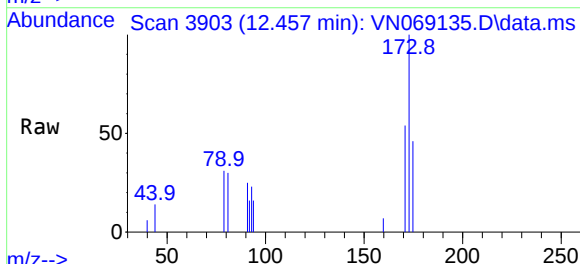
Manual Integrations
APPROVED

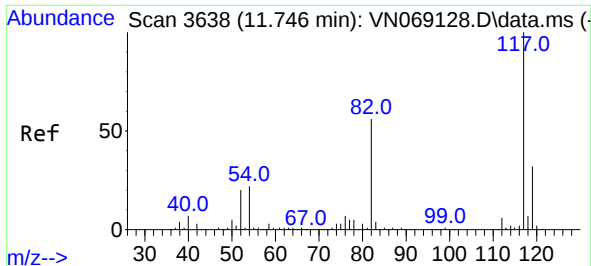
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#56
Bromoform
Concen: 1.432 ug/l
RT: 12.457 min Scan# 3903
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion:173 Resp: 5452
Ion Ratio Lower Upper
173 100
175 46.1 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: VN069135.D

Acq: 22 Oct 2021 15:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 117 Resp: 366450

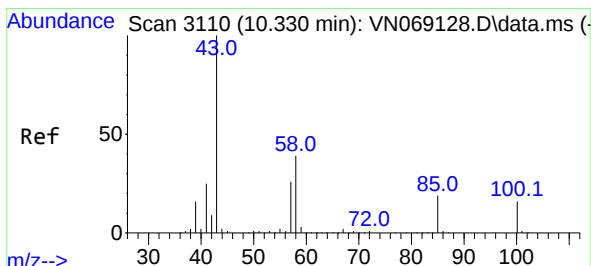
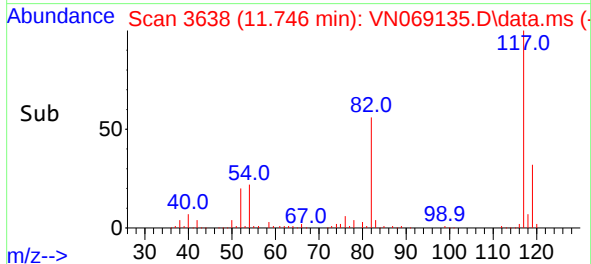
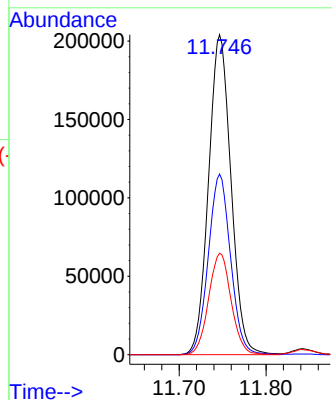
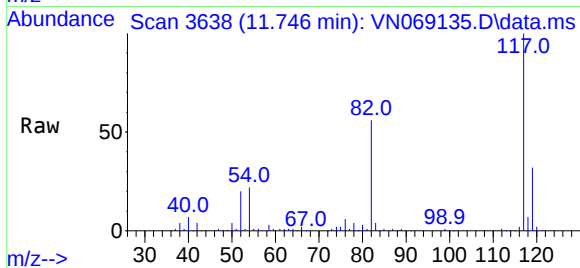
Ion	Ratio	Lower	Upper
117	100		
82	56.0	43.6	65.4
119	31.7	25.8	38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/25/2021

Supervised By :Mahesh Dadoda 10/25/2021



#58

4-Methyl-2-Pentanone

Concen: 10.043 ug/l

RT: 10.330 min Scan# 3110

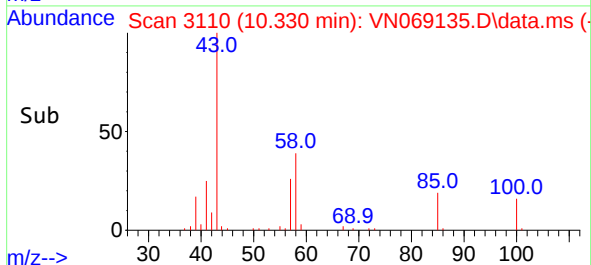
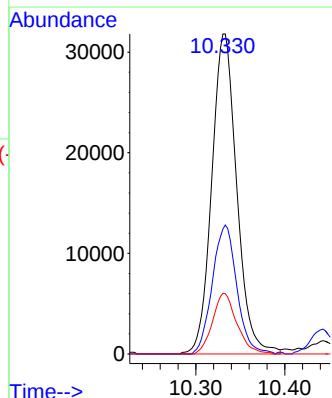
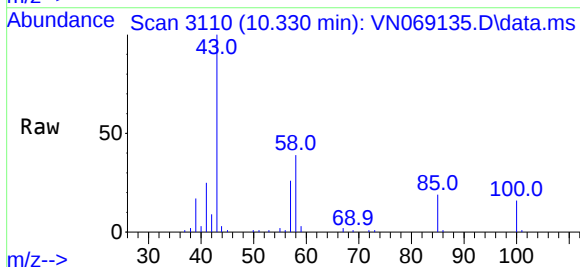
Delta R.T. 0.000 min

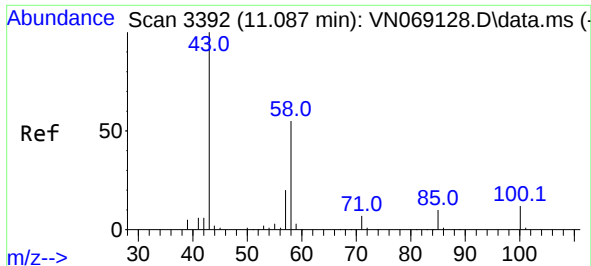
Lab File: VN069135.D

Acq: 22 Oct 2021 15:06

Tgt Ion: 43 Resp: 62089

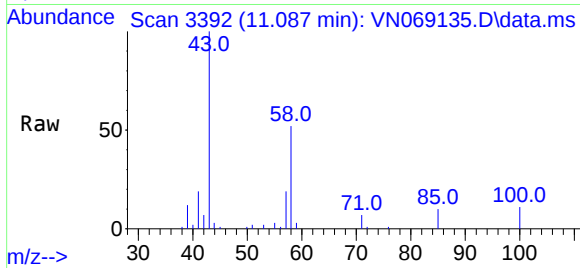
Ion	Ratio	Lower	Upper
43	100		
58	39.5	30.0	45.0
85	18.4	15.0	22.6





#59
2-Hexanone
Concen: 9.802 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

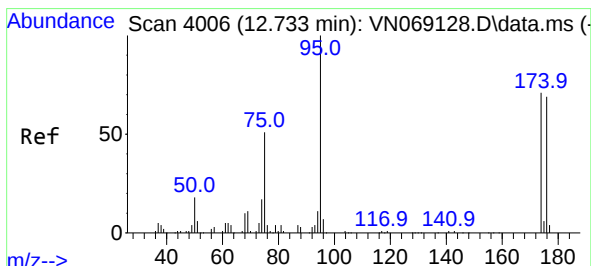
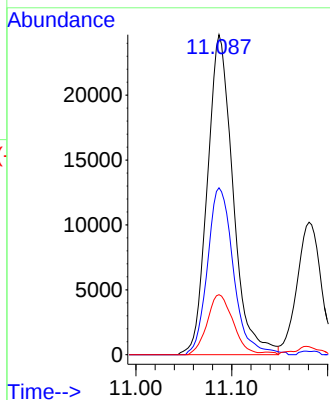
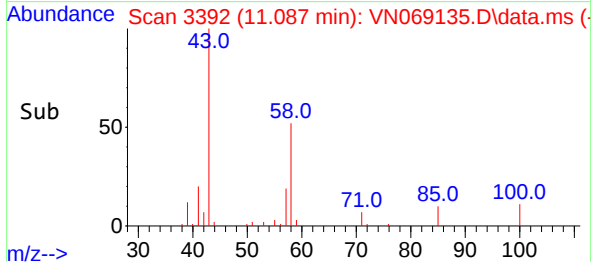
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



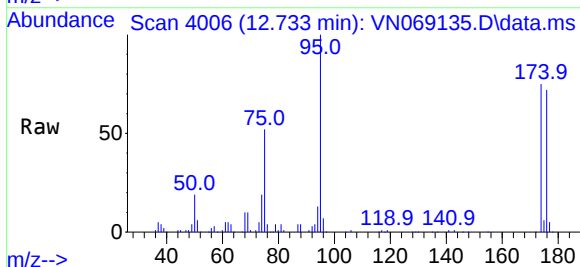
Tgt Ion: 43 Resp: 45760
Ion Ratio Lower Upper
43 100
58 52.9 42.2 63.2
57 18.9 15.0 22.4

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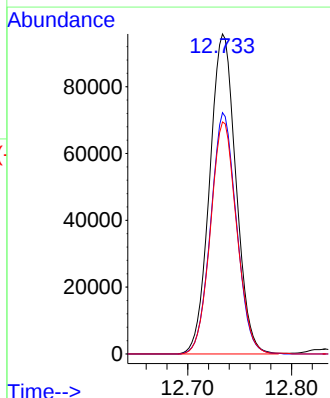
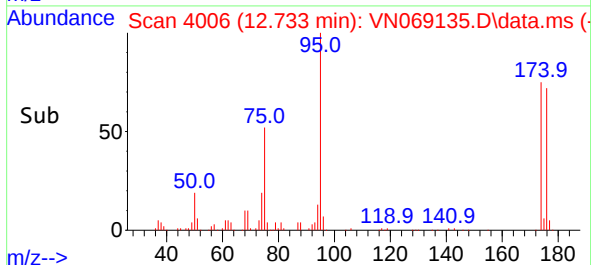
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

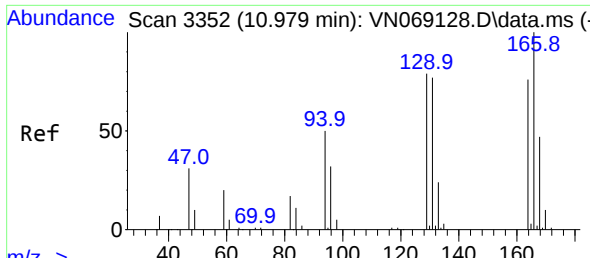


#60
4-Bromofluorobenzene
Concen: 26.757 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion: 95 Resp: 168126
Ion Ratio Lower Upper
95 100
174 73.9 62.9 94.3
176 72.4 61.0 91.4





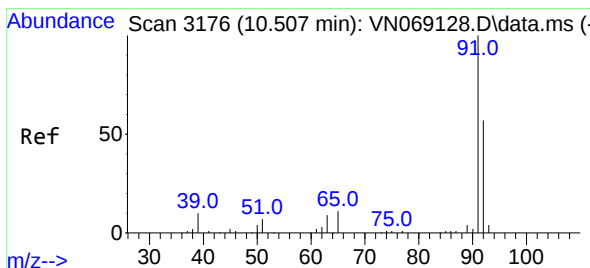
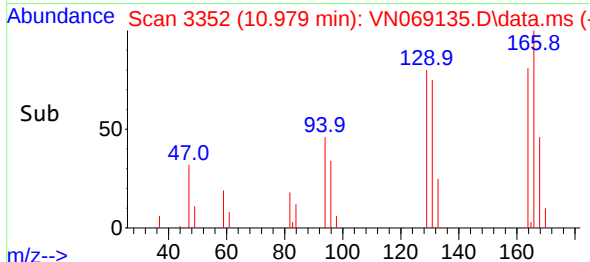
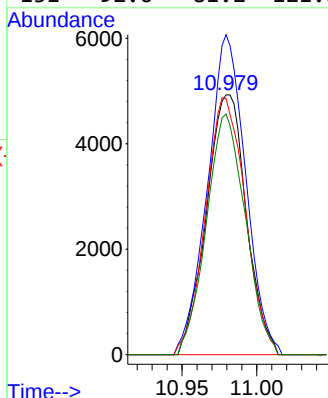
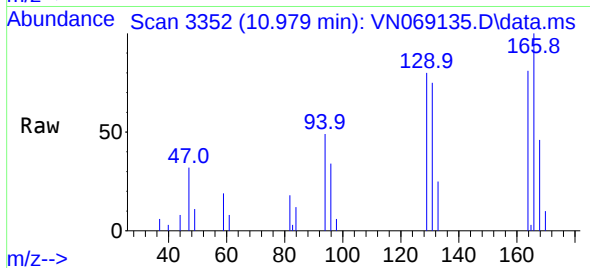
#61
Tetrachloroethene
Concen: 2.300 ug/l
RT: 10.979 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2021

Tgt Ion:164 Resp: 916
Ion Ratio Lower Upper
164 100
166 119.8 105.8 158.8
129 98.5 82.5 123.7
131 92.6 81.2 121.8

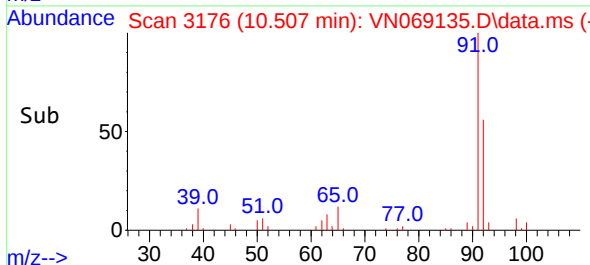
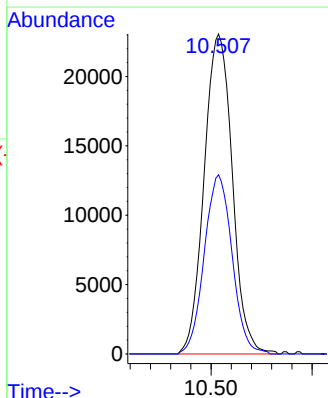
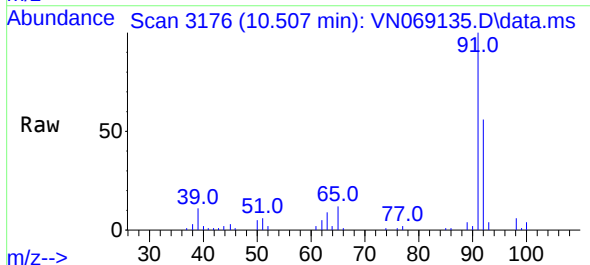
Manual Integrations
APPROVED

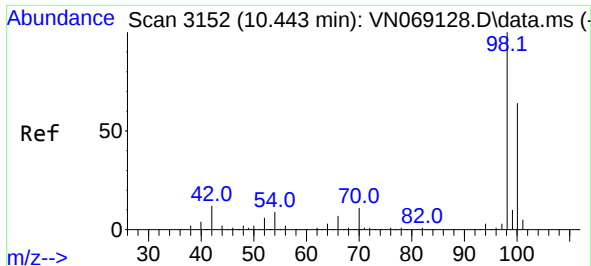
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#62
Toluene
Concen: 2.095 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion: 91 Resp: 44717
Ion Ratio Lower Upper
91 100
92 55.3 44.6 67.0





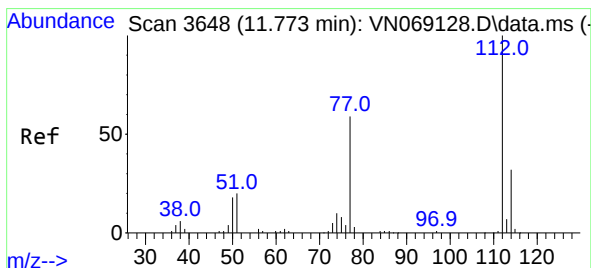
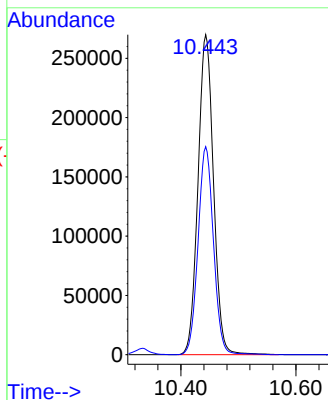
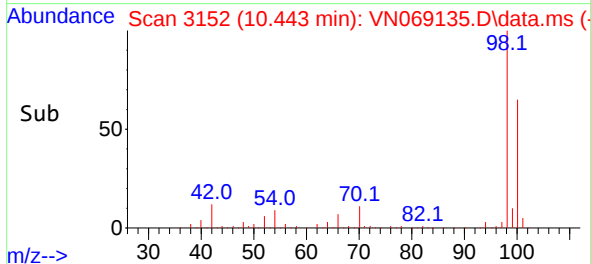
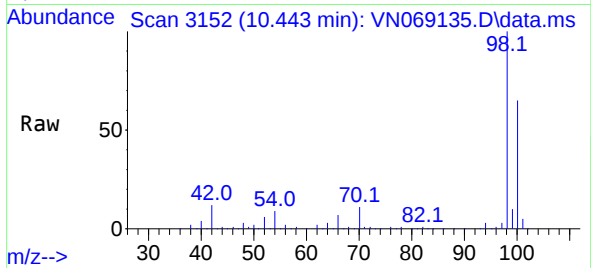
#63
Toluene-d8
Concen: 30.561 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 98 Resp: 505979
Ion Ratio Lower Upper
98 100
100 64.7 50.6 76.0

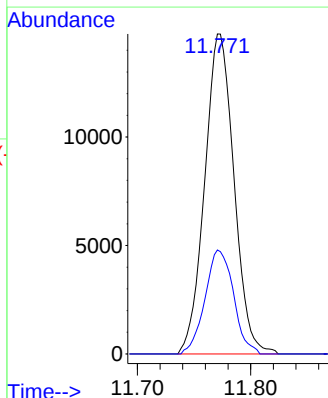
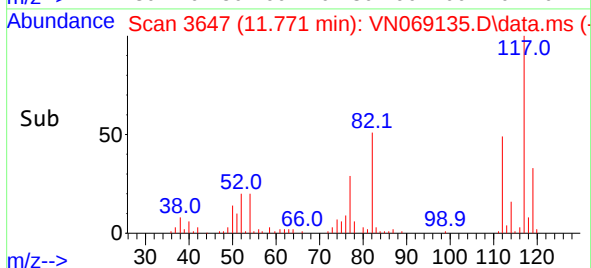
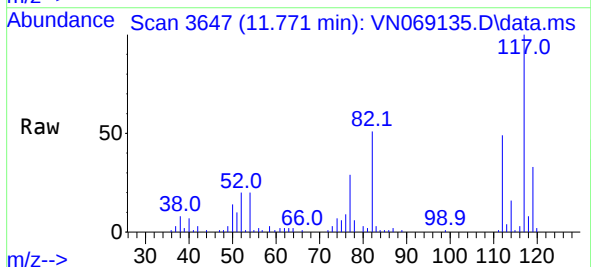
Manual Integrations
APPROVED

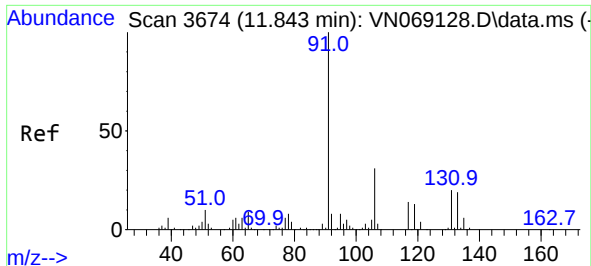
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#64
Chlorobenzene
Concen: 2.048 ug/l
RT: 11.771 min Scan# 3647
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

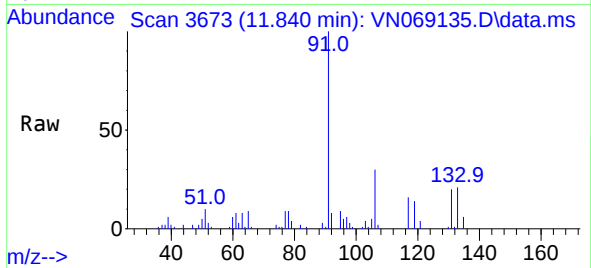
Tgt Ion:112 Resp: 26512
Ion Ratio Lower Upper
112 100
114 32.5 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 1.812 ug/l
RT: 11.840 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

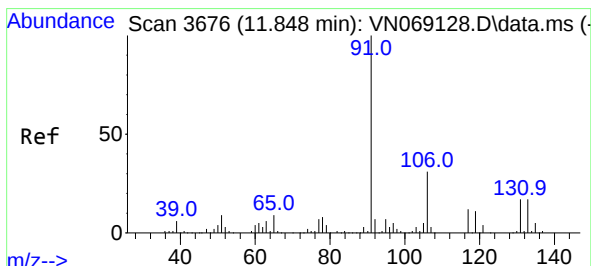
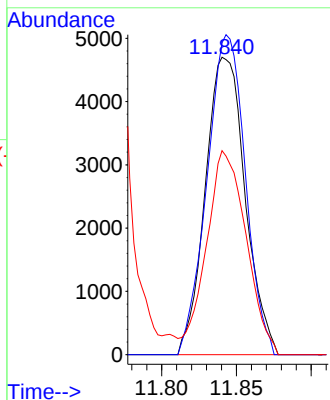
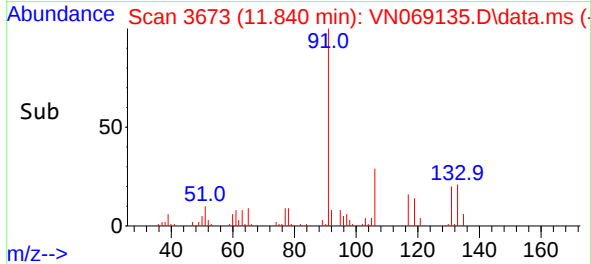
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



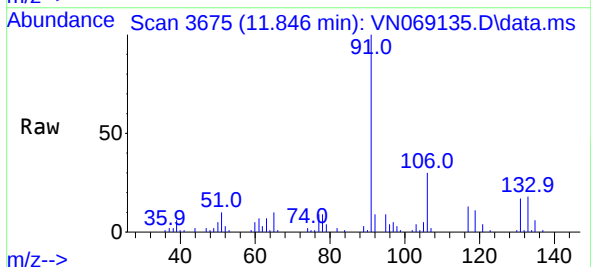
Tgt Ion:131 Resp: 8720
Ion Ratio Lower Upper
131 100
133 103.2 0.0 191.2
119 68.6 0.0 128.8

Manual Integrations
APPROVED

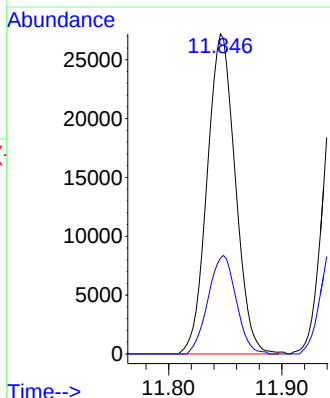
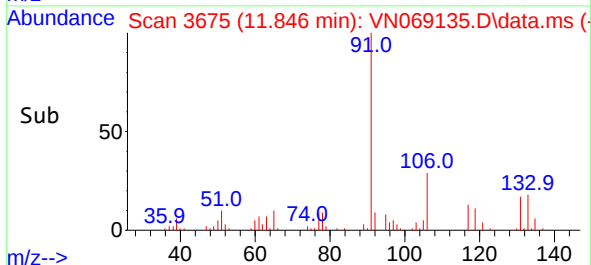
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

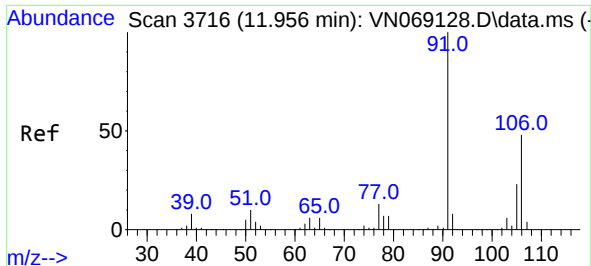


#66
Ethyl Benzene
Concen: 1.954 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion: 91 Resp: 46893
Ion Ratio Lower Upper
91 100
106 29.9 24.0 36.0





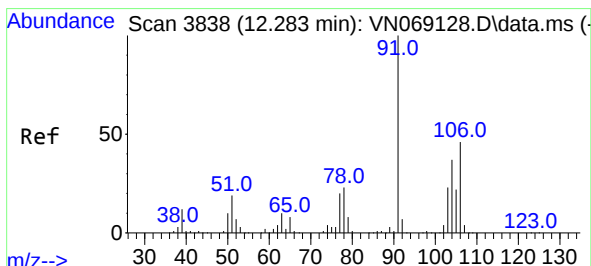
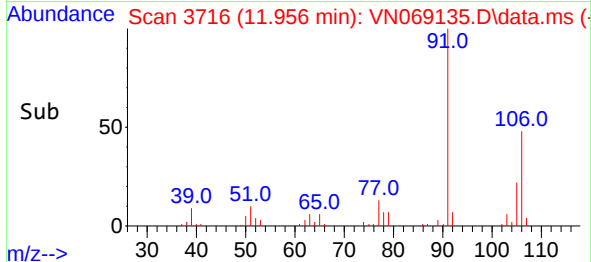
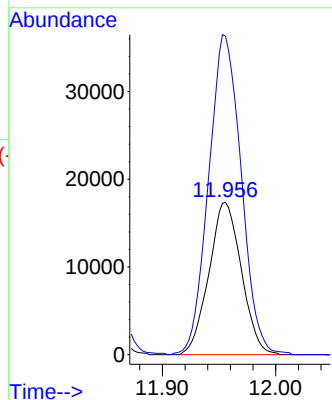
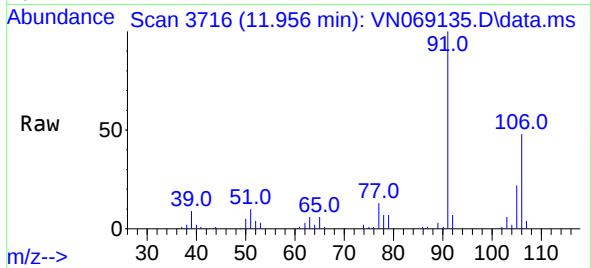
#67
m/p-Xylenes
Concen: 3.835 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion:106 Resp: 34600
Ion Ratio Lower Upper
106 100
91 210.8 162.9 244.3

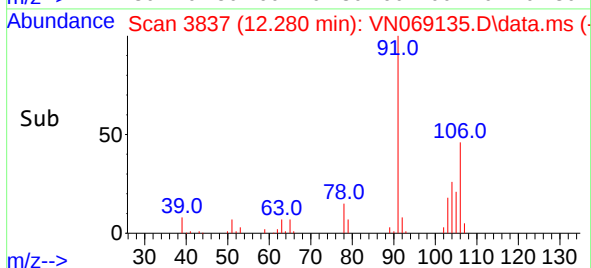
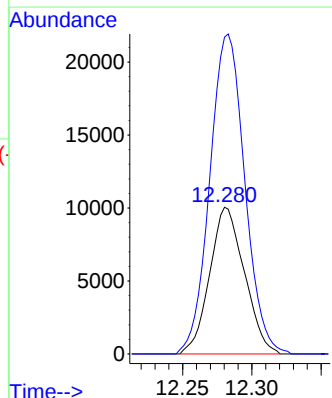
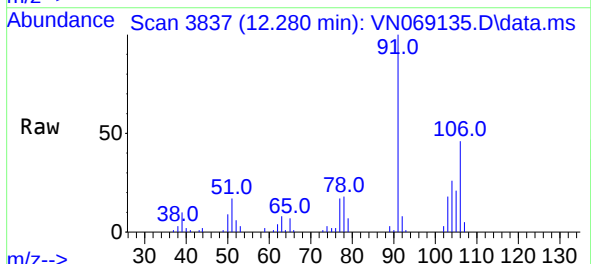
Manual Integrations
APPROVED

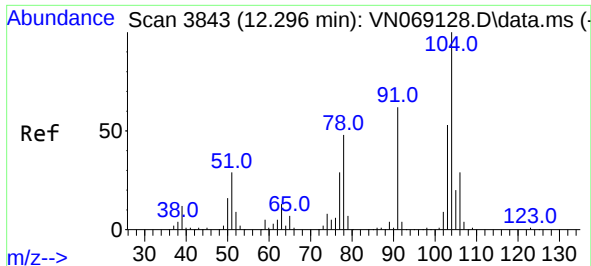
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#68
o-Xylene
Concen: 1.942 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion:106 Resp: 17552
Ion Ratio Lower Upper
106 100
91 219.4 107.7 323.1





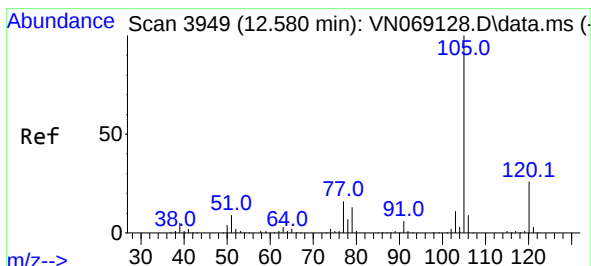
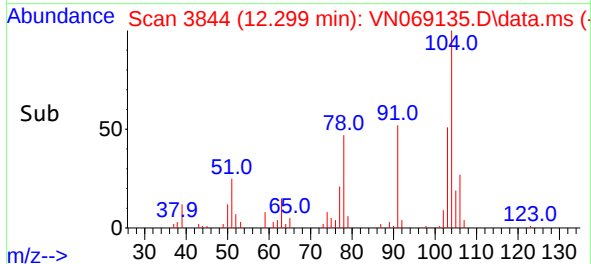
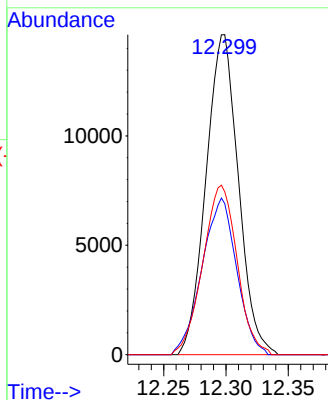
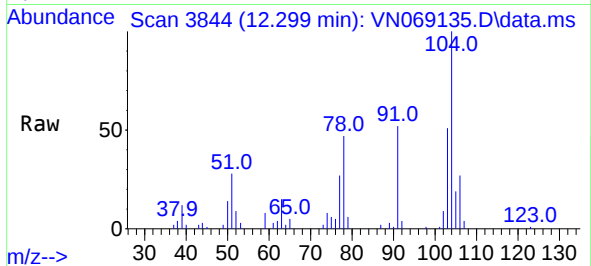
#69
Styrene
Concen: 1.770 ug/l
RT: 12.299 min Scan# 3844
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2021

Tgt Ion:104 Resp: 26500
Ion Ratio Lower Upper
104 100
78 52.2 40.7 61.1
103 55.9 45.8 68.8

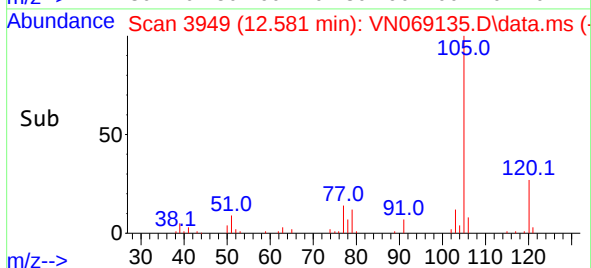
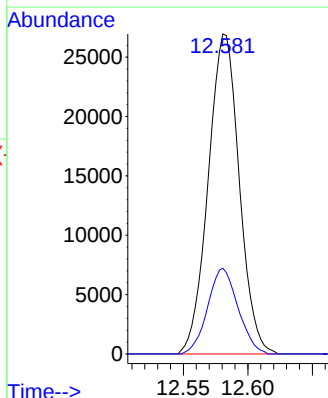
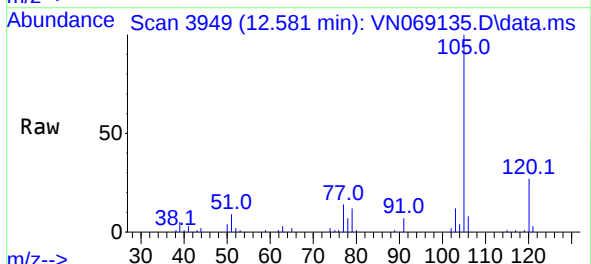
Manual Integrations
APPROVED

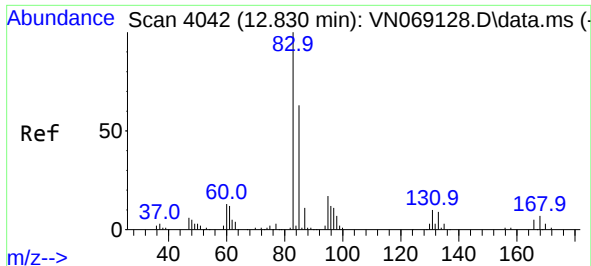
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#70
Isopropylbenzene
Concen: 1.905 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

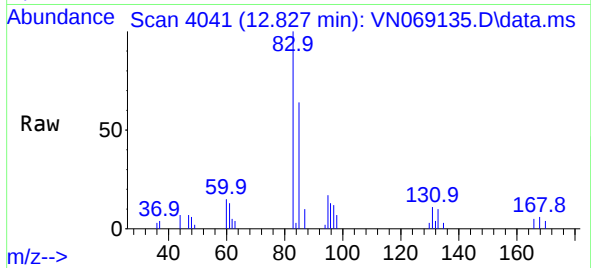
Tgt Ion:105 Resp: 45135
Ion Ratio Lower Upper
105 100
120 26.2 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 1.888 ug/l
RT: 12.827 min Scan# 4042
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

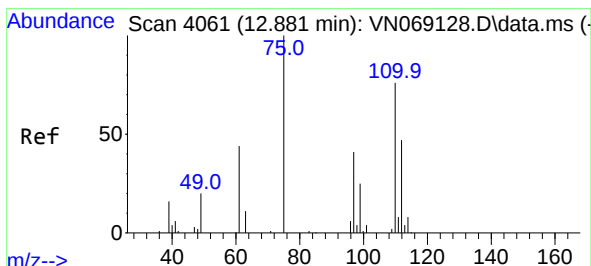
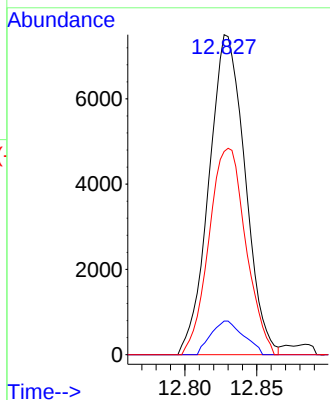
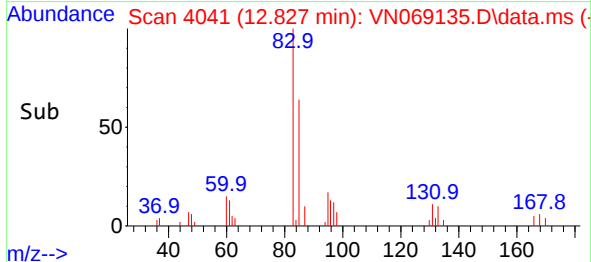
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT4-2021



Tgt Ion: 83 Resp: 1311
Ion Ratio Lower Upper
83 100
131 9.5 5.1 15.3
85 65.8 33.1 99.2

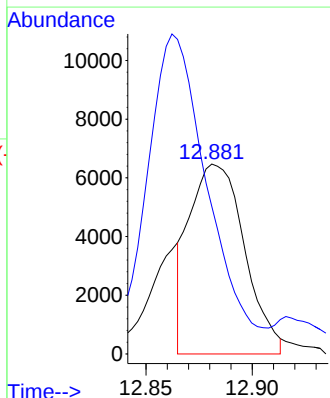
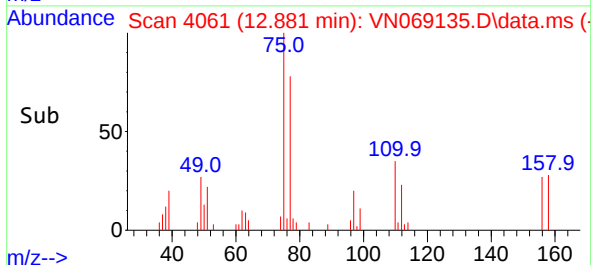
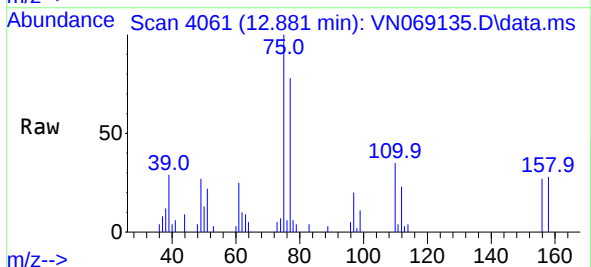
Manual Integrations
APPROVED

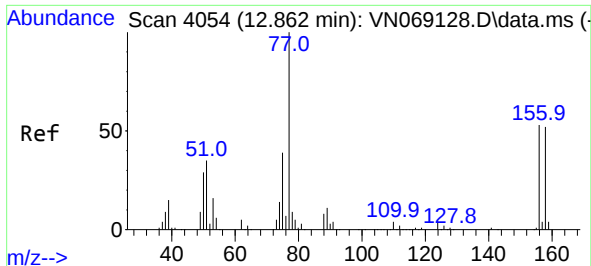
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#72
1,2,3-Trichloropropane
Concen: 1.951 ug/l m
RT: 12.881 min Scan# 4061
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

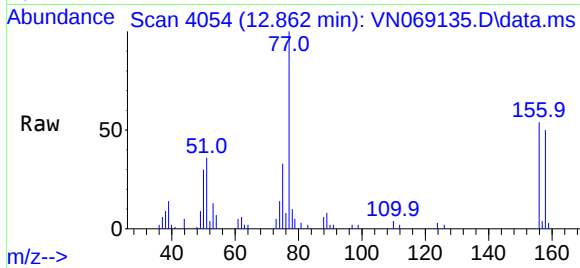
Tgt Ion: 75 Resp: 11642
Ion Ratio Lower Upper
75 100
77 188.3 0.0 378.0





#73
Bromobenzene
Concen: 1.848 ug/l
RT: 12.862 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

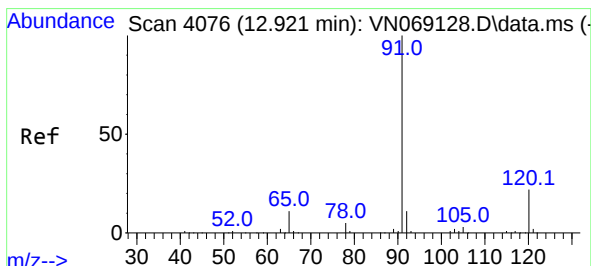
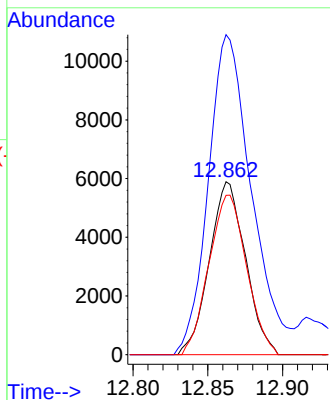
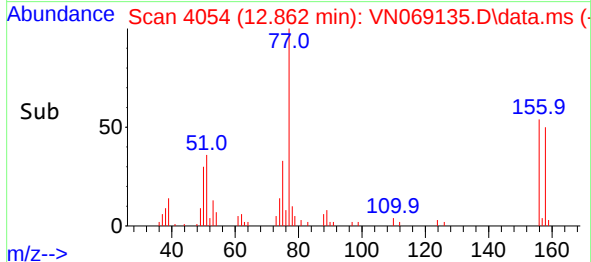
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



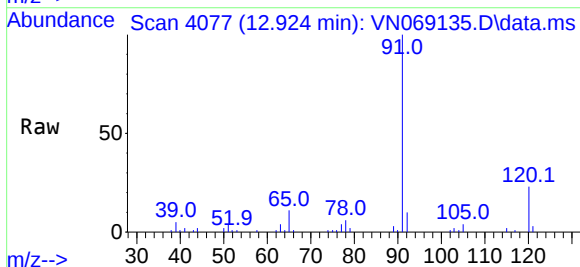
Tgt Ion:156 Resp: 9924
Ion Ratio Lower Upper
156 100
77 220.9 0.0 416.0
158 96.0 0.0 195.4

Manual Integrations
APPROVED

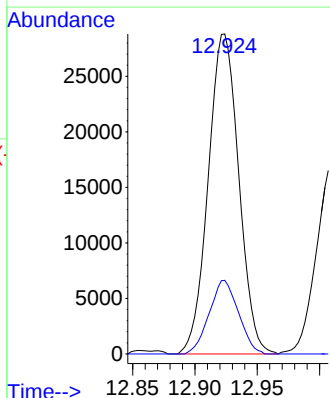
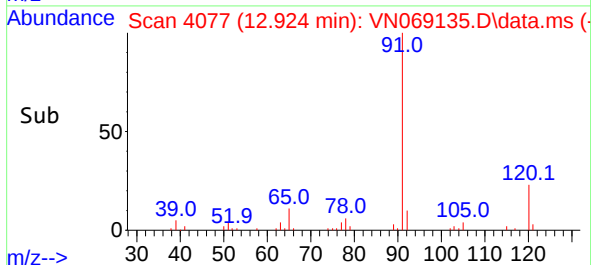
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

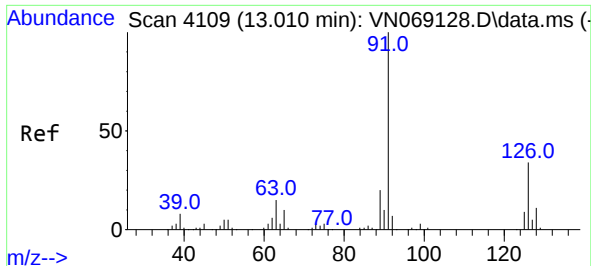


#74
n-propylbenzene
Concen: 1.809 ug/l
RT: 12.924 min Scan# 4077
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion: 91 Resp: 49213
Ion Ratio Lower Upper
91 100
120 22.0 0.0 45.0





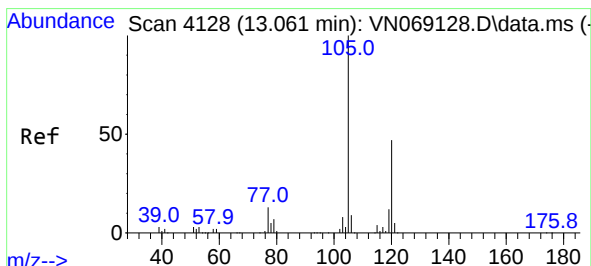
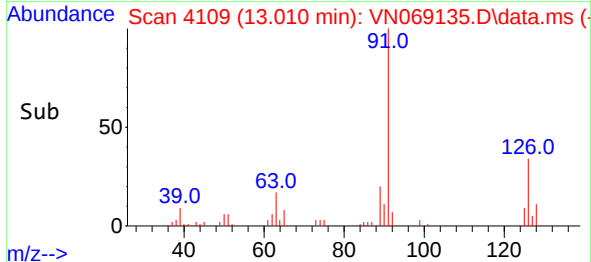
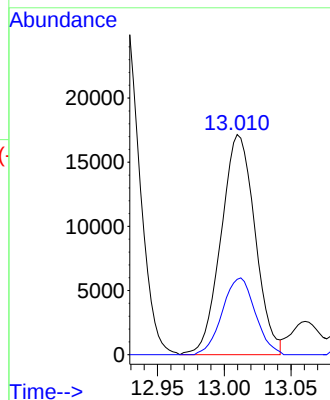
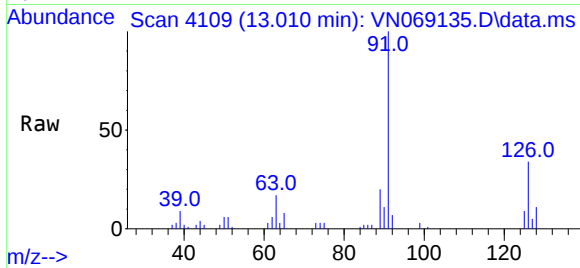
#75
2-Chlorotoluene
Concen: 1.824 ug/l
RT: 13.010 min Scan# 4109
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 91 Resp: 30385
Ion Ratio Lower Upper
91 100
126 33.8 0.0 69.8

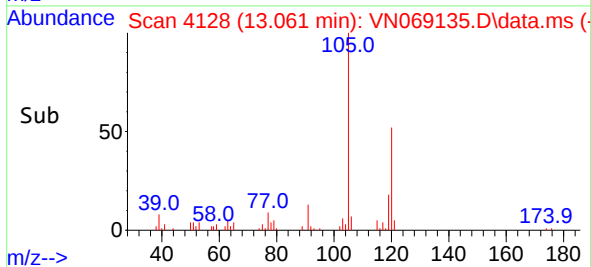
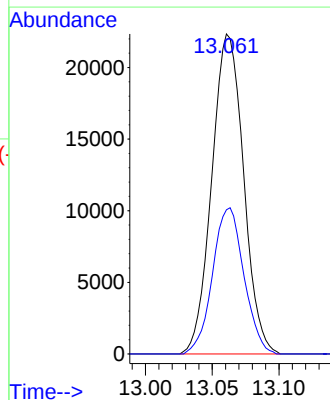
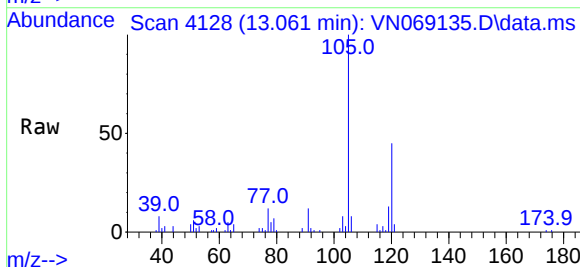
Manual Integrations
APPROVED

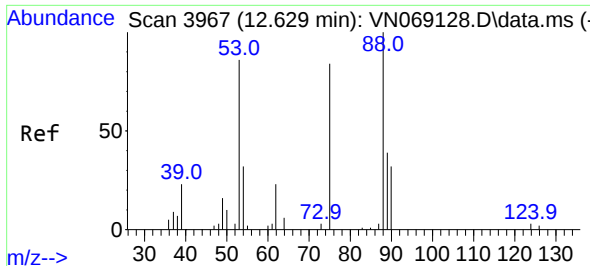
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#76
1,3,5-Trimethylbenzene
Concen: 1.875 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion:105 Resp: 37022
Ion Ratio Lower Upper
105 100
120 45.1 0.0 93.8





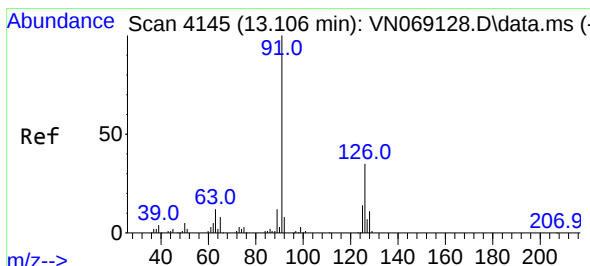
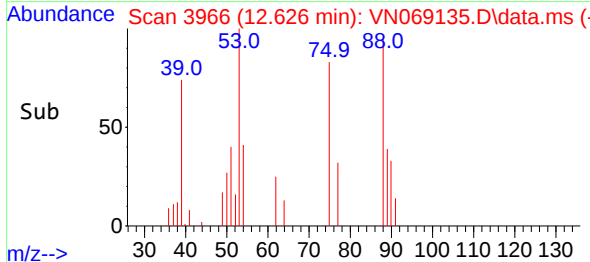
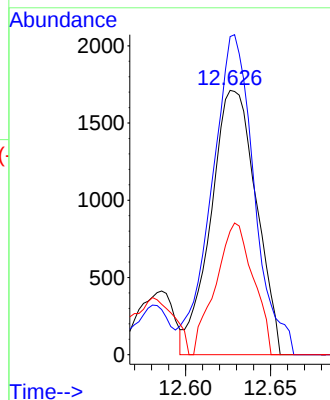
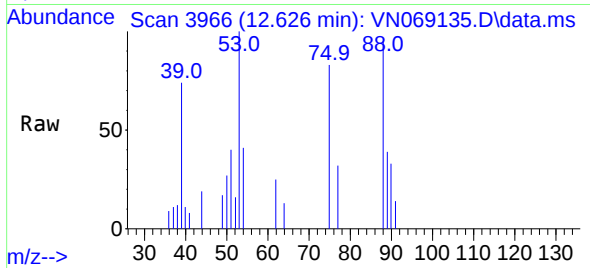
#77
t-1,4-Dichloro-2-butene
Concen: 1.359 ug/l
RT: 12.626 min Scan# 3967
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 75 Resp: 3172
Ion Ratio Lower Upper
75 100
53 109.5 51.8 155.5
89 46.7 22.9 68.7

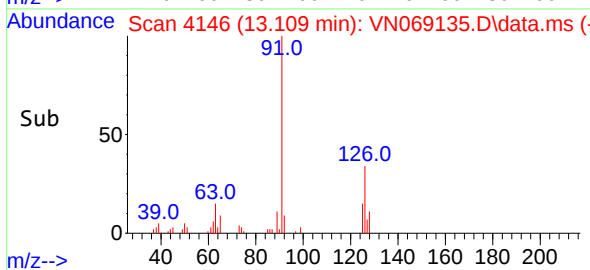
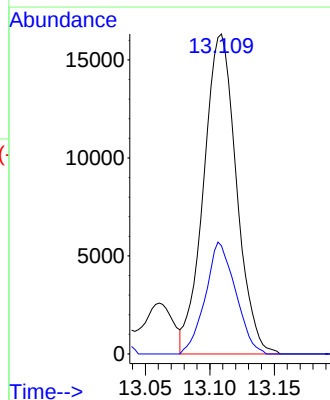
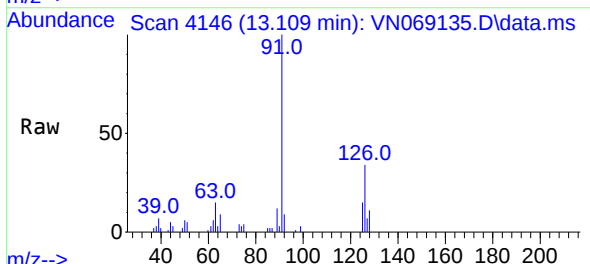
Manual Integrations
APPROVED

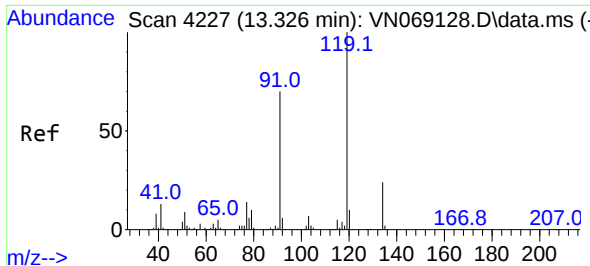
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#78
4-Chlorotoluene
Concen: 1.767 ug/l
RT: 13.109 min Scan# 4146
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion: 91 Resp: 28848
Ion Ratio Lower Upper
91 100
126 32.1 0.0 70.6





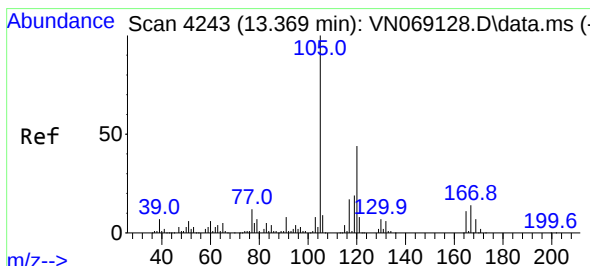
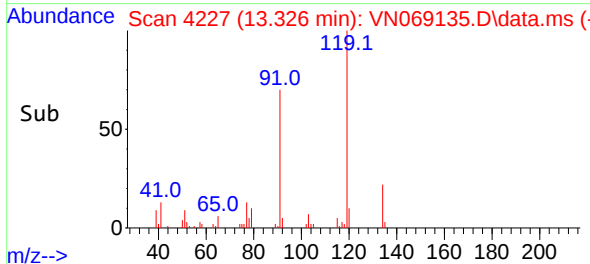
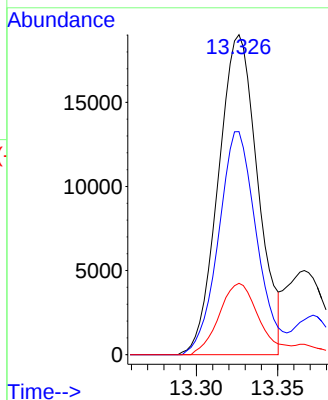
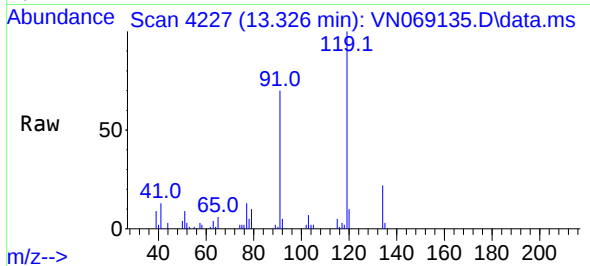
#79
tert-butylbenzene
Concen: 1.853 ug/l
RT: 13.326 min Scan# 4227
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion:119 Resp: 32129
Ion Ratio Lower Upper
119 100
91 67.7 0.0 137.0
134 22.6 0.0 47.6

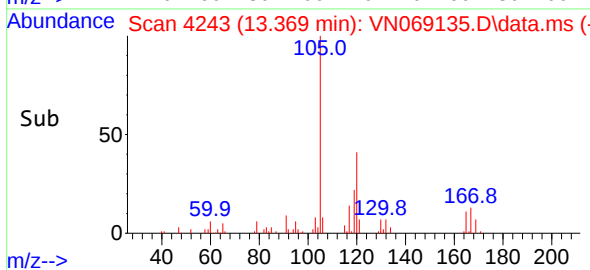
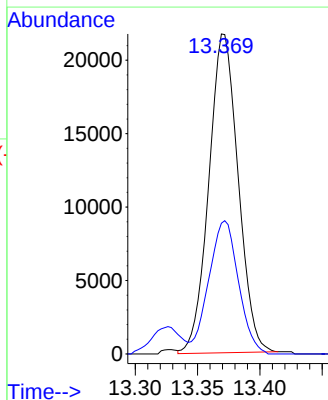
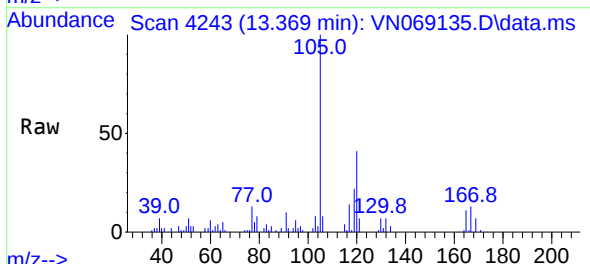
Manual Integrations
APPROVED

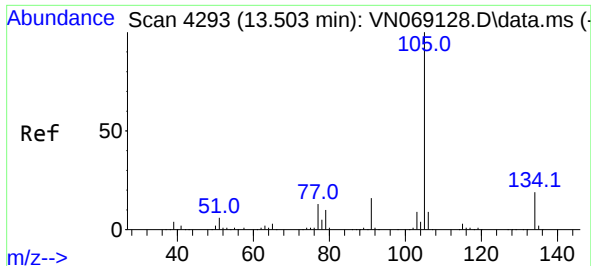
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#80
1,2,4-Trimethylbenzene
Concen: 1.833 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

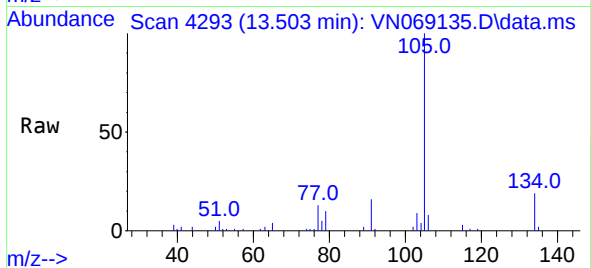
Tgt Ion:105 Resp: 35521
Ion Ratio Lower Upper
105 100
120 42.4 0.0 0.2#





#81
 sec-Butylbenzene
 Concen: 1.798 ug/l
 RT: 13.503 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN069135.D
 Acq: 22 Oct 2021 15:06

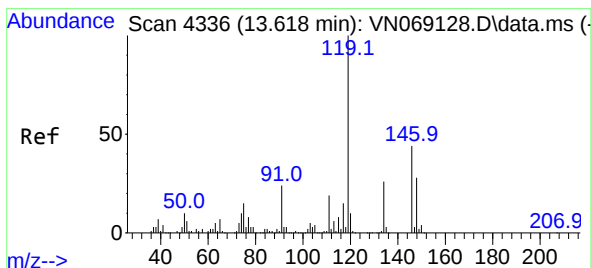
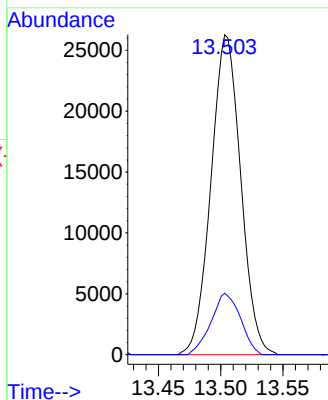
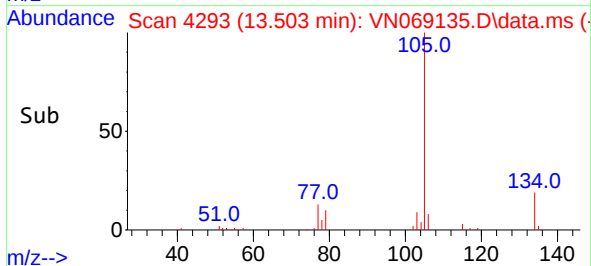
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2021



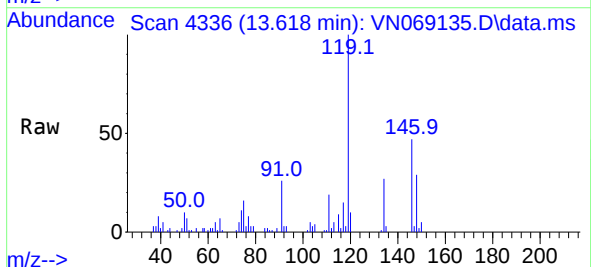
Tgt Ion:105 Resp: 43624
 Ion Ratio Lower Upper
 105 100
 134 19.0 0.0 39.4

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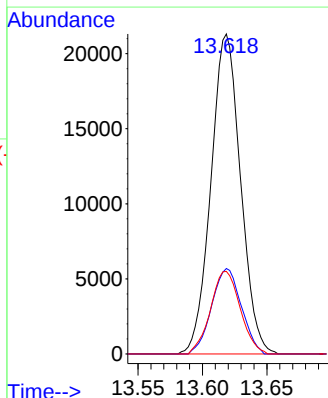
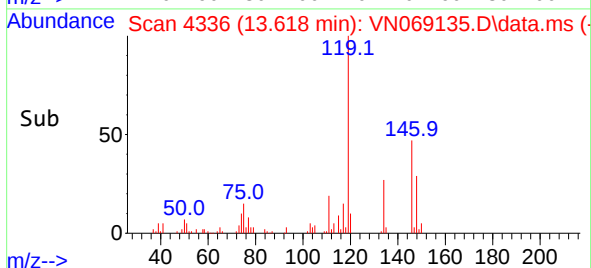
Reviewed By :John Carlone 10/25/2021
 Supervised By :Mahesh Dadoda 10/25/2021

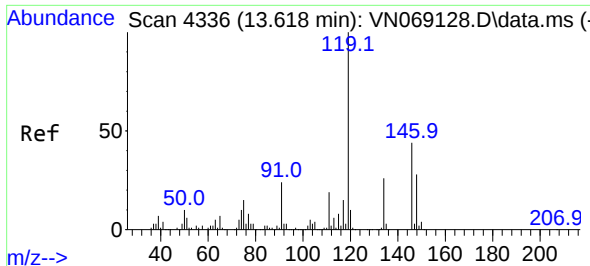


#82
 p-Isopropyltoluene
 Concen: 1.722 ug/l
 RT: 13.618 min Scan# 4336
 Delta R.T. 0.000 min
 Lab File: VN069135.D
 Acq: 22 Oct 2021 15:06



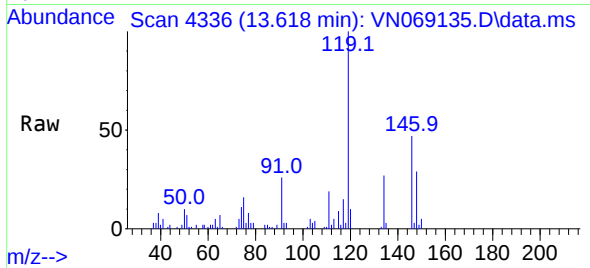
Tgt Ion:119 Resp: 34080
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 51.8
 91 25.9 0.0 50.4





#83
1,3-Dichlorobenzene
Concen: 1.773 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

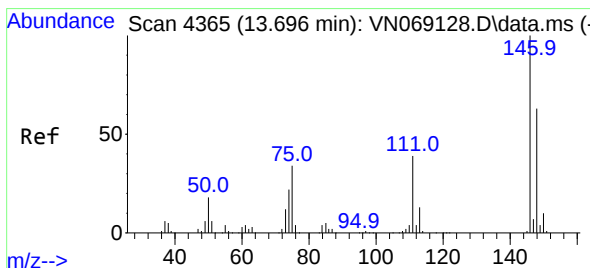
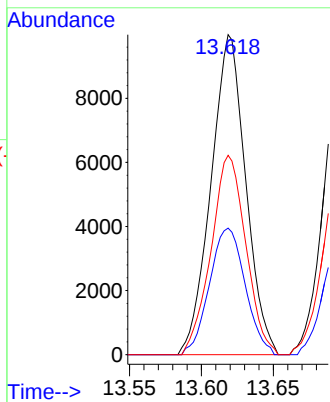
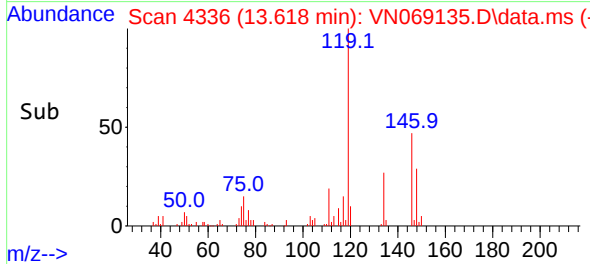
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



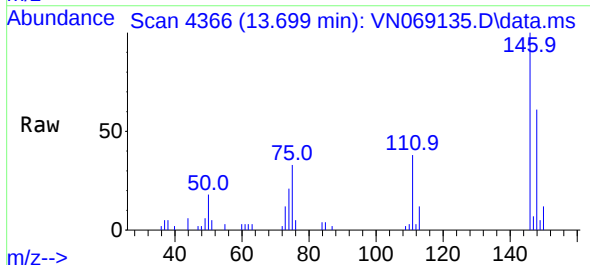
Tgt Ion:146 Resp: 16762
Ion Ratio Lower Upper
146 100
111 40.7 20.8 62.2
148 62.5 31.4 94.3

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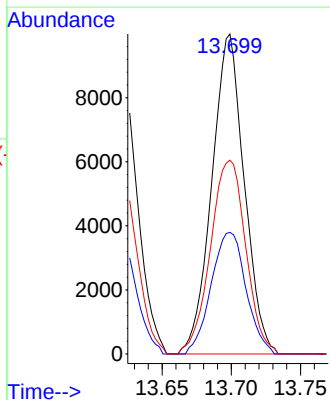
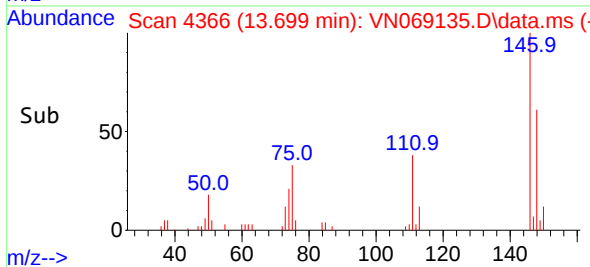
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

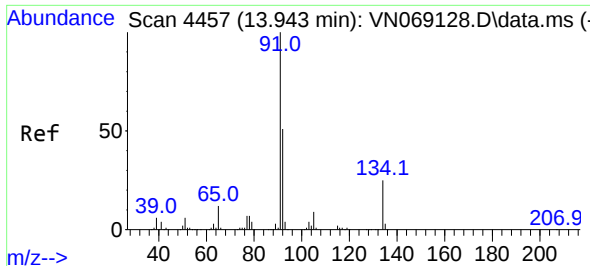


#84
1,4-Dichlorobenzene
Concen: 1.766 ug/l
RT: 13.699 min Scan# 4366
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



Tgt Ion:146 Resp: 16254
Ion Ratio Lower Upper
146 100
111 40.9 19.5 58.5
148 66.1 31.1 93.5





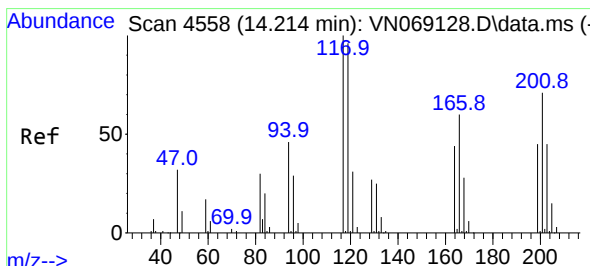
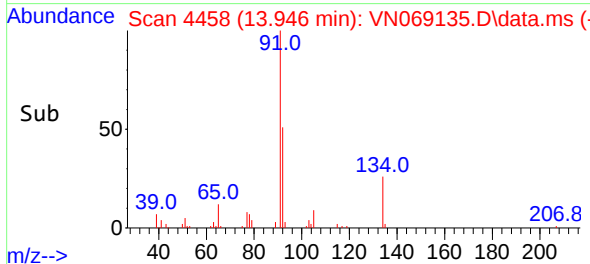
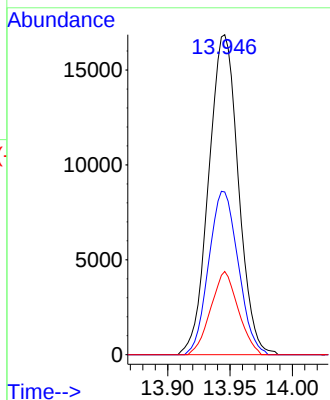
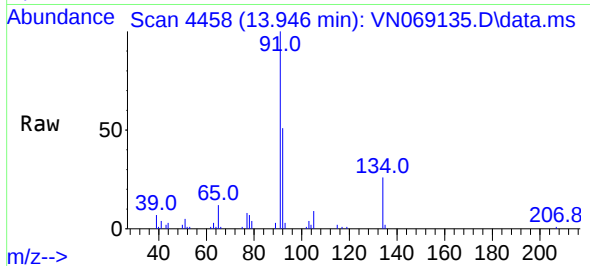
#85
n-Butylbenzene
Concen: 1.689 ug/l
RT: 13.946 min Scan# 4458
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021

Tgt Ion: 91 Resp: 27958
Ion Ratio Lower Upper
91 100
92 50.7 0.0 100.6
134 24.1 0.0 50.2

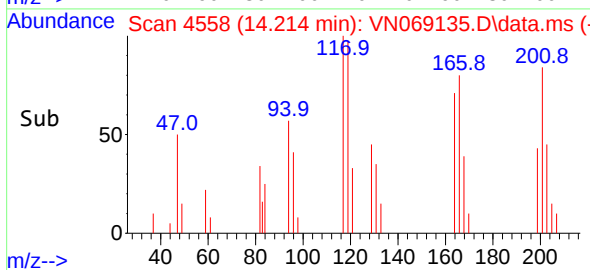
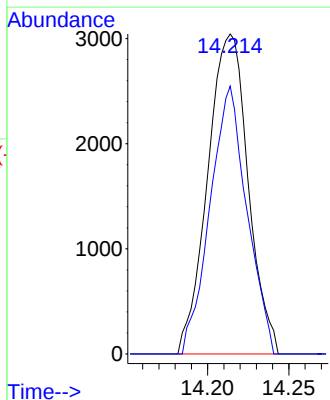
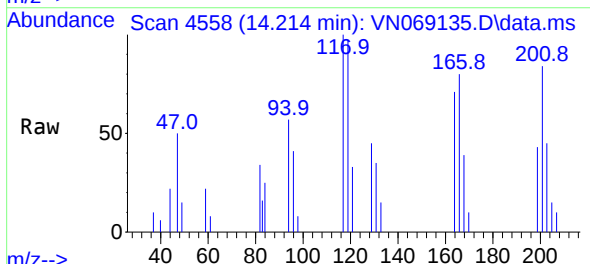
Manual Integrations
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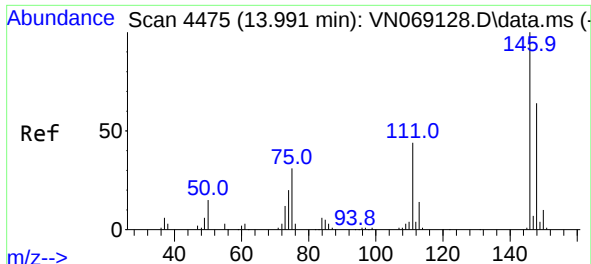
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021



#86
Hexachloroethane
Concen: 1.424 ug/l
RT: 14.214 min Scan# 4558
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion:117 Resp: 5279
Ion Ratio Lower Upper
117 100
201 76.1 33.3 99.8





#87

1,2-Dichlorobenzene

Concen: 1.771 ug/l

RT: 13.991 min Scan# 4475

Delta R.T. 0.000 min

Lab File: VN069135.D

Acq: 22 Oct 2021 15:06

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT4-2021

Tgt Ion:146 Resp: 1599

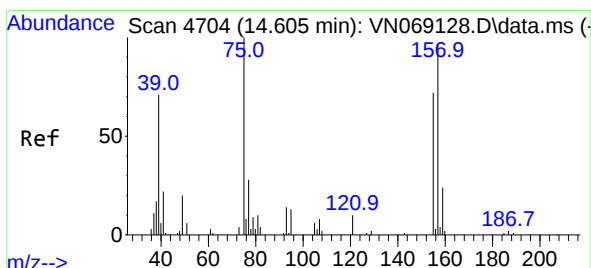
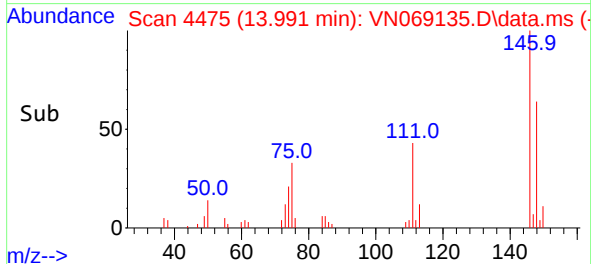
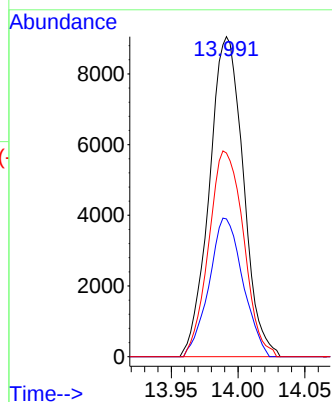
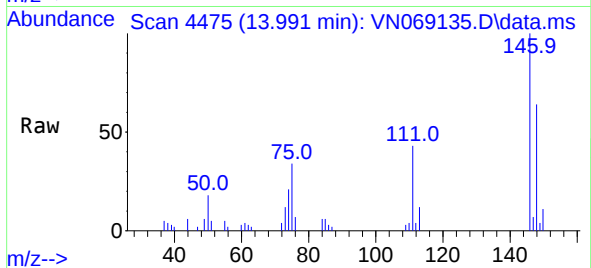
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.4	64.2
148	65.9	32.5	97.4

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: 1.537 ug/l

RT: 14.603 min Scan# 4703

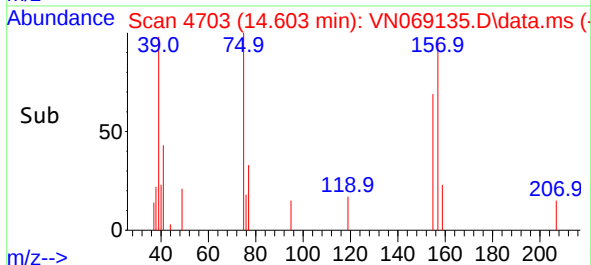
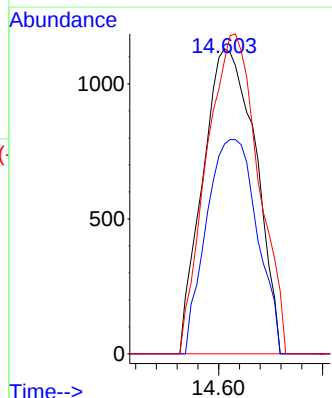
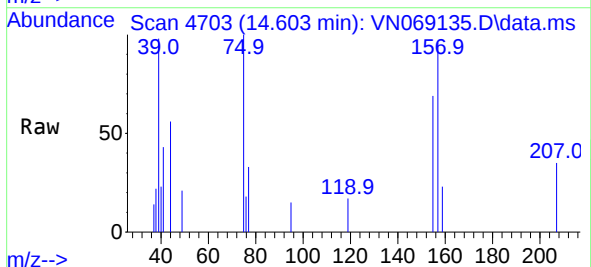
Delta R.T. -0.003 min

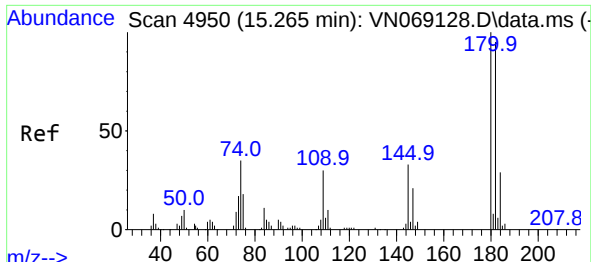
Lab File: VN069135.D

Acq: 22 Oct 2021 15:06

Tgt Ion: 75 Resp: 1988

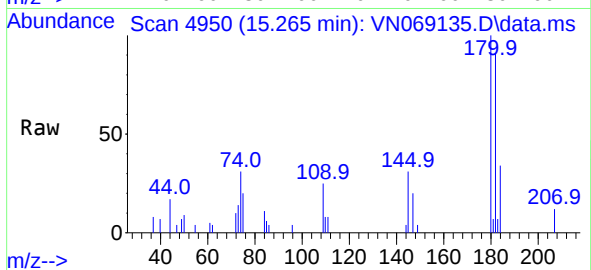
Ion	Ratio	Lower	Upper
75	100		
155	67.6	63.8	95.8
157	103.3	77.9	116.9





#89
1,2,4-Trichlorobenzene
Concen: 1.673 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

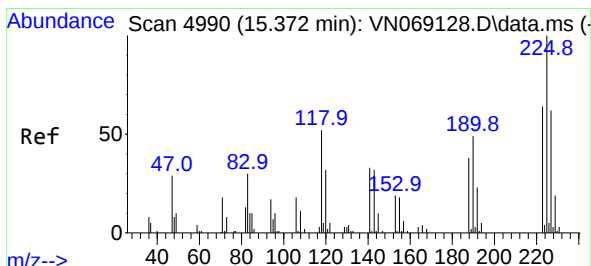
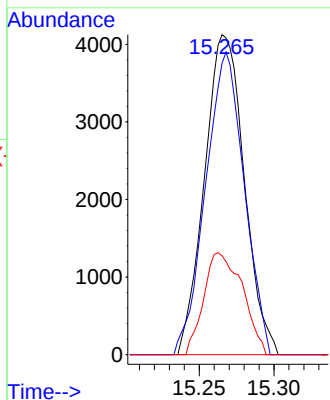
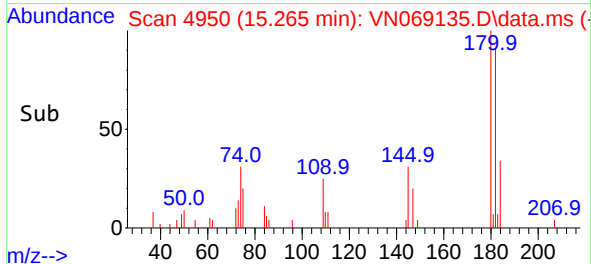
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



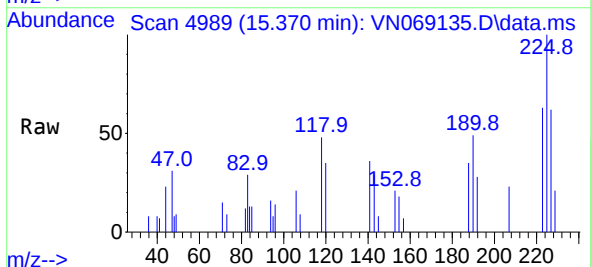
Tgt Ion:180 Resp: 7620
Ion Ratio Lower Upper
180 100
182 91.5 77.7 116.5
145 31.1 26.6 39.8

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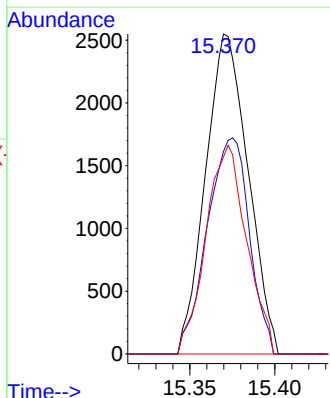
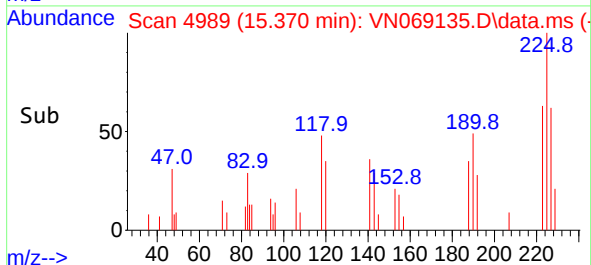
Reviewed By :John Carlone 10/25/2021
Supervised By :Mahesh Dadoda 10/25/2021

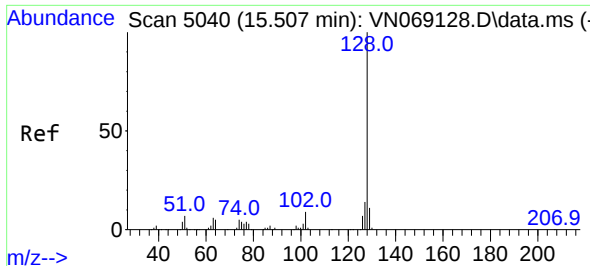


#90
Hexachlorobutadiene
Concen: 1.863 ug/l
RT: 15.370 min Scan# 4989
Delta R.T. -0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06



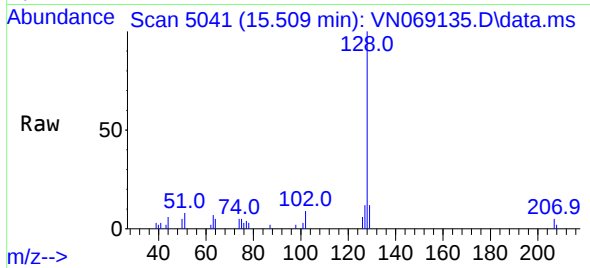
Tgt Ion:225 Resp: 4436
Ion Ratio Lower Upper
225 100
223 66.9 0.0 126.8
227 62.5 0.0 123.0





#91
Naphthalene
Concen: 1.500 ug/l
RT: 15.509 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

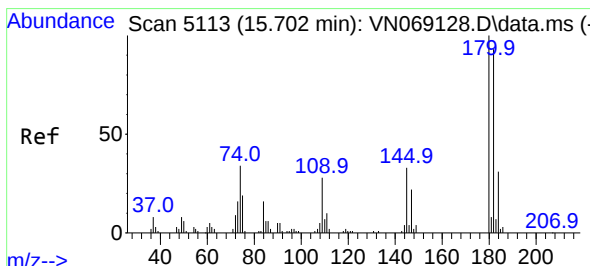
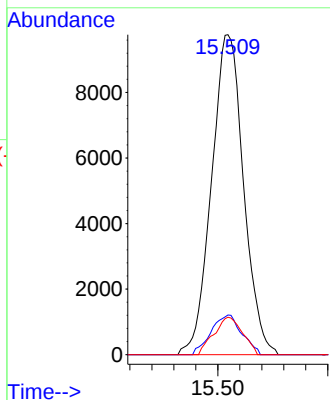
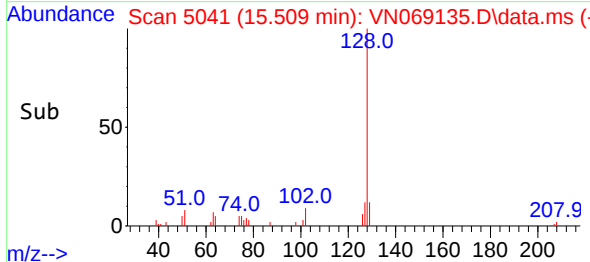
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT4-2021



Tgt Ion:128 Resp: 1976
Ion Ratio Lower Upper
128 100
127 11.9 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: 1.672 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. 0.000 min
Lab File: VN069135.D
Acq: 22 Oct 2021 15:06

Tgt Ion:180 Resp: 7278
Ion Ratio Lower Upper
180 100
182 92.4 0.0 190.0
145 32.0 0.0 67.8

