

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071566.D
 Acq On : 26 Mar 2022 11:23
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022

Quant Time: Mar 28 01:42:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 28 01:40:30 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

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

Internal Standards						
1) Bromochloromethane	7.651	128	100473	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	551509	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	475654	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	214372	30.283	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.933%			
60) 4-Bromofluorobenzene	12.727	95	182182	25.831	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 86.100%			
63) Toluene-d8	10.439	98	673244	31.180	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.933%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.069	85	12446	1.990	ug/l	86
3) Chloromethane	2.298	50	15429	2.093	ug/l	95
4) Vinyl Chloride	2.440	62	17847	2.111	ug/l	100
5) Bromomethane	2.845	94	13371	2.684	ug/l	93
6) Chloroethane	3.016	64	12476	2.305	ug/l	89
7) Trichlorofluoromethane	3.369	101	19176	1.946	ug/l	95
8) Diethyl Ether	3.822	74	7799	1.883	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.216	101	12881m	2.182	ug/l	
10) 1,1-Dichloroethene	4.187	96	11601	1.993	ug/l	98
11) Methyl Iodide	4.428	142	16240	1.904	ug/l #	84
12) Methyl Acetate	4.851	43	25273	3.081	ug/l	94
13) Acrolein	4.040	56	8455	9.688	ug/l #	75
14) Acrylonitrile	5.551	53	36481	9.819	ug/l	95
15) Acetone	4.287	58	9824	9.188	ug/l	84
16) Carbon Disulfide	4.534	76	29574	1.951	ug/l #	94
17) Allyl chloride	4.839	41	16187	1.714	ug/l	87
18) Methylene Chloride	5.092	84	15458	2.214	ug/l	91
19) trans-1,2-Dichloroethene	5.604	96	12650	2.032	ug/l	86
20) Diisopropyl ether	6.486	45	37565	1.902	ug/l #	94
21) 1,1-Dichloroethane	6.386	63	23942	2.007	ug/l #	96
22) cis-1,2-Dichloroethene	7.322	96	15408	2.037	ug/l #	88
23) tert-Butyl Alcohol	5.375	59	11888m	8.967	ug/l	
24) Methyl tert-Butyl Ether	5.610	73	39094	1.861	ug/l #	90
25) Chloroform	7.816	83	24041	2.004	ug/l	99
26) Cyclohexane	8.092	56	18884	1.832	ug/l #	99
29) 1,1-Dichloropropene	8.216	75	16413	1.839	ug/l	88
30) 2-Butanone	7.333	43	47578	9.575	ug/l	98
31) 2,2-Dichloropropane	7.322	77	19660	1.933	ug/l #	61
32) 1,1,1-Trichloroethane	8.010	97	20354	1.958	ug/l	97
33) Carbon Tetrachloride	8.204	117	16430	1.867	ug/l	89
34) Benzene	8.457	78	56912	2.052	ug/l #	74
35) Methacrylonitrile	7.633	41	7371	1.546	ug/l	88
36) 1,2-Dichloroethane	8.527	62	19957	2.063	ug/l #	95
37) Trichloroethene	9.210	130	14327	2.002	ug/l #	79
38) Methylcyclohexane	9.457	83	19711	1.752	ug/l	94
39) 1,2-Dichloropropane	9.486	63	13302	1.917	ug/l	90
40) Dibromomethane	9.569	93	9708	2.067	ug/l	87
41) Bromodichloromethane	9.763	83	17526	1.865	ug/l #	90
42) Vinyl Acetate	6.428	43	147832	8.683	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032622\
 Data File : VN071566.D
 Acq On : 26 Mar 2022 11:23
 Operator : JC\MD
 Sample : N1645-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2022

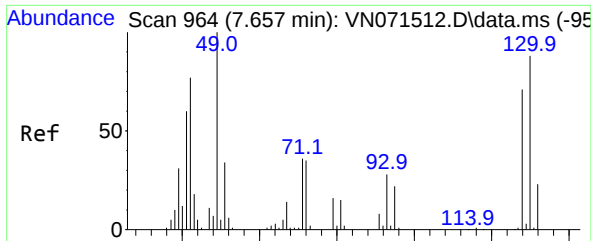
Quant Time: Mar 28 01:42:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032422W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Mar 28 01:40:30 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/28/2022
 Supervised By : Mahesh Dadoda 03/28/2022

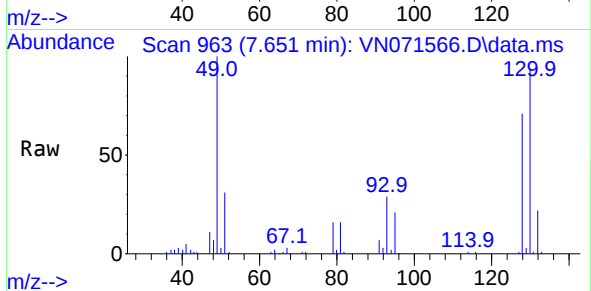
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.416	43	19367	2.010	ug/l #	93
44) Isopropyl Acetate	8.557	43	43883	2.840	ug/l #	80
45) 1,4-Dioxane	9.563	88	5690	36.493	ug/l #	95
46) Methyl methacrylate	9.557	41	11869	1.751	ug/l	86
47) n-amyl Acetate	12.386	43	13943	1.352	ug/l	93
48) t-1,3-Dichloropropene	10.716	75	17763	1.739	ug/l	100
49) cis-1,3-Dichloropropene	10.186	75	19574	1.752	ug/l #	81
50) 1,1,2-Trichloroethane	10.898	97	13861	1.974	ug/l	91
51) Ethyl methacrylate	10.757	69	16735	1.544	ug/l	87
52) 1,3-Dichloropropane	11.039	76	23927	1.995	ug/l	100
53) Dibromochloromethane	11.233	129	13622	1.874	ug/l	98
54) 1,2-Dibromoethane	11.339	107	14396	1.993	ug/l	98
55) 2-Chloroethyl vinyl ether	10.039	63	13866	4.747	ug/l	96
56) Bromoform	12.457	173	9636	1.719	ug/l #	95
58) 4-Methyl-2-Pentanone	10.327	43	83011	9.194	ug/l	97
59) 2-Hexanone	11.080	43	56897	8.631	ug/l	93
61) Tetrachloroethene	10.974	164	12550	2.168	ug/l	94
62) Toluene	10.504	91	60509	2.098	ug/l	98
64) Chlorobenzene	11.768	112	35909	2.018	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.833	131	13264	2.032	ug/l	95
66) Ethyl Benzene	11.845	91	56550	1.804	ug/l	97
67) m/p-Xylenes	11.951	106	40307	3.306	ug/l	98
68) o-Xylene	12.274	106	20787	1.715	ug/l	98
69) Styrene	12.292	104	28692	1.504	ug/l	98
70) Isopropylbenzene	12.574	105	48566	1.597	ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.821	83	20476	2.068	ug/l	97
72) 1,2,3-Trichloropropane	12.874	75	16134m	1.897	ug/l	
73) Bromobenzene	12.857	156	13741	1.852	ug/l	99
74) n-propylbenzene	12.915	91	51018	1.537	ug/l	98
75) 2-Chlorotoluene	13.004	91	36190	1.744	ug/l	100
76) 1,3,5-Trimethylbenzene	13.057	105	38789	1.590	ug/l	95
77) t-1,4-Dichloro-2-butene	12.621	75	4125	1.381	ug/l	79
78) 4-Chlorotoluene	13.104	91	30454	1.572	ug/l	99
79) tert-butylbenzene	13.321	119	36428	1.654	ug/l	95
80) 1,2,4-Trimethylbenzene	13.362	105	35371	1.494	ug/l #	80
81) sec-Butylbenzene	13.498	105	46317	1.565	ug/l	98
82) p-Isopropyltoluene	13.615	119	32852	1.367	ug/l	98
83) 1,3-Dichlorobenzene	13.610	146	20614	1.698	ug/l	98
84) 1,4-Dichlorobenzene	13.692	146	18888	1.630	ug/l	97
85) n-Butylbenzene	13.939	91	24244	1.358	ug/l	99
86) Hexachloroethane	14.209	117	7449	1.659	ug/l	71
87) 1,2-Dichlorobenzene	13.986	146	19458	1.658	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.598	75	2963	1.682	ug/l	93
89) 1,2,4-Trichlorobenzene	15.262	180	6071	1.119	ug/l	97
90) Hexachlorobutadiene	15.368	225	6675	2.076	ug/l	94
91) Naphthalene	15.504	128	10326	0.684	ug/l #	94
92) 1,2,3-Trichlorobenzene	15.692	180	5541	1.041	ug/l	93

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.651 min Scan# 90
Delta R.T. -0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

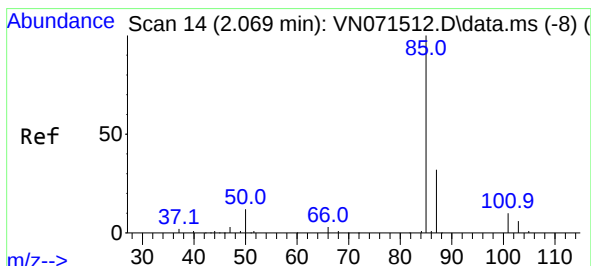
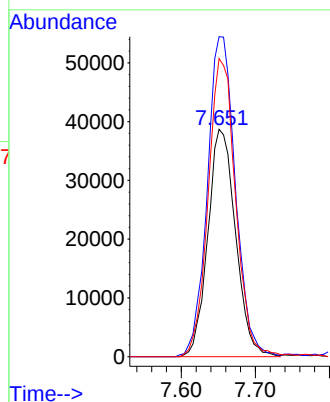
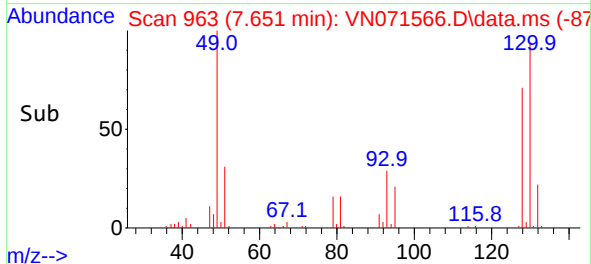
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



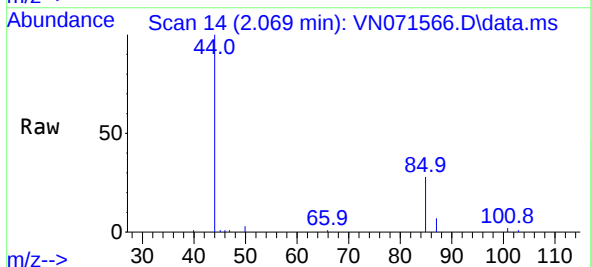
Tgt Ion:128 Resp: 10047
Ion Ratio Lower Upper
128 100
49 142.9 0.0 392.3
130 129.9 0.0 320.2

Manual Integrations
APPROVED

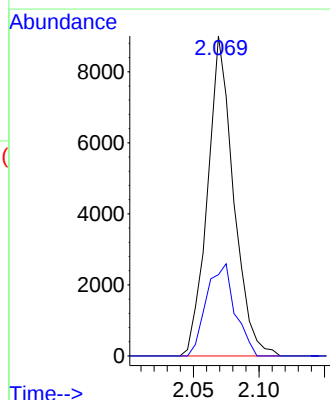
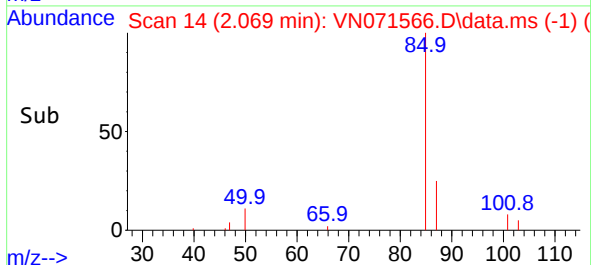
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



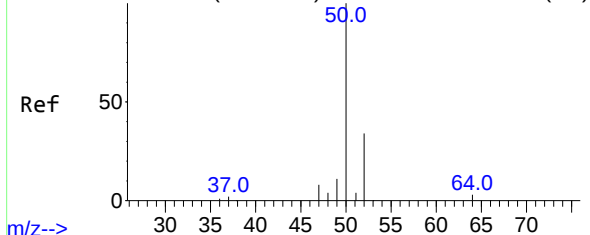
#2
Dichlorodifluoromethane
Concen: 1.990 ug/l
RT: 2.069 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion: 85 Resp: 12446
Ion Ratio Lower Upper
85 100
87 25.4 16.6 49.7



Abundance Scan 53 (2.299 min): VN071512.D\data.ms (-48)



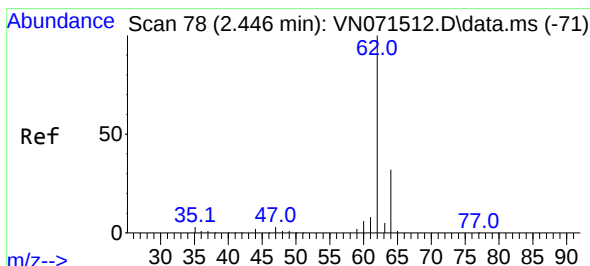
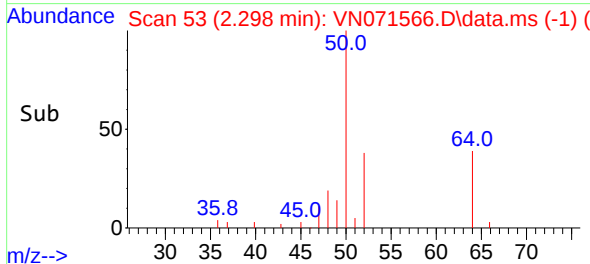
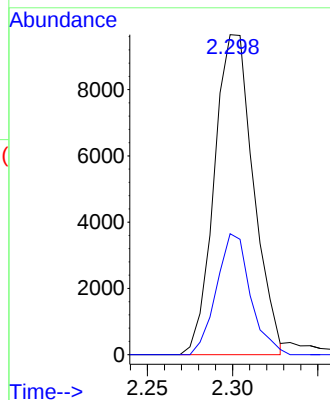
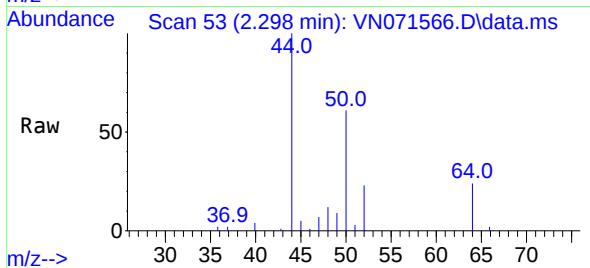
#3
Chloromethane
Concen: 2.093 ug/l
RT: 2.298 min Scan# 50
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion: 50 Resp: 15429
Ion Ratio Lower Upper
50 100
52 37.8 27.8 41.6

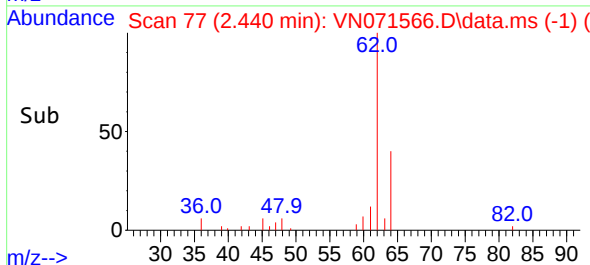
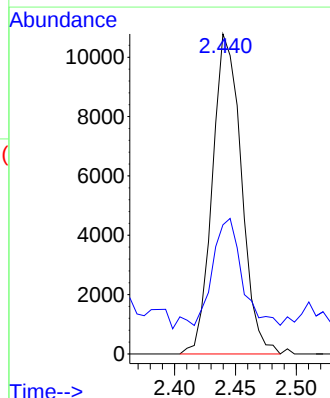
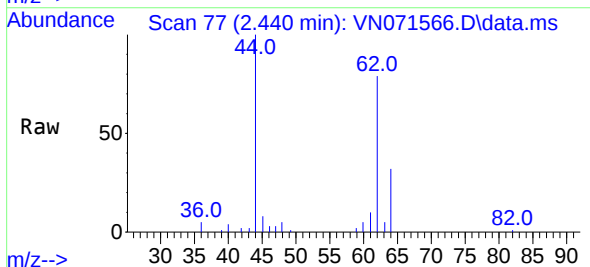
Manual Integrations
APPROVED

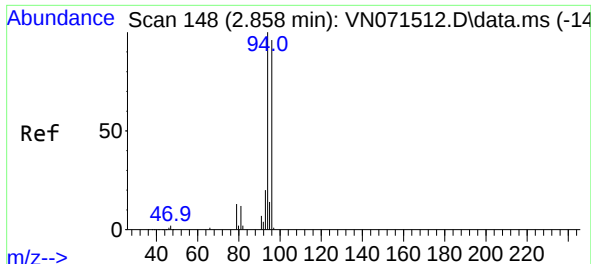
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#4
Vinyl Chloride
Concen: 2.111 ug/l
RT: 2.440 min Scan# 77
Delta R.T. -0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

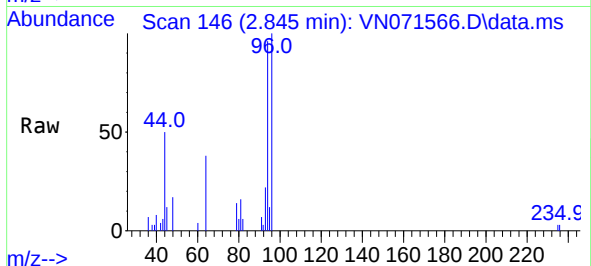
Tgt Ion: 62 Resp: 17847
Ion Ratio Lower Upper
62 100
64 31.4 25.1 37.7





#5
Bromomethane
Concen: 2.684 ug/l
RT: 2.845 min Scan# 148
Delta R.T. -0.012 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

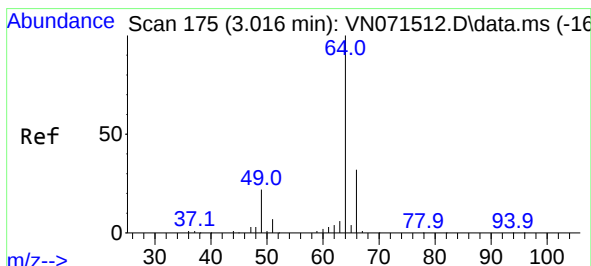
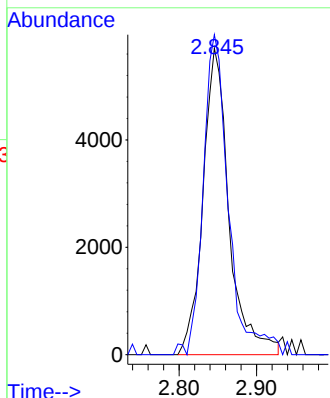
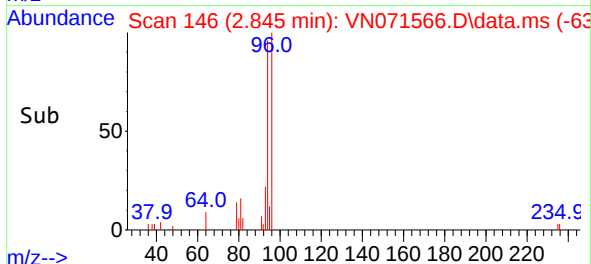
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 94 Resp: 1337
Ion Ratio Lower Upper
94 100
96 100.9 75.2 112.8

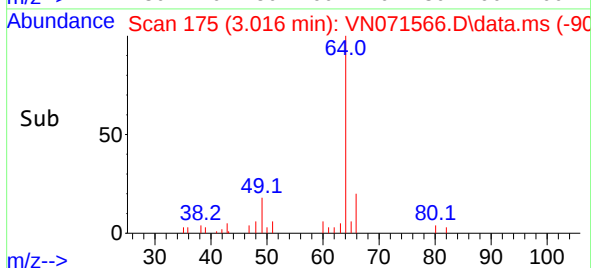
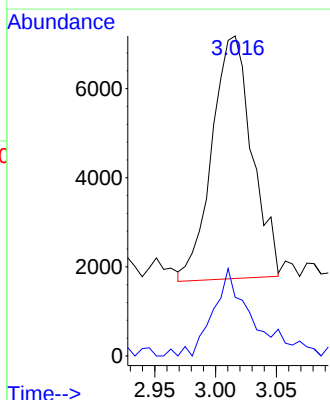
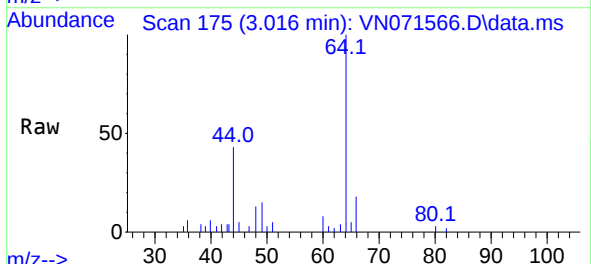
Manual Integrations
APPROVED

Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

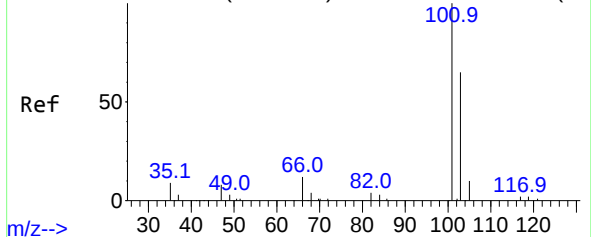


#6
Chloroethane
Concen: 2.305 ug/l
RT: 3.016 min Scan# 175
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Tgt Ion: 64 Resp: 12476
Ion Ratio Lower Upper
64 100
66 24.8 24.6 36.8



Abundance Scan 237 (3.381 min): VN071512.D\data.ms (-22



#7

Trichlorofluoromethane

Concen: 1.946 ug/l

RT: 3.369 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN071566.D

Acq: 26 Mar 2022 11:23

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022

Tgt Ion:101 Resp: 1917

Ion Ratio Lower Upper

101 100

103 58.7 50.1 75.1

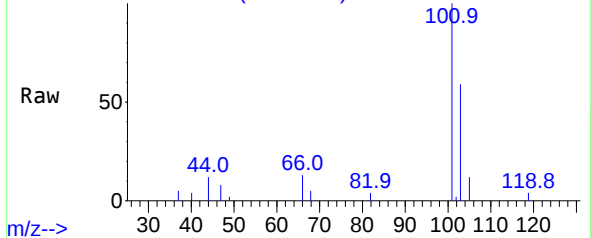
Manual Integrations

APPROVED

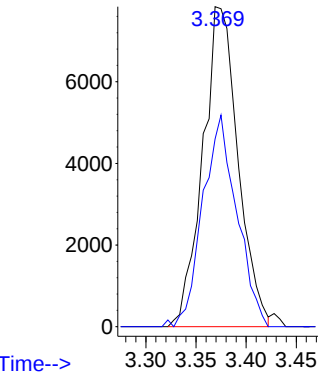
Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022

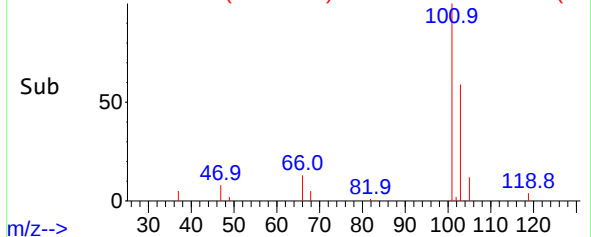
Abundance Scan 235 (3.369 min): VN071566.D\data.ms



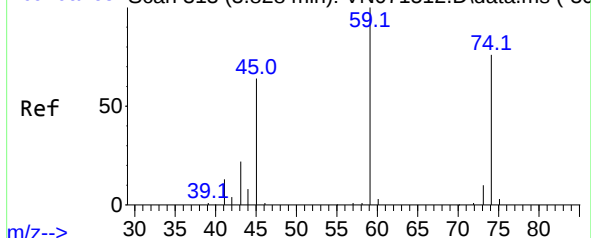
Abundance



Abundance Scan 235 (3.369 min): VN071566.D\data.ms (-15



Abundance Scan 313 (3.828 min): VN071512.D\data.ms (-30



#8

Diethyl Ether

Concen: 1.883 ug/l

RT: 3.822 min Scan# 312

Delta R.T. -0.006 min

Lab File: VN071566.D

Acq: 26 Mar 2022 11:23

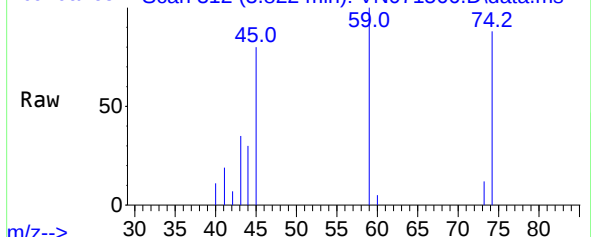
Tgt Ion: 74 Resp: 7799

Ion Ratio Lower Upper

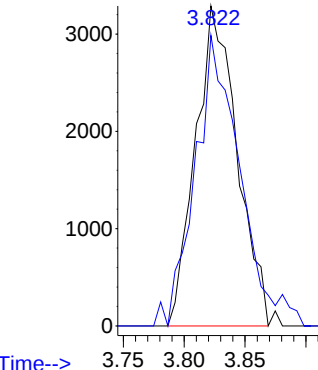
74 100

45 94.0 17.6 158.8

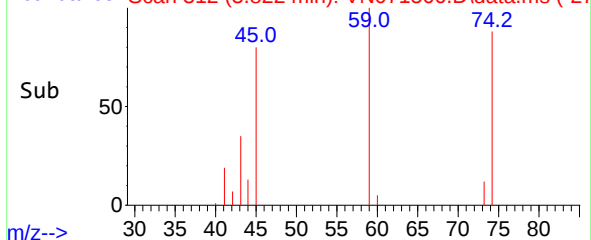
Abundance Scan 312 (3.822 min): VN071566.D\data.ms

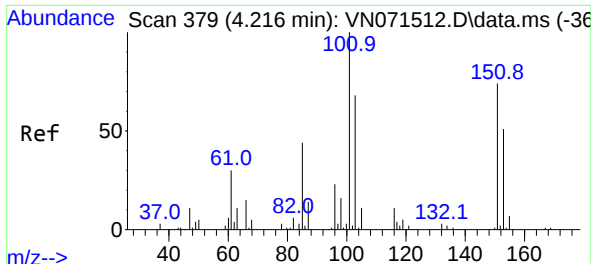


Abundance



Abundance Scan 312 (3.822 min): VN071566.D\data.ms (-27





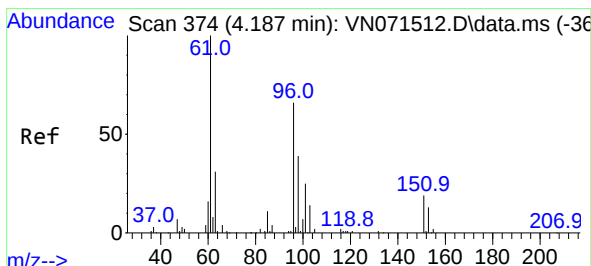
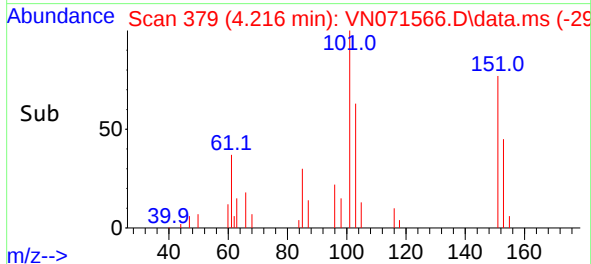
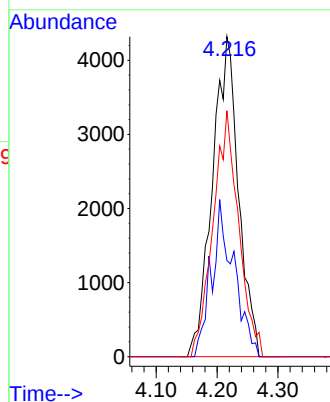
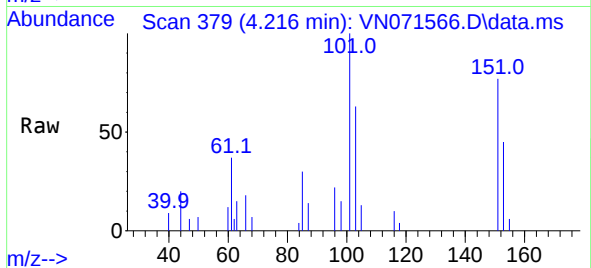
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.182 ug/l m
RT: 4.216 min Scan# 379
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion:101 Resp: 1288
Ion Ratio Lower Upper
101 100
85 17.0 0.0 94.0
151 0.0 0.0 74.6

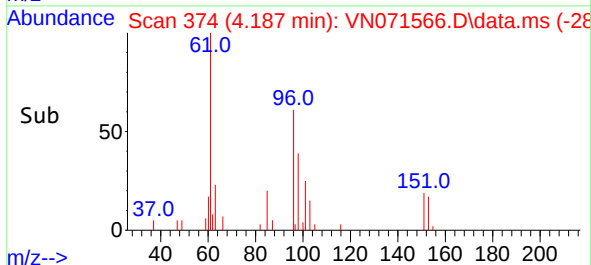
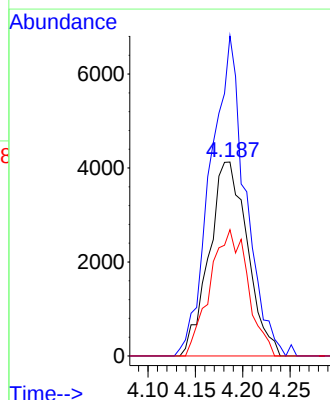
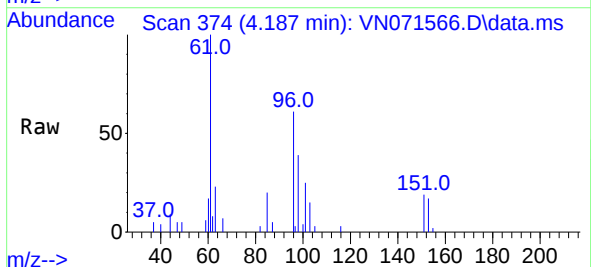
Manual Integrations
APPROVED

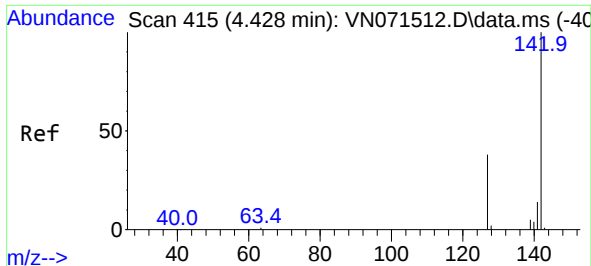
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#10
1,1-Dichloroethene
Concen: 1.993 ug/l
RT: 4.187 min Scan# 374
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

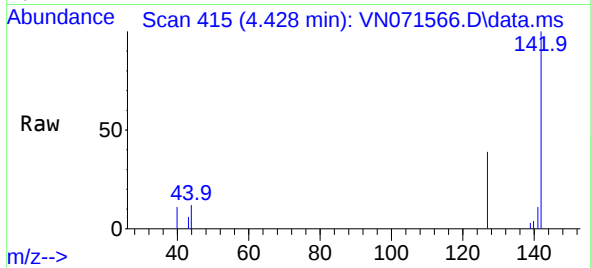
Tgt Ion: 96 Resp: 11601
Ion Ratio Lower Upper
96 100
61 154.9 126.2 189.4
98 62.5 50.9 76.3





#11
Methyl Iodide
Concen: 1.904 ug/l
RT: 4.428 min Scan# 415
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

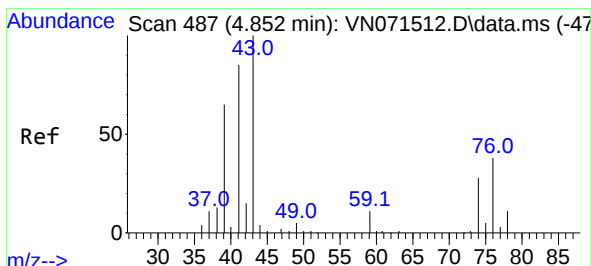
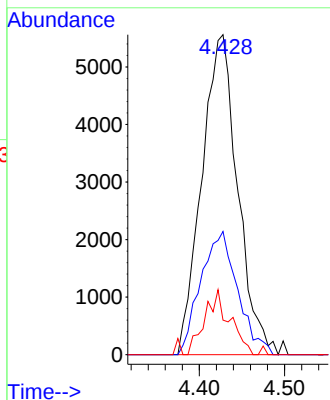
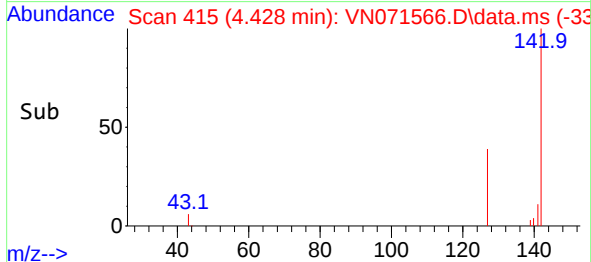
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



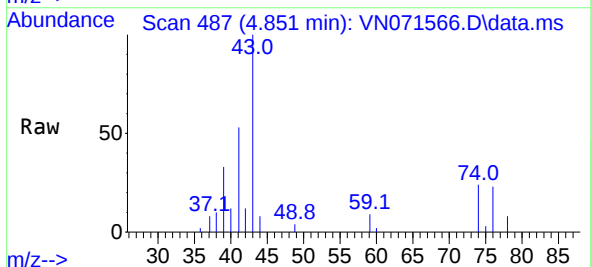
Tgt Ion:142 Resp: 16240
Ion Ratio Lower Upper
142 100
127 38.5 24.0 72.0
141 8.3 8.4 25.2

Manual Integrations
APPROVED

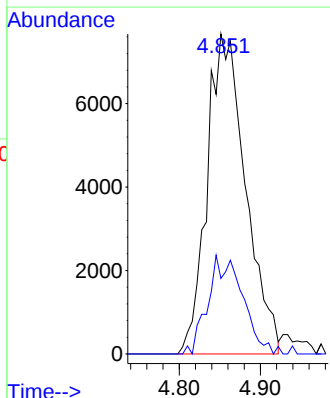
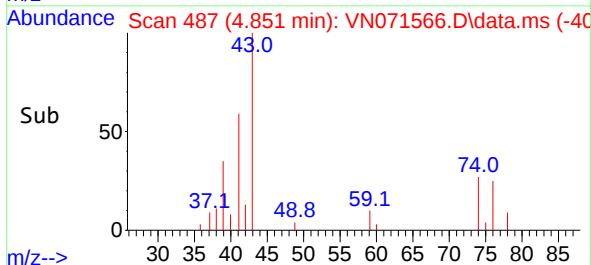
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

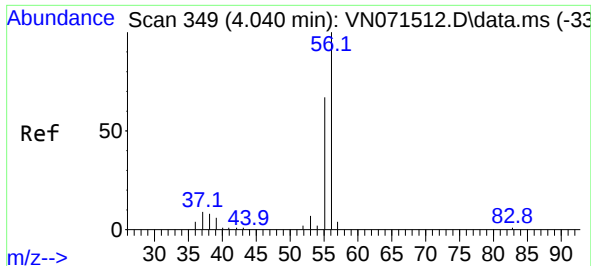


#12
Methyl Acetate
Concen: 3.081 ug/l
RT: 4.851 min Scan# 487
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



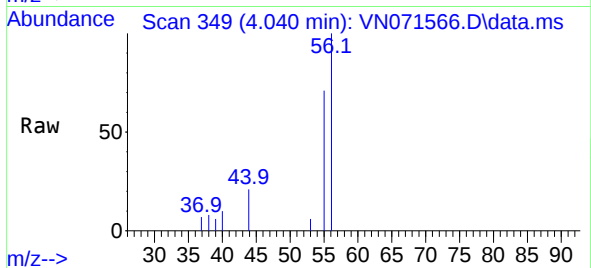
Tgt Ion: 43 Resp: 25273
Ion Ratio Lower Upper
43 100
74 22.9 20.8 31.2





#13
Acrolein
Concen: 9.688 ug/l
RT: 4.040 min Scan# 349
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

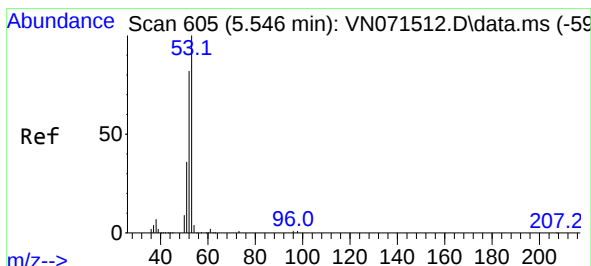
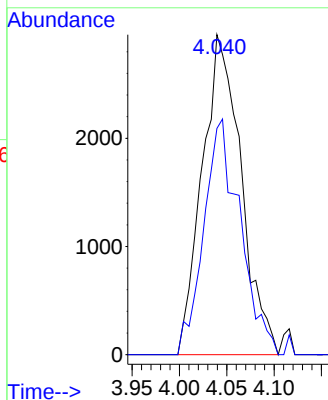
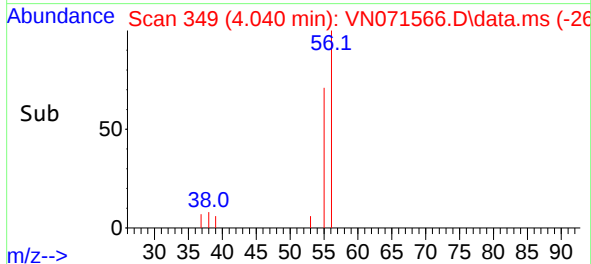
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



Tgt Ion: 56 Resp: 845
Ion Ratio Lower Upper
56 100
55 51.3 57.6 86.4

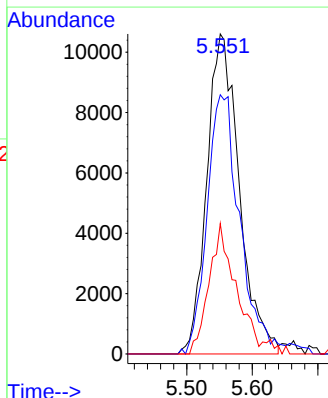
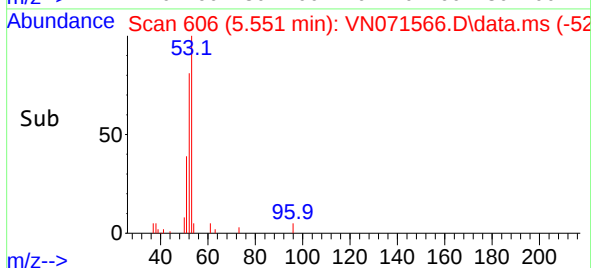
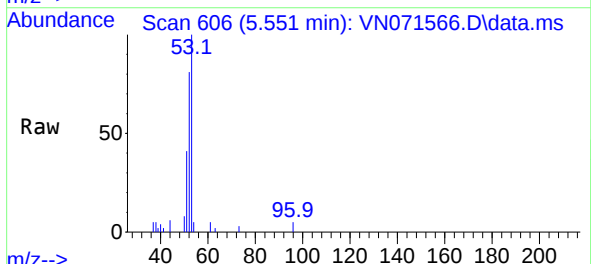
Manual Integrations
APPROVED

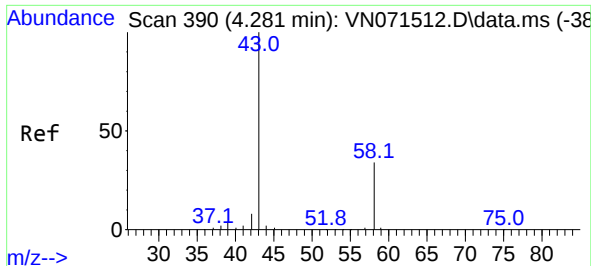
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#14
Acrylonitrile
Concen: 9.819 ug/l
RT: 5.551 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

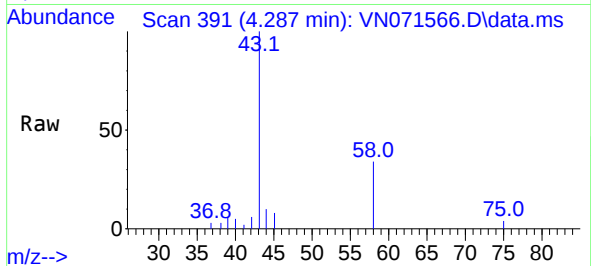
Tgt Ion: 53 Resp: 36481
Ion Ratio Lower Upper
53 100
52 80.5 41.8 125.4
51 33.4 19.0 57.0





#15
Acetone
Concen: 9.188 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

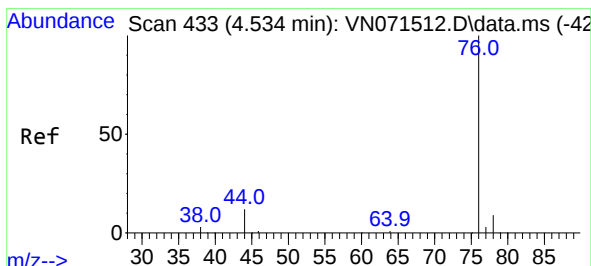
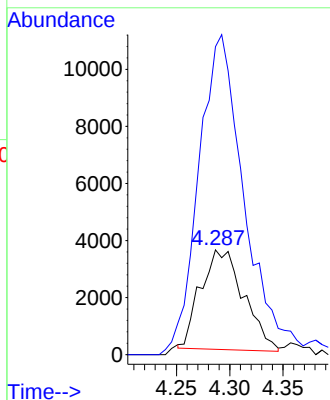
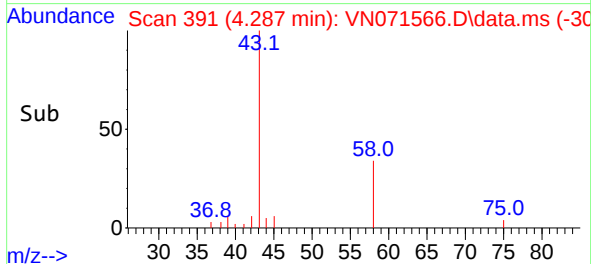
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



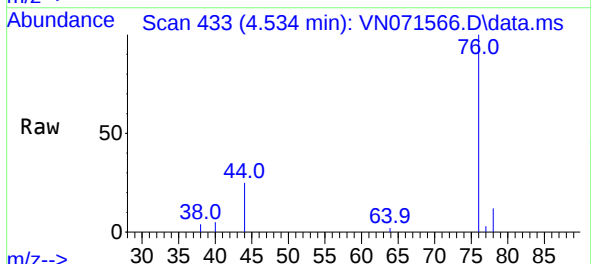
Tgt Ion: 58 Resp: 9824
Ion Ratio Lower Upper
58 100
43 287.2 256.6 384.8

Manual Integrations
APPROVED

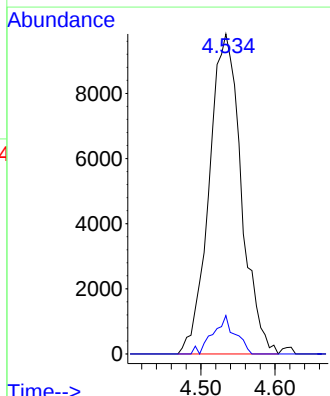
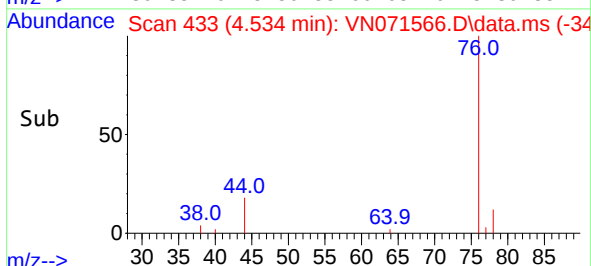
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

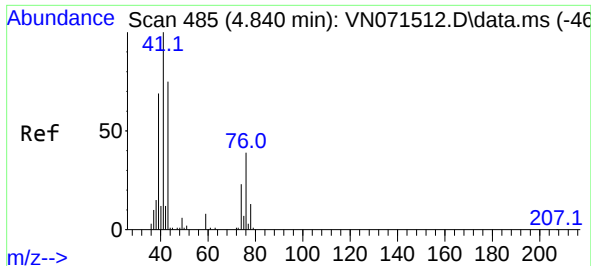


#16
Carbon Disulfide
Concen: 1.951 ug/l
RT: 4.534 min Scan# 433
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



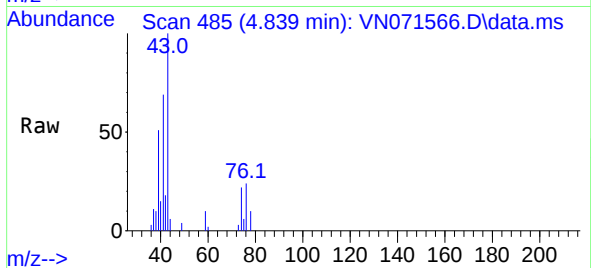
Tgt Ion: 76 Resp: 29574
Ion Ratio Lower Upper
76 100
78 12.0 7.8 11.8#





#17
Allyl chloride
Concen: 1.714 ug/l
RT: 4.839 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

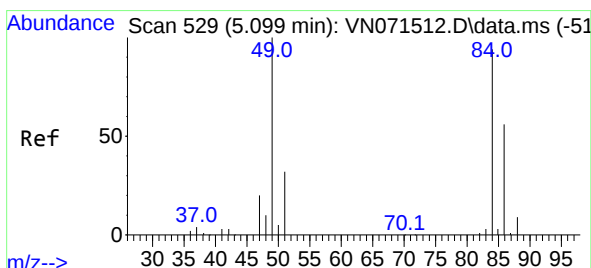
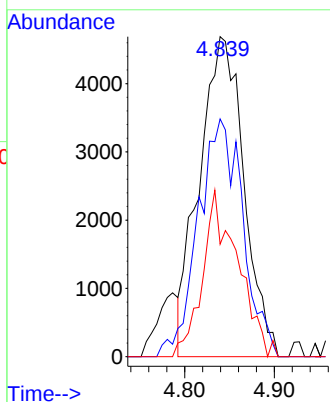
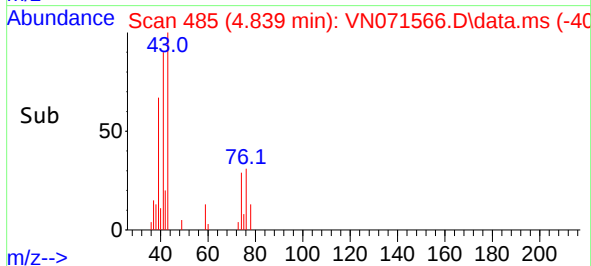
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 41 Resp: 1618
Ion Ratio Lower Upper
41 100
39 74.3 44.6 134.0
76 35.2 19.6 58.7

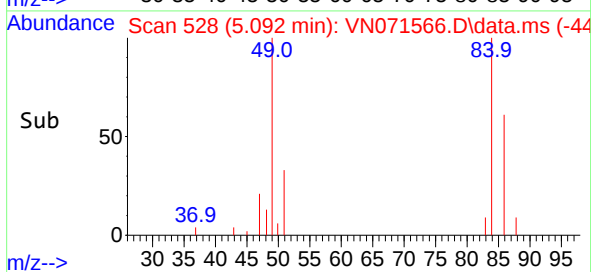
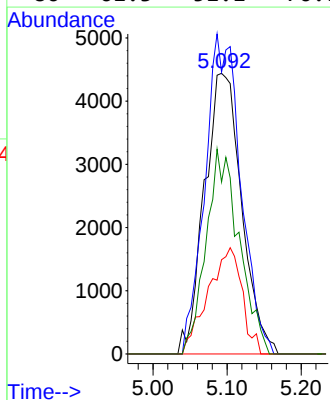
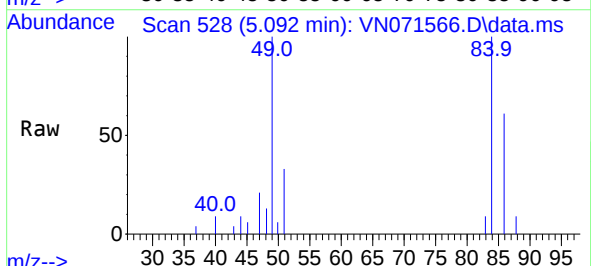
Manual Integrations
APPROVED

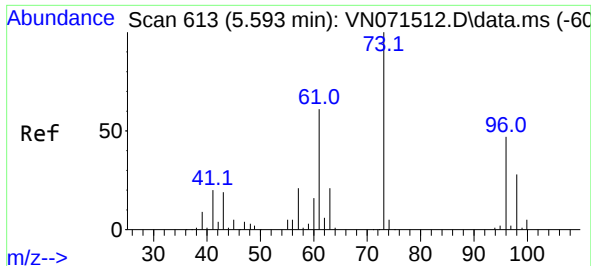
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#18
Methylene Chloride
Concen: 2.214 ug/l
RT: 5.092 min Scan# 528
Delta R.T. -0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

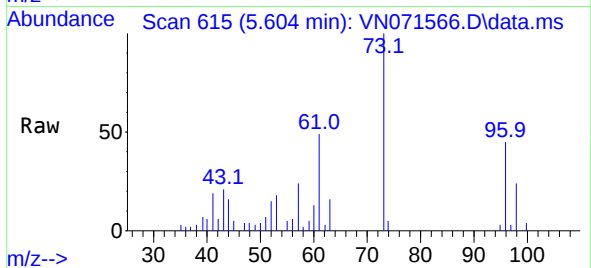
Tgt Ion: 84 Resp: 15458
Ion Ratio Lower Upper
84 100
49 100.4 91.4 137.0
51 33.6 29.4 44.0
86 61.3 51.1 76.7





#19
trans-1,2-Dichloroethene
Concen: 2.032 ug/l
RT: 5.604 min Scan# 613
Delta R.T. 0.011 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

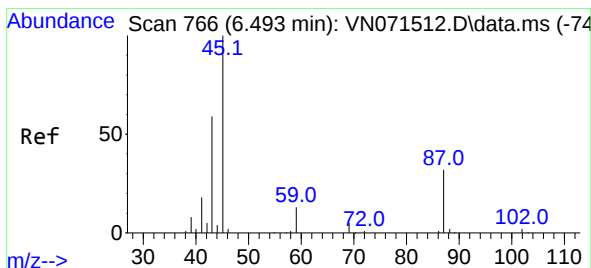
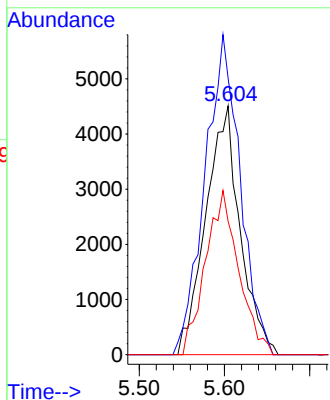
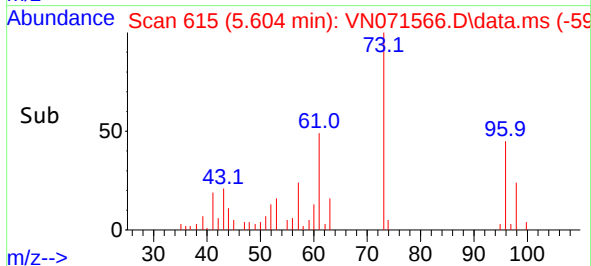
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



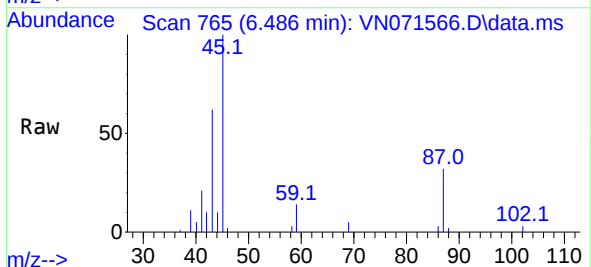
Tgt Ion: 96 Resp: 12650
Ion Ratio Lower Upper
96 100
61 111.1 102.8 154.2
98 53.6 49.3 73.9

Manual Integrations
APPROVED

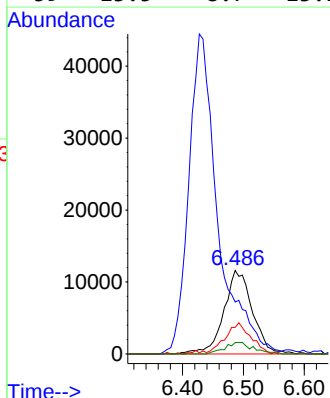
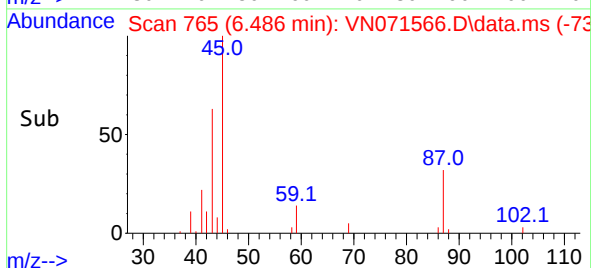
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

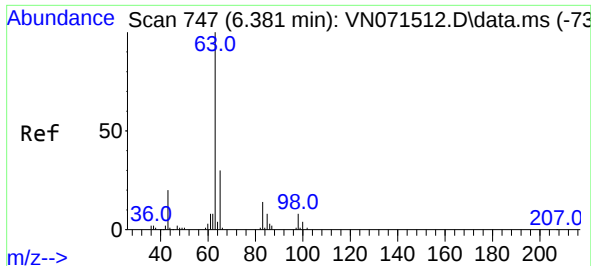


#20
Diisopropyl ether
Concen: 1.902 ug/l
RT: 6.486 min Scan# 765
Delta R.T. -0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



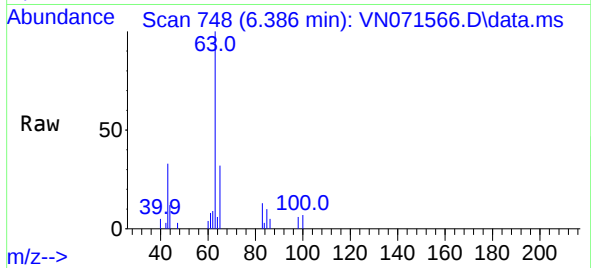
Tgt Ion: 45 Resp: 37565
Ion Ratio Lower Upper
45 100
43 57.8 51.0 76.4
87 31.9 25.0 37.4
59 13.5 8.7 13.1#





#21
1,1-Dichloroethane
Concen: 2.007 ug/l
RT: 6.386 min Scan# 747
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

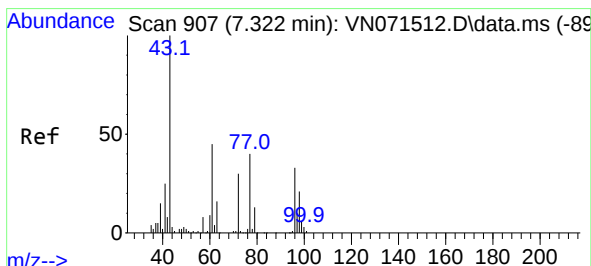
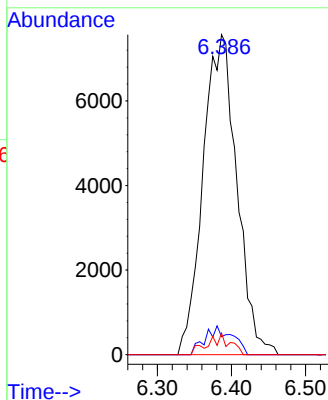
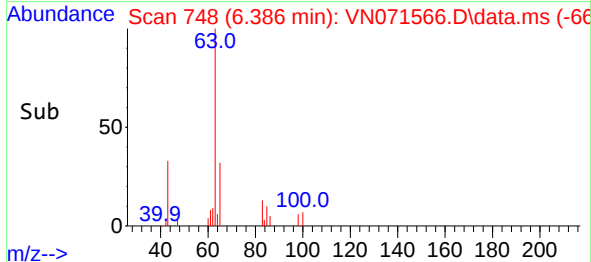
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 63 Resp: 2394
Ion Ratio Lower Upper
63 100
98 5.7 3.2 9.6
100 6.7 2.1 6.2

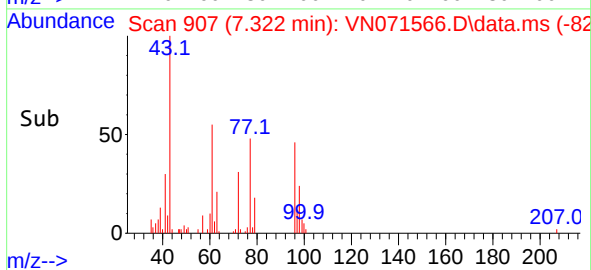
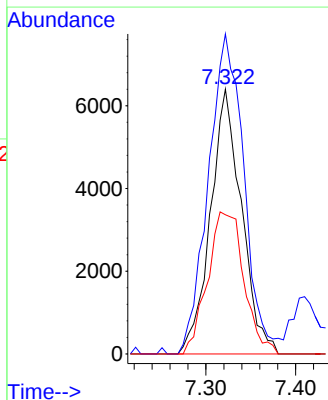
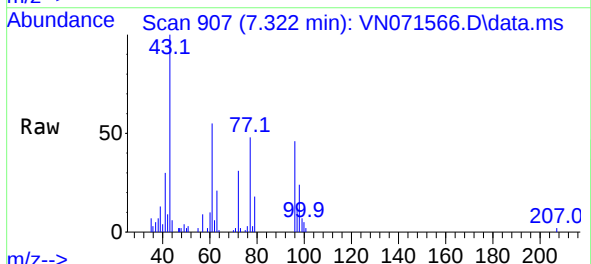
Manual Integrations
APPROVED

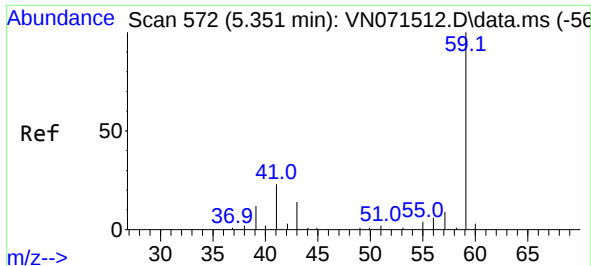
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#22
cis-1,2-Dichloroethene
Concen: 2.037 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Tgt Ion: 96 Resp: 15408
Ion Ratio Lower Upper
96 100
61 138.7 115.7 173.5
98 41.7 51.6 77.4





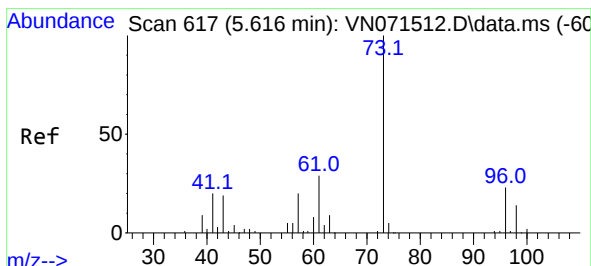
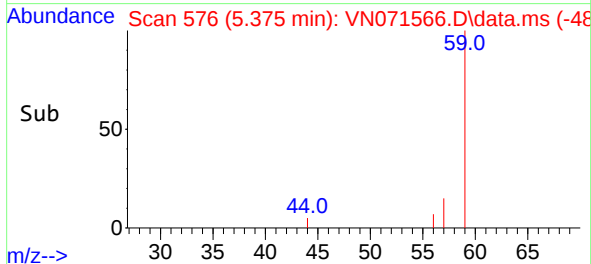
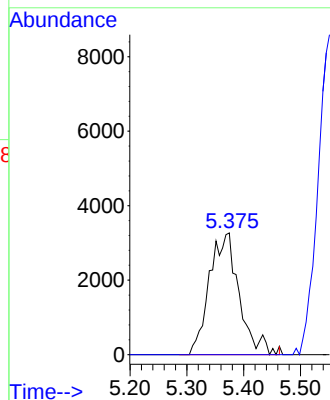
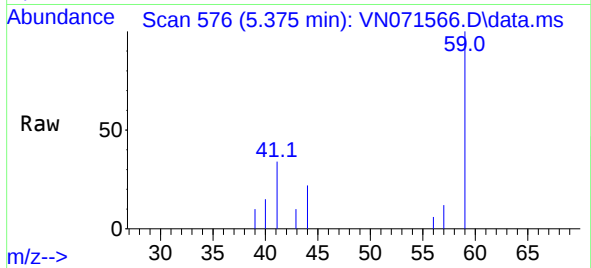
#23
tert-Butyl Alcohol
Concen: 8.967 ug/l m
RT: 5.375 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion: 59 Resp: 1188
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

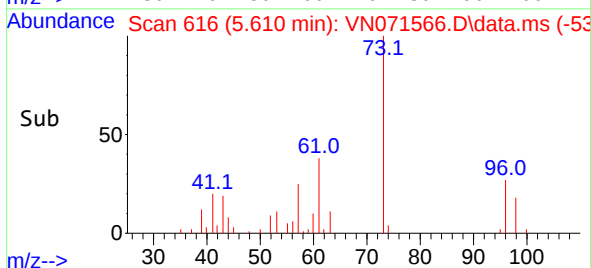
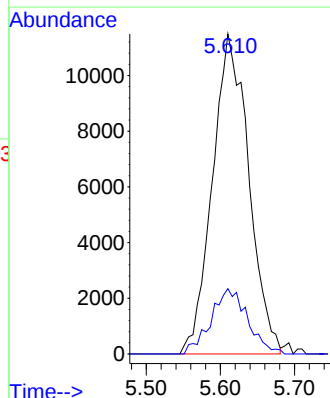
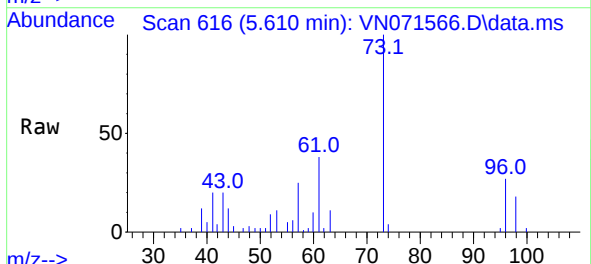
Manual Integrations
APPROVED

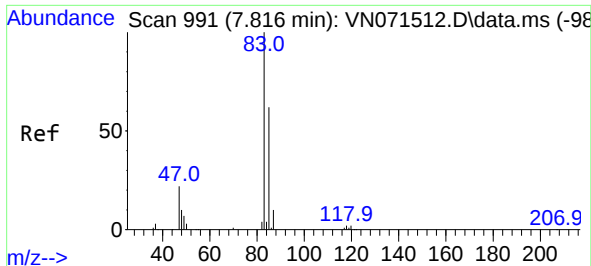
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#24
Methyl tert-Butyl Ether
Concen: 1.861 ug/l
RT: 5.610 min Scan# 616
Delta R.T. -0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

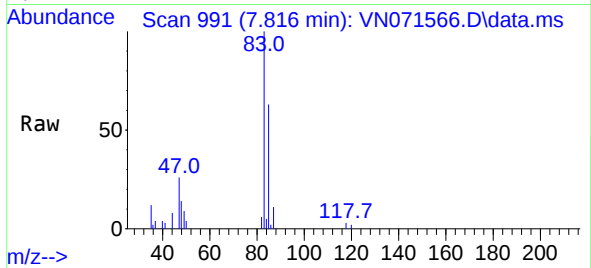
Tgt Ion: 73 Resp: 39094
Ion Ratio Lower Upper
73 100
43 17.8 18.1 27.1#





#25
Chloroform
Concen: 2.004 ug/l
RT: 7.816 min Scan# 991
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

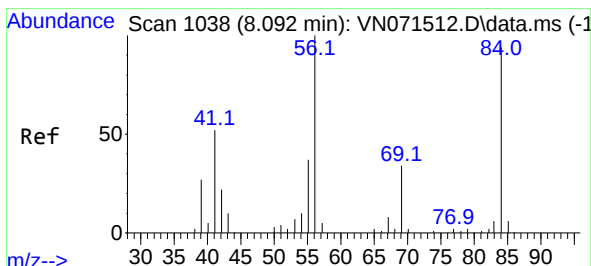
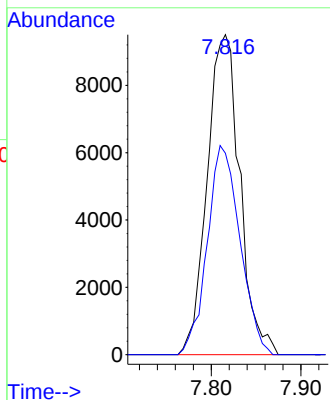
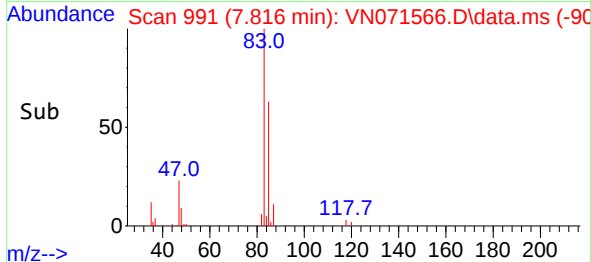
Instrument : MSVOA_N
Client SampleId : MDL-WATER-03-QT1-2022



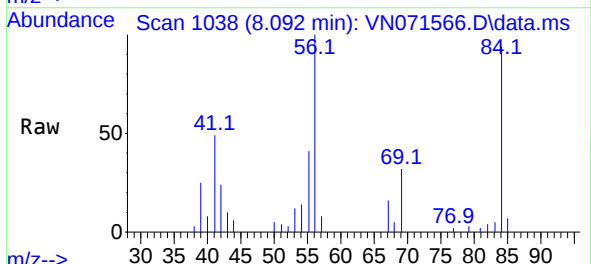
Tgt Ion: 83 Resp: 2404
Ion Ratio Lower Upper
83 100
85 62.9 51.3 76.9

Manual Integrations
APPROVED

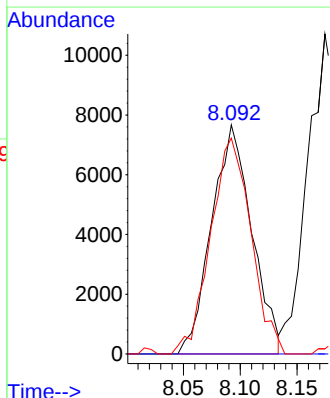
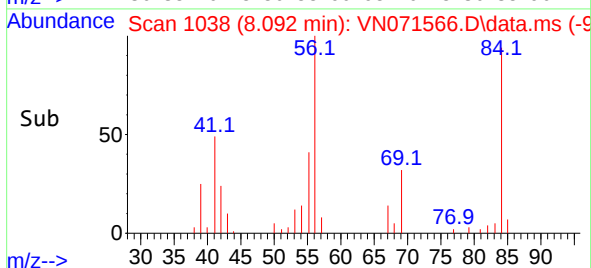
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

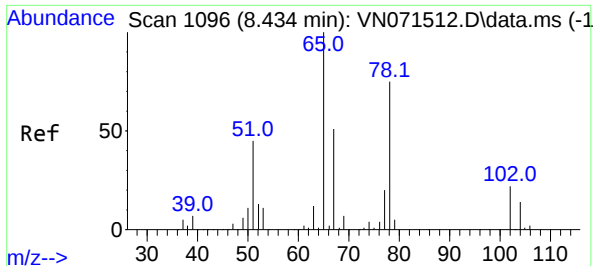


#26
Cyclohexane
Concen: 1.832 ug/l
RT: 8.092 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



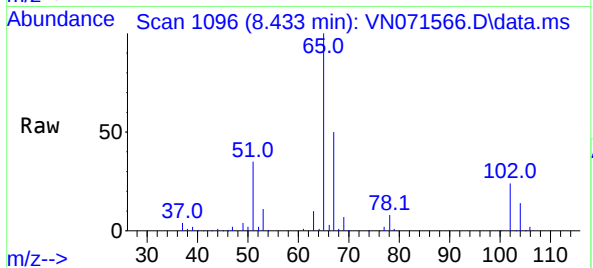
Tgt Ion: 56 Resp: 18884
Ion Ratio Lower Upper
56 100
89 0.0 0.1 0.1#
84 91.9 74.6 111.8





#27
1,2-Dichloroethane-d4
Concen: 30.283 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

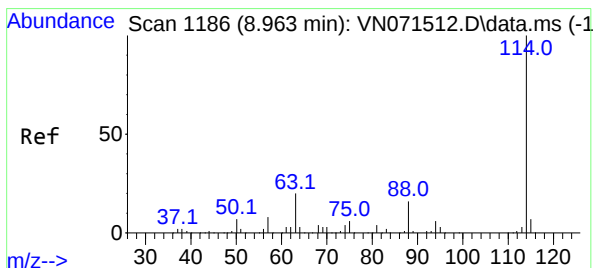
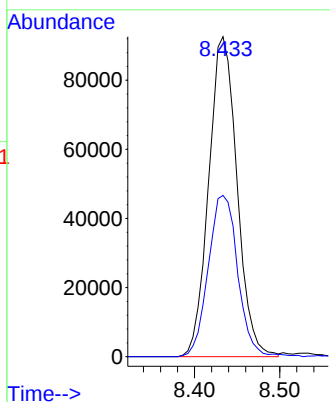
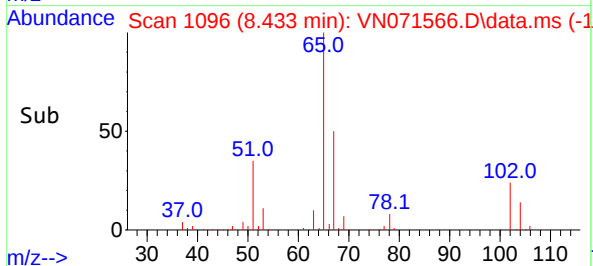
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



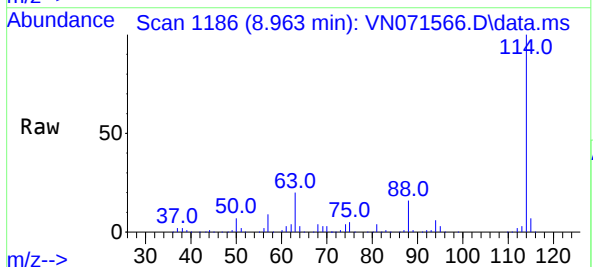
Tgt Ion: 65 Resp: 214372
Ion Ratio Lower Upper
65 100
67 51.9 40.2 60.2

Manual Integrations
APPROVED

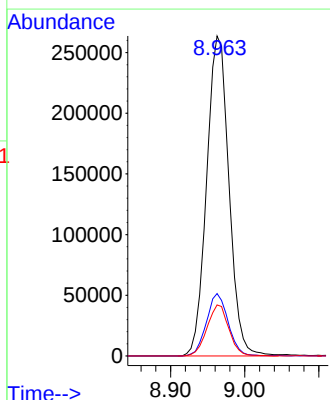
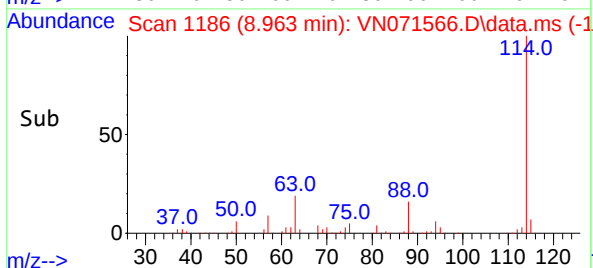
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

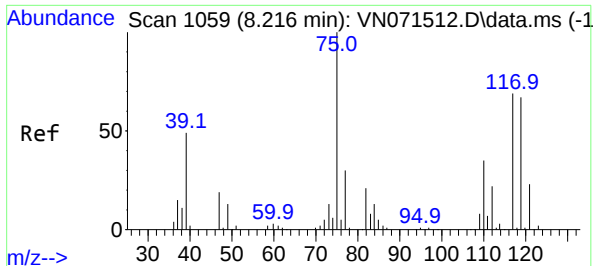


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion:114 Resp: 551509
Ion Ratio Lower Upper
114 100
63 19.0 15.8 23.6
88 15.6 11.6 17.4





#29
1,1-Dichloropropene
Concen: 1.839 ug/l
RT: 8.216 min Scan# 1059
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

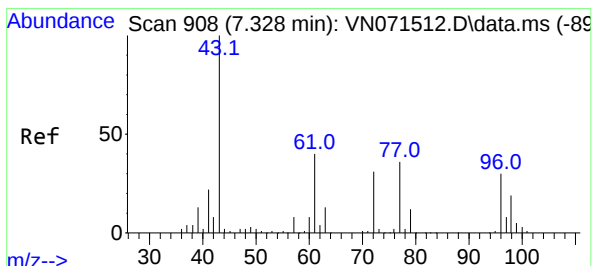
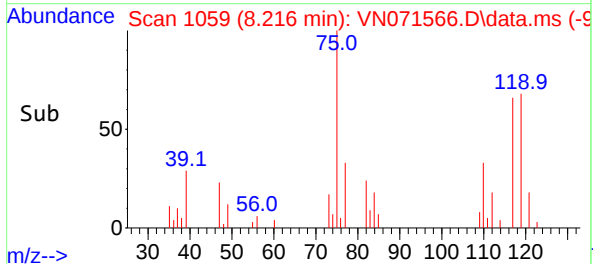
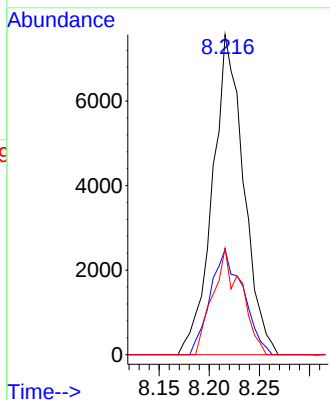
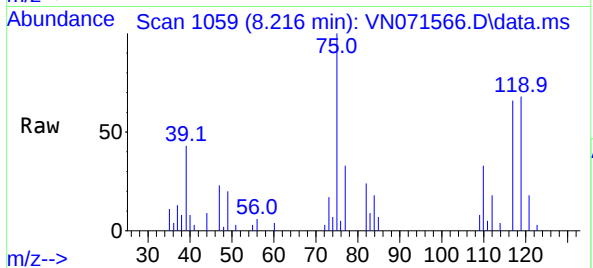
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion: 75 Resp: 1641

Ion	Ratio	Lower	Upper
75	100		
110	34.6	0.0	74.2
77	19.3	0.0	63.2

Manual Integrations
APPROVED

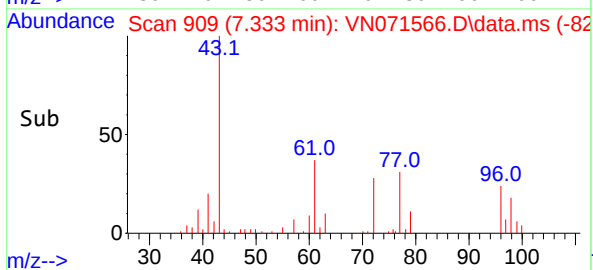
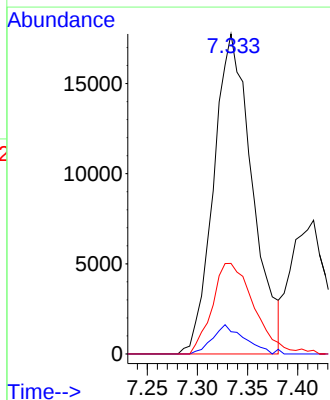
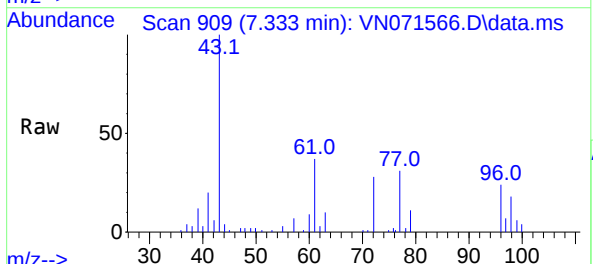
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

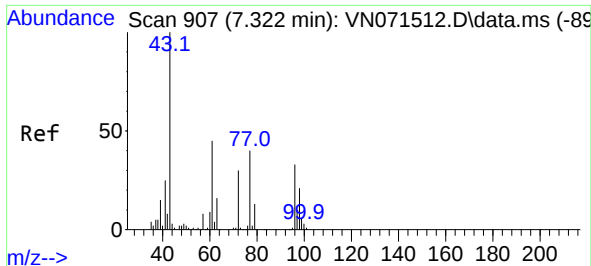


#30
2-Butanone
Concen: 9.575 ug/l
RT: 7.333 min Scan# 909
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Tgt Ion: 43 Resp: 47578

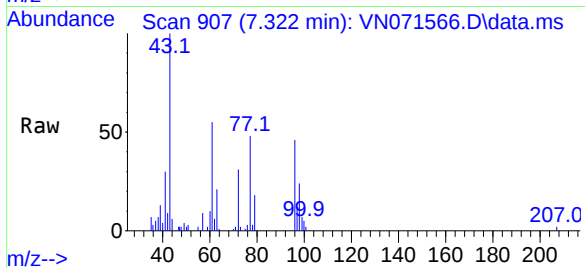
Ion	Ratio	Lower	Upper
43	100		
57	7.5	6.7	10.1
72	30.3	23.2	34.8





#31
2,2-Dichloropropane
Concen: 1.933 ug/l
RT: 7.322 min Scan# 907
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

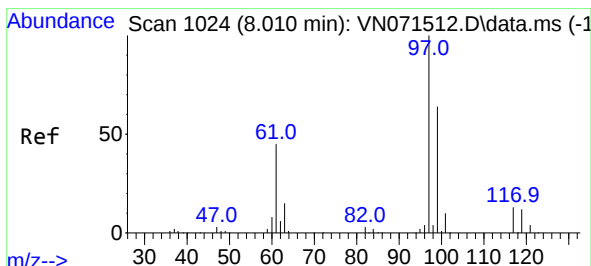
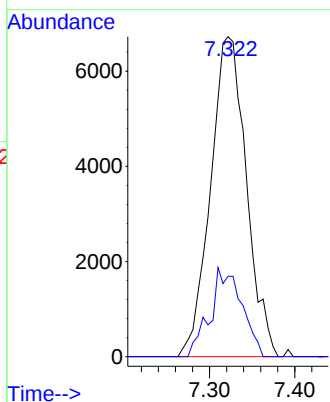
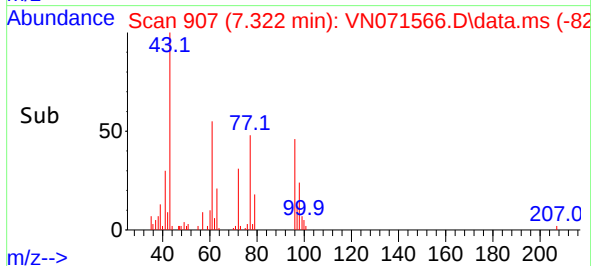
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



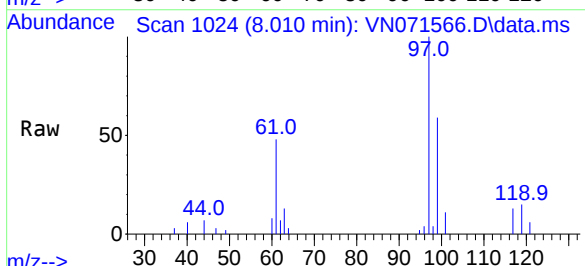
Tgt Ion: 77 Resp: 1966
Ion Ratio Lower Upper
77 100
97 3.9 18.3 27.5

Manual Integrations
APPROVED

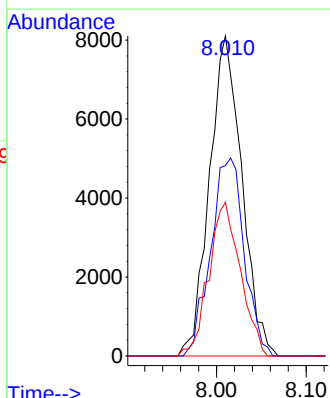
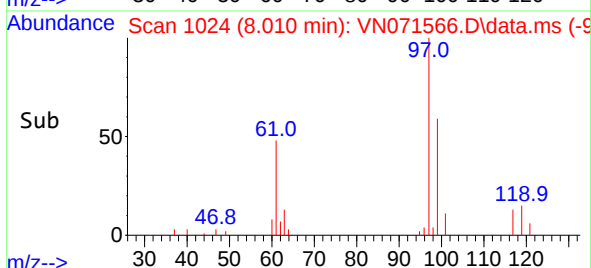
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

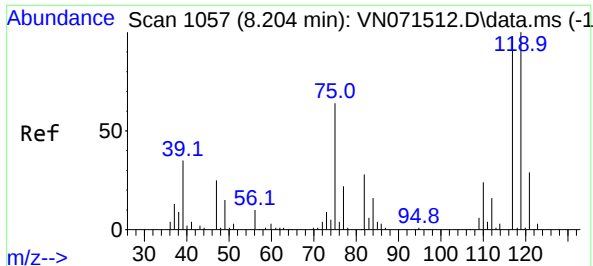


#32
1,1,1-Trichloroethane
Concen: 1.958 ug/l
RT: 8.010 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



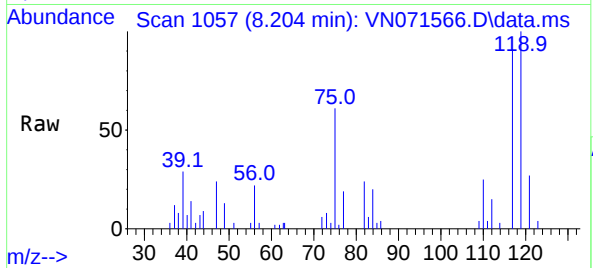
Tgt Ion: 97 Resp: 20354
Ion Ratio Lower Upper
97 100
99 63.9 50.4 75.6
61 46.8 34.6 51.8





#33
Carbon Tetrachloride
Concen: 1.867 ug/l
RT: 8.204 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

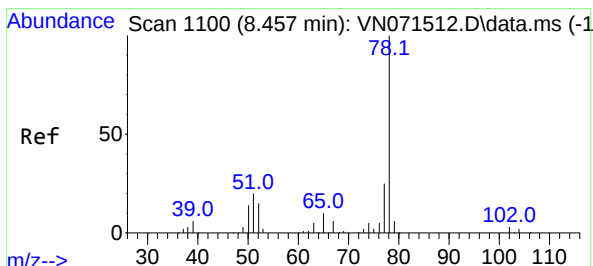
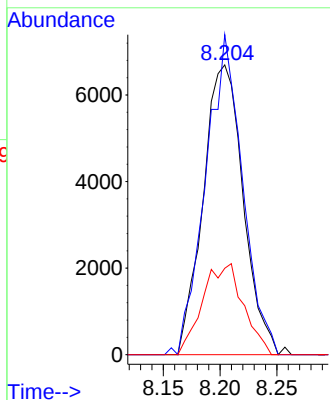
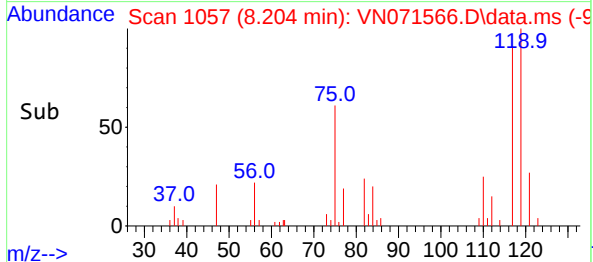
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



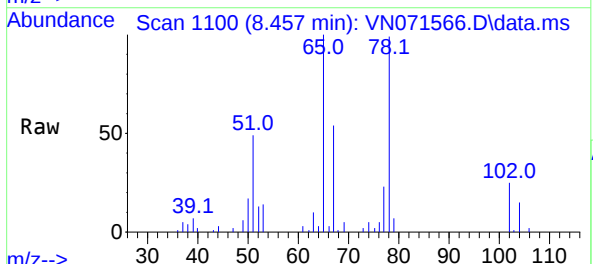
Tgt Ion: 117 Resp: 16430
Ion Ratio Lower Upper
117 100
119 110.4 77.5 116.3
121 29.8 23.5 35.3

Manual Integrations
APPROVED

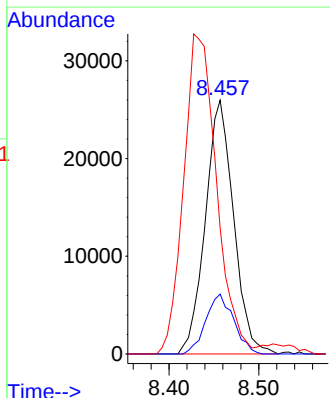
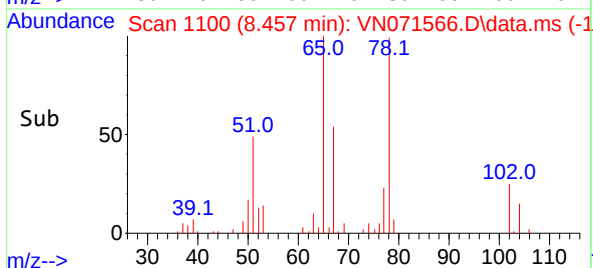
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

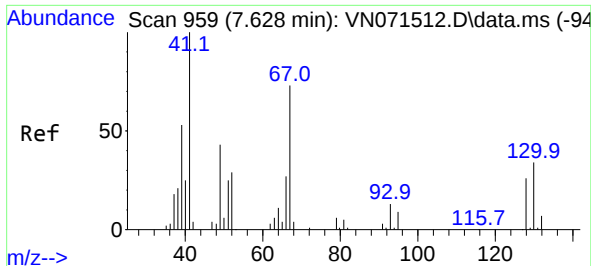


#34
Benzene
Concen: 2.052 ug/l
RT: 8.457 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



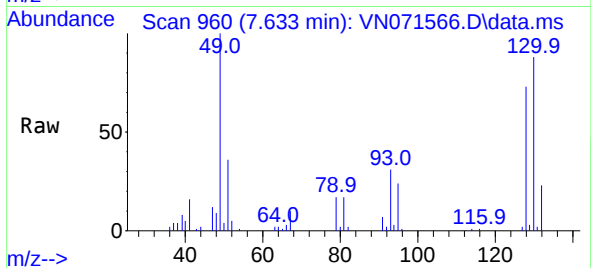
Tgt Ion: 78 Resp: 56912
Ion Ratio Lower Upper
78 100
77 23.6 19.1 28.7
51 46.1 16.0 24.0#





#35
Methacrylonitrile
Concen: 1.546 ug/l
RT: 7.633 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

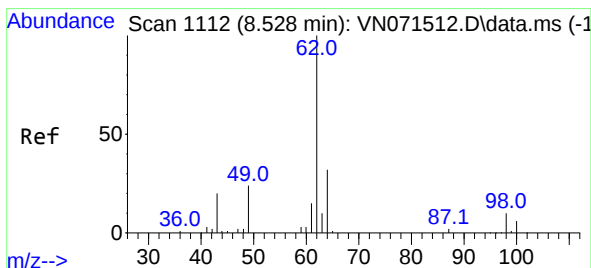
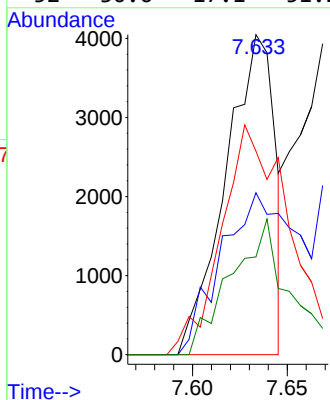
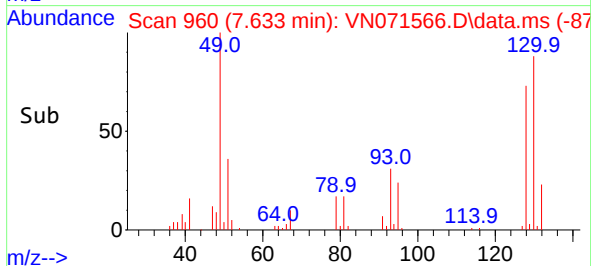
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 41 Resp: 737
Ion Ratio Lower Upper
41 100
39 50.6 28.0 83.9
67 59.5 37.7 113.1
52 30.6 17.1 51.2

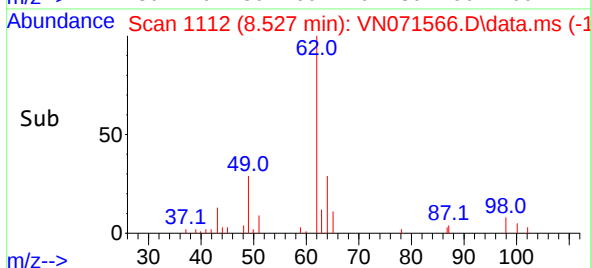
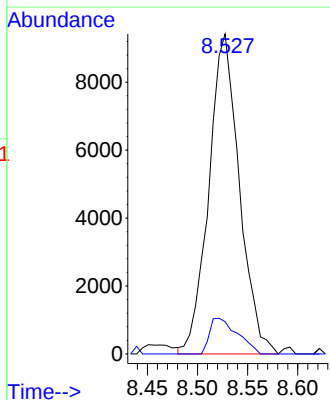
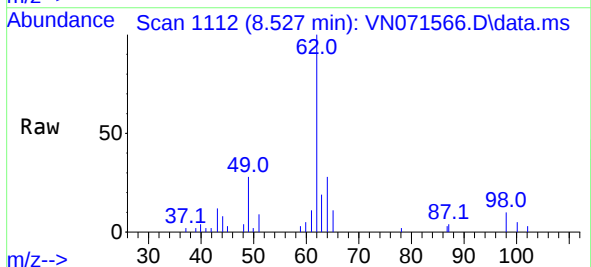
Manual Integrations
APPROVED

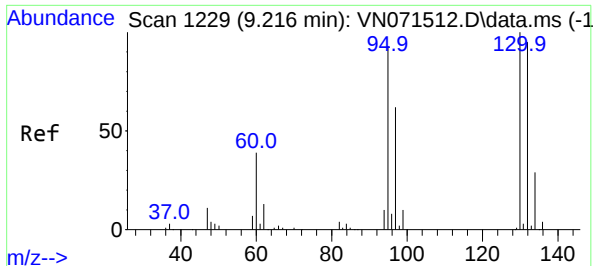
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#36
1,2-Dichloroethane
Concen: 2.063 ug/l
RT: 8.527 min Scan# 1112
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

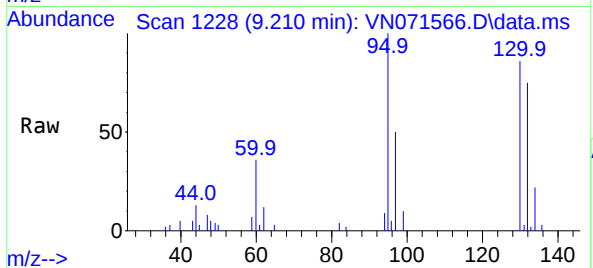
Tgt Ion: 62 Resp: 19957
Ion Ratio Lower Upper
62 100
98 10.1 6.6 10.0#





#37
Trichloroethene
Concen: 2.002 ug/l
RT: 9.210 min Scan# 1229
Delta R.T. -0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

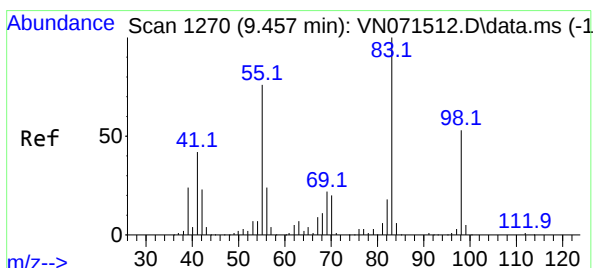
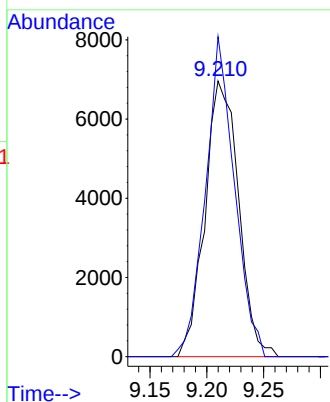
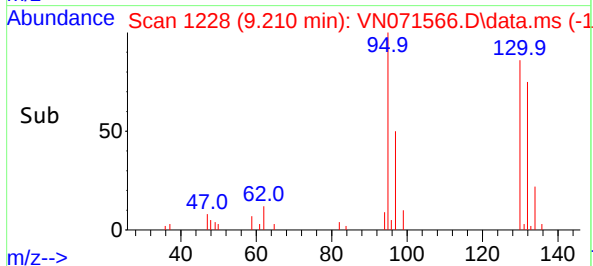
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



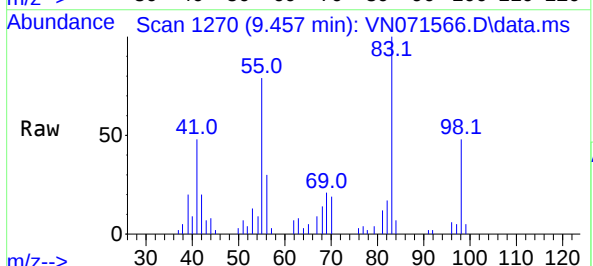
Tgt Ion:130 Resp: 1432
Ion Ratio Lower Upper
130 100
95 116.1 76.6 115.0

Manual Integrations
APPROVED

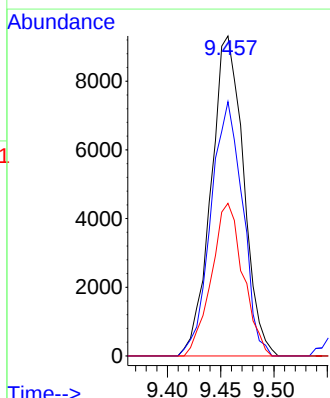
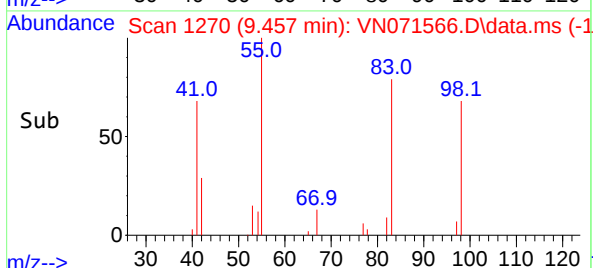
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

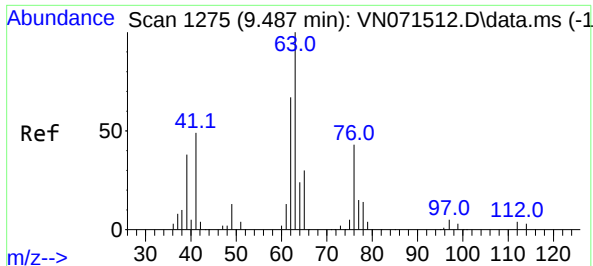


#38
Methylcyclohexane
Concen: 1.752 ug/l
RT: 9.457 min Scan# 1270
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion: 83 Resp: 19711
Ion Ratio Lower Upper
83 100
55 78.0 35.1 105.3
98 46.7 23.4 70.2





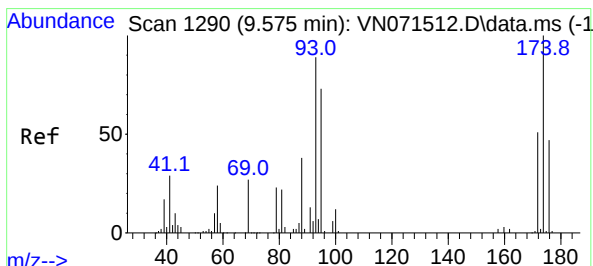
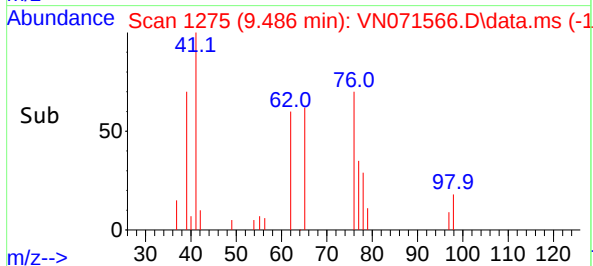
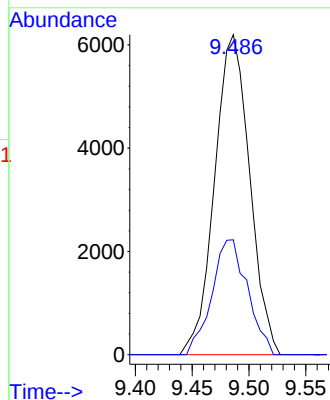
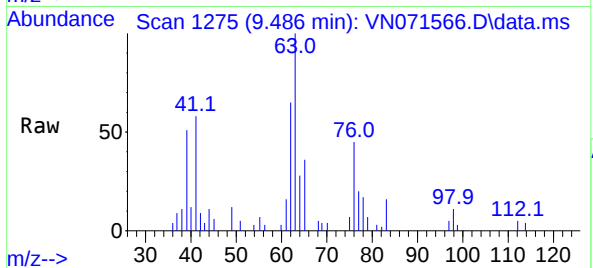
#39
1,2-Dichloropropane
Concen: 1.917 ug/l
RT: 9.486 min Scan# 1275
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion: 63 Resp: 1330
Ion Ratio Lower Upper
63 100
65 35.9 24.2 36.4

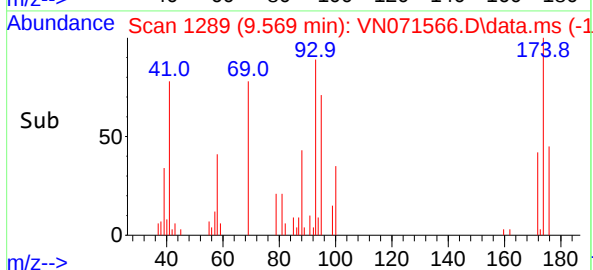
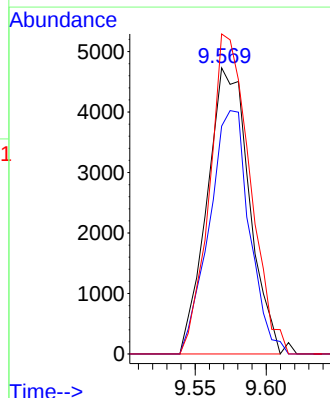
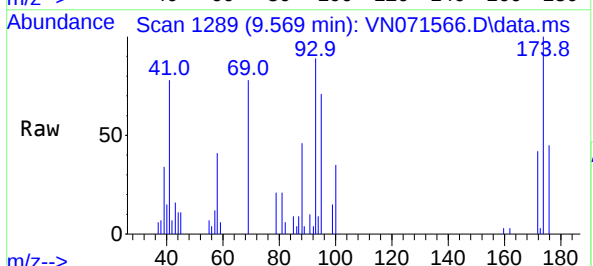
Manual Integrations
APPROVED

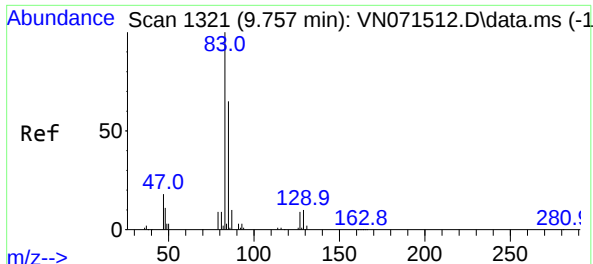
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#40
Dibromomethane
Concen: 2.067 ug/l
RT: 9.569 min Scan# 1289
Delta R.T. -0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

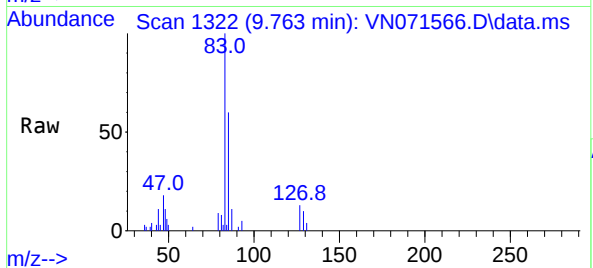
Tgt Ion: 93 Resp: 9708
Ion Ratio Lower Upper
93 100
95 81.4 0.0 168.8
174 107.4 0.0 173.6





#41
Bromodichloromethane
Concen: 1.865 ug/l
RT: 9.763 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

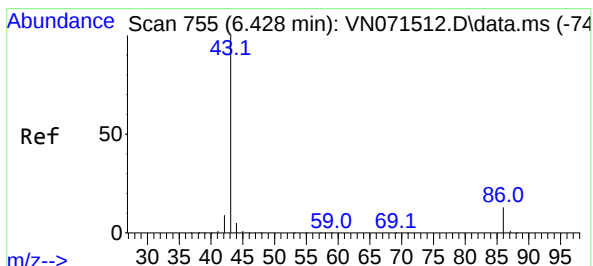
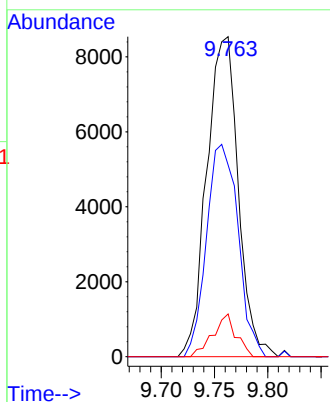
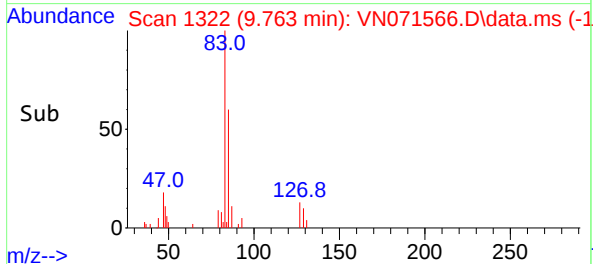
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion: 83 Resp: 17520
Ion Ratio Lower Upper
83 100
85 59.9 54.1 81.1
127 13.4 7.6 11.4

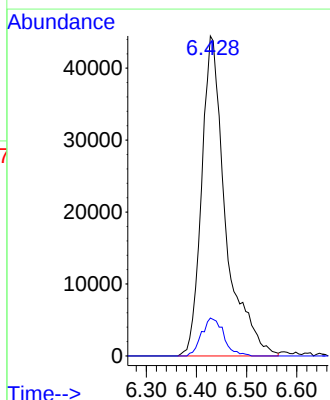
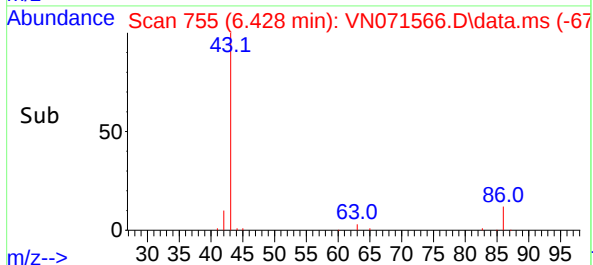
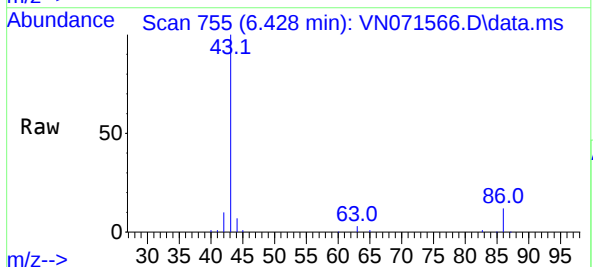
Manual Integrations
APPROVED

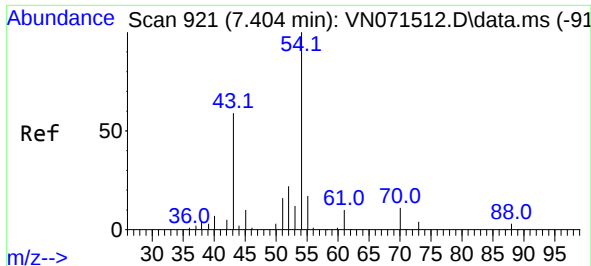
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#42
Vinyl Acetate
Concen: 8.683 ug/l
RT: 6.428 min Scan# 755
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

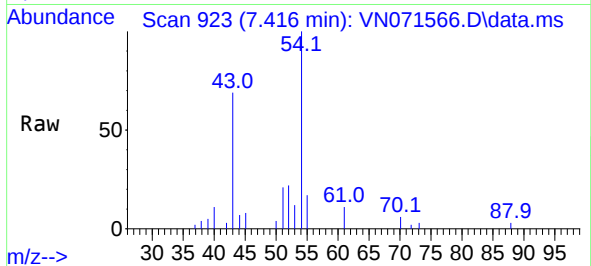
Tgt Ion: 43 Resp: 147832
Ion Ratio Lower Upper
43 100
86 10.9 7.5 11.3





#43
Ethyl Acetate
Concen: 2.010 ug/l
RT: 7.416 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

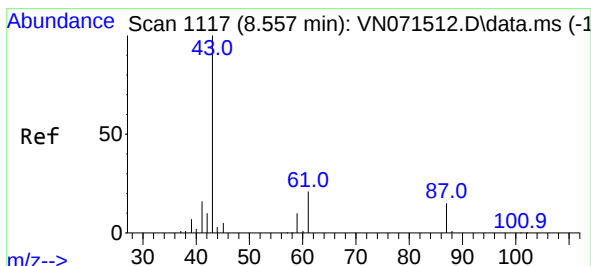
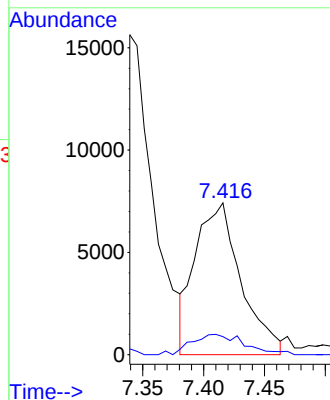
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



Tgt Ion: 43 Resp: 1936
Ion Ratio Lower Upper
43 100
45 10.6 10.6 16.0

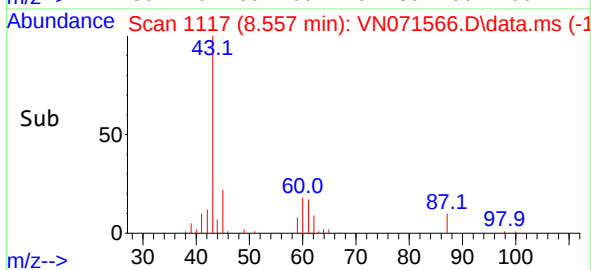
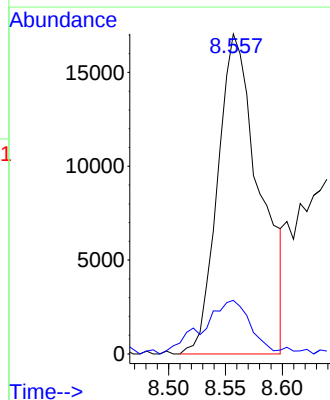
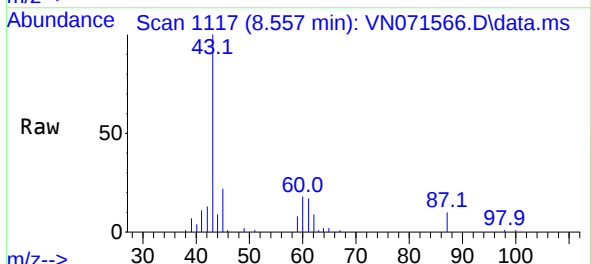
Manual Integrations
APPROVED

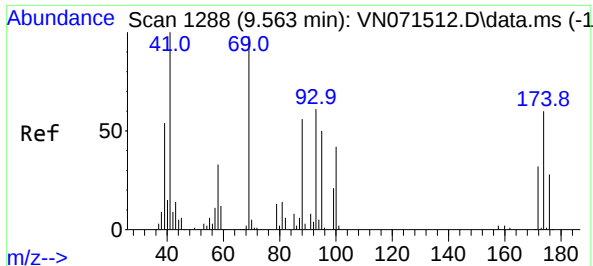
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#44
Isopropyl Acetate
Concen: 2.840 ug/l
RT: 8.557 min Scan# 1117
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

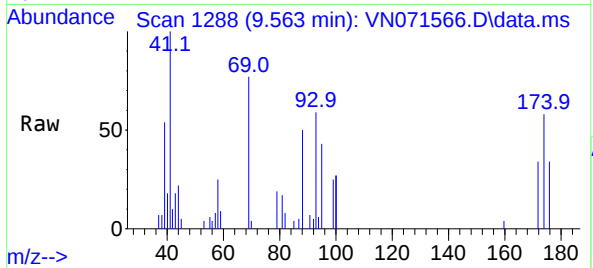
Tgt Ion: 43 Resp: 43883
Ion Ratio Lower Upper
43 100
61 15.0 20.1 30.1





#45
1,4-Dioxane
Concen: 36.493 ug/l
RT: 9.563 min Scan# 1288
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

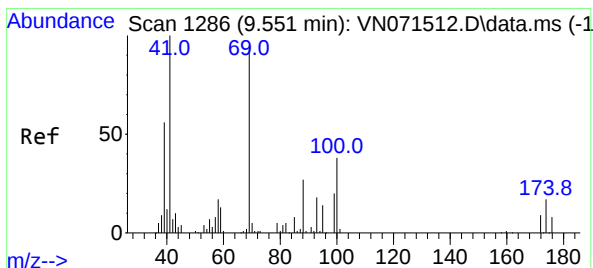
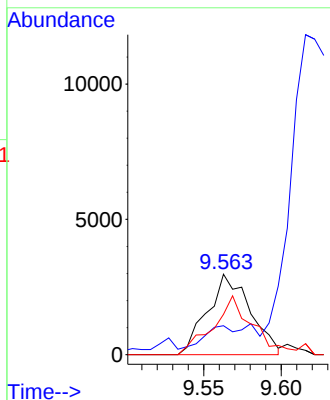
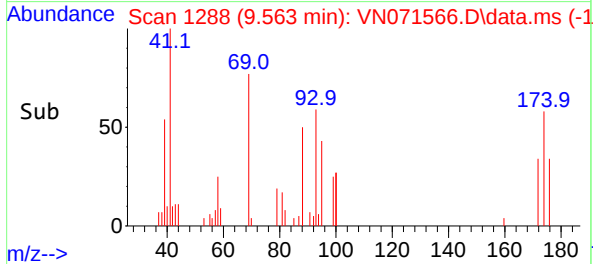
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



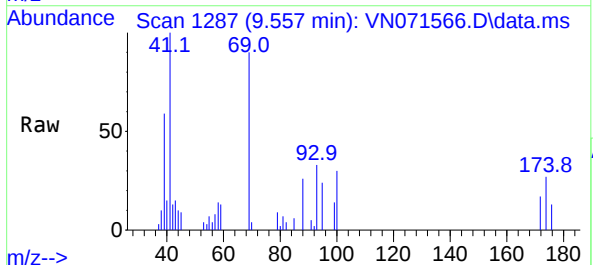
Tgt Ion: 88 Resp: 5690
Ion Ratio Lower Upper
88 100
43 24.7 25.0 37.6
58 63.4 49.4 74.2

Manual Integrations
APPROVED

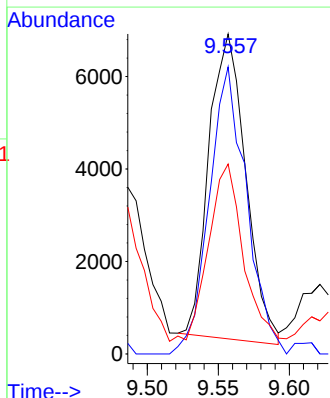
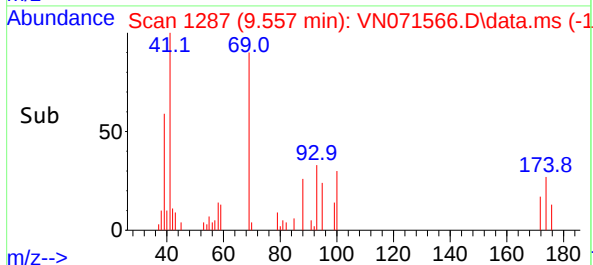
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

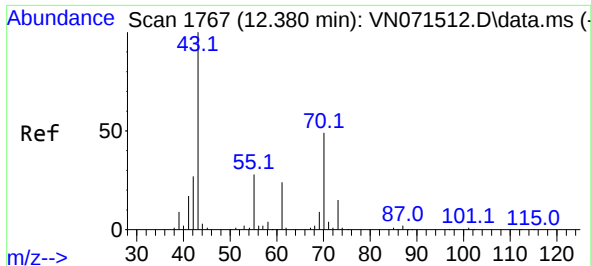


#46
Methyl methacrylate
Concen: 1.751 ug/l
RT: 9.557 min Scan# 1287
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



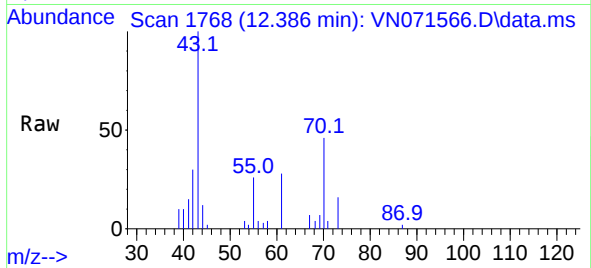
Tgt Ion: 41 Resp: 11869
Ion Ratio Lower Upper
41 100
69 93.5 44.4 133.2
39 58.2 39.9 119.6





#47
n-amy1 Acetate
Concen: 1.352 ug/l
RT: 12.386 min Scan# 1768
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

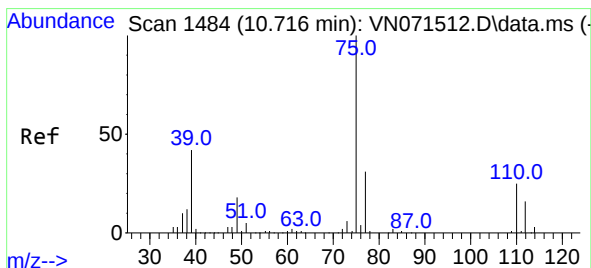
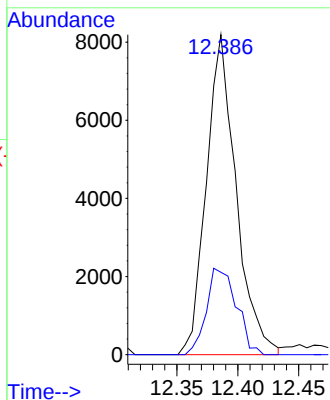
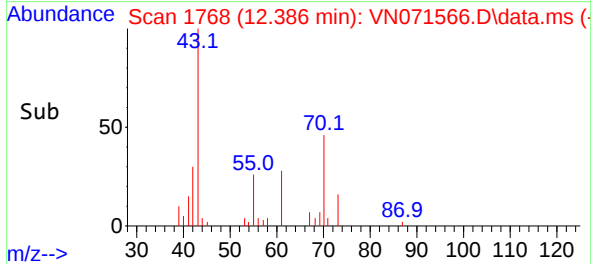
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



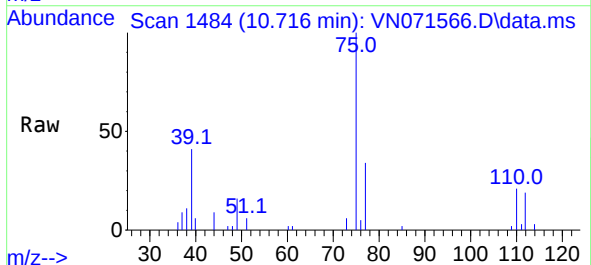
Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
55 27.3 19.0 28.6

Manual Integrations
APPROVED

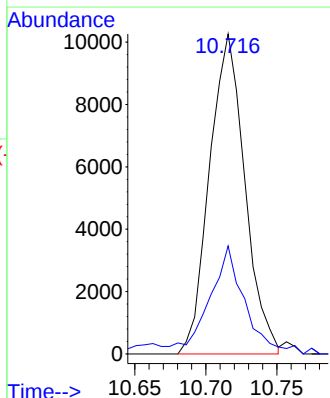
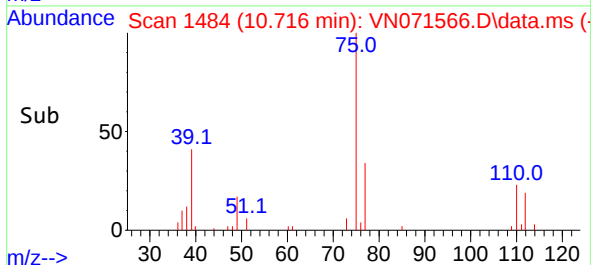
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

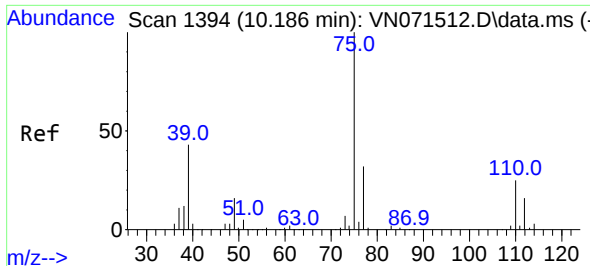


#48
t-1,3-Dichloropropene
Concen: 1.739 ug/l
RT: 10.716 min Scan# 1484
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



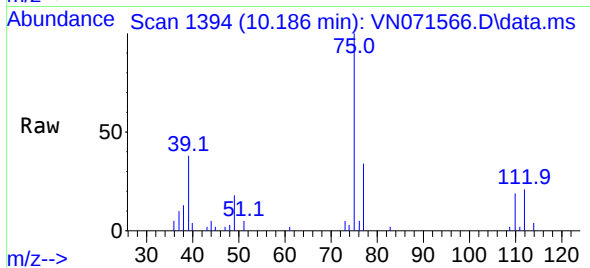
Tgt Ion: 75 Resp: 17763
Ion Ratio Lower Upper
75 100
77 31.6 25.3 37.9





#49
cis-1,3-Dichloropropene
Concen: 1.752 ug/l
RT: 10.186 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

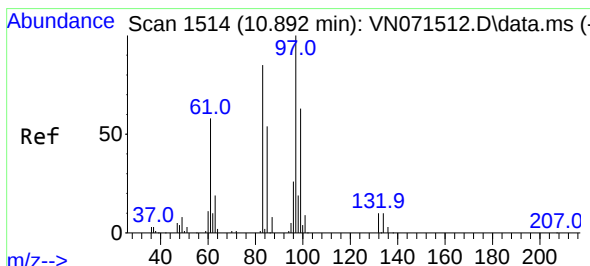
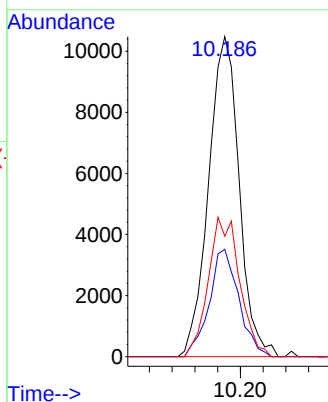
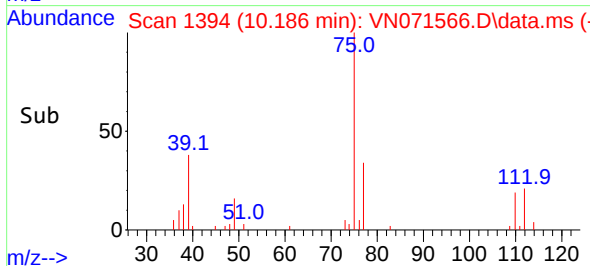
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



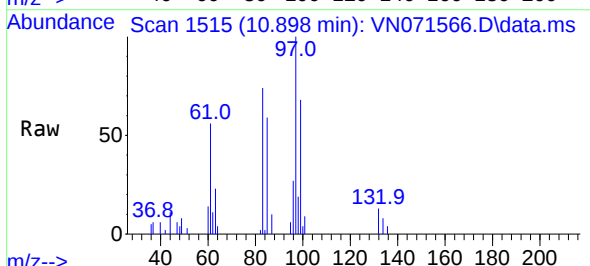
Tgt Ion: 75 Resp: 19574
Ion Ratio Lower Upper
75 100
77 33.5 25.3 37.9
39 37.7 46.2 69.4

Manual Integrations
APPROVED

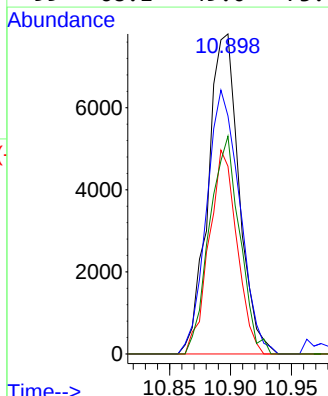
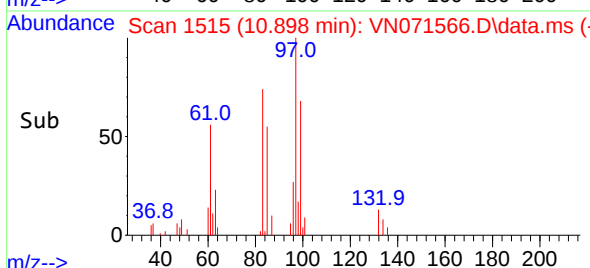
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

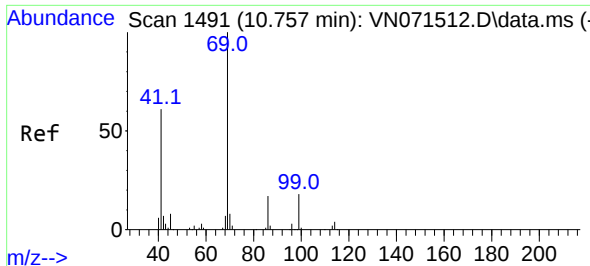


#50
1,1,2-Trichloroethane
Concen: 1.974 ug/l
RT: 10.898 min Scan# 1515
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion: 97 Resp: 13861
Ion Ratio Lower Upper
97 100
83 74.4 67.2 100.8
85 58.6 43.0 64.4
99 68.1 49.0 73.4





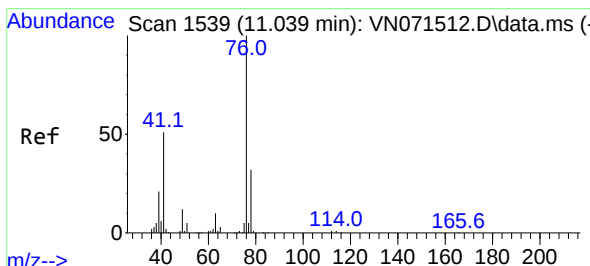
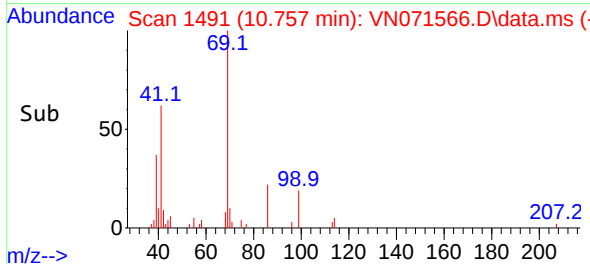
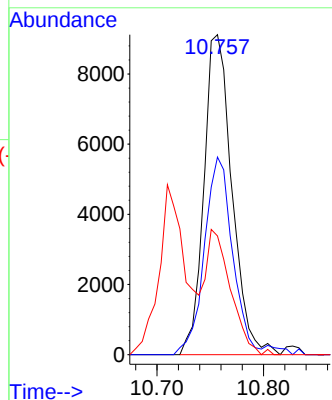
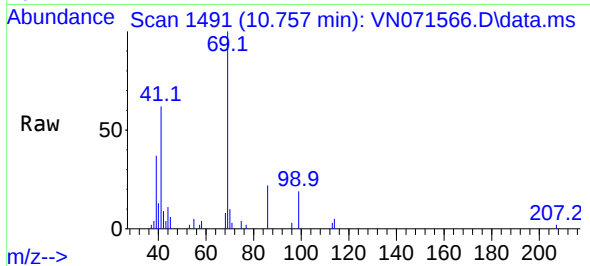
#51
Ethyl methacrylate
Concen: 1.544 ug/l
RT: 10.757 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion: 69 Resp: 16738
Ion Ratio Lower Upper
69 100
41 59.9 33.0 98.9
39 37.1 25.4 76.4

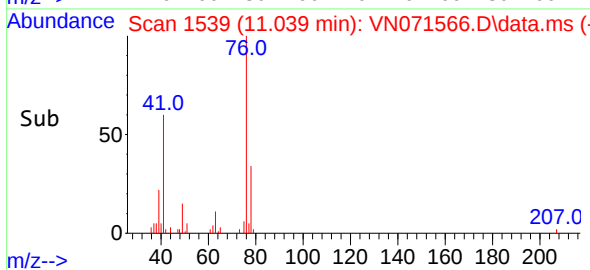
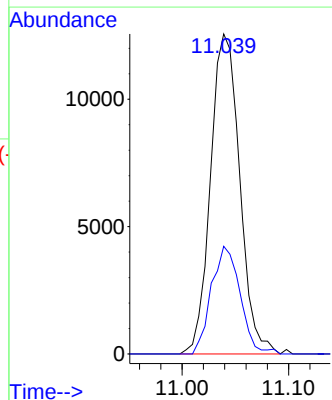
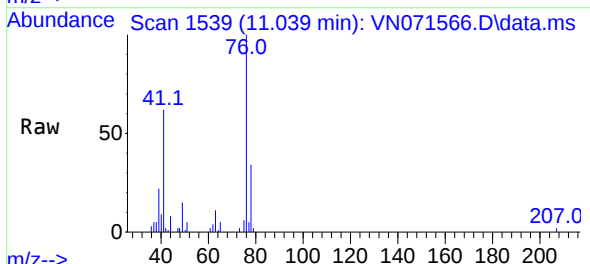
Manual Integrations
APPROVED

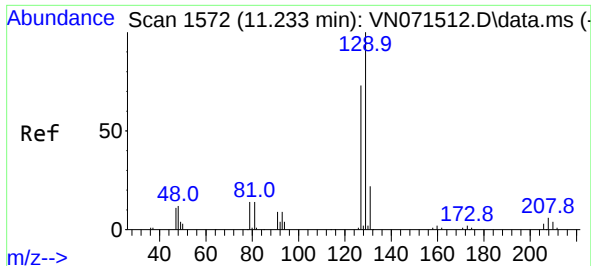
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#52
1,3-Dichloropropane
Concen: 1.995 ug/l
RT: 11.039 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

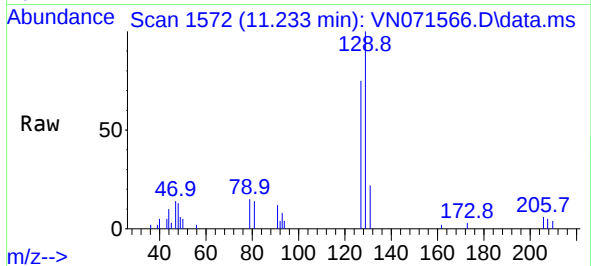
Tgt Ion: 76 Resp: 23927
Ion Ratio Lower Upper
76 100
78 32.9 0.0 65.4





#53
Dibromochloromethane
Concen: 1.874 ug/l
RT: 11.233 min Scan# 1572
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

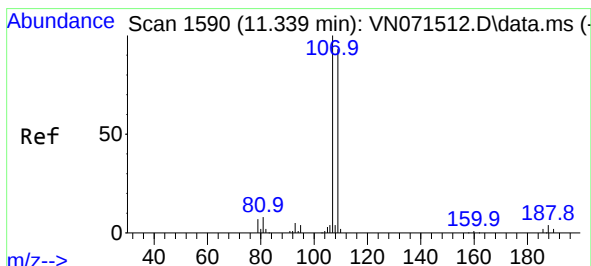
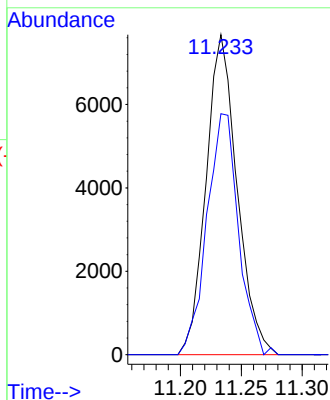
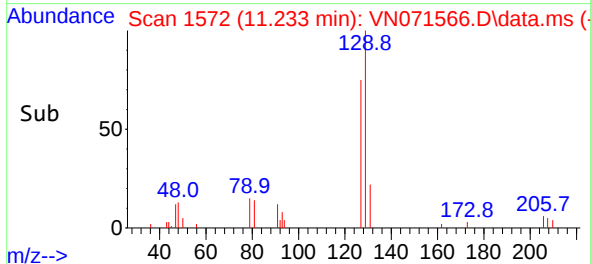
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



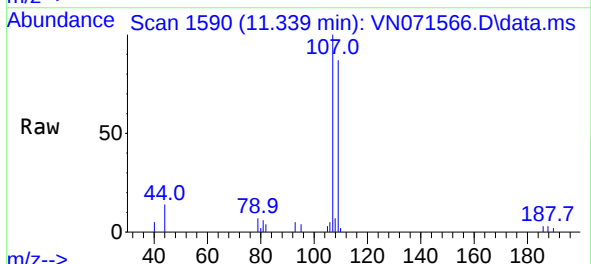
Tgt Ion:129 Resp: 1362
Ion Ratio Lower Upper
129 100
127 76.0 39.0 117.0

Manual Integrations
APPROVED

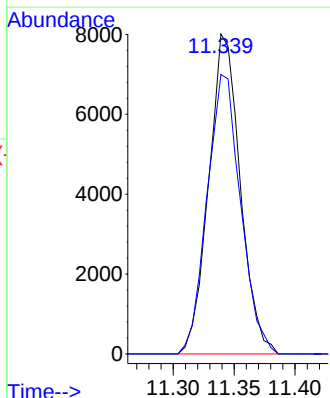
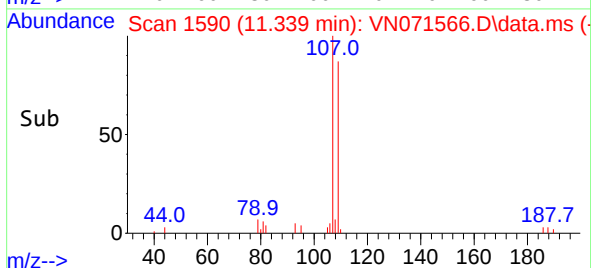
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

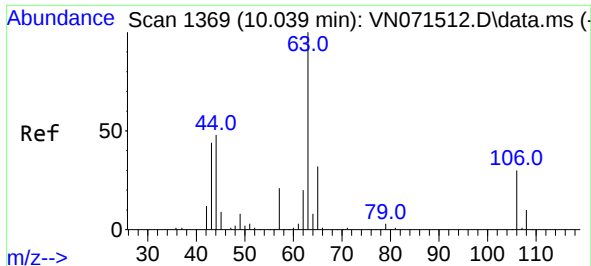


#54
1,2-Dibromoethane
Concen: 1.993 ug/l
RT: 11.339 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion:107 Resp: 14396
Ion Ratio Lower Upper
107 100
109 92.9 72.8 109.2





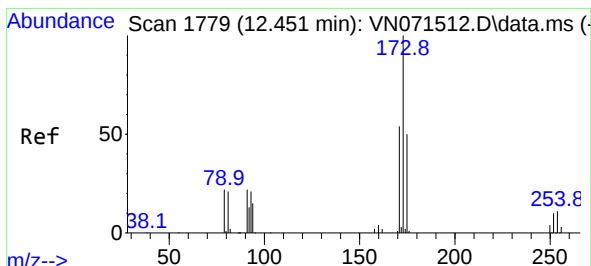
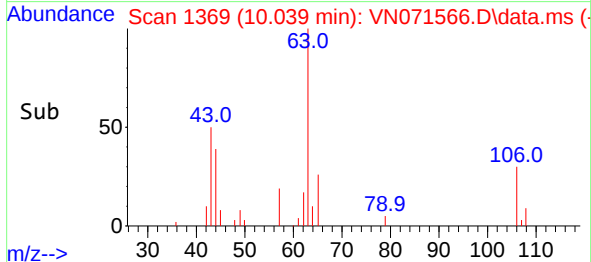
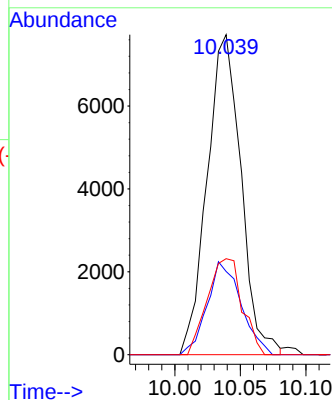
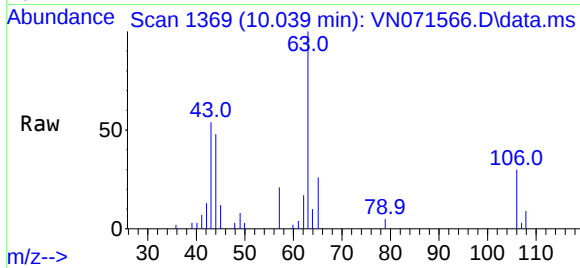
#55
2-Chloroethyl vinyl ether
Concen: 4.747 ug/l
RT: 10.039 min Scan# 1369
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion: 63 Resp: 1386
Ion Ratio Lower Upper
63 100
65 29.1 25.4 38.0
106 30.8 23.2 34.8

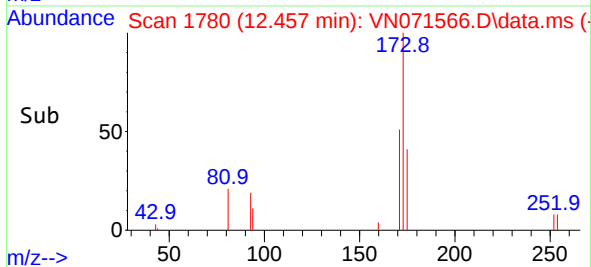
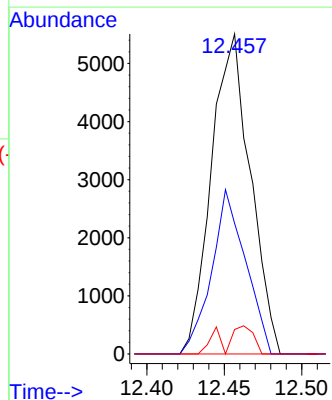
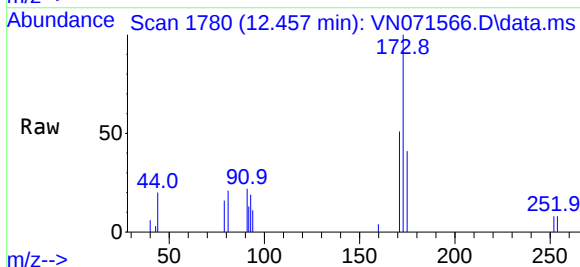
Manual Integrations
APPROVED

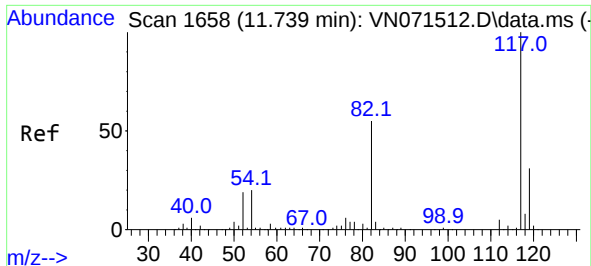
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#56
Bromoform
Concen: 1.719 ug/l
RT: 12.457 min Scan# 1780
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

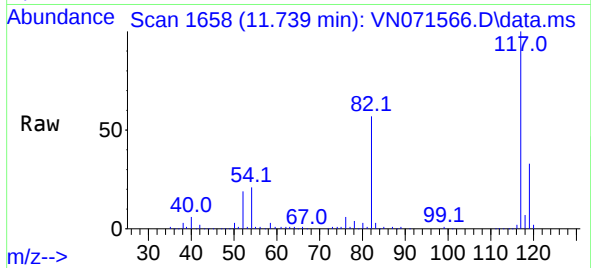
Tgt Ion:173 Resp: 9636
Ion Ratio Lower Upper
173 100
175 44.7 38.6 58.0
254 4.7 0.0 0.0#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

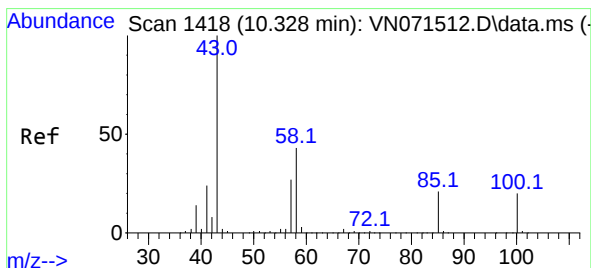
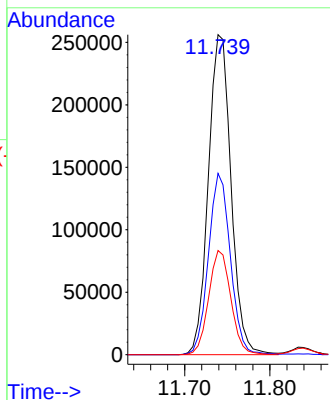
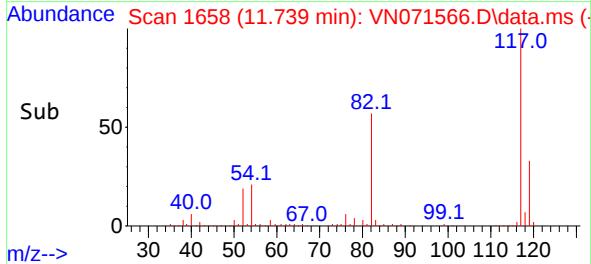
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



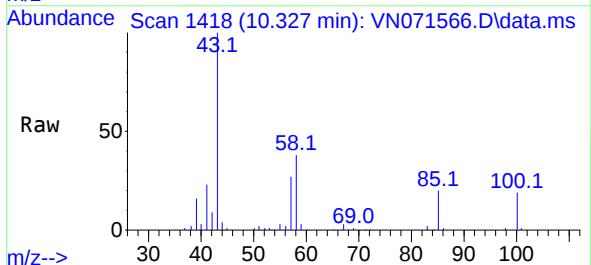
Tgt Ion: 117 Resp: 475654
Ion Ratio Lower Upper
117 100
82 54.7 43.6 65.4
119 31.8 25.8 38.6

Manual Integrations
APPROVED

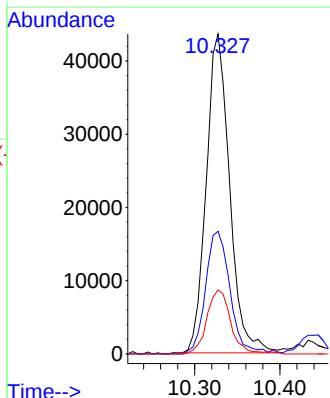
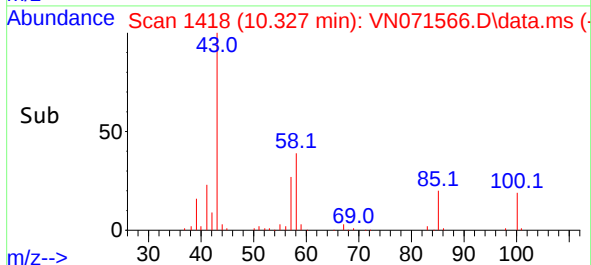
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

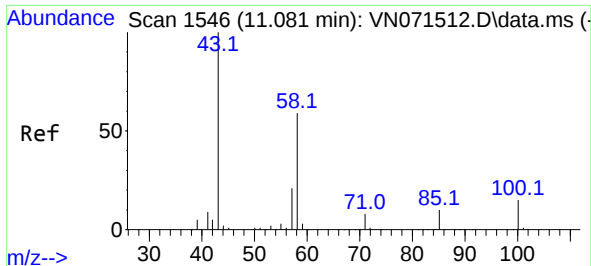


#58
4-Methyl-2-Pentanone
Concen: 9.194 ug/l
RT: 10.327 min Scan# 1418
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion: 43 Resp: 83011
Ion Ratio Lower Upper
43 100
58 39.6 30.0 45.0
85 20.3 15.0 22.6





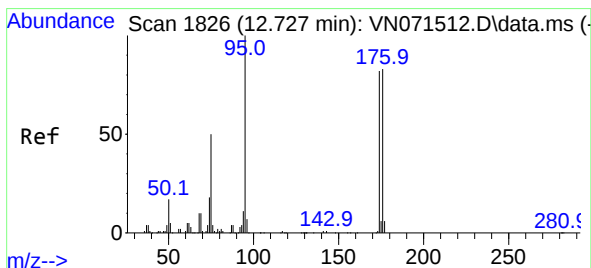
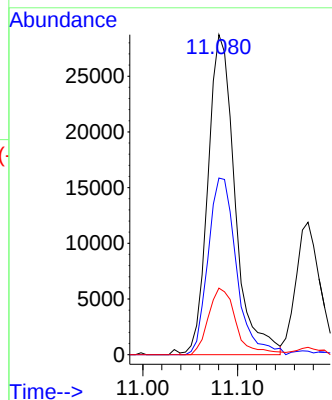
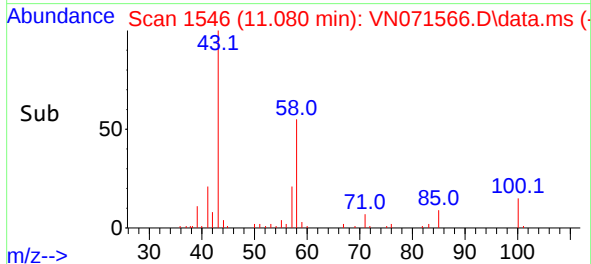
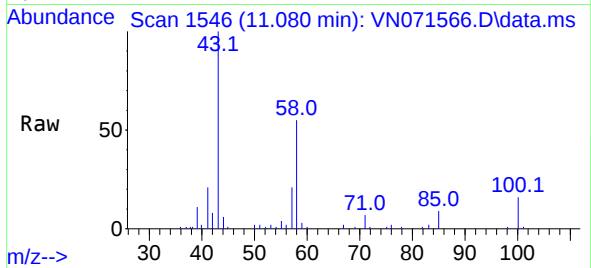
#59
2-Hexanone
Concen: 8.631 ug/l
RT: 11.080 min Scan# 1546
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion: 43 Resp: 5689
Ion Ratio Lower Upper
43 100
58 57.9 42.2 63.2
57 21.3 15.0 22.4

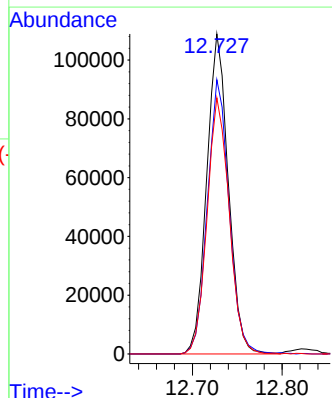
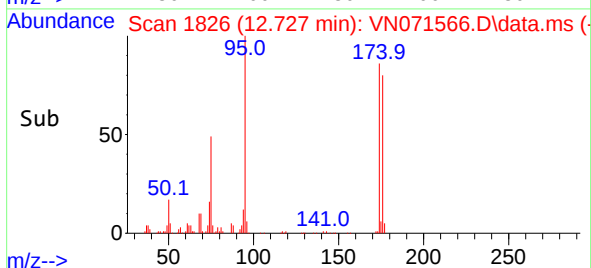
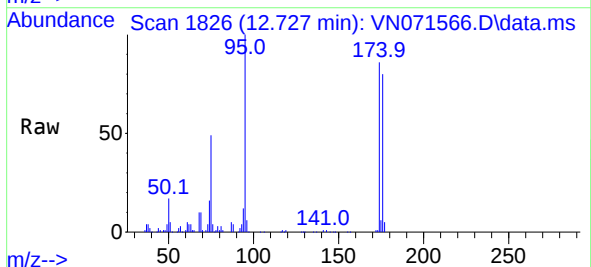
Manual Integrations
APPROVED

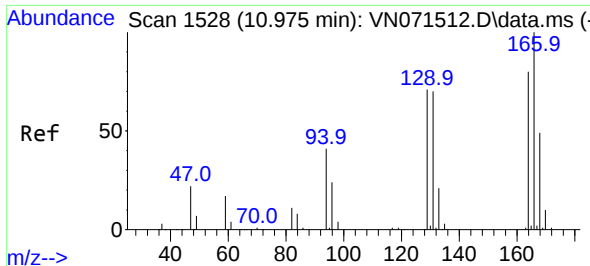
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#60
4-Bromofluorobenzene
Concen: 25.831 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

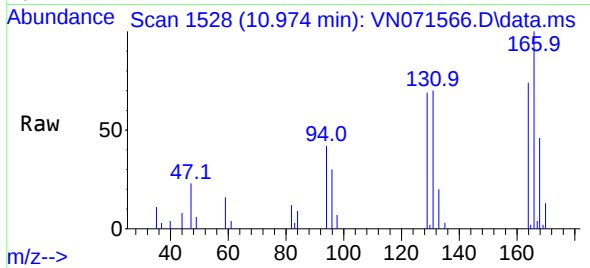
Tgt Ion: 95 Resp: 182182
Ion Ratio Lower Upper
95 100
174 86.1 62.9 94.3
176 81.7 61.0 91.4





#61
Tetrachloroethene
Concen: 2.168 ug/l
RT: 10.974 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

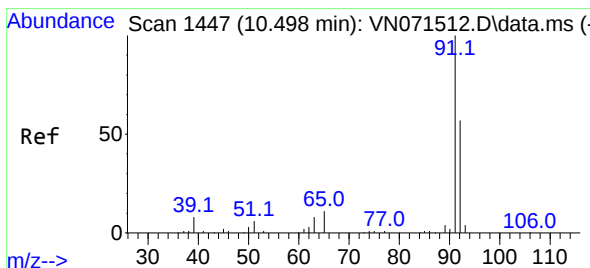
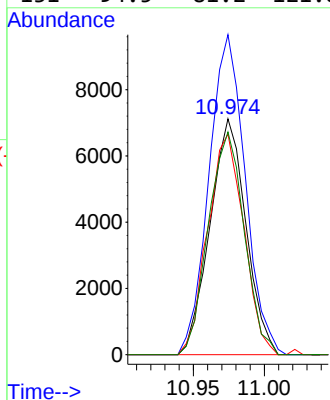
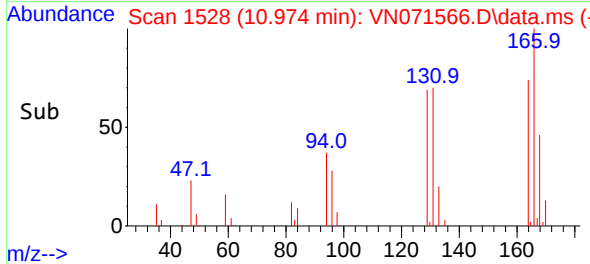
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



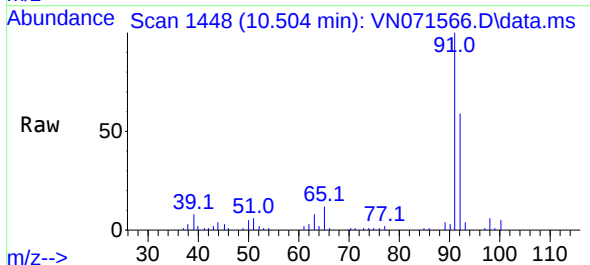
Tgt Ion:164 Resp: 12550
Ion Ratio Lower Upper
164 100
166 135.7 105.8 158.8
129 93.5 82.5 123.7
131 94.5 81.2 121.8

Manual Integrations
APPROVED

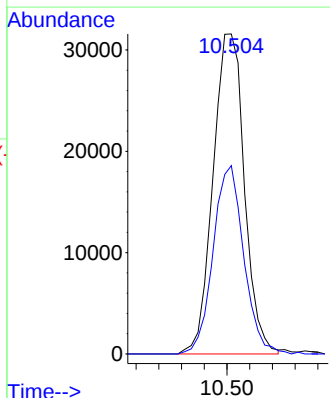
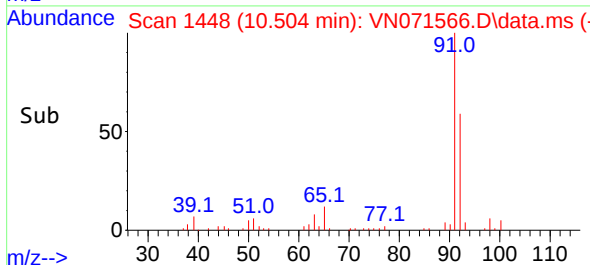
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

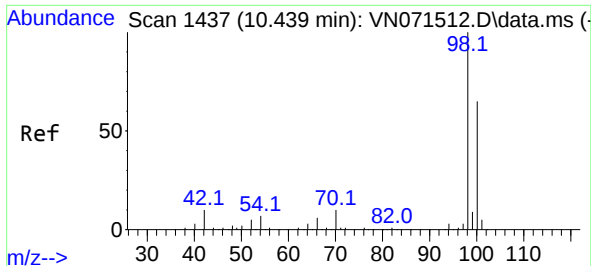


#62
Toluene
Concen: 2.098 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion: 91 Resp: 60509
Ion Ratio Lower Upper
91 100
92 57.4 44.6 67.0





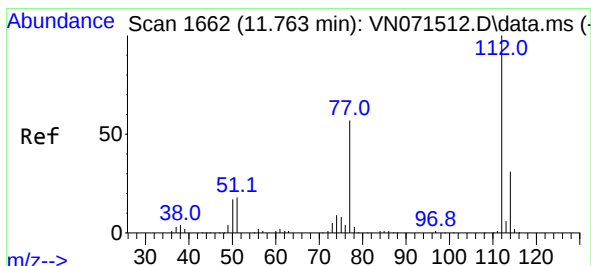
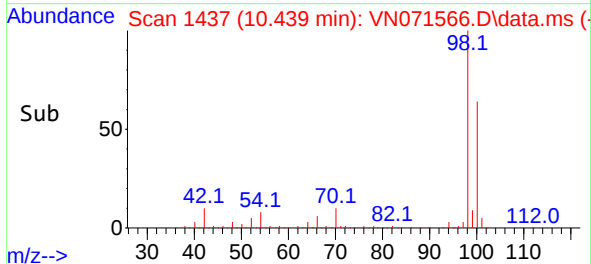
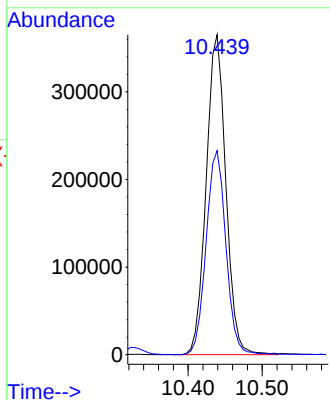
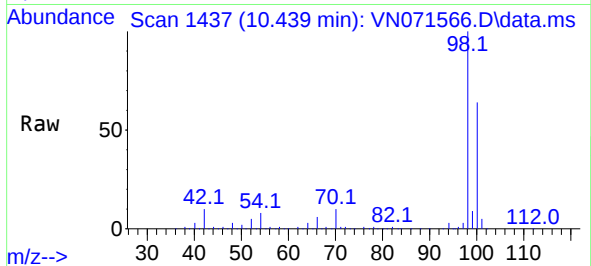
#63
Toluene-d8
Concen: 31.180 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion: 98 Resp: 673244
Ion Ratio Lower Upper
98 100
100 64.3 50.6 76.0

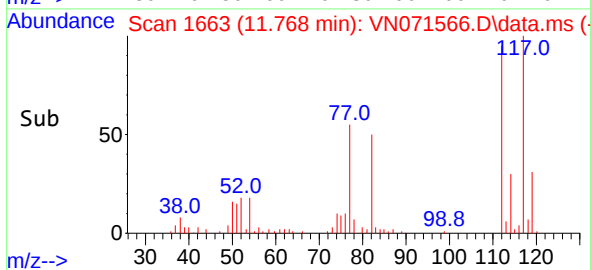
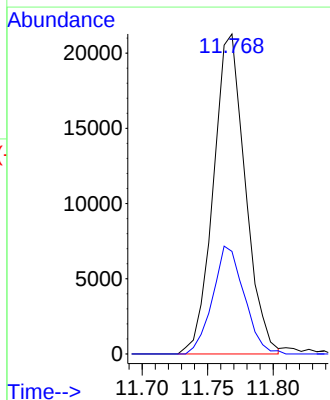
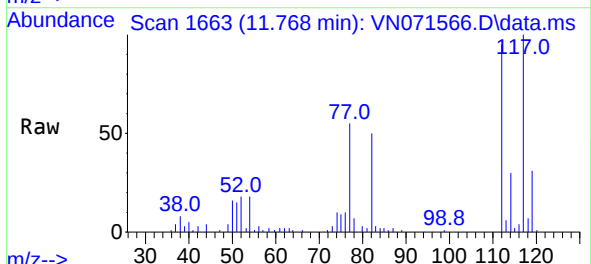
Manual Integrations
APPROVED

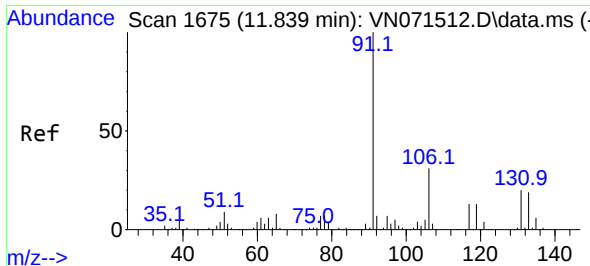
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#64
Chlorobenzene
Concen: 2.018 ug/l
RT: 11.768 min Scan# 1663
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Tgt Ion:112 Resp: 35909
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.6





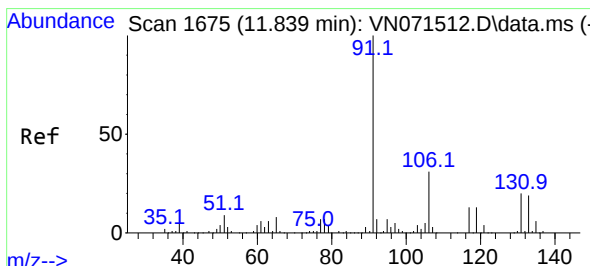
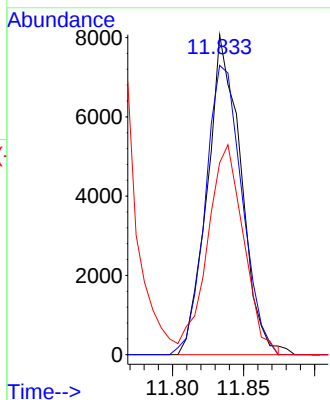
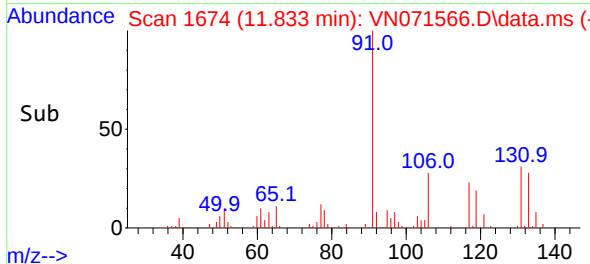
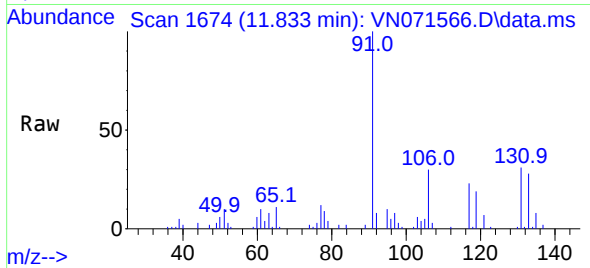
#65
1,1,1,2-Tetrachloroethane
Concen: 2.032 ug/l
RT: 11.833 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion:131 Resp: 13264
Ion Ratio Lower Upper
131 100
133 98.7 0.0 191.2
119 70.6 0.0 128.8

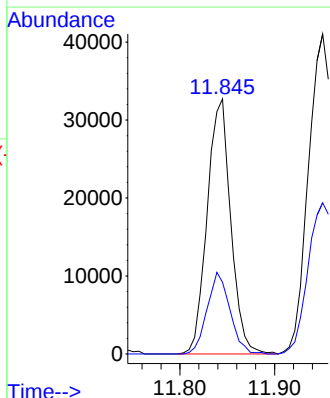
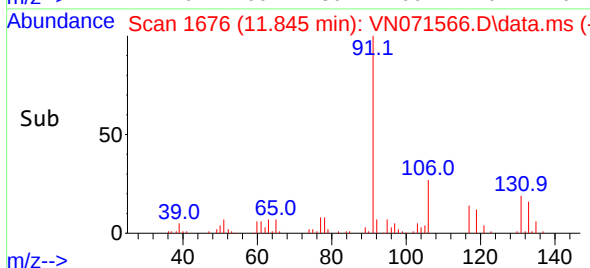
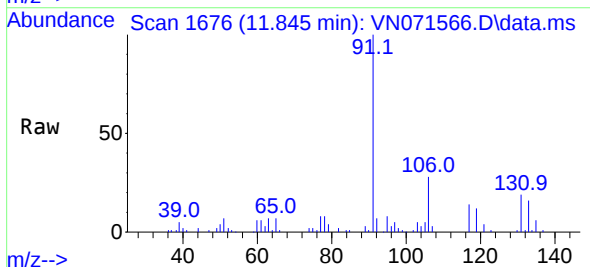
Manual Integrations
APPROVED

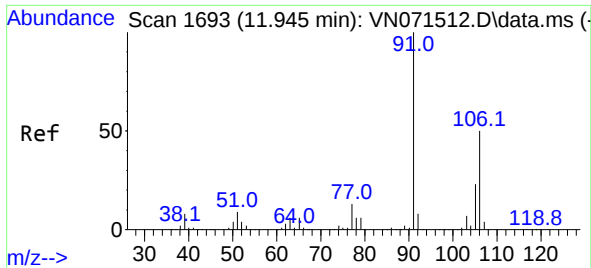
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#66
Ethyl Benzene
Concen: 1.804 ug/l
RT: 11.845 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Tgt Ion: 91 Resp: 56550
Ion Ratio Lower Upper
91 100
106 28.1 24.0 36.0





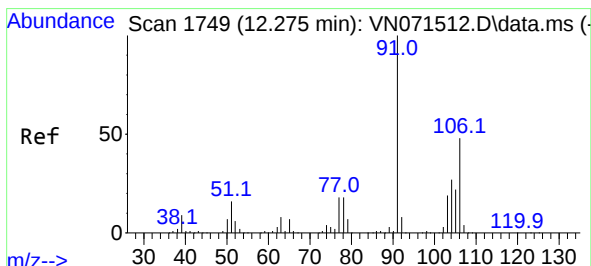
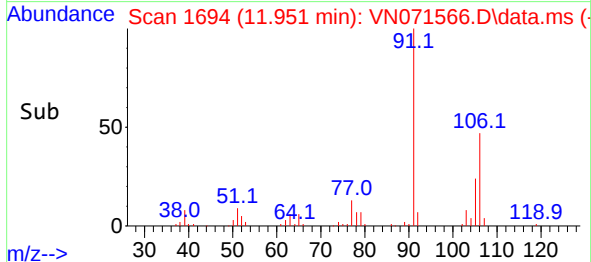
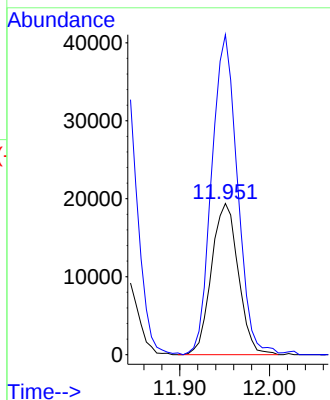
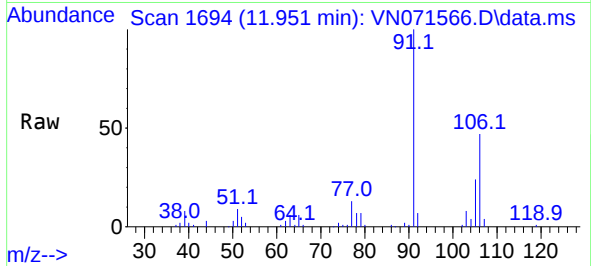
#67
m/p-Xylenes
Concen: 3.306 ug/l
RT: 11.951 min Scan# 1694
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022

Tgt Ion:106 Resp: 4030
Ion Ratio Lower Upper
106 100
91 201.0 162.9 244.3

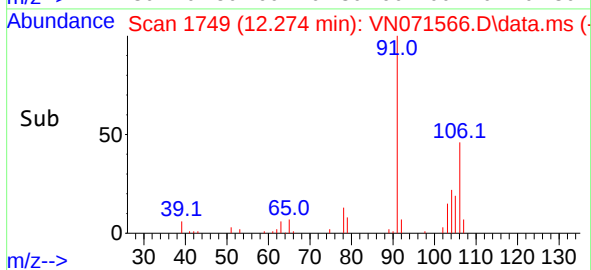
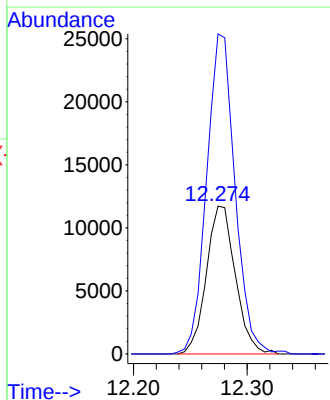
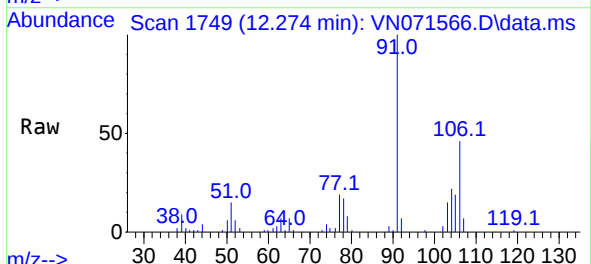
Manual Integrations
APPROVED

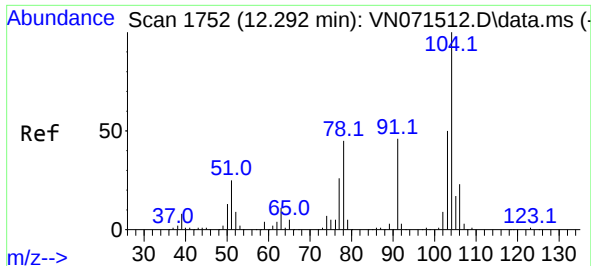
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#68
o-Xylene
Concen: 1.715 ug/l
RT: 12.274 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Tgt Ion:106 Resp: 20787
Ion Ratio Lower Upper
106 100
91 211.5 107.7 323.1





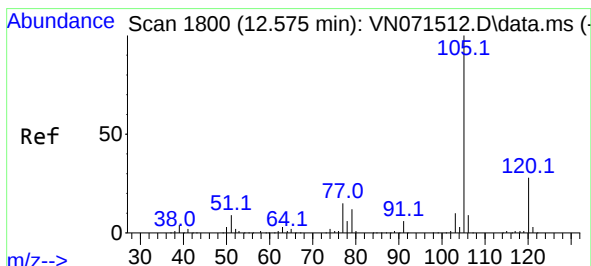
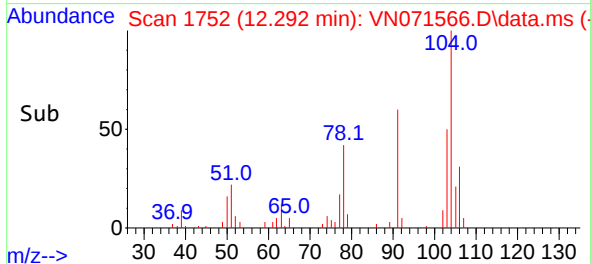
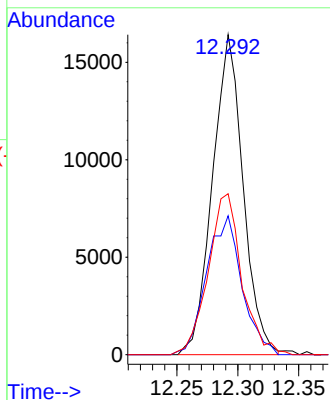
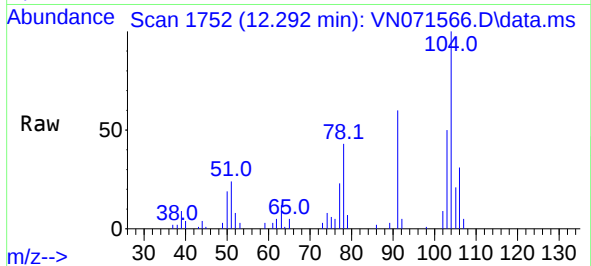
#69
Styrene
Concen: 1.504 ug/l
RT: 12.292 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion:104 Resp: 28692
Ion Ratio Lower Upper
104 100
78 50.2 40.7 61.1
103 55.2 45.8 68.8

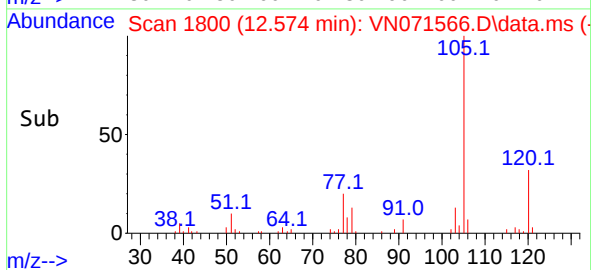
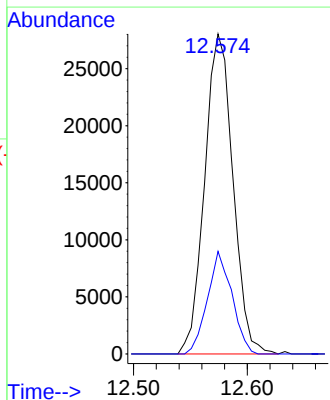
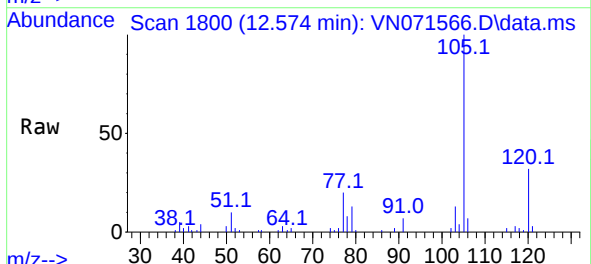
Manual Integrations
APPROVED

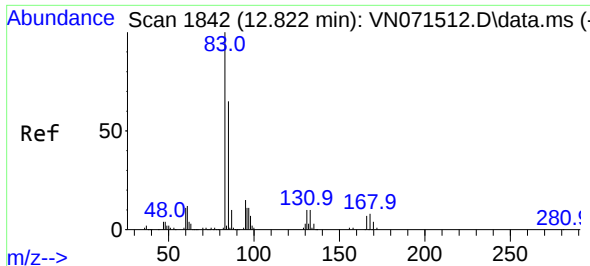
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#70
Isopropylbenzene
Concen: 1.597 ug/l
RT: 12.574 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

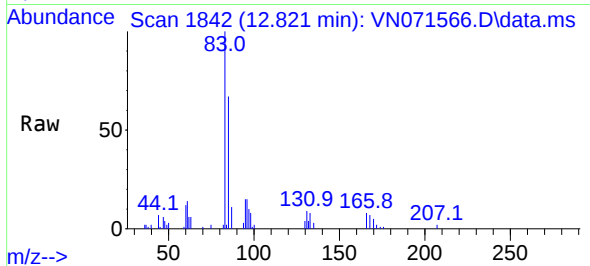
Tgt Ion:105 Resp: 48566
Ion Ratio Lower Upper
105 100
120 27.8 18.3 34.1





#71
1,1,2,2-Tetrachloroethane
Concen: 2.068 ug/l
RT: 12.821 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

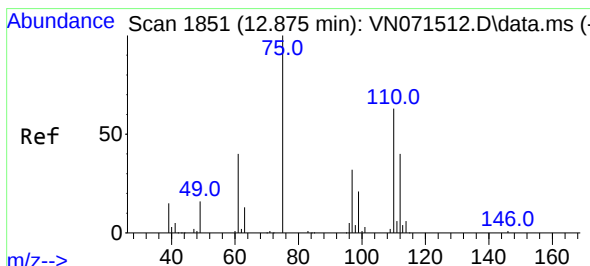
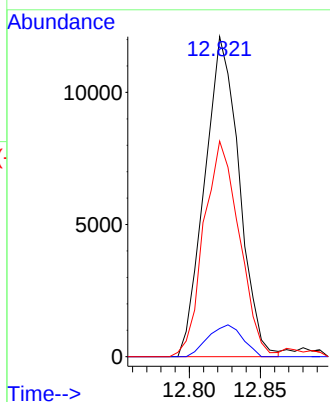
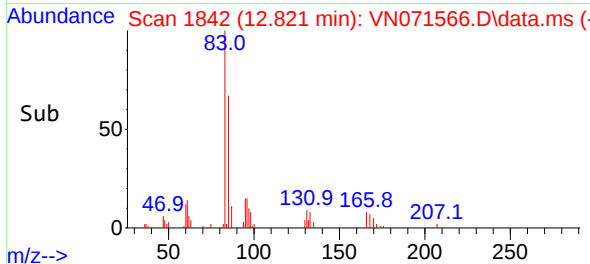
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



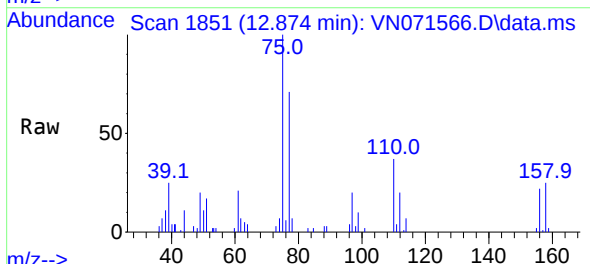
Tgt Ion: 83 Resp: 20470
Ion Ratio Lower Upper
83 100
131 9.9 5.1 15.3
85 69.2 33.1 99.2

Manual Integrations
APPROVED

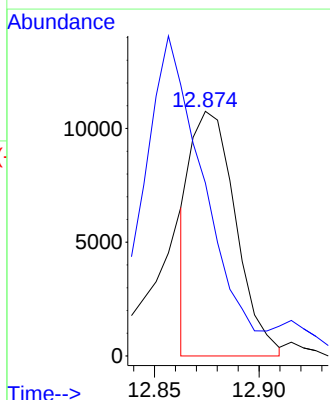
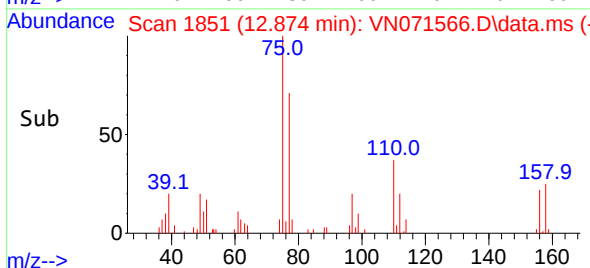
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

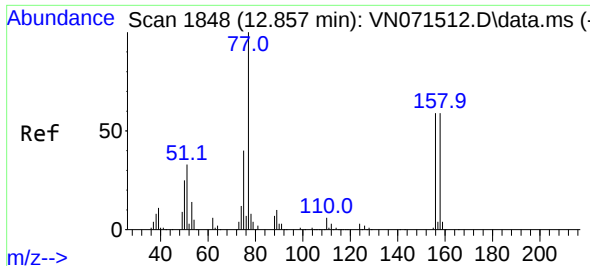


#72
1,2,3-Trichloropropane
Concen: 1.897 ug/l m
RT: 12.874 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



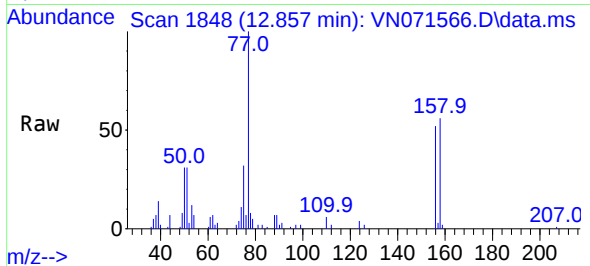
Tgt Ion: 75 Resp: 16134
Ion Ratio Lower Upper
75 100
77 176.0 0.0 378.0





#73
Bromobenzene
Concen: 1.852 ug/l
RT: 12.857 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

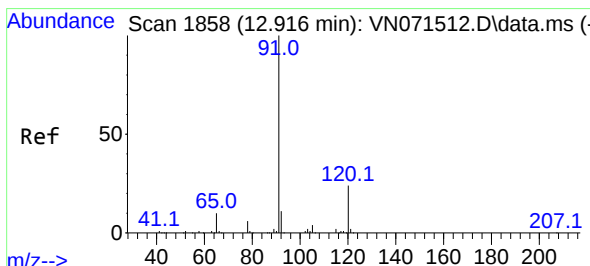
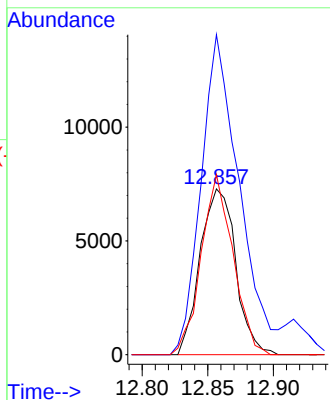
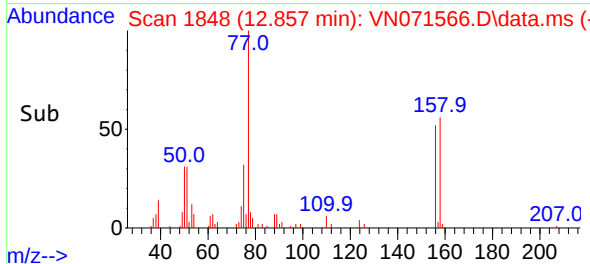
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



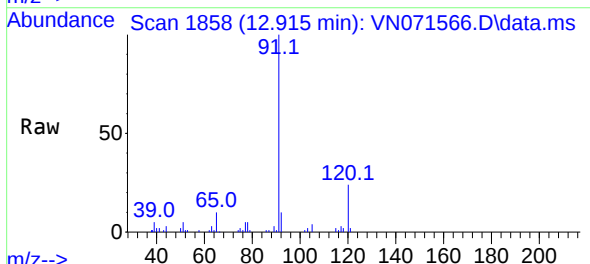
Tgt Ion:156 Resp: 1374
Ion Ratio Lower Upper
156 100
77 206.6 0.0 416.0
158 97.5 0.0 195.4

Manual Integrations
APPROVED

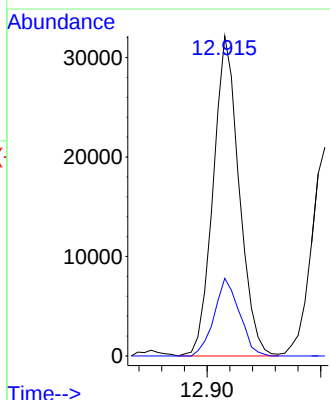
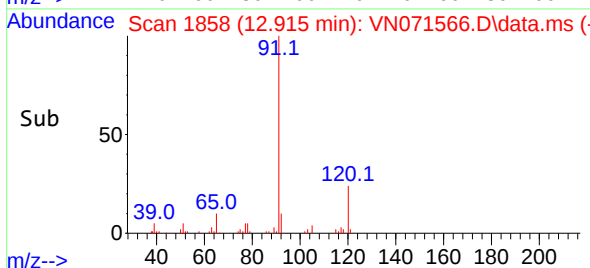
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

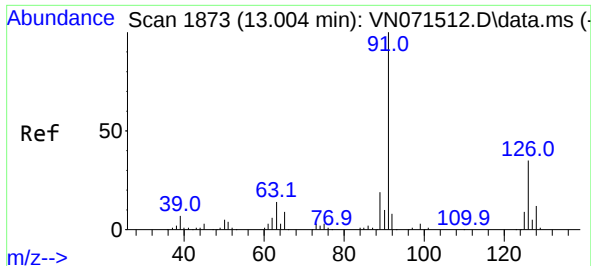


#74
n-propylbenzene
Concen: 1.537 ug/l
RT: 12.915 min Scan# 1858
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion: 91 Resp: 51018
Ion Ratio Lower Upper
91 100
120 23.6 0.0 45.0





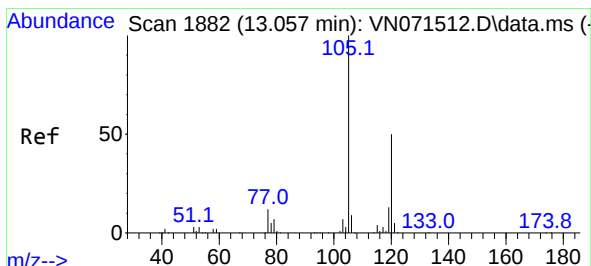
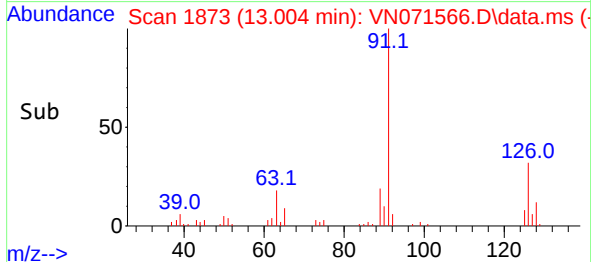
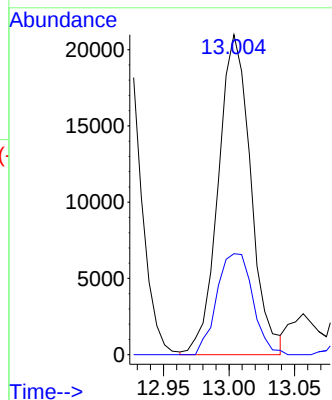
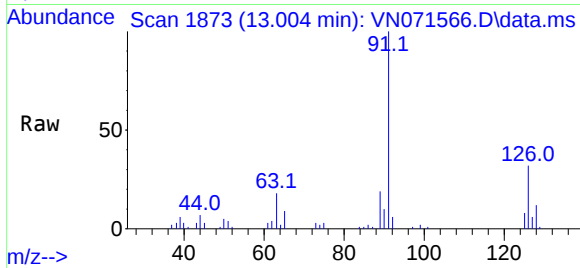
#75
2-Chlorotoluene
Concen: 1.744 ug/l
RT: 13.004 min Scan# 1873
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion: 91 Resp: 36190
Ion Ratio Lower Upper
91 100
126 34.8 0.0 69.8

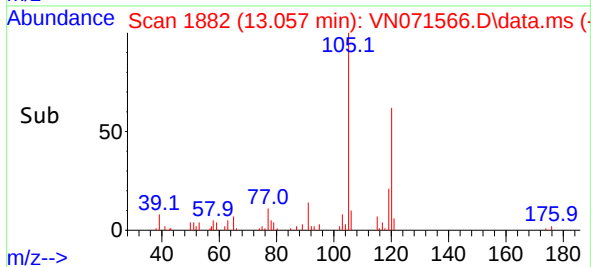
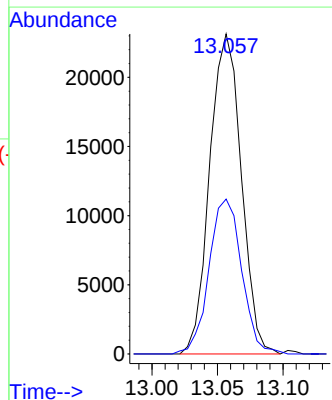
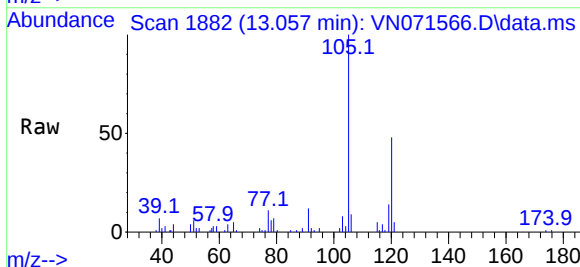
Manual Integrations
APPROVED

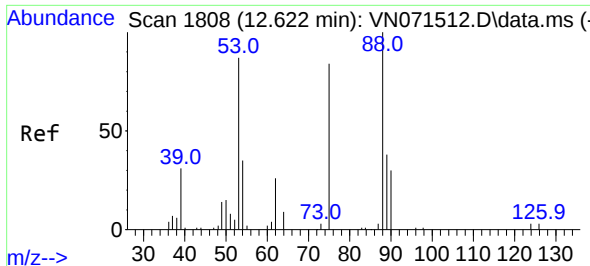
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#76
1,3,5-Trimethylbenzene
Concen: 1.590 ug/l
RT: 13.057 min Scan# 1882
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

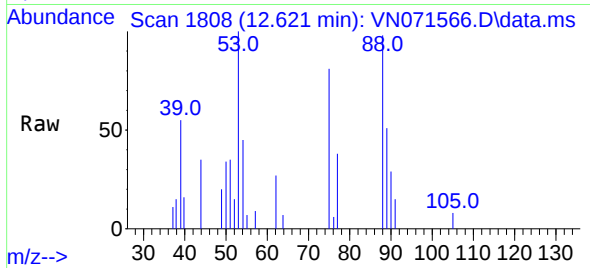
Tgt Ion:105 Resp: 38789
Ion Ratio Lower Upper
105 100
120 50.0 0.0 93.8





#77
t-1,4-Dichloro-2-butene
Concen: 1.381 ug/l
RT: 12.621 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

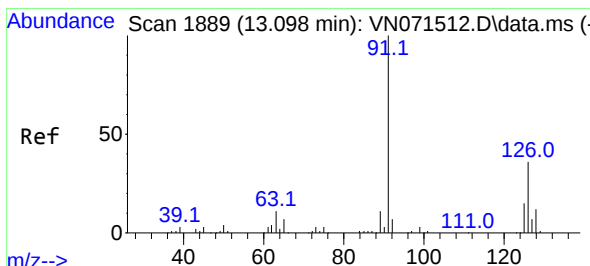
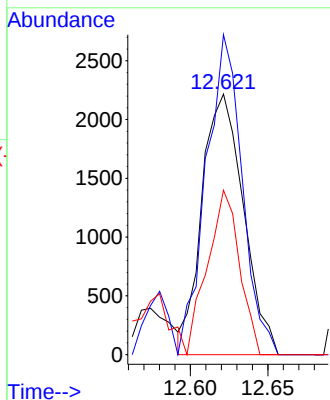
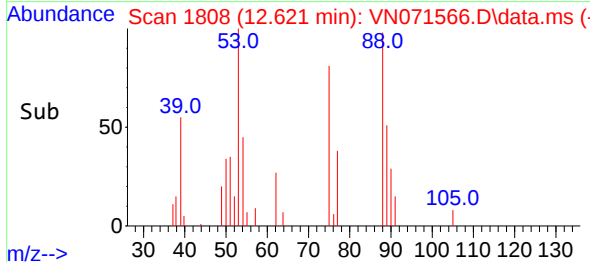
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022



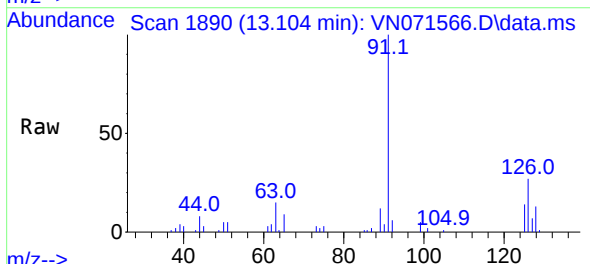
Tgt Ion: 75 Resp: 4125
Ion Ratio Lower Upper
75 100
53 122.8 51.8 155.5
89 63.1 22.9 68.7

Manual Integrations
APPROVED

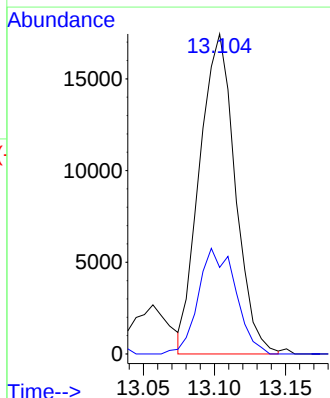
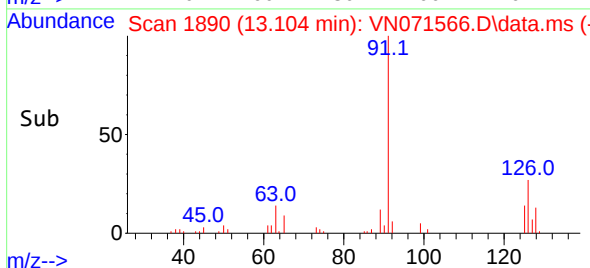
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

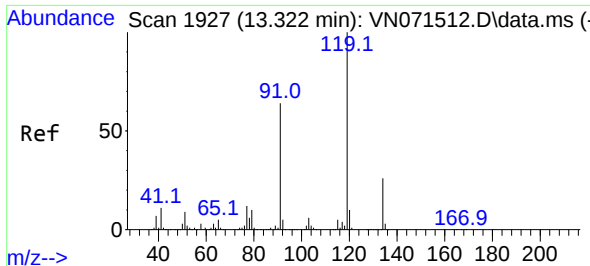


#78
4-Chlorotoluene
Concen: 1.572 ug/l
RT: 13.104 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion: 91 Resp: 30454
Ion Ratio Lower Upper
91 100
126 34.6 0.0 70.6





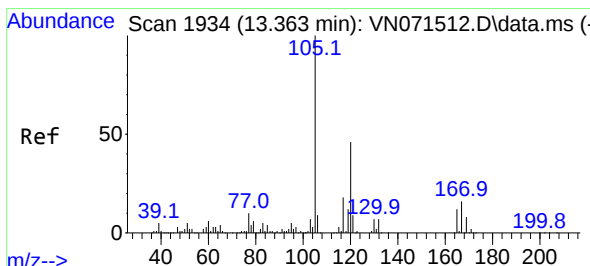
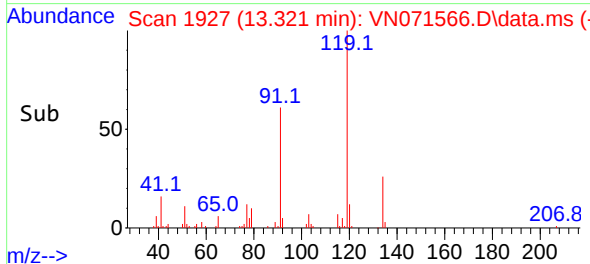
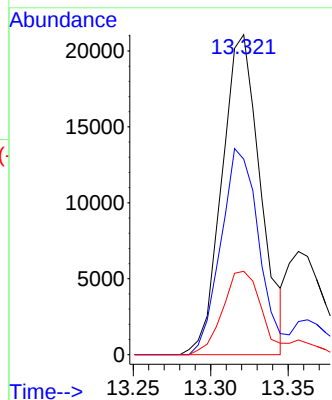
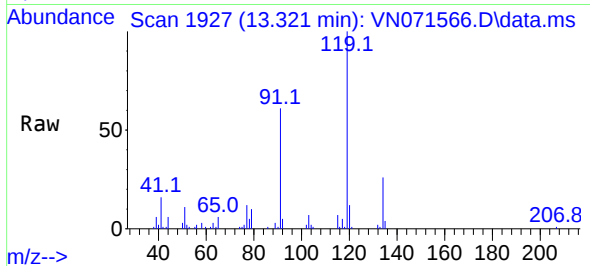
#79
tert-butylbenzene
Concen: 1.654 ug/l
RT: 13.321 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion:119 Resp: 36428
Ion Ratio Lower Upper
119 100
91 64.4 0.0 137.0
134 26.6 0.0 47.6

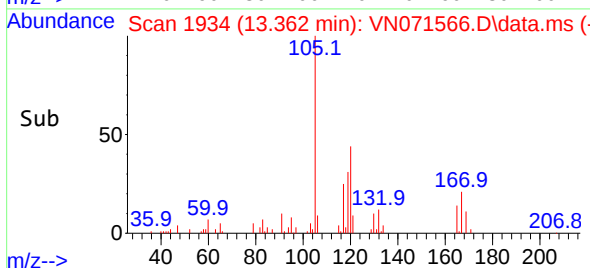
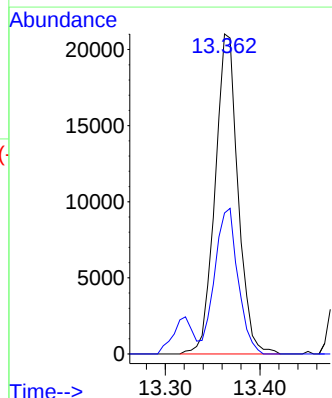
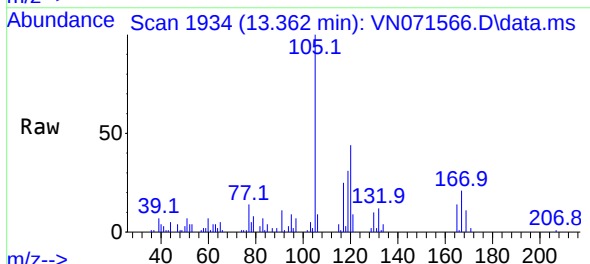
Manual Integrations
APPROVED

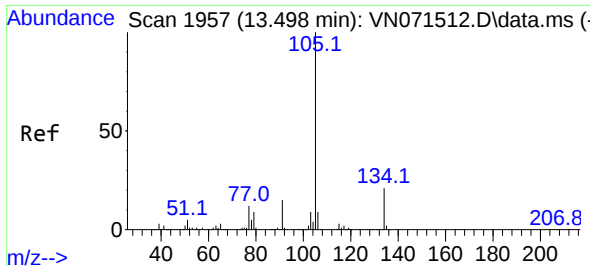
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#80
1,2,4-Trimethylbenzene
Concen: 1.494 ug/l
RT: 13.362 min Scan# 1934
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Tgt Ion:105 Resp: 35371
Ion Ratio Lower Upper
105 100
120 46.5 0.0 0.2#





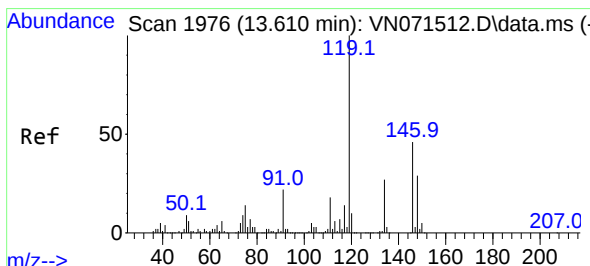
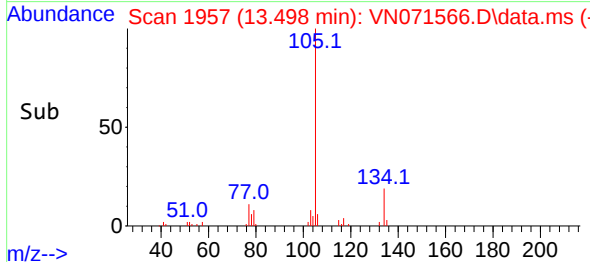
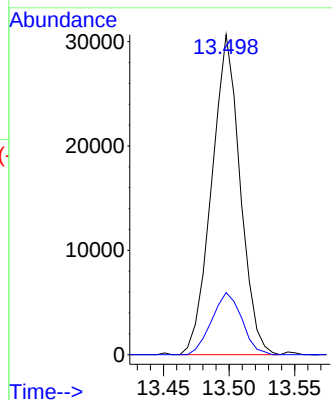
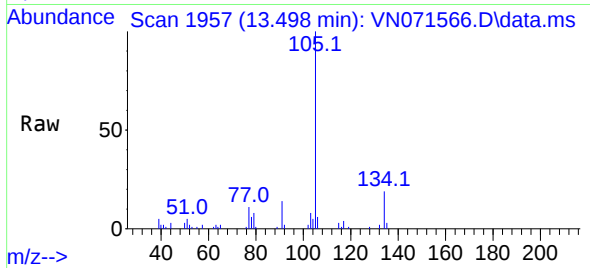
#81
 sec-Butylbenzene
 Concen: 1.565 ug/l
 RT: 13.498 min Scan# 1957
 Delta R.T. -0.000 min
 Lab File: VN071566.D
 Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion:105 Resp: 4631
 Ion Ratio Lower Upper
 105 100
 134 20.4 0.0 39.4

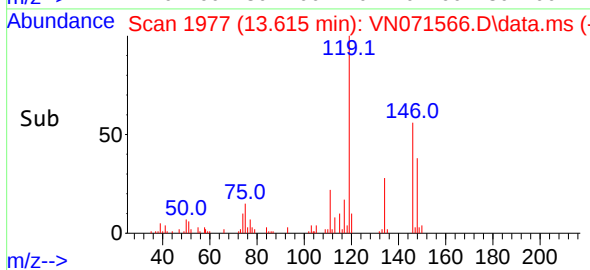
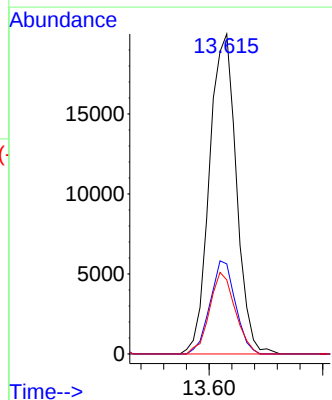
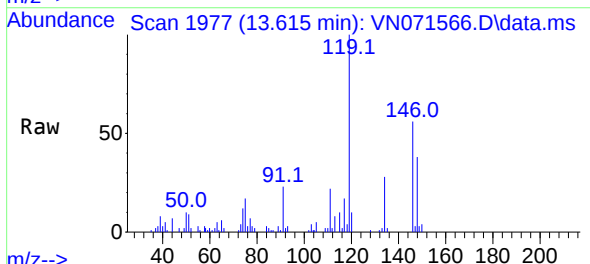
Manual Integrations
 APPROVED

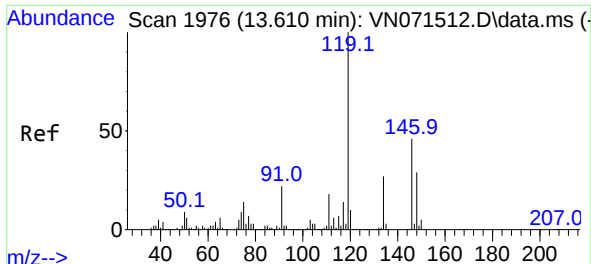
Reviewed By :John Carlone 03/28/2022
 Supervised By :Mahesh Dadoda 03/28/2022



#82
 p-Isopropyltoluene
 Concen: 1.367 ug/l
 RT: 13.615 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VN071566.D
 Acq: 26 Mar 2022 11:23

Tgt Ion:119 Resp: 32852
 Ion Ratio Lower Upper
 119 100
 134 27.5 0.0 51.8
 91 24.3 0.0 50.4





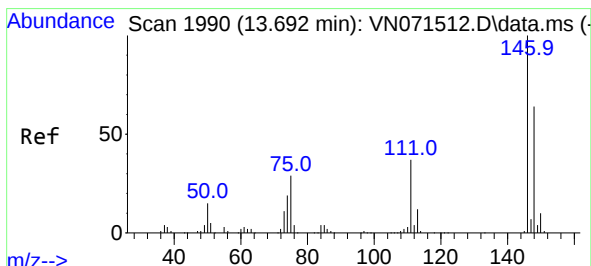
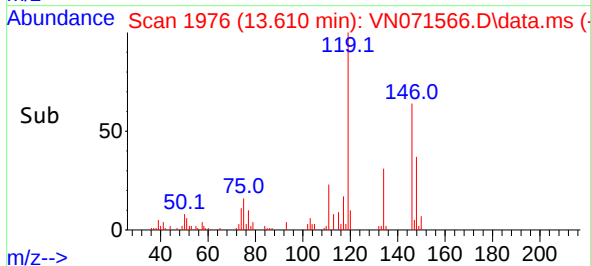
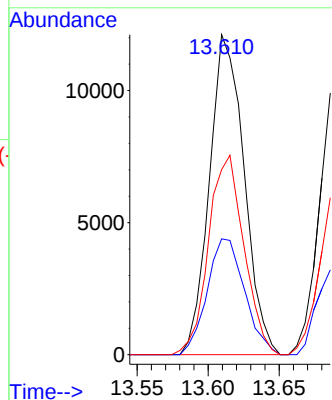
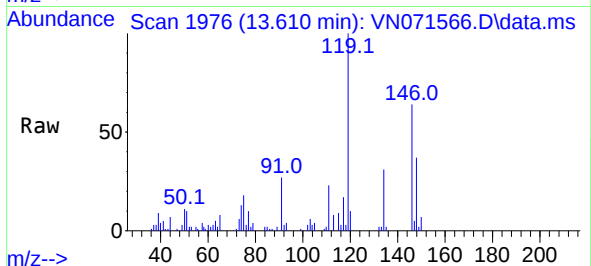
#83
1,3-Dichlorobenzene
Concen: 1.698 ug/l
RT: 13.610 min Scan# 1976
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion:146 Resp: 20614
Ion Ratio Lower Upper
146 100
111 39.1 20.8 62.2
148 63.6 31.4 94.3

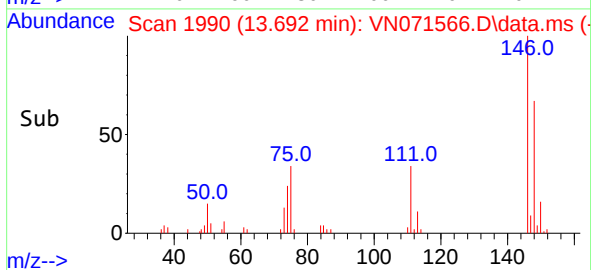
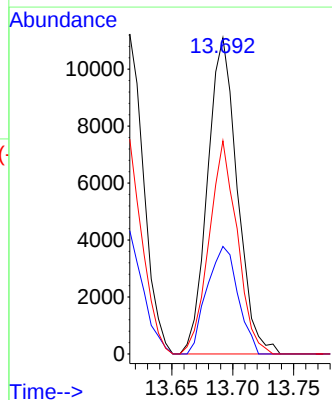
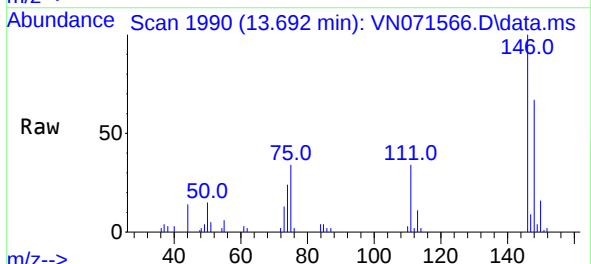
Manual Integrations
APPROVED

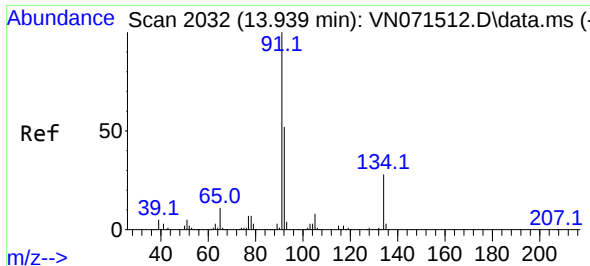
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#84
1,4-Dichlorobenzene
Concen: 1.630 ug/l
RT: 13.692 min Scan# 1990
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Tgt Ion:146 Resp: 18888
Ion Ratio Lower Upper
146 100
111 35.5 19.5 58.5
148 63.9 31.1 93.5





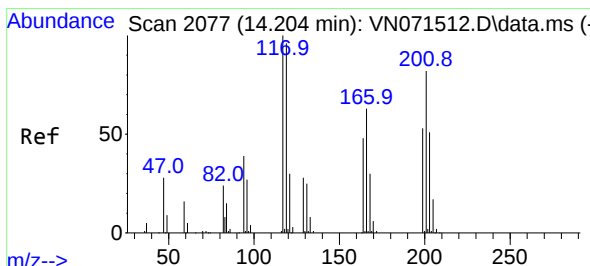
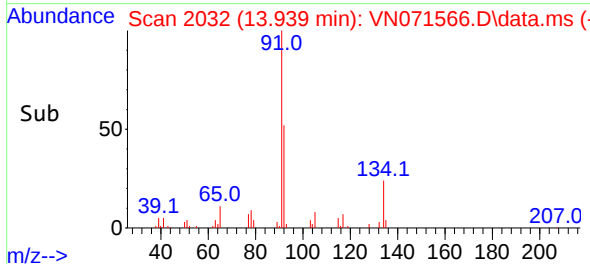
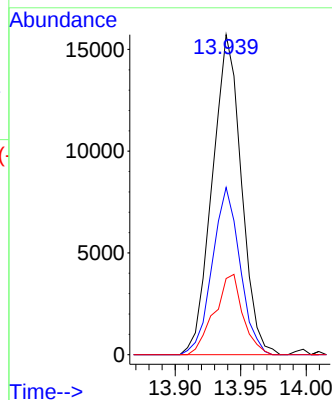
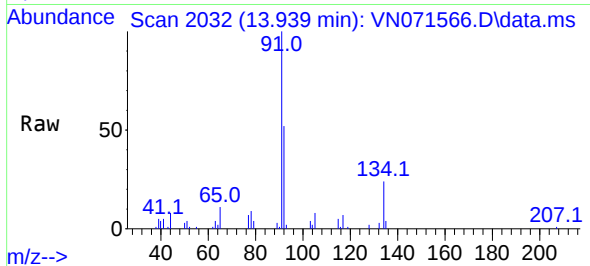
#85
n-Butylbenzene
Concen: 1.358 ug/l
RT: 13.939 min Scan# 2032
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2022

Tgt Ion: 91 Resp: 2424
Ion Ratio Lower Upper
91 100
92 49.9 0.0 100.6
134 24.5 0.0 50.2

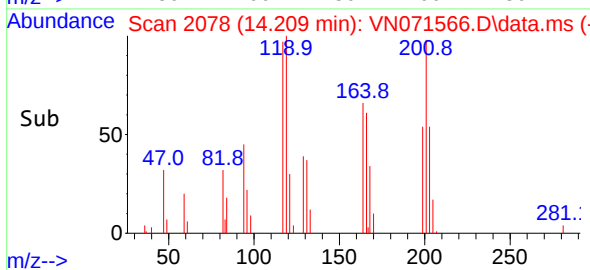
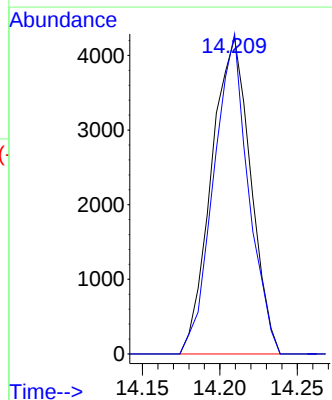
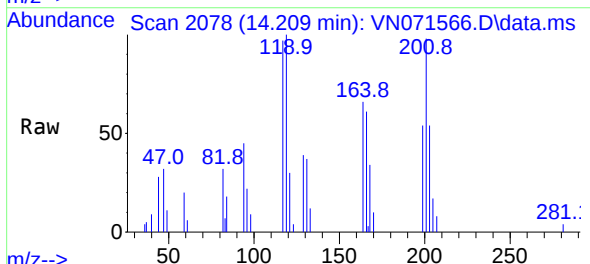
Manual Integrations
APPROVED

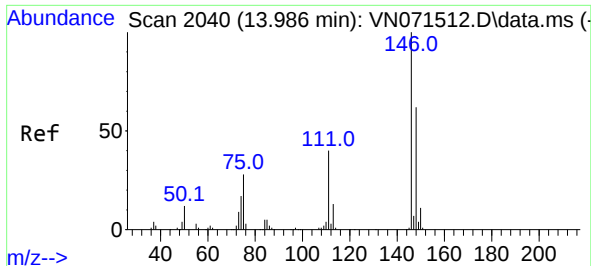
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#86
Hexachloroethane
Concen: 1.659 ug/l
RT: 14.209 min Scan# 2078
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

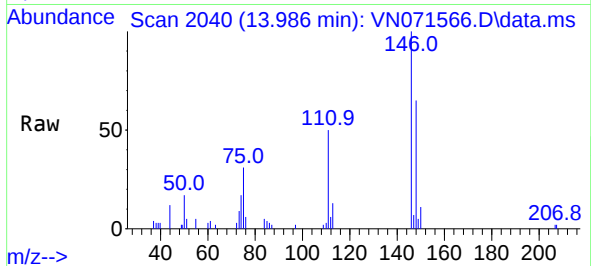
Tgt Ion:117 Resp: 7449
Ion Ratio Lower Upper
117 100
201 89.6 33.3 99.8





#87
1,2-Dichlorobenzene
Concen: 1.658 ug/l
RT: 13.986 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

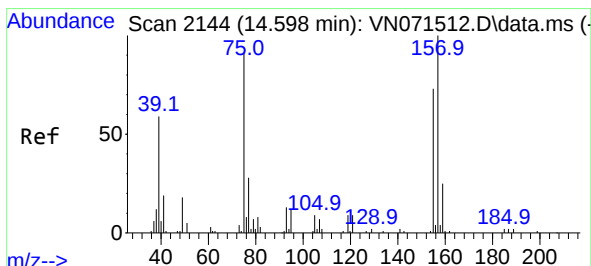
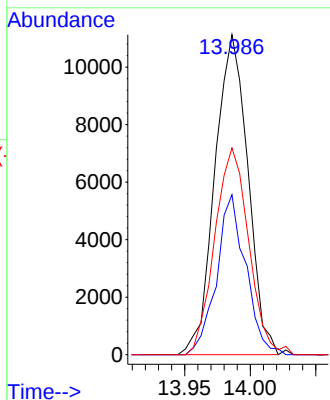
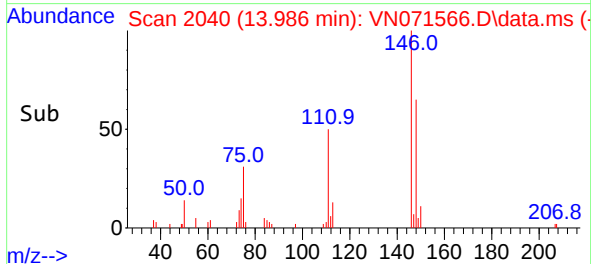
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



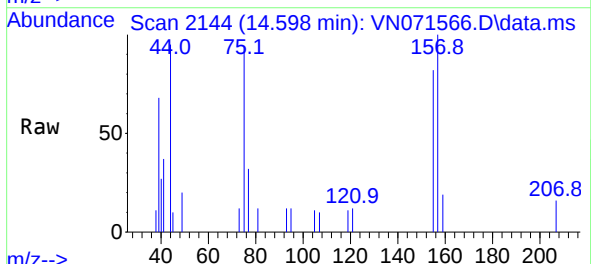
Tgt Ion:146 Resp: 1945
Ion Ratio Lower Upper
146 100
111 44.2 21.4 64.2
148 66.6 32.5 97.4

Manual Integrations
APPROVED

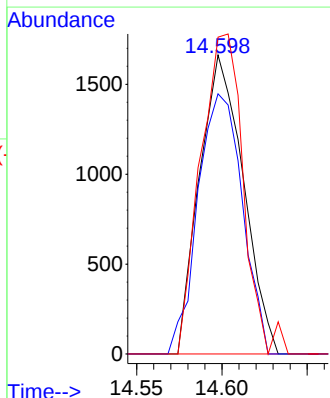
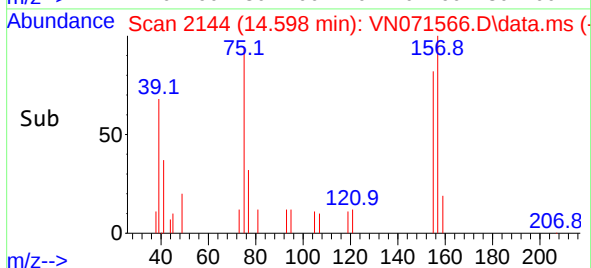
Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022

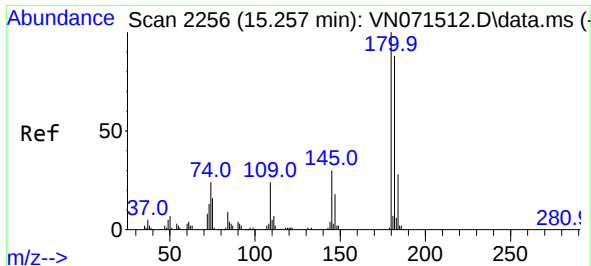


#88
1,2-Dibromo-3-Chloropropane
Concen: 1.682 ug/l
RT: 14.598 min Scan# 2144
Delta R.T. -0.000 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23



Tgt Ion: 75 Resp: 2963
Ion Ratio Lower Upper
75 100
155 88.5 63.8 95.8
157 102.4 77.9 116.9





#89

1,2,4-Trichlorobenzene

Concen: 1.119 ug/l

RT: 15.262 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN071566.D

Acq: 26 Mar 2022 11:23

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2022

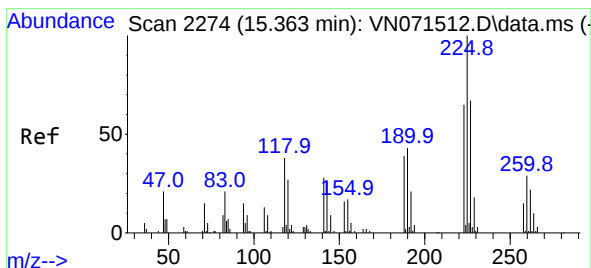
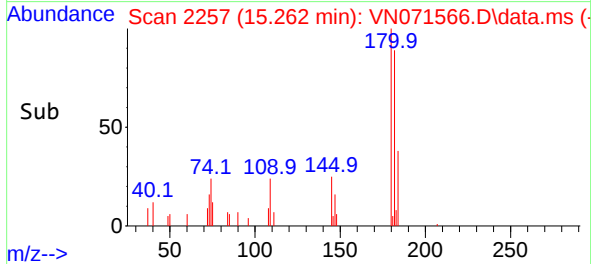
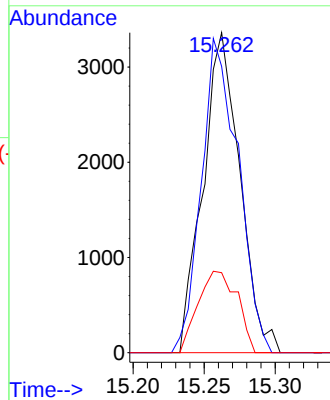
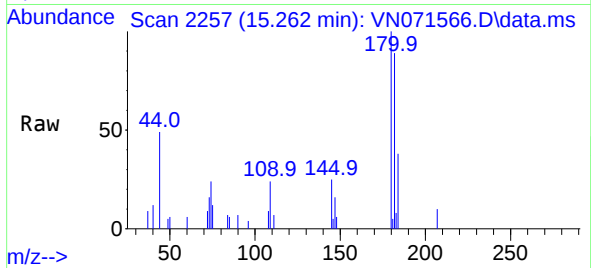
Tgt Ion:180	Resp:	607
Ion Ratio	Lower	Upper
180	100	
182	97.9	77.7 116.5
145	26.9	26.6 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2022

Supervised By :Mahesh Dadoda 03/28/2022



#90

Hexachlorobutadiene

Concen: 2.076 ug/l

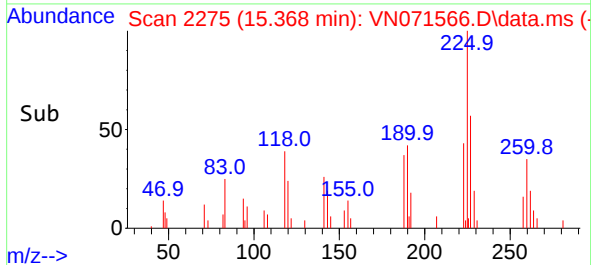
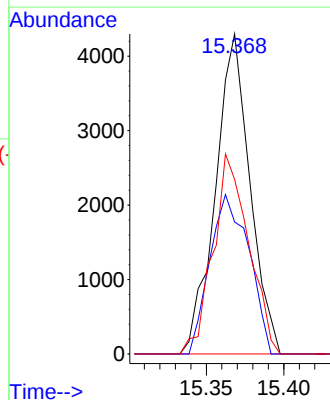
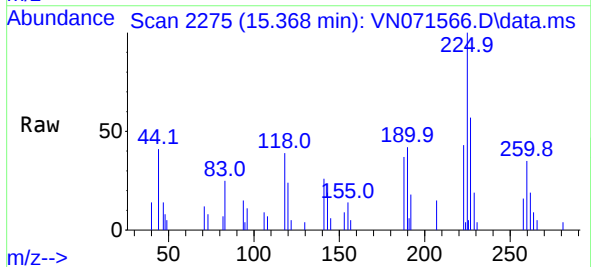
RT: 15.368 min Scan# 2275

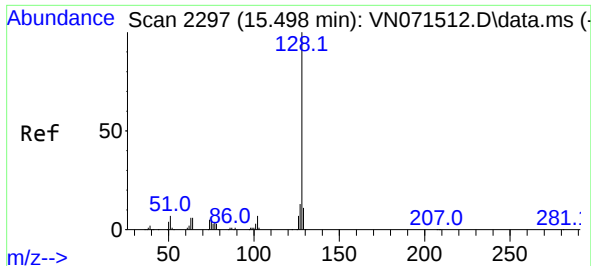
Delta R.T. 0.006 min

Lab File: VN071566.D

Acq: 26 Mar 2022 11:23

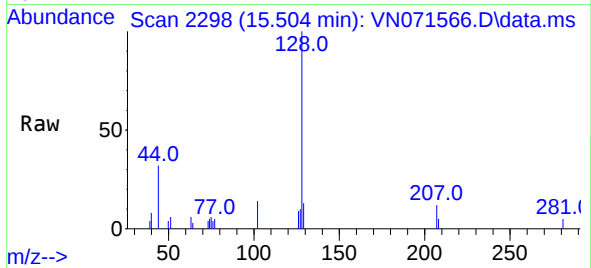
Tgt Ion:225	Resp:	6675
Ion Ratio	Lower	Upper
225	100	
223	56.2	0.0 126.8
227	64.3	0.0 123.0





#91
Naphthalene
Concen: 0.684 ug/l
RT: 15.504 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

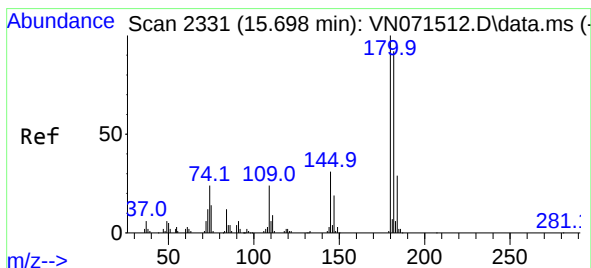
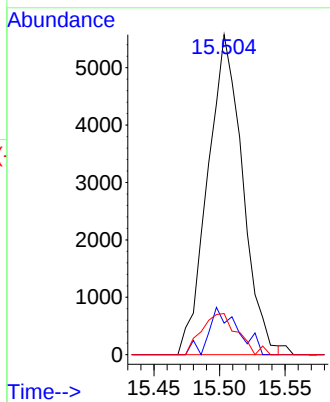
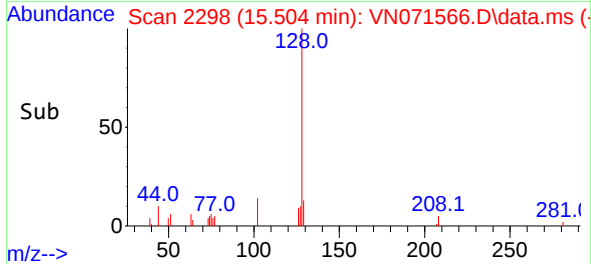
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2022



Tgt Ion:128 Resp: 10320
Ion Ratio Lower Upper
128 100
127 10.2 10.7 16.1
129 12.8 9.0 13.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/28/2022
Supervised By :Mahesh Dadoda 03/28/2022



#92
1,2,3-Trichlorobenzene
Concen: 1.041 ug/l
RT: 15.692 min Scan# 2330
Delta R.T. -0.006 min
Lab File: VN071566.D
Acq: 26 Mar 2022 11:23

Tgt Ion:180 Resp: 5541
Ion Ratio Lower Upper
180 100
182 102.7 0.0 190.0
145 32.2 0.0 67.8

