

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078480.D
 Acq On : 12 Jul 2023 14:53
 Operator : JC\MD
 Sample : 03572-09 .75PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Quant Time: Jul 13 04:33:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 13 04:30:43 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	425868	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	737591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	621572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	179905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	311479	54.557	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.120%			
35) Dibromofluoromethane	8.177	113	271160	54.156	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.320%			
50) Toluene-d8	10.571	98	970719	51.320	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.640%			
62) 4-Bromofluorobenzene	12.853	95	271251	46.557	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.120%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	4350	0.833	ug/l #	69
3) Chloromethane	2.371	50	5710	1.006	ug/l	96
4) Vinyl Chloride	2.518	62	5662	0.771	ug/l	93
5) Bromomethane	2.965	94	6851	1.307	ug/l #	79
6) Chloroethane	3.118	64	10198	2.055	ug/l	95
7) Trichlorofluoromethane	3.506	101	7244	0.825	ug/l	100
8) Diethyl Ether	3.977	74	2194	0.750	ug/l	58
9) 1,1,2-Trichlorotrifluo...	4.377	101	4181	0.900	ug/l #	65
10) Methyl Iodide	4.600	142	4596	0.720	ug/l #	84
11) Tert butyl alcohol	5.547	59	4733	5.376	ug/l #	72
12) 1,1-Dichloroethene	4.342	96	4011	0.893	ug/l #	87
13) Acrolein	4.212	56	3642	4.205	ug/l	90
14) Allyl chloride	5.041	41	4525m	0.737	ug/l	
15) Acrylonitrile	5.730	53	7238	3.254	ug/l #	85
16) Acetone	4.465	43	9289m	5.223	ug/l	
17) Carbon Disulfide	4.730	76	10762	0.828	ug/l #	75
18) Methyl Acetate	5.036	43	6662	0.885	ug/l #	60
19) Methyl tert-butyl Ether	5.800	73	10567	0.714	ug/l #	87
20) Methylene Chloride	5.277	84	6875m	1.198	ug/l	
21) trans-1,2-Dichloroethene	5.800	96	4024	0.795	ug/l #	57
22) Diisopropyl ether	6.694	45	9783	0.712	ug/l #	78
23) Vinyl Acetate	6.612	43	34787	3.980	ug/l #	86
24) 1,1-Dichloroethane	6.577	63	7333	0.792	ug/l	93
25) 2-Butanone	7.500	43	11127	3.975	ug/l #	83
26) 2,2-Dichloropropane	7.506	77	5873	0.775	ug/l #	53
27) cis-1,2-Dichloroethene	7.494	96	4237	0.723	ug/l	79
28) Bromochloromethane	7.812	49	2847	0.652	ug/l #	92
29) Tetrahydrofuran	7.859	42	7039	3.832	ug/l	89
30) Chloroform	7.977	83	8503	0.882	ug/l	90
31) Cyclohexane	8.241	56	15201	1.970	ug/l #	53
32) 1,1,1-Trichloroethane	8.182	97	6740	0.779	ug/l #	49
36) 1,1-Dichloropropene	8.382	75	6368	0.881	ug/l #	88
37) Ethyl Acetate	7.577	43	4283	0.711	ug/l #	81
38) Carbon Tetrachloride	8.365	117	5174	0.658	ug/l #	59
39) Methylcyclohexane	9.600	83	4957	0.751	ug/l #	82
40) Benzene	8.618	78	16051	0.749	ug/l	99

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Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.800	41	2147	0.699	ug/l #	90
42) 1,2-Dichloroethane	8.677	62	6940	0.953	ug/l	99
43) Isopropyl Acetate	8.694	43	7676	0.774	ug/l	95
44) Trichloroethene	9.359	130	4234	0.733	ug/l	96
45) 1,2-Dichloropropane	9.635	63	4500	0.830	ug/l	99
46) Dibromomethane	9.724	93	3239	0.848	ug/l	94
47) Bromodichloromethane	9.900	83	6617	0.865	ug/l	97
48) Methyl methacrylate	9.688	41	3657	0.796	ug/l	86
49) 1,4-Dioxane	9.700	88	1956	19.511	ug/l #	87
51) 4-Methyl-2-Pentanone	10.453	43	19813	3.357	ug/l	89
52) Toluene	10.635	92	9881	0.744	ug/l	86
53) t-1,3-Dichloropropene	10.847	75	5917	0.755	ug/l	96
54) cis-1,3-Dichloropropene	10.323	75	6415	0.768	ug/l #	76
55) 1,1,2-Trichloroethane	11.029	97	4278	0.818	ug/l	96
56) Ethyl methacrylate	10.888	69	5115	0.700	ug/l #	67
57) 1,3-Dichloropropane	11.171	76	6226	0.700	ug/l	94
58) 2-Chloroethyl Vinyl ether	10.165	63	7413	2.845	ug/l	93
59) 2-Hexanone	11.206	43	14641	3.490	ug/l	84
60) Dibromochloromethane	11.370	129	4074	0.706	ug/l	99
61) 1,2-Dibromoethane	11.470	107	4196	0.779	ug/l	99
64) Tetrachloroethene	11.112	164	4673	1.000	ug/l	82
65) Chlorobenzene	11.894	112	9882	0.711	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.965	131	4269	0.799	ug/l #	59
67) Ethyl Benzene	11.970	91	17078	0.727	ug/l	100
68) m/p-Xylenes	12.082	106	12458	1.435	ug/l	94
69) o-Xylene	12.400	106	6441	0.734	ug/l	88
70) Styrene	12.417	104	8244	0.601	ug/l	94
71) Bromoform	12.588	173	2265	0.626	ug/l #	97
73) Isopropylbenzene	12.700	105	14782	0.874	ug/l	96
74) N-amyl acetate	12.500	43	4703	0.807	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.935	83	5674	0.994	ug/l #	89
76) 1,2,3-Trichloropropane	13.000	75	4856m	1.117	ug/l	
77) Bromobenzene	12.976	156	3891m	0.937	ug/l	
78) n-propylbenzene	13.041	91	14993	0.829	ug/l	99
79) 2-Chlorotoluene	13.135	91	10097	0.853	ug/l	95
80) 1,3,5-Trimethylbenzene	13.182	105	10614	0.795	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.741	75	1331m	0.804	ug/l	
82) 4-Chlorotoluene	13.229	91	8922	0.808	ug/l	96
83) tert-Butylbenzene	13.447	119	9484	0.836	ug/l	91
84) 1,2,4-Trimethylbenzene	13.482	105	8057	0.621	ug/l	82
85) sec-Butylbenzene	13.623	105	10404	0.726	ug/l	89
86) p-Isopropyltoluene	13.741	119	8314	0.722	ug/l	96
87) 1,3-Dichlorobenzene	13.741	146	4758	0.733	ug/l	87
88) 1,4-Dichlorobenzene	13.741	146	4758	0.728	ug/l	84
89) n-Butylbenzene	14.064	91	5058	0.614	ug/l	97
90) Hexachloroethane	14.347	117	2510	1.032	ug/l	92
91) 1,2-Dichlorobenzene	14.117	146	5772	0.894	ug/l	92
92) 1,2-Dibromo-3-Chloropr...	14.735	75	790	0.840	ug/l	96
93) 1,2,4-Trichlorobenzene	15.400	180	1350	0.655	ug/l #	74
94) Hexachlorobutadiene	15.506	225	1054	0.781	ug/l #	66
95) Naphthalene	15.658	128	4860	0.690	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.841	180	1824	0.770	ug/l	85

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ClientSampleId :
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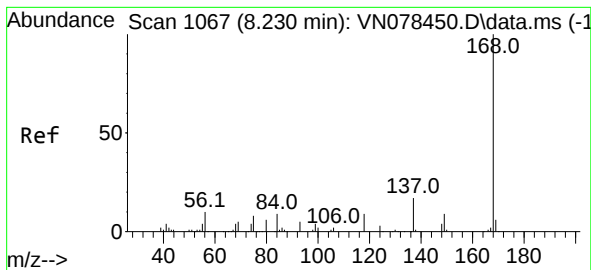
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 07/13/2023

Quant Time: Jul 13 04:33:20 2023
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Quant Title : SW846 8260
QLast Update : Thu Jul 13 04:30:43 2023
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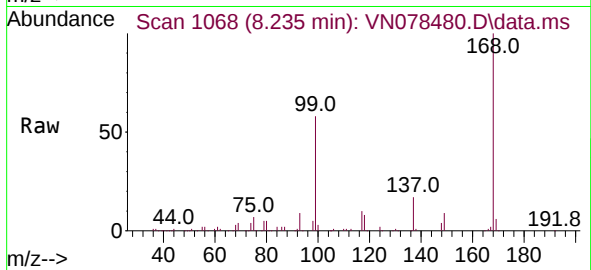
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1067
Delta R.T. 0.005 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

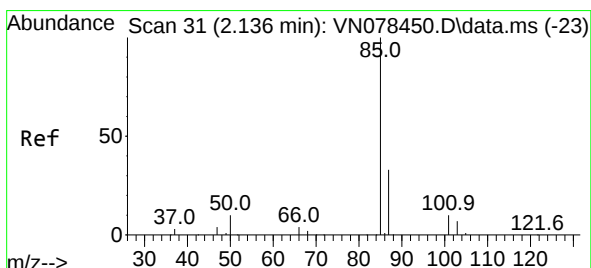
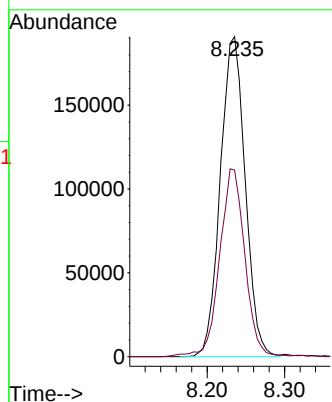
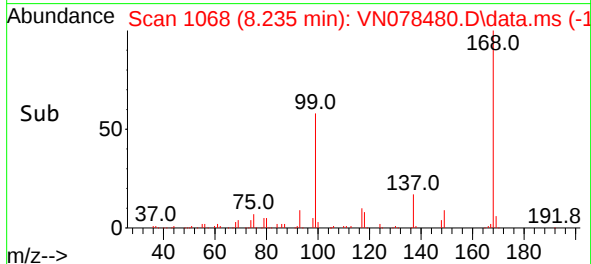
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:168 Resp: 42586
Ion Ratio Lower Upper
168 100
99 57.9 53.0 79.6

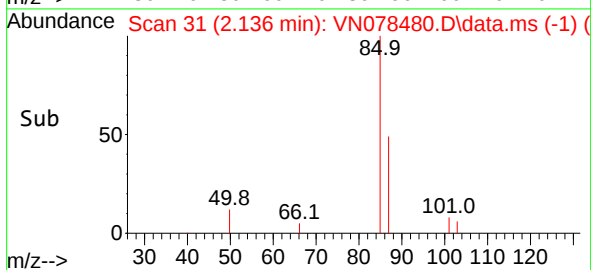
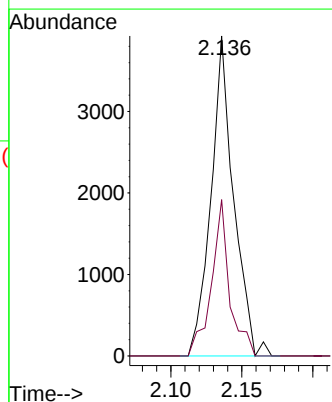
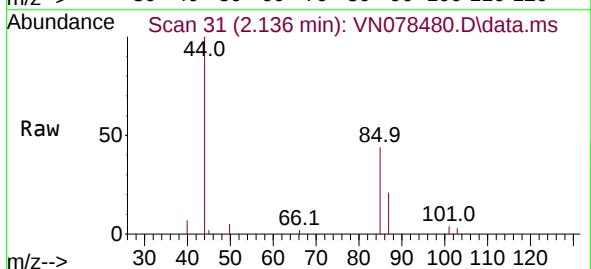
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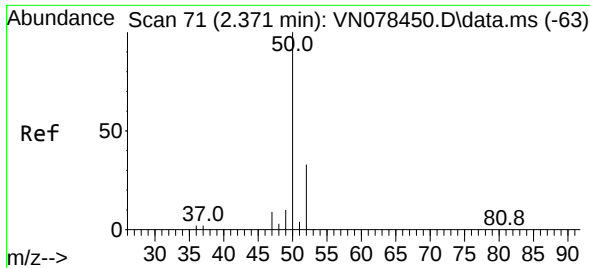
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#2
Dichlorodifluoromethane
Concen: 0.833 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

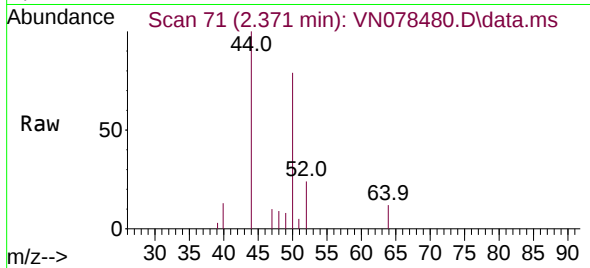
Tgt Ion: 85 Resp: 4350
Ion Ratio Lower Upper
85 100
87 48.8 15.8 47.4





#3
Chloromethane
Concen: 1.006 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

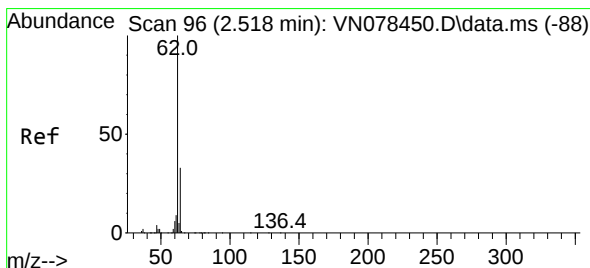
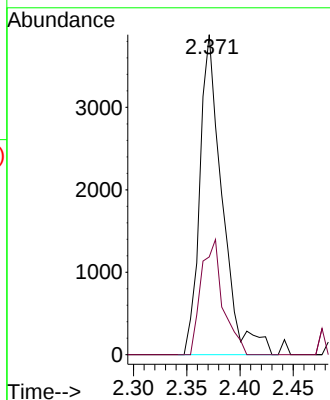
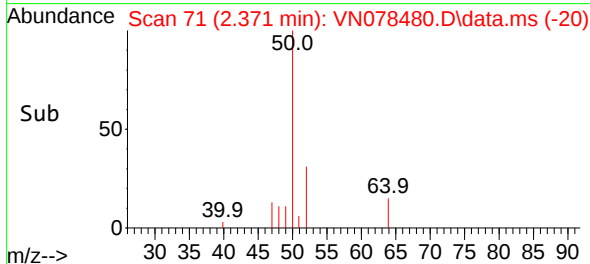
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 50 Resp: 5710
Ion Ratio Lower Upper
50 100
52 30.6 26.5 39.7

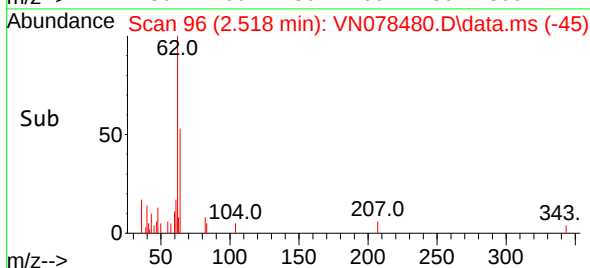
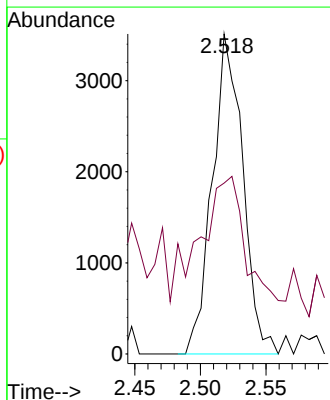
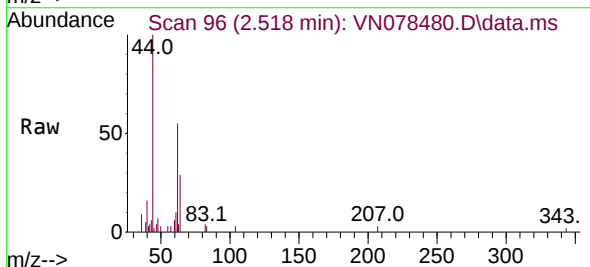
Manual Integrations
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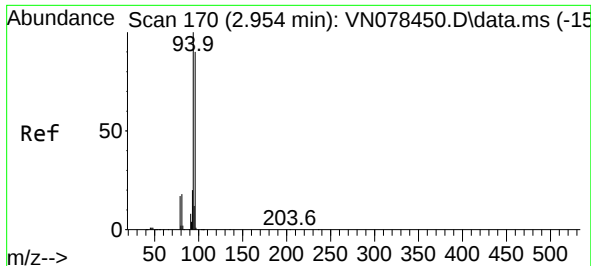
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#4
Vinyl Chloride
Concen: 0.771 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

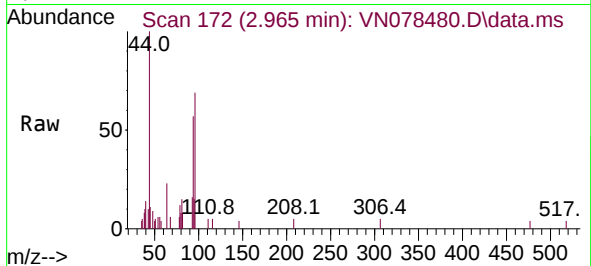
Tgt Ion: 62 Resp: 5662
Ion Ratio Lower Upper
62 100
64 36.7 26.2 39.2





#5
Bromomethane
Concen: 1.307 ug/l
RT: 2.965 min Scan# 170
Delta R.T. 0.011 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

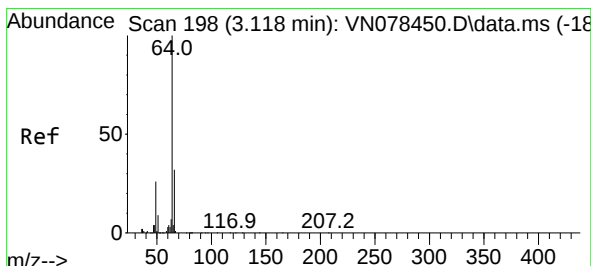
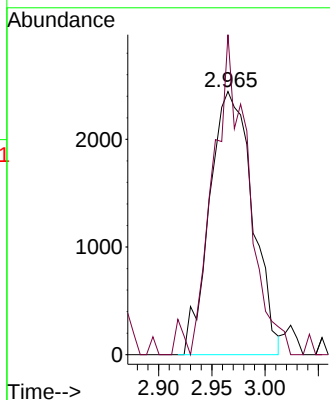
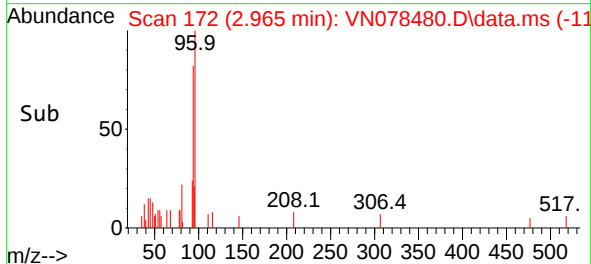
Instrument :
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Tgt Ion: 94 Resp: 685
Ion Ratio Lower Upper
94 100
96 111.0 73.1 109.7

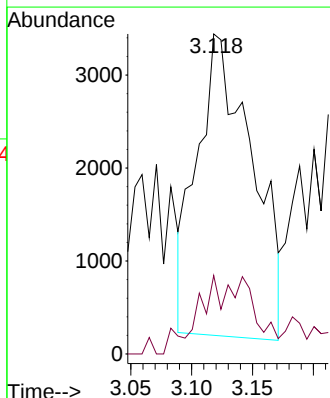
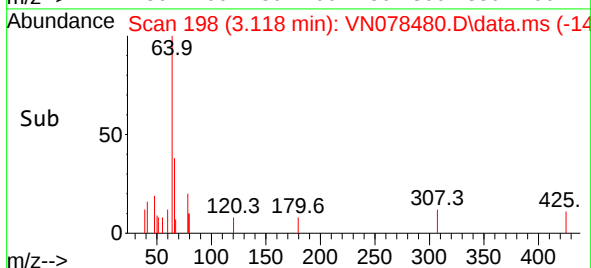
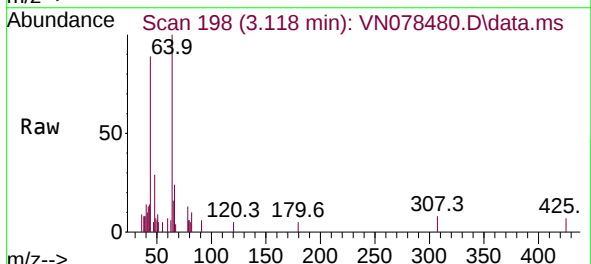
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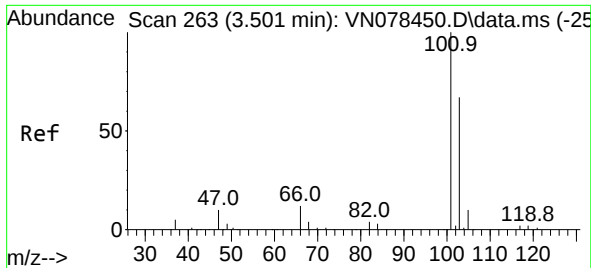
Reviewed By :John Carlone 07/13/2023
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#6
Chloroethane
Concen: 2.055 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078480.D
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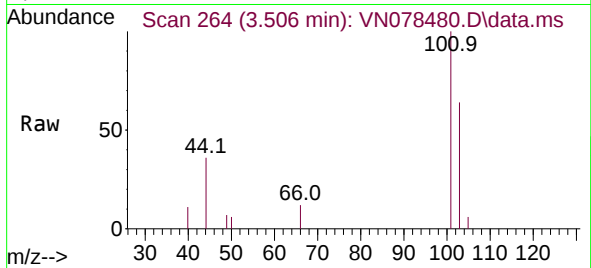
Tgt Ion: 64 Resp: 10198
Ion Ratio Lower Upper
64 100
66 28.8 25.4 38.2





#7
Trichlorofluoromethane
Concen: 0.825 ug/l
RT: 3.506 min Scan# 210
Delta R.T. 0.005 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

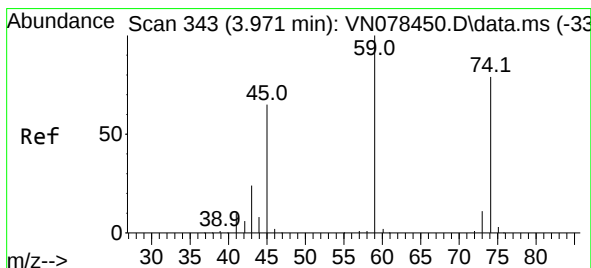
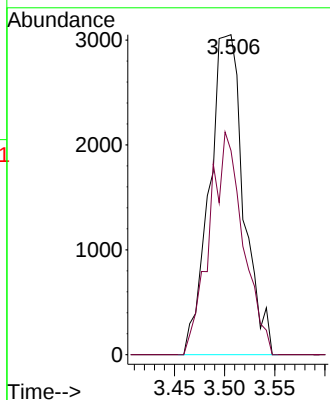
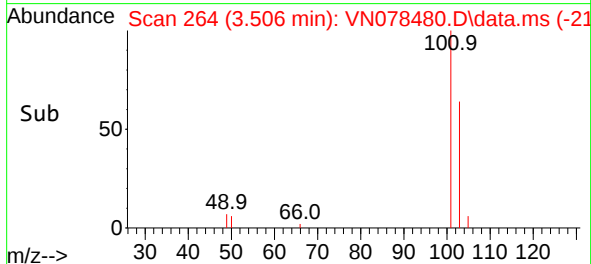
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:101 Resp: 724
Ion Ratio Lower Upper
101 100
103 63.7 50.7 76.1

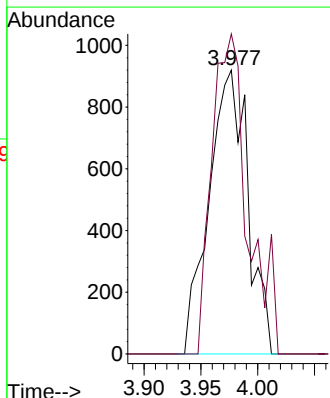
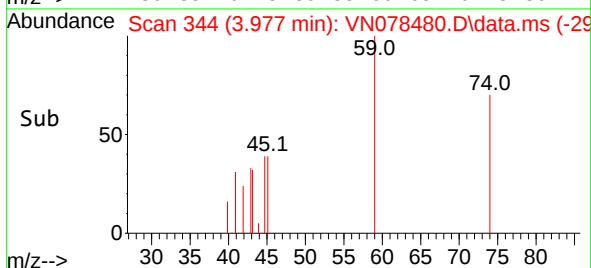
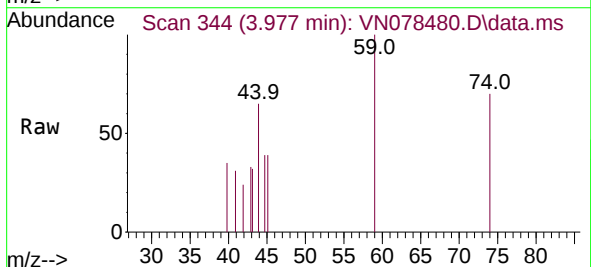
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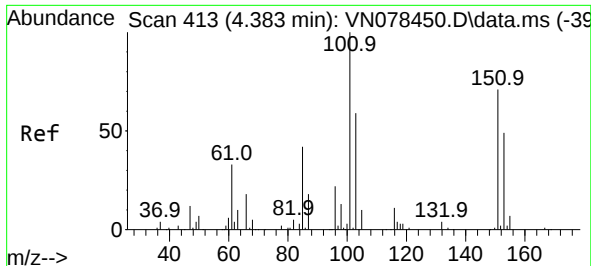
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#8
Diethyl Ether
Concen: 0.750 ug/l
RT: 3.977 min Scan# 344
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion: 74 Resp: 2194
Ion Ratio Lower Upper
74 100
45 103.3 34.4 103.3





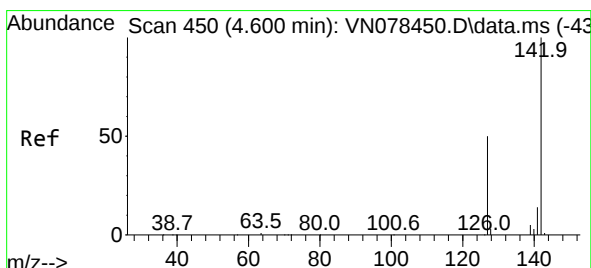
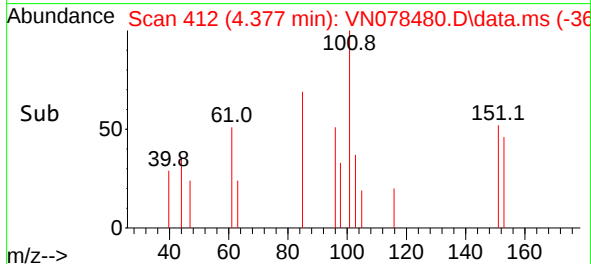
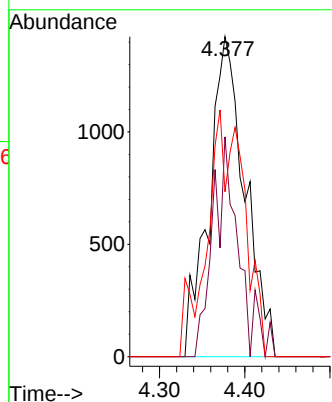
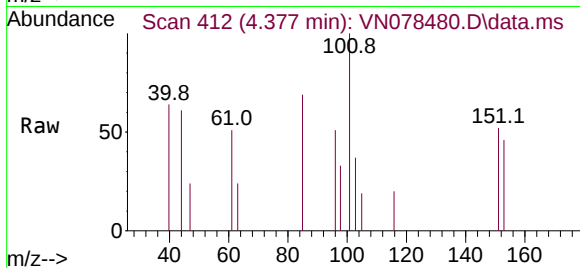
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.900 ug/l
RT: 4.377 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:101 Resp: 418
Ion Ratio Lower Upper
101 100
85 44.0 36.6 55.0
151 25.3 57.6 86.4

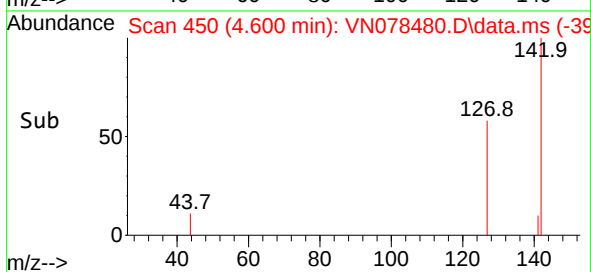
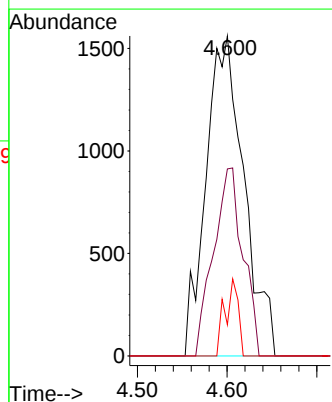
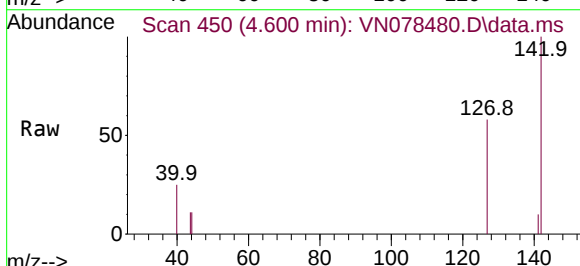
Manual Integrations
APPROVED

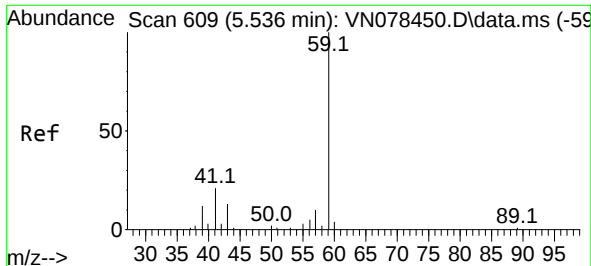
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#10
Methyl Iodide
Concen: 0.720 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

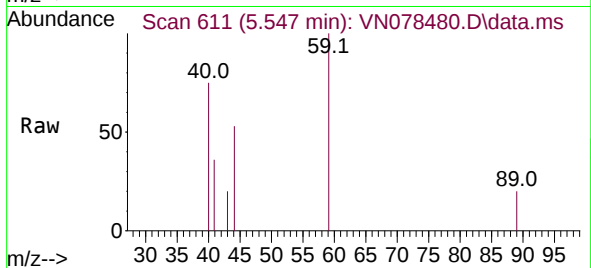
Tgt Ion:142 Resp: 4596
Ion Ratio Lower Upper
142 100
127 58.4 37.6 56.4#
141 9.7 11.4 17.0#





#11
Tert butyl alcohol
Concen: 5.376 ug/l
RT: 5.547 min Scan# 611
Delta R.T. 0.011 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

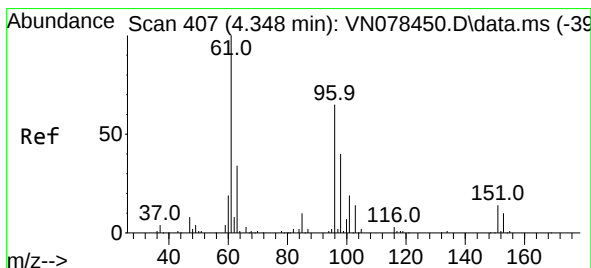
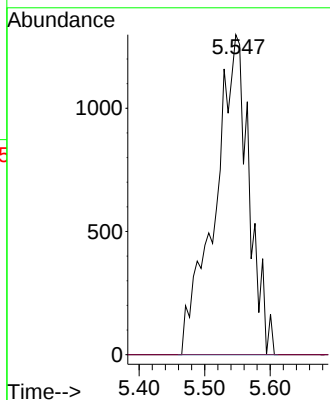
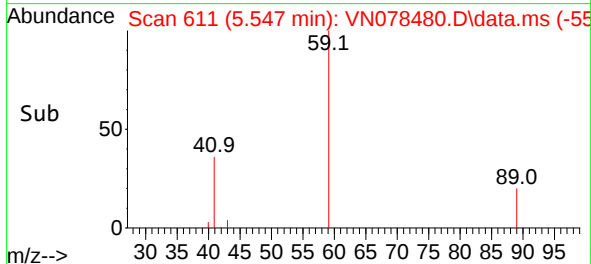
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



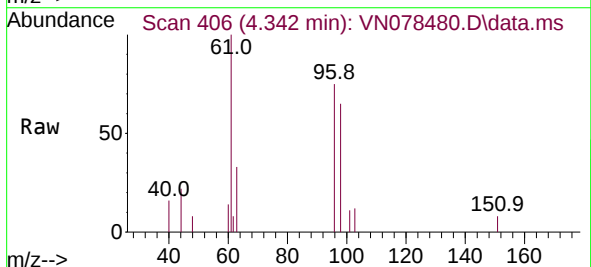
Tgt Ion: 59 Resp: 473
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4

Manual Integrations
APPROVED

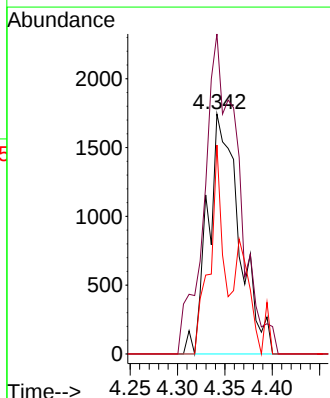
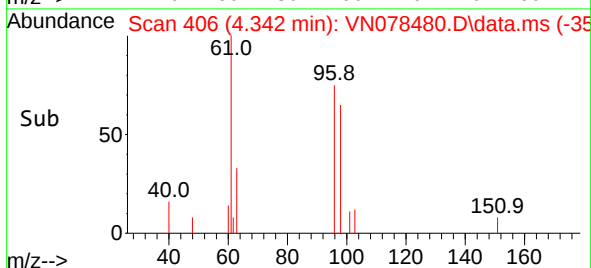
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

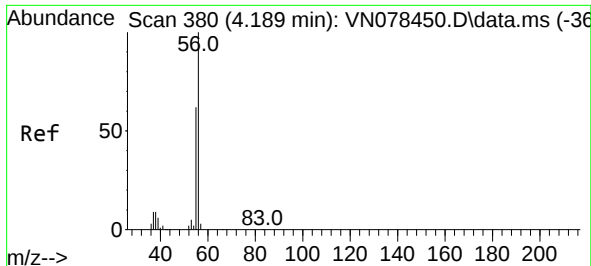


#12
1,1-Dichloroethene
Concen: 0.893 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53



Tgt Ion: 96 Resp: 4011
Ion Ratio Lower Upper
96 100
61 133.3 112.7 169.1
98 87.0 51.2 76.8





#13

Acrolein

Concen: 4.205 ug/l

RT: 4.212 min Scan# 384

Delta R.T. 0.023 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 56 Resp: 364

Ion Ratio Lower Upper

56 100

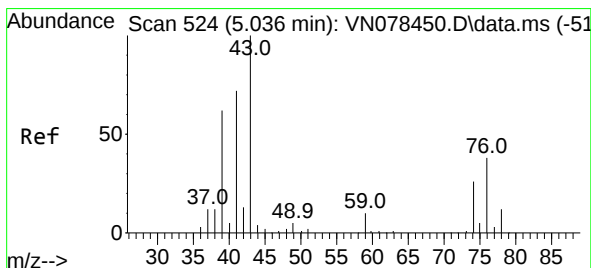
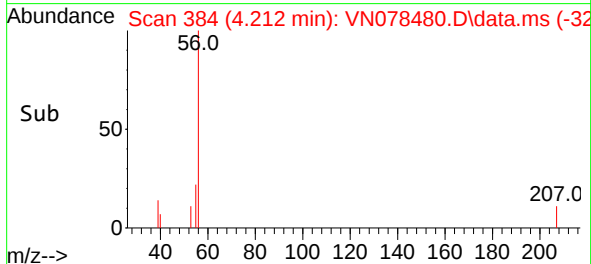
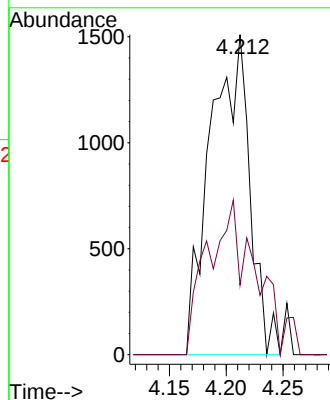
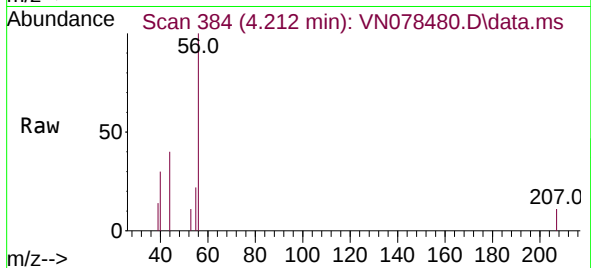
55 59.9 54.5 81.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#14

Allyl chloride

Concen: 0.737 ug/l m

RT: 5.041 min Scan# 525

Delta R.T. 0.005 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

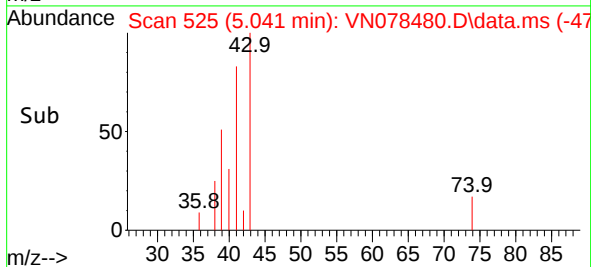
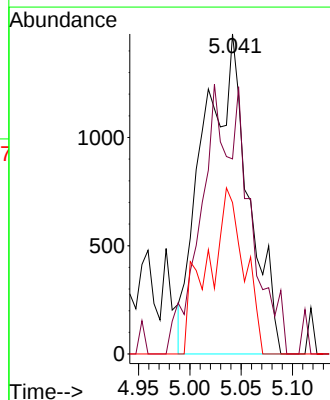
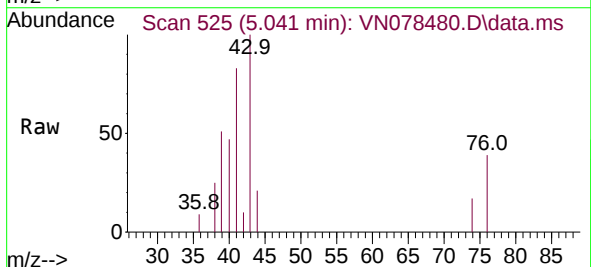
Tgt Ion: 41 Resp: 4525

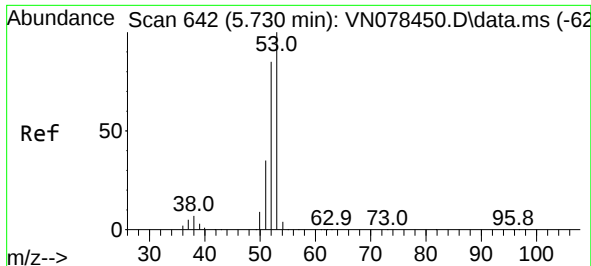
Ion Ratio Lower Upper

41 100

39 54.9 58.8 88.2#

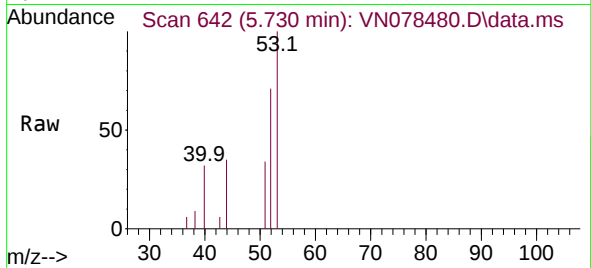
76 33.4 39.1 58.7#





#15
Acrylonitrile
Concen: 3.254 ug/l
RT: 5.730 min Scan# 642
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

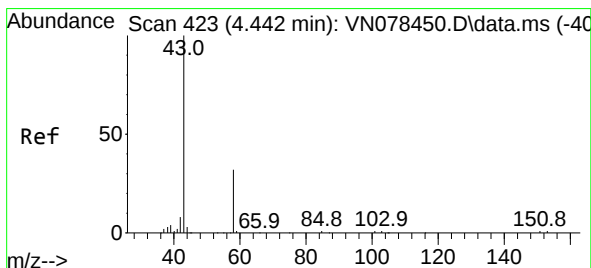
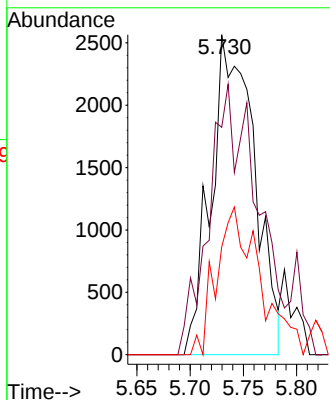
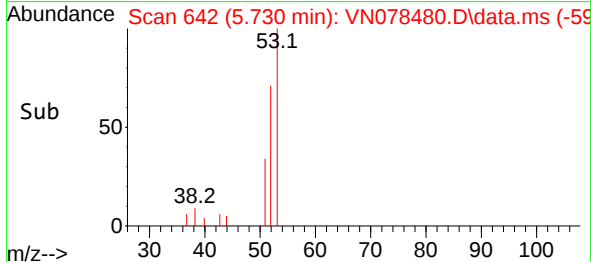
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



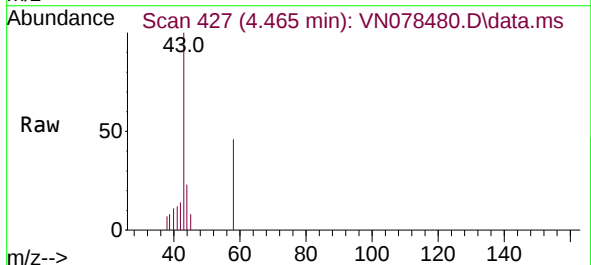
Tgt Ion: 53 Resp: 7238
Ion Ratio Lower Upper
53 100
52 94.6 65.3 97.9
51 46.3 28.9 43.3

Manual Integrations
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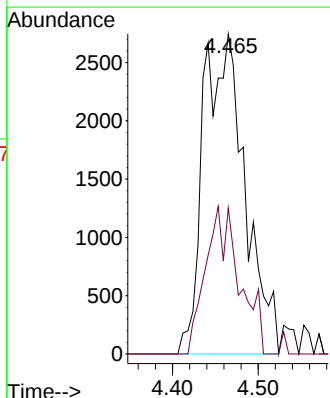
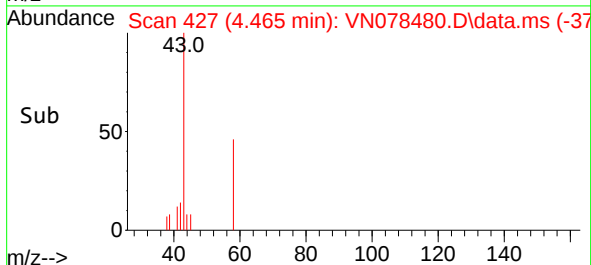
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

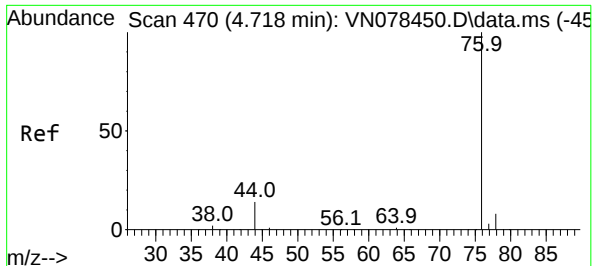


#16
Acetone
Concen: 5.223 ug/l m
RT: 4.465 min Scan# 427
Delta R.T. 0.023 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53



Tgt Ion: 43 Resp: 9289
Ion Ratio Lower Upper
43 100
58 45.7 28.0 42.0





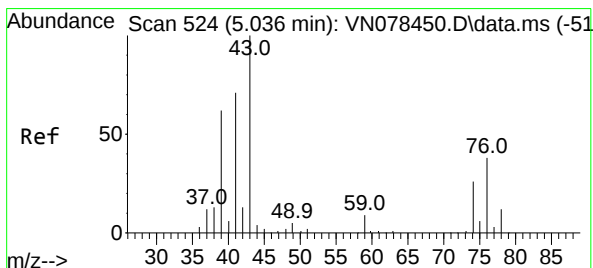
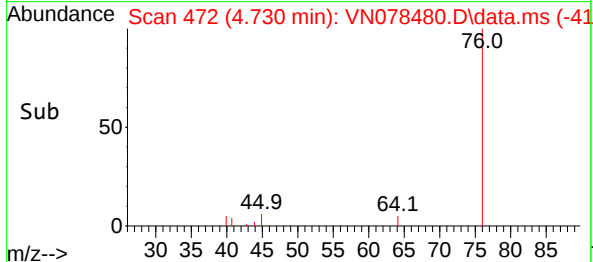
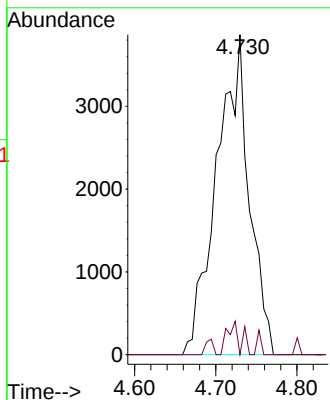
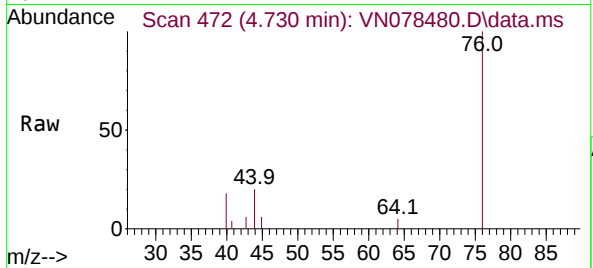
#17
Carbon Disulfide
Concen: 0.828 ug/l
RT: 4.730 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 76 Resp: 10762
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0

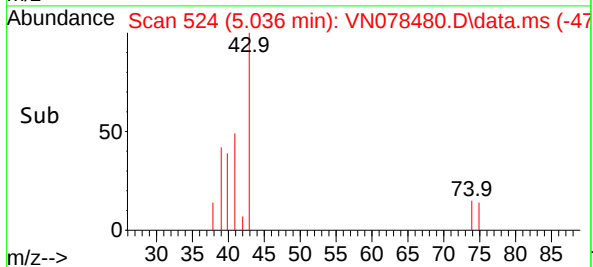
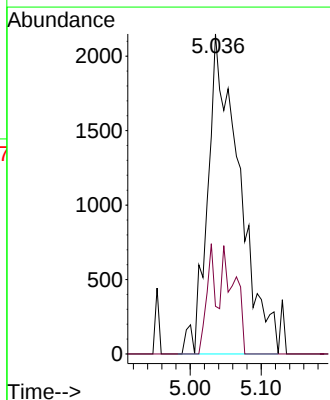
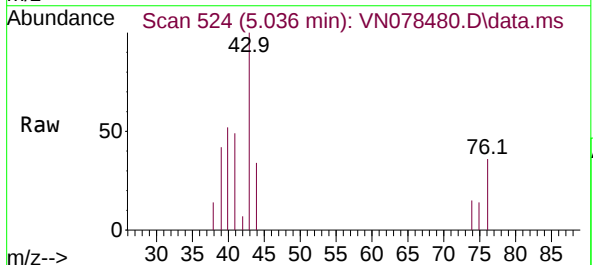
Manual Integrations
APPROVED

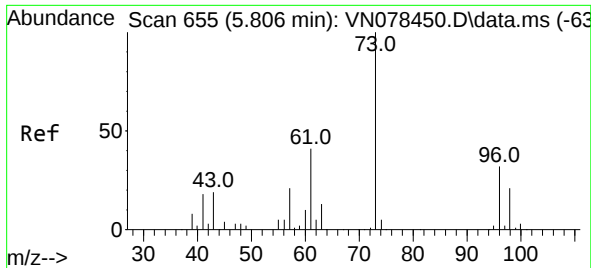
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#18
Methyl Acetate
Concen: 0.885 ug/l
RT: 5.036 min Scan# 524
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

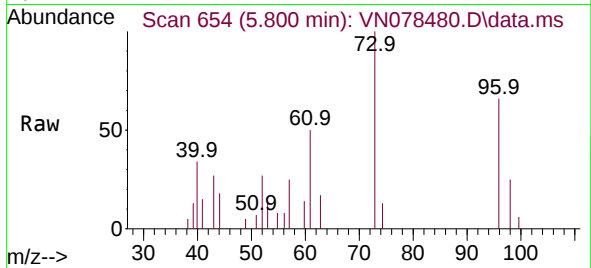
Tgt Ion: 43 Resp: 6662
Ion Ratio Lower Upper
43 100
74 10.4 26.2 39.4





#19
Methyl tert-butyl Ether
Concen: 0.714 ug/l
RT: 5.800 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

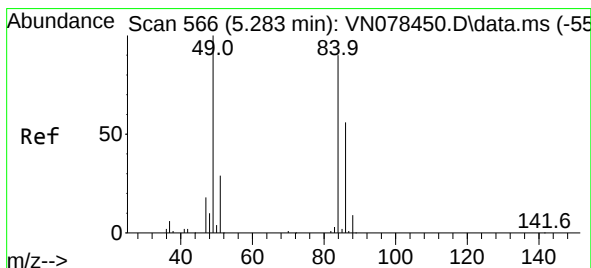
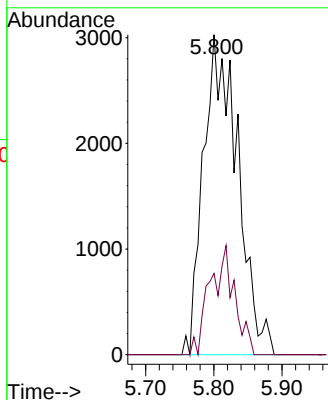
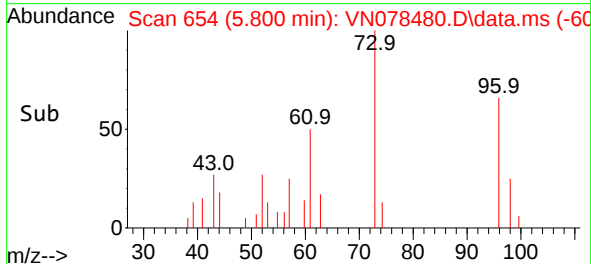
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



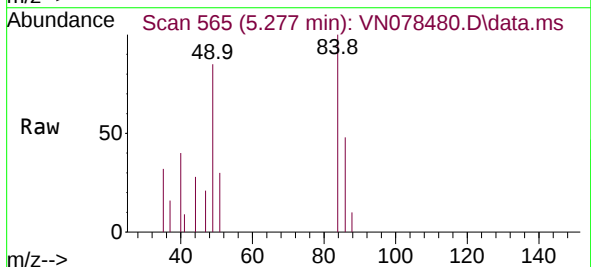
Tgt Ion: 73 Resp: 1056
Ion Ratio Lower Upper
73 100
57 25.4 15.6 23.4

Manual Integrations
APPROVED

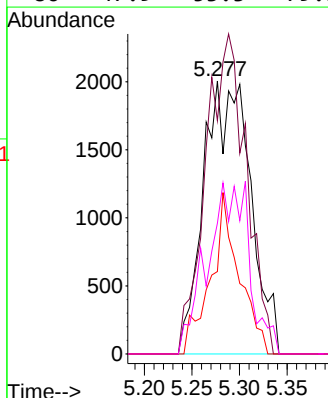
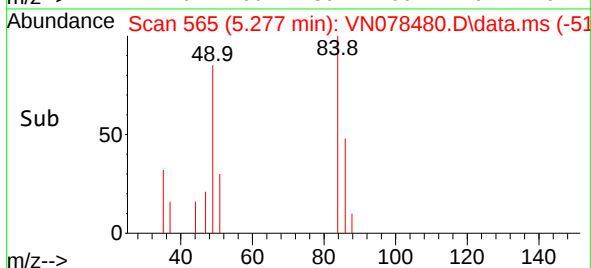
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

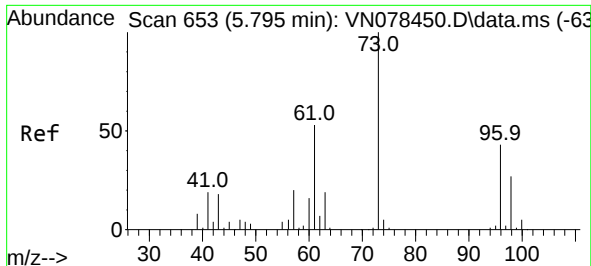


#20
Methylene Chloride
Concen: 1.198 ug/l m
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53



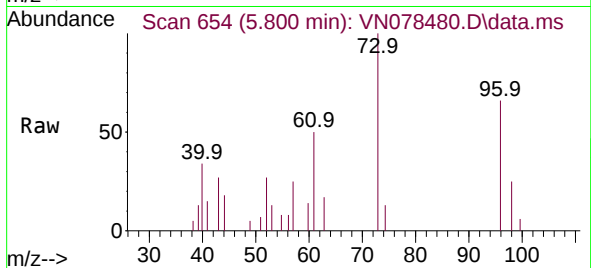
Tgt Ion: 84 Resp: 6875
Ion Ratio Lower Upper
84 100
49 85.5 79.7 119.5
51 30.2 25.2 37.8
86 47.9 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 0.795 ug/l
RT: 5.800 min Scan# 610
Delta R.T. 0.005 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

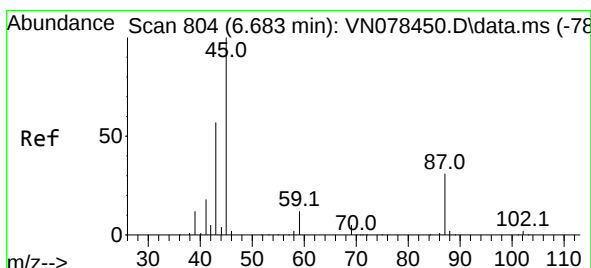
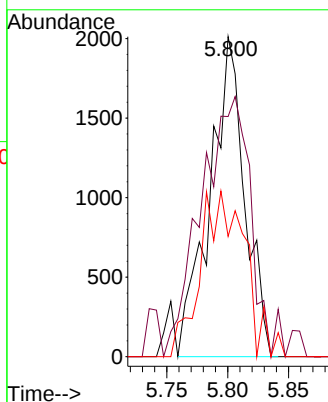
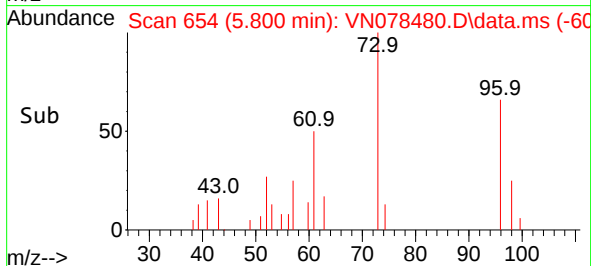
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



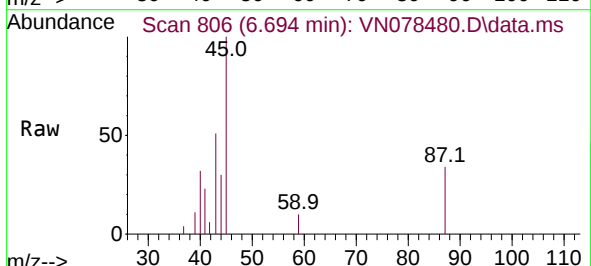
Tgt Ion: 96 Resp: 4024
Ion Ratio Lower Upper
96 100
61 63.2 90.1 135.1#
98 30.1 46.4 69.6#

Manual Integrations
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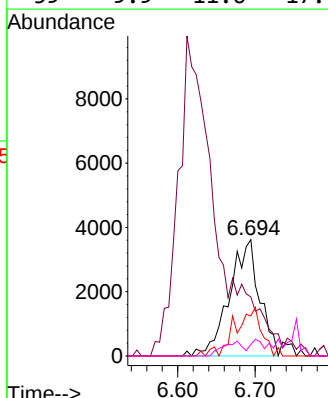
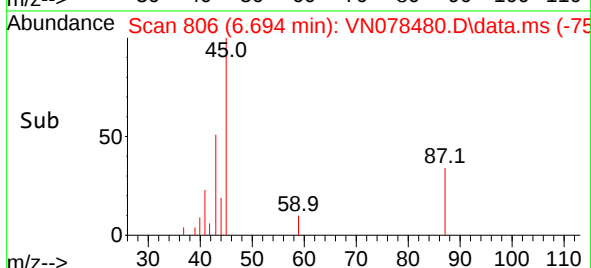
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

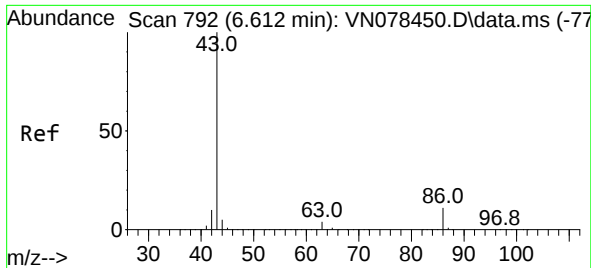


#22
Diisopropyl ether
Concen: 0.712 ug/l
RT: 6.694 min Scan# 806
Delta R.T. 0.011 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53



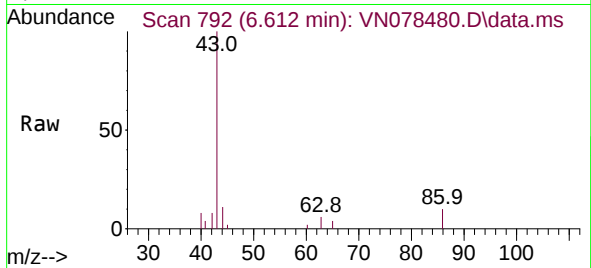
Tgt Ion: 45 Resp: 9783
Ion Ratio Lower Upper
45 100
43 31.6 45.5 68.3#
87 34.4 31.8 47.8
59 9.9 11.6 17.4#





#23
 Vinyl Acetate
 Concen: 3.980 ug/l
 RT: 6.612 min Scan# 792
 Delta R.T. -0.000 min
 Lab File: VN078480.D
 Acq: 12 Jul 2023 14:53

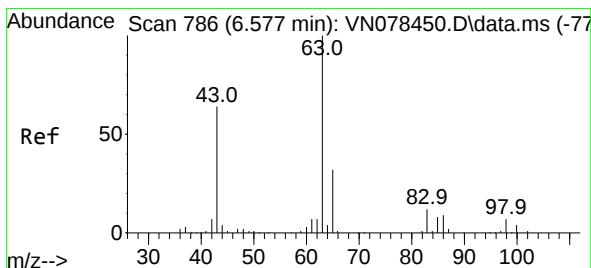
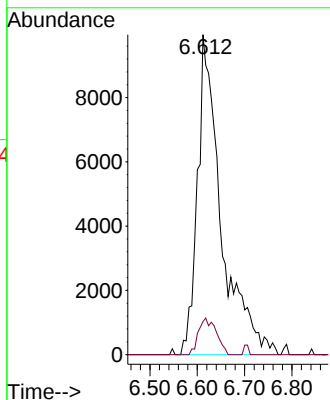
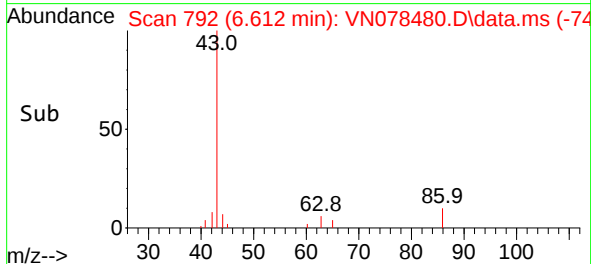
Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT3-2023



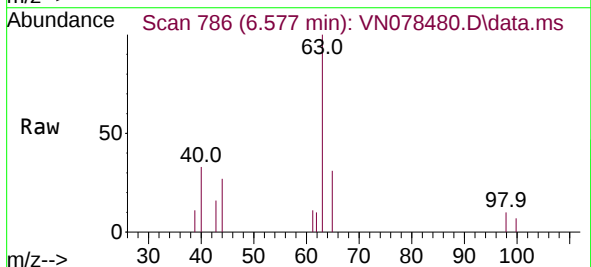
Tgt Ion: 43 Resp: 3478
 Ion Ratio Lower Upper
 43 100
 86 10.4 13.0 19.6

Manual Integrations
 APPROVED

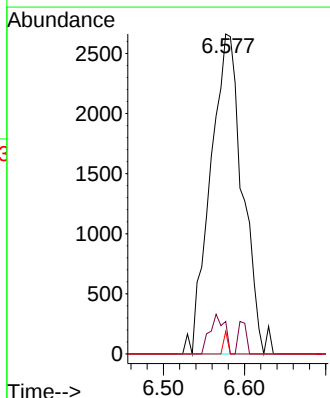
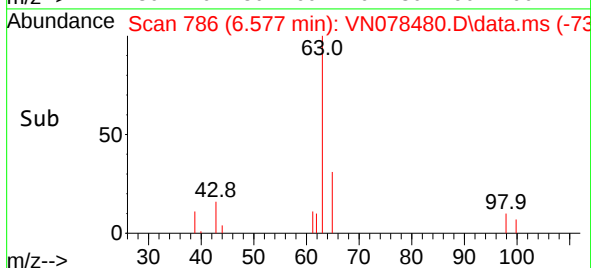
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

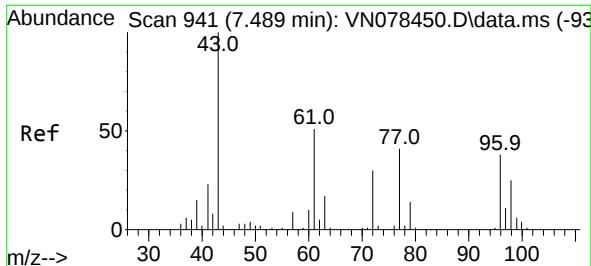


#24
 1,1-Dichloroethane
 Concen: 0.792 ug/l
 RT: 6.577 min Scan# 786
 Delta R.T. -0.000 min
 Lab File: VN078480.D
 Acq: 12 Jul 2023 14:53



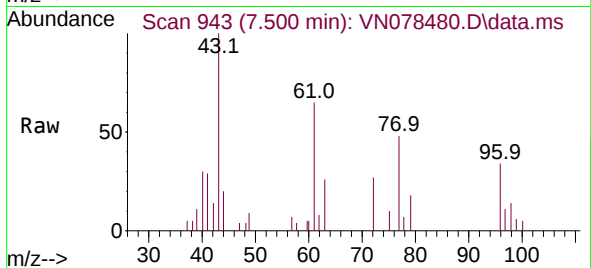
Tgt Ion: 63 Resp: 7333
 Ion Ratio Lower Upper
 63 100
 98 10.1 3.9 11.7
 100 7.1 2.5 7.4





#25
2-Butanone
Concen: 3.975 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.011 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

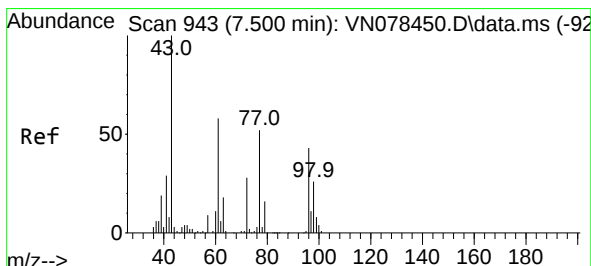
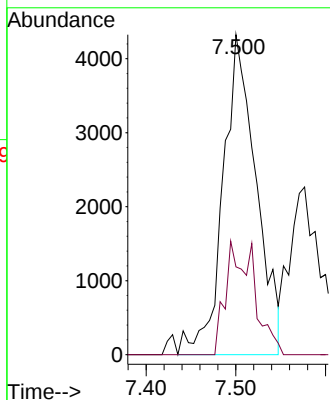
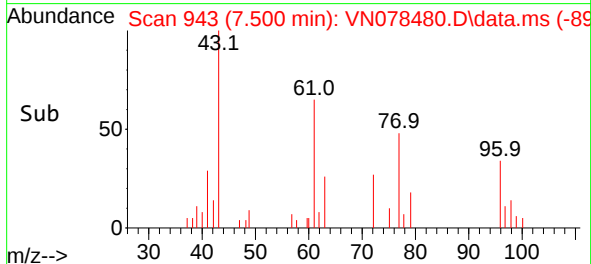
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 1112
Ion Ratio Lower Upper
43 100
72 27.5 30.2 45.2

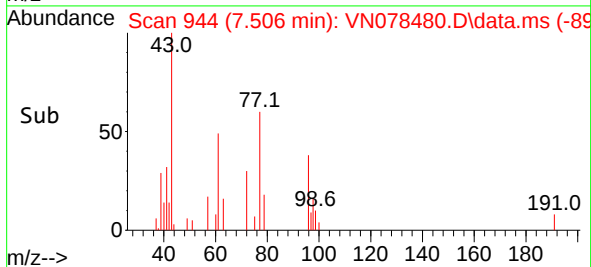
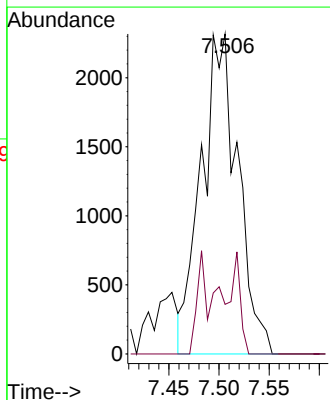
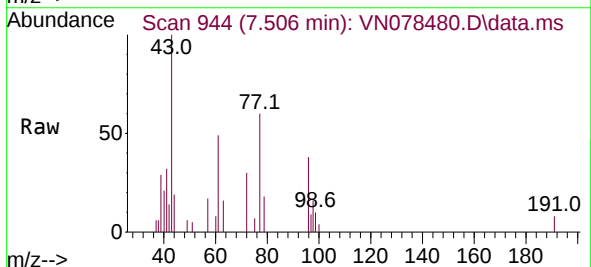
Manual Integrations
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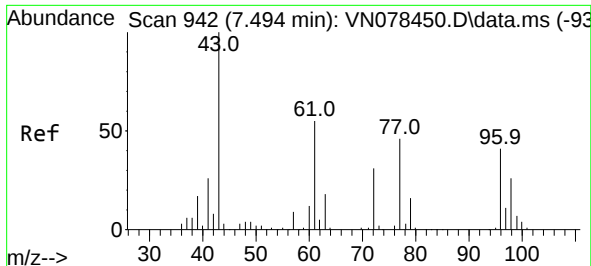
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#26
2,2-Dichloropropane
Concen: 0.775 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

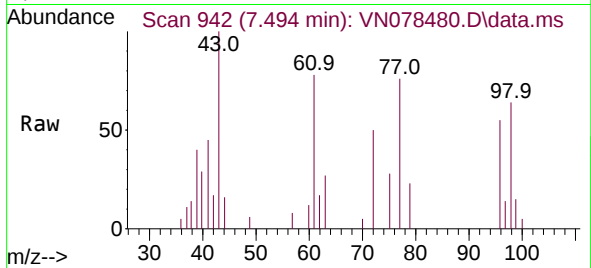
Tgt Ion: 77 Resp: 5873
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 0.723 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: VN078480.D
 Acq: 12 Jul 2023 14:53

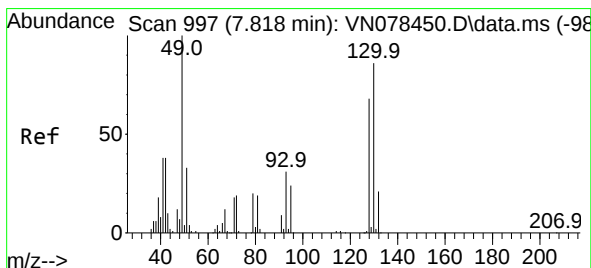
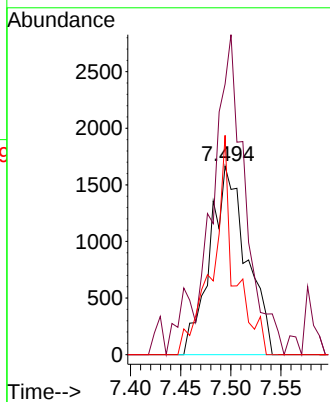
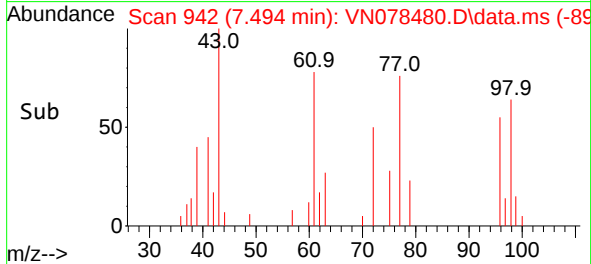
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023



Tgt Ion: 96 Resp: 423
 Ion Ratio Lower Upper
 96 100
 61 159.0 0.0 255.2
 98 70.0 0.0 128.8

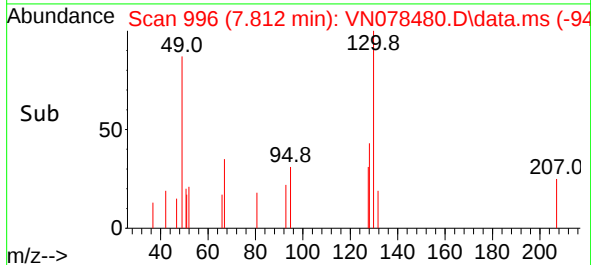
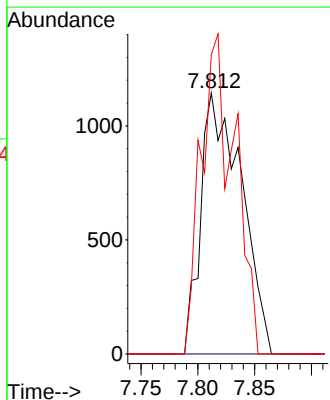
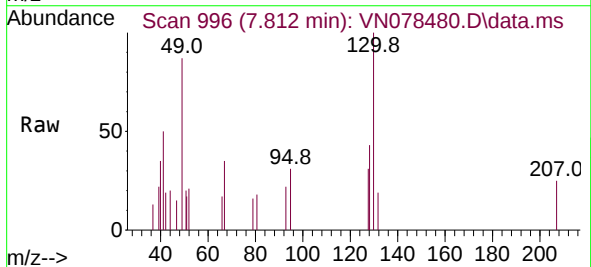
Manual Integrations
 APPROVED

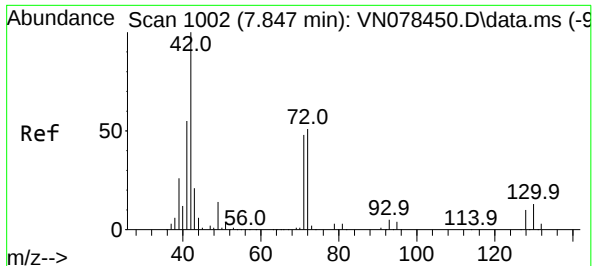
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023



#28
 Bromochloromethane
 Concen: 0.652 ug/l
 RT: 7.812 min Scan# 996
 Delta R.T. -0.006 min
 Lab File: VN078480.D
 Acq: 12 Jul 2023 14:53

Tgt Ion: 49 Resp: 2847
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 101.9 75.3 112.9





#29

Tetrahydrofuran

Concen: 3.832 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.012 min

Lab File: VN078480.D

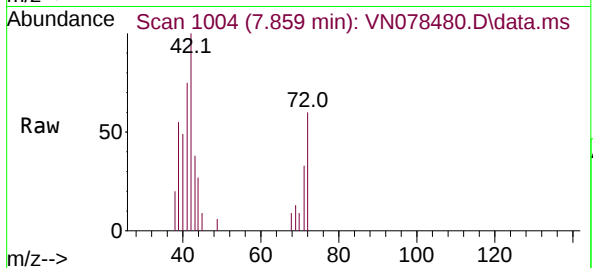
Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023



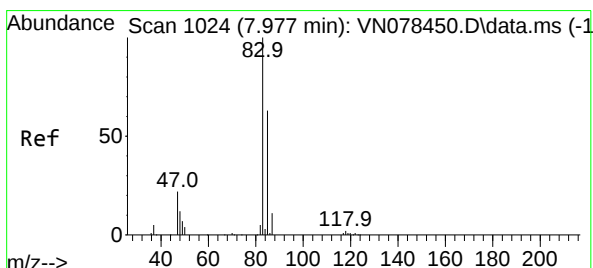
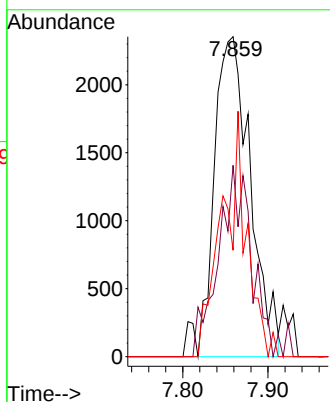
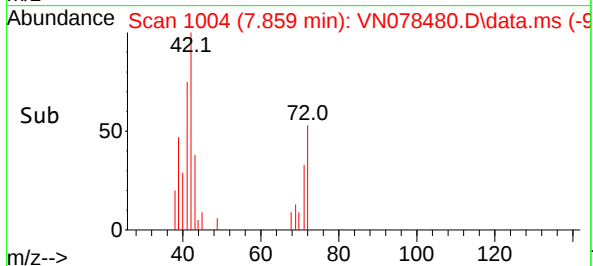
Tgt Ion:	42	Resp:	7039
Ion Ratio	Lower	Upper	
42	100		
72	53.1	49.8	74.6
71	51.4	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#30

Chloroform

Concen: 0.882 ug/l

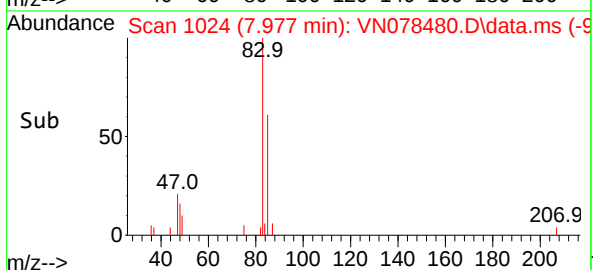
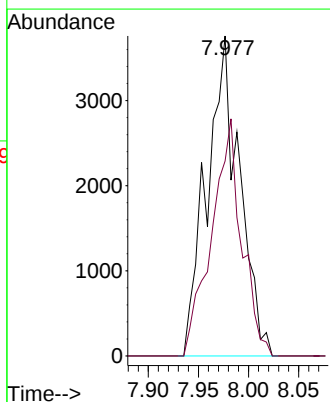
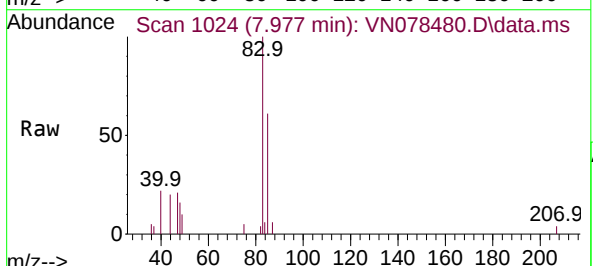
RT: 7.977 min Scan# 1024

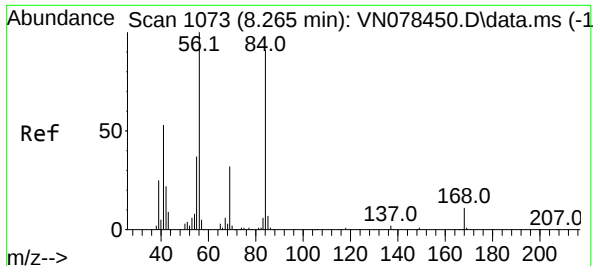
Delta R.T. -0.000 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

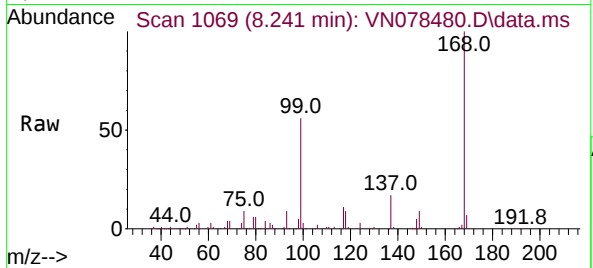
Tgt Ion:	83	Resp:	8503
Ion Ratio	Lower	Upper	
83	100		
85	60.9	55.4	83.0





#31
Cyclohexane
Concen: 1.970 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

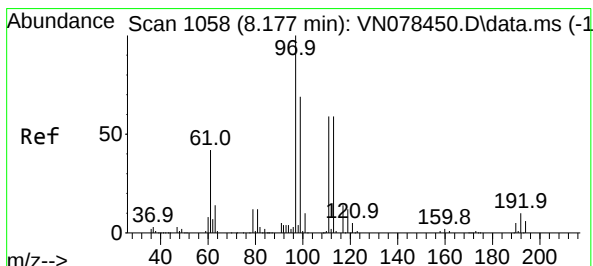
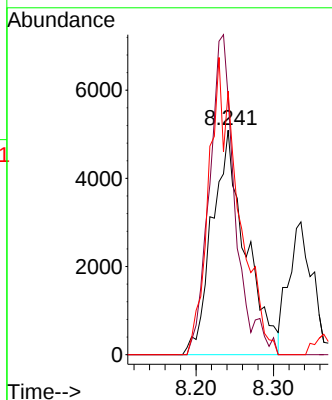
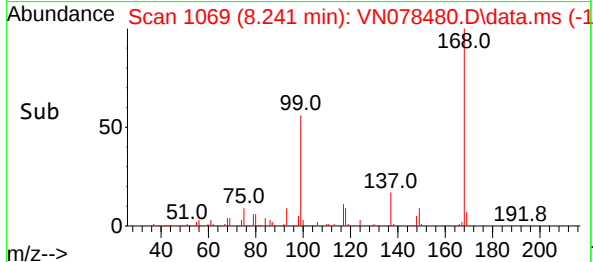
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 56 Resp: 1520
Ion Ratio Lower Upper
56 100
69 114.7 26.8 40.2
84 117.4 81.8 122.6

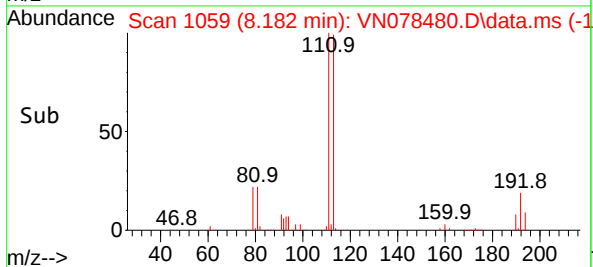
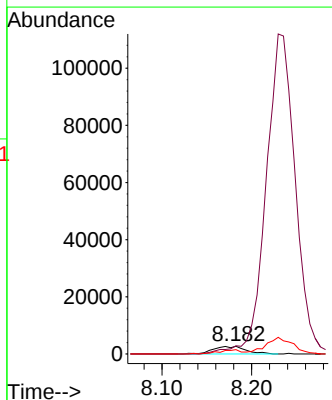
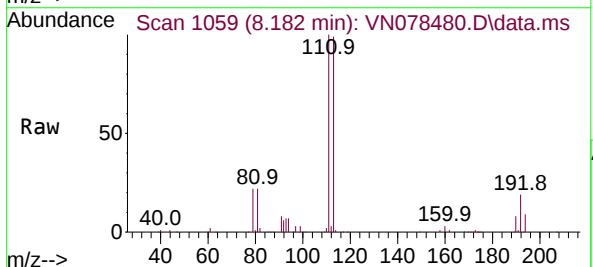
Manual Integrations
APPROVED

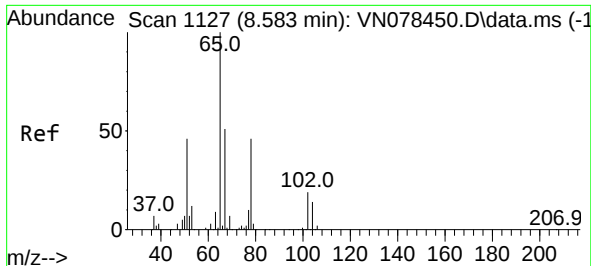
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#32
1,1,1-Trichloroethane
Concen: 0.779 ug/l
RT: 8.182 min Scan# 1059
Delta R.T. 0.005 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion: 97 Resp: 6740
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5
61 38.5 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 54.557 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 65 Resp: 311479

Ion Ratio Lower Upper

65 100

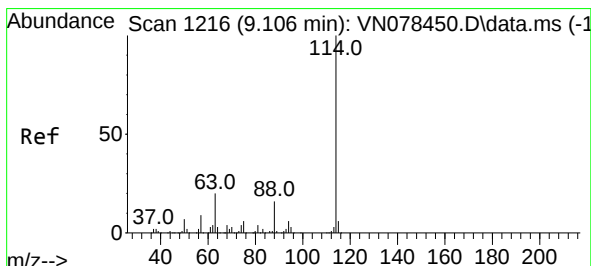
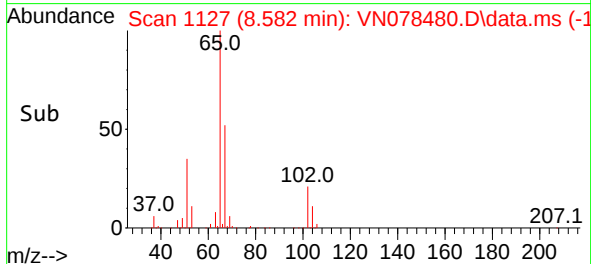
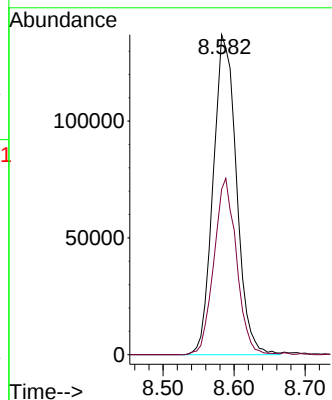
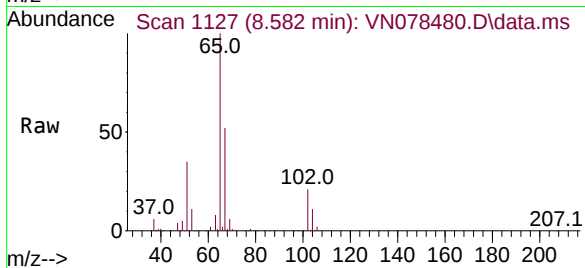
67 53.5 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

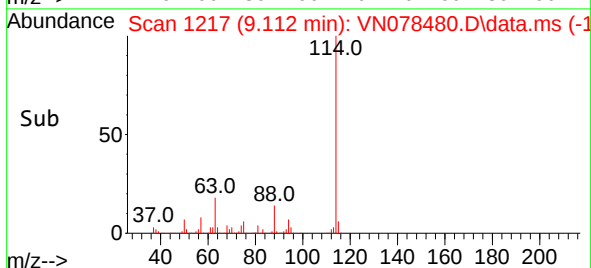
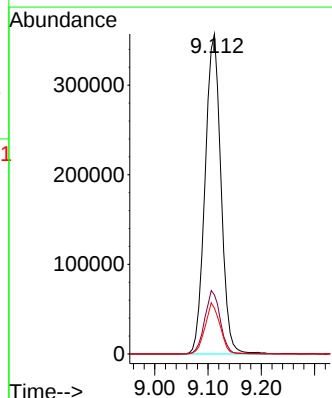
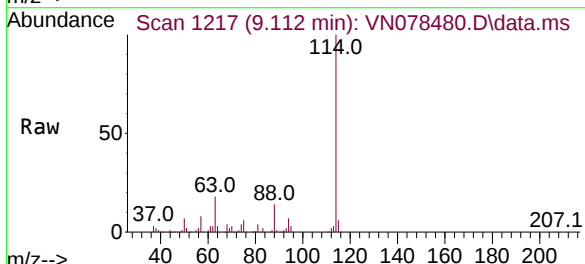
Tgt Ion:114 Resp: 737591

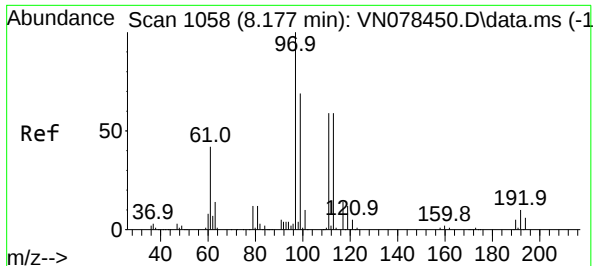
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.4

88 14.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.156 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 113 Resp: 271160

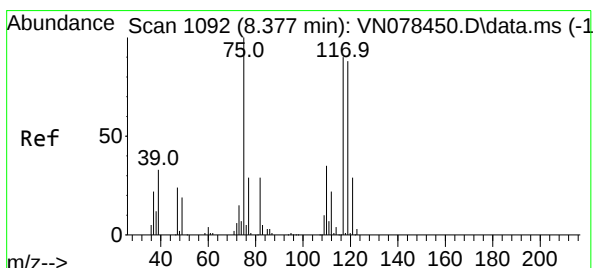
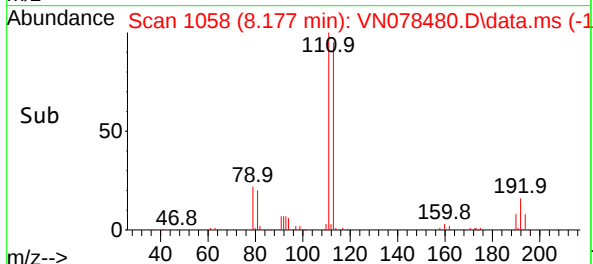
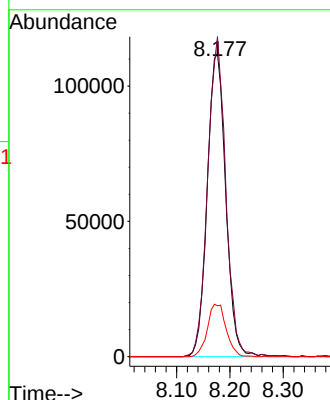
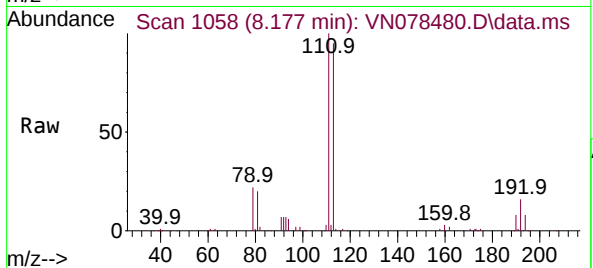
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	123.8
192	17.5	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#36

1,1-Dichloropropene

Concen: 0.881 ug/l

RT: 8.382 min Scan# 1093

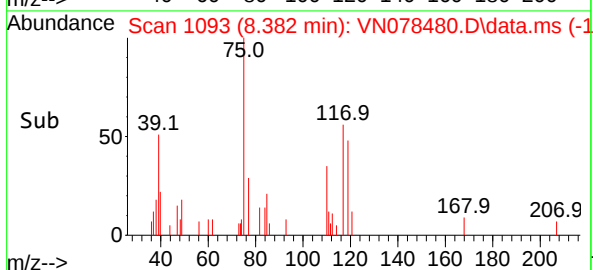
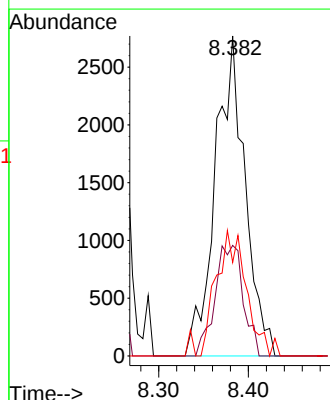
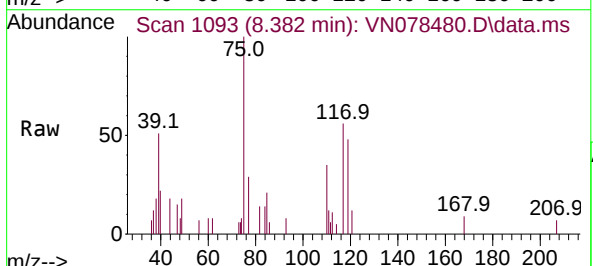
Delta R.T. 0.005 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Tgt Ion: 75 Resp: 6368

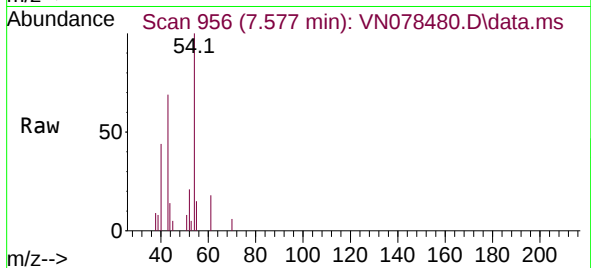
Ion	Ratio	Lower	Upper
75	100		
110	33.1	19.1	57.3
77	39.6	25.0	37.4





#37
Ethyl Acetate
Concen: 0.711 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

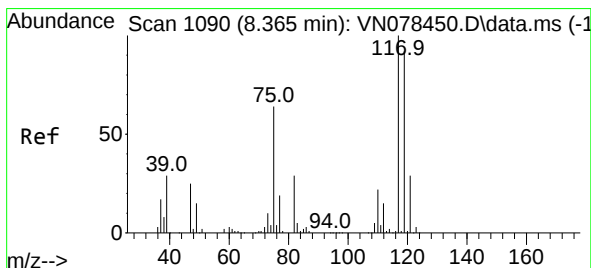
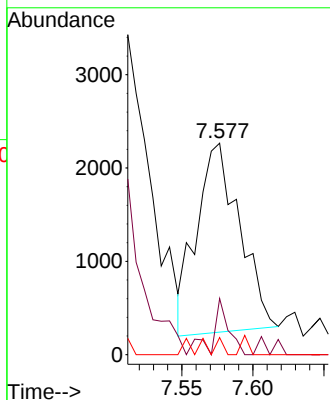
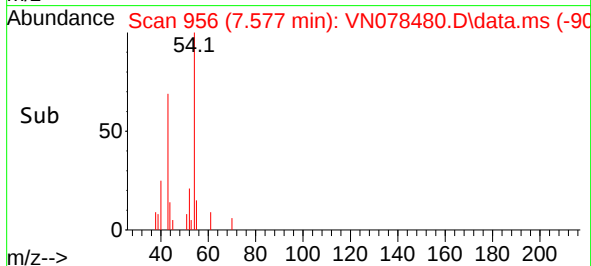
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 428
Ion Ratio Lower Upper
43 100
61 11.1 13.2 19.8#
70 2.9 11.3 16.9#

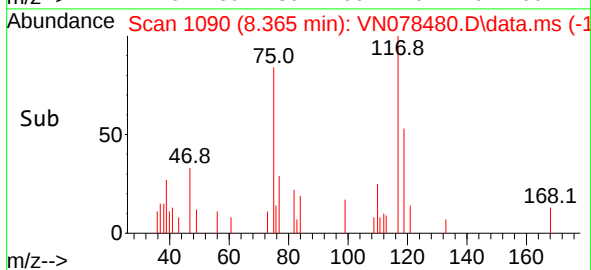
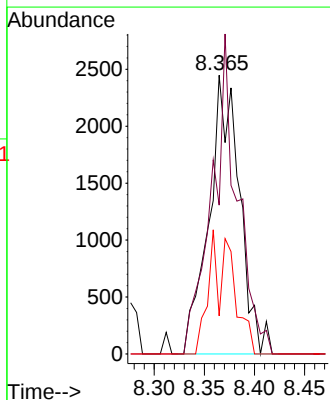
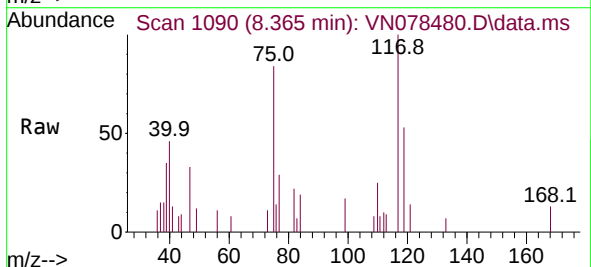
Manual Integrations
APPROVED

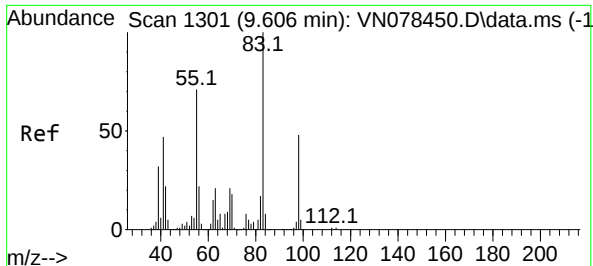
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#38
Carbon Tetrachloride
Concen: 0.658 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion:117 Resp: 5174
Ion Ratio Lower Upper
117 100
119 53.4 77.3 115.9#
121 13.6 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.751 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.006 min

Lab File: VN078480.D

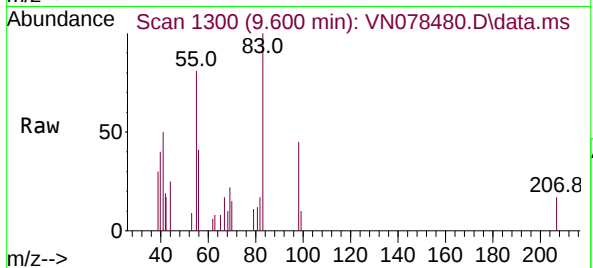
Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

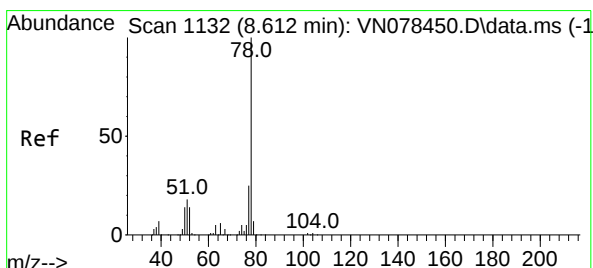
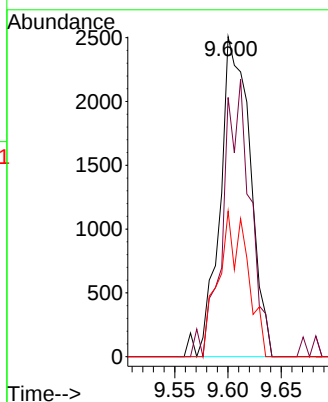
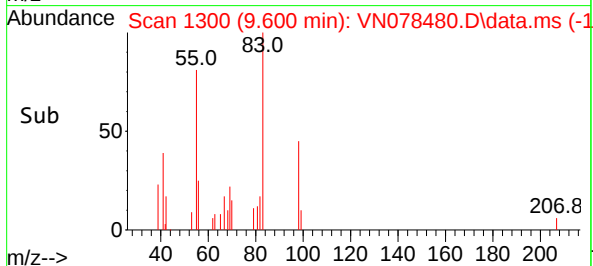


Tgt Ion: 83	Resp: 495
Ion Ratio	Lower Upper
83	100
55	81.0 49.1 73.7
98	45.5 40.6 61.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#40

Benzene

Concen: 0.749 ug/l

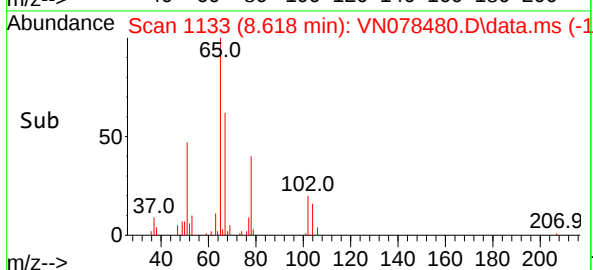
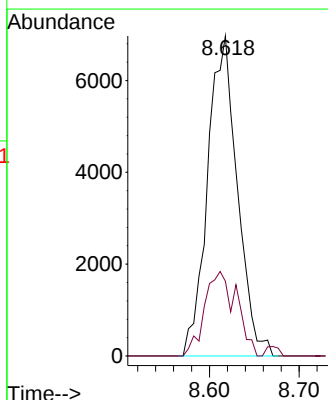
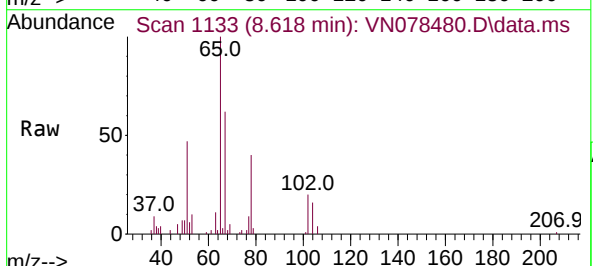
RT: 8.618 min Scan# 1133

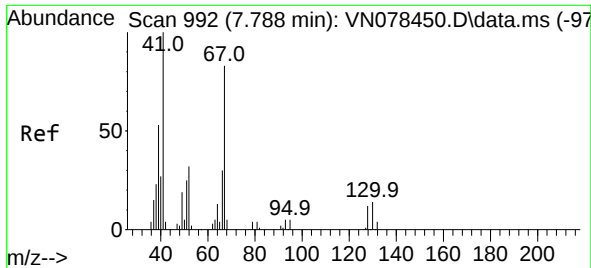
Delta R.T. 0.006 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

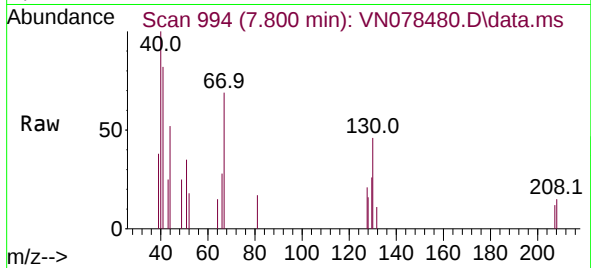
Tgt Ion: 78	Resp: 16051
Ion Ratio	Lower Upper
78	100
77	23.4 19.0 28.6





#41
Methacrylonitrile
Concen: 0.699 ug/l
RT: 7.800 min Scan# 992
Delta R.T. 0.012 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

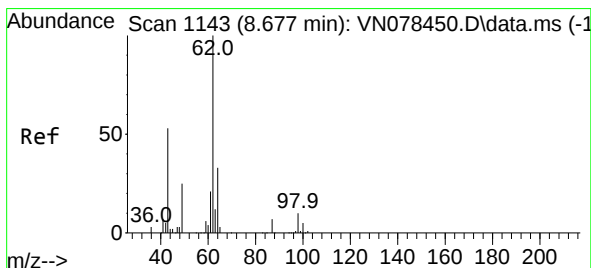
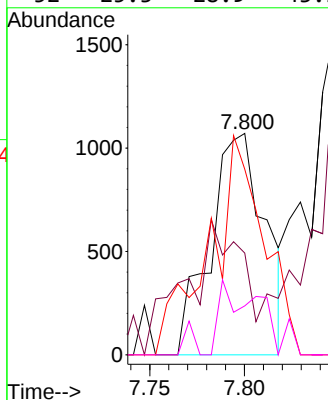
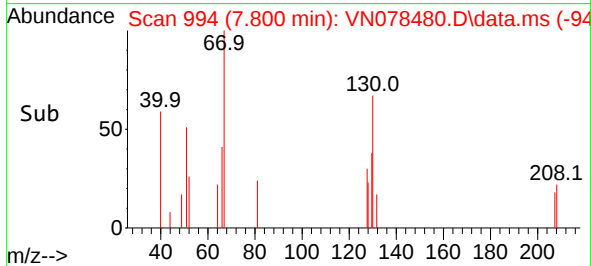
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 41 Resp: 214
Ion Ratio Lower Upper
41 100
39 66.3 42.6 64.0
67 99.3 77.5 116.3
52 25.3 28.9 43.3#

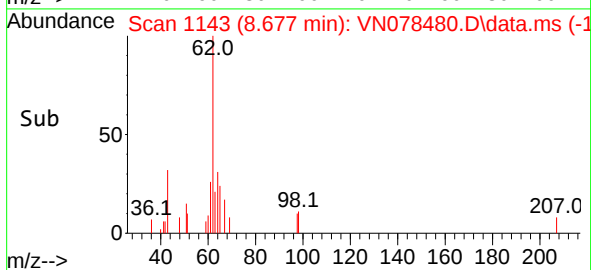
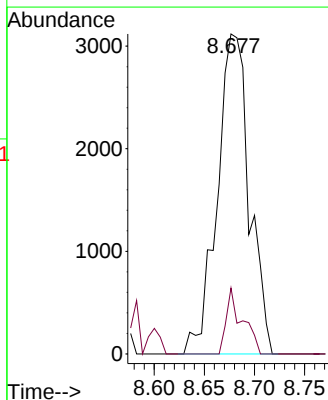
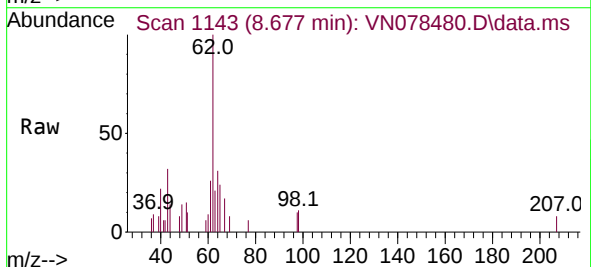
Manual Integrations
APPROVED

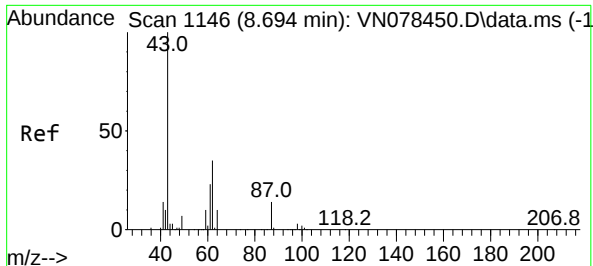
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#42
1,2-Dichloroethane
Concen: 0.953 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

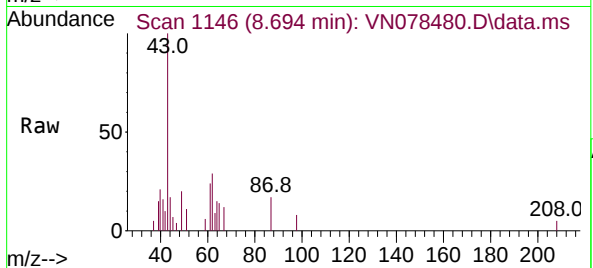
Tgt Ion: 62 Resp: 6940
Ion Ratio Lower Upper
62 100
98 10.3 0.0 19.8





#43
Isopropyl Acetate
Concen: 0.774 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

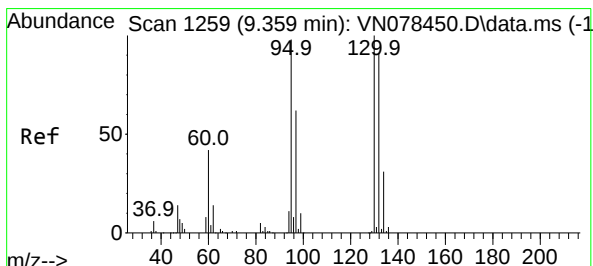
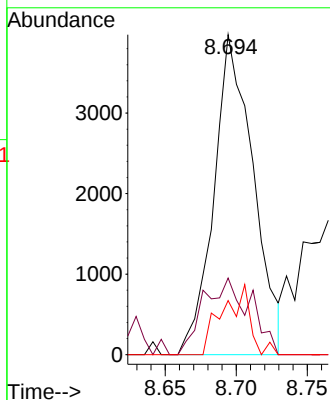
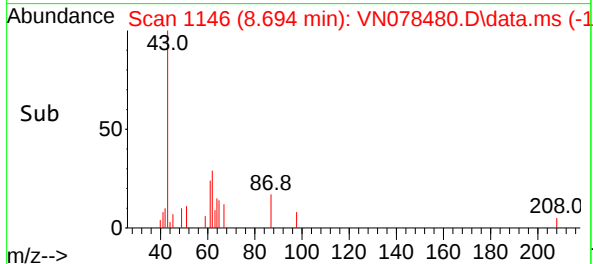
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 7670
Ion Ratio Lower Upper
43 100
61 28.3 24.7 37.1
87 15.5 14.6 21.8

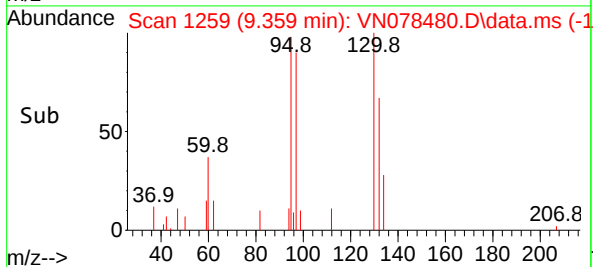
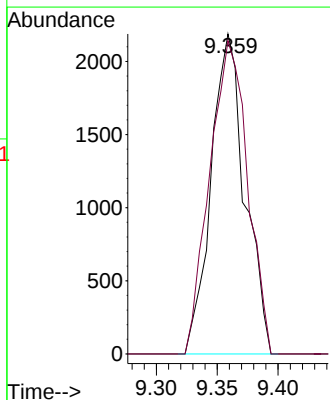
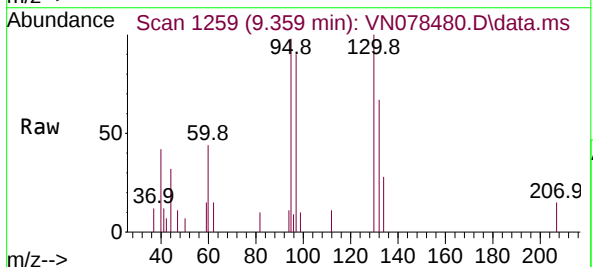
Manual Integrations
APPROVED

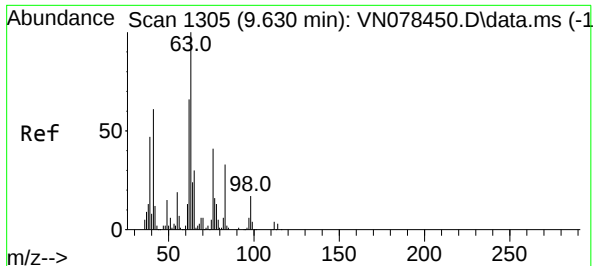
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#44
Trichloroethene
Concen: 0.733 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion:130 Resp: 4234
Ion Ratio Lower Upper
130 100
95 97.9 0.0 204.6





#45

1,2-Dichloropropane

Concen: 0.830 ug/l

RT: 9.635 min Scan# 1305

Delta R.T. 0.005 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 63 Resp: 4500

Ion Ratio Lower Upper

63 100

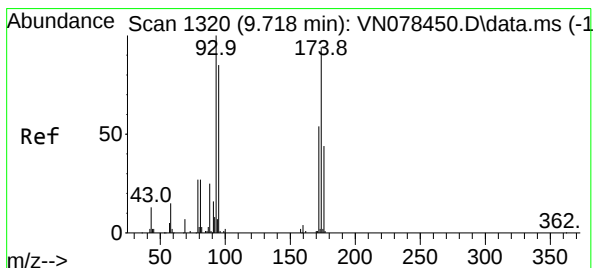
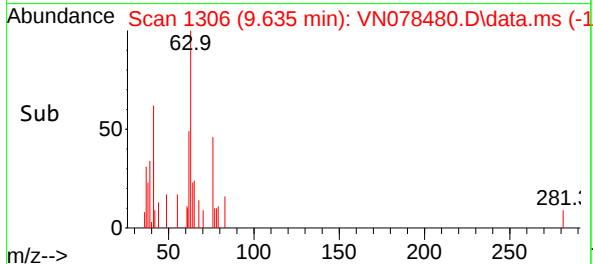
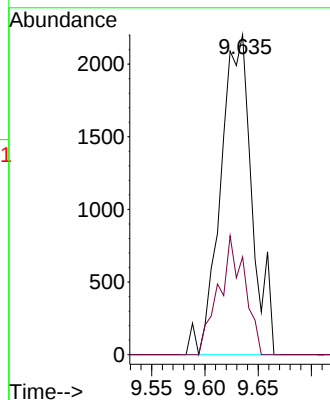
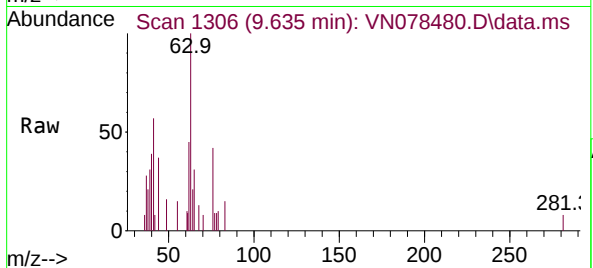
65 30.5 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#46

Dibromomethane

Concen: 0.848 ug/l

RT: 9.724 min Scan# 1321

Delta R.T. 0.006 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

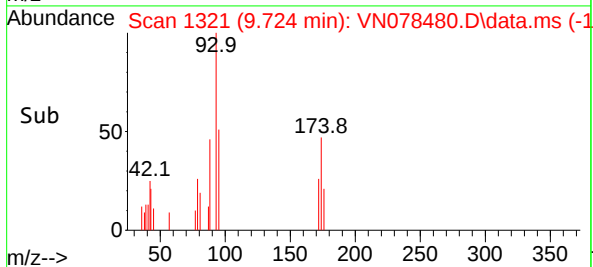
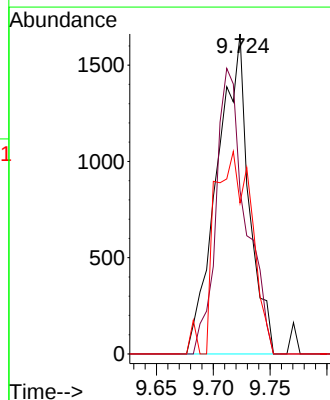
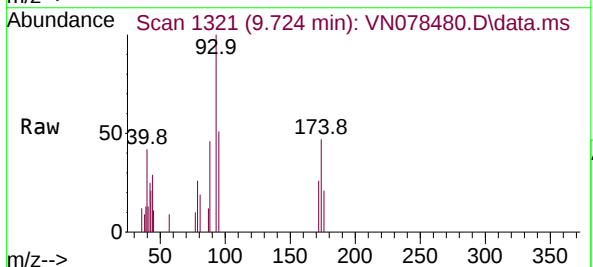
Tgt Ion: 93 Resp: 3239

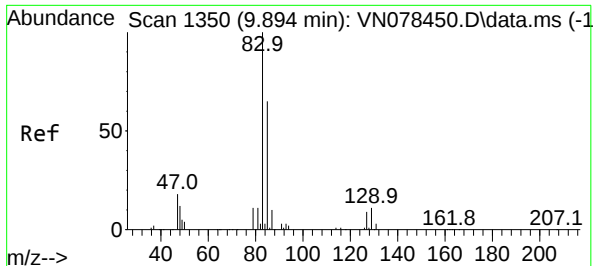
Ion Ratio Lower Upper

93 100

95 82.4 63.8 95.8

174 73.9 65.6 98.4





#47

Bromodichloromethane

Concen: 0.865 ug/l

RT: 9.900 min Scan# 1351

Delta R.T. 0.006 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

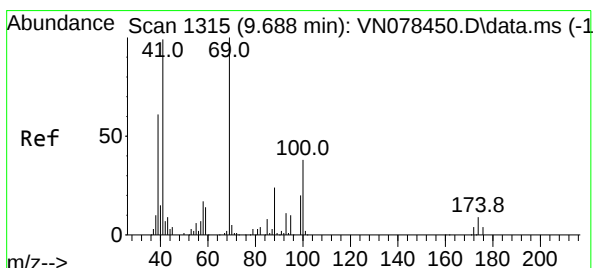
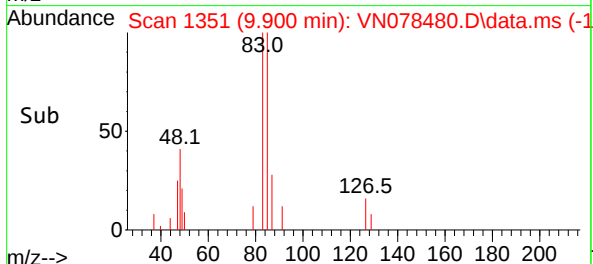
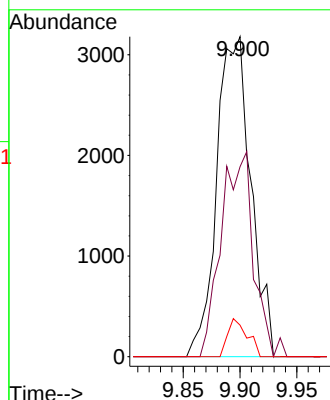
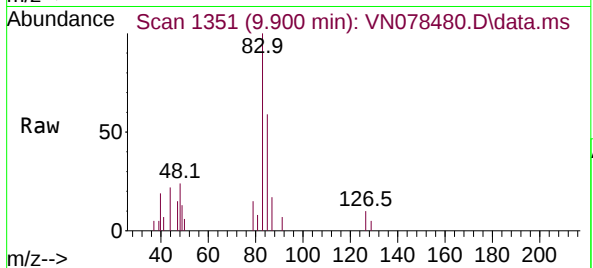
ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:	83	Resp:	661
Ion	Ratio	Lower	Upper
83	100		
85	59.4	49.6	74.4
127	9.8	7.0	10.6

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#48

Methyl methacrylate

Concen: 0.796 ug/l

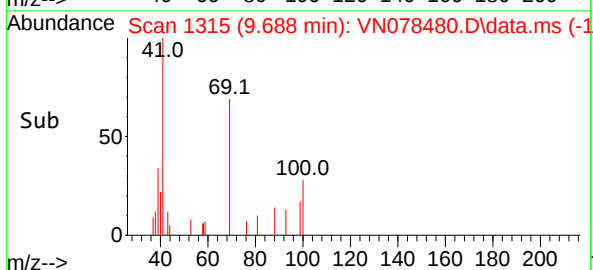
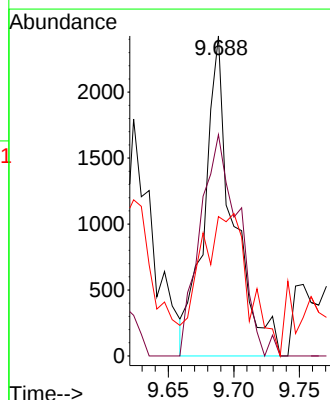
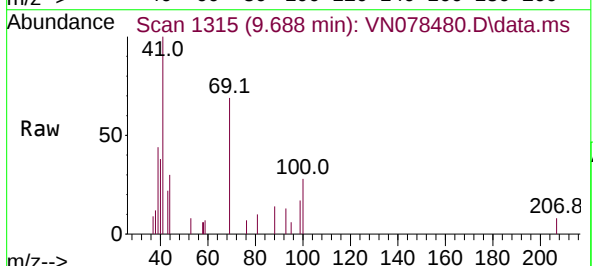
RT: 9.688 min Scan# 1315

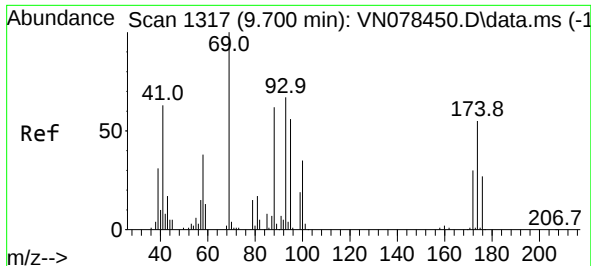
Delta R.T. 0.000 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

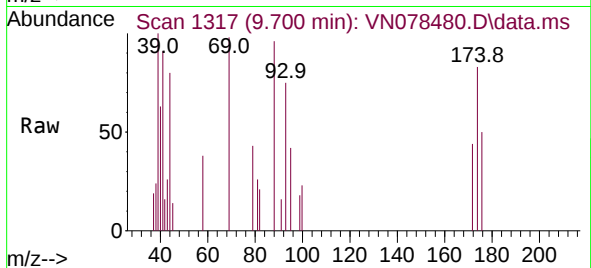
Tgt Ion:	41	Resp:	3657
Ion	Ratio	Lower	Upper
41	100		
69	93.7	90.4	135.6
39	75.1	54.6	81.8





#49
1,4-Dioxane
Concen: 19.511 ug/l
RT: 9.700 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

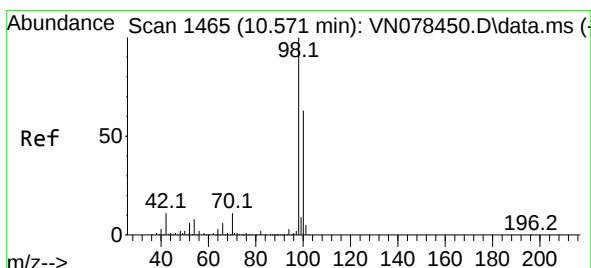
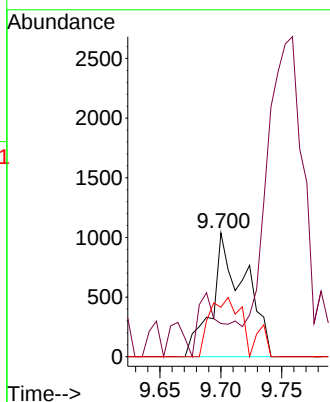
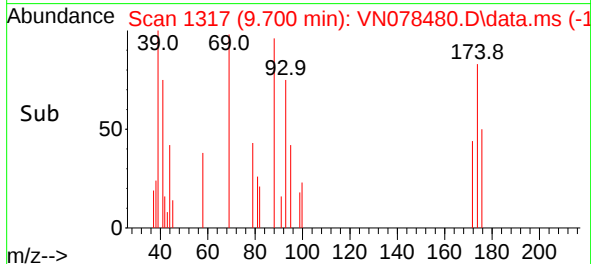
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 88 Resp: 1950
Ion Ratio Lower Upper
88 100
43 33.3 17.0 25.6
58 52.2 47.0 70.4

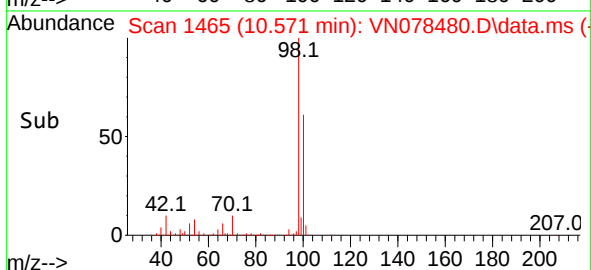
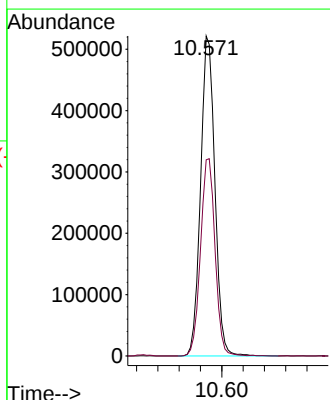
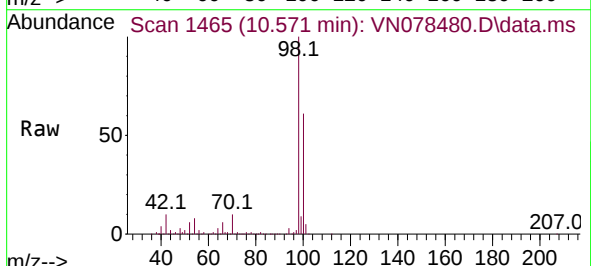
Manual Integrations
APPROVED

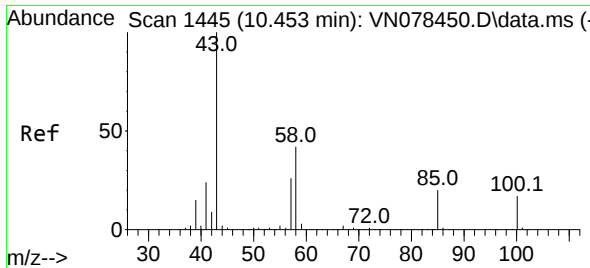
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#50
Toluene-d8
Concen: 51.320 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

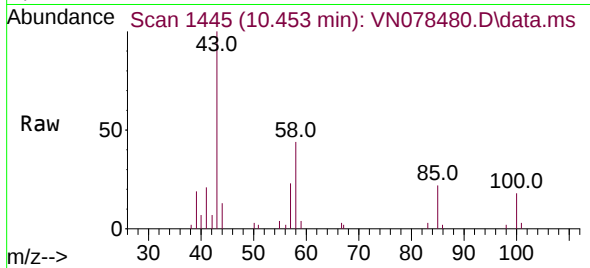
Tgt Ion: 98 Resp: 970719
Ion Ratio Lower Upper
98 100
100 62.7 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 3.357 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

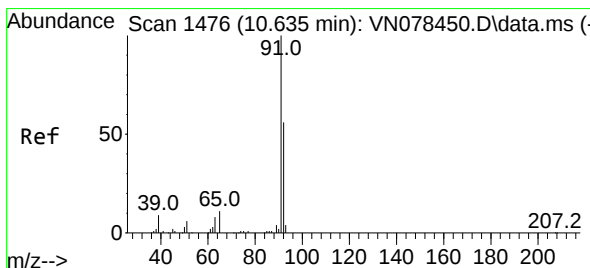
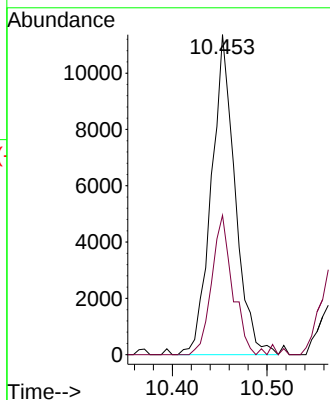
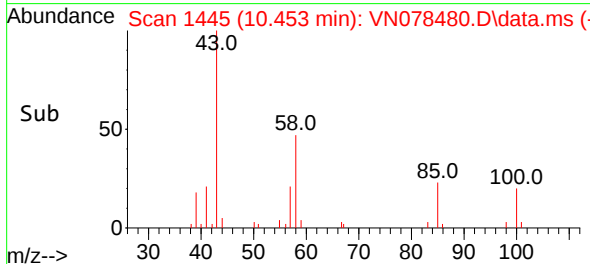
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



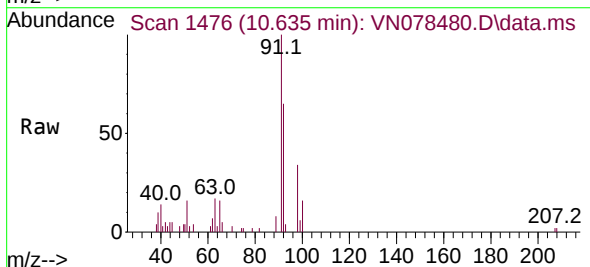
Tgt Ion: 43 Resp: 1981
Ion Ratio Lower Upper
43 100
58 38.1 36.6 54.8

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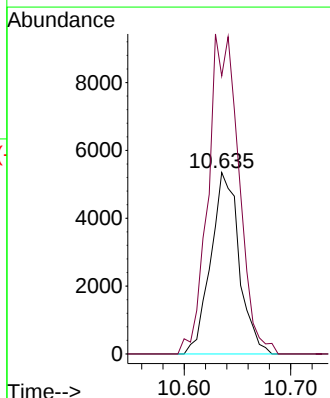
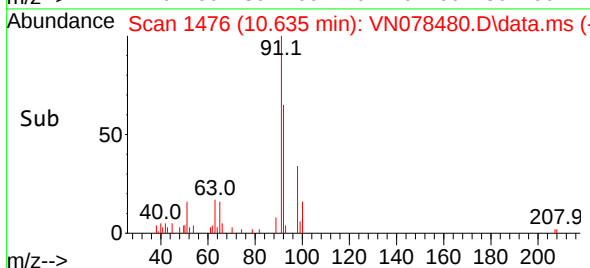
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

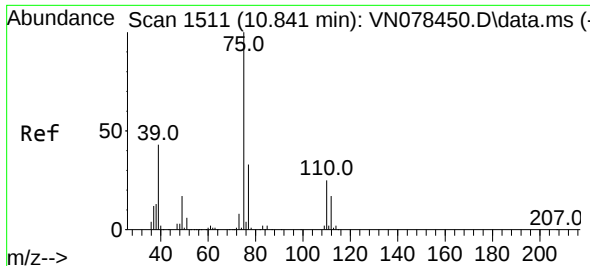


#52
Toluene
Concen: 0.744 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53



Tgt Ion: 92 Resp: 9881
Ion Ratio Lower Upper
92 100
91 191.3 137.4 206.0





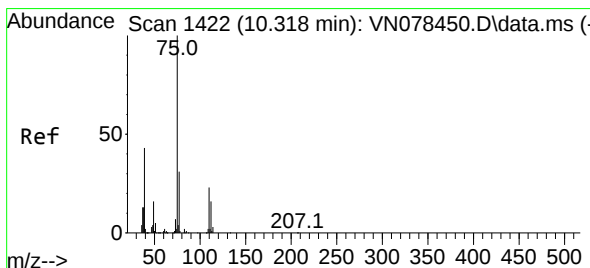
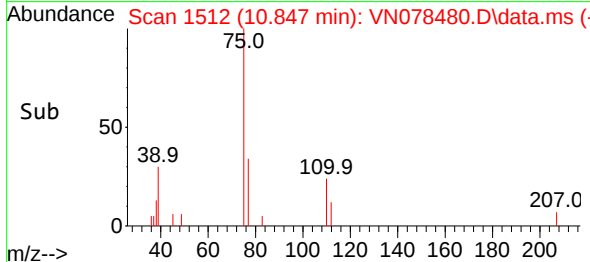
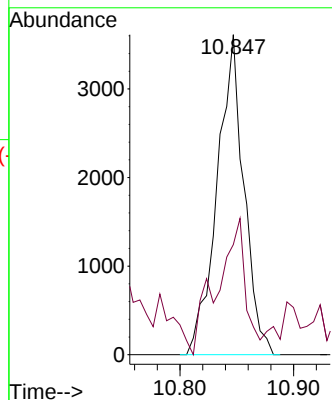
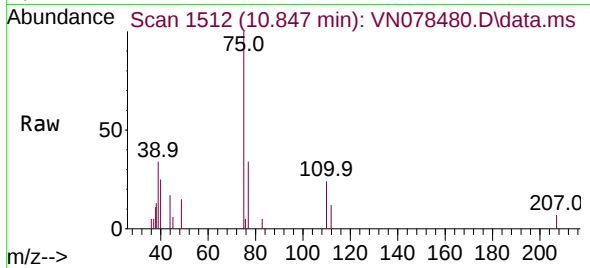
#53
t-1,3-Dichloropropene
Concen: 0.755 ug/l
RT: 10.847 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 75 Resp: 591
Ion Ratio Lower Upper
75 100
77 29.6 25.4 38.0

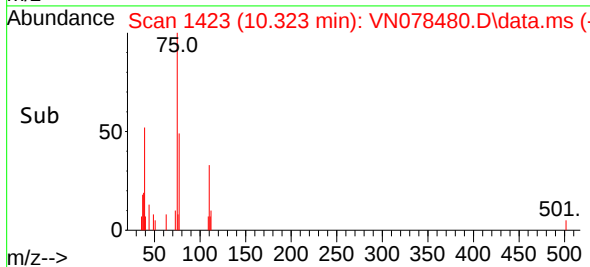
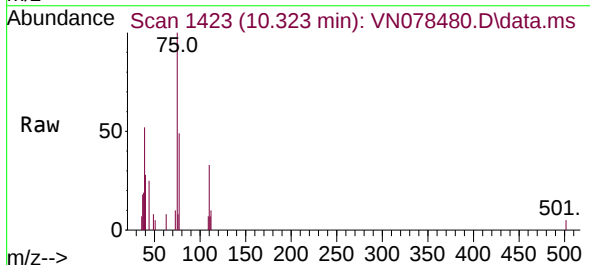
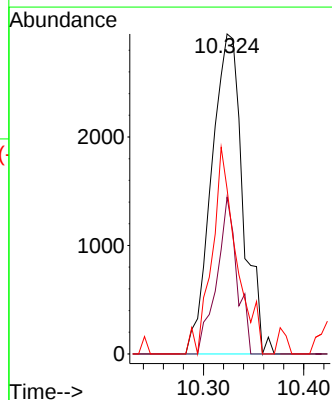
Manual Integrations
APPROVED

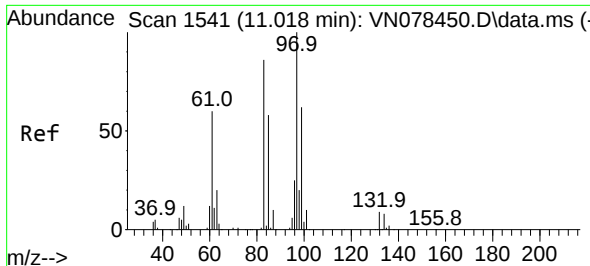
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#54
cis-1,3-Dichloropropene
Concen: 0.768 ug/l
RT: 10.323 min Scan# 1423
Delta R.T. 0.005 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

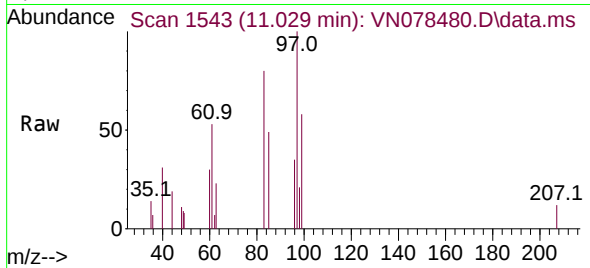
Tgt Ion: 75 Resp: 6415
Ion Ratio Lower Upper
75 100
77 49.0 26.1 39.1#
39 51.6 31.6 47.4#





#55
1,1,2-Trichloroethane
Concen: 0.818 ug/l
RT: 11.029 min Scan# 1543
Delta R.T. 0.011 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

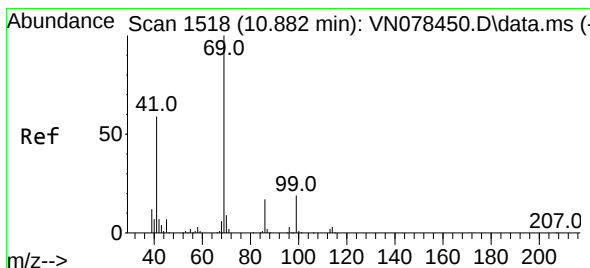
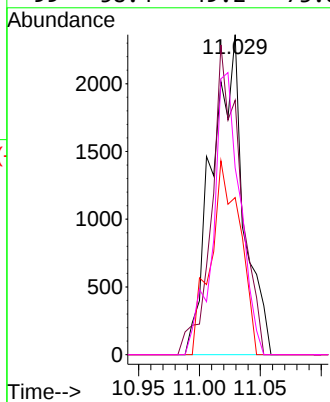
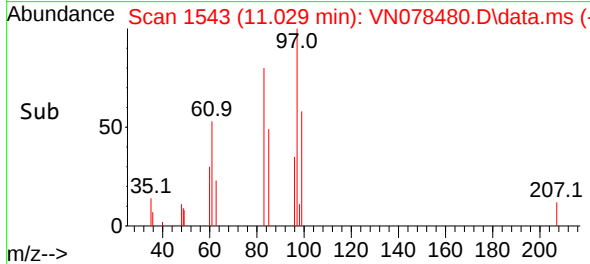
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.5	65.1	97.7
85	49.1	43.4	65.2
99	58.4	49.2	73.8

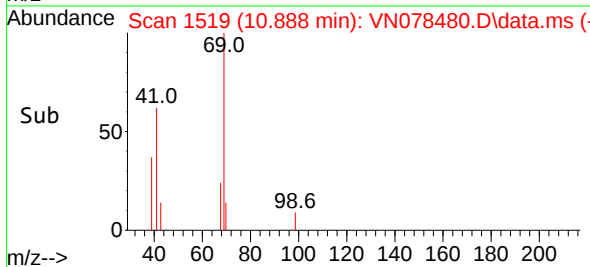
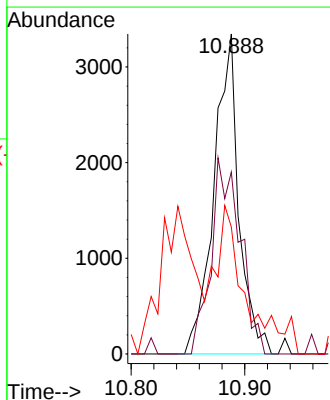
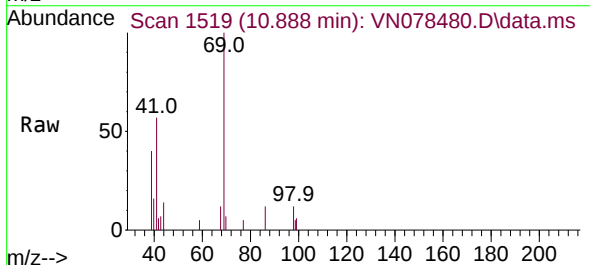
Manual Integrations
APPROVED

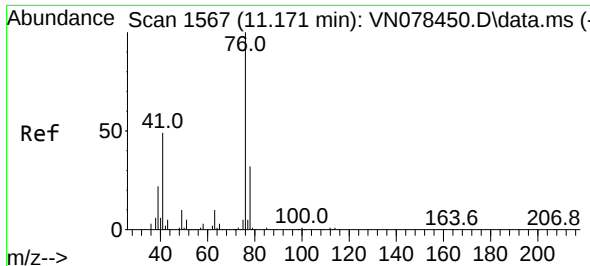
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#56
Ethyl methacrylate
Concen: 0.700 ug/l
RT: 10.888 min Scan# 1519
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.2	39.6	59.4#
39	56.5	28.6	43.0#





#57

1,3-Dichloropropane

Concen: 0.700 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 76 Resp: 6220

Ion Ratio Lower Upper

76 100

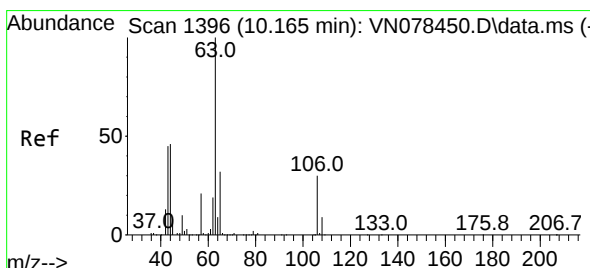
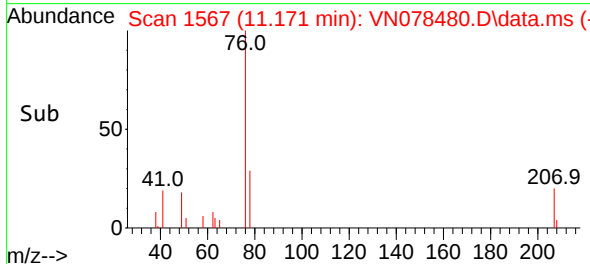
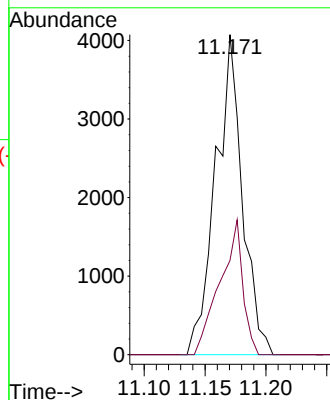
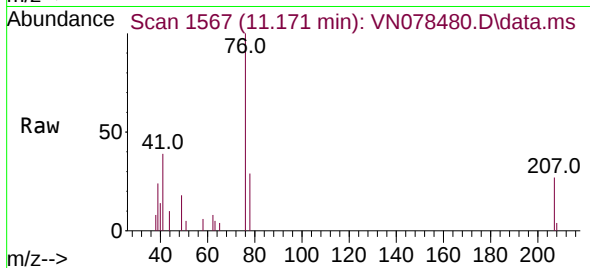
78 36.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#58

2-Chloroethyl Vinyl ether

Concen: 2.845 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. -0.000 min

Lab File: VN078480.D

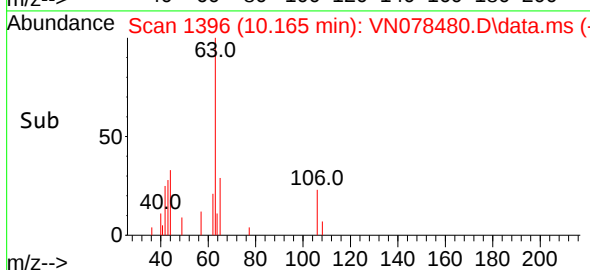
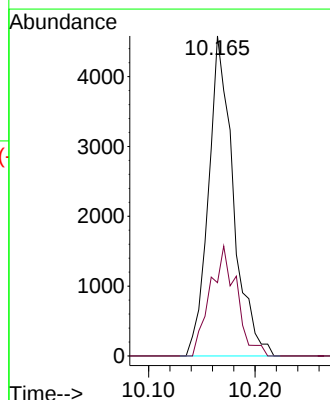
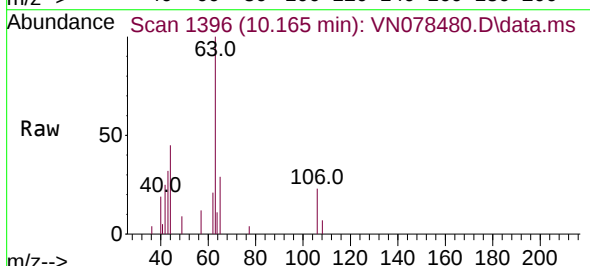
Acq: 12 Jul 2023 14:53

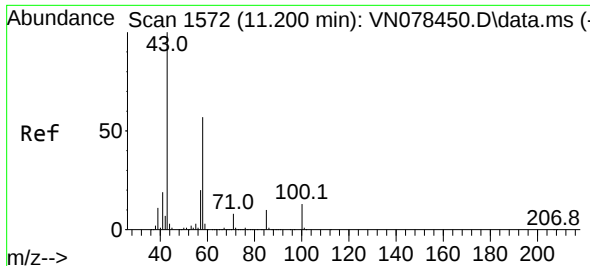
Tgt Ion: 63 Resp: 7413

Ion Ratio Lower Upper

63 100

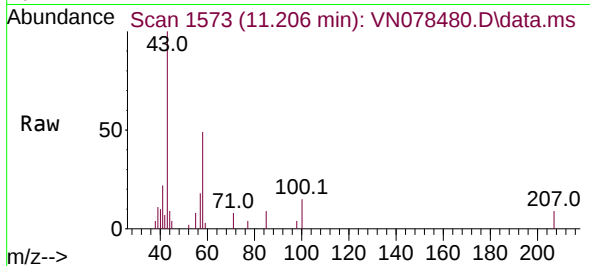
106 36.8 26.2 39.4





#59
2-Hexanone
Concen: 3.490 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

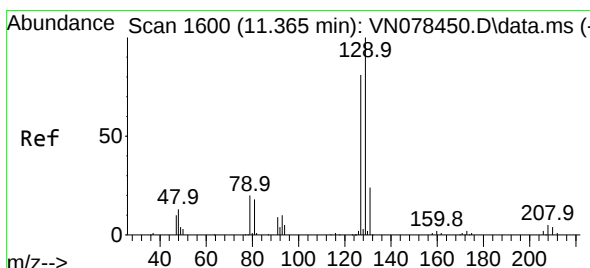
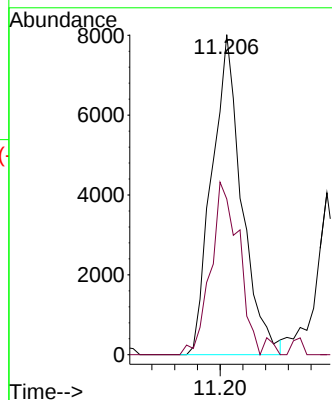
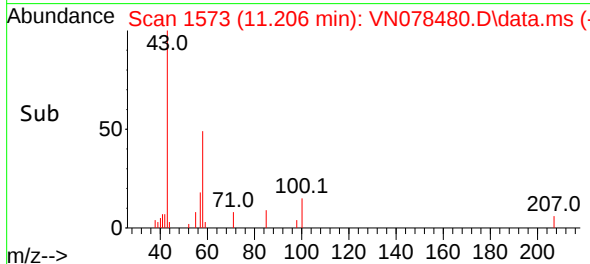
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
58 50.7 31.7 95.1

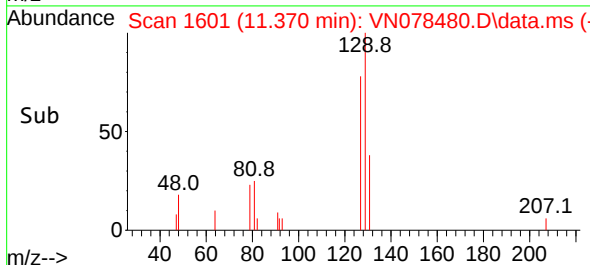
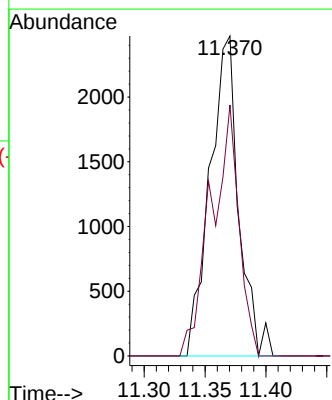
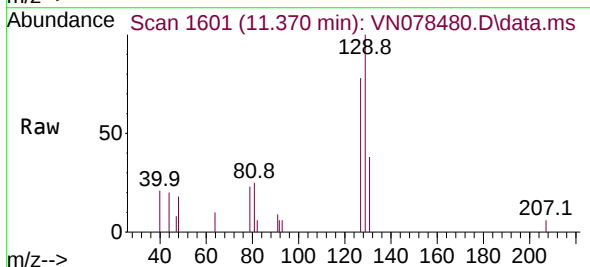
Manual Integrations
APPROVED

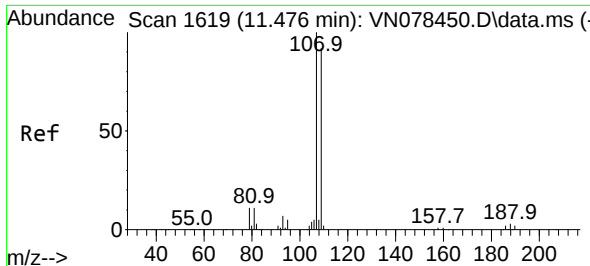
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#60
Dibromochloromethane
Concen: 0.706 ug/l
RT: 11.370 min Scan# 1601
Delta R.T. 0.005 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

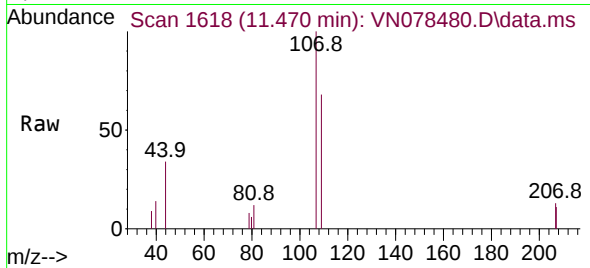
Tgt Ion:129 Resp: 4074
Ion Ratio Lower Upper
129 100
127 76.2 38.6 116.0





#61
1,2-Dibromoethane
Concen: 0.779 ug/l
RT: 11.470 min Scan# 1619
Delta R.T. -0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

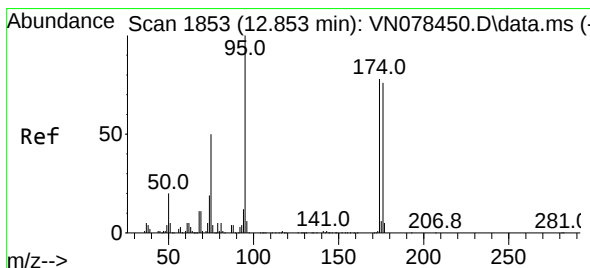
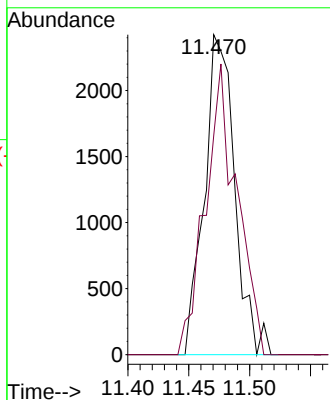
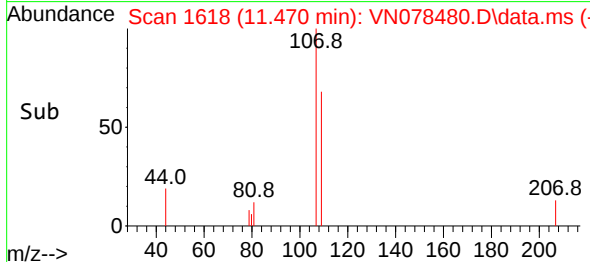
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



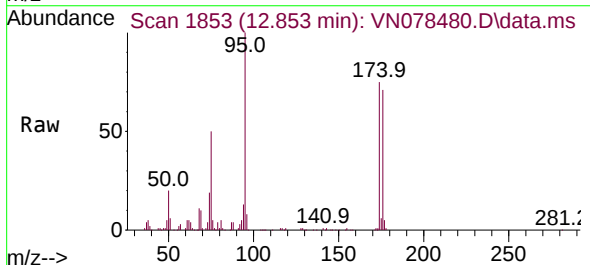
Tgt Ion:107 Resp: 4190
Ion Ratio Lower Upper
107 100
109 94.5 76.6 114.8

Manual Integrations
APPROVED

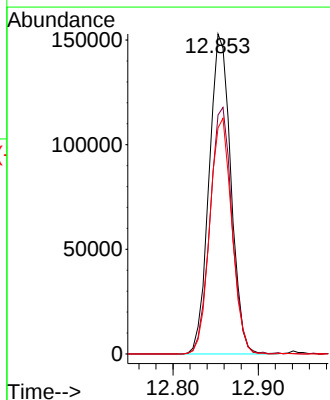
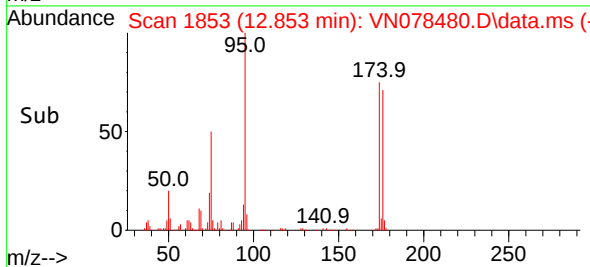
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

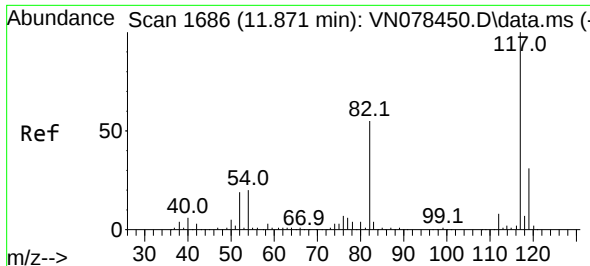


#62
4-Bromofluorobenzene
Concen: 46.557 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53



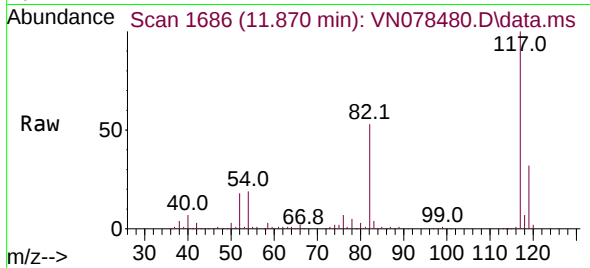
Tgt Ion: 95 Resp: 271251
Ion Ratio Lower Upper
95 100
174 77.8 0.0 143.8
176 74.2 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1177
Delta R.T. -0.001 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

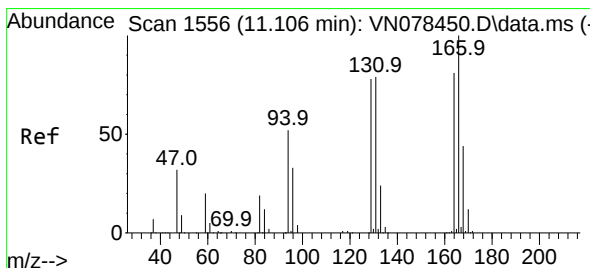
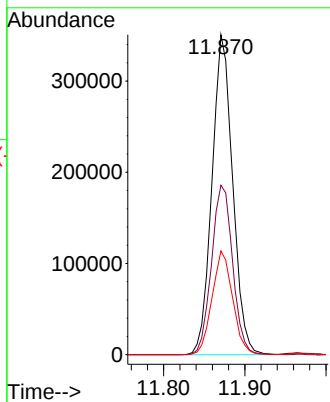
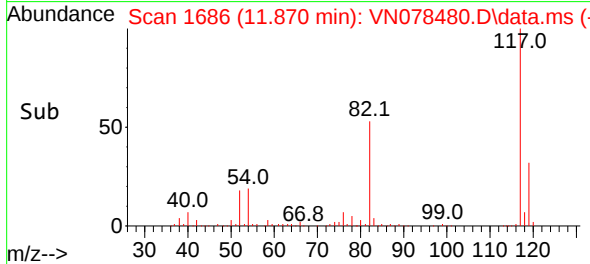
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:117 Resp: 621572
Ion Ratio Lower Upper
117 100
82 52.9 44.0 66.0
119 32.4 25.6 38.4

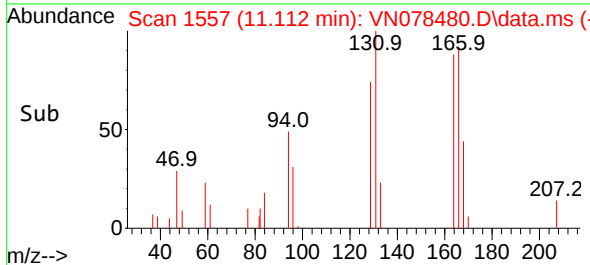
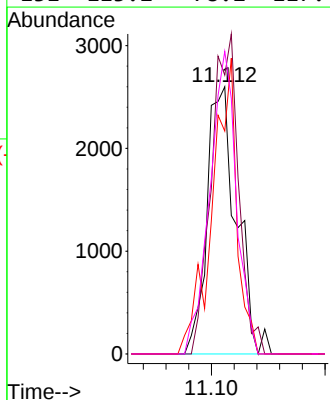
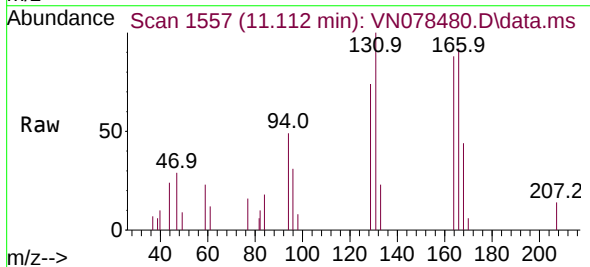
Manual Integrations
APPROVED

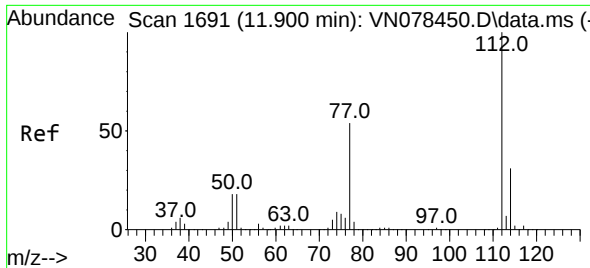
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#64
Tetrachloroethene
Concen: 1.000 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

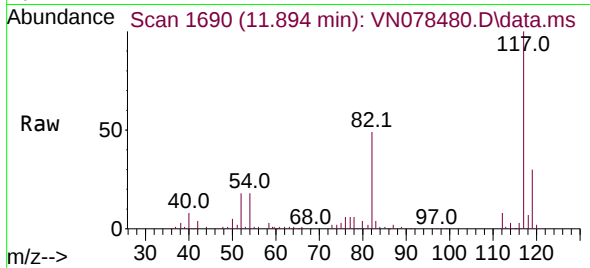
Tgt Ion:164 Resp: 4673
Ion Ratio Lower Upper
164 100
166 104.3 101.4 152.0
129 83.4 82.4 123.6
131 113.2 78.2 117.4





#65
Chlorobenzene
Concen: 0.711 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

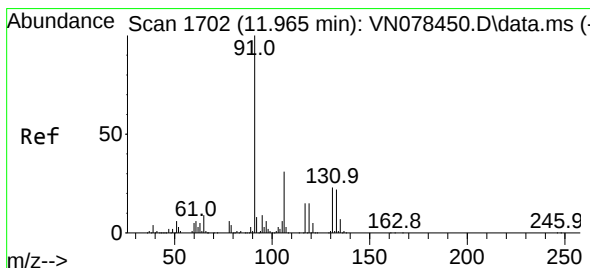
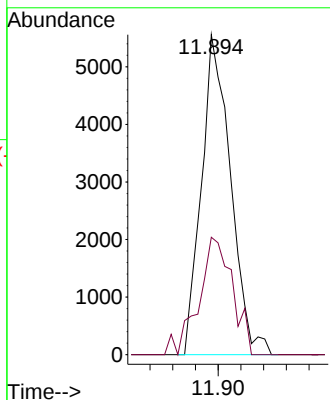
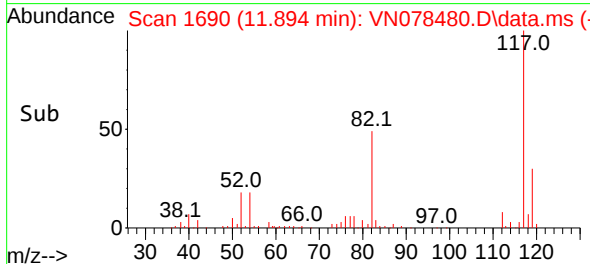
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:112 Resp: 988
Ion Ratio Lower Upper
112 100
114 36.7 25.0 37.4

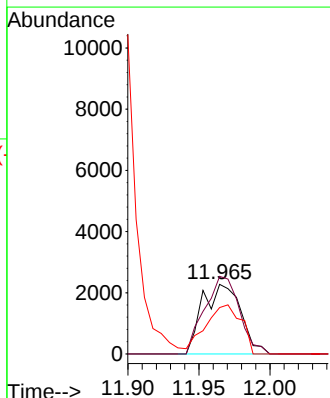
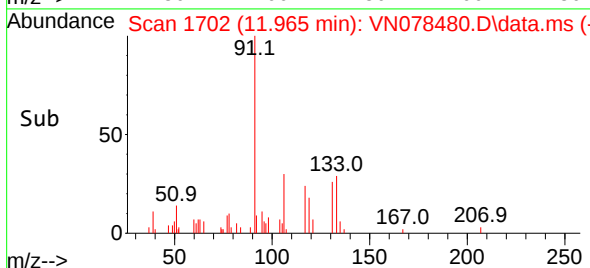
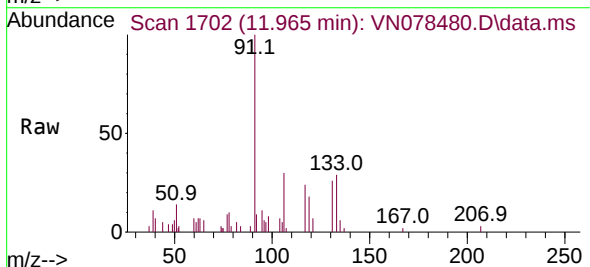
Manual Integrations
APPROVED

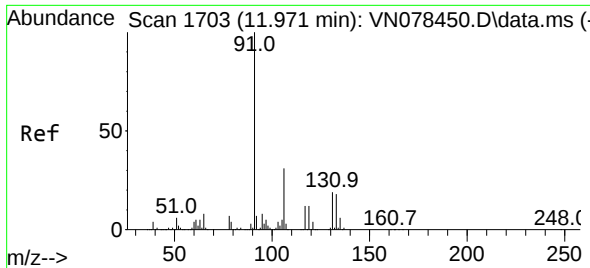
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 0.799 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

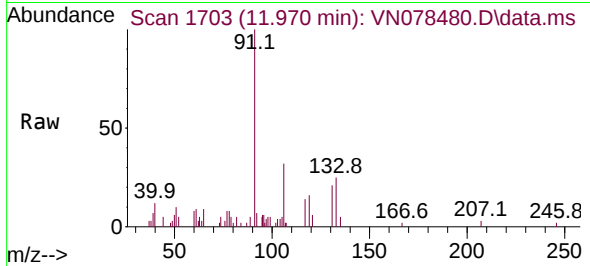
Tgt Ion:131 Resp: 4269
Ion Ratio Lower Upper
131 100
133 101.3 46.4 139.1
119 0.0 34.1 102.2#





#67
Ethyl Benzene
Concen: 0.727 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

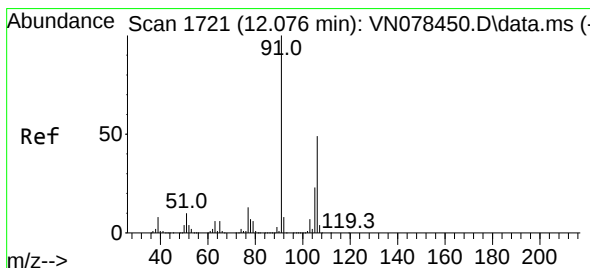
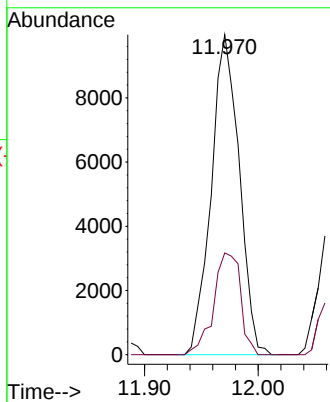
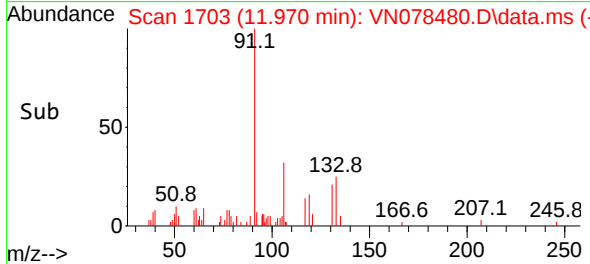
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



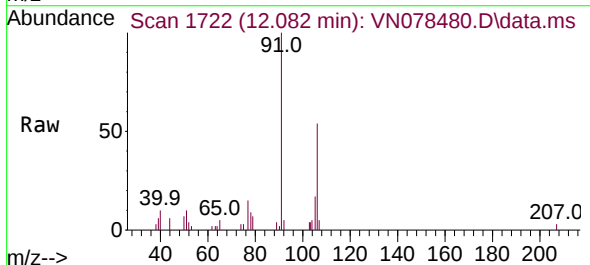
Tgt Ion: 91 Resp: 17078
Ion Ratio Lower Upper
91 100
106 31.8 25.6 38.4

Manual Integrations
APPROVED

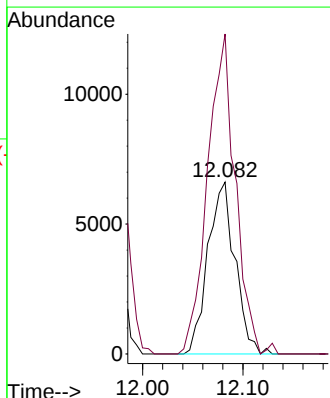
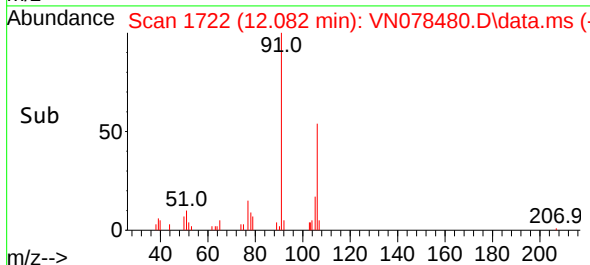
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

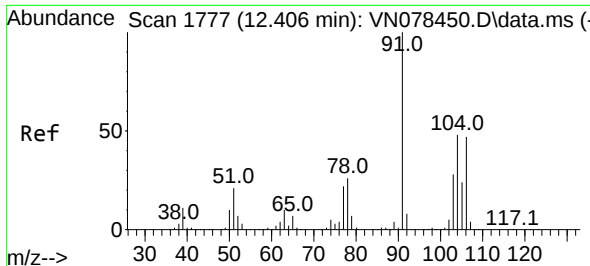


#68
m/p-Xylenes
Concen: 1.435 ug/l
RT: 12.082 min Scan# 1722
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53



Tgt Ion:106 Resp: 12458
Ion Ratio Lower Upper
106 100
91 189.7 159.6 239.4





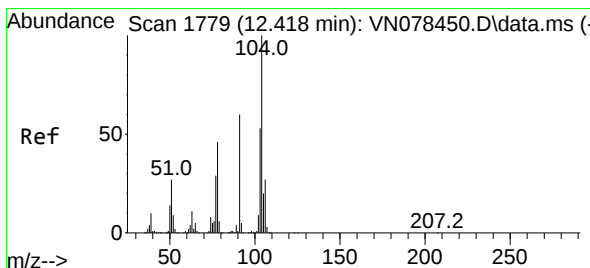
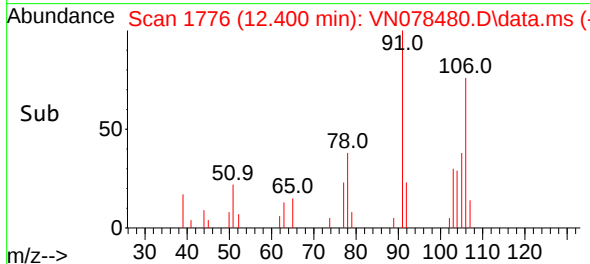
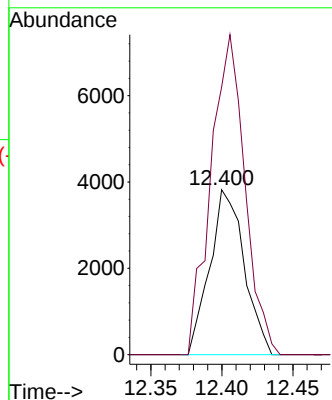
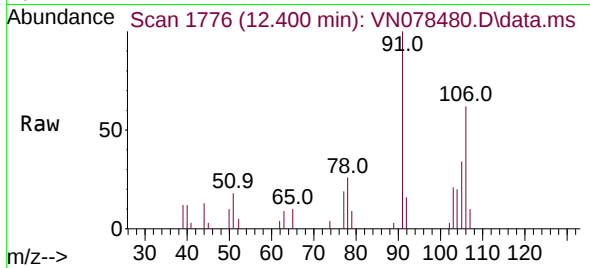
#69
o-Xylene
Concen: 0.734 ug/l
RT: 12.400 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:106 Resp: 644
Ion Ratio Lower Upper
106 100
91 192.1 105.2 315.5

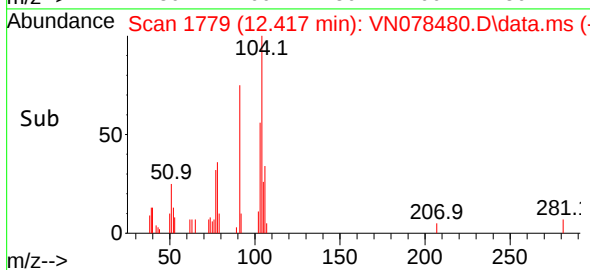
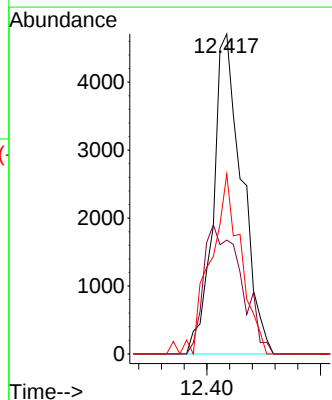
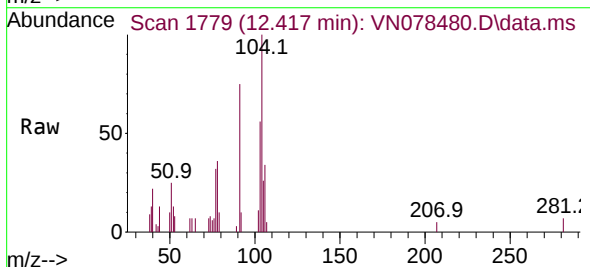
Manual Integrations
APPROVED

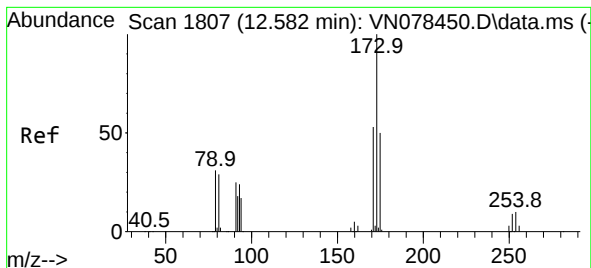
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#70
Styrene
Concen: 0.601 ug/l
RT: 12.417 min Scan# 1779
Delta R.T. -0.001 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion:104 Resp: 8244
Ion Ratio Lower Upper
104 100
78 52.5 39.5 59.3
103 58.8 43.2 64.8





#71

Bromoform

Concen: 0.626 ug/l

RT: 12.588 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

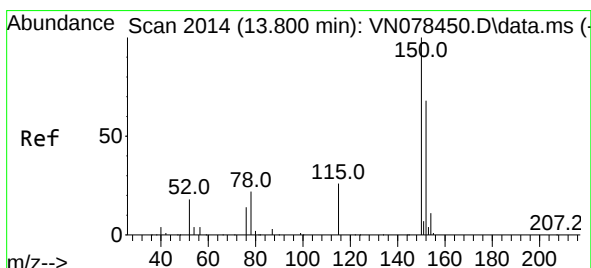
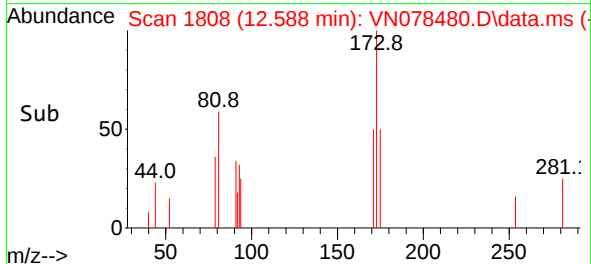
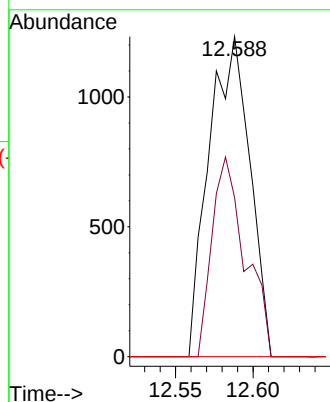
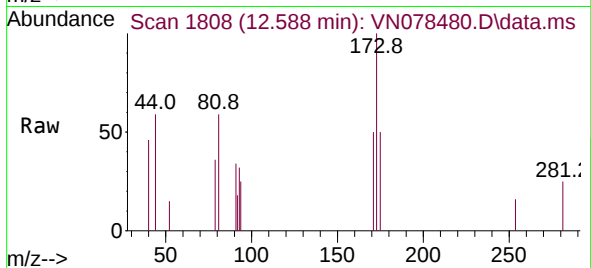
Tgt Ion:	173	Resp:	226
Ion Ratio	Lower	Upper	
173	100		
175	50.8	24.3	73.0
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

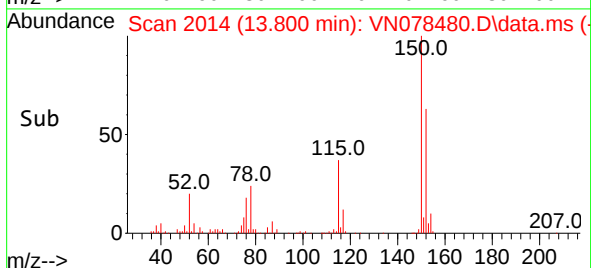
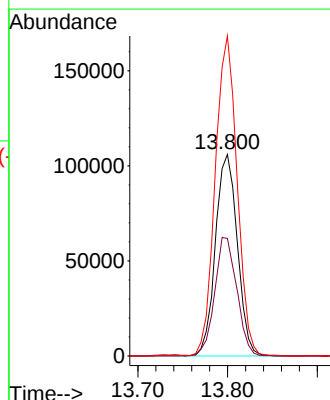
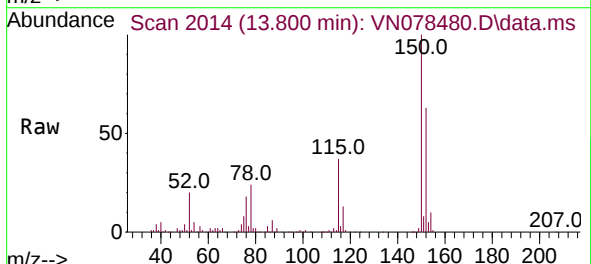
RT: 13.800 min Scan# 2014

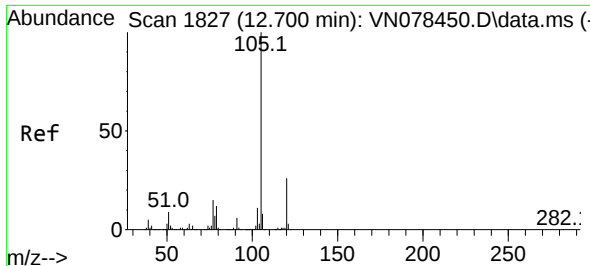
Delta R.T. -0.000 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

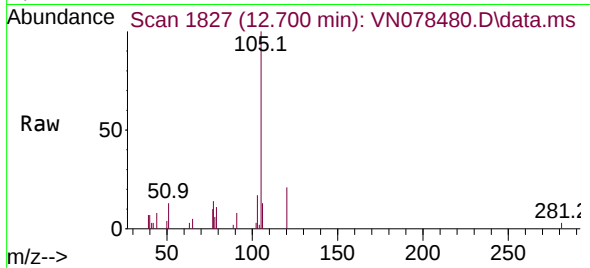
Tgt Ion:	152	Resp:	179905
Ion Ratio	Lower	Upper	
152	100		
115	59.3	32.3	96.8
150	158.6	0.0	355.8





#73
Isopropylbenzene
Concen: 0.874 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

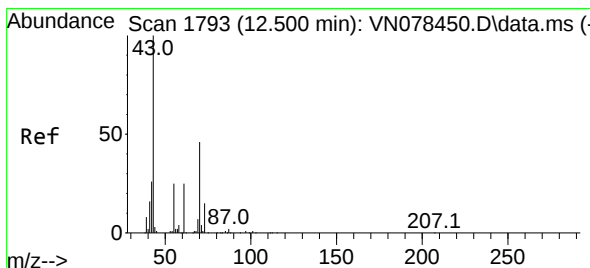
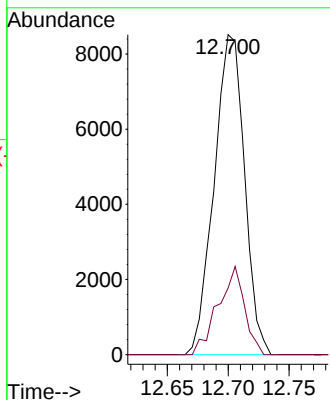
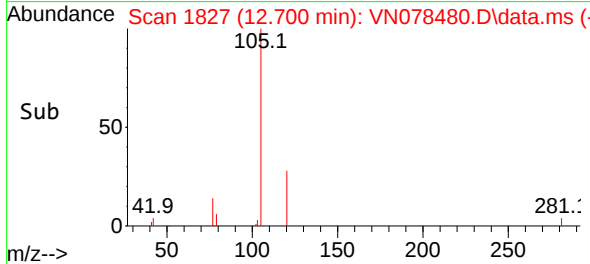
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:105 Resp: 1478
Ion Ratio Lower Upper
105 100
120 24.0 13.1 39.1

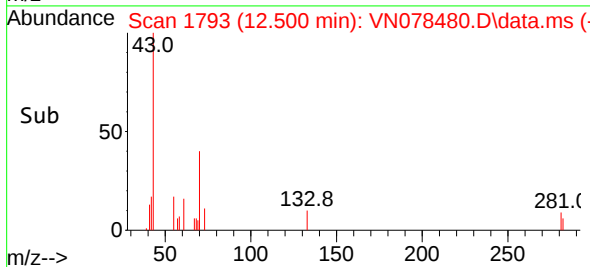
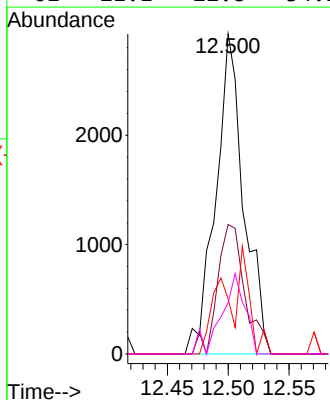
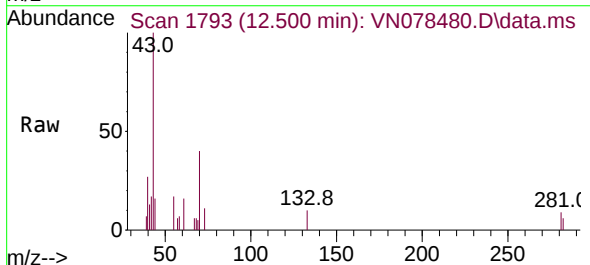
Manual Integrations
APPROVED

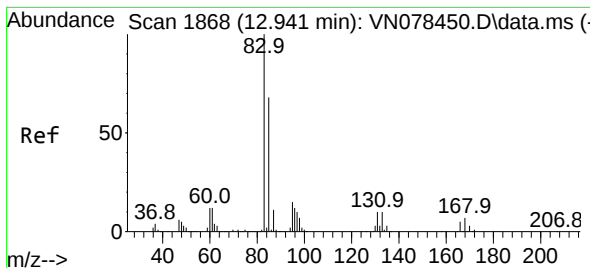
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#74
N-ethyl acetate
Concen: 0.807 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion: 43 Resp: 4703
Ion Ratio Lower Upper
43 100
70 39.5 43.4 65.2#
55 13.0 21.4 32.0#
61 21.1 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.994 ug/l

RT: 12.935 min Scan# 1867

Delta R.T. -0.006 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

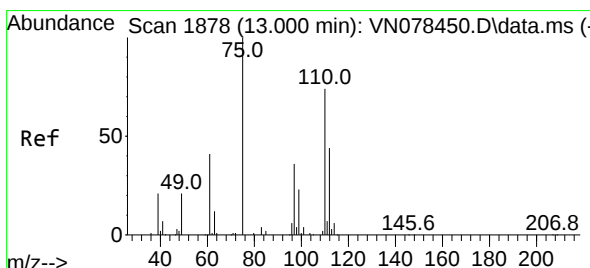
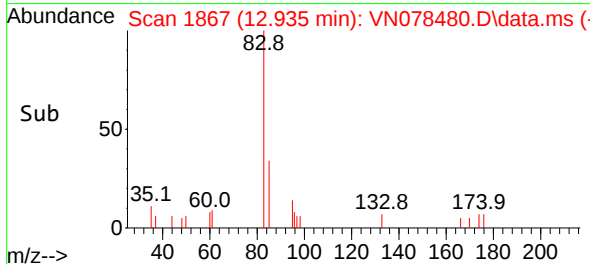
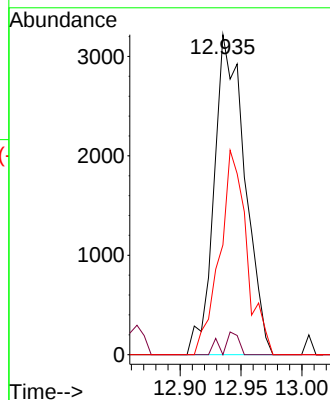
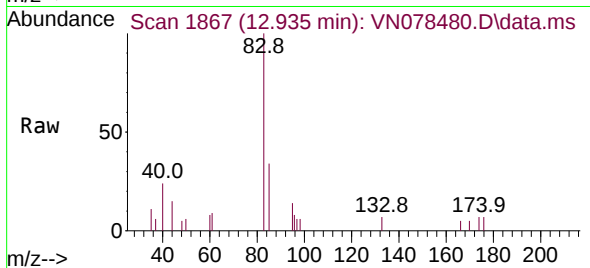
Tgt Ion: 83	Resp: 5674
Ion Ratio	Lower Upper
83 100	
131 3.6	5.0 15.0
85 56.1	31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#76

1,2,3-Trichloropropane

Concen: 1.117 ug/l m

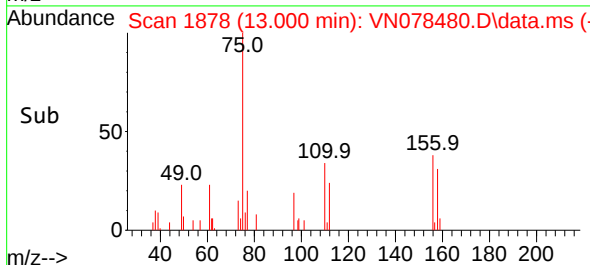
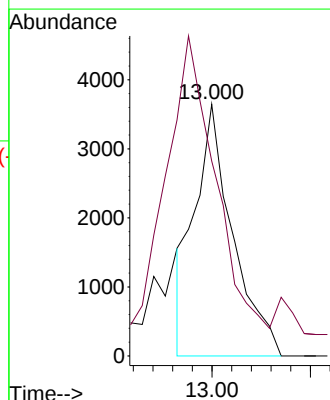
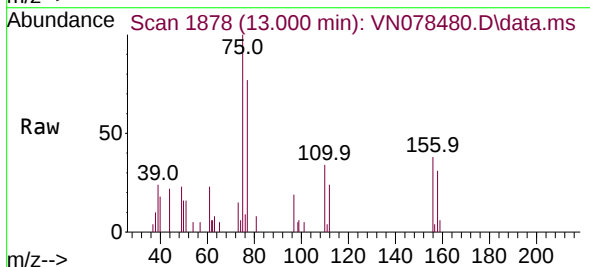
RT: 13.000 min Scan# 1878

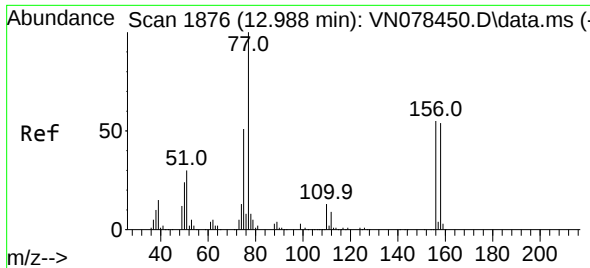
Delta R.T. -0.000 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Tgt Ion: 75	Resp: 4856
Ion Ratio	Lower Upper
75 100	
77 182.2	84.5 253.5





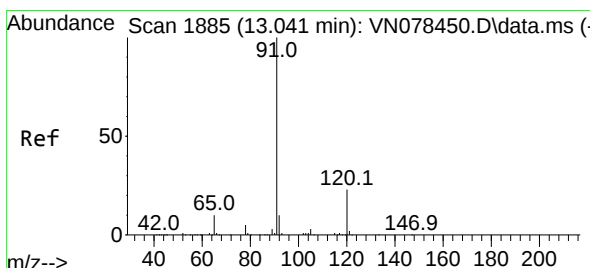
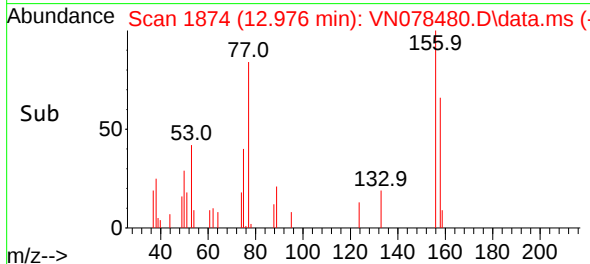
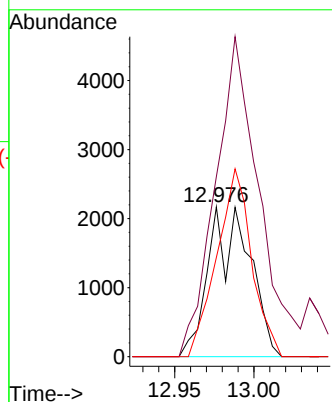
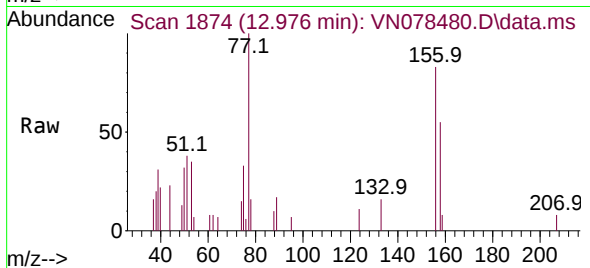
#77
Bromobenzene
Concen: 0.937 ug/l m
RT: 12.976 min Scan# 1876
Delta R.T. -0.012 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:156 Resp: 389
Ion Ratio Lower Upper
156 100
77 227.4 107.7 323.3
158 106.6 48.4 145.3

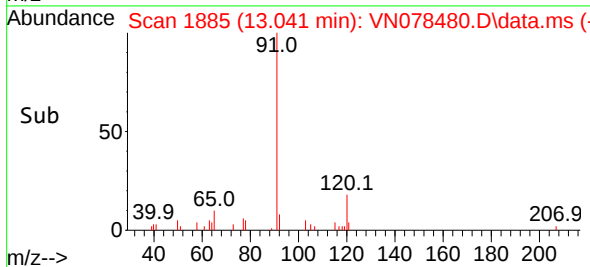
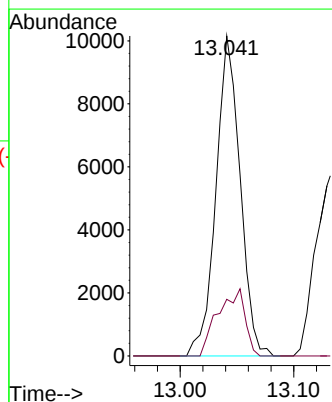
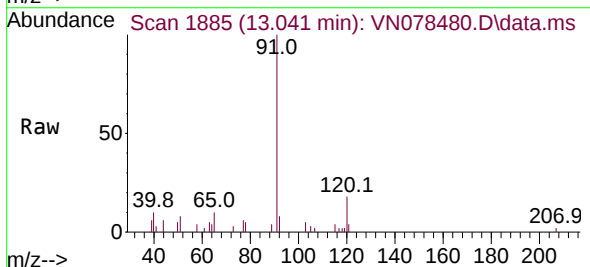
Manual Integrations
APPROVED

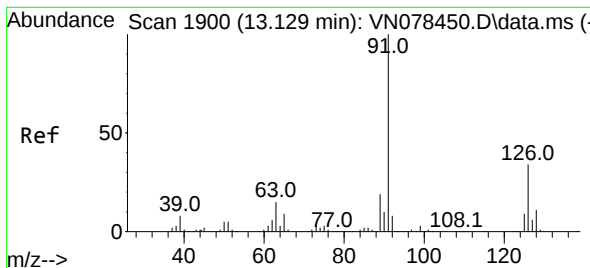
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#78
n-propylbenzene
Concen: 0.829 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion: 91 Resp: 14993
Ion Ratio Lower Upper
91 100
120 23.5 11.5 34.4





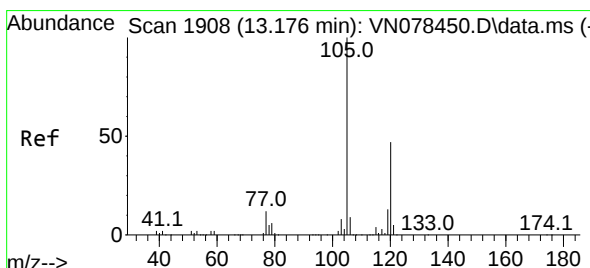
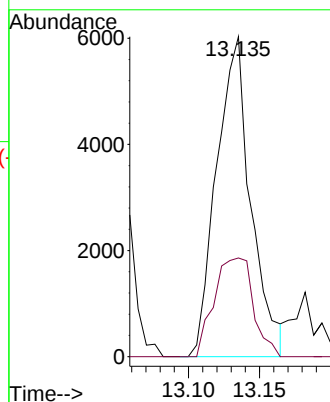
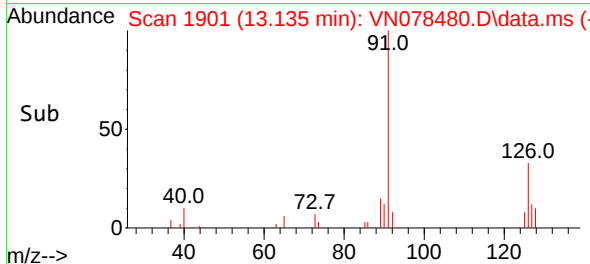
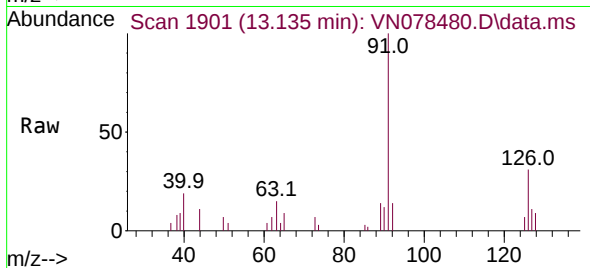
#79
2-Chlorotoluene
Concen: 0.853 ug/l
RT: 13.135 min Scan# 1901
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 1009
Ion Ratio Lower Upper
91 100
126 35.3 16.3 48.8

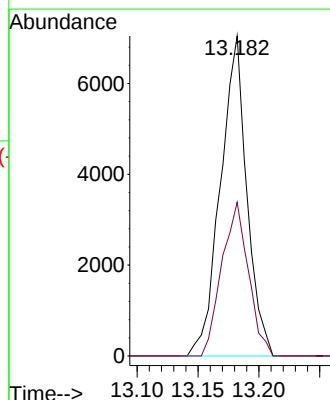
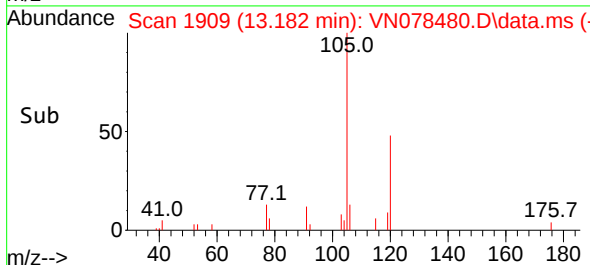
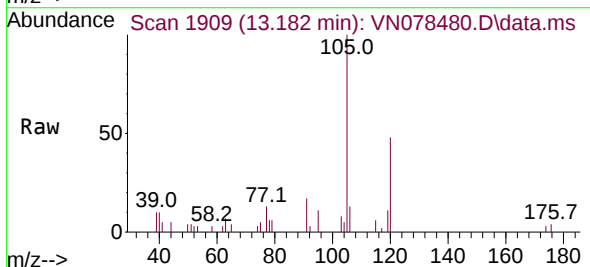
Manual Integrations
APPROVED

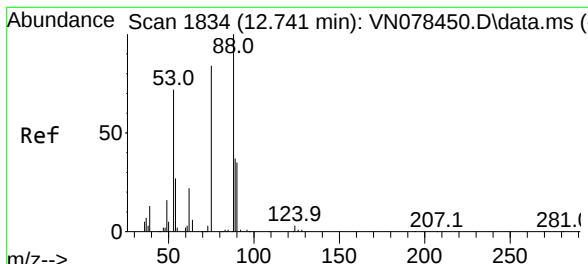
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#80
1,3,5-Trimethylbenzene
Concen: 0.795 ug/l
RT: 13.182 min Scan# 1909
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion:105 Resp: 10614
Ion Ratio Lower Upper
105 100
120 48.6 24.1 72.3





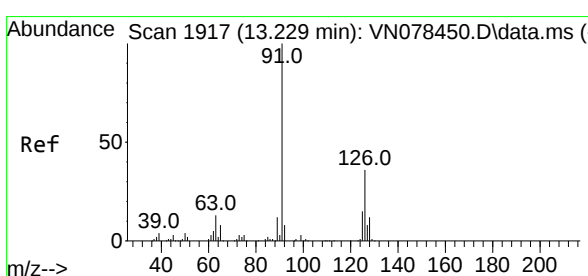
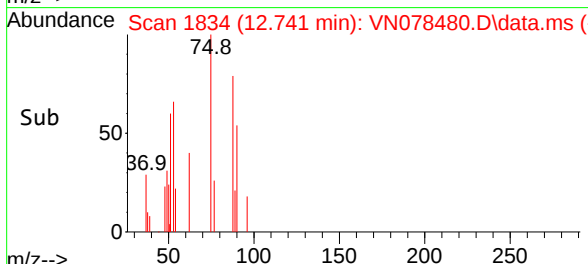
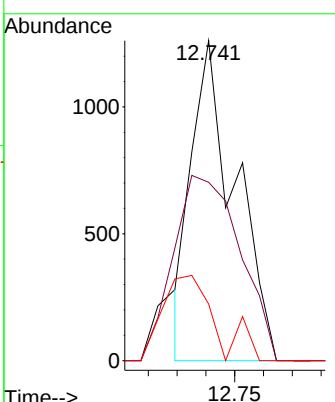
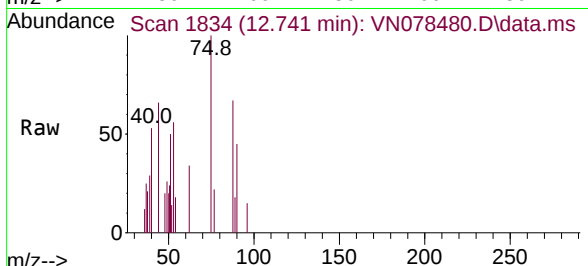
#81
trans-1,4-Dichloro-2-butene
Concen: 0.804 ug/l m
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023

Tgt Ion:	75	Resp:	133
Ion Ratio	Lower	Upper	
75	100		
53	9.2	67.4	101.2
89	0.0	38.8	58.2

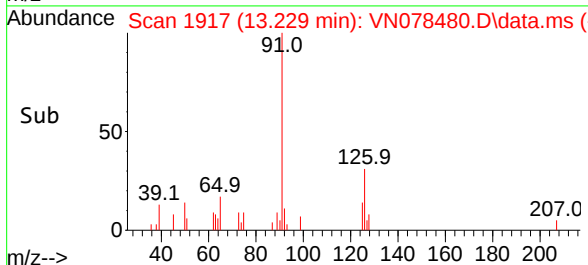
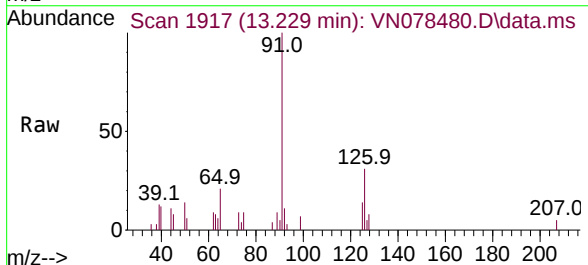
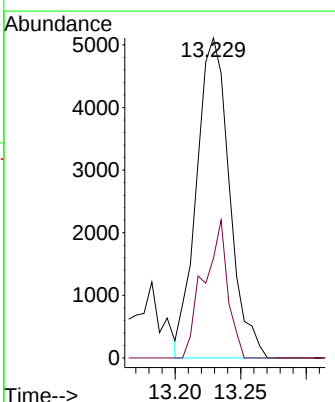
Manual Integrations
APPROVED

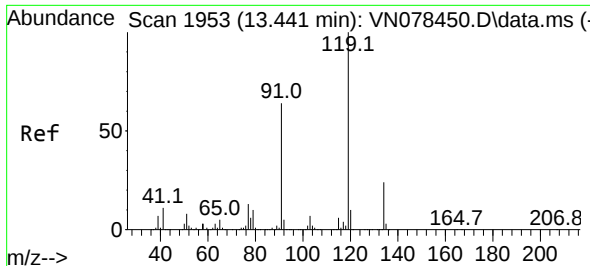
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#82
4-Chlorotoluene
Concen: 0.808 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

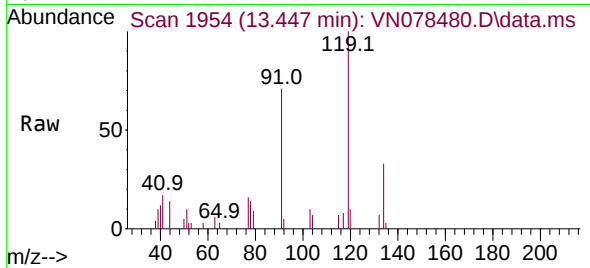
Tgt Ion:	91	Resp:	8922
Ion Ratio	Lower	Upper	
91	100		
126	31.3	16.7	50.0





#83
tert-Butylbenzene
Concen: 0.836 ug/l
RT: 13.447 min Scan# 1953
Delta R.T. 0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

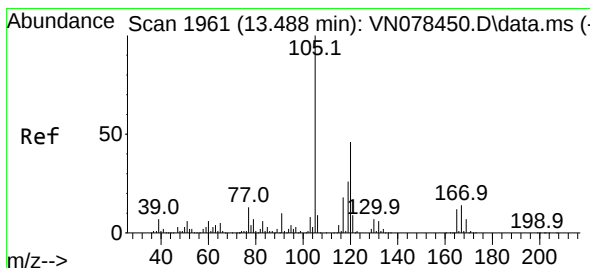
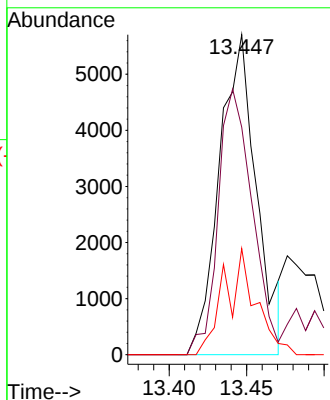
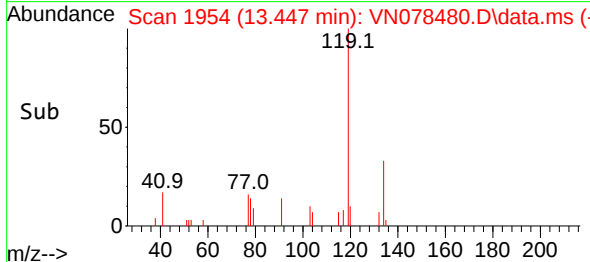
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:119 Resp: 9484
Ion Ratio Lower Upper
119 100
91 76.7 33.9 101.7
134 28.1 13.2 39.6

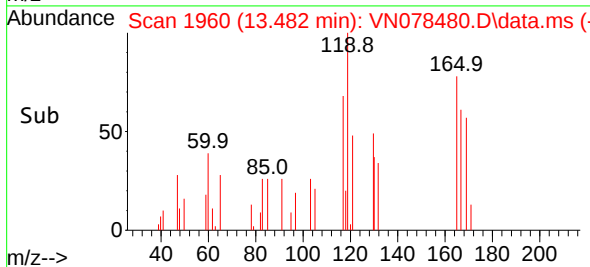
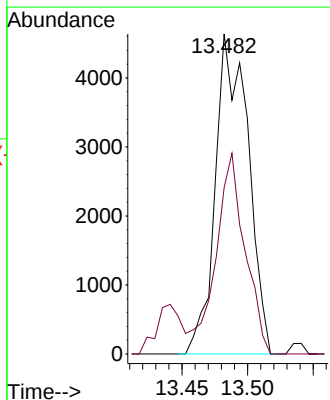
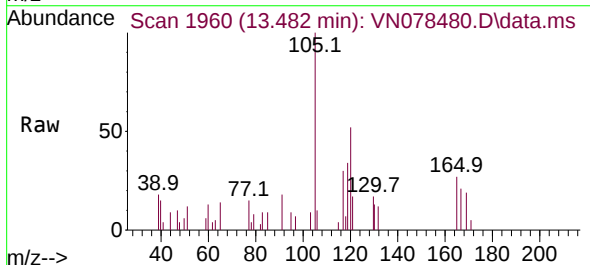
Manual Integrations
APPROVED

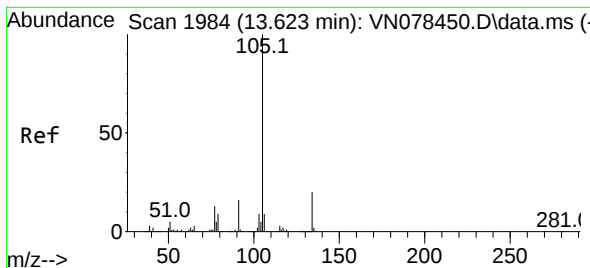
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#84
1,2,4-Trimethylbenzene
Concen: 0.621 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

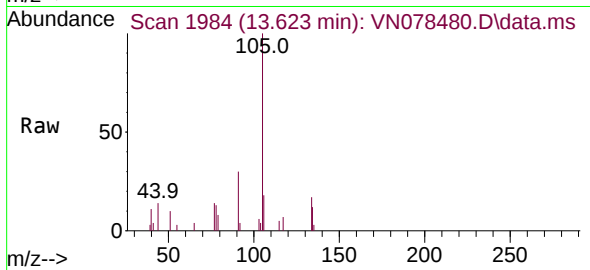
Tgt Ion:105 Resp: 8057
Ion Ratio Lower Upper
105 100
120 55.9 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 0.726 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078480.D
 Acq: 12 Jul 2023 14:53

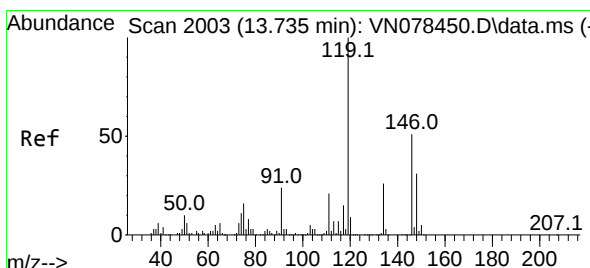
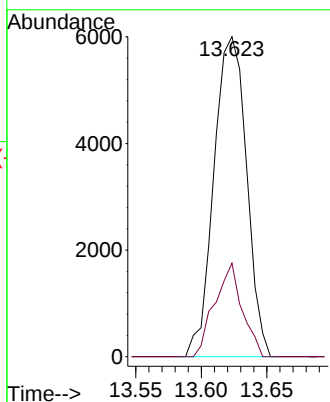
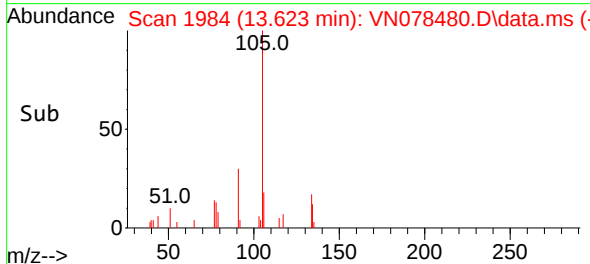
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023



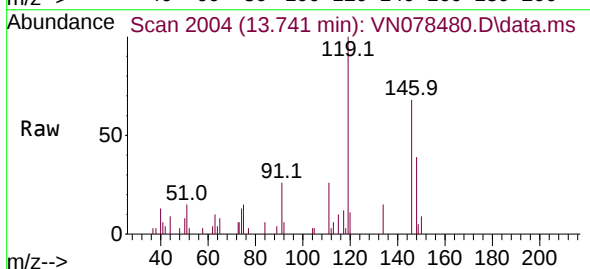
Tgt Ion:105 Resp: 1040
 Ion Ratio Lower Upper
 105 100
 134 24.6 9.8 29.3

Manual Integrations
 APPROVED

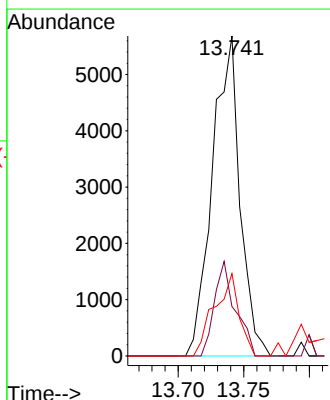
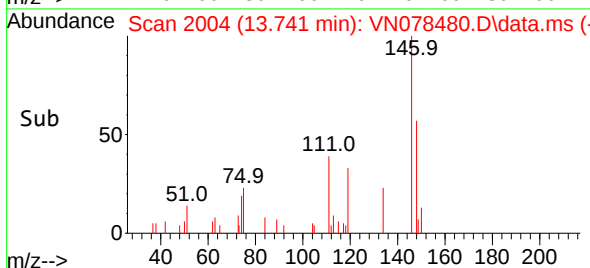
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

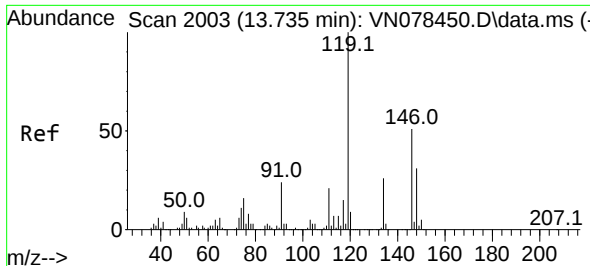


#86
 p-Isopropyltoluene
 Concen: 0.722 ug/l
 RT: 13.741 min Scan# 2004
 Delta R.T. 0.006 min
 Lab File: VN078480.D
 Acq: 12 Jul 2023 14:53



Tgt Ion:119 Resp: 8314
 Ion Ratio Lower Upper
 119 100
 134 22.5 12.6 37.8
 91 23.0 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 0.733 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.006 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:146 Resp: 4758

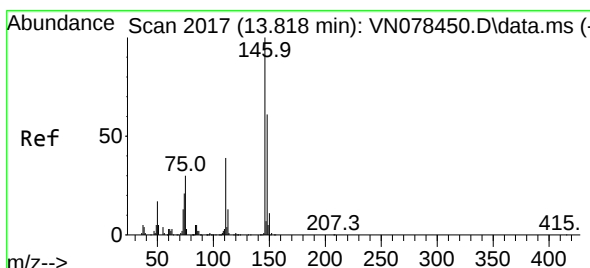
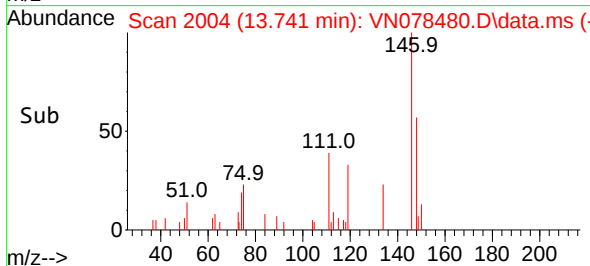
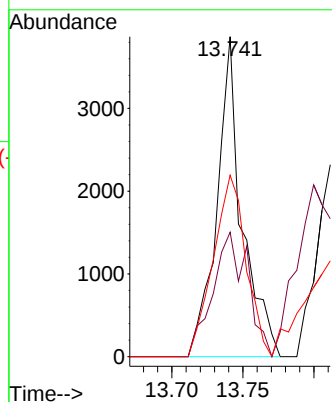
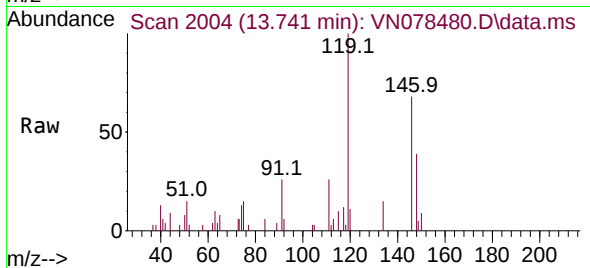
Ion	Ratio	Lower	Upper
146	100		
111	54.1	22.1	66.3
148	73.5	32.0	96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#88

1,4-Dichlorobenzene

Concen: 0.728 ug/l

RT: 13.741 min Scan# 2004

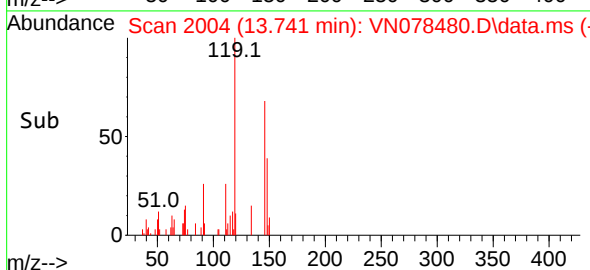
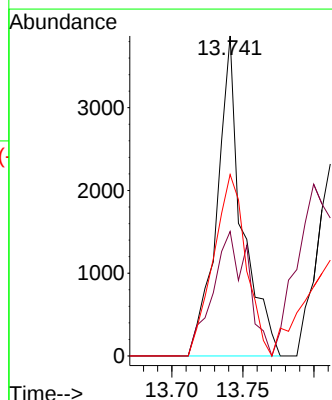
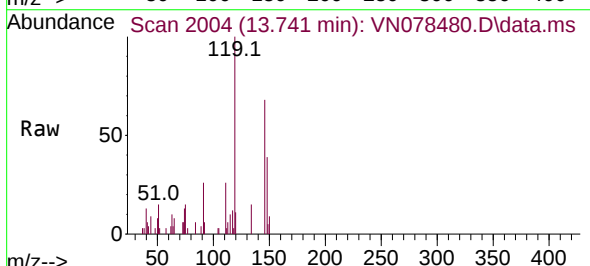
Delta R.T. -0.077 min

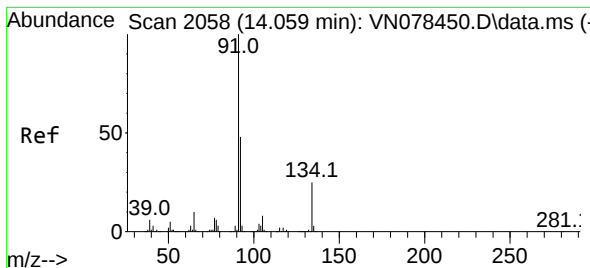
Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Tgt Ion:146 Resp: 4758

Ion	Ratio	Lower	Upper
146	100		
111	54.1	20.6	61.8
148	73.5	31.6	94.8





#89

n-Butylbenzene

Concen: 0.614 ug/l

RT: 14.064 min Scan# 2058

Delta R.T. 0.005 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

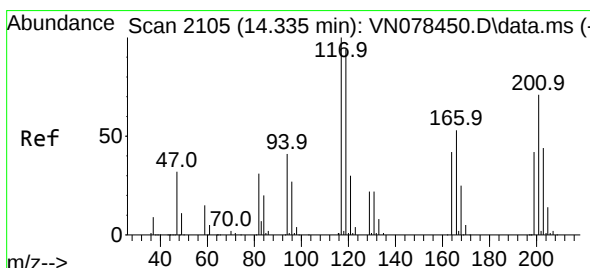
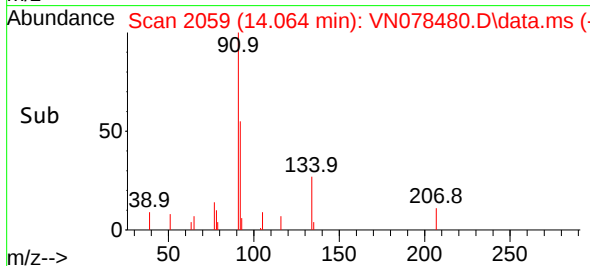
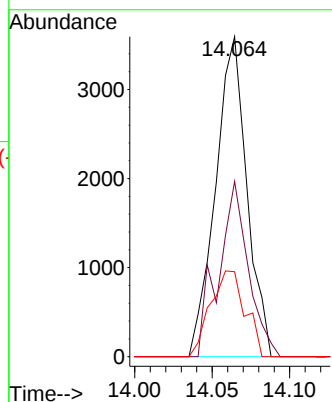
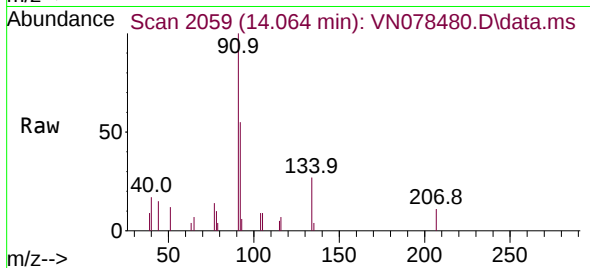
Tgt Ion: 91	Resp: 5058
Ion Ratio	Lower Upper
91 100	
92 52.2	26.4 79.0
134 29.6	12.6 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#90

Hexachloroethane

Concen: 1.032 ug/l

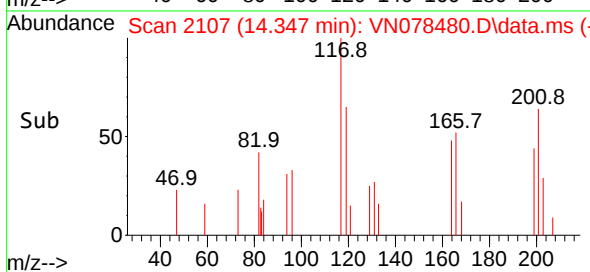
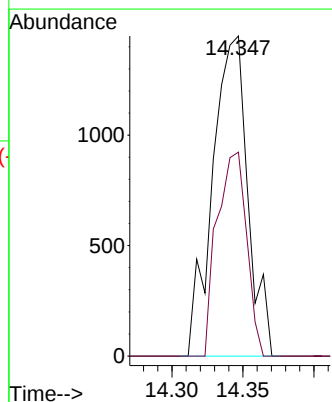
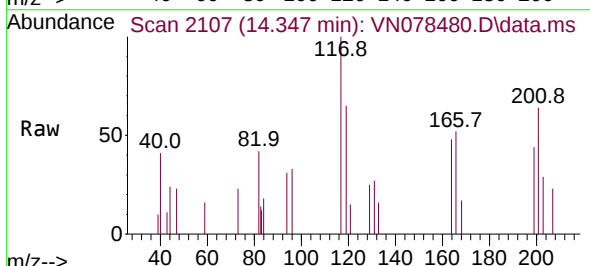
RT: 14.347 min Scan# 2107

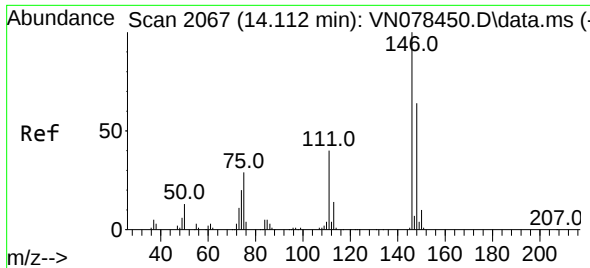
Delta R.T. 0.012 min

Lab File: VN078480.D

Acq: 12 Jul 2023 14:53

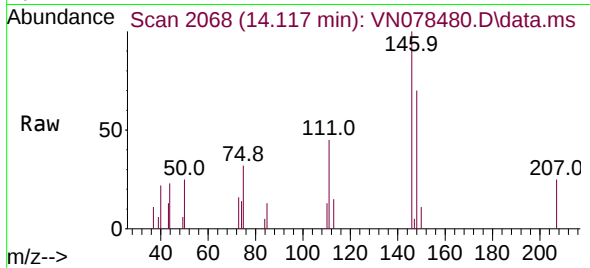
Tgt Ion: 117	Resp: 2510
Ion Ratio	Lower Upper
117 100	
201 53.1	29.3 88.0





#91
1,2-Dichlorobenzene
Concen: 0.894 ug/l
RT: 14.117 min Scan# 2068
Delta R.T. 0.005 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

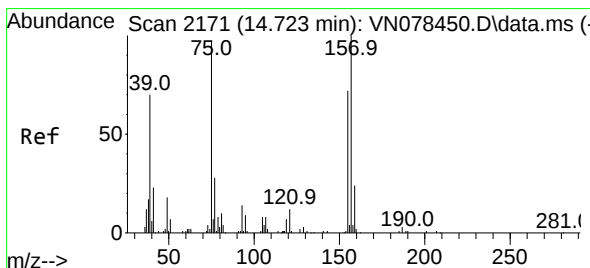
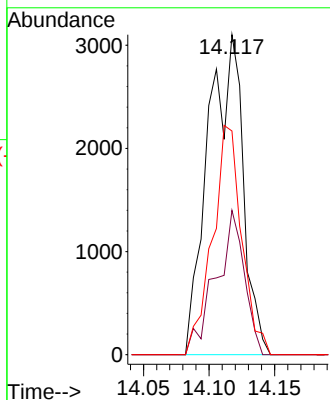
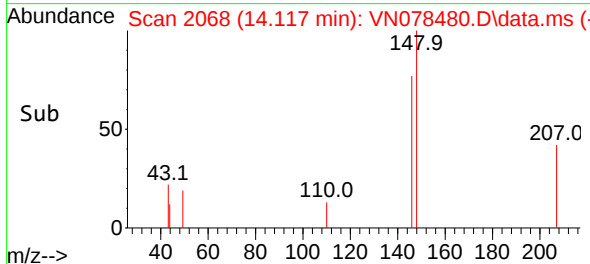
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



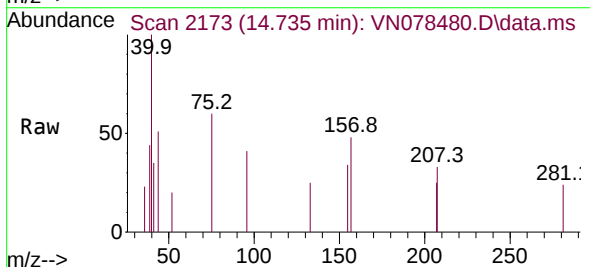
Tgt Ion:146 Resp: 577.0
Ion Ratio Lower Upper
146 100
111 36.5 22.0 66.0
148 59.7 31.8 95.3

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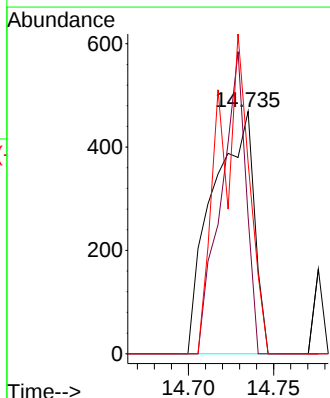
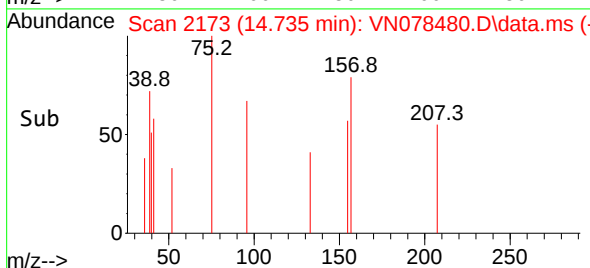
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

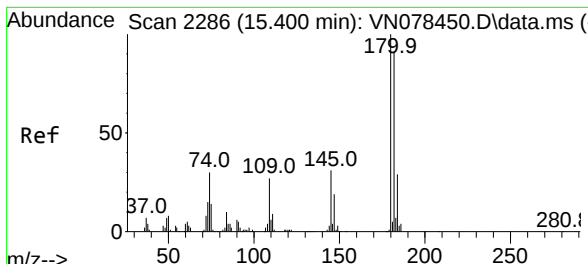


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.840 ug/l
RT: 14.735 min Scan# 2173
Delta R.T. 0.012 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53



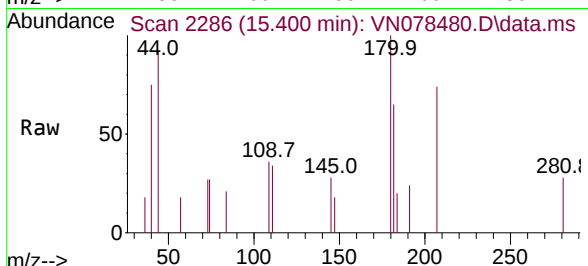
Tgt Ion: 75 Resp: 790
Ion Ratio Lower Upper
75 100
155 75.4 39.1 117.2
157 95.4 50.3 150.9





#93
1,2,4-Trichlorobenzene
Concen: 0.655 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

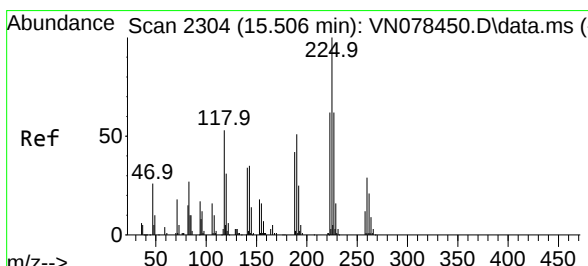
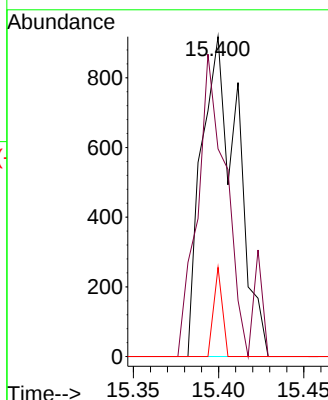
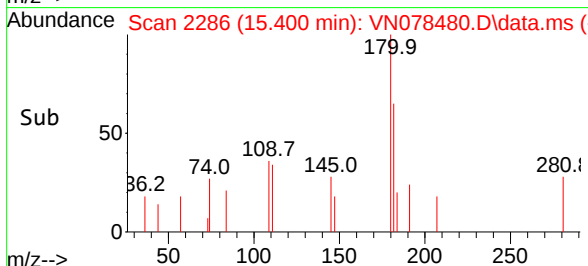
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:180 Resp: 1350
Ion Ratio Lower Upper
180 100
182 73.9 46.1 138.2
145 6.7 16.6 49.8

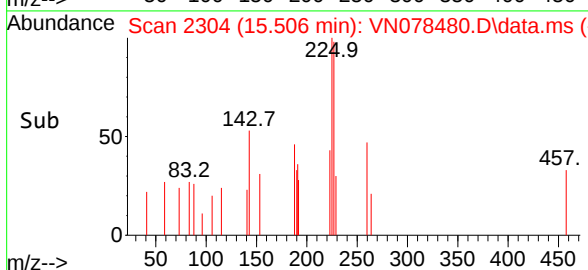
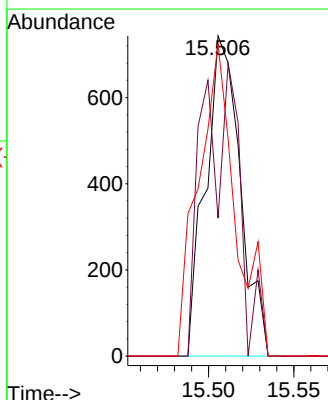
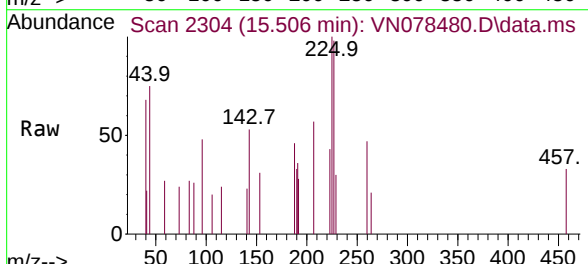
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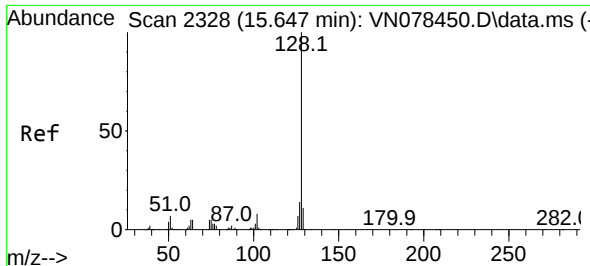
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#94
Hexachlorobutadiene
Concen: 0.781 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

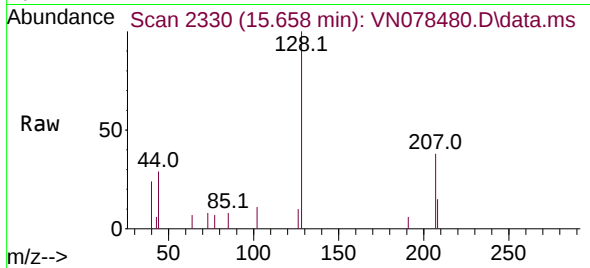
Tgt Ion:225 Resp: 1054
Ion Ratio Lower Upper
225 100
223 50.0 31.3 93.8
227 104.5 31.9 95.9





#95
Naphthalene
Concen: 0.690 ug/l
RT: 15.658 min Scan# 21
Delta R.T. 0.011 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

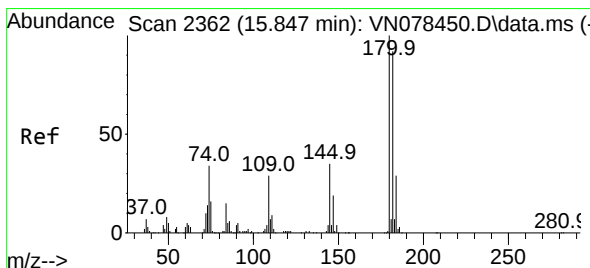
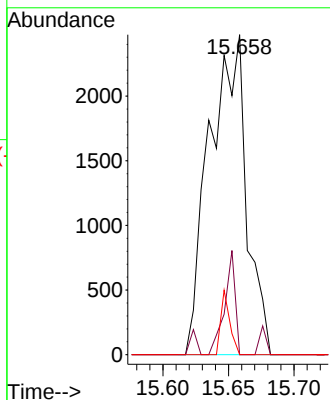
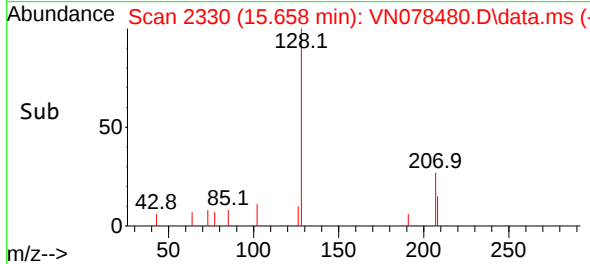
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:128 Resp: 4860
Ion Ratio Lower Upper
128 100
127 9.2 10.0 15.0
129 4.8 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#96
1,2,3-Trichlorobenzene
Concen: 0.770 ug/l
RT: 15.841 min Scan# 2361
Delta R.T. -0.006 min
Lab File: VN078480.D
Acq: 12 Jul 2023 14:53

Tgt Ion:180 Resp: 1824
Ion Ratio Lower Upper
180 100
182 75.7 46.2 138.6
145 29.8 17.5 52.6

