

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078481.D
 Acq On : 12 Jul 2023 15:26
 Operator : JC\MD
 Sample : 03572-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Quant Time: Jul 13 06:25:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 13 06:25:08 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	8.229	168	450874	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	784831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	662321	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	208598	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	337607	55.854	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.700%			
35) Dibromofluoromethane	8.177	113	288514	54.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.300%			
50) Toluene-d8	10.576	98	1054582	52.398	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.800%			
62) 4-Bromofluorobenzene	12.853	95	296483	47.825	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.640%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.136	85	16351	2.958	ug/l	83
3) Chloromethane	2.371	50	16684	2.777	ug/l	97
4) Vinyl Chloride	2.518	62	22124	2.846	ug/l	95
5) Bromomethane	2.959	94	16616	2.994	ug/l	94
6) Chloroethane	3.118	64	15589	2.967	ug/l	91
7) Trichlorofluoromethane	3.500	101	26617	2.865	ug/l	100
8) Diethyl Ether	3.977	74	8286	2.677	ug/l	73
9) 1,1,2-Trichlorotrifluo...	4.377	101	14203	2.888	ug/l #	88
10) Methyl Iodide	4.600	142	15643	2.315	ug/l	96
11) Tert butyl alcohol	5.547	59	12026m	12.902	ug/l	
12) 1,1-Dichloroethene	4.353	96	13535	2.845	ug/l	89
13) Acrolein	4.189	56	9633	10.505	ug/l	99
14) Allyl chloride	5.030	41	17465	2.687	ug/l	92
15) Acrylonitrile	5.741	53	30631	13.007	ug/l	100
16) Acetone	4.447	43	28503	15.138	ug/l	92
17) Carbon Disulfide	4.712	76	34141	2.482	ug/l #	94
18) Methyl Acetate	5.041	43	22481	2.821	ug/l	89
19) Methyl tert-butyl Ether	5.812	73	40870	2.607	ug/l #	90
20) Methylene Chloride	5.283	84	17583	2.893	ug/l	98
21) trans-1,2-Dichloroethene	5.794	96	13525	2.523	ug/l	90
22) Diisopropyl ether	6.683	45	36738	2.524	ug/l #	86
23) Vinyl Acetate	6.624	43	115906	12.525	ug/l #	84
24) 1,1-Dichloroethane	6.583	63	27298	2.783	ug/l	94
25) 2-Butanone	7.500	43	40104	13.531	ug/l	90
26) 2,2-Dichloropropane	7.488	77	22514m	2.806	ug/l	
27) cis-1,2-Dichloroethene	7.494	96	16978	2.738	ug/l	95
28) Bromochloromethane	7.824	49	11519	2.493	ug/l	99
29) Tetrahydrofuran	7.853	42	24711	12.706	ug/l	86
30) Chloroform	7.977	83	29199	2.859	ug/l	94
31) Cyclohexane	8.265	56	29824	3.651	ug/l #	79
32) 1,1,1-Trichloroethane	8.177	97	25389	2.773	ug/l #	85
36) 1,1-Dichloropropene	8.382	75	18975	2.467	ug/l	97
37) Ethyl Acetate	7.577	43	17418	2.716	ug/l #	97
38) Carbon Tetrachloride	8.365	117	21349	2.553	ug/l	96
39) Methylcyclohexane	9.606	83	18054	2.571	ug/l #	85
40) Benzene	8.612	78	59438	2.608	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	8902	2.723	ug/l	89
42) 1,2-Dichloroethane	8.682	62	20812	2.685	ug/l	100
43) Isopropyl Acetate	8.700	43	28501	2.700	ug/l	98
44) Trichloroethene	9.371	130	16262	2.647	ug/l	74
45) 1,2-Dichloropropane	9.635	63	15984	2.769	ug/l #	79
46) Dibromomethane	9.712	93	10399	2.560	ug/l #	86
47) Bromodichloromethane	9.894	83	21435	2.632	ug/l	97
48) Methyl methacrylate	9.688	41	11642	2.380	ug/l	89
49) 1,4-Dioxane	9.700	88	5485	51.420	ug/l #	87
51) 4-Methyl-2-Pentanone	10.453	43	77914	12.407	ug/l	92
52) Toluene	10.641	92	37276	2.639	ug/l	93
53) t-1,3-Dichloropropene	10.841	75	19685	2.359	ug/l	100
54) cis-1,3-Dichloropropene	10.312	75	23187	2.607	ug/l #	90
55) 1,1,2-Trichloroethane	11.018	97	15148	2.722	ug/l	93
56) Ethyl methacrylate	10.876	69	20114	2.586	ug/l	95
57) 1,3-Dichloropropane	11.170	76	25024	2.645	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.171	63	29751	10.731	ug/l	96
59) 2-Hexanone	11.206	43	57556	12.896	ug/l	88
60) Dibromochloromethane	11.365	129	17217	2.802	ug/l	90
61) 1,2-Dibromoethane	11.476	107	14901	2.599	ug/l	100
64) Tetrachloroethene	11.112	164	14852	2.983	ug/l #	86
65) Chlorobenzene	11.900	112	38023	2.568	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.970	131	14516	2.549	ug/l	95
67) Ethyl Benzene	11.970	91	63080	2.521	ug/l #	88
68) m/p-Xylenes	12.076	106	45817	4.952	ug/l	100
69) o-Xylene	12.400	106	22258	2.382	ug/l	99
70) Styrene	12.423	104	31471	2.153	ug/l	97
71) Bromoform	12.582	173	9236	2.395	ug/l #	91
73) Isopropylbenzene	12.700	105	53885	2.749	ug/l	100
74) N-amyl acetate	12.500	43	18195	2.694	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.947	83	21079	3.185	ug/l	97
76) 1,2,3-Trichloropropane	12.994	75	17136m	3.399	ug/l	
77) Bromobenzene	12.982	156	13863	2.880	ug/l	100
78) n-propylbenzene	13.041	91	58424	2.787	ug/l	96
79) 2-Chlorotoluene	13.129	91	37885	2.759	ug/l	92
80) 1,3,5-Trimethylbenzene	13.182	105	43016	2.778	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.741	75	5713m	2.977	ug/l	
82) 4-Chlorotoluene	13.229	91	34288	2.677	ug/l	99
83) tert-Butylbenzene	13.447	119	36798	2.799	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	38089	2.532	ug/l	100
85) sec-Butylbenzene	13.623	105	43467	2.615	ug/l	93
86) p-Isopropyltoluene	13.735	119	33903	2.540	ug/l	99
87) 1,3-Dichlorobenzene	13.741	146	19538	2.597	ug/l	95
88) 1,4-Dichlorobenzene	13.817	146	18712	2.469	ug/l	84
89) n-Butylbenzene	14.059	91	22416	2.348	ug/l	98
90) Hexachloroethane	14.335	117	8190	2.904	ug/l	87
91) 1,2-Dichlorobenzene	14.111	146	18705	2.498	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.729	75	2789	2.556	ug/l	94
93) 1,2,4-Trichlorobenzene	15.405	180	4125	1.726	ug/l	93
94) Hexachlorobutadiene	15.511	225	4299	2.749	ug/l	86
95) Naphthalene	15.647	128	13522	1.655	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	4774m	1.737	ug/l	

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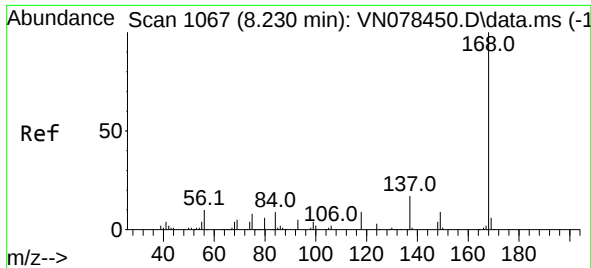
Manual Integrations
APPROVED

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

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Quant Title : SW846 8260
QLast Update : Thu Jul 13 06:25:08 2023
Response via : Initial Calibration

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



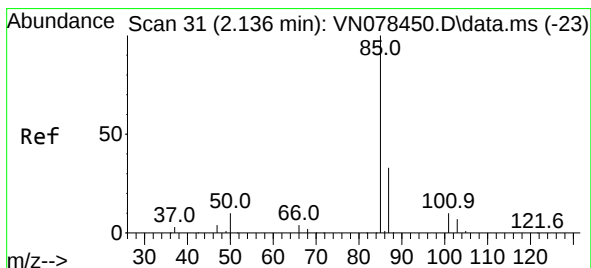
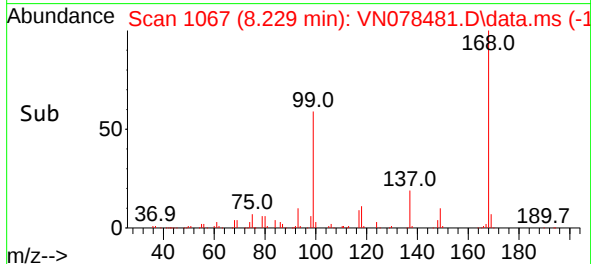
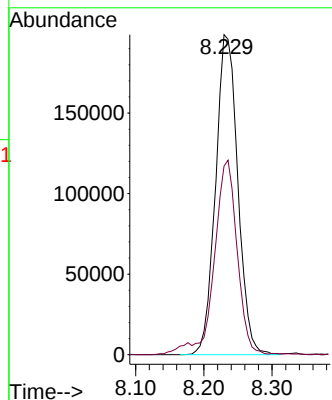
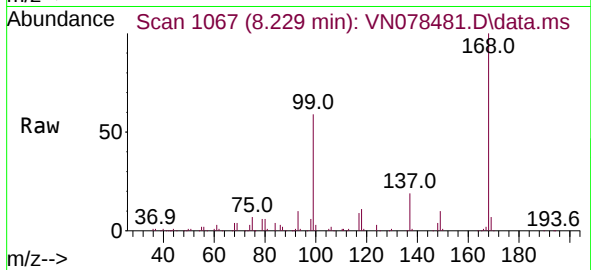
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Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion:168 Resp: 450874
Ion Ratio Lower Upper
168 100
99 58.7 53.0 79.6

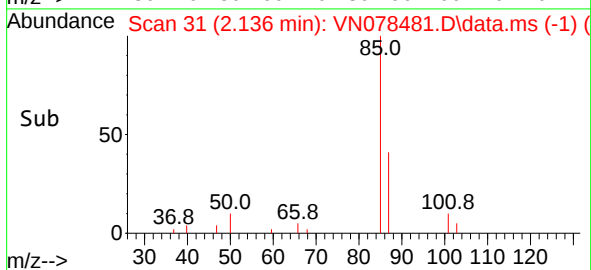
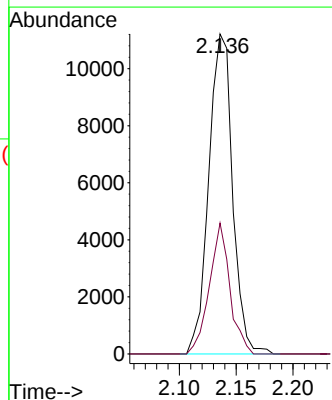
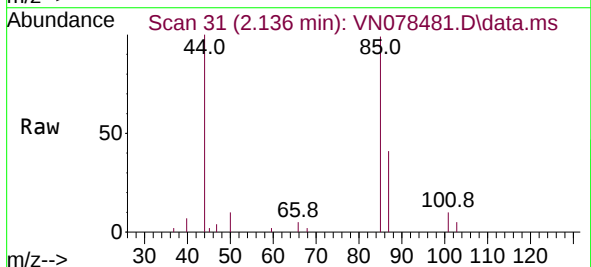
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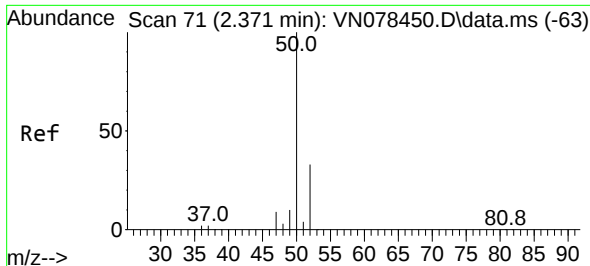
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#2
Dichlorodifluoromethane
Concen: 2.958 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

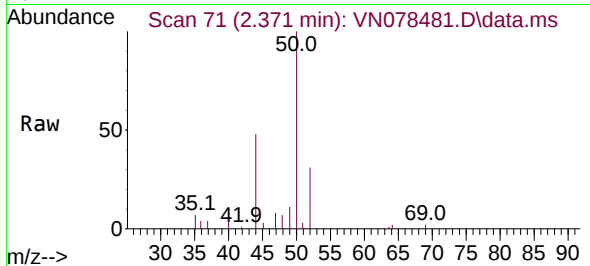
Tgt Ion: 85 Resp: 16351
Ion Ratio Lower Upper
85 100
87 40.9 15.8 47.4





#3
Chloromethane
Concen: 2.777 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

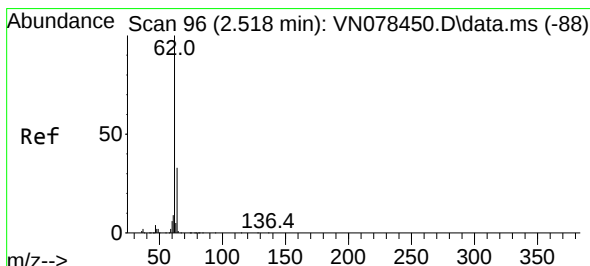
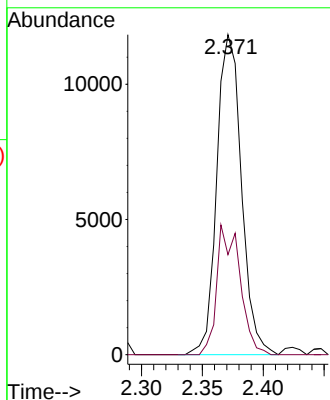
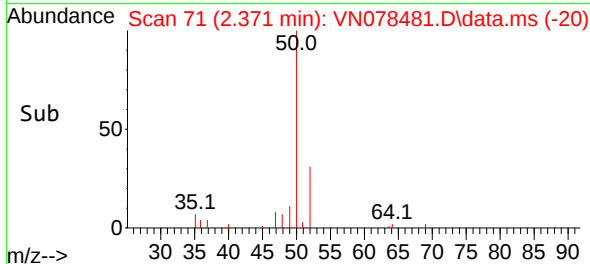
Instrument :
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MDL-WATER-03-QT3-2023



Tgt Ion: 50 Resp: 16684
Ion Ratio Lower Upper
50 100
52 31.2 26.5 39.7

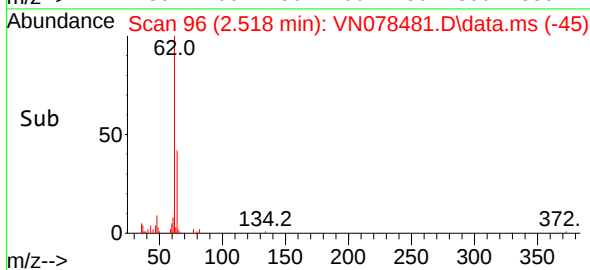
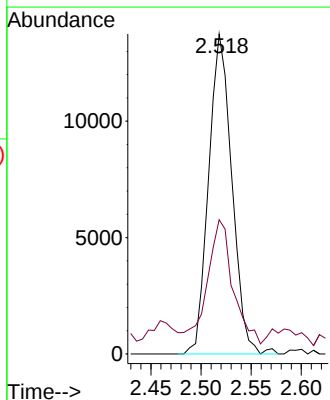
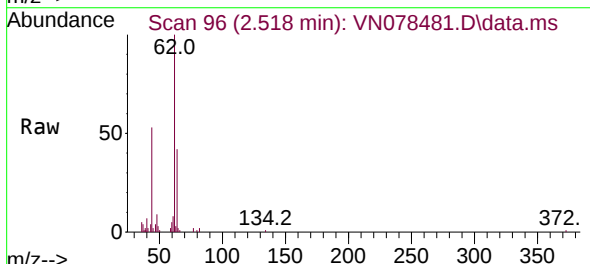
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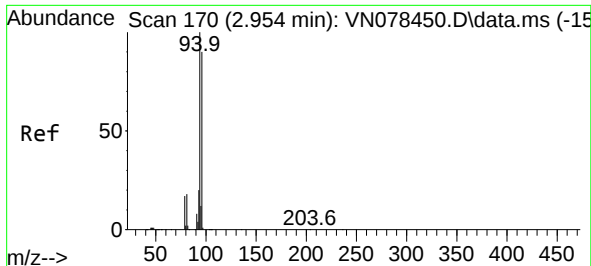
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#4
Vinyl Chloride
Concen: 2.846 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

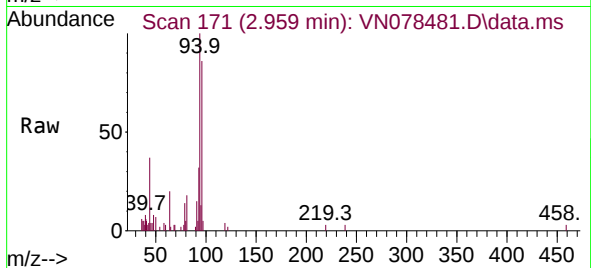
Tgt Ion: 62 Resp: 22124
Ion Ratio Lower Upper
62 100
64 35.5 26.2 39.2





#5
Bromomethane
Concen: 2.994 ug/l
RT: 2.959 min Scan# 171
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

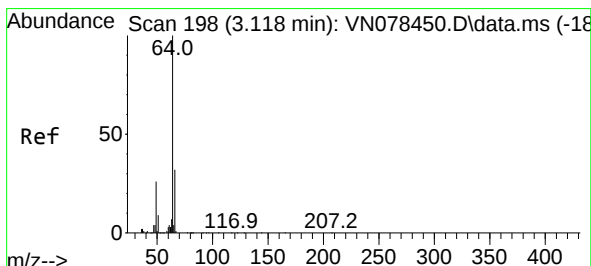
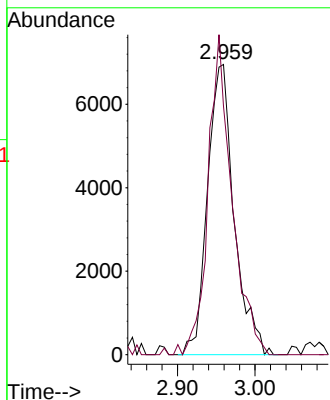
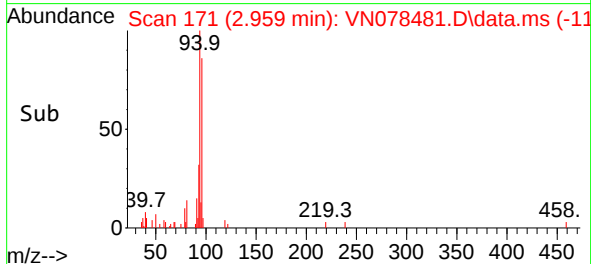
Instrument :
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Tgt Ion: 94 Resp: 16610
Ion Ratio Lower Upper
94 100
96 85.7 73.1 109.7

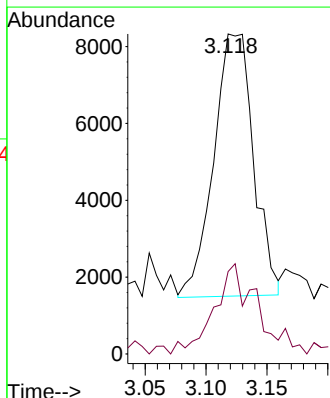
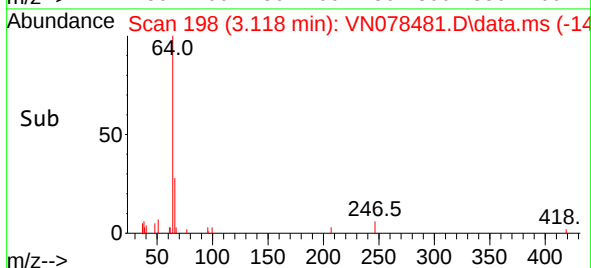
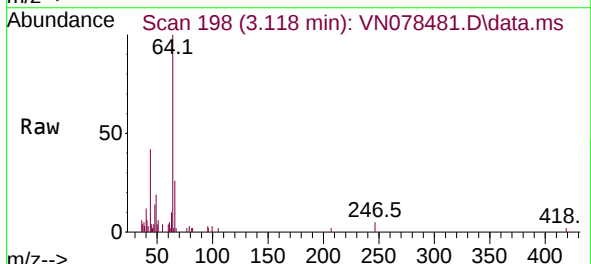
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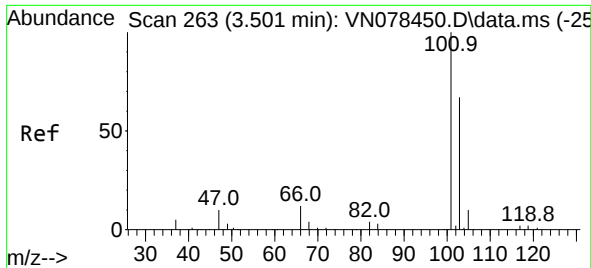
Reviewed By :John Carlone 07/13/2023
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#6
Chloroethane
Concen: 2.967 ug/l
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

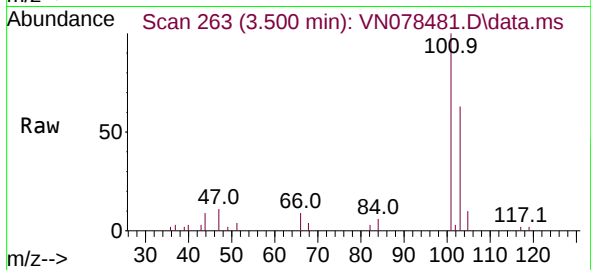
Tgt Ion: 64 Resp: 15589
Ion Ratio Lower Upper
64 100
66 26.7 25.4 38.2





#7
Trichlorofluoromethane
Concen: 2.865 ug/l
RT: 3.500 min Scan# 20
Delta R.T. -0.001 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

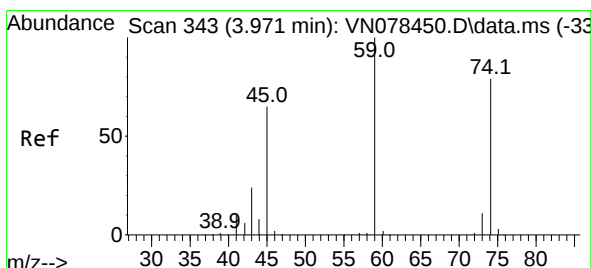
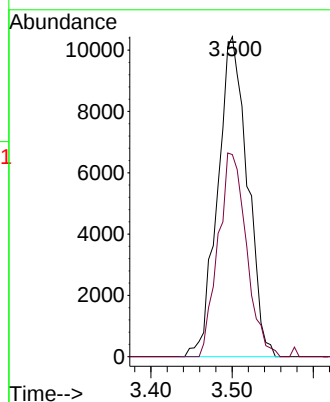
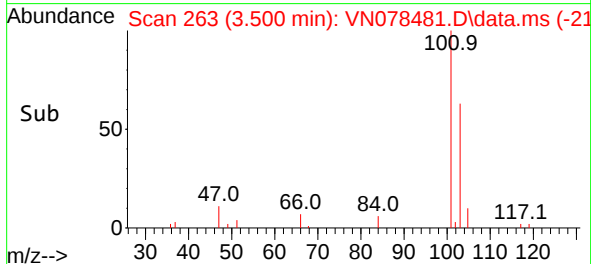
Instrument :
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MDL-WATER-03-QT3-2023



Tgt Ion:101 Resp: 2661
Ion Ratio Lower Upper
101 100
103 63.2 50.7 76.1

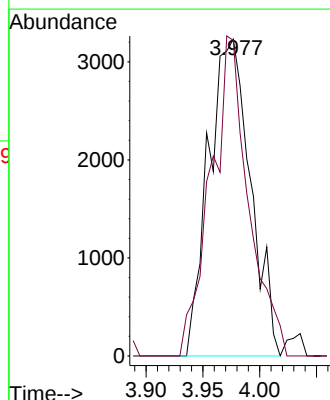
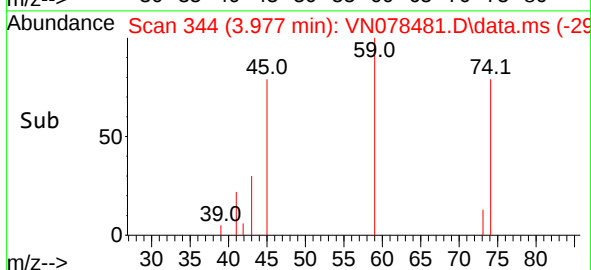
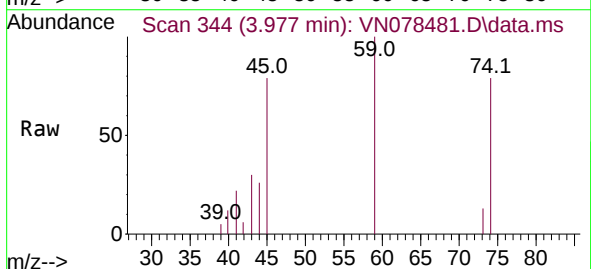
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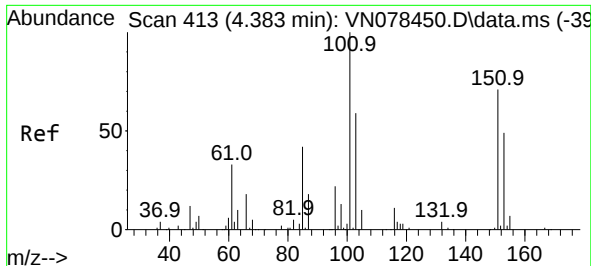
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#8
Diethyl Ether
Concen: 2.677 ug/l
RT: 3.977 min Scan# 344
Delta R.T. 0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion: 74 Resp: 8286
Ion Ratio Lower Upper
74 100
45 91.0 34.4 103.3





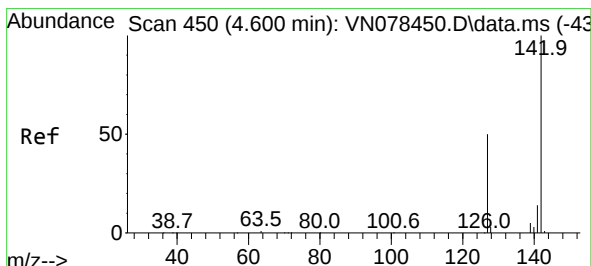
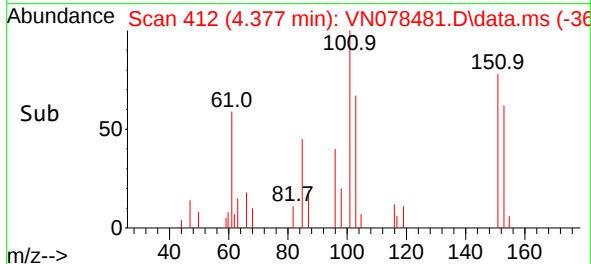
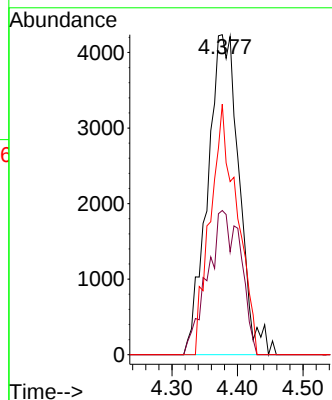
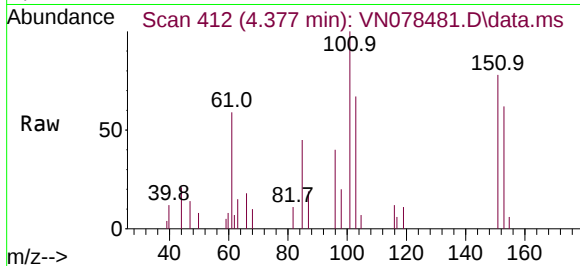
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.888 ug/l
RT: 4.377 min Scan# 413
Delta R.T. -0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion:101 Resp: 1420
Ion Ratio Lower Upper
101 100
85 31.9 36.6 55.0
151 66.5 57.6 86.4

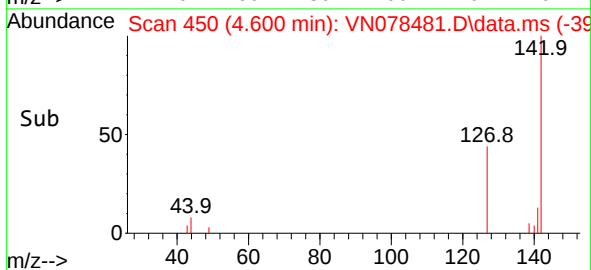
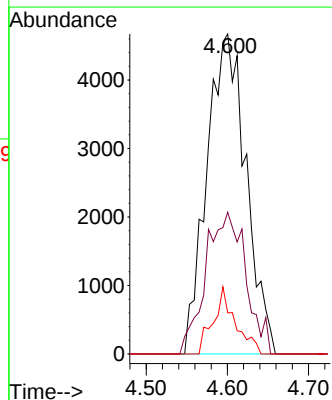
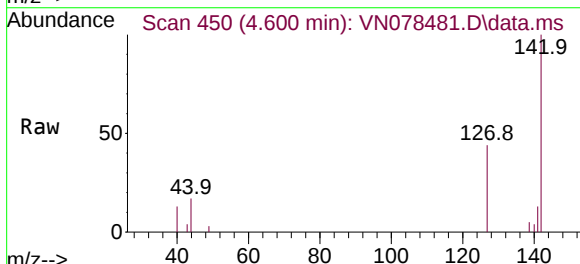
Manual Integrations
APPROVED

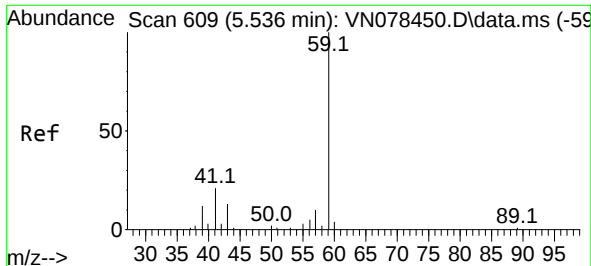
Reviewed By :John Carbone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#10
Methyl Iodide
Concen: 2.315 ug/l
RT: 4.600 min Scan# 450
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion:142 Resp: 15643
Ion Ratio Lower Upper
142 100
127 44.3 37.6 56.4
141 12.8 11.4 17.0





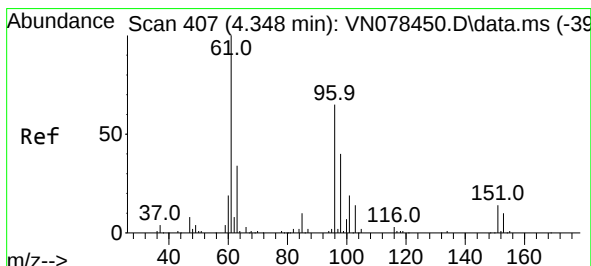
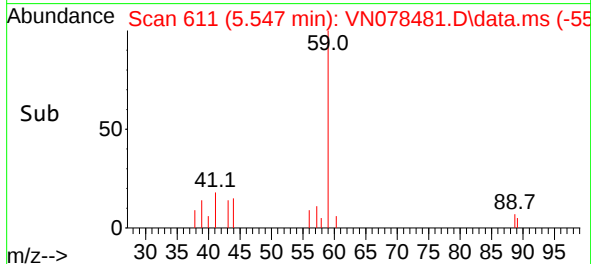
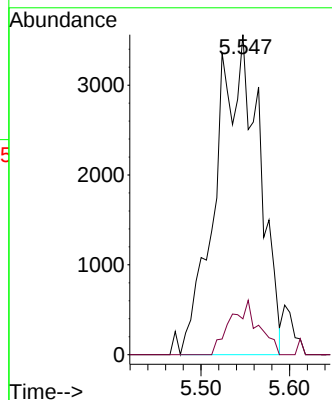
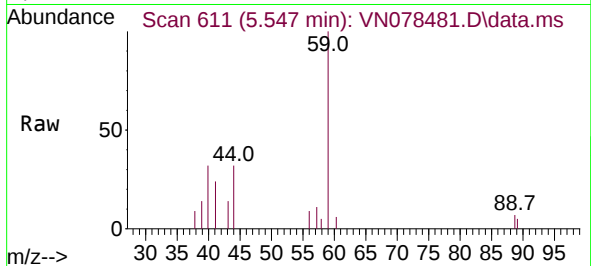
#11
Tert butyl alcohol
Concen: 12.902 ug/l m
RT: 5.547 min Scan# 611
Delta R.T. 0.011 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion: 59 Resp: 12020
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4

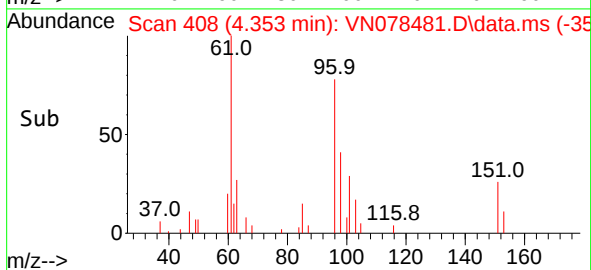
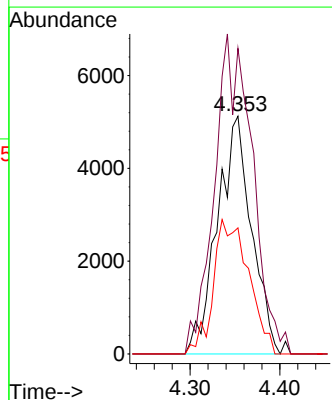
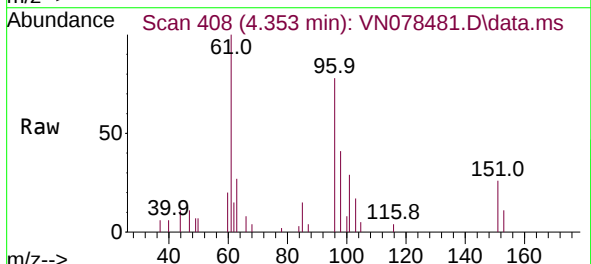
Manual Integrations
APPROVED

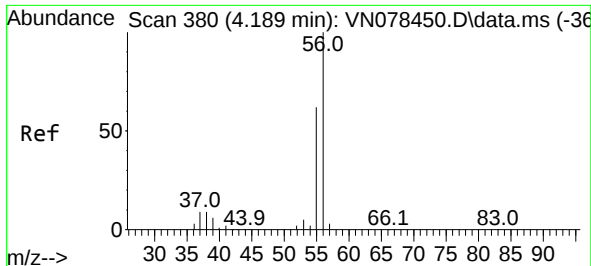
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#12
1,1-Dichloroethene
Concen: 2.845 ug/l
RT: 4.353 min Scan# 408
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

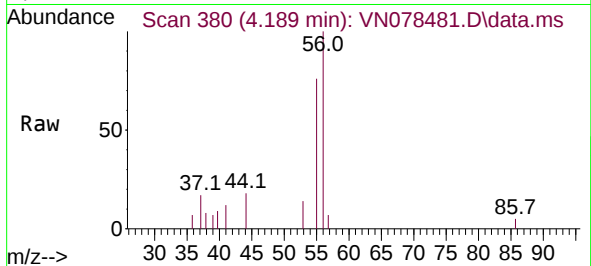
Tgt Ion: 96 Resp: 13535
Ion Ratio Lower Upper
96 100
61 128.6 112.7 169.1
98 53.0 51.2 76.8





#13
Acrolein
Concen: 10.505 ug/l
RT: 4.189 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

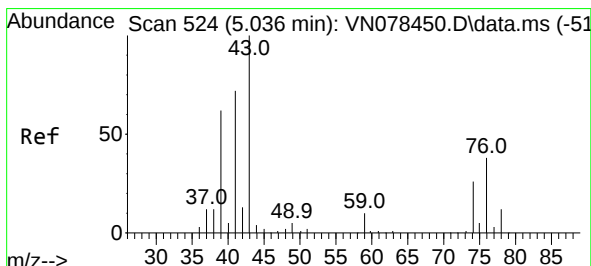
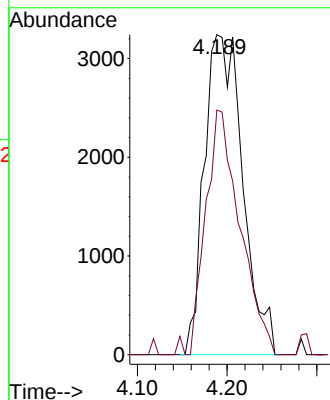
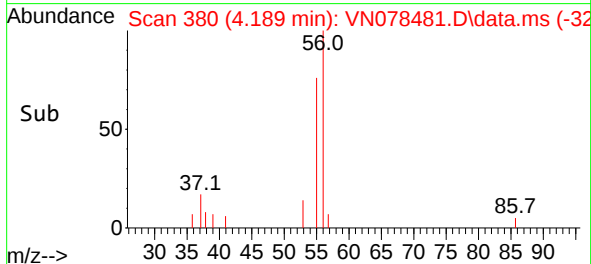
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



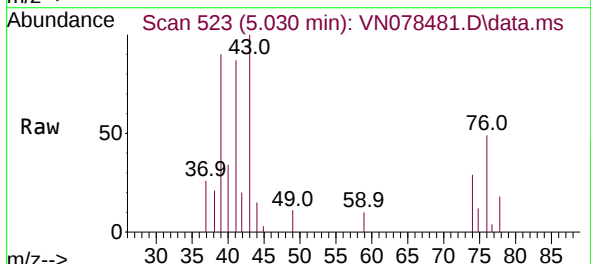
Tgt Ion: 56 Resp: 963
Ion Ratio Lower Upper
56 100
55 68.8 54.5 81.7

Manual Integrations
APPROVED

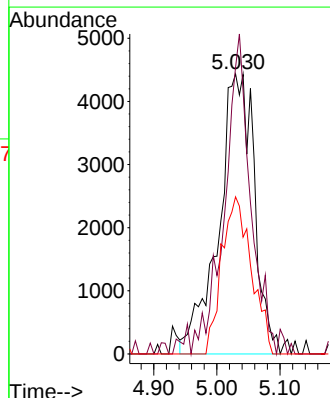
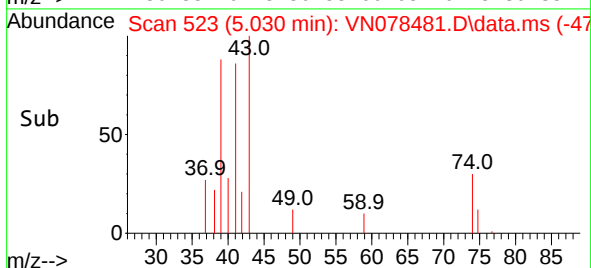
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

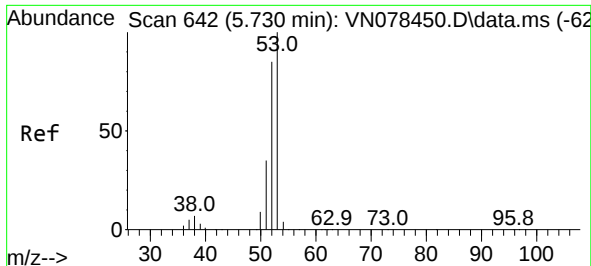


#14
Allyl chloride
Concen: 2.687 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26



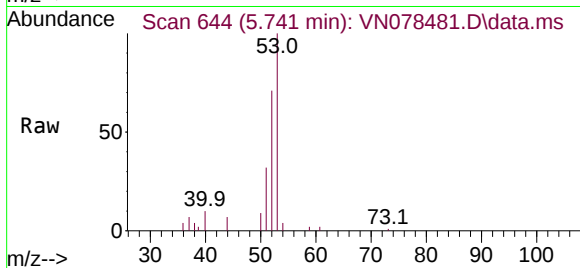
Tgt Ion: 41 Resp: 17465
Ion Ratio Lower Upper
41 100
39 82.6 58.8 88.2
76 46.5 39.1 58.7





#15
Acrylonitrile
Concen: 13.007 ug/l
RT: 5.741 min Scan# 643
Delta R.T. 0.011 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

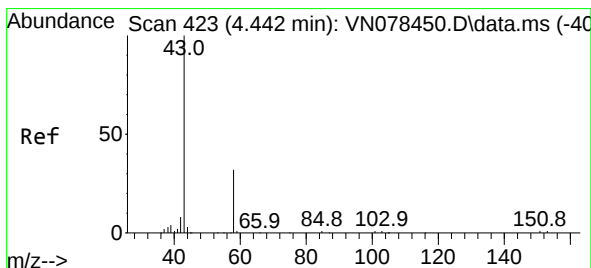
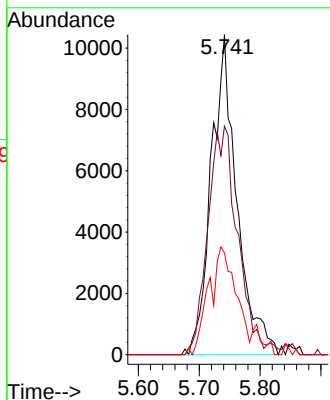
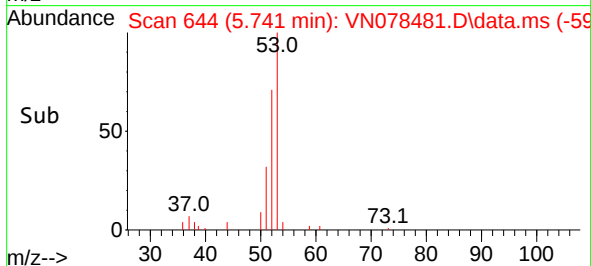
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 53 Resp: 3063
Ion Ratio Lower Upper
53 100
52 81.5 65.3 97.9
51 35.7 28.9 43.3

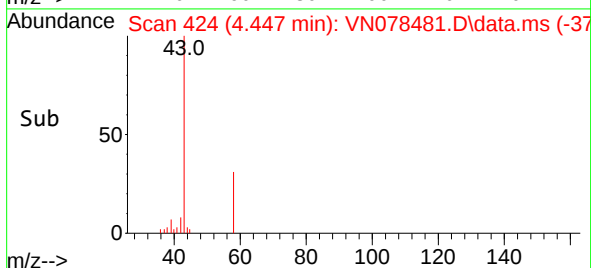
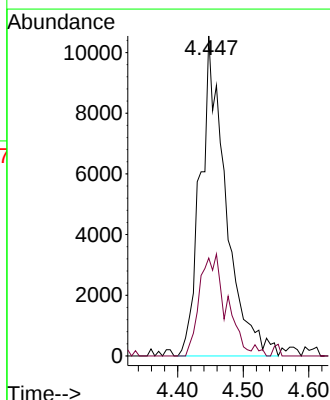
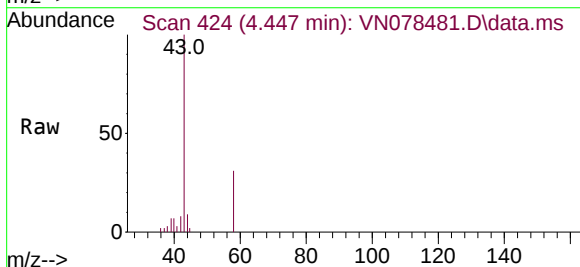
Manual Integrations
APPROVED

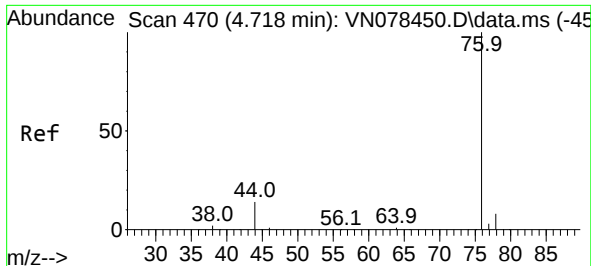
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#16
Acetone
Concen: 15.138 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

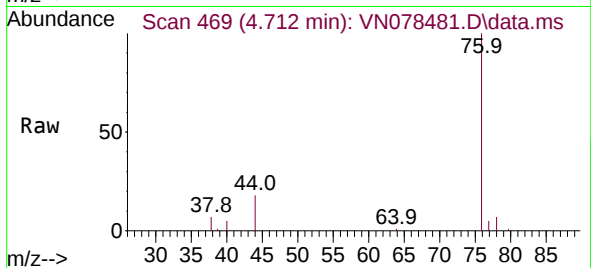
Tgt Ion: 43 Resp: 28503
Ion Ratio Lower Upper
43 100
58 30.6 28.0 42.0





#17
Carbon Disulfide
Concen: 2.482 ug/l
RT: 4.712 min Scan# 470
Delta R.T. -0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

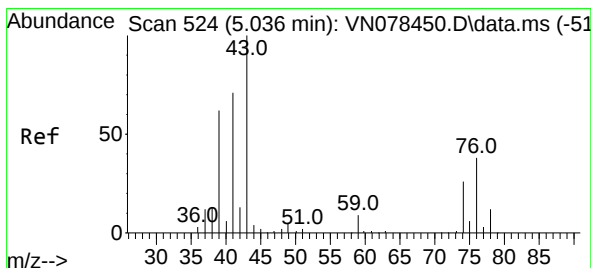
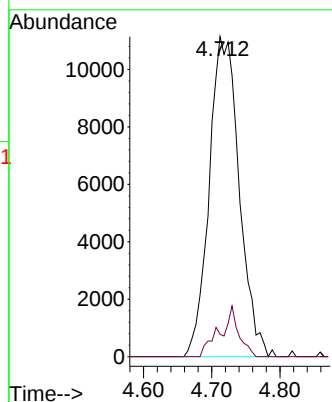
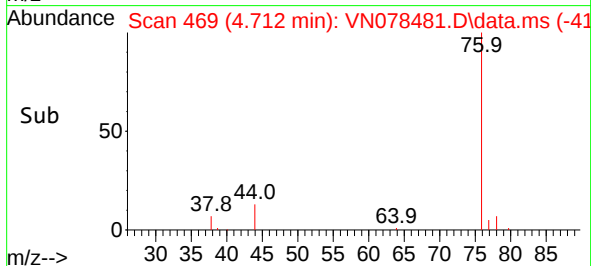
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 76 Resp: 3414
Ion Ratio Lower Upper
76 100
78 7.0 7.4 11.0

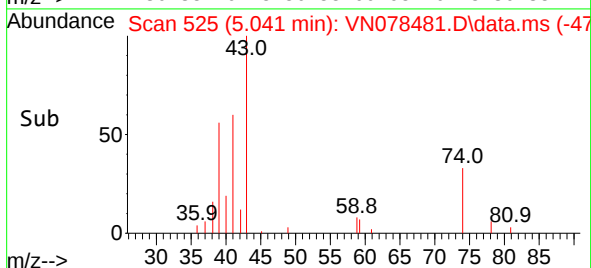
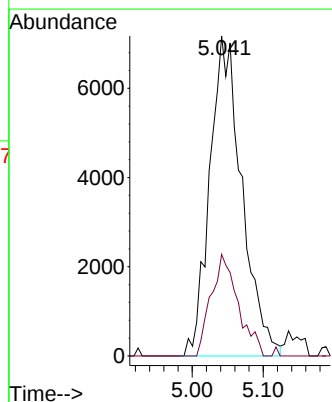
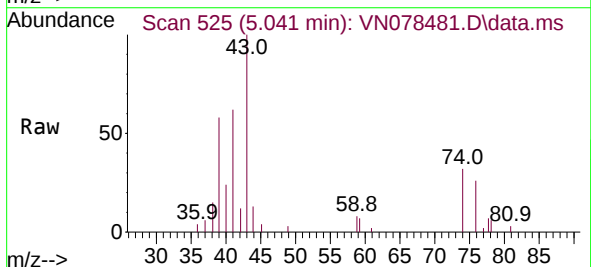
Manual Integrations
APPROVED

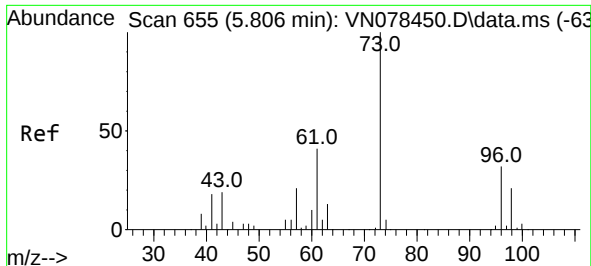
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#18
Methyl Acetate
Concen: 2.821 ug/l
RT: 5.041 min Scan# 525
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion: 43 Resp: 22481
Ion Ratio Lower Upper
43 100
74 26.8 26.2 39.4





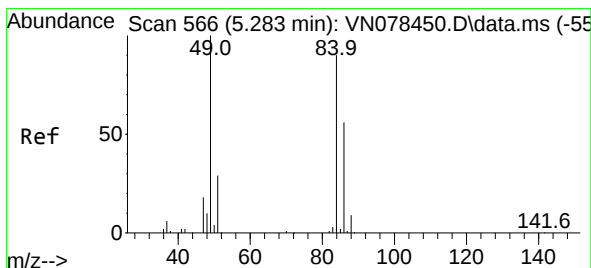
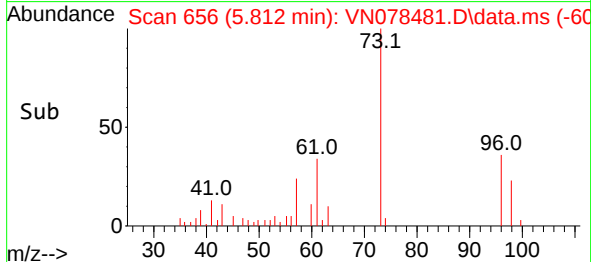
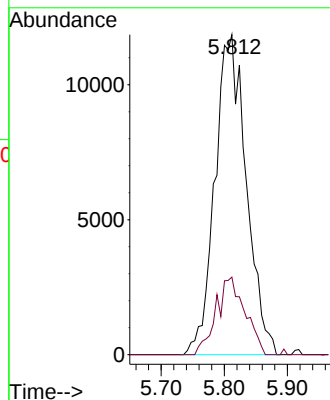
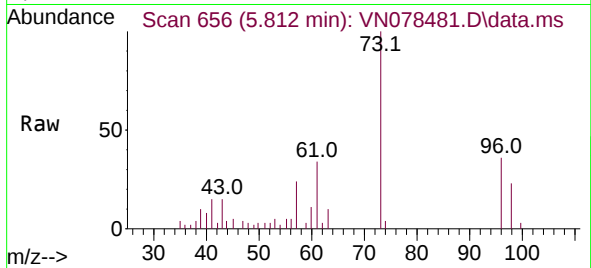
#19
Methyl tert-butyl Ether
Concen: 2.607 ug/l
RT: 5.812 min Scan# 655
Delta R.T. 0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion: 73 Resp: 40870
Ion Ratio Lower Upper
73 100
57 24.3 15.6 23.4

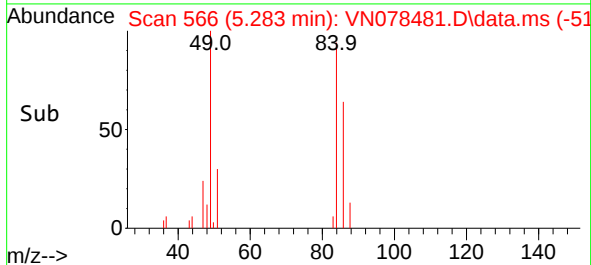
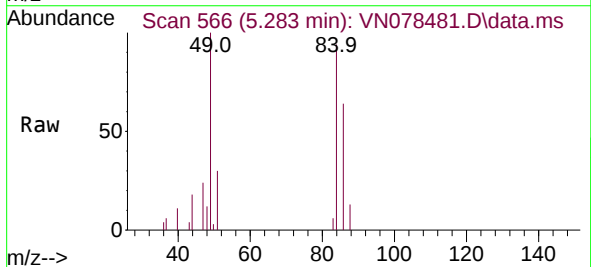
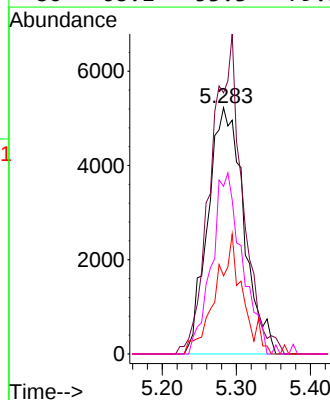
Manual Integrations
APPROVED

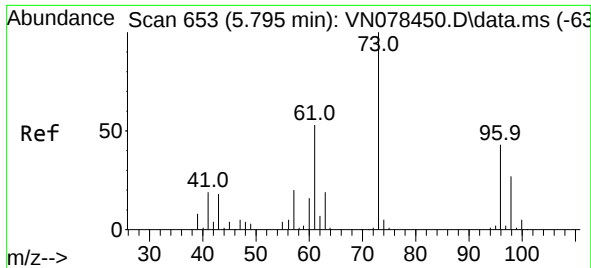
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#20
Methylene Chloride
Concen: 2.893 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

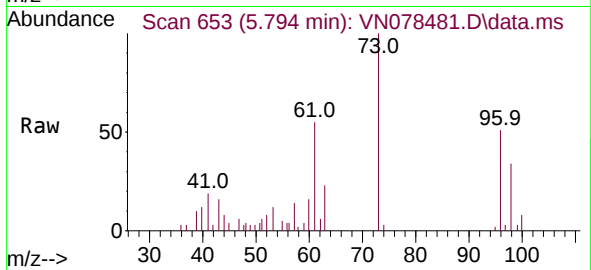
Tgt Ion: 84 Resp: 17583
Ion Ratio Lower Upper
84 100
49 103.0 79.7 119.5
51 31.7 25.2 37.8
86 68.1 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 2.523 ug/l
RT: 5.794 min Scan# 610
Delta R.T. -0.001 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

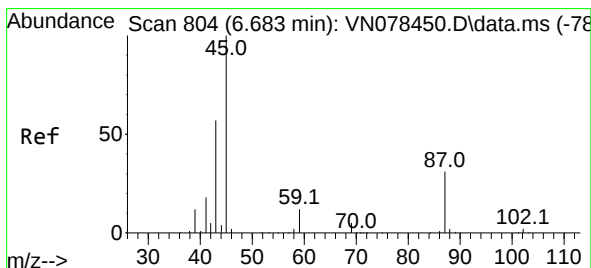
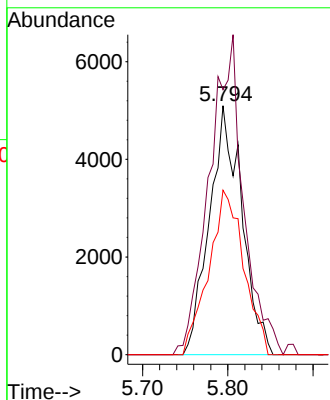
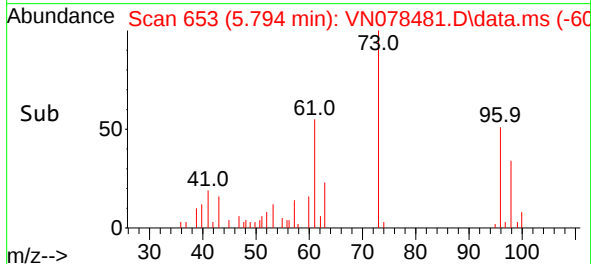
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



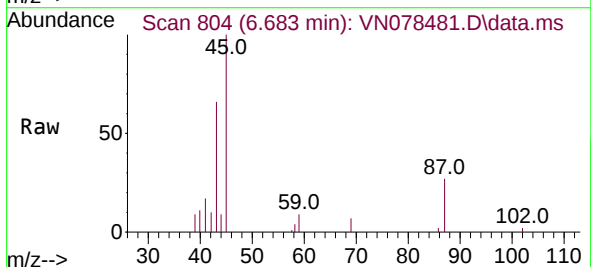
Tgt Ion: 96 Resp: 13529
Ion Ratio Lower Upper
96 100
61 102.9 90.1 135.1
98 66.1 46.4 69.6

Manual Integrations
APPROVED

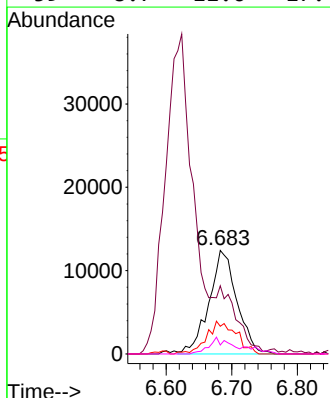
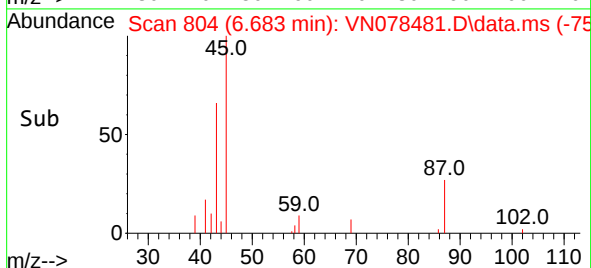
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

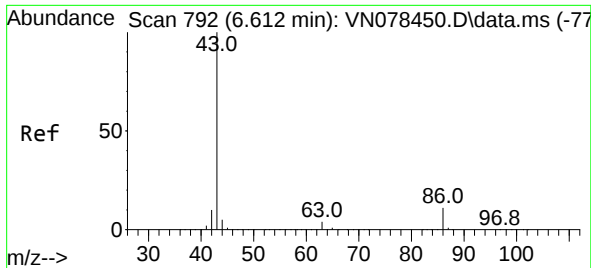


#22
Diisopropyl ether
Concen: 2.524 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26



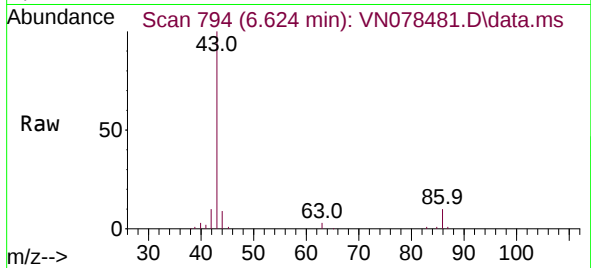
Tgt Ion: 45 Resp: 36738
Ion Ratio Lower Upper
45 100
43 63.9 45.5 68.3
87 26.8 31.8 47.8#
59 8.7 11.6 17.4#





#23
 Vinyl Acetate
 Concen: 12.525 ug/l
 RT: 6.624 min Scan# 794
 Delta R.T. 0.012 min
 Lab File: VN078481.D
 Acq: 12 Jul 2023 15:26

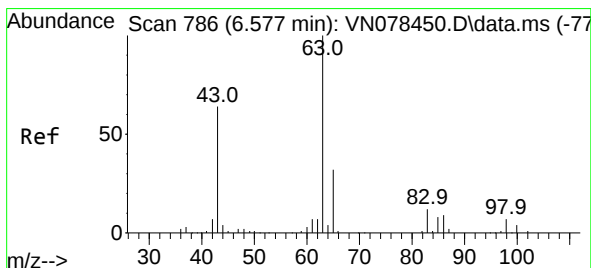
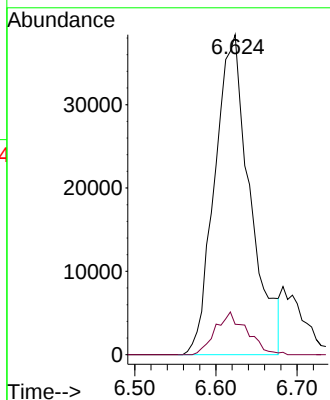
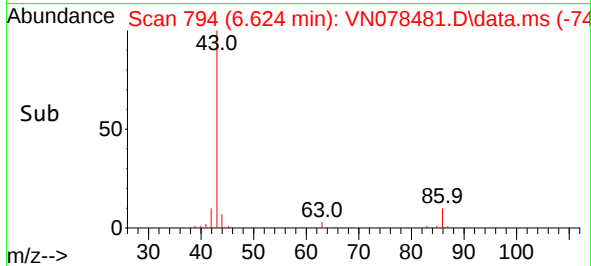
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023



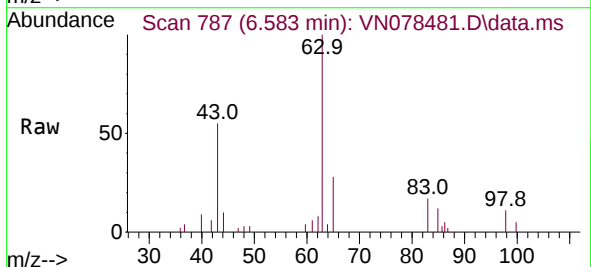
Tgt Ion: 43 Resp: 115900
 Ion Ratio Lower Upper
 43 100
 86 9.5 13.0 19.6

Manual Integrations
 APPROVED

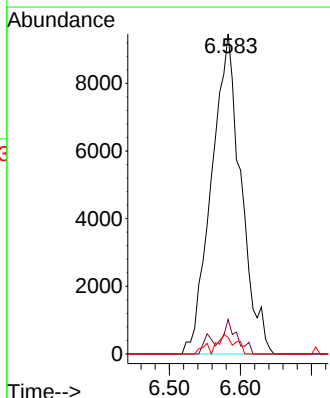
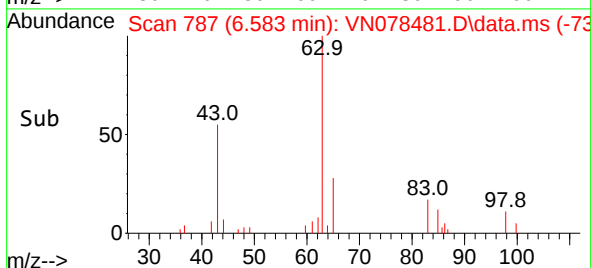
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

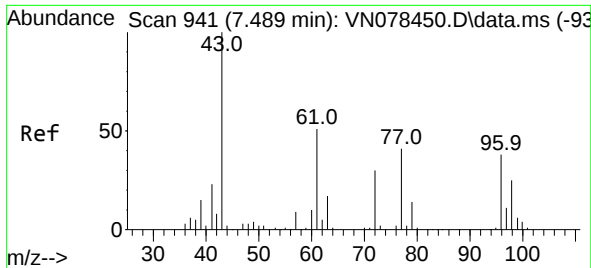


#24
 1,1-Dichloroethane
 Concen: 2.783 ug/l
 RT: 6.583 min Scan# 787
 Delta R.T. 0.006 min
 Lab File: VN078481.D
 Acq: 12 Jul 2023 15:26



Tgt Ion: 63 Resp: 27298
 Ion Ratio Lower Upper
 63 100
 98 10.8 3.9 11.7
 100 5.1 2.5 7.4





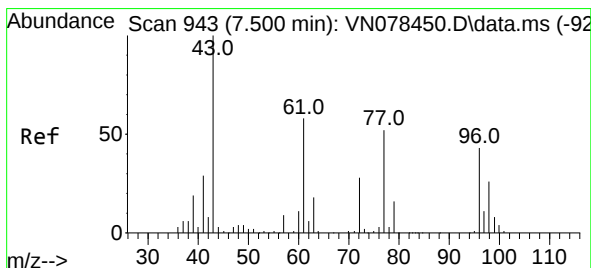
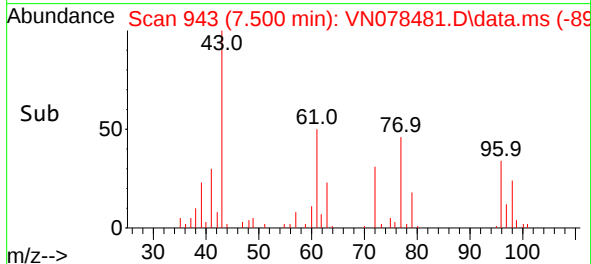
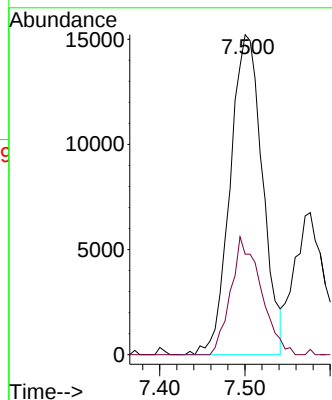
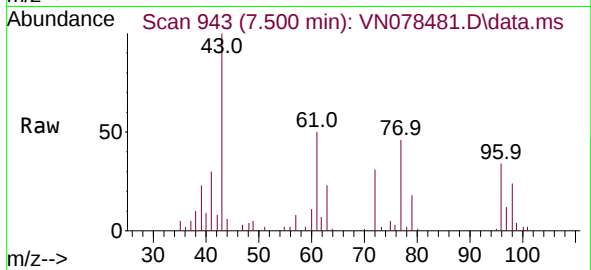
#25
2-Butanone
Concen: 13.531 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.011 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion: 43 Resp: 40104
Ion Ratio Lower Upper
43 100
72 31.4 30.2 45.2

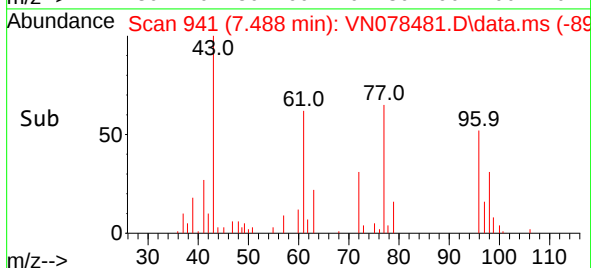
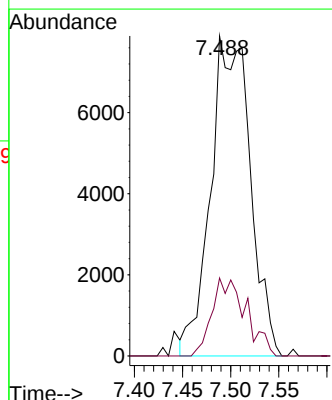
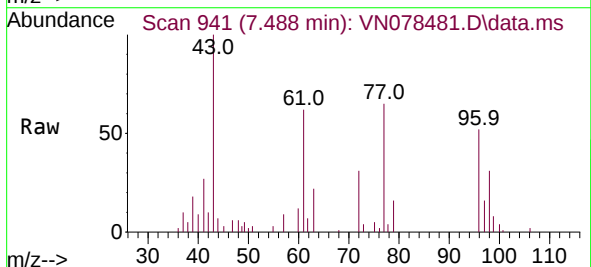
Manual Integrations
APPROVED

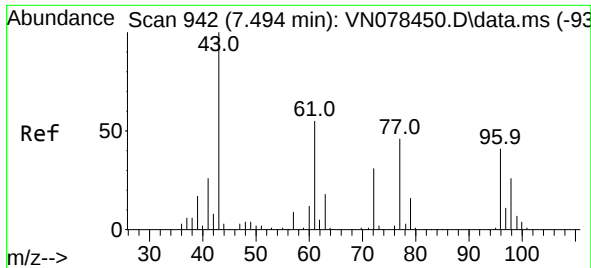
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#26
2,2-Dichloropropane
Concen: 2.806 ug/l m
RT: 7.488 min Scan# 941
Delta R.T. -0.012 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

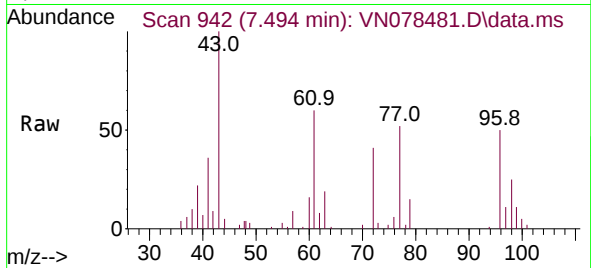
Tgt Ion: 77 Resp: 22514
Ion Ratio Lower Upper
77 100
97 21.0 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 2.738 ug/l
 RT: 7.494 min Scan# 942
 Delta R.T. 0.000 min
 Lab File: VN078481.D
 Acq: 12 Jul 2023 15:26

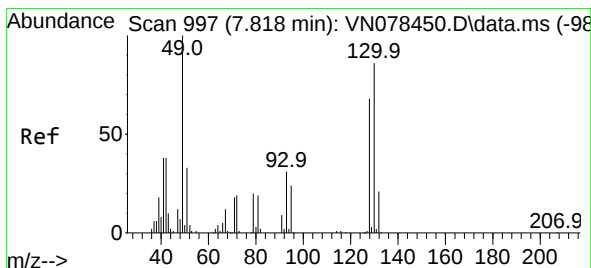
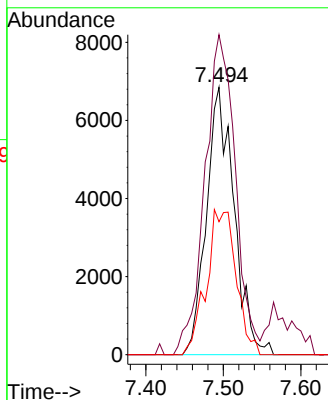
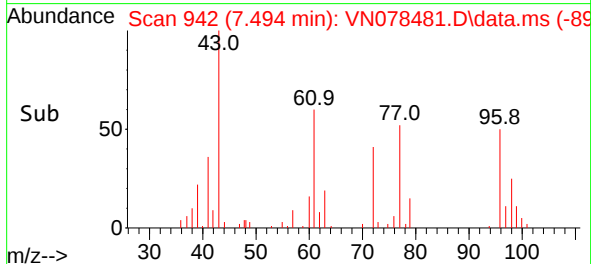
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023



Tgt Ion: 96 Resp: 16978
 Ion Ratio Lower Upper
 96 100
 61 132.1 0.0 255.2
 98 58.2 0.0 128.8

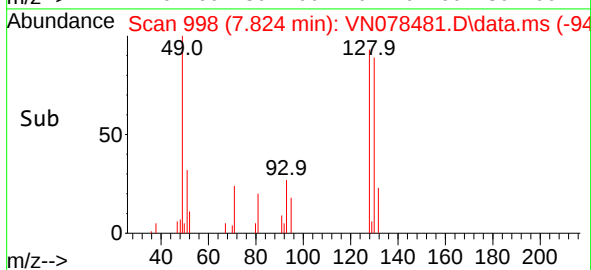
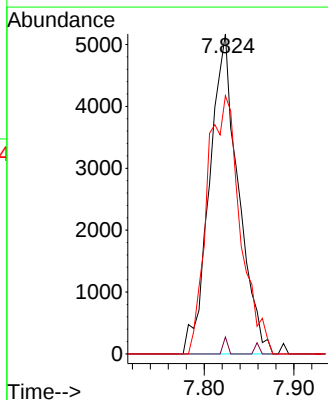
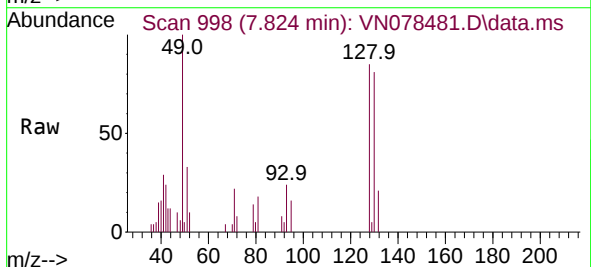
Manual Integrations
 APPROVED

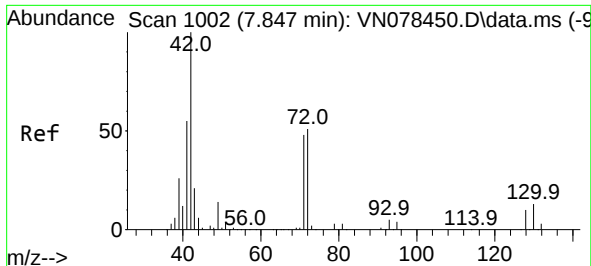
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023



#28
 Bromochloromethane
 Concen: 2.493 ug/l
 RT: 7.824 min Scan# 998
 Delta R.T. 0.006 min
 Lab File: VN078481.D
 Acq: 12 Jul 2023 15:26

Tgt Ion: 49 Resp: 11519
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 4.8
 130 92.9 75.3 112.9





#29

Tetrahydrofuran

Concen: 12.706 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.006 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

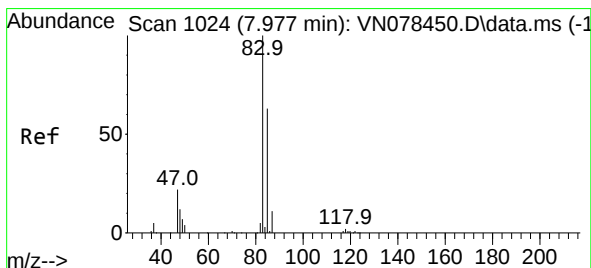
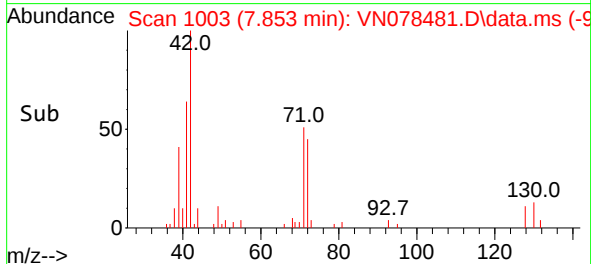
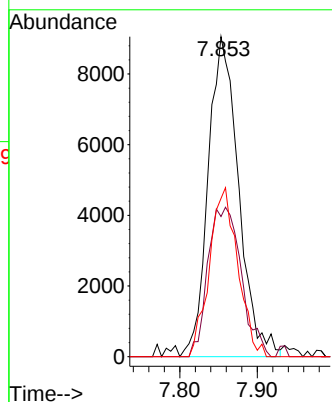
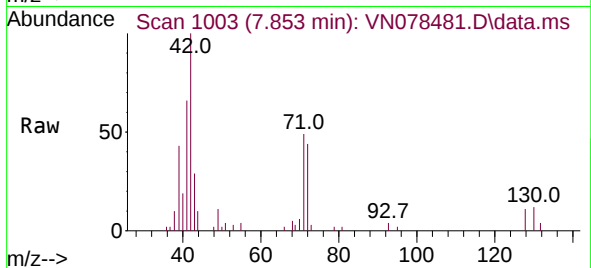
Tgt Ion:	42	Resp:	2471
Ion Ratio	Lower	Upper	
42	100		
72	51.3	49.8	74.6
71	49.3	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#30

Chloroform

Concen: 2.859 ug/l

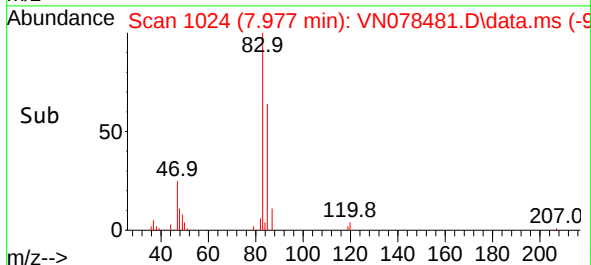
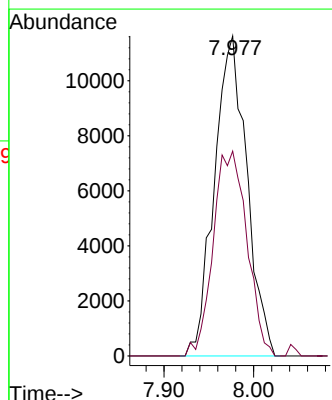
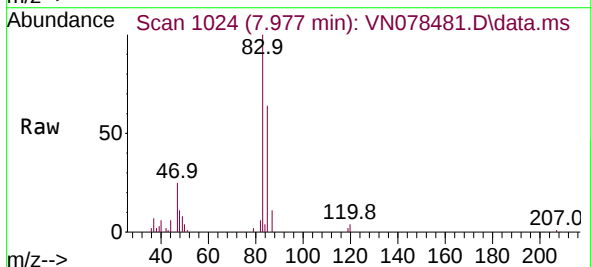
RT: 7.977 min Scan# 1024

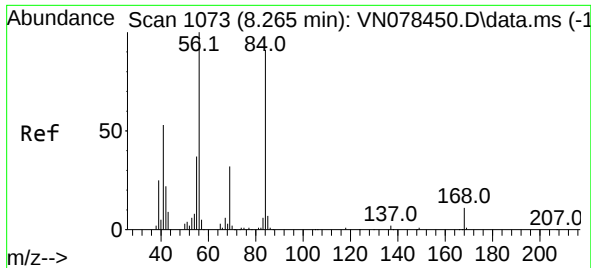
Delta R.T. -0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

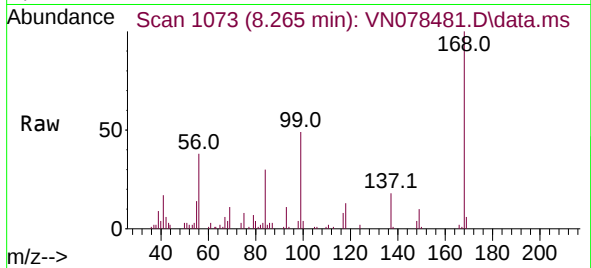
Tgt Ion:	83	Resp:	29199
Ion Ratio	Lower	Upper	
83	100		
85	64.0	55.4	83.0





#31
Cyclohexane
Concen: 3.651 ug/l
RT: 8.265 min Scan# 1073
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

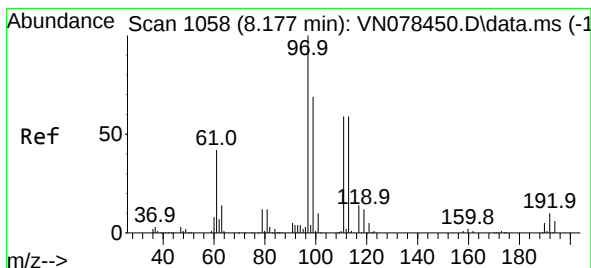
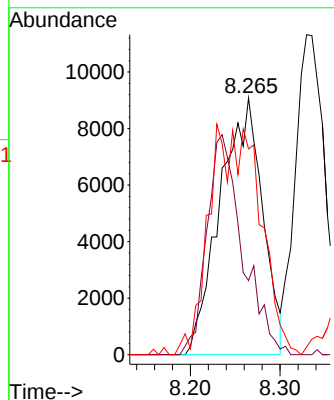
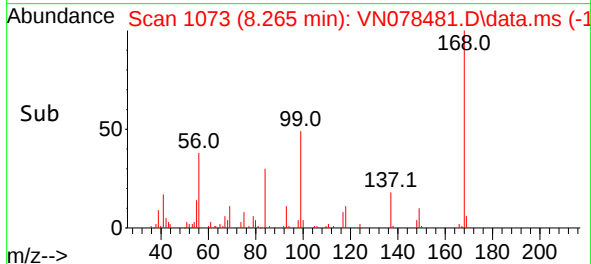
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 56 Resp: 29824
Ion Ratio Lower Upper
56 100
69 28.9 26.8 40.2
84 76.3 81.8 122.6

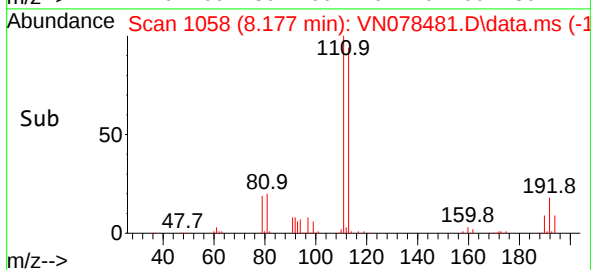
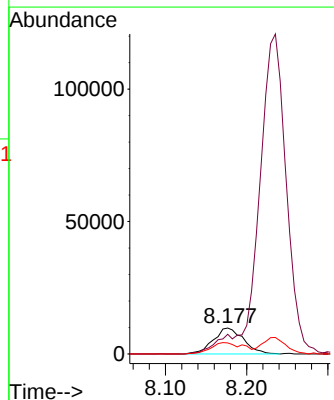
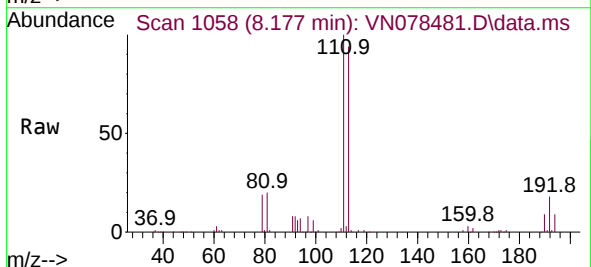
Manual Integrations
APPROVED

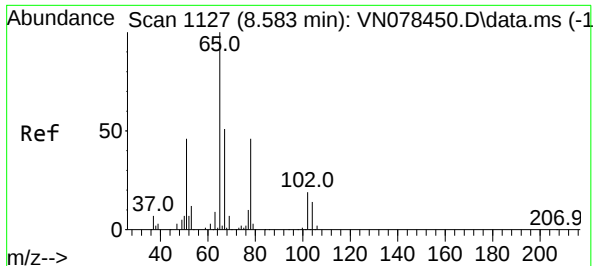
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#32
1,1,1-Trichloroethane
Concen: 2.773 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion: 97 Resp: 25389
Ion Ratio Lower Upper
97 100
99 45.9 50.3 75.5#
61 46.5 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 55.854 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 65 Resp: 33760

Ion Ratio Lower Upper

65 100

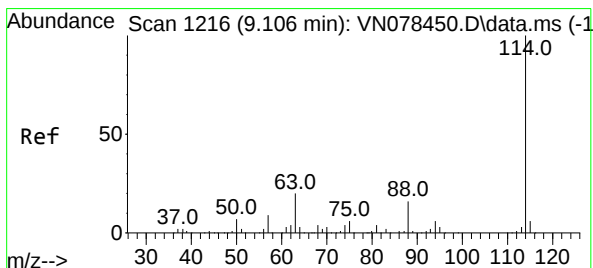
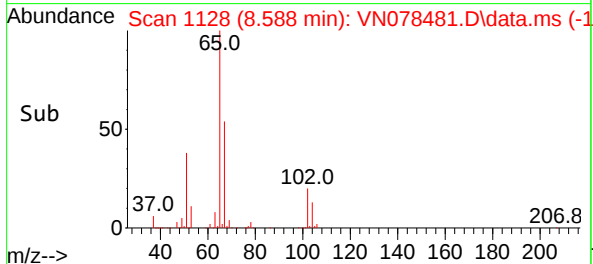
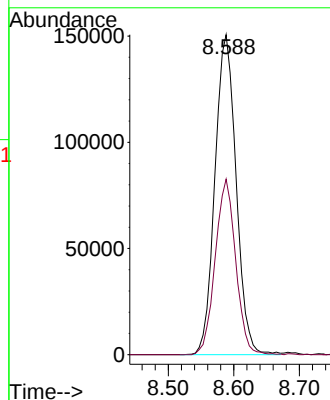
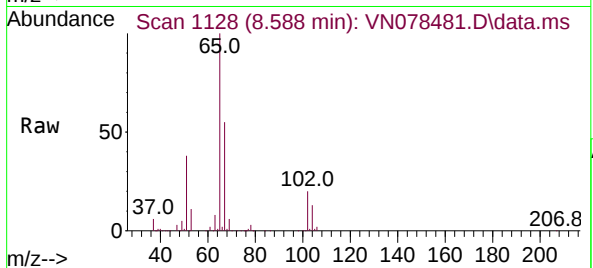
67 53.0 0.0 106.6

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: VN078481.D

Acq: 12 Jul 2023 15:26

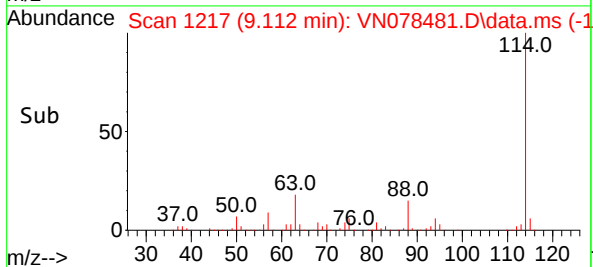
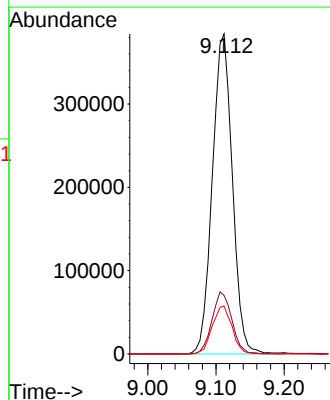
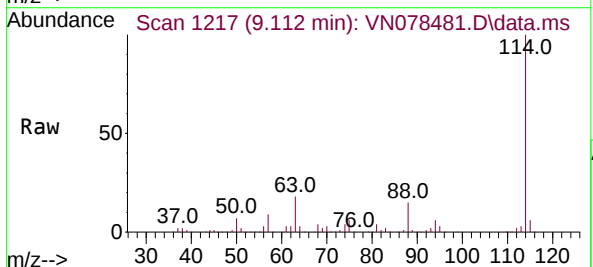
Tgt Ion:114 Resp: 784831

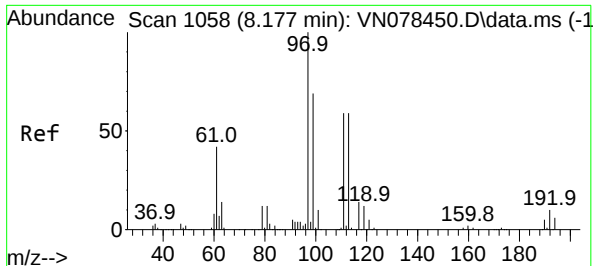
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.4

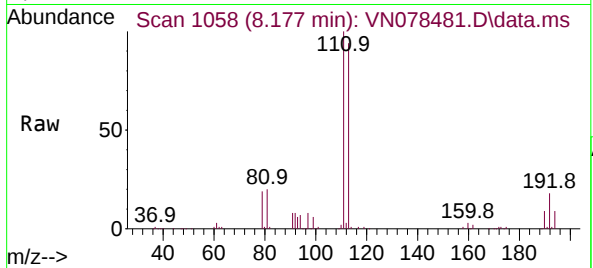
88 15.0 0.0 30.6





#35
Dibromofluoromethane
Concen: 54.154 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

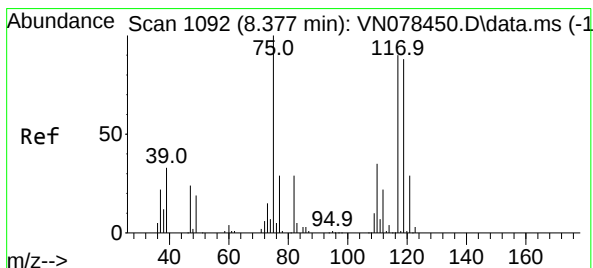
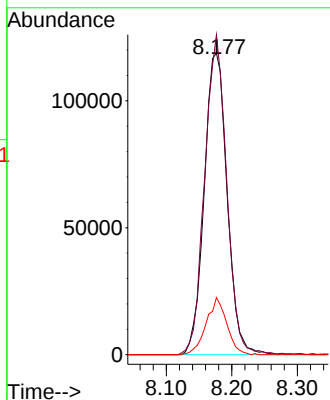
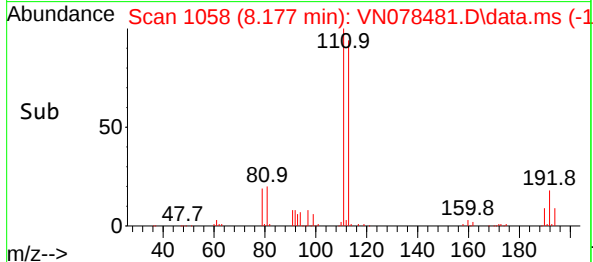
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 113 Resp: 288514
Ion Ratio Lower Upper
113 100
111 102.0 82.6 123.8
192 17.1 12.7 19.1

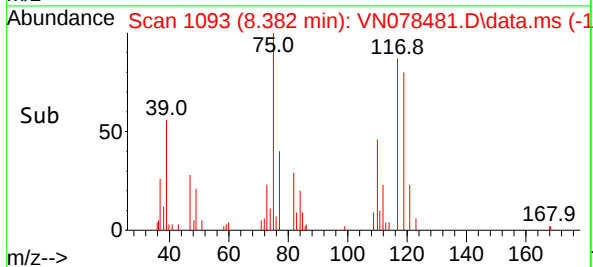
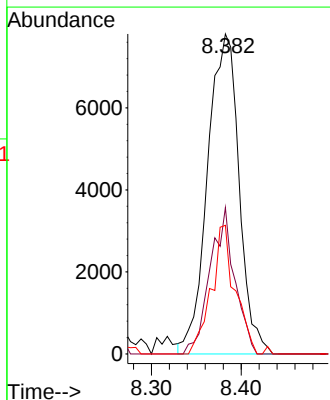
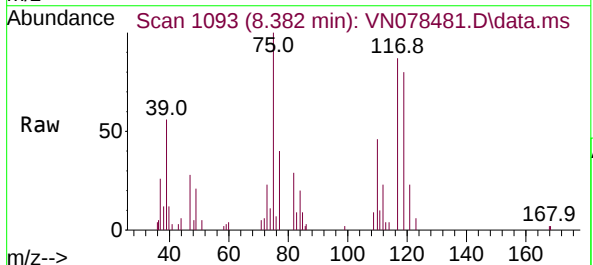
Manual Integrations
APPROVED

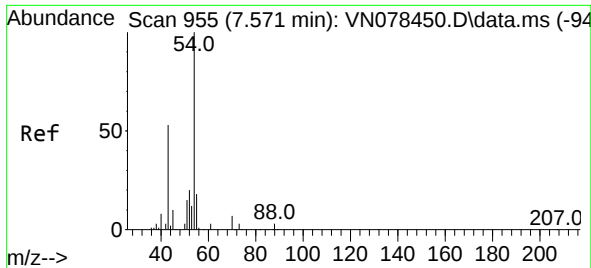
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#36
1,1-Dichloropropene
Concen: 2.467 ug/l
RT: 8.382 min Scan# 1093
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion: 75 Resp: 18975
Ion Ratio Lower Upper
75 100
110 36.0 19.1 57.3
77 30.4 25.0 37.4





#37

Ethyl Acetate

Concen: 2.716 ug/l

RT: 7.577 min Scan# 955

Delta R.T. 0.006 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

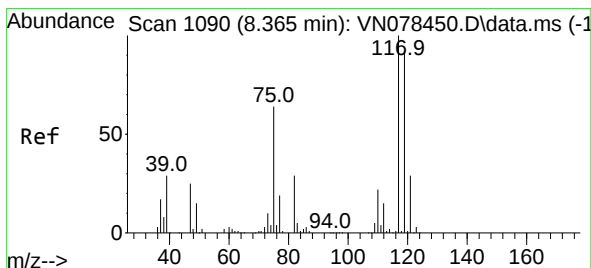
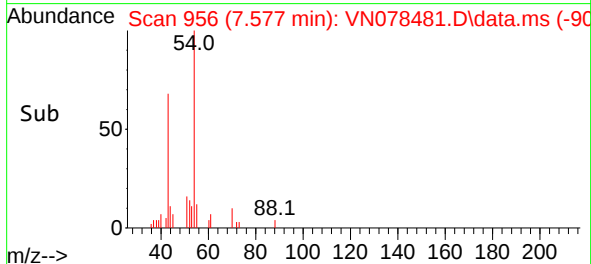
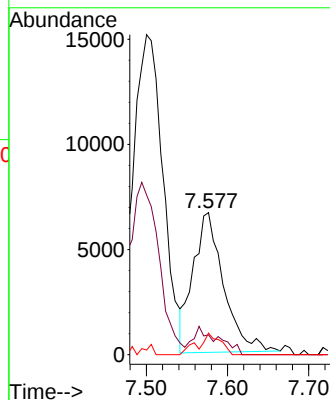
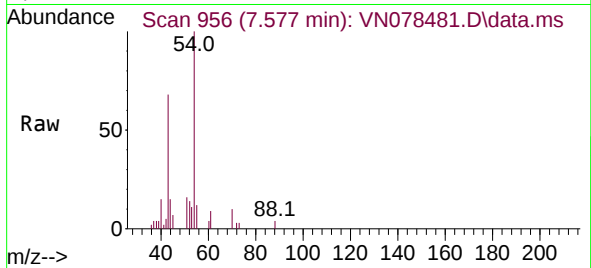
Tgt Ion:	43	Resp:	17418
Ion Ratio	Lower	Upper	
43	100		
61	16.5	13.2	19.8
70	11.1	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#38

Carbon Tetrachloride

Concen: 2.553 ug/l

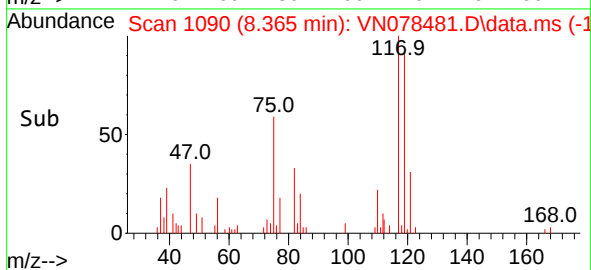
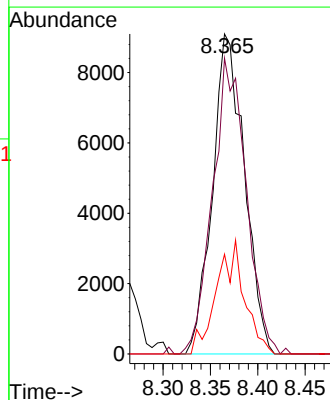
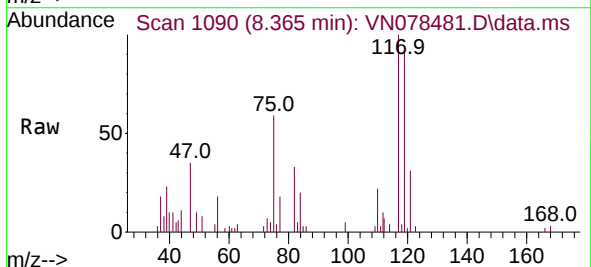
RT: 8.365 min Scan# 1090

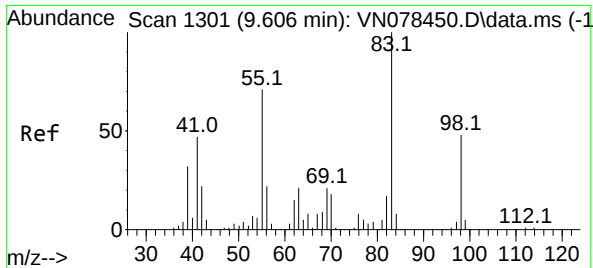
Delta R.T. -0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Tgt Ion:	117	Resp:	21349
Ion Ratio	Lower	Upper	
117	100		
119	92.4	77.3	115.9
121	31.1	23.3	34.9





#39

Methylcyclohexane

Concen: 2.571 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

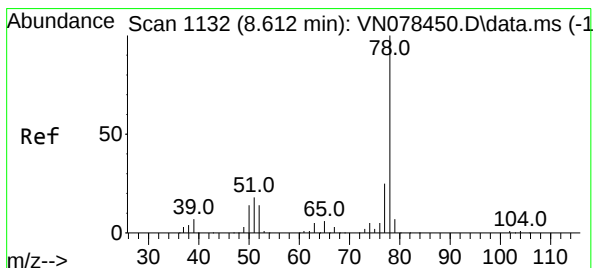
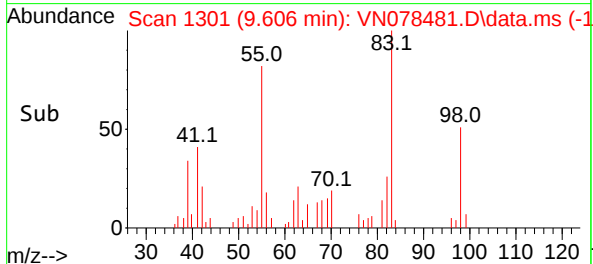
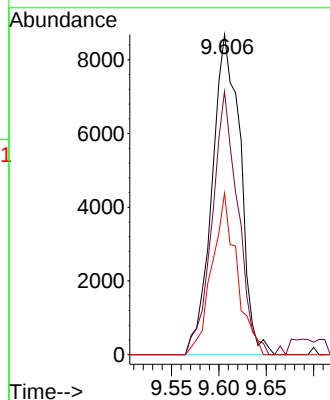
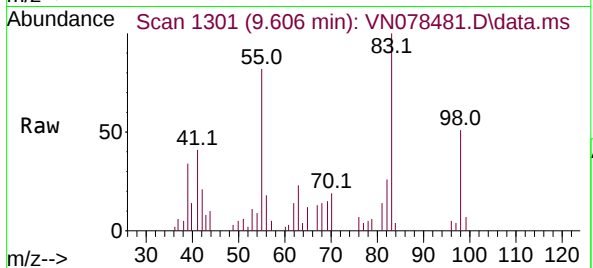
Tgt Ion: 83	Resp: 18054
Ion Ratio	Lower Upper
83 100	
55 82.3	49.1 73.7
98 50.5	40.6 61.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#40

Benzene

Concen: 2.608 ug/l

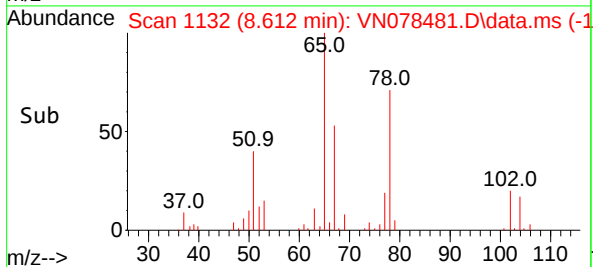
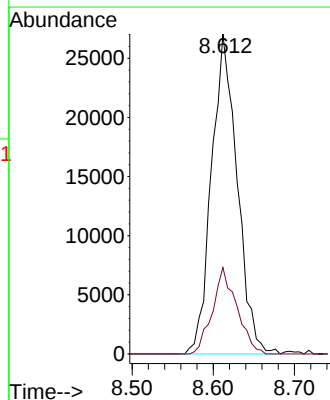
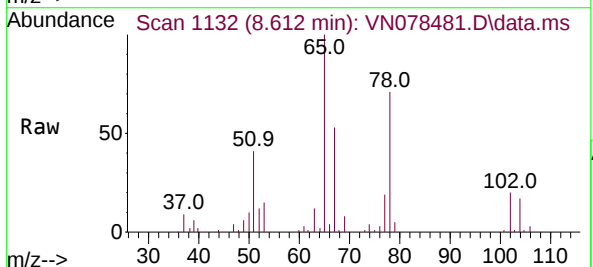
RT: 8.612 min Scan# 1132

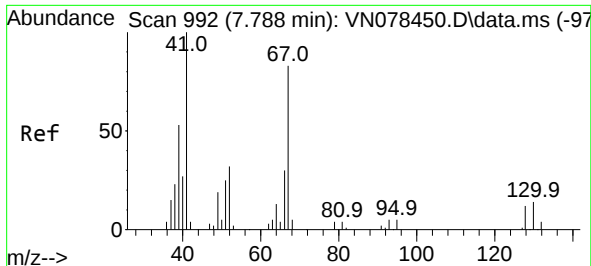
Delta R.T. -0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

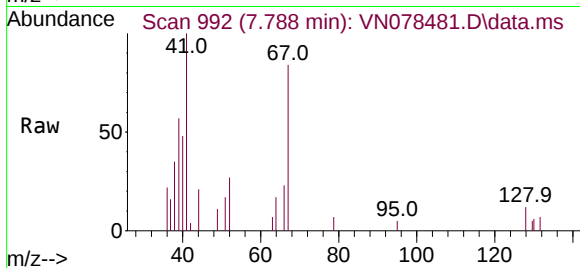
Tgt Ion: 78	Resp: 59438
Ion Ratio	Lower Upper
78 100	
77 27.0	19.0 28.6





#41
Methacrylonitrile
Concen: 2.723 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

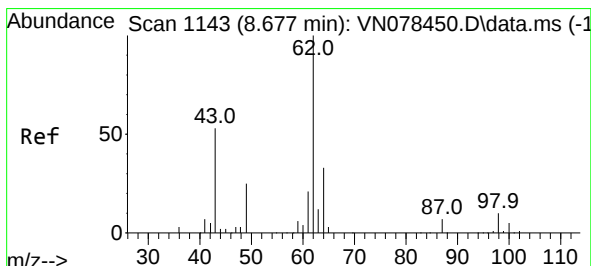
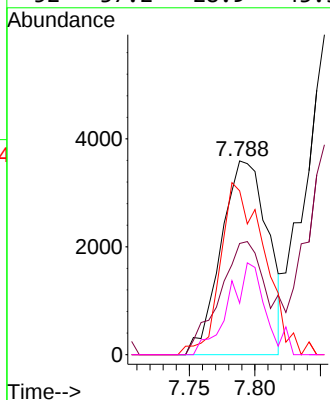
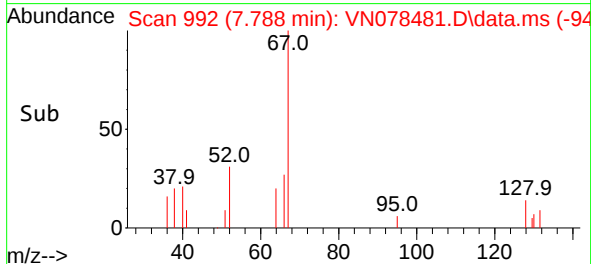
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 41 Resp: 890
Ion Ratio Lower Upper
41 100
39 61.8 42.6 64.0
67 83.7 77.5 116.3
52 37.2 28.9 43.3

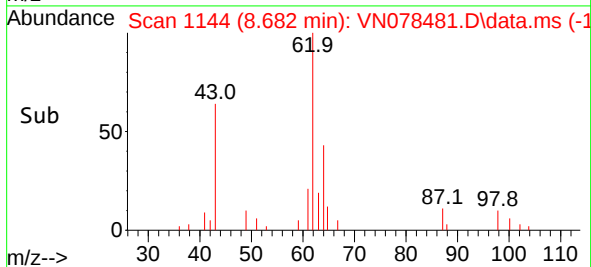
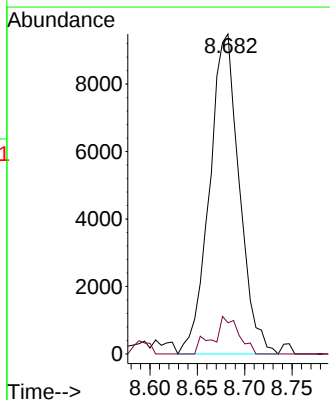
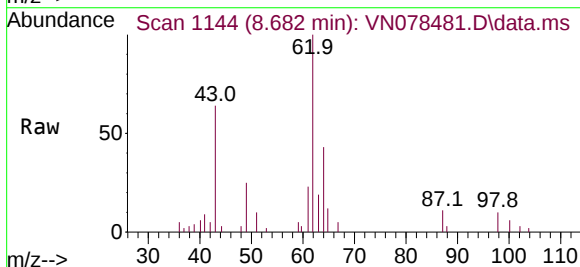
Manual Integrations
APPROVED

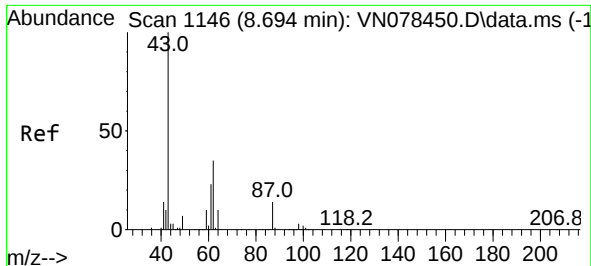
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#42
1,2-Dichloroethane
Concen: 2.685 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

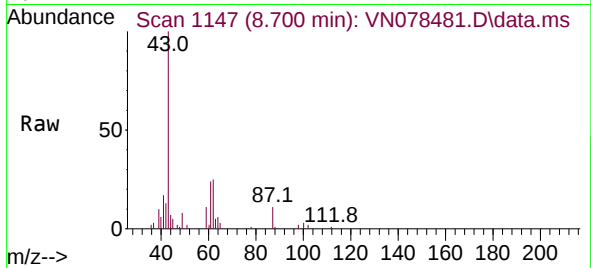
Tgt Ion: 62 Resp: 20812
Ion Ratio Lower Upper
62 100
98 10.0 0.0 19.8





#43
Isopropyl Acetate
Concen: 2.700 ug/l
RT: 8.700 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

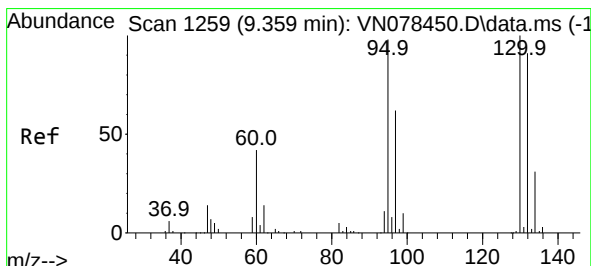
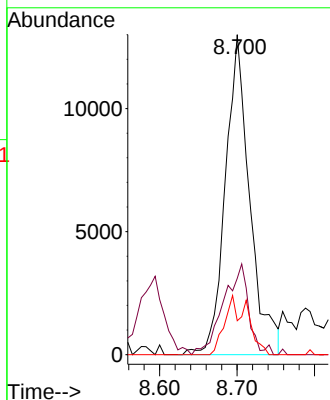
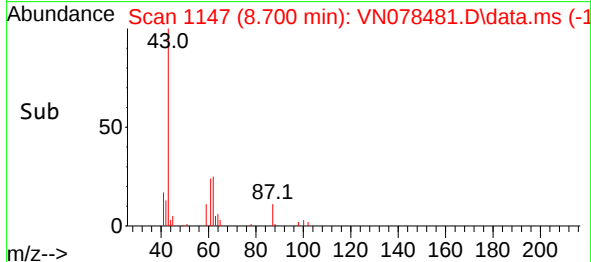
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



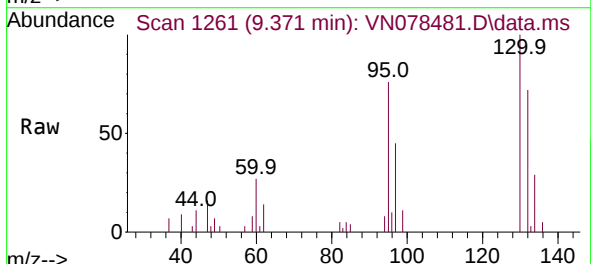
Tgt Ion: 43 Resp: 2850
Ion Ratio Lower Upper
43 100
61 29.5 24.7 37.1
87 17.2 14.6 21.8

Manual Integrations
APPROVED

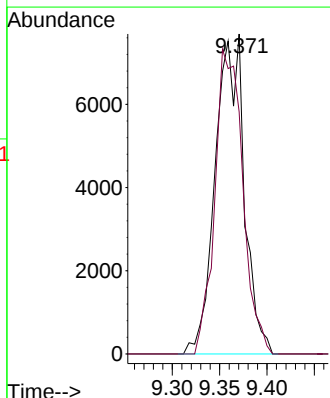
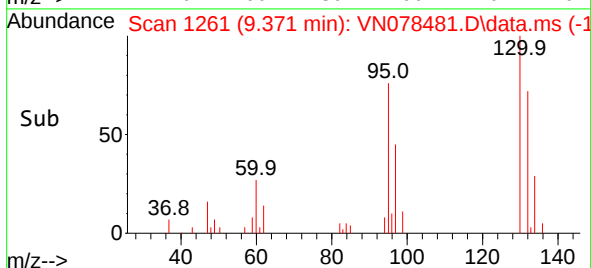
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

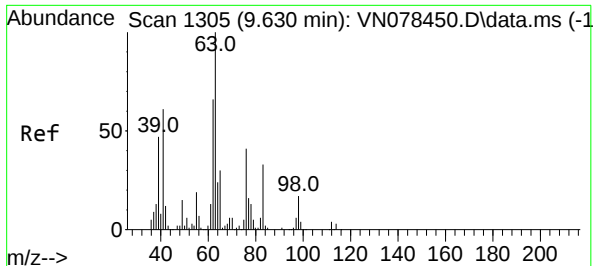


#44
Trichloroethene
Concen: 2.647 ug/l
RT: 9.371 min Scan# 1261
Delta R.T. 0.012 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26



Tgt Ion:130 Resp: 16262
Ion Ratio Lower Upper
130 100
95 75.6 0.0 204.6





#45

1,2-Dichloropropane

Concen: 2.769 ug/l

RT: 9.635 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 63 Resp: 15984

Ion Ratio Lower Upper

63 100

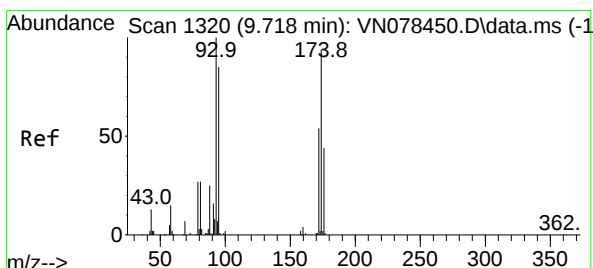
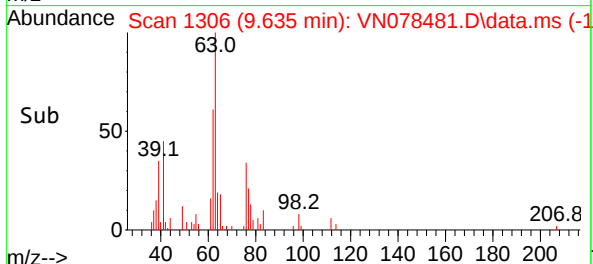
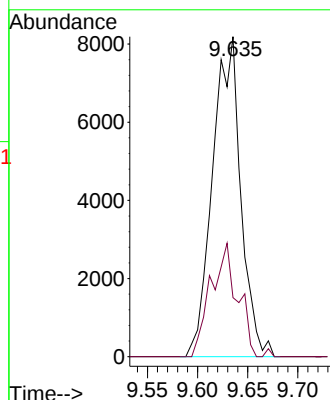
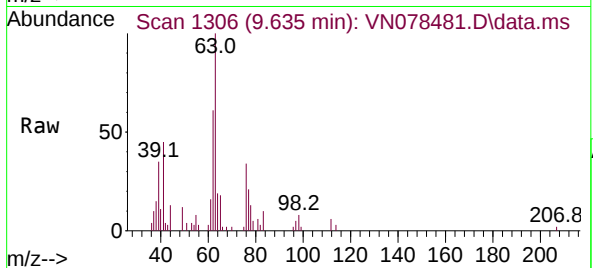
65 18.4 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#46

Dibromomethane

Concen: 2.560 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. -0.006 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

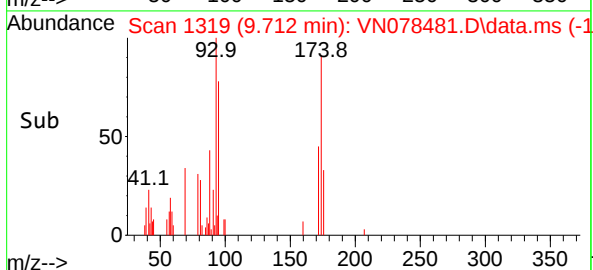
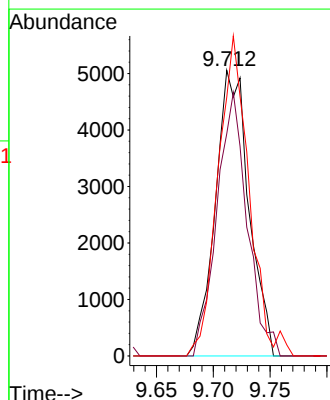
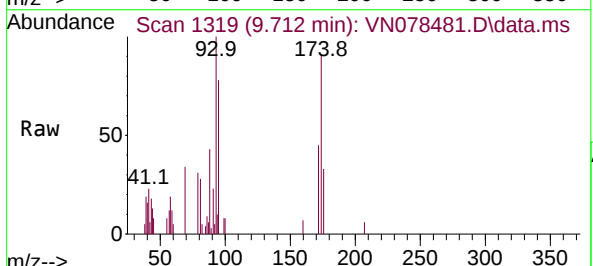
Tgt Ion: 93 Resp: 10399

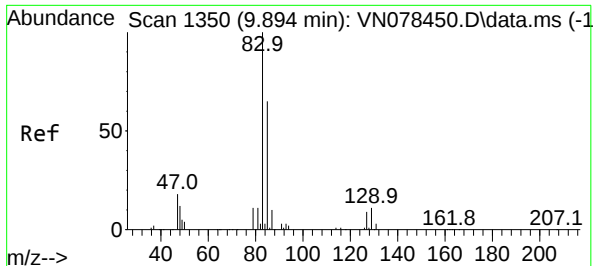
Ion Ratio Lower Upper

93 100

95 83.1 63.8 95.8

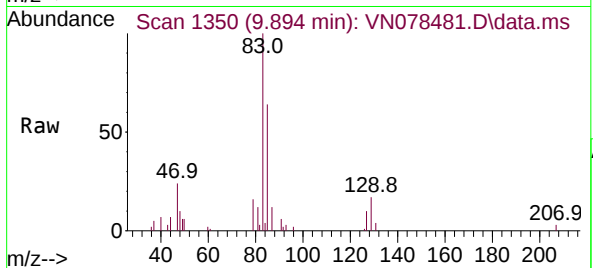
174 103.8 65.6 98.4





#47
Bromodichloromethane
Concen: 2.632 ug/l
RT: 9.894 min Scan# 1350
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

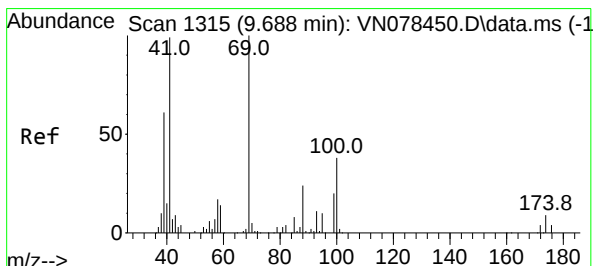
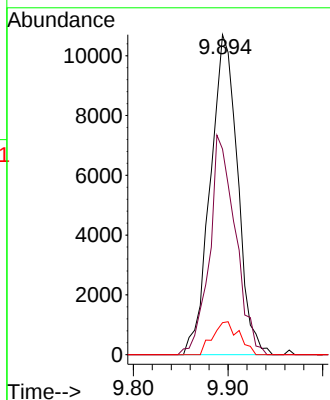
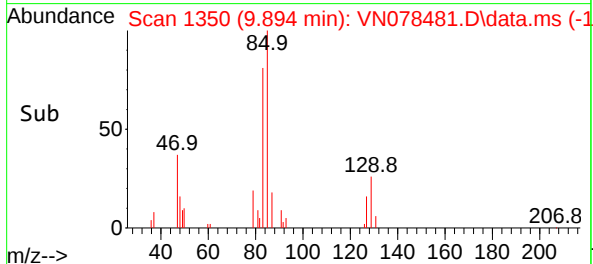
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 83 Resp: 21435
Ion Ratio Lower Upper
83 100
85 64.3 49.6 74.4
127 10.0 7.0 10.6

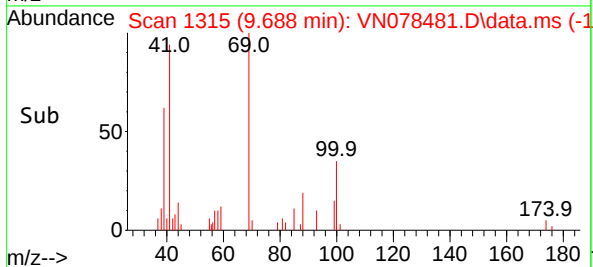
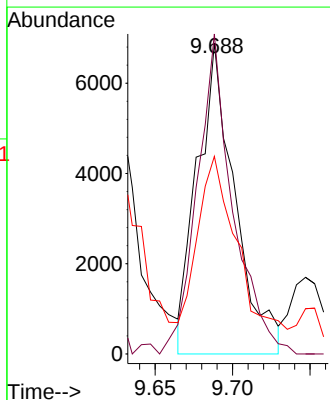
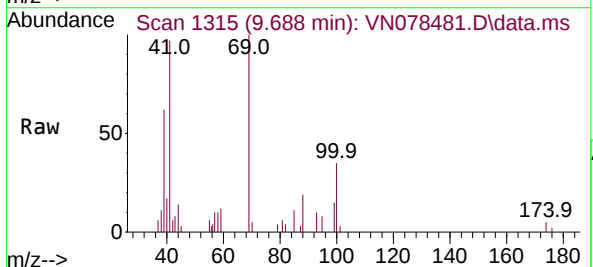
Manual Integrations
APPROVED

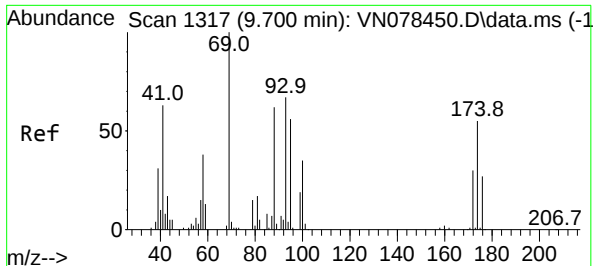
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#48
Methyl methacrylate
Concen: 2.380 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion: 41 Resp: 11642
Ion Ratio Lower Upper
41 100
69 98.0 90.4 135.6
39 73.2 54.6 81.8





#49

1,4-Dioxane

Concen: 51.420 ug/l

RT: 9.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN078481.D

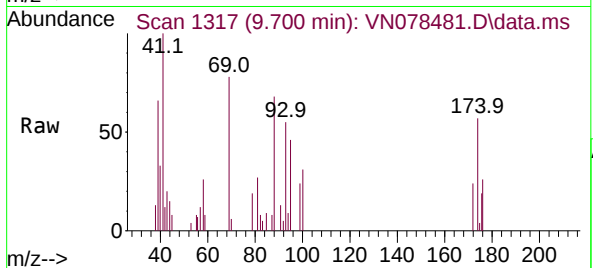
Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

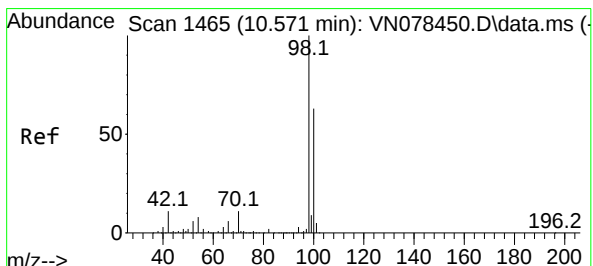
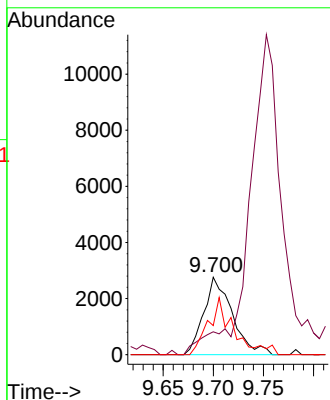
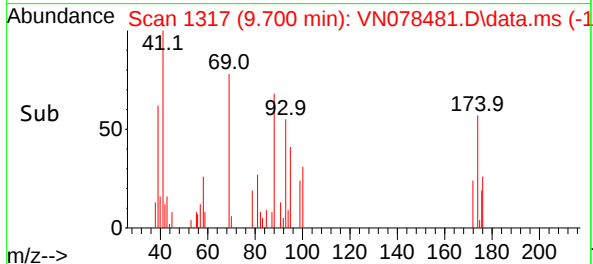


Tgt Ion:	88	Resp:	548
Ion Ratio	Lower	Upper	
88	100		
43	0.0	17.0	25.6
58	59.5	47.0	70.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#50

Toluene-d8

Concen: 52.398 ug/l

RT: 10.576 min Scan# 1466

Delta R.T. 0.005 min

Lab File: VN078481.D

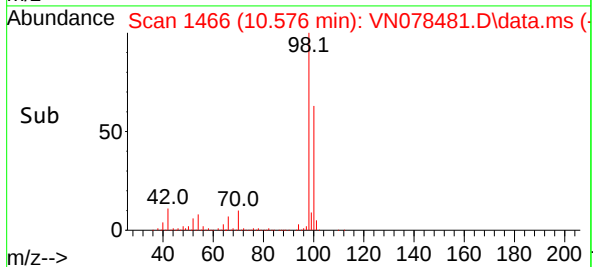
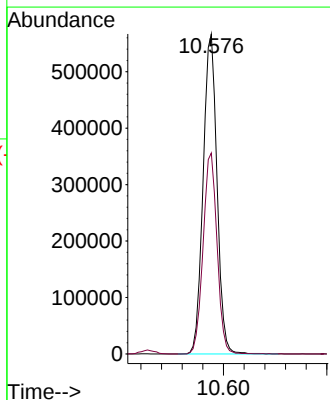
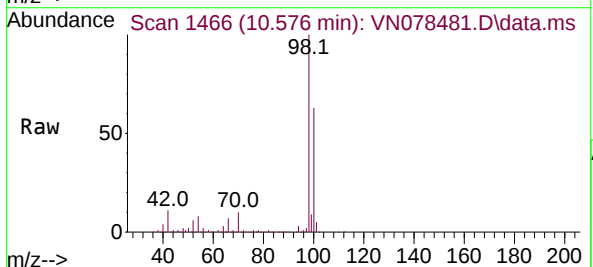
Acq: 12 Jul 2023 15:26

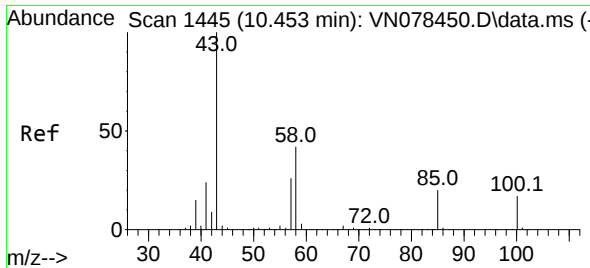
Tgt Ion: 98 Resp: 1054582

Ion Ratio Lower Upper

98 100

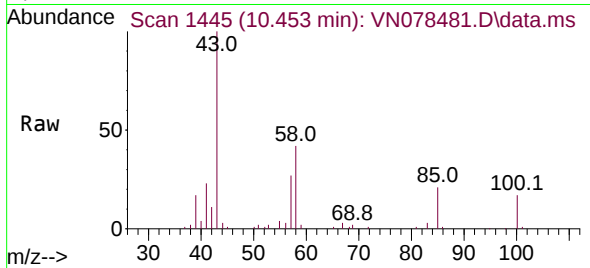
100 63.1 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 12.407 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

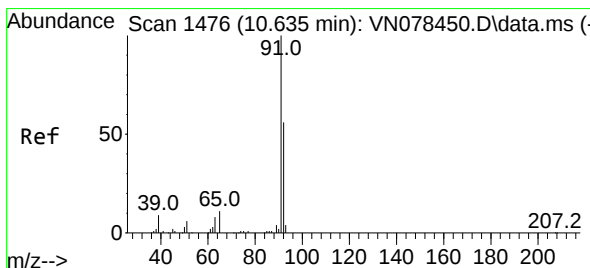
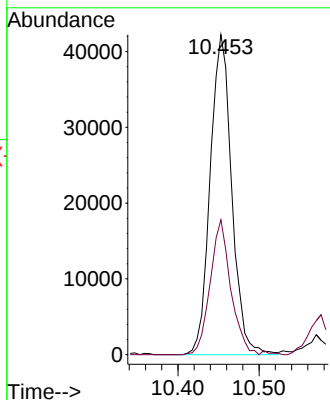
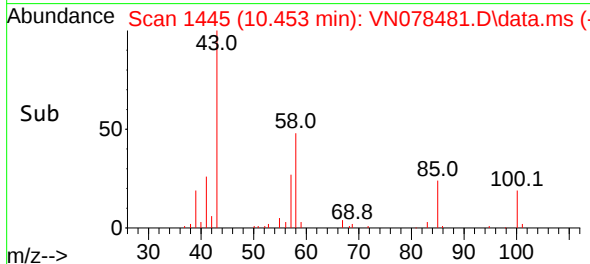
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



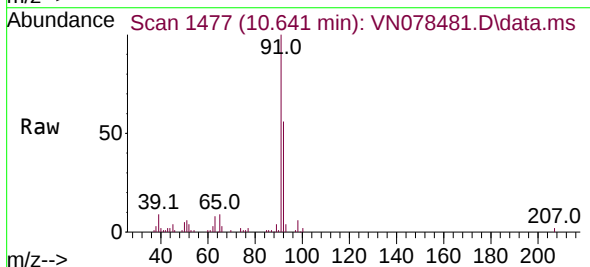
Tgt Ion: 43 Resp: 77914
Ion Ratio Lower Upper
43 100
58 40.1 36.6 54.8

Manual Integrations
APPROVED

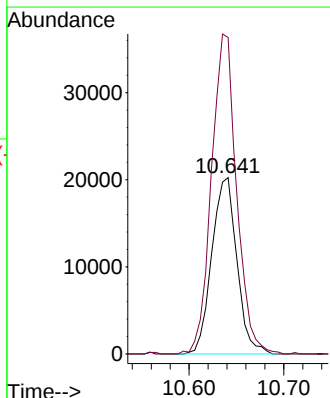
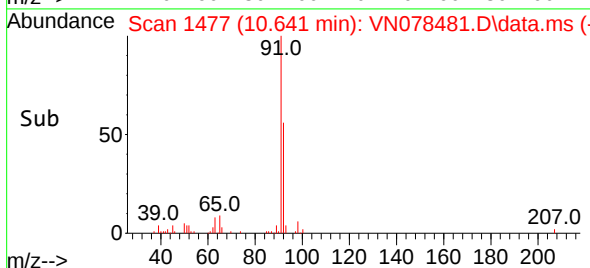
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

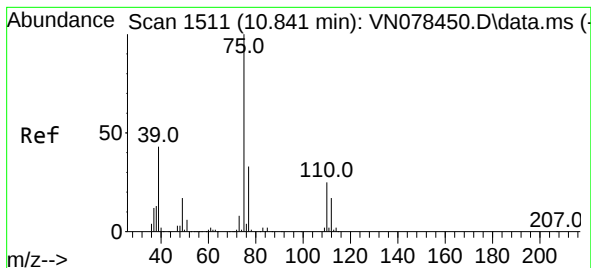


#52
Toluene
Concen: 2.639 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26



Tgt Ion: 92 Resp: 37276
Ion Ratio Lower Upper
92 100
91 182.0 137.4 206.0





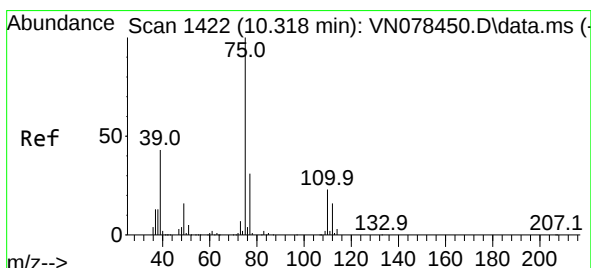
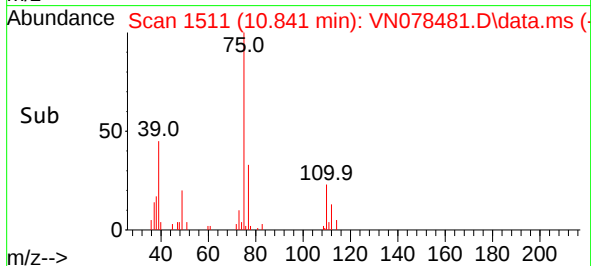
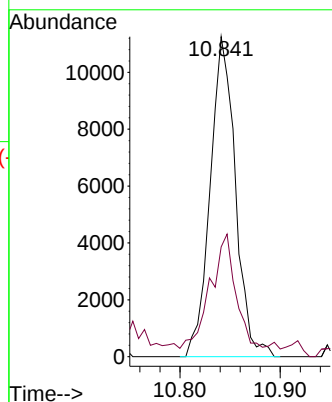
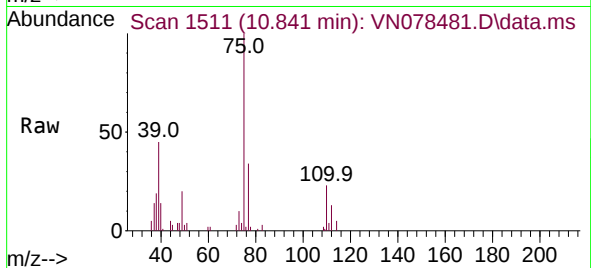
#53
t-1,3-Dichloropropene
Concen: 2.359 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion: 75 Resp: 1968
Ion Ratio Lower Upper
75 100
77 31.9 25.4 38.0

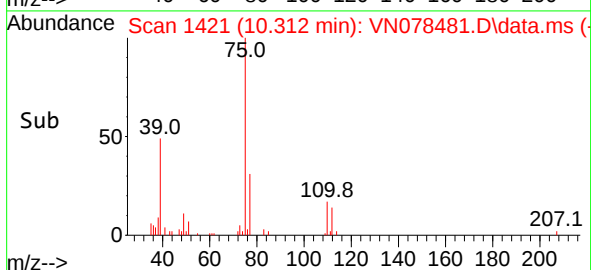
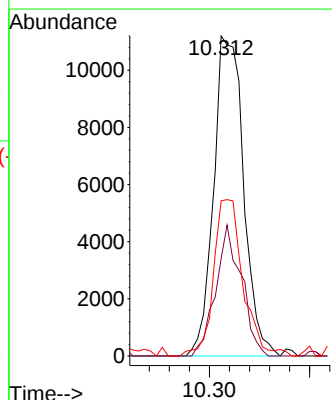
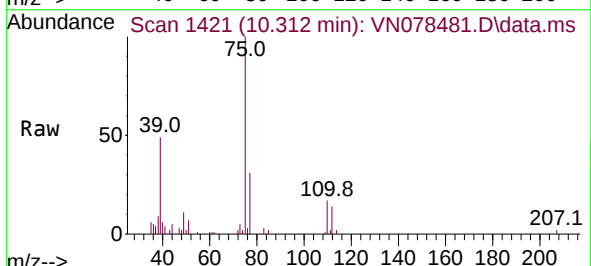
Manual Integrations
APPROVED

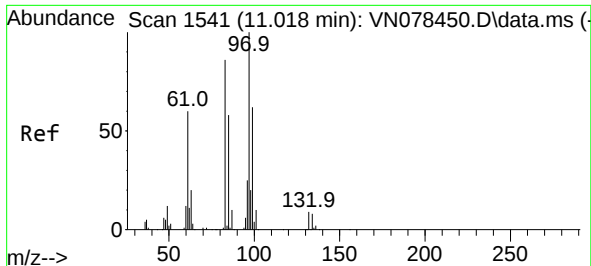
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#54
cis-1,3-Dichloropropene
Concen: 2.607 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

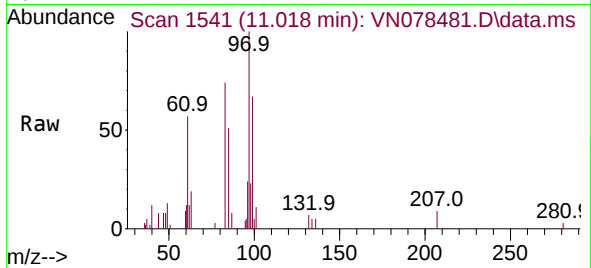
Tgt Ion: 75 Resp: 23187
Ion Ratio Lower Upper
75 100
77 30.5 26.1 39.1
39 48.5 31.6 47.4#





#55
1,1,2-Trichloroethane
Concen: 2.722 ug/l
RT: 11.018 min Scan# 1514
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

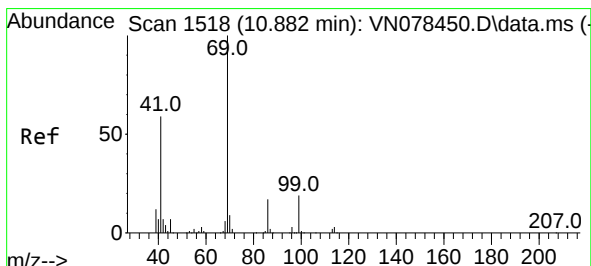
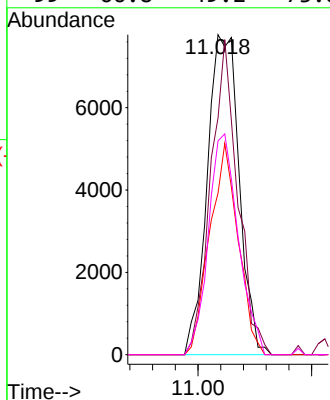
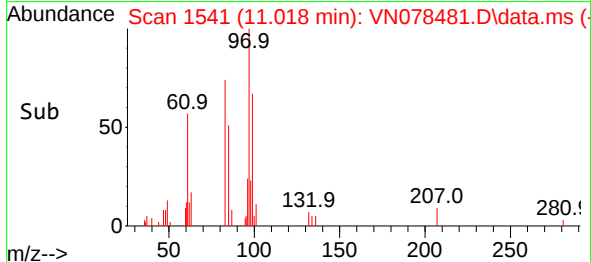
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



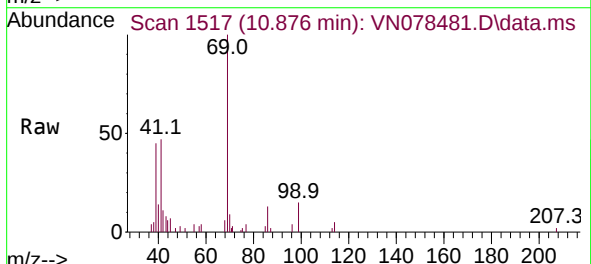
Tgt Ion	Ratio	Lower	Upper
97	100		
83	74.0	65.1	97.7
85	50.5	43.4	65.2
99	66.8	49.2	73.8

Manual Integrations
APPROVED

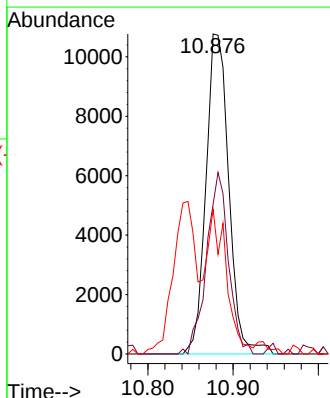
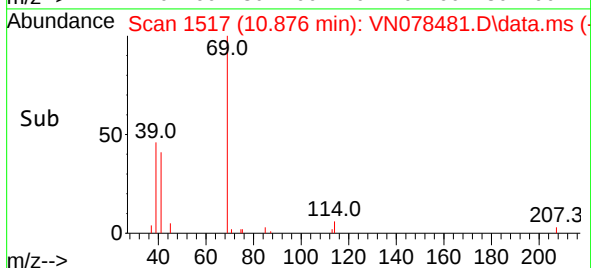
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

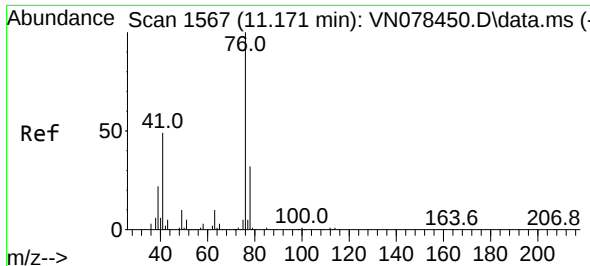


#56
Ethyl methacrylate
Concen: 2.586 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26



Tgt Ion	Ratio	Lower	Upper
69	100		
41	54.2	39.6	59.4
39	36.6	28.6	43.0





#57

1,3-Dichloropropane

Concen: 2.645 ug/l

RT: 11.170 min Scan# 11

Delta R.T. -0.001 min

Lab File: VN078481.D

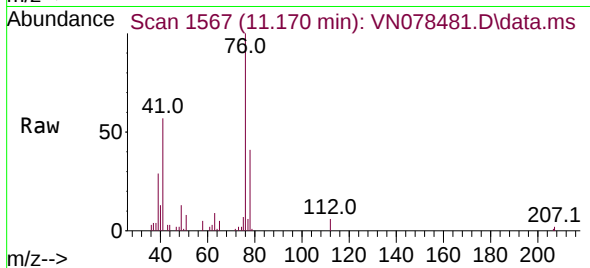
Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023



Tgt Ion: 76 Resp: 25024

Ion Ratio Lower Upper

76 100

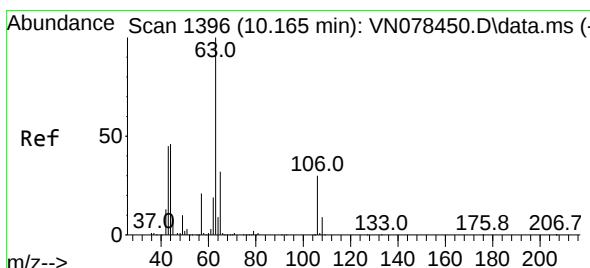
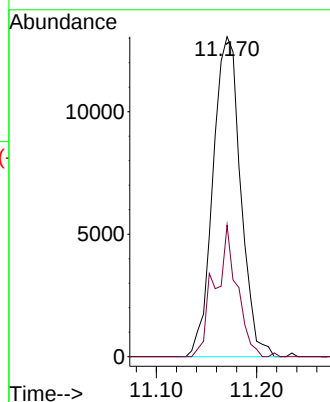
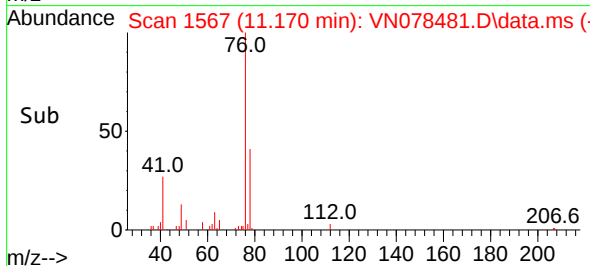
78 33.1 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#58

2-Chloroethyl Vinyl ether

Concen: 10.731 ug/l

RT: 10.171 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VN078481.D

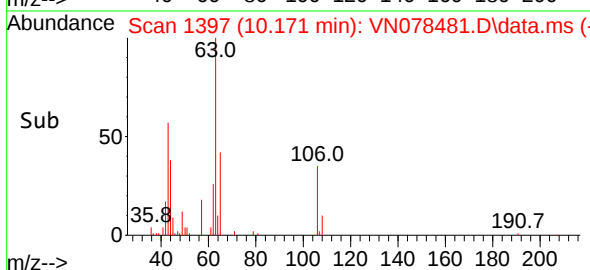
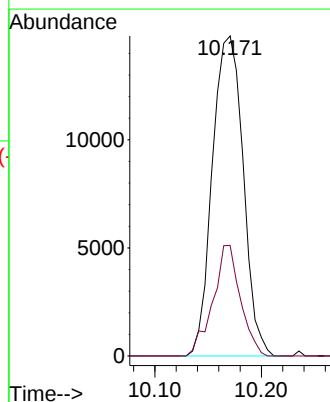
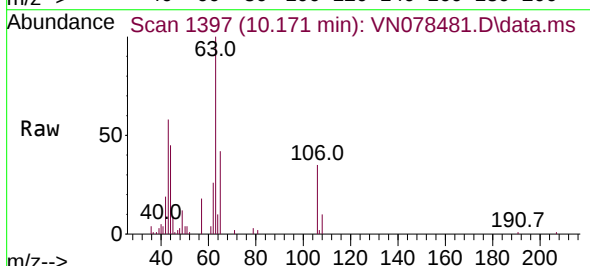
Acq: 12 Jul 2023 15:26

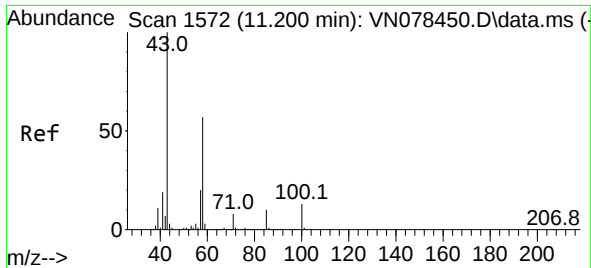
Tgt Ion: 63 Resp: 29751

Ion Ratio Lower Upper

63 100

106 30.8 26.2 39.4





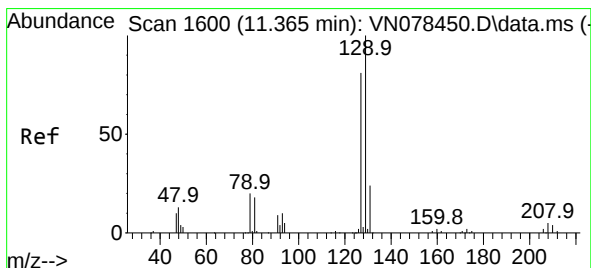
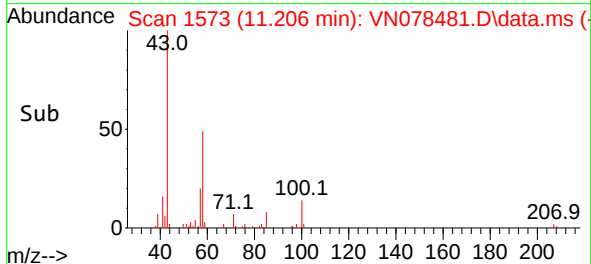
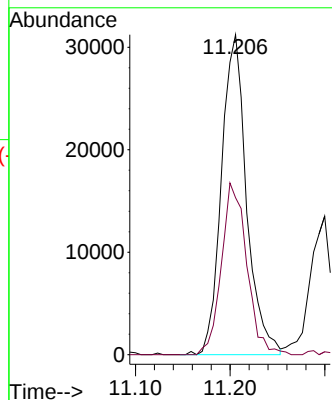
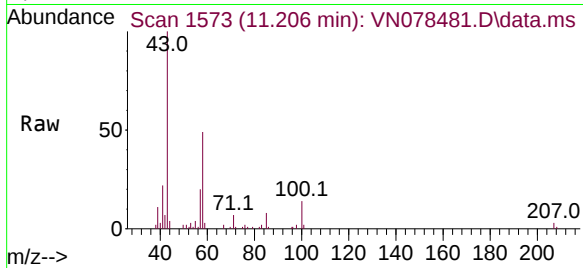
#59
2-Hexanone
Concen: 12.896 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion: 43 Resp: 57550
Ion Ratio Lower Upper
43 100
58 54.2 31.7 95.1

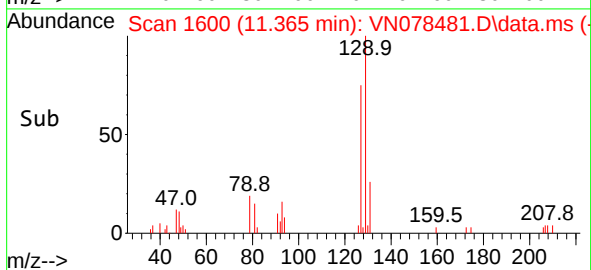
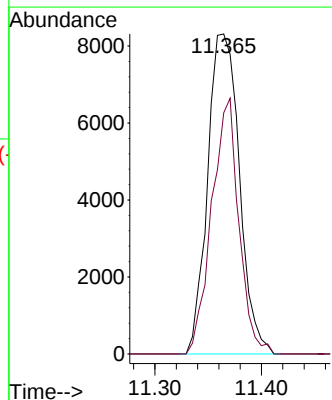
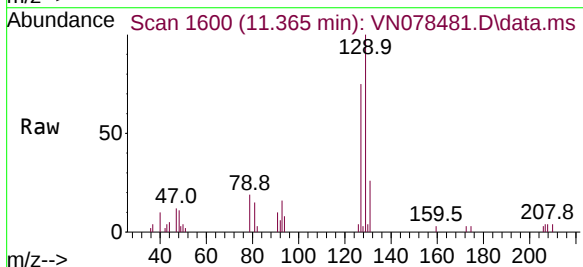
Manual Integrations
APPROVED

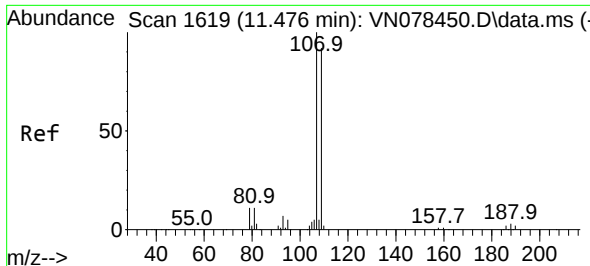
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#60
Dibromochloromethane
Concen: 2.802 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

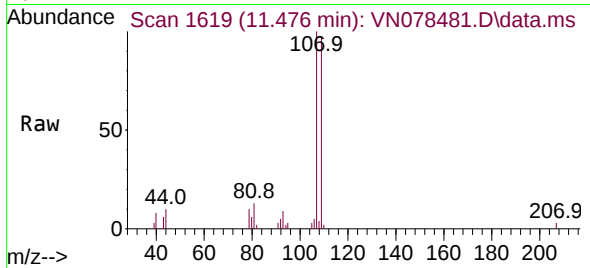
Tgt Ion:129 Resp: 17217
Ion Ratio Lower Upper
129 100
127 68.3 38.6 116.0





#61
1,2-Dibromoethane
Concen: 2.599 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

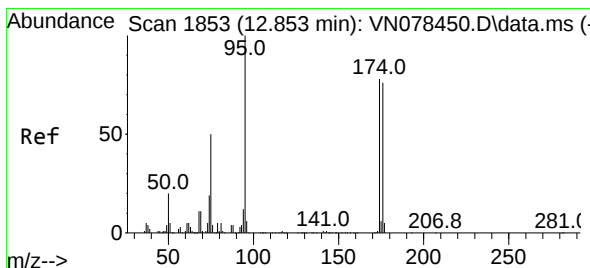
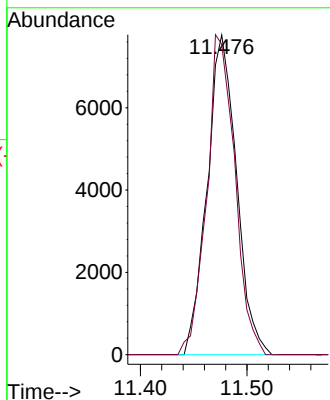
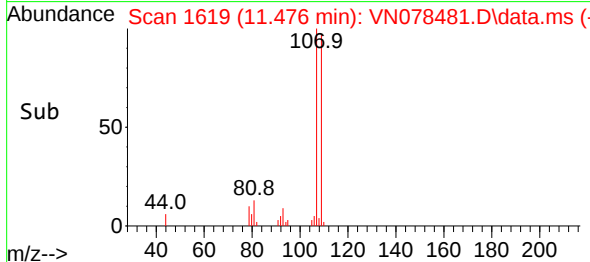
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



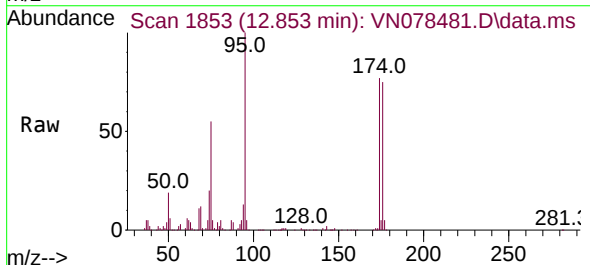
Tgt Ion: 107 Resp: 1490
Ion Ratio Lower Upper
107 100
109 95.7 76.6 114.8

Manual Integrations
APPROVED

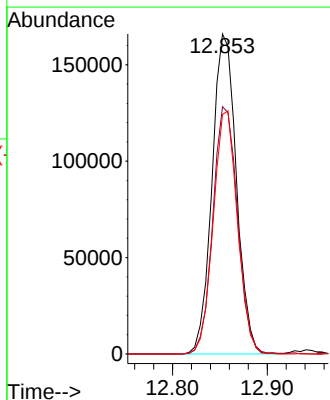
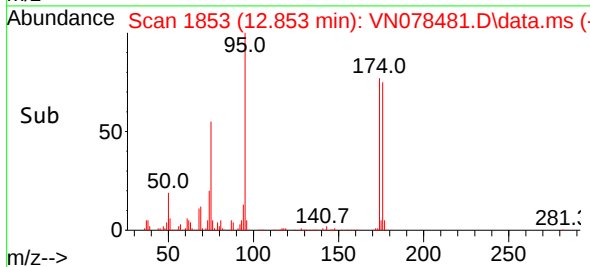
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

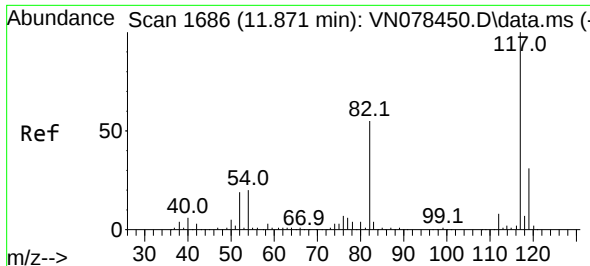


#62
4-Bromofluorobenzene
Concen: 47.825 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26



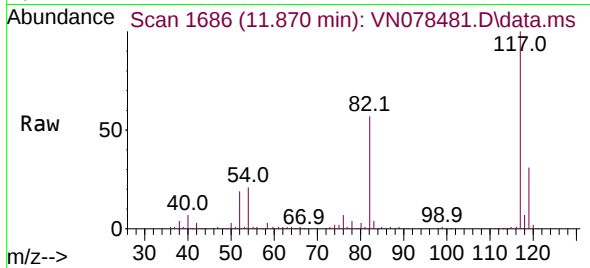
Tgt Ion: 95 Resp: 296483
Ion Ratio Lower Upper
95 100
174 78.3 0.0 143.8
176 75.5 0.0 135.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

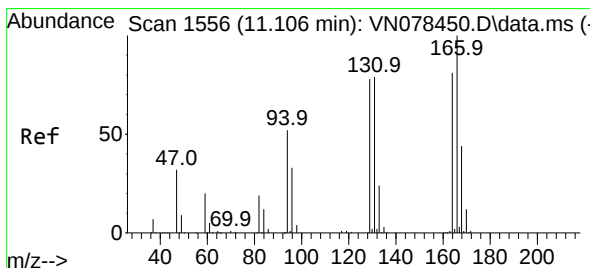
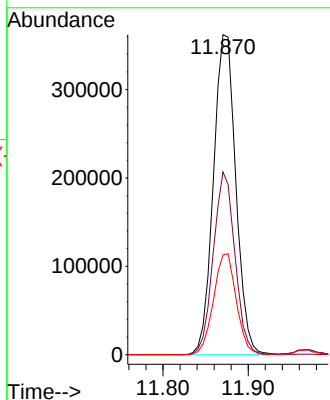
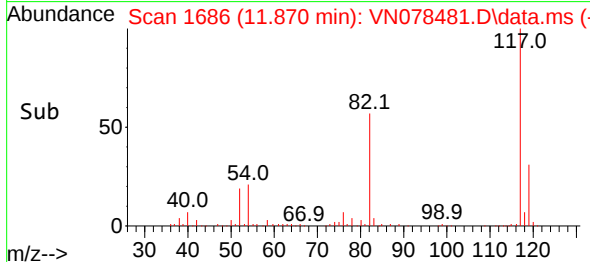
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:117 Resp: 66232
Ion Ratio Lower Upper
117 100
82 57.1 44.0 66.0
119 31.2 25.6 38.4

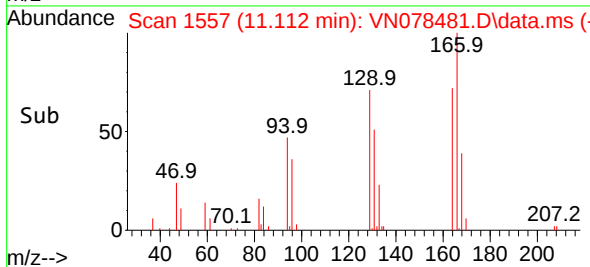
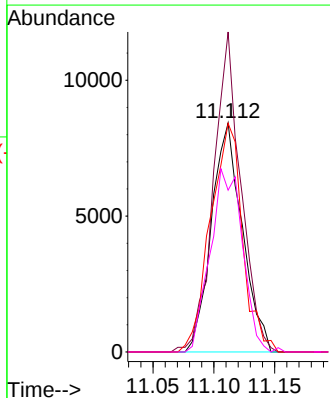
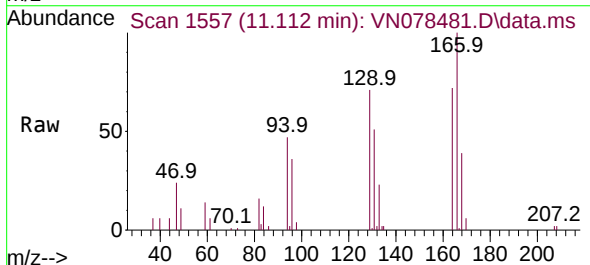
Manual Integrations
APPROVED

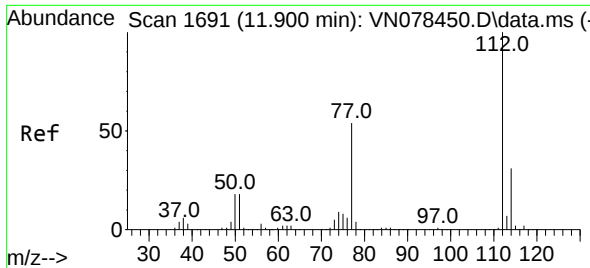
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#64
Tetrachloroethene
Concen: 2.983 ug/l
RT: 11.112 min Scan# 1557
Delta R.T. 0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion:164 Resp: 14852
Ion Ratio Lower Upper
164 100
166 139.8 101.4 152.0
129 99.9 82.4 123.6
131 70.6 78.2 117.4#





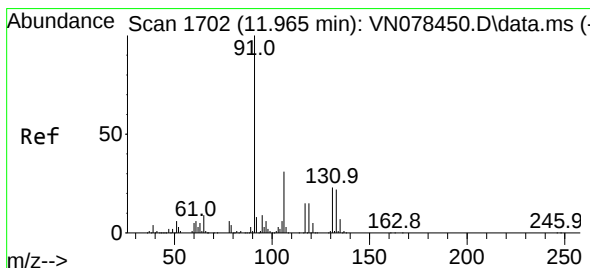
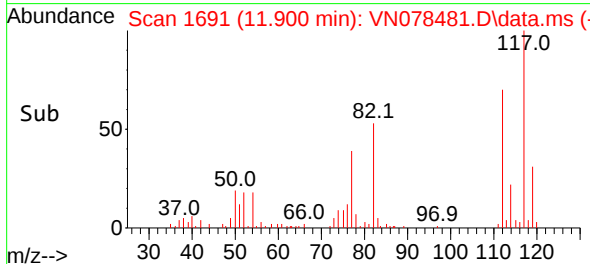
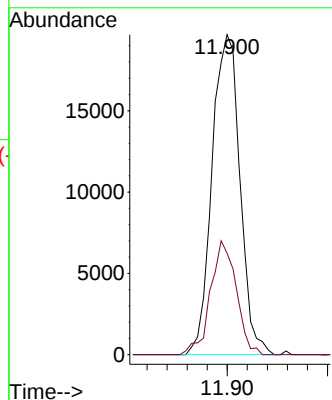
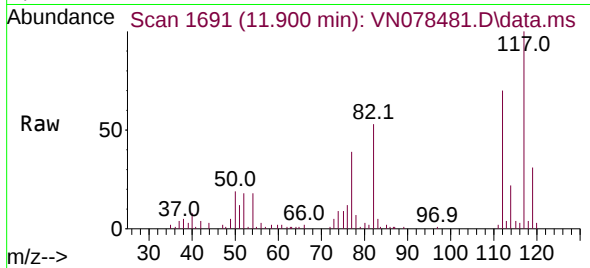
#65
Chlorobenzene
Concen: 2.568 ug/l
RT: 11.900 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion:112 Resp: 3802
Ion Ratio Lower Upper
112 100
114 31.7 25.0 37.4

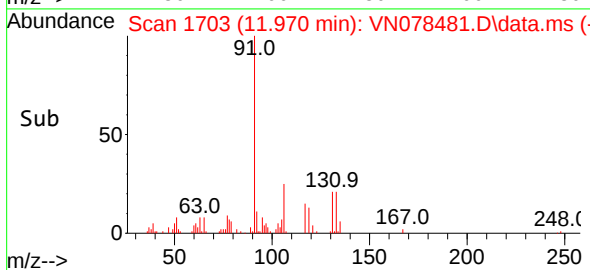
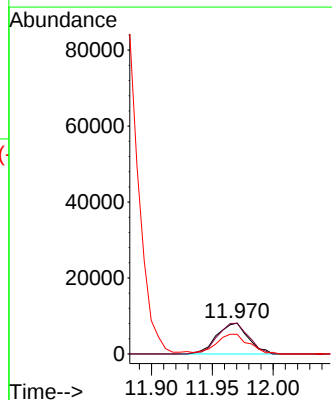
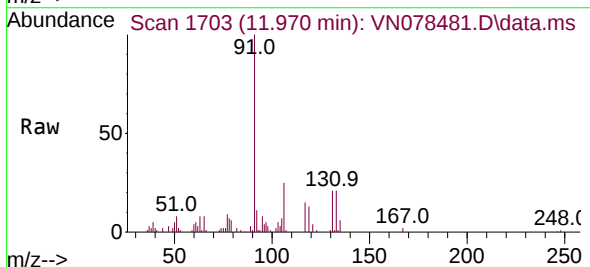
Manual Integrations
APPROVED

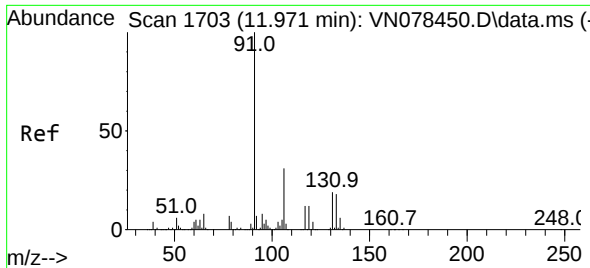
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 2.549 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

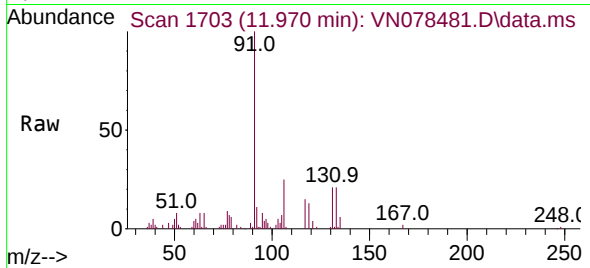
Tgt Ion:131 Resp: 14516
Ion Ratio Lower Upper
131 100
133 99.9 46.4 139.1
119 65.9 34.1 102.2





#67
Ethyl Benzene
Concen: 2.521 ug/l
RT: 11.970 min Scan# 1703
Delta R.T. -0.001 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

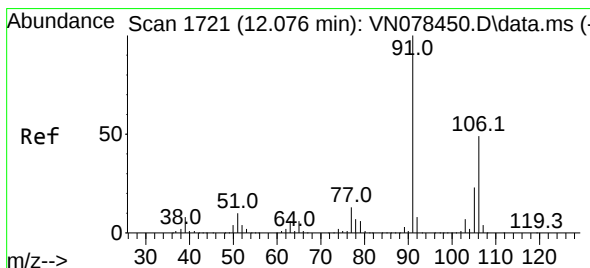
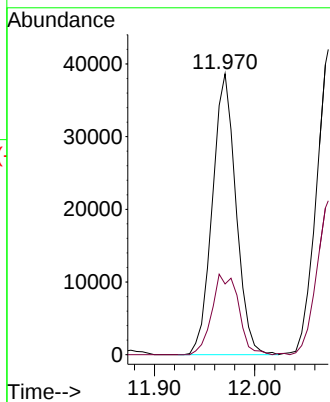
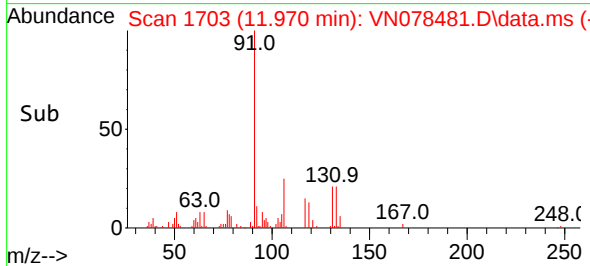
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



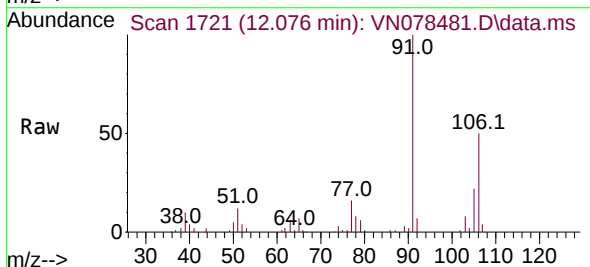
Tgt Ion: 91 Resp: 63080
Ion Ratio Lower Upper
91 100
106 25.2 25.6 38.4

Manual Integrations
APPROVED

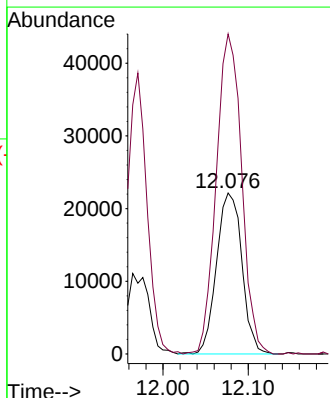
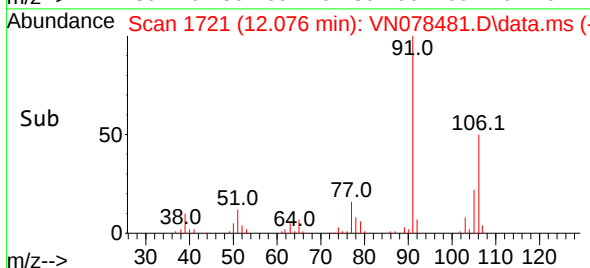
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

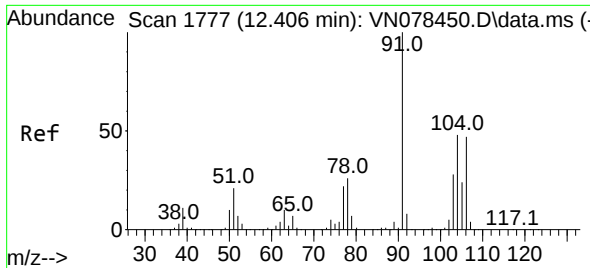


#68
m/p-Xylenes
Concen: 4.952 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26



Tgt Ion:106 Resp: 45817
Ion Ratio Lower Upper
106 100
91 198.8 159.6 239.4





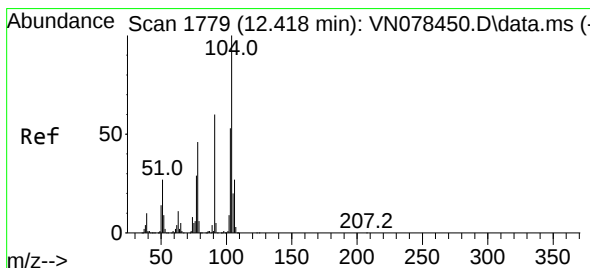
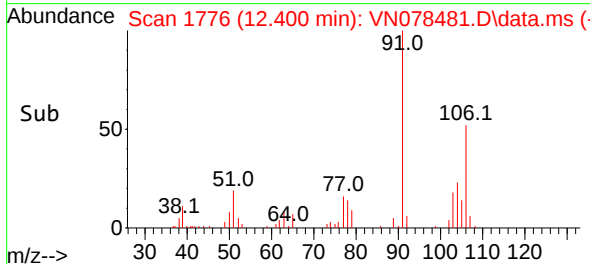
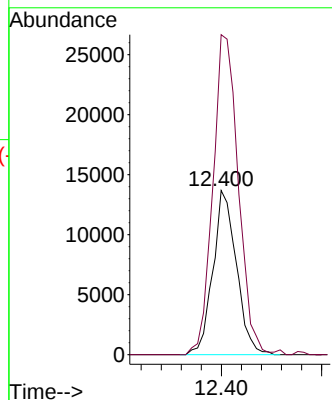
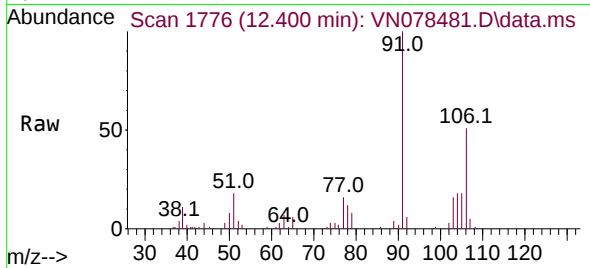
#69
o-Xylene
Concen: 2.382 ug/l
RT: 12.400 min Scan# 1777
Delta R.T. -0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion:106 Resp: 22258
Ion Ratio Lower Upper
106 100
91 211.1 105.2 315.5

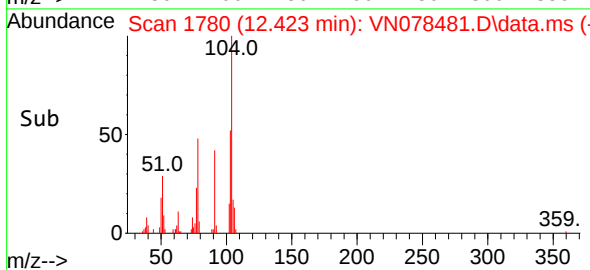
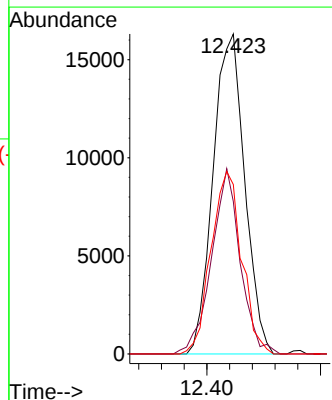
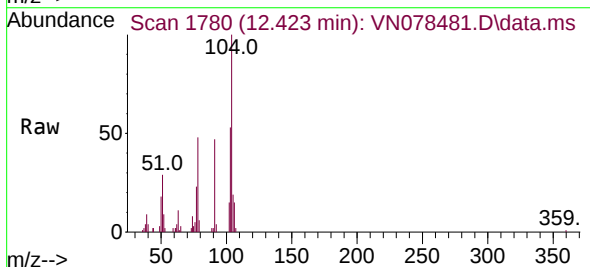
Manual Integrations
APPROVED

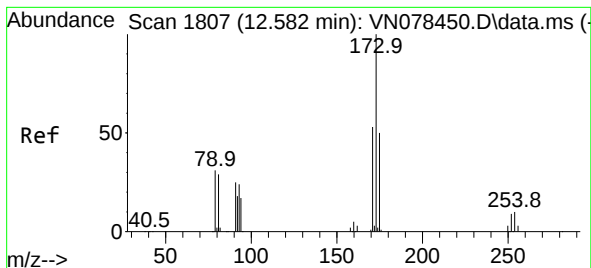
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#70
Styrene
Concen: 2.153 ug/l
RT: 12.423 min Scan# 1780
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion:104 Resp: 31471
Ion Ratio Lower Upper
104 100
78 52.5 39.5 59.3
103 55.5 43.2 64.8





#71

Bromoform

Concen: 2.395 ug/l

RT: 12.582 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

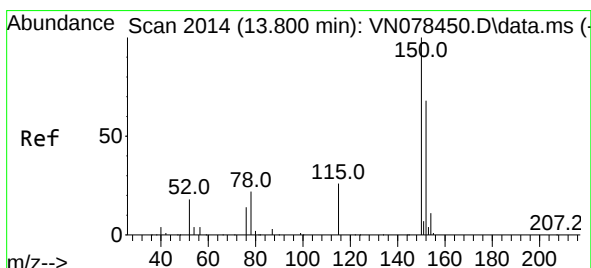
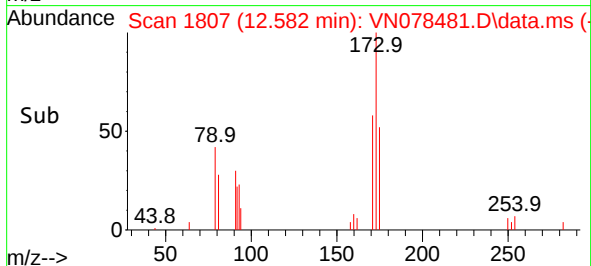
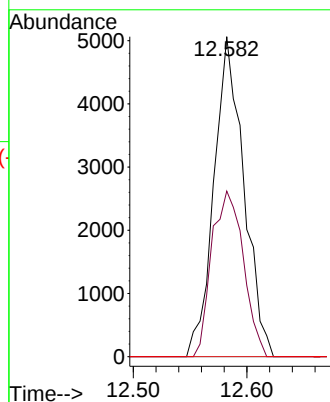
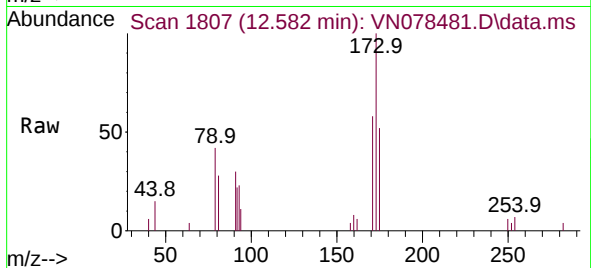
Tgt Ion:	173	Resp:	9230
Ion Ratio	Lower	Upper	
173	100		
175	54.8	24.3	73.0
254	0.0	0.0	0.0

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

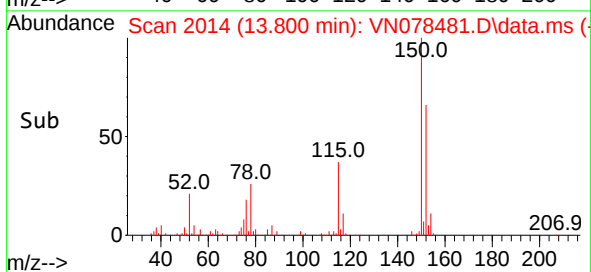
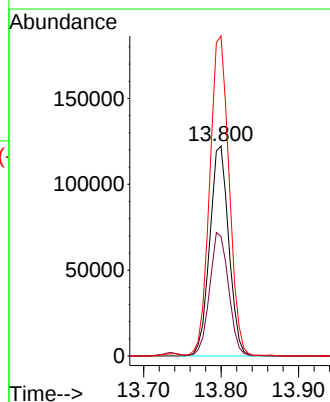
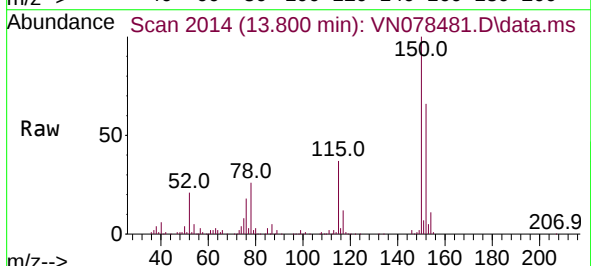
RT: 13.800 min Scan# 2014

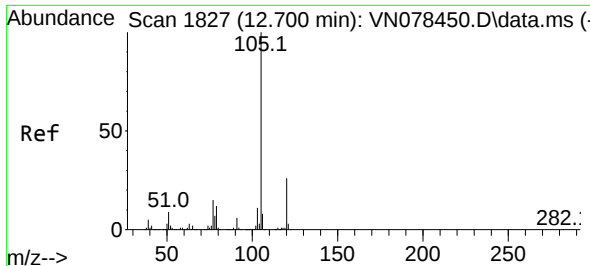
Delta R.T. -0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

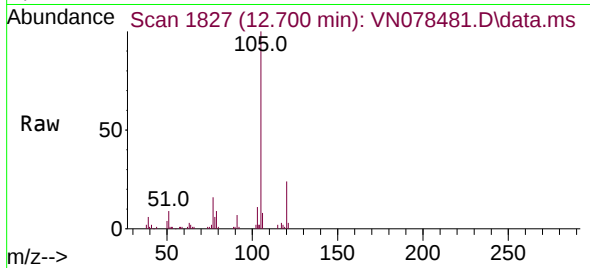
Tgt Ion:	152	Resp:	208598
Ion Ratio	Lower	Upper	
152	100		
115	58.6	32.3	96.8
150	154.2	0.0	355.8





#73
Isopropylbenzene
Concen: 2.749 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

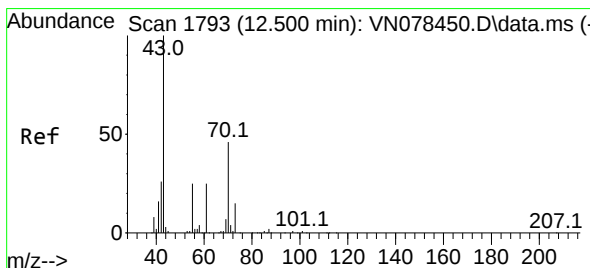
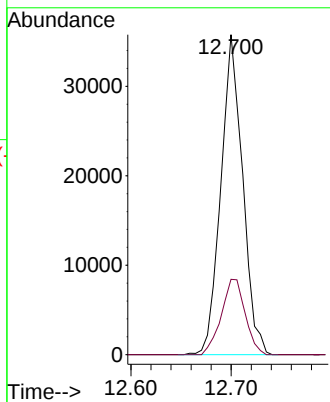
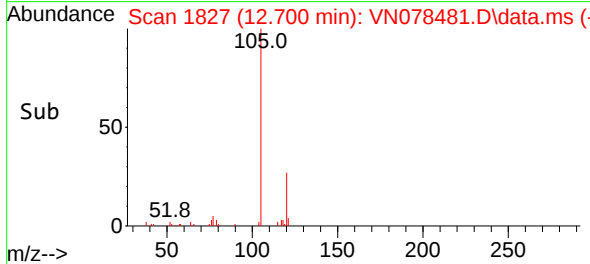
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 105 Resp: 5388
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.1

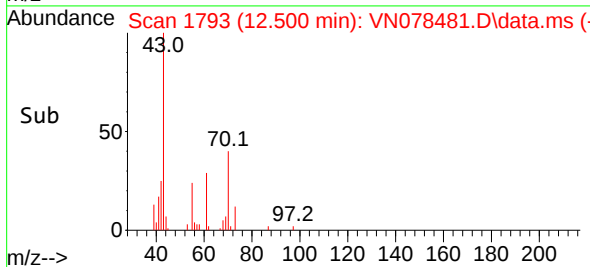
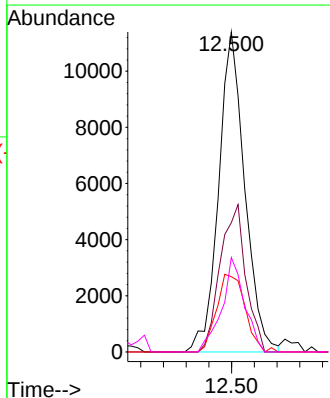
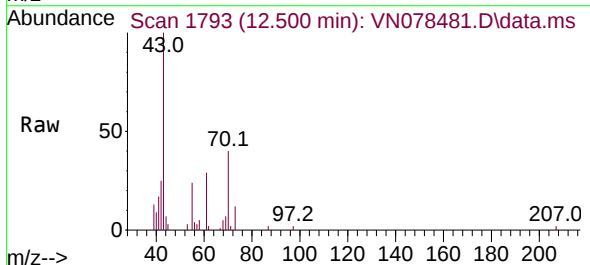
Manual Integrations
APPROVED

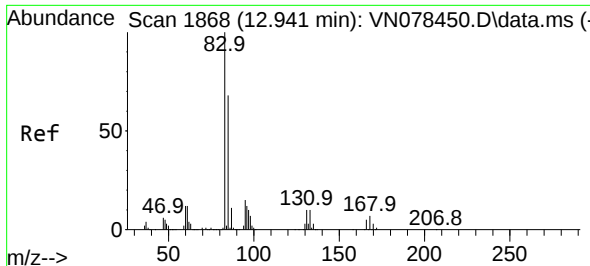
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#74
N-ethyl acetate
Concen: 2.694 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

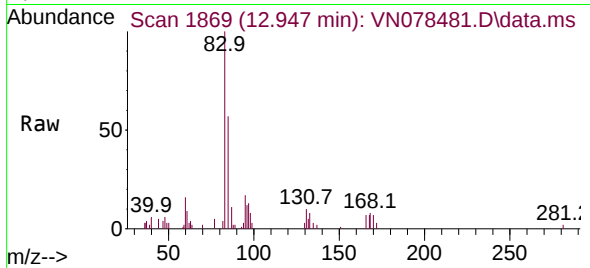
Tgt Ion: 43 Resp: 18195
Ion Ratio Lower Upper
43 100
70 45.2 43.4 65.2
55 26.4 21.4 32.0
61 25.7 22.8 34.2





#75
1,1,2,2-Tetrachloroethane
Concen: 3.185 ug/l
RT: 12.947 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

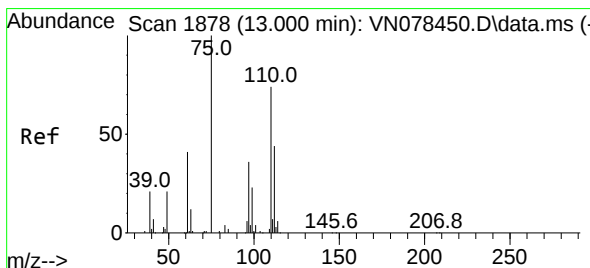
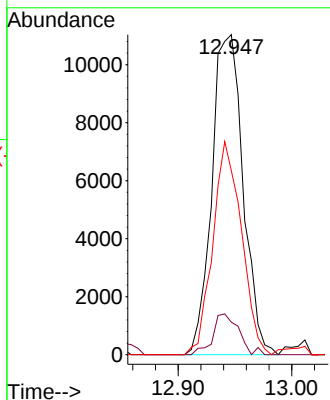
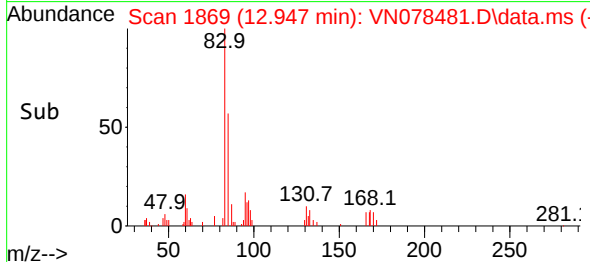
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 83 Resp: 21079
Ion Ratio Lower Upper
83 100
131 10.6 5.0 15.0
85 61.0 31.9 95.7

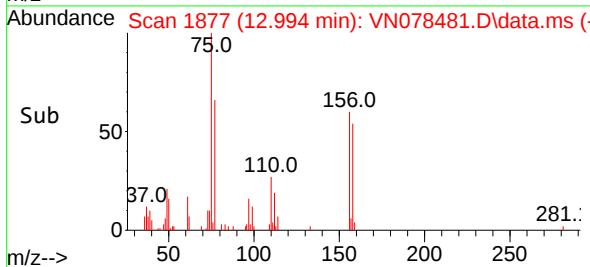
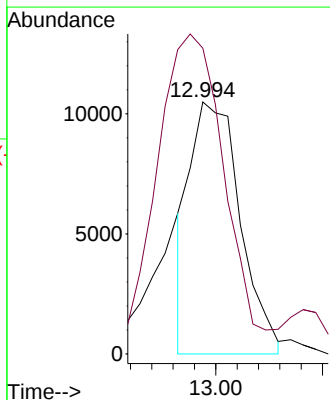
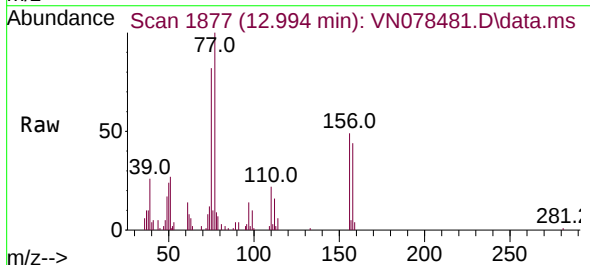
Manual Integrations
APPROVED

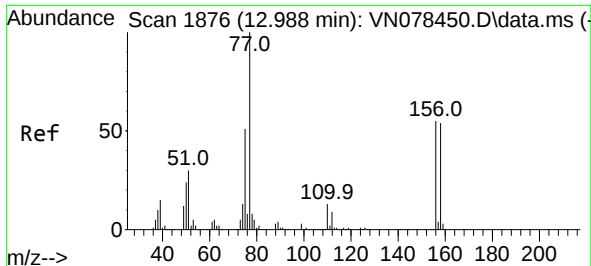
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#76
1,2,3-Trichloropropane
Concen: 3.399 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion: 75 Resp: 17136
Ion Ratio Lower Upper
75 100
77 174.0 84.5 253.5





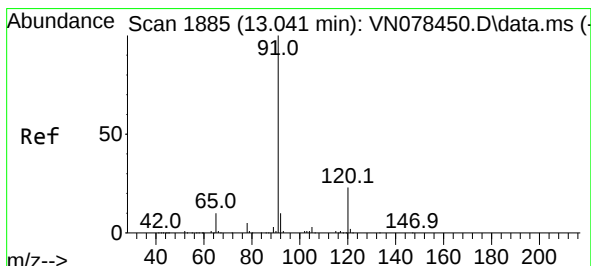
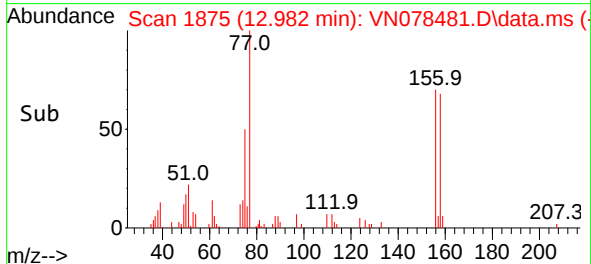
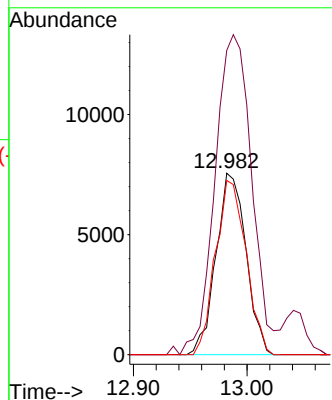
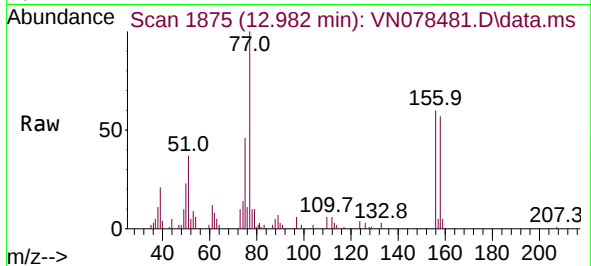
#77
Bromobenzene
Concen: 2.880 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion:156 Resp: 1386
Ion Ratio Lower Upper
156 100
77 215.1 107.7 323.3
158 97.9 48.4 145.3

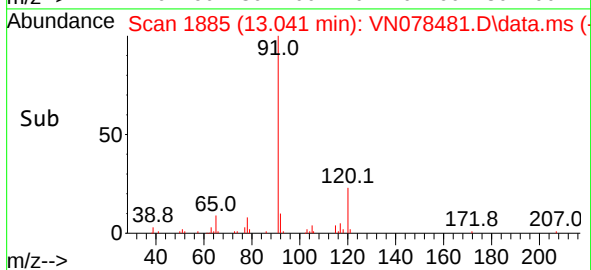
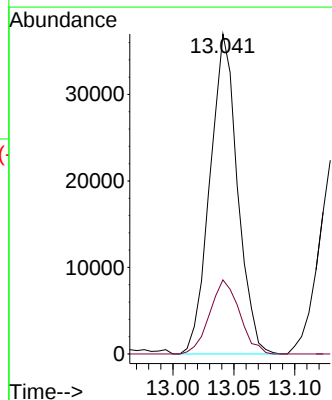
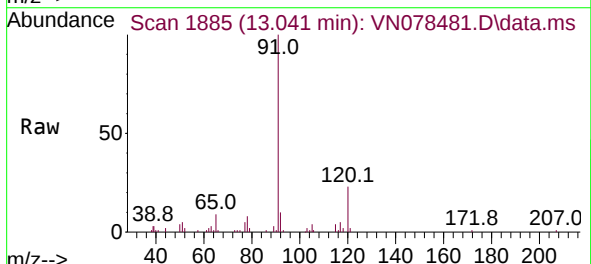
Manual Integrations
APPROVED

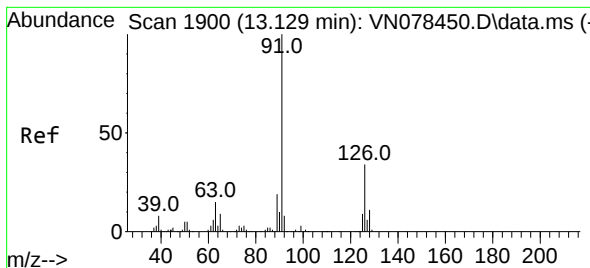
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#78
n-propylbenzene
Concen: 2.787 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion: 91 Resp: 58424
Ion Ratio Lower Upper
91 100
120 25.0 11.5 34.4





#79

2-Chlorotoluene

Concen: 2.759 ug/l

RT: 13.129 min Scan# 1900

Delta R.T. 0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

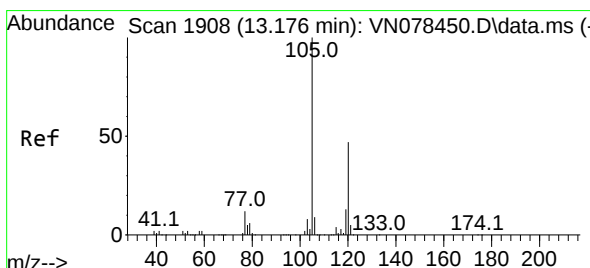
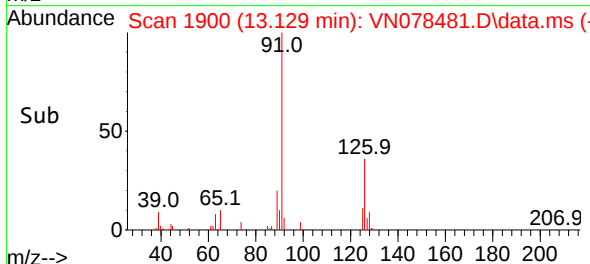
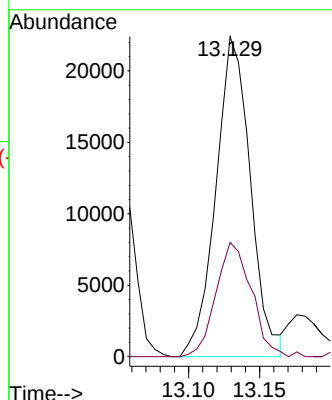
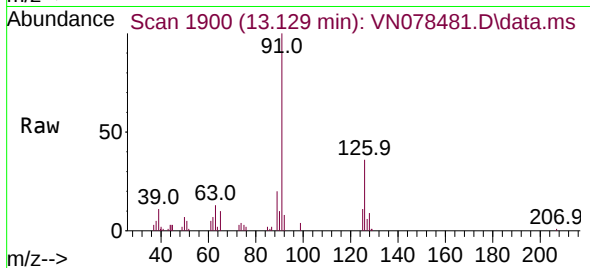
ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 3788
 Ion Ratio Lower Upper
 91 100
 126 36.9 16.3 48.8

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



#80

1,3,5-Trimethylbenzene

Concen: 2.778 ug/l

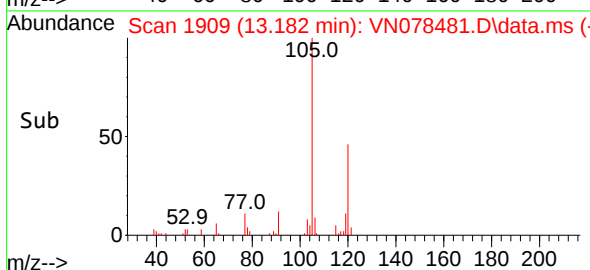
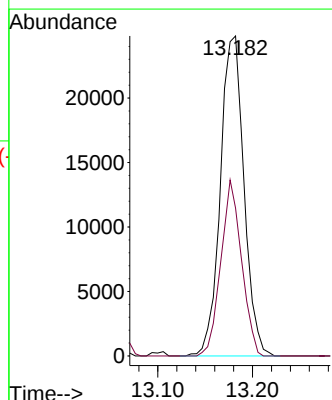
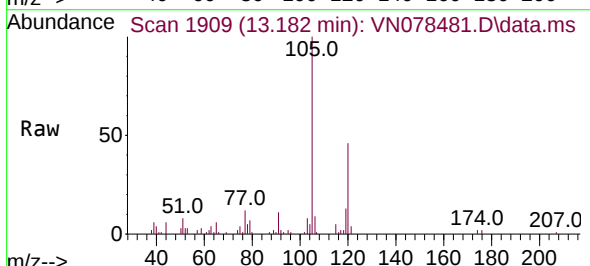
RT: 13.182 min Scan# 1909

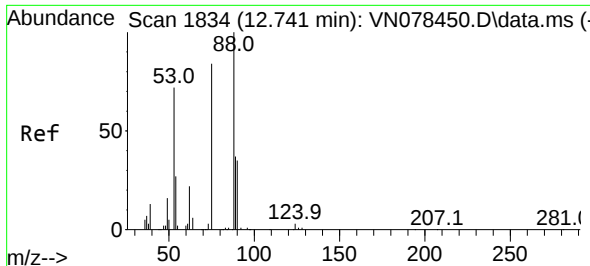
Delta R.T. 0.006 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

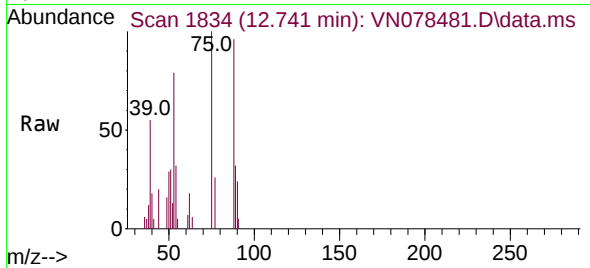
Tgt Ion:105 Resp: 43016
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 2.977 ug/l m
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

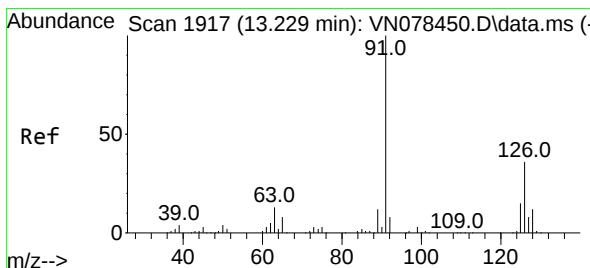
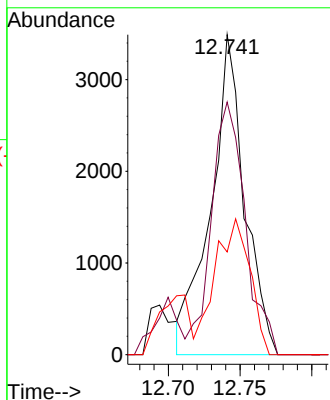
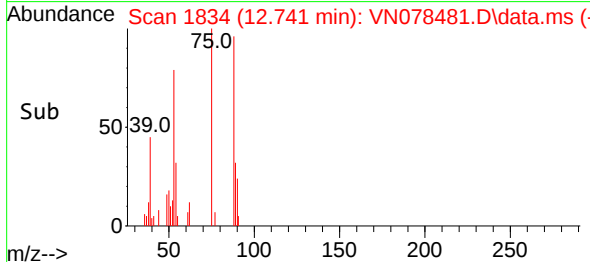
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



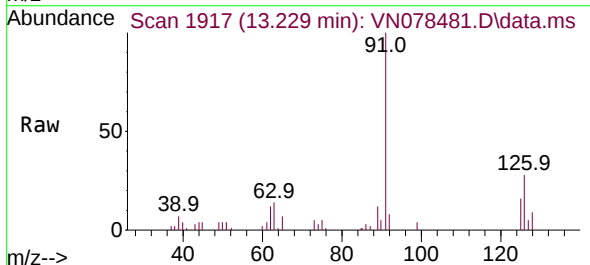
Tgt Ion: 75 Resp: 571
Ion Ratio Lower Upper
75 100
53 79.3 67.4 101.2
89 44.0 38.8 58.2

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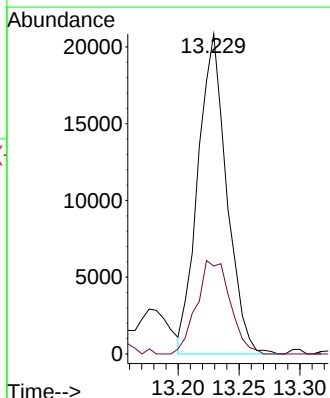
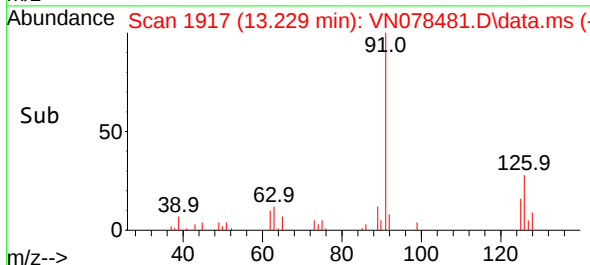
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

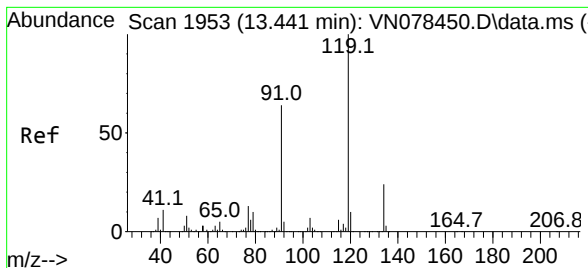


#82
4-Chlorotoluene
Concen: 2.677 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26



Tgt Ion: 91 Resp: 34288
Ion Ratio Lower Upper
91 100
126 34.0 16.7 50.0





#83

tert-Butylbenzene

Concen: 2.799 ug/l

RT: 13.447 min Scan# 1953

Delta R.T. 0.006 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

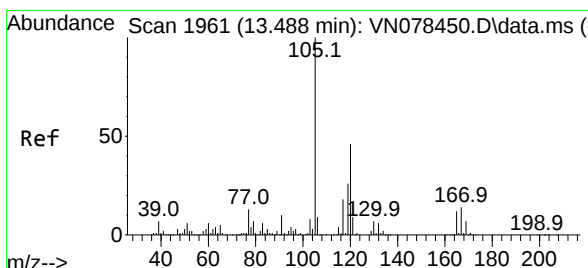
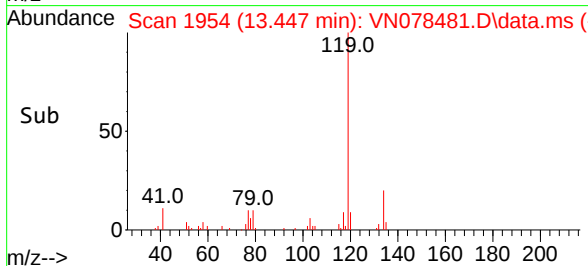
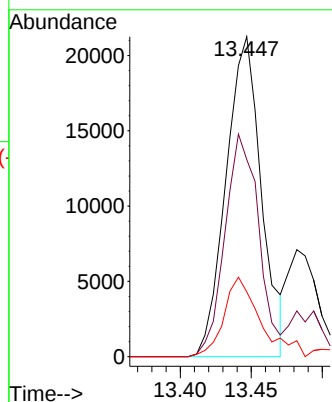
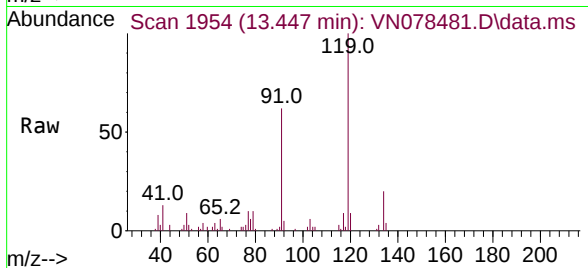
Tgt Ion:	119	Resp:	36798
Ion Ratio	Lower	Upper	
119	100		
91	66.6	33.9	101.7
134	25.9	13.2	39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#84

1,2,4-Trimethylbenzene

Concen: 2.532 ug/l

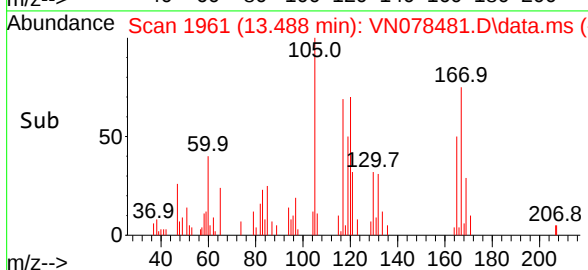
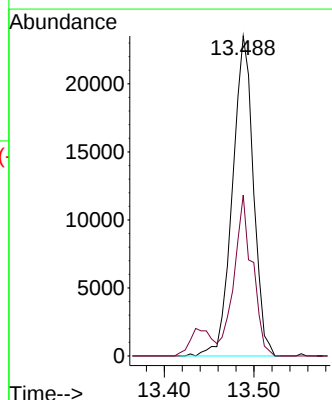
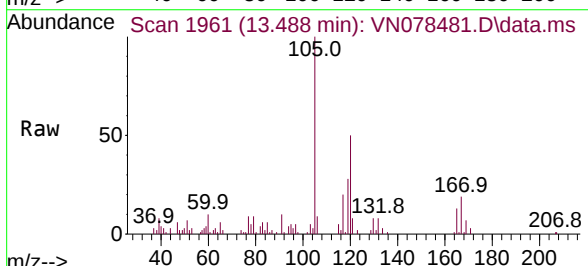
RT: 13.488 min Scan# 1961

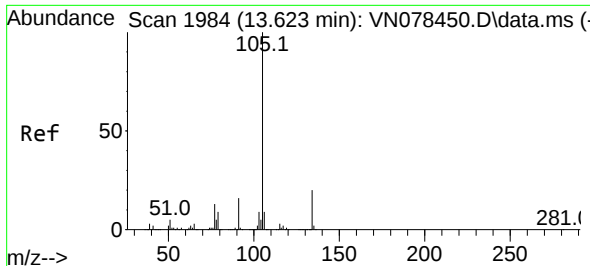
Delta R.T. -0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

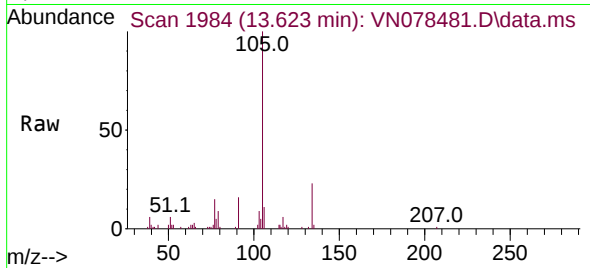
Tgt Ion:	105	Resp:	38089
Ion Ratio	Lower	Upper	
105	100		
120	44.0	22.0	66.0





#85
 sec-Butylbenzene
 Concen: 2.615 ug/l
 RT: 13.623 min Scan# 1984
 Delta R.T. 0.000 min
 Lab File: VN078481.D
 Acq: 12 Jul 2023 15:26

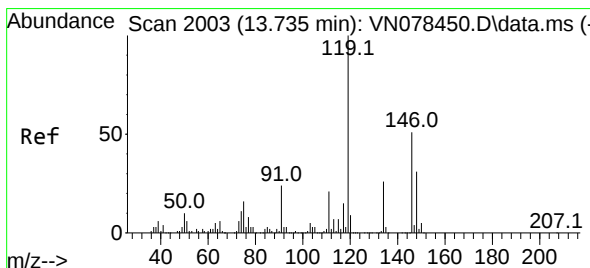
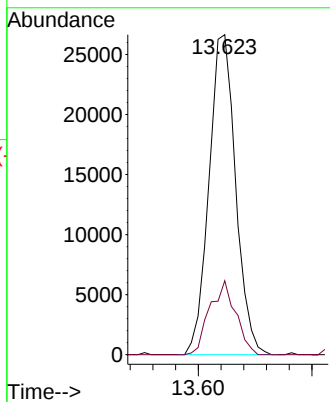
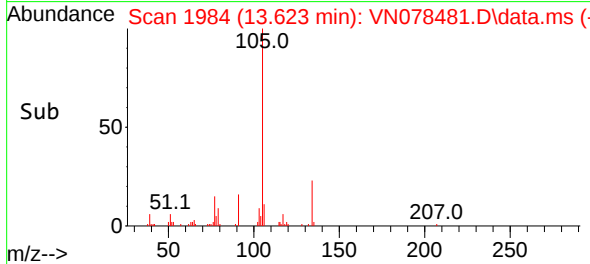
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023



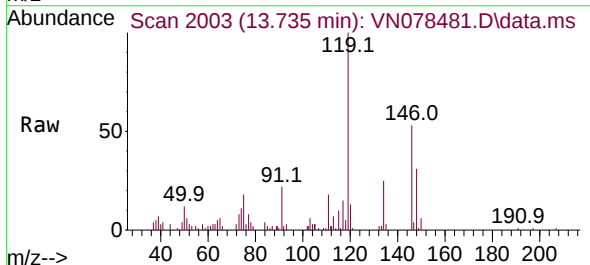
Tgt Ion:105 Resp: 4346
 Ion Ratio Lower Upper
 105 100
 134 22.5 9.8 29.3

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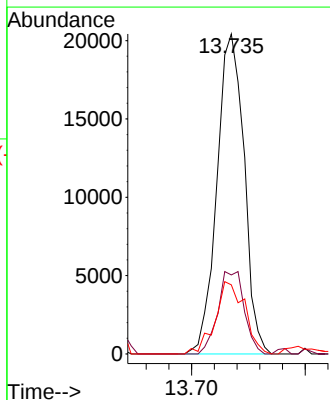
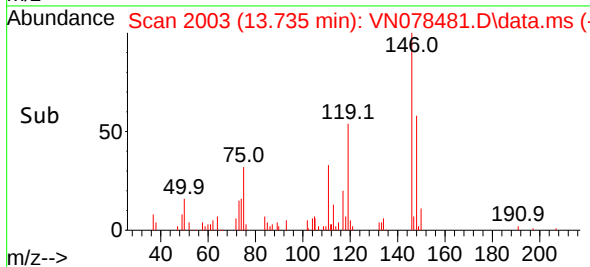
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

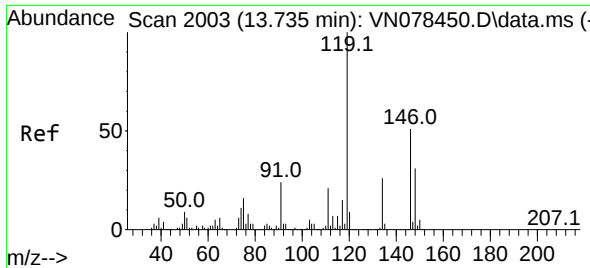


#86
 p-Isopropyltoluene
 Concen: 2.540 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078481.D
 Acq: 12 Jul 2023 15:26



Tgt Ion:119 Resp: 33903
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.6 37.8
 91 24.5 12.4 37.2





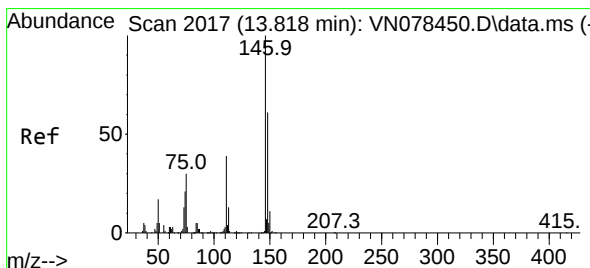
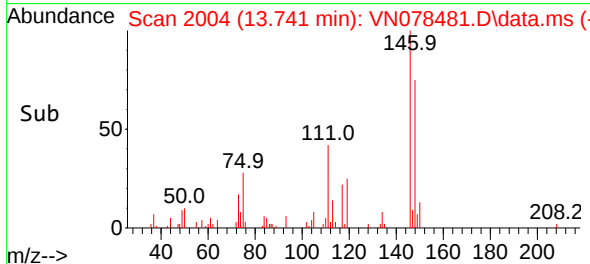
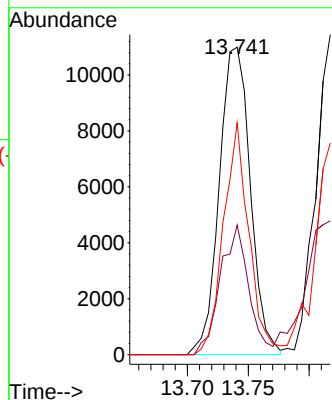
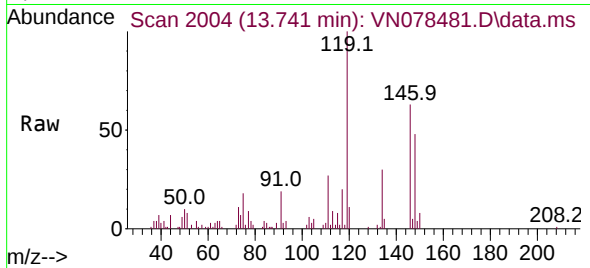
#87
 1,3-Dichlorobenzene
 Concen: 2.597 ug/l
 RT: 13.741 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN078481.D
 Acq: 12 Jul 2023 15:26

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

Tgt Ion:146 Resp: 19538
 Ion Ratio Lower Upper
 146 100
 111 38.6 22.1 66.3
 148 61.9 32.0 96.0

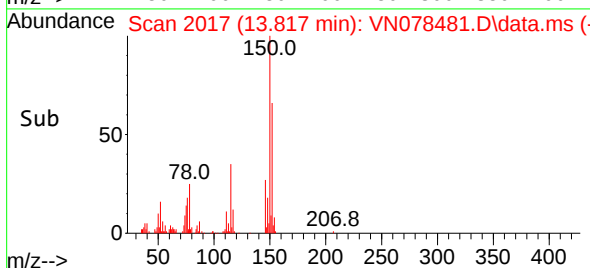
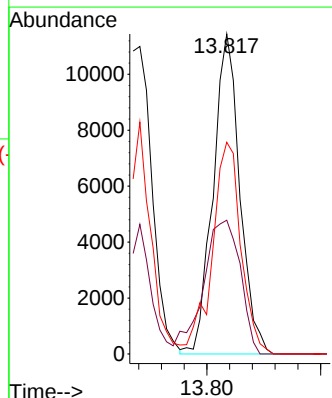
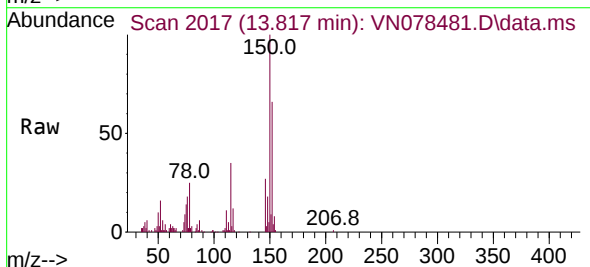
Manual Integrations
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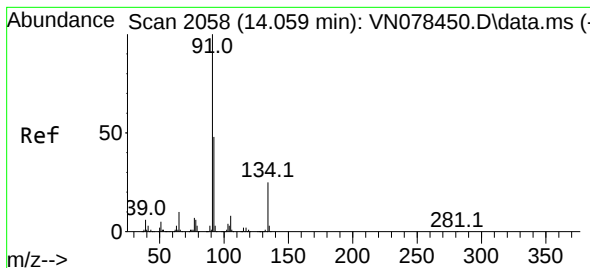
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023



#88
 1,4-Dichlorobenzene
 Concen: 2.469 ug/l
 RT: 13.817 min Scan# 2017
 Delta R.T. -0.001 min
 Lab File: VN078481.D
 Acq: 12 Jul 2023 15:26

Tgt Ion:146 Resp: 18712
 Ion Ratio Lower Upper
 146 100
 111 57.8 20.6 61.8
 148 71.0 31.6 94.8





#89

n-Butylbenzene

Concen: 2.348 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

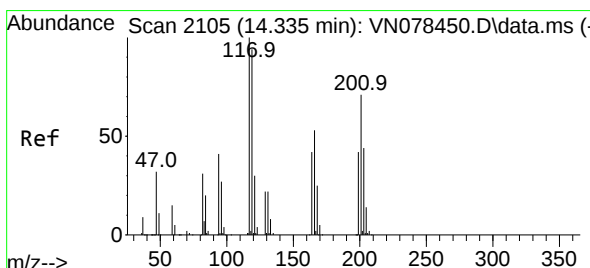
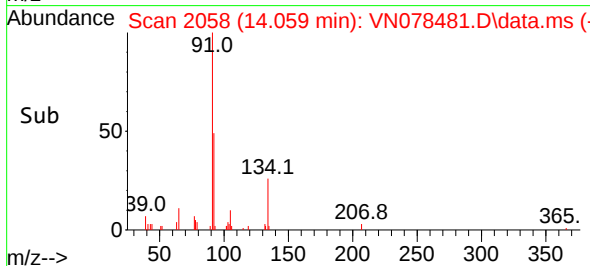
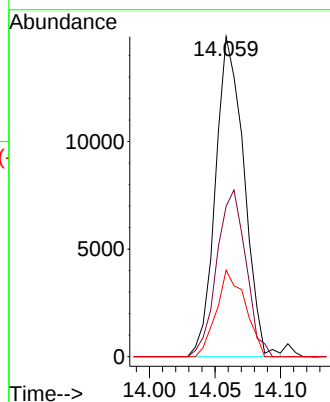
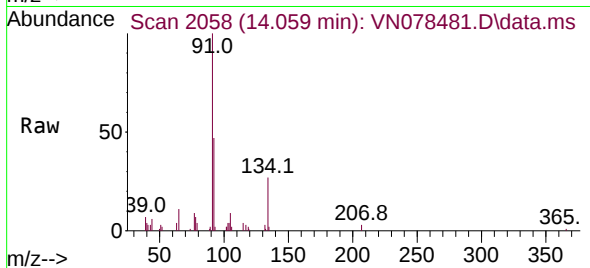
Tgt Ion: 91	Resp: 22410
Ion Ratio	Lower Upper
91 100	
92 53.4	26.4 79.0
134 27.3	12.6 37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#90

Hexachloroethane

Concen: 2.904 ug/l

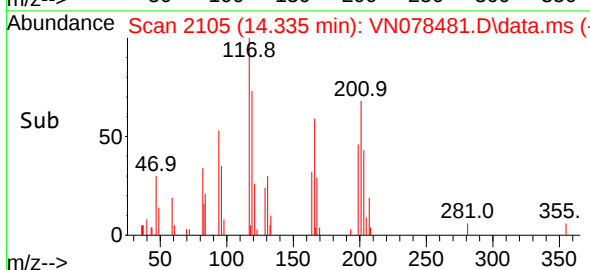
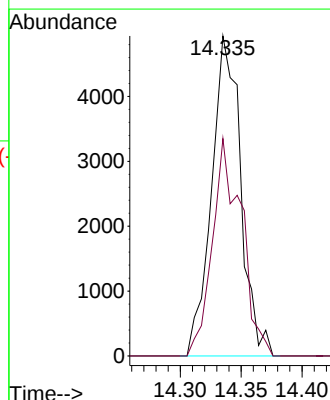
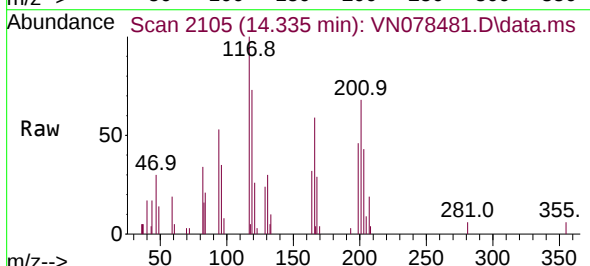
RT: 14.335 min Scan# 2105

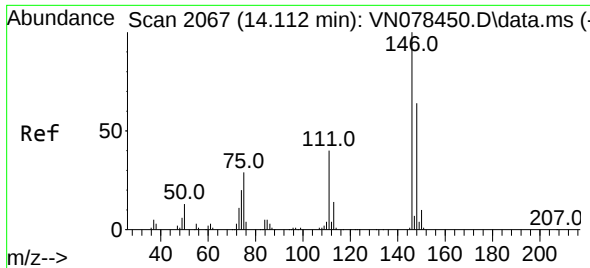
Delta R.T. -0.000 min

Lab File: VN078481.D

Acq: 12 Jul 2023 15:26

Tgt Ion: 117	Resp: 8190
Ion Ratio	Lower Upper
117 100	
201 68.1	29.3 88.0





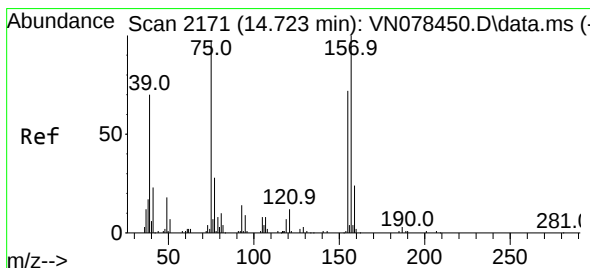
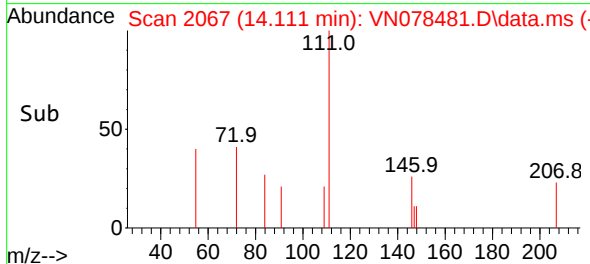
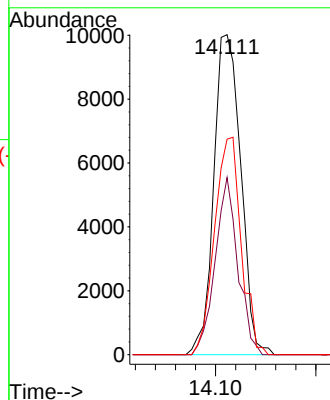
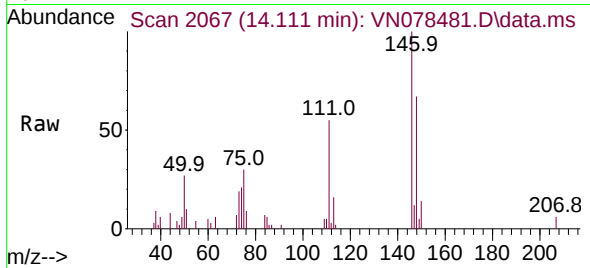
#91
1,2-Dichlorobenzene
Concen: 2.498 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. -0.001 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion:146 Resp: 1870
Ion Ratio Lower Upper
146 100
111 46.7 22.0 66.0
148 67.2 31.8 95.3

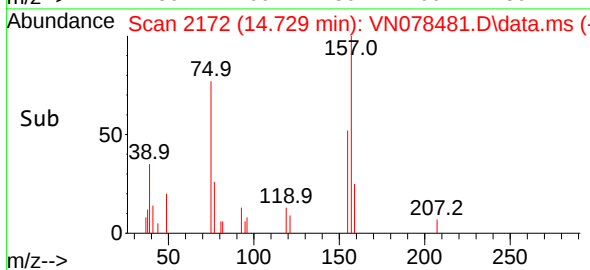
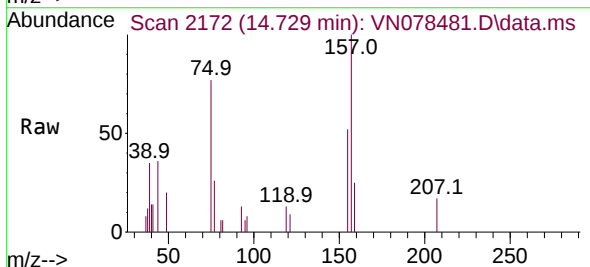
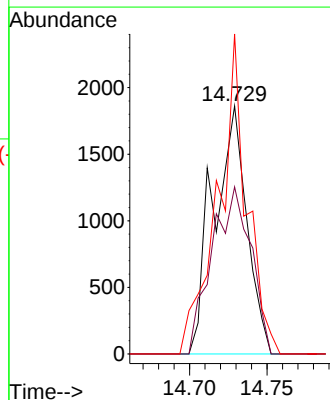
Manual Integrations
APPROVED

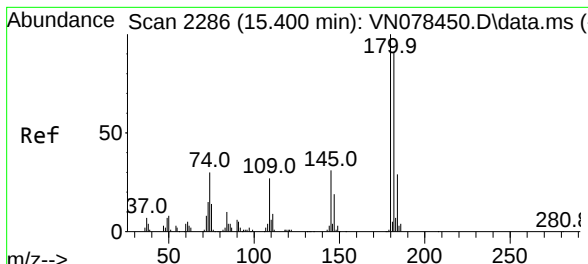
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.556 ug/l
RT: 14.729 min Scan# 2172
Delta R.T. 0.006 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

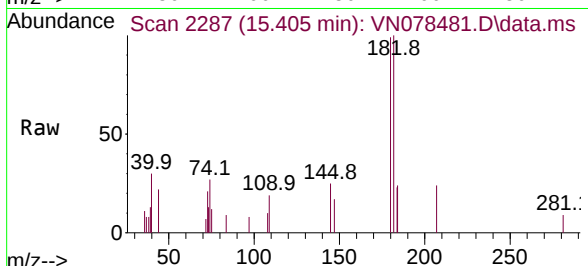
Tgt Ion: 75 Resp: 2789
Ion Ratio Lower Upper
75 100
155 78.6 39.1 117.2
157 110.6 50.3 150.9





#93
1,2,4-Trichlorobenzene
Concen: 1.726 ug/l
RT: 15.405 min Scan# 2105
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

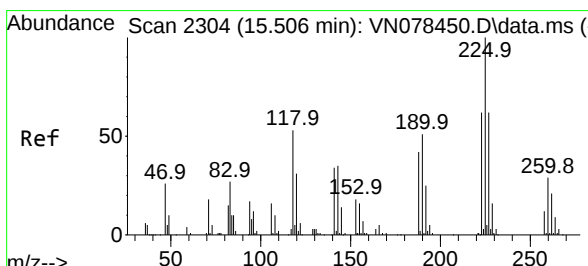
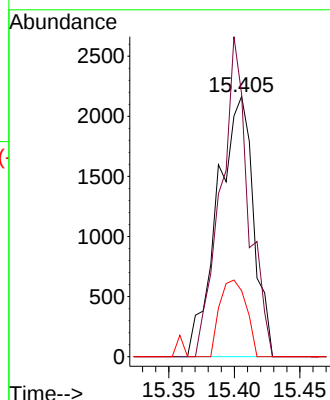
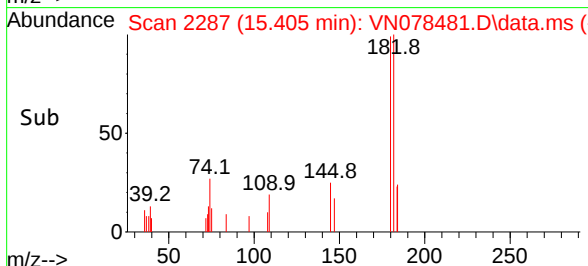
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023



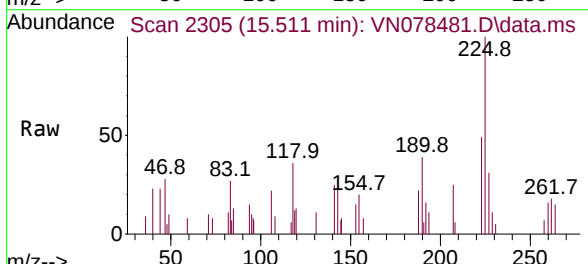
Tgt Ion:180 Resp: 4125
Ion Ratio Lower Upper
180 100
182 94.5 46.1 138.2
145 21.7 16.6 49.8

Manual Integrations
APPROVED

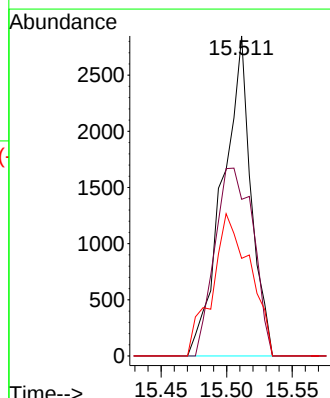
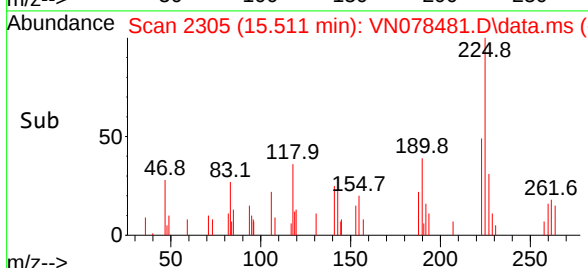
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

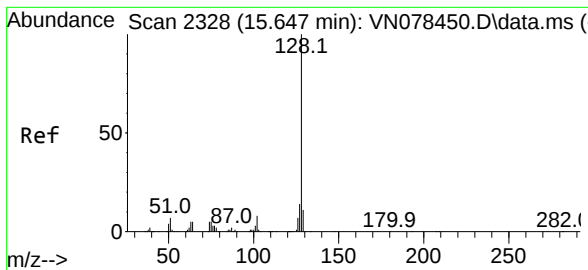


#94
Hexachlorobutadiene
Concen: 2.749 ug/l
RT: 15.511 min Scan# 2305
Delta R.T. 0.005 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26



Tgt Ion:225 Resp: 4299
Ion Ratio Lower Upper
225 100
223 79.0 31.3 93.8
227 59.1 31.9 95.9





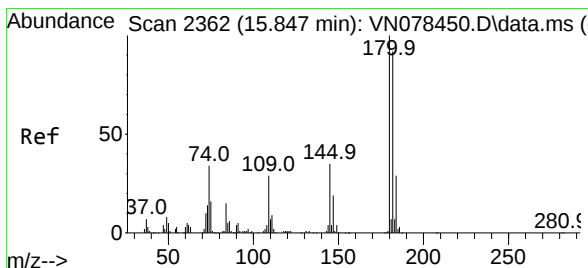
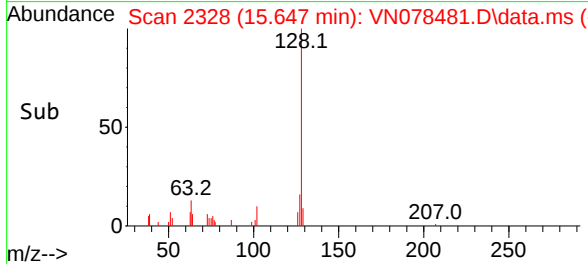
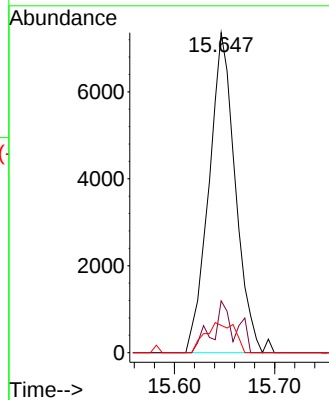
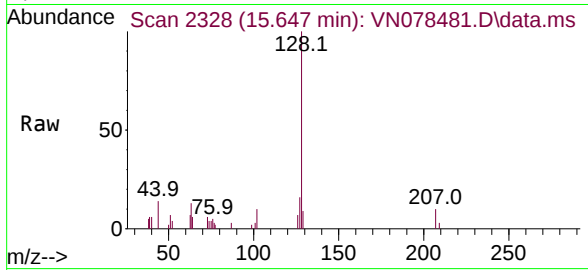
#95
Naphthalene
Concen: 1.655 ug/l
RT: 15.647 min Scan# 2328
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

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

Tgt Ion:128 Resp: 1352
Ion Ratio Lower Upper
128 100
127 13.9 10.0 15.0
129 10.5 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: 1.737 ug/l m
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN078481.D
Acq: 12 Jul 2023 15:26

Tgt Ion:180 Resp: 4774
Ion Ratio Lower Upper
180 100
182 81.5 46.2 138.6
145 16.8 17.5 52.6#

