

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110323\
 Data File : VN079860.D
 Acq On : 03 Nov 2023 19:38
 Operator : JC\MD
 Sample : 04699-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Quant Time: Nov 04 00:57:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	257796	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	476315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	430273	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	176578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	246081	62.654	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 125.300%#			
35) Dibromofluoromethane	8.171	113	187255	55.546	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.100%			
50) Toluene-d8	10.571	98	668814	53.891	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.780%			
62) 4-Bromofluorobenzene	12.853	95	200900	48.810	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.620%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	8560	2.757	ug/l	85
3) Chloromethane	2.359	50	13272	2.710	ug/l	97
4) Vinyl Chloride	2.512	62	13816	3.399	ug/l	98
5) Bromomethane	2.942	94	9172	3.714	ug/l	98
6) Chloroethane	3.112	64	10358m	3.225	ug/l	
7) Trichlorofluoromethane	3.501	101	15375	3.041	ug/l	87
8) Diethyl Ether	3.959	74	4658	2.428	ug/l #	51
9) 1,1,2-Trichlorotrifluo...	4.365	101	8602	2.935	ug/l #	86
10) Methyl Iodide	4.595	142	8015	2.395	ug/l #	91
11) Tert butyl alcohol	5.524	59	7253	14.466	ug/l #	83
12) 1,1-Dichloroethene	4.342	96	7942	2.862	ug/l #	68
13) Acrolein	4.189	56	4729	12.468	ug/l	94
14) Allyl chloride	5.030	41	11040	2.598	ug/l	88
15) Acrylonitrile	5.718	53	22318	14.284	ug/l	98
16) Acetone	4.436	43	21299	15.438	ug/l #	82
17) Carbon Disulfide	4.712	76	23191	2.897	ug/l	96
18) Methyl Acetate	5.042	43	19234	2.914	ug/l #	42
19) Methyl tert-butyl Ether	5.789	73	24070	2.519	ug/l #	85
20) Methylene Chloride	5.277	84	12394	3.560	ug/l #	83
21) trans-1,2-Dichloroethene	5.795	96	8204	2.651	ug/l #	79
22) Diisopropyl ether	6.677	45	25471	2.586	ug/l	94
23) Vinyl Acetate	6.612	43	67068	12.345	ug/l #	85
24) 1,1-Dichloroethane	6.565	63	18046	3.014	ug/l	97
25) 2-Butanone	7.489	43	27790	13.756	ug/l	92
26) 2,2-Dichloropropane	7.494	77	12773	2.580	ug/l	98
27) cis-1,2-Dichloroethene	7.489	96	9867	2.665	ug/l	87
28) Bromochloromethane	7.818	49	8869	3.040	ug/l #	75
29) Tetrahydrofuran	7.847	42	17529	13.336	ug/l #	73
30) Chloroform	7.971	83	21633	3.327	ug/l	91
31) Cyclohexane	8.247	56	19681	3.792	ug/l #	86
32) 1,1,1-Trichloroethane	8.171	97	15952	3.011	ug/l #	88
36) 1,1-Dichloropropene	8.383	75	12558	2.609	ug/l	92
37) Ethyl Acetate	7.571	43	14037	3.180	ug/l #	82
38) Carbon Tetrachloride	8.365	117	13929	2.871	ug/l #	91
39) Methylcyclohexane	9.606	83	10422	2.301	ug/l #	73
40) Benzene	8.612	78	40009	2.775	ug/l	94

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.783	41	6608	2.819	ug/l #	78
42) 1,2-Dichloroethane	8.677	62	16374	3.251	ug/l	96
43) Isopropyl Acetate	8.694	43	19452	2.513	ug/l #	93
44) Trichloroethene	9.353	130	9308	2.602	ug/l	99
45) 1,2-Dichloropropane	9.624	63	11004	2.987	ug/l	97
46) Dibromomethane	9.712	93	7350	2.922	ug/l	96
47) Bromodichloromethane	9.888	83	16007	2.983	ug/l	88
48) Methyl methacrylate	9.682	41	8849	2.610	ug/l #	75
49) 1,4-Dioxane	9.706	88	2712	45.262	ug/l #	71
51) 4-Methyl-2-Pentanone	10.453	43	55766	12.795	ug/l #	85
52) Toluene	10.629	92	24755	2.896	ug/l	96
53) t-1,3-Dichloropropene	10.841	75	12575	2.391	ug/l	91
54) cis-1,3-Dichloropropene	10.318	75	14303	2.495	ug/l #	87
55) 1,1,2-Trichloroethane	11.024	97	9712	2.825	ug/l	97
56) Ethyl methacrylate	10.877	69	10715	2.185	ug/l #	74
57) 1,3-Dichloropropane	11.171	76	16886	2.787	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	24198	9.736	ug/l	89
59) 2-Hexanone	11.200	43	38207	11.459	ug/l	82
60) Dibromochloromethane	11.365	129	10120	2.750	ug/l	93
61) 1,2-Dibromoethane	11.477	107	9010	2.611	ug/l	99
64) Tetrachloroethene	11.106	164	8918	3.200	ug/l	96
65) Chlorobenzene	11.894	112	25245	2.705	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.965	131	9743	2.897	ug/l	98
67) Ethyl Benzene	11.965	91	38087	2.342	ug/l	99
68) m/p-Xylenes	12.076	106	24425	4.032	ug/l	81
69) o-Xylene	12.406	106	13117	2.249	ug/l	98
70) Styrene	12.418	104	18504	1.974	ug/l	91
71) Bromoform	12.576	173	6551	2.743	ug/l #	86
73) Isopropylbenzene	12.700	105	29299	2.186	ug/l	96
74) N-amyl acetate	12.500	43	12495	2.136	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	14312	3.012	ug/l	96
76) 1,2,3-Trichloropropane	13.000	75	12483m	3.011	ug/l	
77) Bromobenzene	12.988	156	9439	2.877	ug/l	92
78) n-propylbenzene	13.035	91	39349	2.564	ug/l	98
79) 2-Chlorotoluene	13.123	91	25798	2.631	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	23795	2.282	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.735	75	3189m	2.093	ug/l	
82) 4-Chlorotoluene	13.229	91	23805	2.444	ug/l	95
83) tert-Butylbenzene	13.441	119	21515	2.521	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	23699	2.310	ug/l	99
85) sec-Butylbenzene	13.618	105	26831	2.269	ug/l	98
86) p-Isopropyltoluene	13.729	119	19638	2.037	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	16162	2.648	ug/l	96
88) 1,4-Dichlorobenzene	13.818	146	16421	2.651	ug/l	85
89) n-Butylbenzene	14.059	91	18328	2.207	ug/l	93
90) Hexachloroethane	14.335	117	5671	2.970	ug/l	99
91) 1,2-Dichlorobenzene	14.112	146	15177	2.634	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.723	75	2270	2.817	ug/l	83
93) 1,2,4-Trichlorobenzene	15.394	180	6103	2.228	ug/l	98
94) Hexachlorobutadiene	15.494	225	3450	2.778	ug/l	92
95) Naphthalene	15.647	128	14621	1.574	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.847	180	6202	2.309	ug/l	98

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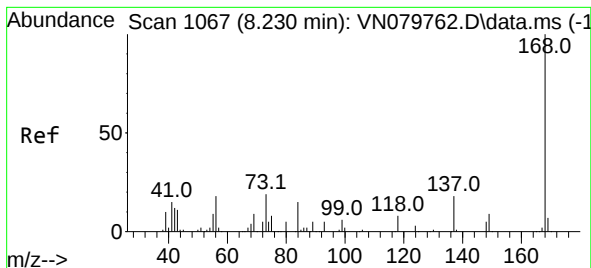
Manual Integrations
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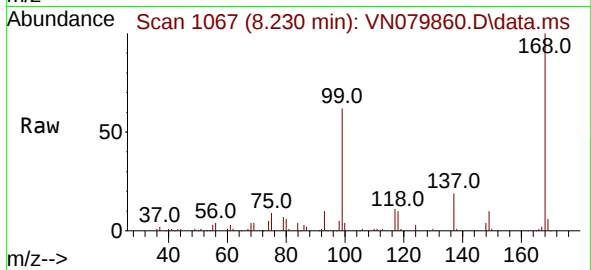
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
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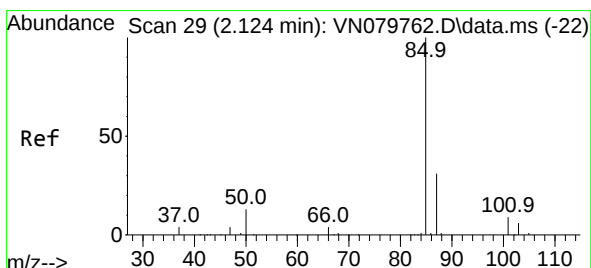
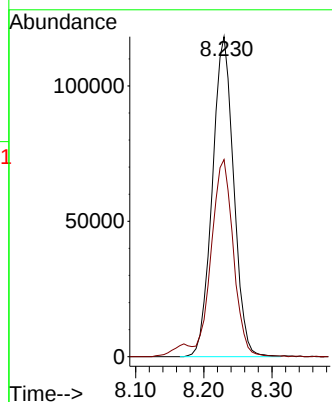
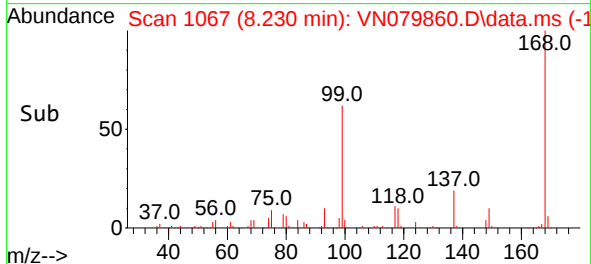
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:168 Resp: 257790
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6

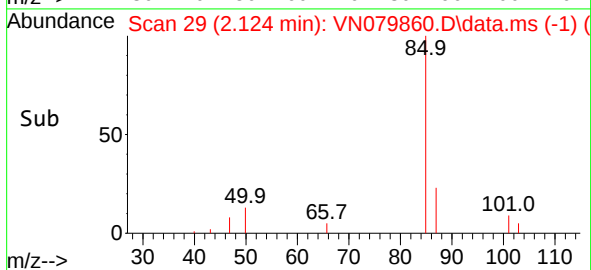
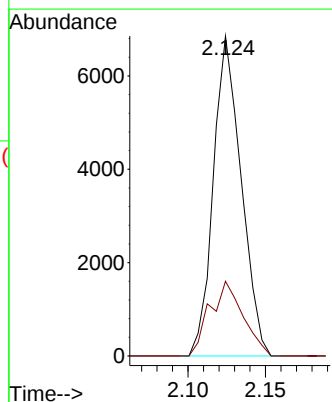
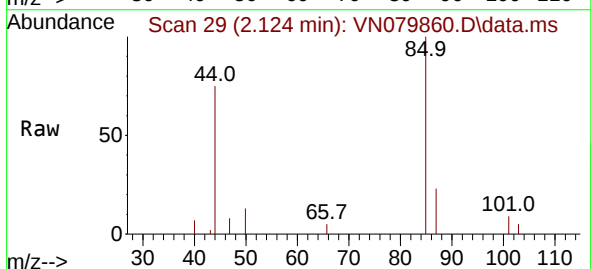
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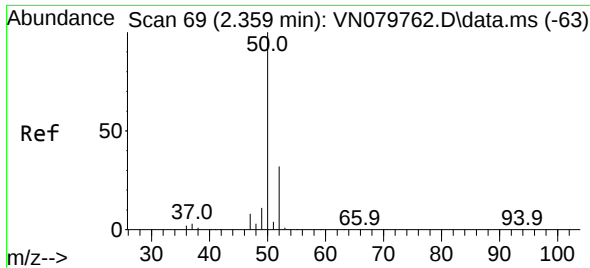
Reviewed By :John Carlone 11/04/2023
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#2
Dichlorodifluoromethane
Concen: 2.757 ug/l
RT: 2.124 min Scan# 29
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

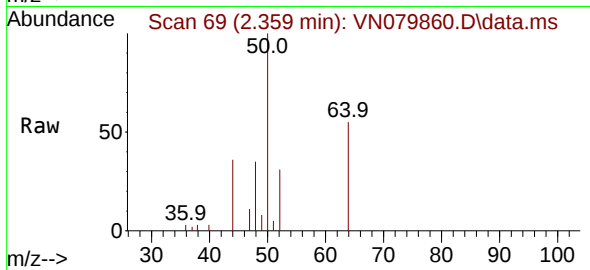
Tgt Ion: 85 Resp: 8560
Ion Ratio Lower Upper
85 100
87 23.4 15.8 47.4





#3
Chloromethane
Concen: 2.710 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

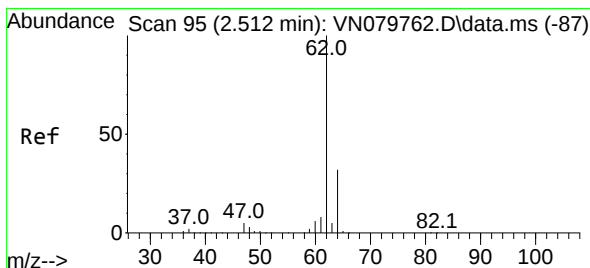
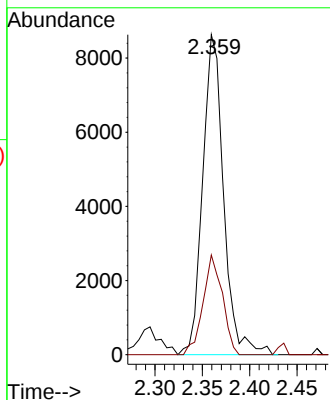
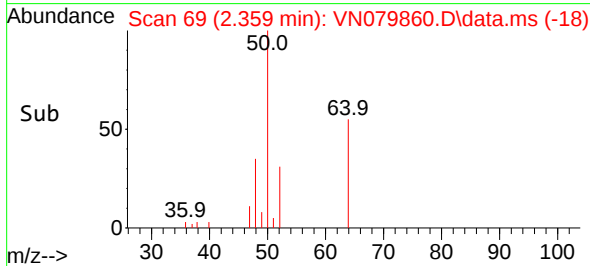
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Tgt Ion: 50 Resp: 13272
Ion Ratio Lower Upper
50 100
52 31.2 26.5 39.7

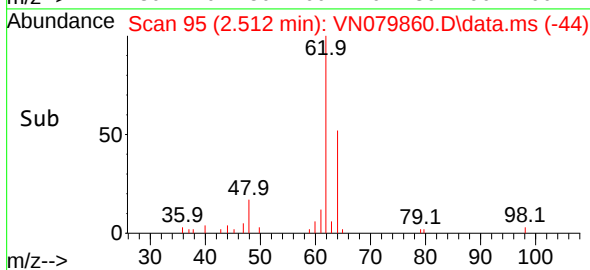
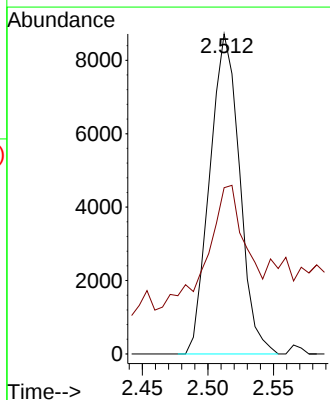
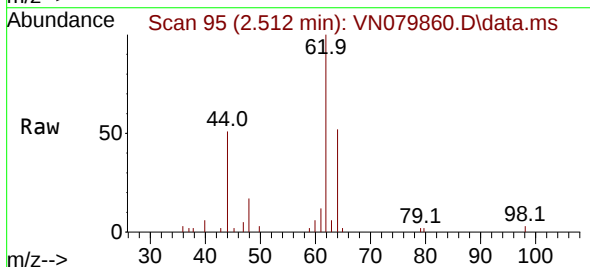
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#4
Vinyl Chloride
Concen: 3.399 ug/l
RT: 2.512 min Scan# 95
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

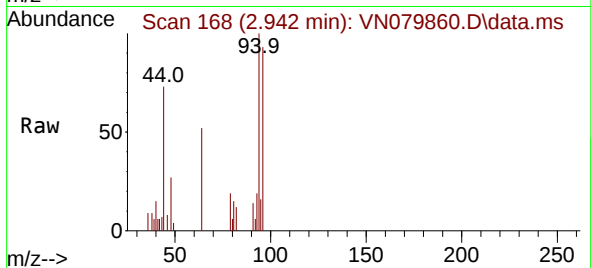
Tgt Ion: 62 Resp: 13816
Ion Ratio Lower Upper
62 100
64 33.8 26.2 39.2





#5
Bromomethane
Concen: 3.714 ug/l
RT: 2.942 min Scan# 117
Delta R.T. -0.012 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

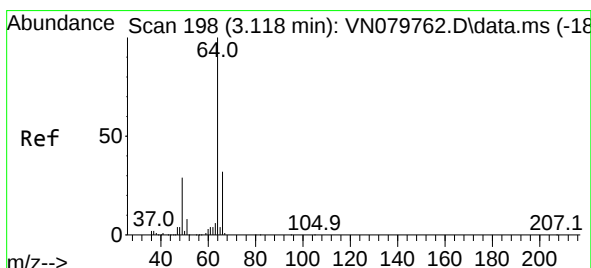
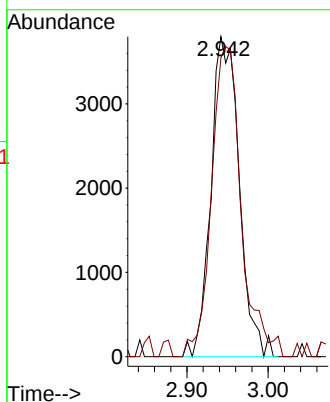
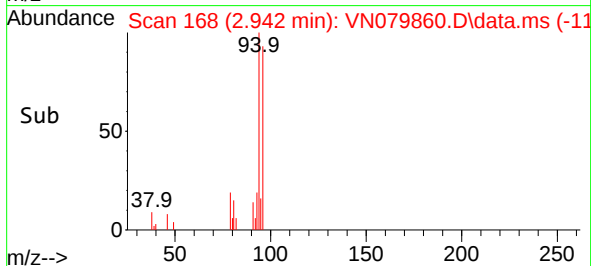
Instrument : MSVOA_N
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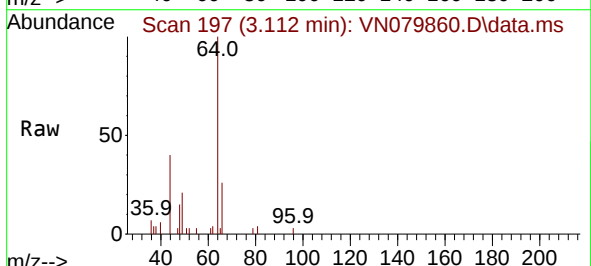
Tgt Ion: 94 Resp: 9172
Ion Ratio Lower Upper
94 100
96 93.4 73.1 109.7

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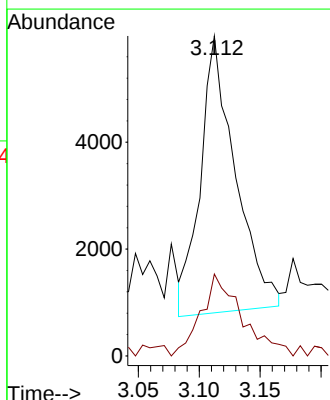
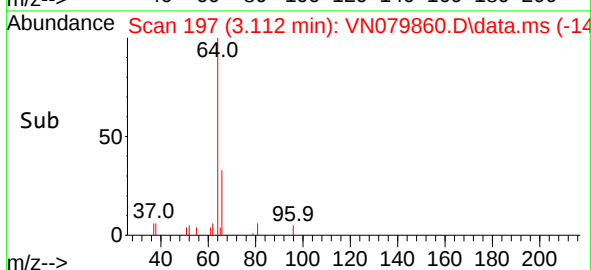
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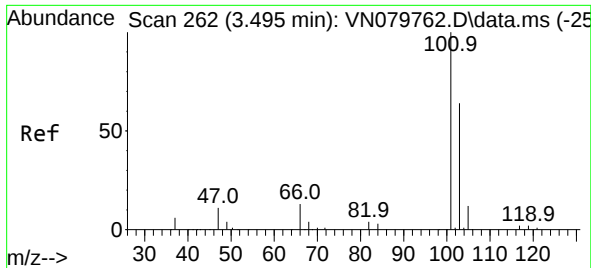


#6
Chloroethane
Concen: 3.225 ug/l m
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079860.D
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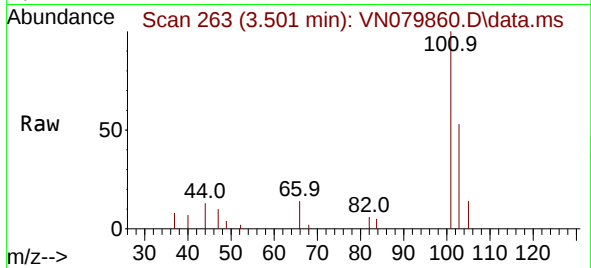
Tgt Ion: 64 Resp: 10358
Ion Ratio Lower Upper
64 100
66 25.6 25.4 38.2





#7
 Trichlorofluoromethane
 Concen: 3.041 ug/l
 RT: 3.501 min Scan# 263
 Delta R.T. 0.006 min
 Lab File: VN079860.D
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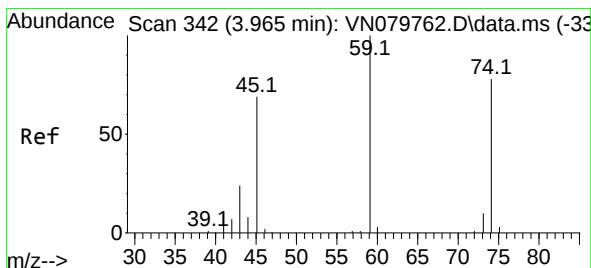
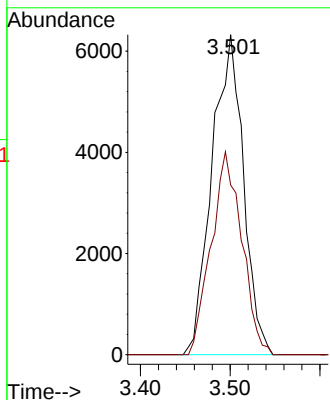
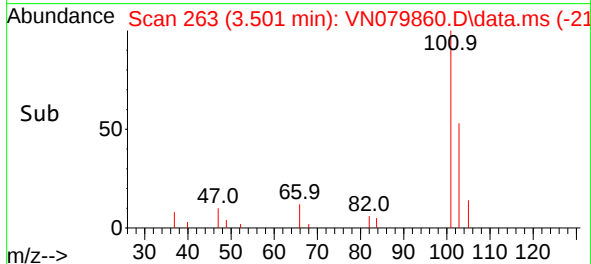
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023



Tgt Ion:101 Resp: 1537
 Ion Ratio Lower Upper
 101 100
 103 53.0 50.7 76.1

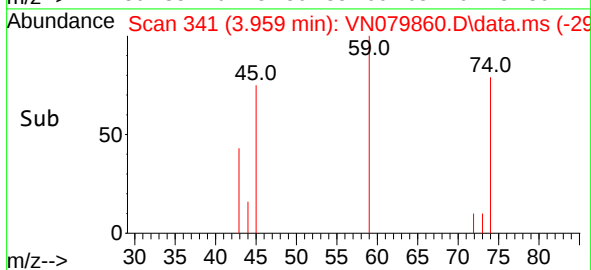
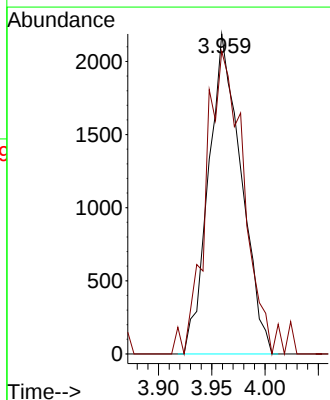
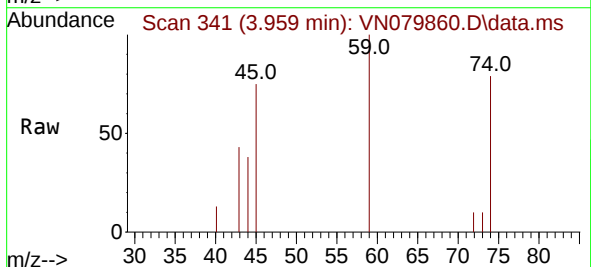
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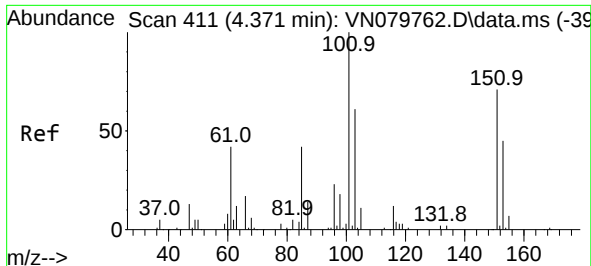
Reviewed By :John Carlone 11/04/2023
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#8
 Diethyl Ether
 Concen: 2.428 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN079860.D
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Tgt Ion: 74 Resp: 4658
 Ion Ratio Lower Upper
 74 100
 45 108.6 34.4 103.3#





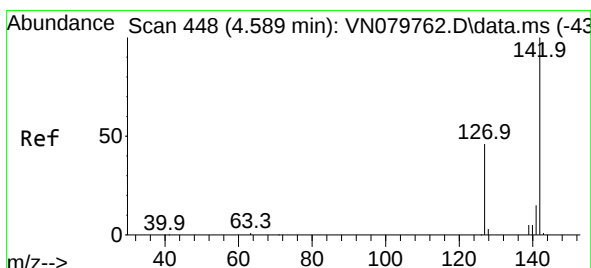
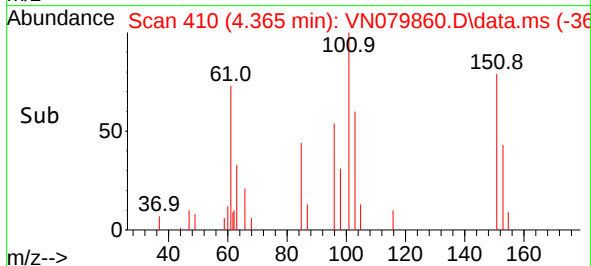
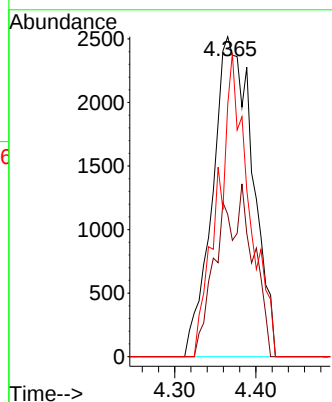
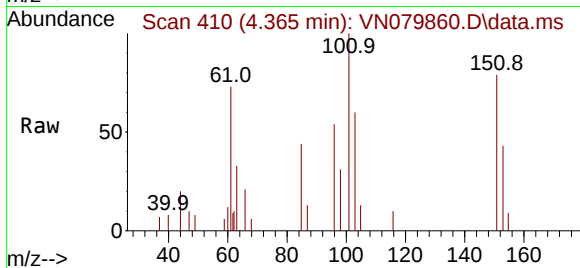
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.935 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:101 Resp: 860
Ion Ratio Lower Upper
101 100
85 23.8 36.6 55.0
151 73.9 57.6 86.4

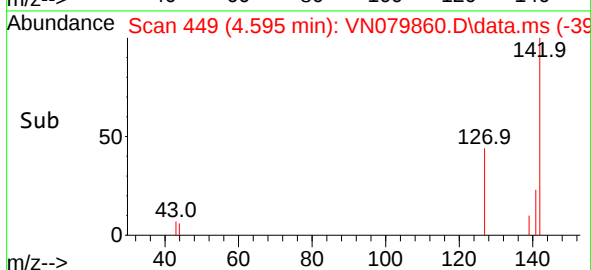
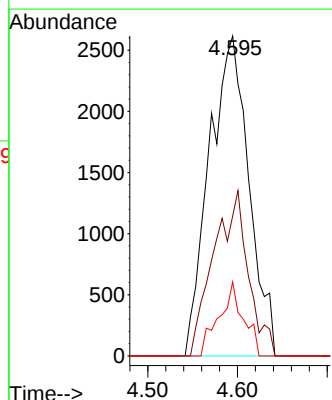
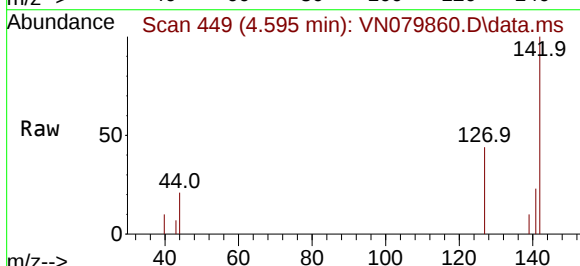
Manual Integrations
APPROVED

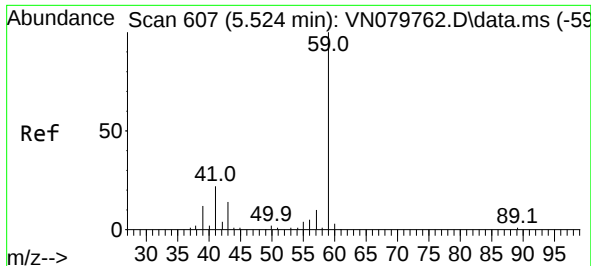
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#10
Methyl Iodide
Concen: 2.395 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

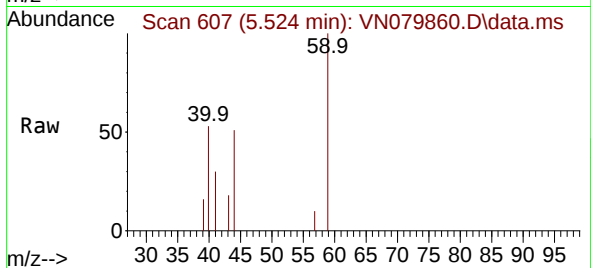
Tgt Ion:142 Resp: 8015
Ion Ratio Lower Upper
142 100
127 43.8 37.6 56.4
141 23.1 11.4 17.0#





#11
Tert butyl alcohol
Concen: 14.466 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

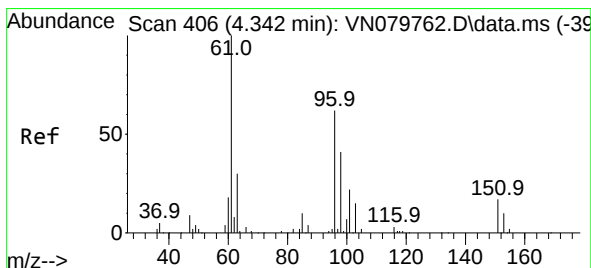
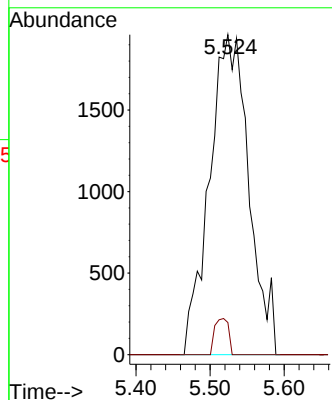
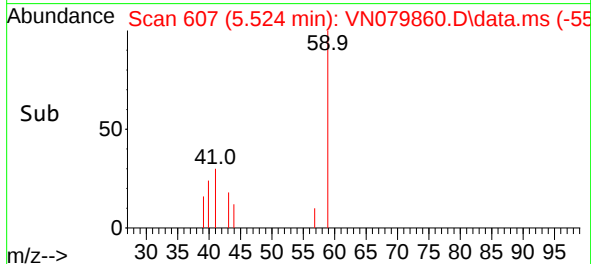
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



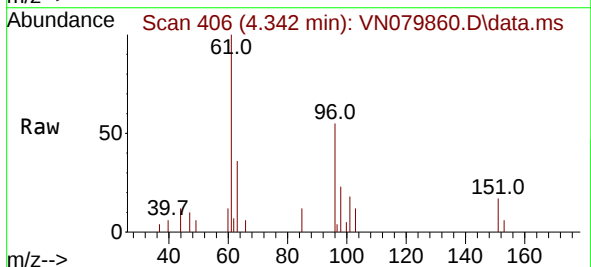
Tgt Ion: 59 Resp: 725
Ion Ratio Lower Upper
59 100
57 3.9 8.2 12.4

Manual Integrations
APPROVED

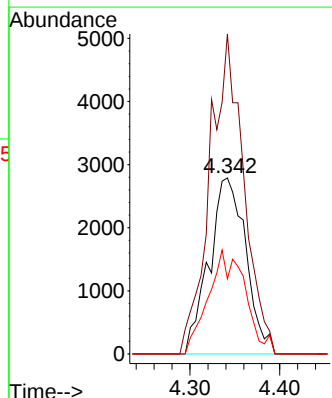
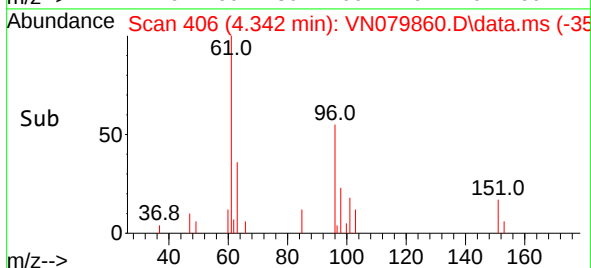
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

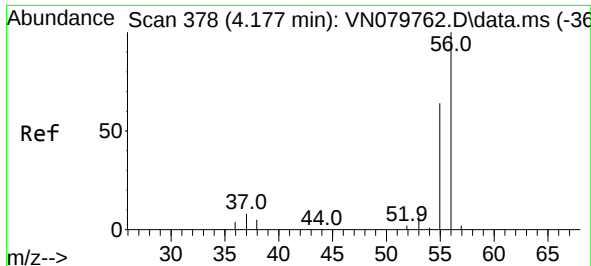


#12
1,1-Dichloroethene
Concen: 2.862 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38



Tgt Ion: 96 Resp: 7942
Ion Ratio Lower Upper
96 100
61 181.8 112.7 169.1#
98 42.7 51.2 76.8#





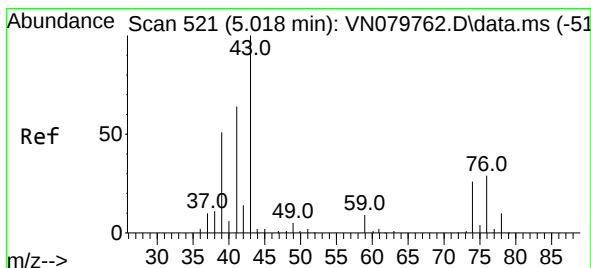
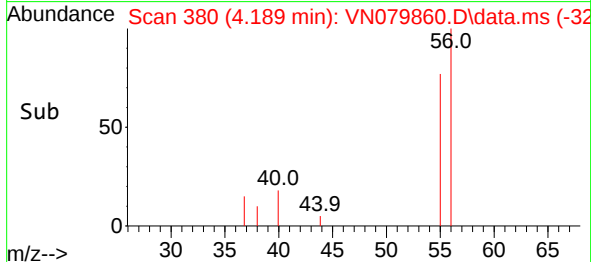
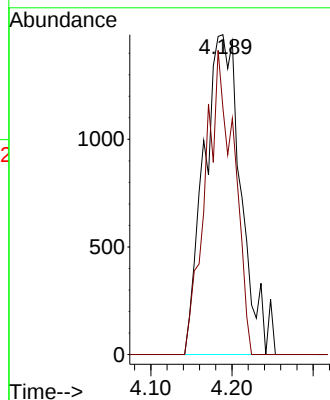
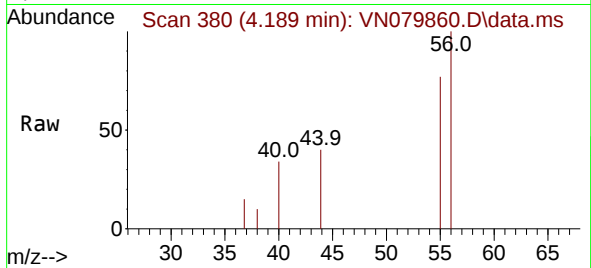
#13
Acrolein
Concen: 12.468 ug/l
RT: 4.189 min Scan# 30
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 56 Resp: 4729
Ion Ratio Lower Upper
56 100
55 73.1 54.5 81.7

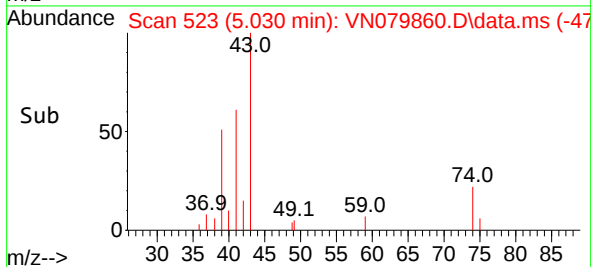
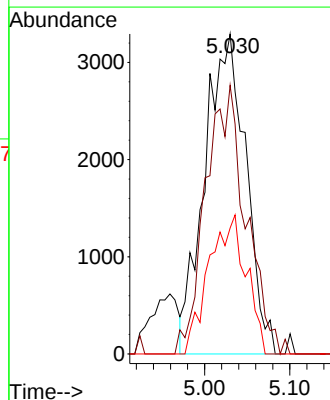
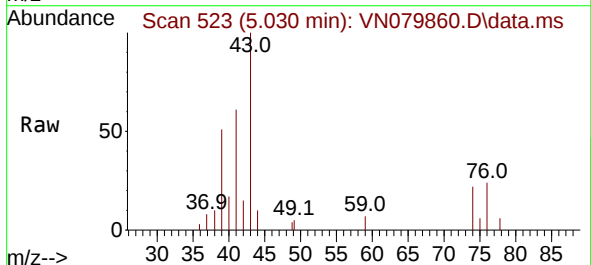
Manual Integrations
APPROVED

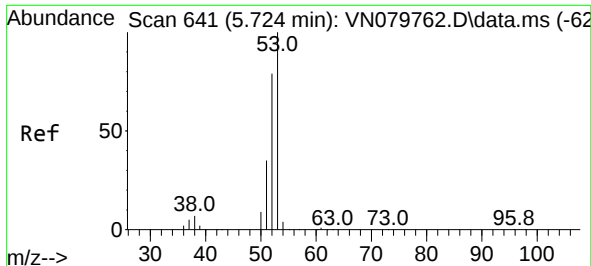
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#14
Allyl chloride
Concen: 2.598 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

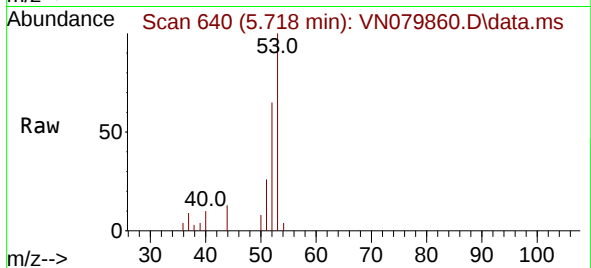
Tgt Ion: 41 Resp: 11040
Ion Ratio Lower Upper
41 100
39 82.5 58.8 88.2
76 39.4 39.1 58.7





#15
Acrylonitrile
Concen: 14.284 ug/l
RT: 5.718 min Scan# 641
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

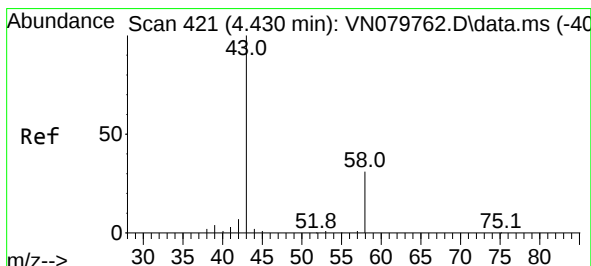
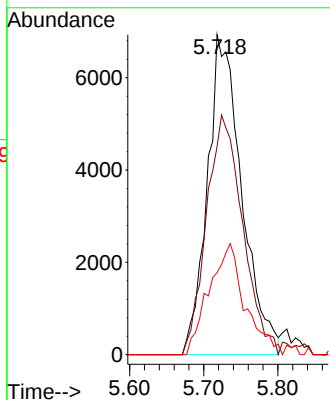
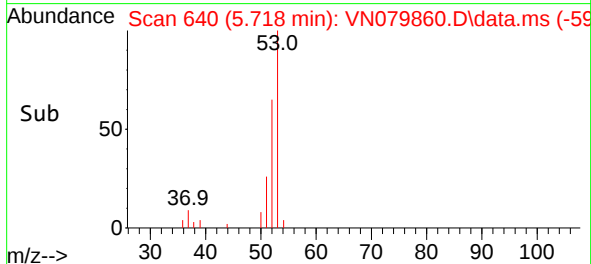
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



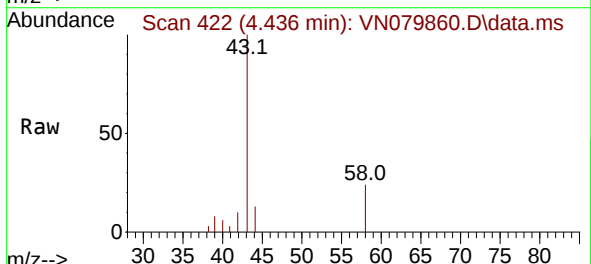
Tgt Ion: 53 Resp: 22318
Ion Ratio Lower Upper
53 100
52 78.8 65.3 97.9
51 36.3 28.9 43.3

Manual Integrations
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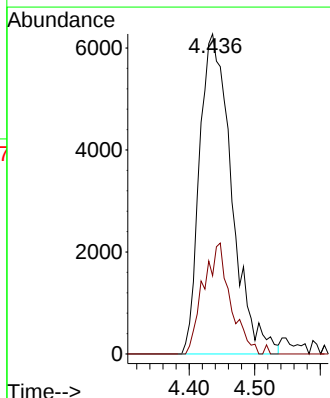
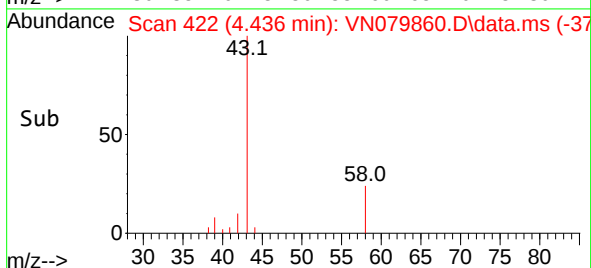
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

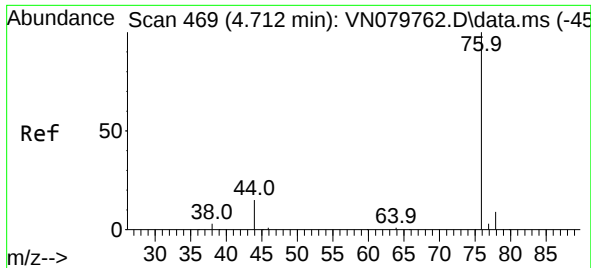


#16
Acetone
Concen: 15.438 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38



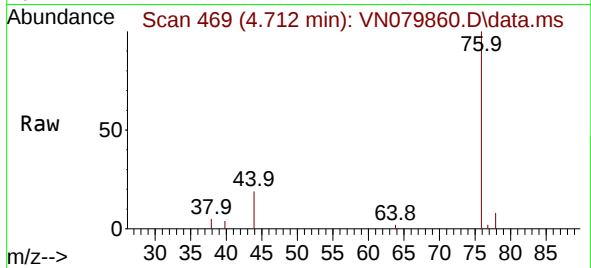
Tgt Ion: 43 Resp: 21299
Ion Ratio Lower Upper
43 100
58 24.5 28.0 42.0#





#17
Carbon Disulfide
Concen: 2.897 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

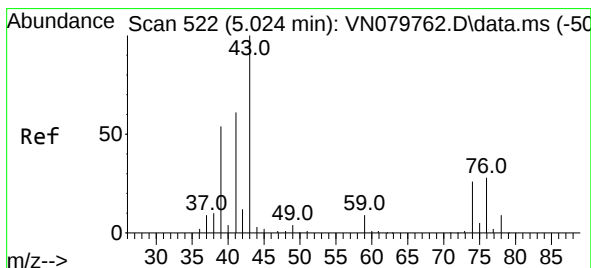
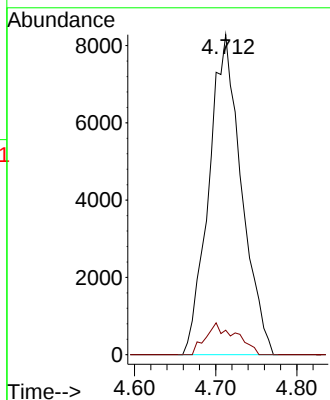
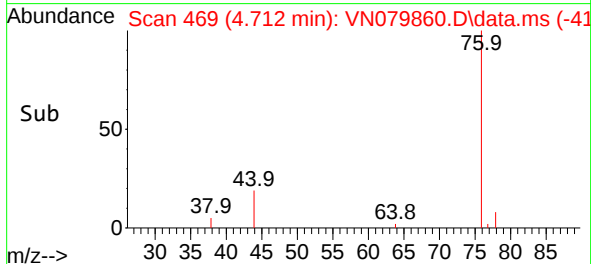
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



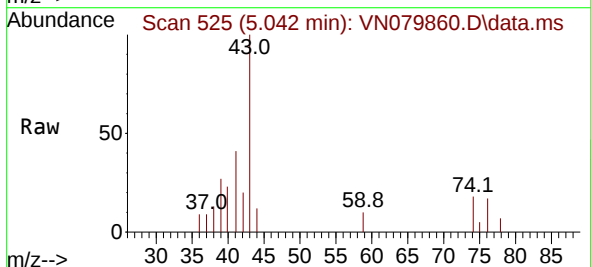
Tgt Ion: 76 Resp: 2319
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.0

Manual Integrations
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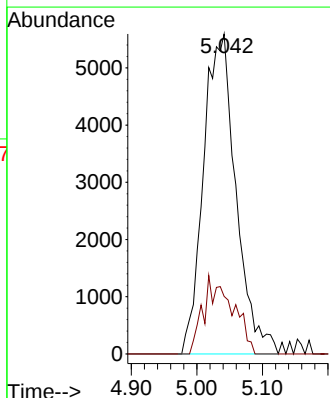
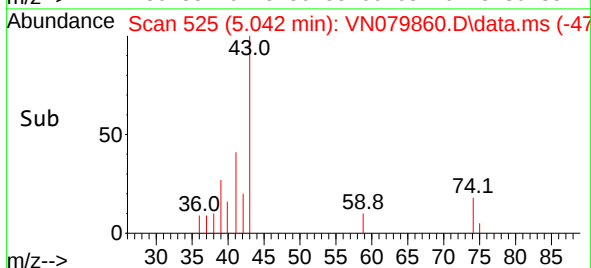
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

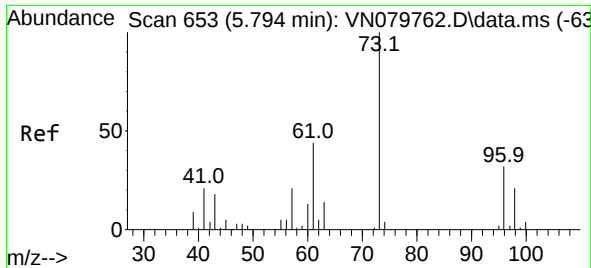


#18
Methyl Acetate
Concen: 2.914 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.018 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38



Tgt Ion: 43 Resp: 19234
Ion Ratio Lower Upper
43 100
74 0.0 26.2 39.4#





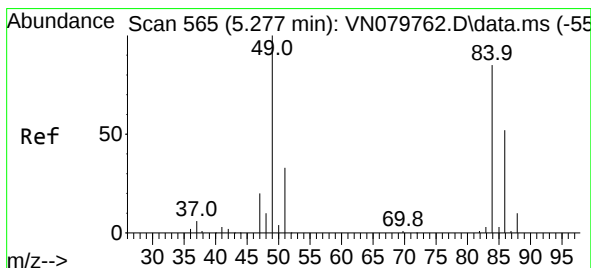
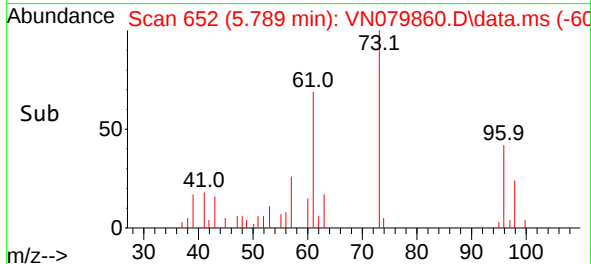
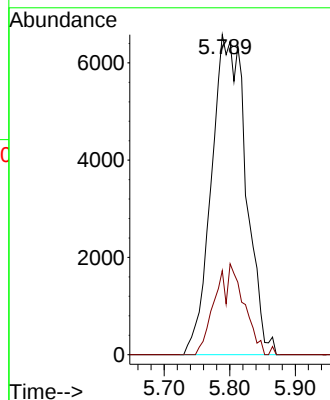
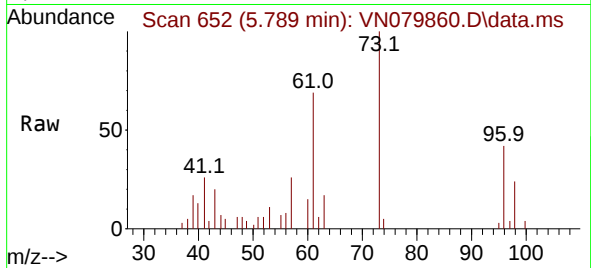
#19
Methyl tert-butyl Ether
Concen: 2.519 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 73 Resp: 24070
Ion Ratio Lower Upper
73 100
57 26.3 15.6 23.4

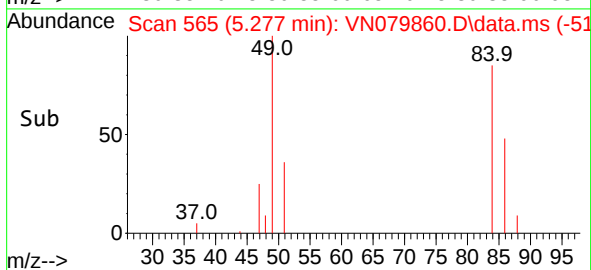
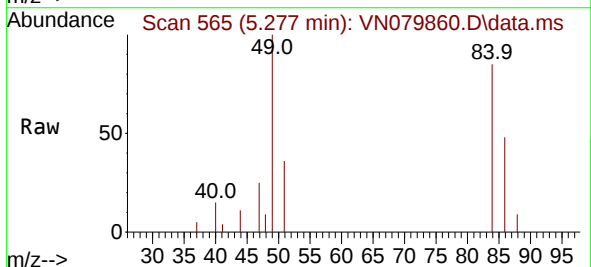
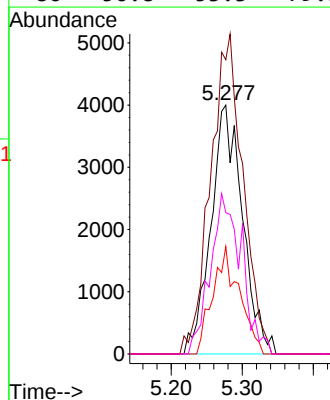
Manual Integrations
APPROVED

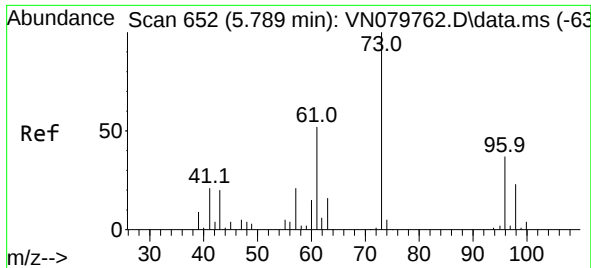
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#20
Methylene Chloride
Concen: 3.560 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

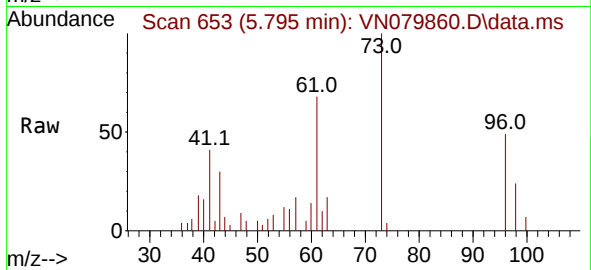
Tgt Ion: 84 Resp: 12394
Ion Ratio Lower Upper
84 100
49 118.2 79.7 119.5
51 43.2 25.2 37.8
86 56.8 53.3 79.9





#21
trans-1,2-Dichloroethene
Concen: 2.651 ug/l
RT: 5.795 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

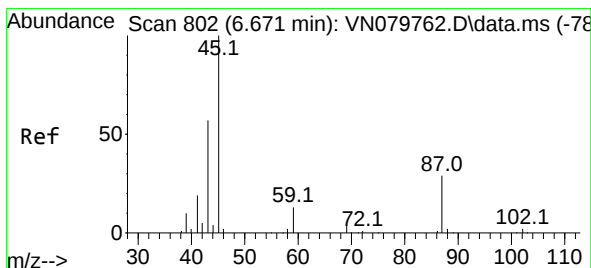
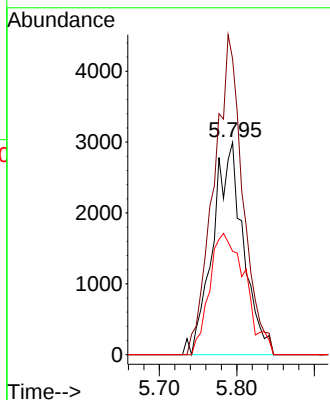
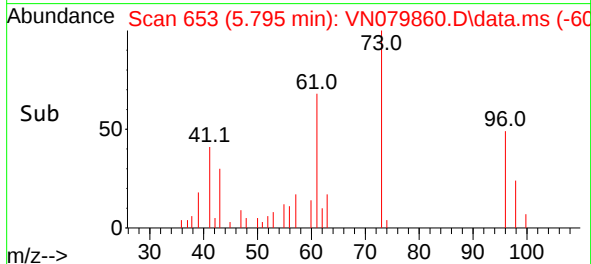
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 96 Resp: 8204
Ion Ratio Lower Upper
96 100
61 139.3 90.1 135.1
98 48.7 46.4 69.6

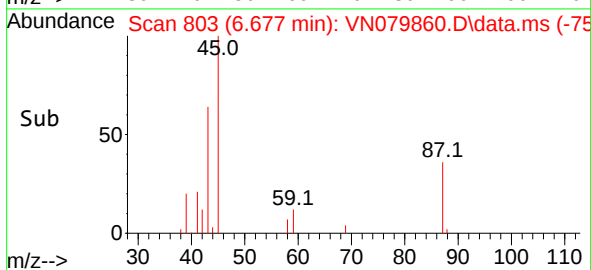
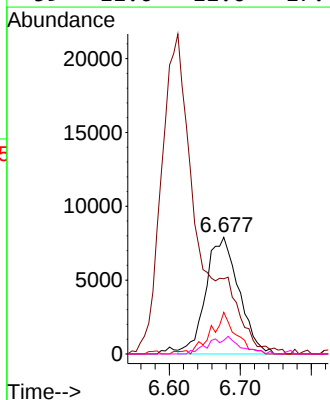
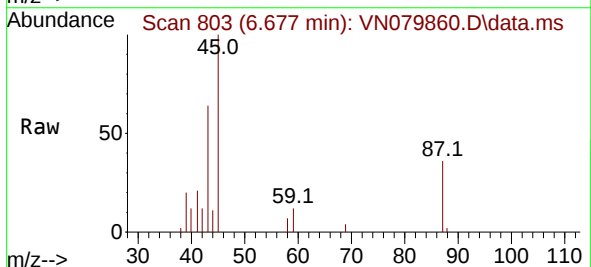
Manual Integrations
APPROVED

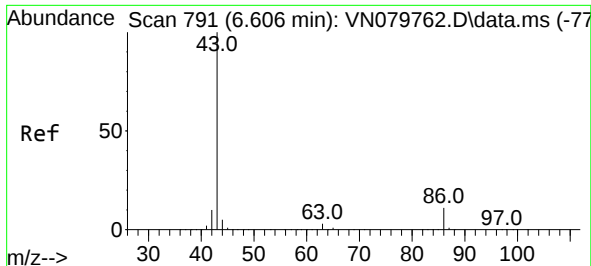
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#22
Diisopropyl ether
Concen: 2.586 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion: 45 Resp: 25471
Ion Ratio Lower Upper
45 100
43 61.1 45.5 68.3
87 35.7 31.8 47.8
59 11.6 11.6 17.4





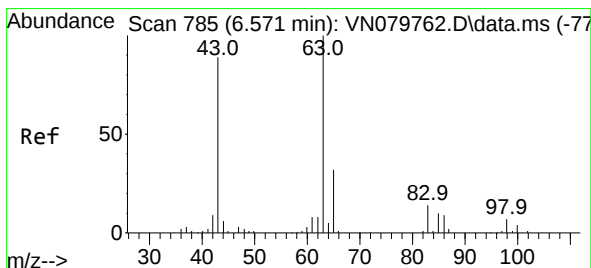
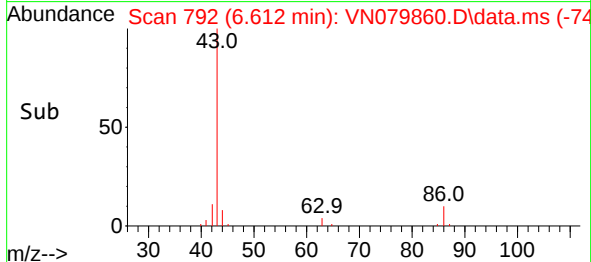
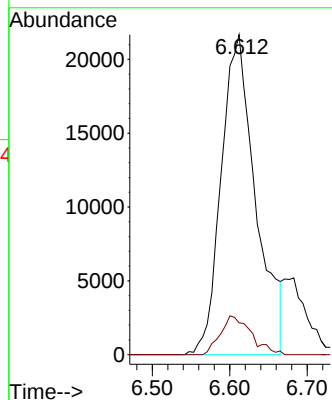
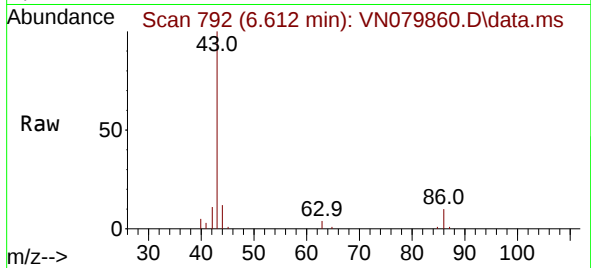
#23
 Vinyl Acetate
 Concen: 12.345 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023

Tgt Ion: 43 Resp: 67068
 Ion Ratio Lower Upper
 43 100
 86 9.9 13.0 19.6

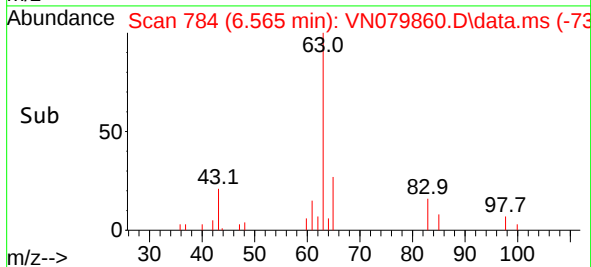
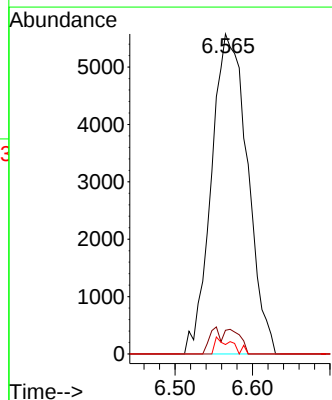
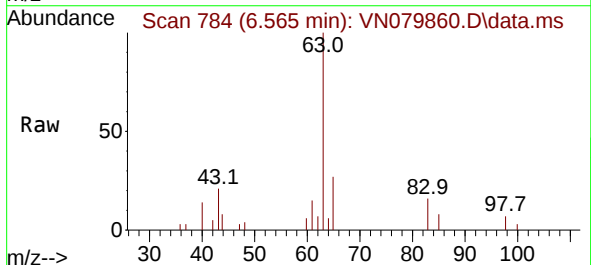
Manual Integrations
 APPROVED

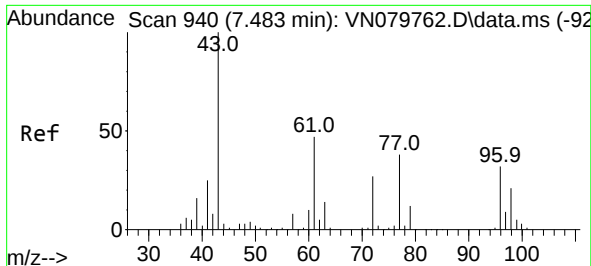
Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#24
 1,1-Dichloroethane
 Concen: 3.014 ug/l
 RT: 6.565 min Scan# 784
 Delta R.T. -0.006 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

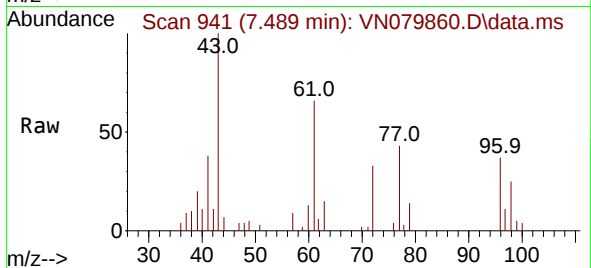
Tgt Ion: 63 Resp: 18046
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.9 11.7
 100 2.9 2.5 7.4





#25
2-Butanone
Concen: 13.756 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

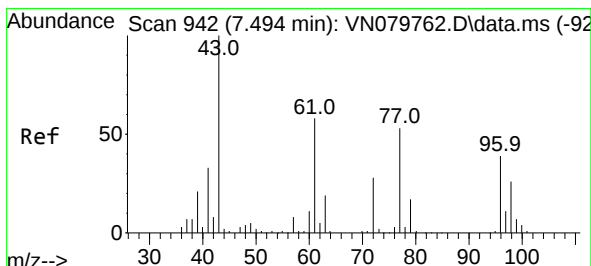
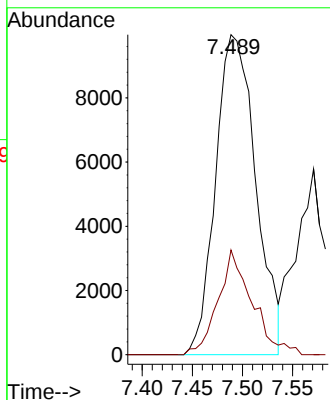
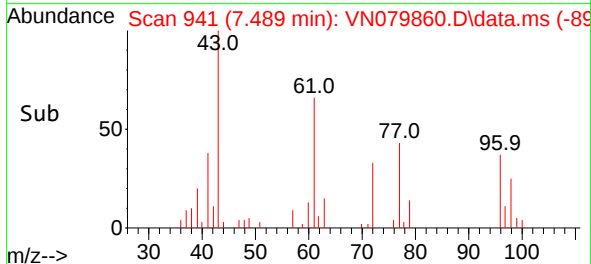
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 43 Resp: 27790
Ion Ratio Lower Upper
43 100
72 32.7 30.2 45.2

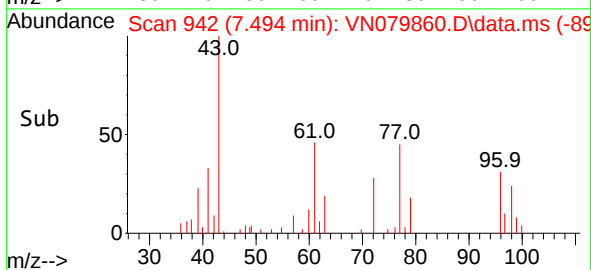
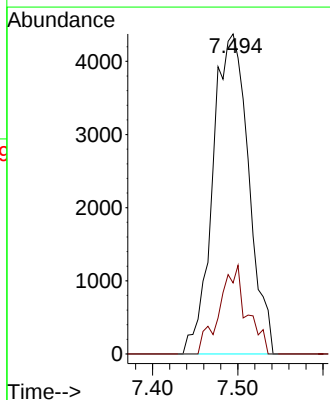
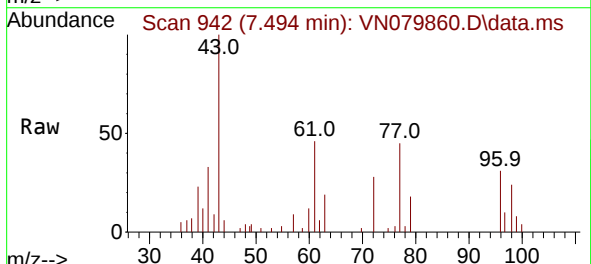
Manual Integrations
APPROVED

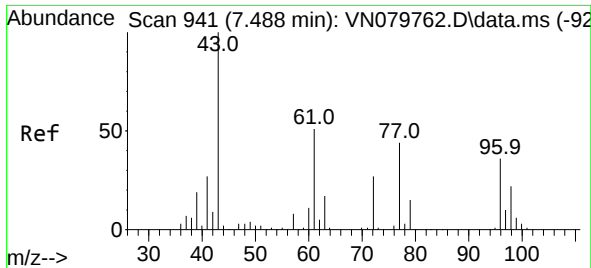
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#26
2,2-Dichloropropane
Concen: 2.580 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

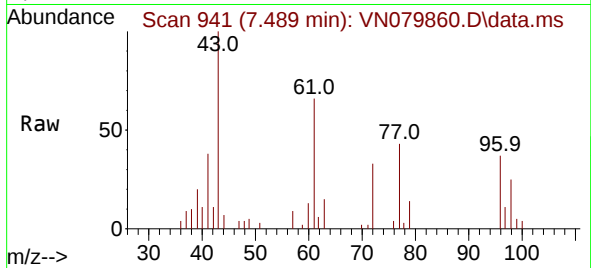
Tgt Ion: 77 Resp: 12773
Ion Ratio Lower Upper
77 100
97 21.2 11.2 33.6





#27
 cis-1,2-Dichloroethene
 Concen: 2.665 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.000 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

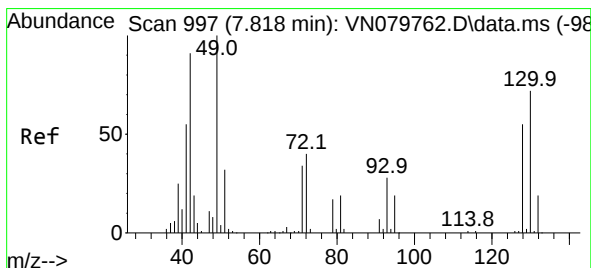
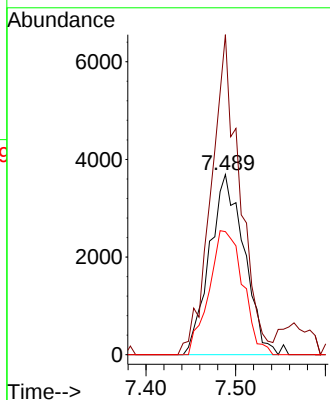
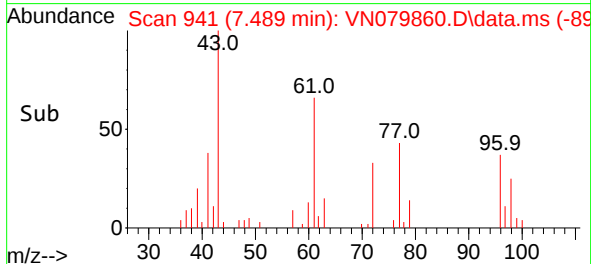
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023



Tgt Ion: 96 Resp: 986
 Ion Ratio Lower Upper
 96 100
 61 148.3 0.0 255.2
 98 67.6 0.0 128.8

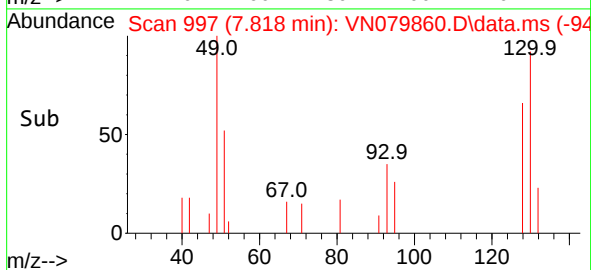
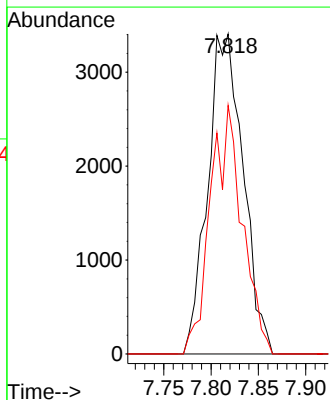
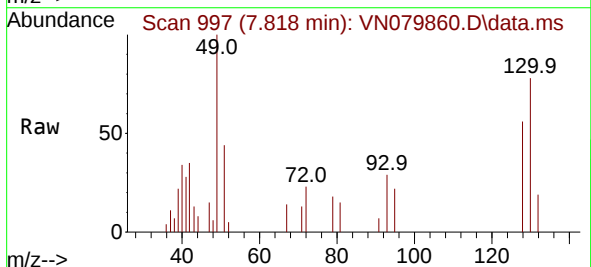
Manual Integrations
 APPROVED

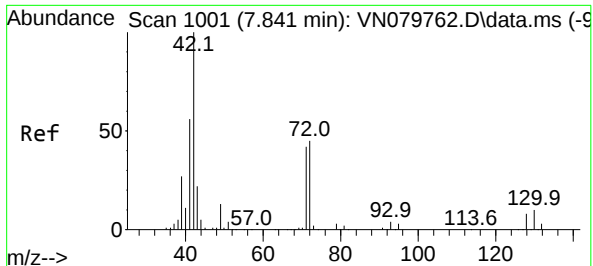
Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023



#28
 Bromochloromethane
 Concen: 3.040 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. 0.006 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

Tgt Ion: 49 Resp: 8869
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 70.0 75.3 112.9#





#29

Tetrahydrofuran

Concen: 13.336 ug/l

RT: 7.847 min Scan# 1001

Delta R.T. 0.006 min

Lab File: VN079860.D

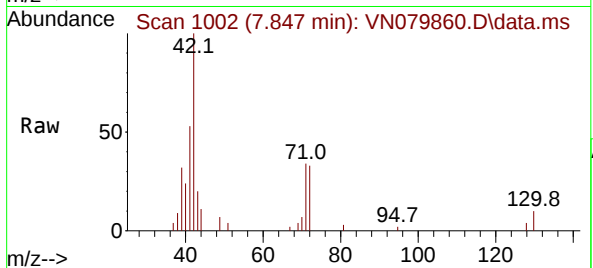
Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023



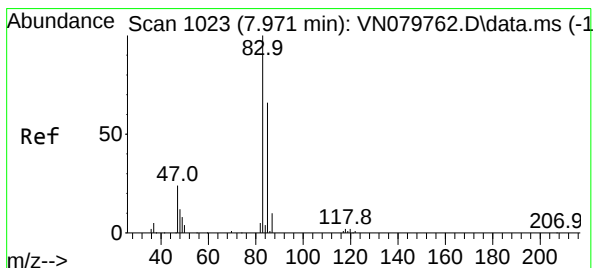
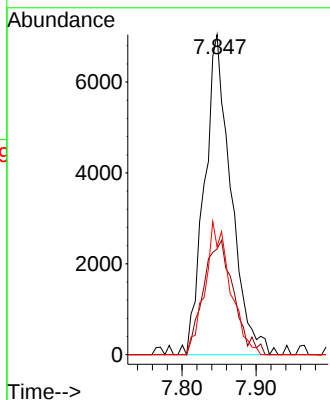
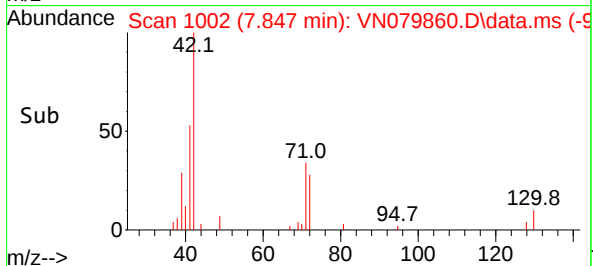
Tgt Ion:	42	Resp:	17529
Ion Ratio	Lower	Upper	
42	100		
72	40.6	49.8	74.6
71	39.6	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#30

Chloroform

Concen: 3.327 ug/l

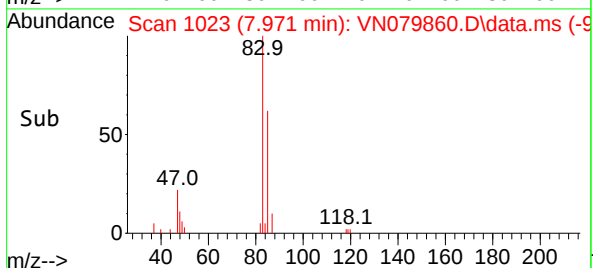
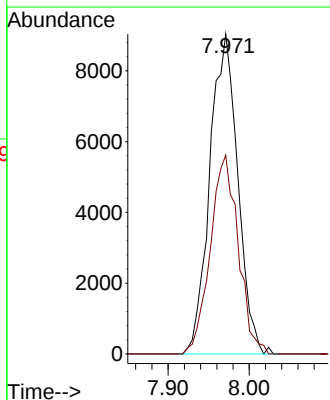
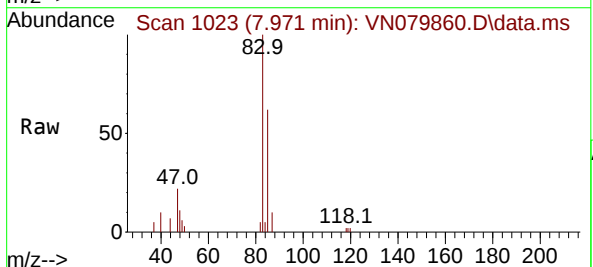
RT: 7.971 min Scan# 1023

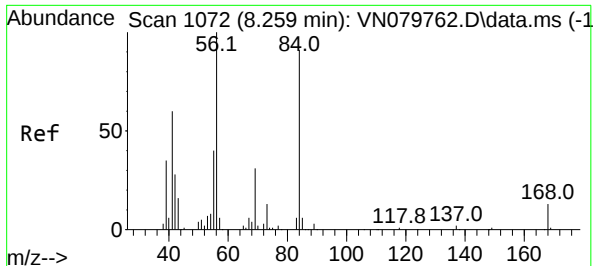
Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

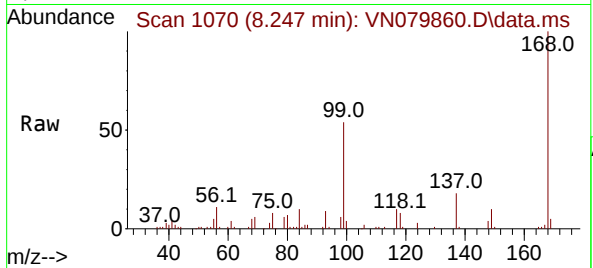
Tgt Ion:	83	Resp:	21633
Ion Ratio	Lower	Upper	
83	100		
85	62.1	55.4	83.0





#31
Cyclohexane
Concen: 3.792 ug/l
RT: 8.247 min Scan# 1070
Delta R.T. -0.012 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

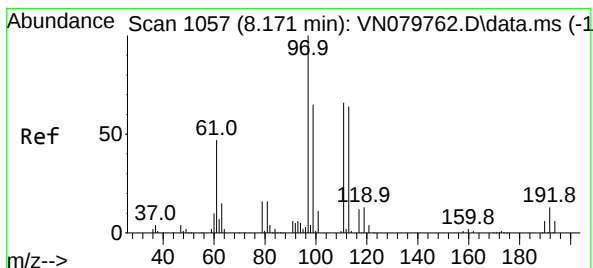
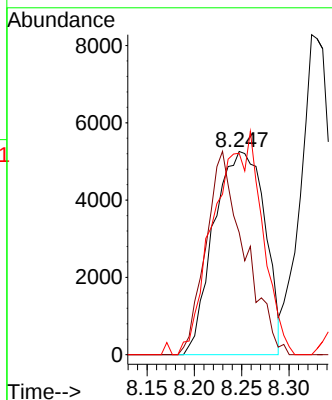
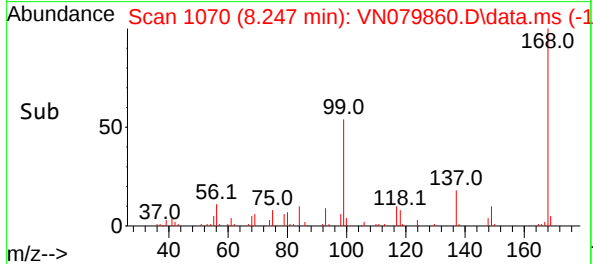
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 56 Resp: 1968
Ion Ratio Lower Upper
56 100
69 60.2 26.8 40.2
84 99.1 81.8 122.6

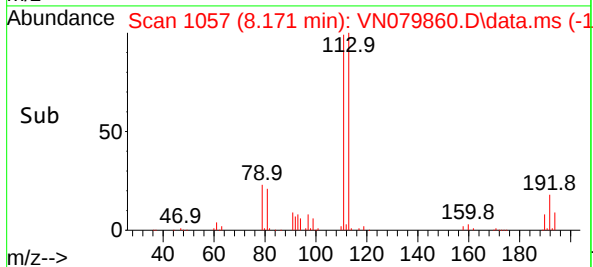
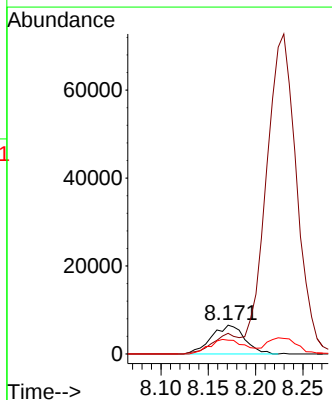
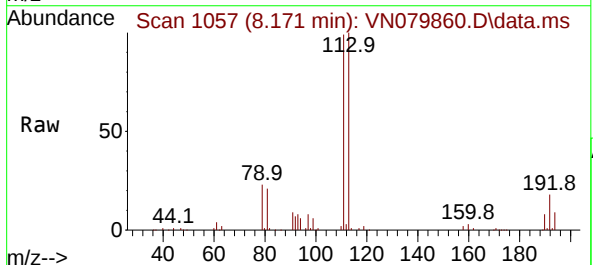
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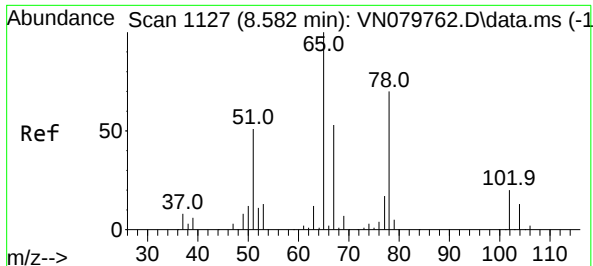
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#32
1,1,1-Trichloroethane
Concen: 3.011 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion: 97 Resp: 15952
Ion Ratio Lower Upper
97 100
99 55.4 50.3 75.5
61 52.8 34.7 52.1#





#33

1,2-Dichloroethane-d4

Concen: 62.654 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 65 Resp: 24608

Ion Ratio Lower Upper

65 100

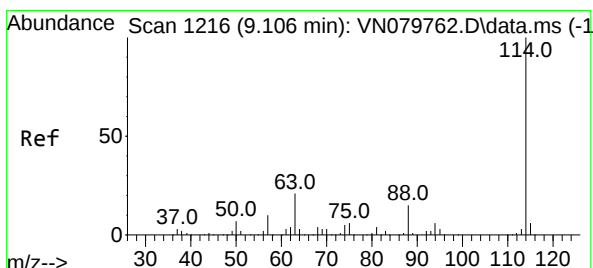
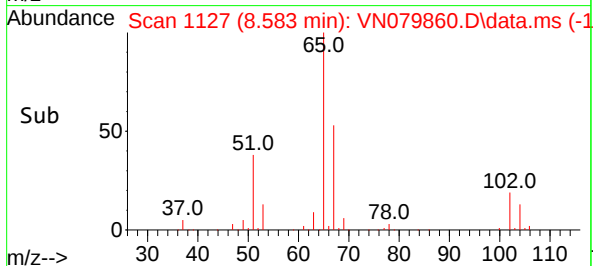
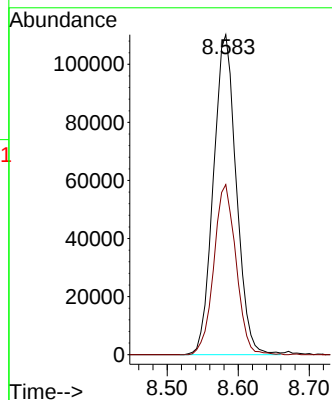
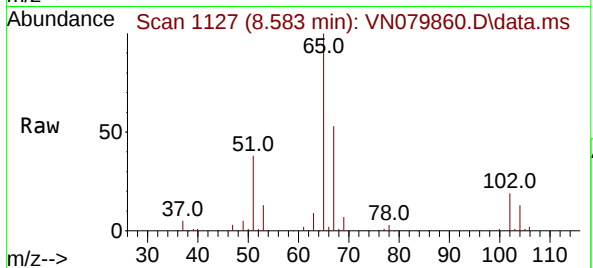
67 51.5 0.0 106.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

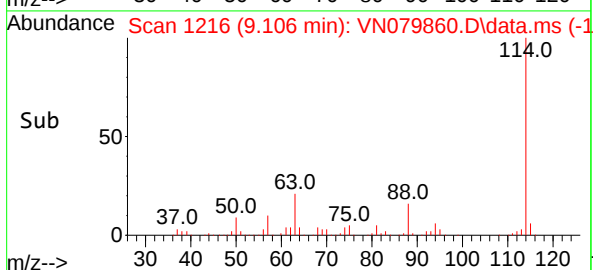
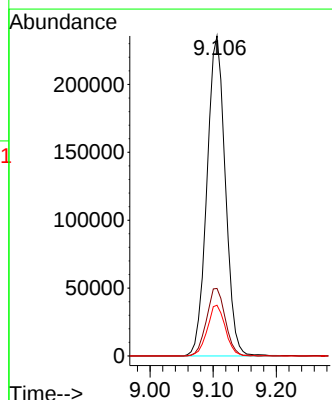
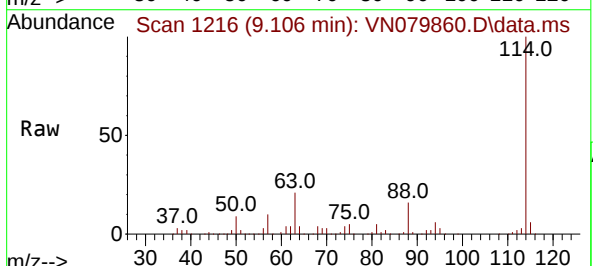
Tgt Ion:114 Resp: 476315

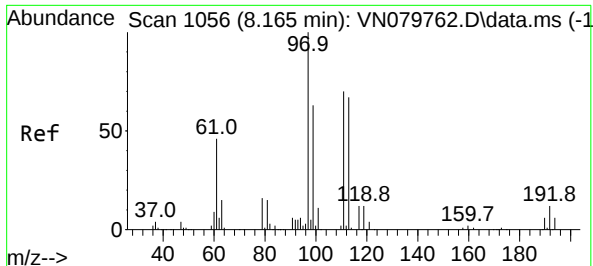
Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 15.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 55.546 ug/l

RT: 8.171 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 113 Resp: 18725

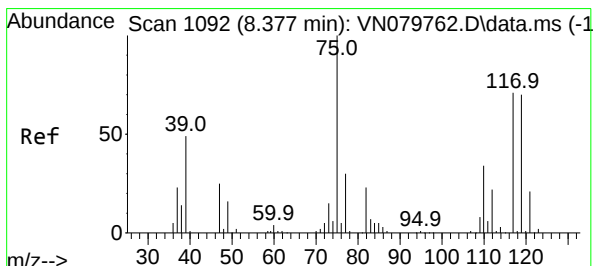
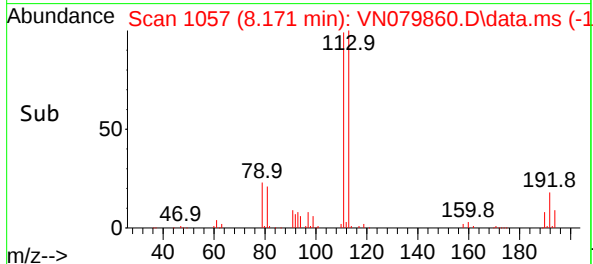
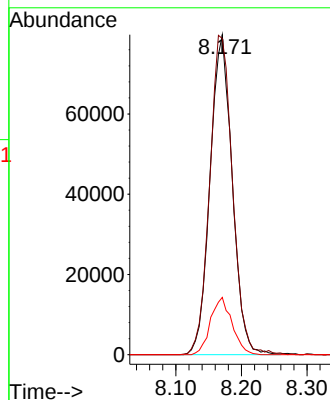
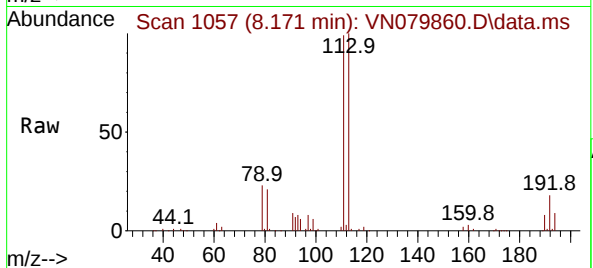
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	17.4	12.7	19.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#36

1,1-Dichloropropene

Concen: 2.609 ug/l

RT: 8.383 min Scan# 1093

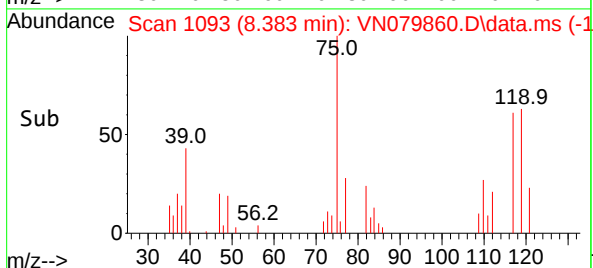
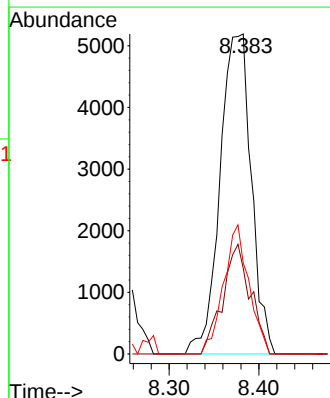
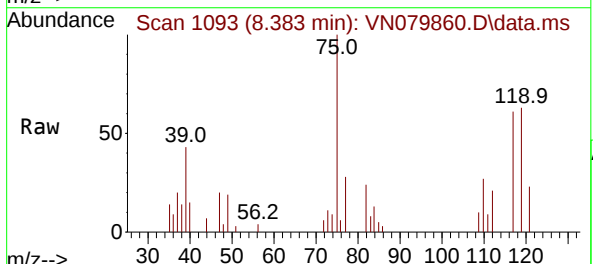
Delta R.T. 0.006 min

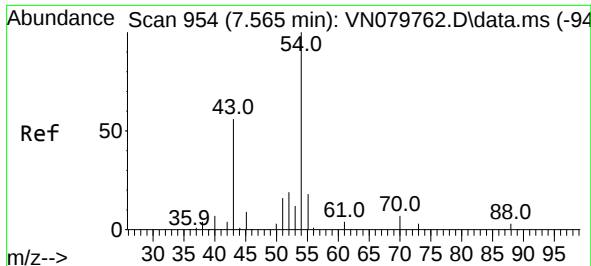
Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Tgt Ion: 75 Resp: 12558

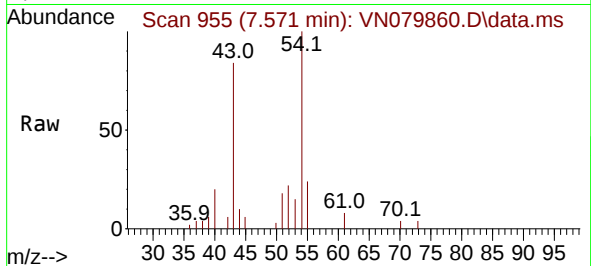
Ion	Ratio	Lower	Upper
75	100		
110	30.4	19.1	57.3
77	32.8	25.0	37.4





#37
Ethyl Acetate
Concen: 3.180 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

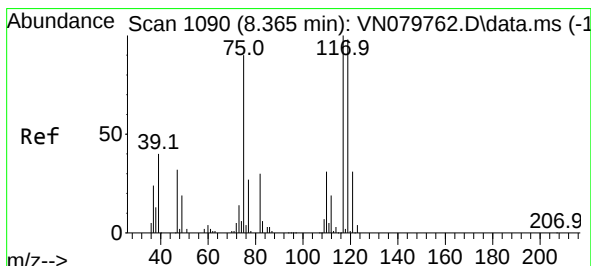
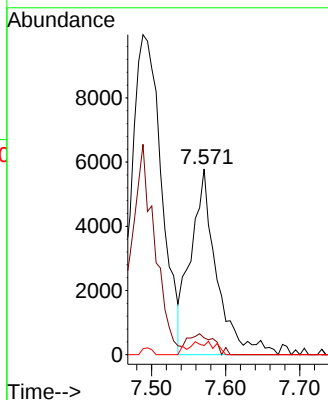
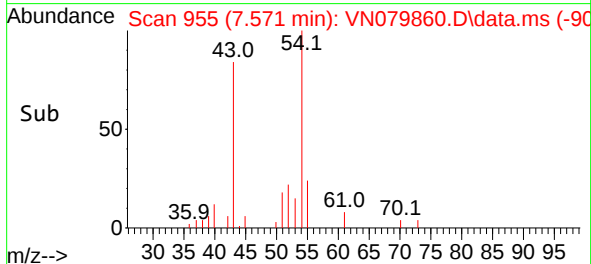
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 43 Resp: 1403
Ion Ratio Lower Upper
43 100
61 11.0 13.2 19.8
70 4.3 11.3 16.9

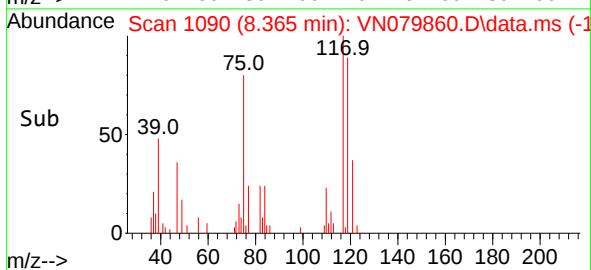
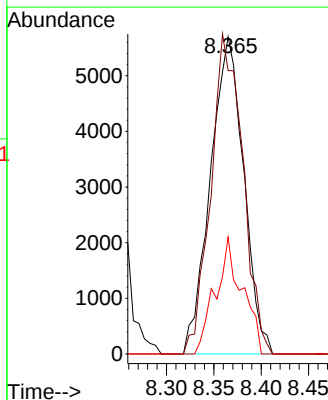
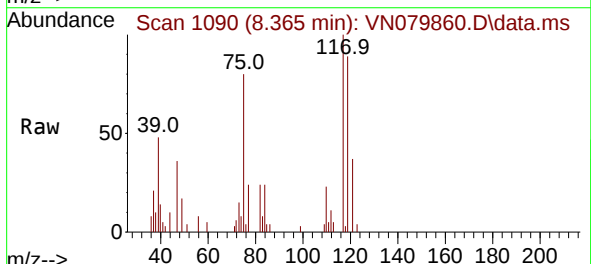
Manual Integrations
APPROVED

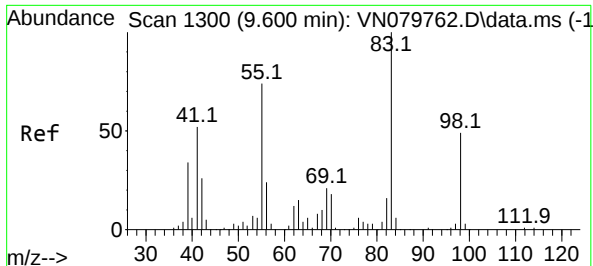
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#38
Carbon Tetrachloride
Concen: 2.871 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion:117 Resp: 13929
Ion Ratio Lower Upper
117 100
119 89.4 77.3 115.9
121 36.8 23.3 34.9





#39

Methylcyclohexane

Concen: 2.301 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

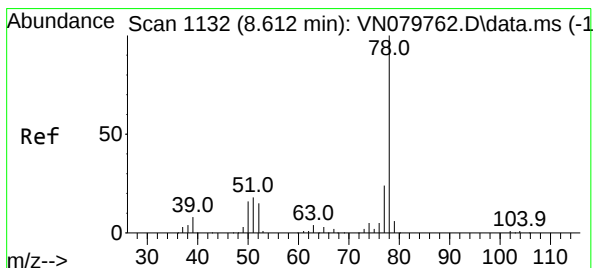
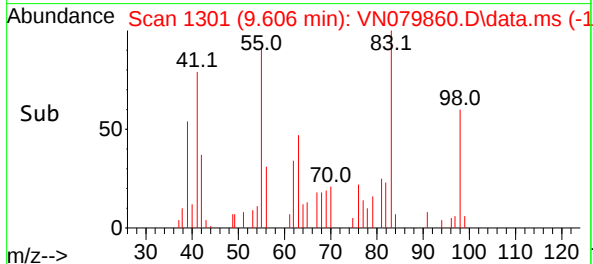
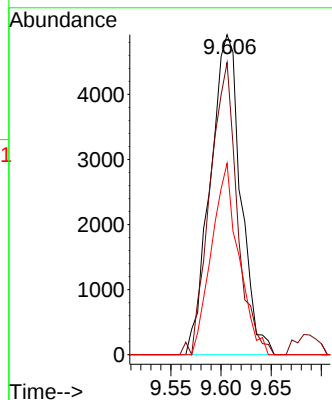
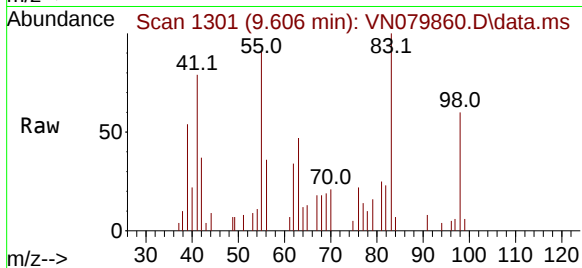
Tgt Ion: 83	Resp: 1042
Ion Ratio	Lower Upper
83	100
55	91.3 49.1 73.7
98	59.8 40.6 61.0

Manual Integrations

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Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#40

Benzene

Concen: 2.775 ug/l

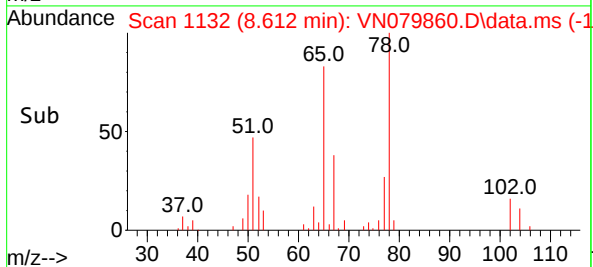
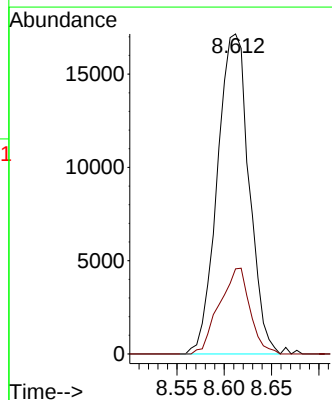
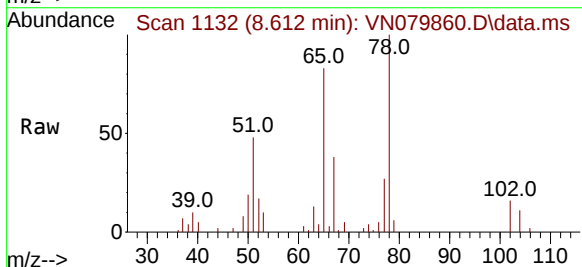
RT: 8.612 min Scan# 1132

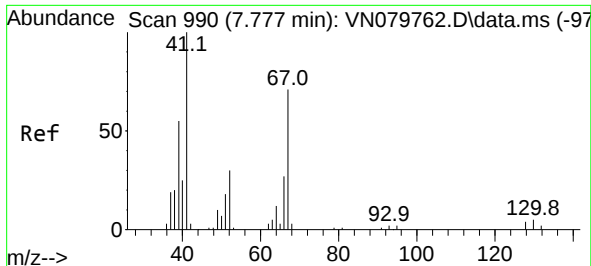
Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

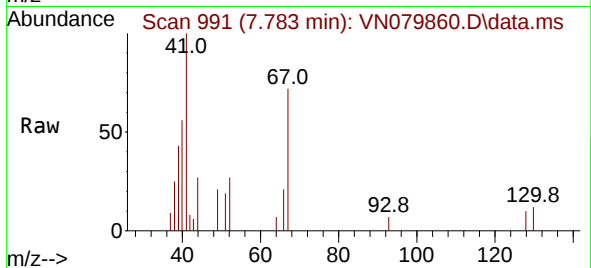
Tgt Ion: 78	Resp: 40009
Ion Ratio	Lower Upper
78	100
77	26.6 19.0 28.6





#41
Methacrylonitrile
Concen: 2.819 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

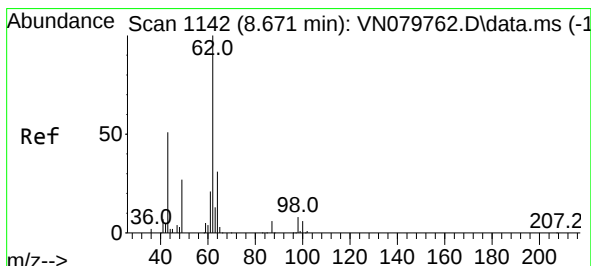
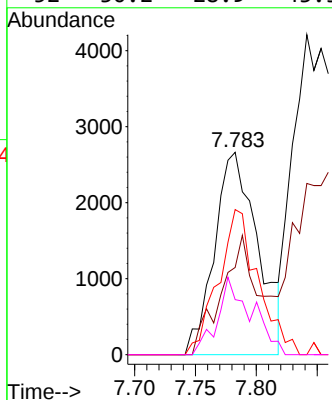
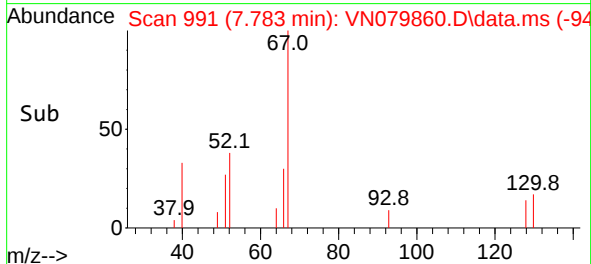
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



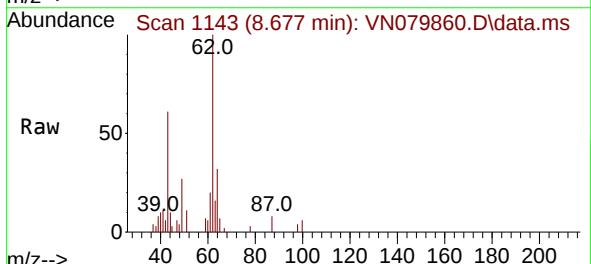
Tgt Ion: 41 Resp: 6608
Ion Ratio Lower Upper
41 100
39 45.7 42.6 64.0
67 65.7 77.5 116.3
52 30.2 28.9 43.3

Manual Integrations
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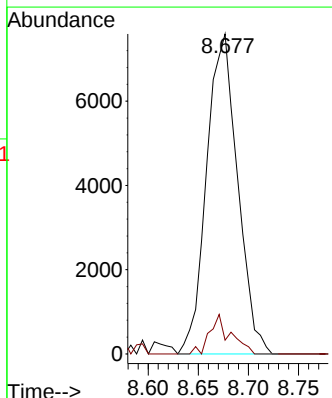
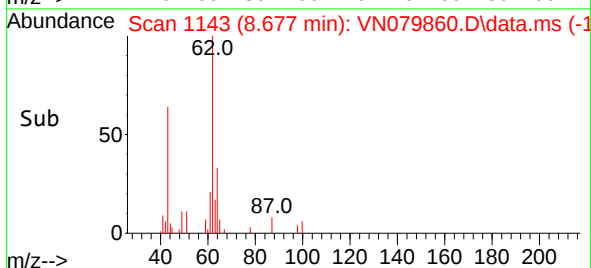
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

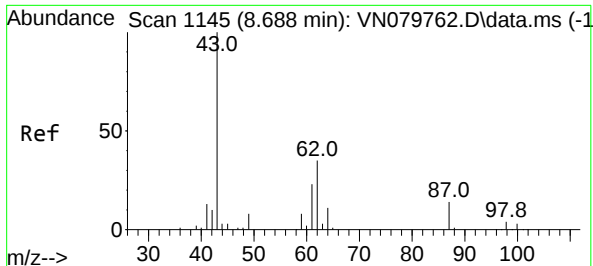


#42
1,2-Dichloroethane
Concen: 3.251 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38



Tgt Ion: 62 Resp: 16374
Ion Ratio Lower Upper
62 100
98 8.2 0.0 19.8





#43

Isopropyl Acetate

Concen: 2.513 ug/l

RT: 8.694 min Scan# 1145

Delta R.T. 0.006 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

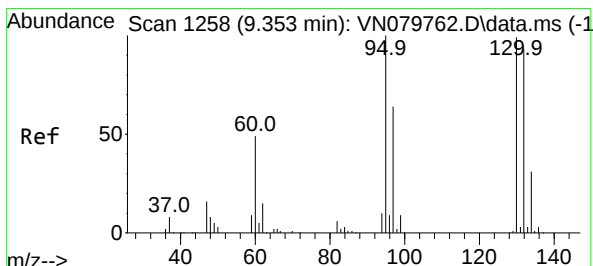
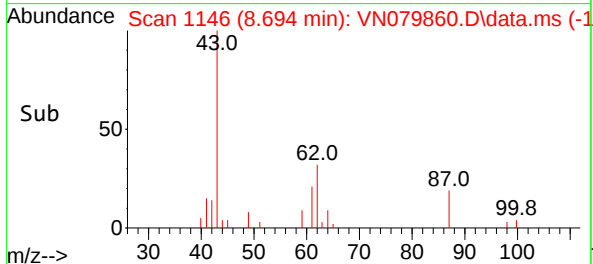
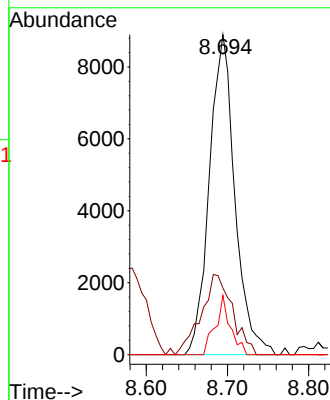
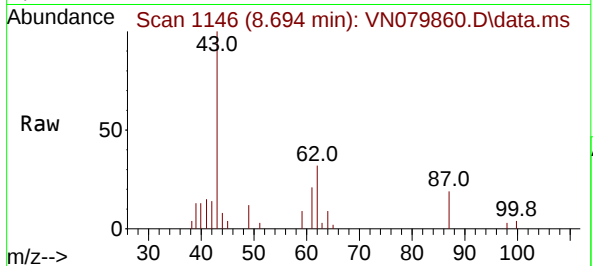
Tgt Ion: 43	Resp: 1945
Ion Ratio	Lower Upper
43 100	
61 30.6	24.7 37.1
87 10.8	14.6 21.8

Manual Integrations

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Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#44

Trichloroethene

Concen: 2.602 ug/l

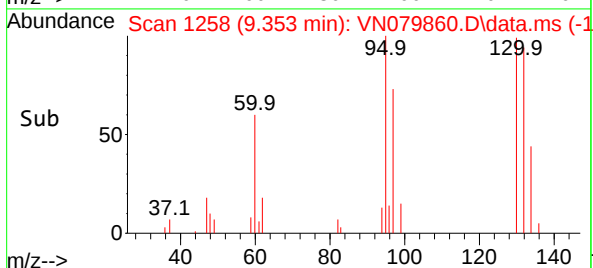
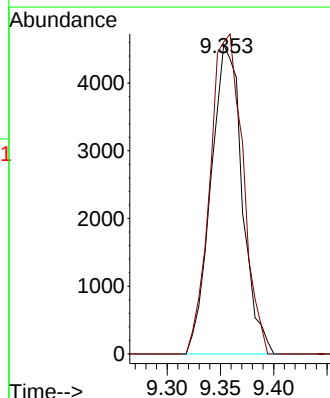
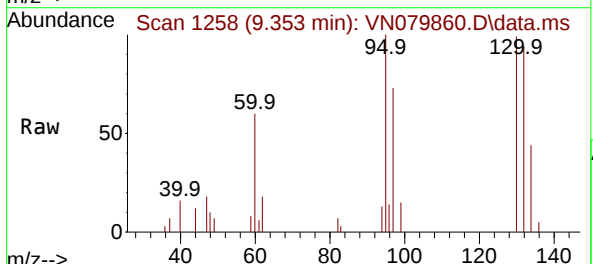
RT: 9.353 min Scan# 1258

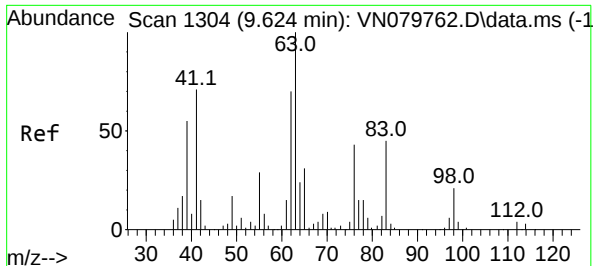
Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Tgt Ion:130	Resp: 9308
Ion Ratio	Lower Upper
130 100	
95 100.8	0.0 204.6





#45

1,2-Dichloropropane

Concen: 2.987 ug/l

RT: 9.624 min Scan# 1100

Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

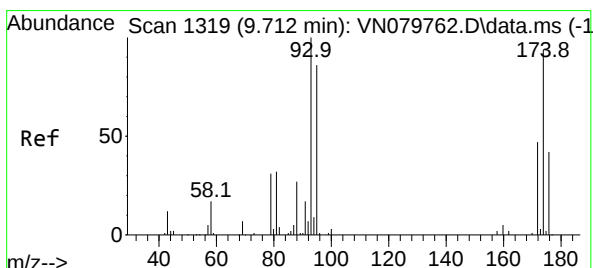
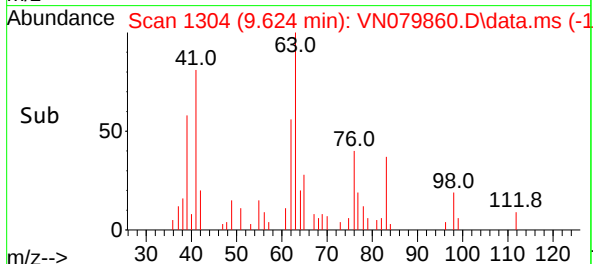
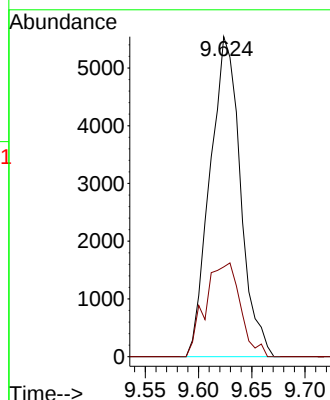
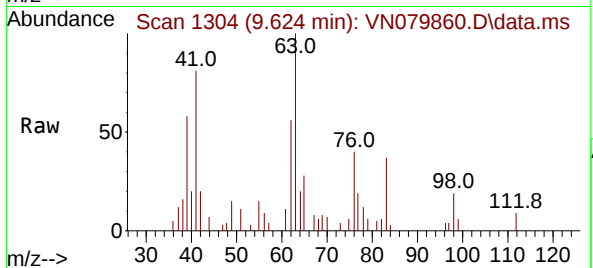
Tgt Ion: 63	Resp: 1100
Ion Ratio	Lower Upper
63	100
65	28.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#46

Dibromomethane

Concen: 2.922 ug/l

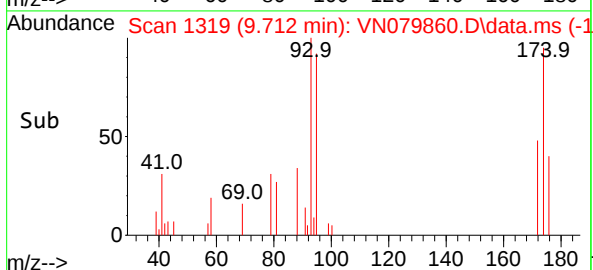
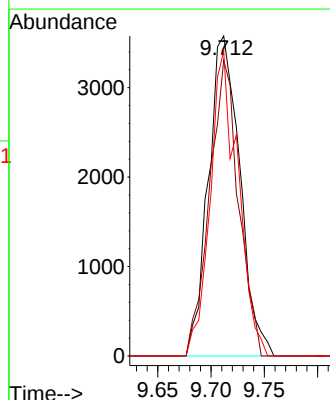
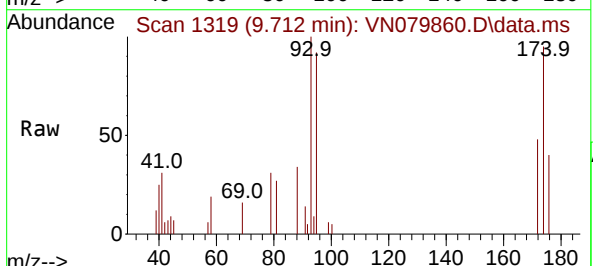
RT: 9.712 min Scan# 1319

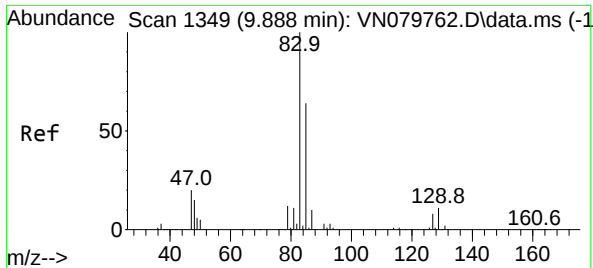
Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Tgt Ion: 93	Resp: 7350
Ion Ratio	Lower Upper
93	100
95	85.4 63.8 95.8
174	84.3 65.6 98.4





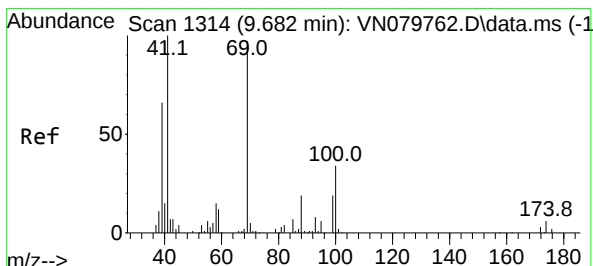
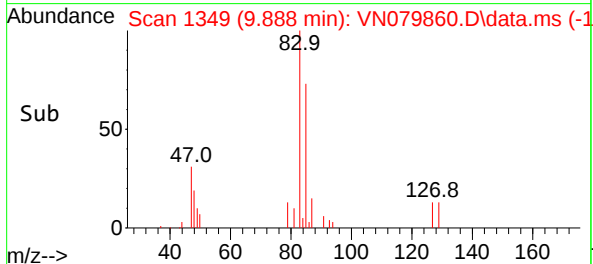
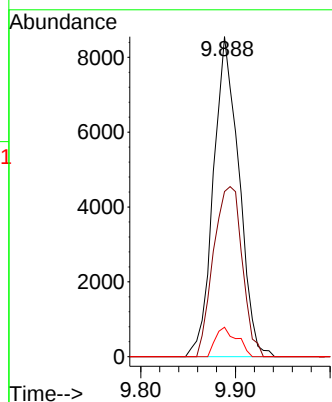
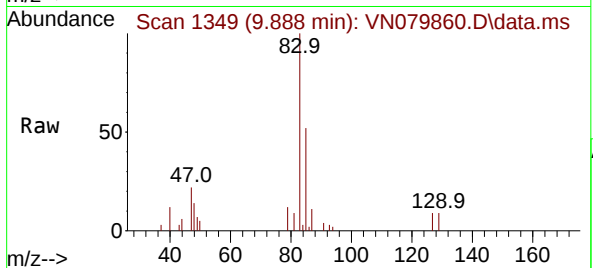
#47
Bromodichloromethane
Concen: 2.983 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion	Ratio	Lower	Upper
83	100		
85	51.6	49.6	74.4
127	9.2	7.0	10.6

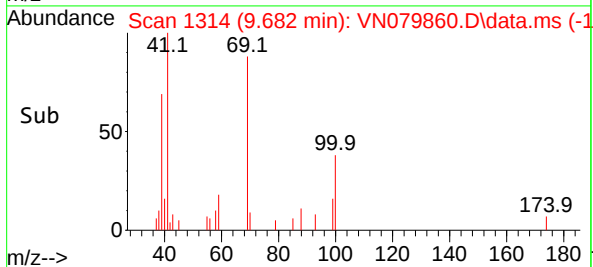
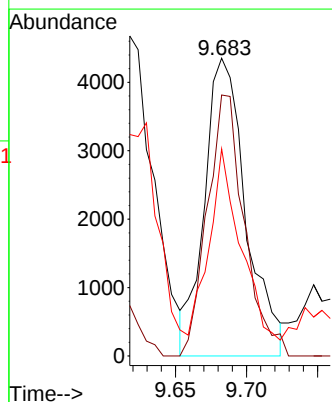
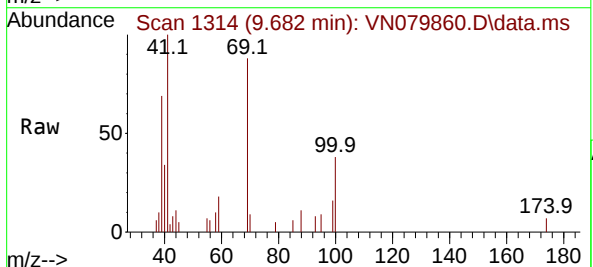
Manual Integrations
APPROVED

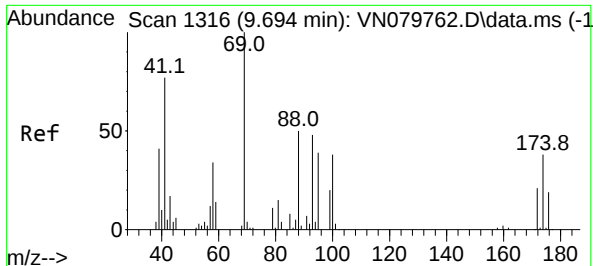
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#48
Methyl methacrylate
Concen: 2.610 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.2	90.4	135.6
39	57.7	54.6	81.8





#49

1,4-Dioxane

Concen: 45.262 ug/l

RT: 9.706 min Scan# 1316

Delta R.T. 0.012 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

Tgt Ion: 88 Resp: 271

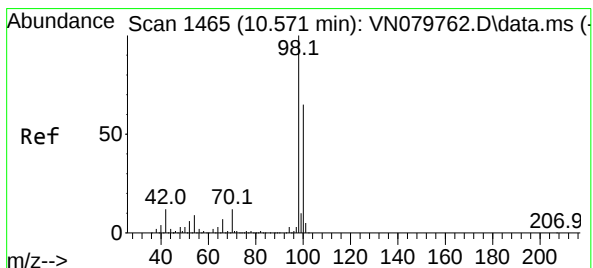
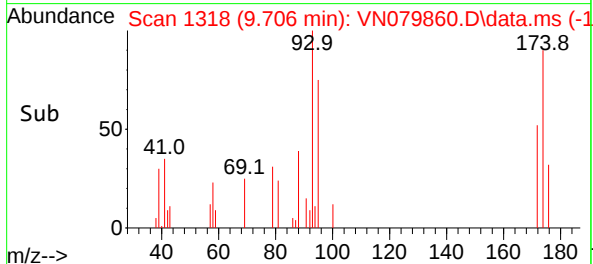
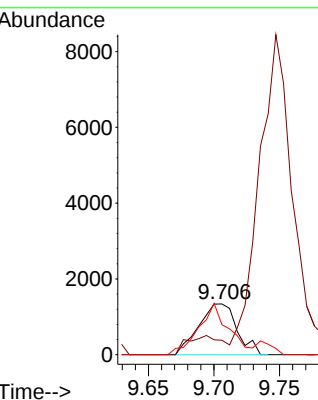
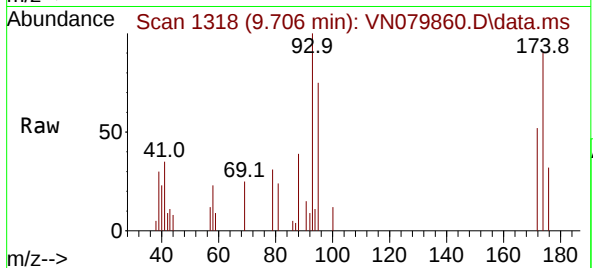
Ion	Ratio	Lower	Upper
88	100		
43	35.4	17.0	25.6
58	79.9	47.0	70.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#50

Toluene-d8

Concen: 53.891 ug/l

RT: 10.571 min Scan# 1465

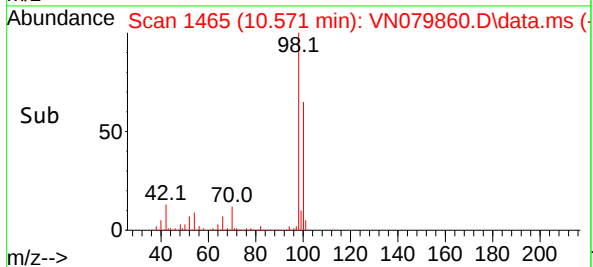
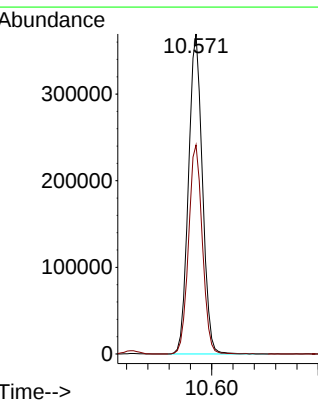
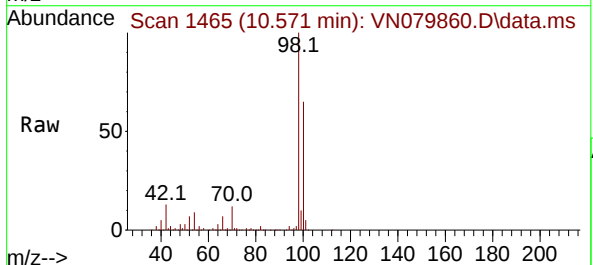
Delta R.T. 0.000 min

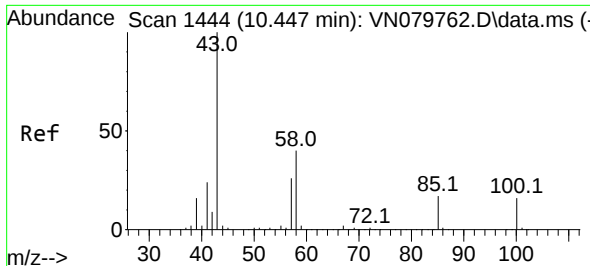
Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Tgt Ion: 98 Resp: 668814

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.0	78.0





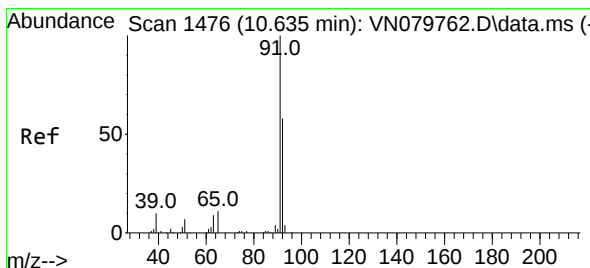
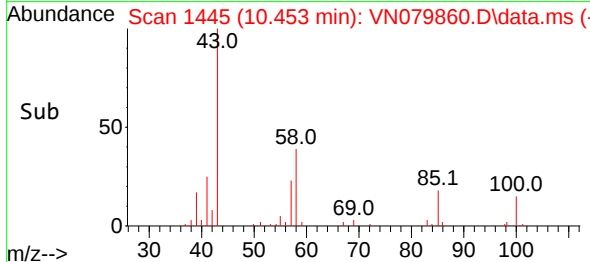
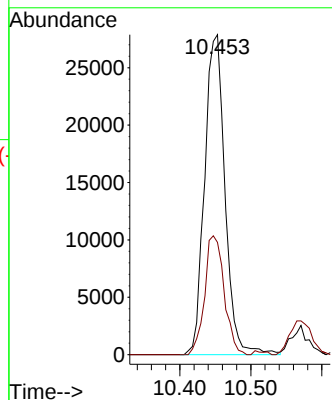
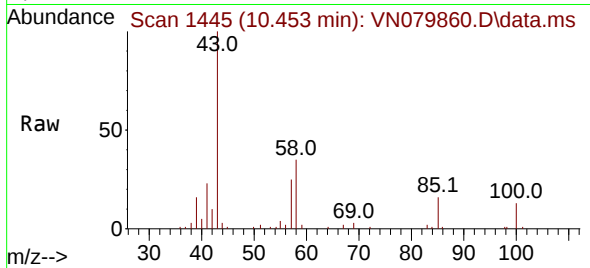
#51
4-Methyl-2-Pentanone
Concen: 12.795 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 43 Resp: 55760
Ion Ratio Lower Upper
43 100
58 35.5 36.6 54.8

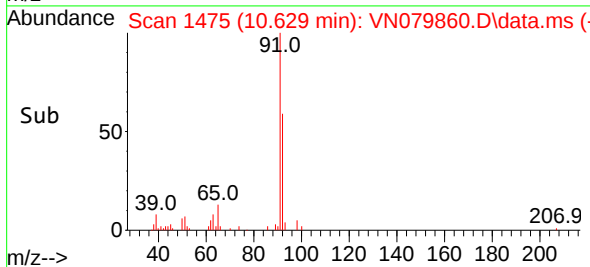
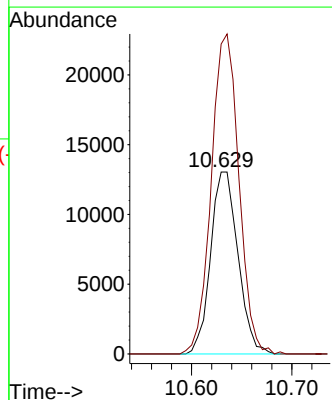
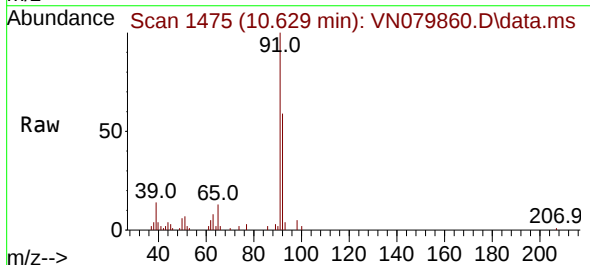
Manual Integrations
APPROVED

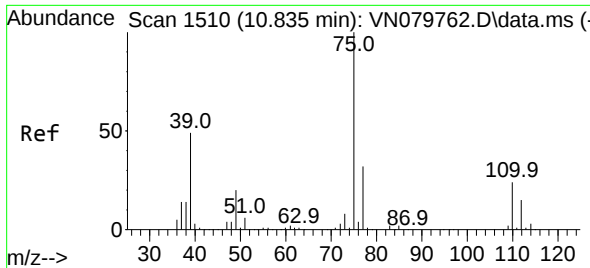
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#52
Toluene
Concen: 2.896 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

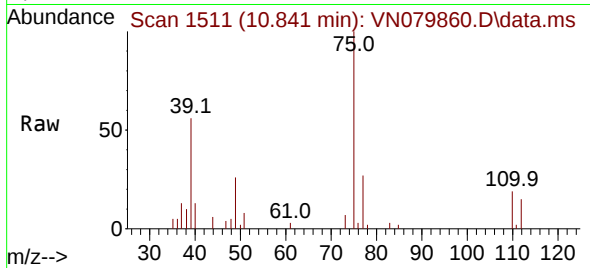
Tgt Ion: 92 Resp: 24755
Ion Ratio Lower Upper
92 100
91 177.1 137.4 206.0





#53
t-1,3-Dichloropropene
Concen: 2.391 ug/l
RT: 10.841 min Scan# 1510
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

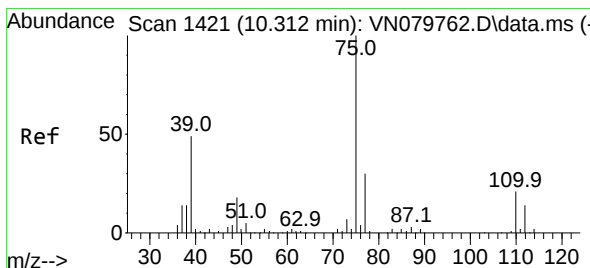
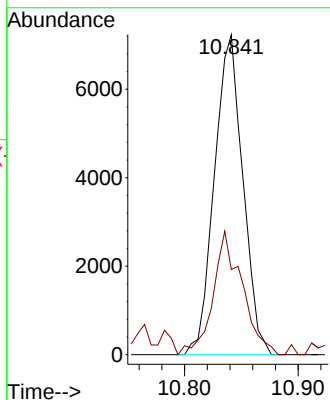
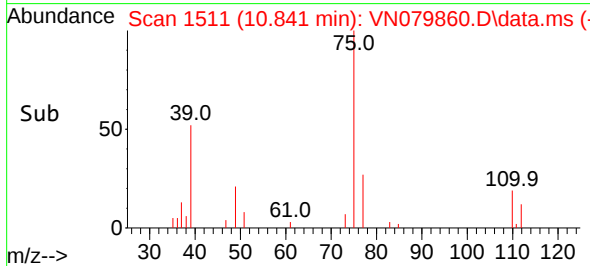
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 75 Resp: 1257
Ion Ratio Lower Upper
75 100
77 26.6 25.4 38.0

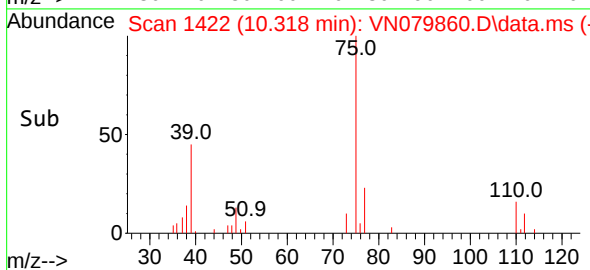
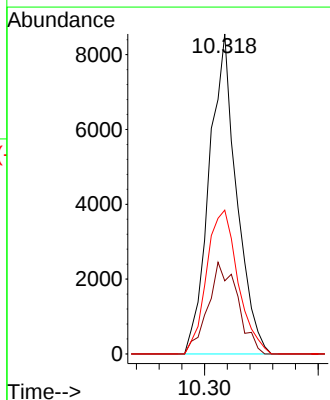
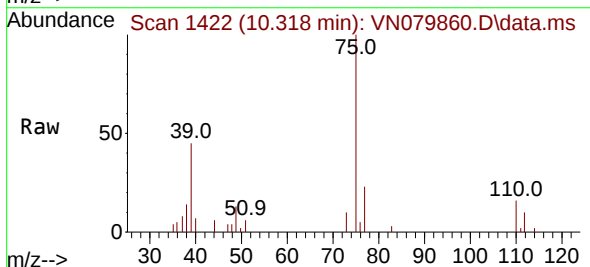
Manual Integrations
APPROVED

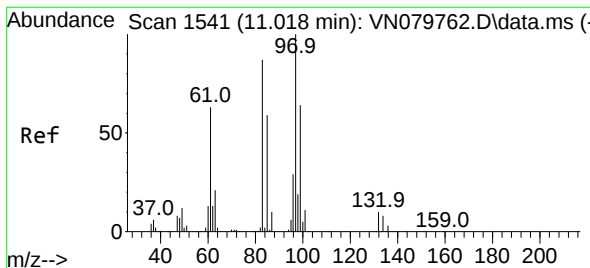
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#54
cis-1,3-Dichloropropene
Concen: 2.495 ug/l
RT: 10.318 min Scan# 1422
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion: 75 Resp: 14303
Ion Ratio Lower Upper
75 100
77 22.9 26.1 39.1#
39 45.0 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 2.825 ug/l

RT: 11.024 min Scan# 1542

Delta R.T. 0.006 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

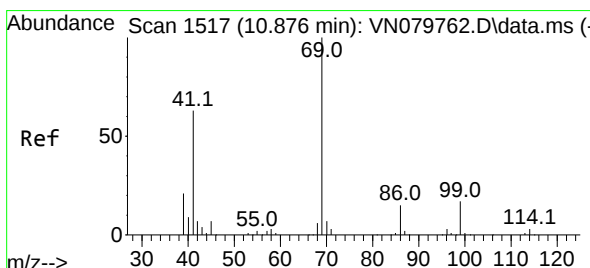
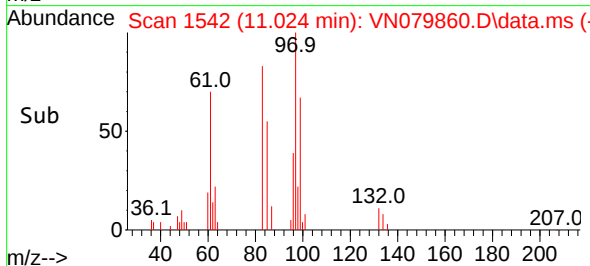
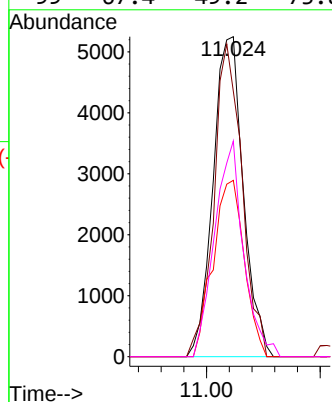
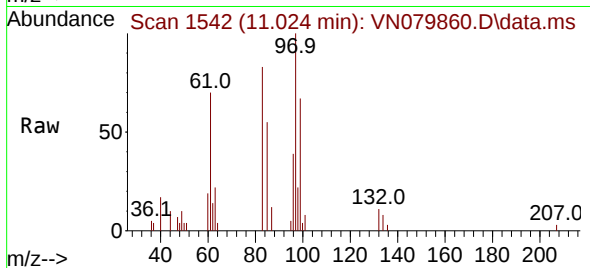
Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.9	65.1	97.7
85	55.1	43.4	65.2
99	67.4	49.2	73.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#56

Ethyl methacrylate

Concen: 2.185 ug/l

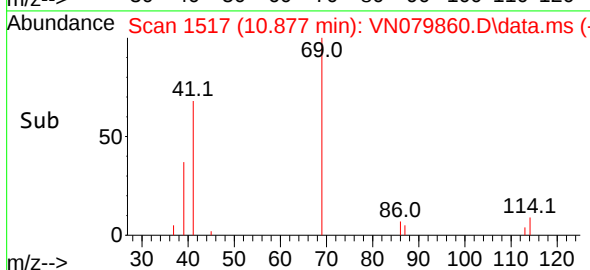
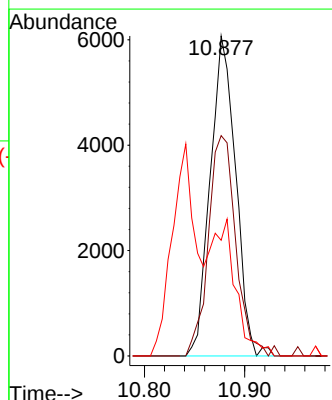
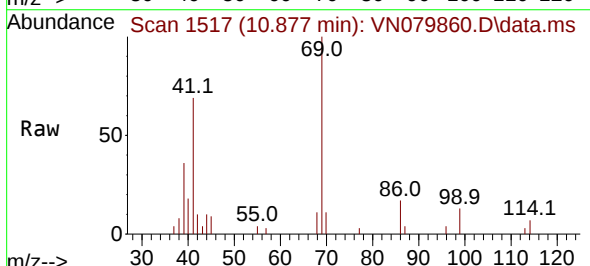
RT: 10.877 min Scan# 1517

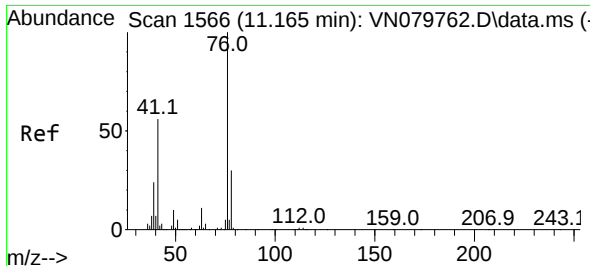
Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

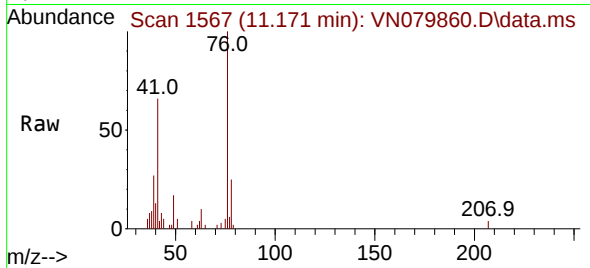
Tgt Ion	Ratio	Lower	Upper
69	100		
41	74.3	39.6	59.4
39	42.4	28.6	43.0





#57
1,3-Dichloropropane
Concen: 2.787 ug/l
RT: 11.171 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

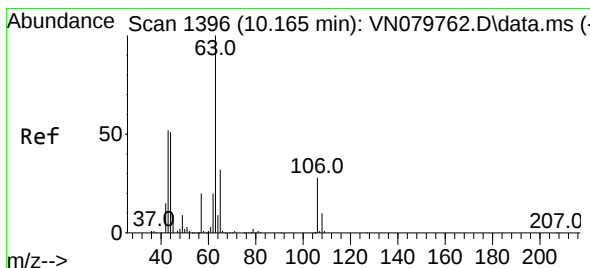
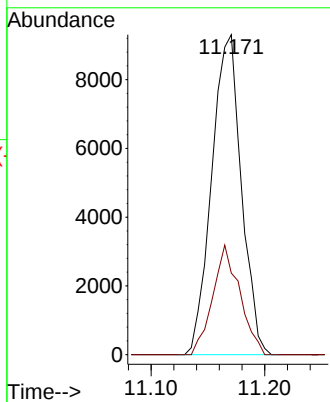
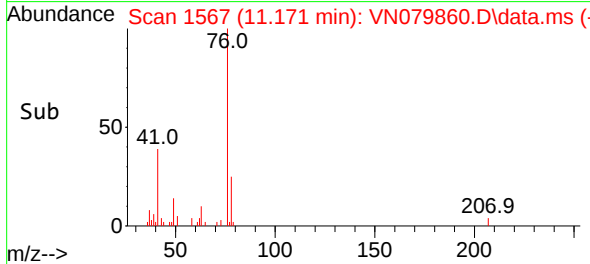
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion: 76 Resp: 1688
Ion Ratio Lower Upper
76 100
78 31.3 26.1 39.1

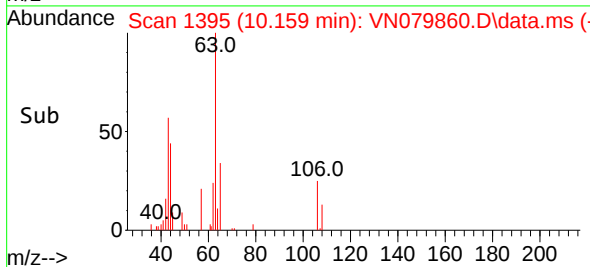
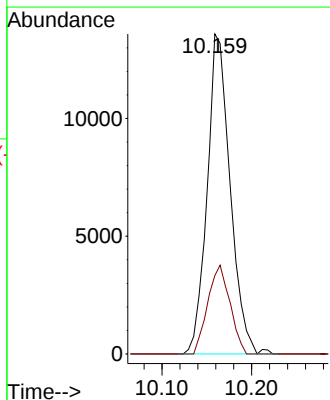
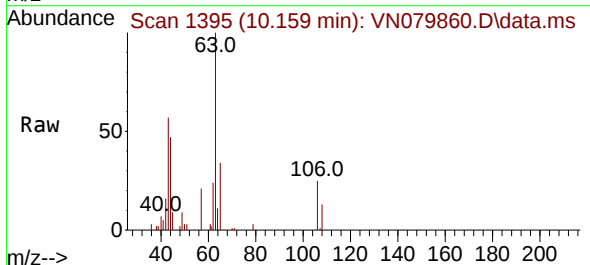
Manual Integrations
APPROVED

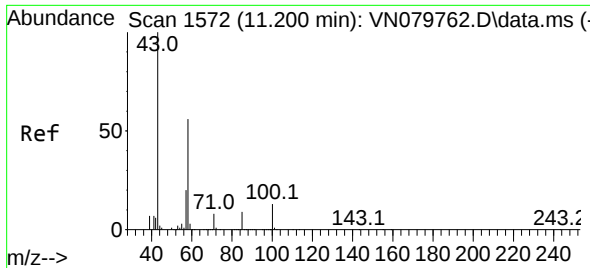
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#58
2-Chloroethyl Vinyl ether
Concen: 9.736 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

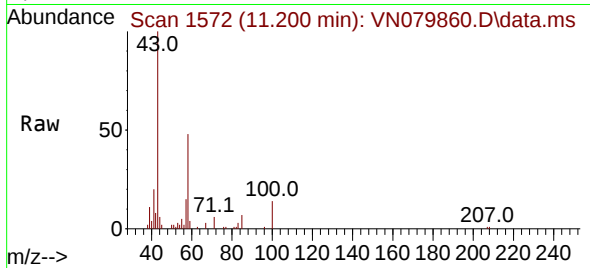
Tgt Ion: 63 Resp: 24198
Ion Ratio Lower Upper
63 100
106 26.7 26.2 39.4





#59
2-Hexanone
Concen: 11.459 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

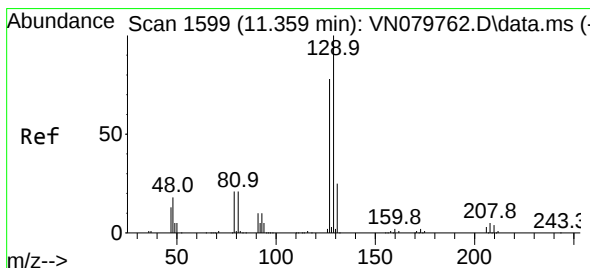
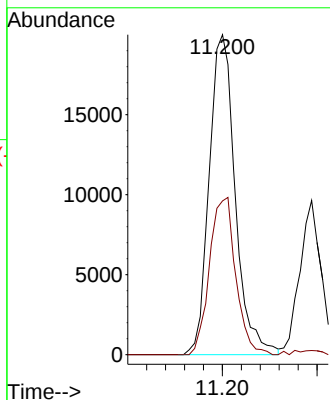
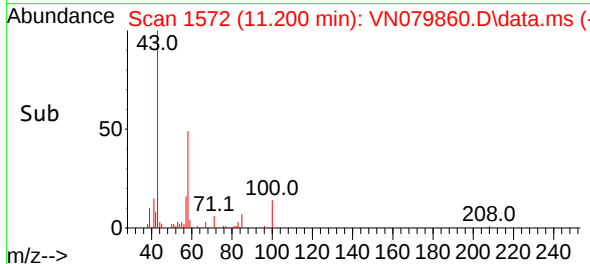
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



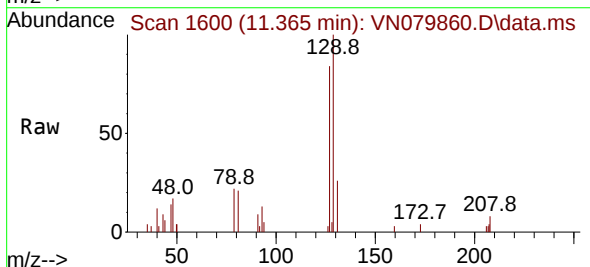
Tgt Ion: 43 Resp: 3820
Ion Ratio Lower Upper
43 100
58 49.5 31.7 95.1

Manual Integrations
APPROVED

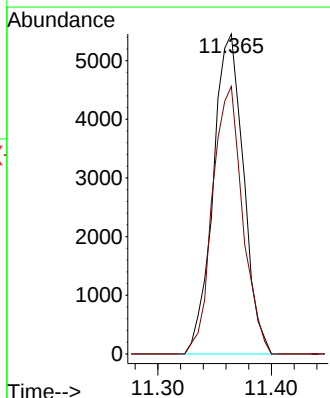
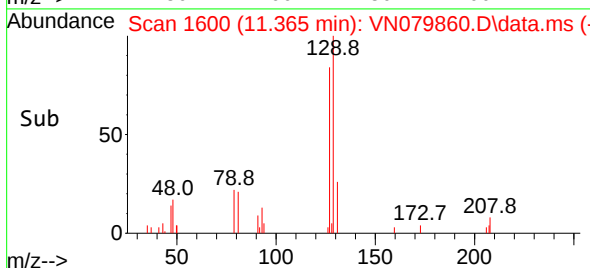
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#60
Dibromochloromethane
Concen: 2.750 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38



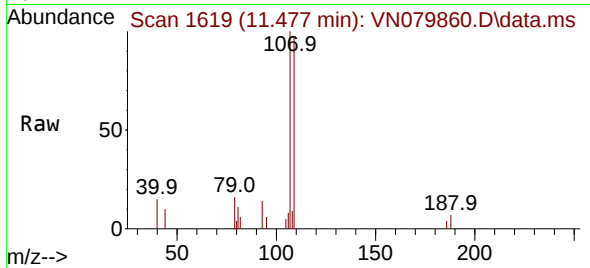
Tgt Ion:129 Resp: 10120
Ion Ratio Lower Upper
129 100
127 83.0 38.6 116.0





#61
1,2-Dibromoethane
Concen: 2.611 ug/l
RT: 11.477 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

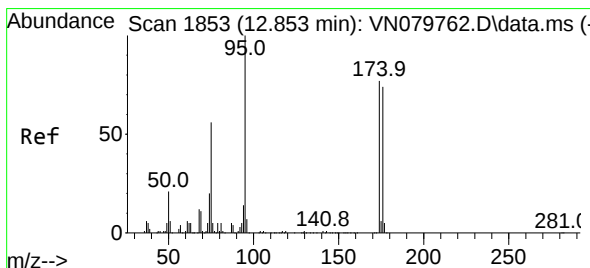
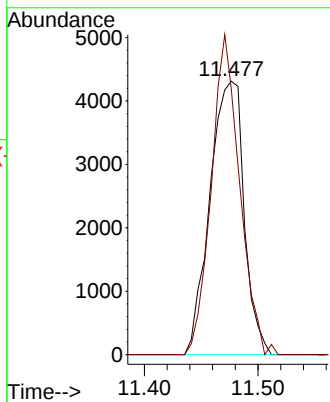
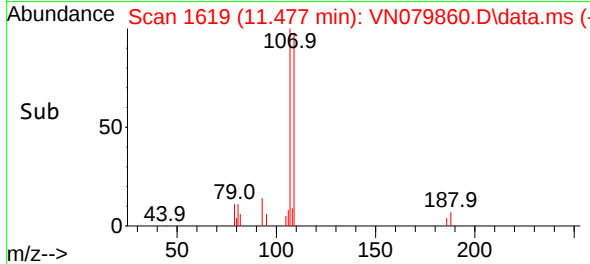
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



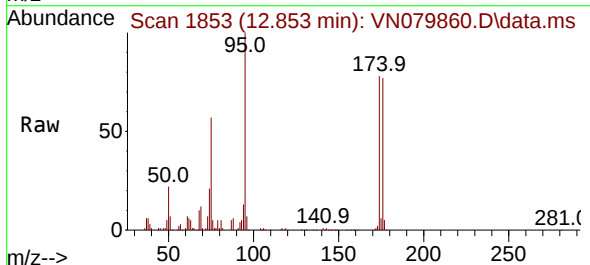
Tgt Ion: 107 Resp: 9010
Ion Ratio Lower Upper
107 100
109 97.0 76.6 114.8

Manual Integrations
APPROVED

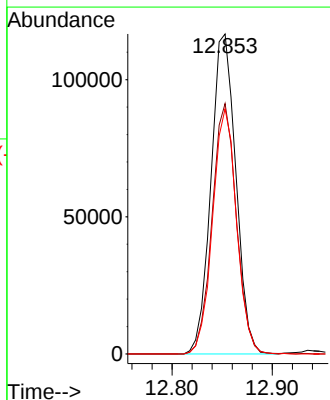
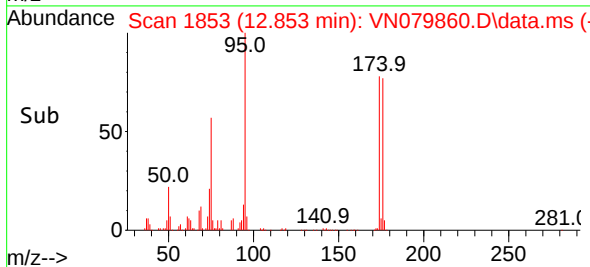
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

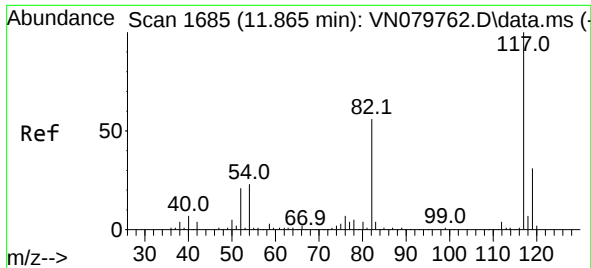


#62
4-Bromofluorobenzene
Concen: 48.810 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38



Tgt Ion: 95 Resp: 200900
Ion Ratio Lower Upper
95 100
174 76.4 0.0 143.8
176 73.9 0.0 135.8





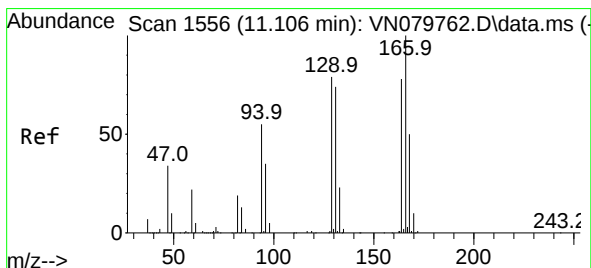
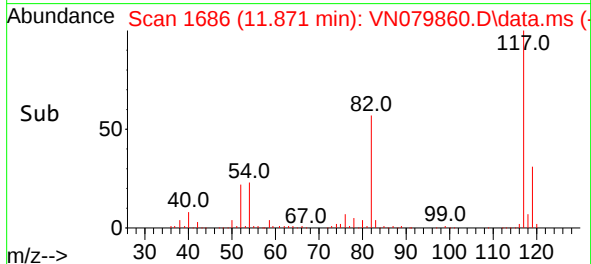
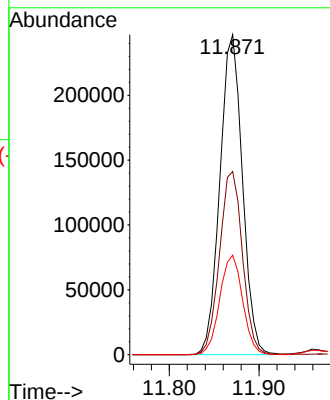
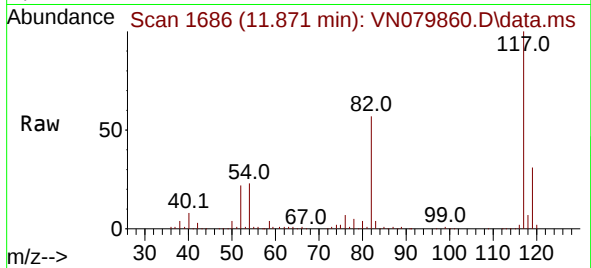
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:117 Resp: 43027
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 31.1 25.6 38.4

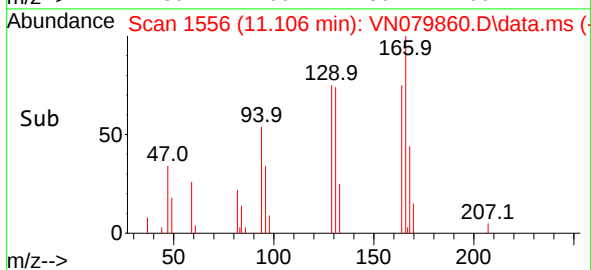
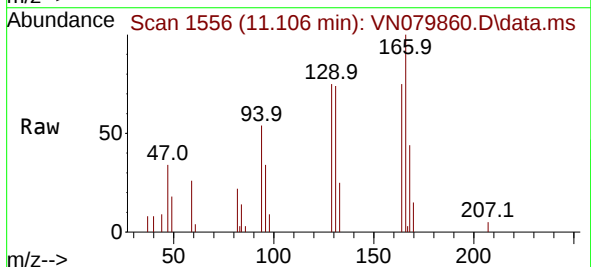
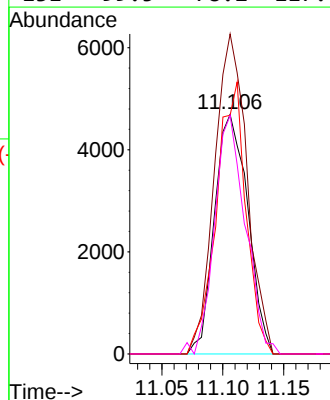
Manual Integrations
APPROVED

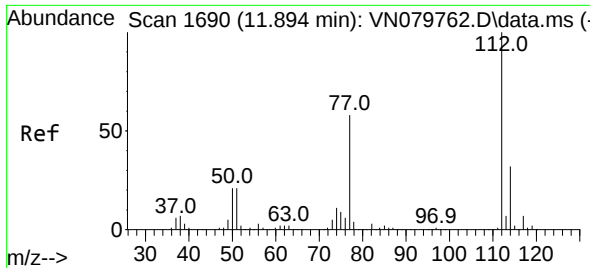
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#64
Tetrachloroethene
Concen: 3.200 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

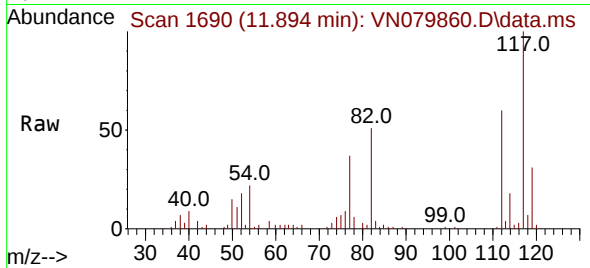
Tgt Ion:164 Resp: 8918
Ion Ratio Lower Upper
164 100
166 133.6 101.4 152.0
129 99.6 82.4 123.6
131 99.5 78.2 117.4





#65
Chlorobenzene
Concen: 2.705 ug/l
RT: 11.894 min Scan# 1112
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

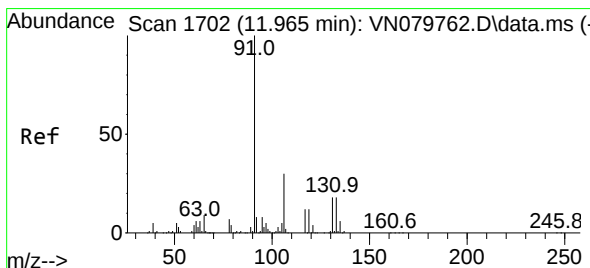
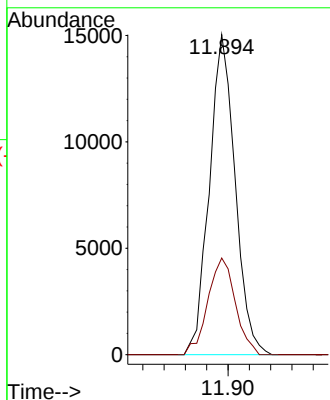
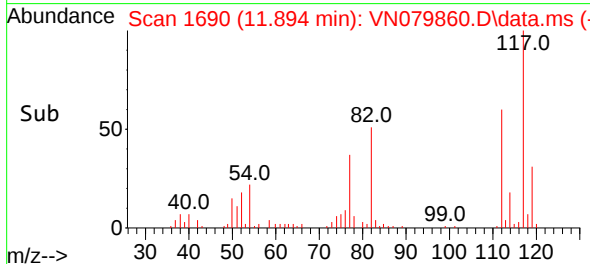
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



Tgt Ion:112 Resp: 2524
Ion Ratio Lower Upper
112 100
114 30.2 25.0 37.4

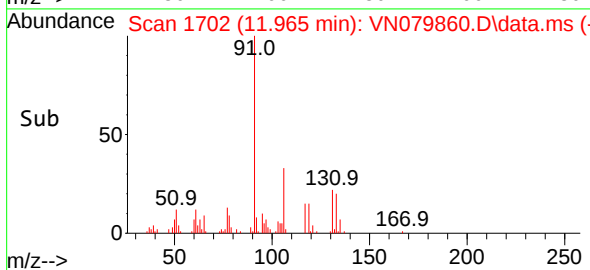
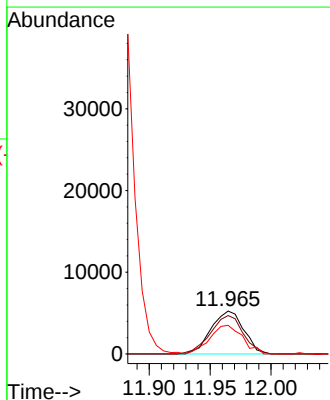
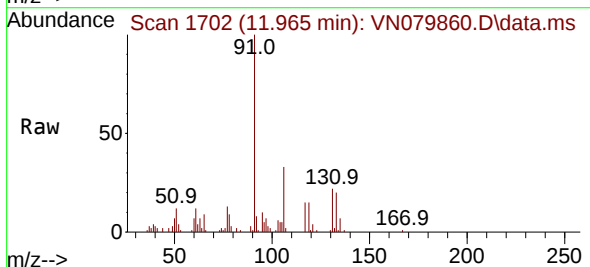
Manual Integrations
APPROVED

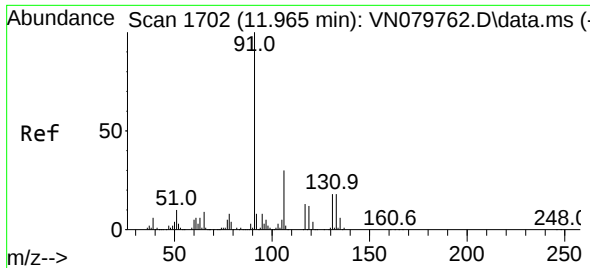
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#66
1,1,1,2-Tetrachloroethane
Concen: 2.897 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

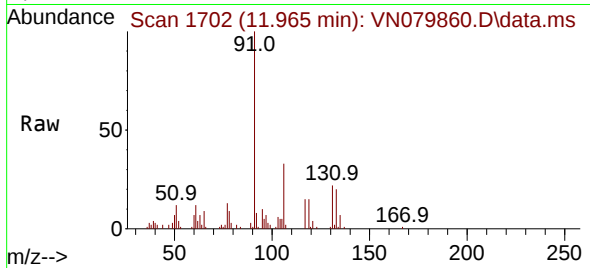
Tgt Ion:131 Resp: 9743
Ion Ratio Lower Upper
131 100
133 90.1 46.4 139.1
119 67.0 34.1 102.2





#67
Ethyl Benzene
Concen: 2.342 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

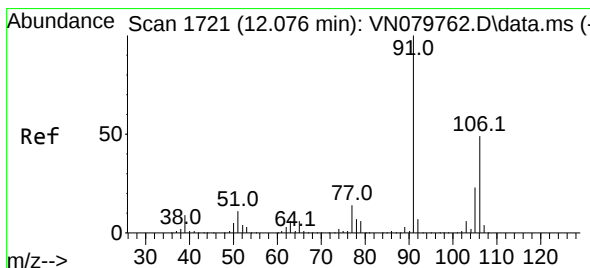
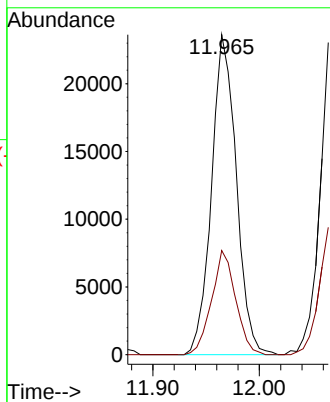
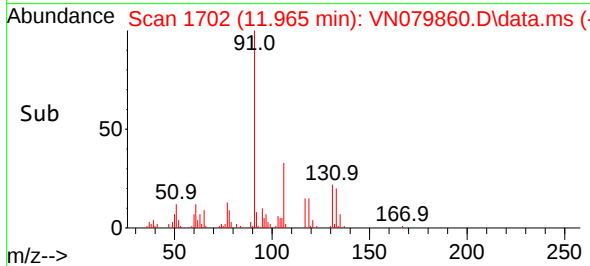
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



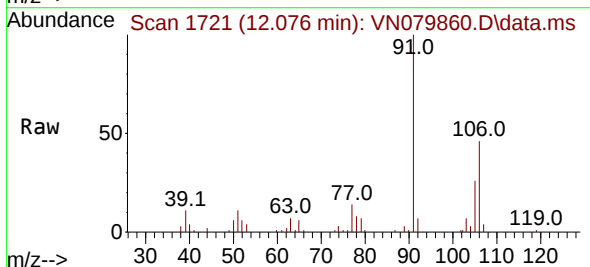
Tgt Ion: 91 Resp: 3808
Ion Ratio Lower Upper
91 100
106 32.5 25.6 38.4

Manual Integrations
APPROVED

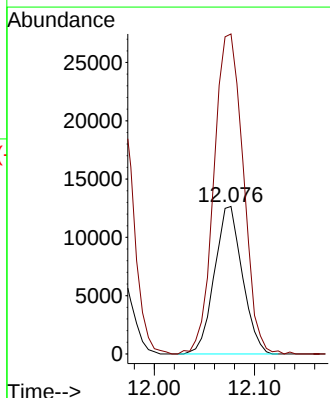
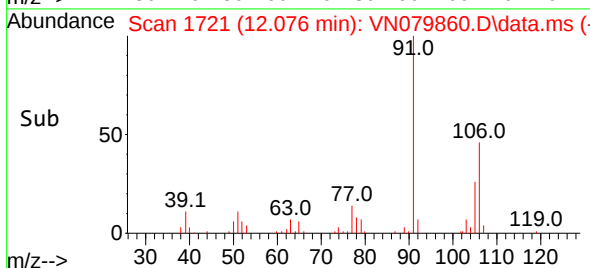
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

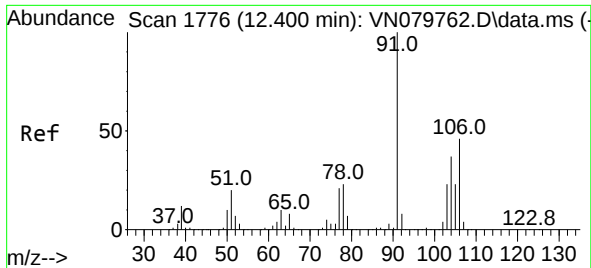


#68
m/p-Xylenes
Concen: 4.032 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38



Tgt Ion:106 Resp: 24425
Ion Ratio Lower Upper
106 100
91 228.9 159.6 239.4





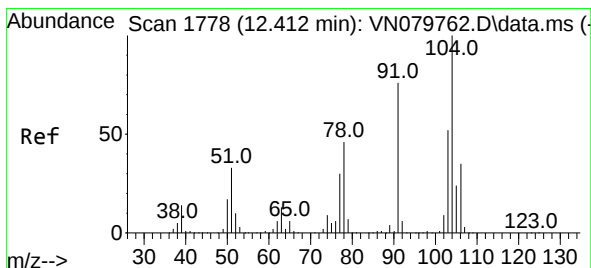
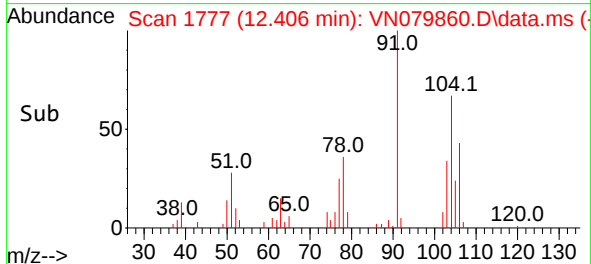
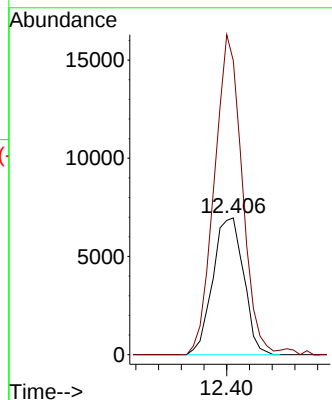
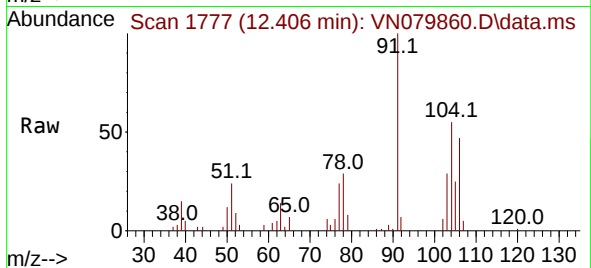
#69
o-Xylene
Concen: 2.249 ug/l
RT: 12.406 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:106 Resp: 1311
Ion Ratio Lower Upper
106 100
91 213.1 105.2 315.5

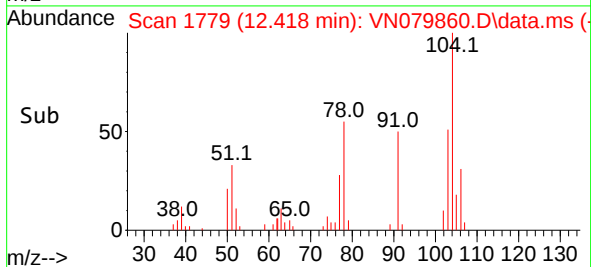
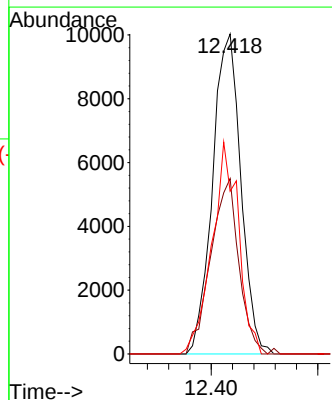
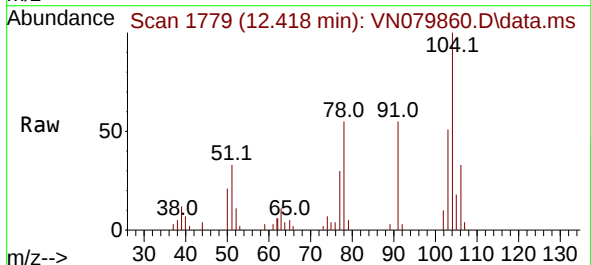
Manual Integrations
APPROVED

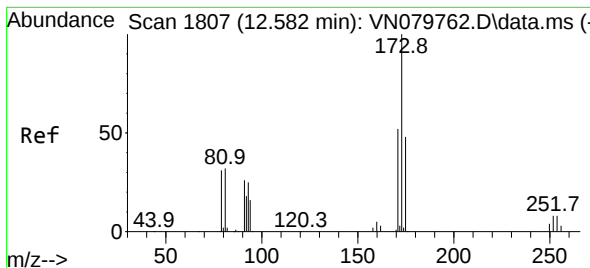
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#70
Styrene
Concen: 1.974 ug/l
RT: 12.418 min Scan# 1779
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion:104 Resp: 18504
Ion Ratio Lower Upper
104 100
78 54.8 39.5 59.3
103 61.8 43.2 64.8





#71

Bromoform

Concen: 2.743 ug/l

RT: 12.576 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

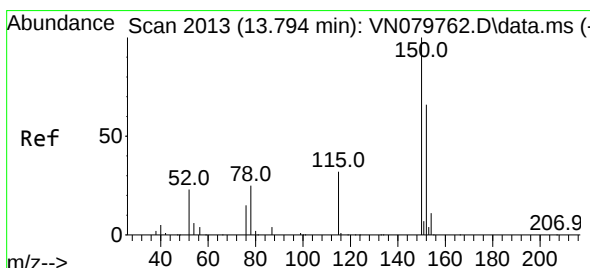
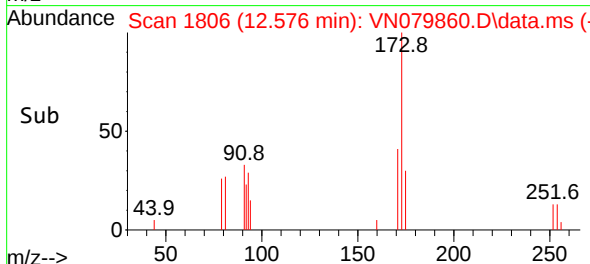
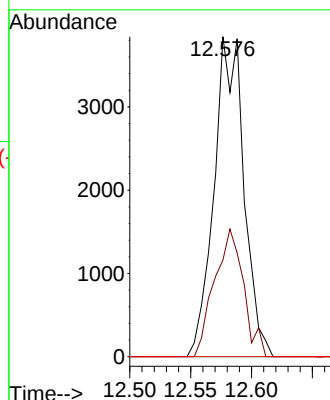
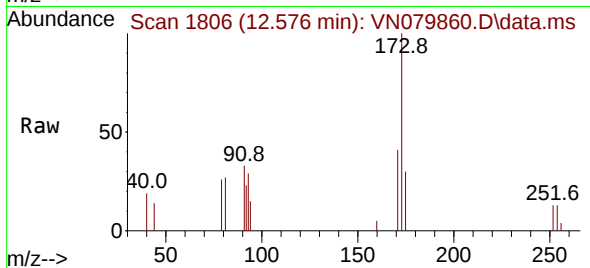
Tgt Ion:173 Resp: 655
 Ion Ratio Lower Upper
 173 100
 175 38.8 24.3 73.0
 254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

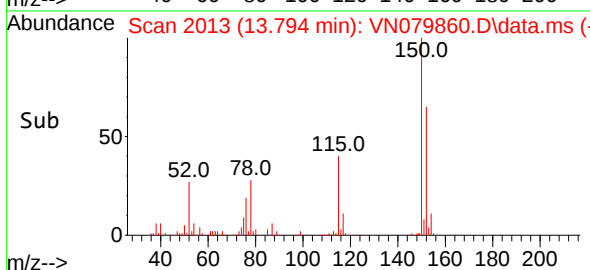
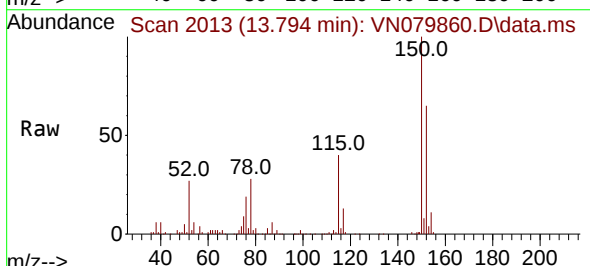
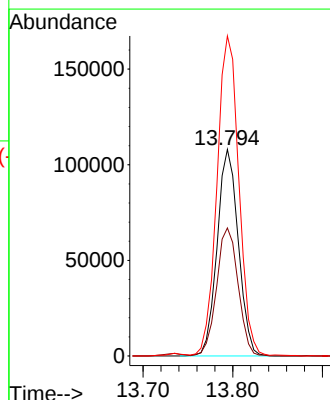
RT: 13.794 min Scan# 2013

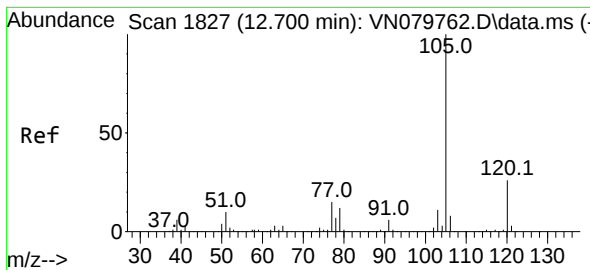
Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Tgt Ion:152 Resp: 176578
 Ion Ratio Lower Upper
 152 100
 115 63.2 32.3 96.8
 150 160.5 0.0 355.8





#73

Isopropylbenzene

Concen: 2.186 ug/l

RT: 12.700 min Scan# 1827

Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

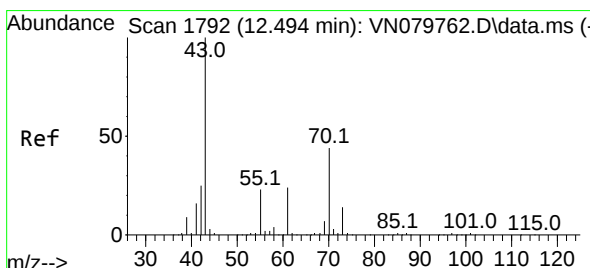
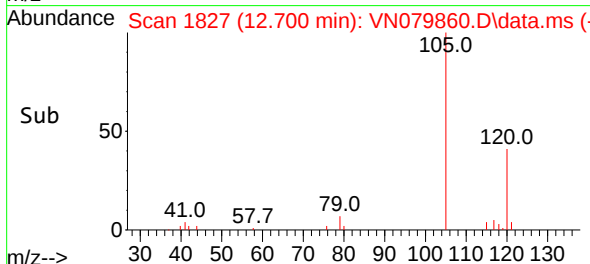
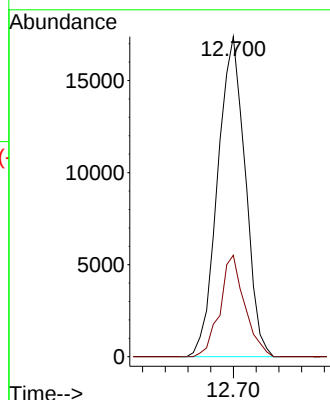
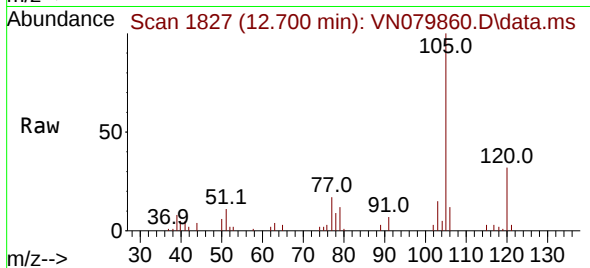
Tgt Ion:105 Resp: 29298
 Ion Ratio Lower Upper
 105 100
 120 28.4 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#74

N-ethyl acetate

Concen: 2.136 ug/l

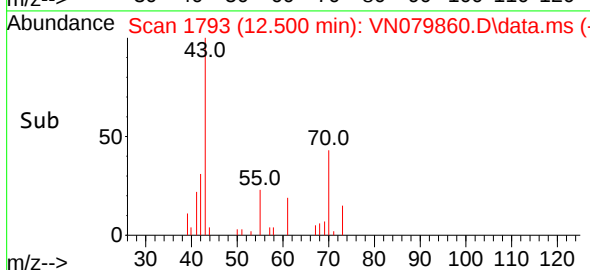
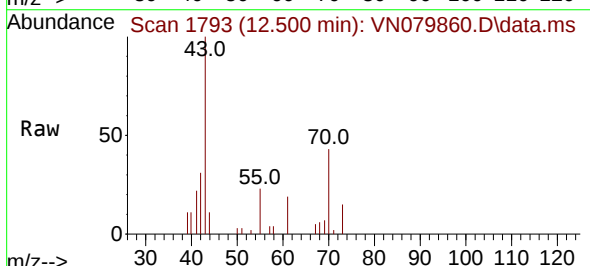
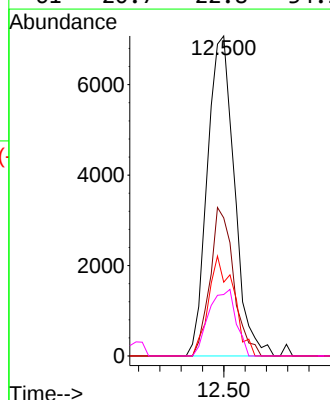
RT: 12.500 min Scan# 1793

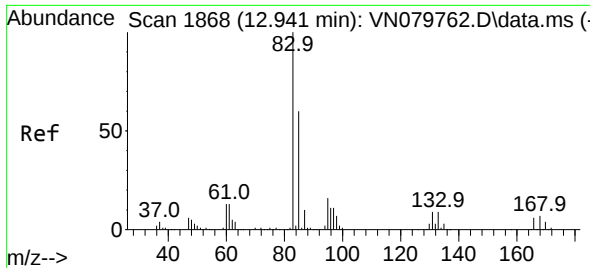
Delta R.T. 0.006 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

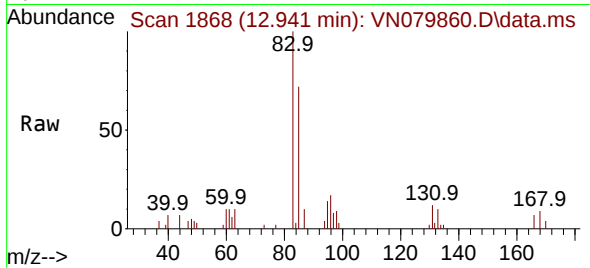
Tgt Ion: 43 Resp: 12495
 Ion Ratio Lower Upper
 43 100
 70 40.4 43.4 65.2#
 55 29.1 21.4 32.0
 61 20.7 22.8 34.2#





#75
1,1,2,2-Tetrachloroethane
Concen: 3.012 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

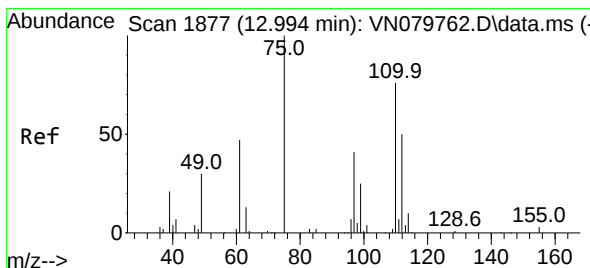
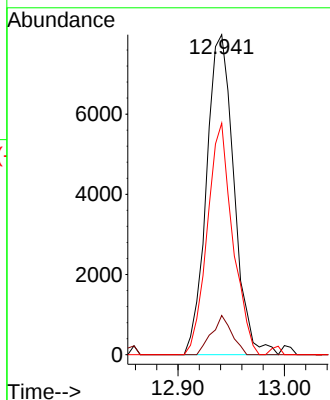
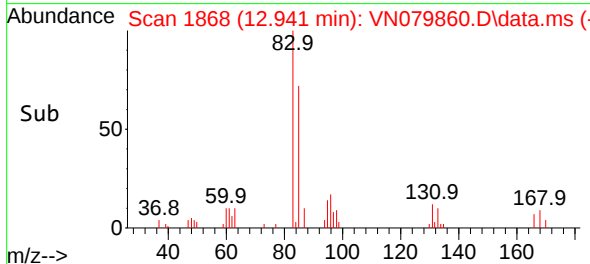
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



Tgt Ion: 83 Resp: 14312
Ion Ratio Lower Upper
83 100
131 9.0 5.0 15.0
85 66.9 31.9 95.7

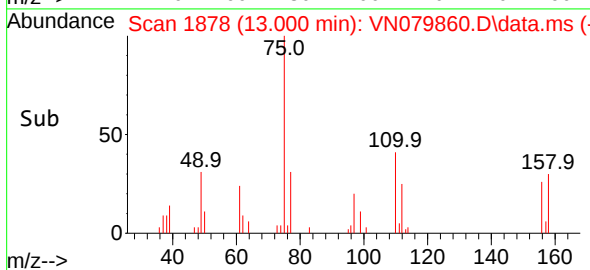
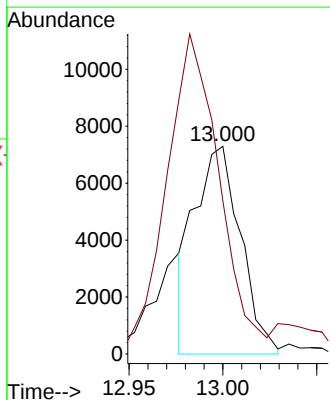
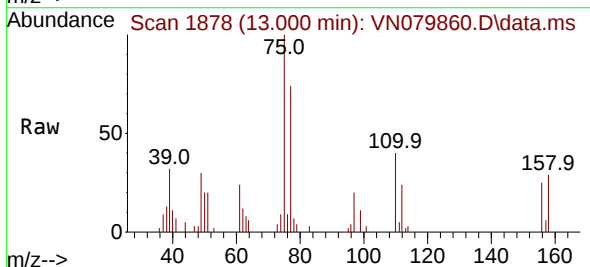
Manual Integrations
APPROVED

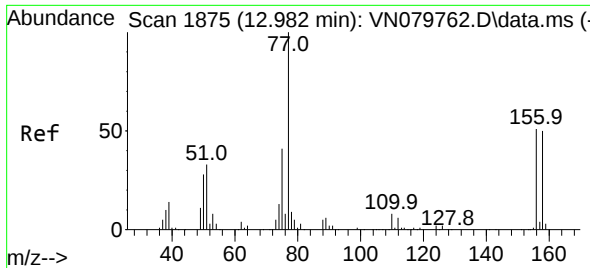
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#76
1,2,3-Trichloropropane
Concen: 3.011 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion: 75 Resp: 12483
Ion Ratio Lower Upper
75 100
77 176.6 84.5 253.5





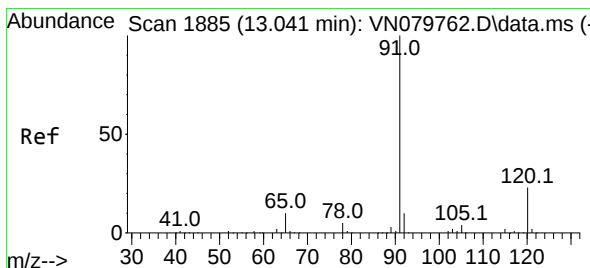
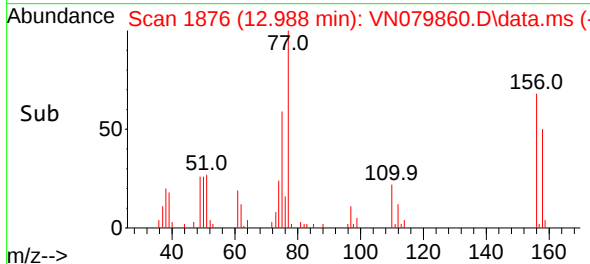
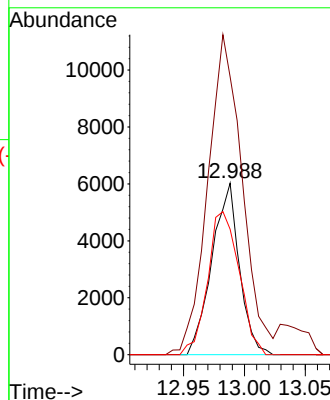
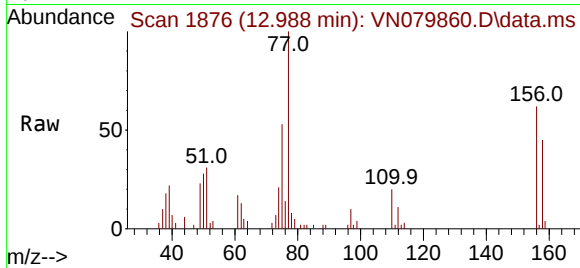
#77
Bromobenzene
Concen: 2.877 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:156 Resp: 9439
Ion Ratio Lower Upper
156 100
77 233.6 107.7 323.3
158 95.9 48.4 145.3

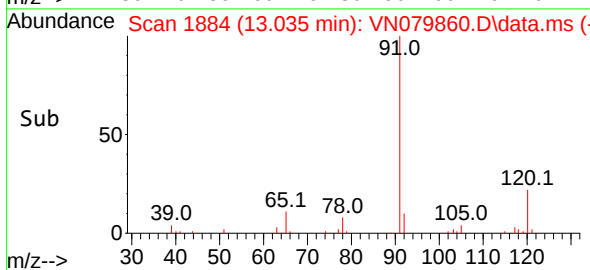
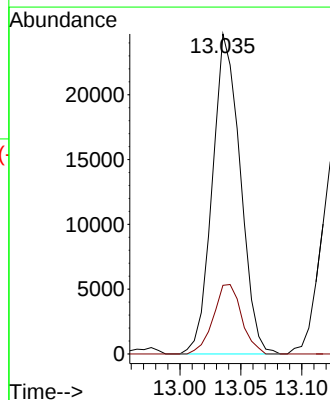
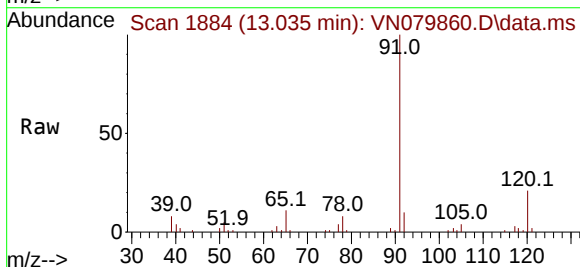
Manual Integrations
APPROVED

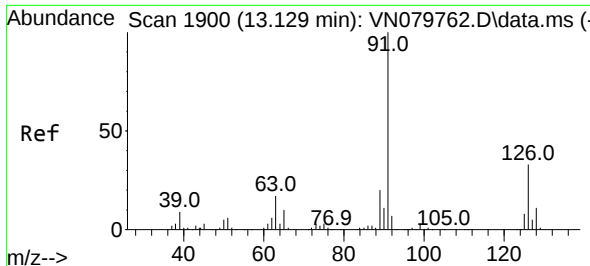
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#78
n-propylbenzene
Concen: 2.564 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion: 91 Resp: 39349
Ion Ratio Lower Upper
91 100
120 22.0 11.5 34.4





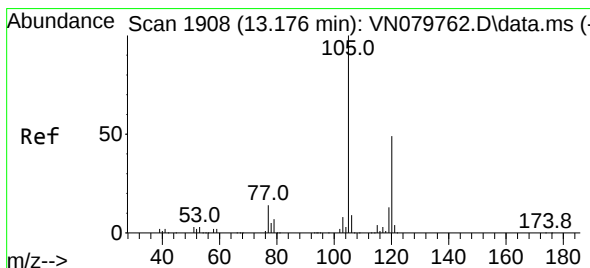
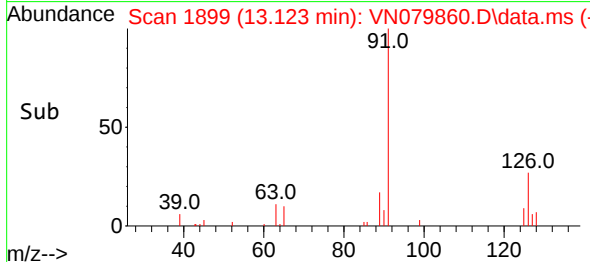
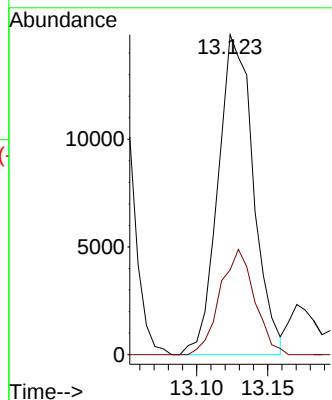
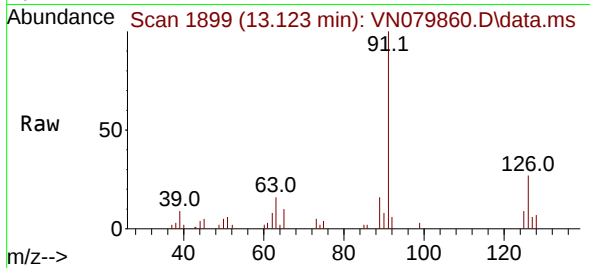
#79
2-Chlorotoluene
Concen: 2.631 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 91 Resp: 25798
Ion Ratio Lower Upper
91 100
126 32.1 16.3 48.8

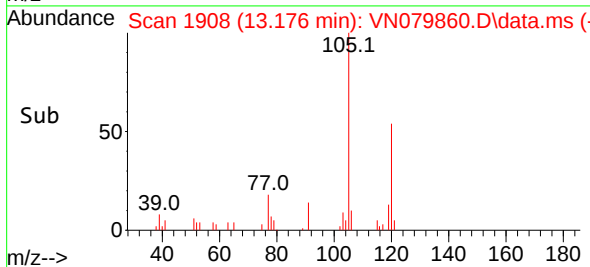
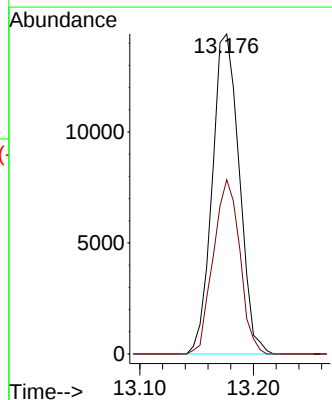
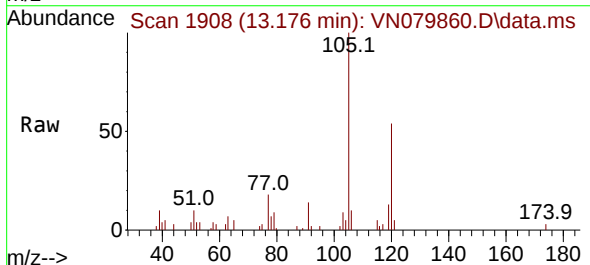
Manual Integrations
APPROVED

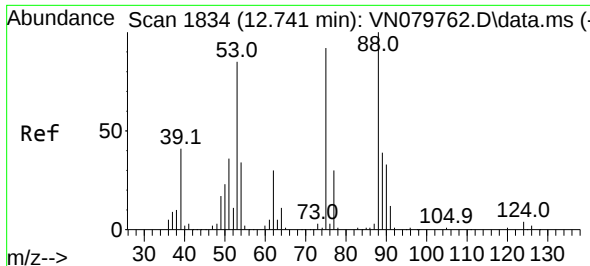
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#80
1,3,5-Trimethylbenzene
Concen: 2.282 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

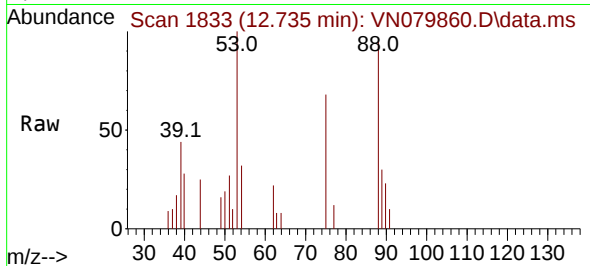
Tgt Ion:105 Resp: 23795
Ion Ratio Lower Upper
105 100
120 53.4 24.1 72.3





#81
trans-1,4-Dichloro-2-butene
Concen: 2.093 ug/l m
RT: 12.735 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

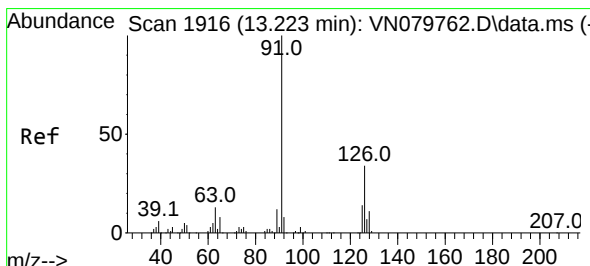
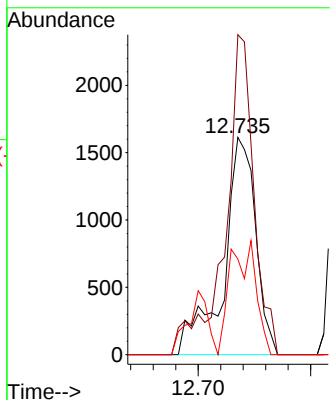
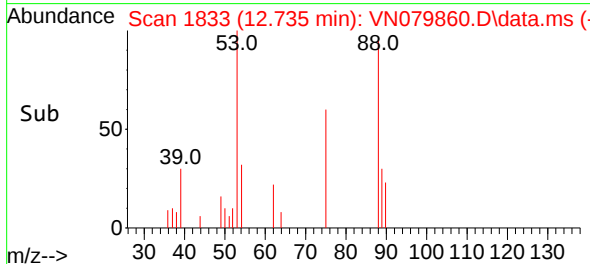
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023



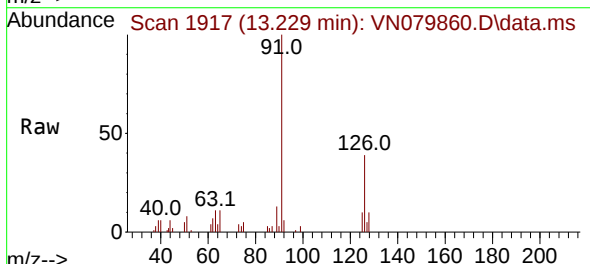
Tgt Ion: 75 Resp: 3189
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2
89 2.0 38.8 58.2

Manual Integrations
APPROVED

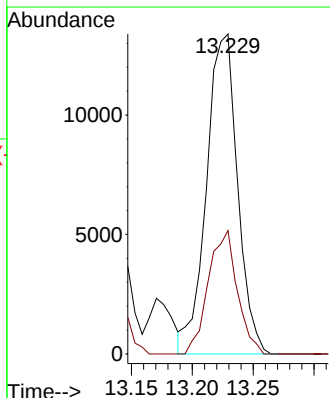
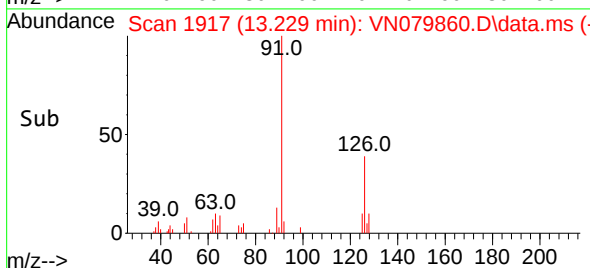
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

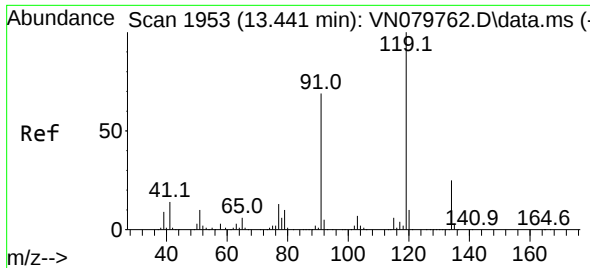


#82
4-Chlorotoluene
Concen: 2.444 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38



Tgt Ion: 91 Resp: 23805
Ion Ratio Lower Upper
91 100
126 35.9 16.7 50.0





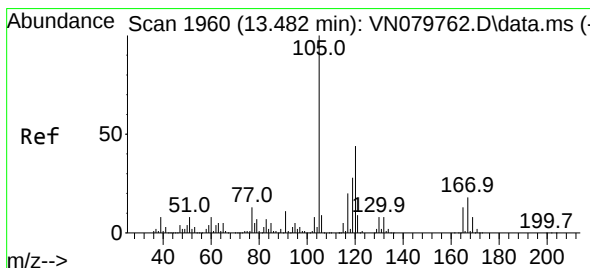
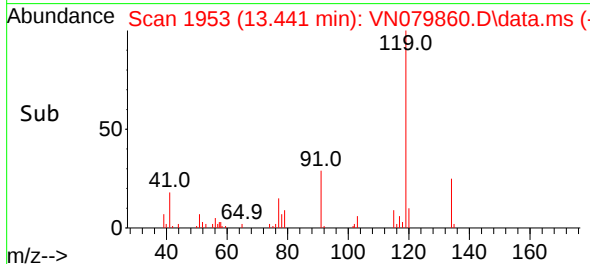
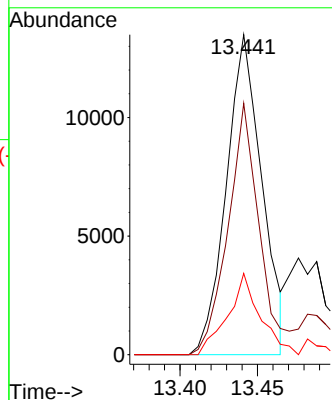
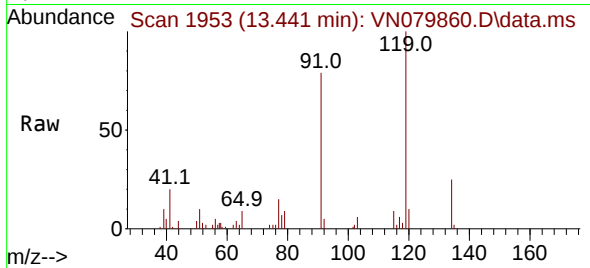
#83
tert-Butylbenzene
Concen: 2.521 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion:119 Resp: 2151
Ion Ratio Lower Upper
119 100
91 69.2 33.9 101.7
134 23.1 13.2 39.6

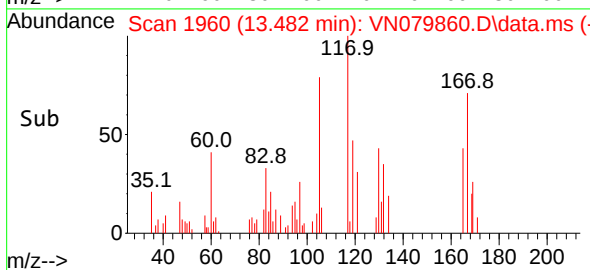
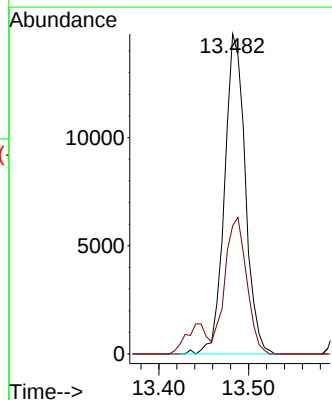
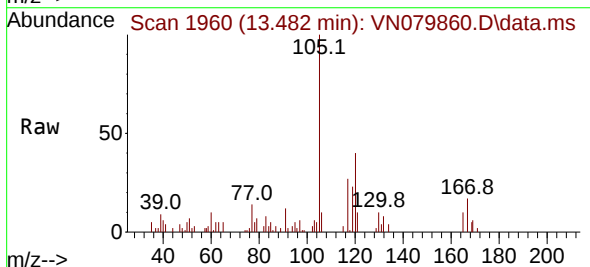
Manual Integrations
APPROVED

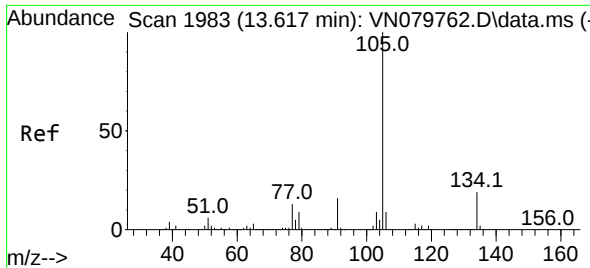
Reviewed By :John Carbone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#84
1,2,4-Trimethylbenzene
Concen: 2.310 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

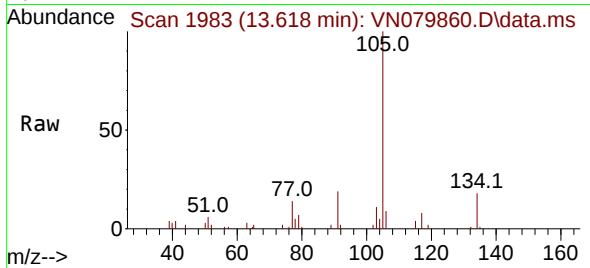
Tgt Ion:105 Resp: 23699
Ion Ratio Lower Upper
105 100
120 44.6 22.0 66.0





#85
 sec-Butylbenzene
 Concen: 2.269 ug/l
 RT: 13.618 min Scan# 1983
 Delta R.T. 0.000 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

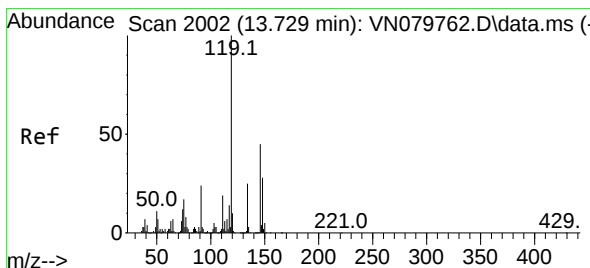
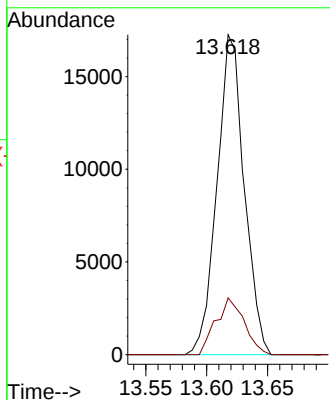
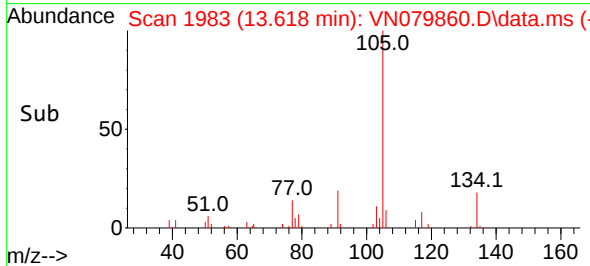
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023



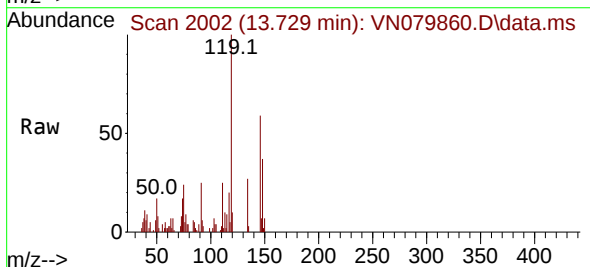
Tgt Ion:105 Resp: 2683
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.8 29.3

Manual Integrations
 APPROVED

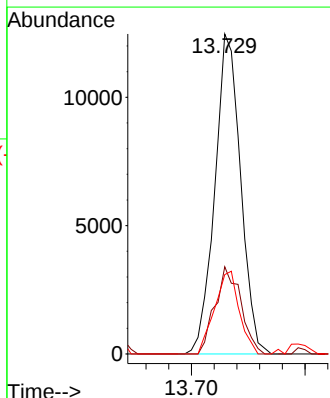
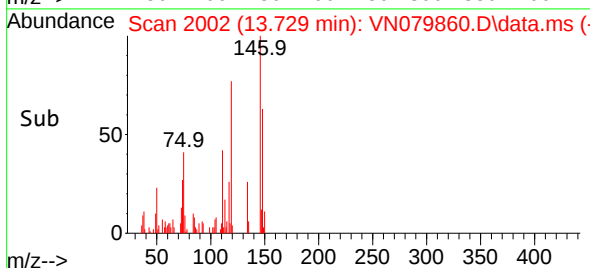
Reviewed By :John Carlone 11/04/2023
 Supervised By :Mahesh Dadoda 11/06/2023

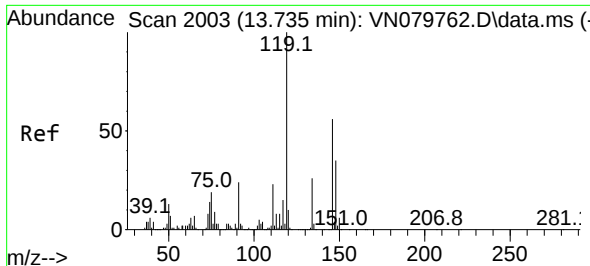


#86
 p-Isopropyltoluene
 Concen: 2.037 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38



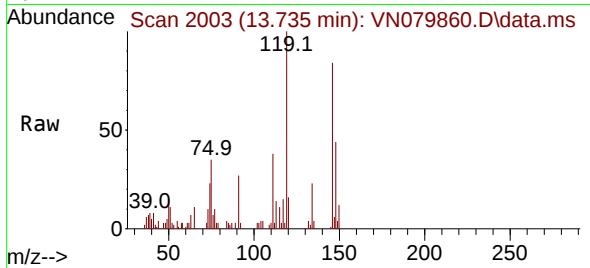
Tgt Ion:119 Resp: 19638
 Ion Ratio Lower Upper
 119 100
 134 27.2 12.6 37.8
 91 24.7 12.4 37.2





#87
1,3-Dichlorobenzene
Concen: 2.648 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

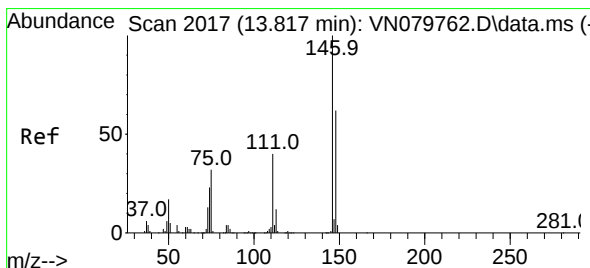
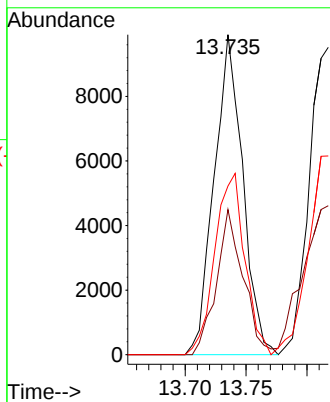
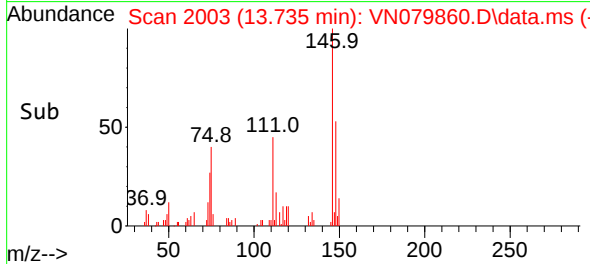
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023



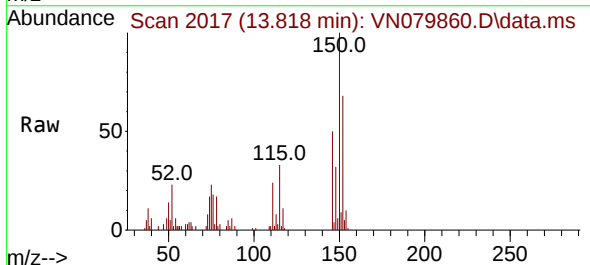
Tgt Ion:146 Resp: 16162
Ion Ratio Lower Upper
146 100
111 42.5 22.1 66.3
148 59.6 32.0 96.0

Manual Integrations
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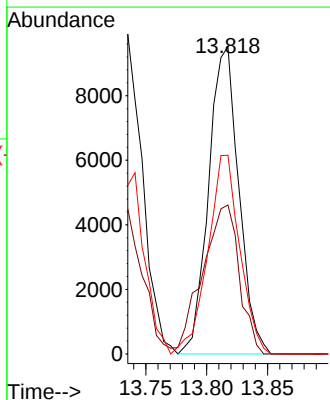
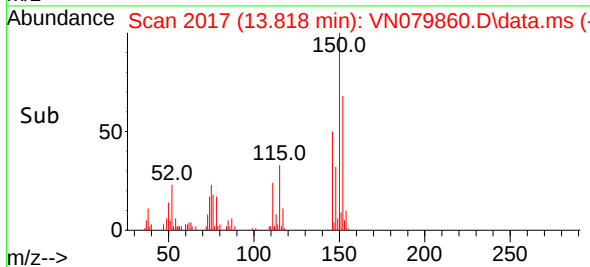
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023

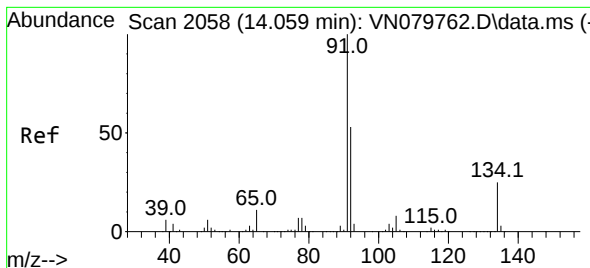


#88
1,4-Dichlorobenzene
Concen: 2.651 ug/l
RT: 13.818 min Scan# 2017
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38



Tgt Ion:146 Resp: 16421
Ion Ratio Lower Upper
146 100
111 58.9 20.6 61.8
148 68.3 31.6 94.8





#89

n-Butylbenzene

Concen: 2.207 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

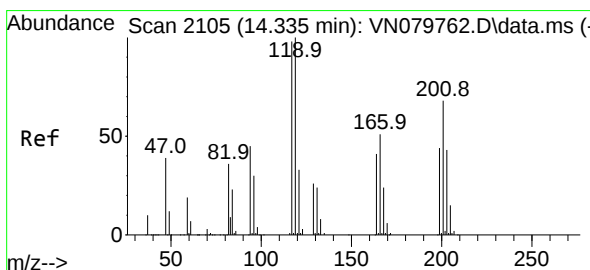
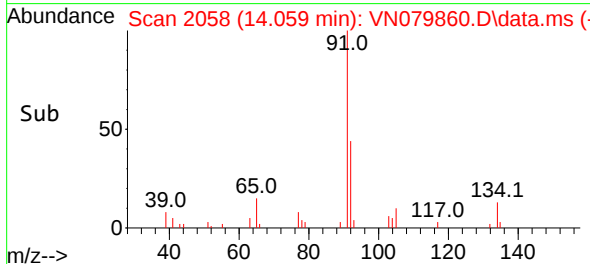
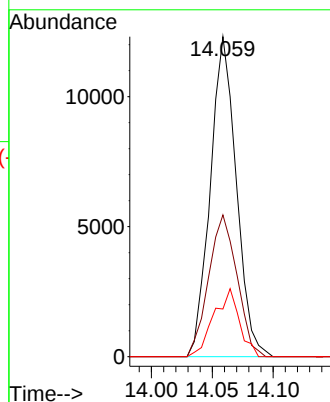
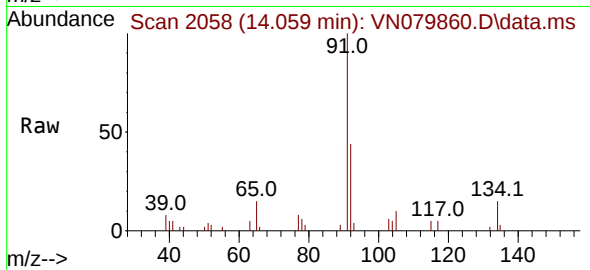
Tgt Ion:	91	Resp:	1832
Ion Ratio	Lower	Upper	
91	100		
92	48.3	26.4	79.0
134	20.8	12.6	37.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#90

Hexachloroethane

Concen: 2.970 ug/l

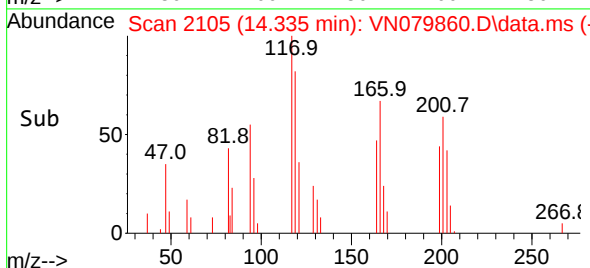
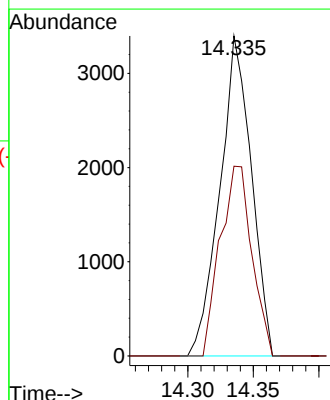
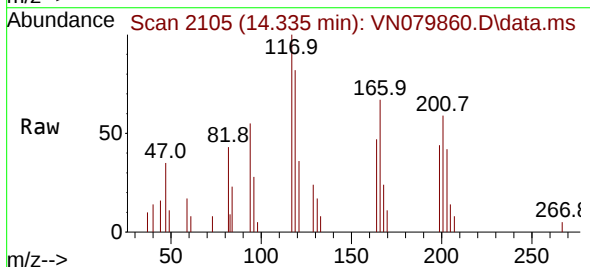
RT: 14.335 min Scan# 2105

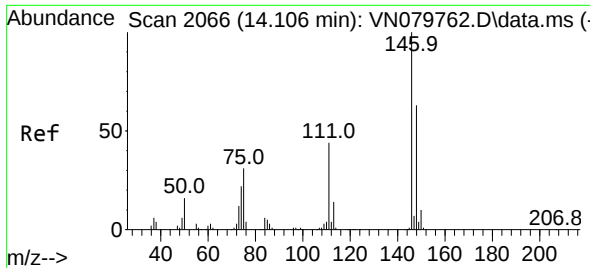
Delta R.T. 0.000 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Tgt Ion:	117	Resp:	5671
Ion Ratio	Lower	Upper	
117	100		
201	59.7	29.3	88.0





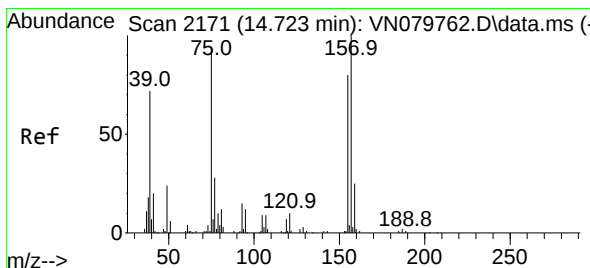
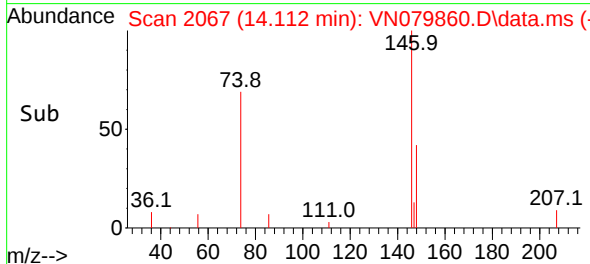
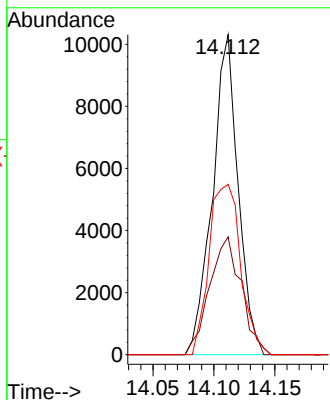
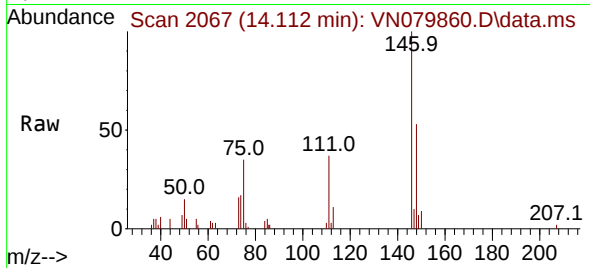
#91
1,2-Dichlorobenzene
Concen: 2.634 ug/l
RT: 14.112 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion:146 Resp: 1517
Ion Ratio Lower Upper
146 100
111 44.9 22.0 66.0
148 65.4 31.8 95.3

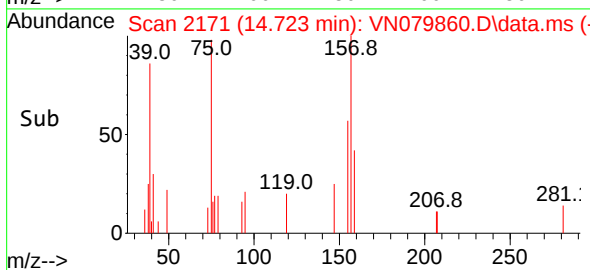
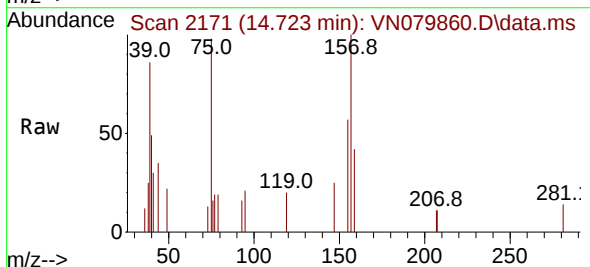
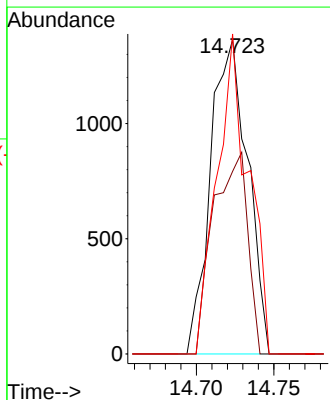
Manual Integrations
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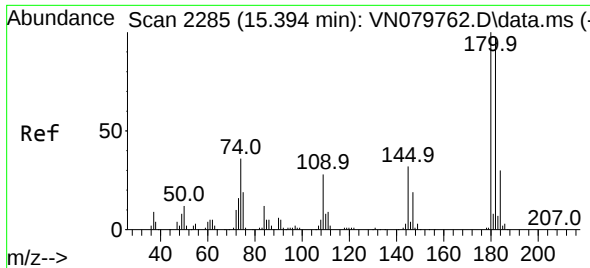
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.817 ug/l
RT: 14.723 min Scan# 2171
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion: 75 Resp: 2270
Ion Ratio Lower Upper
75 100
155 59.4 39.1 117.2
157 86.4 50.3 150.9





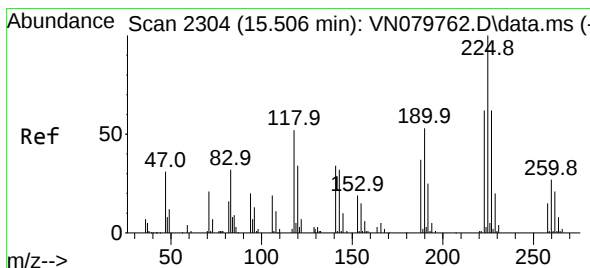
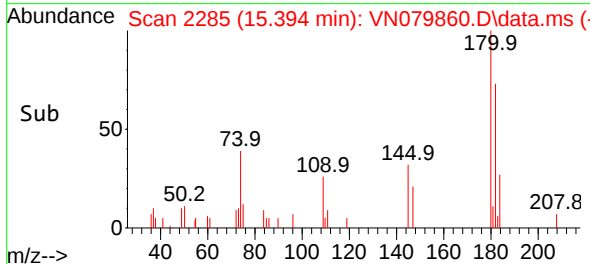
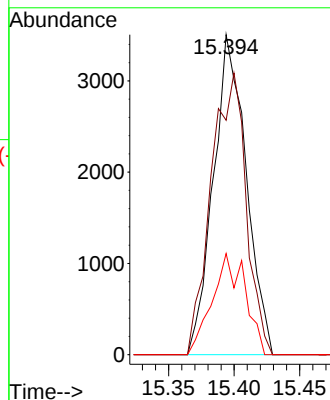
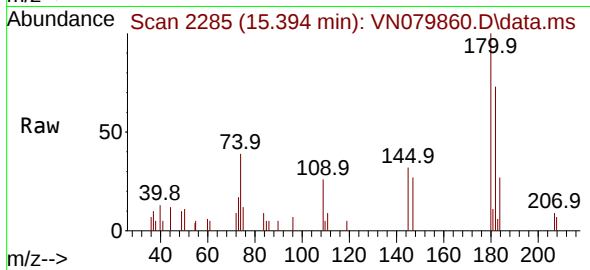
#93
1,2,4-Trichlorobenzene
Concen: 2.228 ug/l
RT: 15.394 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023

Tgt Ion:180 Resp: 610
Ion Ratio Lower Upper
180 100
182 93.8 46.1 138.2
145 31.8 16.6 49.8

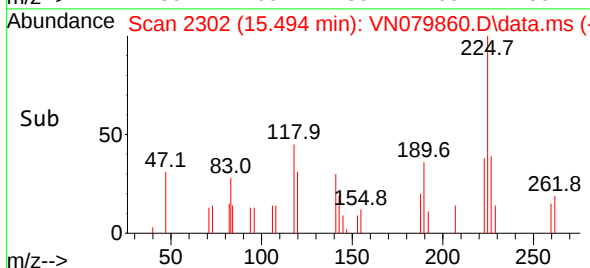
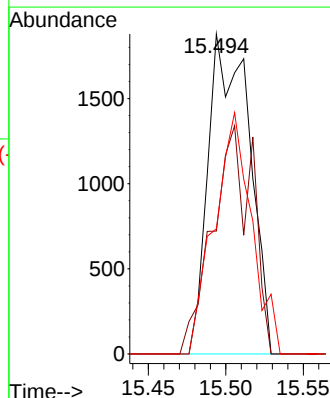
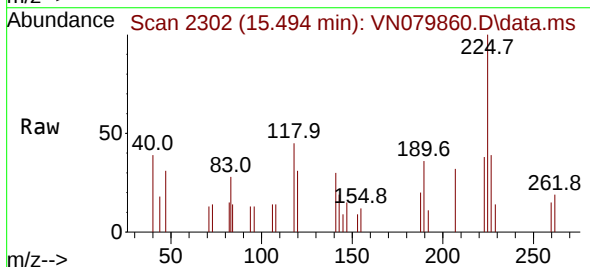
Manual Integrations
APPROVED

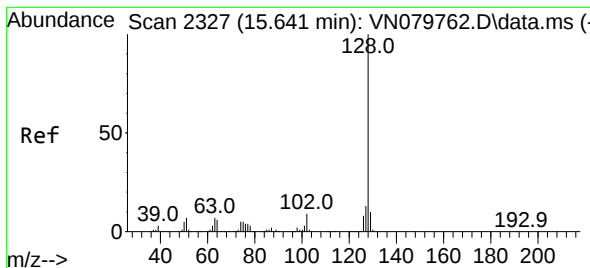
Reviewed By :John Carlone 11/04/2023
Supervised By :Mahesh Dadoda 11/06/2023



#94
Hexachlorobutadiene
Concen: 2.778 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.012 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion:225 Resp: 3450
Ion Ratio Lower Upper
225 100
223 69.5 31.3 93.8
227 68.8 31.9 95.9





#95

Naphthalene

Concen: 1.574 ug/l

RT: 15.647 min Scan# 2327

Delta R.T. 0.006 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023

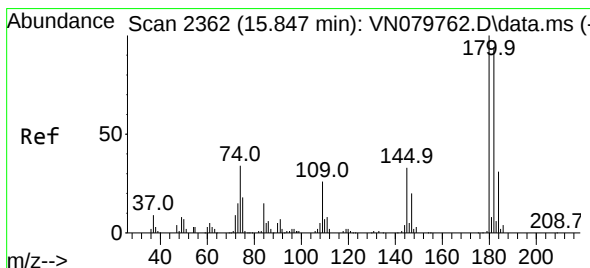
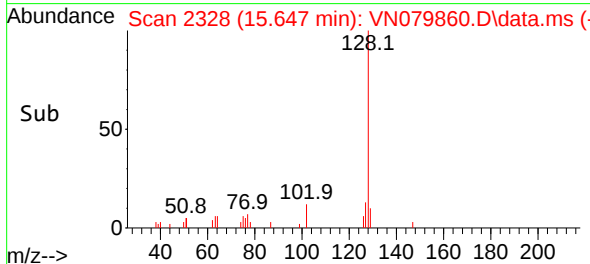
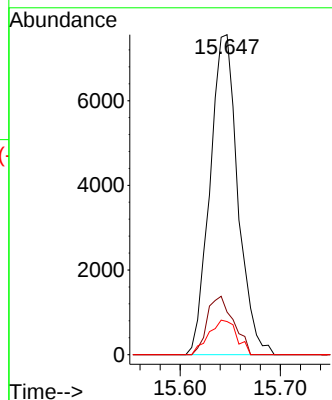
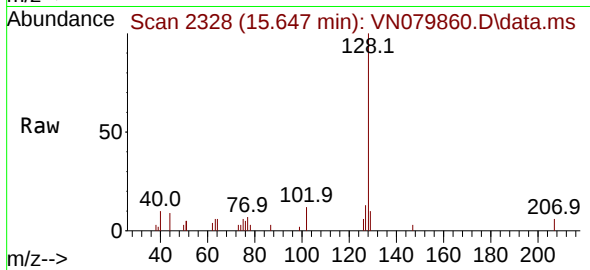
Tgt Ion:	128	Resp:	1462
Ion Ratio	Lower	Upper	
128	100		
127	17.2	10.0	15.0
129	10.9	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/04/2023

Supervised By :Mahesh Dadoda 11/06/2023



#96

1,2,3-Trichlorobenzene

Concen: 2.309 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Tgt Ion:	180	Resp:	6202
Ion Ratio	Lower	Upper	
180	100		
182	90.2	46.2	138.6
145	35.9	17.5	52.6

