

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

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	11884	3.700	ug/l	92
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	16937	4.086	ug/l	72
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...	12.853	75	112745	73.996	ug/l #	15
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

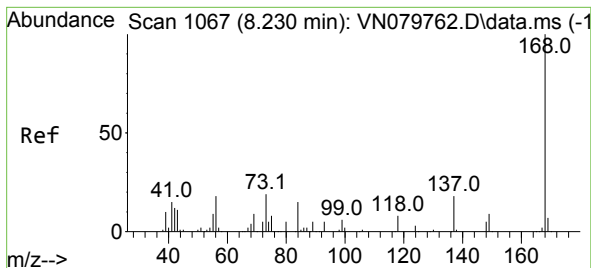
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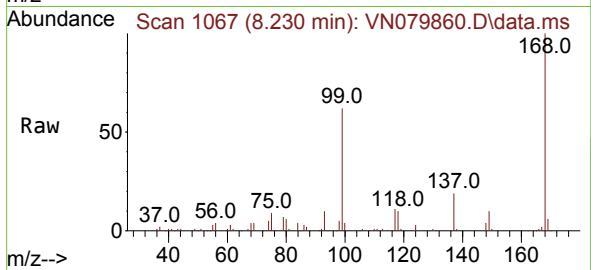
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

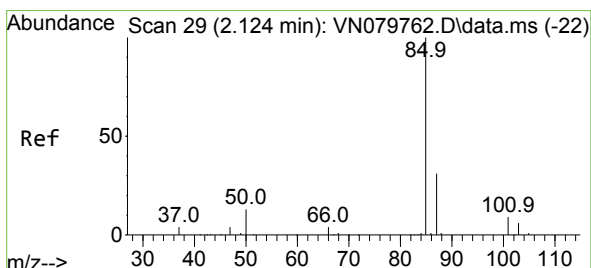
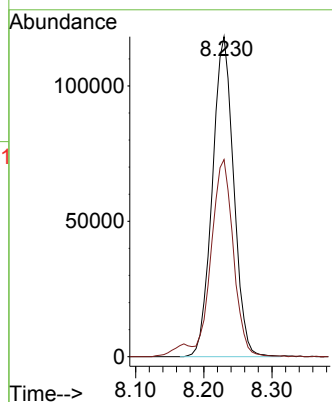
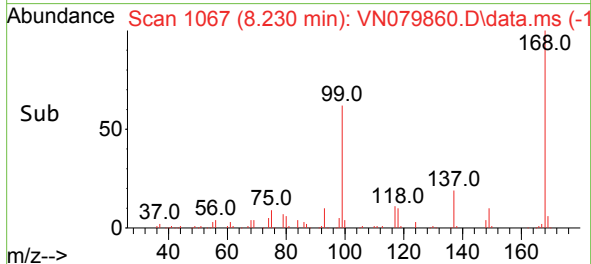


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. 0.001 min
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MDL-WATER-03-QT4-2023

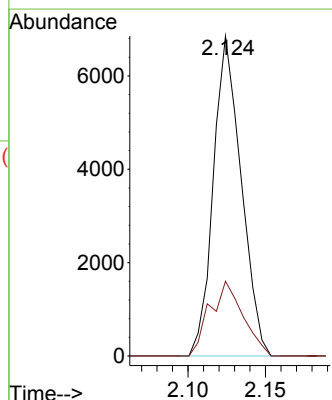
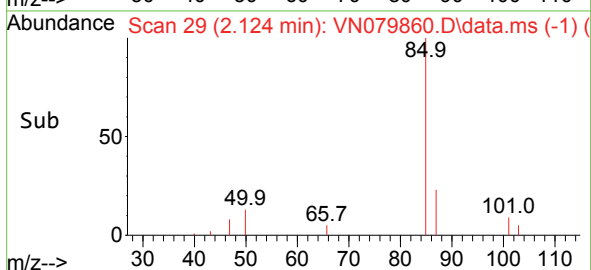
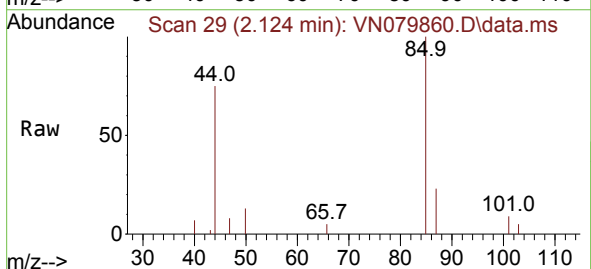


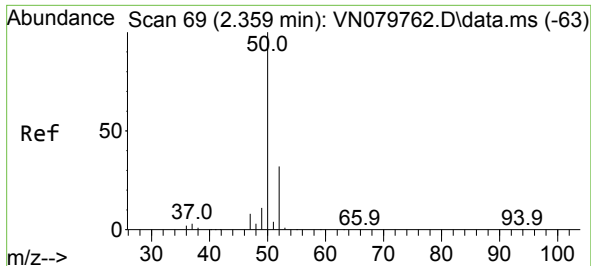
Tgt Ion:168 Resp: 257796
Ion Ratio Lower Upper
168 100
99 61.4 53.0 79.6



#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

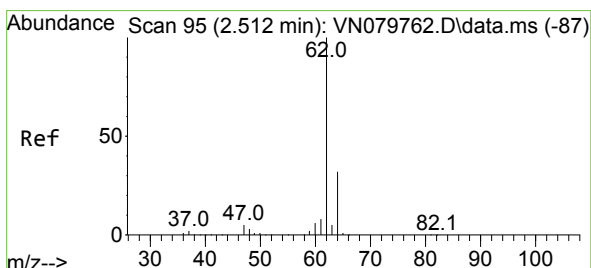
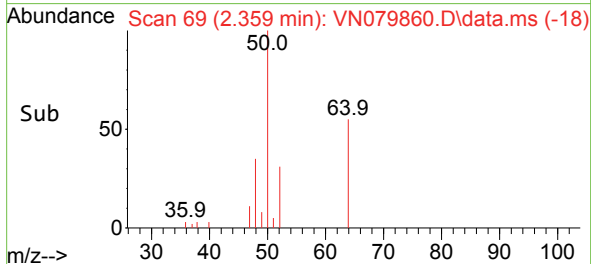
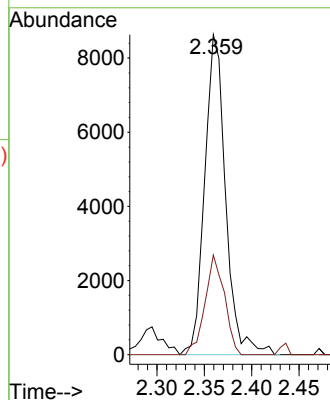
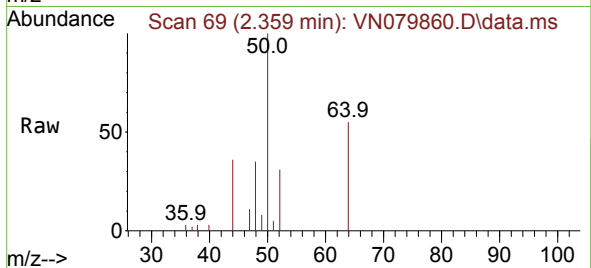




#3
Chloromethane
Concen: 2.710 ug/l
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

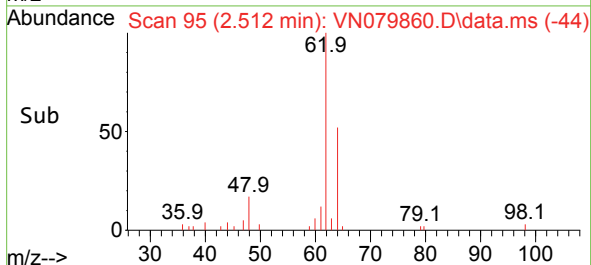
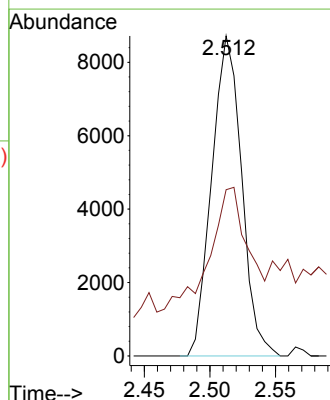
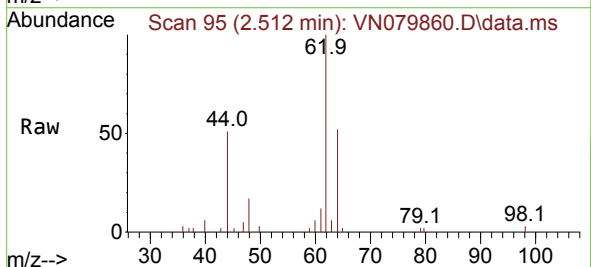
Instrument :
MSVOA_N
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MDL-WATER-03-QT4-2023

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



#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

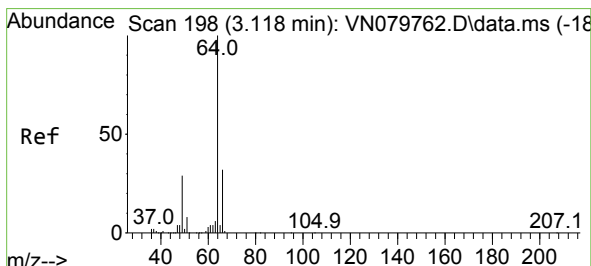
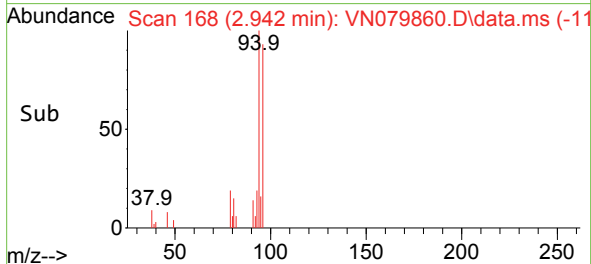
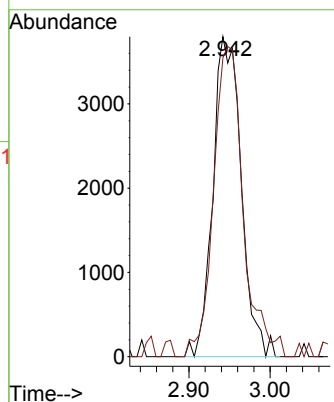
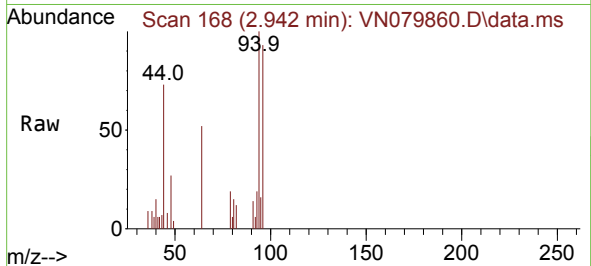




#5
Bromomethane
Concen: 3.714 ug/l
RT: 2.942 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

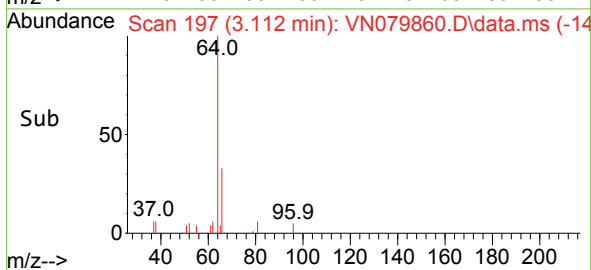
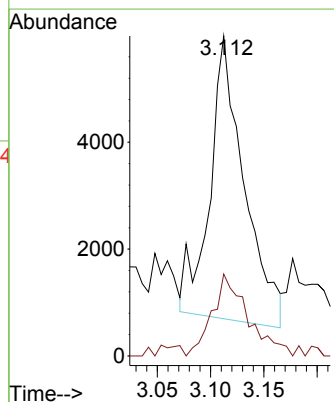
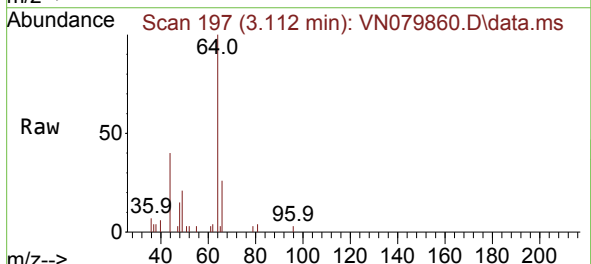
Instrument :
MSVOA_N
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Tgt Ion: 94 Resp: 9172
Ion Ratio Lower Upper
94 100
96 93.4 73.1 109.7



#6
Chloroethane
Concen: 3.700 ug/l
RT: 3.112 min Scan# 197
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

Tgt Ion: 64 Resp: 11884
Ion Ratio Lower Upper
64 100
66 27.3 25.4 38.2

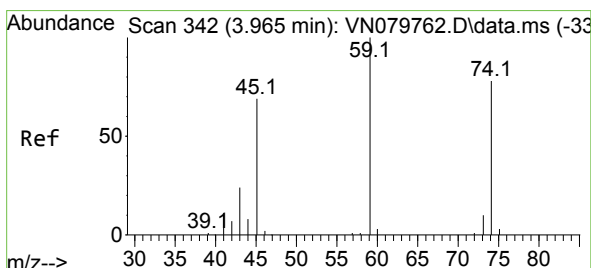
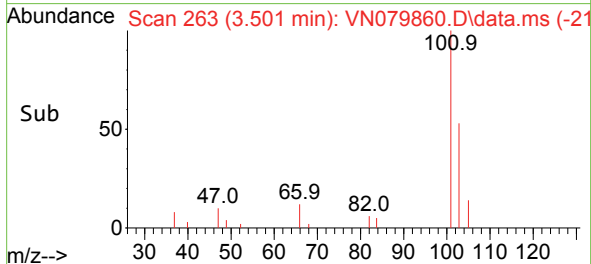
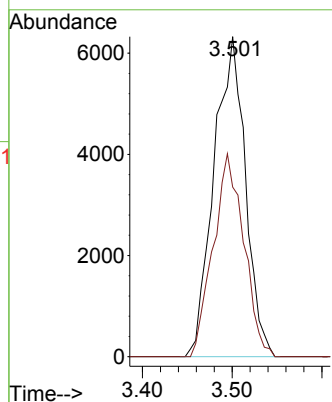
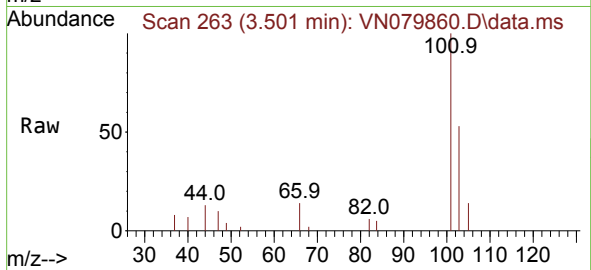




#7
 Trichlorofluoromethane
 Concen: 3.041 ug/l
 RT: 3.501 min Scan# 2
 Delta R.T. 0.006 min
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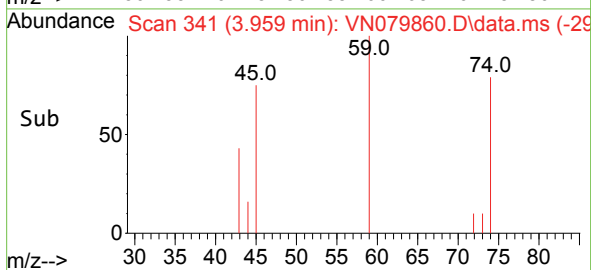
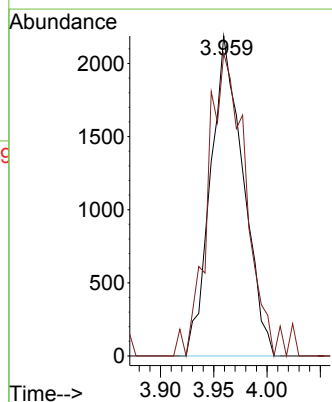
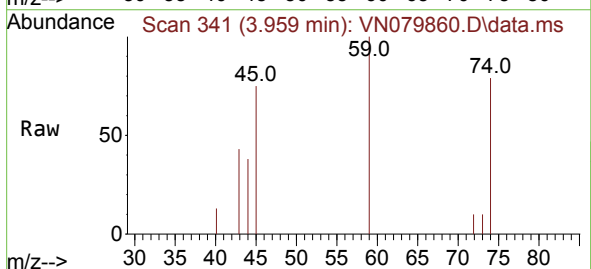
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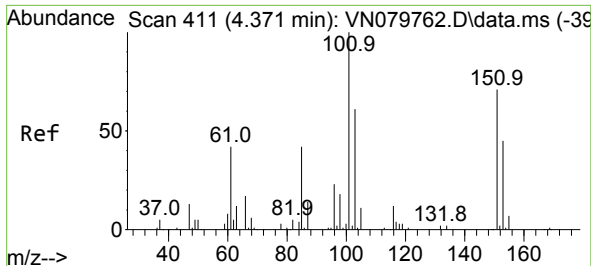
Tgt Ion:101 Resp: 15375
 Ion Ratio Lower Upper
 101 100
 103 53.0 50.7 76.1



#8
 Diethyl Ether
 Concen: 2.428 ug/l
 RT: 3.959 min Scan# 341
 Delta R.T. -0.006 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

Tgt Ion: 74 Resp: 4658
 Ion Ratio Lower Upper
 74 100
 45 108.6 34.4 103.3#

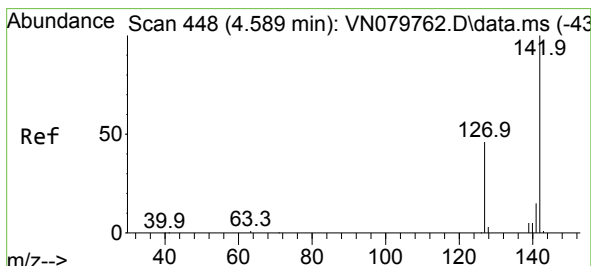
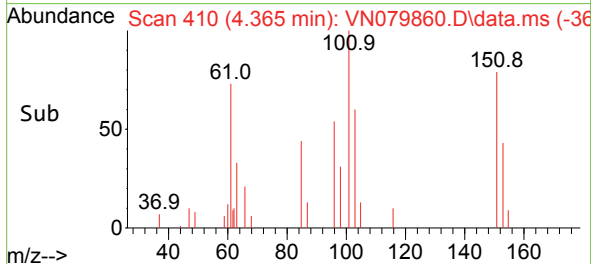
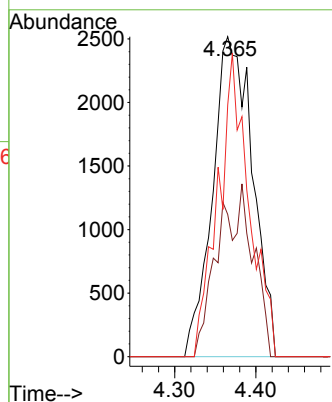
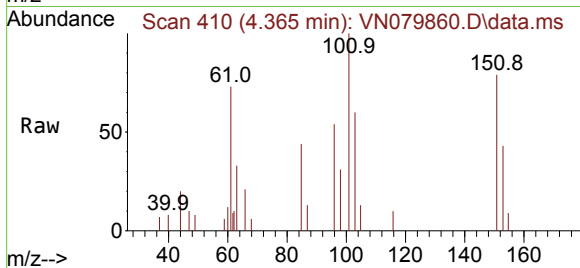




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.935 ug/l
RT: 4.365 min Scan# 411
Delta R.T. -0.006 min
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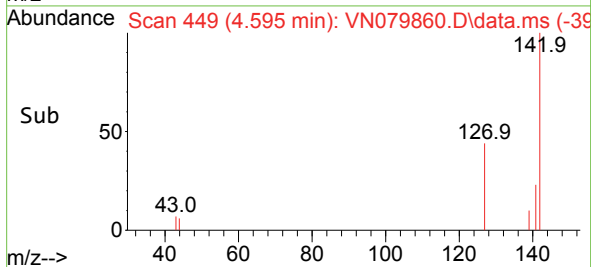
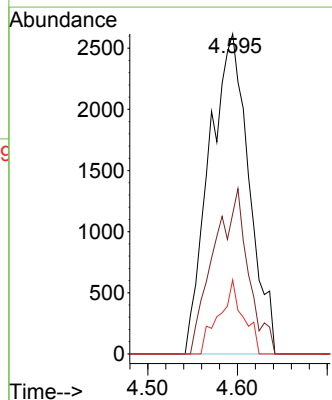
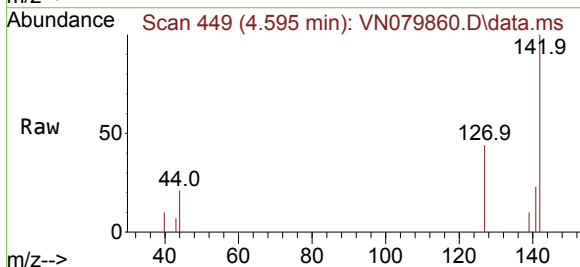
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ClientSampleId :
MDL-WATER-03-QT4-2023

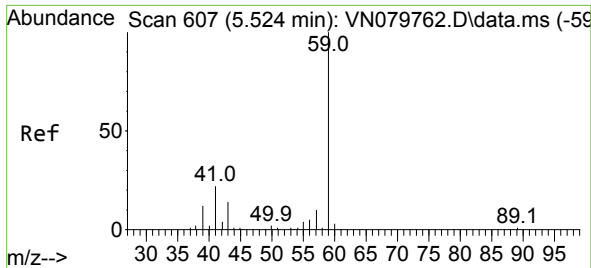
Tgt Ion:101 Resp: 8602
Ion Ratio Lower Upper
101 100
85 23.8 36.6 55.0#
151 73.9 57.6 86.4



#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#

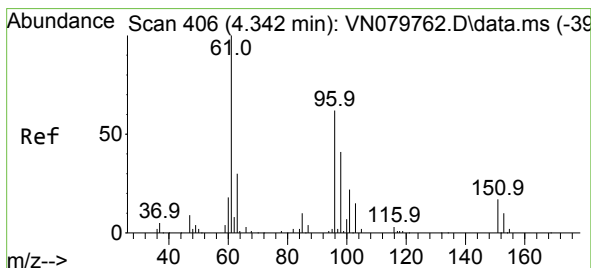
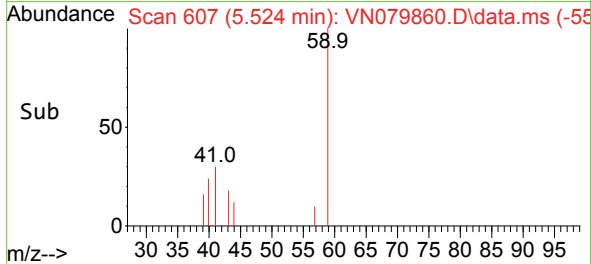
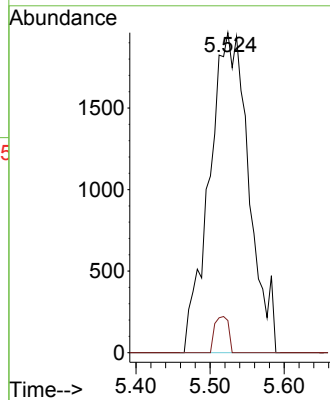
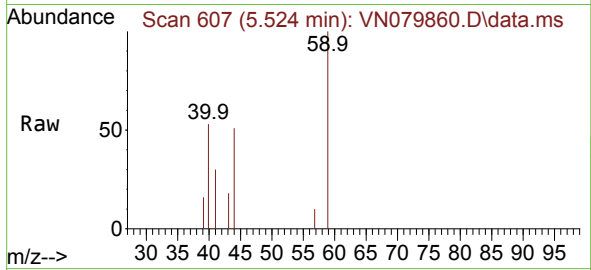




#11
Tert butyl alcohol
Concen: 14.466 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

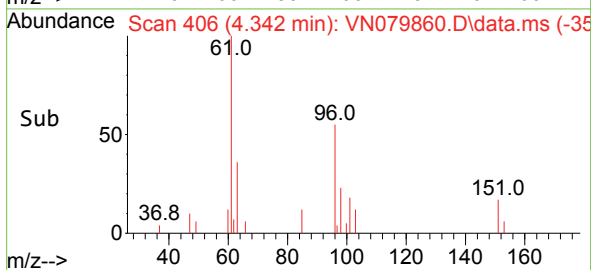
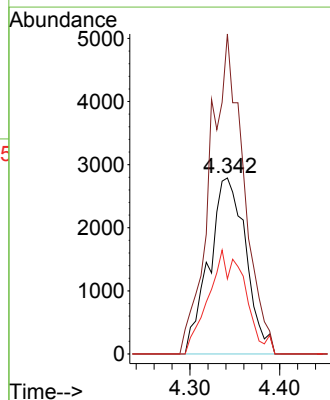
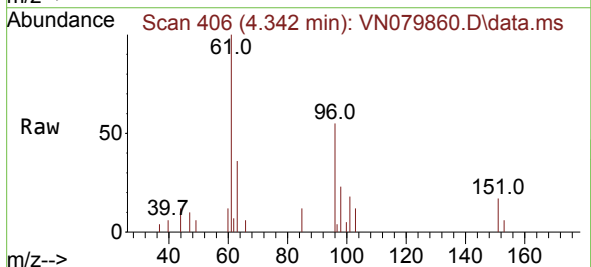
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

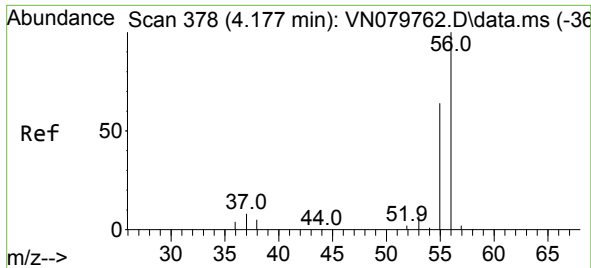
Tgt Ion: 59 Resp: 7253
Ion Ratio Lower Upper
59 100
57 3.9 8.2 12.4#



#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# 31

Delta R.T. 0.006 min

Lab File: VN079860.D

Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

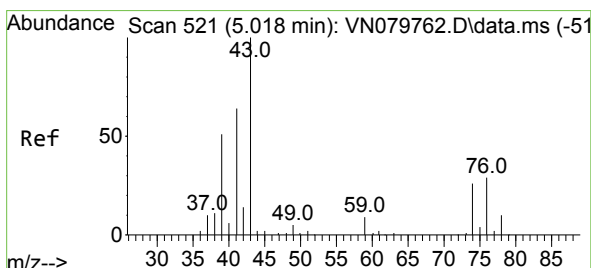
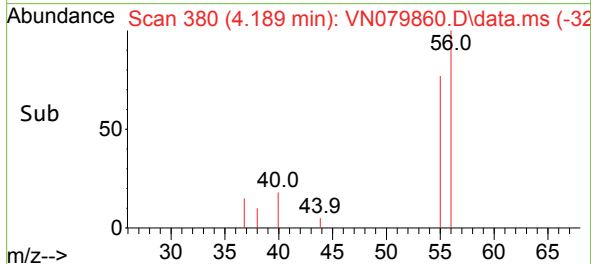
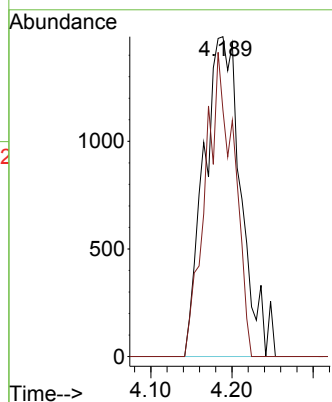
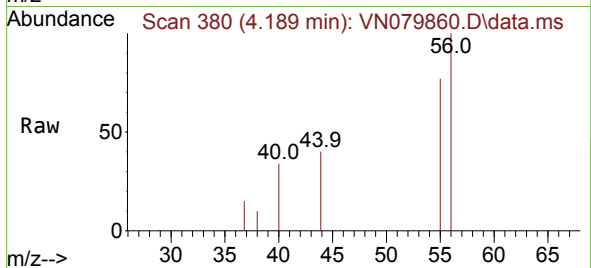
MDL-WATER-03-QT4-2023

Tgt Ion: 56 Resp: 4729

Ion Ratio Lower Upper

56 100

55 73.1 54.5 81.7



#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

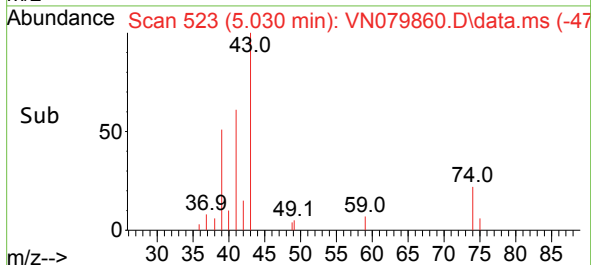
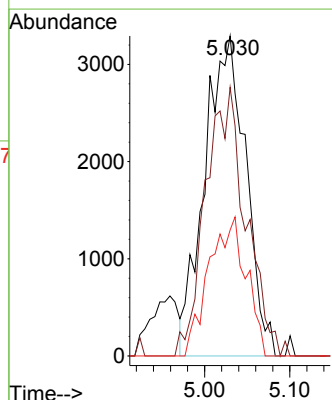
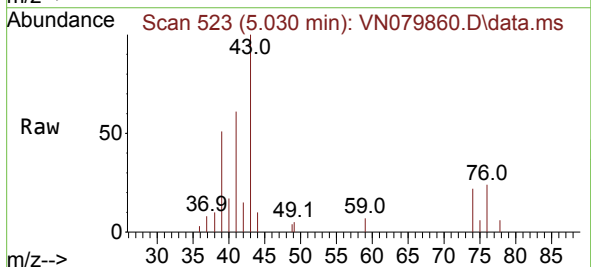
Tgt Ion: 41 Resp: 11040

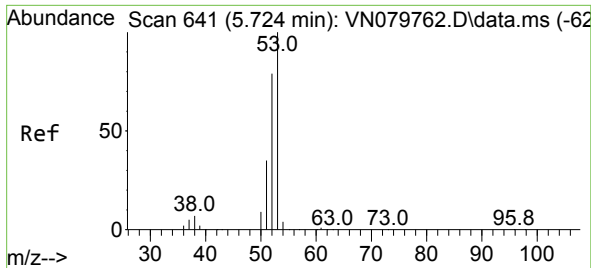
Ion Ratio Lower Upper

41 100

39 82.5 58.8 88.2

76 39.4 39.1 58.7

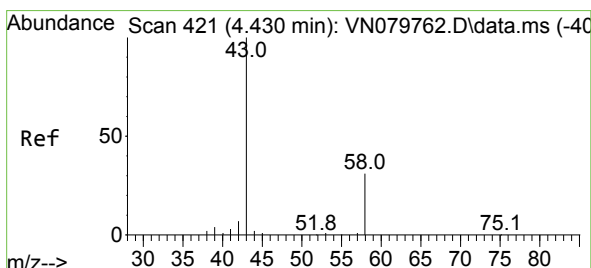
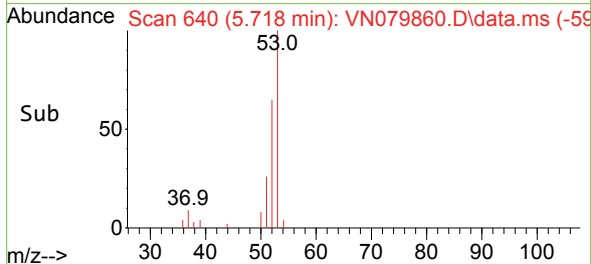
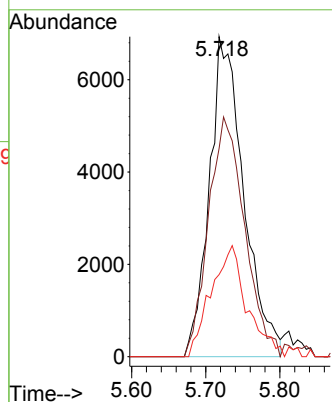
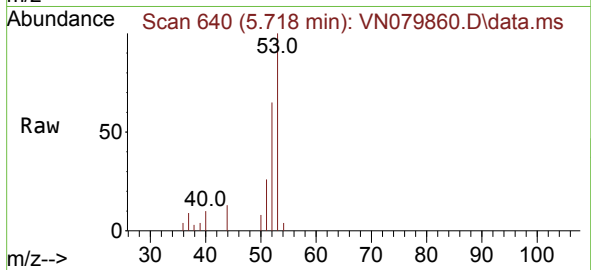




#15
Acrylonitrile
Concen: 14.284 ug/l
RT: 5.718 min Scan# 641
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

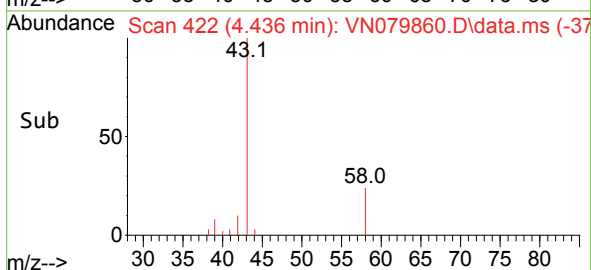
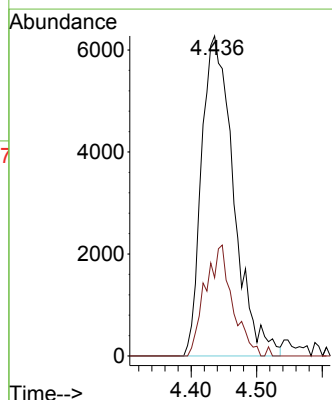
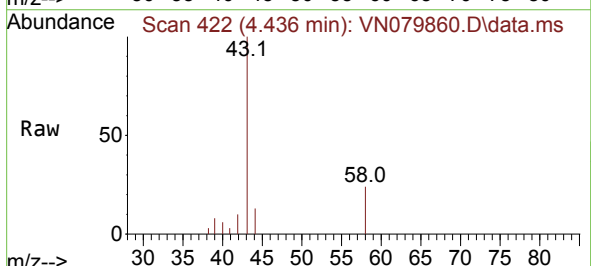
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023

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



#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#

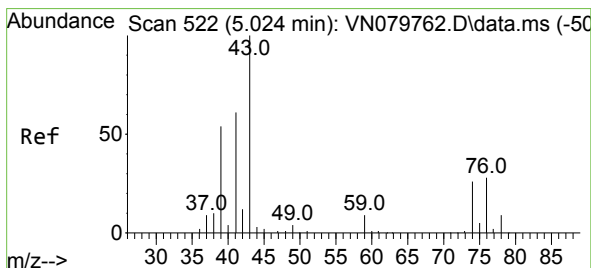
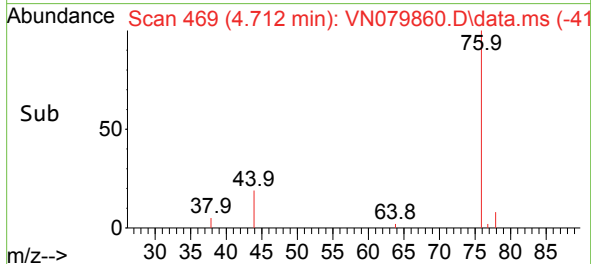
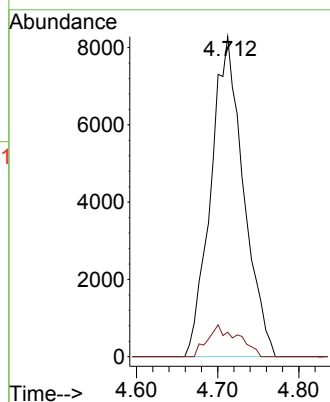
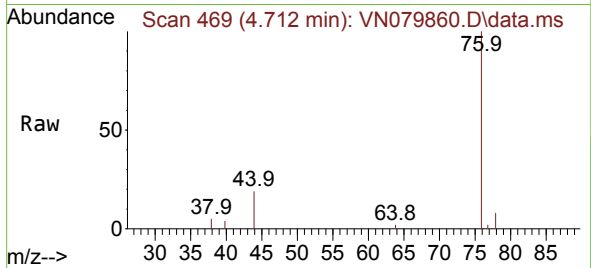




#17
Carbon Disulfide
Concen: 2.897 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

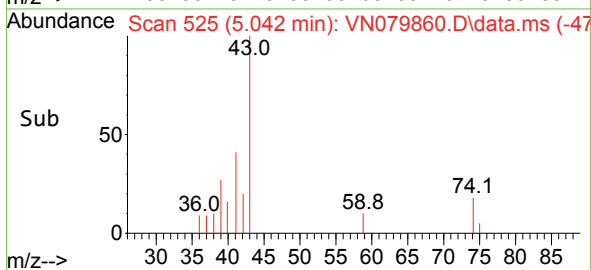
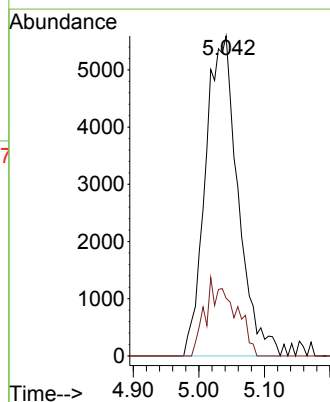
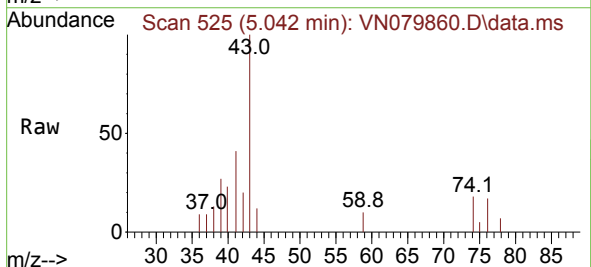
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023

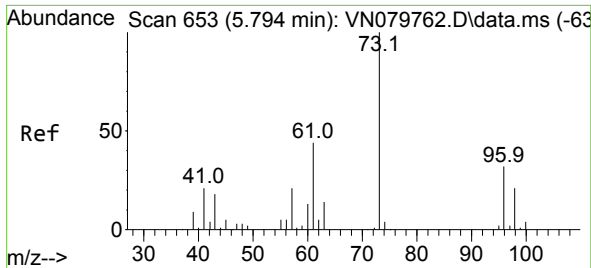
Tgt Ion: 76 Resp: 23191
Ion Ratio Lower Upper
76 100
78 7.7 7.4 11.0



#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#

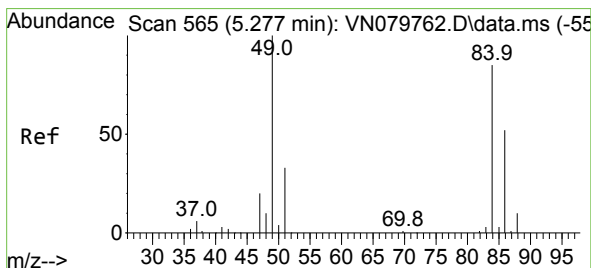
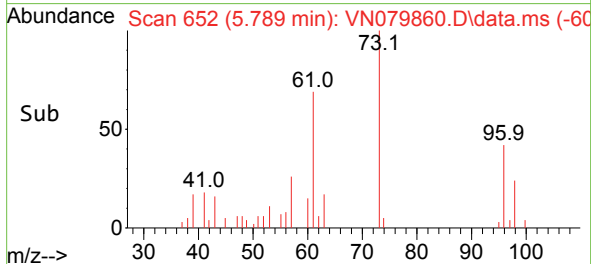
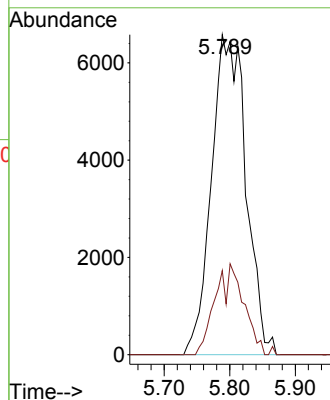
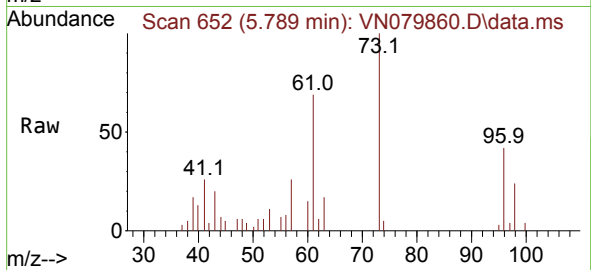




#19
Methyl tert-butyl Ether
Concen: 2.519 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.012 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

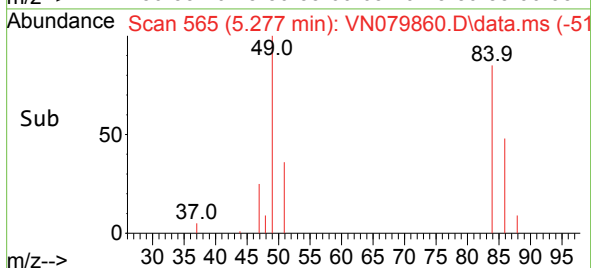
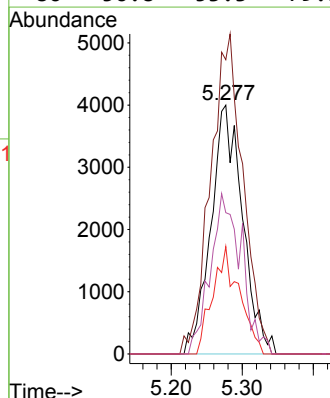
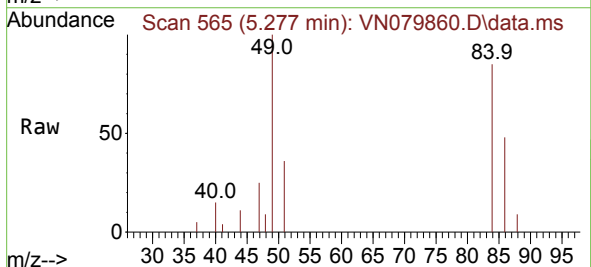
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

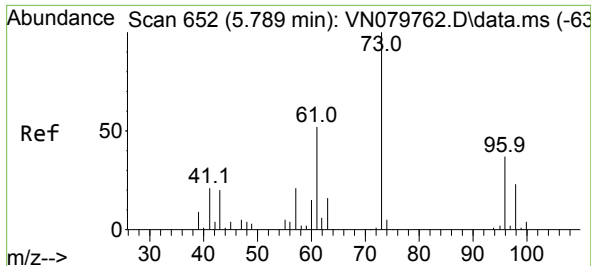
Tgt Ion: 73 Resp: 24070
Ion Ratio Lower Upper
73 100
57 26.3 15.6 23.4#



#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

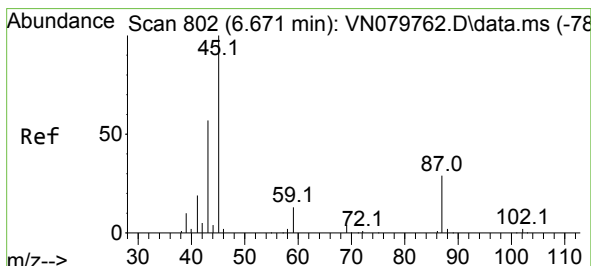
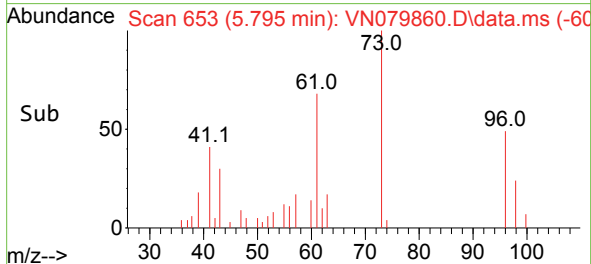
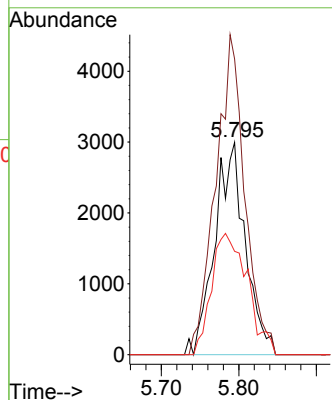
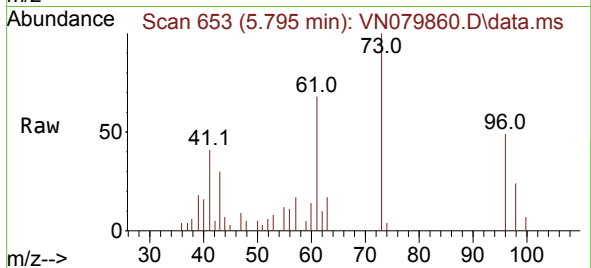




#21
trans-1,2-Dichloroethene
Concen: 2.651 ug/l
RT: 5.795 min Scan# 61
Delta R.T. 0.012 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

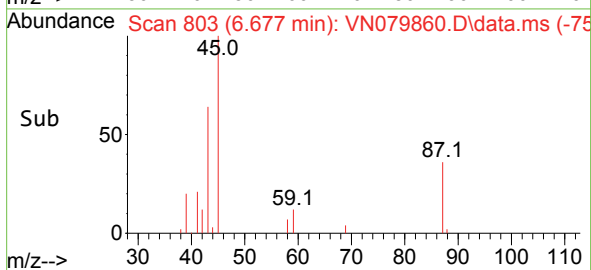
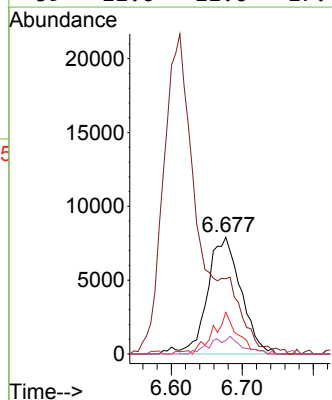
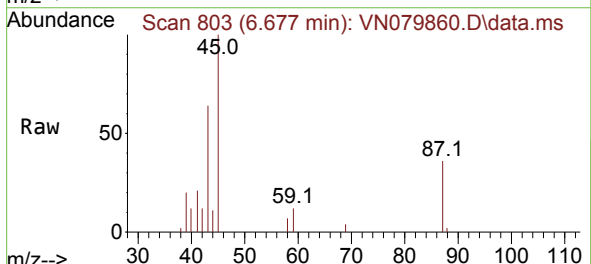
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

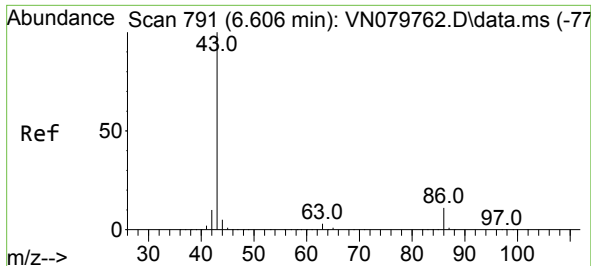
Tgt Ion: 96 Resp: 8204
Ion Ratio Lower Upper
96 100
61 139.3 90.1 135.1#
98 48.7 46.4 69.6



#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

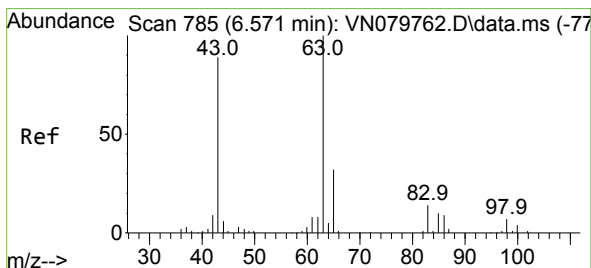
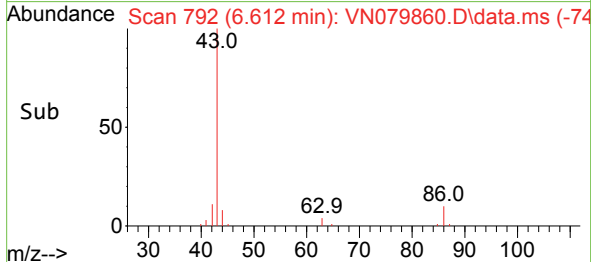
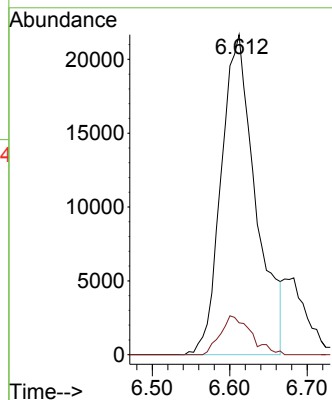
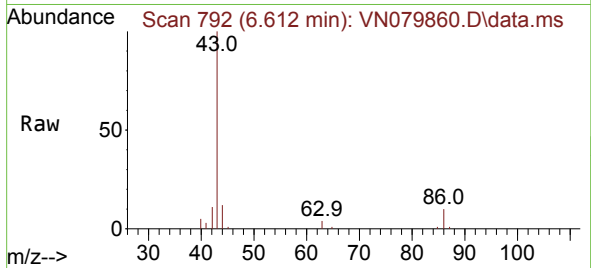




#23
 Vinyl Acetate
 Concen: 12.345 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

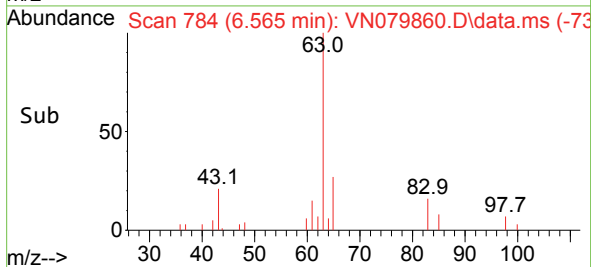
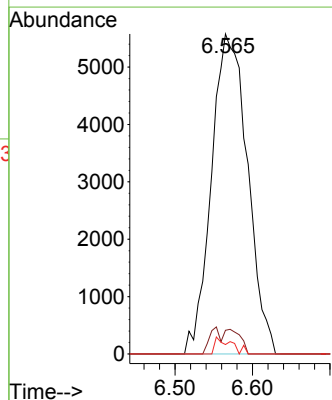
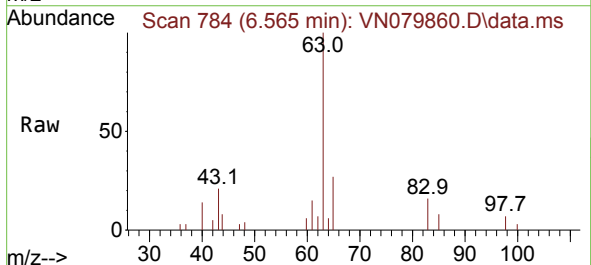
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023

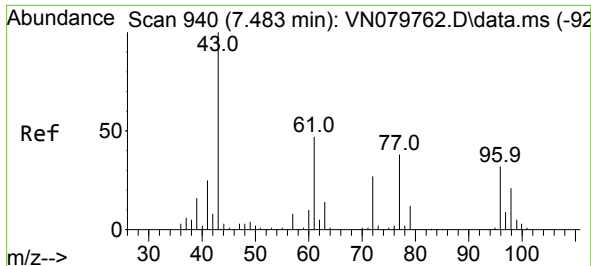
Tgt Ion: 43 Resp: 67068
 Ion Ratio Lower Upper
 43 100
 86 9.9 13.0 19.6#



#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

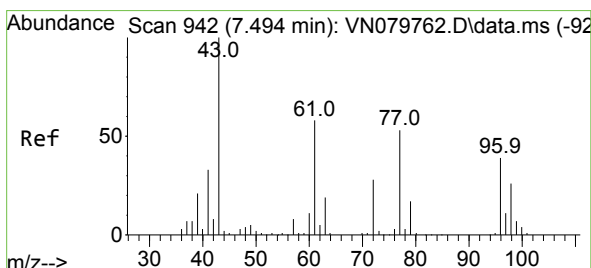
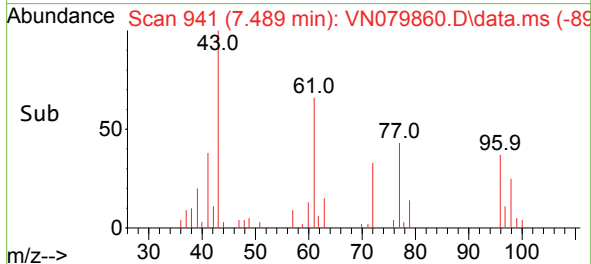
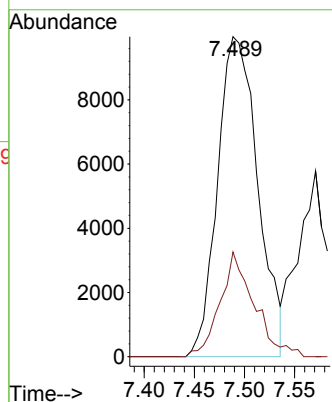
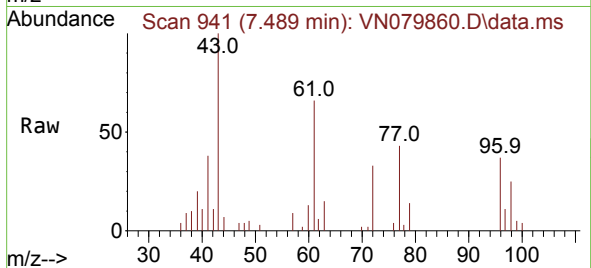




#25
2-Butanone
Concen: 13.756 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

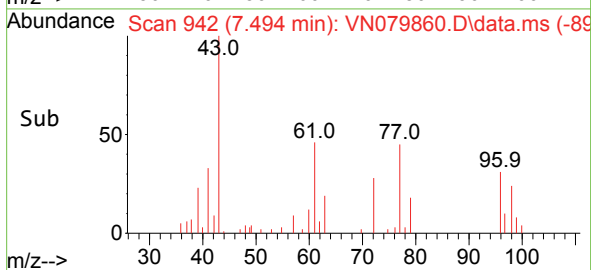
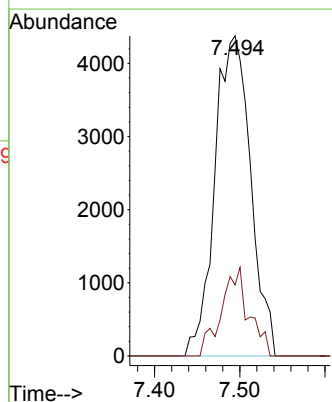
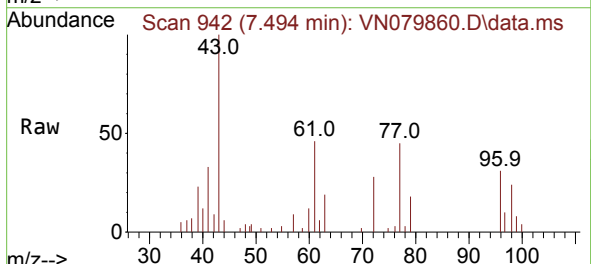
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

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



#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

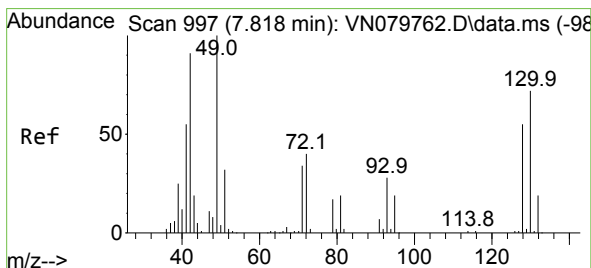
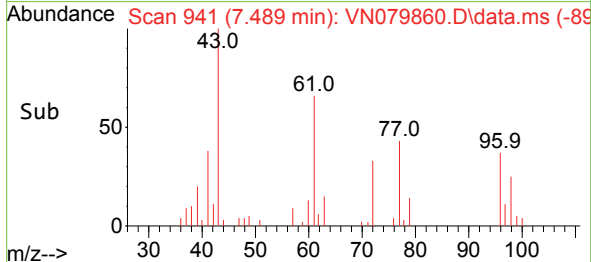
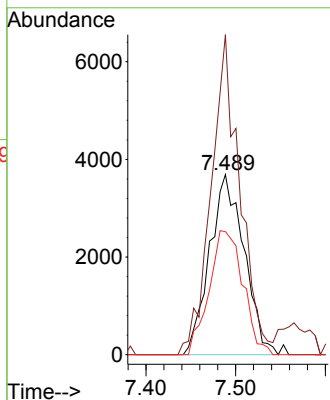
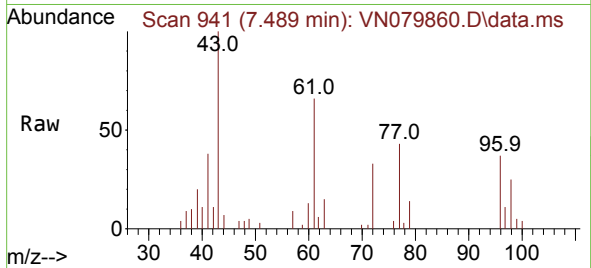




#27
cis-1,2-Dichloroethene
Concen: 2.665 ug/l
RT: 7.489 min Scan# 941
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

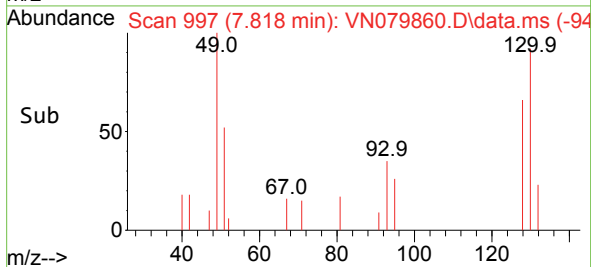
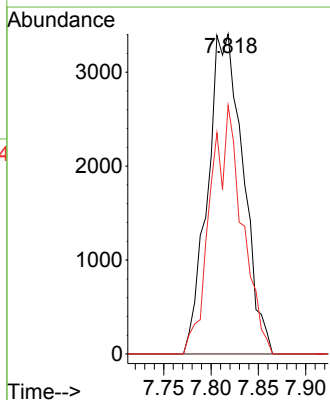
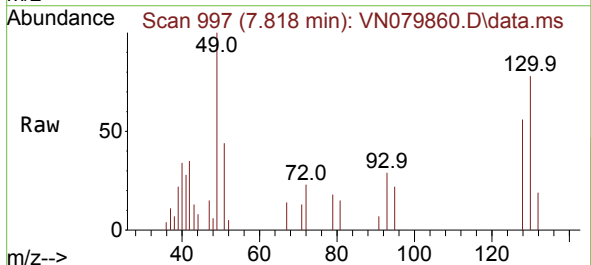
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

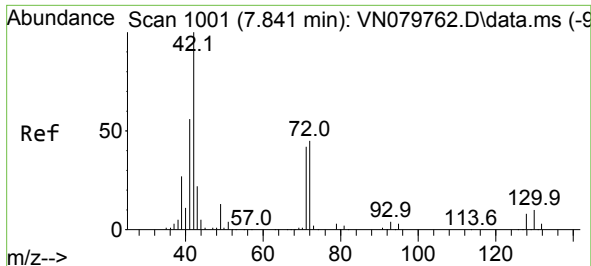
Tgt Ion:	96	Resp:	9867
Ion	Ratio	Lower	Upper
96	100		
61	148.3	0.0	255.2
98	67.6	0.0	128.8



#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#

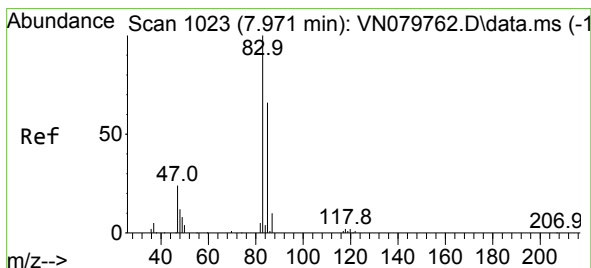
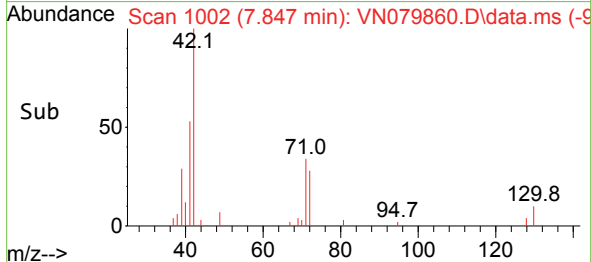
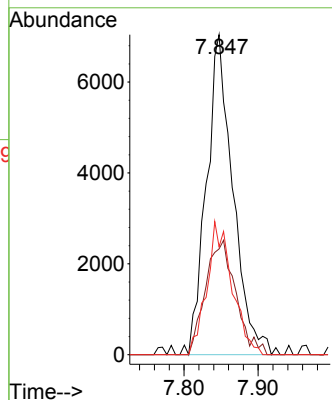
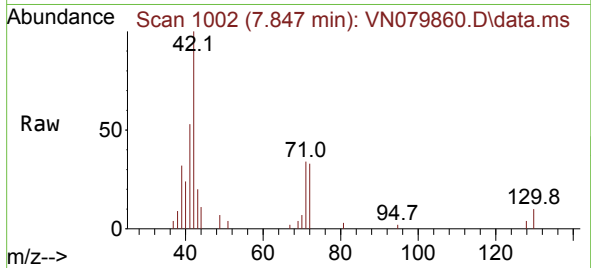




#29
Tetrahydrofuran
Concen: 13.336 ug/l
RT: 7.847 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

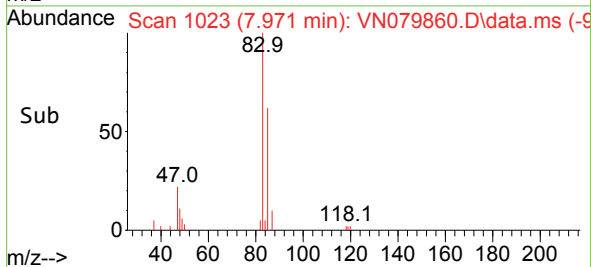
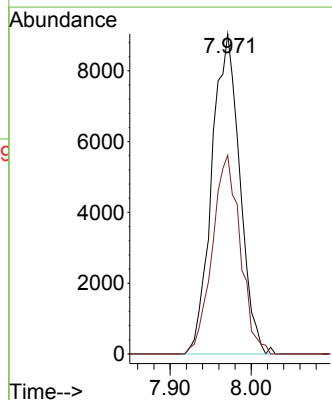
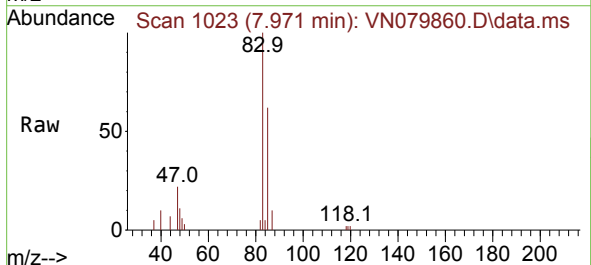
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

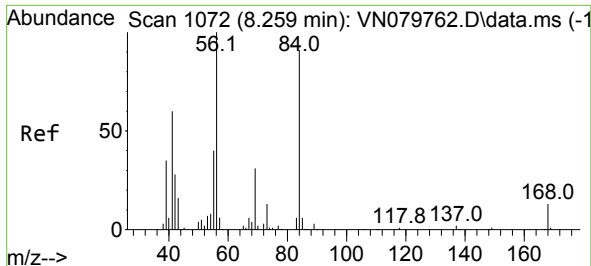
Tgt Ion: 42 Resp: 17529
Ion Ratio Lower Upper
42 100
72 40.6 49.8 74.6#
71 39.6 47.4 71.2#



#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

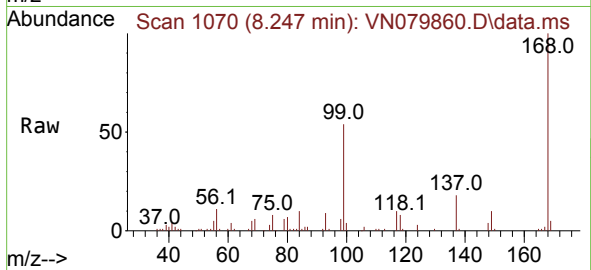
Tgt Ion: 83 Resp: 21633
Ion Ratio Lower Upper
83 100
85 62.1 55.4 83.0



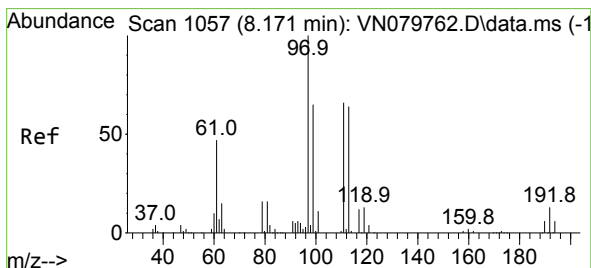
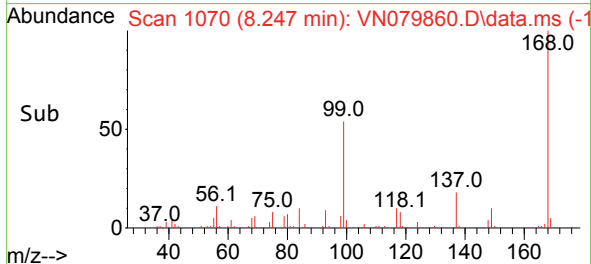
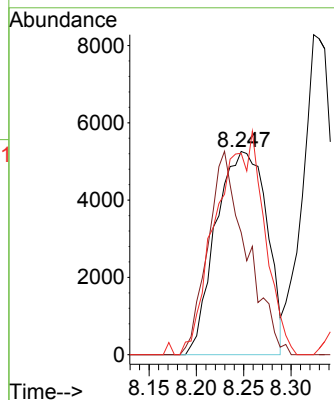


#31
Cyclohexane
Concen: 3.792 ug/l
RT: 8.247 min Scan# 1070
Delta R.T. -0.012 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

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

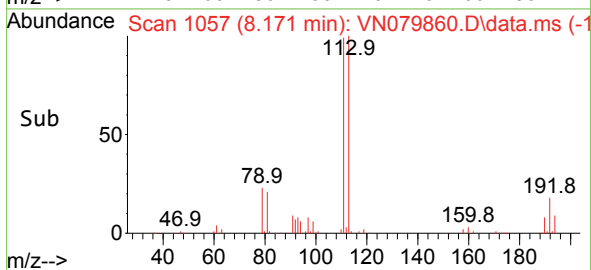
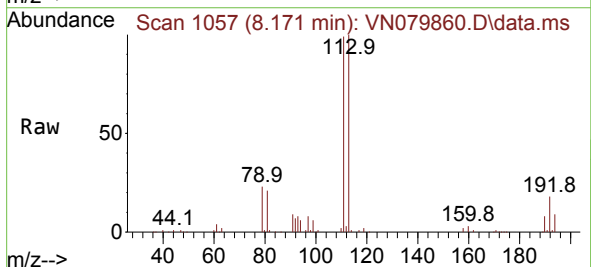
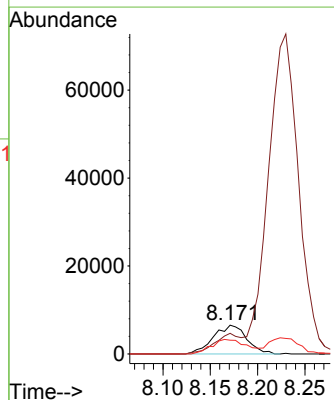


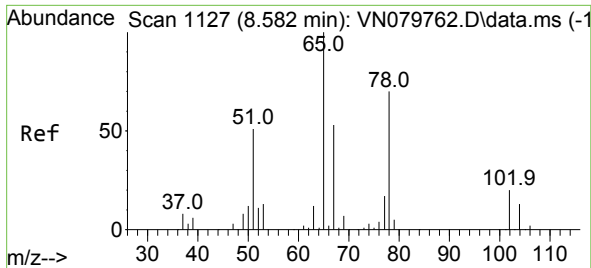
Tgt Ion: 56 Resp: 19681
Ion Ratio Lower Upper
56 100
69 60.2 26.8 40.2#
84 99.1 81.8 122.6



#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 :

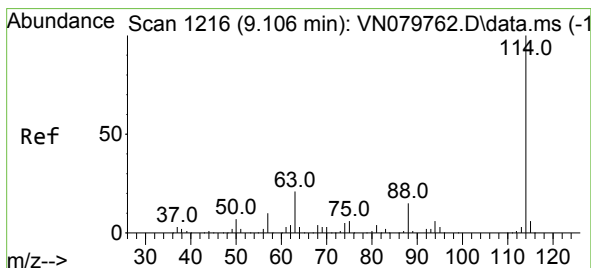
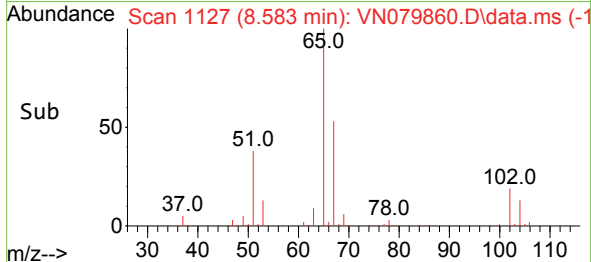
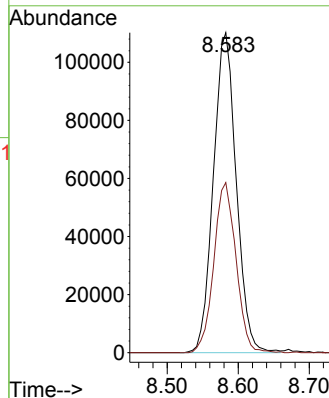
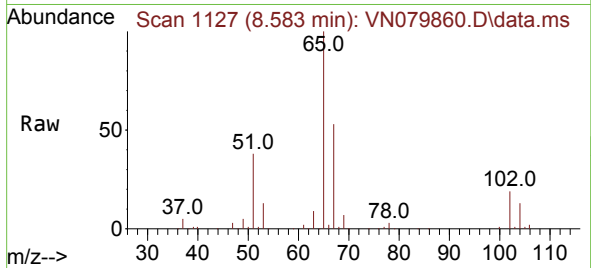
MDL-WATER-03-QT4-2023

Tgt Ion: 65 Resp: 246081

Ion Ratio Lower Upper

65 100

67 51.5 0.0 106.6



#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

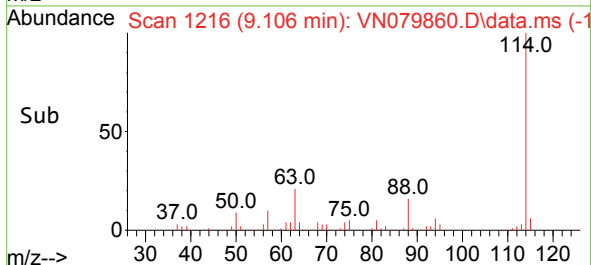
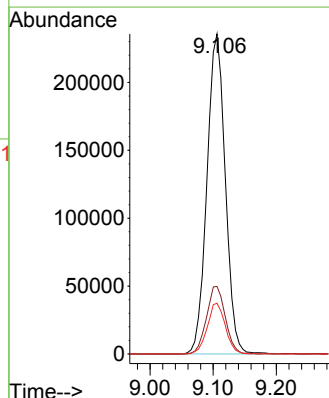
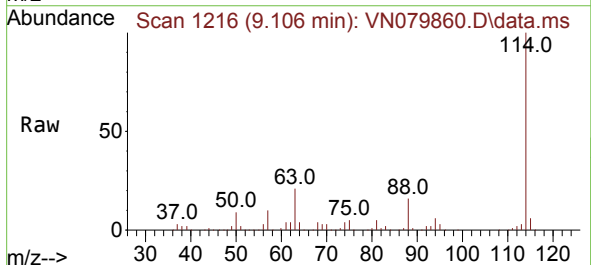
Tgt Ion: 114 Resp: 476315

Ion Ratio Lower Upper

114 100

63 21.1 0.0 36.4

88 15.8 0.0 30.6

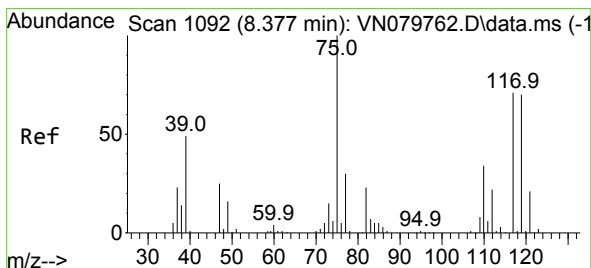
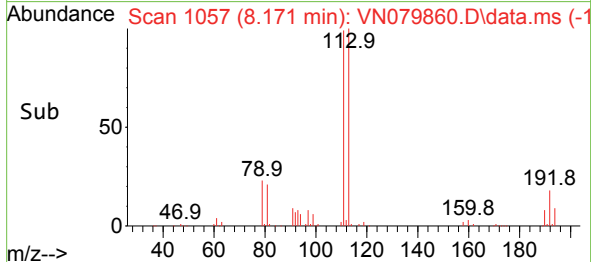
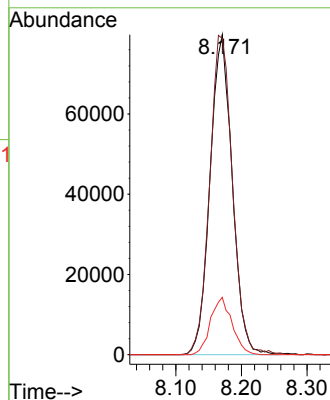
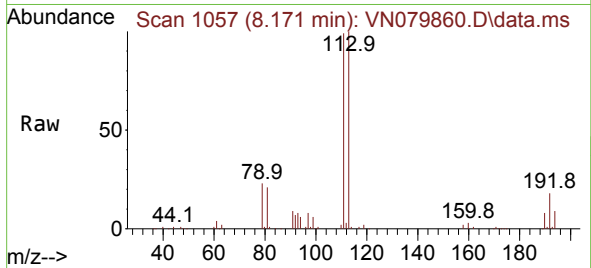




#35
Dibromofluoromethane
Concen: 55.546 ug/l
RT: 8.171 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

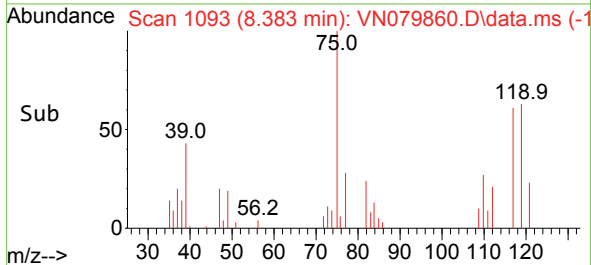
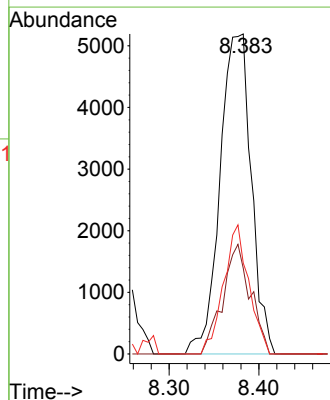
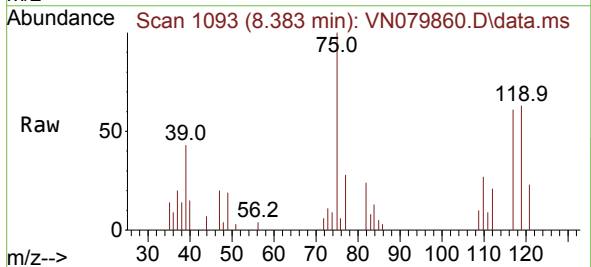
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

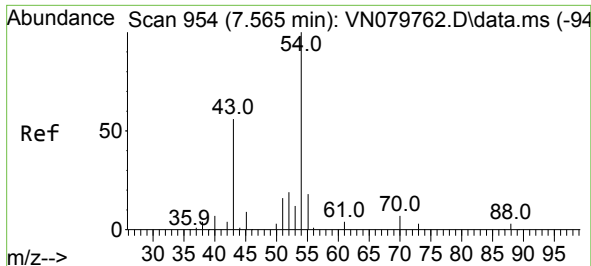
Tgt Ion:113 Resp: 187255
Ion Ratio Lower Upper
113 100
111 103.0 82.6 123.8
192 17.4 12.7 19.1



#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

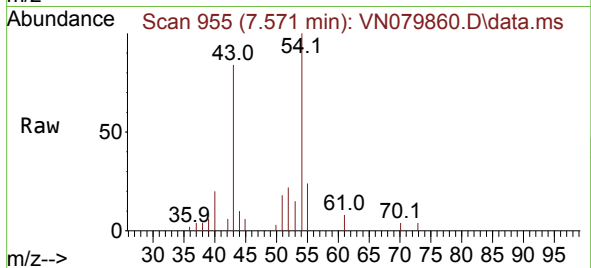
Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023



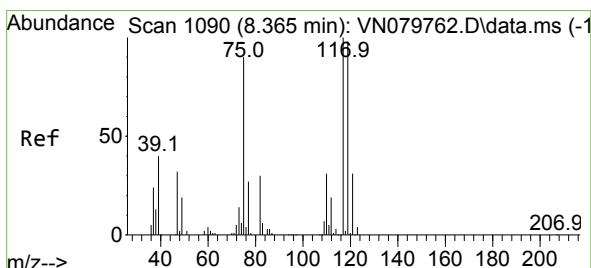
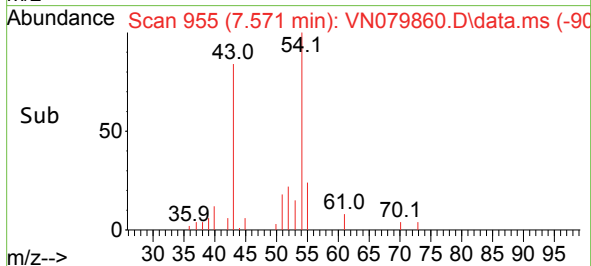
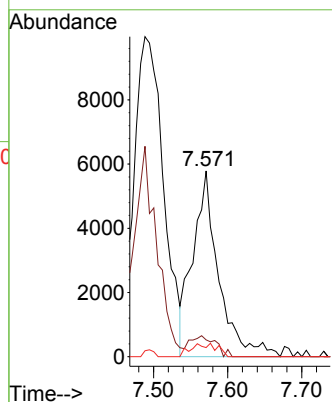
Tgt Ion: 43 Resp: 14037

Ion Ratio Lower Upper

43 100

61 11.0 13.2 19.8#

70 4.3 11.3 16.9#



#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

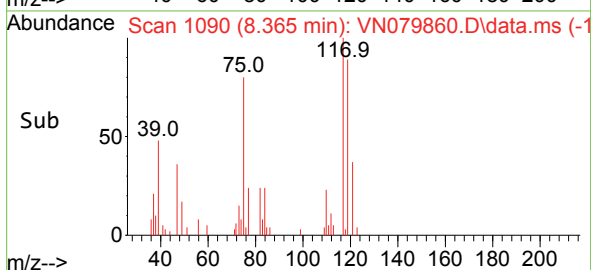
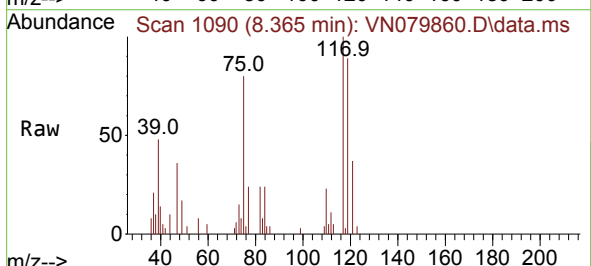
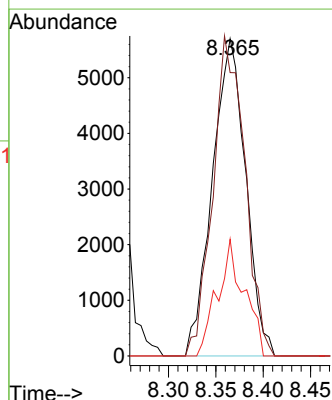
Tgt Ion: 117 Resp: 13929

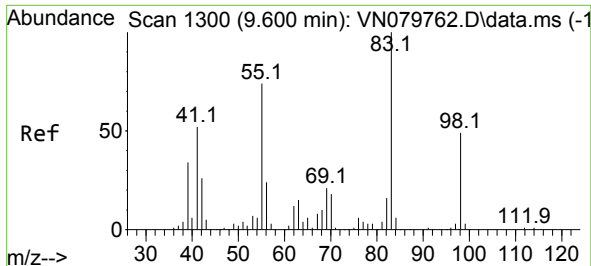
Ion Ratio Lower Upper

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

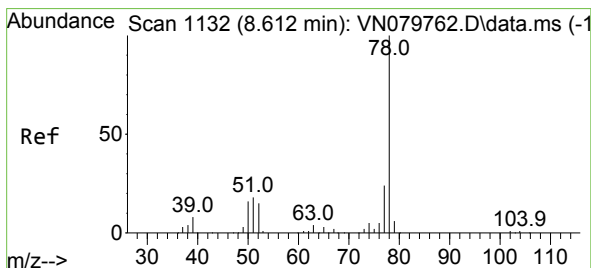
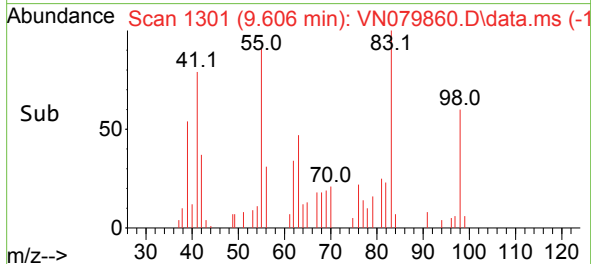
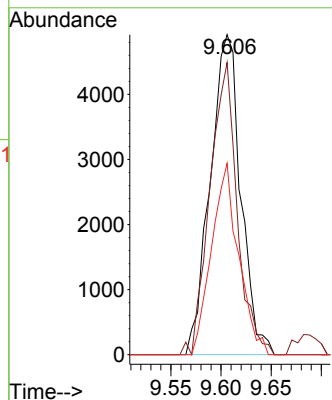
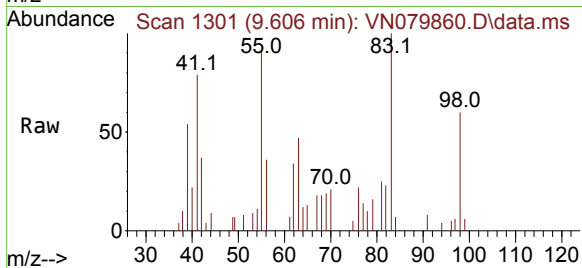
Tgt Ion: 83 Resp: 10422

Ion Ratio Lower Upper

83 100

55 91.3 49.1 73.7#

98 59.8 40.6 61.0



#40

Benzene

Concen: 2.775 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN079860.D

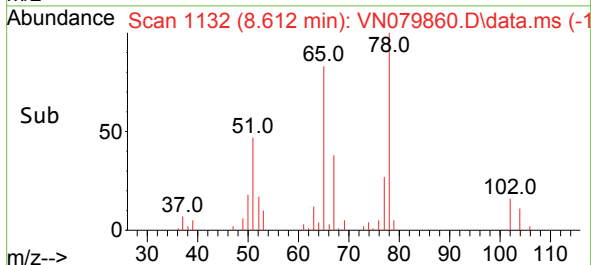
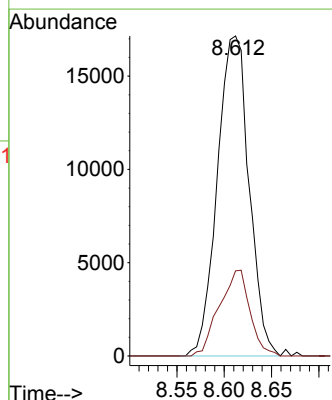
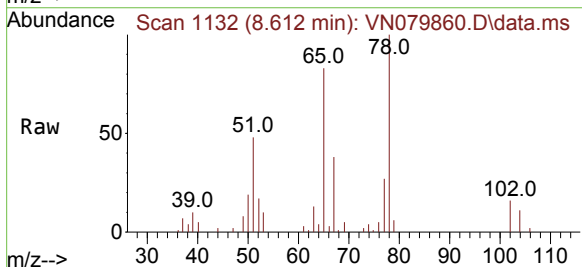
Acq: 03 Nov 2023 19:38

Tgt Ion: 78 Resp: 40009

Ion Ratio Lower Upper

78 100

77 26.6 19.0 28.6

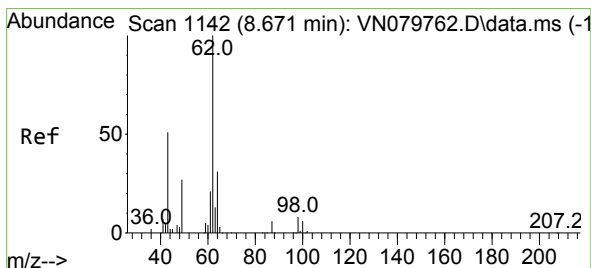
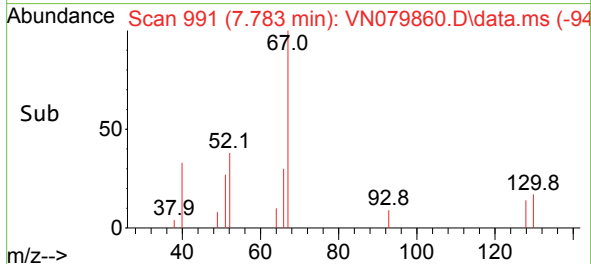
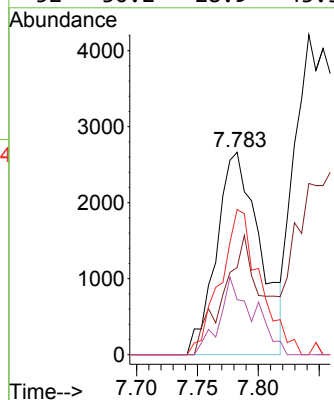
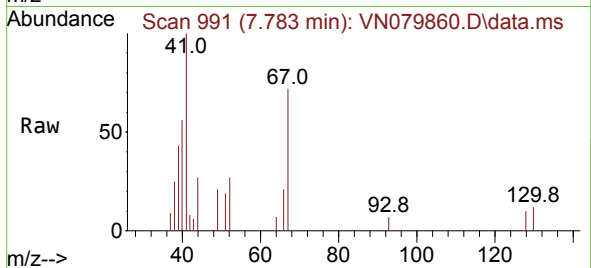




#41
Methacrylonitrile
Concen: 2.819 ug/l
RT: 7.783 min Scan# 991
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

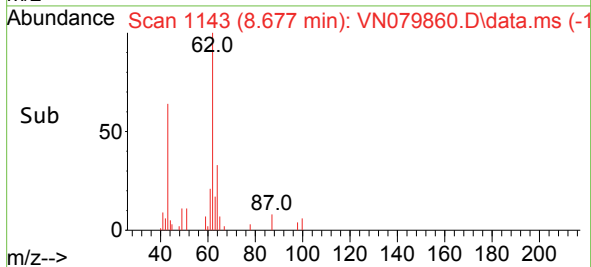
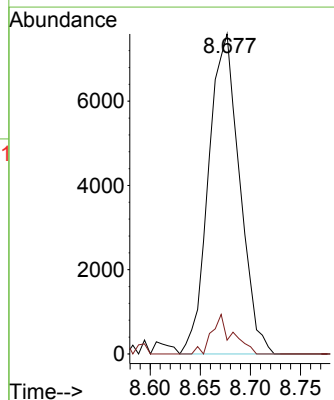
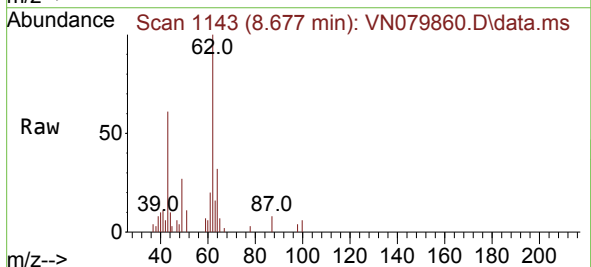
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

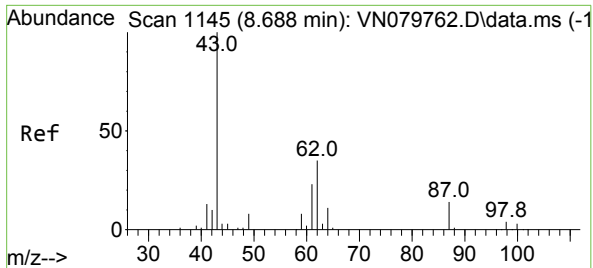
Tgt Ion:	41	Resp:	6608
Ion	Ratio	Lower	Upper
41	100		
39	45.7	42.6	64.0
67	65.7	77.5	116.3
52	30.2	28.9	43.3



#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

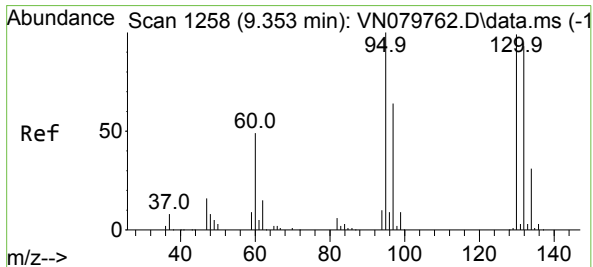
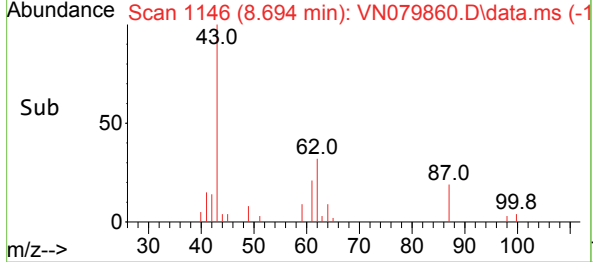
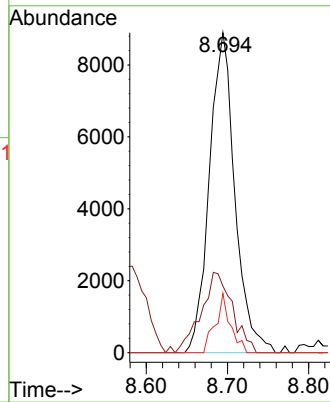
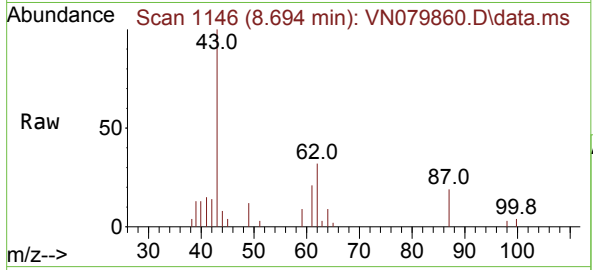




#43
Isopropyl Acetate
Concen: 2.513 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

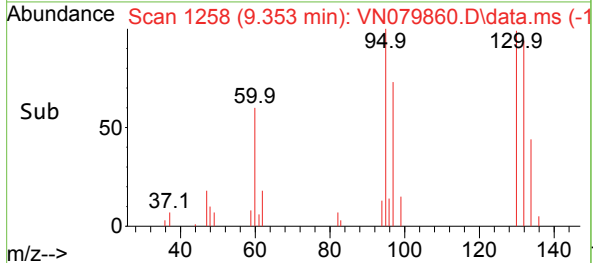
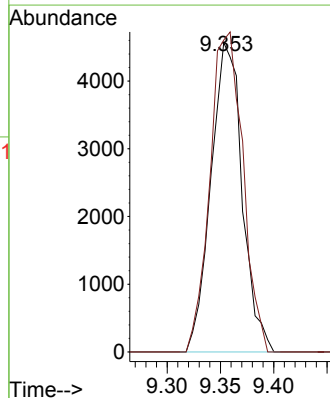
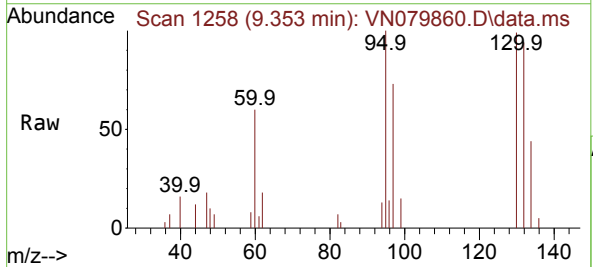
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023

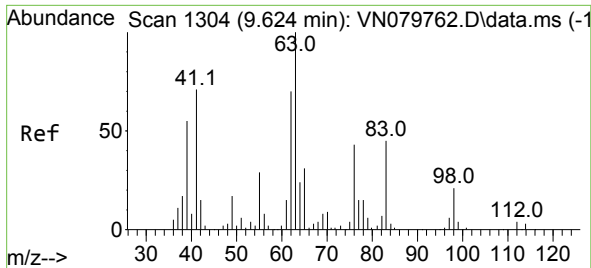
Tgt Ion: 43 Resp: 19452
Ion Ratio Lower Upper
43 100
61 30.6 24.7 37.1
87 10.8 14.6 21.8



#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

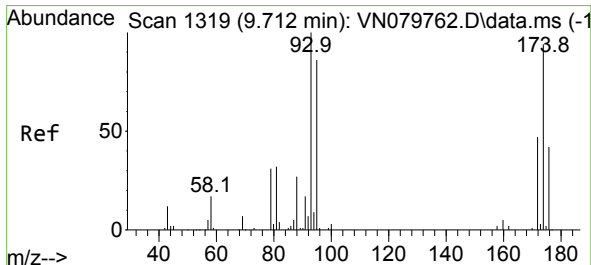
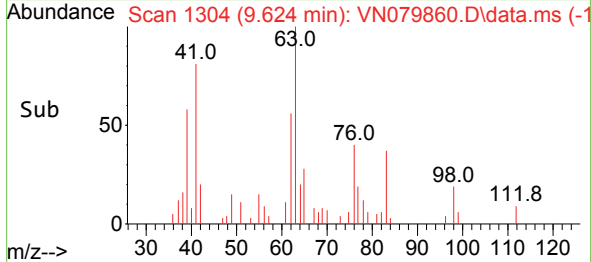
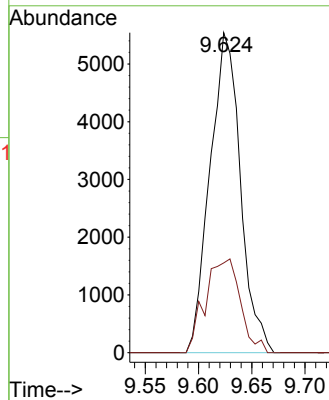
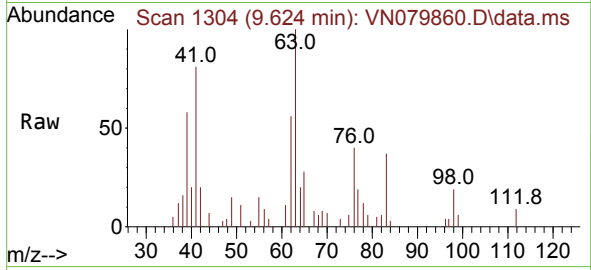




#45
1,2-Dichloropropane
Concen: 2.987 ug/l
RT: 9.624 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

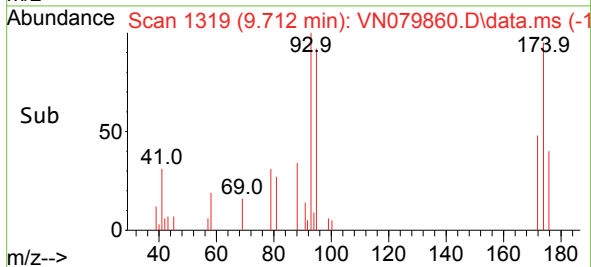
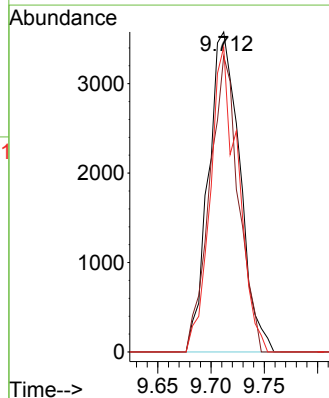
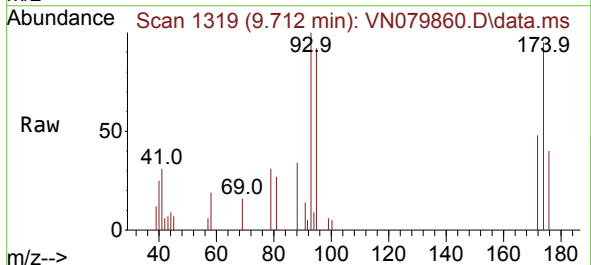
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 63 Resp: 11004
Ion Ratio Lower Upper
63 100
65 28.1 23.9 35.9



#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

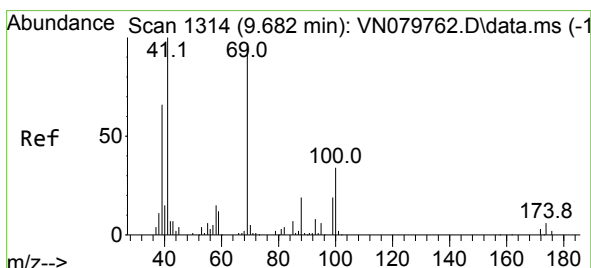
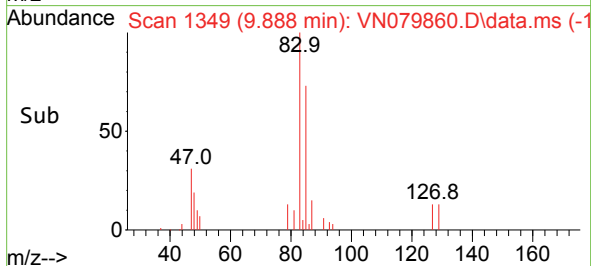
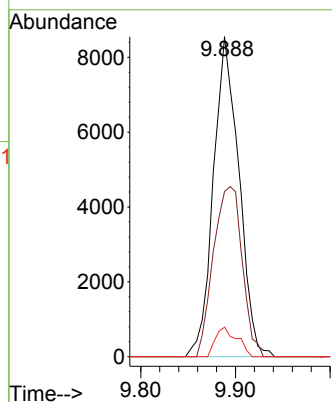
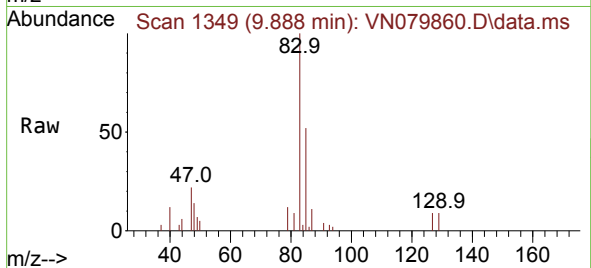
Tgt Ion: 83 Resp: 16007

Ion Ratio Lower Upper

83 100

85 51.6 49.6 74.4

127 9.2 7.0 10.6



#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

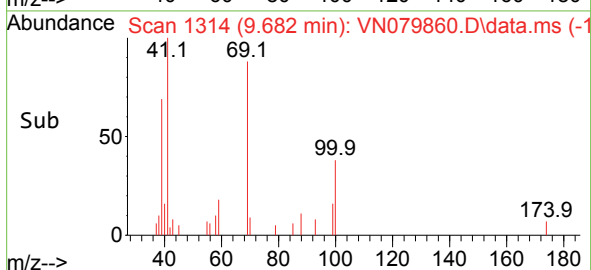
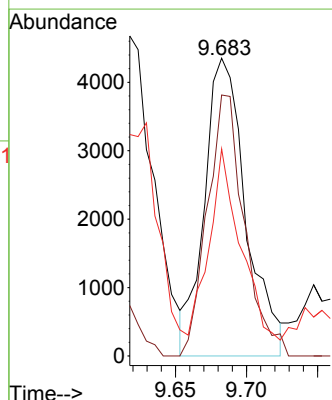
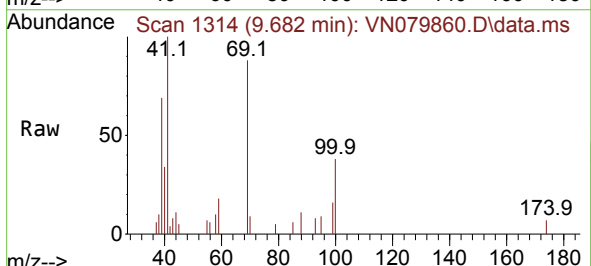
Tgt Ion: 41 Resp: 8849

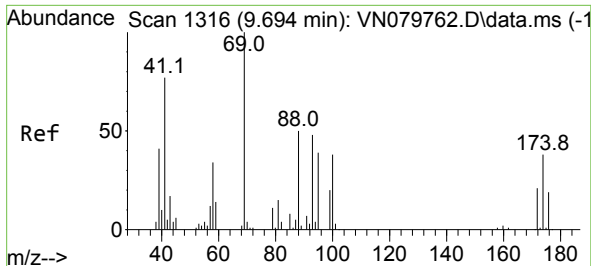
Ion Ratio Lower Upper

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

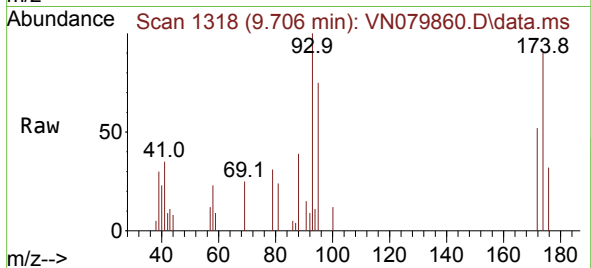
Acq: 03 Nov 2023 19:38

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2023



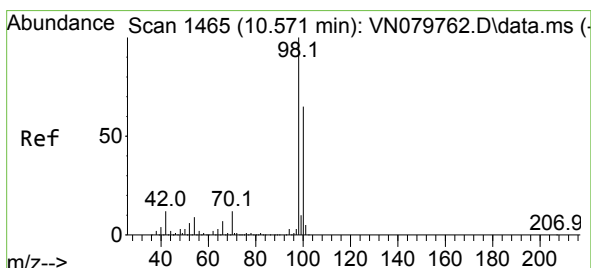
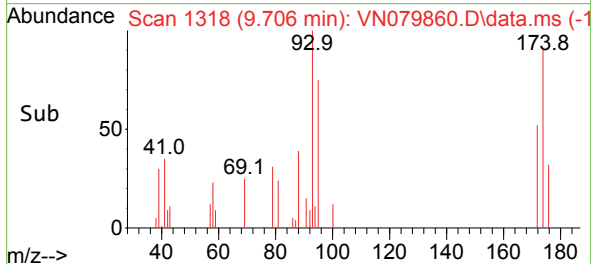
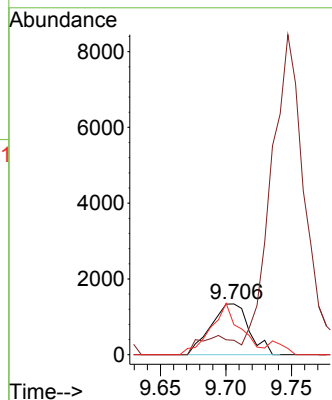
Tgt Ion: 88 Resp: 2712

Ion	Ratio	Lower	Upper
-----	-------	-------	-------

88	100		
----	-----	--	--

43	35.4	17.0	25.6#
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58	79.9	47.0	70.4#
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#50

Toluene-d8

Concen: 53.891 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN079860.D

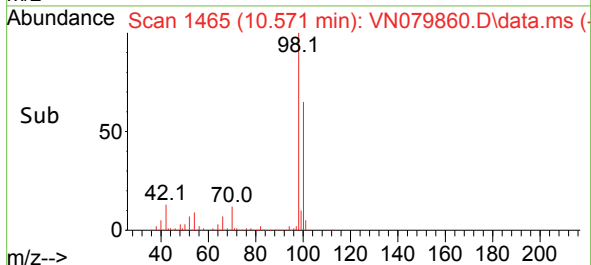
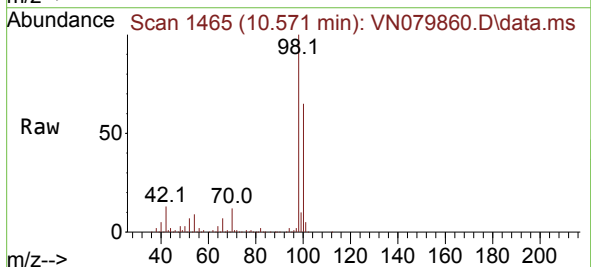
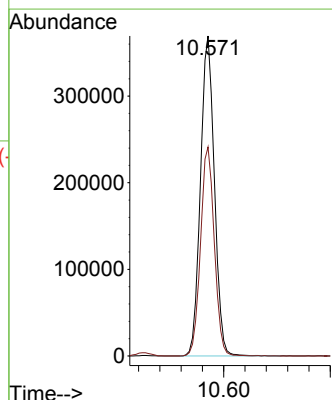
Acq: 03 Nov 2023 19:38

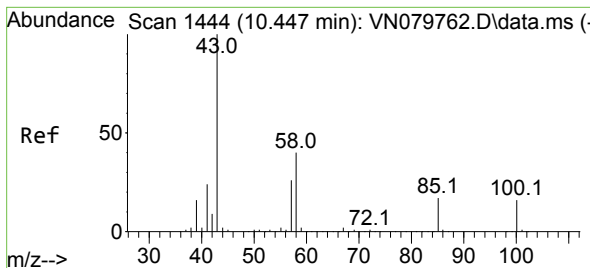
Tgt Ion: 98 Resp: 668814

Ion	Ratio	Lower	Upper
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98	100		
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100	64.6	52.0	78.0
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#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 :

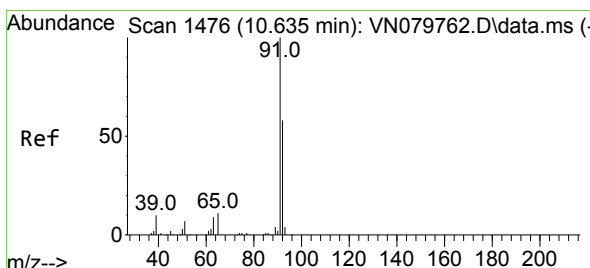
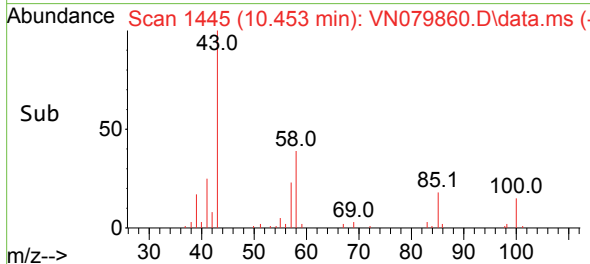
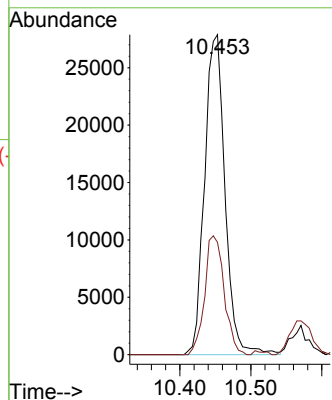
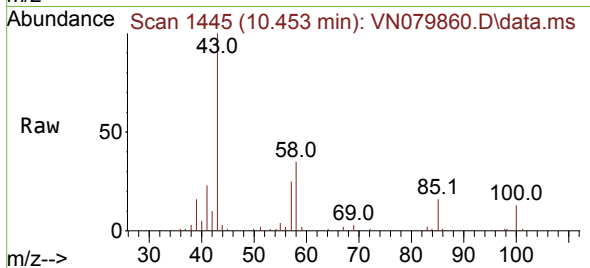
MDL-WATER-03-QT4-2023

Tgt Ion: 43 Resp: 55766

Ion Ratio Lower Upper

43 100

58 35.5 36.6 54.8#



#52

Toluene

Concen: 2.896 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VN079860.D

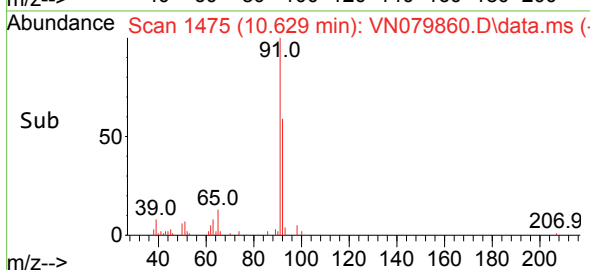
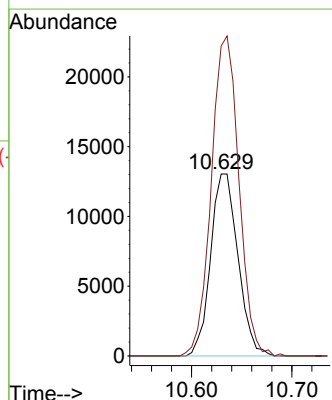
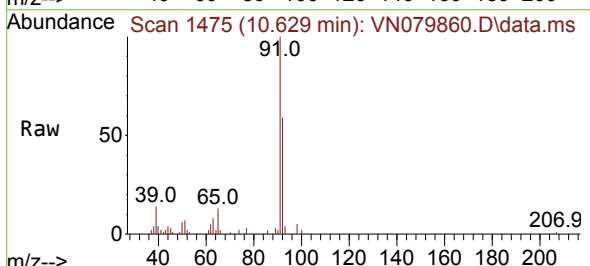
Acq: 03 Nov 2023 19:38

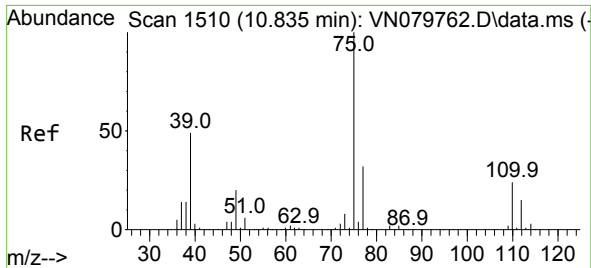
Tgt Ion: 92 Resp: 24755

Ion Ratio Lower Upper

92 100

91 177.1 137.4 206.0

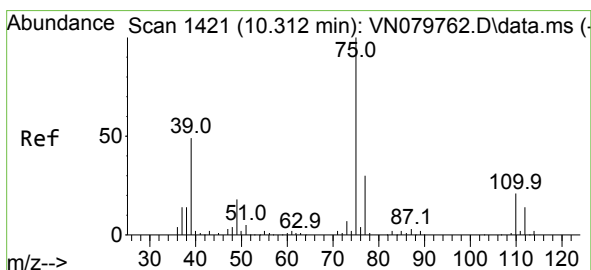
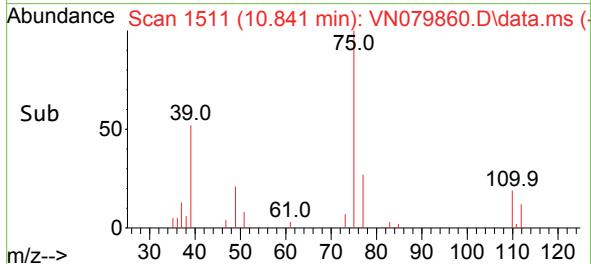
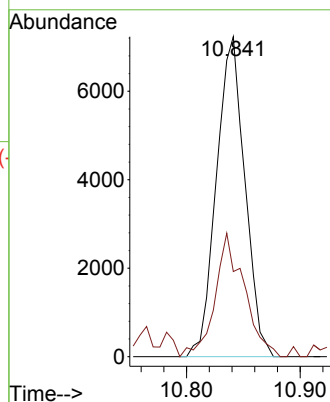
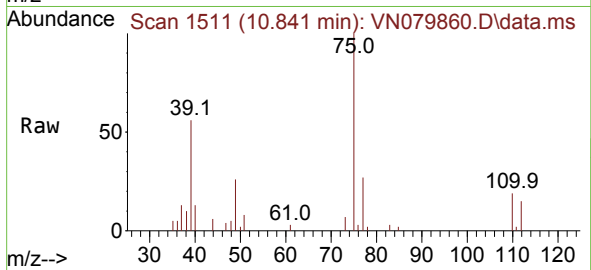




#53
 t-1,3-Dichloropropene
 Concen: 2.391 ug/l
 RT: 10.841 min Scan# 1511
 Delta R.T. 0.000 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

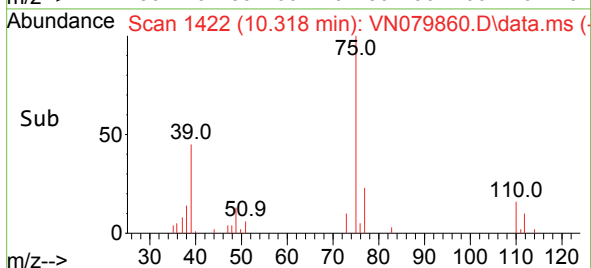
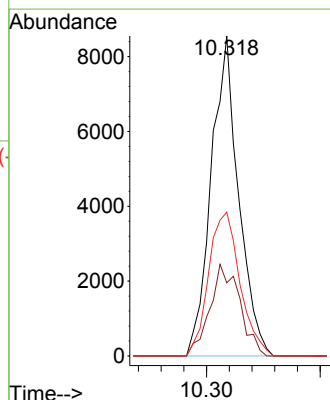
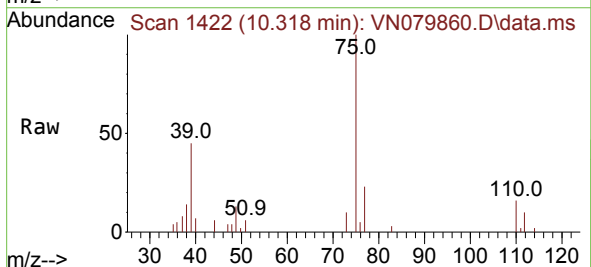
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023

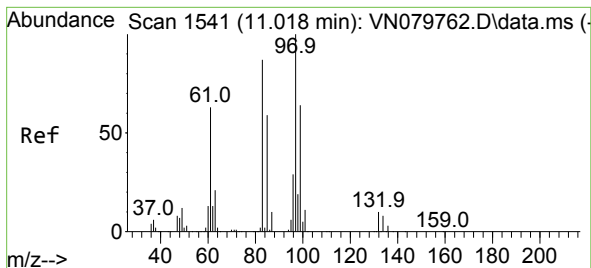
Tgt Ion: 75 Resp: 12575
 Ion Ratio Lower Upper
 75 100
 77 26.6 25.4 38.0



#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# 1

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: 97 Resp: 9712

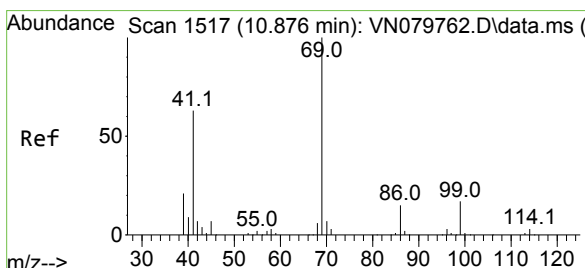
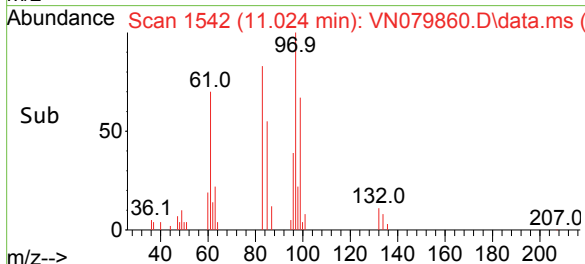
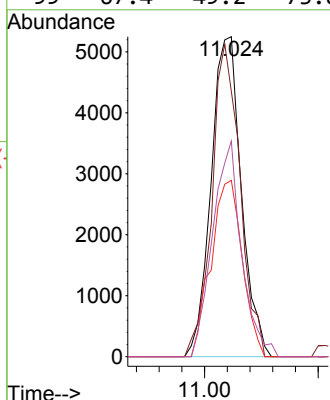
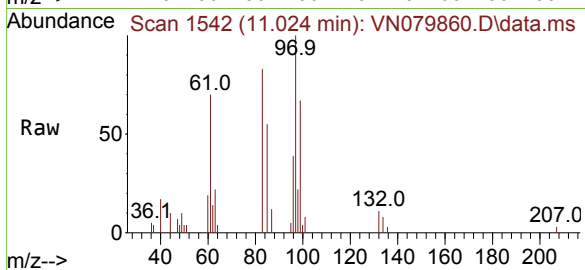
Ion Ratio Lower Upper

97 100

83 82.9 65.1 97.7

85 55.1 43.4 65.2

99 67.4 49.2 73.8



#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

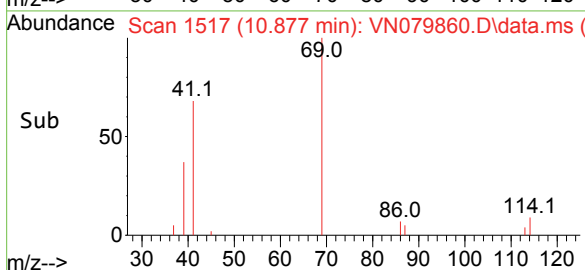
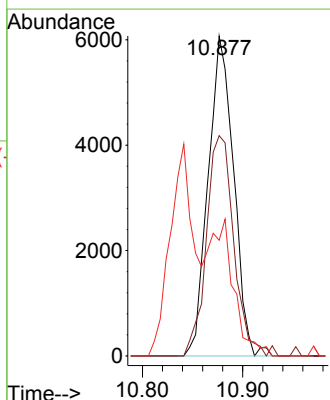
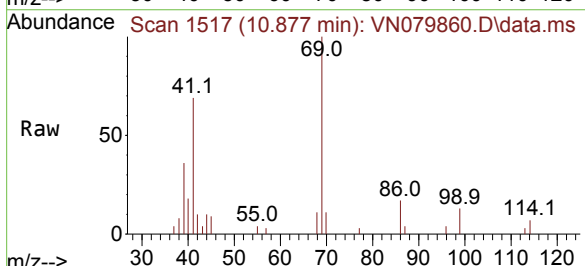
Tgt Ion: 69 Resp: 10715

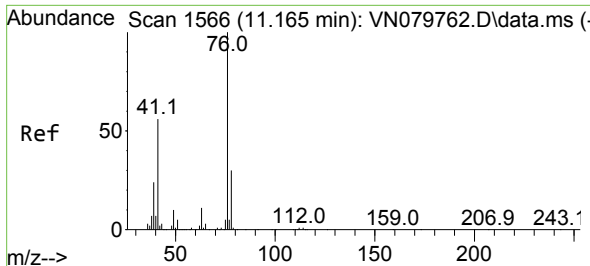
Ion Ratio Lower Upper

69 100

41 74.3 39.6 59.4#

39 42.4 28.6 43.0

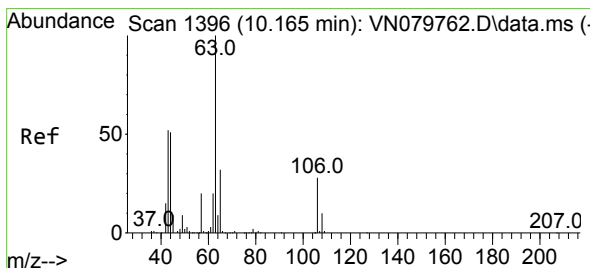
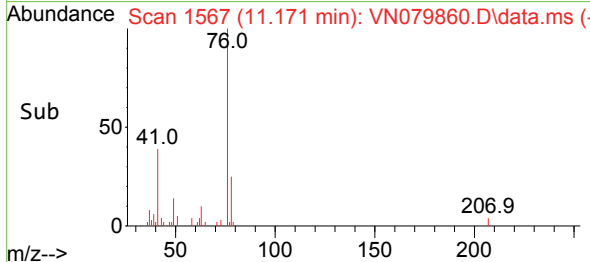
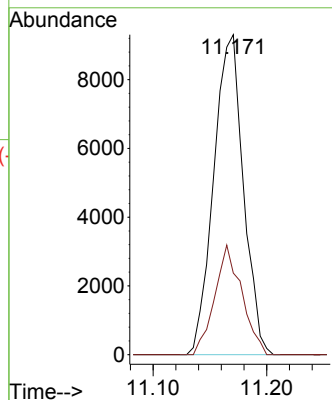
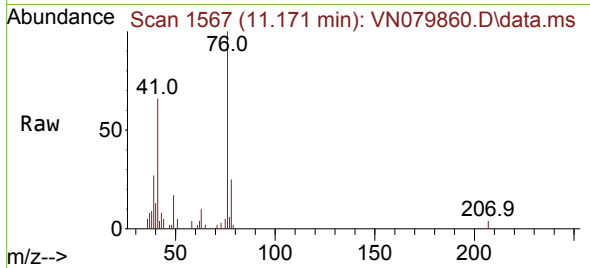




#57
1,3-Dichloropropane
Concen: 2.787 ug/l
RT: 11.171 min Scan# 1566
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

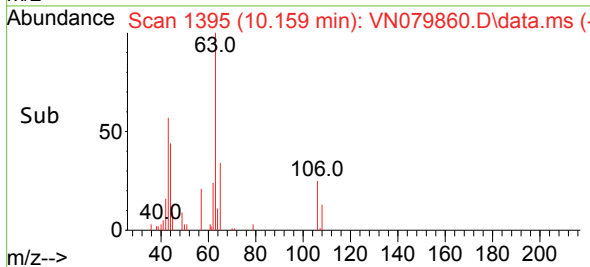
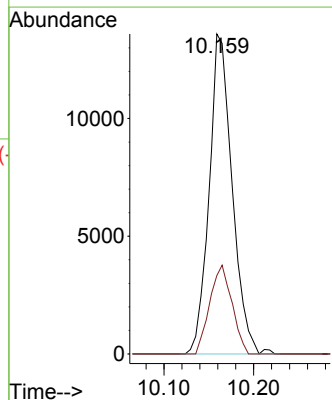
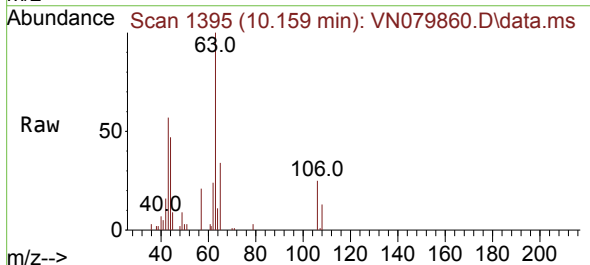
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023

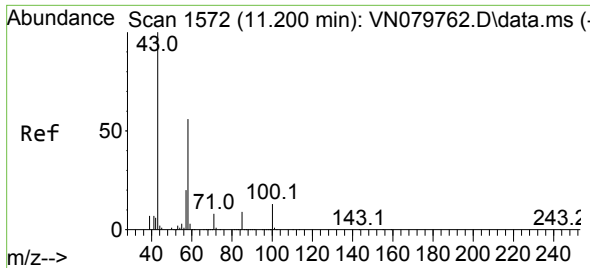
Tgt Ion: 76 Resp: 16886
Ion Ratio Lower Upper
76 100
78 31.3 26.1 39.1



#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

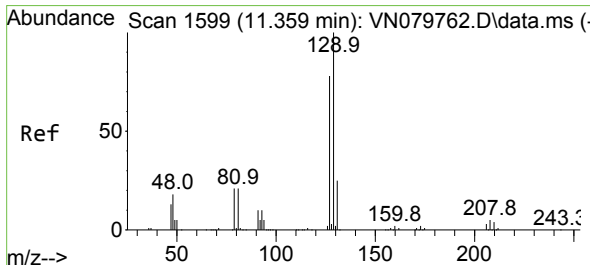
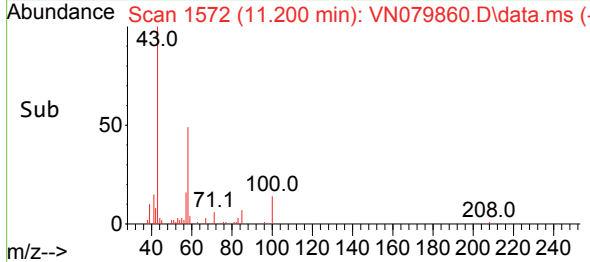
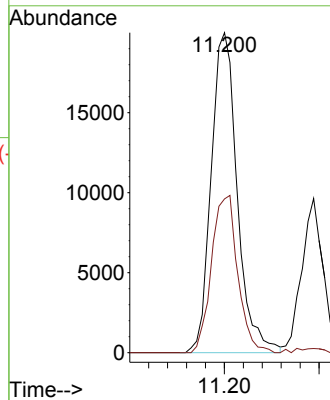
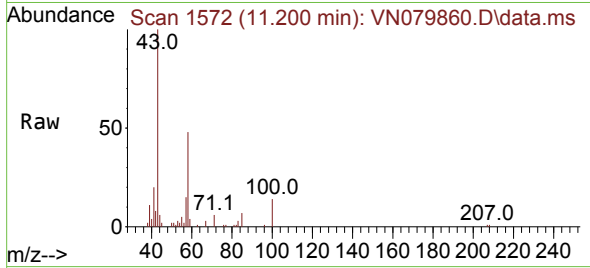




#59
2-Hexanone
Concen: 11.459 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

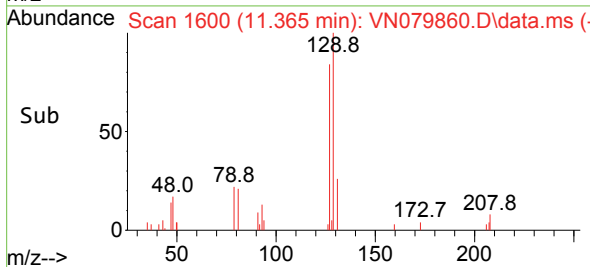
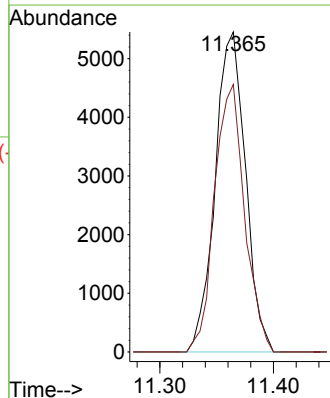
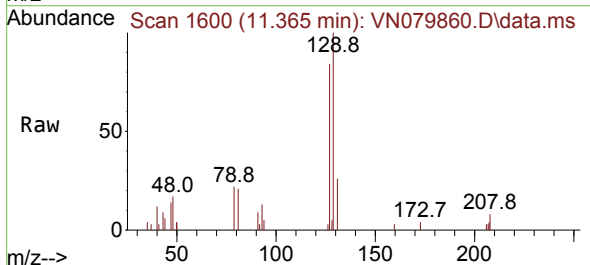
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

Tgt Ion: 43 Resp: 38207
Ion Ratio Lower Upper
43 100
58 49.5 31.7 95.1



#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

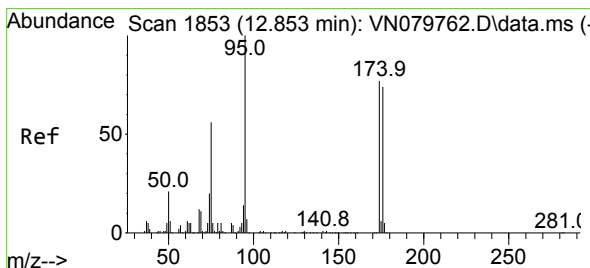
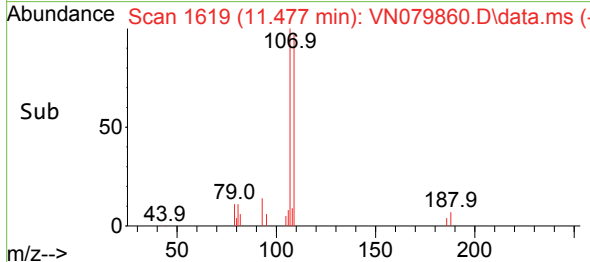
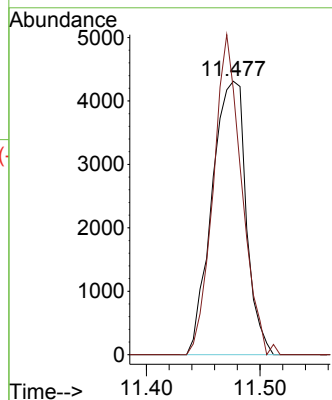
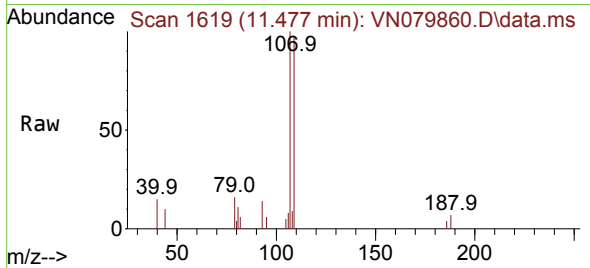




#61
1,2-Dibromoethane
Concen: 2.611 ug/l
RT: 11.477 min Scan# 1618
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

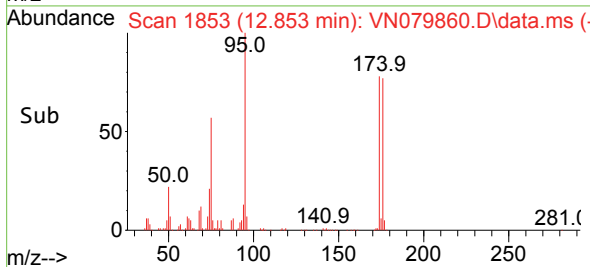
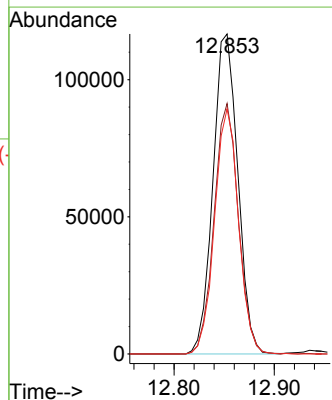
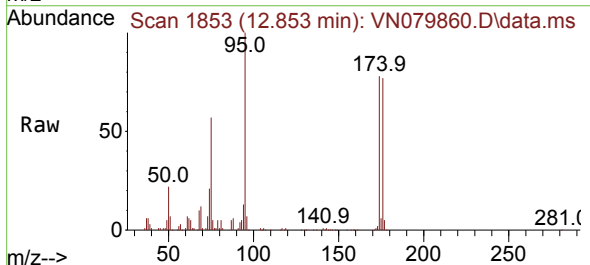
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

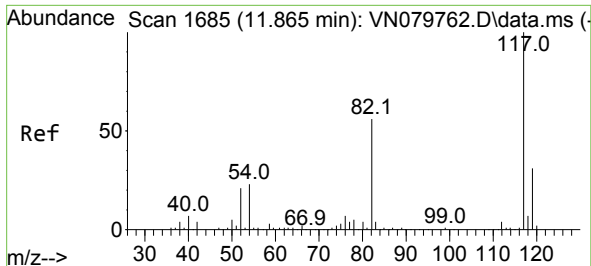
Tgt Ion:107 Resp: 9010
Ion Ratio Lower Upper
107 100
109 97.0 76.6 114.8



#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

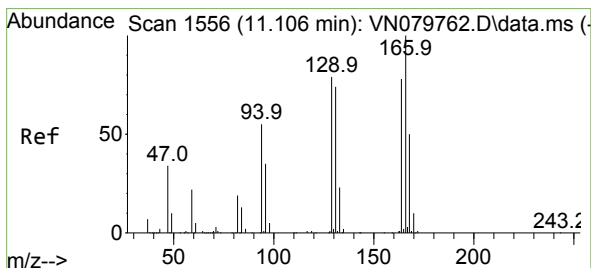
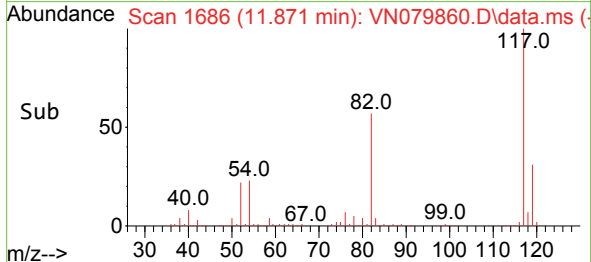
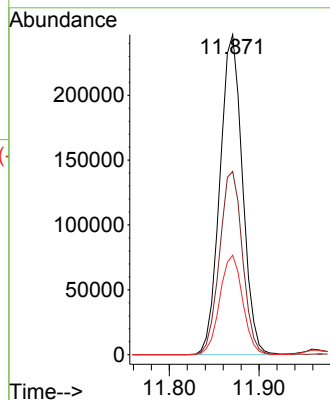
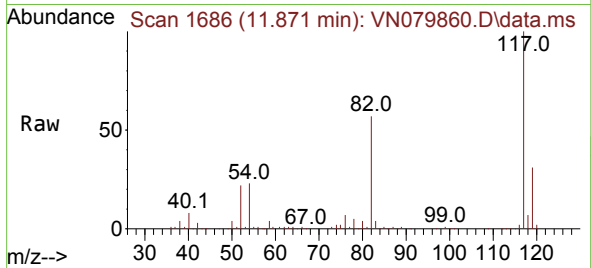




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

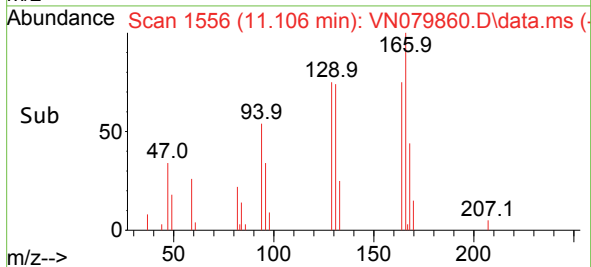
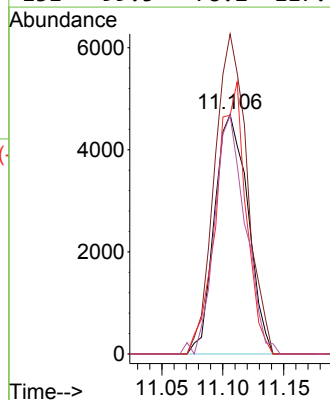
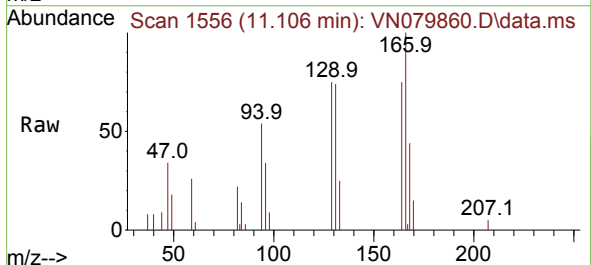
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

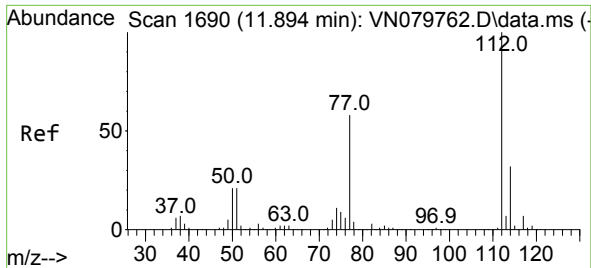
Tgt Ion:117 Resp: 430273
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 31.1 25.6 38.4



#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

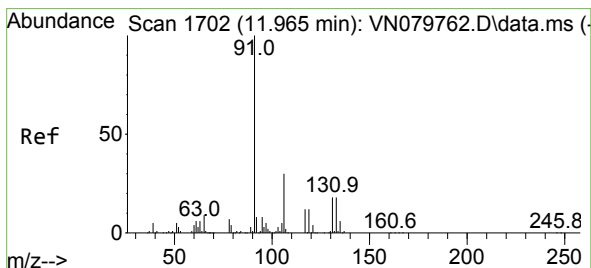
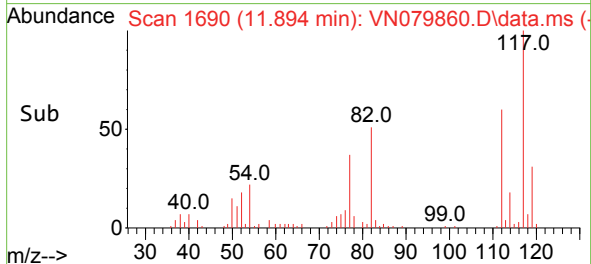
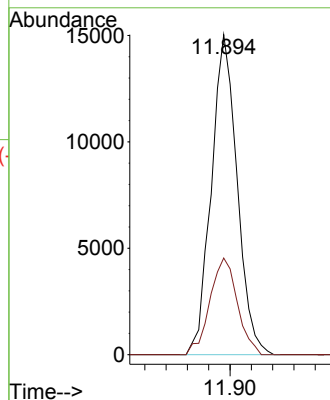
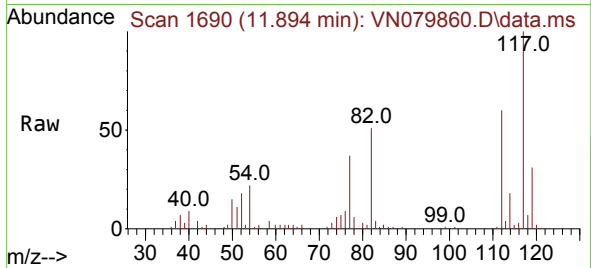




#65
Chlorobenzene
Concen: 2.705 ug/l
RT: 11.894 min Scan# 1112
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

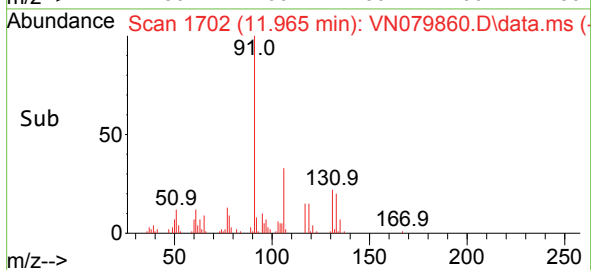
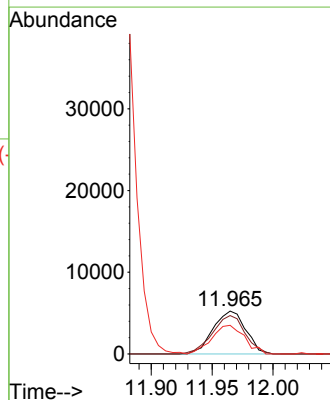
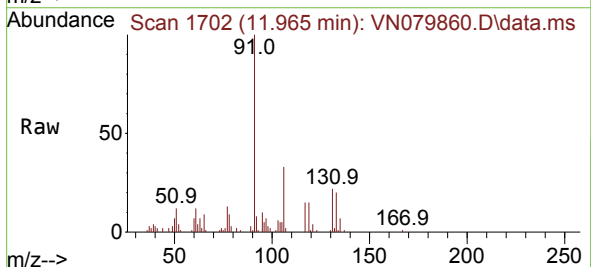
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

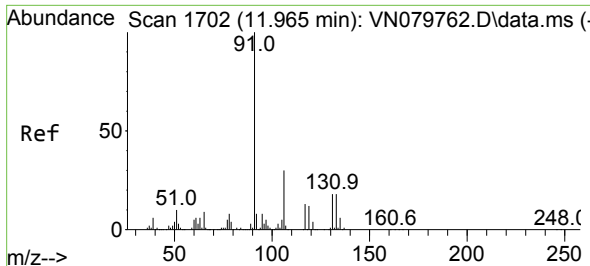
Tgt Ion:	112	Resp:	25245
Ion Ratio	Lower	Upper	
112	100		
114	30.2	25.0	37.4



#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

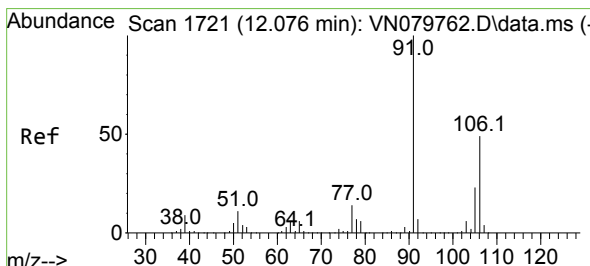
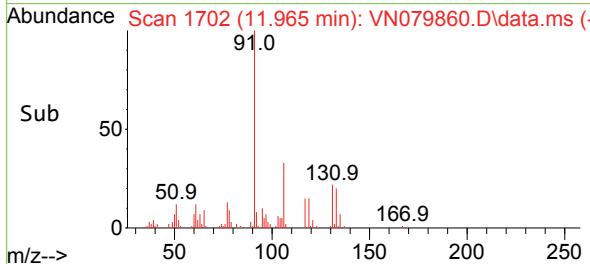
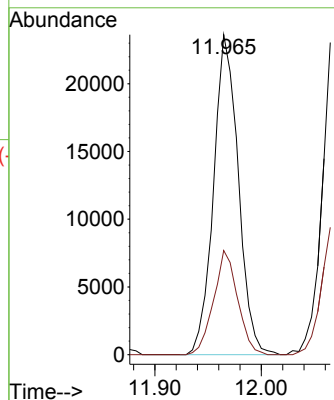
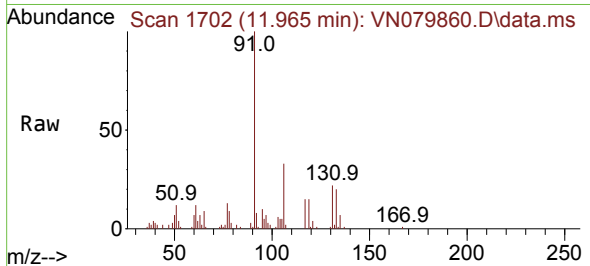




#67
Ethyl Benzene
Concen: 2.342 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

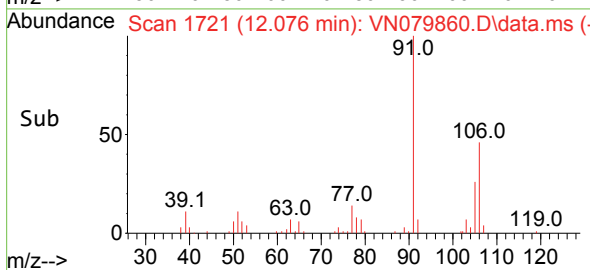
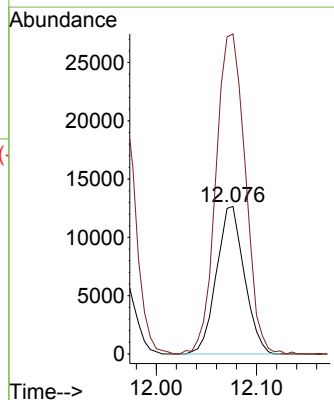
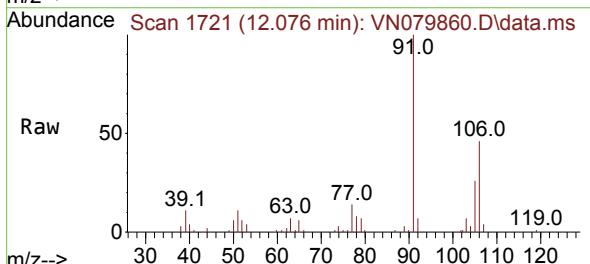
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

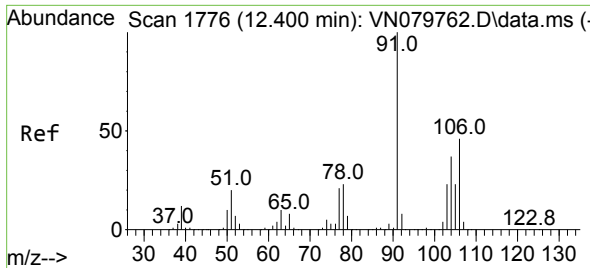
Tgt Ion: 91 Resp: 38087
Ion Ratio Lower Upper
91 100
106 32.5 25.6 38.4



#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

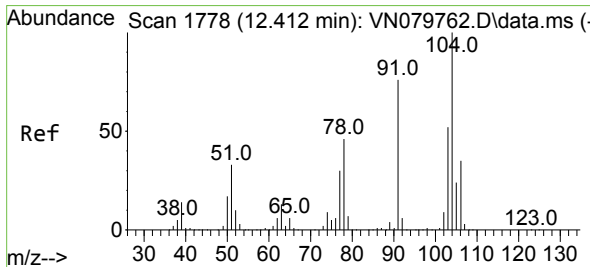
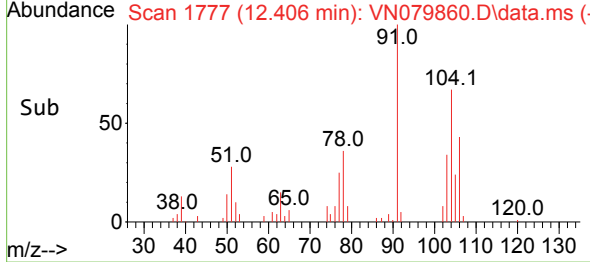
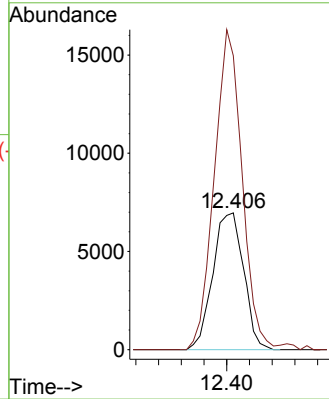
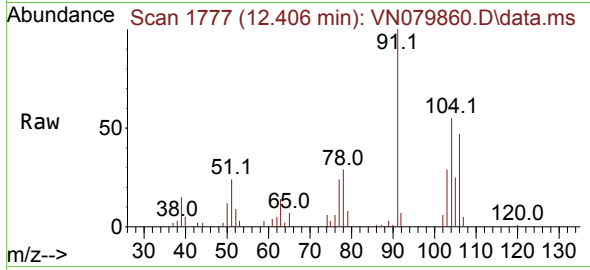




#69
o-Xylene
Concen: 2.249 ug/l
RT: 12.406 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

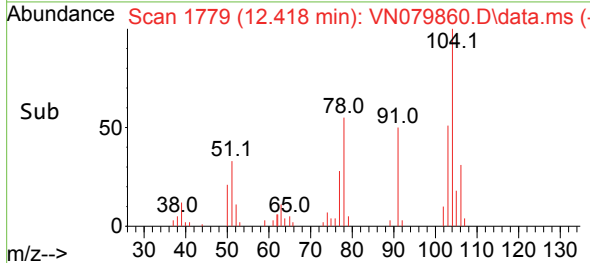
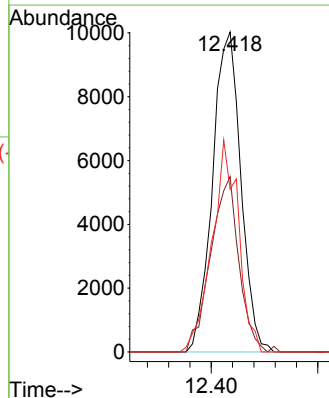
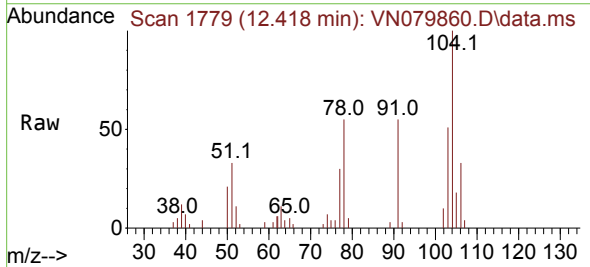
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

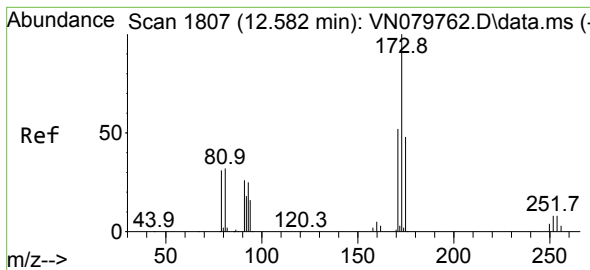
Tgt Ion:106 Resp: 13117
Ion Ratio Lower Upper
106 100
91 213.1 105.2 315.5



#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# 1806

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

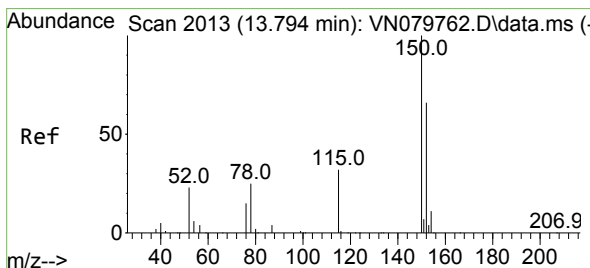
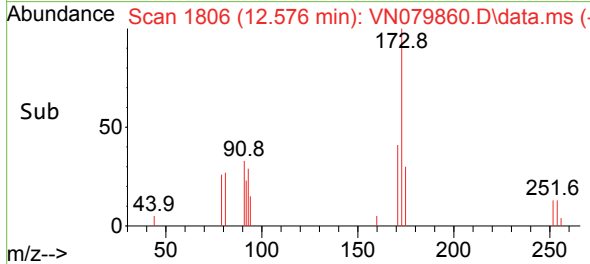
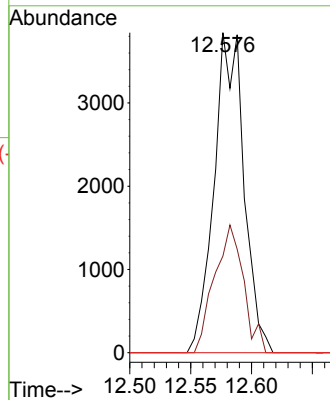
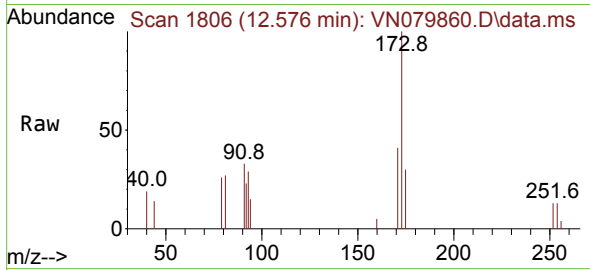
Tgt Ion:173 Resp: 6551

Ion Ratio Lower Upper

173 100

175 38.8 24.3 73.0

254 0.0 0.0 0.0



#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

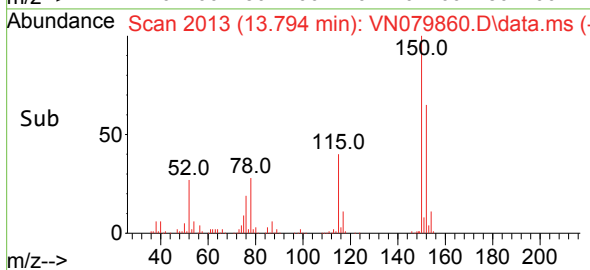
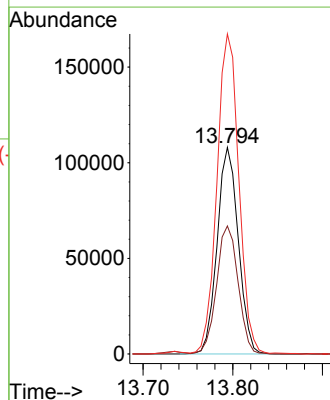
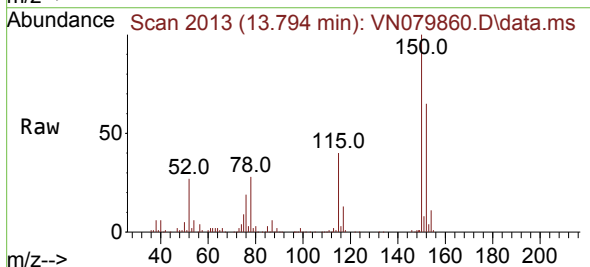
Tgt Ion:152 Resp: 176578

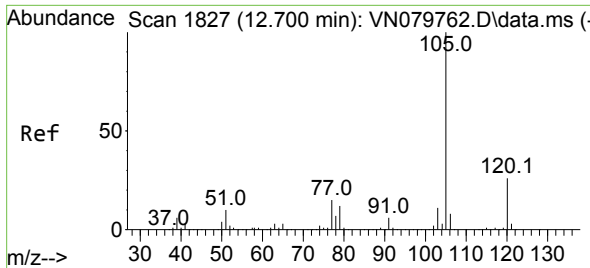
Ion Ratio Lower Upper

152 100

115 63.2 32.3 96.8

150 160.5 0.0 355.8

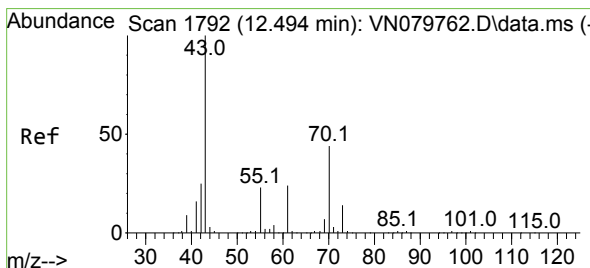
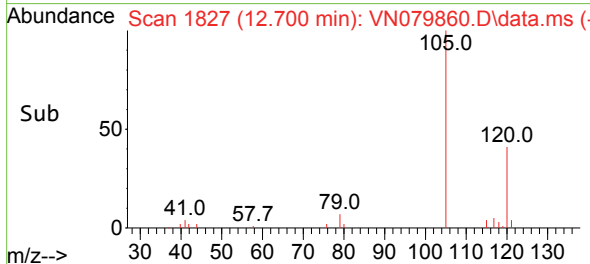
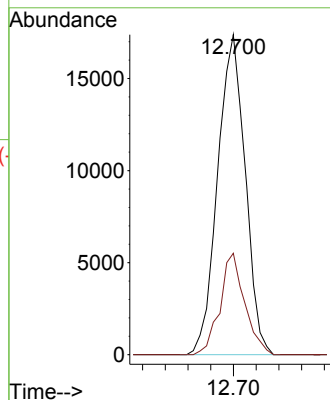
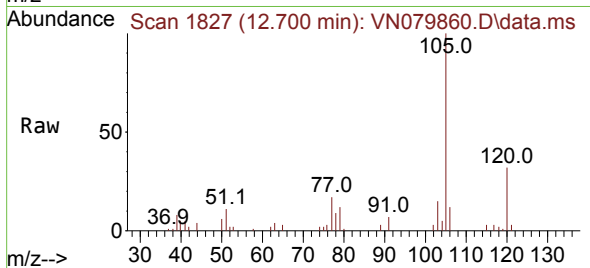




#73
Isopropylbenzene
Concen: 2.186 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

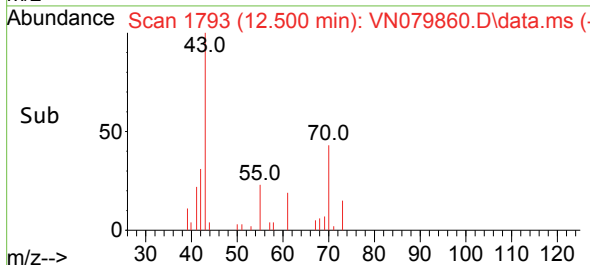
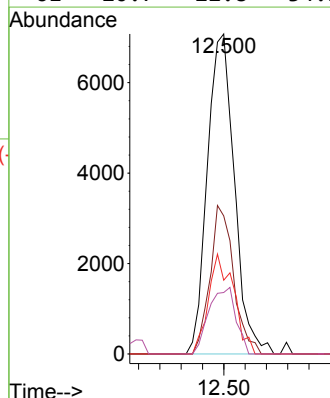
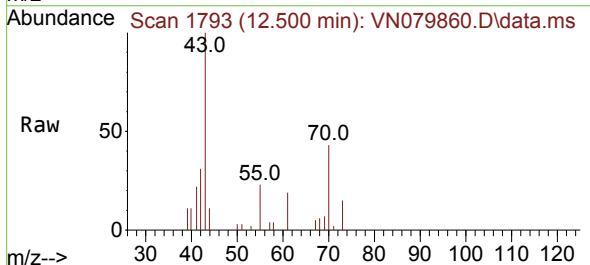
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

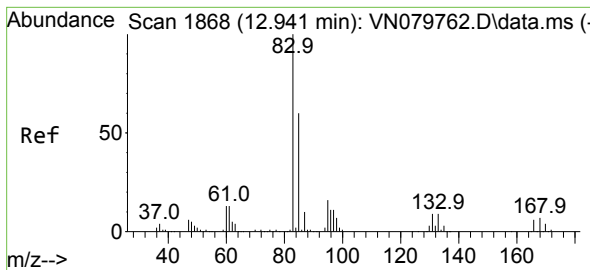
Tgt Ion:105 Resp: 29299
Ion Ratio Lower Upper
105 100
120 28.4 13.1 39.1



#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

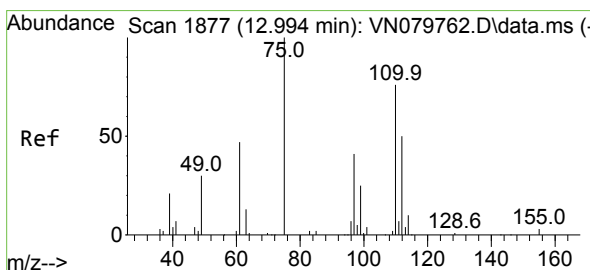
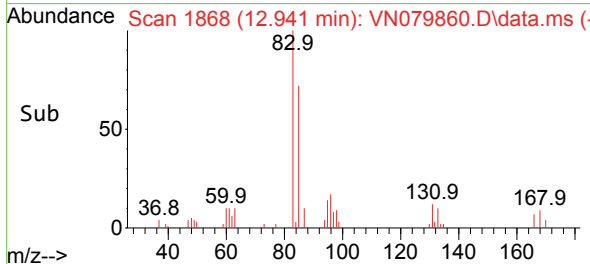
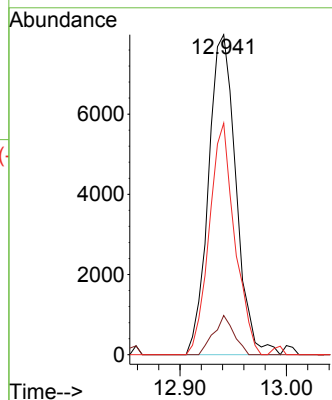
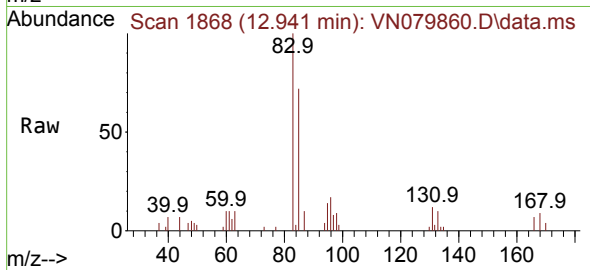
Tgt Ion: 83 Resp: 14312

Ion Ratio Lower Upper

83 100

131 9.0 5.0 15.0

85 66.9 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 4.086 ug/l

RT: 13.000 min Scan# 1878

Delta R.T. 0.006 min

Lab File: VN079860.D

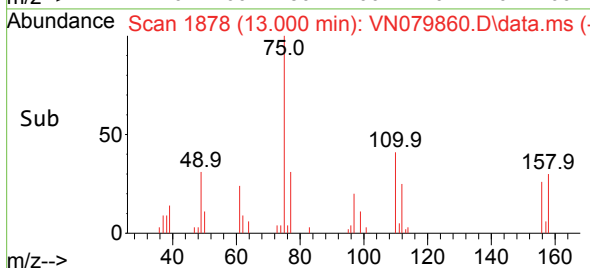
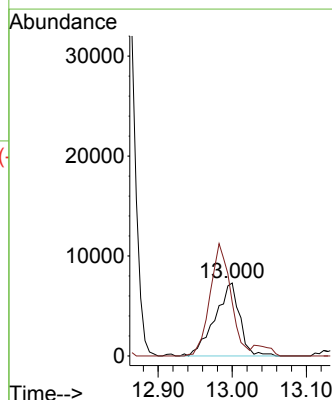
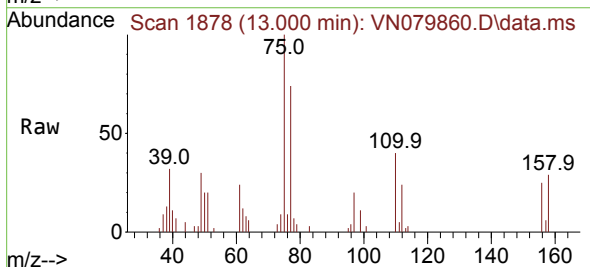
Acq: 03 Nov 2023 19:38

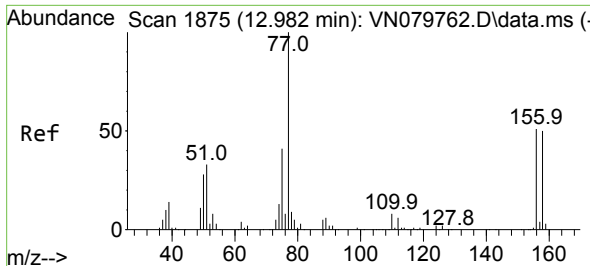
Tgt Ion: 75 Resp: 16937

Ion Ratio Lower Upper

75 100

77 130.2 84.5 253.5

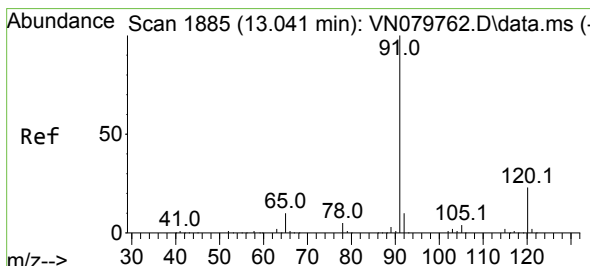
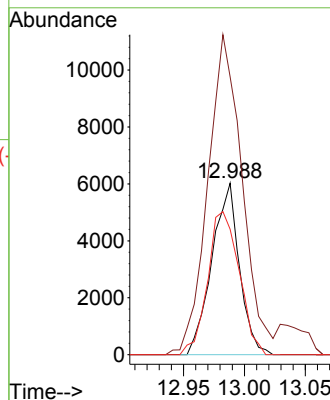
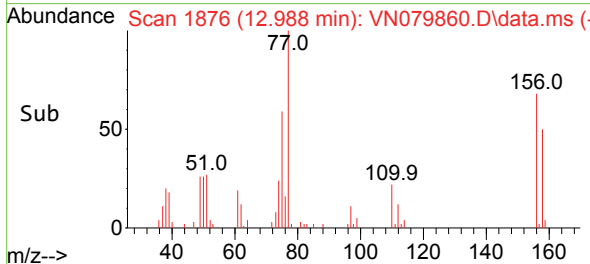
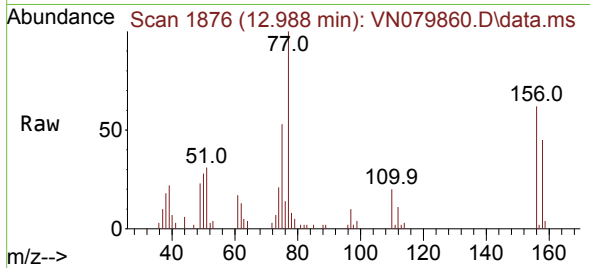




#77
Bromobenzene
Concen: 2.877 ug/l
RT: 12.988 min Scan# 1876
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

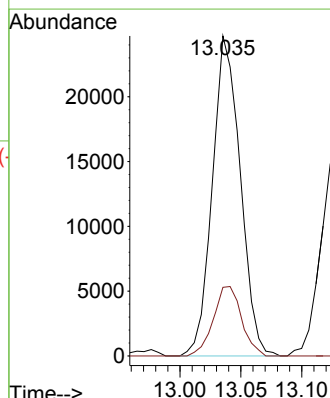
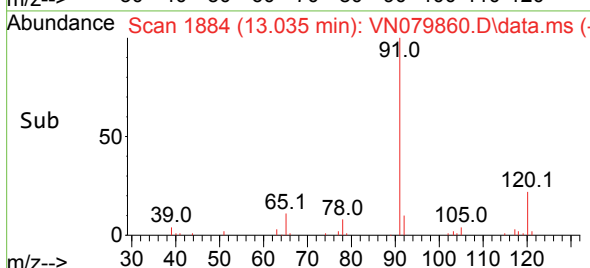
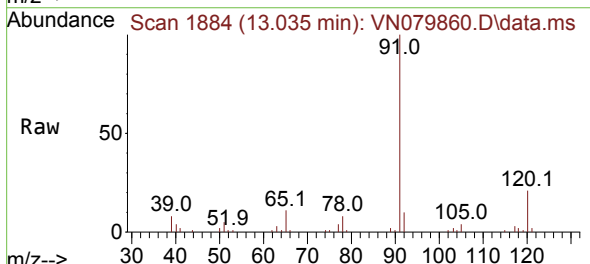
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

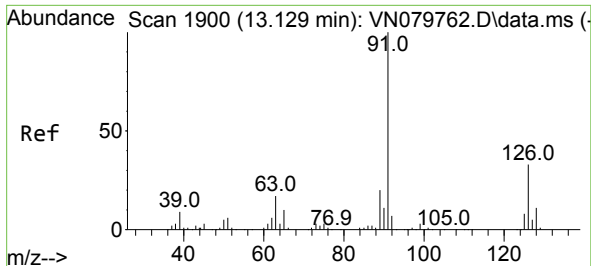
Tgt Ion:156 Resp: 9439
Ion Ratio Lower Upper
156 100
77 233.6 107.7 323.3
158 95.9 48.4 145.3



#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

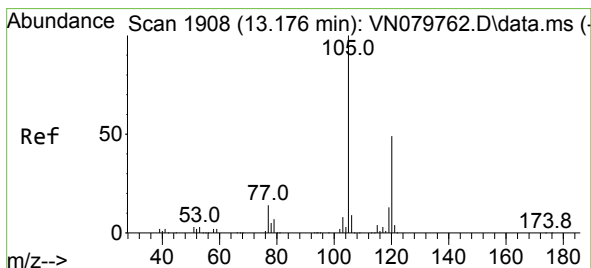
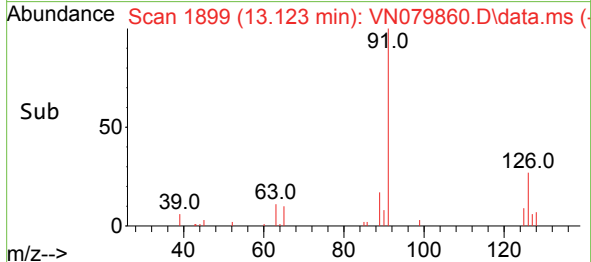
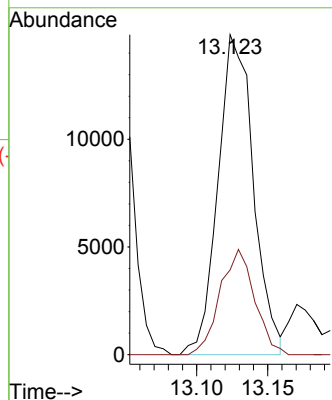
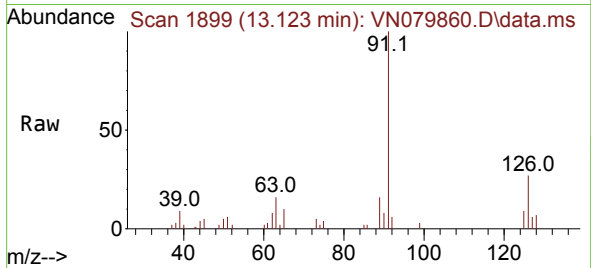




#79
2-Chlorotoluene
Concen: 2.631 ug/l
RT: 13.123 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

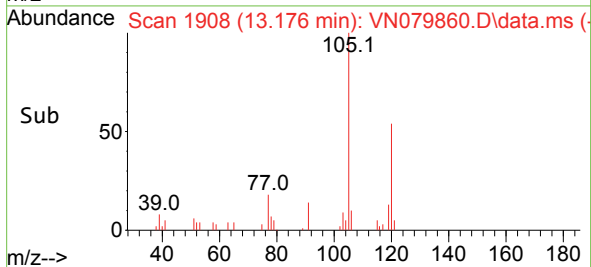
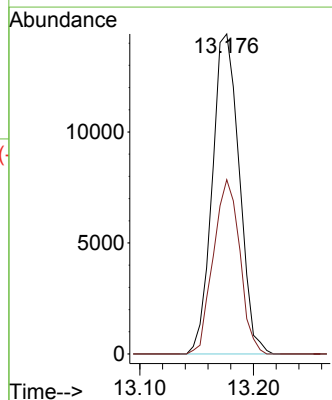
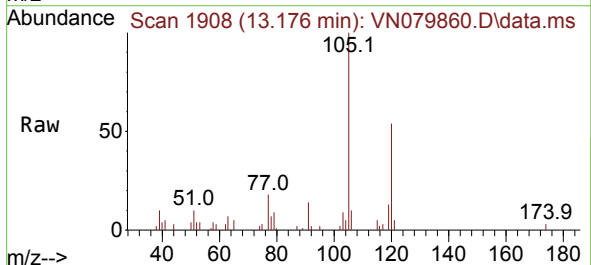
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

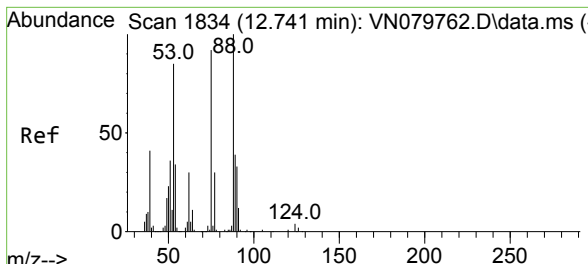
Tgt Ion: 91 Resp: 25798
Ion Ratio Lower Upper
91 100
126 32.1 16.3 48.8



#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

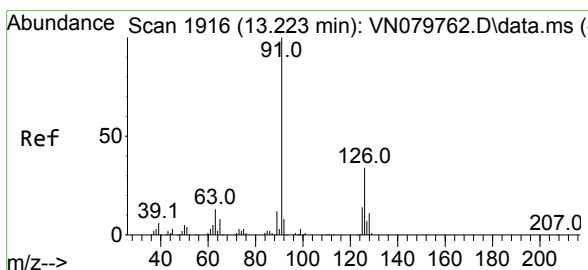
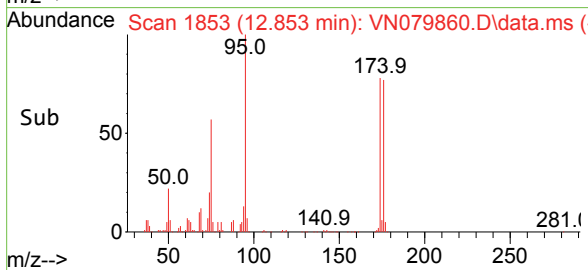
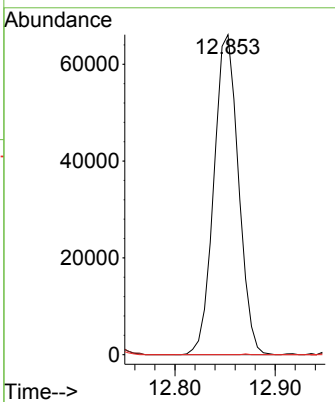
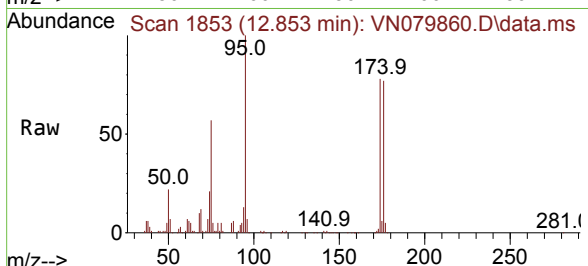




#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.996 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

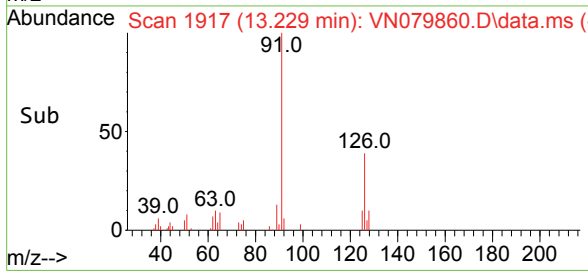
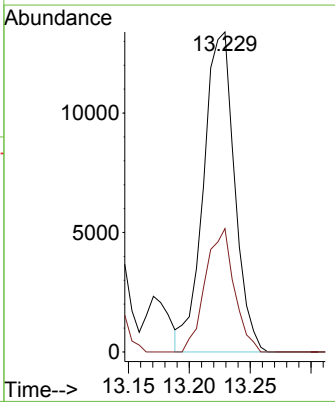
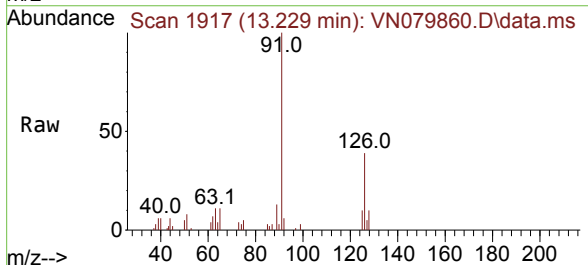
Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT4-2023

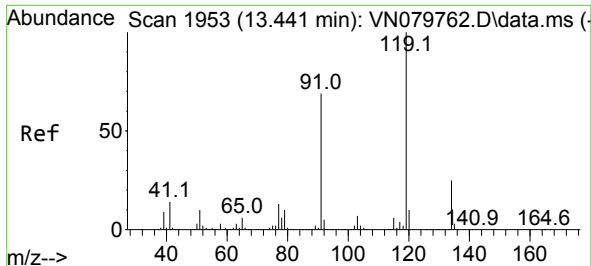
Tgt Ion:	75	Resp:	112745
Ion Ratio	Lower	Upper	
75	100		
53	0.0	67.4	101.2#
89	0.1	38.8	58.2#



#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

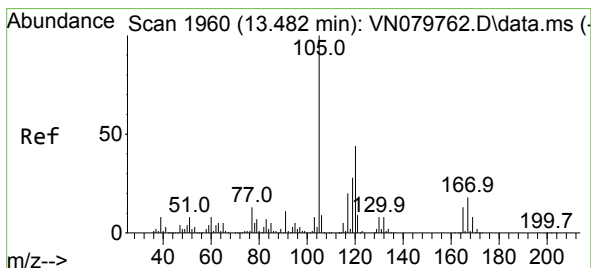
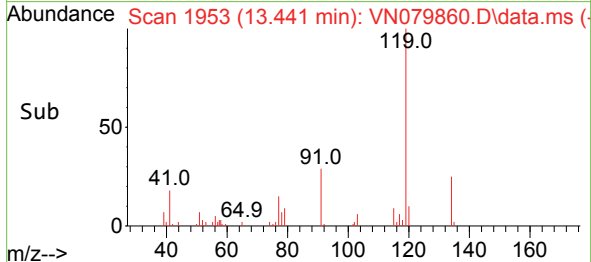
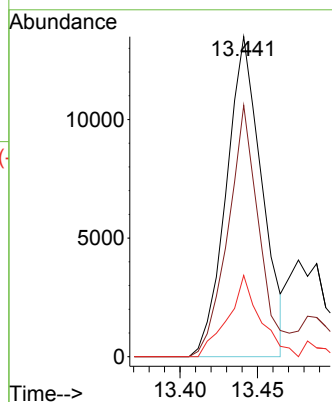
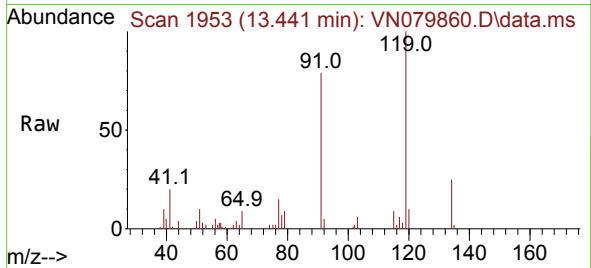




#83
tert-Butylbenzene
Concen: 2.521 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

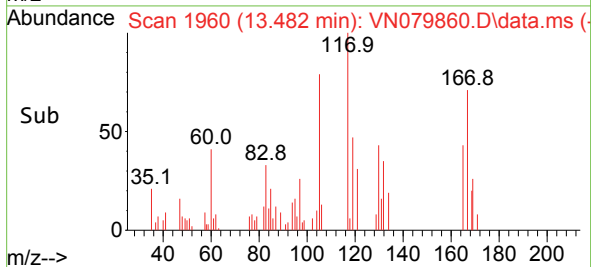
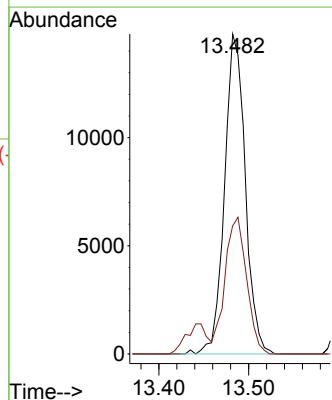
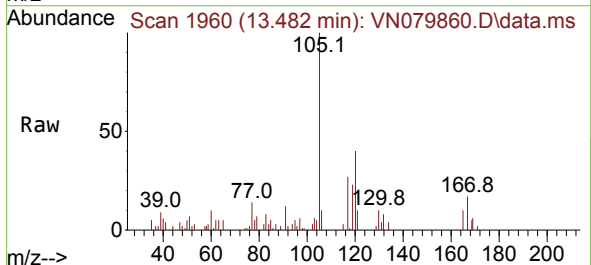
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2023

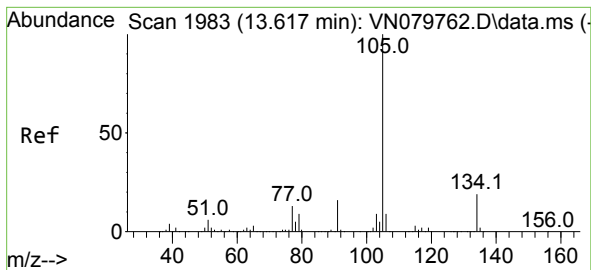
Tgt Ion:119 Resp: 21515
Ion Ratio Lower Upper
119 100
91 69.2 33.9 101.7
134 23.1 13.2 39.6



#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 :

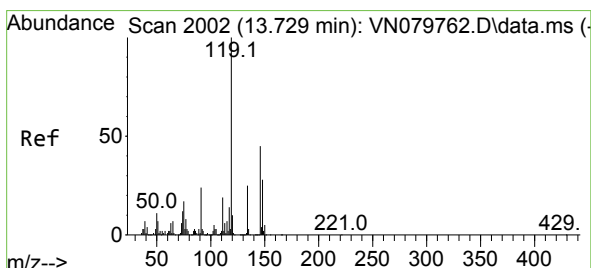
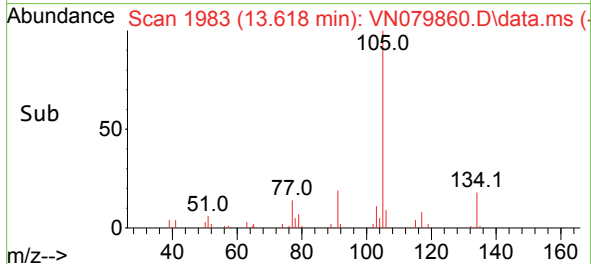
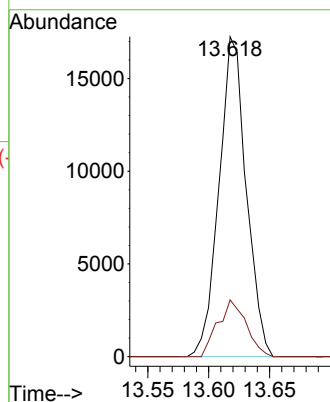
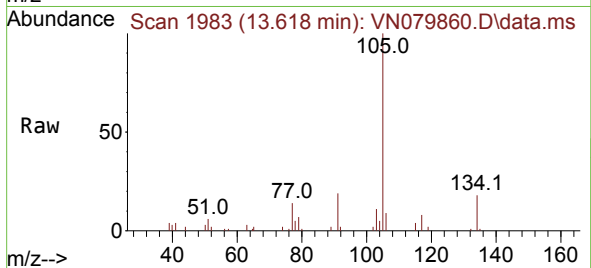
MDL-WATER-03-QT4-2023

Tgt Ion:105 Resp: 26831

Ion Ratio Lower Upper

105 100

134 18.4 9.8 29.3



#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

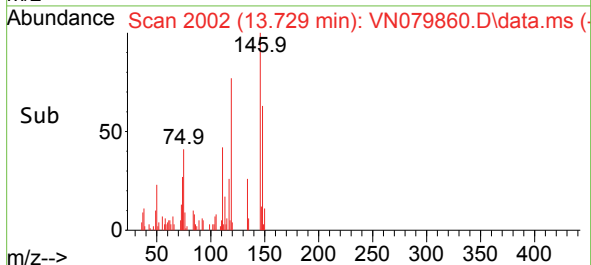
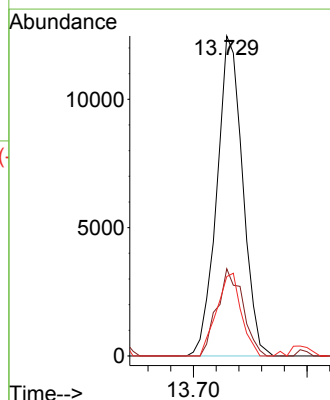
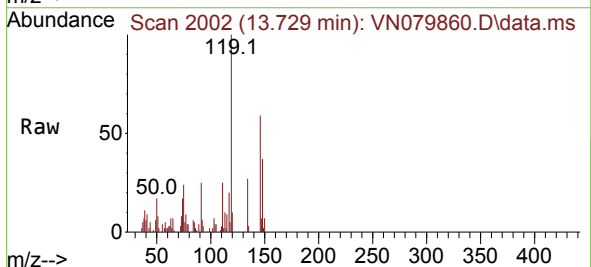
Tgt Ion:119 Resp: 19638

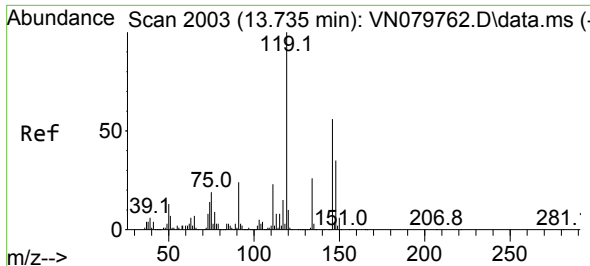
Ion Ratio Lower Upper

119 100

134 27.2 12.6 37.8

91 24.7 12.4 37.2

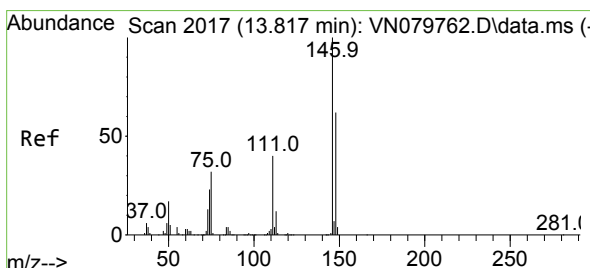
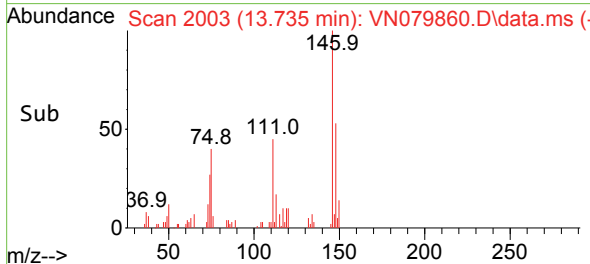
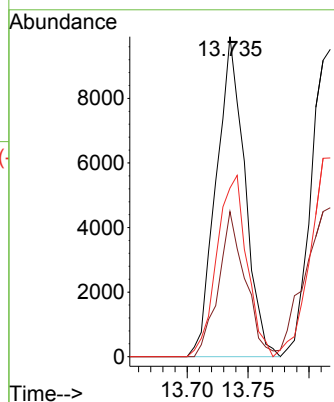
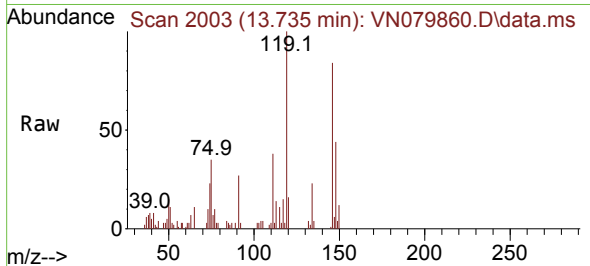




#87
 1,3-Dichlorobenzene
 Concen: 2.648 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN079860.D
 Acq: 03 Nov 2023 19:38

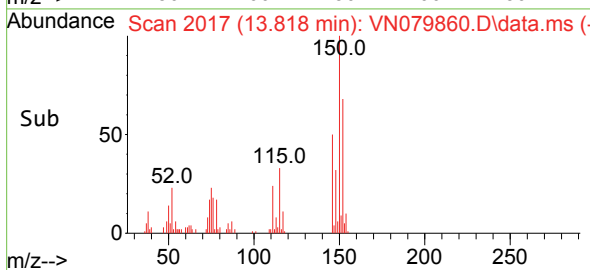
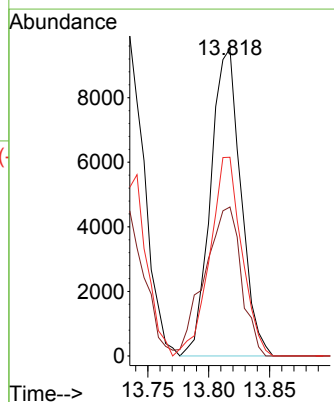
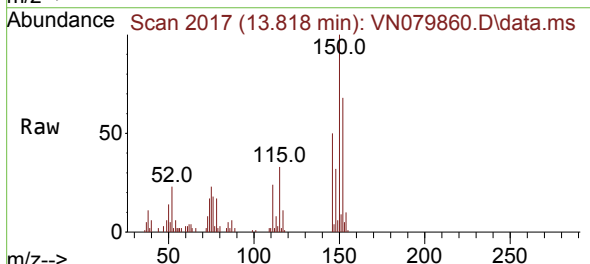
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2023

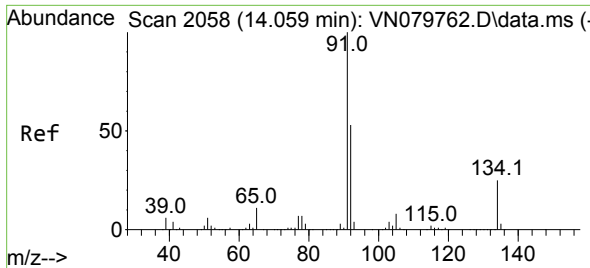
Tgt Ion:146 Resp: 16162
 Ion Ratio Lower Upper
 146 100
 111 42.5 22.1 66.3
 148 59.6 32.0 96.0



#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

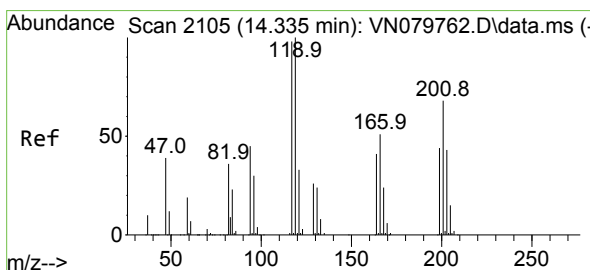
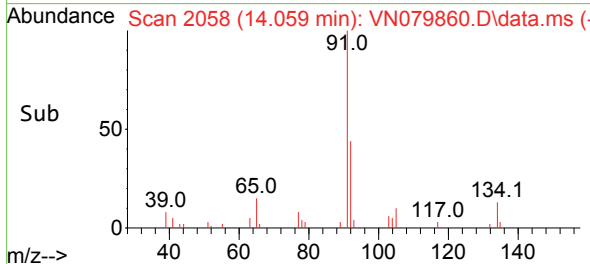
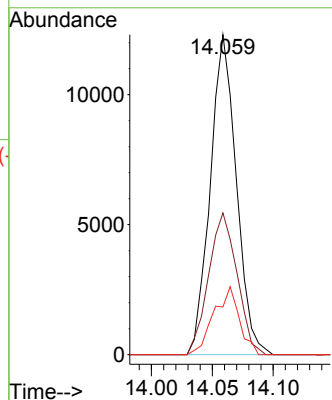
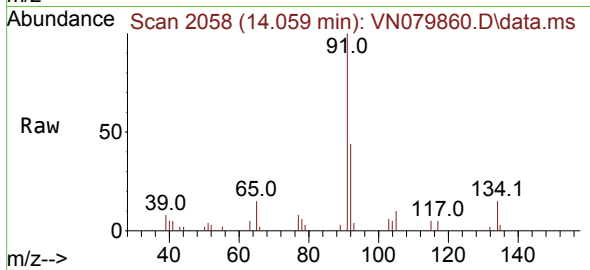




#89
n-Butylbenzene
Concen: 2.207 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

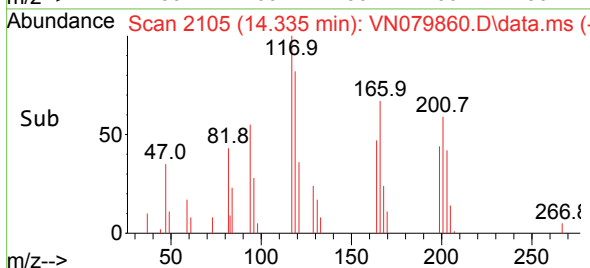
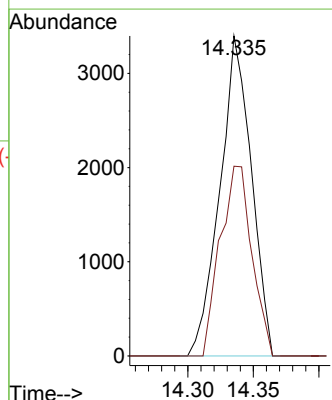
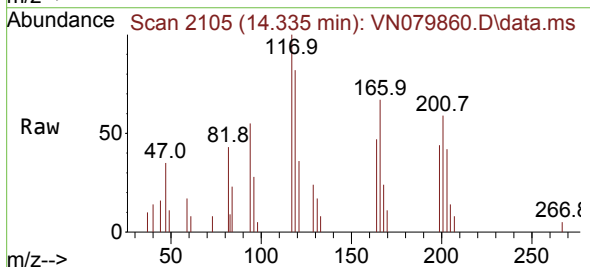
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

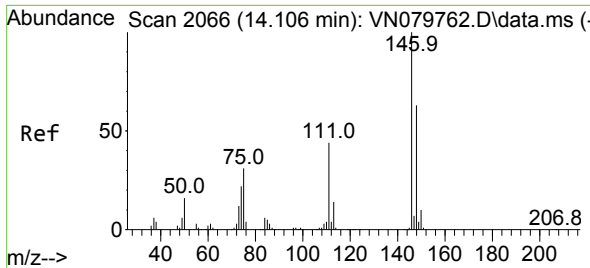
Tgt Ion: 91	Resp:	18328
Ion	Ratio	Lower Upper
91	100	
92	48.3	26.4 79.0
134	20.8	12.6 37.6



#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

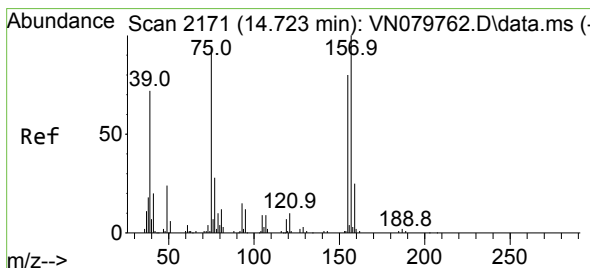
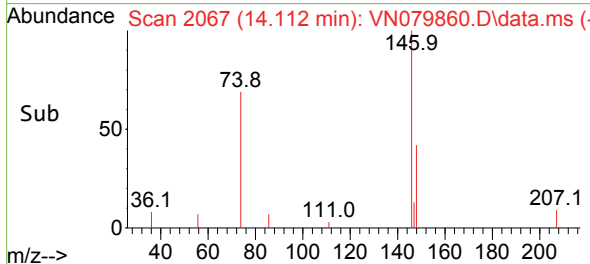
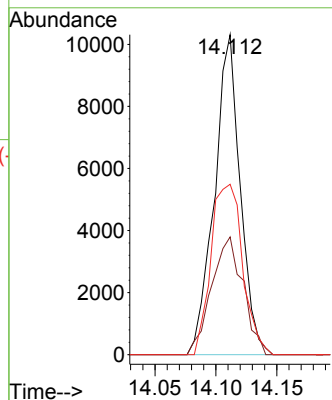
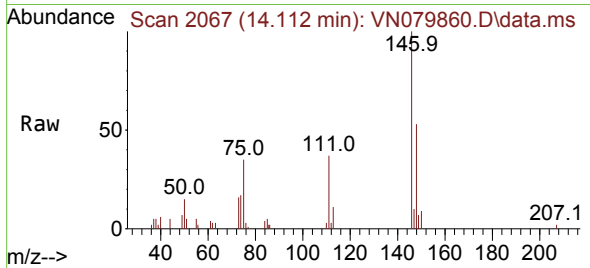




#91
1,2-Dichlorobenzene
Concen: 2.634 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

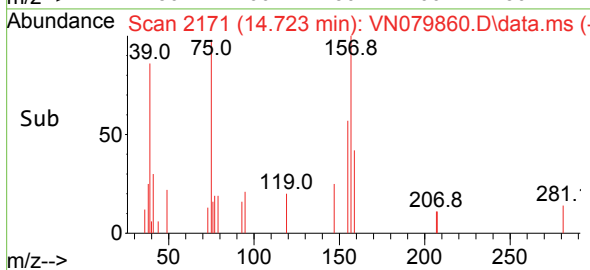
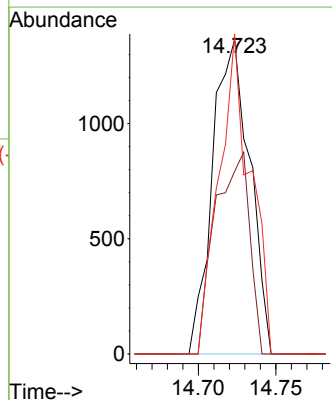
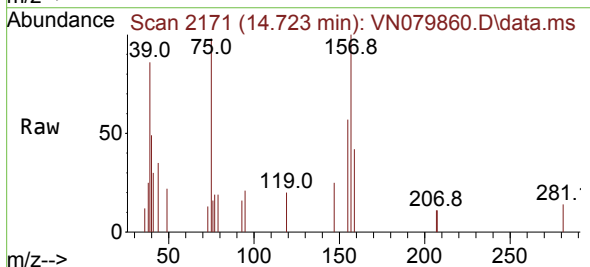
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2023

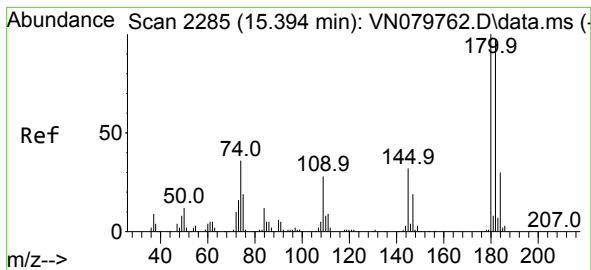
Tgt Ion:146 Resp: 15177
Ion Ratio Lower Upper
146 100
111 44.9 22.0 66.0
148 65.4 31.8 95.3



#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# 21

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

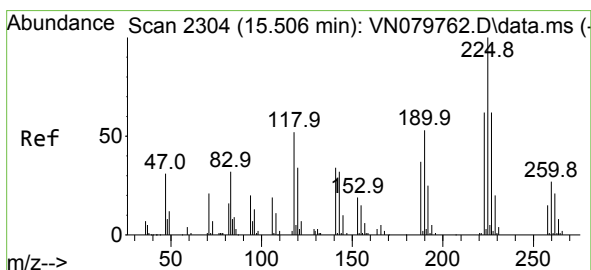
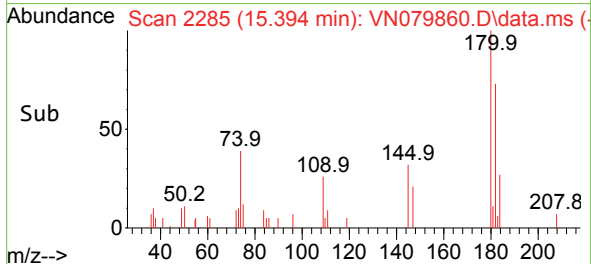
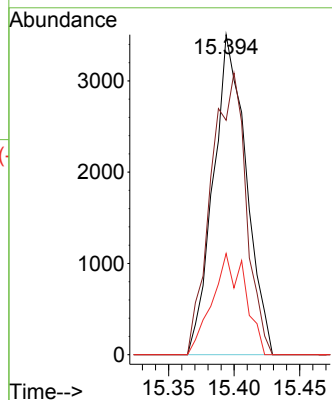
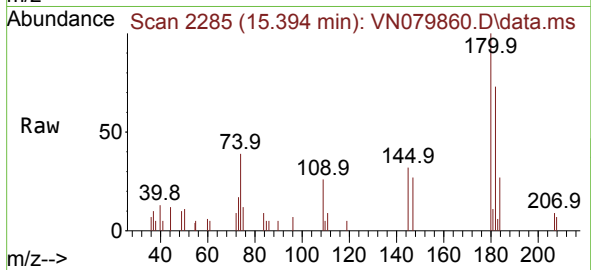
Tgt Ion:180 Resp: 6103

Ion Ratio Lower Upper

180 100

182 93.8 46.1 138.2

145 31.8 16.6 49.8



#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

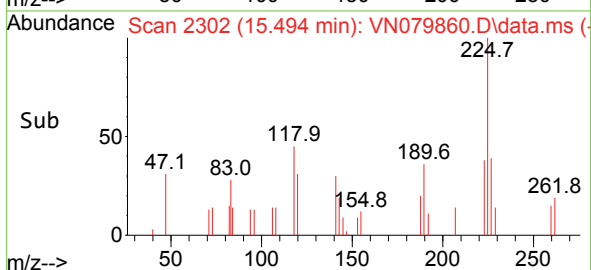
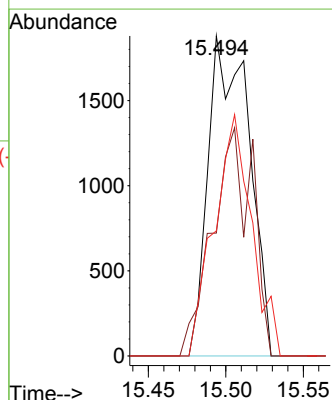
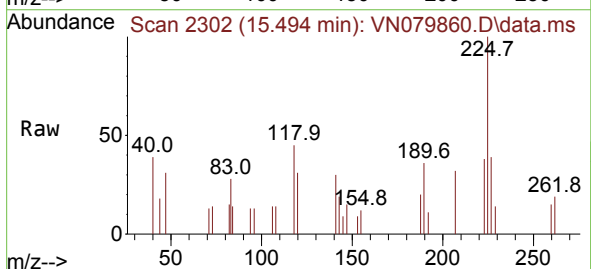
Tgt Ion:225 Resp: 3450

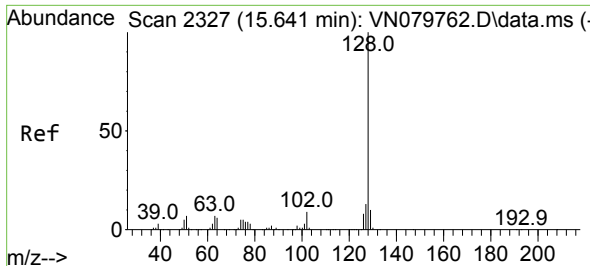
Ion Ratio Lower Upper

225 100

223 69.5 31.3 93.8

227 68.8 31.9 95.9

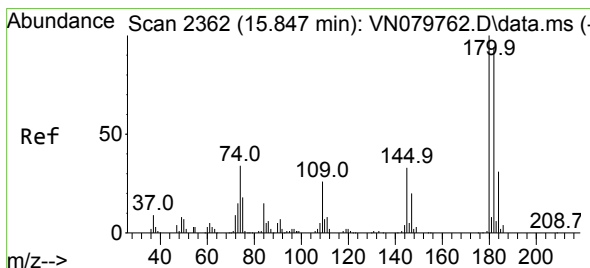
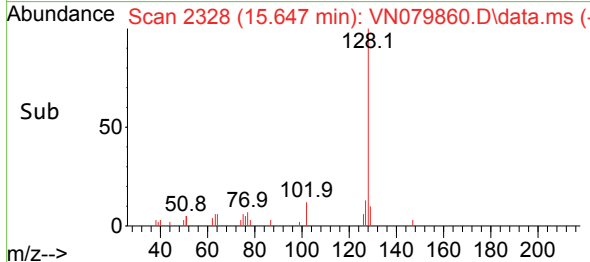
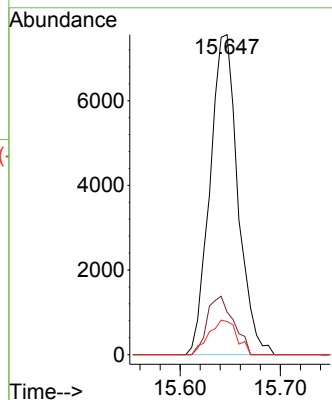
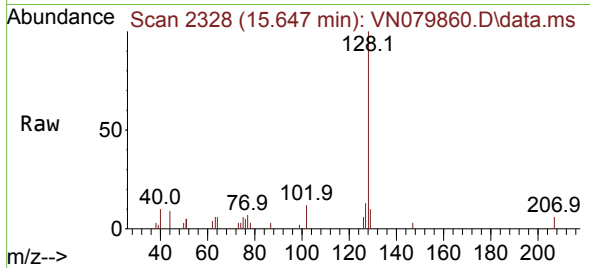




#95
Naphthalene
Concen: 1.574 ug/l
RT: 15.647 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN079860.D
Acq: 03 Nov 2023 19:38

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

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



#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	Ratio	Lower	Upper
180	100		
182	90.2	46.2	138.6
145	35.9	17.5	52.6

