

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071223\
 Data File : VN078479.D
 Acq On : 12 Jul 2023 14:04
 Operator : JC\MD
 Sample : 03572-09 .5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jul 13 04:32:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071023W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 13 04:30:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	475960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	835119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	702722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	210800	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	362685	56.840	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	113.680%
35) Dibromofluoromethane	8.177	113	311181	54.891	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.780%
50) Toluene-d8	10.576	98	1115894	52.106	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.220%
62) 4-Bromofluorobenzene	12.859	95	314826	47.726	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.460%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.136	85	3211	0.550	ug/l	98
3) Chloromethane	2.371	50	3837	0.605	ug/l	88
4) Vinyl Chloride	2.524	62	5499	0.670	ug/l	96
5) Bromomethane	2.965	94	6342	1.082	ug/l #	67
6) Chloroethane	3.142	64	6330	1.141	ug/l #	61
7) Trichlorofluoromethane	3.495	101	5701	0.581	ug/l #	76
8) Diethyl Ether	3.971	74	1909	0.584	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.371	101	2754	0.530	ug/l #	84
10) Methyl Iodide	4.606	142	2494	0.350	ug/l #	74
11) Tert butyl alcohol	5.524	59	2807	2.853	ug/l #	78
12) 1,1-Dichloroethene	4.342	96	1259	0.251	ug/l #	48
13) Acrolein	4.200	56	2471	2.553	ug/l #	81
14) Allyl chloride	5.042	41	3316	0.483	ug/l #	87
15) Acrylonitrile	5.736	53	6485	2.609	ug/l #	90
16) Acetone	4.459	43	6421	3.231	ug/l #	68
17) Carbon Disulfide	4.712	76	8585	0.591	ug/l	98
18) Methyl Acetate	5.047	43	3122	0.371	ug/l #	51
19) Methyl tert-butyl Ether	5.812	73	7979	0.482	ug/l #	85
20) Methylene Chloride	5.277	84	2585	0.403	ug/l #	77
21) trans-1,2-Dichloroethene	5.789	96	1451	0.256	ug/l #	32
22) Diisopropyl ether	6.683	45	6937	0.451	ug/l #	73
23) Vinyl Acetate	6.624	43	20722	2.121	ug/l #	80
24) 1,1-Dichloroethane	6.583	63	6105	0.590	ug/l #	81
25) 2-Butanone	7.506	43	9606	3.070	ug/l #	72
26) 2,2-Dichloropropane	7.494	77	4619	0.545	ug/l	97
27) cis-1,2-Dichloroethene	7.494	96	3670	0.561	ug/l	96
28) Bromochloromethane	7.818	49	1882	0.386	ug/l #	88
29) Tetrahydrofuran	7.853	42	4721	2.300	ug/l #	78
30) Chloroform	7.977	83	6317	0.586	ug/l	92
31) Cyclohexane	8.230	56	15209	1.764	ug/l #	43
32) 1,1,1-Trichloroethane	8.165	97	5003	0.518	ug/l #	44
36) 1,1-Dichloropropene	8.388	75	4375	0.534	ug/l #	79
37) Ethyl Acetate	7.577	43	3961	0.580	ug/l #	79
38) Carbon Tetrachloride	8.365	117	5229	0.588	ug/l #	78
39) Methylcyclohexane	9.606	83	3948	0.528	ug/l #	90
40) Benzene	8.618	78	11578	0.477	ug/l #	85

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.788	41	1631	0.469	ug/l #	45
42) 1,2-Dichloroethane	8.682	62	5576	0.676	ug/l	93
43) Isopropyl Acetate	8.694	43	5099	0.454	ug/l #	93
44) Trichloroethene	9.359	130	3488	0.534	ug/l	94
45) 1,2-Dichloropropane	9.629	63	3070	0.500	ug/l #	25
46) Dibromomethane	9.729	93	2113	0.489	ug/l	94
47) Bromodichloromethane	9.888	83	4438	0.512	ug/l #	91
48) Methyl methacrylate	9.694	41	2853	0.548	ug/l	88
49) 1,4-Dioxane	9.706	88	908	8.000	ug/l #	68
51) 4-Methyl-2-Pentanone	10.459	43	15316	2.292	ug/l	91
52) Toluene	10.635	92	8223	0.547	ug/l	86
53) t-1,3-Dichloropropene	10.841	75	4224	0.476	ug/l #	87
54) cis-1,3-Dichloropropene	10.318	75	4183	0.442	ug/l #	88
55) 1,1,2-Trichloroethane	11.023	97	3378	0.570	ug/l #	80
56) Ethyl methacrylate	10.876	69	3597	0.435	ug/l #	62
57) 1,3-Dichloropropane	11.171	76	4794	0.476	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.171	63	5464	1.852	ug/l	97
59) 2-Hexanone	11.206	43	10840	2.283	ug/l	100
60) Dibromochloromethane	11.365	129	3226	0.493	ug/l	99
61) 1,2-Dibromoethane	11.470	107	2817	0.462	ug/l	93
64) Tetrachloroethene	11.112	164	2894	0.548	ug/l #	71
65) Chlorobenzene	11.894	112	8810	0.561	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.970	131	2833	0.469	ug/l #	58
67) Ethyl Benzene	11.965	91	11919	0.449	ug/l #	88
68) m/p-Xylenes	12.082	106	9502	0.968	ug/l	86
69) o-Xylene	12.400	106	4867	0.491	ug/l	92
70) Styrene	12.417	104	6778	0.437	ug/l	93
71) Bromoform	12.588	173	1995	0.487	ug/l #	94
73) Isopropylbenzene	12.700	105	10079	0.509	ug/l	96
74) N-amyl acetate	12.500	43	3963	0.581	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.947	83	3855	0.576	ug/l	72
76) 1,2,3-Trichloropropane	12.853	75	163337	32.056	ug/l #	1
77) Bromobenzene	12.982	156	2633	0.541	ug/l	81
78) n-propylbenzene	13.041	91	11343	0.535	ug/l	89
79) 2-Chlorotoluene	13.135	91	7498	0.540	ug/l	97
80) 1,3,5-Trimethylbenzene	13.182	105	7799	0.498	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.853	75	163337	84.238	ug/l #	15
82) 4-Chlorotoluene	13.223	91	6056	0.468	ug/l	99
83) tert-Butylbenzene	13.441	119	6977	0.525	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	6553	0.431	ug/l	99
85) sec-Butylbenzene	13.617	105	9104	0.542	ug/l	94
86) p-Isopropyltoluene	13.735	119	6465	0.479	ug/l	92
87) 1,3-Dichlorobenzene	13.741	146	3730	0.491	ug/l	97
88) 1,4-Dichlorobenzene	13.741	146	3730	0.487	ug/l	97
89) n-Butylbenzene	14.070	91	4440	0.460	ug/l	91
90) Hexachloroethane	14.335	117	1672	0.587	ug/l	93
91) 1,2-Dichlorobenzene	14.111	146	3902	0.516	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.735	75	757	0.687	ug/l #	69
93) 1,2,4-Trichlorobenzene	15.394	180	769	0.318	ug/l #	77
94) Hexachlorobutadiene	15.511	225	1319	0.835	ug/l	70
95) Naphthalene	15.641	128	4006	0.485	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.847	180	1805	0.650	ug/l	92

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QLast Update : Thu Jul 13 04:30:43 2023
Response via : Initial Calibration

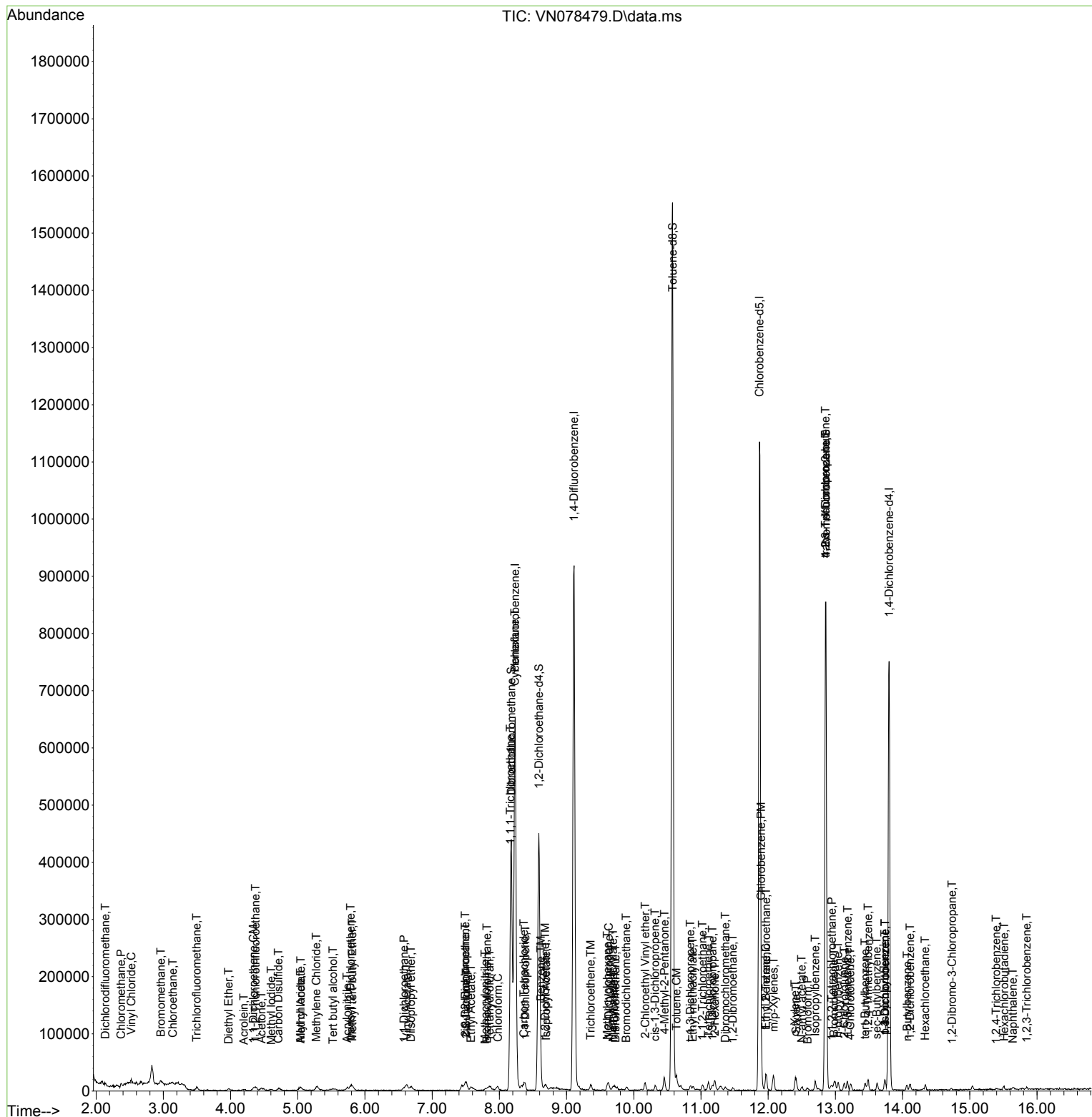
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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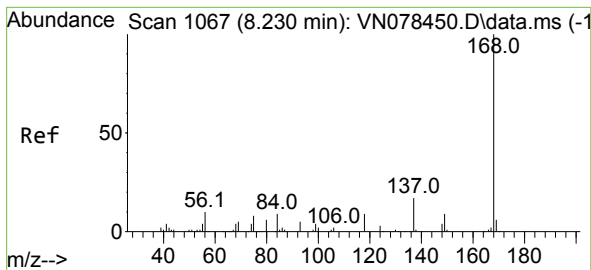
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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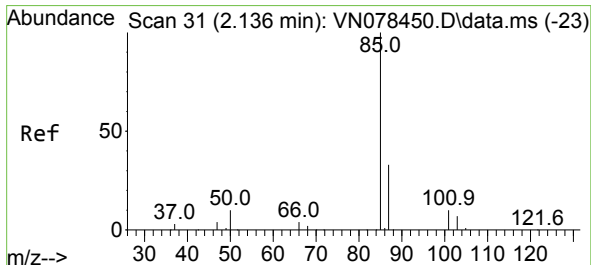
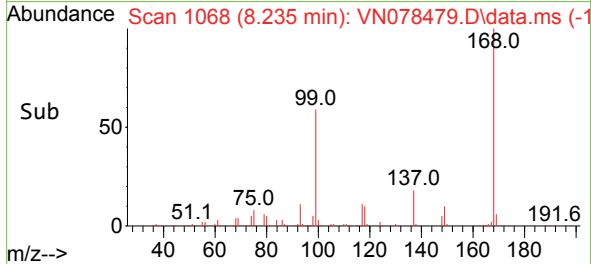
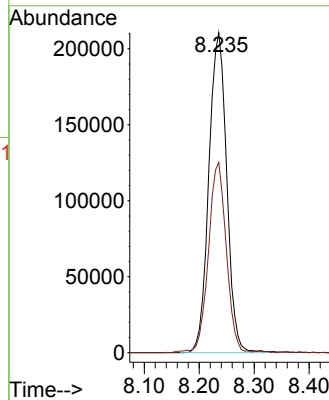
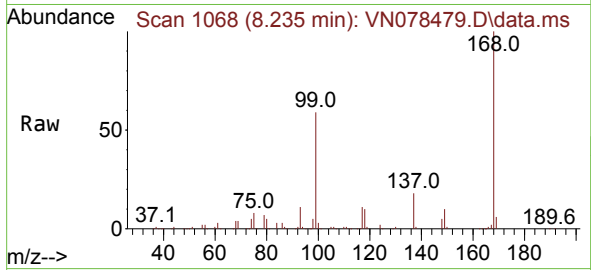




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. 0.005 min
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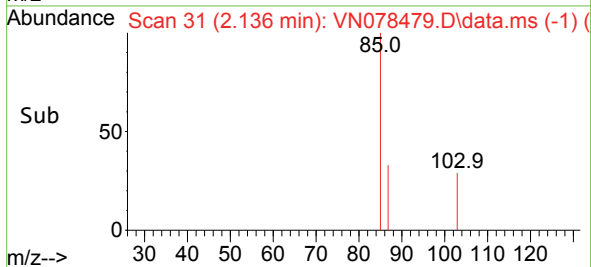
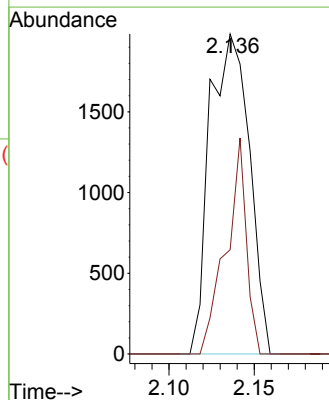
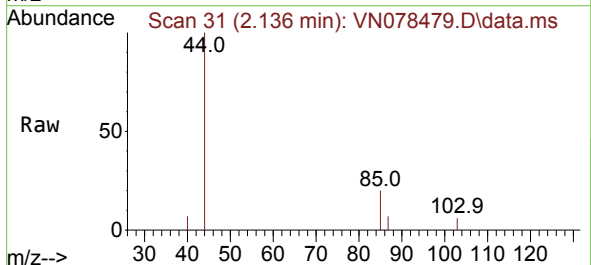
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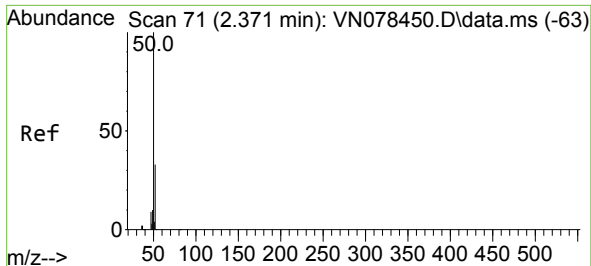
Tgt Ion:168 Resp: 475960
Ion Ratio Lower Upper
168 100
99 59.3 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 0.550 ug/l
RT: 2.136 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 85 Resp: 3211
Ion Ratio Lower Upper
85 100
87 32.5 15.8 47.4

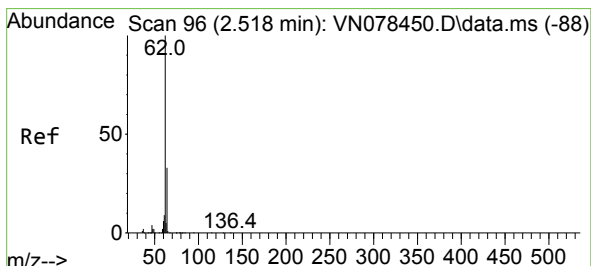
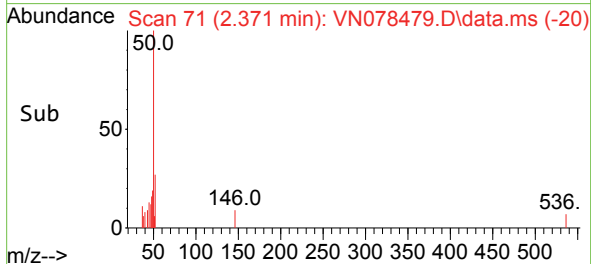
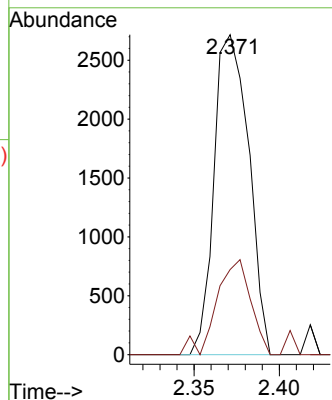
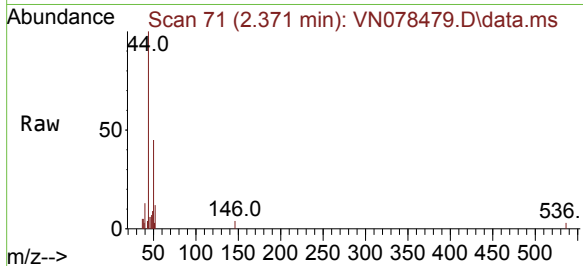




#3
Chloromethane
Concen: 0.605 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

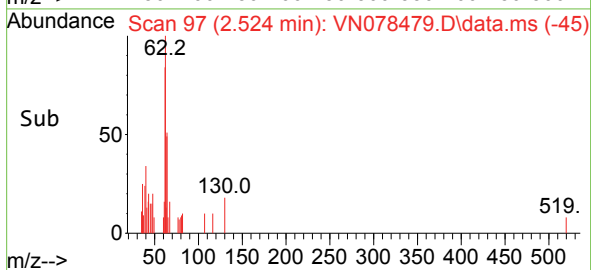
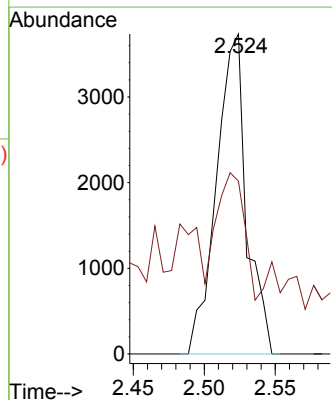
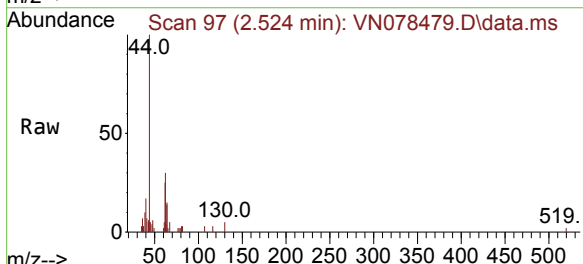
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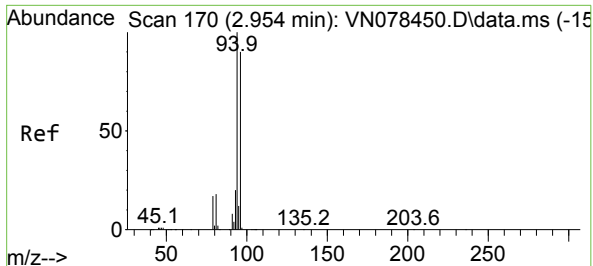
Tgt Ion: 50 Resp: 3837
Ion Ratio Lower Upper
50 100
52 26.6 26.5 39.7



#4
Vinyl Chloride
Concen: 0.670 ug/l
RT: 2.524 min Scan# 97
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 62 Resp: 5499
Ion Ratio Lower Upper
62 100
64 34.9 26.2 39.2

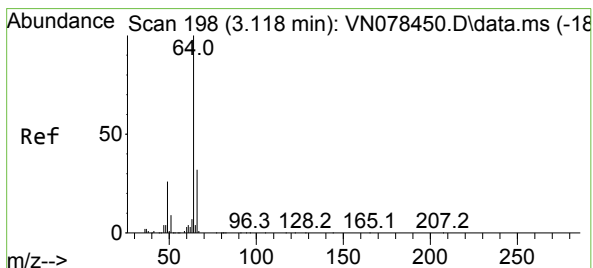
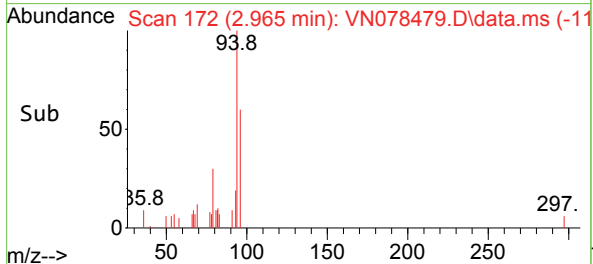
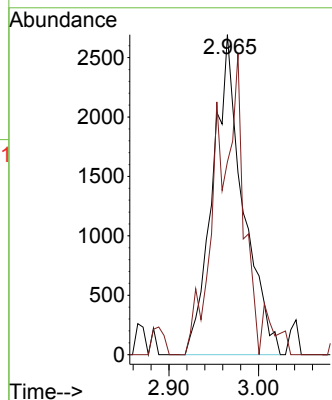
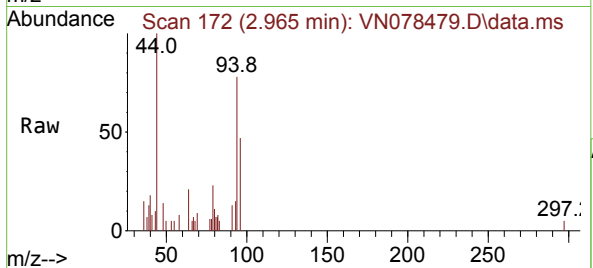




#5
Bromomethane
Concen: 1.082 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.011 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

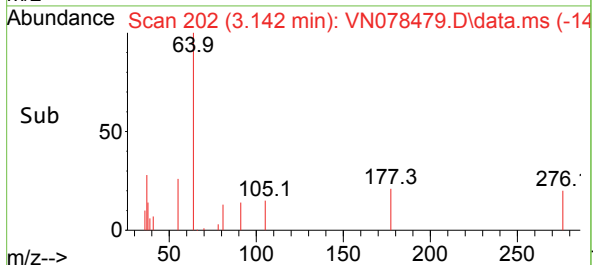
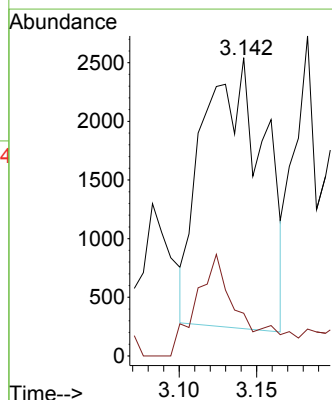
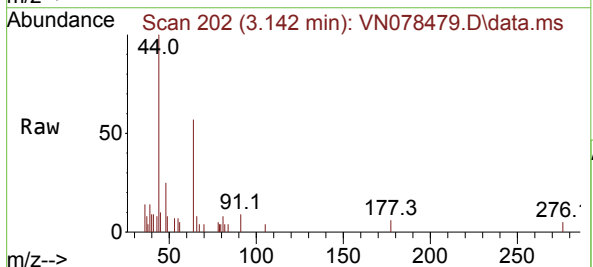
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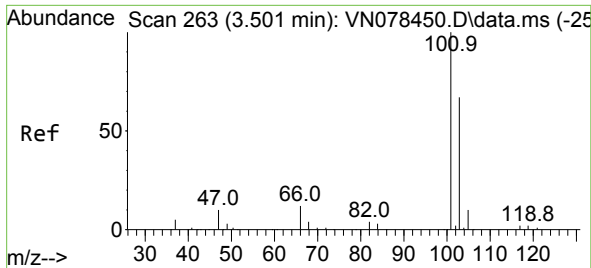
Tgt Ion: 94 Resp: 6342
Ion Ratio Lower Upper
94 100
96 60.2 73.1 109.7#



#6
Chloroethane
Concen: 1.141 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 64 Resp: 6330
Ion Ratio Lower Upper
64 100
66 10.2 25.4 38.2#

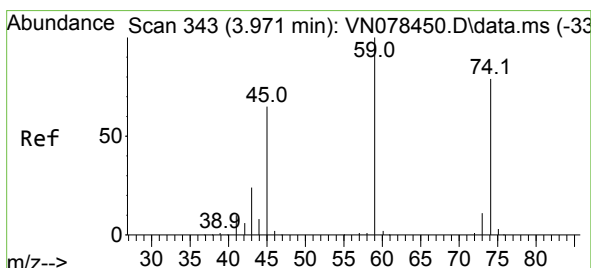
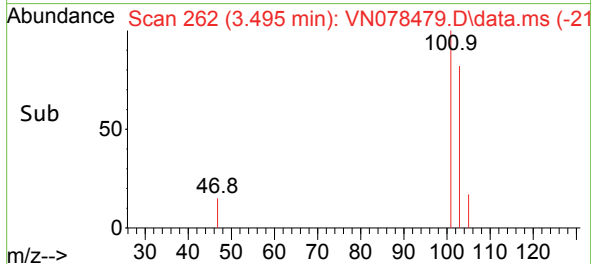
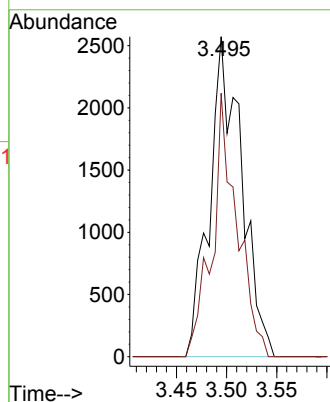
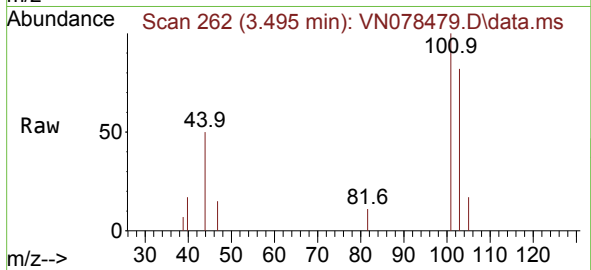




#7
Trichlorofluoromethane
Concen: 0.581 ug/l
RT: 3.495 min Scan# 210
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

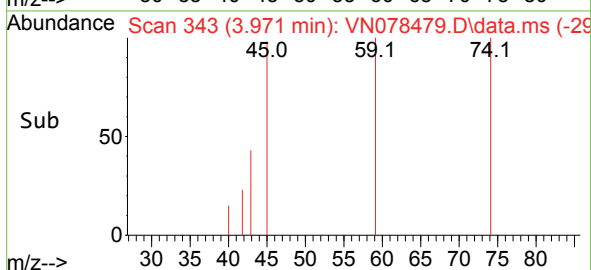
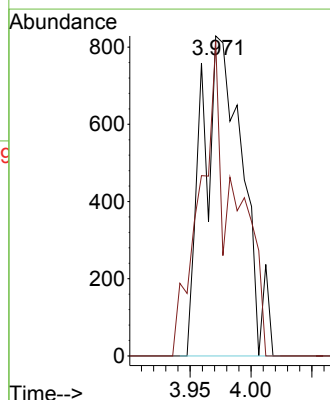
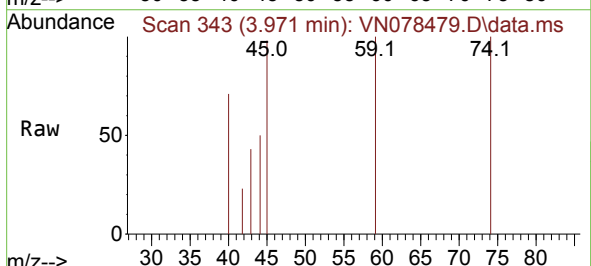
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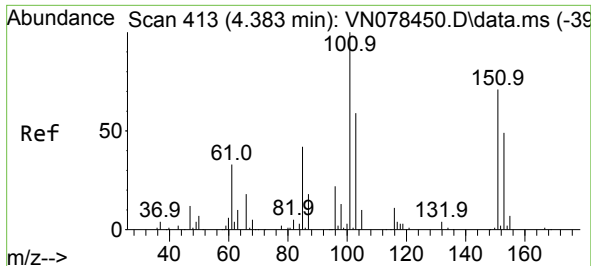
Tgt Ion:101 Resp: 5701
Ion Ratio Lower Upper
101 100
103 82.3 50.7 76.1#



#8
Diethyl Ether
Concen: 0.584 ug/l
RT: 3.971 min Scan# 343
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 74 Resp: 1909
Ion Ratio Lower Upper
74 100
45 65.5 34.4 103.3

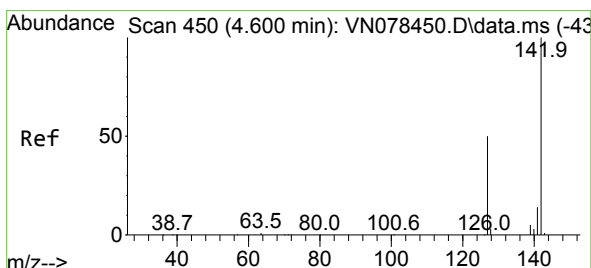
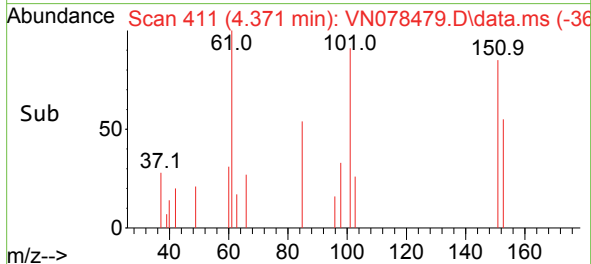
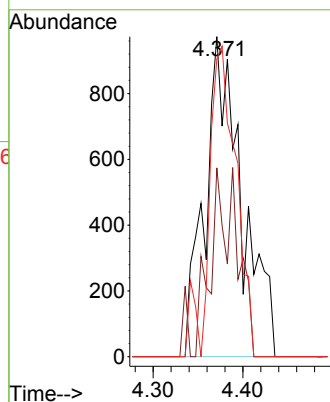
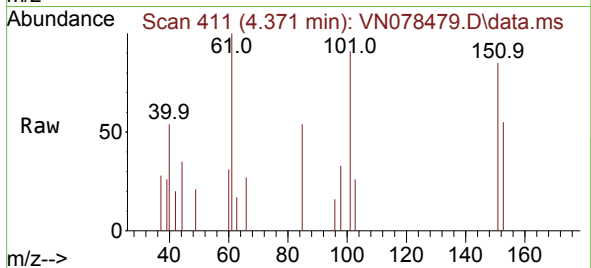




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.530 ug/l
RT: 4.371 min Scan# 413
Delta R.T. -0.012 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

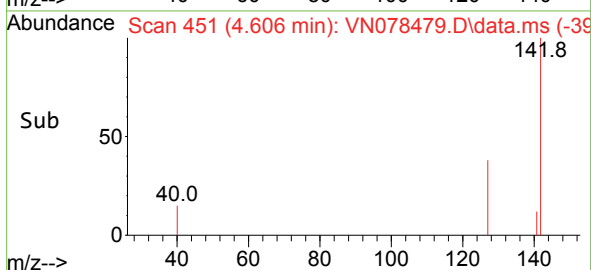
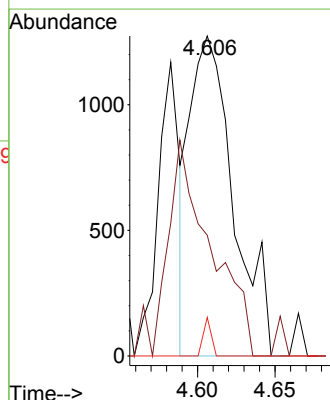
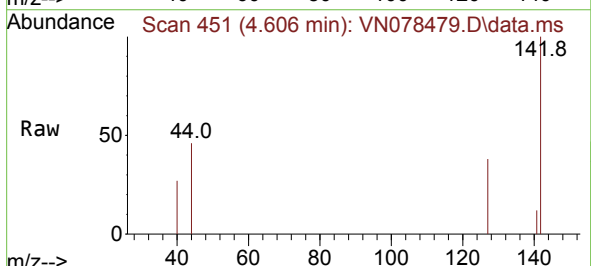
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

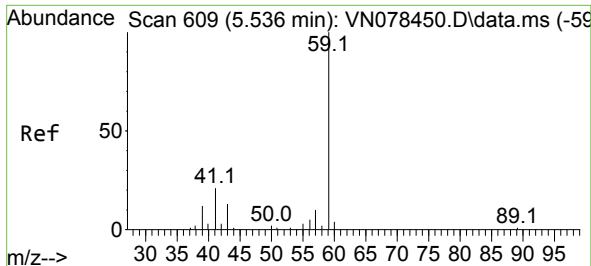
Tgt Ion:101 Resp: 2754
Ion Ratio Lower Upper
101 100
85 25.1 36.6 55.0#
151 66.6 57.6 86.4



#10
Methyl Iodide
Concen: 0.350 ug/l
RT: 4.606 min Scan# 451
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

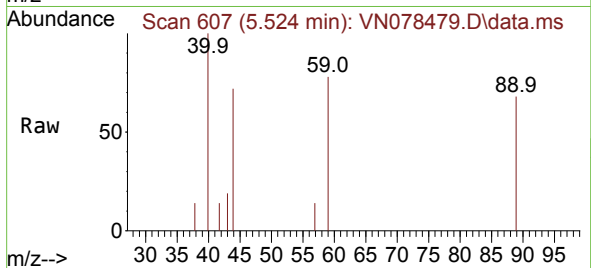
Tgt Ion:142 Resp: 2494
Ion Ratio Lower Upper
142 100
127 25.4 37.6 56.4#
141 12.1 11.4 17.0



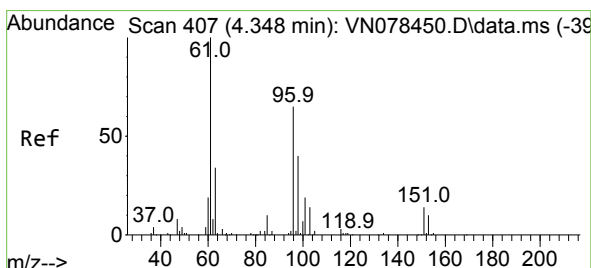
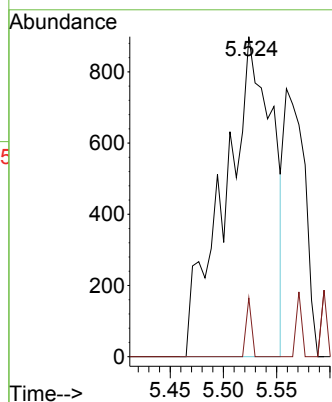
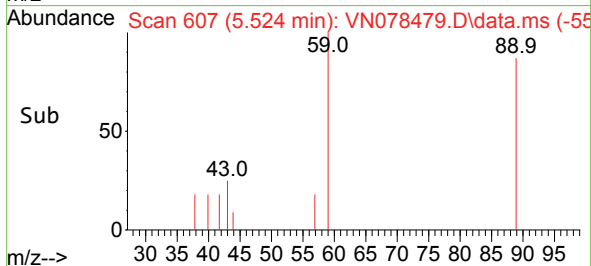


#11
Tert butyl alcohol
Concen: 2.853 ug/l
RT: 5.524 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

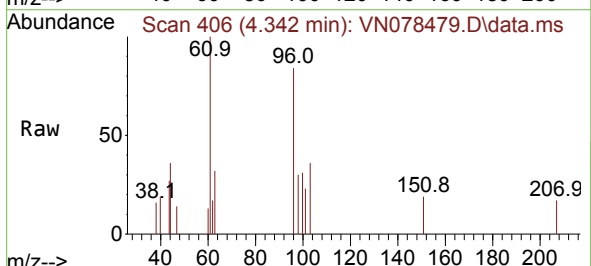
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023



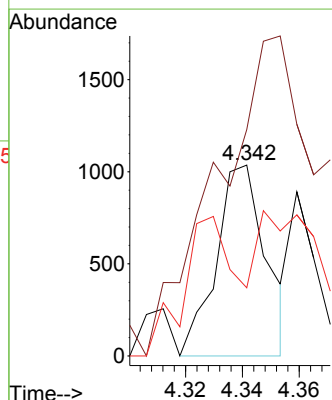
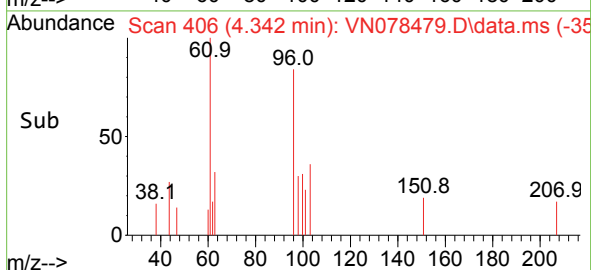
Tgt Ion: 59 Resp: 2807
Ion Ratio Lower Upper
59 100
57 2.1 8.2 12.4#

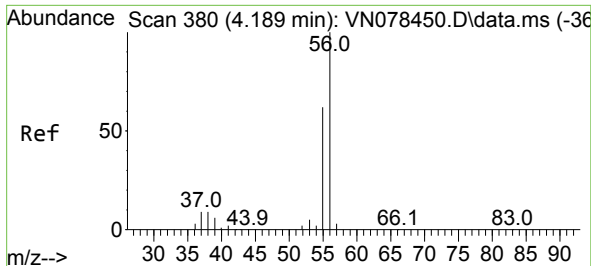


#12
1,1-Dichloroethene
Concen: 0.251 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04



Tgt Ion: 96 Resp: 1259
Ion Ratio Lower Upper
96 100
61 80.2 112.7 169.1#
98 20.5 51.2 76.8#





#13

Acrolein

Concen: 2.553 ug/l

RT: 4.200 min Scan# 31

Delta R.T. 0.011 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

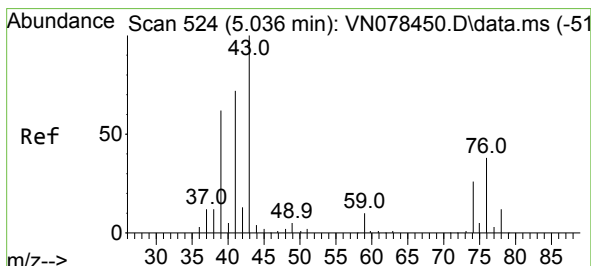
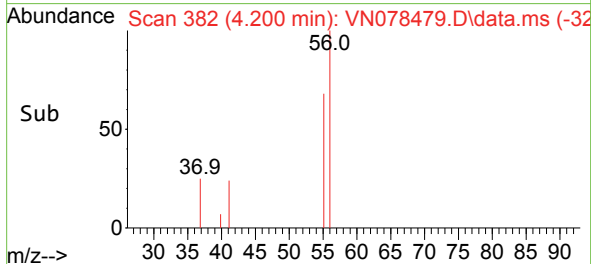
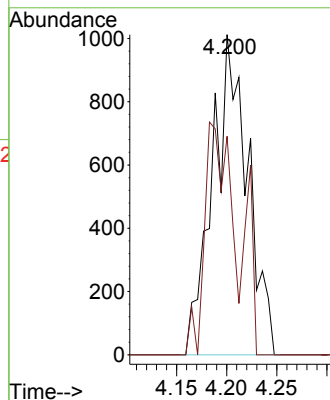
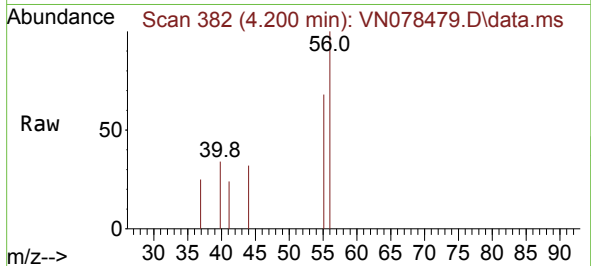
MDL-WATER-03-QT3-2023

Tgt Ion: 56 Resp: 2471

Ion Ratio Lower Upper

56 100

55 53.0 54.5 81.7#



#14

Allyl chloride

Concen: 0.483 ug/l

RT: 5.042 min Scan# 525

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

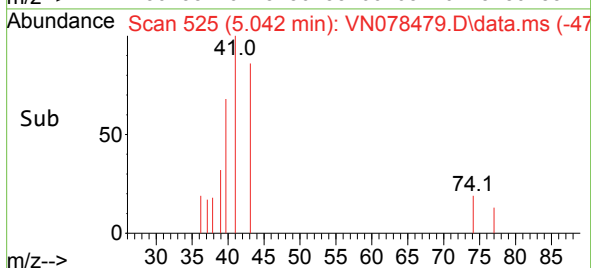
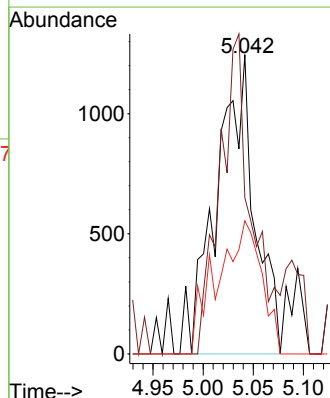
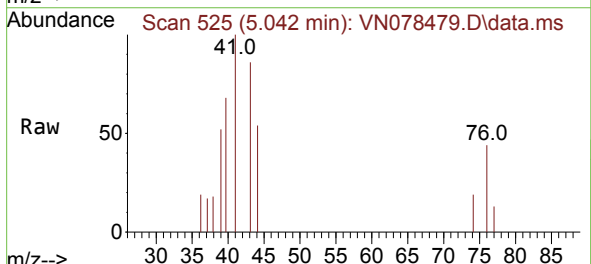
Tgt Ion: 41 Resp: 3316

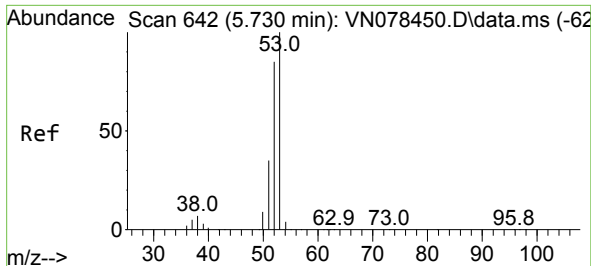
Ion Ratio Lower Upper

41 100

39 89.4 58.8 88.2#

76 51.3 39.1 58.7

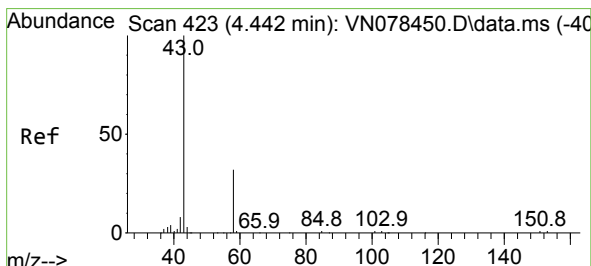
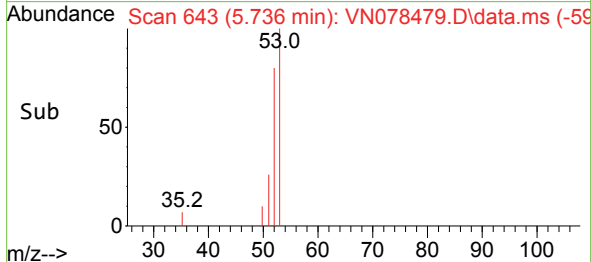
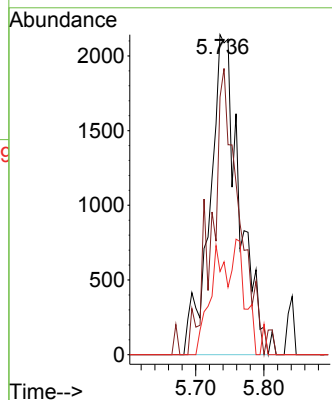
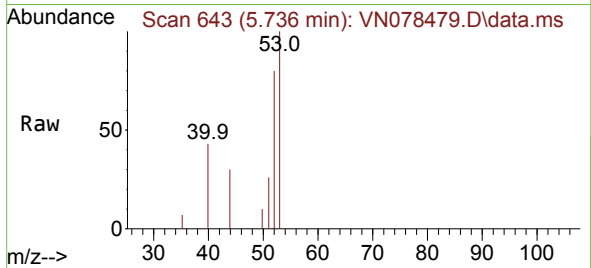




#15
Acrylonitrile
Concen: 2.609 ug/l
RT: 5.736 min Scan# 642
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

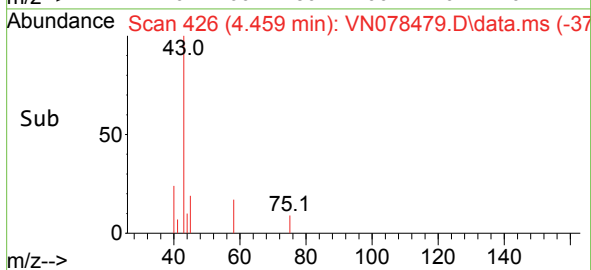
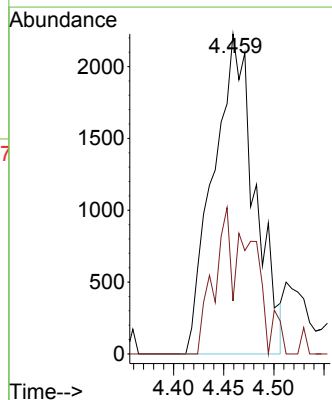
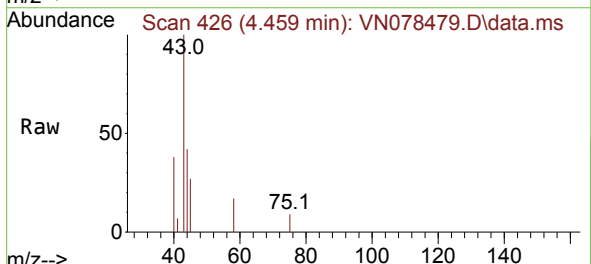
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

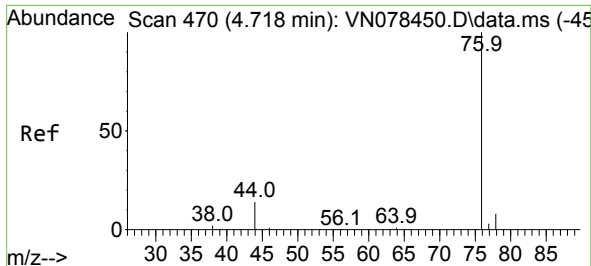
Tgt Ion: 53 Resp: 6485
Ion Ratio Lower Upper
53 100
52 80.4 65.3 97.9
51 19.2 28.9 43.3#



#16
Acetone
Concen: 3.231 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.017 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 43 Resp: 6421
Ion Ratio Lower Upper
43 100
58 16.5 28.0 42.0#

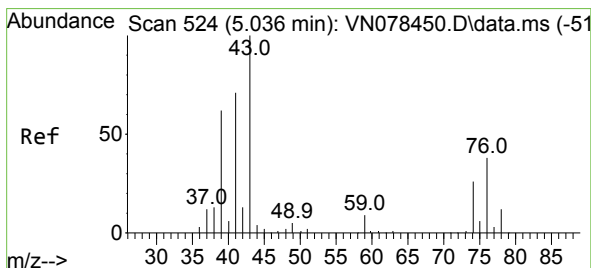
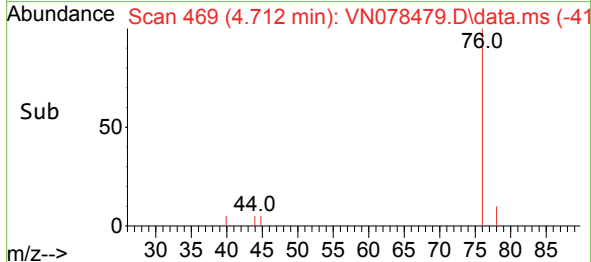
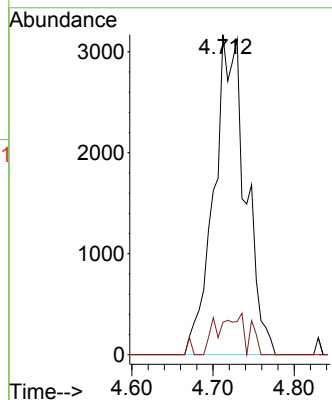
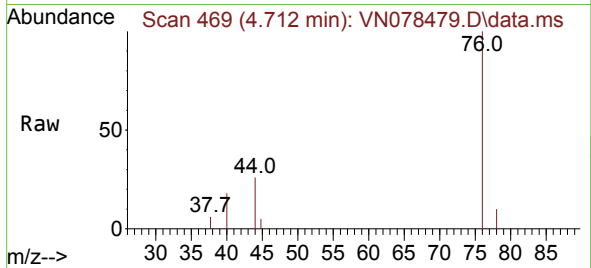




#17
Carbon Disulfide
Concen: 0.591 ug/l
RT: 4.712 min Scan# 411
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

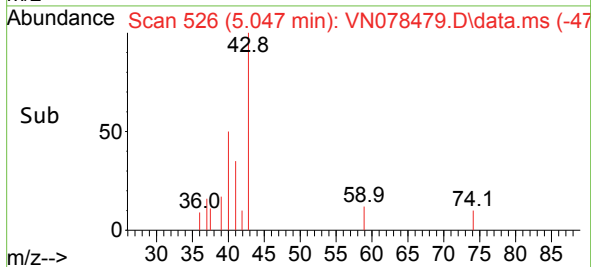
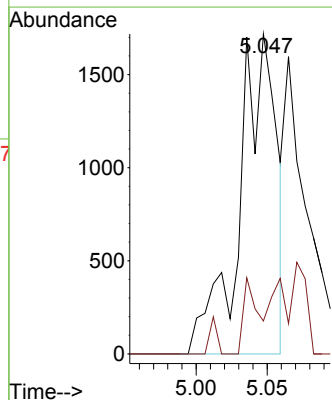
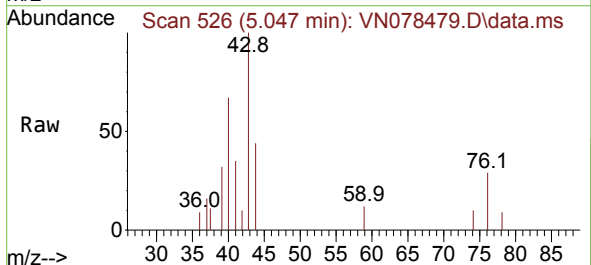
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

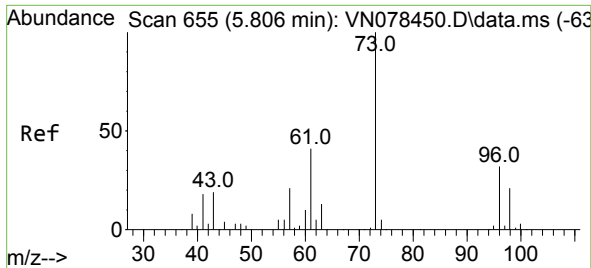
Tgt Ion: 76 Resp: 8585
Ion Ratio Lower Upper
76 100
78 10.1 7.4 11.0



#18
Methyl Acetate
Concen: 0.371 ug/l
RT: 5.047 min Scan# 526
Delta R.T. 0.011 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 43 Resp: 3122
Ion Ratio Lower Upper
43 100
74 5.1 26.2 39.4#

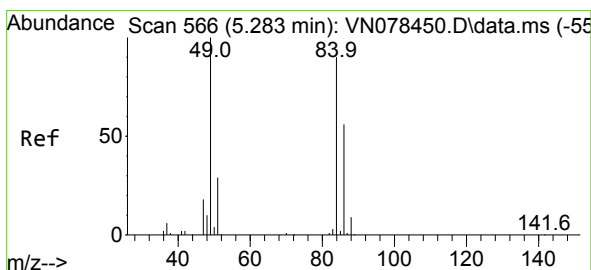
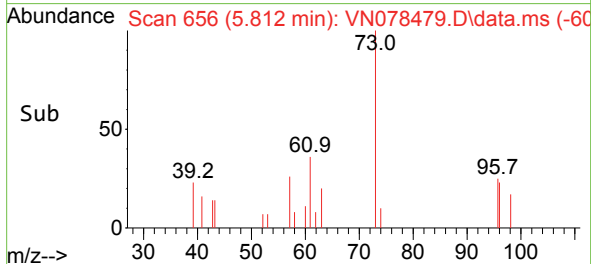
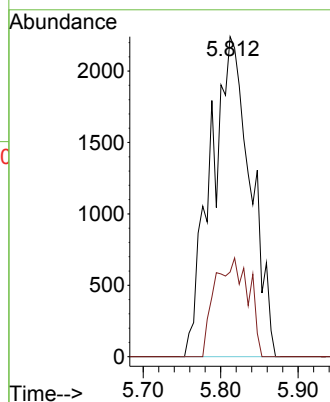
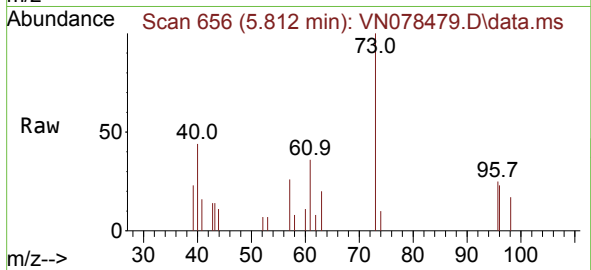




#19
Methyl tert-butyl Ether
Concen: 0.482 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

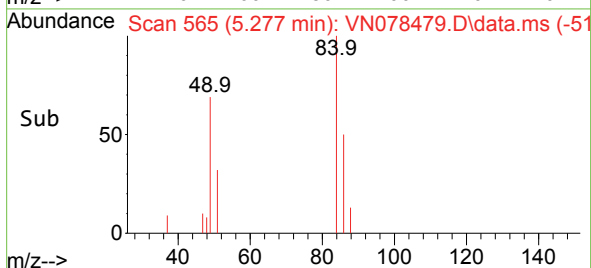
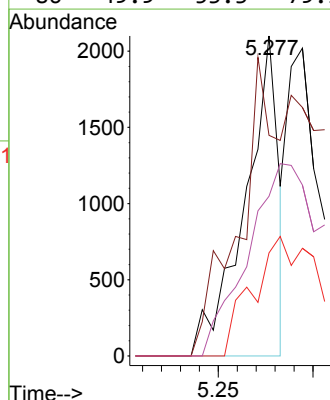
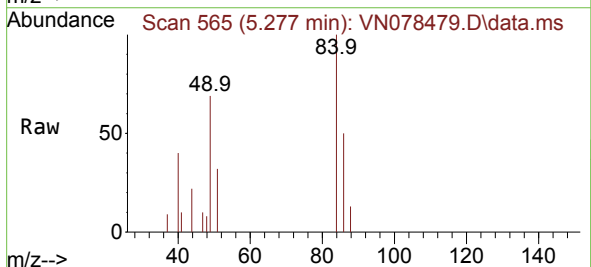
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

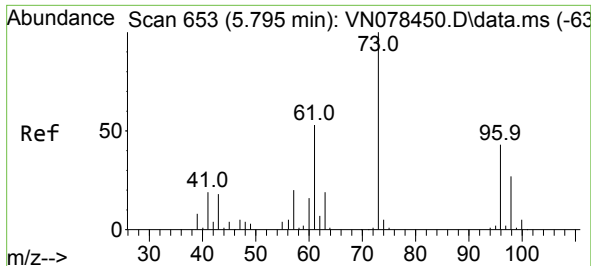
Tgt Ion: 73 Resp: 7979
Ion Ratio Lower Upper
73 100
57 26.5 15.6 23.4#



#20
Methylene Chloride
Concen: 0.403 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 84 Resp: 2585
Ion Ratio Lower Upper
84 100
49 69.0 79.7 119.5#
51 32.2 25.2 37.8
86 49.9 53.3 79.9#

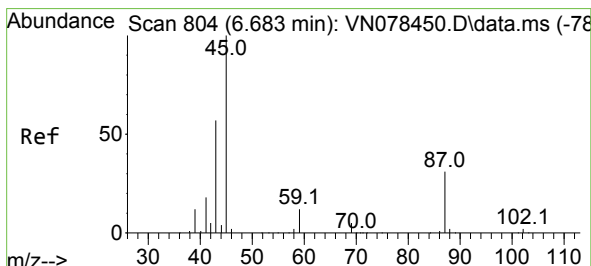
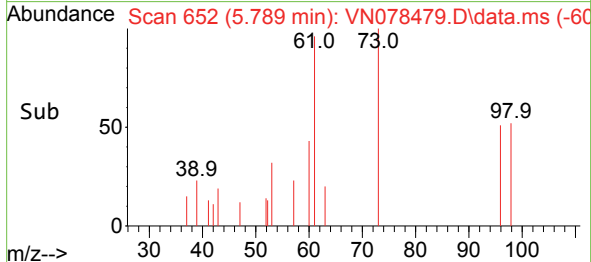
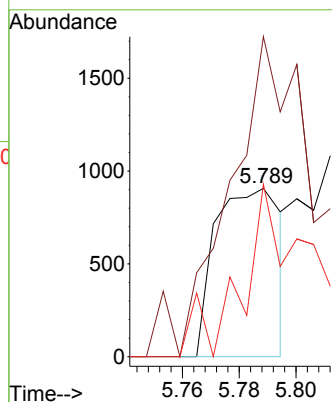
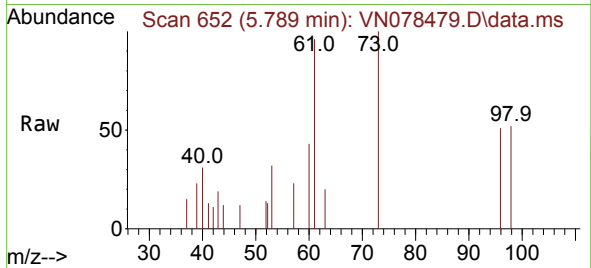




#21
trans-1,2-Dichloroethene
Concen: 0.256 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

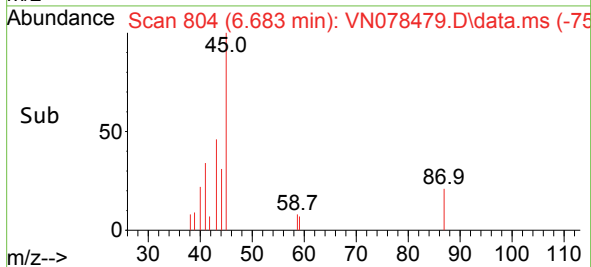
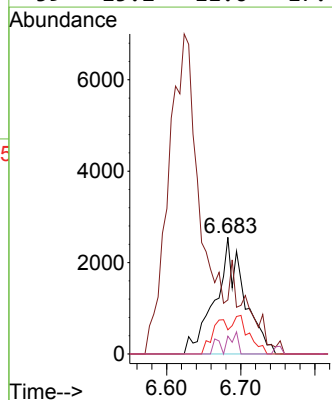
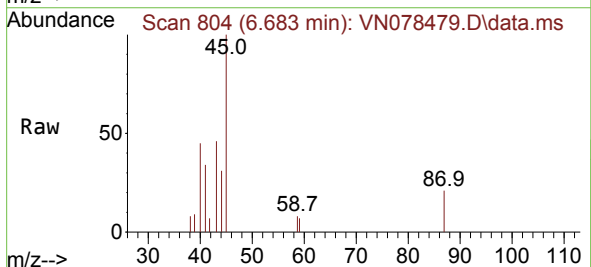
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

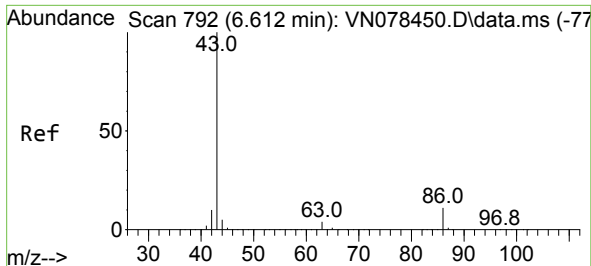
Tgt Ion: 96 Resp: 1451
Ion Ratio Lower Upper
96 100
61 190.1 90.1 135.1#
98 102.4 46.4 69.6#



#22
Diisopropyl ether
Concen: 0.451 ug/l
RT: 6.683 min Scan# 804
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 45 Resp: 6937
Ion Ratio Lower Upper
45 100
43 35.0 45.5 68.3#
87 20.7 31.8 47.8#
59 15.2 11.6 17.4

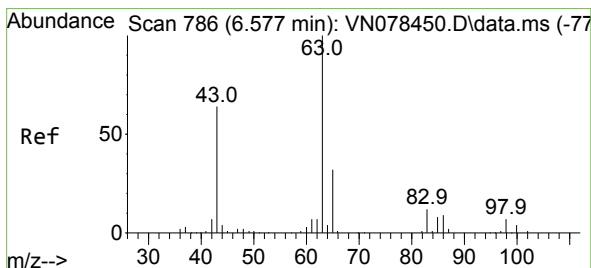
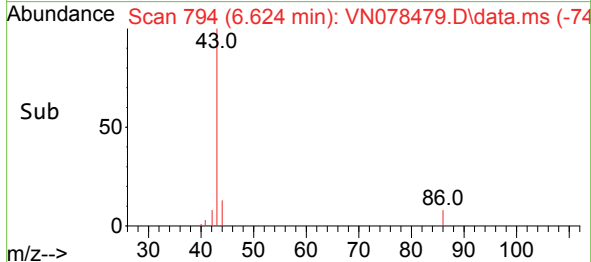
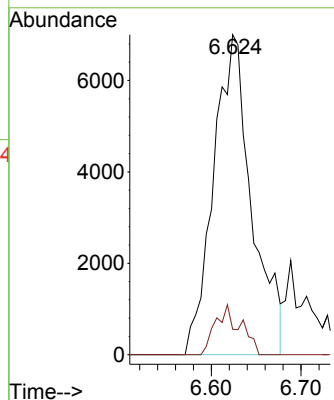
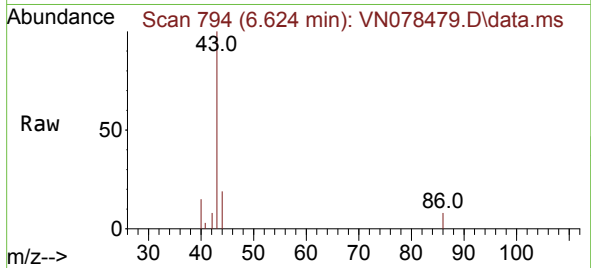




#23
 Vinyl Acetate
 Concen: 2.121 ug/l
 RT: 6.624 min Scan# 794
 Delta R.T. 0.012 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04

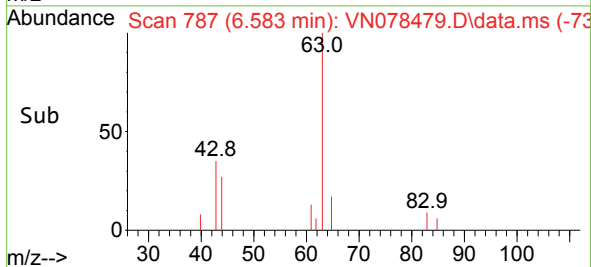
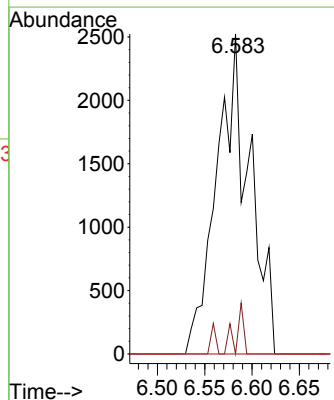
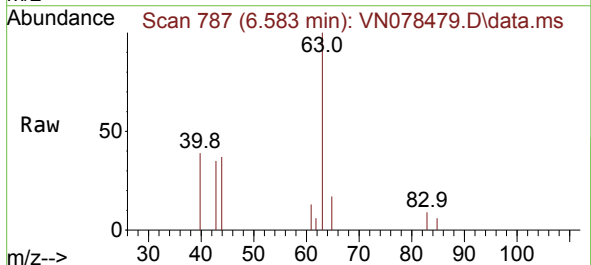
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023

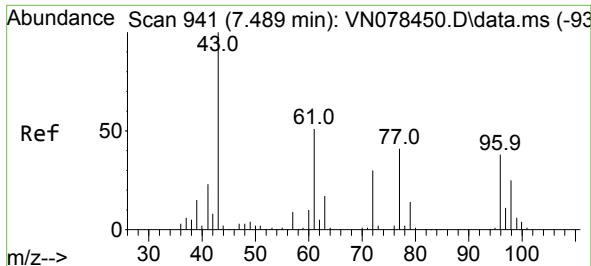
Tgt Ion: 43 Resp: 20722
 Ion Ratio Lower Upper
 43 100
 86 8.0 13.0 19.6#



#24
 1,1-Dichloroethane
 Concen: 0.590 ug/l
 RT: 6.583 min Scan# 787
 Delta R.T. 0.006 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04

Tgt Ion: 63 Resp: 6105
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.9 11.7#
 100 0.0 2.5 7.4#

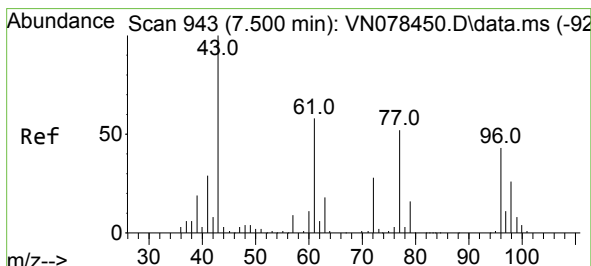
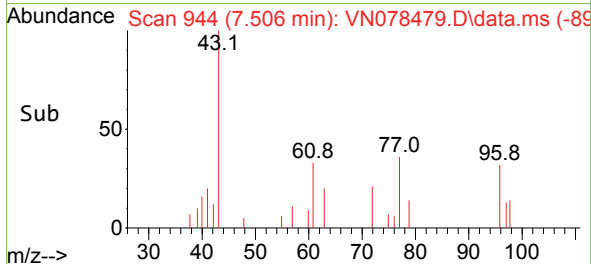
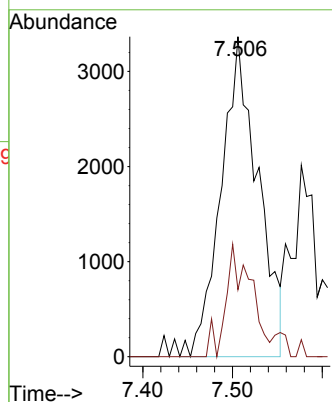
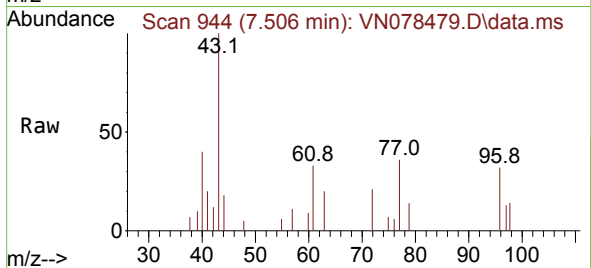




#25
2-Butanone
Concen: 3.070 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.017 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

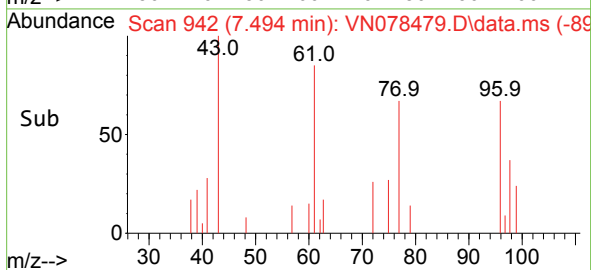
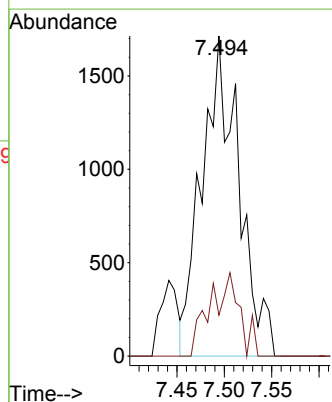
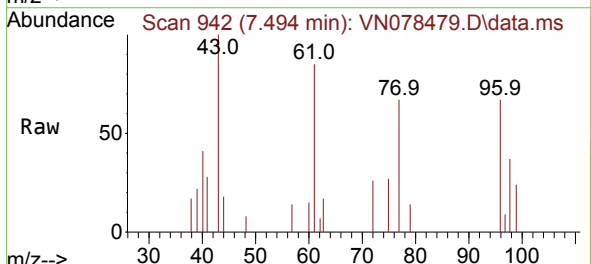
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

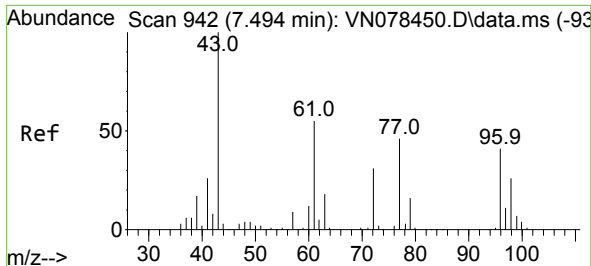
Tgt Ion: 43 Resp: 9606
Ion Ratio Lower Upper
43 100
72 20.9 30.2 45.2#



#26
2,2-Dichloropropane
Concen: 0.545 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 77 Resp: 4619
Ion Ratio Lower Upper
77 100
97 21.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 0.561 ug/l

RT: 7.494 min Scan# 942

Delta R.T. 0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

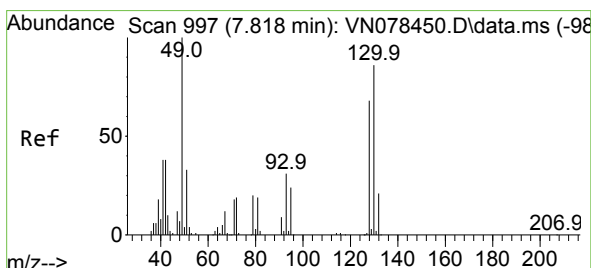
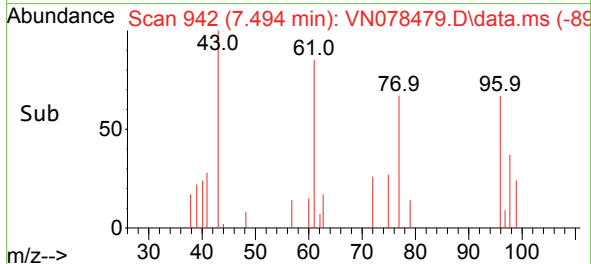
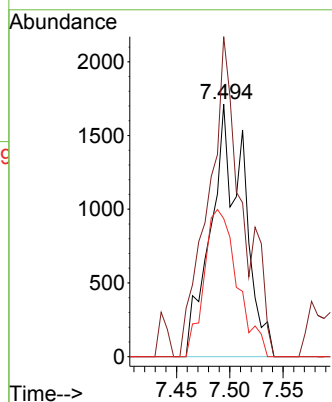
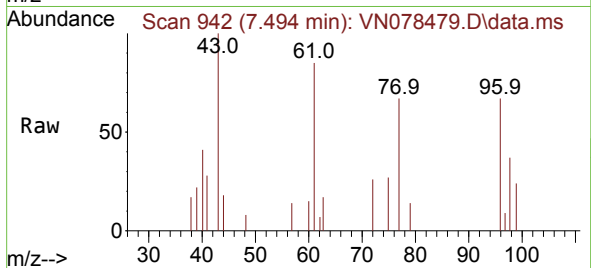
Tgt Ion: 96 Resp: 3670

Ion Ratio Lower Upper

96 100

61 130.6 0.0 255.2

98 59.3 0.0 128.8



#28

Bromochloromethane

Concen: 0.386 ug/l

RT: 7.818 min Scan# 997

Delta R.T. -0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

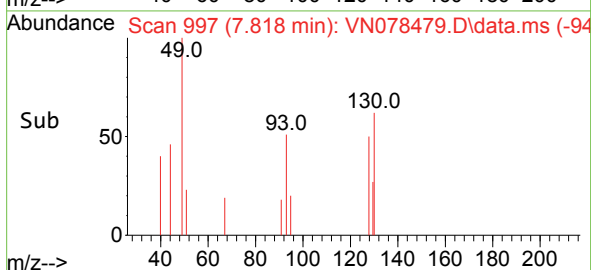
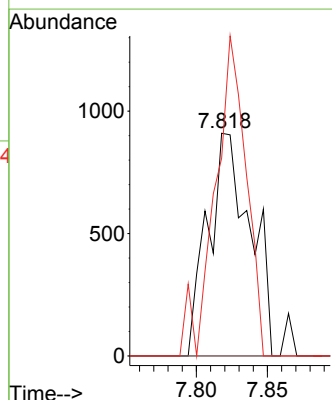
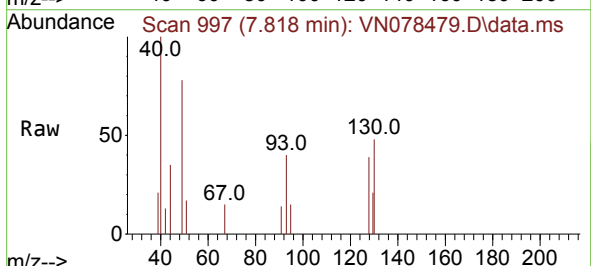
Tgt Ion: 49 Resp: 1882

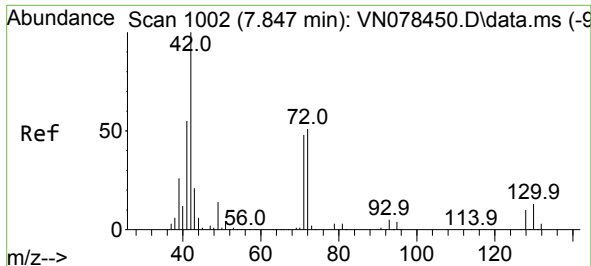
Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

130 106.2 75.3 112.9

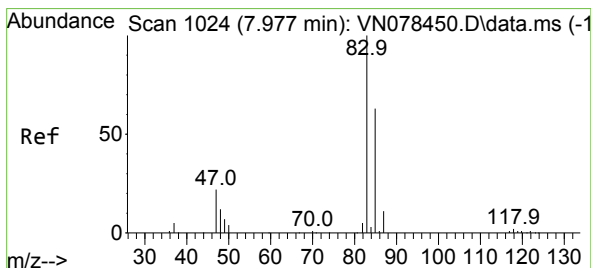
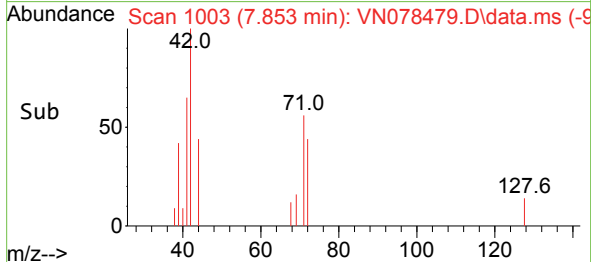
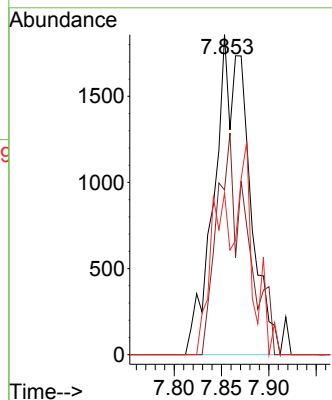
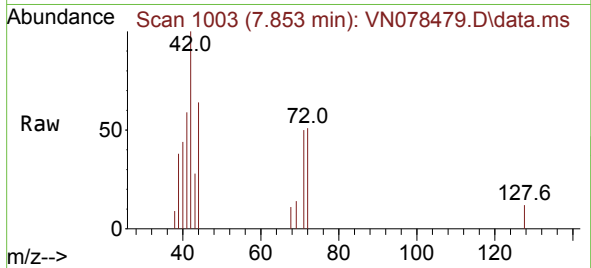




#29
Tetrahydrofuran
Concen: 2.300 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

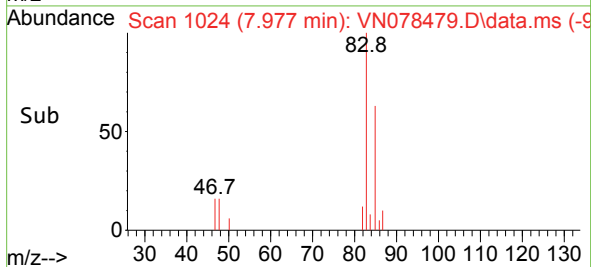
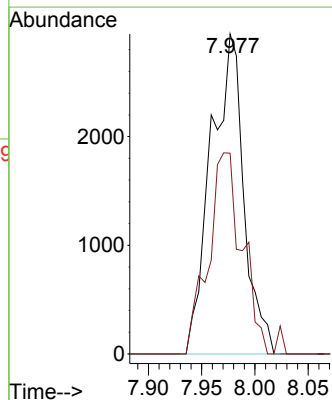
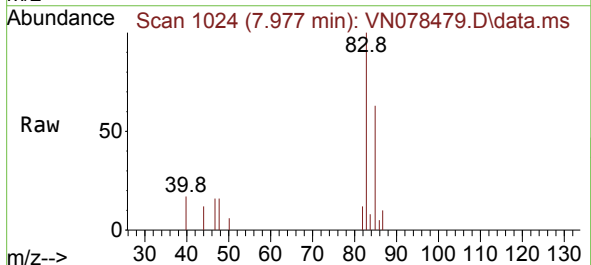
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

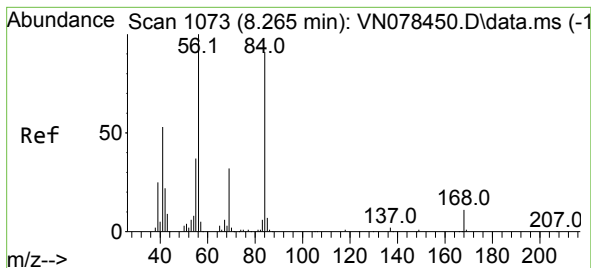
Tgt Ion: 42 Resp: 4721
Ion Ratio Lower Upper
42 100
72 59.6 49.8 74.6
71 28.0 47.4 71.2#



#30
Chloroform
Concen: 0.586 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 83 Resp: 6317
Ion Ratio Lower Upper
83 100
85 62.7 55.4 83.0





#31

Cyclohexane

Concen: 1.764 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

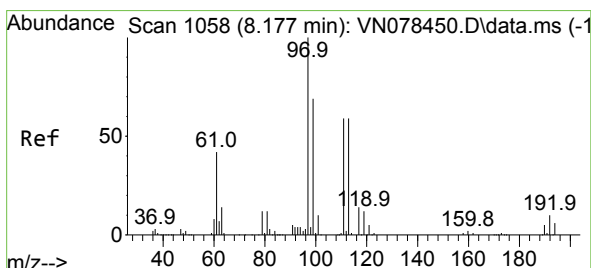
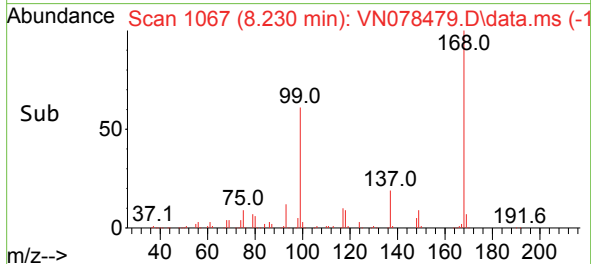
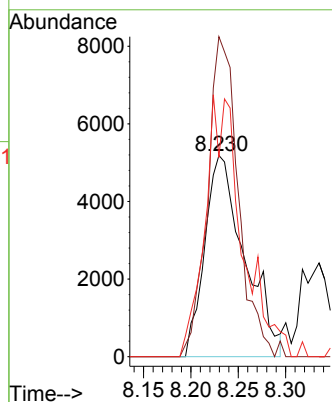
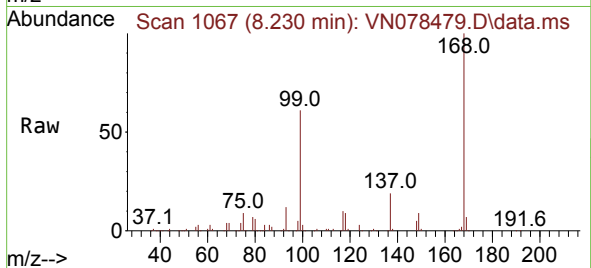
Tgt Ion: 56 Resp: 15209

Ion Ratio Lower Upper

56 100

69 159.0 26.8 40.2#

84 99.0 81.8 122.6



#32

1,1,1-Trichloroethane

Concen: 0.518 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.012 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

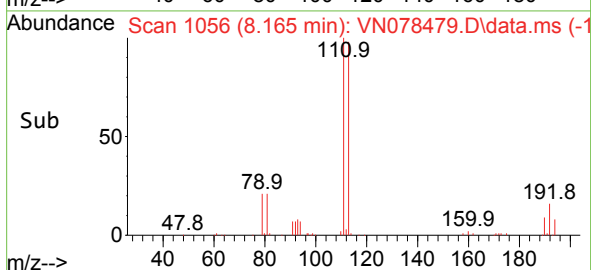
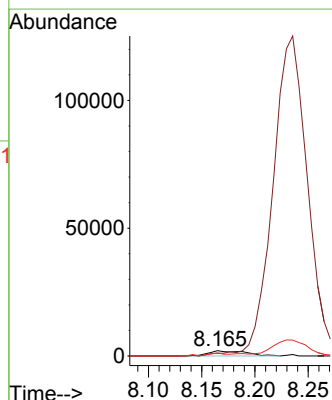
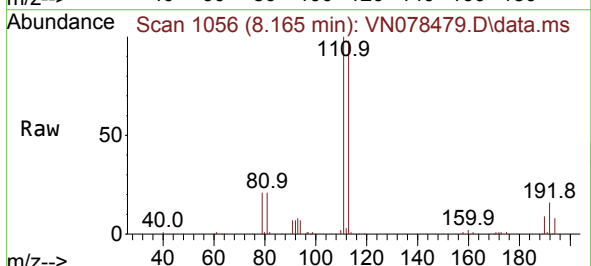
Tgt Ion: 97 Resp: 5003

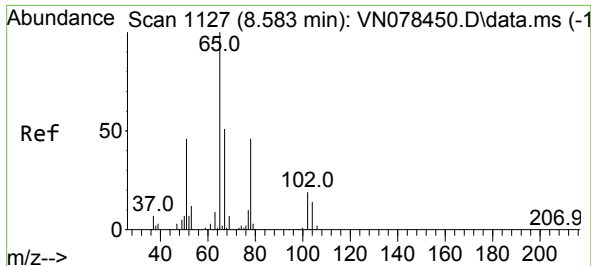
Ion Ratio Lower Upper

97 100

99 0.0 50.3 75.5#

61 31.1 34.7 52.1#





#33

1,2-Dichloroethane-d4

Concen: 56.840 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.005 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

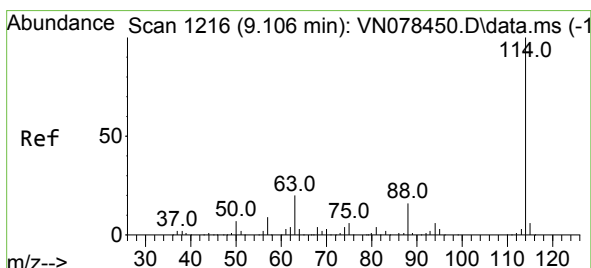
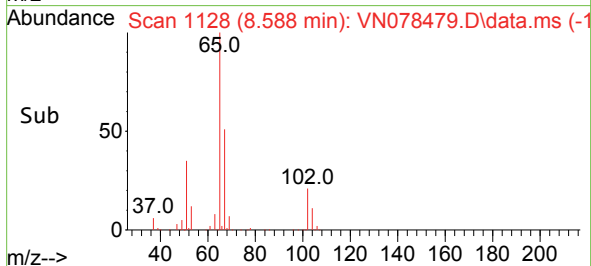
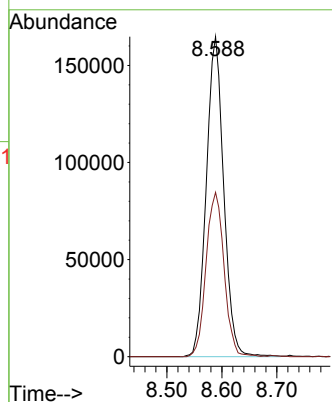
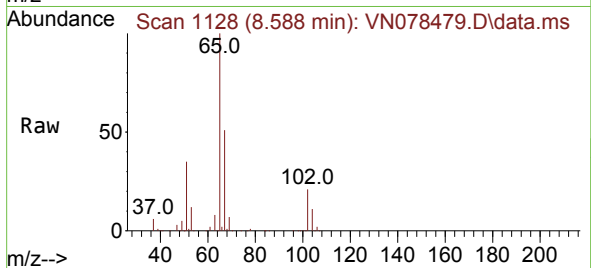
MDL-WATER-03-QT3-2023

Tgt Ion: 65 Resp: 362685

Ion Ratio Lower Upper

65 100

67 53.1 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 1217

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

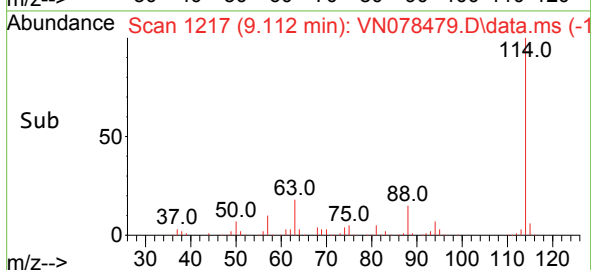
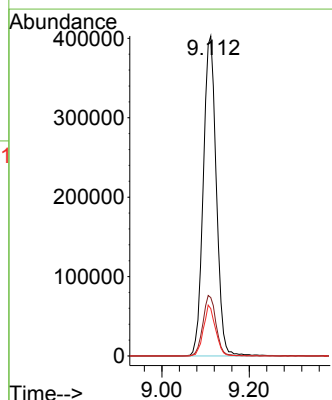
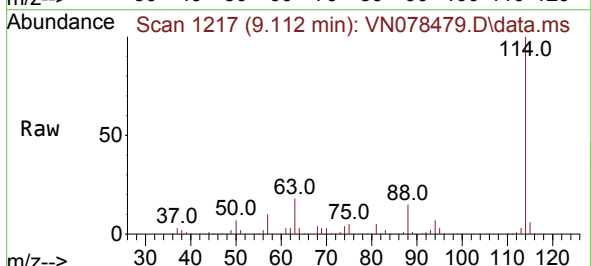
Tgt Ion: 114 Resp: 835119

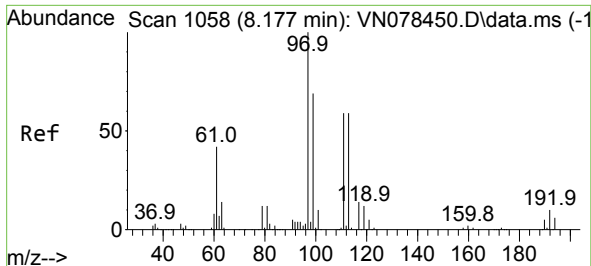
Ion Ratio Lower Upper

114 100

63 18.2 0.0 36.4

88 14.8 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.891 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. -0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

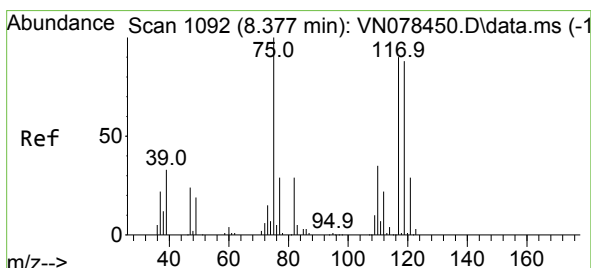
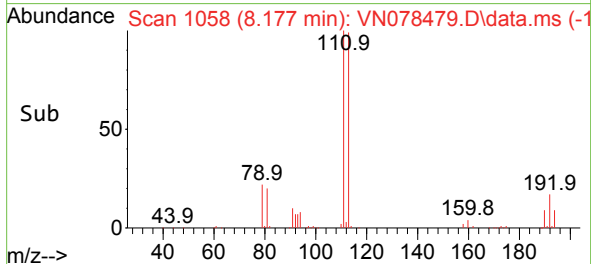
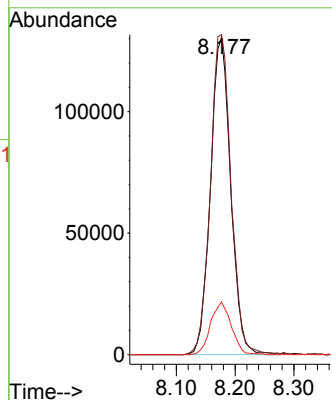
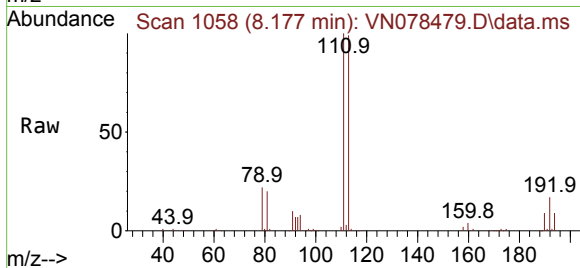
Tgt Ion:113 Resp: 311181

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 17.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 0.534 ug/l

RT: 8.388 min Scan# 1094

Delta R.T. 0.011 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

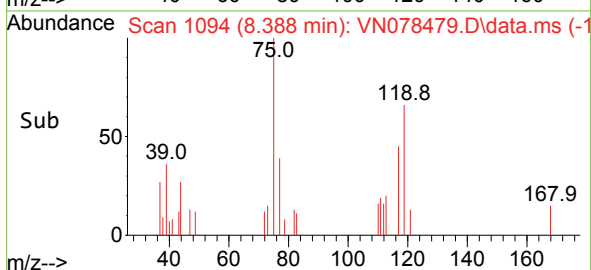
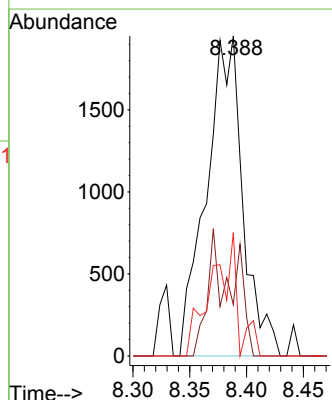
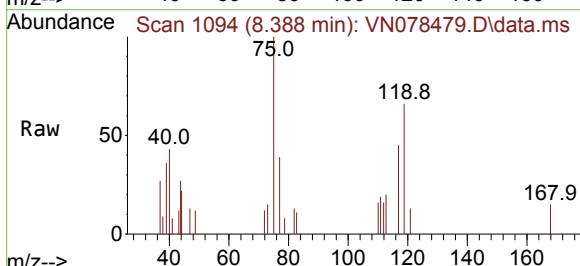
Tgt Ion: 75 Resp: 4375

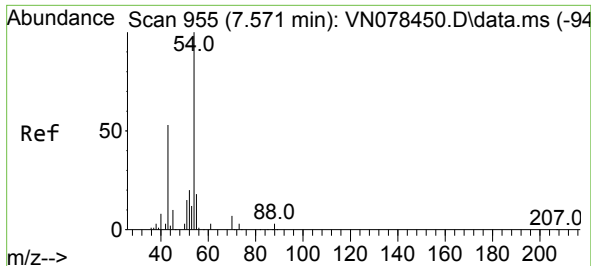
Ion Ratio Lower Upper

75 100

110 18.8 19.1 57.3#

77 27.4 25.0 37.4

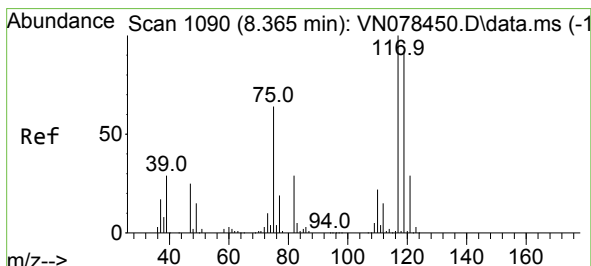
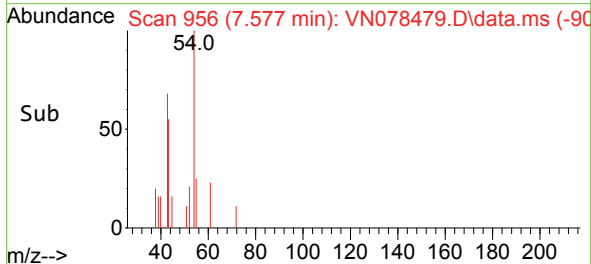
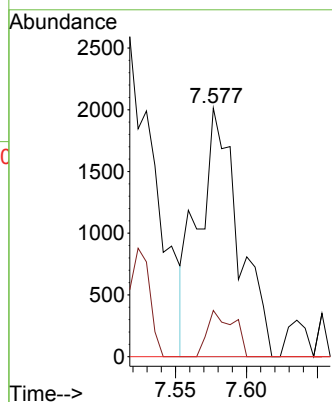
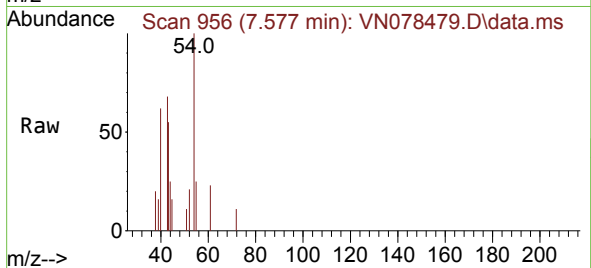




#37
Ethyl Acetate
Concen: 0.580 ug/l
RT: 7.577 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

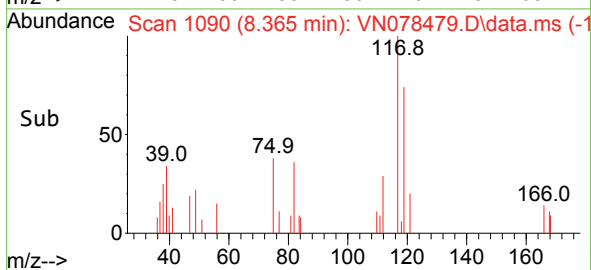
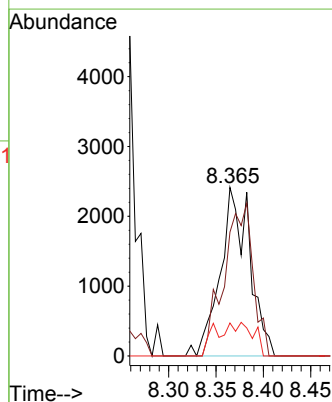
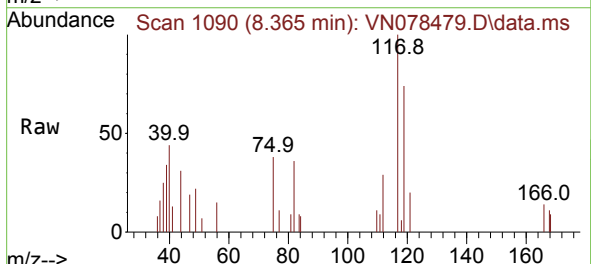
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

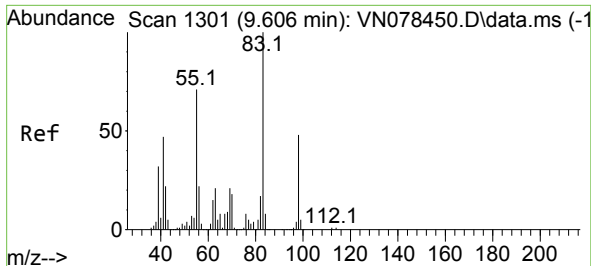
Tgt Ion: 43 Resp: 3961
Ion Ratio Lower Upper
43 100
61 12.2 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 0.588 ug/l
RT: 8.365 min Scan# 1090
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 117 Resp: 5229
Ion Ratio Lower Upper
117 100
119 73.5 77.3 115.9#
121 19.6 23.3 34.9#





#39

Methylcyclohexane

Concen: 0.528 ug/l

RT: 9.606 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN078479.D

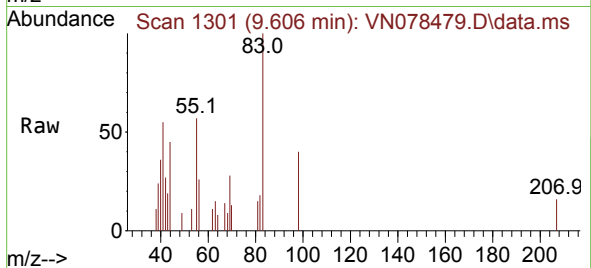
Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023



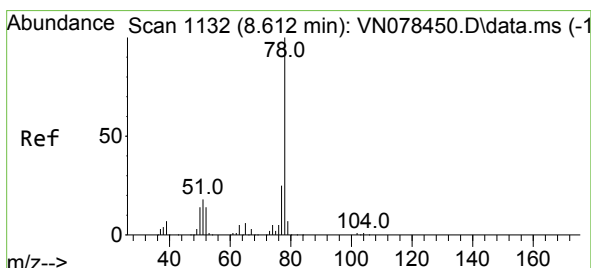
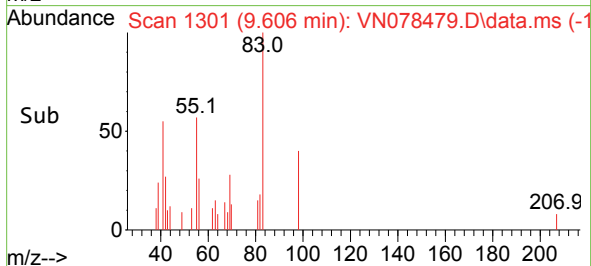
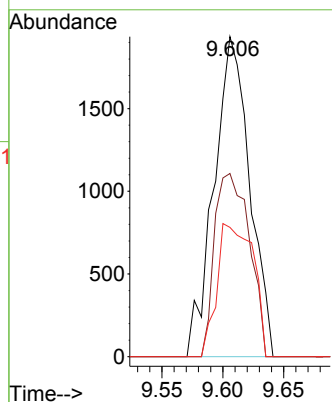
Tgt Ion: 83 Resp: 3948

Ion Ratio Lower Upper

83 100

55 57.3 49.1 73.7

98 40.4 40.6 61.0#



#40

Benzene

Concen: 0.477 ug/l

RT: 8.618 min Scan# 1133

Delta R.T. 0.006 min

Lab File: VN078479.D

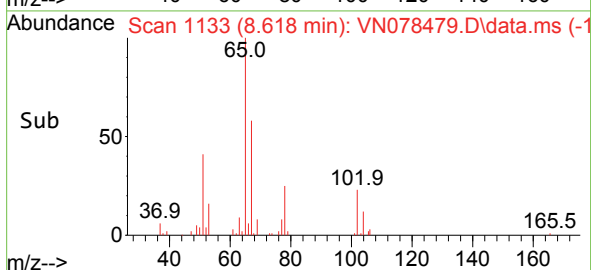
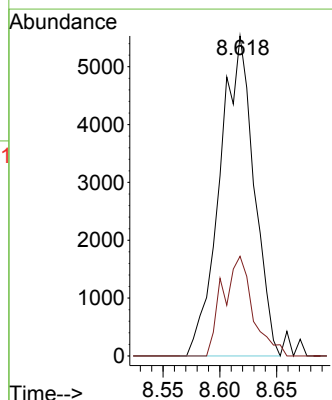
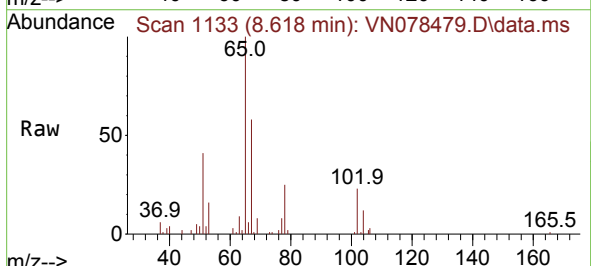
Acq: 12 Jul 2023 14:04

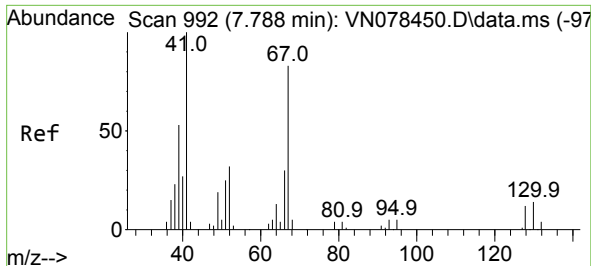
Tgt Ion: 78 Resp: 11578

Ion Ratio Lower Upper

78 100

77 31.1 19.0 28.6#

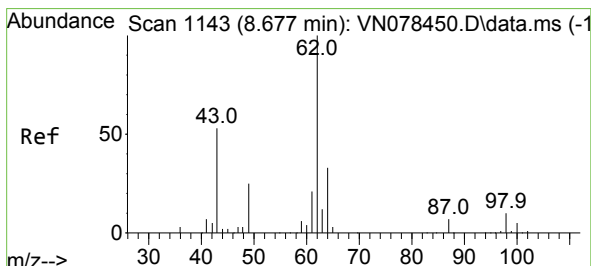
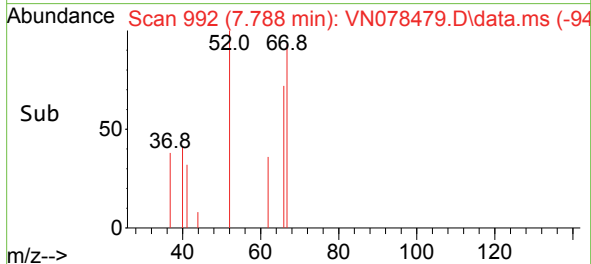
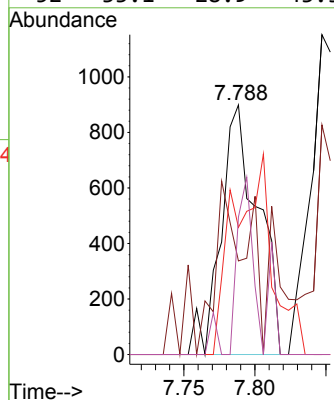
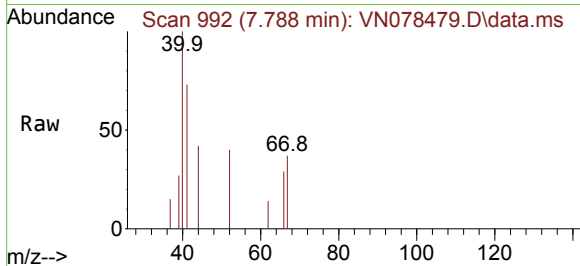




#41
Methacrylonitrile
Concen: 0.469 ug/l
RT: 7.788 min Scan# 992
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

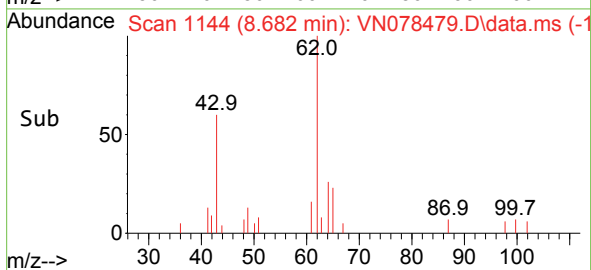
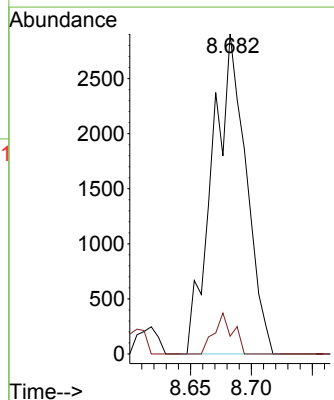
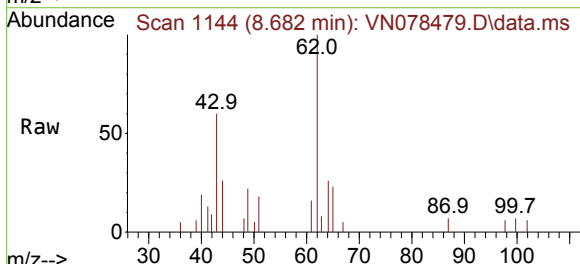
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

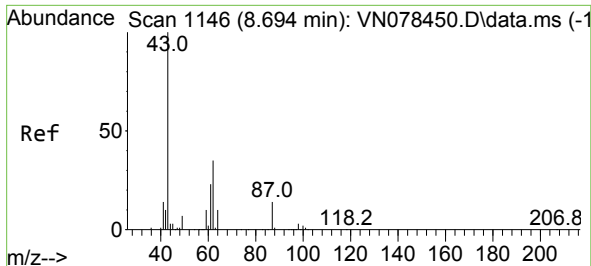
Tgt Ion: 41	Resp: 1631
Ion Ratio	Lower Upper
41 100	
39 46.1	42.6 64.0
67 0.0	77.5 116.3#
52 33.1	28.9 43.3



#42
1,2-Dichloroethane
Concen: 0.676 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. 0.005 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 62	Resp: 5576
Ion Ratio	Lower Upper
62 100	
98 7.2	0.0 19.8

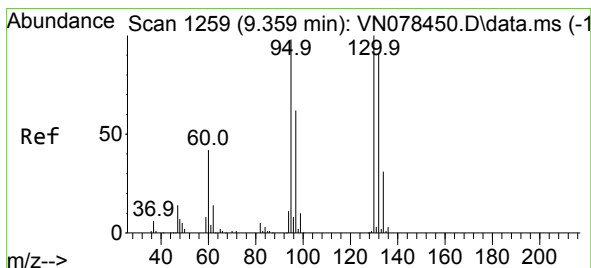
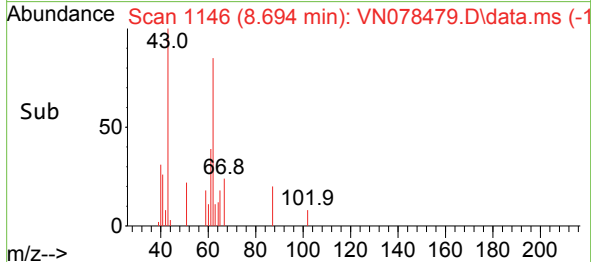
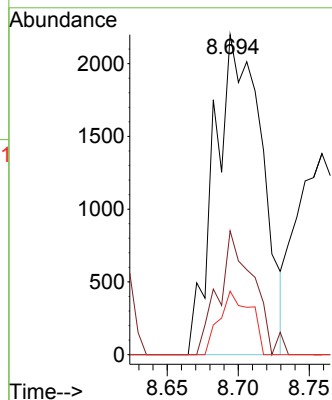
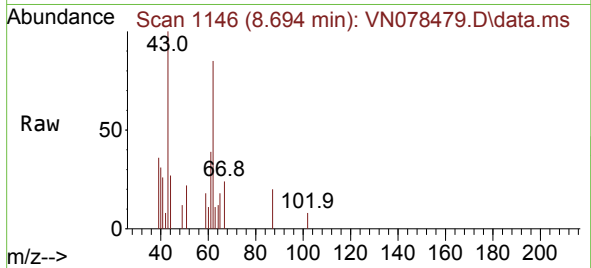




#43
Isopropyl Acetate
Concen: 0.454 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

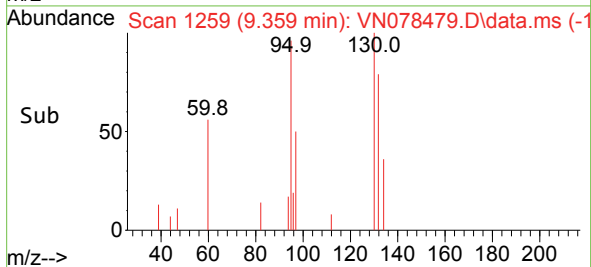
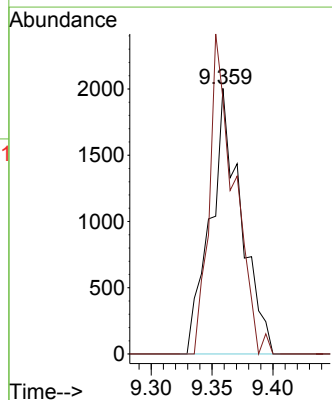
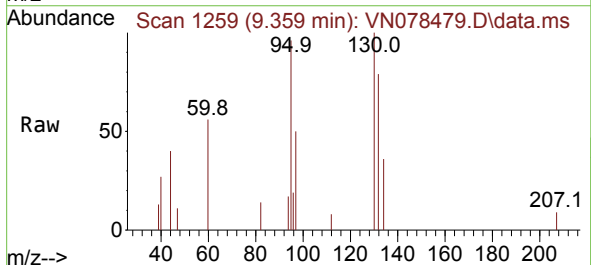
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023

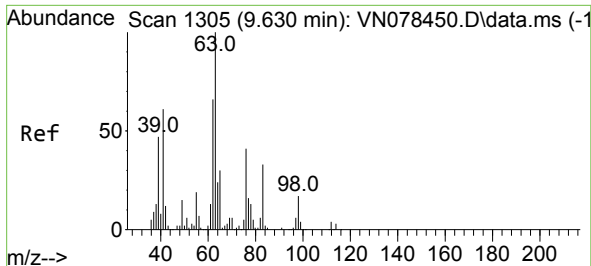
Tgt Ion: 43 Resp: 5099
Ion Ratio Lower Upper
43 100
61 28.5 24.7 37.1
87 13.0 14.6 21.8#



#44
Trichloroethene
Concen: 0.534 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion:130 Resp: 3488
Ion Ratio Lower Upper
130 100
95 96.2 0.0 204.6

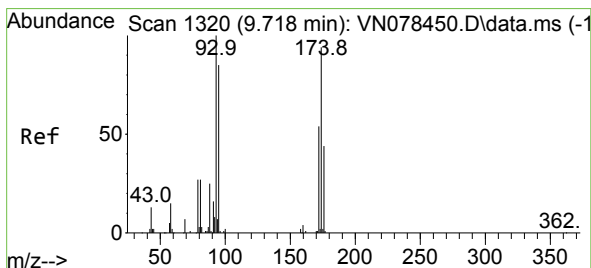
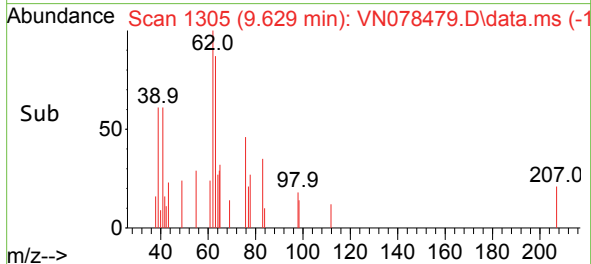
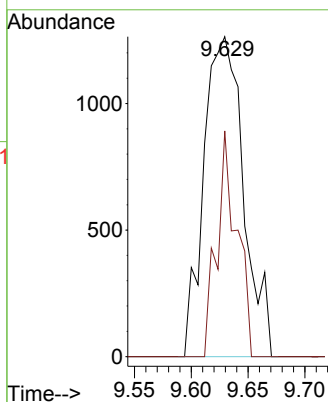
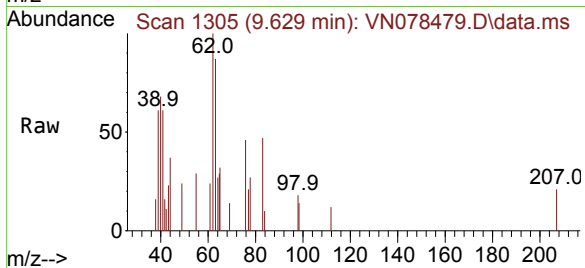




#45
1,2-Dichloropropane
Concen: 0.500 ug/l
RT: 9.629 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

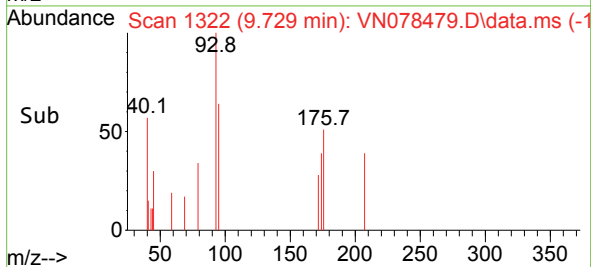
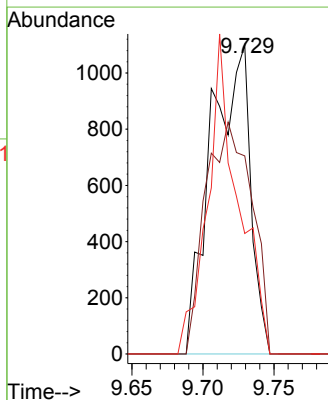
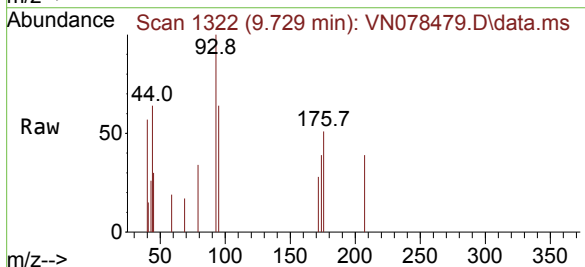
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

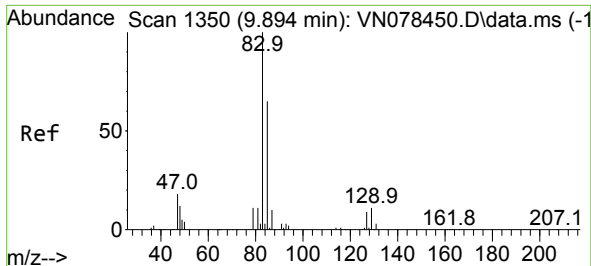
Tgt Ion: 63 Resp: 3070
Ion Ratio Lower Upper
63 100
65 70.6 23.9 35.9#



#46
Dibromomethane
Concen: 0.489 ug/l
RT: 9.729 min Scan# 1322
Delta R.T. 0.011 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 93 Resp: 2113
Ion Ratio Lower Upper
93 100
95 88.6 63.8 95.8
174 80.2 65.6 98.4

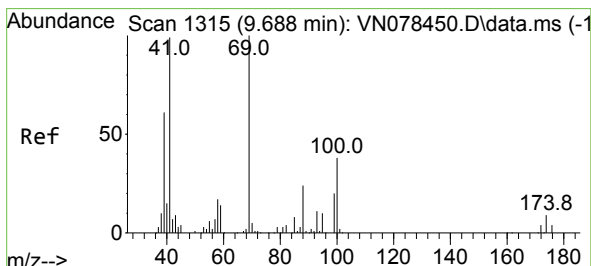
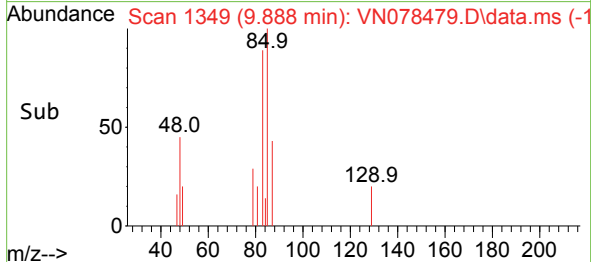
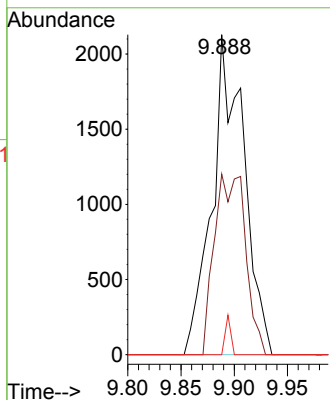
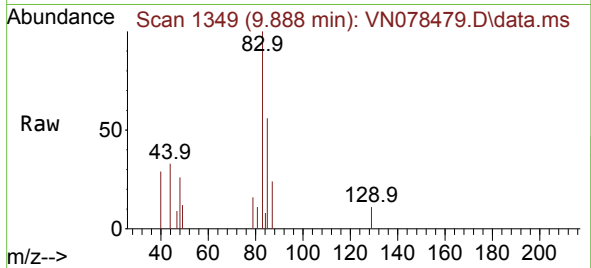




#47
Bromodichloromethane
Concen: 0.512 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

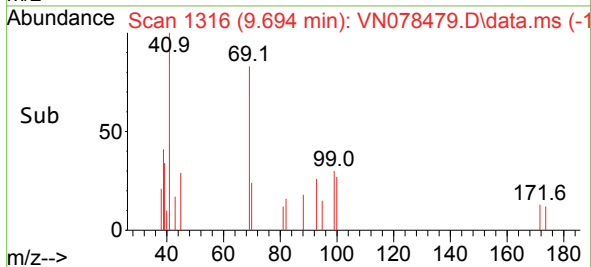
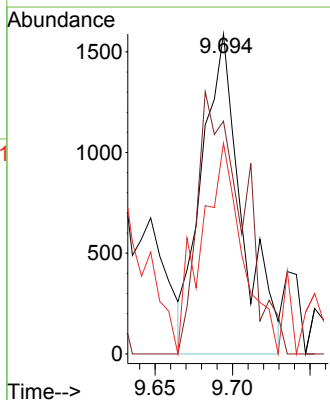
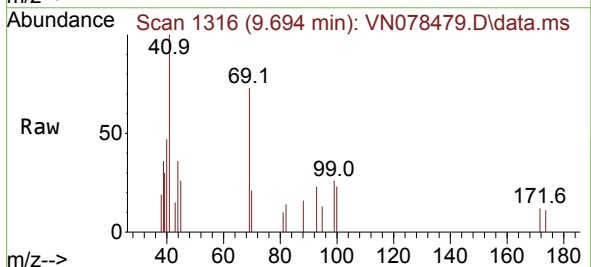
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023

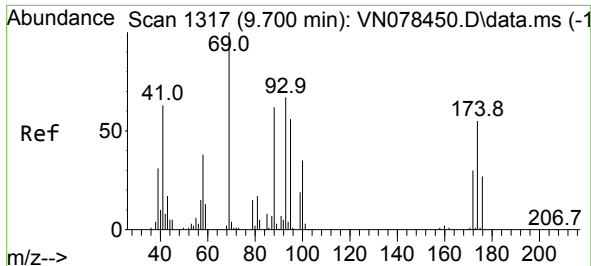
Tgt Ion: 83 Resp: 4438
Ion Ratio Lower Upper
83 100
85 56.5 49.6 74.4
127 0.0 7.0 10.6#



#48
Methyl methacrylate
Concen: 0.548 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 41 Resp: 2853
Ion Ratio Lower Upper
41 100
69 92.4 90.4 135.6
39 67.6 54.6 81.8

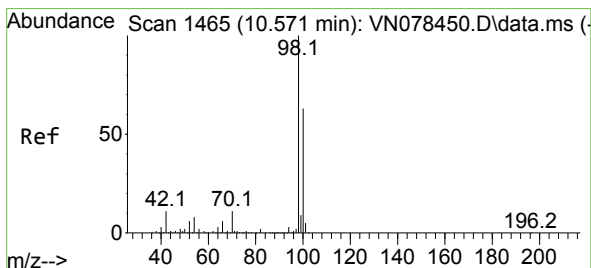
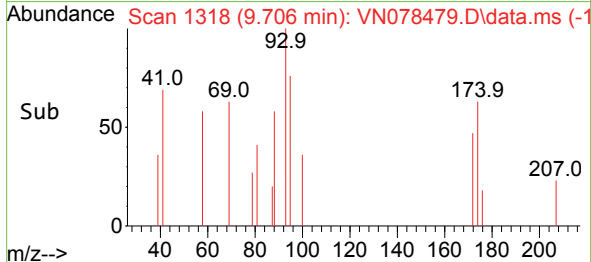
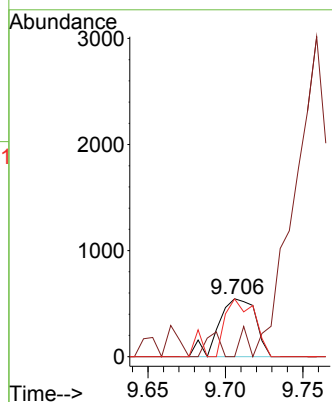
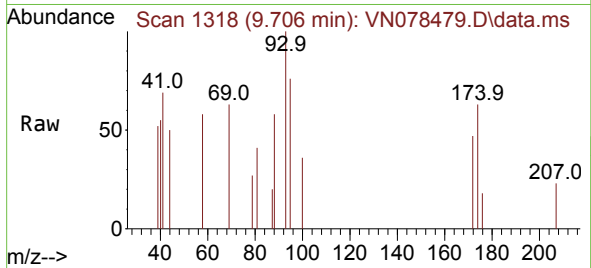




#49
1,4-Dioxane
Concen: 8.000 ug/l
RT: 9.706 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

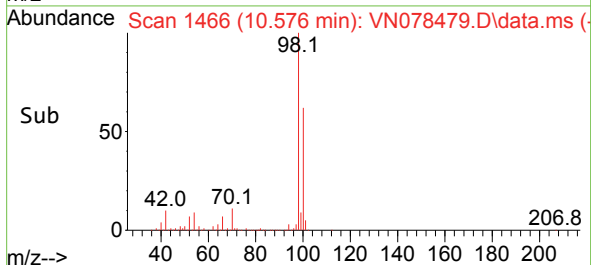
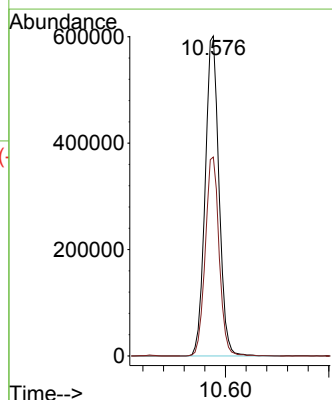
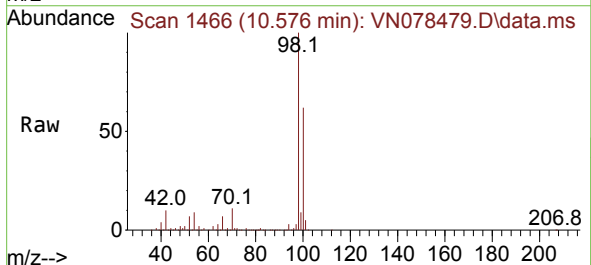
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

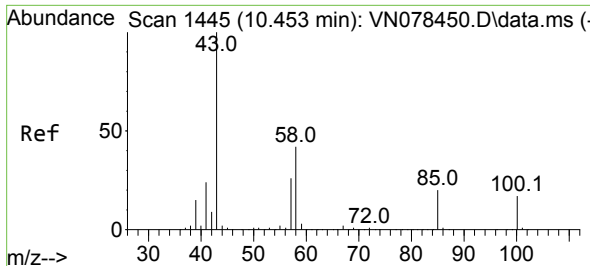
Tgt Ion: 88 Resp: 908
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 78.6 47.0 70.4#



#50
Toluene-d8
Concen: 52.106 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. 0.005 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 98 Resp: 1115894
Ion Ratio Lower Upper
98 100
100 62.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 2.292 ug/l

RT: 10.459 min Scan# 1445

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

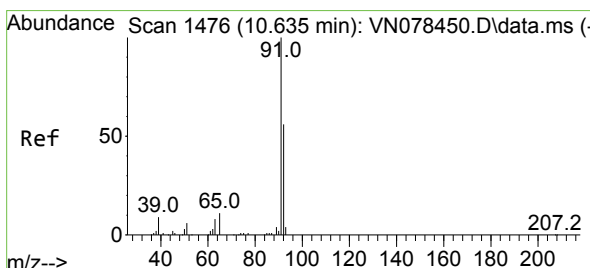
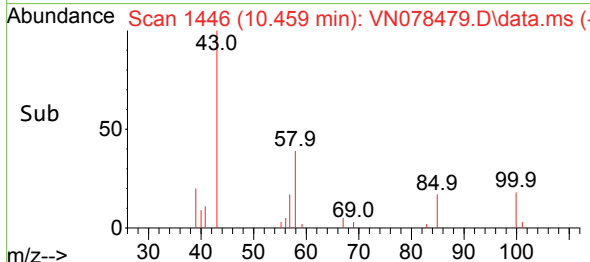
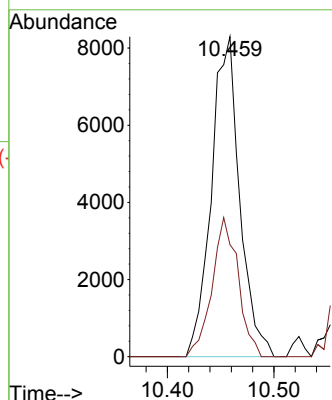
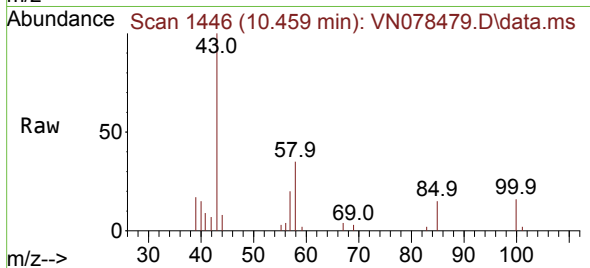
MDL-WATER-03-QT3-2023

Tgt Ion: 43 Resp: 15316

Ion Ratio Lower Upper

43 100

58 40.0 36.6 54.8



#52

Toluene

Concen: 0.547 ug/l

RT: 10.635 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VN078479.D

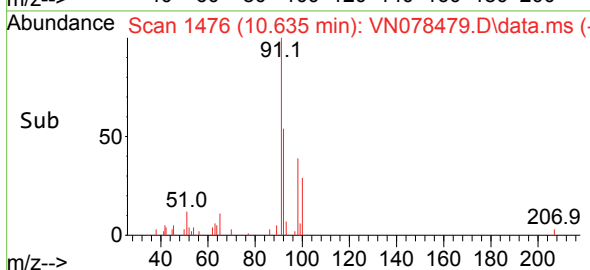
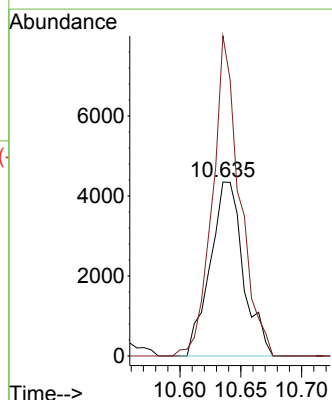
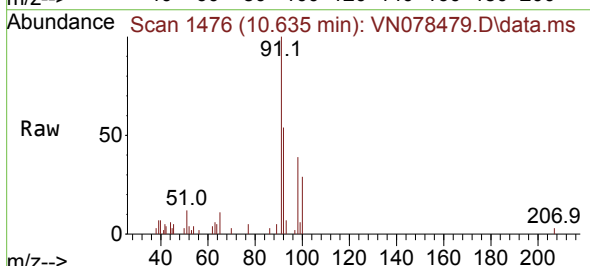
Acq: 12 Jul 2023 14:04

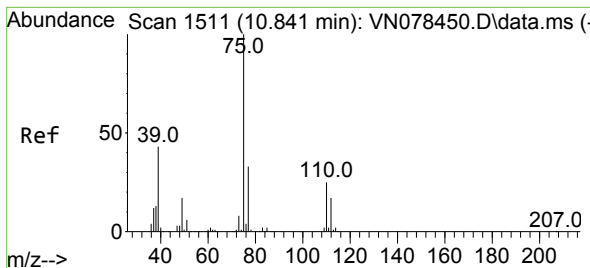
Tgt Ion: 92 Resp: 8223

Ion Ratio Lower Upper

92 100

91 151.7 137.4 206.0





#53

t-1,3-Dichloropropene

Concen: 0.476 ug/l

RT: 10.841 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

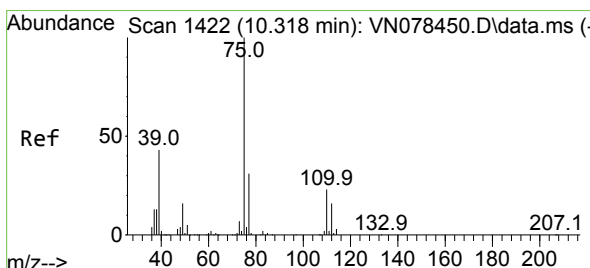
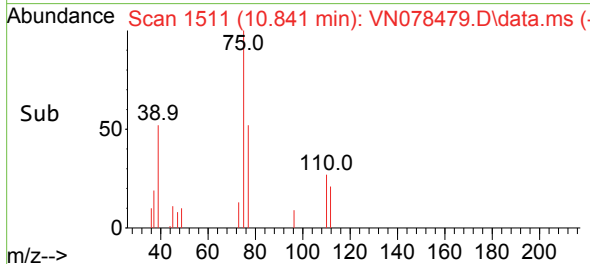
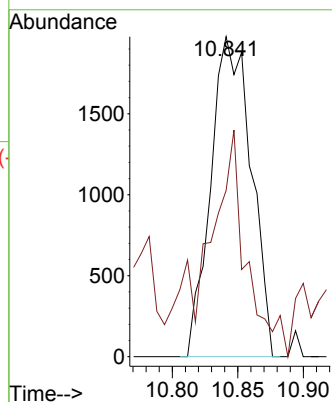
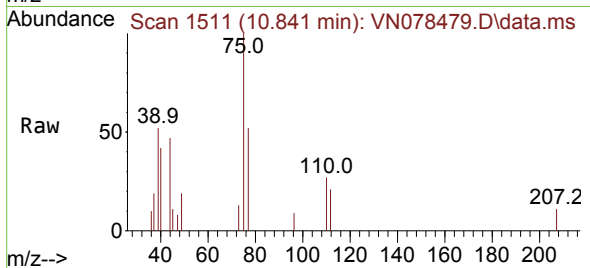
MDL-WATER-03-QT3-2023

Tgt Ion: 75 Resp: 4224

Ion Ratio Lower Upper

75 100

77 39.1 25.4 38.0#



#54

cis-1,3-Dichloropropene

Concen: 0.442 ug/l

RT: 10.318 min Scan# 1422

Delta R.T. -0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

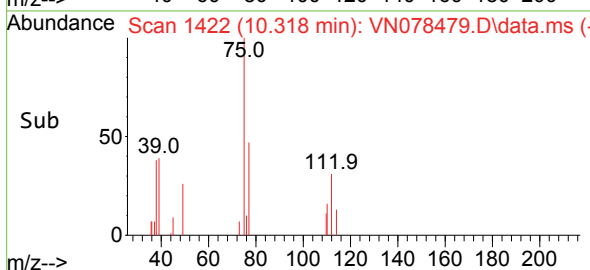
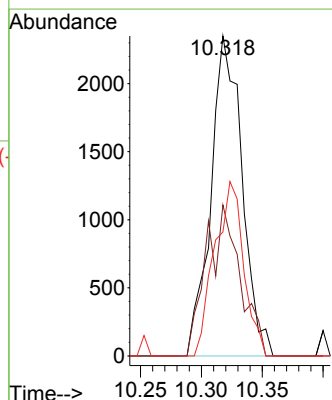
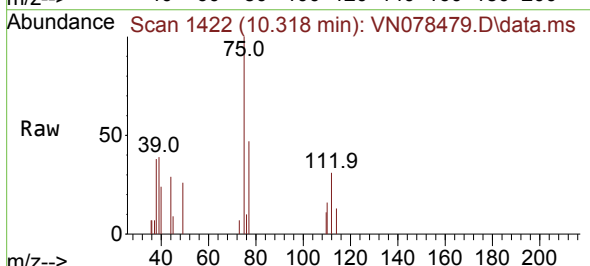
Tgt Ion: 75 Resp: 4183

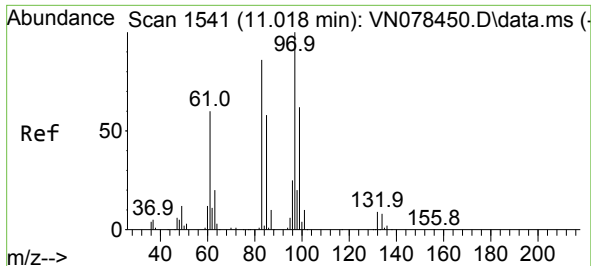
Ion Ratio Lower Upper

75 100

77 47.2 26.1 39.1#

39 38.7 31.6 47.4

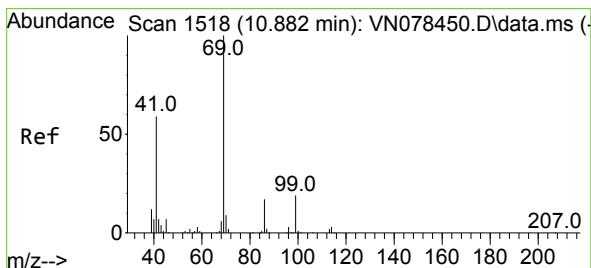
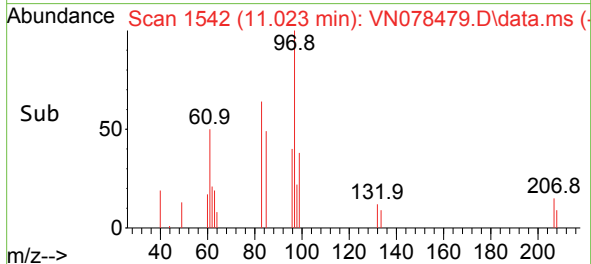
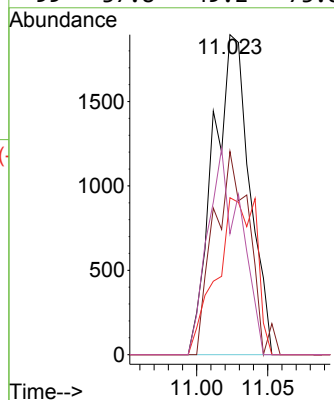
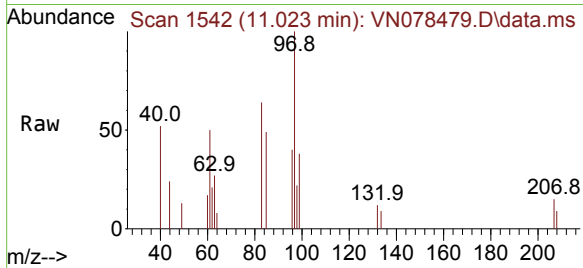




#55
1,1,2-Trichloroethane
Concen: 0.570 ug/l
RT: 11.023 min Scan# 1542
Delta R.T. 0.005 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

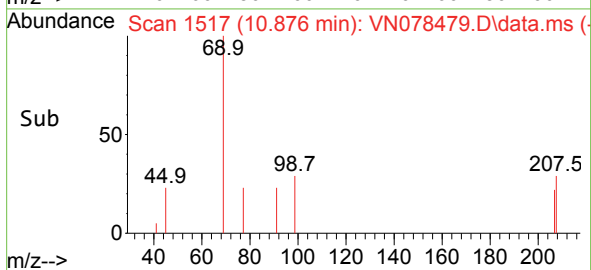
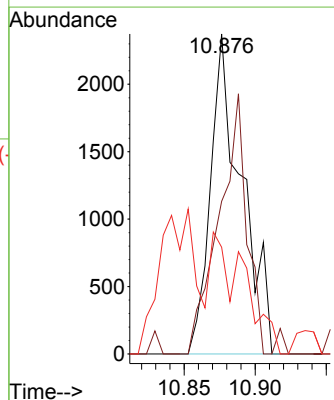
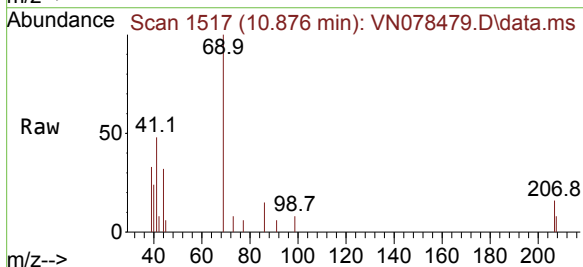
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

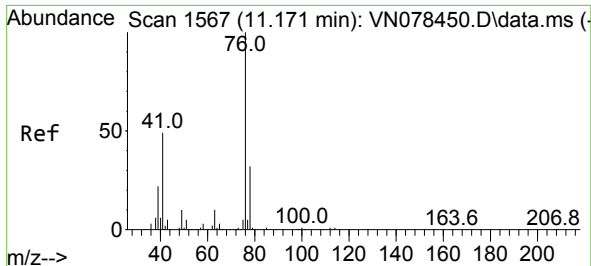
Tgt Ion:	97	Resp:	3378
Ion	Ratio	Lower	Upper
97	100		
83	63.5	65.1	97.7#
85	49.1	43.4	65.2
99	37.8	49.2	73.8#



#56
Ethyl methacrylate
Concen: 0.435 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion:	69	Resp:	3597
Ion	Ratio	Lower	Upper
69	100		
41	72.8	39.6	59.4#
39	10.4	28.6	43.0#

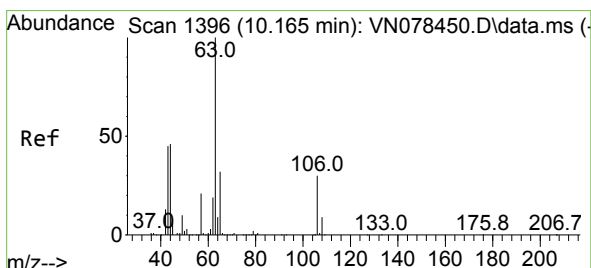
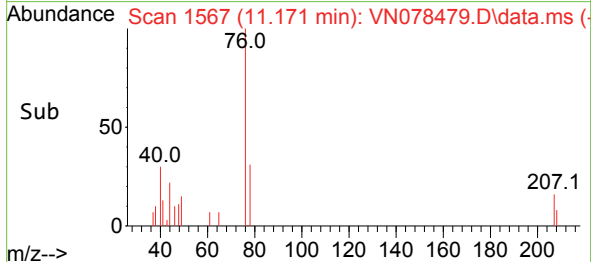
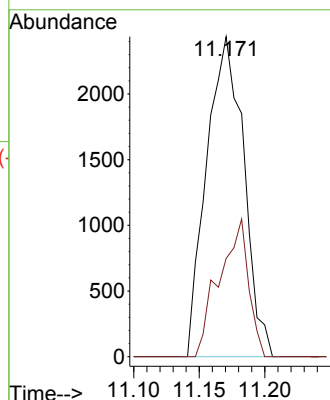
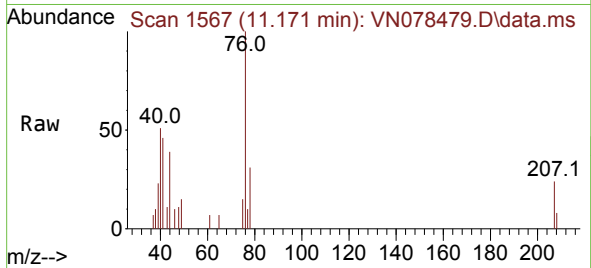




#57
1,3-Dichloropropane
Concen: 0.476 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

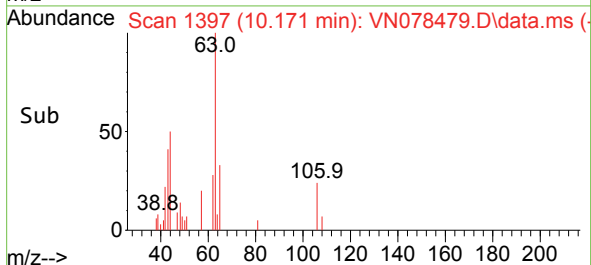
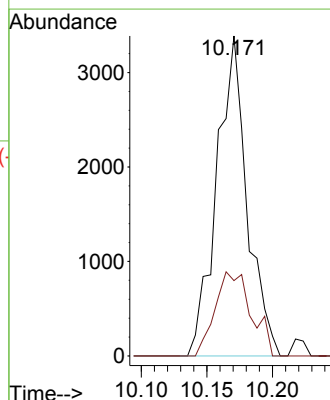
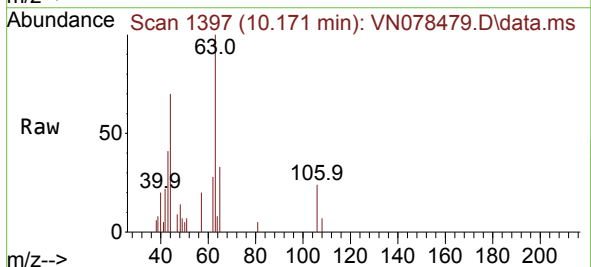
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

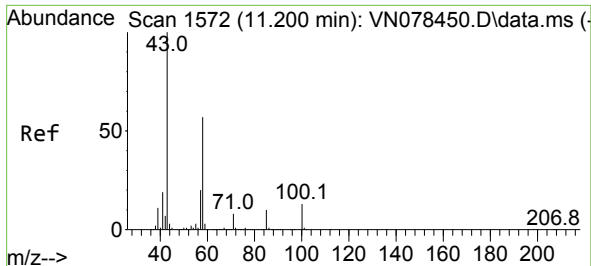
Tgt Ion: 76 Resp: 4794
Ion Ratio Lower Upper
76 100
78 33.9 26.1 39.1



#58
2-Chloroethyl Vinyl ether
Concen: 1.852 ug/l
RT: 10.171 min Scan# 1397
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 63 Resp: 5464
Ion Ratio Lower Upper
63 100
106 31.2 26.2 39.4

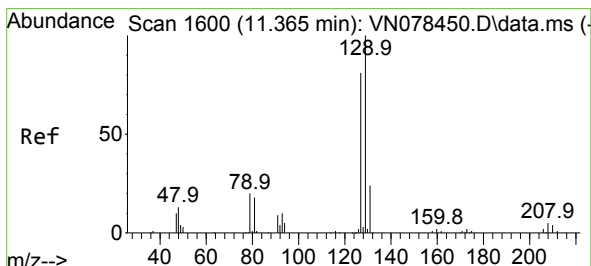
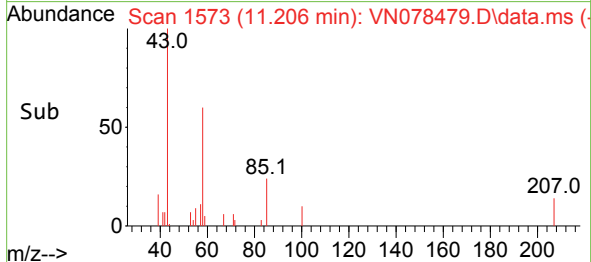
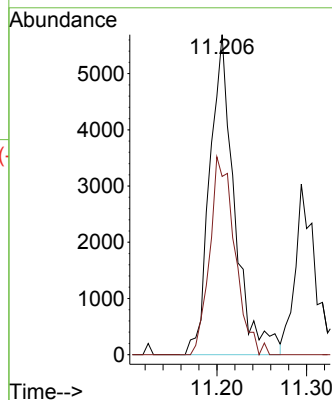
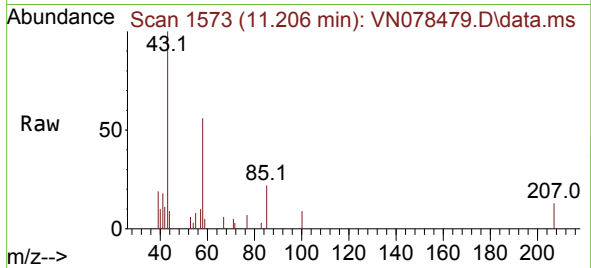




#59
2-Hexanone
Concen: 2.283 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

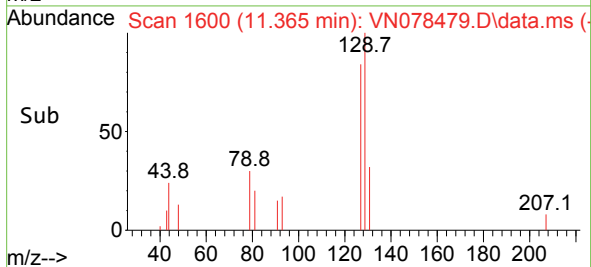
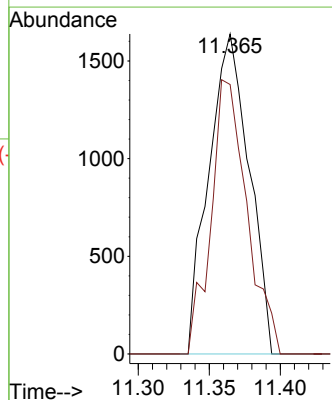
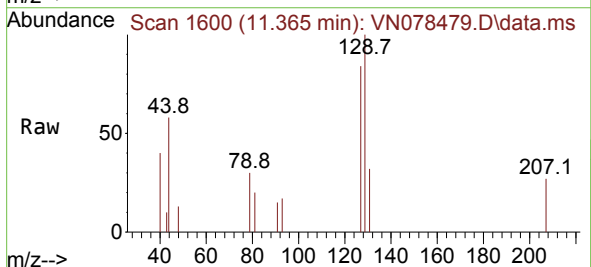
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

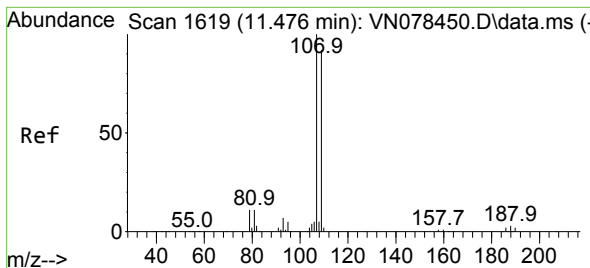
Tgt Ion: 43 Resp: 10840
Ion Ratio Lower Upper
43 100
58 63.1 31.7 95.1



#60
Dibromochloromethane
Concen: 0.493 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 129 Resp: 3226
Ion Ratio Lower Upper
129 100
127 76.5 38.6 116.0





#61

1,2-Dibromoethane

Concen: 0.462 ug/l

RT: 11.470 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

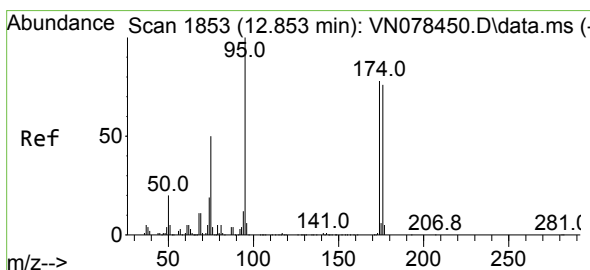
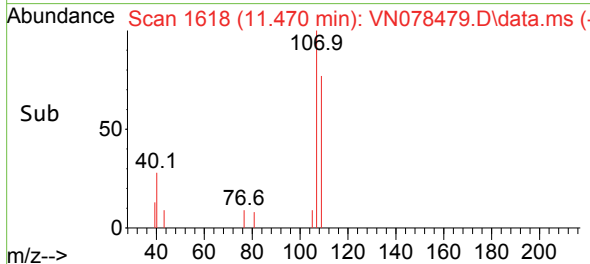
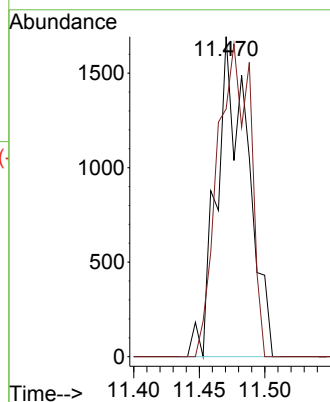
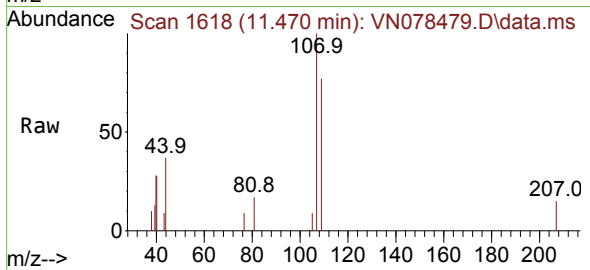
MDL-WATER-03-QT3-2023

Tgt Ion:107 Resp: 2817

Ion Ratio Lower Upper

107 100

109 102.2 76.6 114.8



#62

4-Bromofluorobenzene

Concen: 47.726 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

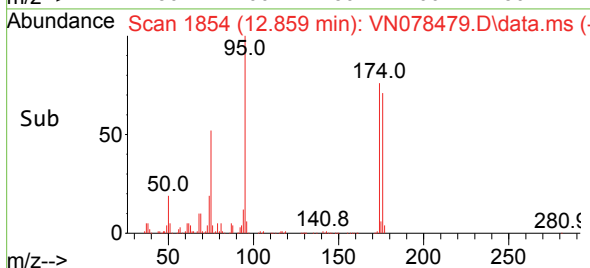
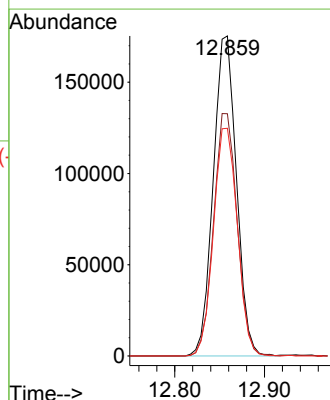
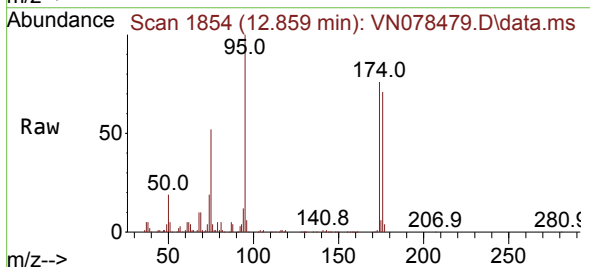
Tgt Ion: 95 Resp: 314826

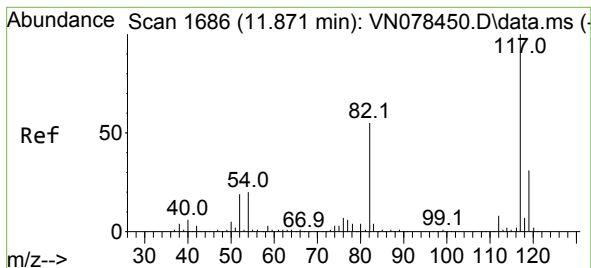
Ion Ratio Lower Upper

95 100

174 77.0 0.0 143.8

176 73.3 0.0 135.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.870 min Scan# 1

Delta R.T. -0.001 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

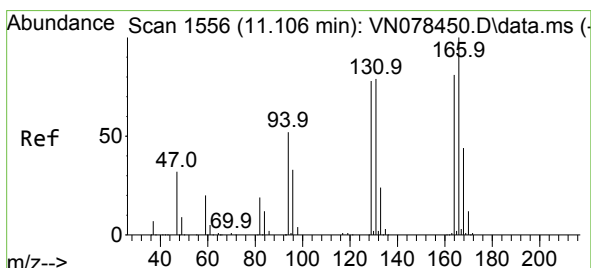
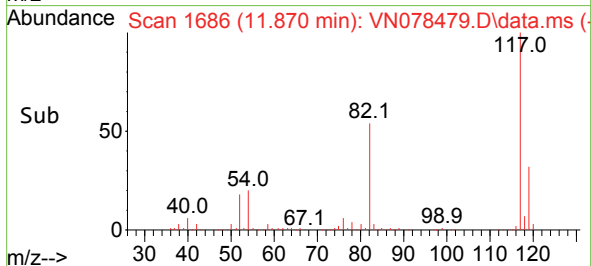
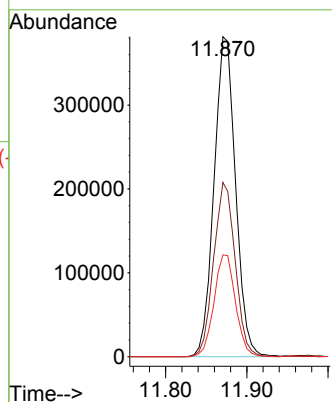
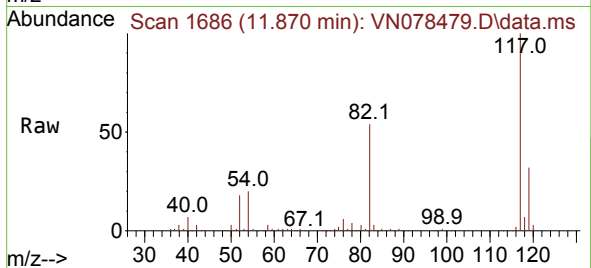
Tgt Ion:117 Resp: 702722

Ion Ratio Lower Upper

117 100

82 54.4 44.0 66.0

119 31.8 25.6 38.4



#64

Tetrachloroethene

Concen: 0.548 ug/l

RT: 11.112 min Scan# 1557

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Tgt Ion:164 Resp: 2894

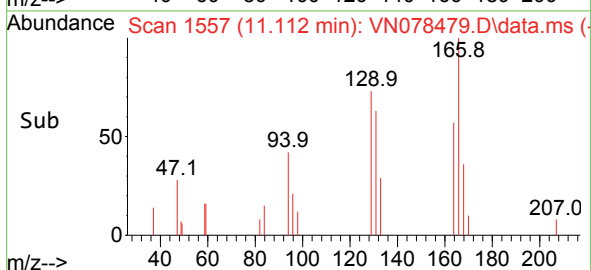
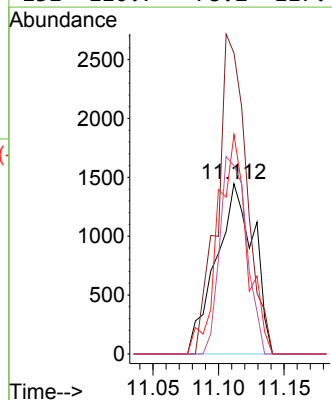
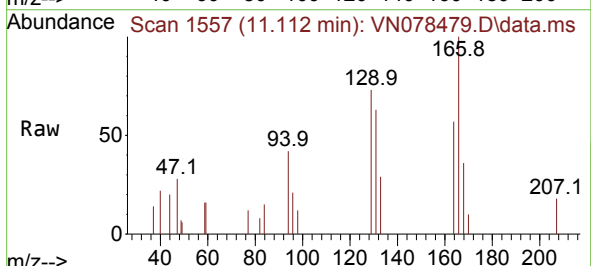
Ion Ratio Lower Upper

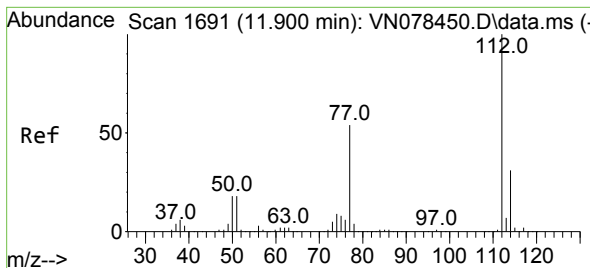
164 100

166 176.8 101.4 152.0#

129 128.8 82.4 123.6#

131 110.7 78.2 117.4





#65

Chlorobenzene

Concen: 0.561 ug/l

RT: 11.894 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

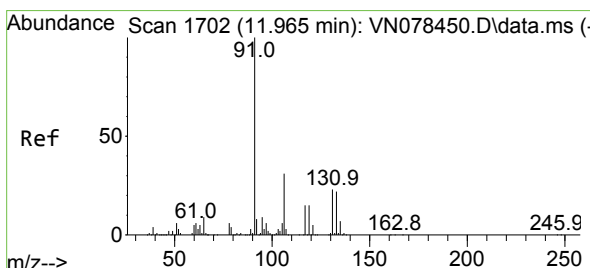
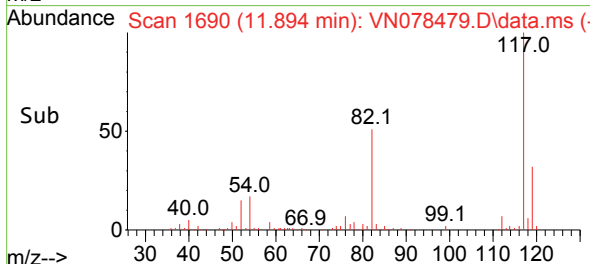
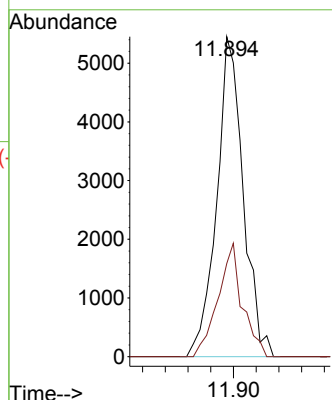
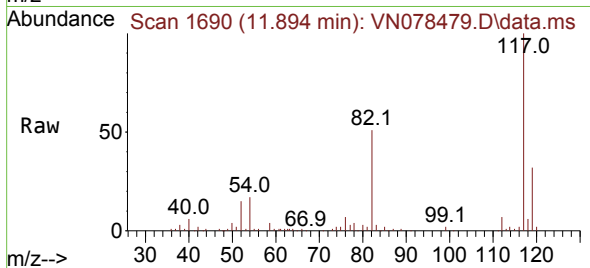
MDL-WATER-03-QT3-2023

Tgt Ion:112 Resp: 8810

Ion Ratio Lower Upper

112 100

114 29.1 25.0 37.4



#66

1,1,1,2-Tetrachloroethane

Concen: 0.469 ug/l

RT: 11.970 min Scan# 1703

Delta R.T. 0.005 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

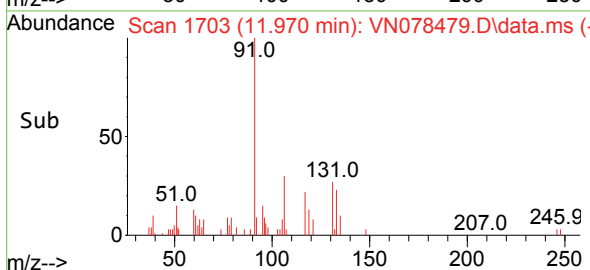
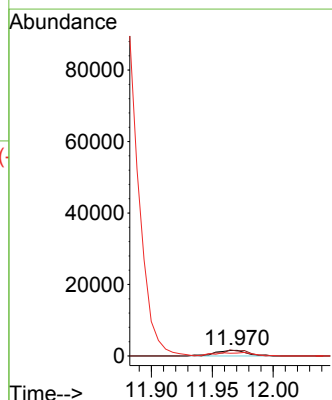
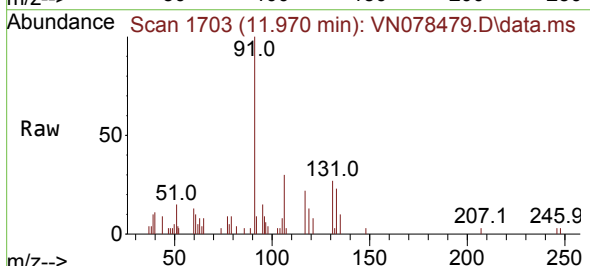
Tgt Ion:131 Resp: 2833

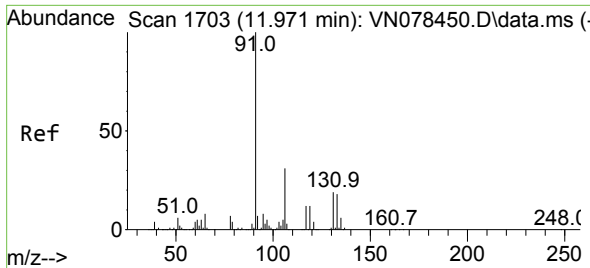
Ion Ratio Lower Upper

131 100

133 102.8 46.4 139.1

119 0.0 34.1 102.2#





#67

Ethyl Benzene

Concen: 0.449 ug/l

RT: 11.965 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

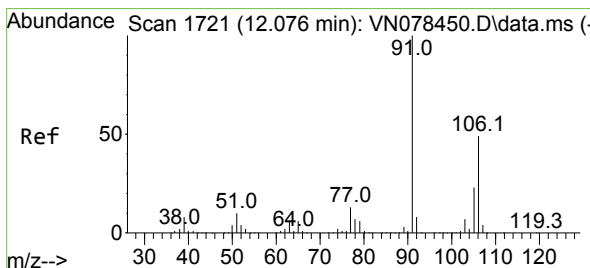
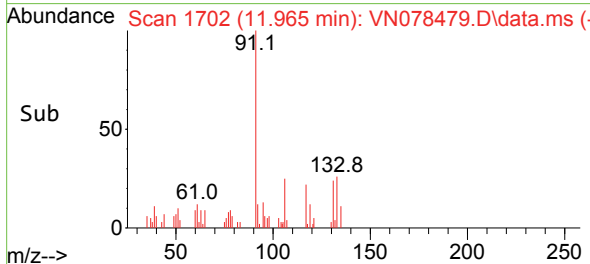
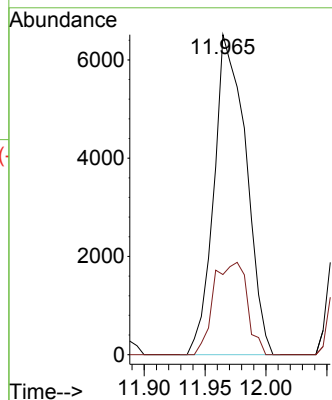
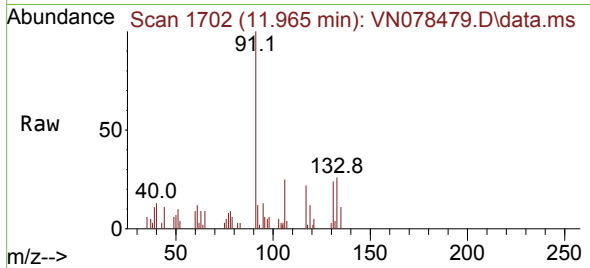
MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 11919

Ion Ratio Lower Upper

91 100

106 25.1 25.6 38.4#



#68

m/p-Xylenes

Concen: 0.968 ug/l

RT: 12.082 min Scan# 1722

Delta R.T. 0.006 min

Lab File: VN078479.D

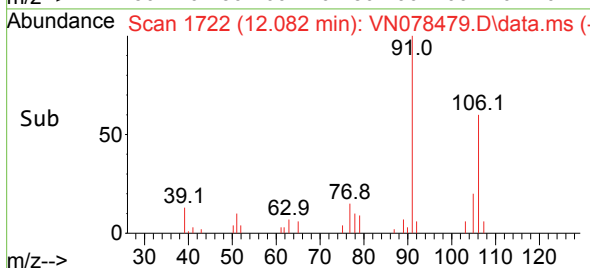
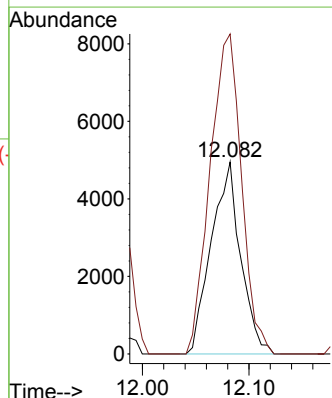
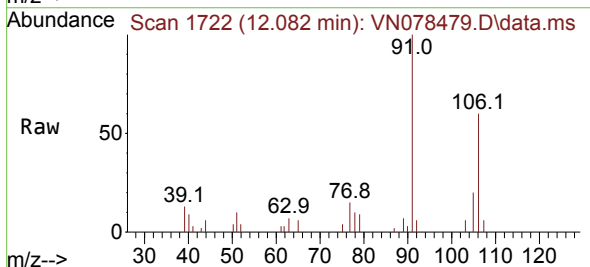
Acq: 12 Jul 2023 14:04

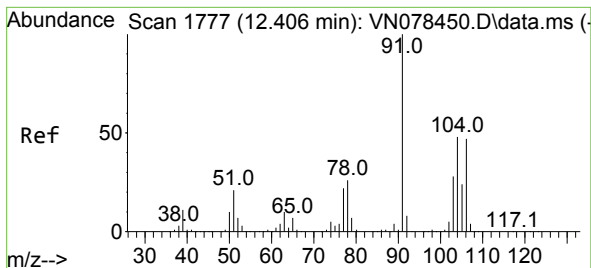
Tgt Ion: 106 Resp: 9502

Ion Ratio Lower Upper

106 100

91 178.1 159.6 239.4





#69

o-Xylene

Concen: 0.491 ug/l

RT: 12.400 min Scan# 1777

Delta R.T. -0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

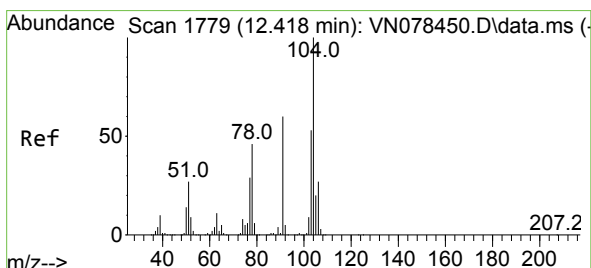
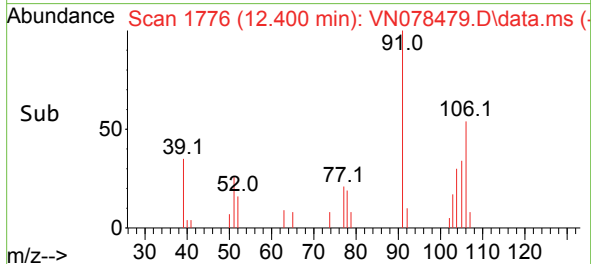
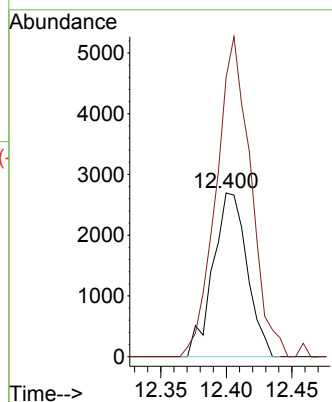
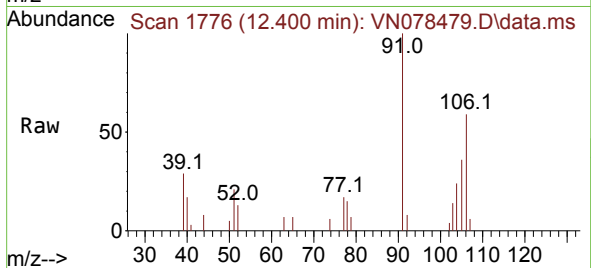
MDL-WATER-03-QT3-2023

Tgt Ion:106 Resp: 4867

Ion Ratio Lower Upper

106 100

91 198.4 105.2 315.5



#70

Styrene

Concen: 0.437 ug/l

RT: 12.417 min Scan# 1779

Delta R.T. -0.001 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

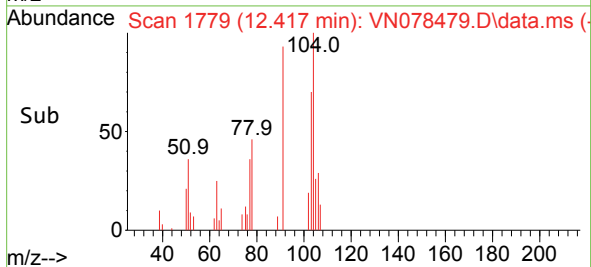
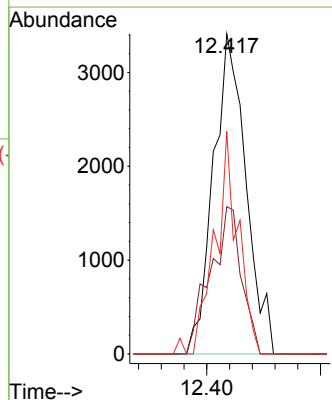
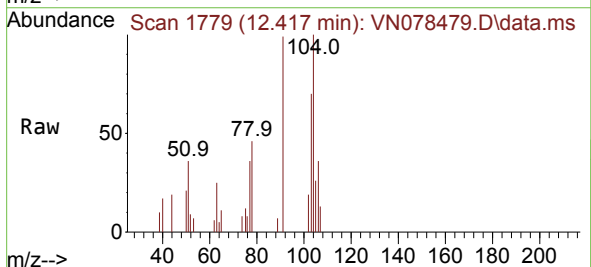
Tgt Ion:104 Resp: 6778

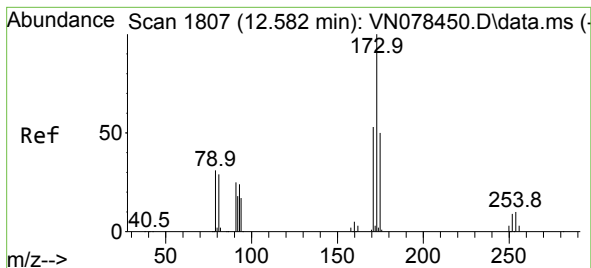
Ion Ratio Lower Upper

104 100

78 44.3 39.5 59.3

103 49.9 43.2 64.8





#71

Bromoform

Concen: 0.487 ug/l

RT: 12.588 min Scan# 1807

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

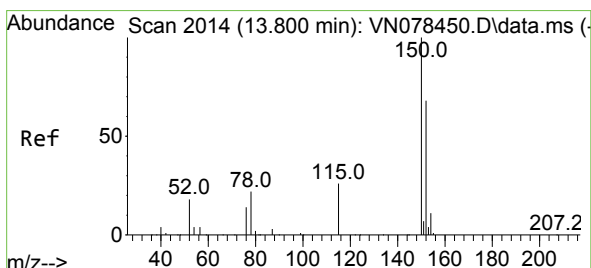
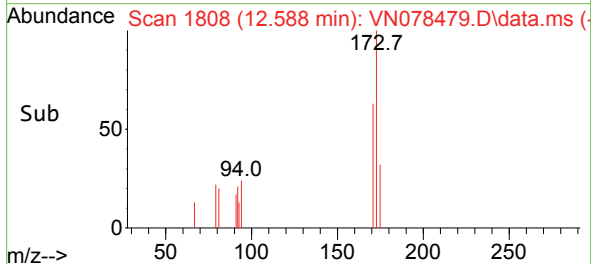
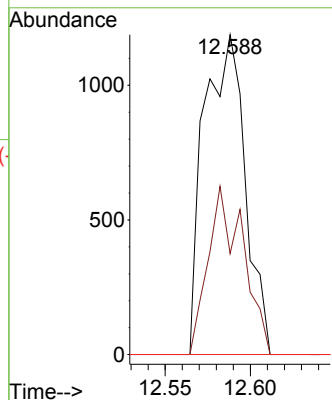
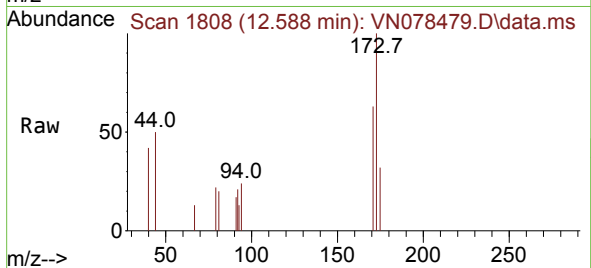
Tgt Ion:173 Resp: 1995

Ion Ratio Lower Upper

173 100

175 44.7 24.3 73.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 2014

Delta R.T. -0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

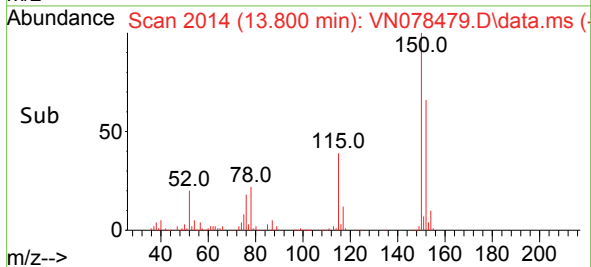
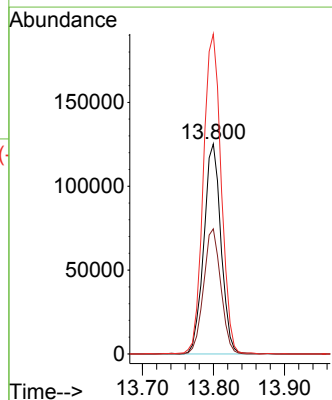
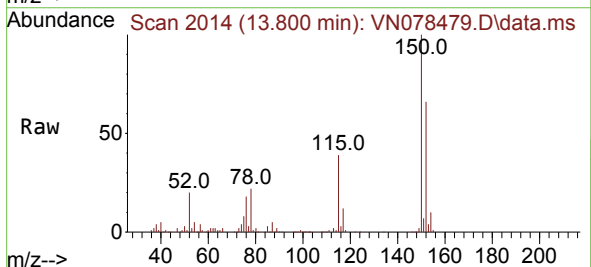
Tgt Ion:152 Resp: 210800

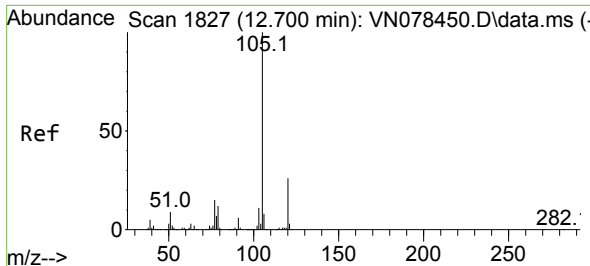
Ion Ratio Lower Upper

152 100

115 59.8 32.3 96.8

150 158.1 0.0 355.8

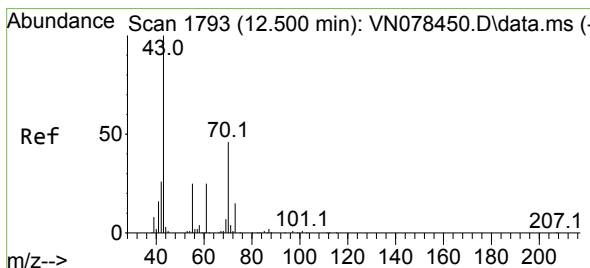
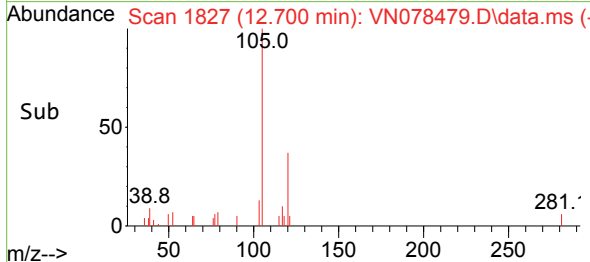
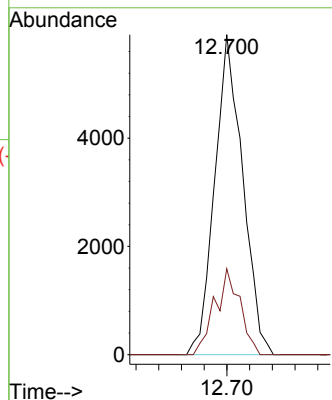
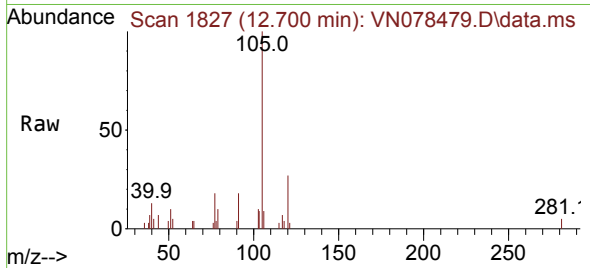




#73
Isopropylbenzene
Concen: 0.509 ug/l
RT: 12.700 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

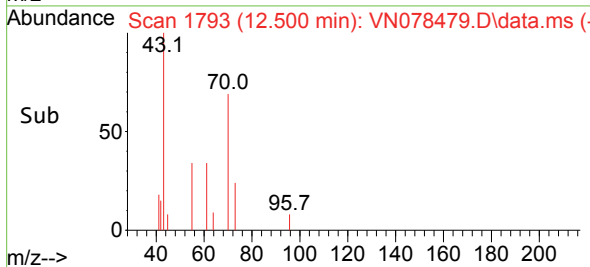
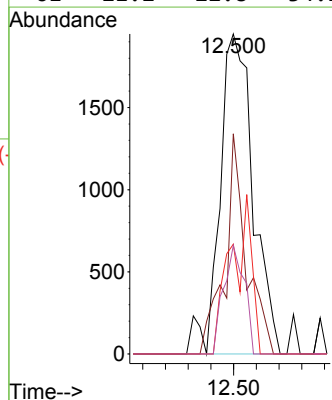
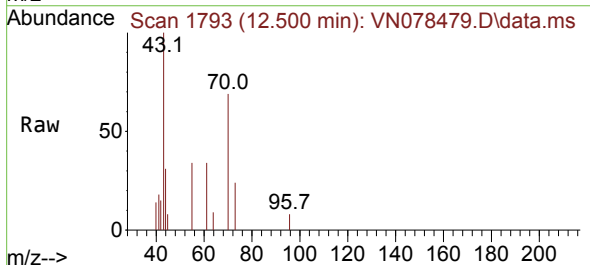
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

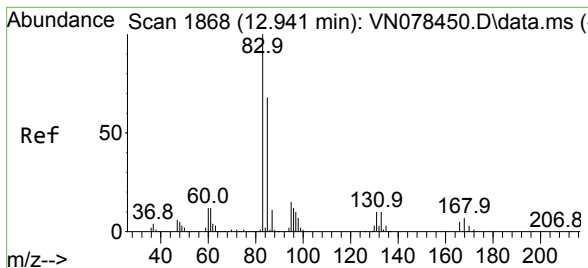
Tgt Ion:105 Resp: 10079
Ion Ratio Lower Upper
105 100
120 24.1 13.1 39.1



#74
N-ethyl acetate
Concen: 0.581 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 43 Resp: 3963
Ion Ratio Lower Upper
43 100
70 43.9 43.4 65.2
55 18.2 21.4 32.0#
61 21.2 22.8 34.2#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.576 ug/l

RT: 12.947 min Scan# 1868

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

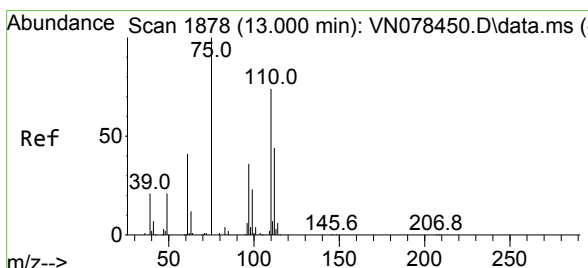
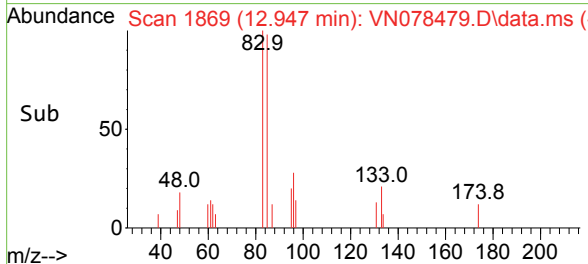
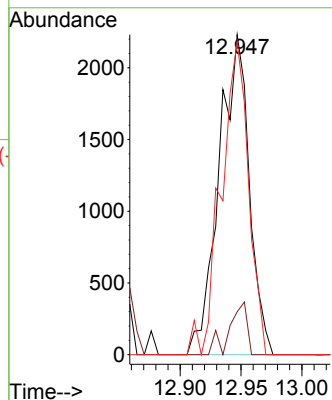
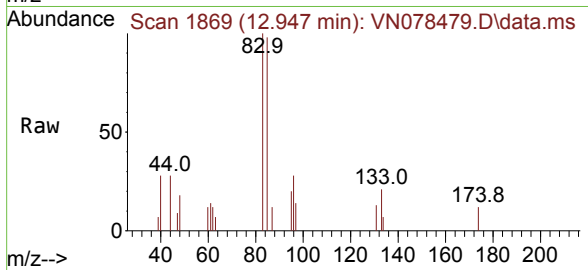
Tgt Ion: 83 Resp: 3855

Ion Ratio Lower Upper

83 100

131 9.5 5.0 15.0

85 88.9 31.9 95.7



#76

1,2,3-Trichloropropane

Concen: 32.056 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN078479.D

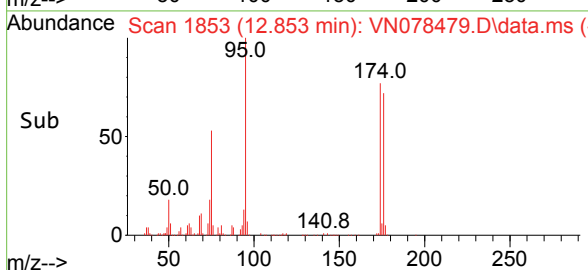
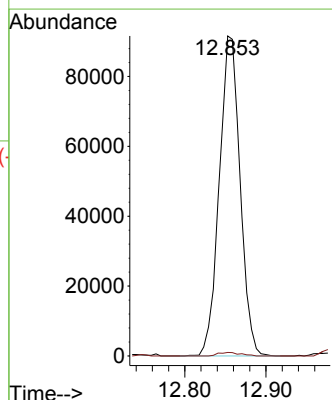
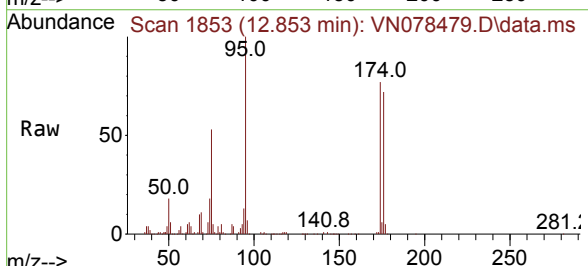
Acq: 12 Jul 2023 14:04

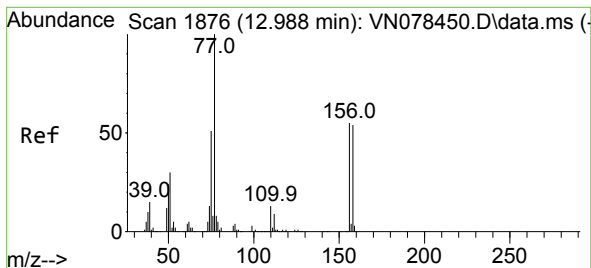
Tgt Ion: 75 Resp: 163337

Ion Ratio Lower Upper

75 100

77 1.2 84.5 253.5#





#77

Bromobenzene

Concen: 0.541 ug/l

RT: 12.982 min Scan# 1875

Delta R.T. -0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

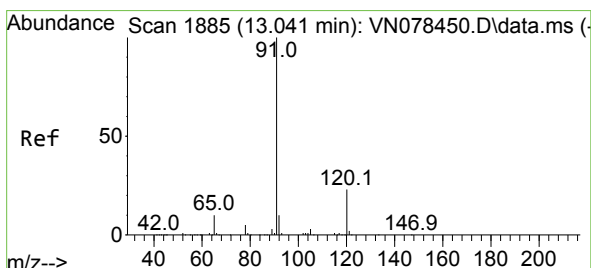
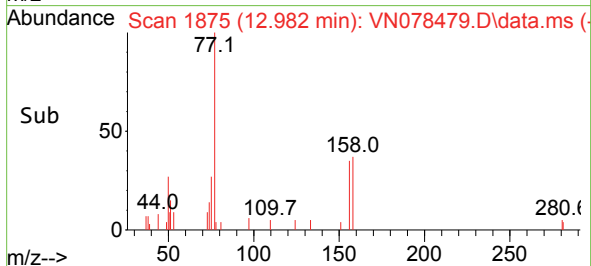
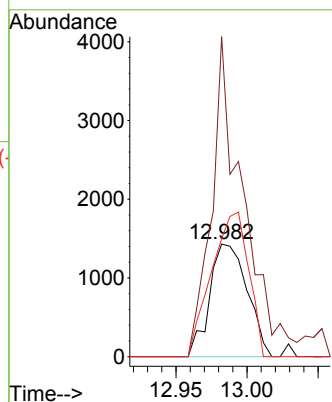
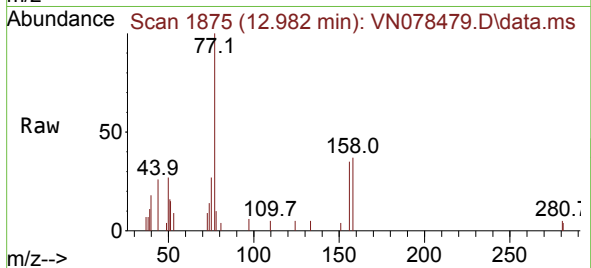
Tgt Ion:156 Resp: 2633

Ion Ratio Lower Upper

156 100

77 237.6 107.7 323.3

158 126.8 48.4 145.3



#78

n-propylbenzene

Concen: 0.535 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. -0.000 min

Lab File: VN078479.D

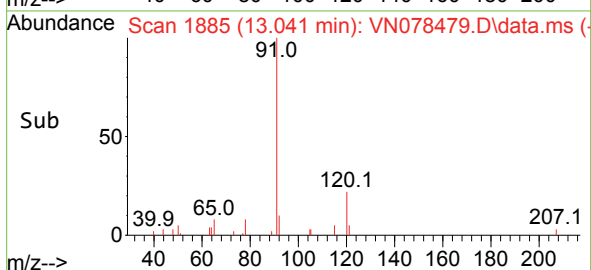
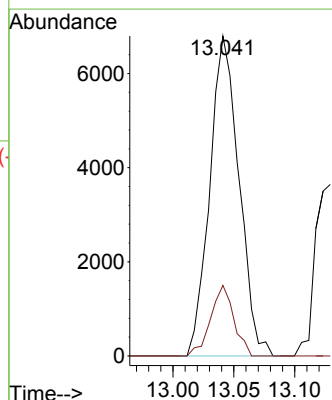
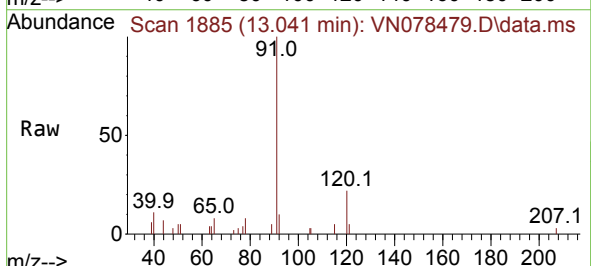
Acq: 12 Jul 2023 14:04

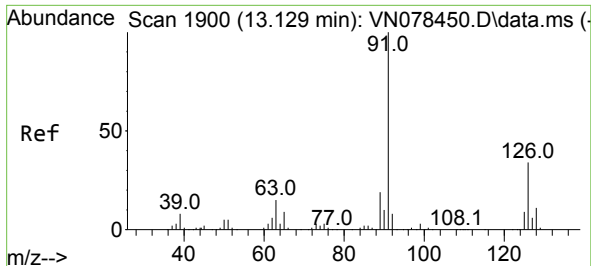
Tgt Ion: 91 Resp: 11343

Ion Ratio Lower Upper

91 100

120 17.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.540 ug/l

RT: 13.135 min Scan# 1901

Delta R.T. 0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

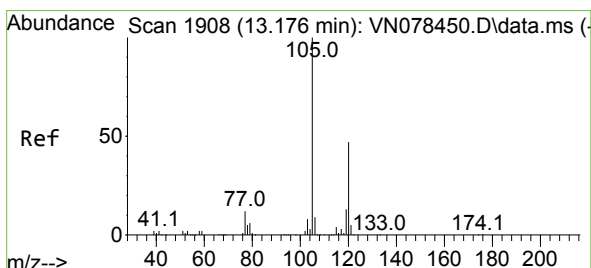
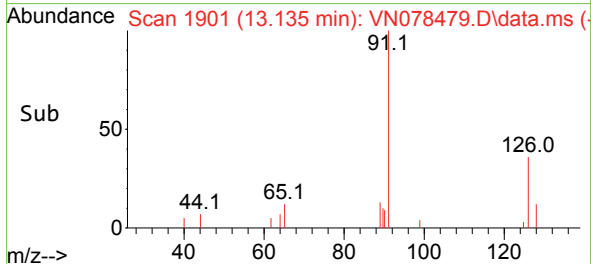
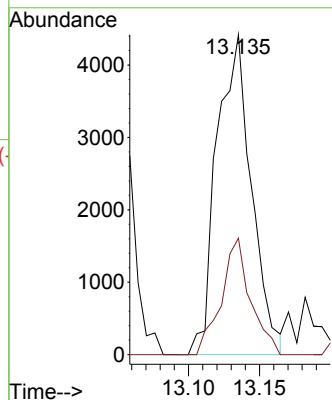
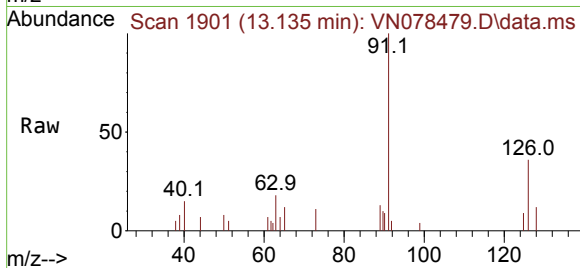
MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 7498

Ion Ratio Lower Upper

91 100

126 30.7 16.3 48.8



#80

1,3,5-Trimethylbenzene

Concen: 0.498 ug/l

RT: 13.182 min Scan# 1909

Delta R.T. 0.006 min

Lab File: VN078479.D

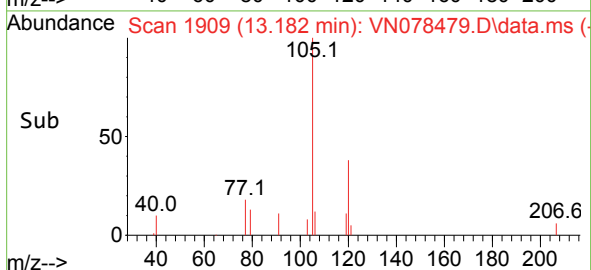
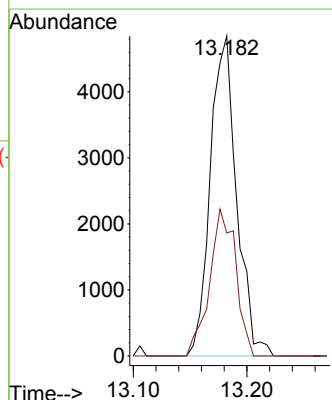
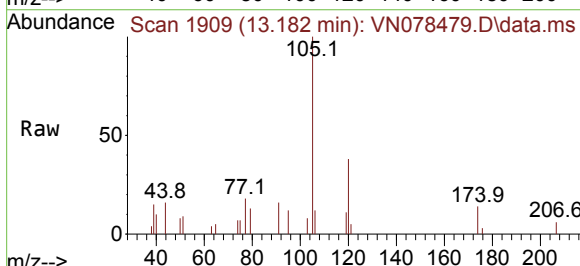
Acq: 12 Jul 2023 14:04

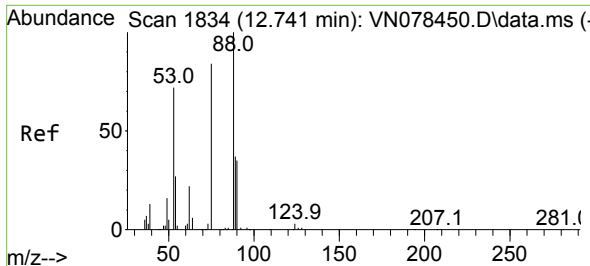
Tgt Ion:105 Resp: 7799

Ion Ratio Lower Upper

105 100

120 45.6 24.1 72.3

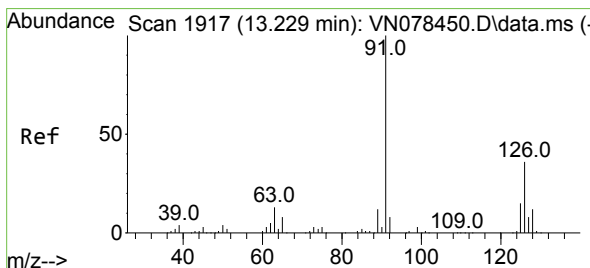
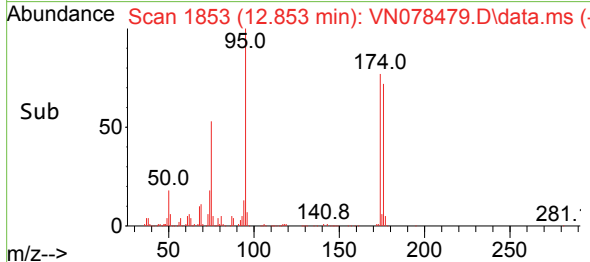
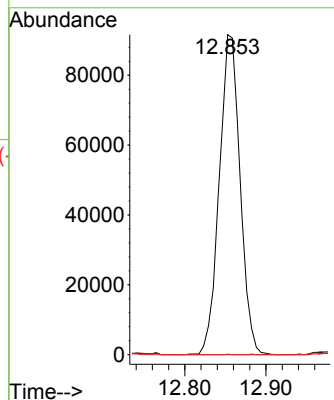
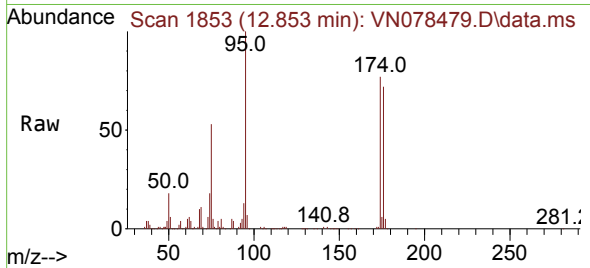




#81
trans-1,4-Dichloro-2-butene
Concen: 84.238 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

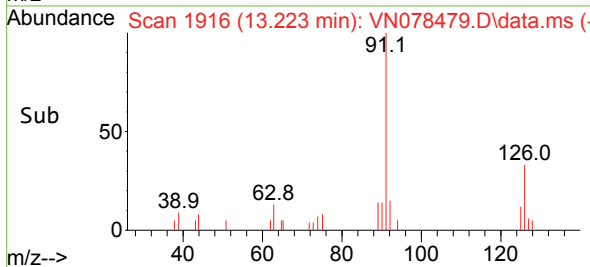
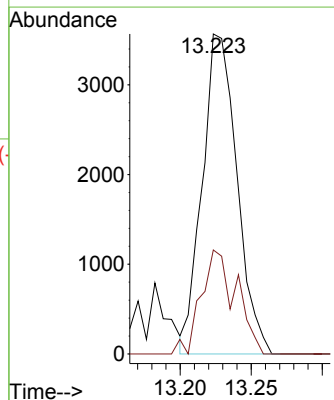
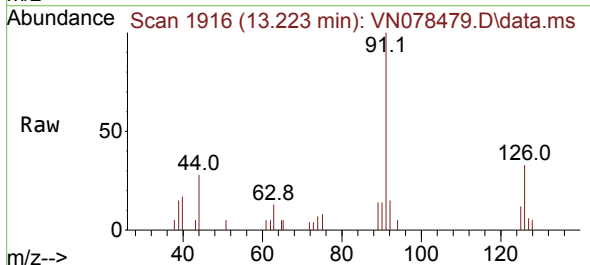
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT3-2023

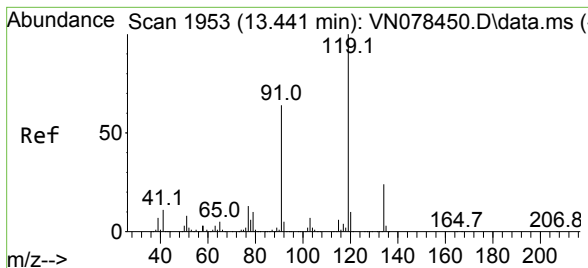
Tgt Ion: 75 Resp: 163337
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#



#82
4-Chlorotoluene
Concen: 0.468 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 91 Resp: 6056
Ion Ratio Lower Upper
91 100
126 32.9 16.7 50.0





#83

tert-Butylbenzene

Concen: 0.525 ug/l

RT: 13.441 min Scan# 1953

Delta R.T. -0.000 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

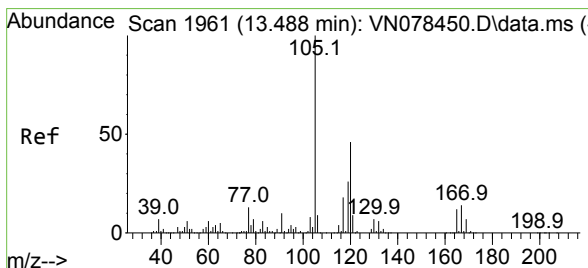
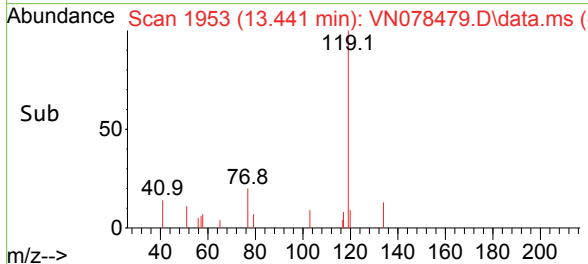
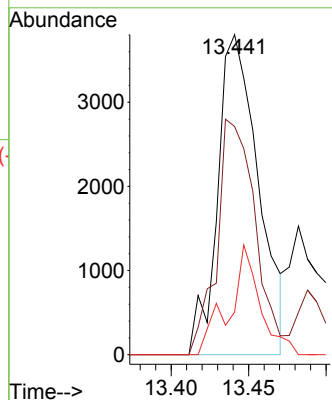
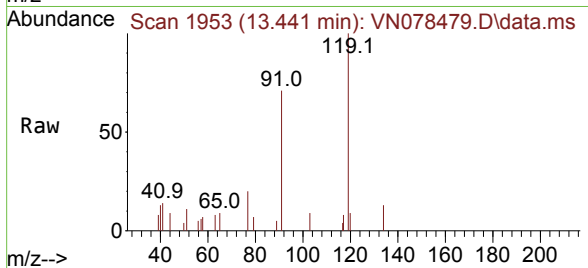
Tgt Ion:119 Resp: 6977

Ion Ratio Lower Upper

119 100

91 68.2 33.9 101.7

134 25.9 13.2 39.6



#84

1,2,4-Trimethylbenzene

Concen: 0.431 ug/l

RT: 13.488 min Scan# 1961

Delta R.T. 0.000 min

Lab File: VN078479.D

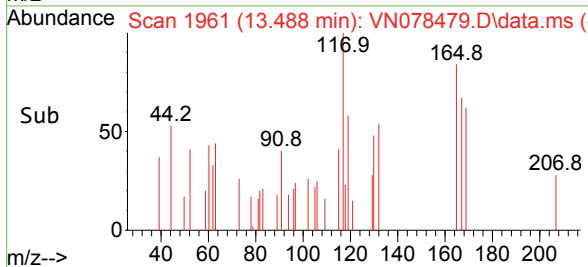
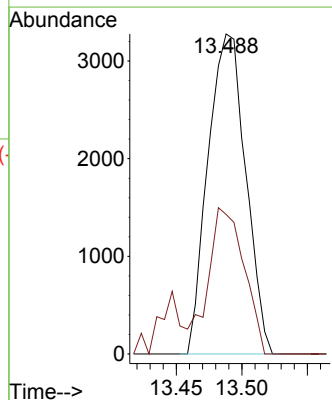
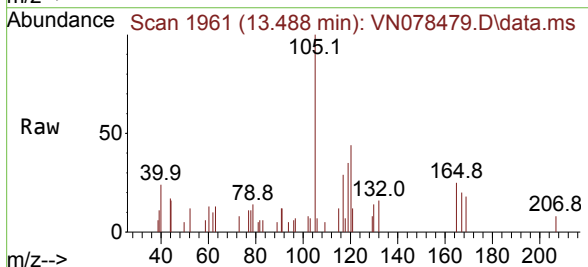
Acq: 12 Jul 2023 14:04

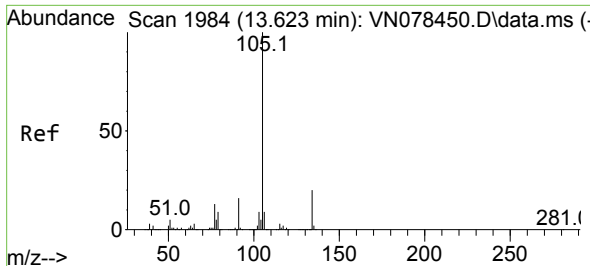
Tgt Ion:105 Resp: 6553

Ion Ratio Lower Upper

105 100

120 43.2 22.0 66.0

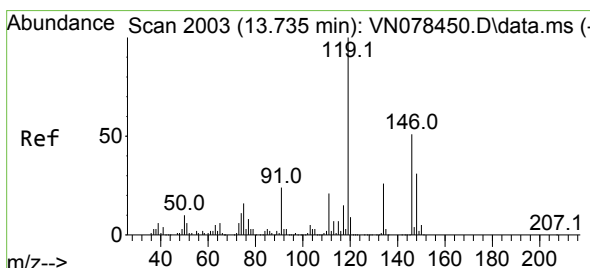
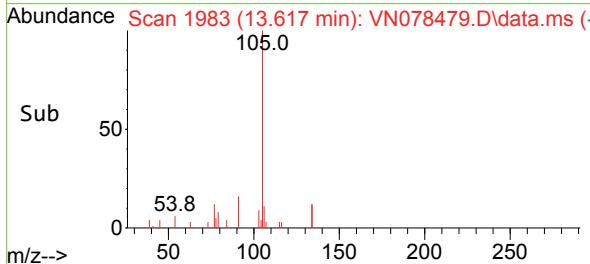
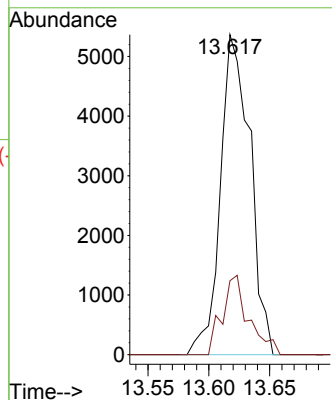
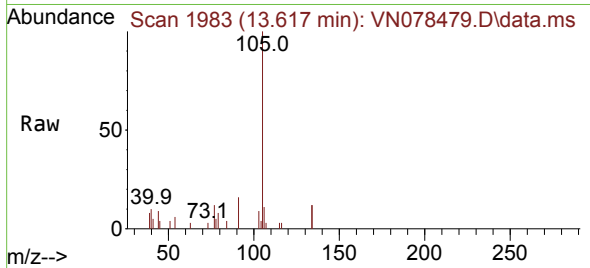




#85
 sec-Butylbenzene
 Concen: 0.542 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04

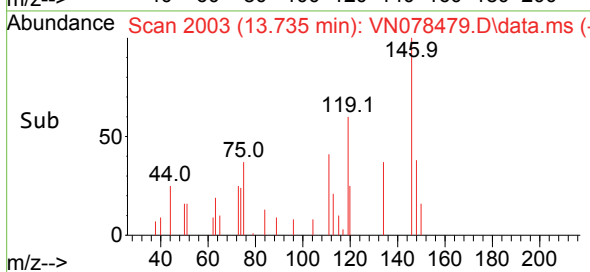
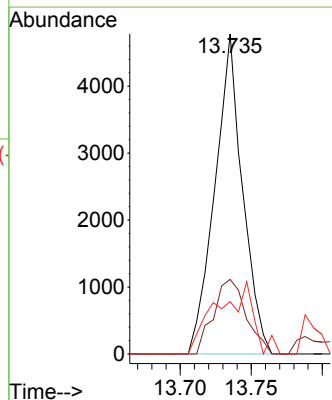
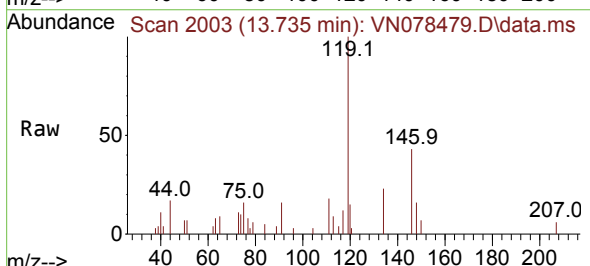
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT3-2023

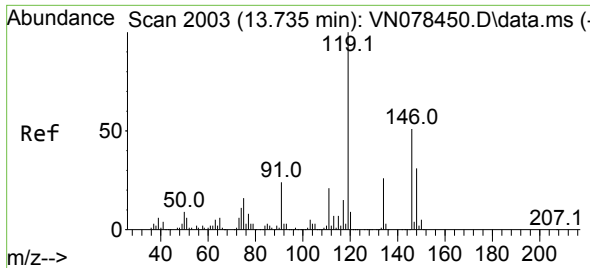
Tgt Ion:105 Resp: 9104
 Ion Ratio Lower Upper
 105 100
 134 22.0 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 0.479 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN078479.D
 Acq: 12 Jul 2023 14:04

Tgt Ion:119 Resp: 6465
 Ion Ratio Lower Upper
 119 100
 134 27.6 12.6 37.8
 91 30.4 12.4 37.2

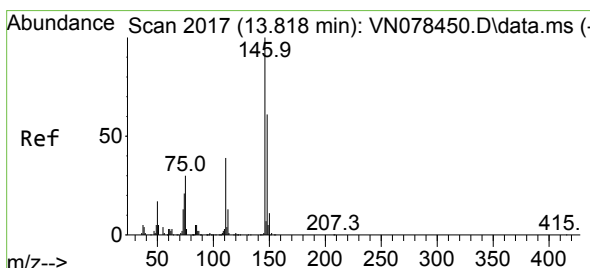
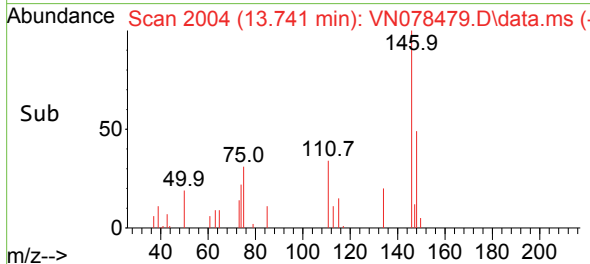
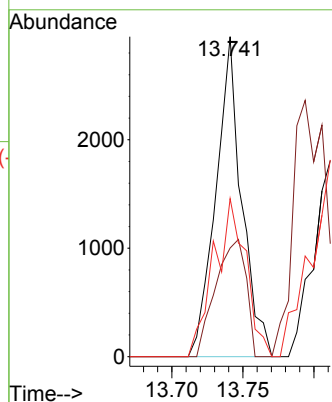
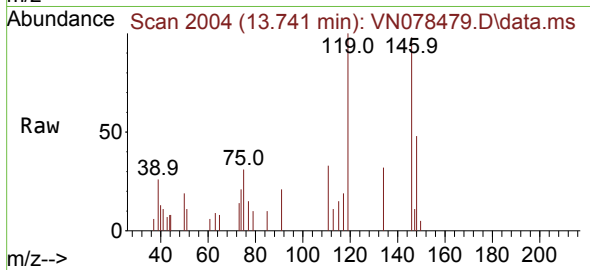




#87
1,3-Dichlorobenzene
Concen: 0.491 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. 0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

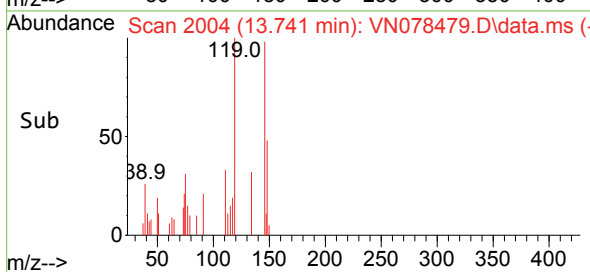
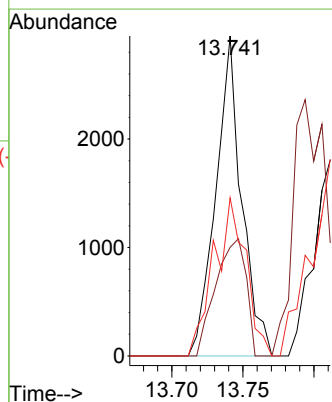
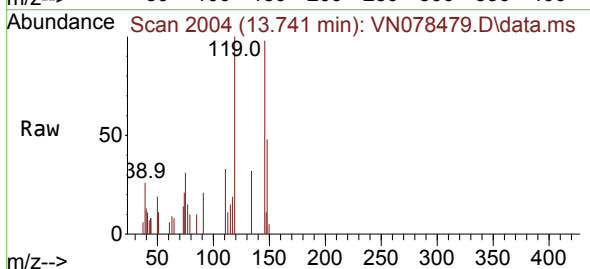
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

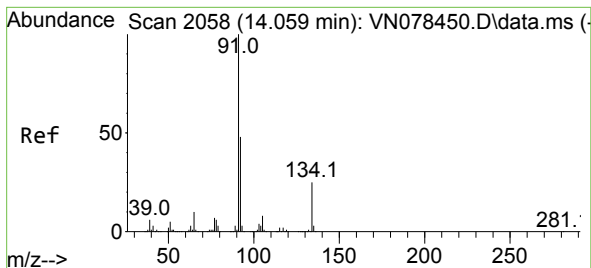
Tgt Ion:146 Resp: 3730
Ion Ratio Lower Upper
146 100
111 43.1 22.1 66.3
148 60.8 32.0 96.0



#88
1,4-Dichlorobenzene
Concen: 0.487 ug/l
RT: 13.741 min Scan# 2004
Delta R.T. -0.077 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion:146 Resp: 3730
Ion Ratio Lower Upper
146 100
111 43.1 20.6 61.8
148 60.8 31.6 94.8





#89

n-Butylbenzene

Concen: 0.460 ug/l

RT: 14.070 min Scan# 2060

Delta R.T. 0.011 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

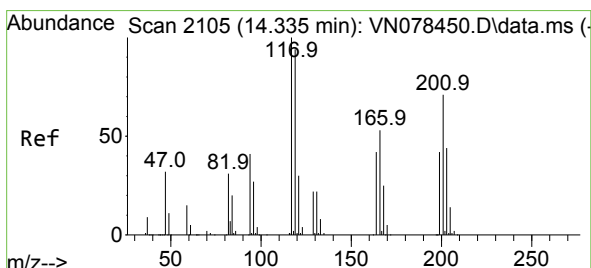
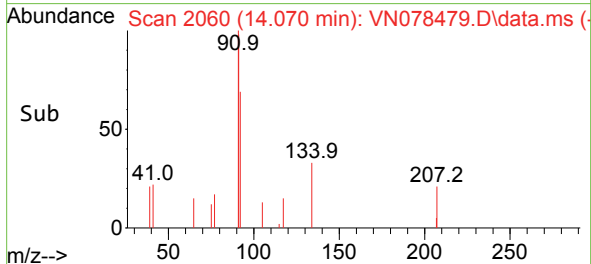
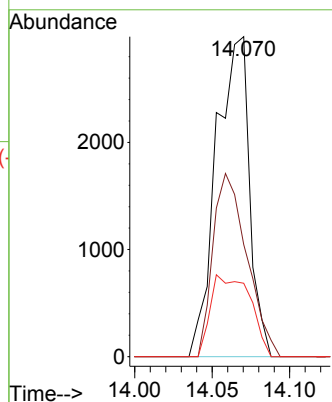
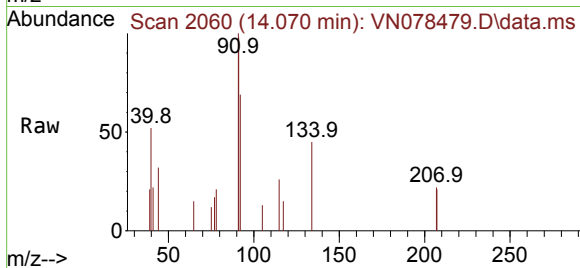
Tgt Ion: 91 Resp: 4440

Ion Ratio Lower Upper

91 100

92 58.5 26.4 79.0

134 30.4 12.6 37.6



#90

Hexachloroethane

Concen: 0.587 ug/l

RT: 14.335 min Scan# 2105

Delta R.T. 0.000 min

Lab File: VN078479.D

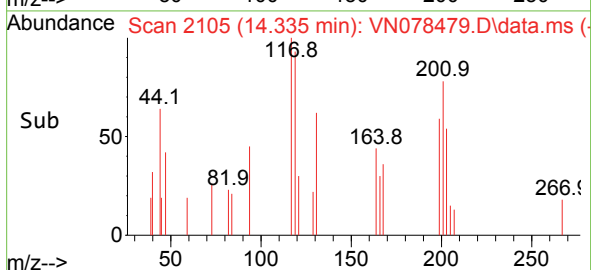
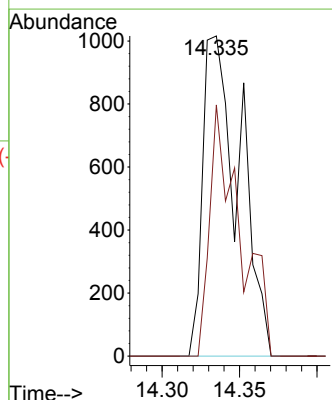
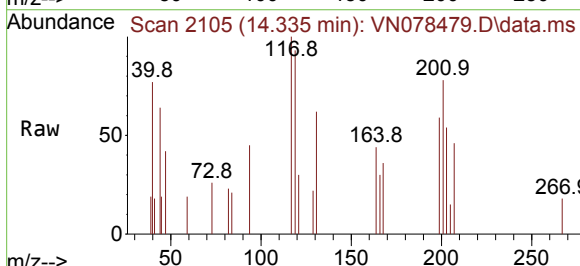
Acq: 12 Jul 2023 14:04

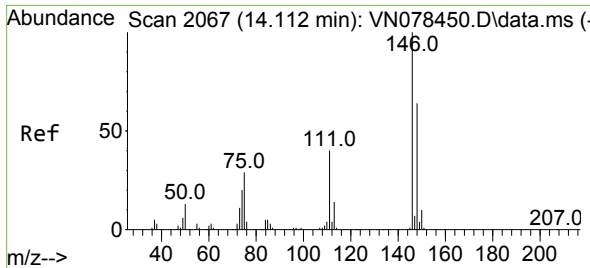
Tgt Ion: 117 Resp: 1672

Ion Ratio Lower Upper

117 100

201 64.3 29.3 88.0

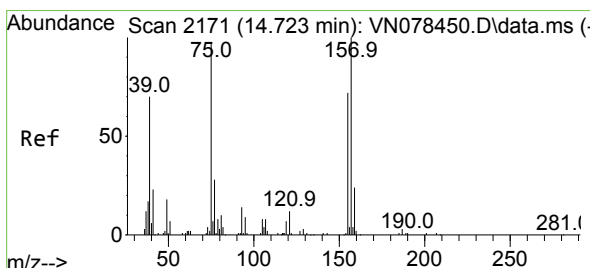
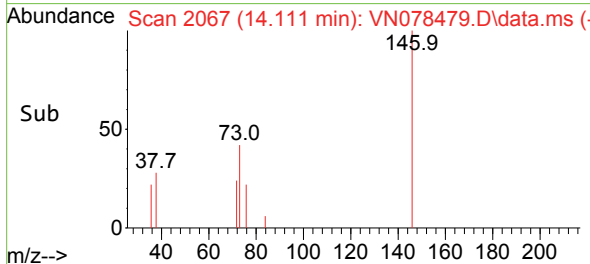
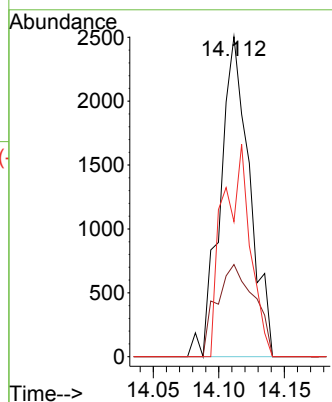
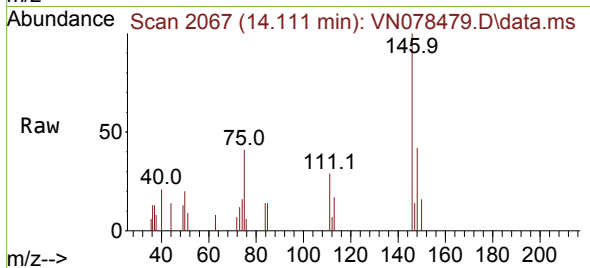




#91
1,2-Dichlorobenzene
Concen: 0.516 ug/l
RT: 14.111 min Scan# 2067
Delta R.T. -0.001 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

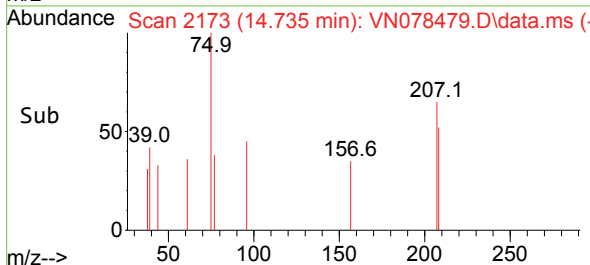
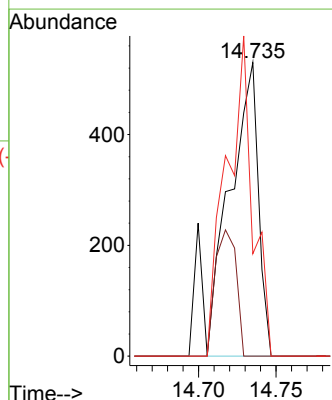
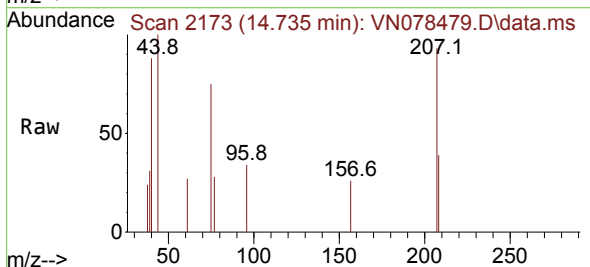
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT3-2023

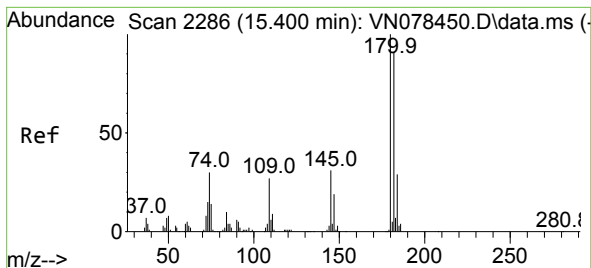
Tgt Ion:146	Resp:	3902
Ion Ratio	Lower	Upper
146	100	
111	36.9	22.0 66.0
148	61.5	31.8 95.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.687 ug/l
RT: 14.735 min Scan# 2173
Delta R.T. 0.012 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion: 75	Resp:	757
Ion Ratio	Lower	Upper
75	100	
155	28.1	39.1 117.2#
157	89.8	50.3 150.9





#93

1,2,4-Trichlorobenzene

Concen: 0.318 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2023

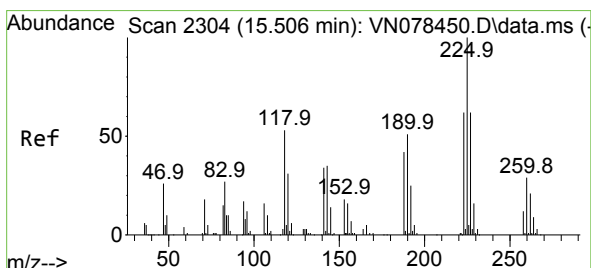
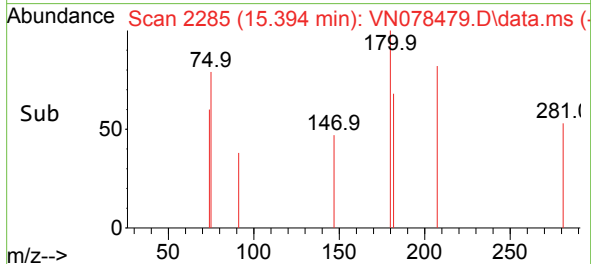
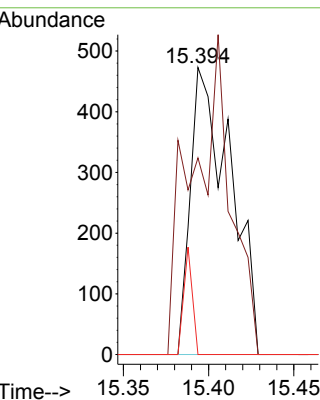
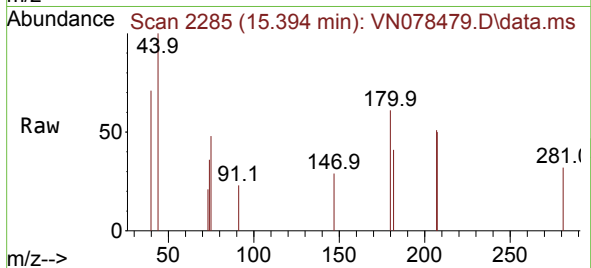
Tgt Ion:180 Resp: 769

Ion Ratio Lower Upper

180 100

182 107.2 46.1 138.2

145 8.1 16.6 49.8#



#94

Hexachlorobutadiene

Concen: 0.835 ug/l

RT: 15.511 min Scan# 2305

Delta R.T. 0.005 min

Lab File: VN078479.D

Acq: 12 Jul 2023 14:04

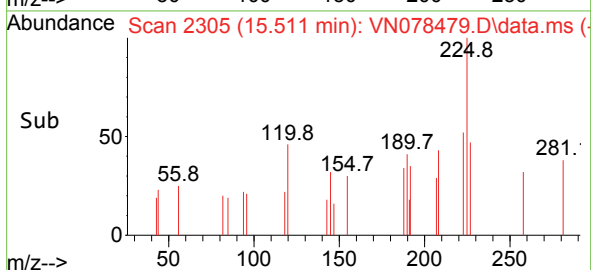
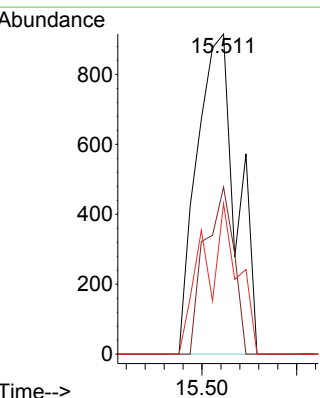
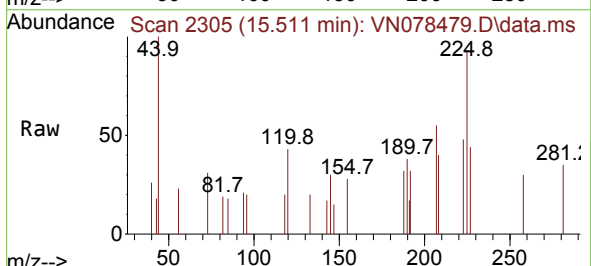
Tgt Ion:225 Resp: 1319

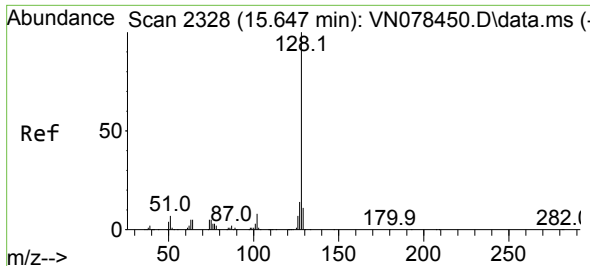
Ion Ratio Lower Upper

225 100

223 38.2 31.3 93.8

227 41.5 31.9 95.9

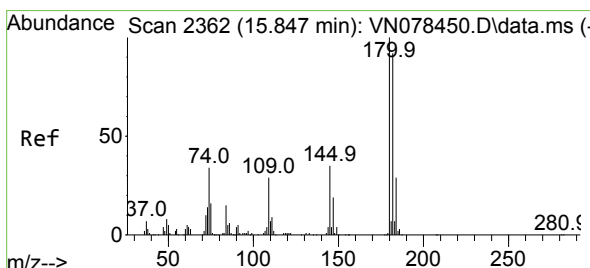
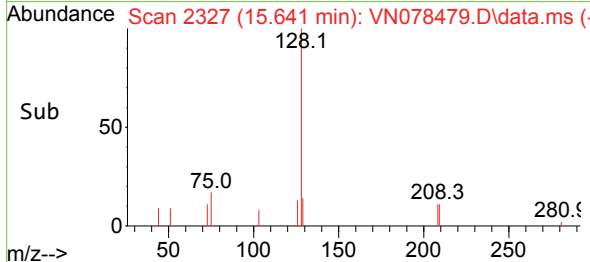
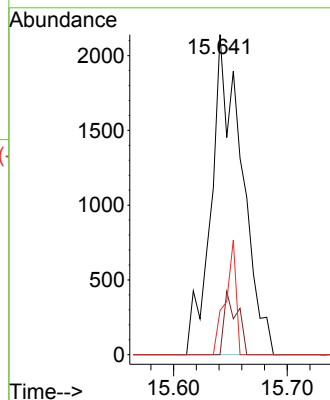
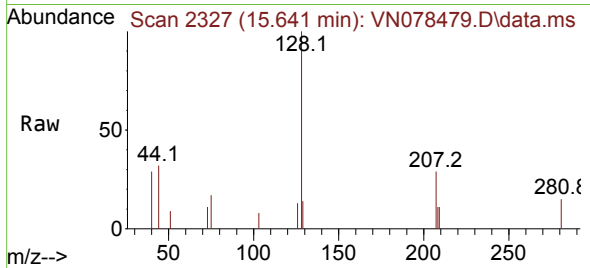




#95
Naphthalene
Concen: 0.485 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.006 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

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

Tgt Ion:128 Resp: 4006
Ion Ratio Lower Upper
128 100
127 8.6 10.0 15.0#
129 12.5 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.650 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VN078479.D
Acq: 12 Jul 2023 14:04

Tgt Ion:180 Resp: 1805
Ion Ratio Lower Upper
180 100
182 88.2 46.2 138.6
145 24.1 17.5 52.6

