

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051623\
 Data File : VN077696.D
 Acq On : 16 May 2023 16:38
 Operator : JC\MD
 Sample : 02213-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

Quant Time: May 17 04:04:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051523W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 04:07:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	371959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	681862	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	589009	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	236819	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	301868	54.240	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.480%	
35) Dibromofluoromethane	8.171	113	234842	52.817	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.640%	
50) Toluene-d8	10.571	98	891845	52.111	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.220%	
62) 4-Bromofluorobenzene	12.853	95	289629	47.917	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.840%	

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.130	85	10126	2.392	ug/l	98
3) Chloromethane	2.366	50	12658	1.067	ug/l	96
4) Vinyl Chloride	2.519	62	14640	2.743	ug/l	97
5) Bromomethane	2.960	94	13117	3.323	ug/l	93
6) Chloroethane	3.124	64	11678	3.036	ug/l	95
7) Trichlorofluoromethane	3.495	101	18172	2.443	ug/l	99
8) Diethyl Ether	3.971	74	6934	2.554	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.377	101	9996	2.428	ug/l #	88
10) Methyl Iodide	4.595	142	11894	2.423	ug/l #	83
11) Tert butyl alcohol	5.542	59	12152	15.821	ug/l #	72
12) 1,1-Dichloroethene	4.348	96	9666	2.471	ug/l	95
13) Acrolein	4.195	56	10039	Below Cal	#	55
14) Allyl chloride	5.030	41	14056	2.446	ug/l	90
15) Acrylonitrile	5.736	53	28053	13.671	ug/l	99
16) Acetone	4.442	43	24376	13.921	ug/l	97
17) Carbon Disulfide	4.718	76	23322	2.212	ug/l	99
18) Methyl Acetate	5.030	43	18452	2.512	ug/l	89
19) Methyl tert-butyl Ether	5.807	73	36516	2.579	ug/l	95
20) Methylene Chloride	5.289	84	14228	1.193	ug/l #	93
21) trans-1,2-Dichloroethene	5.789	96	11003	2.504	ug/l	90
22) Diisopropyl ether	6.683	45	33847	2.513	ug/l #	87
23) Vinyl Acetate	6.612	43	99554	11.928	ug/l #	88
24) 1,1-Dichloroethane	6.571	63	20885	2.531	ug/l	93
25) 2-Butanone	7.495	43	34708	12.672	ug/l #	84
26) 2,2-Dichloropropane	7.501	77	16331	2.329	ug/l	99
27) cis-1,2-Dichloroethene	7.489	96	13348	2.533	ug/l	91
28) Bromochloromethane	7.824	49	9897	2.773	ug/l #	76
29) Tetrahydrofuran	7.853	42	22741	12.680	ug/l #	83
30) Chloroform	7.971	83	22527	2.481	ug/l	99
31) Cyclohexane	8.259	56	26167	3.459	ug/l #	82
32) 1,1,1-Trichloroethane	8.171	97	20119	2.607	ug/l #	51
36) 1,1-Dichloropropene	8.371	75	17693	2.721	ug/l	91
37) Ethyl Acetate	7.583	43	14557	2.511	ug/l #	87
38) Carbon Tetrachloride	8.371	117	16809	2.560	ug/l	94
39) Methylcyclohexane	9.612	83	19720	2.477	ug/l #	76
40) Benzene	8.612	78	49022	2.554	ug/l	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.789	41	7737	2.506	ug/l	94
42) 1,2-Dichloroethane	8.677	62	16661	2.390	ug/l	92
43) Isopropyl Acetate	8.700	43	25743	2.719	ug/l #	92
44) Trichloroethene	9.359	130	11048	2.274	ug/l	95
45) 1,2-Dichloropropane	9.624	63	11902	2.431	ug/l #	80
46) Dibromomethane	9.712	93	9082	2.593	ug/l	95
47) Bromodichloromethane	9.895	83	16093	2.400	ug/l #	89
48) Methyl methacrylate	9.683	41	12426	2.768	ug/l #	82
49) 1,4-Dioxane	9.706	88	4462	52.627	ug/l #	74
51) 4-Methyl-2-Pentanone	10.447	43	72700	12.918	ug/l	93
52) Toluene	10.630	92	29723	2.488	ug/l	92
53) t-1,3-Dichloropropene	10.842	75	15218	2.143	ug/l	97
54) cis-1,3-Dichloropropene	10.312	75	17840	2.280	ug/l #	92
55) 1,1,2-Trichloroethane	11.024	97	12092	2.549	ug/l #	86
56) Ethyl methacrylate	10.877	69	17730	2.472	ug/l	90
57) 1,3-Dichloropropane	11.171	76	20992	2.581	ug/l	97
58) 2-Chloroethyl Vinyl ether	10.165	63	42589	12.069	ug/l	89
59) 2-Hexanone	11.200	43	50175	12.053	ug/l	94
60) Dibromochloromethane	11.359	129	11512	2.351	ug/l	99
61) 1,2-Dibromoethane	11.477	107	12370	2.614	ug/l	96
64) Tetrachloroethene	11.106	164	11370	2.760	ug/l	92
65) Chlorobenzene	11.900	112	32221	2.523	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.965	131	11242	2.544	ug/l	98
67) Ethyl Benzene	11.971	91	55400	2.421	ug/l	100
68) m/p-Xylenes	12.077	106	41839	4.825	ug/l	100
69) o-Xylene	12.406	106	20741	2.432	ug/l	99
70) Styrene	12.418	104	31816	2.349	ug/l	97
71) Bromoform	12.583	173	6675	2.271	ug/l #	100
73) Isopropylbenzene	12.700	105	49664	2.433	ug/l	97
74) N-amyl acetate	12.500	43	17613	2.334	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.941	83	17264	2.749	ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	20753	3.499	ug/l	73
77) Bromobenzene	12.988	156	11373	2.441	ug/l	88
78) n-propylbenzene	13.041	91	57513	2.390	ug/l	98
79) 2-Chlorotoluene	13.130	91	37913	2.640	ug/l	95
80) 1,3,5-Trimethylbenzene	13.183	105	39860	2.323	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.853	75	153558	82.763	ug/l #	15
82) 4-Chlorotoluene	13.230	91	36133	2.529	ug/l	99
83) tert-Butylbenzene	13.447	119	39551	2.641	ug/l	95
84) 1,2,4-Trimethylbenzene	13.488	105	40528	2.402	ug/l	94
85) sec-Butylbenzene	13.624	105	50804	2.387	ug/l	93
86) p-Isopropyltoluene	13.735	119	38475	2.267	ug/l	98
87) 1,3-Dichlorobenzene	13.741	146	21049	2.443	ug/l	95
88) 1,4-Dichlorobenzene	13.818	146	20935	2.449	ug/l	90
89) n-Butylbenzene	14.059	91	34770	2.228	ug/l	98
90) Hexachloroethane	14.341	117	6444	2.311	ug/l	85
91) 1,2-Dichlorobenzene	14.112	146	21404	2.659	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.724	75	2708	2.227	ug/l	92
93) 1,2,4-Trichlorobenzene	15.394	180	10087	2.145	ug/l	92
94) Hexachlorobutadiene	15.512	225	4714	2.414	ug/l	94
95) Naphthalene	15.647	128	33538	2.072	ug/l	98
96) 1,2,3-Trichlorobenzene	15.847	180	9760	2.119	ug/l	97

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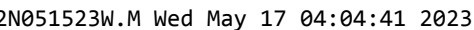
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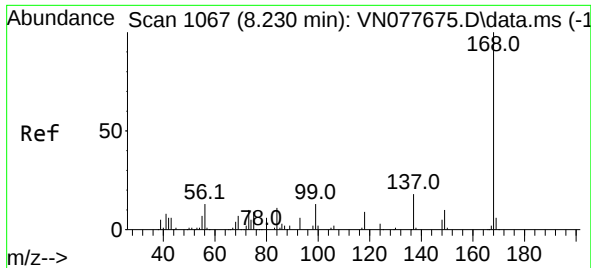
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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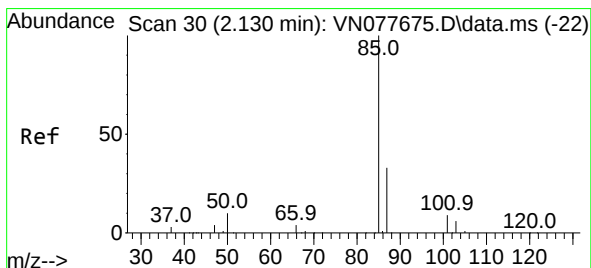
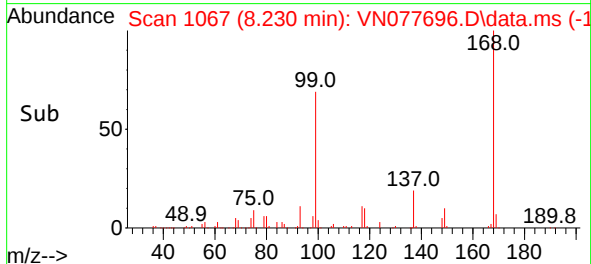
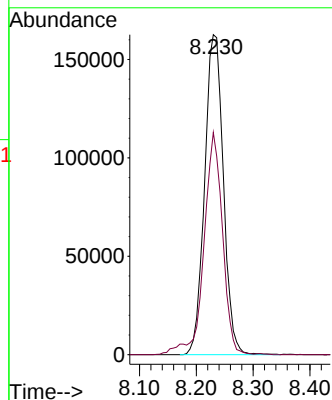
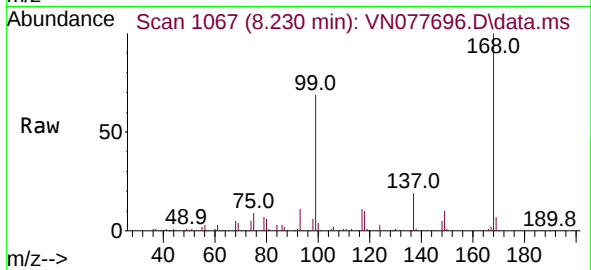




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
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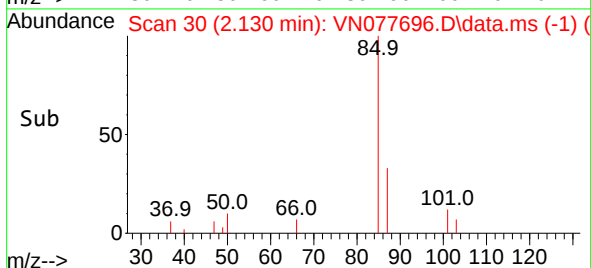
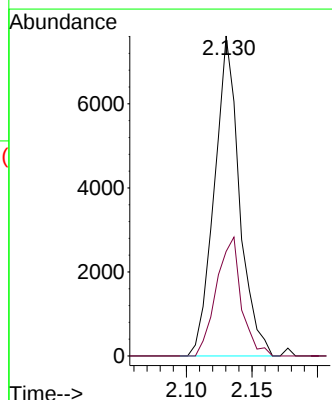
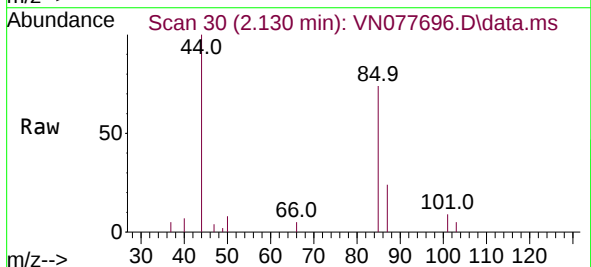
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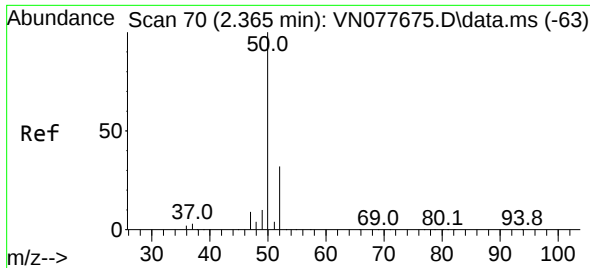
Tgt Ion:168 Resp: 371959
Ion Ratio Lower Upper
168 100
99 69.4 53.0 79.6



#2
Dichlorodifluoromethane
Concen: 2.392 ug/l
RT: 2.130 min Scan# 30
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 85 Resp: 10126
Ion Ratio Lower Upper
85 100
87 32.7 15.8 47.4

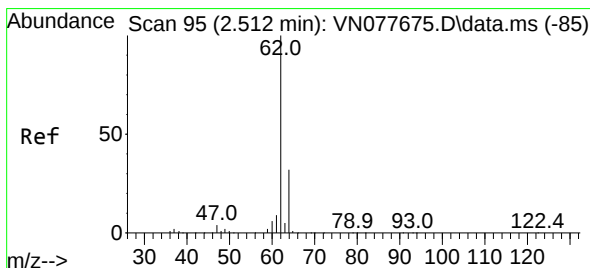
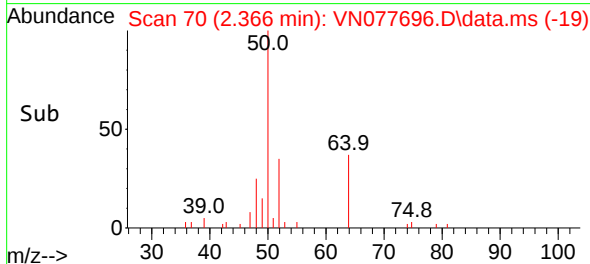
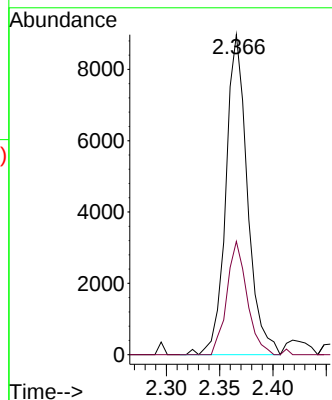
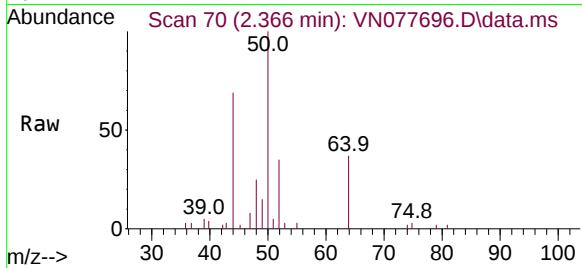




#3
Chloromethane
Concen: 1.067 ug/l
RT: 2.366 min Scan# 70
Delta R.T. 0.001 min
Lab File: VN077696.D
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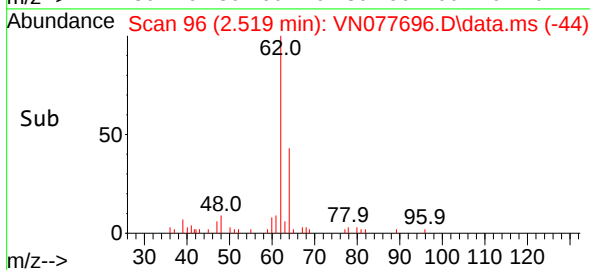
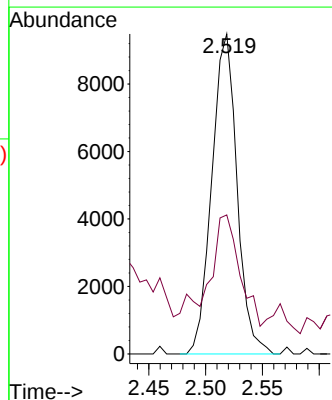
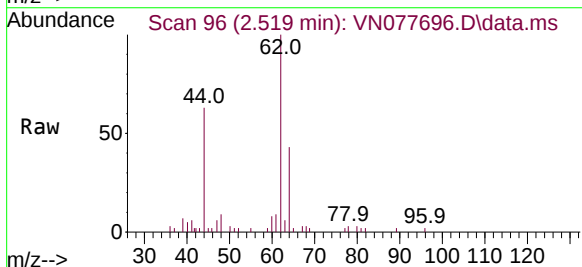
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ClientSampleId : LOD-MDL-WATER-01-QT2-2023

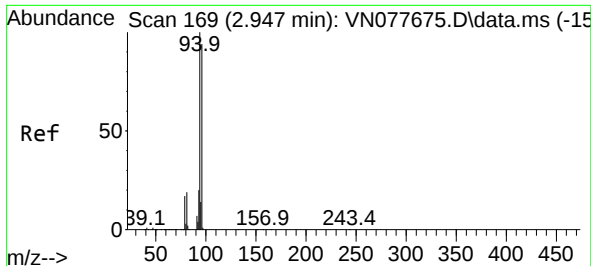
Tgt Ion: 50 Resp: 12658
Ion Ratio Lower Upper
50 100
52 35.4 26.5 39.7



#4
Vinyl Chloride
Concen: 2.743 ug/l
RT: 2.519 min Scan# 96
Delta R.T. 0.007 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 62 Resp: 14640
Ion Ratio Lower Upper
62 100
64 30.8 26.2 39.2

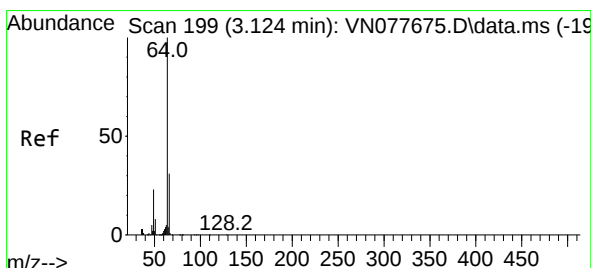
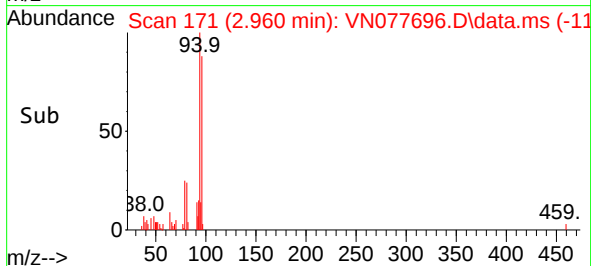
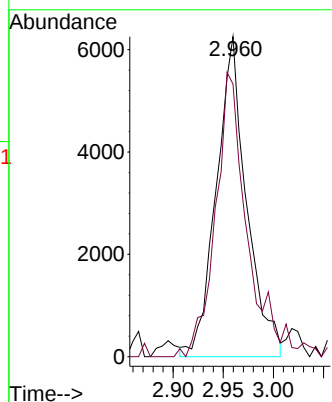
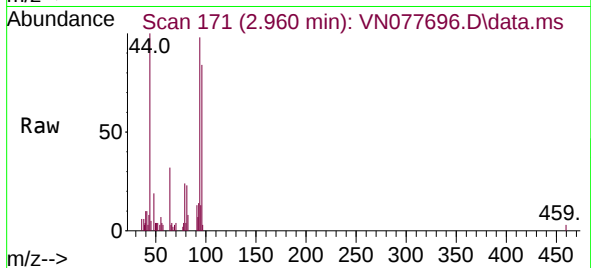




#5
Bromomethane
Concen: 3.323 ug/l
RT: 2.960 min Scan# 11
Delta R.T. 0.013 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

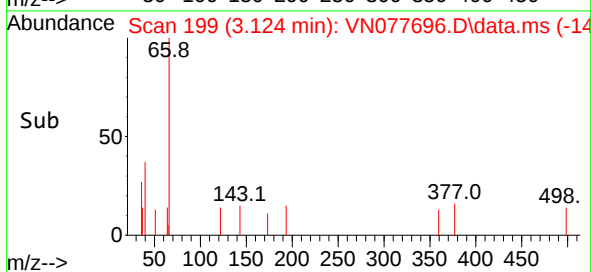
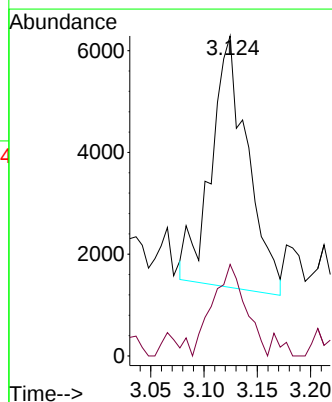
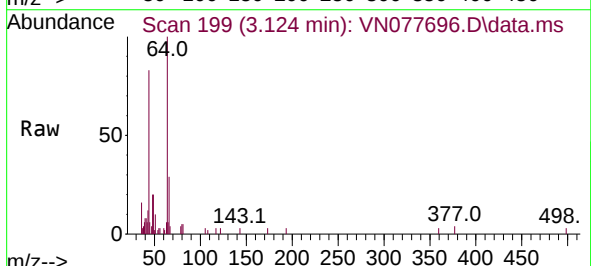
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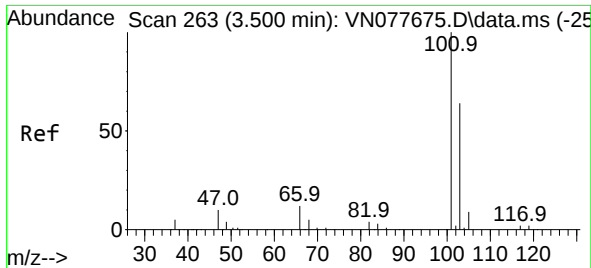
Tgt Ion: 94 Resp: 13117
Ion Ratio Lower Upper
94 100
96 85.2 73.1 109.7



#6
Chloroethane
Concen: 3.036 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 64 Resp: 11678
Ion Ratio Lower Upper
64 100
66 34.3 25.4 38.2

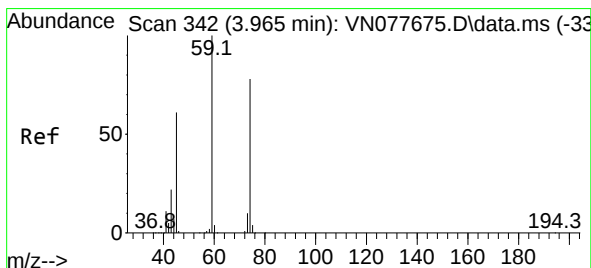
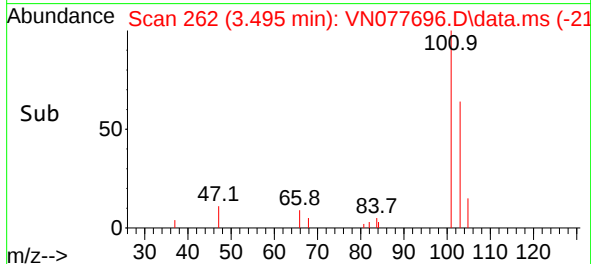
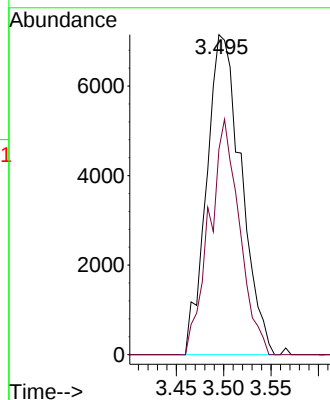
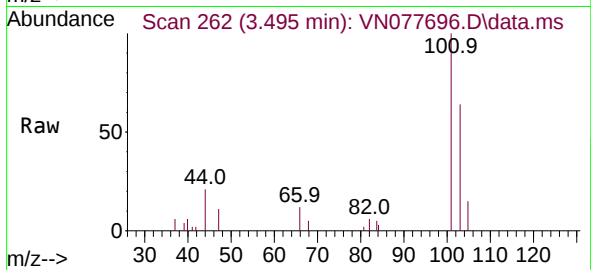




#7
 Trichlorofluoromethane
 Concen: 2.443 ug/l
 RT: 3.495 min Scan# 210
 Delta R.T. -0.005 min
 Lab File: VN077696.D
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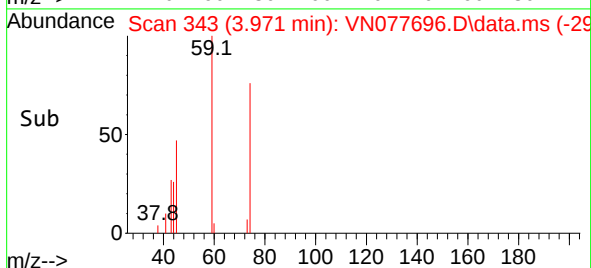
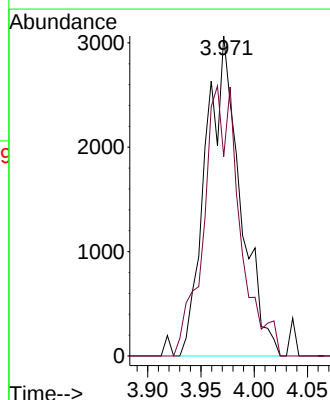
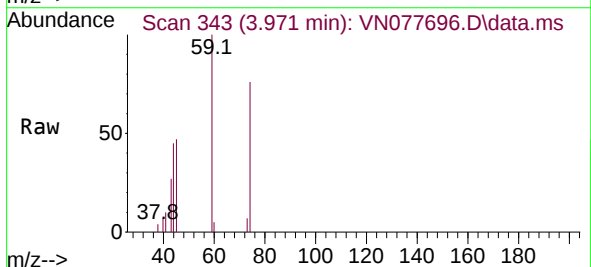
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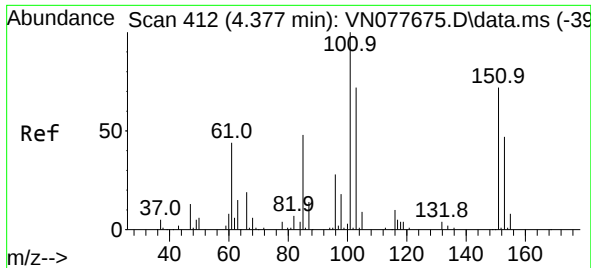
Tgt Ion:101 Resp: 18172
 Ion Ratio Lower Upper
 101 100
 103 64.2 50.7 76.1



#8
 Diethyl Ether
 Concen: 2.554 ug/l
 RT: 3.971 min Scan# 343
 Delta R.T. 0.006 min
 Lab File: VN077696.D
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Tgt Ion: 74 Resp: 6934
 Ion Ratio Lower Upper
 74 100
 45 88.1 34.4 103.3

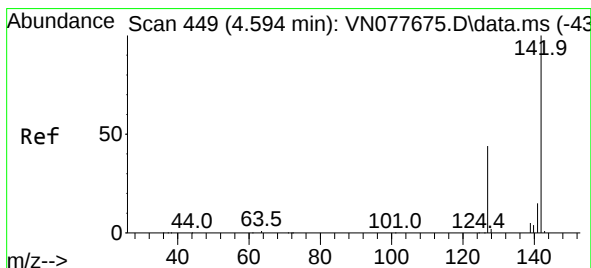
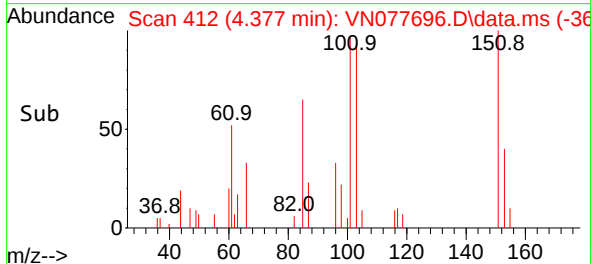
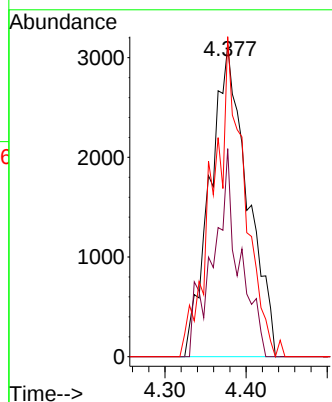
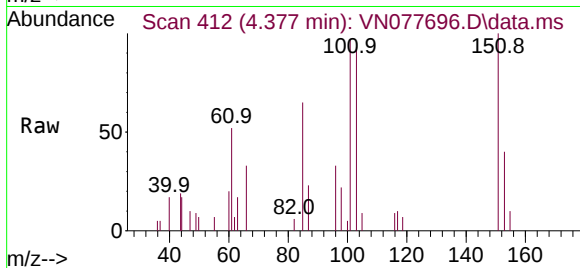




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.428 ug/l
RT: 4.377 min Scan# 412
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

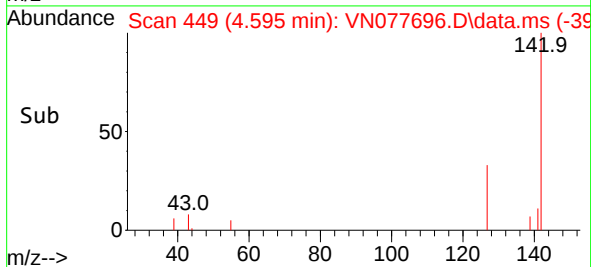
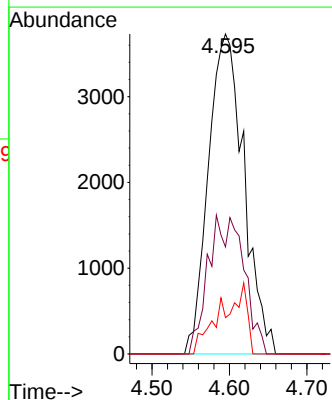
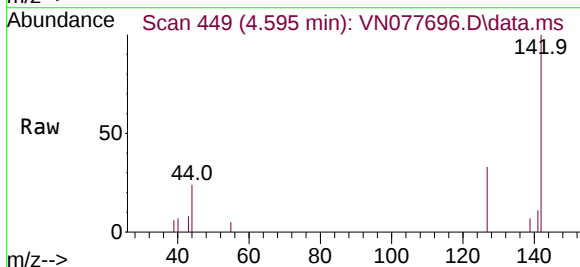
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

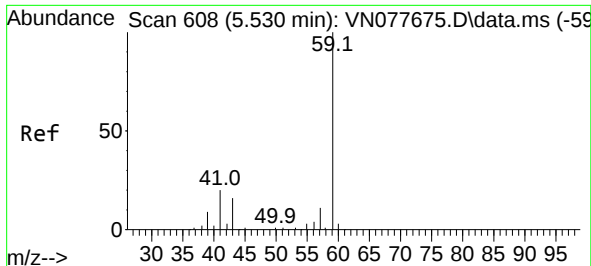
Tgt Ion:101 Resp: 9996
Ion Ratio Lower Upper
101 100
85 47.0 36.6 55.0
151 86.8 57.6 86.4#



#10
Methyl Iodide
Concen: 2.423 ug/l
RT: 4.595 min Scan# 449
Delta R.T. 0.001 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion:142 Resp: 11894
Ion Ratio Lower Upper
142 100
127 33.4 37.6 56.4#
141 11.4 11.4 17.0

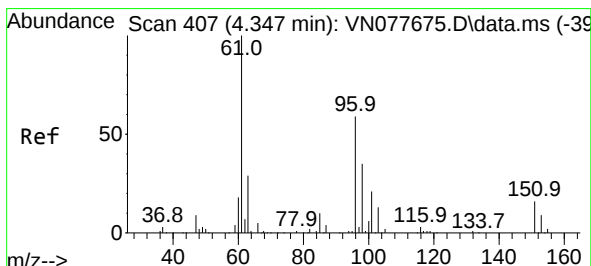
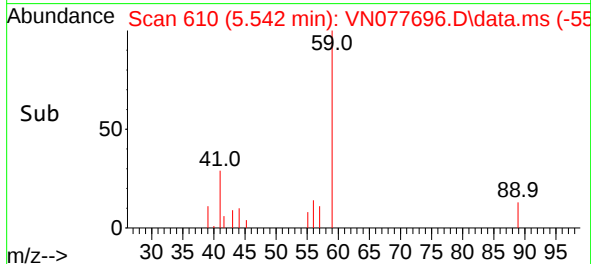
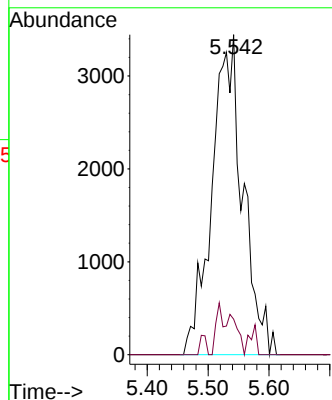
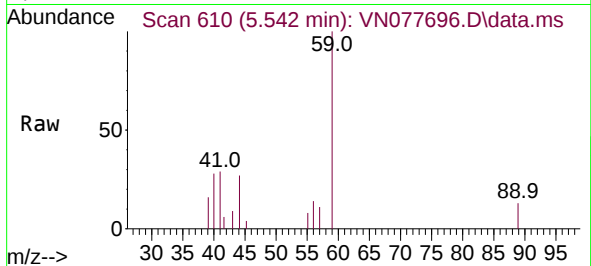




#11
Tert butyl alcohol
Concen: 15.821 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

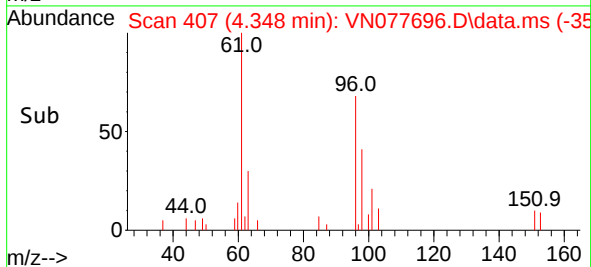
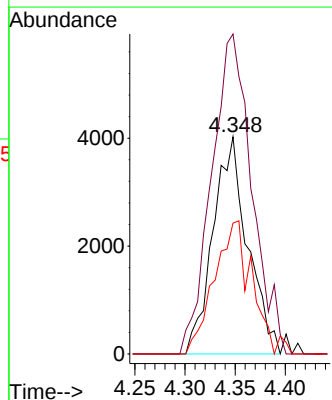
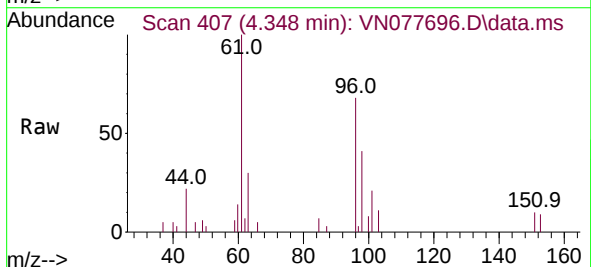
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

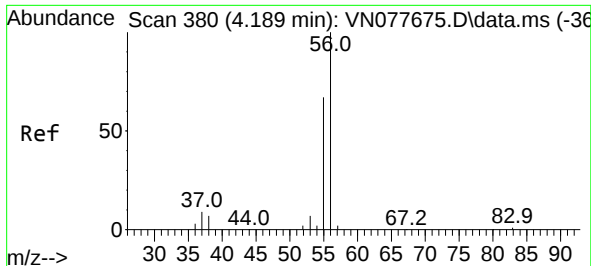
Tgt Ion: 59 Resp: 12152
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#12
1,1-Dichloroethene
Concen: 2.471 ug/l
RT: 4.348 min Scan# 407
Delta R.T. 0.001 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 96 Resp: 9666
Ion Ratio Lower Upper
96 100
61 147.4 112.7 169.1
98 60.3 51.2 76.8

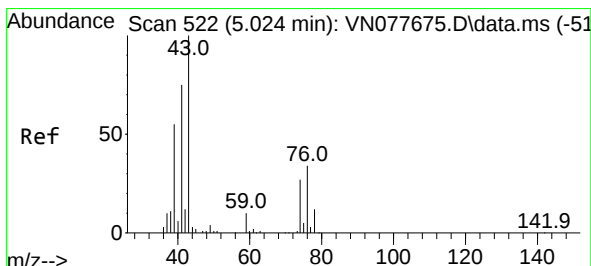
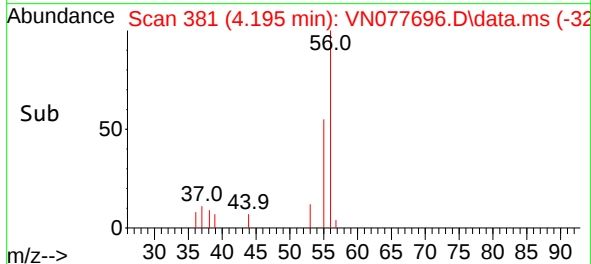
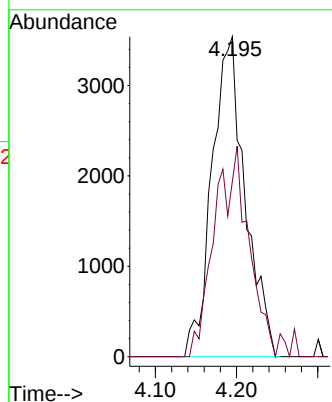
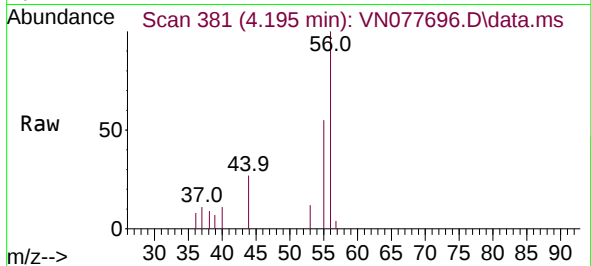




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 381
Delta R.T. 0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

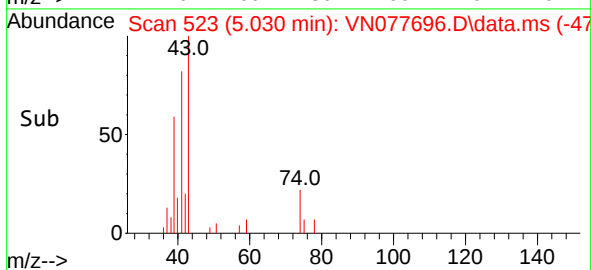
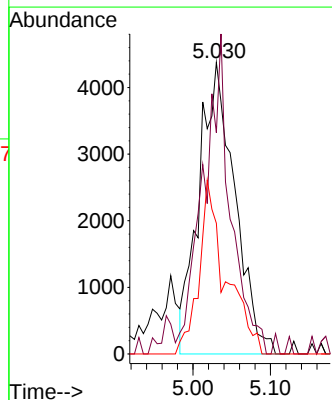
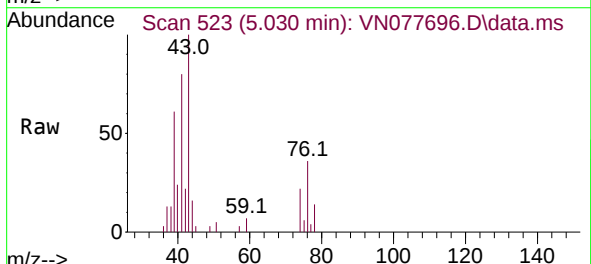
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

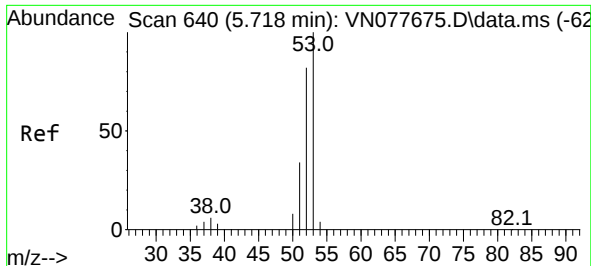
Tgt Ion: 56 Resp: 10039
Ion Ratio Lower Upper
56 100
55 31.5 54.5 81.7#



#14
Allyl chloride
Concen: 2.446 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 41 Resp: 14056
Ion Ratio Lower Upper
41 100
39 83.5 58.8 88.2
76 44.6 39.1 58.7

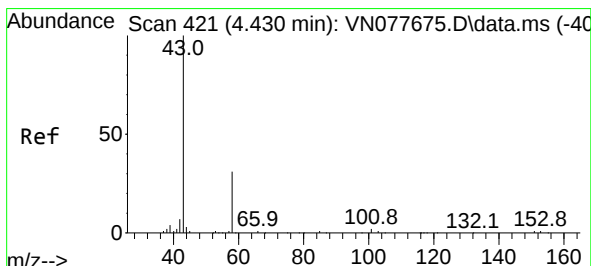
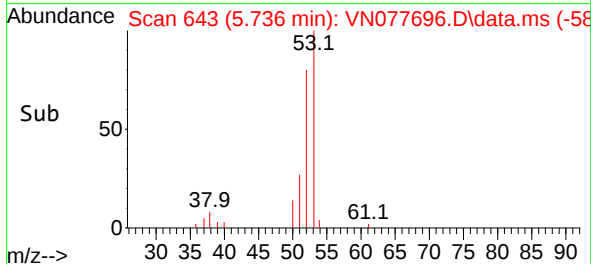
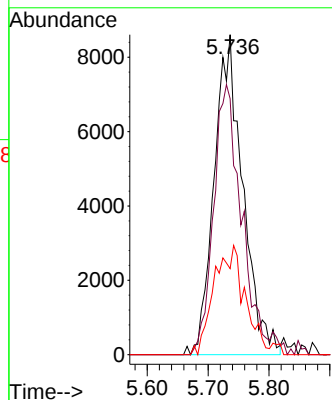
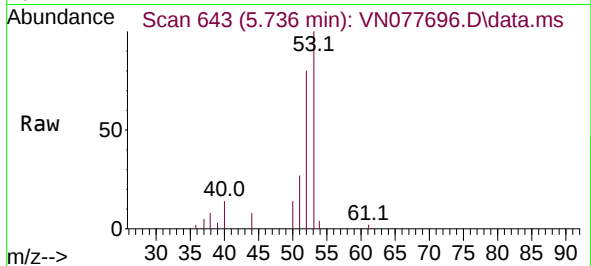




#15
Acrylonitrile
Concen: 13.671 ug/l
RT: 5.736 min Scan# 640
Delta R.T. 0.018 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

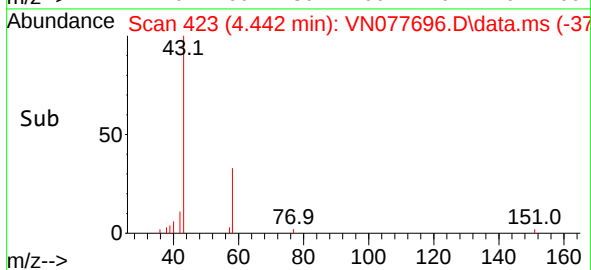
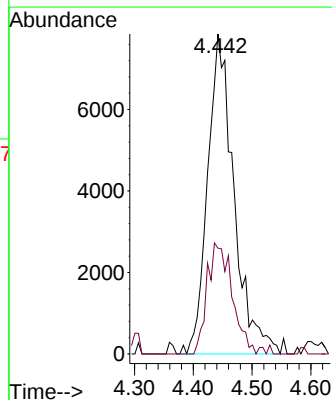
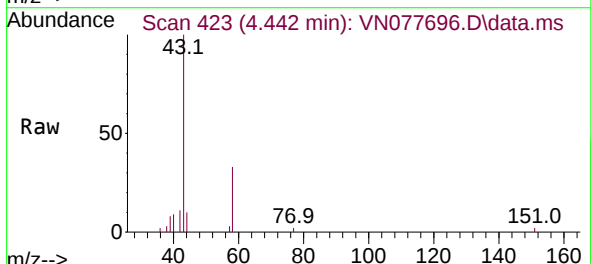
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2023

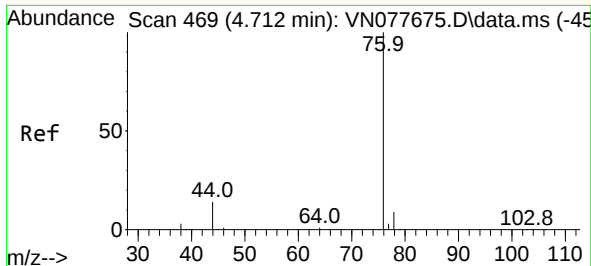
Tgt Ion: 53 Resp: 28053
Ion Ratio Lower Upper
53 100
52 81.7 65.3 97.9
51 37.2 28.9 43.3



#16
Acetone
Concen: 13.921 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.012 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 43 Resp: 24376
Ion Ratio Lower Upper
43 100
58 33.0 28.0 42.0

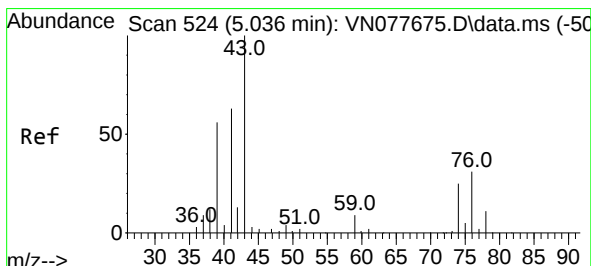
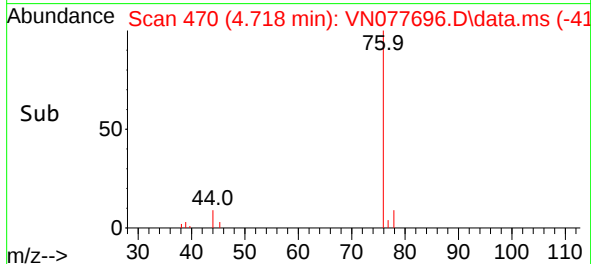
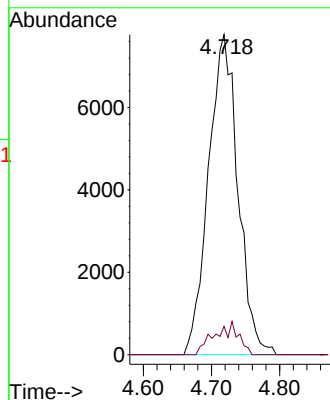
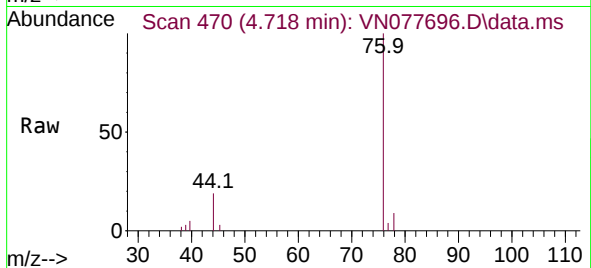




#17
Carbon Disulfide
Concen: 2.212 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

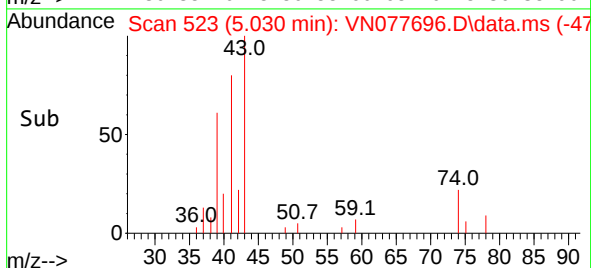
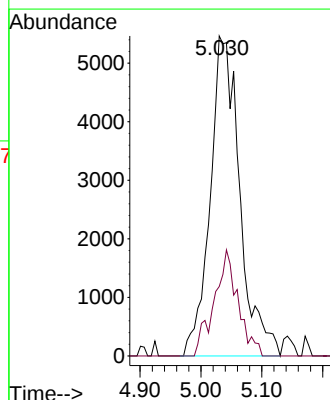
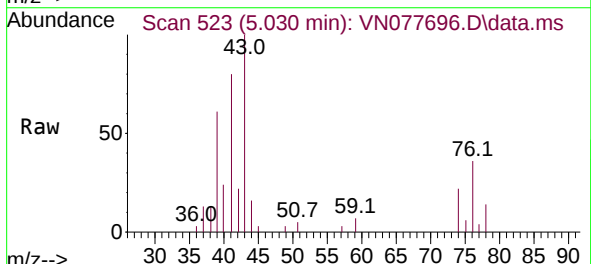
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

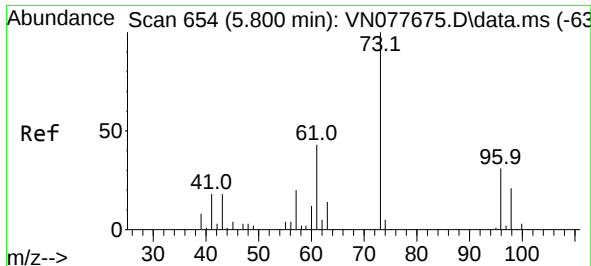
Tgt Ion: 76 Resp: 23322
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 2.512 ug/l
RT: 5.030 min Scan# 523
Delta R.T. -0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 43 Resp: 18452
Ion Ratio Lower Upper
43 100
74 26.8 26.2 39.4

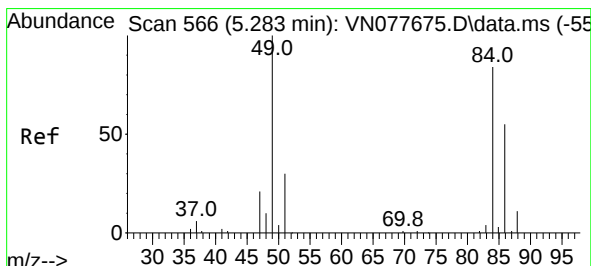
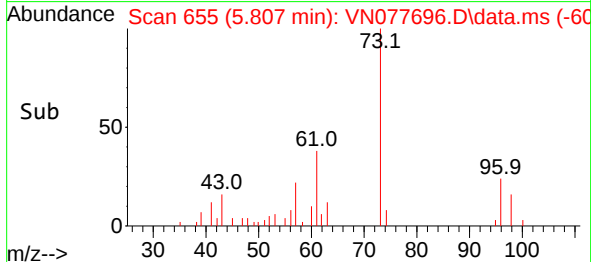
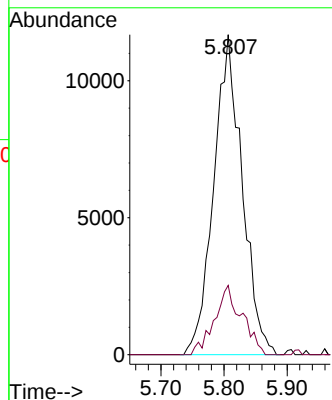
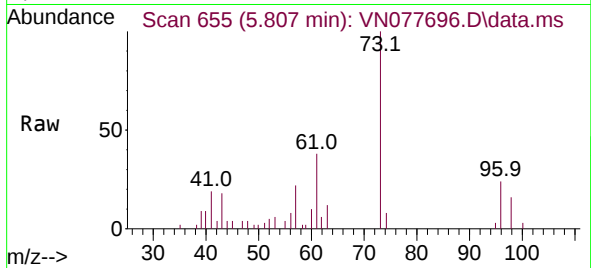




#19
Methyl tert-butyl Ether
Concen: 2.579 ug/l
RT: 5.807 min Scan# 61
Delta R.T. 0.007 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

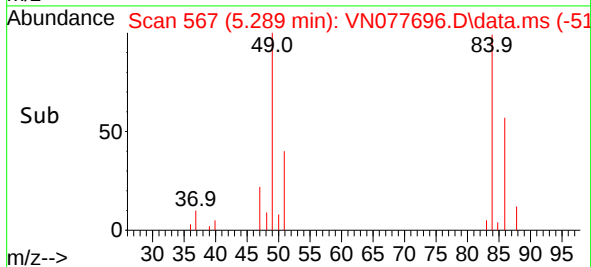
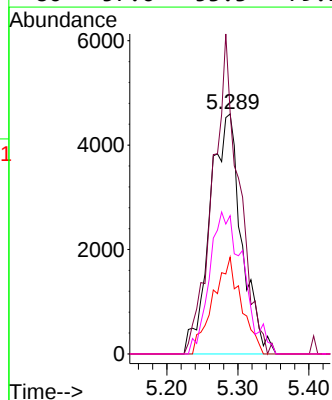
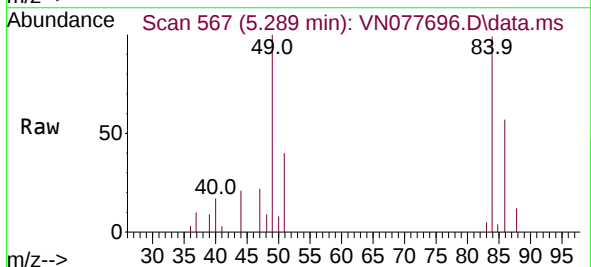
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

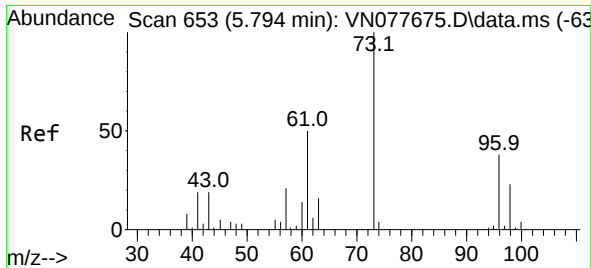
Tgt Ion: 73 Resp: 36516
Ion Ratio Lower Upper
73 100
57 21.7 15.6 23.4



#20
Methylene Chloride
Concen: 1.193 ug/l
RT: 5.289 min Scan# 567
Delta R.T. 0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 84 Resp: 14228
Ion Ratio Lower Upper
84 100
49 100.7 79.7 119.5
51 40.3 25.2 37.8#
86 57.6 53.3 79.9

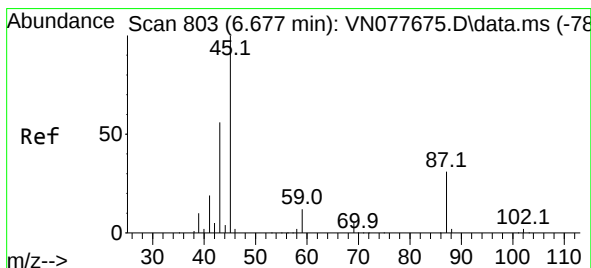
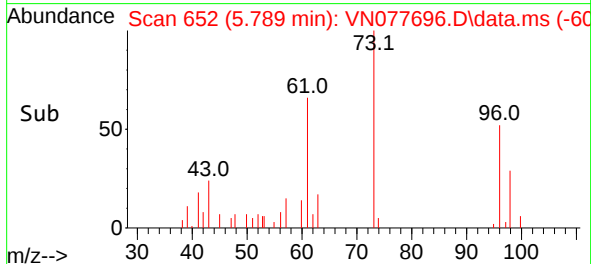
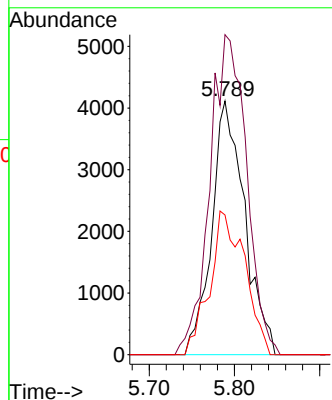
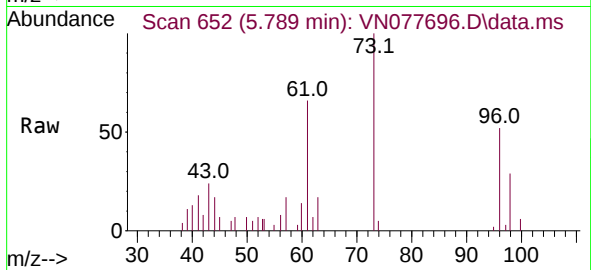




#21
trans-1,2-Dichloroethene
Concen: 2.504 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.005 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

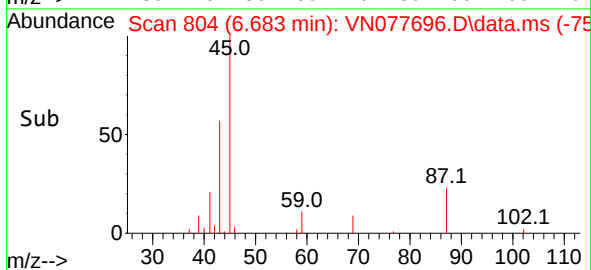
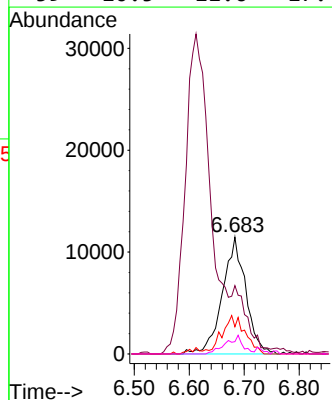
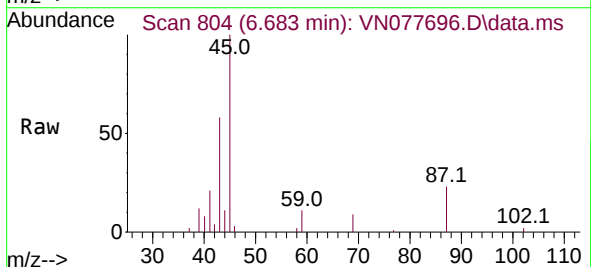
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

Tgt Ion: 96 Resp: 11003
Ion Ratio Lower Upper
96 100
61 126.2 90.1 135.1
98 55.1 46.4 69.6



#22
Diisopropyl ether
Concen: 2.513 ug/l
RT: 6.683 min Scan# 804
Delta R.T. 0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 45 Resp: 33847
Ion Ratio Lower Upper
45 100
43 54.5 45.5 68.3
87 23.3 31.8 47.8#
59 10.5 11.6 17.4#

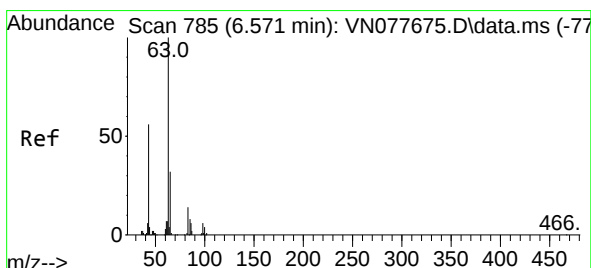
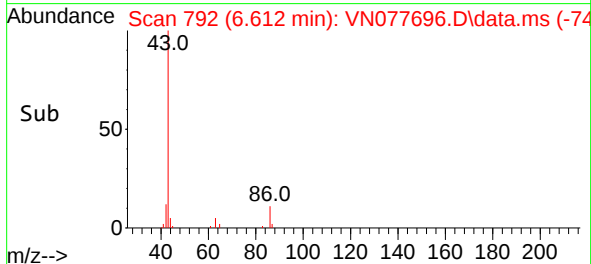
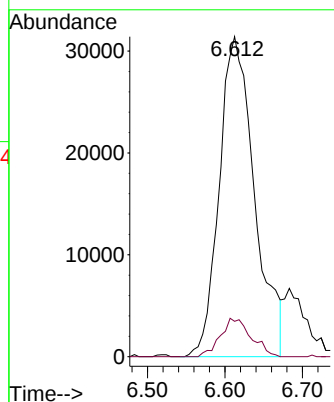
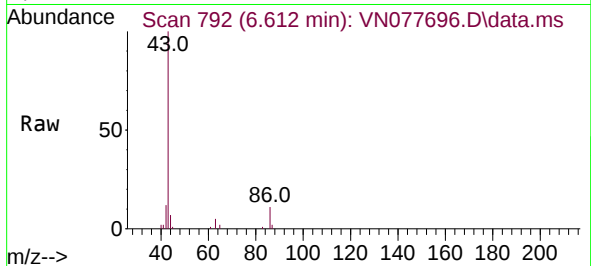




#23
 Vinyl Acetate
 Concen: 11.928 ug/l
 RT: 6.612 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN077696.D
 Acq: 16 May 2023 16:38

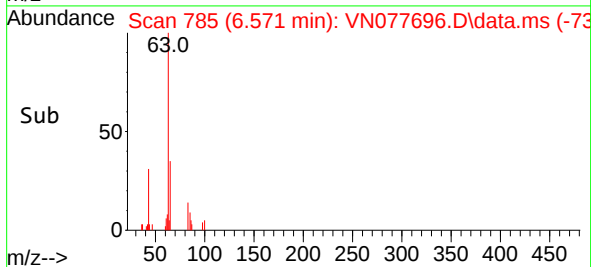
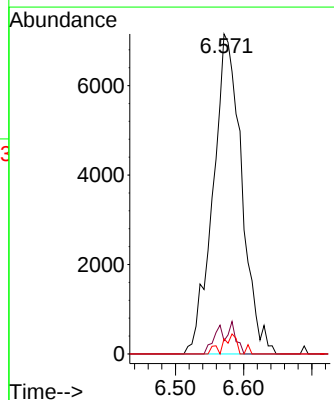
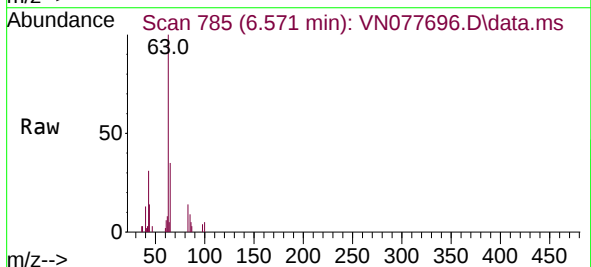
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

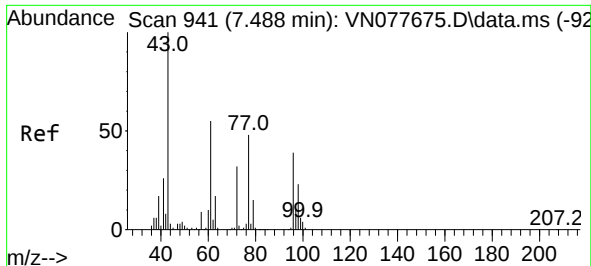
Tgt Ion: 43 Resp: 99554
 Ion Ratio Lower Upper
 43 100
 86 11.1 13.0 19.6#



#24
 1,1-Dichloroethane
 Concen: 2.531 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. 0.000 min
 Lab File: VN077696.D
 Acq: 16 May 2023 16:38

Tgt Ion: 63 Resp: 20885
 Ion Ratio Lower Upper
 63 100
 98 4.1 3.9 11.7
 100 4.7 2.5 7.4

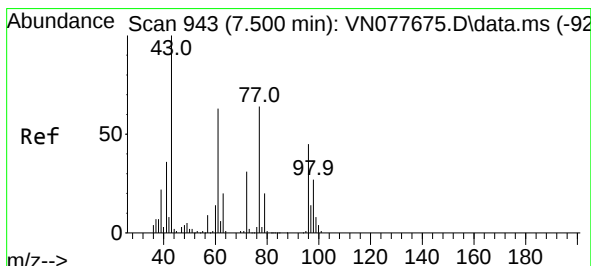
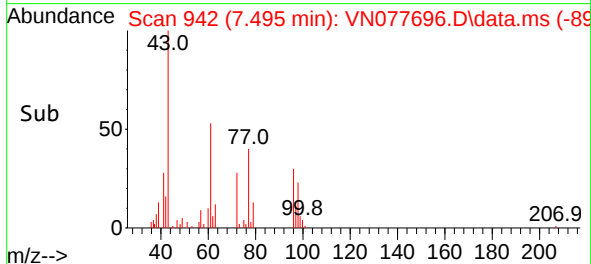
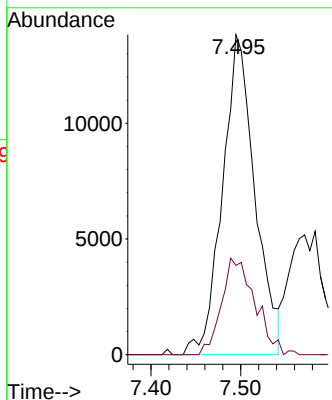
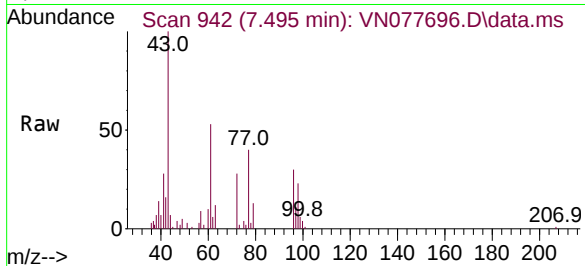




#25
2-Butanone
Concen: 12.672 ug/l
RT: 7.495 min Scan# 941
Delta R.T. 0.007 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

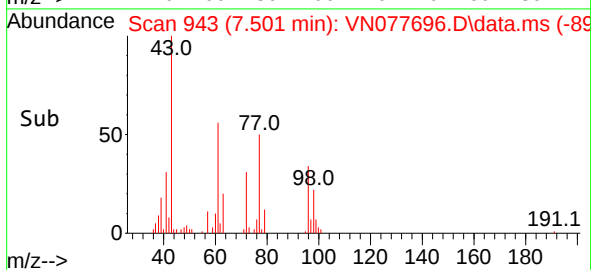
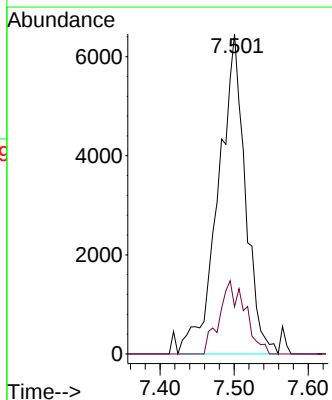
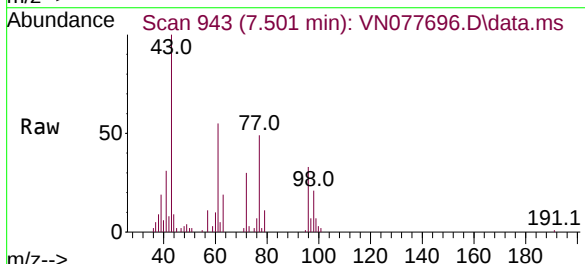
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

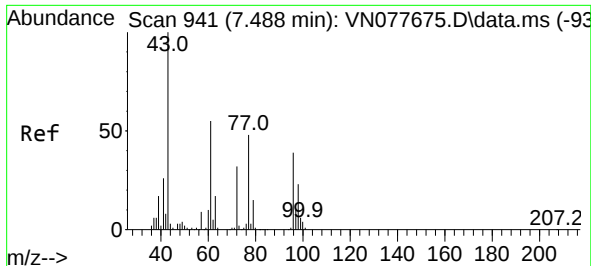
Tgt Ion: 43 Resp: 34708
Ion Ratio Lower Upper
43 100
72 27.9 30.2 45.2#



#26
2,2-Dichloropropane
Concen: 2.329 ug/l
RT: 7.501 min Scan# 943
Delta R.T. 0.001 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 77 Resp: 16331
Ion Ratio Lower Upper
77 100
97 22.0 11.2 33.6

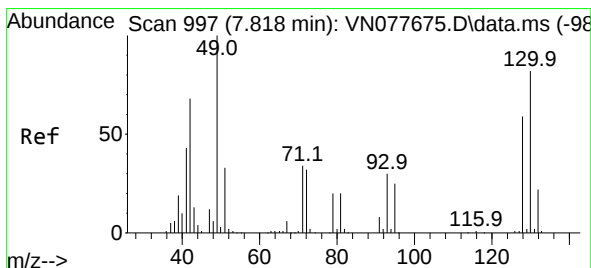
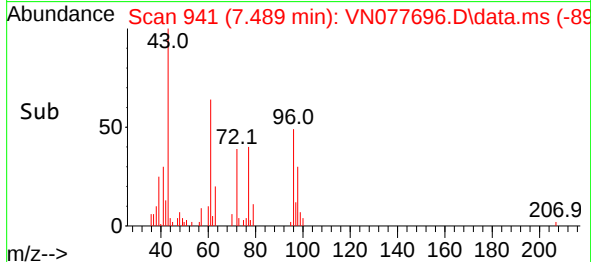
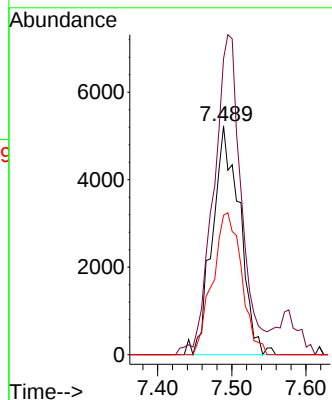
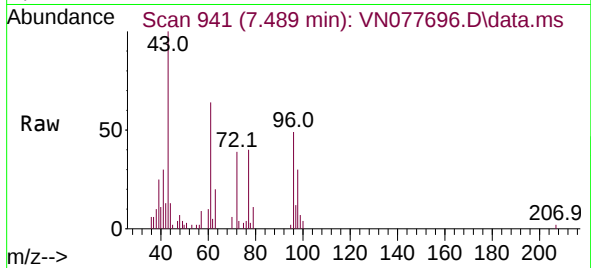




#27
 cis-1,2-Dichloroethene
 Concen: 2.533 ug/l
 RT: 7.489 min Scan# 941
 Delta R.T. 0.001 min
 Lab File: VN077696.D
 Acq: 16 May 2023 16:38

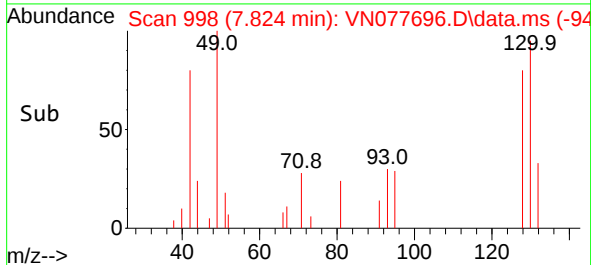
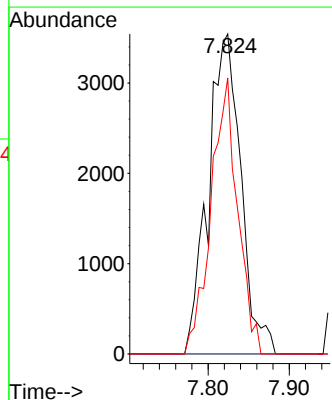
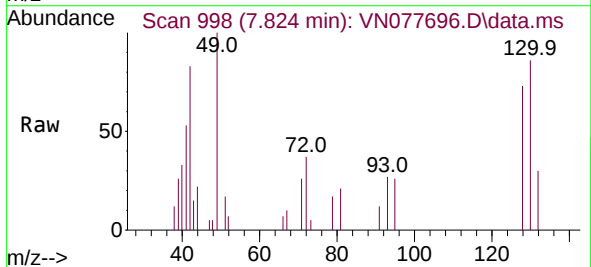
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

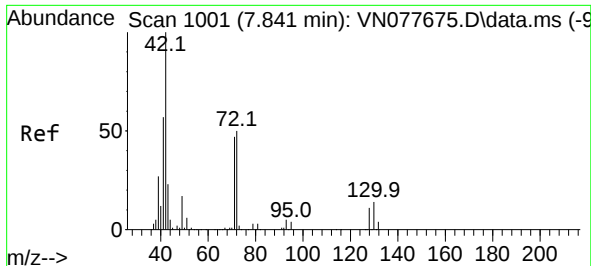
Tgt Ion: 96 Resp: 13348
 Ion Ratio Lower Upper
 96 100
 61 141.8 0.0 255.2
 98 65.8 0.0 128.8



#28
 Bromochloromethane
 Concen: 2.773 ug/l
 RT: 7.824 min Scan# 998
 Delta R.T. 0.006 min
 Lab File: VN077696.D
 Acq: 16 May 2023 16:38

Tgt Ion: 49 Resp: 9897
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.8
 130 70.5 75.3 112.9#





#29

Tetrahydrofuran

Concen: 12.680 ug/l

RT: 7.853 min Scan# 1003

Delta R.T. 0.012 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

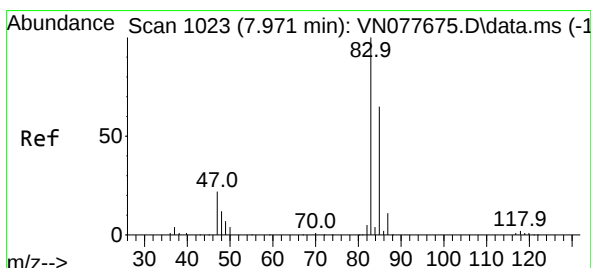
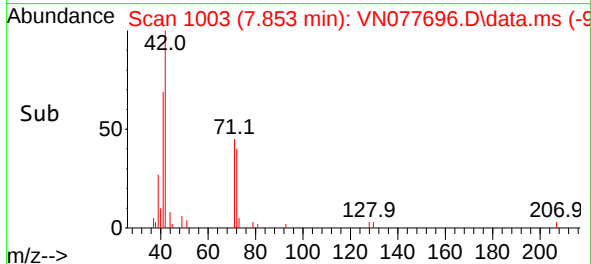
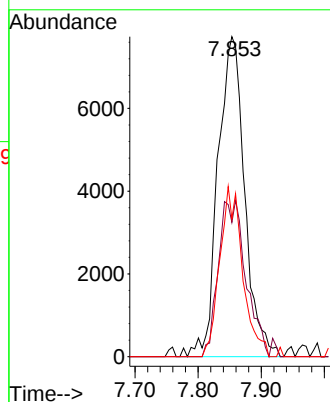
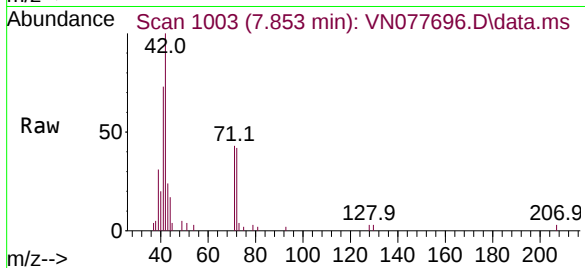
Tgt Ion: 42 Resp: 22741

Ion Ratio Lower Upper

42 100

72 50.2 49.8 74.6

71 45.5 47.4 71.2#



#30

Chloroform

Concen: 2.481 ug/l

RT: 7.971 min Scan# 1023

Delta R.T. 0.000 min

Lab File: VN077696.D

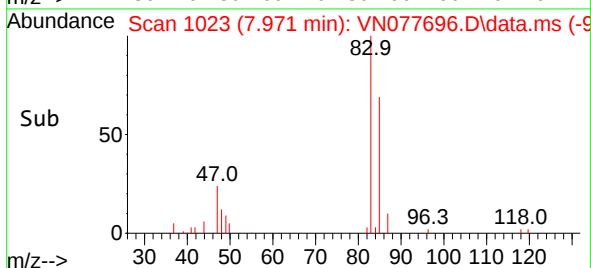
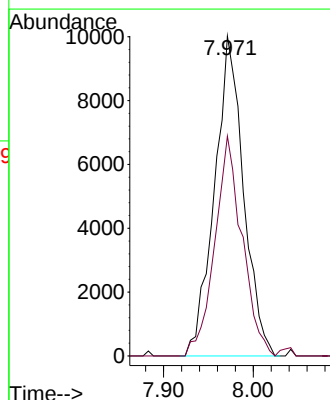
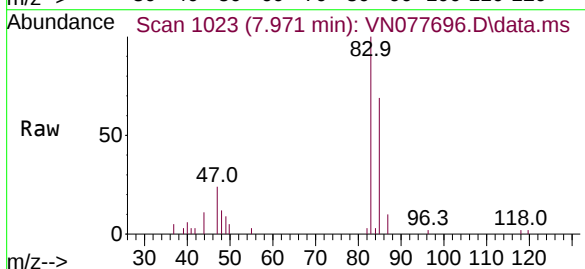
Acq: 16 May 2023 16:38

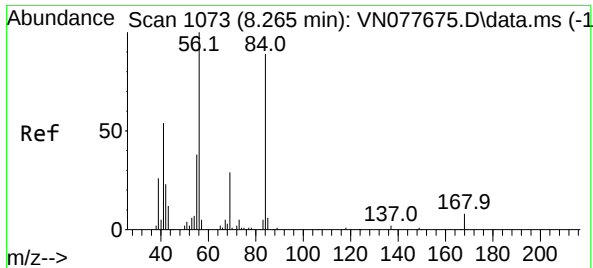
Tgt Ion: 83 Resp: 22527

Ion Ratio Lower Upper

83 100

85 68.7 55.4 83.0

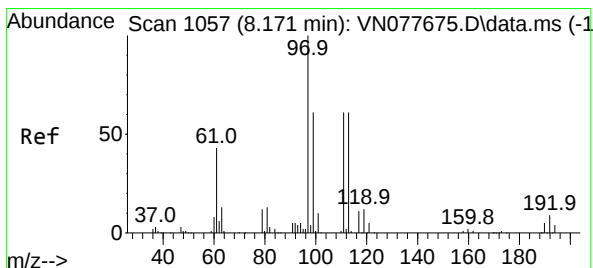
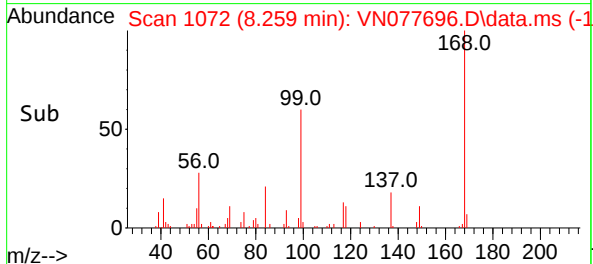
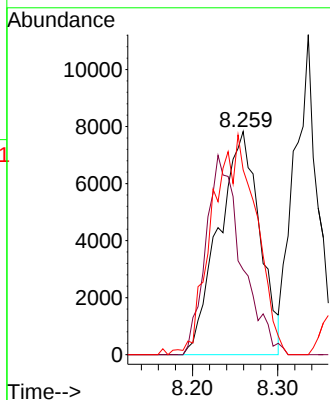
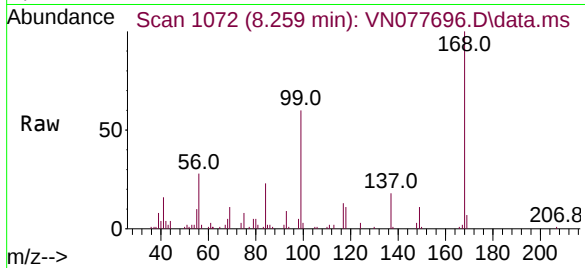




#31
Cyclohexane
Concen: 3.459 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

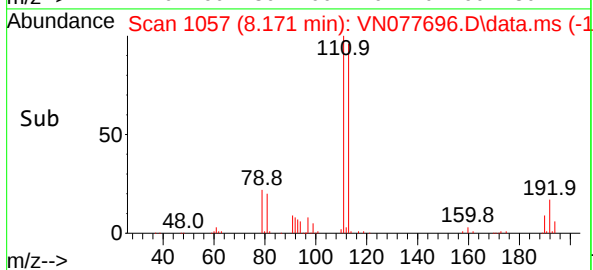
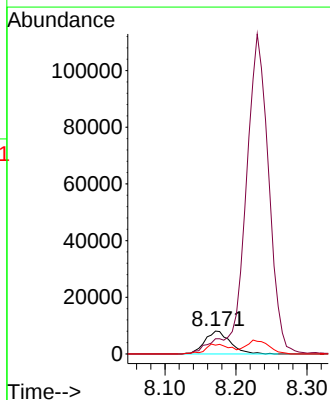
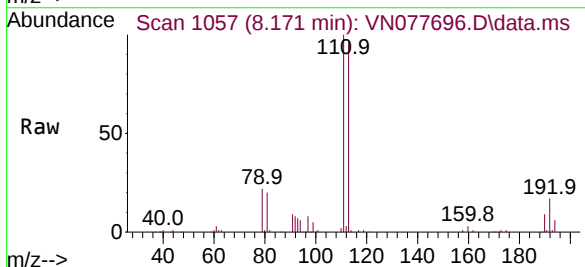
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2023

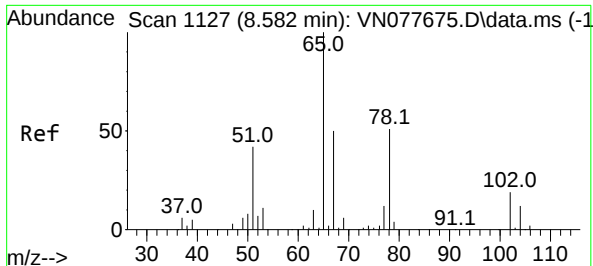
Tgt Ion: 56 Resp: 26167
Ion Ratio Lower Upper
56 100
69 38.1 26.8 40.2
84 80.6 81.8 122.6#



#32
1,1,1-Trichloroethane
Concen: 2.607 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 97 Resp: 20119
Ion Ratio Lower Upper
97 100
99 0.0 50.3 75.5#
61 41.5 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 54.240 ug/l

RT: 8.589 min Scan# 1127

Delta R.T. 0.007 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

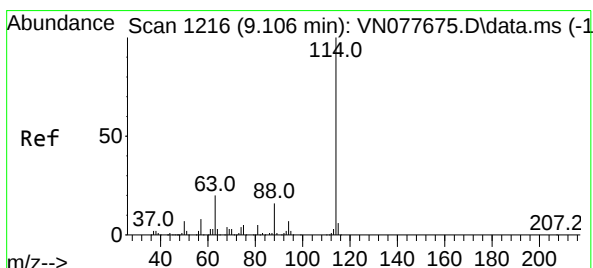
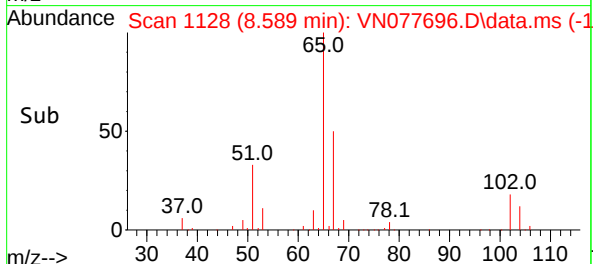
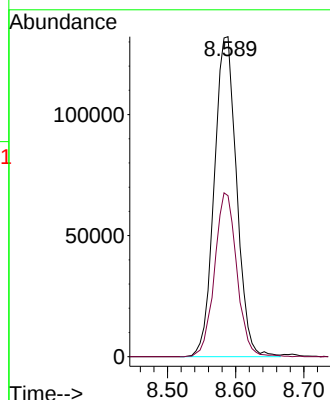
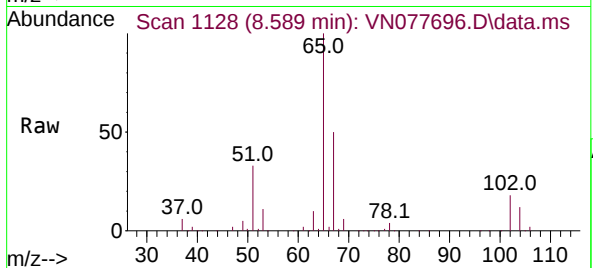
LOD-MDL-WATER-01-QT2-2023

Tgt Ion: 65 Resp: 301868

Ion Ratio Lower Upper

65 100

67 51.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

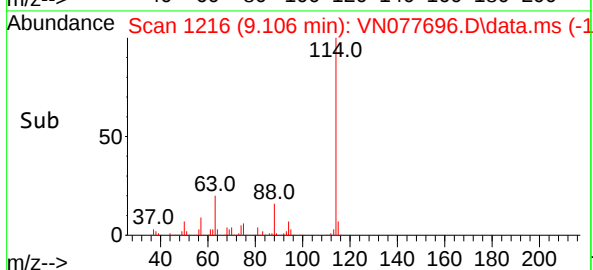
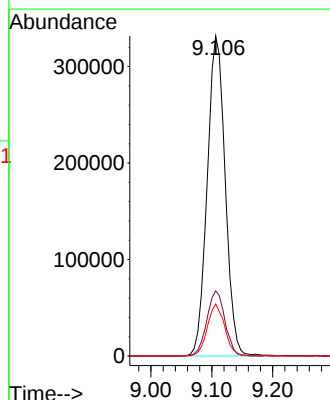
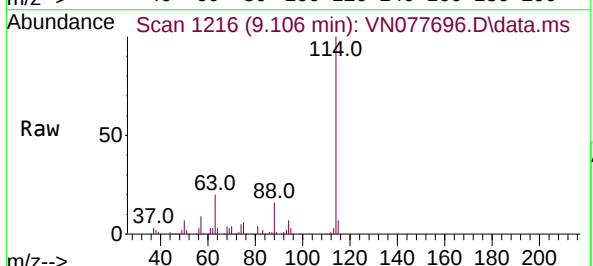
Tgt Ion: 114 Resp: 681862

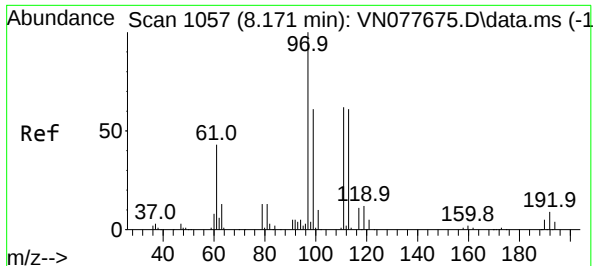
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

88 16.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.817 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VN077696.D

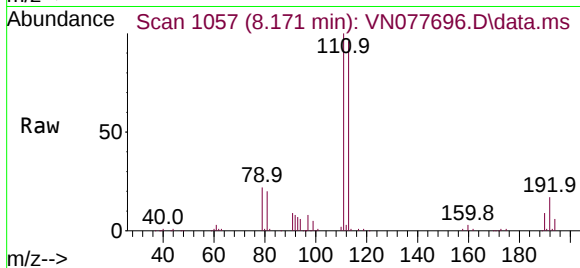
Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023



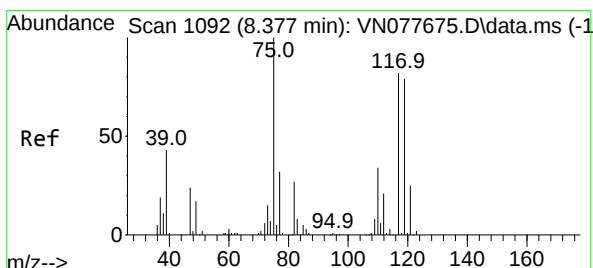
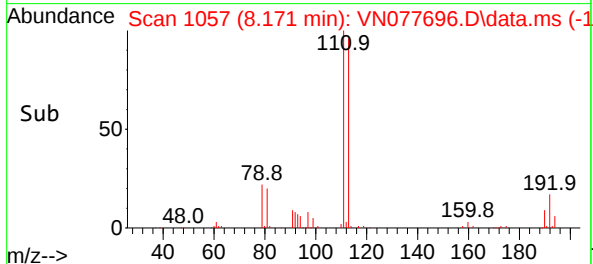
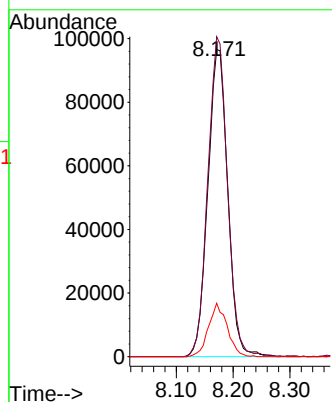
Tgt Ion:113 Resp: 234842

Ion Ratio Lower Upper

113 100

111 103.0 82.6 123.8

192 16.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 2.721 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.006 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

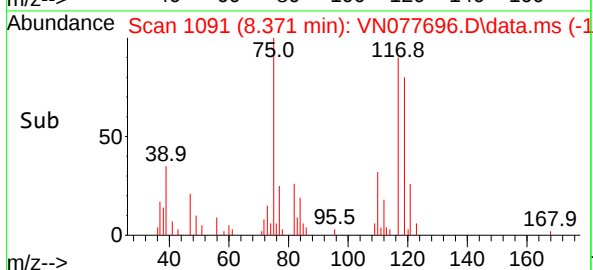
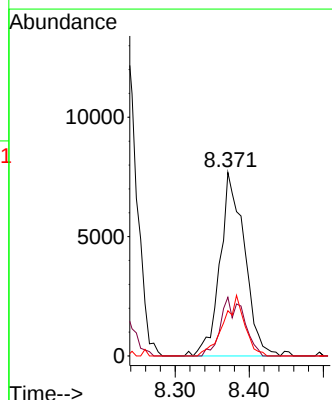
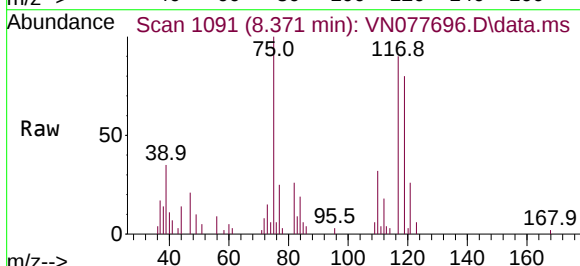
Tgt Ion: 75 Resp: 17693

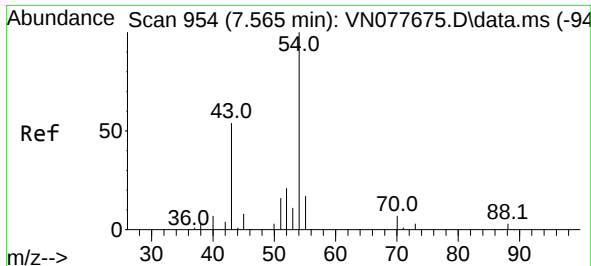
Ion Ratio Lower Upper

75 100

110 30.4 19.1 57.3

77 28.6 25.0 37.4

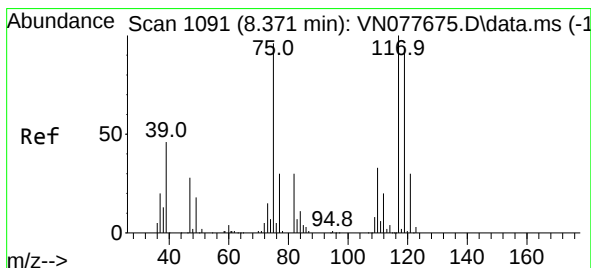
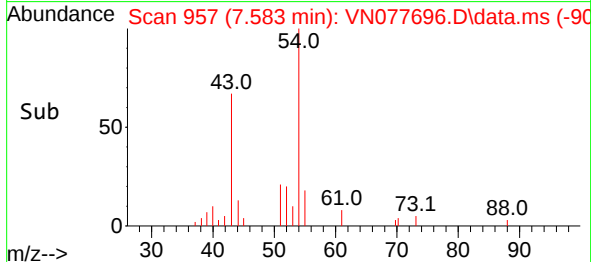
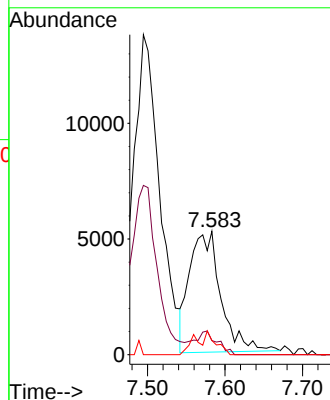
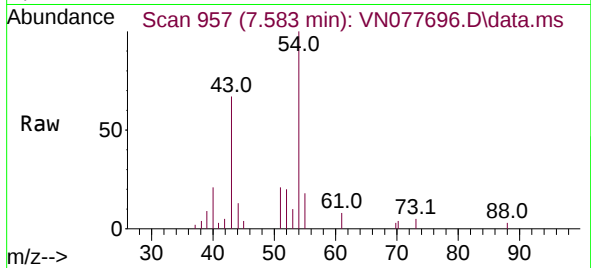




#37
Ethyl Acetate
Concen: 2.511 ug/l
RT: 7.583 min Scan# 91
Delta R.T. 0.018 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

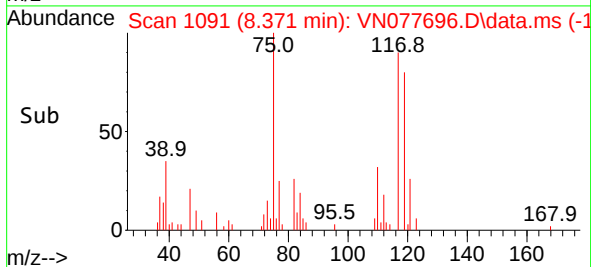
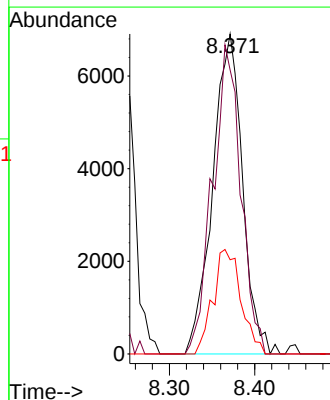
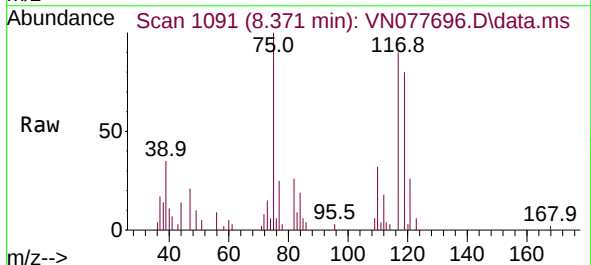
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

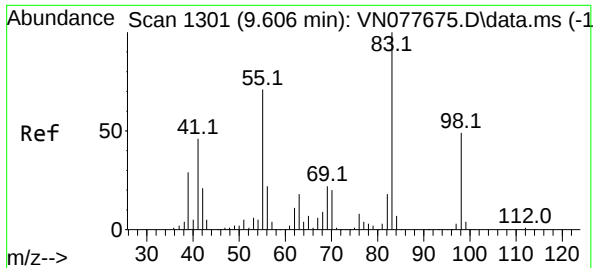
Tgt Ion: 43 Resp: 14557
Ion Ratio Lower Upper
43 100
61 13.1 13.2 19.8#
70 6.7 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 2.560 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 117 Resp: 16809
Ion Ratio Lower Upper
117 100
119 88.7 77.3 115.9
121 29.5 23.3 34.9





#39

Methylcyclohexane

Concen: 2.477 ug/l

RT: 9.612 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

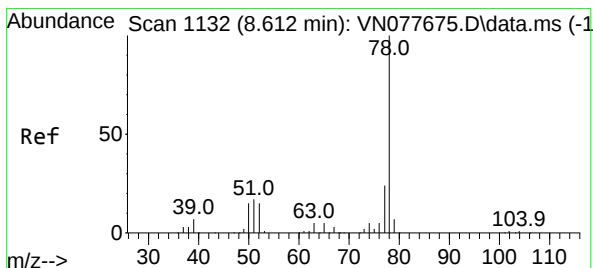
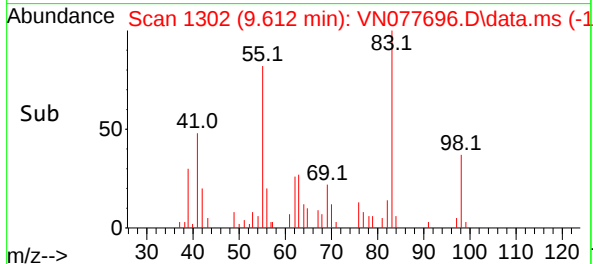
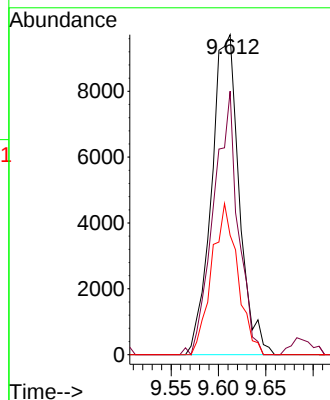
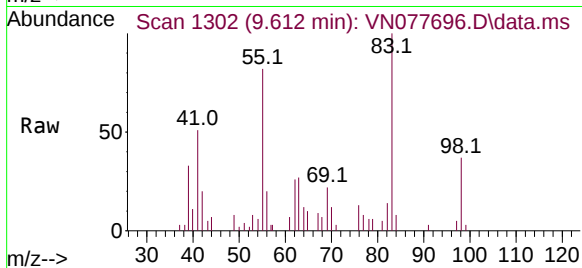
Tgt Ion: 83 Resp: 19720

Ion Ratio Lower Upper

83 100

55 82.4 49.1 73.7#

98 37.3 40.6 61.0#



#40

Benzene

Concen: 2.554 ug/l

RT: 8.612 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VN077696.D

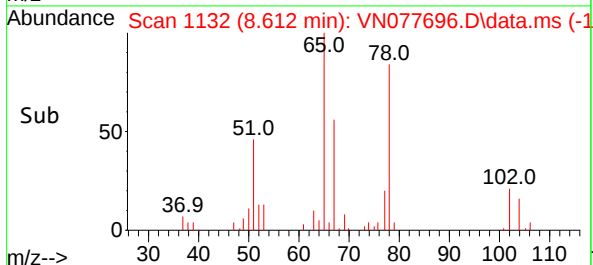
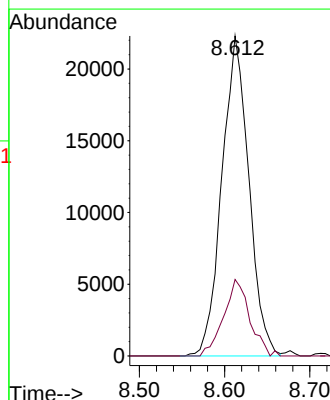
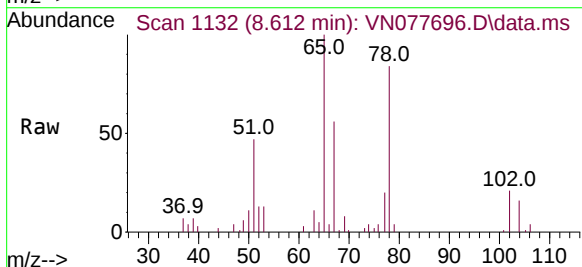
Acq: 16 May 2023 16:38

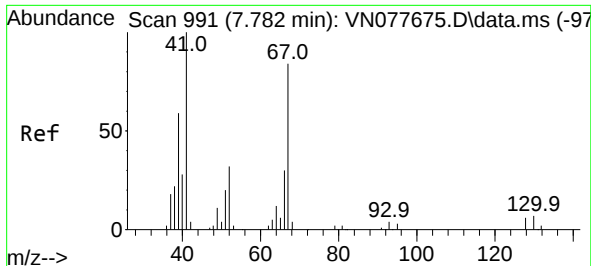
Tgt Ion: 78 Resp: 49022

Ion Ratio Lower Upper

78 100

77 23.9 19.0 28.6

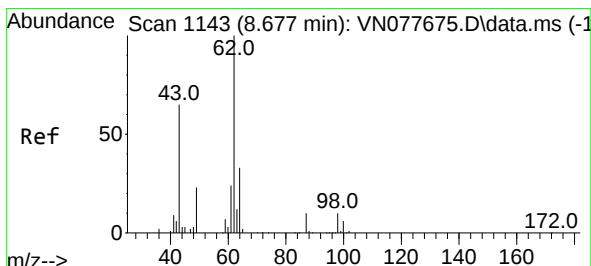
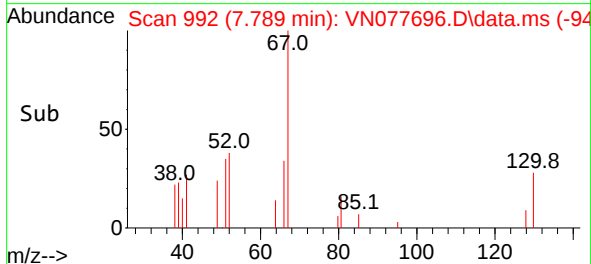
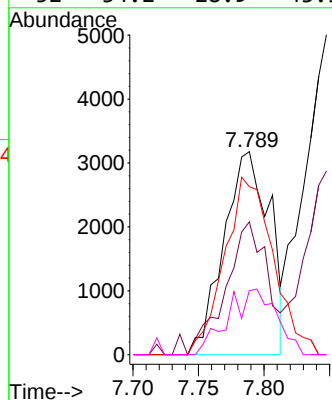
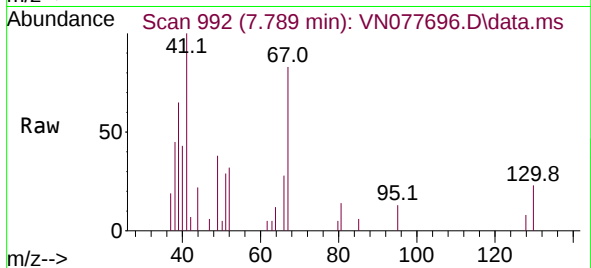




#41
Methacrylonitrile
Concen: 2.506 ug/l
RT: 7.789 min Scan# 991
Delta R.T. 0.007 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

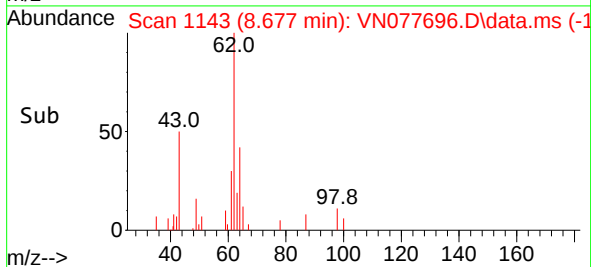
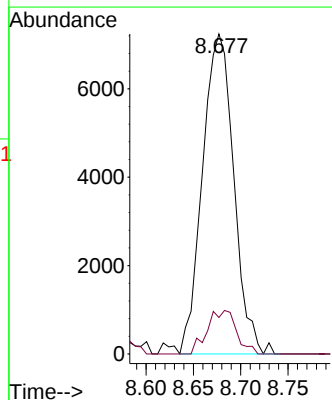
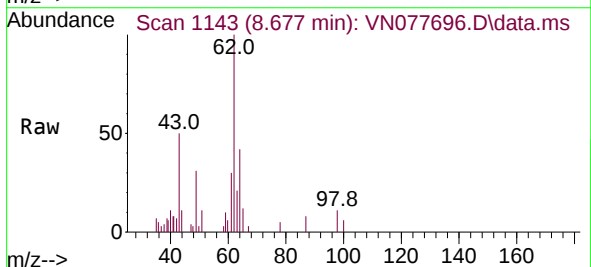
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

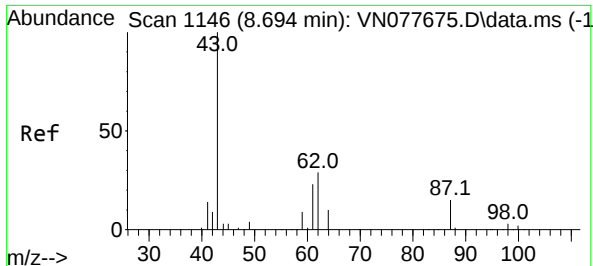
Tgt Ion:	41	Resp:	7737
Ion	Ratio	Lower	Upper
41	100		
39	60.8	42.6	64.0
67	92.7	77.5	116.3
52	34.2	28.9	43.3



#42
1,2-Dichloroethane
Concen: 2.390 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion:	62	Resp:	16661
Ion	Ratio	Lower	Upper
62	100		
98	12.7	0.0	19.8

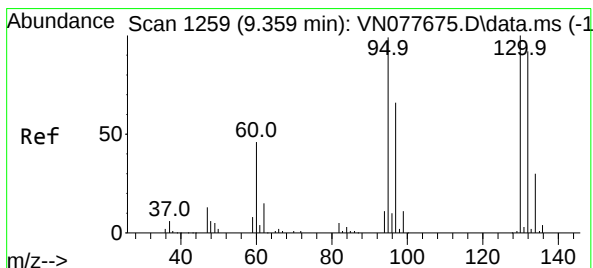
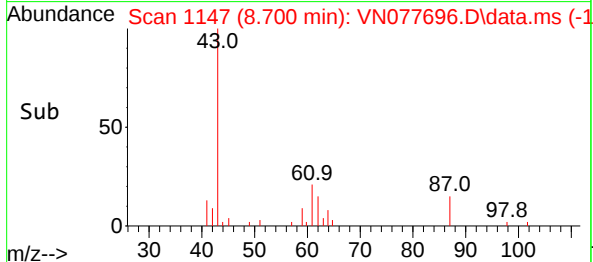
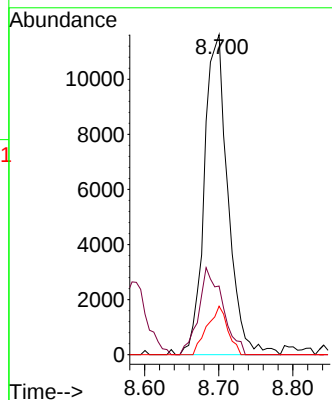
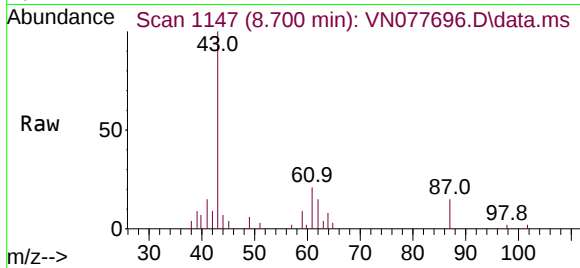




#43
Isopropyl Acetate
Concen: 2.719 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

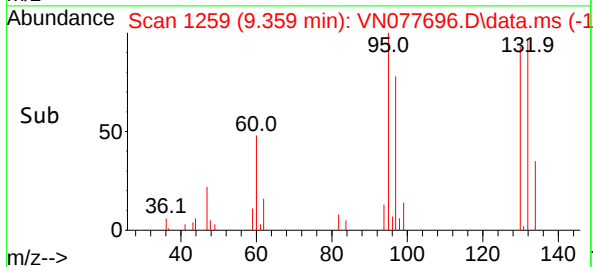
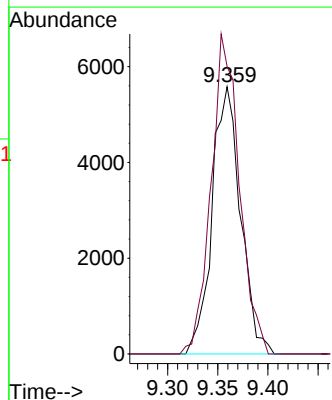
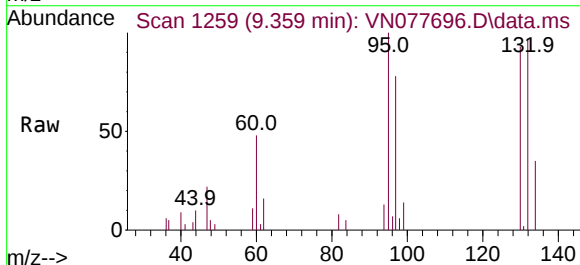
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2023

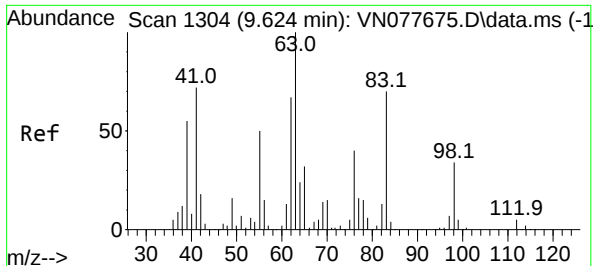
Tgt Ion: 43 Resp: 25743
Ion Ratio Lower Upper
43 100
61 27.7 24.7 37.1
87 13.1 14.6 21.8#



#44
Trichloroethene
Concen: 2.274 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion:130 Resp: 11048
Ion Ratio Lower Upper
130 100
95 107.6 0.0 204.6





#45

1,2-Dichloropropane

Concen: 2.431 ug/l

RT: 9.624 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

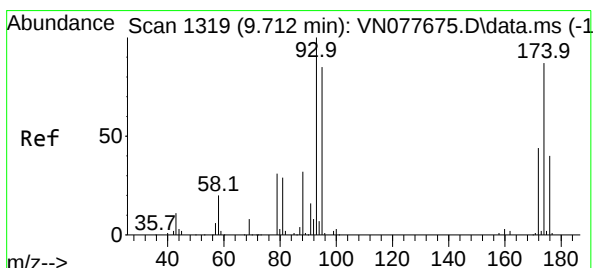
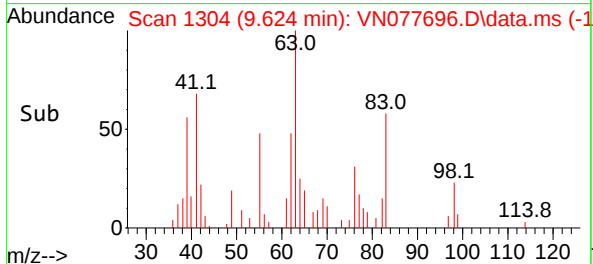
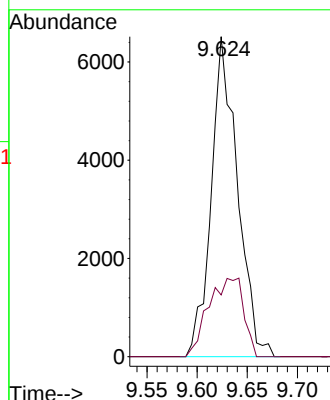
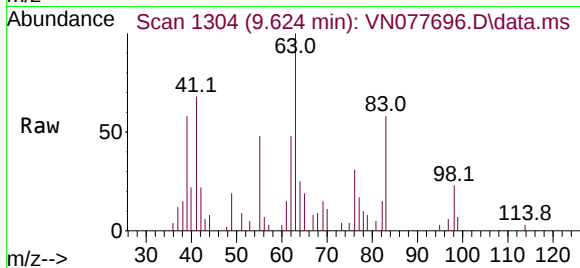
LOD-MDL-WATER-01-QT2-2023

Tgt Ion: 63 Resp: 11902

Ion Ratio Lower Upper

63 100

65 19.3 23.9 35.9#



#46

Dibromomethane

Concen: 2.593 ug/l

RT: 9.712 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

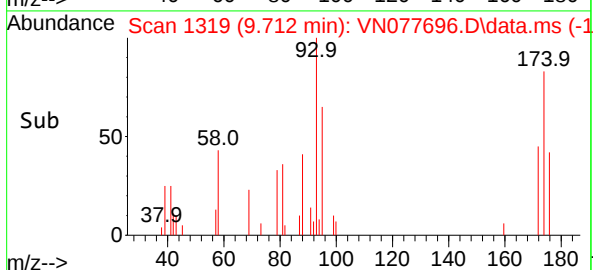
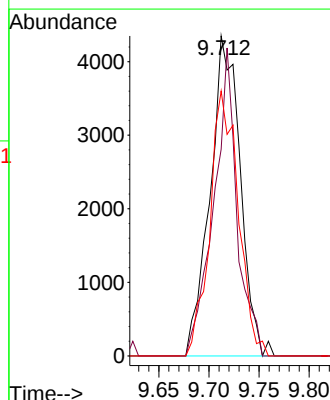
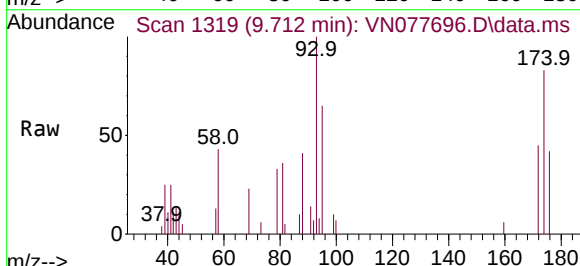
Tgt Ion: 93 Resp: 9082

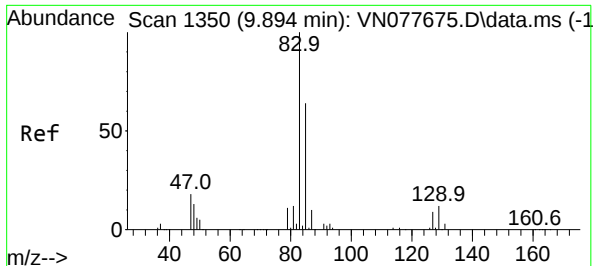
Ion Ratio Lower Upper

93 100

95 74.5 63.8 95.8

174 78.2 65.6 98.4





#47

Bromodichloromethane

Concen: 2.400 ug/l

RT: 9.895 min Scan# 1350

Delta R.T. 0.001 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

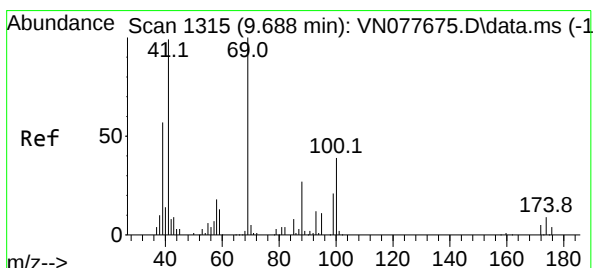
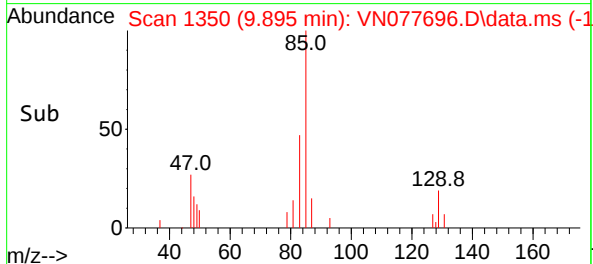
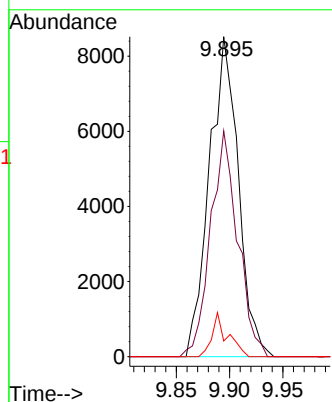
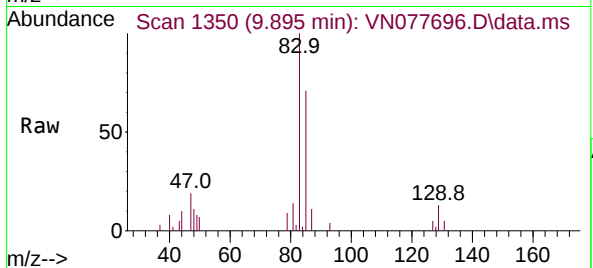
Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

Tgt Ion:	83	Resp:	16093
Ion	Ratio	Lower	Upper
83	100		
85	70.6	49.6	74.4
127	4.9	7.0	10.6



#48

Methyl methacrylate

Concen: 2.768 ug/l

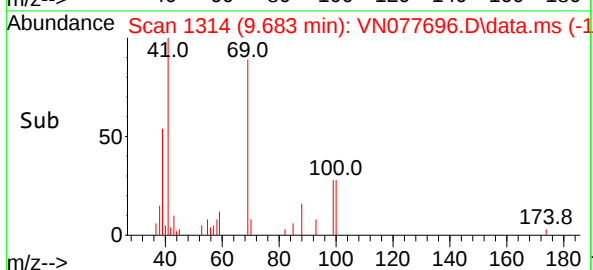
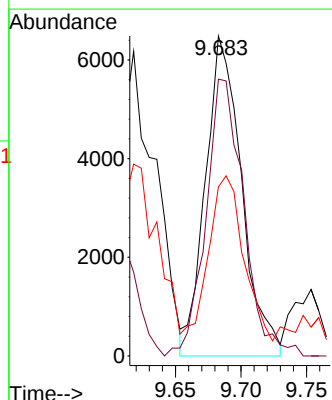
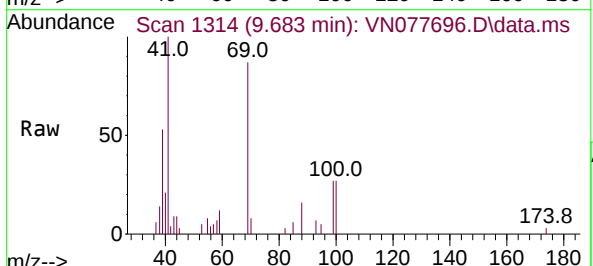
RT: 9.683 min Scan# 1314

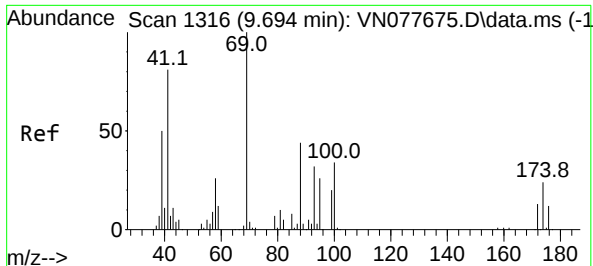
Delta R.T. -0.005 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Tgt Ion:	41	Resp:	12426
Ion	Ratio	Lower	Upper
41	100		
69	90.4	90.4	135.6
39	58.2	54.6	81.8





#49

1,4-Dioxane

Concen: 52.627 ug/l

RT: 9.706 min Scan# 1316

Delta R.T. 0.012 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

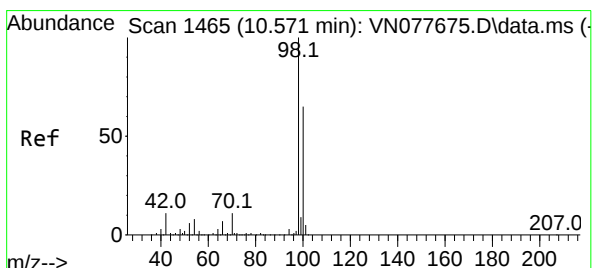
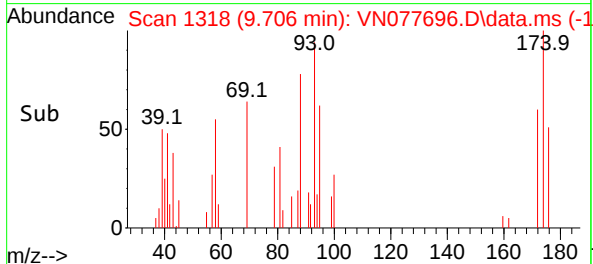
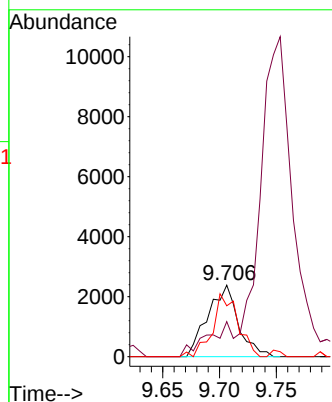
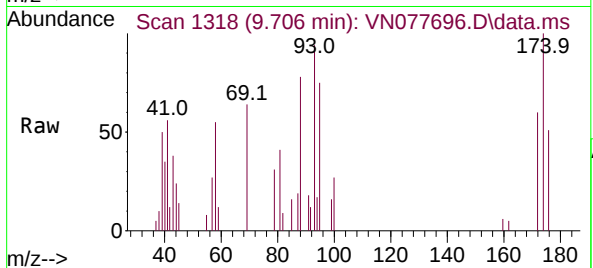
Tgt Ion: 88 Resp: 4462

Ion Ratio Lower Upper

88 100

43 0.0 17.0 25.6#

58 73.0 47.0 70.4#



#50

Toluene-d8

Concen: 52.111 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN077696.D

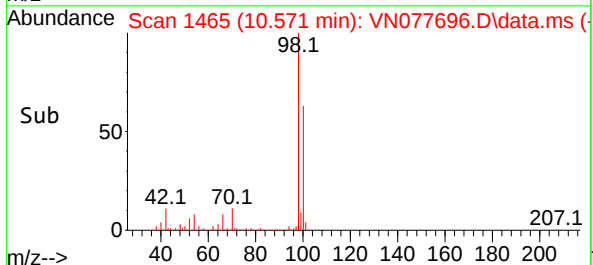
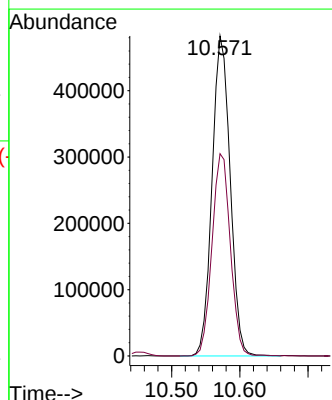
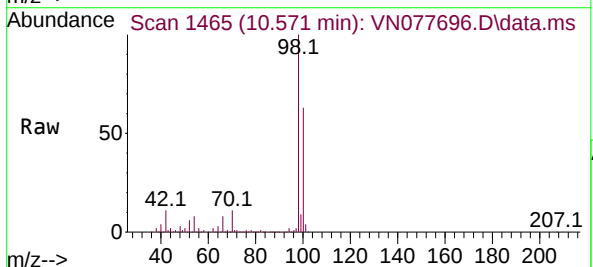
Acq: 16 May 2023 16:38

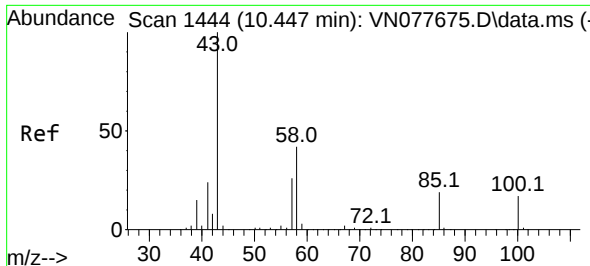
Tgt Ion: 98 Resp: 891845

Ion Ratio Lower Upper

98 100

100 64.1 52.0 78.0

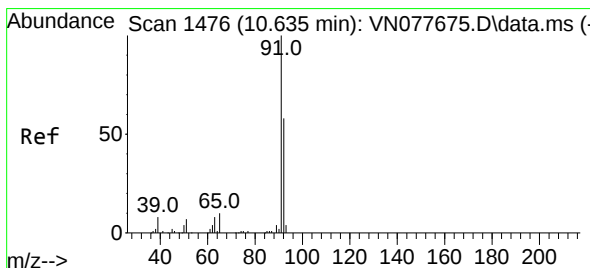
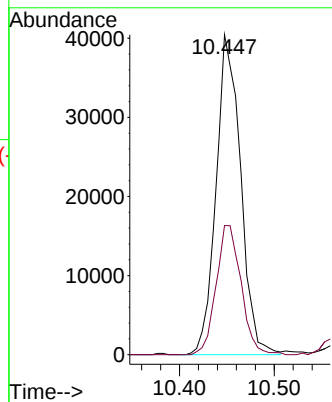
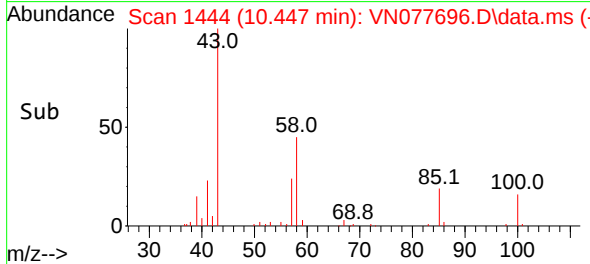
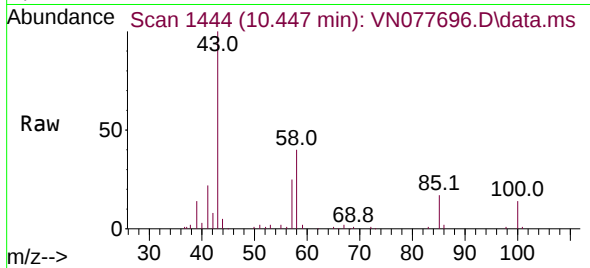




#51
4-Methyl-2-Pentanone
Concen: 12.918 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

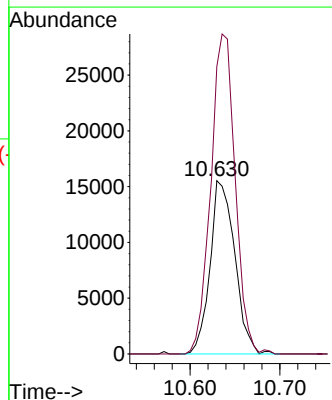
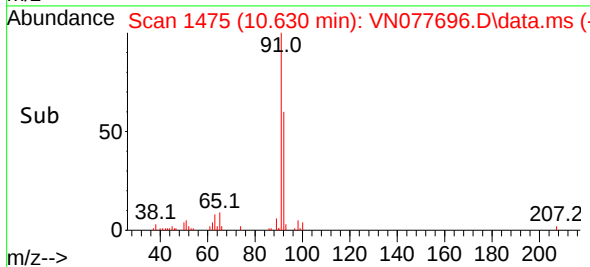
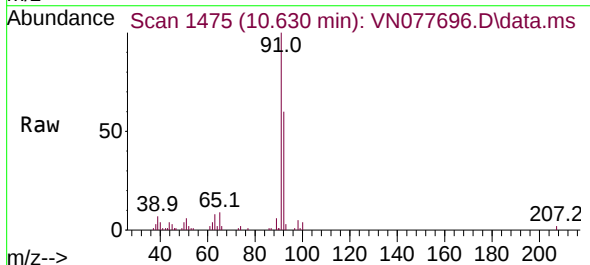
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

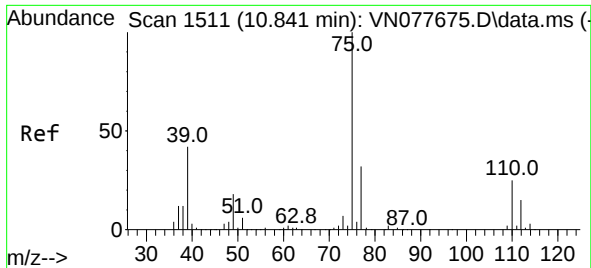
Tgt Ion: 43 Resp: 72700
Ion Ratio Lower Upper
43 100
58 41.1 36.6 54.8



#52
Toluene
Concen: 2.488 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. -0.005 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 92 Resp: 29723
Ion Ratio Lower Upper
92 100
91 182.8 137.4 206.0

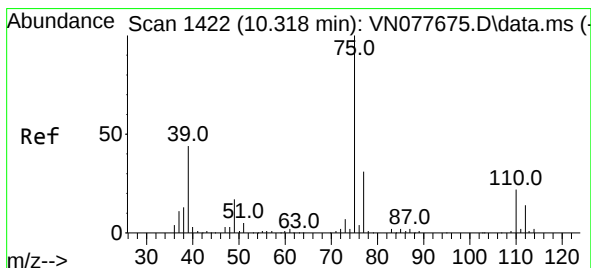
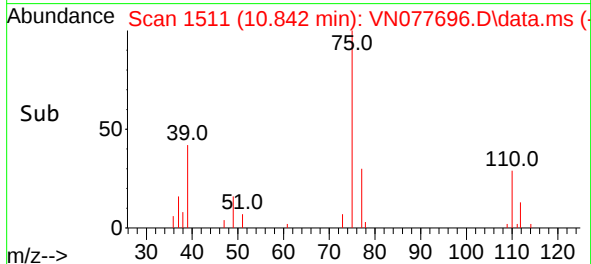
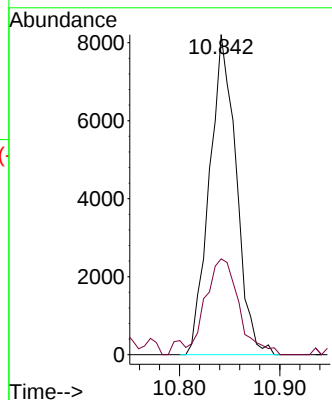
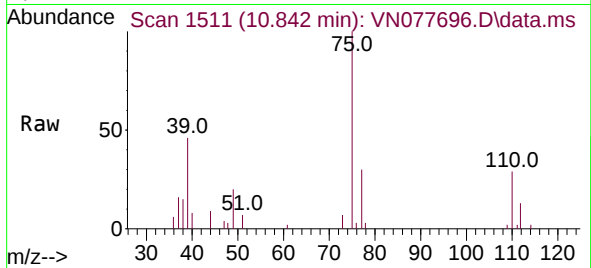




#53
 t-1,3-Dichloropropene
 Concen: 2.143 ug/l
 RT: 10.842 min Scan# 1511
 Delta R.T. 0.001 min
 Lab File: VN077696.D
 Acq: 16 May 2023 16:38

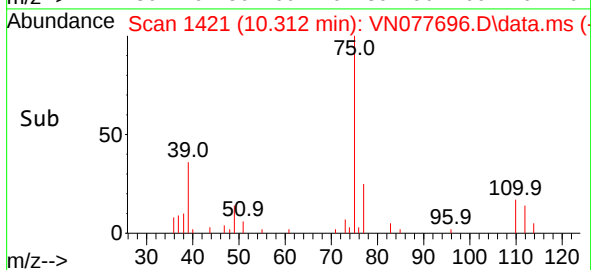
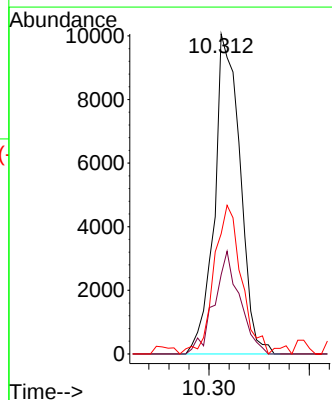
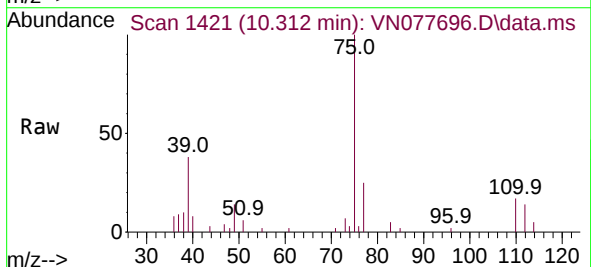
Instrument : MSVOA_N
 ClientSampleId : LOD-MDL-WATER-01-QT2-2023

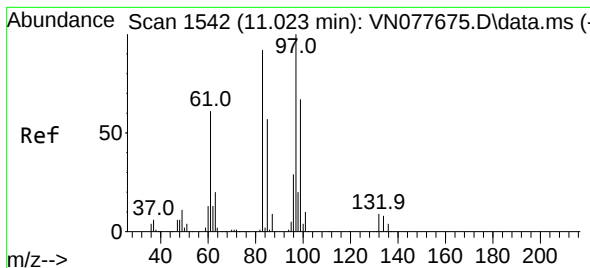
Tgt Ion: 75 Resp: 15218
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 2.280 ug/l
 RT: 10.312 min Scan# 1421
 Delta R.T. -0.006 min
 Lab File: VN077696.D
 Acq: 16 May 2023 16:38

Tgt Ion: 75 Resp: 17840
 Ion Ratio Lower Upper
 75 100
 77 24.7 26.1 39.1#
 39 37.6 31.6 47.4





#55

1,1,2-Trichloroethane

Concen: 2.549 ug/l

RT: 11.024 min Scan# 11

Delta R.T. 0.001 min

Lab File: VN077696.D

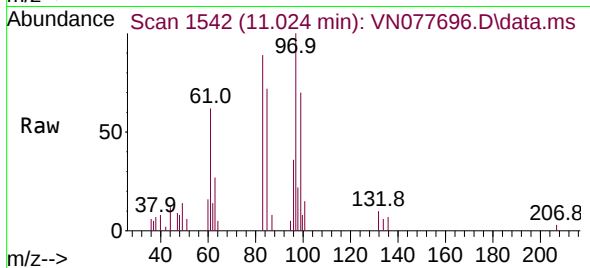
Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023



Tgt Ion: 97 Resp: 12092

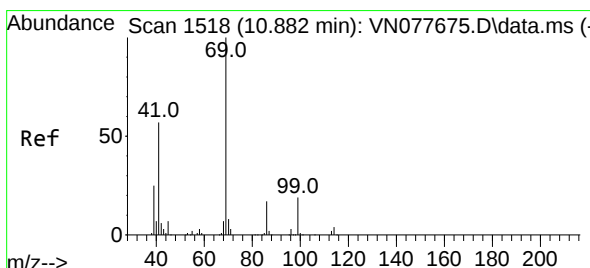
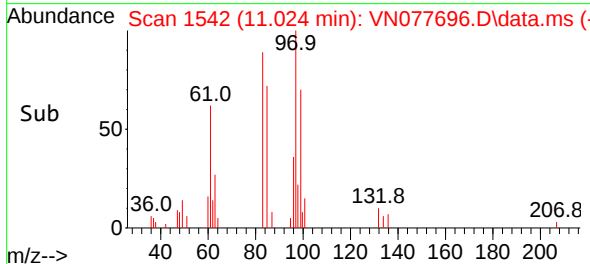
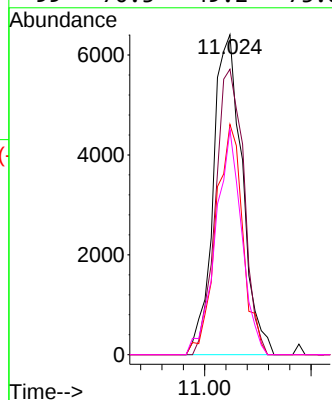
Ion Ratio Lower Upper

97 100

83 89.2 65.1 97.7

85 72.0 43.4 65.2#

99 70.3 49.2 73.8



#56

Ethyl methacrylate

Concen: 2.472 ug/l

RT: 10.877 min Scan# 1517

Delta R.T. -0.005 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

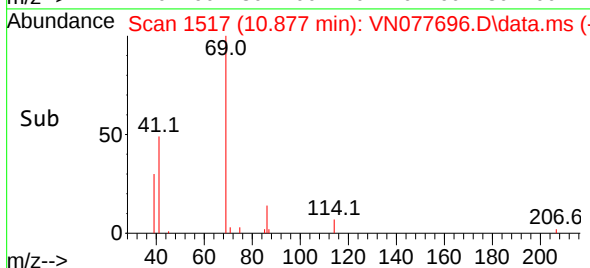
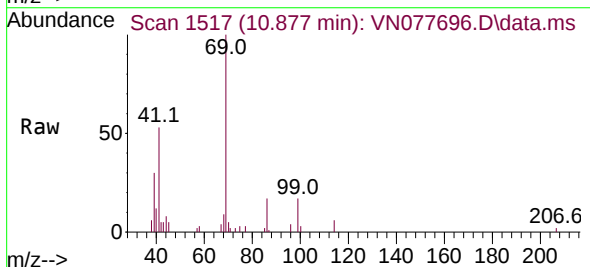
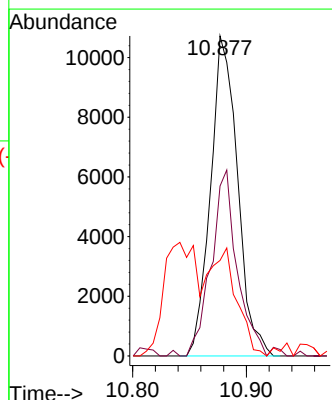
Tgt Ion: 69 Resp: 17730

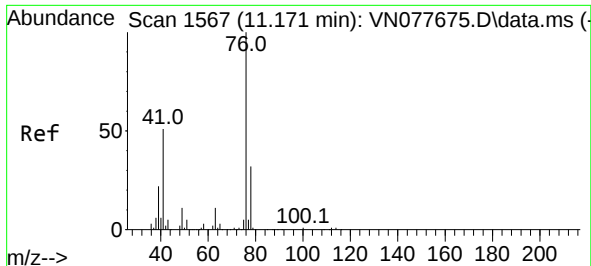
Ion Ratio Lower Upper

69 100

41 56.9 39.6 59.4

39 30.0 28.6 43.0





#57

1,3-Dichloropropane

Concen: 2.581 ug/l

RT: 11.171 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

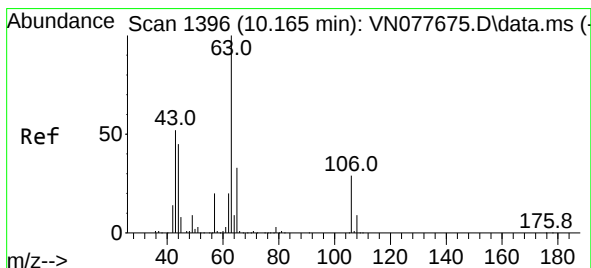
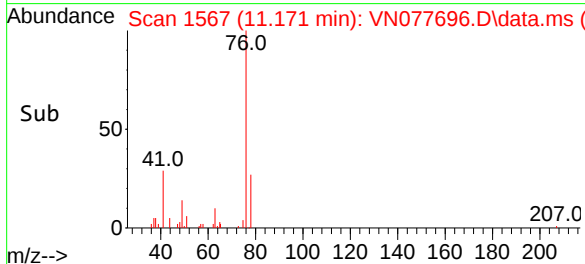
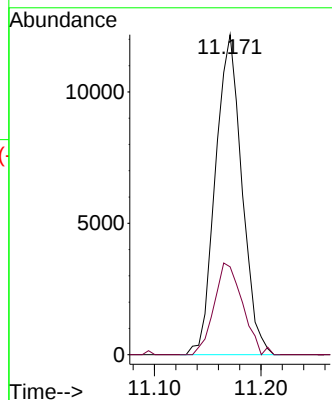
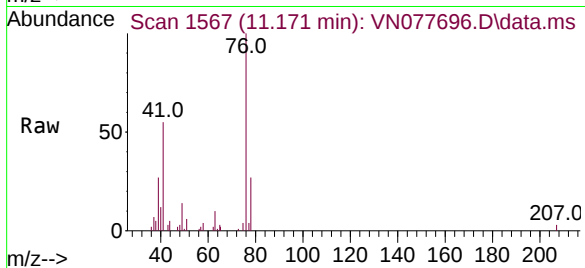
LOD-MDL-WATER-01-QT2-2023

Tgt Ion: 76 Resp: 20992

Ion Ratio Lower Upper

76 100

78 30.8 26.1 39.1



#58

2-Chloroethyl Vinyl ether

Concen: 12.069 ug/l

RT: 10.165 min Scan# 1396

Delta R.T. 0.000 min

Lab File: VN077696.D

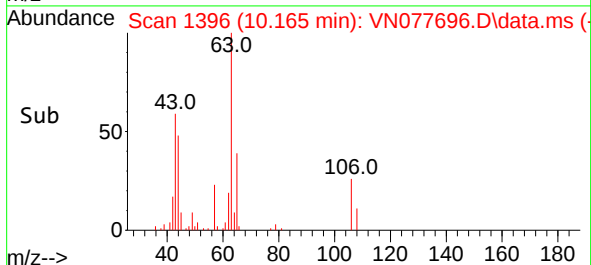
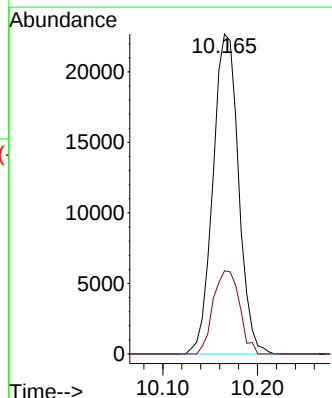
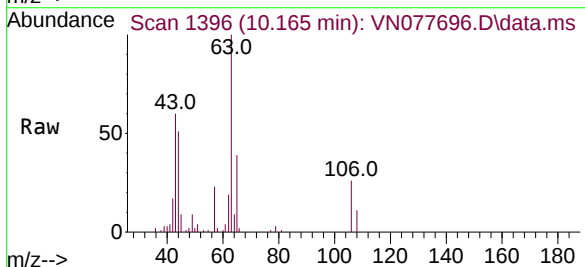
Acq: 16 May 2023 16:38

Tgt Ion: 63 Resp: 42589

Ion Ratio Lower Upper

63 100

106 26.7 26.2 39.4

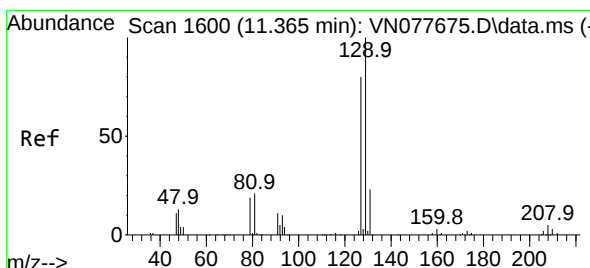
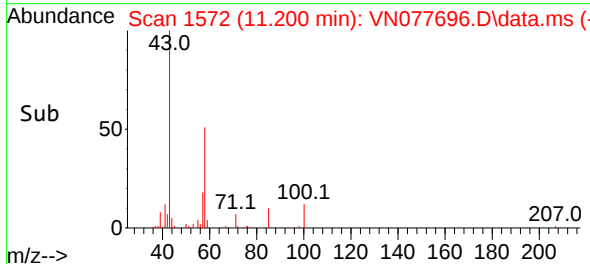
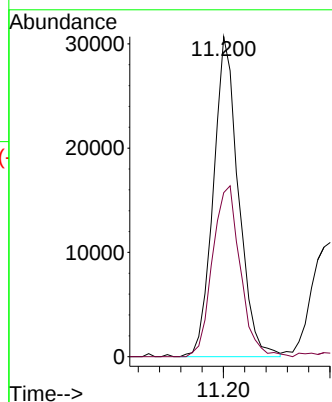
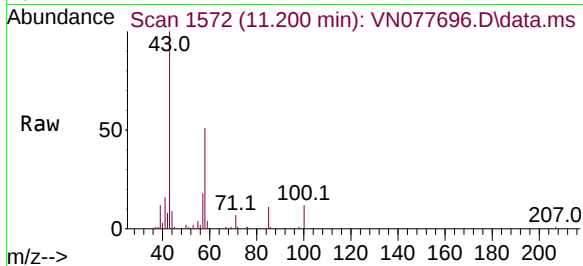




#59
2-Hexanone
Concen: 12.053 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

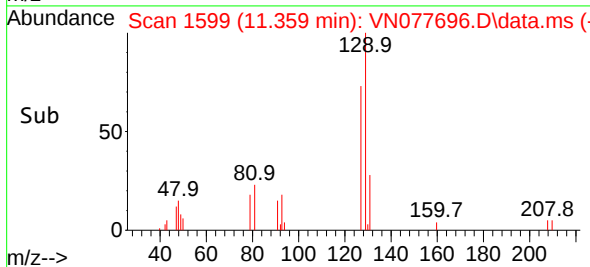
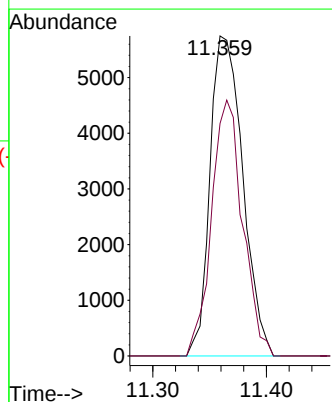
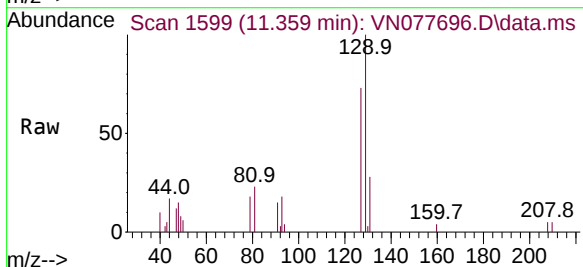
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

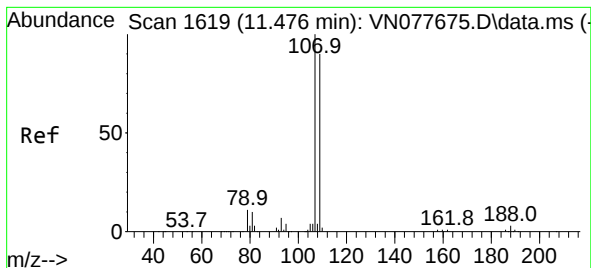
Tgt Ion: 43 Resp: 50175
Ion Ratio Lower Upper
43 100
58 58.9 31.7 95.1



#60
Dibromochloromethane
Concen: 2.351 ug/l
RT: 11.359 min Scan# 1599
Delta R.T. -0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 129 Resp: 11512
Ion Ratio Lower Upper
129 100
127 76.1 38.6 116.0





#61

1,2-Dibromoethane

Concen: 2.614 ug/l

RT: 11.477 min Scan# 1

Delta R.T. 0.001 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

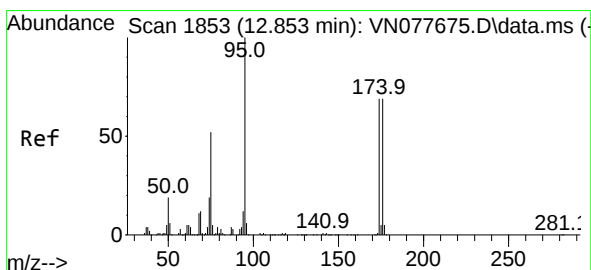
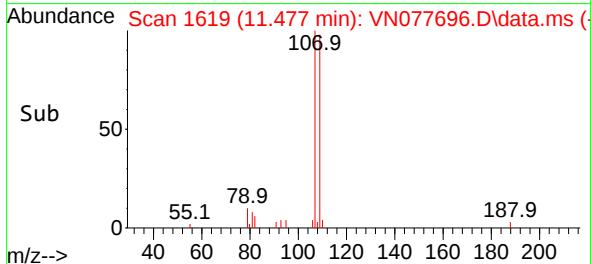
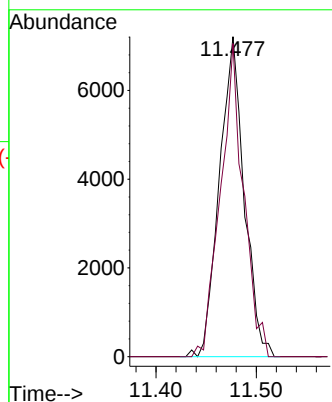
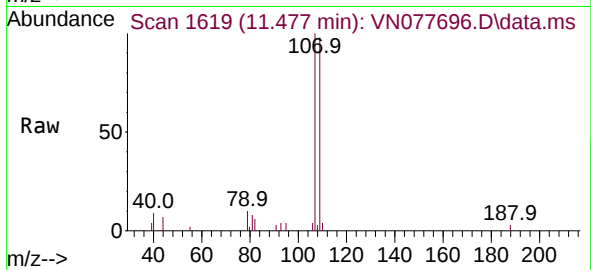
LOD-MDL-WATER-01-QT2-2023

Tgt Ion:107 Resp: 12370

Ion Ratio Lower Upper

107 100

109 91.3 76.6 114.8



#62

4-Bromofluorobenzene

Concen: 47.917 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

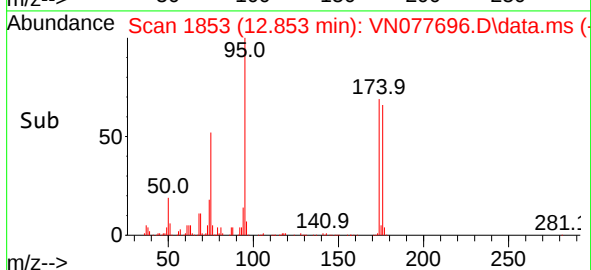
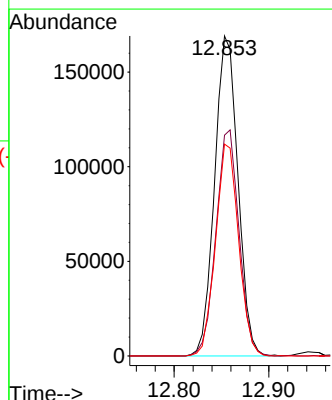
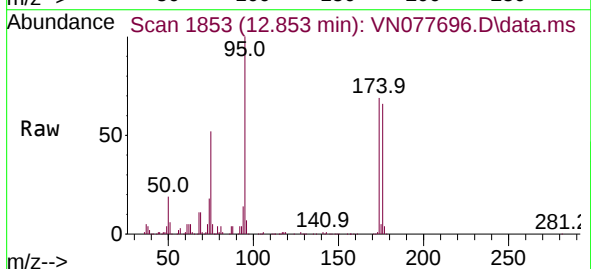
Tgt Ion: 95 Resp: 289629

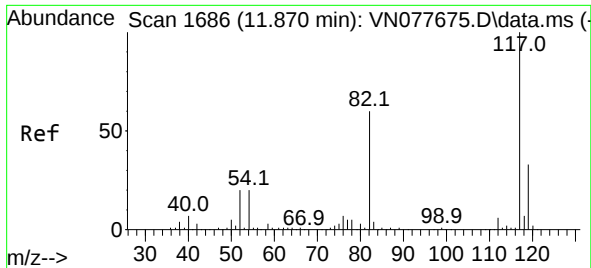
Ion Ratio Lower Upper

95 100

174 69.9 0.0 143.8

176 65.4 0.0 135.8

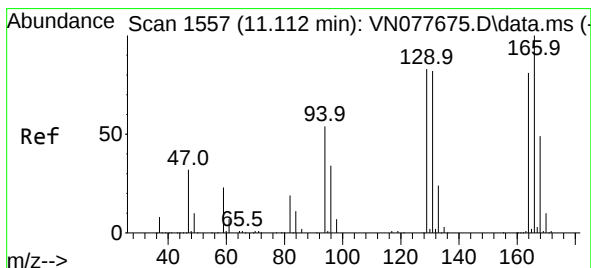
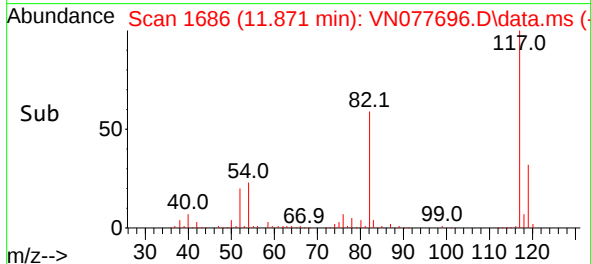
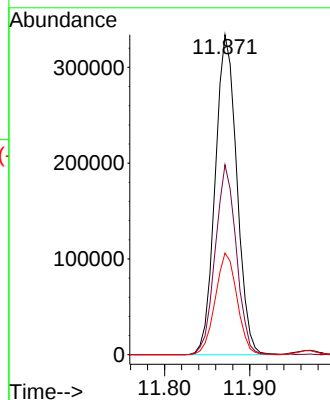
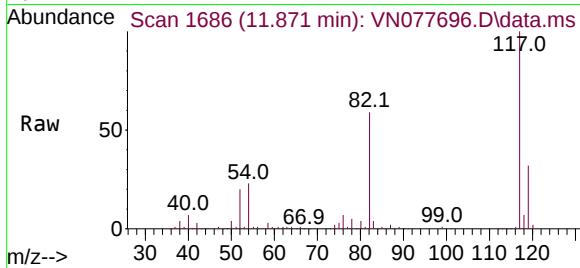




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.001 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

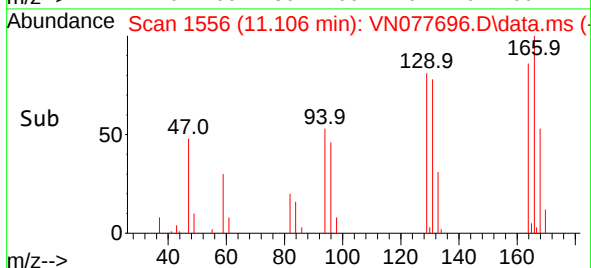
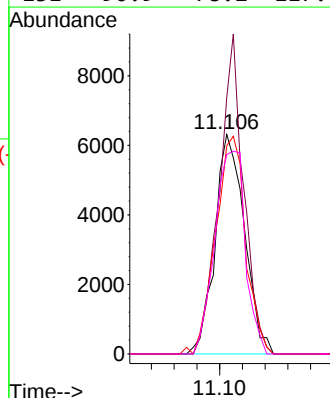
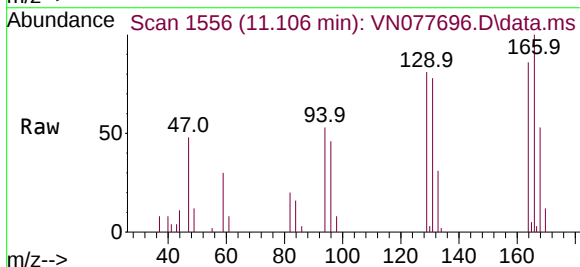
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

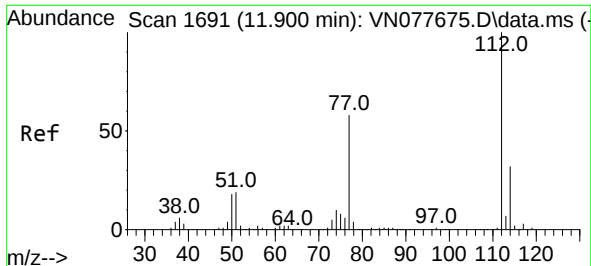
Tgt Ion:117 Resp: 589009
Ion Ratio Lower Upper
117 100
82 59.3 44.0 66.0
119 31.7 25.6 38.4



#64
Tetrachloroethene
Concen: 2.760 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion:164 Resp: 11370
Ion Ratio Lower Upper
164 100
166 116.9 101.4 152.0
129 94.8 82.4 123.6
131 90.9 78.2 117.4

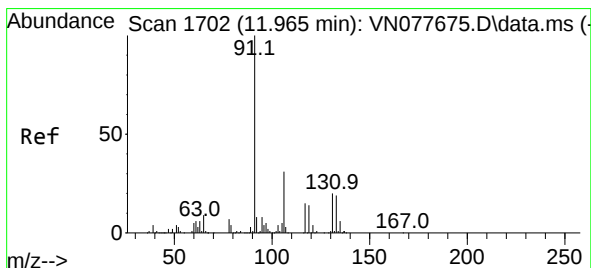
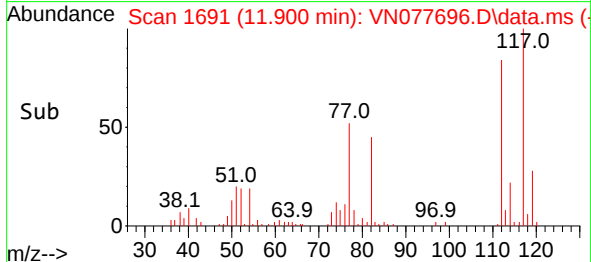
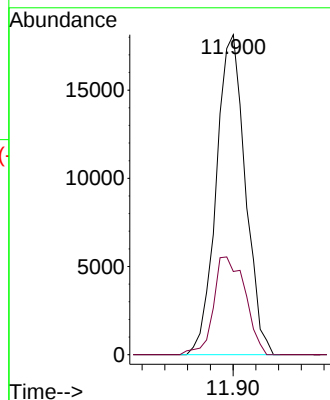
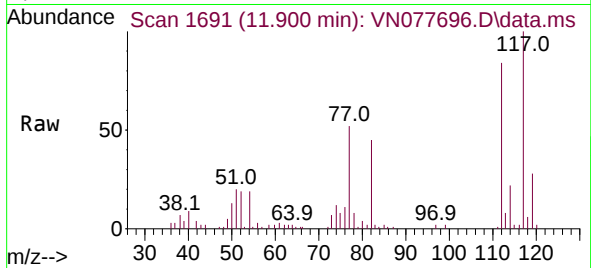




#65
Chlorobenzene
Concen: 2.523 ug/l
RT: 11.900 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

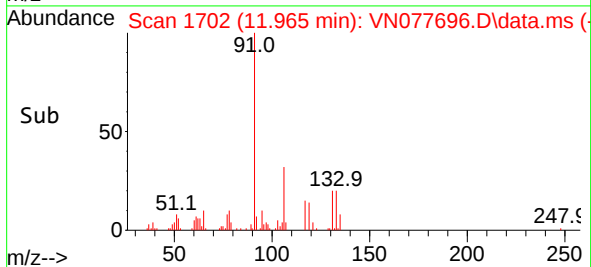
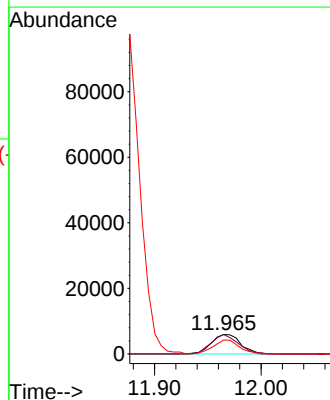
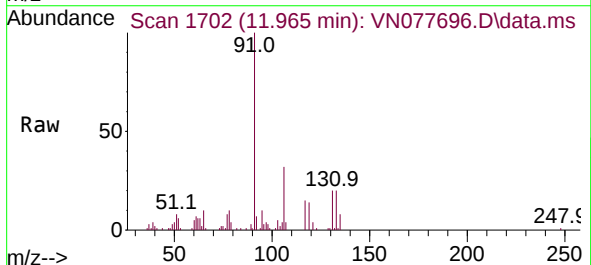
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

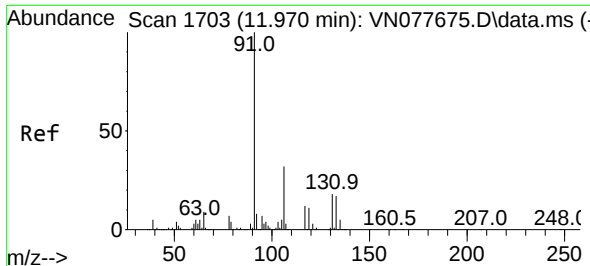
Tgt Ion:112 Resp: 32221
Ion Ratio Lower Upper
112 100
114 26.0 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 2.544 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion:131 Resp: 11242
Ion Ratio Lower Upper
131 100
133 93.2 46.4 139.1
119 64.0 34.1 102.2

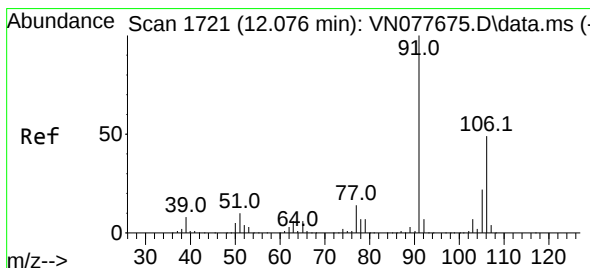
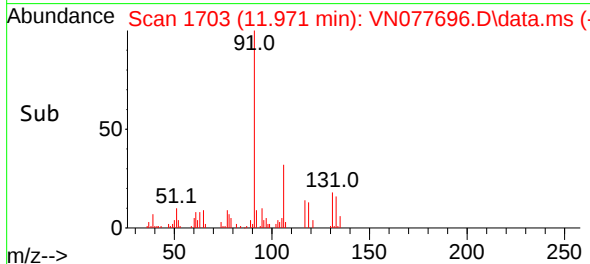
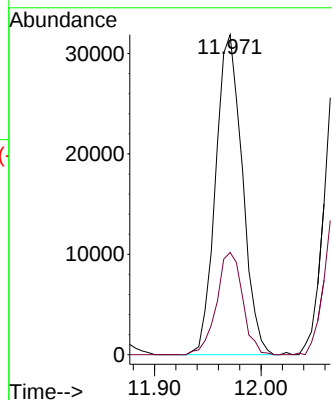
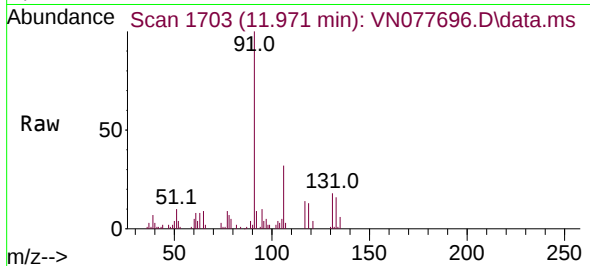




#67
Ethyl Benzene
Concen: 2.421 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.001 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

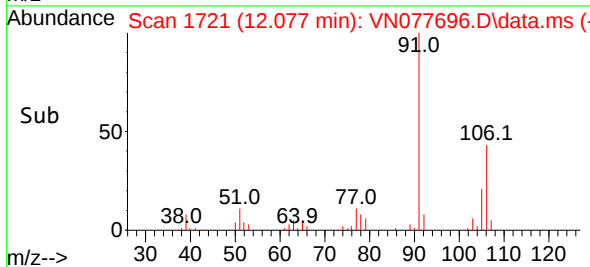
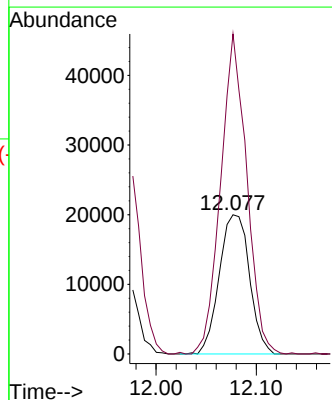
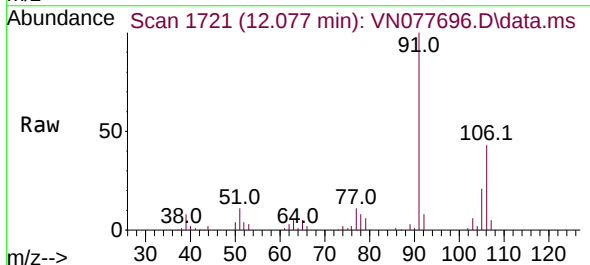
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

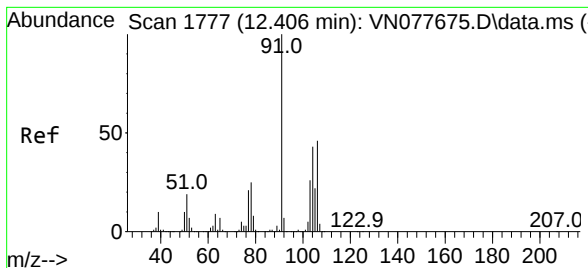
Tgt Ion: 91 Resp: 55400
Ion Ratio Lower Upper
91 100
106 31.9 25.6 38.4



#68
m/p-Xylenes
Concen: 4.825 ug/l
RT: 12.077 min Scan# 1721
Delta R.T. 0.001 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion:106 Resp: 41839
Ion Ratio Lower Upper
106 100
91 198.9 159.6 239.4





#69

o-Xylene

Concen: 2.432 ug/l

RT: 12.406 min Scan# 1777

Delta R.T. 0.000 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

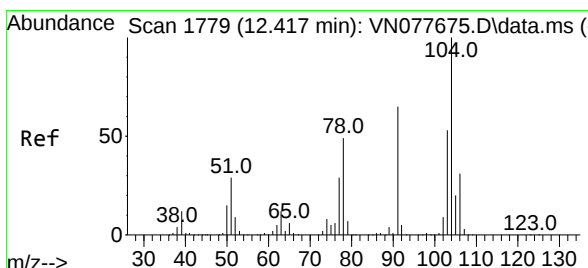
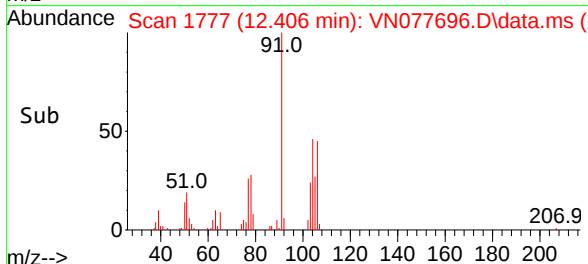
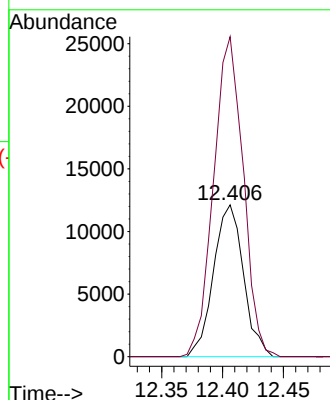
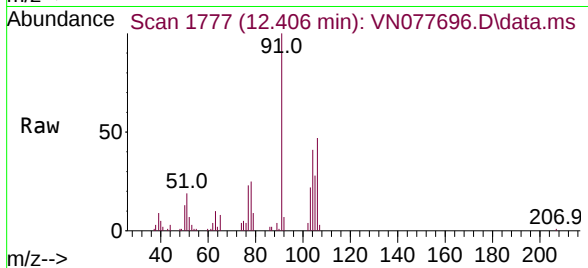
LOD-MDL-WATER-01-QT2-2023

Tgt Ion:106 Resp: 20741

Ion Ratio Lower Upper

106 100

91 208.7 105.2 315.5



#70

Styrene

Concen: 2.349 ug/l

RT: 12.418 min Scan# 1779

Delta R.T. 0.001 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

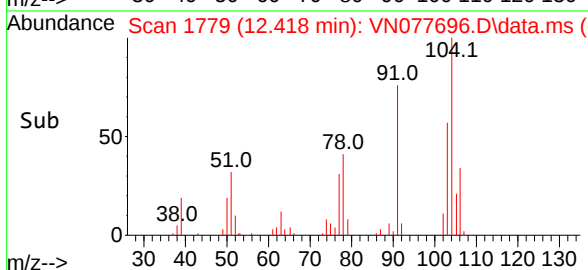
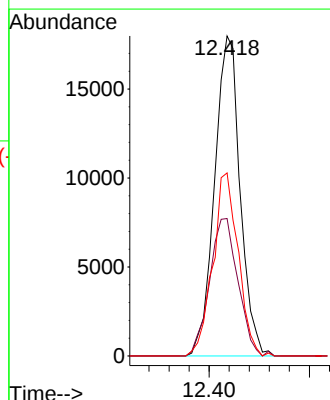
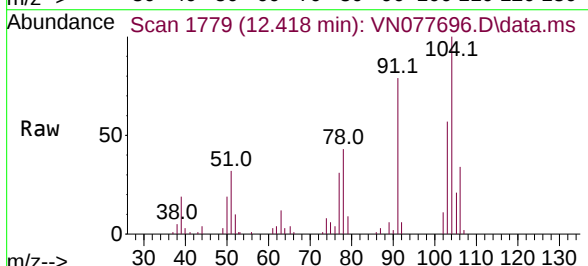
Tgt Ion:104 Resp: 31816

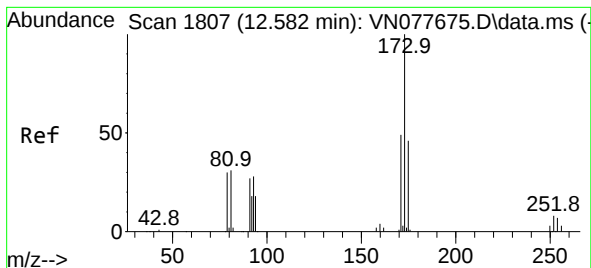
Ion Ratio Lower Upper

104 100

78 47.8 39.5 59.3

103 56.6 43.2 64.8





#71

Bromoform

Concen: 2.271 ug/l

RT: 12.583 min Scan# 1807

Delta R.T. 0.001 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

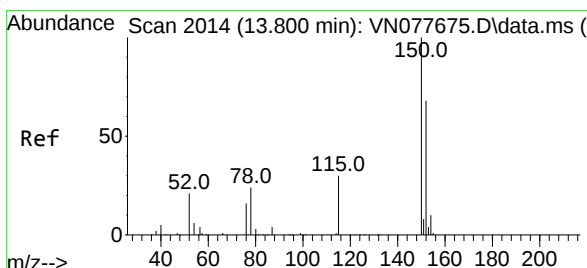
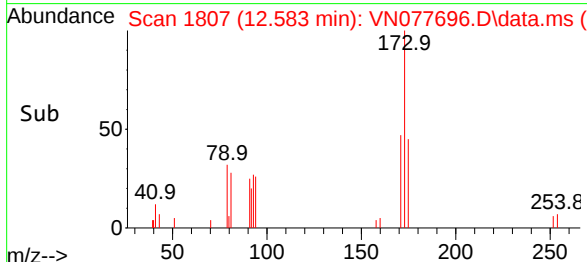
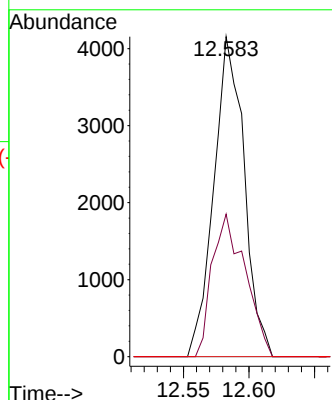
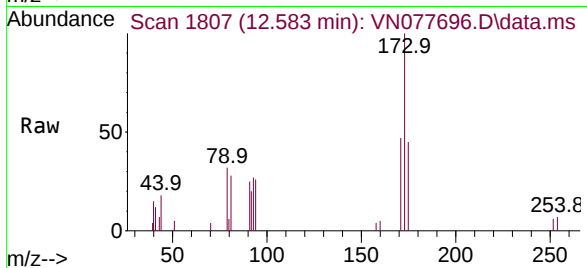
Tgt Ion:173 Resp: 6675

Ion Ratio Lower Upper

173 100

175 48.7 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: VN077696.D

Acq: 16 May 2023 16:38

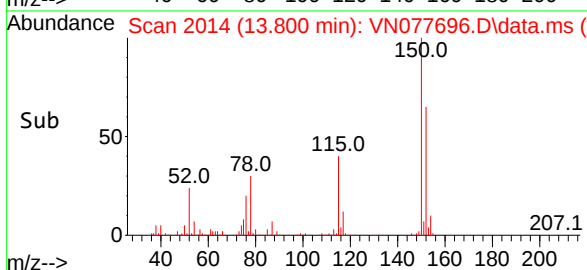
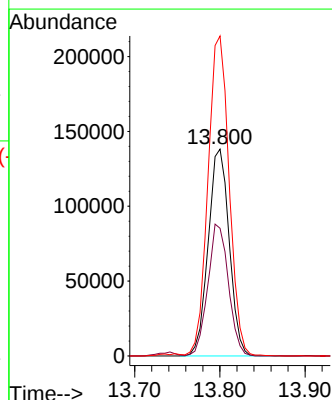
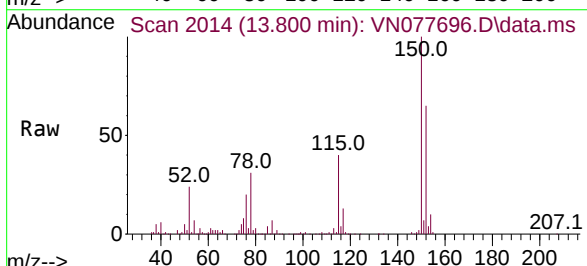
Tgt Ion:152 Resp: 236819

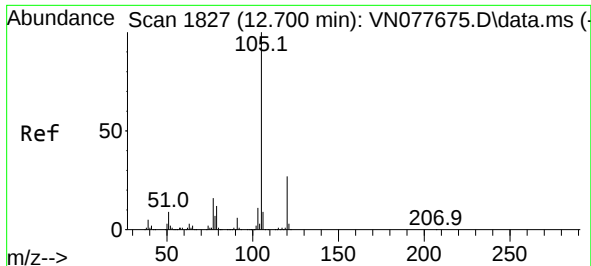
Ion Ratio Lower Upper

152 100

115 62.5 32.3 96.8

150 155.9 0.0 355.8

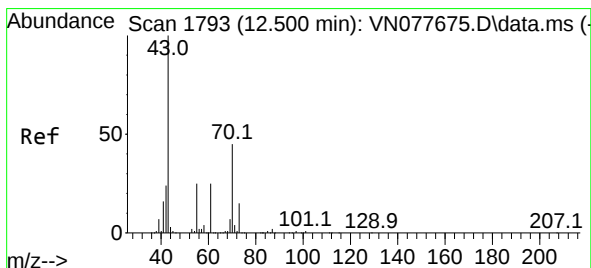
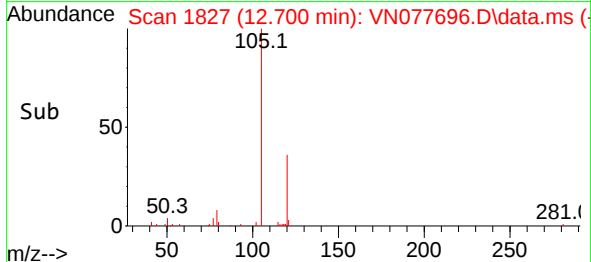
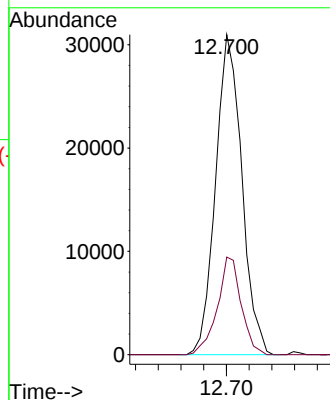
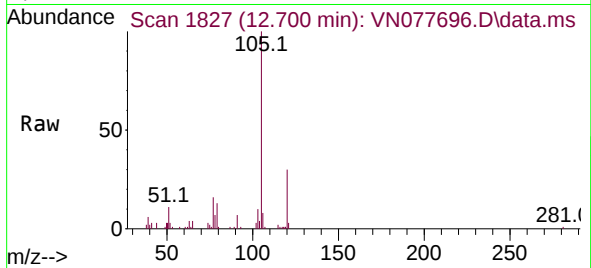




#73
Isopropylbenzene
Concen: 2.433 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

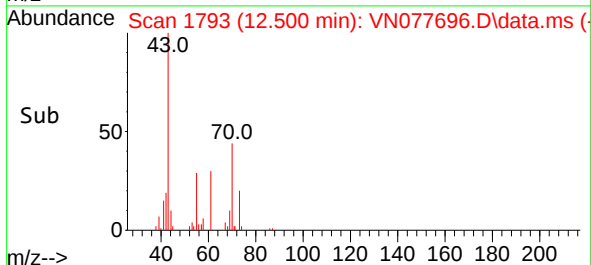
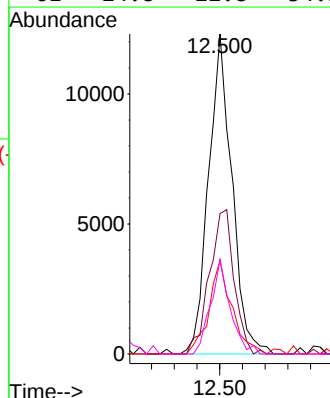
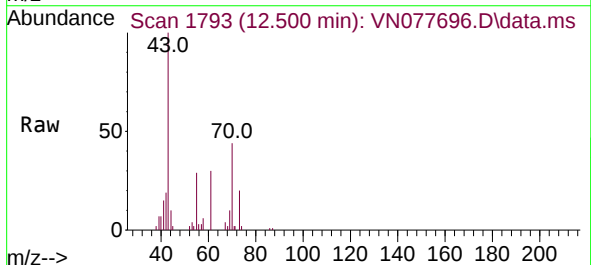
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2023

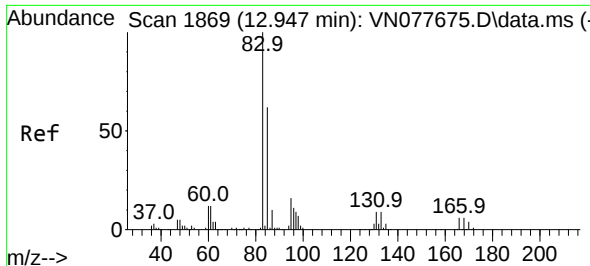
Tgt Ion:105 Resp: 49664
Ion Ratio Lower Upper
105 100
120 27.8 13.1 39.1



#74
N-ethyl acetate
Concen: 2.334 ug/l
RT: 12.500 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 43 Resp: 17613
Ion Ratio Lower Upper
43 100
70 47.5 43.4 65.2
55 28.5 21.4 32.0
61 24.8 22.8 34.2

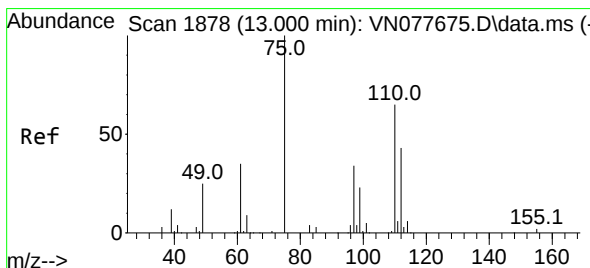
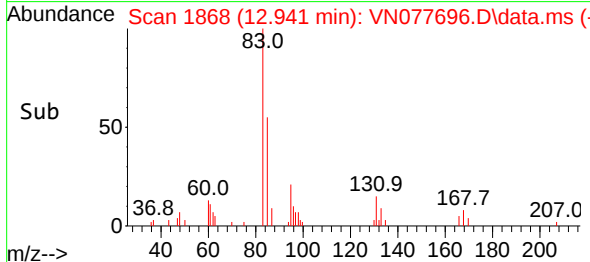
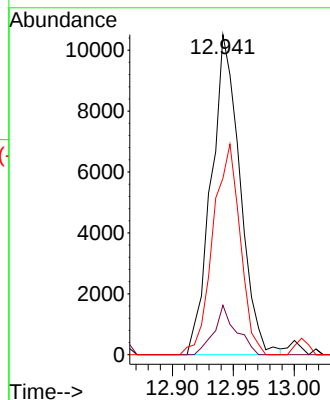
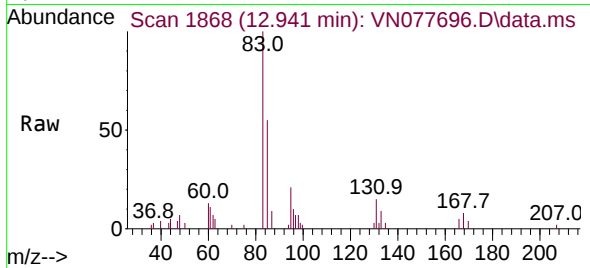




#75
1,1,2,2-Tetrachloroethane
Concen: 2.749 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

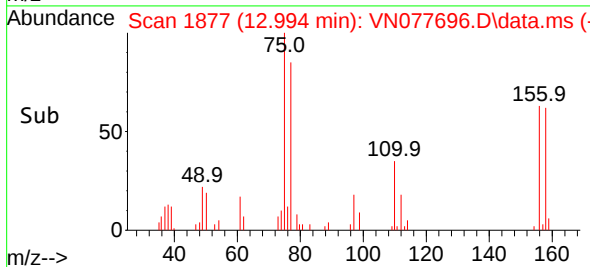
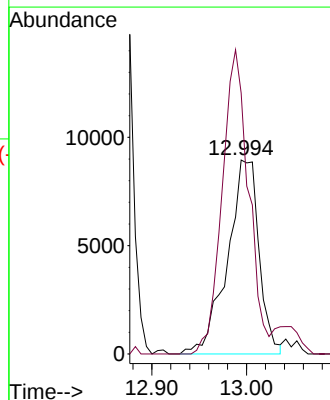
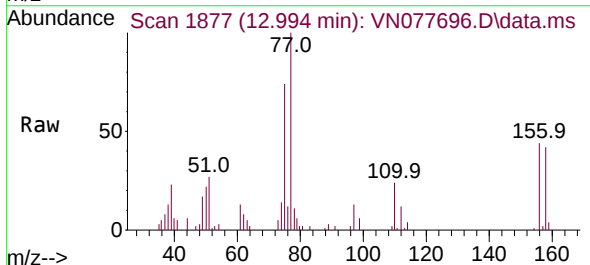
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2023

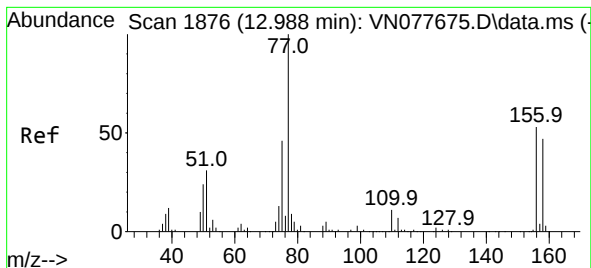
Tgt Ion: 83 Resp: 17264
Ion Ratio Lower Upper
83 100
131 11.8 5.0 15.0
85 62.2 31.9 95.7



#76
1,2,3-Trichloropropane
Concen: 3.499 ug/l
RT: 12.994 min Scan# 1877
Delta R.T. -0.006 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 75 Resp: 20753
Ion Ratio Lower Upper
75 100
77 131.5 84.5 253.5





#77

Bromobenzene

Concen: 2.441 ug/l

RT: 12.988 min Scan# 1876

Delta R.T. 0.000 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

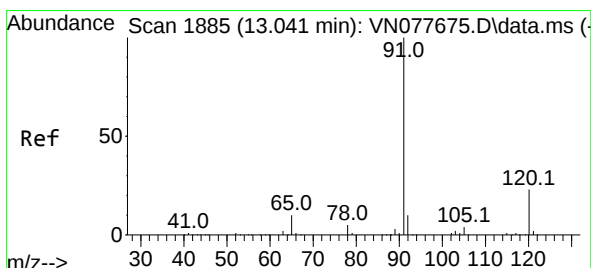
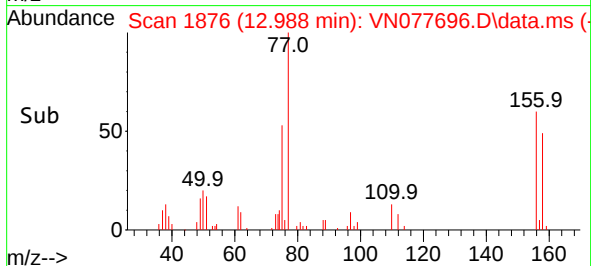
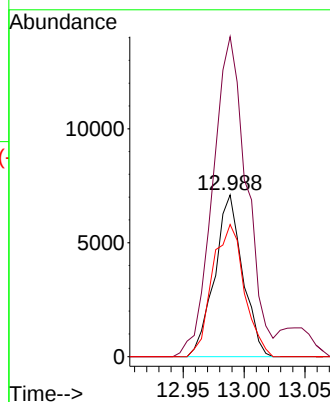
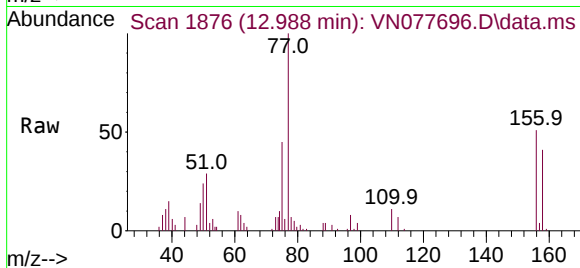
Tgt Ion:156 Resp: 11373

Ion Ratio Lower Upper

156 100

77 240.0 107.7 323.3

158 93.1 48.4 145.3



#78

n-propylbenzene

Concen: 2.390 ug/l

RT: 13.041 min Scan# 1885

Delta R.T. 0.000 min

Lab File: VN077696.D

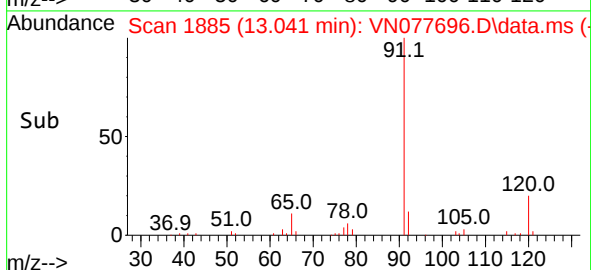
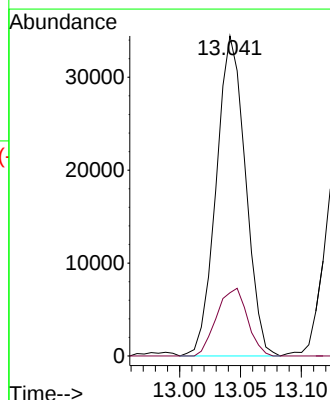
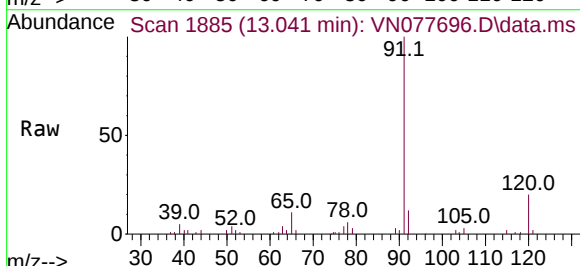
Acq: 16 May 2023 16:38

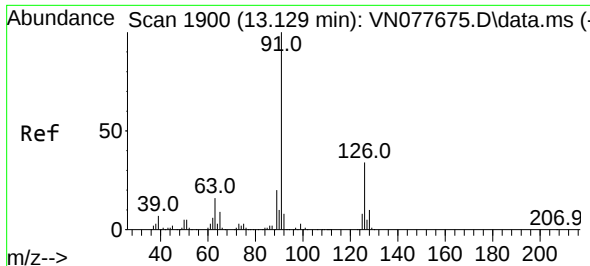
Tgt Ion: 91 Resp: 57513

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4

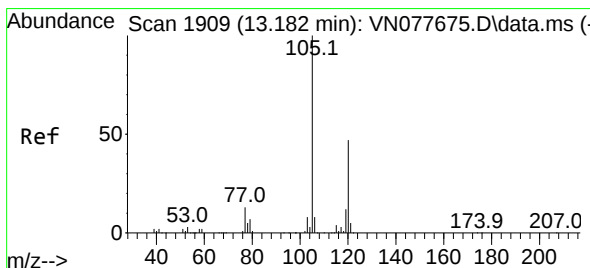
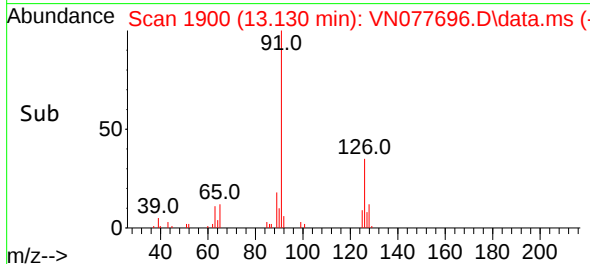
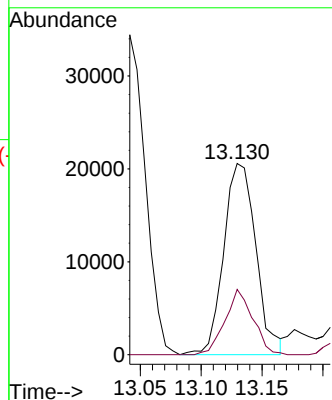
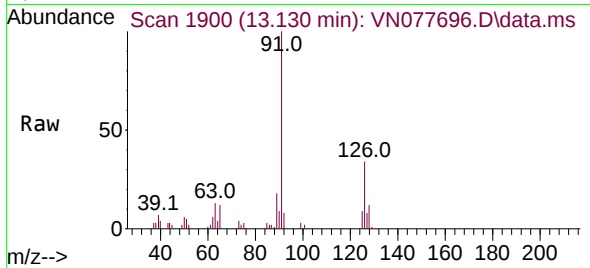




#79
2-Chlorotoluene
Concen: 2.640 ug/l
RT: 13.130 min Scan# 1900
Delta R.T. 0.001 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

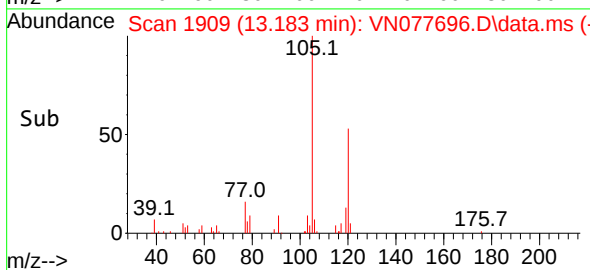
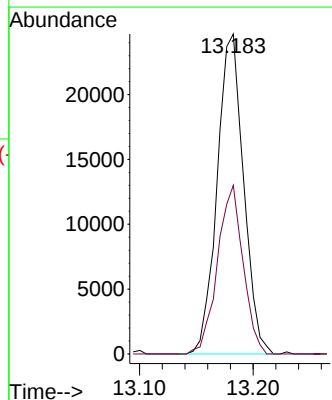
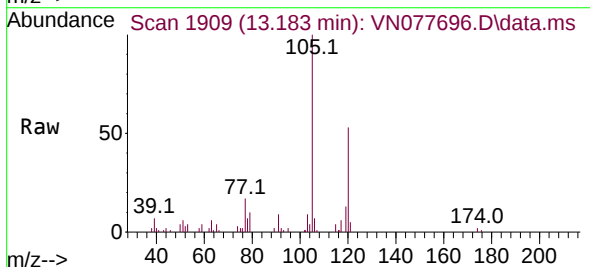
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

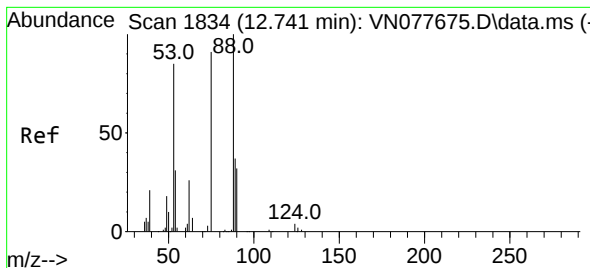
Tgt Ion: 91 Resp: 37913
Ion Ratio Lower Upper
91 100
126 29.5 16.3 48.8



#80
1,3,5-Trimethylbenzene
Concen: 2.323 ug/l
RT: 13.183 min Scan# 1909
Delta R.T. 0.001 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 105 Resp: 39860
Ion Ratio Lower Upper
105 100
120 51.0 24.1 72.3

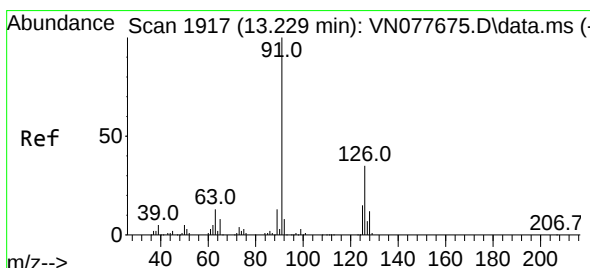
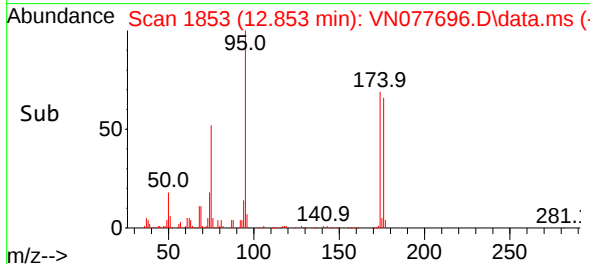
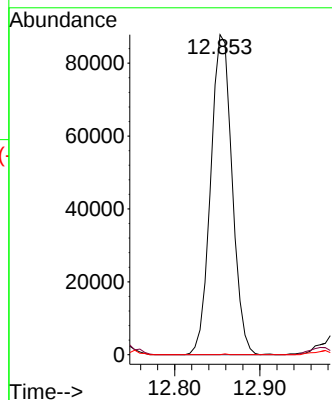
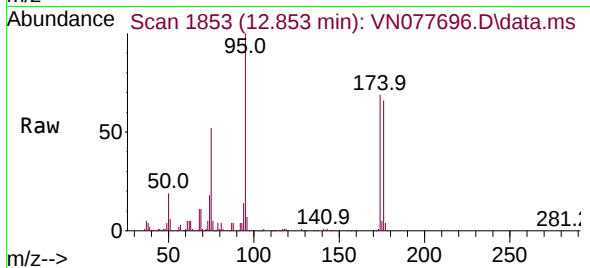




#81
trans-1,4-Dichloro-2-butene
Concen: 82.763 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

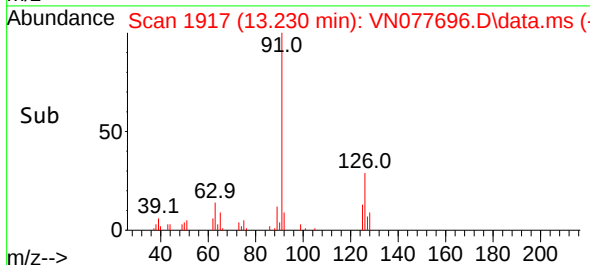
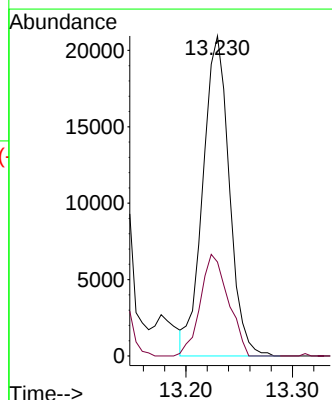
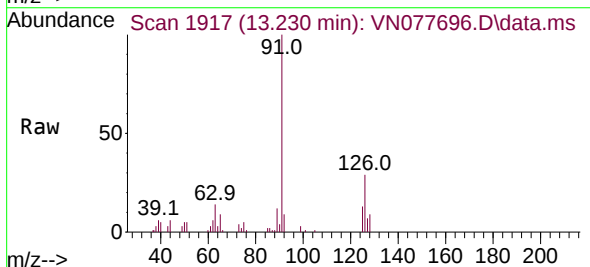
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT2-2023

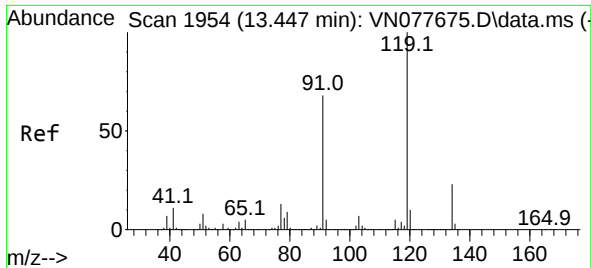
Tgt Ion: 75 Resp: 153558
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.1 38.8 58.2#



#82
4-Chlorotoluene
Concen: 2.529 ug/l
RT: 13.230 min Scan# 1917
Delta R.T. 0.001 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion: 91 Resp: 36133
Ion Ratio Lower Upper
91 100
126 33.7 16.7 50.0

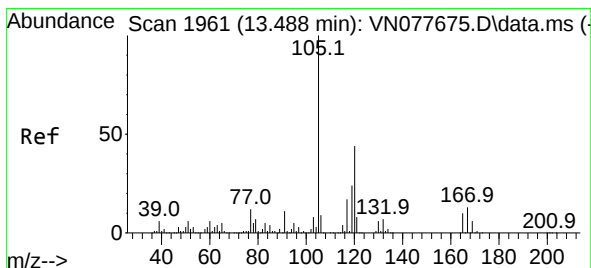
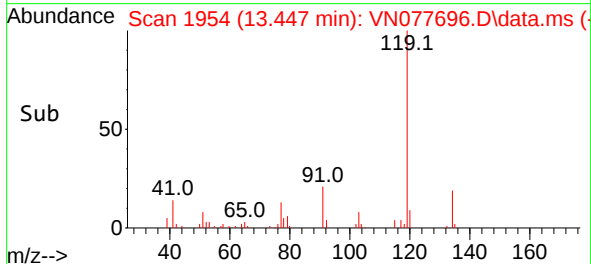
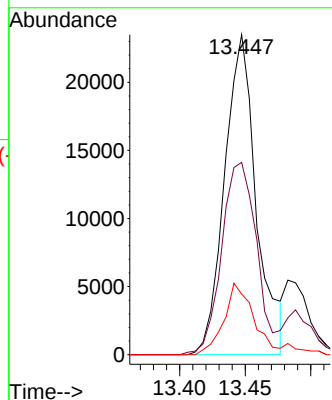
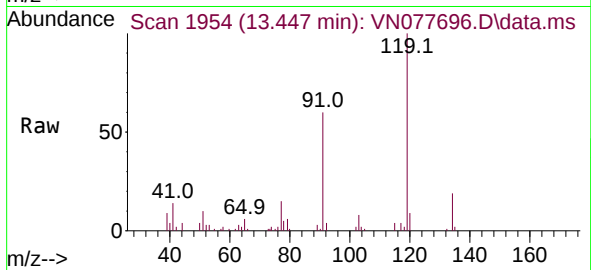




#83
tert-Butylbenzene
Concen: 2.641 ug/l
RT: 13.447 min Scan# 1954
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

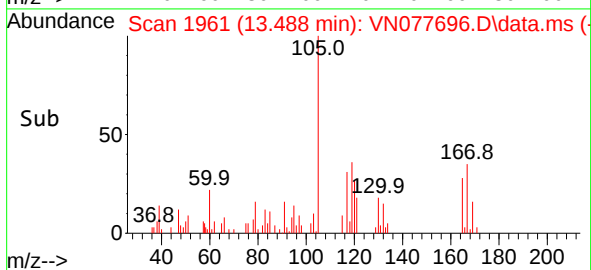
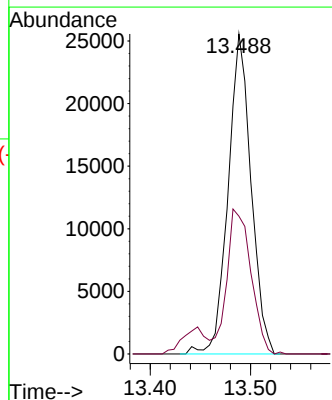
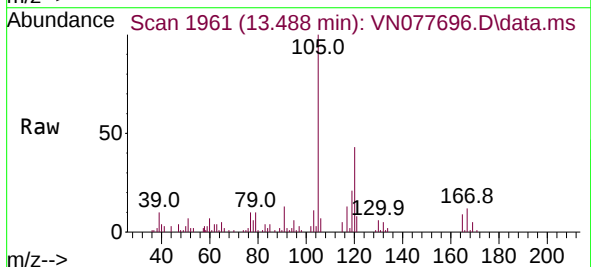
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT2-2023

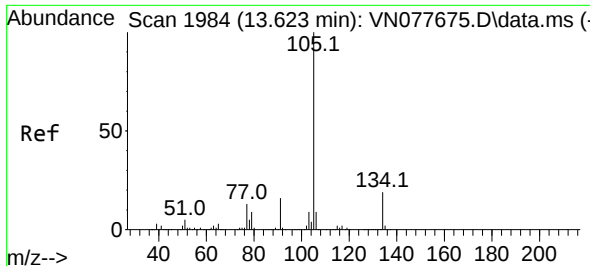
Tgt Ion:119 Resp: 39551
Ion Ratio Lower Upper
119 100
91 65.2 33.9 101.7
134 20.9 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 2.402 ug/l
RT: 13.488 min Scan# 1961
Delta R.T. 0.000 min
Lab File: VN077696.D
Acq: 16 May 2023 16:38

Tgt Ion:105 Resp: 40528
Ion Ratio Lower Upper
105 100
120 47.9 22.0 66.0

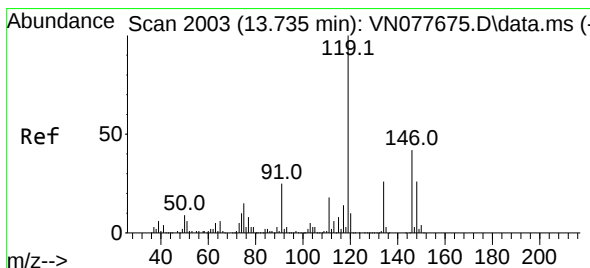
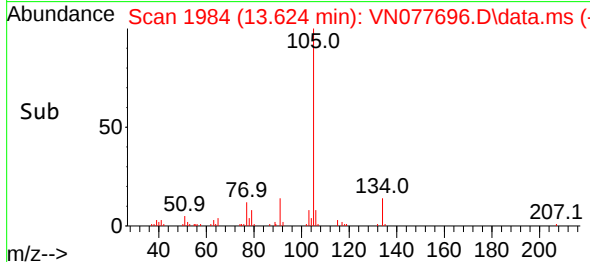
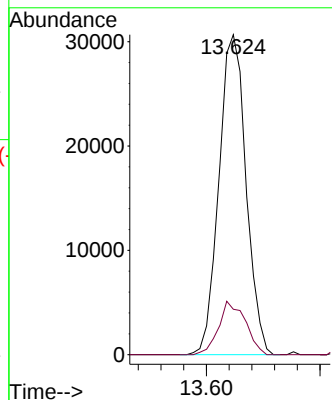
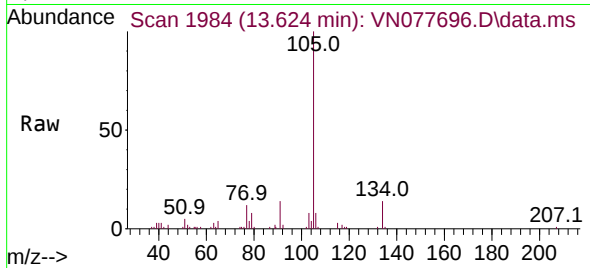




#85
 sec-Butylbenzene
 Concen: 2.387 ug/l
 RT: 13.624 min Scan# 1984
 Delta R.T. 0.001 min
 Lab File: VN077696.D
 Acq: 16 May 2023 16:38

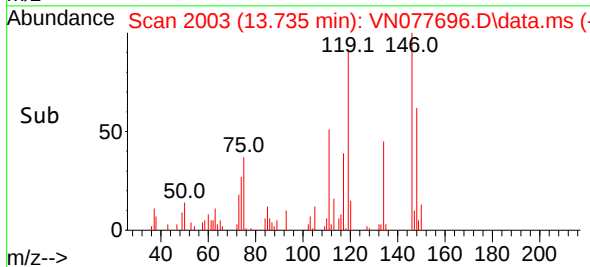
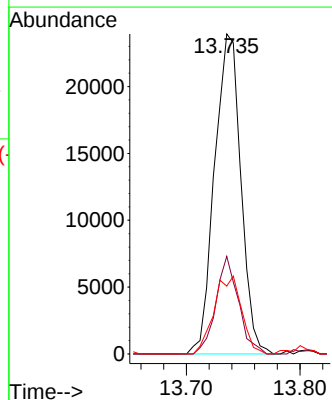
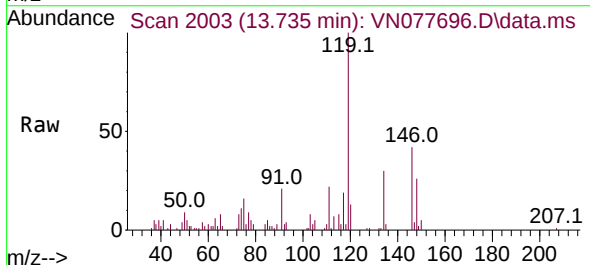
Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT2-2023

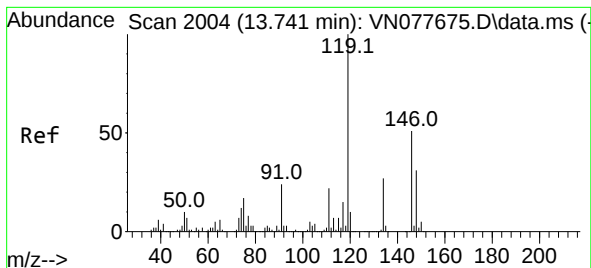
Tgt Ion:105 Resp: 50804
 Ion Ratio Lower Upper
 105 100
 134 16.5 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 2.267 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.000 min
 Lab File: VN077696.D
 Acq: 16 May 2023 16:38

Tgt Ion:119 Resp: 38475
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.6 37.8
 91 25.6 12.4 37.2





#87

1,3-Dichlorobenzene

Concen: 2.443 ug/l

RT: 13.741 min Scan# 2004

Delta R.T. 0.000 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

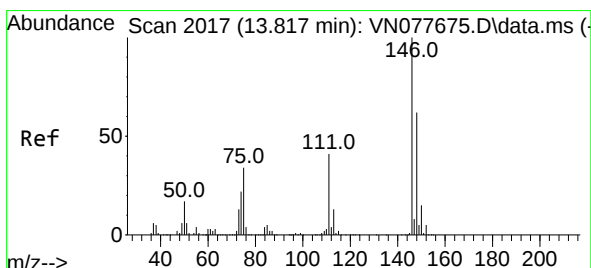
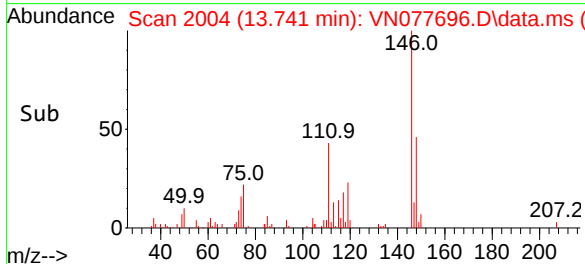
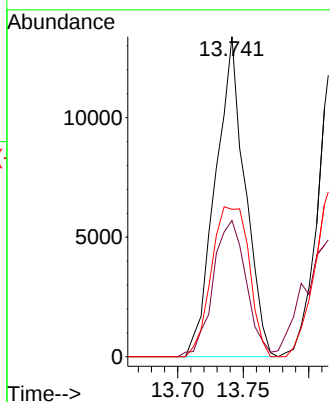
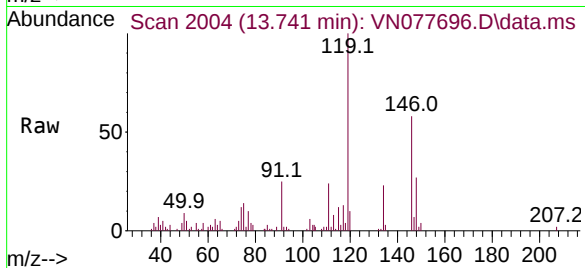
Tgt Ion:146 Resp: 21049

Ion Ratio Lower Upper

146 100

111 47.4 22.1 66.3

148 59.4 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 2.449 ug/l

RT: 13.818 min Scan# 2017

Delta R.T. 0.001 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

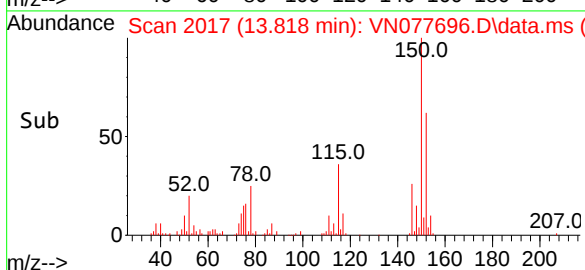
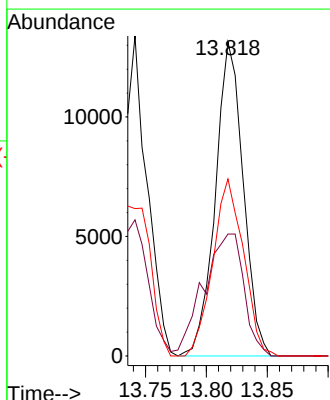
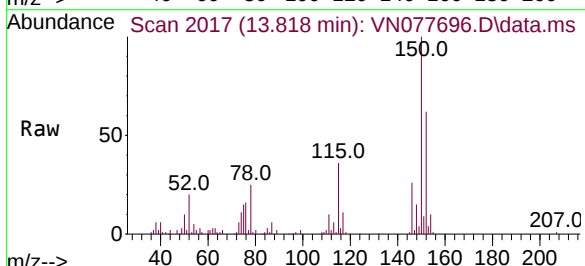
Tgt Ion:146 Resp: 20935

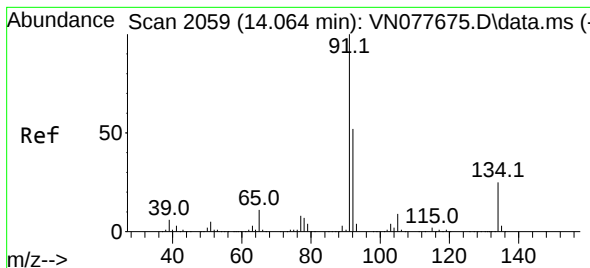
Ion Ratio Lower Upper

146 100

111 56.2 20.6 61.8

148 62.2 31.6 94.8





#89

n-Butylbenzene

Concen: 2.228 ug/l

RT: 14.059 min Scan# 2059

Delta R.T. -0.005 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

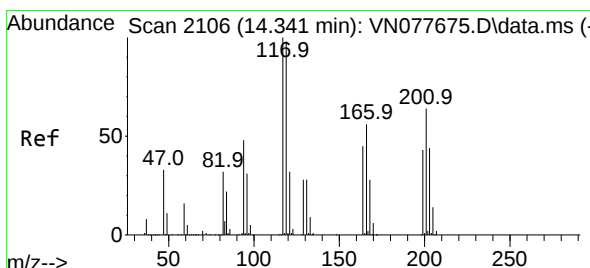
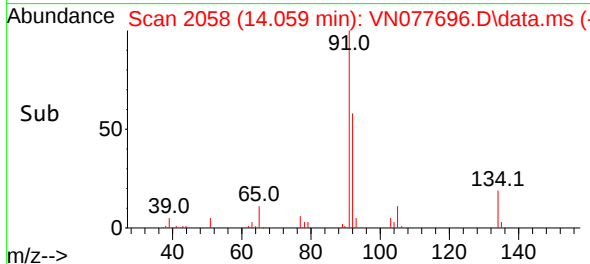
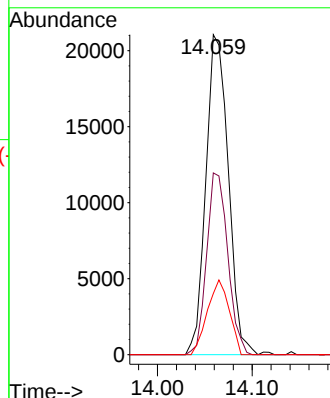
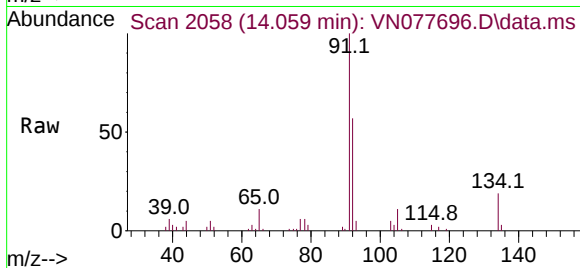
Tgt Ion: 91 Resp: 34770

Ion Ratio Lower Upper

91 100

92 53.4 26.4 79.0

134 22.8 12.6 37.6



#90

Hexachloroethane

Concen: 2.311 ug/l

RT: 14.341 min Scan# 2106

Delta R.T. 0.000 min

Lab File: VN077696.D

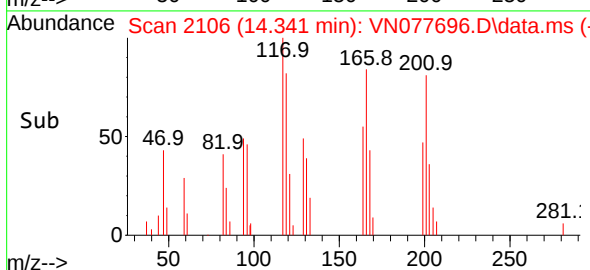
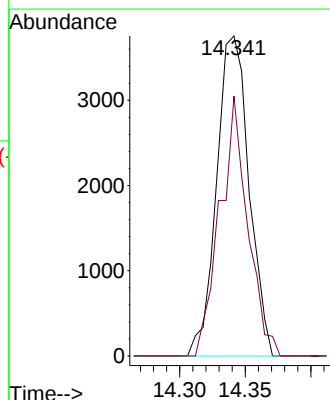
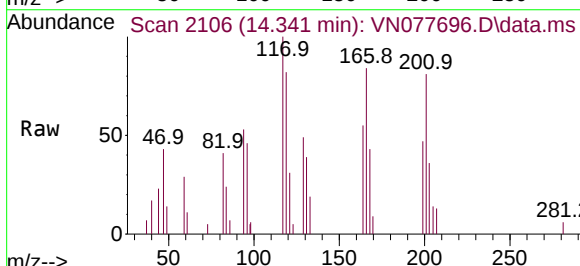
Acq: 16 May 2023 16:38

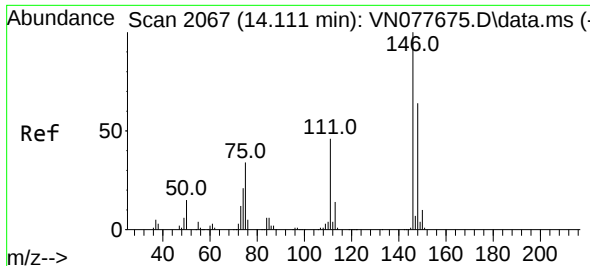
Tgt Ion: 117 Resp: 6444

Ion Ratio Lower Upper

117 100

201 69.9 29.3 88.0





#91

1,2-Dichlorobenzene

Concen: 2.659 ug/l

RT: 14.112 min Scan# 2067

Delta R.T. 0.001 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

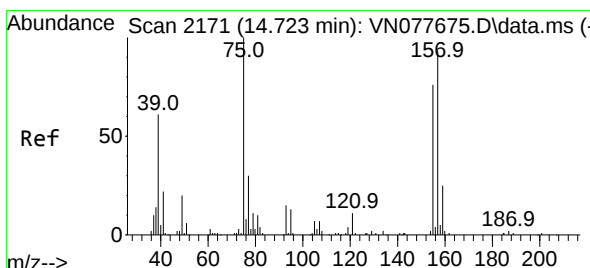
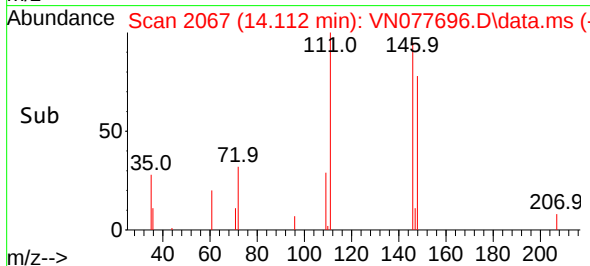
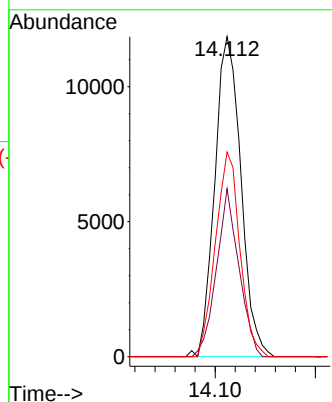
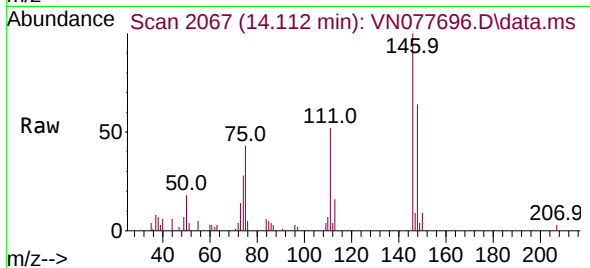
Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023

Tgt Ion:	146	Resp:	21404
Ion Ratio	Lower	Upper	
146	100		
111	45.2	22.0	66.0
148	59.7	31.8	95.3



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.227 ug/l

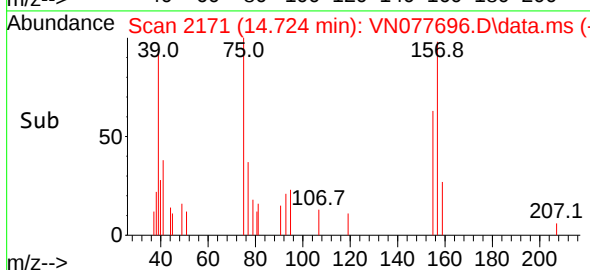
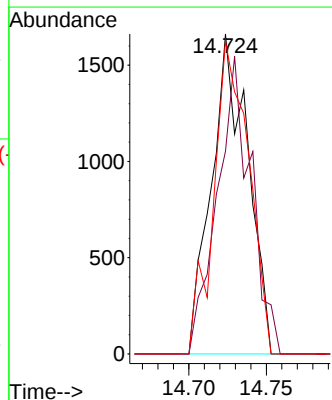
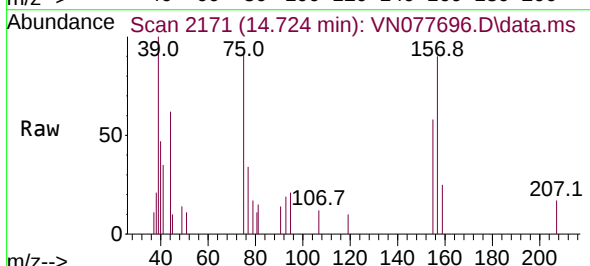
RT: 14.724 min Scan# 2171

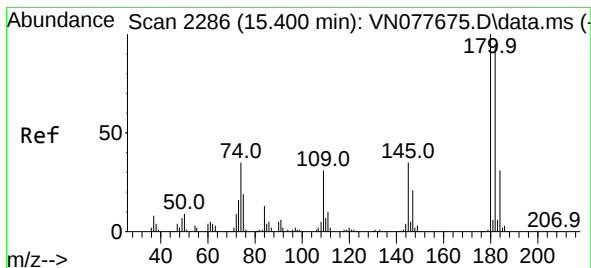
Delta R.T. 0.001 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Tgt Ion:	75	Resp:	2708
Ion Ratio	Lower	Upper	
75	100		
155	86.4	39.1	117.2
157	94.6	50.3	150.9





#93

1,2,4-Trichlorobenzene

Concen: 2.145 ug/l

RT: 15.394 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN077696.D

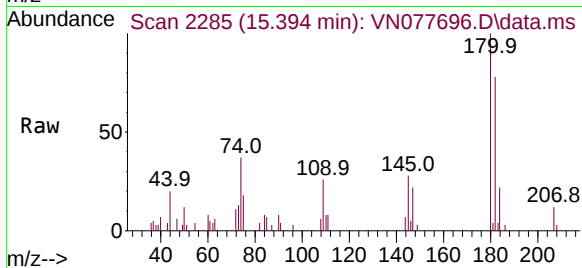
Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023



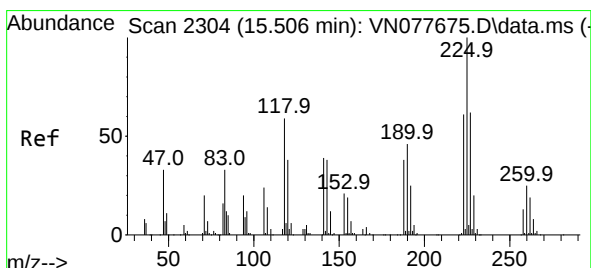
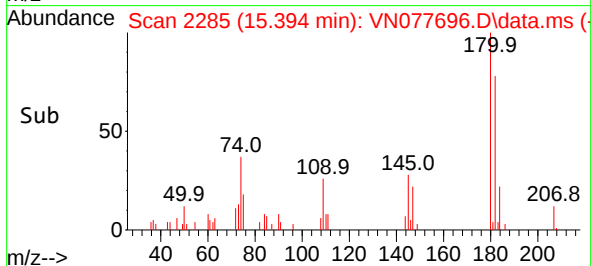
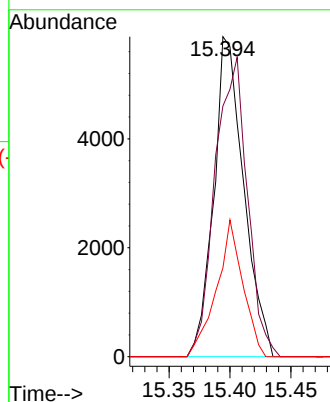
Tgt Ion:180 Resp: 10087

Ion Ratio Lower Upper

180 100

182 100.2 46.1 138.2

145 37.6 16.6 49.8



#94

Hexachlorobutadiene

Concen: 2.414 ug/l

RT: 15.512 min Scan# 2305

Delta R.T. 0.006 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

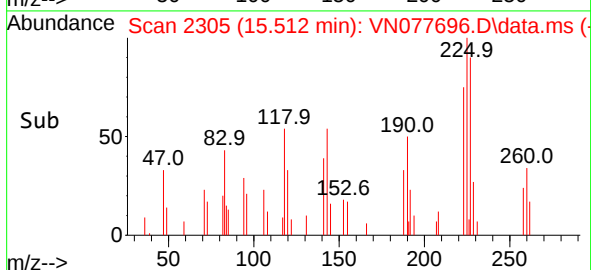
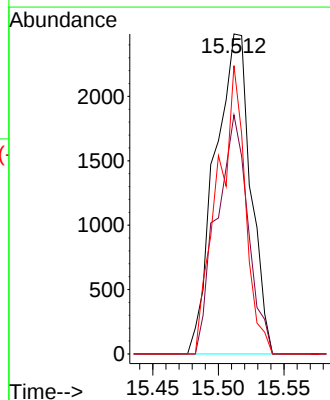
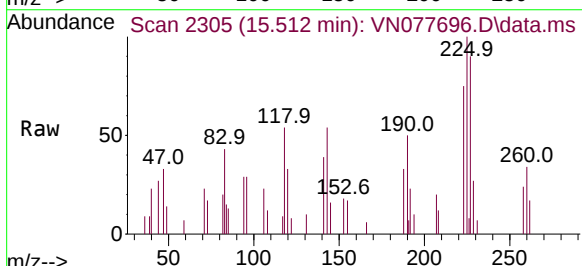
Tgt Ion:225 Resp: 4714

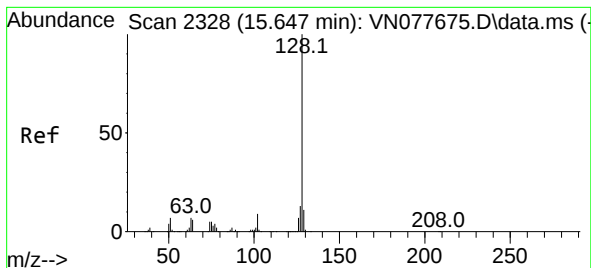
Ion Ratio Lower Upper

225 100

223 65.5 31.3 93.8

227 70.3 31.9 95.9





#95

Naphthalene

Concen: 2.072 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN077696.D

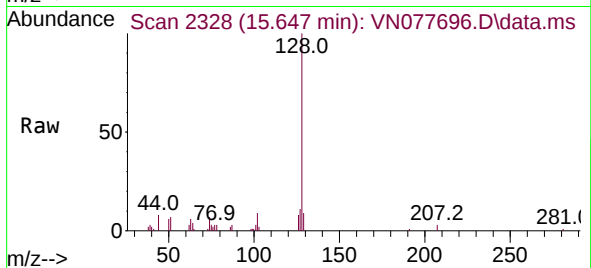
Acq: 16 May 2023 16:38

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT2-2023



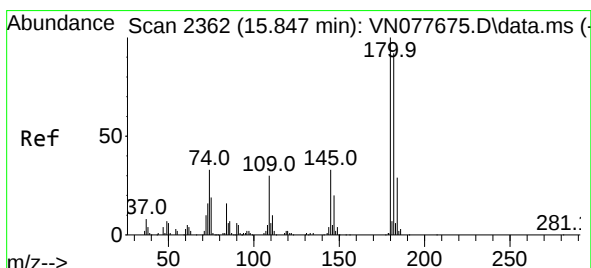
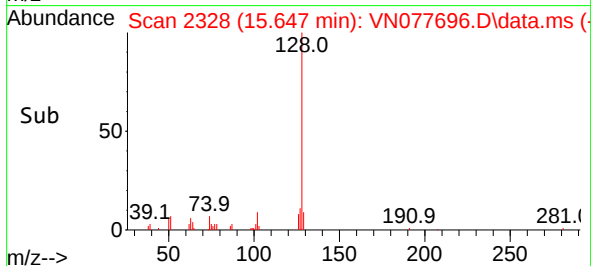
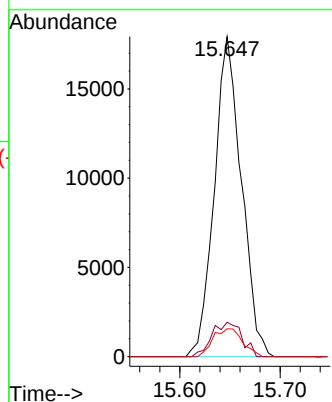
Tgt Ion:128 Resp: 33538

Ion Ratio Lower Upper

128 100

127 11.9 10.0 15.0

129 9.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.119 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.000 min

Lab File: VN077696.D

Acq: 16 May 2023 16:38

Tgt Ion:180 Resp: 9760

Ion Ratio Lower Upper

180 100

182 91.4 46.2 138.6

145 40.1 17.5 52.6

