

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100324\
 Data File : VN084303.D
 Acq On : 03 Oct 2024 17:03
 Operator : JC\MD
 Sample : P4285-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WATER-TOTES

Quant Time: Oct 04 01:38:50 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

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

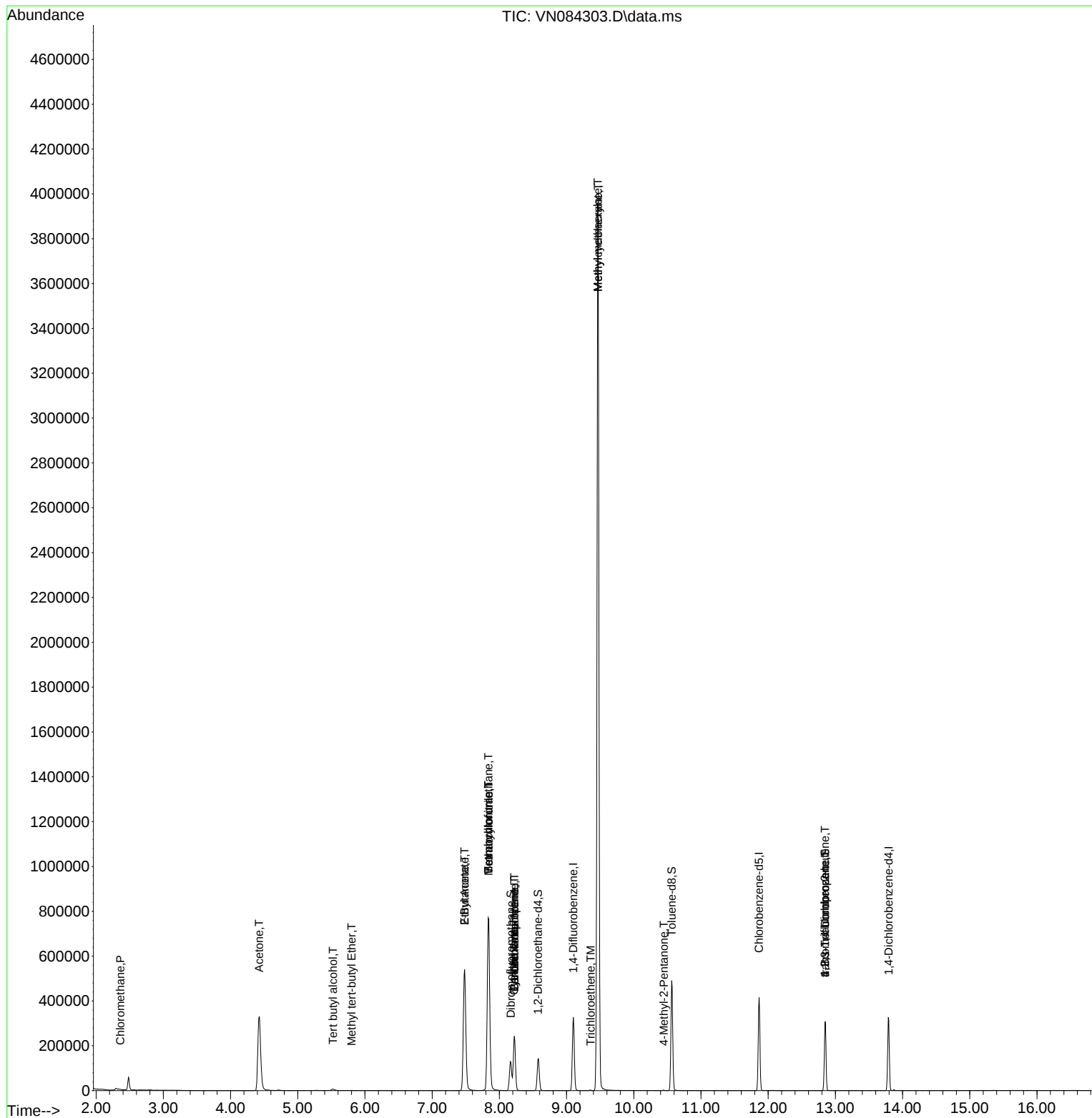
Internal Standards						
1) Pentafluorobenzene	8.224	168	169169	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	276050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	87956	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	119691	47.719	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.440%
35) Dibromofluoromethane	8.171	113	93820	51.552	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	103.100%
50) Toluene-d8	10.565	98	338188	50.509	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.020%
62) 4-Bromofluorobenzene	12.847	95	107577	44.102	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	614	0.269	ug/l	95
11) Tert butyl alcohol	5.524	59	11257	27.218	ug/l	99
16) Acetone	4.424	43	635365	589.672	ug/l	100
19) Methyl tert-butyl Ether	5.800	73	1637	0.255	ug/l #	54
25) 2-Butanone	7.483	43	880736	600.137	ug/l	100
28) Bromochloromethane	7.835	49	1202	0.704	ug/l #	15
29) Tetrahydrofuran	7.835	42	626250	691.489	ug/l	98
31) Cyclohexane	8.218	56	3907	1.052	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14868	5.624	ug/l #	50
37) Ethyl Acetate	7.483	43	880736	324.759	ug/l #	69
38) Carbon Tetrachloride	8.224	117	18653	6.433	ug/l #	15
39) Methylcyclohexane	9.471	83	724	0.246	ug/l #	1
41) Methacrylonitrile	7.841	41	350220	237.873	ug/l #	45
44) Trichloroethene	9.359	130	1080	0.561	ug/l	73
48) Methyl methacrylate	9.465	41	1050365	496.735	ug/l #	36
51) 4-Methyl-2-Pentanone	10.447	43	1922	0.744	ug/l #	73
76) 1,2,3-Trichloropropane	12.847	75	57891	32.240	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	57891	77.293	ug/l #	11

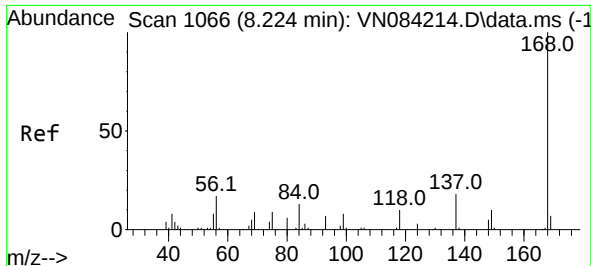
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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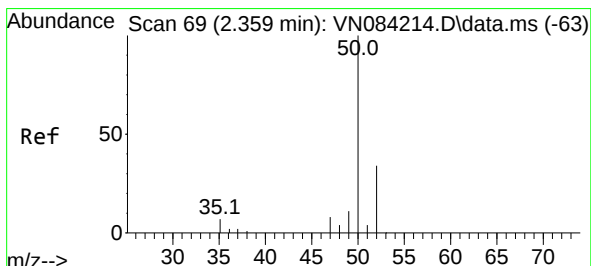
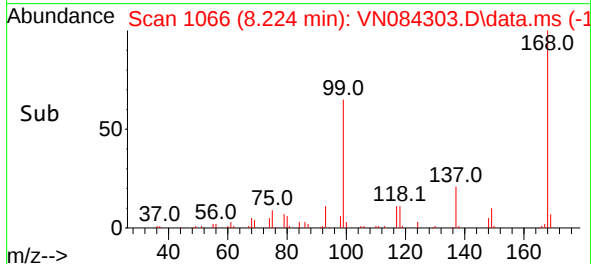
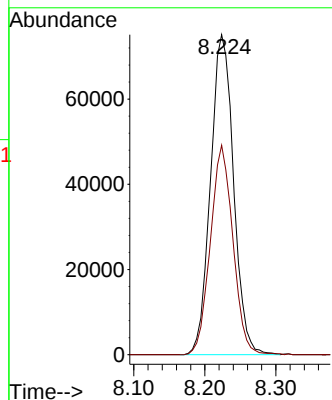
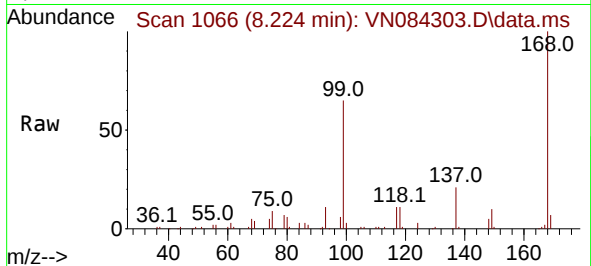




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

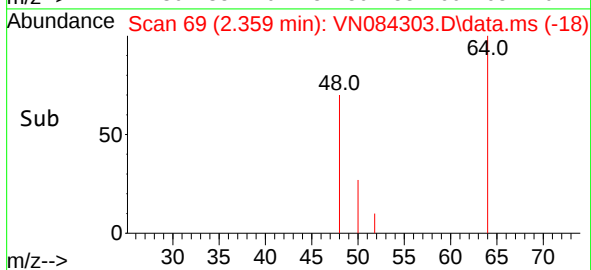
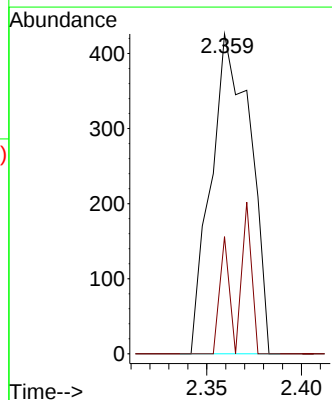
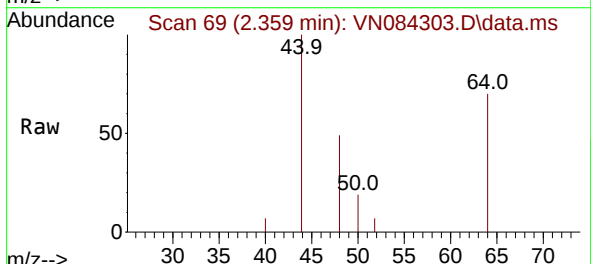
Instrument :
MSVOA_N
ClientSampleId :
WATER-TOTES

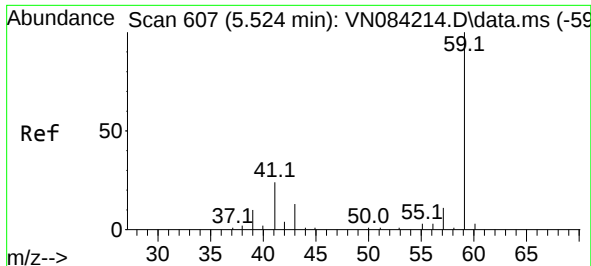
Tgt Ion:168 Resp: 169169
Ion Ratio Lower Upper
168 100
99 65.5 54.2 81.2



#3
Chloromethane
Concen: 0.269 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion: 50 Resp: 614
Ion Ratio Lower Upper
50 100
52 36.6 26.8 40.2

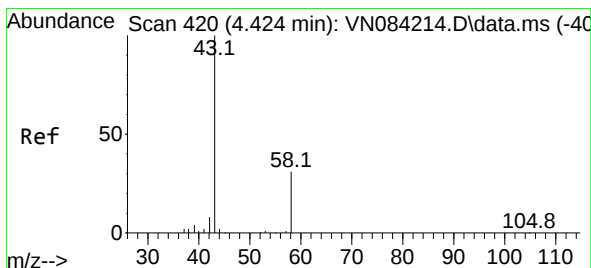
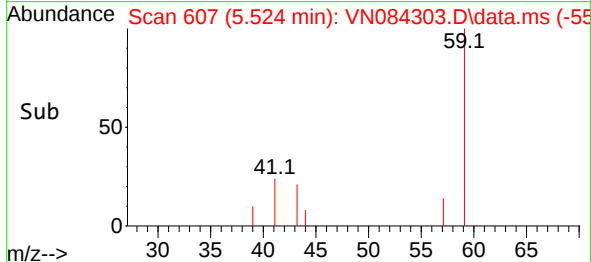
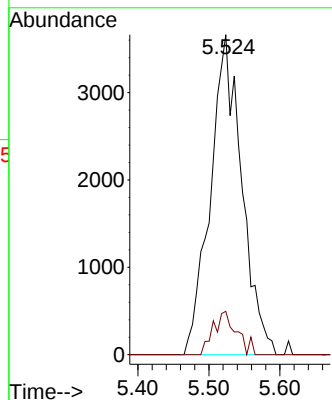
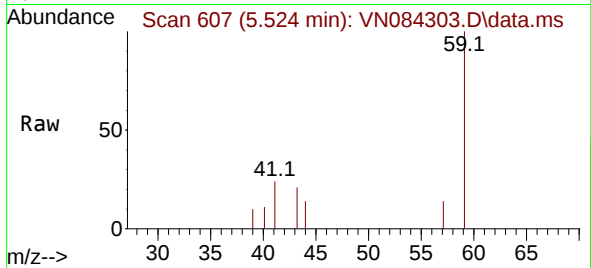




#11
Tert butyl alcohol
Concen: 27.218 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

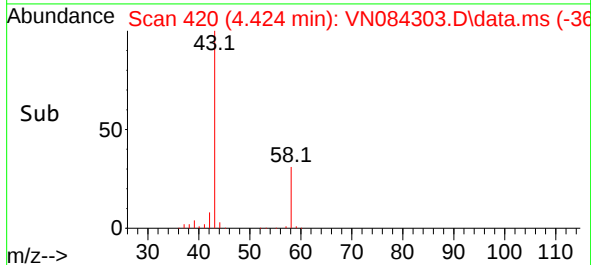
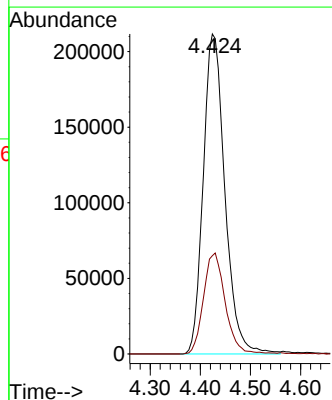
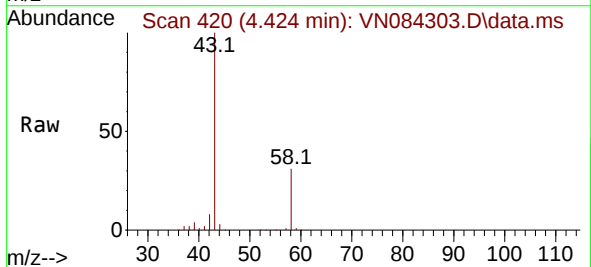
Instrument :
MSVOA_N
ClientSampleId :
WATER-TOTES

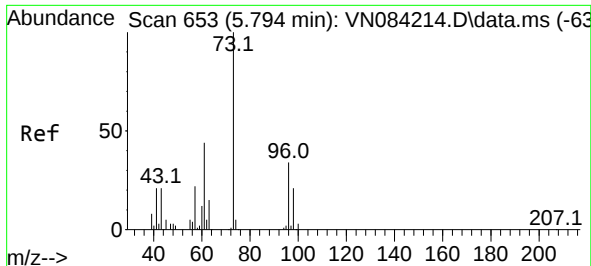
Tgt Ion: 59 Resp: 11257
Ion Ratio Lower Upper
59 100
57 10.0 8.2 12.2



#16
Acetone
Concen: 589.672 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion: 43 Resp: 635365
Ion Ratio Lower Upper
43 100
58 30.7 24.4 36.6

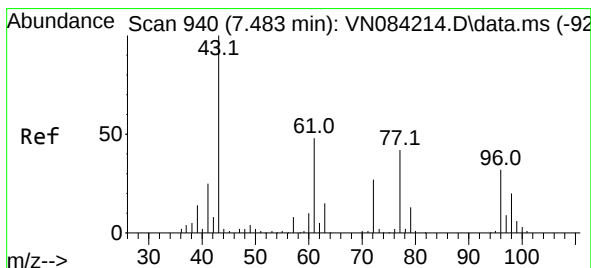
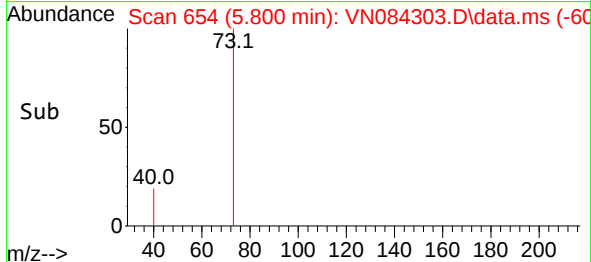
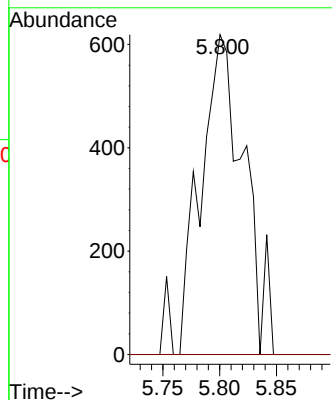
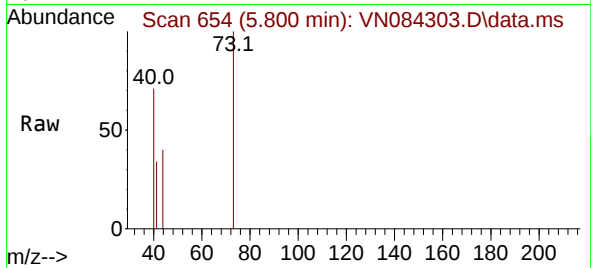




#19
Methyl tert-butyl Ether
Concen: 0.255 ug/l
RT: 5.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

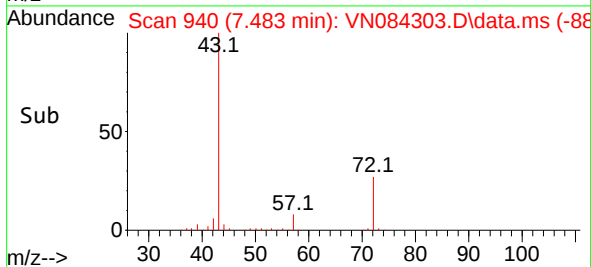
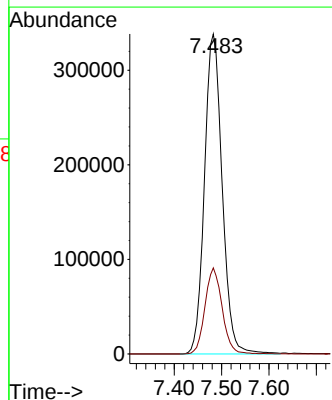
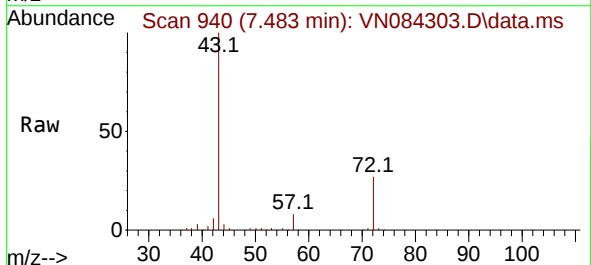
Instrument :
MSVOA_N
ClientSampleId :
WATER-TOTES

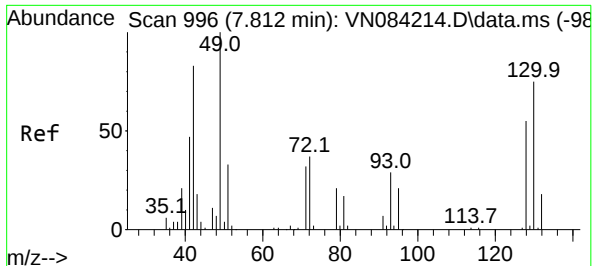
Tgt Ion: 73 Resp: 1637
Ion Ratio Lower Upper
73 100
57 0.0 17.7 26.5#



#25
2-Butanone
Concen: 600.137 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion: 43 Resp: 880736
Ion Ratio Lower Upper
43 100
72 26.9 21.4 32.2

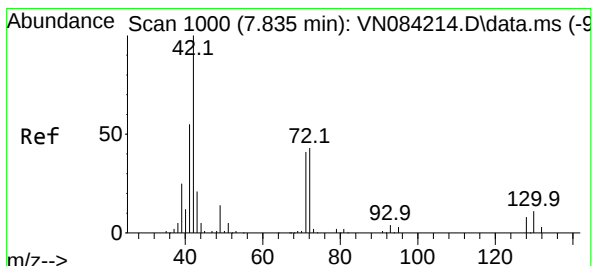
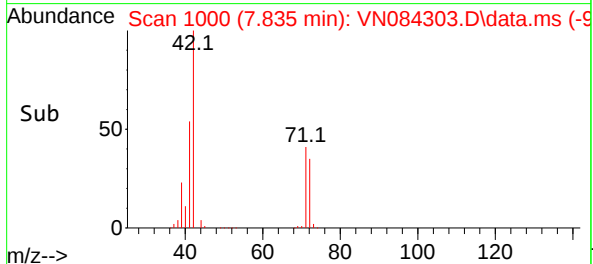
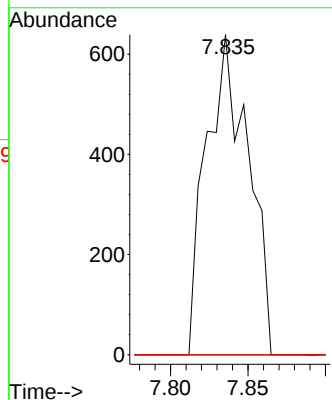
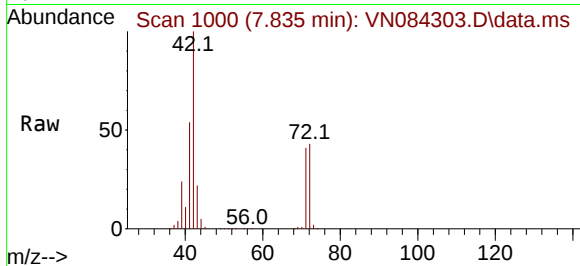




#28
Bromochloromethane
Concen: 0.704 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.024 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

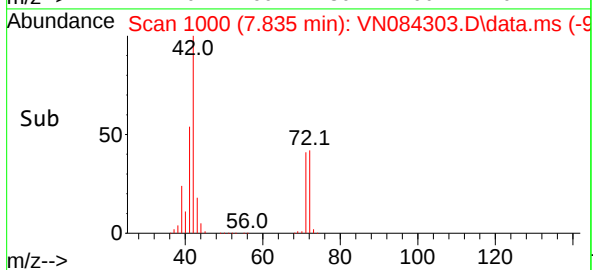
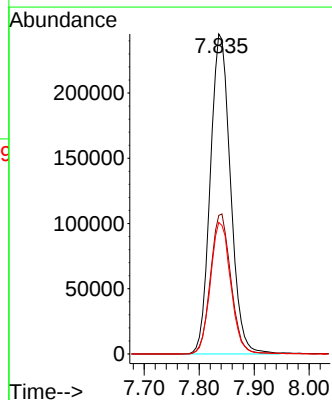
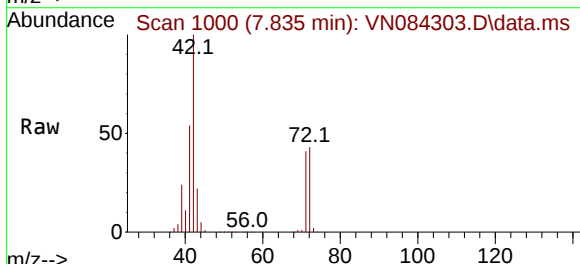
Instrument :
MSVOA_N
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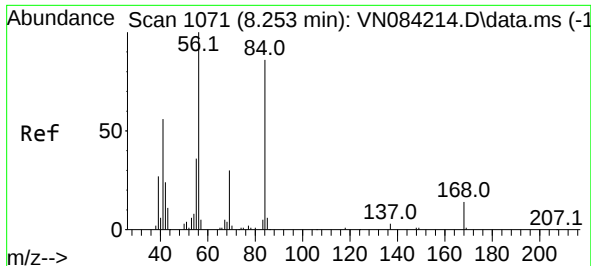
Tgt Ion: 49 Resp: 1202
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 58.0 87.0#



#29
Tetrahydrofuran
Concen: 691.489 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion: 42 Resp: 626250
Ion Ratio Lower Upper
42 100
72 44.2 34.6 51.8
71 41.3 32.2 48.4

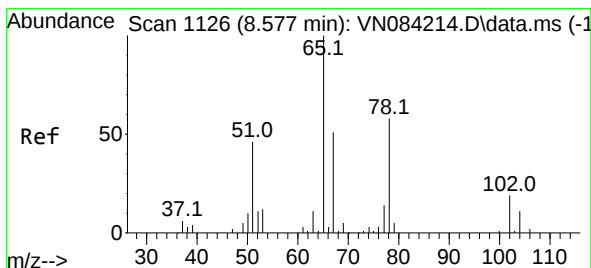
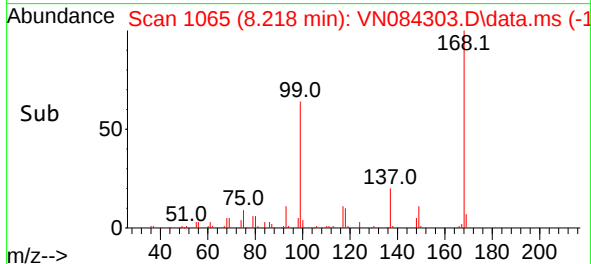
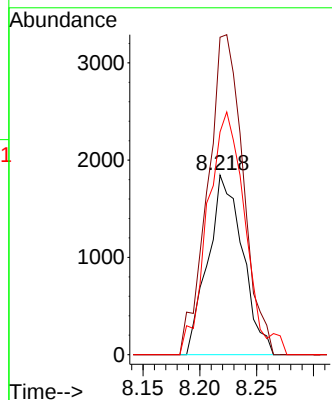
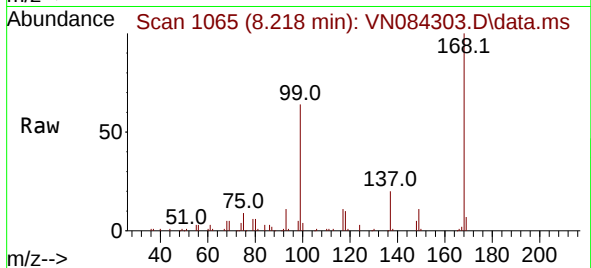




#31
Cyclohexane
Concen: 1.052 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

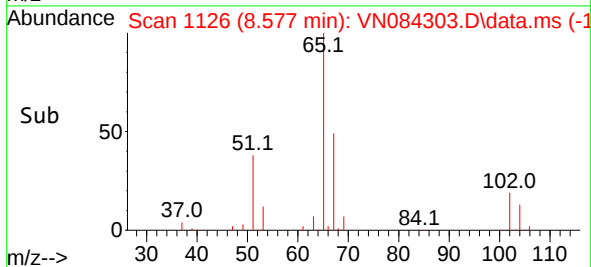
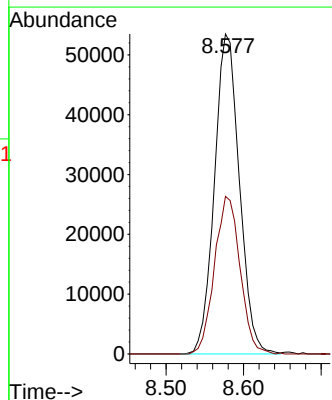
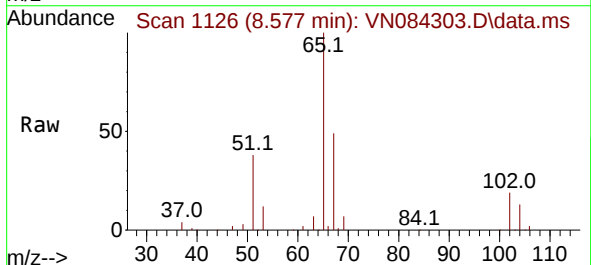
Instrument :
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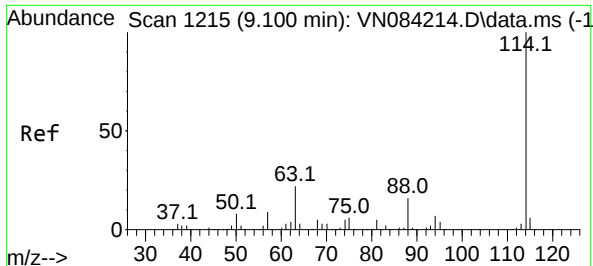
Tgt Ion: 56 Resp: 3907
Ion Ratio Lower Upper
56 100
69 176.8 23.8 35.6#
84 124.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.719 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion: 65 Resp: 119691
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN084303.D

Acq: 03 Oct 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

WATER-TOTES

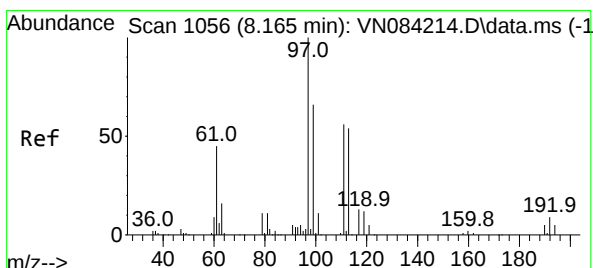
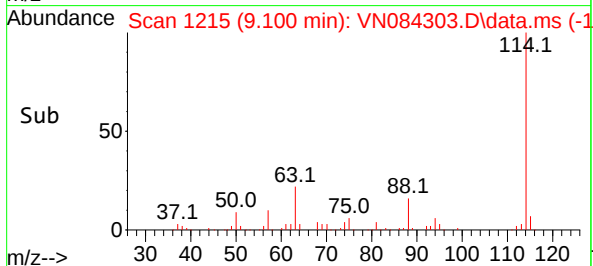
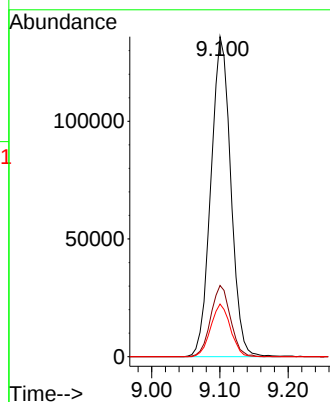
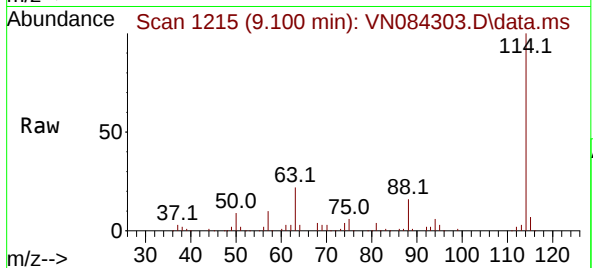
Tgt Ion:114 Resp: 276050

Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.8

88 16.4 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.552 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN084303.D

Acq: 03 Oct 2024 17:03

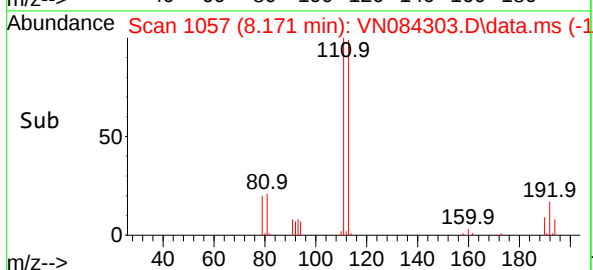
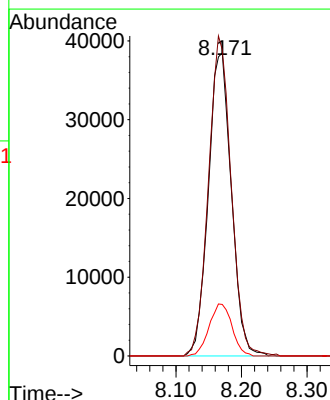
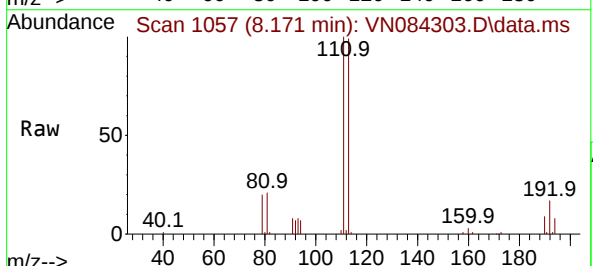
Tgt Ion:113 Resp: 93820

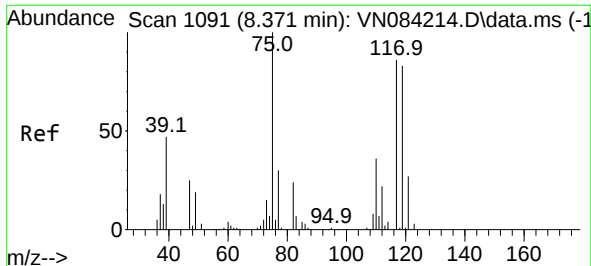
Ion Ratio Lower Upper

113 100

111 103.7 83.3 124.9

192 17.0 13.5 20.3

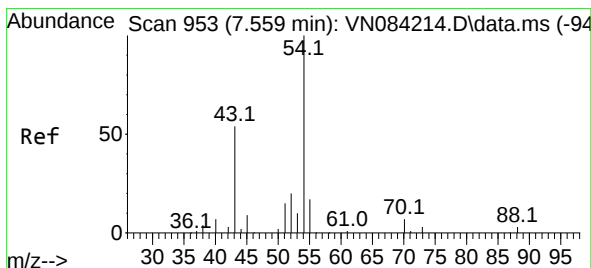
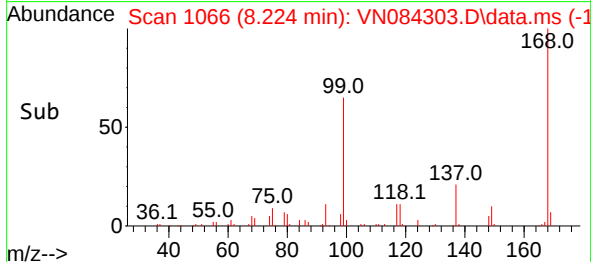
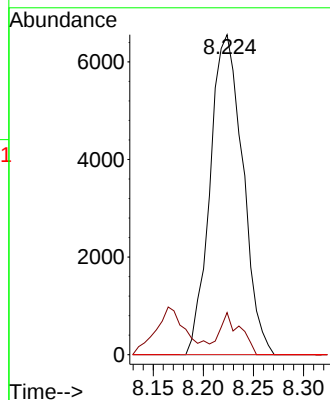
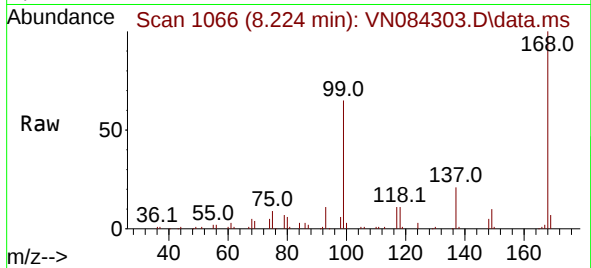




#36
1,1-Dichloropropene
Concen: 5.624 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

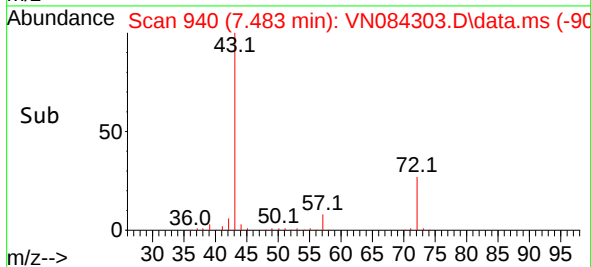
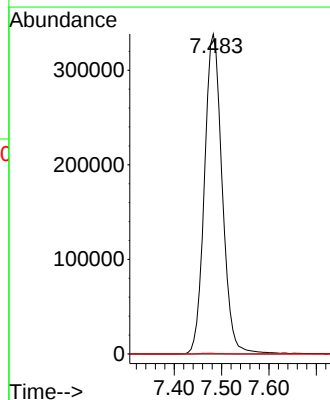
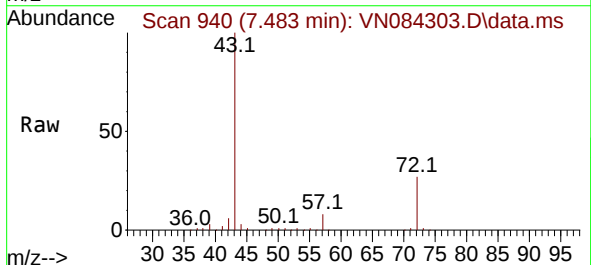
Instrument :
MSVOA_N
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WATER-TOTES

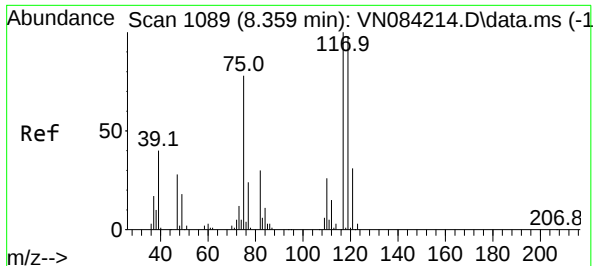
Tgt Ion: 75 Resp: 14868
Ion Ratio Lower Upper
75 100
110 8.3 16.9 50.7#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 324.759 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.077 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion: 43 Resp: 880736
Ion Ratio Lower Upper
43 100
61 0.0 10.7 16.1#
70 0.2 8.8 13.2#

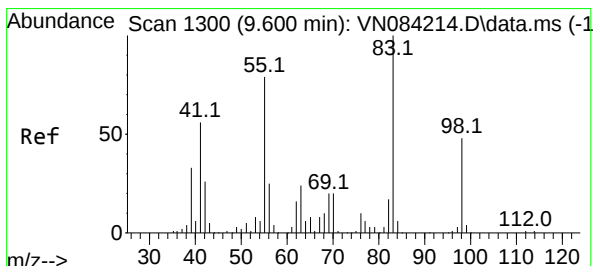
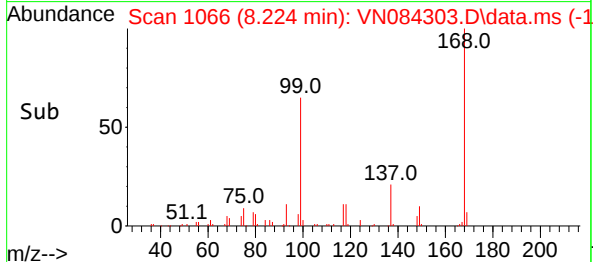
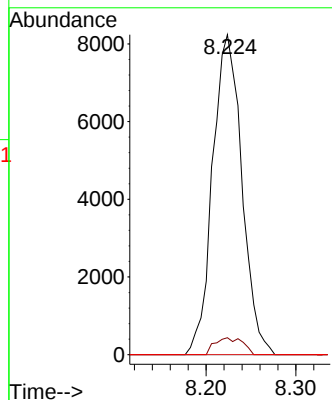
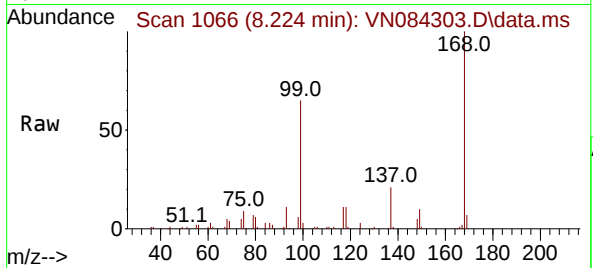




#38
Carbon Tetrachloride
Concen: 6.433 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.135 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

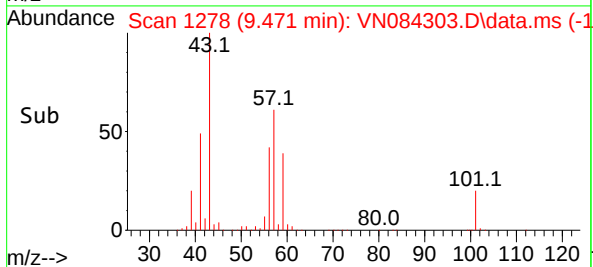
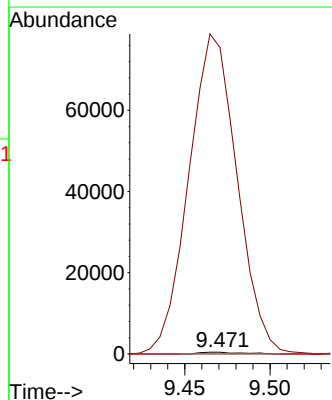
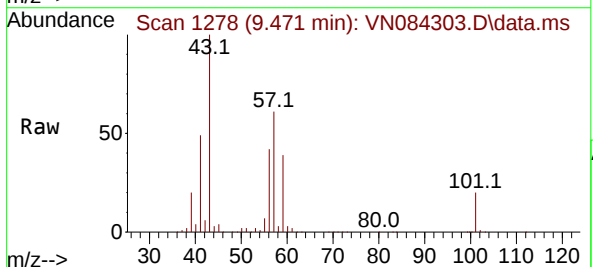
Instrument :
MSVOA_N
ClientSampleId :
WATER-TOTES

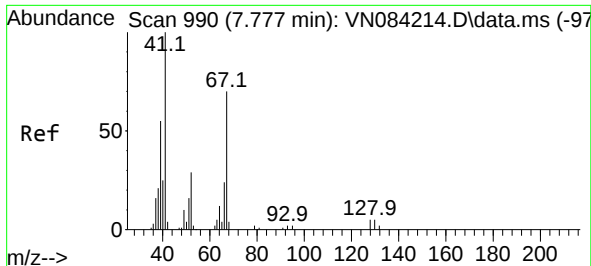
Tgt Ion:117 Resp: 18653
Ion Ratio Lower Upper
117 100
119 5.3 78.7 118.1#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 0.246 ug/l
RT: 9.471 min Scan# 1278
Delta R.T. -0.129 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion: 83 Resp: 724
Ion Ratio Lower Upper
83 100
55 16671.5 62.8 94.2#
98 0.0 38.8 58.2#

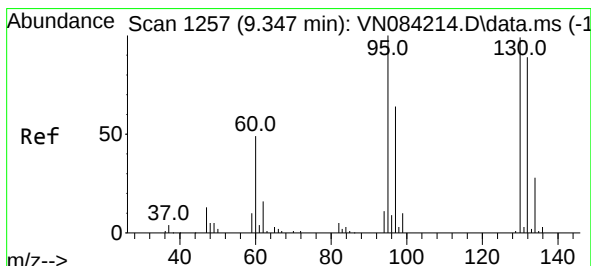
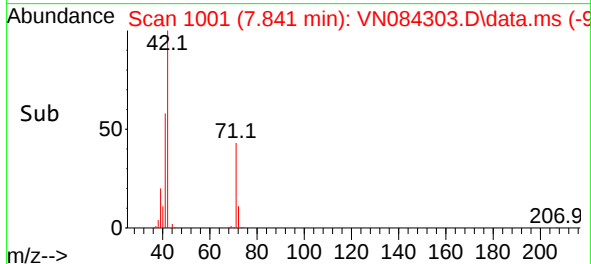
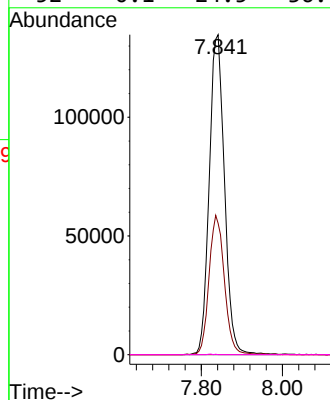
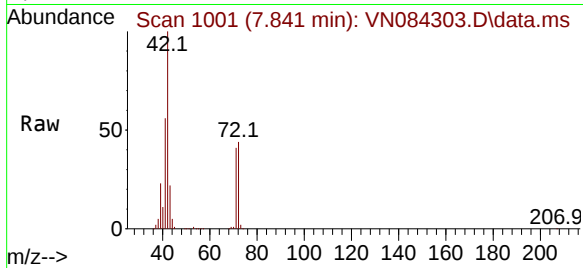




#41
Methacrylonitrile
Concen: 237.873 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

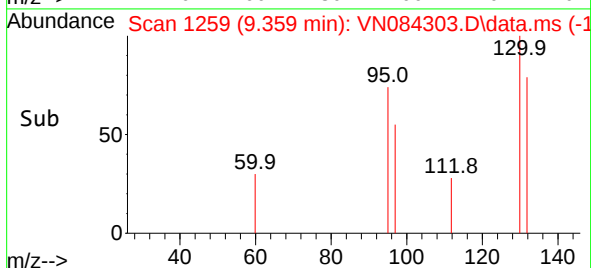
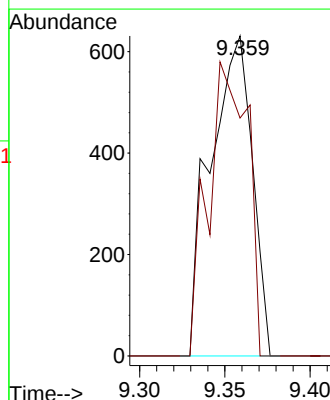
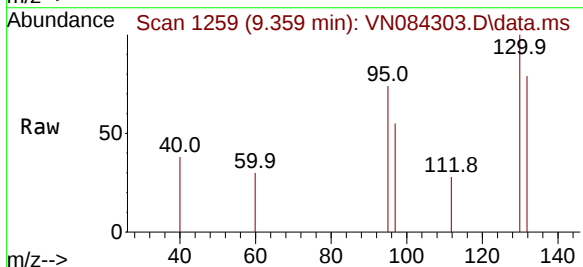
Instrument :
MSVOA_N
ClientSampleId :
WATER-TOTES

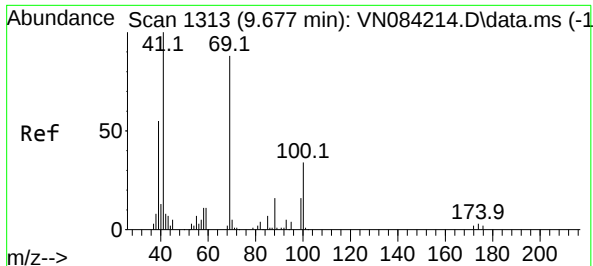
Tgt Ion: 41 Resp: 350220
Ion Ratio Lower Upper
41 100
39 43.7 43.3 64.9
67 0.0 56.1 84.1#
52 0.1 24.5 36.7#



#44
Trichloroethene
Concen: 0.561 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.012 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion:130 Resp: 1080
Ion Ratio Lower Upper
130 100
95 74.3 0.0 203.0





#48

Methyl methacrylate

Concen: 496.735 ug/l

RT: 9.465 min Scan# 1

Delta R.T. -0.212 min

Lab File: VN084303.D

Acq: 03 Oct 2024 17:03

Instrument :

MSVOA_N

ClientSampleId :

WATER-TOTES

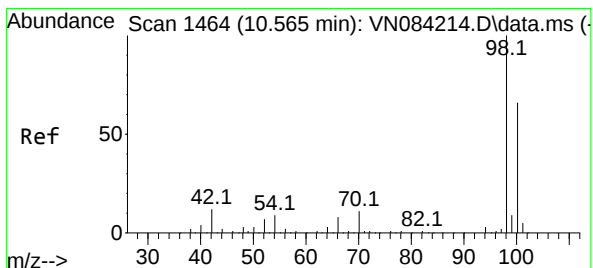
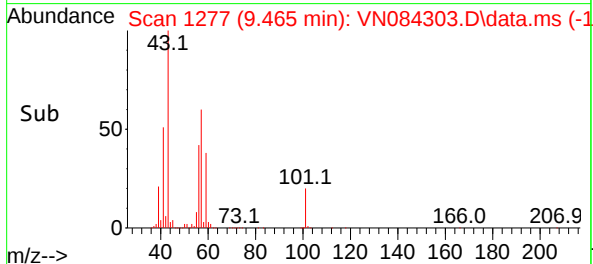
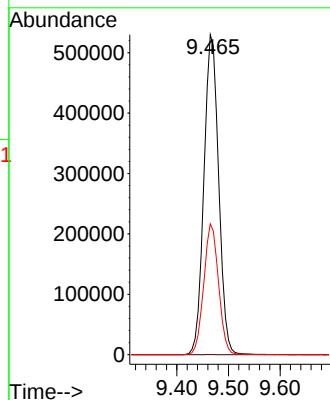
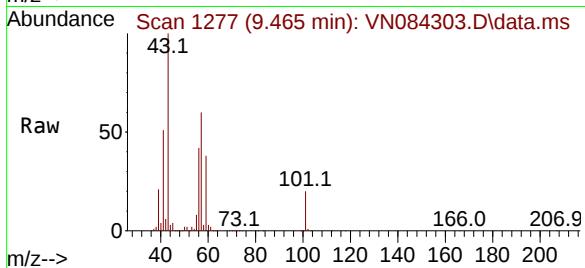
Tgt Ion: 41 Resp: 1050365

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 40.9 45.8 68.6#



#50

Toluene-d8

Concen: 50.509 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084303.D

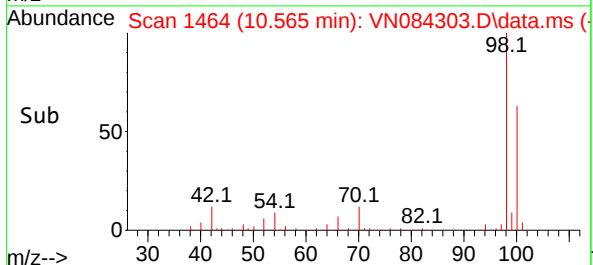
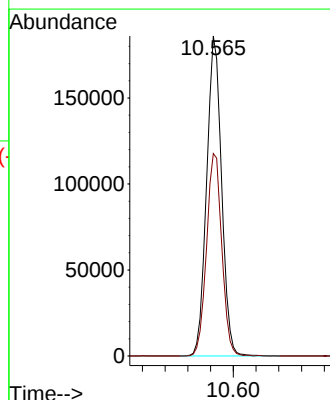
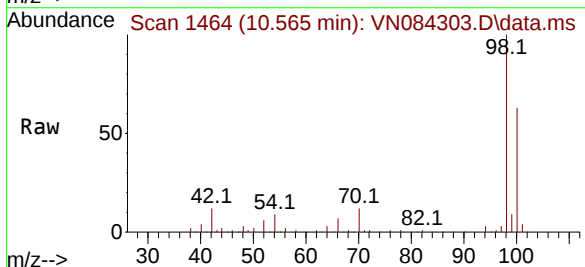
Acq: 03 Oct 2024 17:03

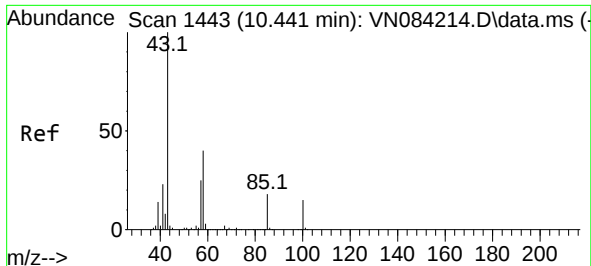
Tgt Ion: 98 Resp: 338188

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1

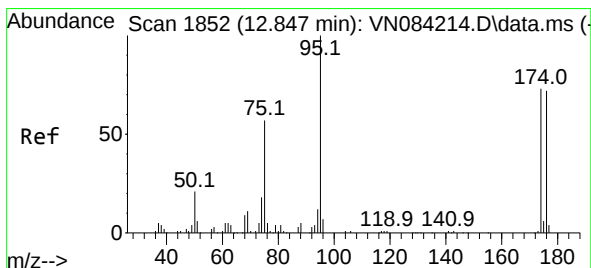
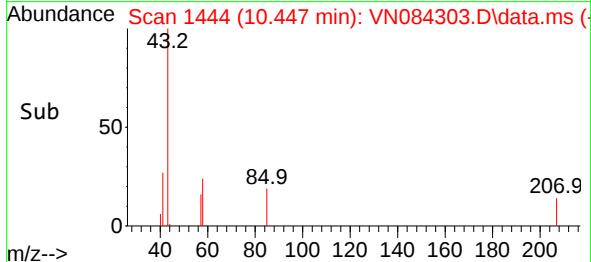
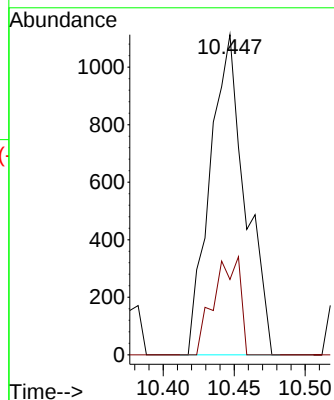
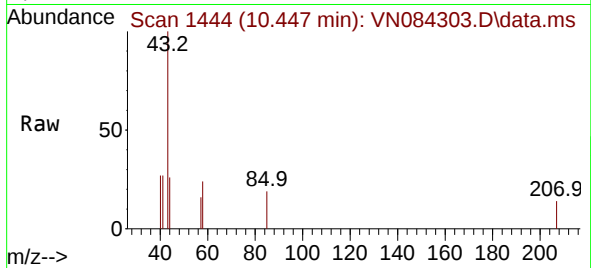




#51
4-Methyl-2-Pentanone
Concen: 0.744 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

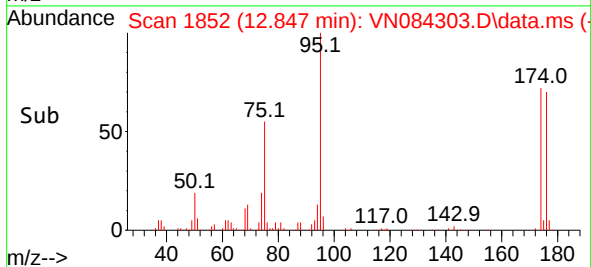
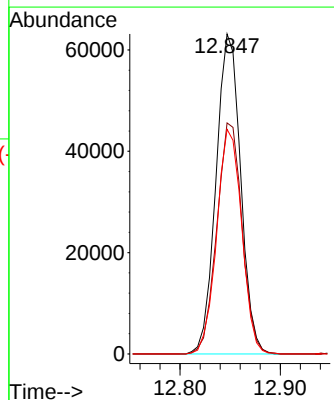
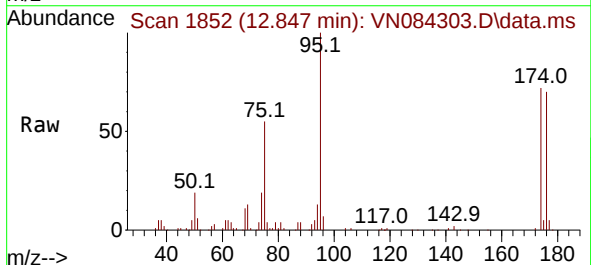
Instrument :
MSVOA_N
ClientSampleId :
WATER-TOTES

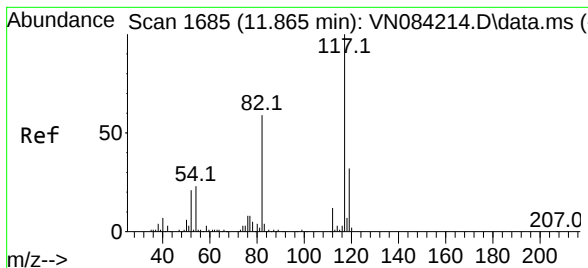
Tgt Ion: 43 Resp: 1922
Ion Ratio Lower Upper
43 100
58 22.9 31.6 47.4#



#62
4-Bromofluorobenzene
Concen: 44.102 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion: 95 Resp: 107577
Ion Ratio Lower Upper
95 100
174 74.1 0.0 145.2
176 71.1 0.0 140.0

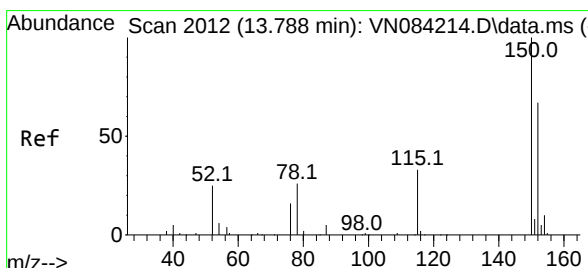
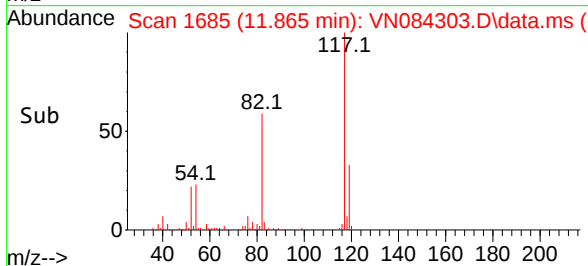
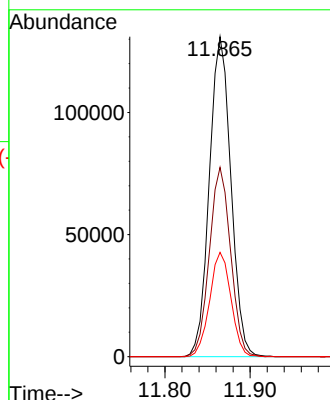
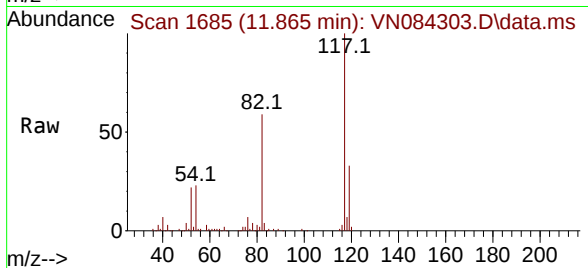




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

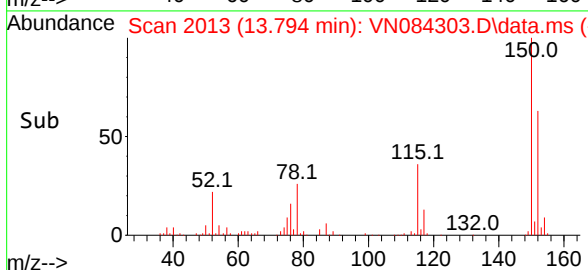
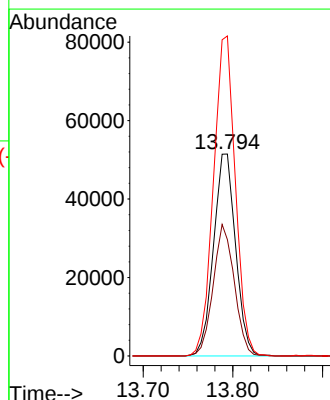
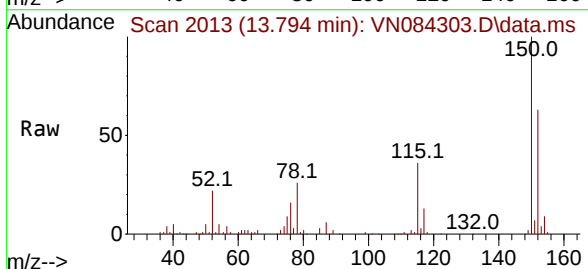
Instrument :
MSVOA_N
ClientSampleId :
WATER-TOTES

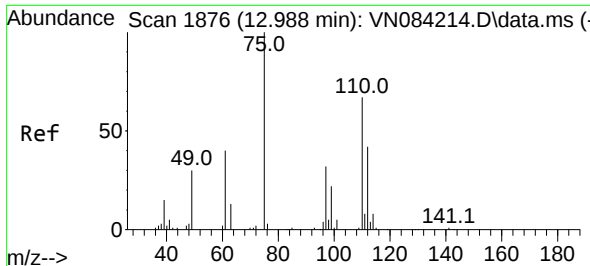
Tgt Ion:117 Resp: 230898
Ion Ratio Lower Upper
117 100
82 59.2 47.2 70.8
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion:152 Resp: 87956
Ion Ratio Lower Upper
152 100
115 62.5 31.3 93.9
150 156.7 0.0 349.8

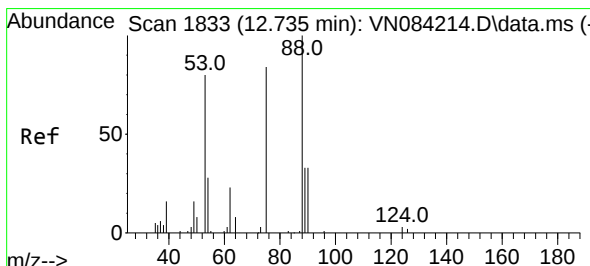
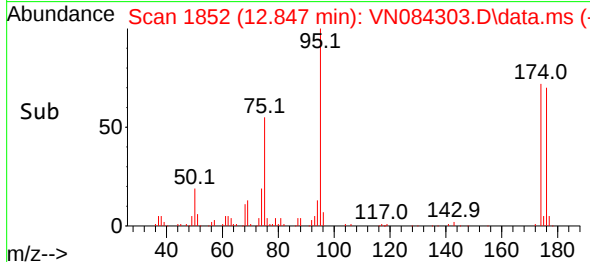
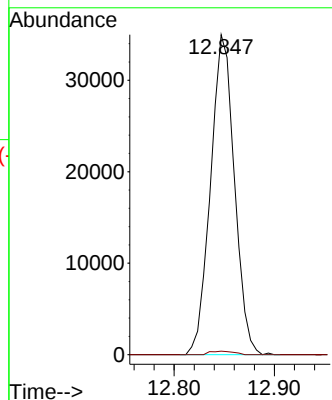
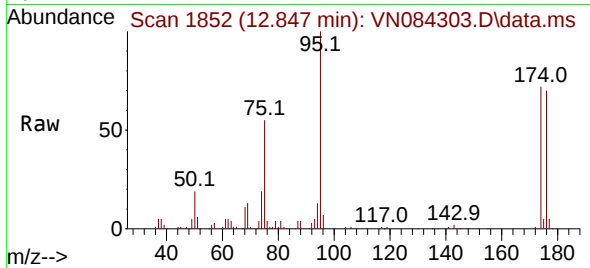




#76
1,2,3-Trichloropropane
Concen: 32.240 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Instrument :
MSVOA_N
ClientSampleId :
WATER-TOTES

Tgt Ion: 75 Resp: 57891
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 77.293 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084303.D
Acq: 03 Oct 2024 17:03

Tgt Ion: 75 Resp: 57891
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

