

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111724\
 Data File : VN084899.D
 Acq On : 17 Nov 2024 16:48
 Operator : JC\MD
 Sample : P4845-14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 18 00:23:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

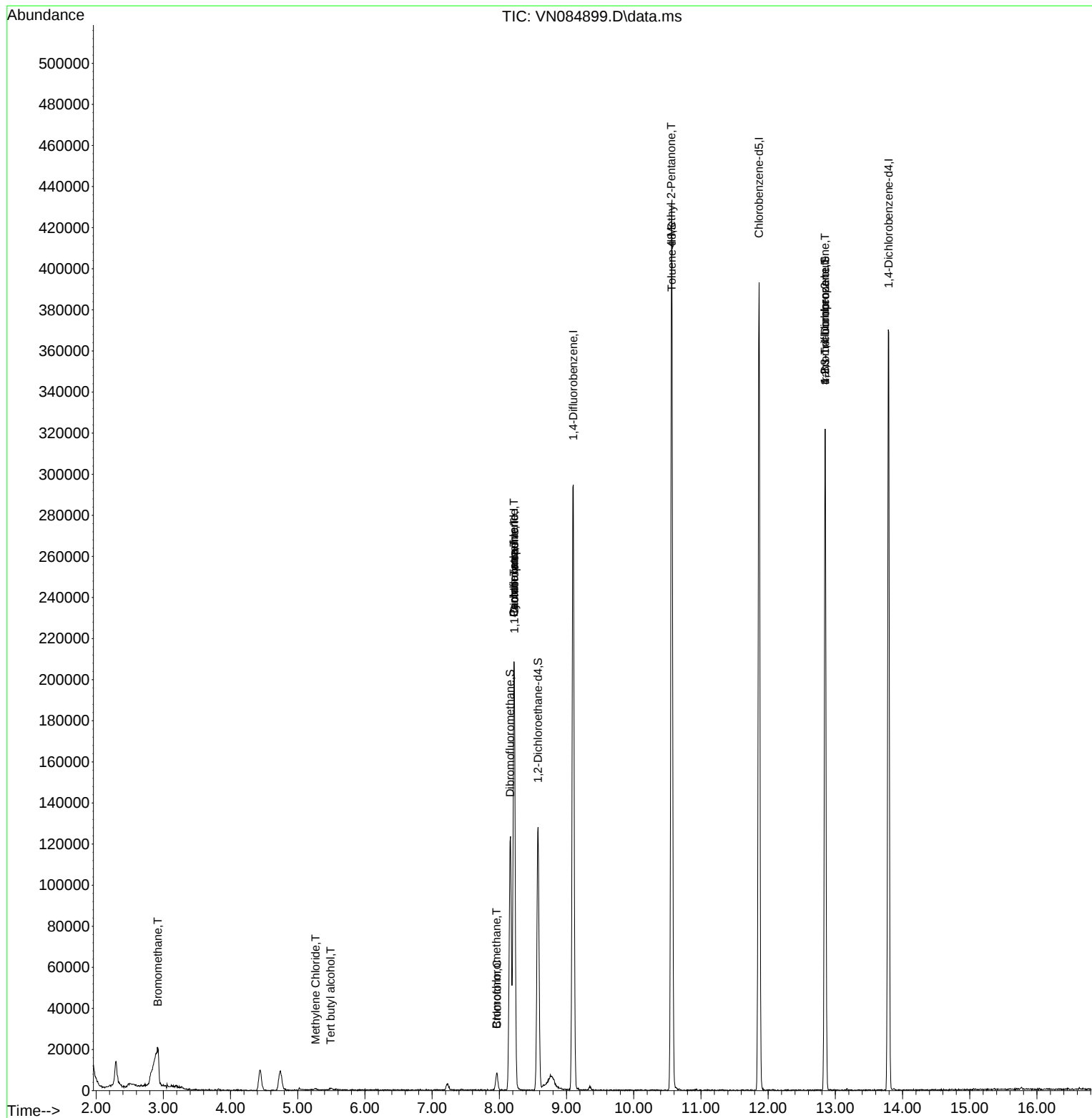
Internal Standards						
1) Pentafluorobenzene	8.218	168	149841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257696	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	230033	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	103410	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108596	50.178	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 100.360%	
35) Dibromofluoromethane	8.159	113	89690	51.419	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.840%	
50) Toluene-d8	10.565	98	296575	46.157	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 92.320%	
62) 4-Bromofluorobenzene	12.847	95	113102	47.099	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 94.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.354	50	613	Below Cal	#	41
5) Bromomethane	2.918	94	250	0.255	ug/l #	4
6) Chloroethane	3.118	64	217	Below Cal	#	45
11) Tert butyl alcohol	5.489	59	615	2.153	ug/l #	73
16) Acetone	4.430	43	1311	Below Cal	#	44
18) Methyl Acetate	5.024	43	765	Below Cal	#	70
20) Methylene Chloride	5.265	84	539	0.283	ug/l #	40
28) Bromochloromethane	7.959	49	438	0.333	ug/l #	15
30) Chloroform	7.965	83	8713	2.593	ug/l	96
31) Cyclohexane	8.218	56	3005	1.006	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	12124	5.012	ug/l #	51
38) Carbon Tetrachloride	8.218	117	16246	6.008	ug/l #	16
43) Isopropyl Acetate	8.653	43	1415	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.559	43	1166	0.557	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	58356	28.231	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	58356	66.974	ug/l #	11

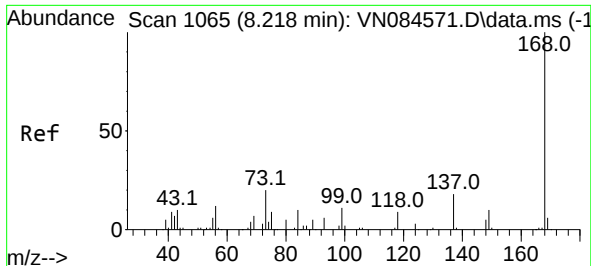
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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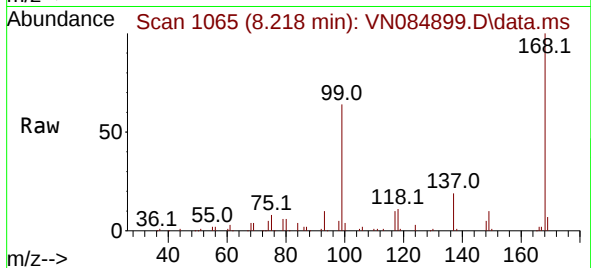
Quant Time: Nov 18 00:23:10 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
Response via : Initial Calibration



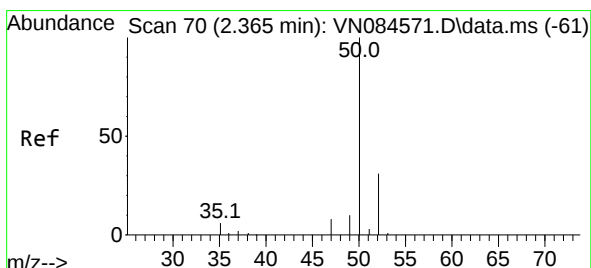
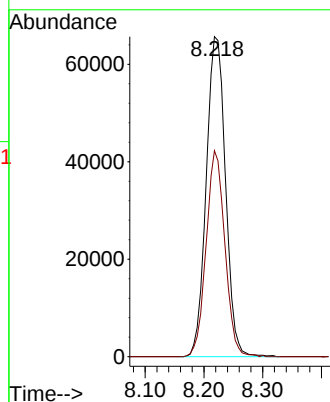
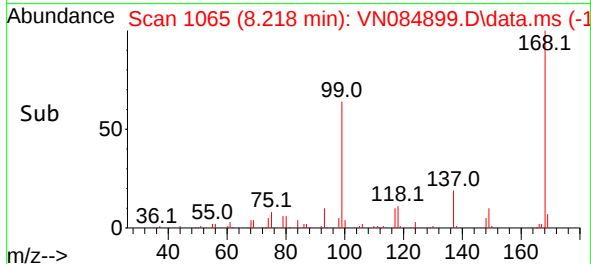


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :

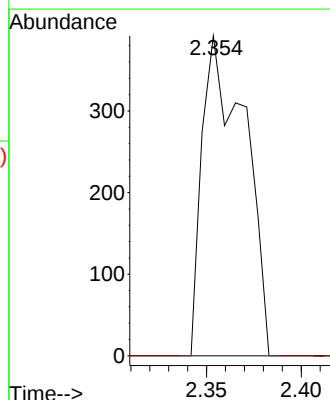
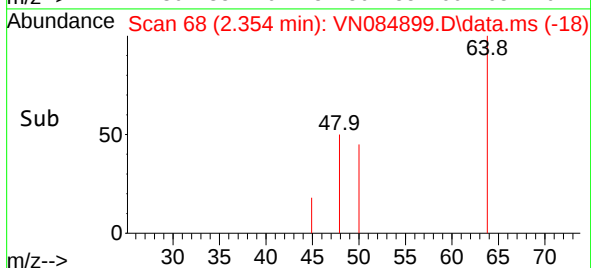
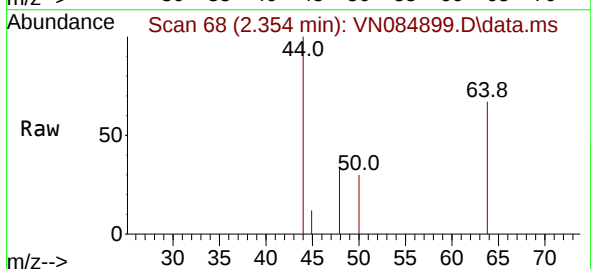


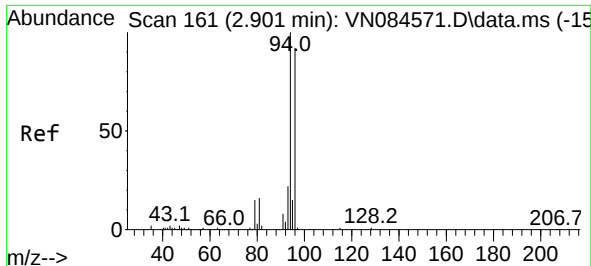
Tgt Ion:168 Resp: 149841
Ion Ratio Lower Upper
168 100
99 64.3 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.354 min Scan# 68
Delta R.T. -0.005 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

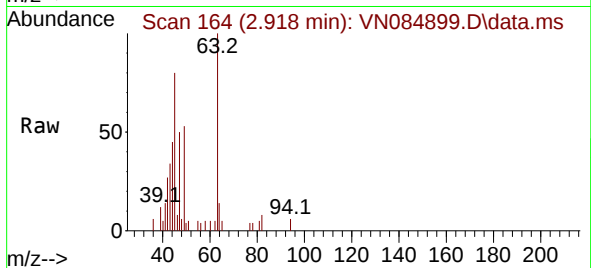
Tgt Ion: 50 Resp: 613
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#



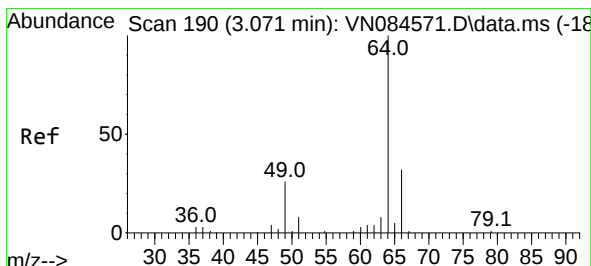
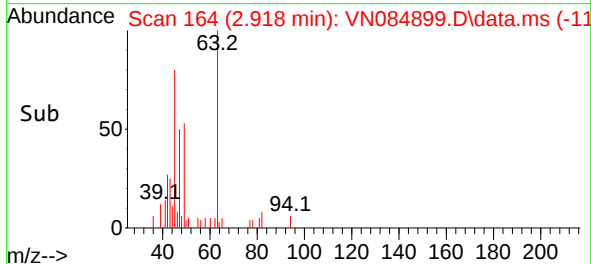
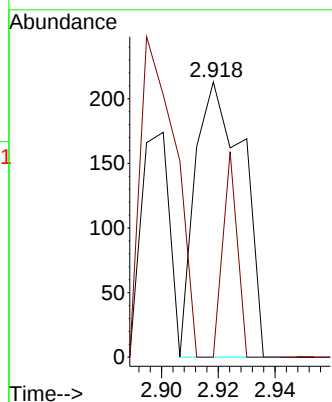


#5
Bromomethane
Concen: 0.255 ug/l
RT: 2.918 min Scan# 11
Delta R.T. -0.035 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :

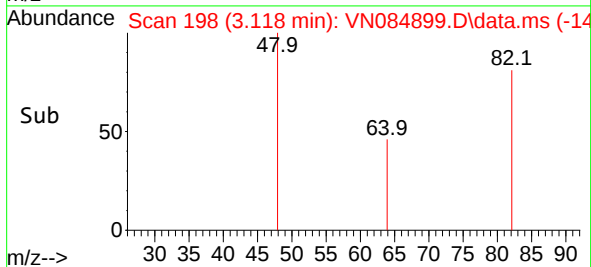
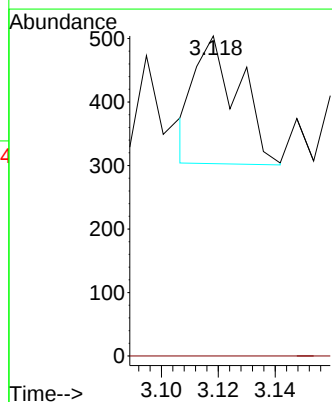
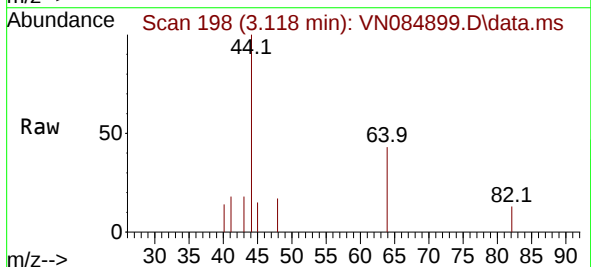


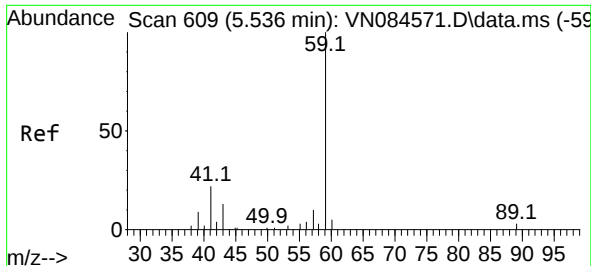
Tgt Ion: 94 Resp: 250
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 198
Delta R.T. 0.000 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Tgt Ion: 64 Resp: 217
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

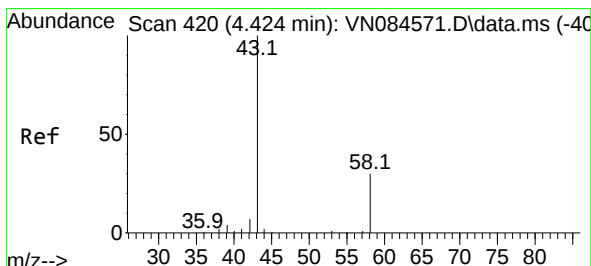
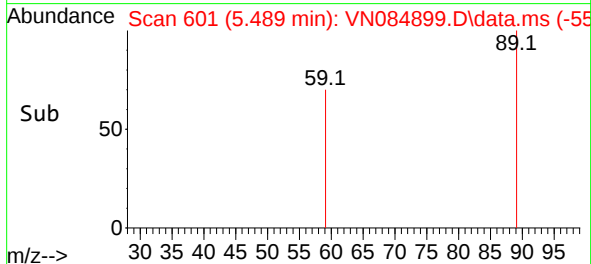
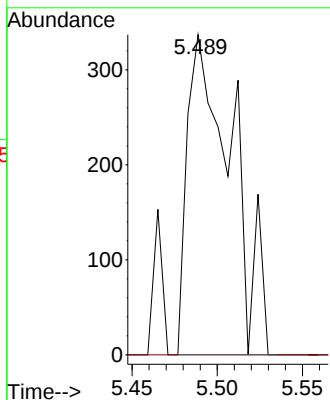
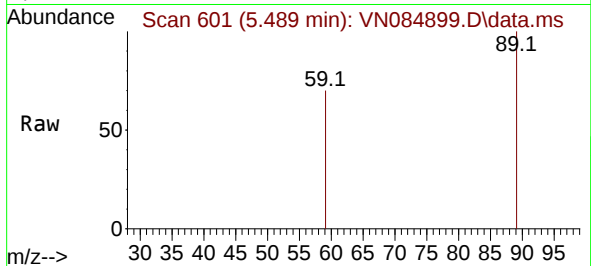




#11
Tert butyl alcohol
Concen: 2.153 ug/l
RT: 5.489 min Scan# 609
Delta R.T. -0.035 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

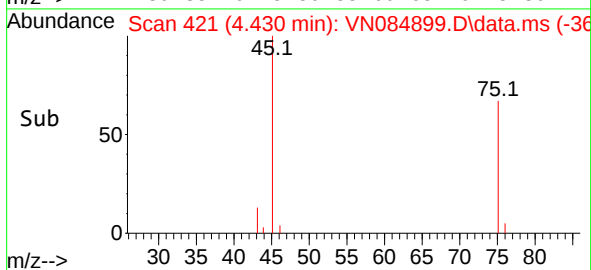
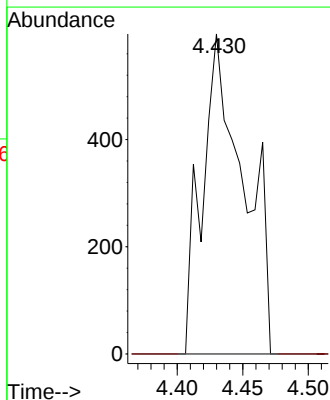
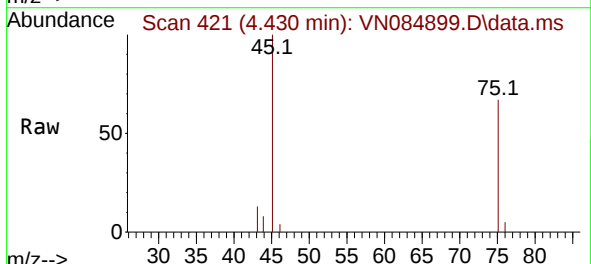
Instrument :
MSVOA_N
ClientSampleId :

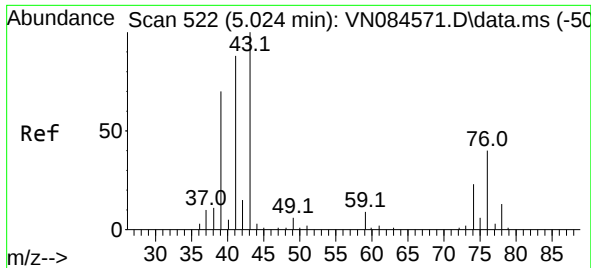
Tgt Ion: 59 Resp: 615
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Tgt Ion: 43 Resp: 1311
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#

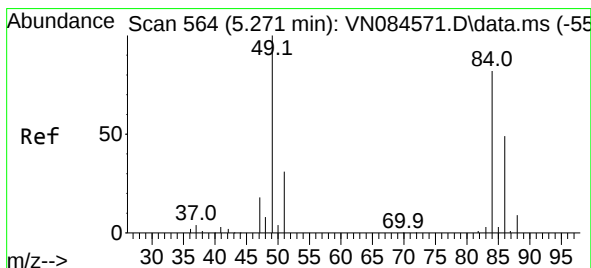
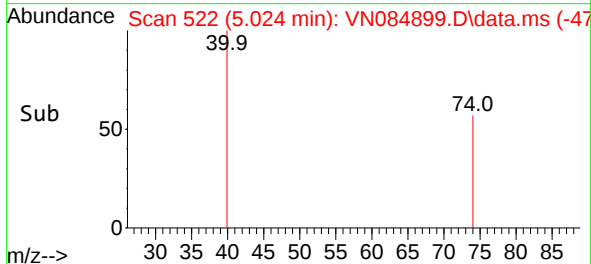
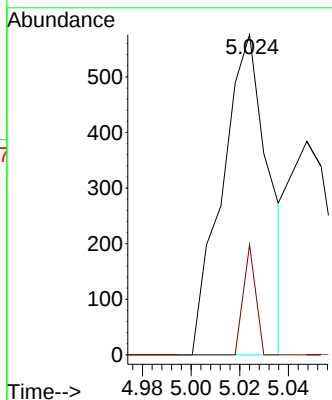
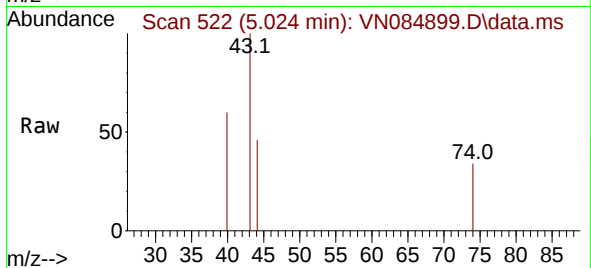




#18
Methyl Acetate
Concen: Below Cal
RT: 5.024 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

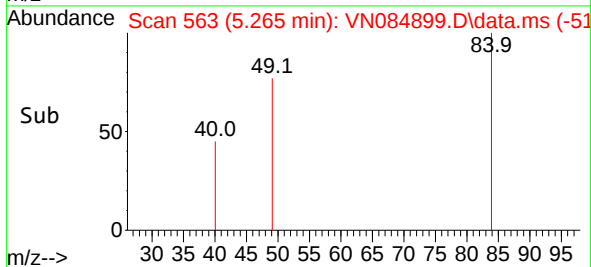
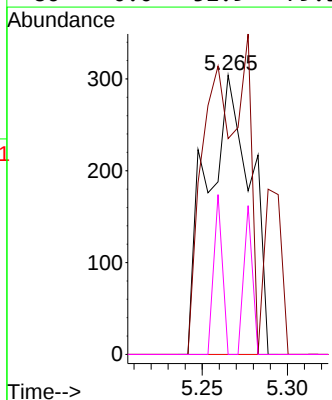
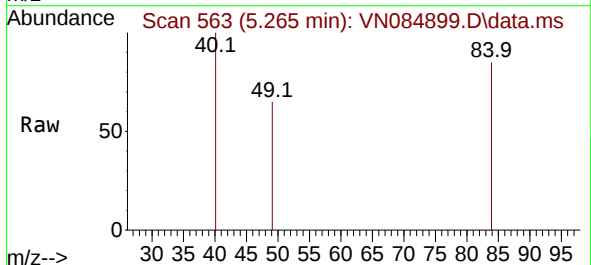
Instrument :
MSVOA_N
ClientSampleId :

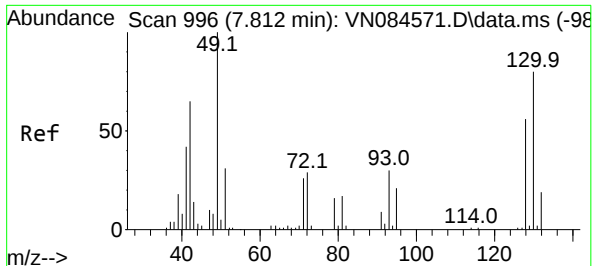
Tgt Ion: 43 Resp: 765
Ion Ratio Lower Upper
43 100
74 9.2 19.2 28.8#



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Tgt Ion: 84 Resp: 539
Ion Ratio Lower Upper
84 100
49 77.3 107.2 160.8#
51 0.0 31.8 47.8#
86 0.0 52.9 79.3#





#28

Bromochloromethane

Concen: 0.333 ug/l

RT: 7.959 min Scan# 1021

Delta R.T. 0.147 min

Lab File: VN084899.D

Acq: 17 Nov 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

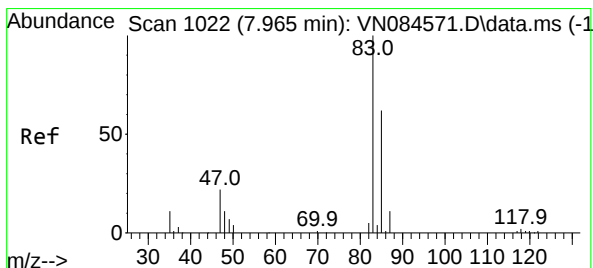
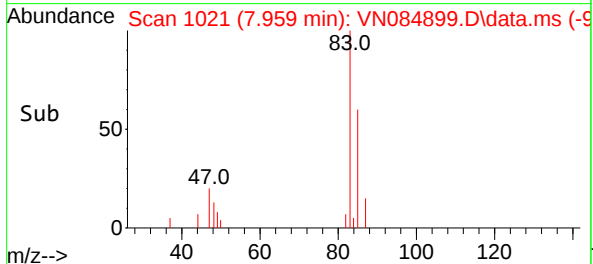
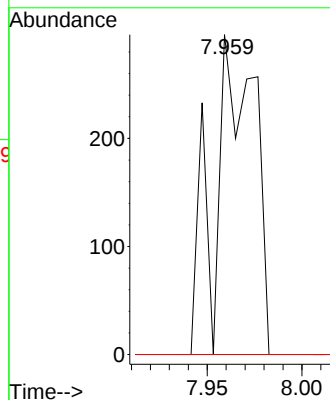
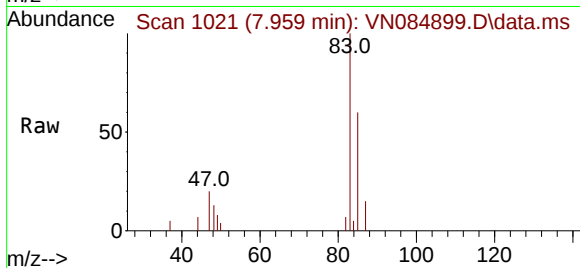
Tgt Ion: 49 Resp: 438

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

130 0.0 58.0 87.0#



#30

Chloroform

Concen: 2.593 ug/l

RT: 7.965 min Scan# 1022

Delta R.T. 0.000 min

Lab File: VN084899.D

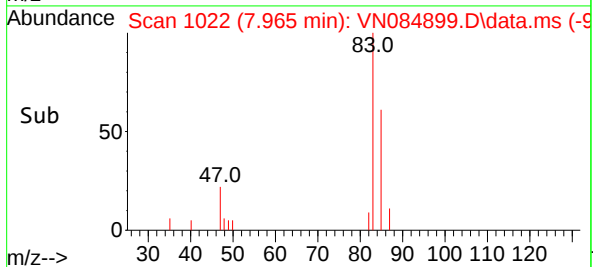
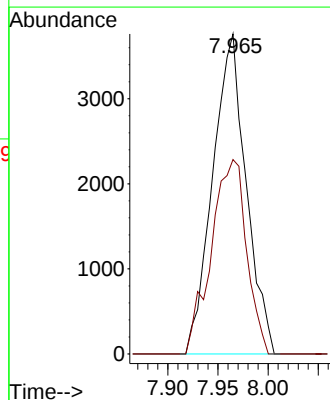
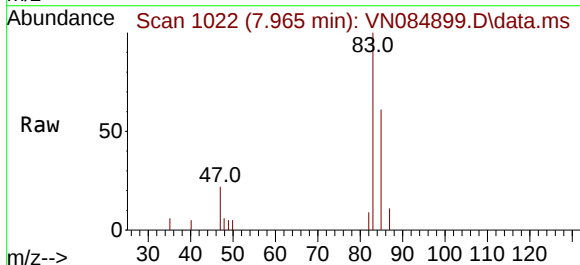
Acq: 17 Nov 2024 16:48

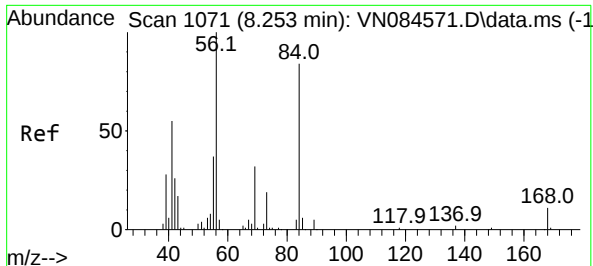
Tgt Ion: 83 Resp: 8713

Ion Ratio Lower Upper

83 100

85 60.7 51.0 76.4





#31

Cyclohexane

Concen: 1.006 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

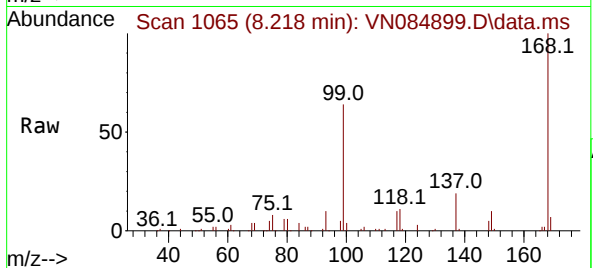
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Acq: 17 Nov 2024 16:48

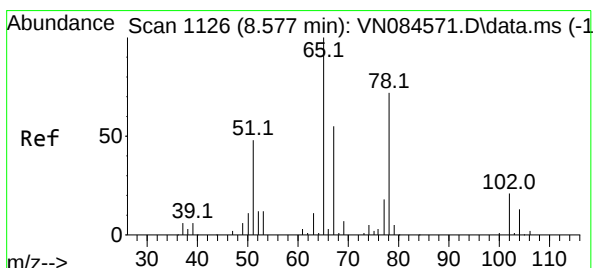
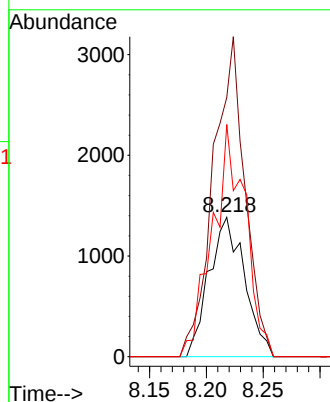
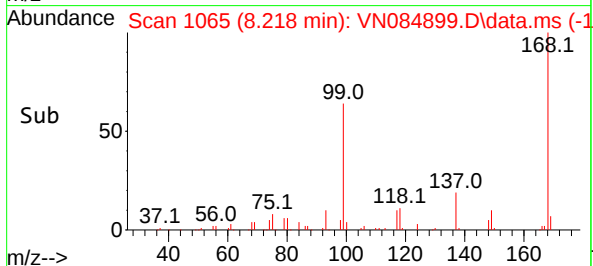
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	56	Resp:	3005
Ion Ratio	100	Lower	Upper
69	185.9	23.8	35.6#
84	166.4	68.8	103.2#



#33

1,2-Dichloroethane-d4

Concen: 50.178 ug/l

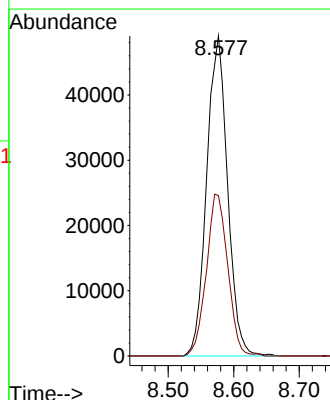
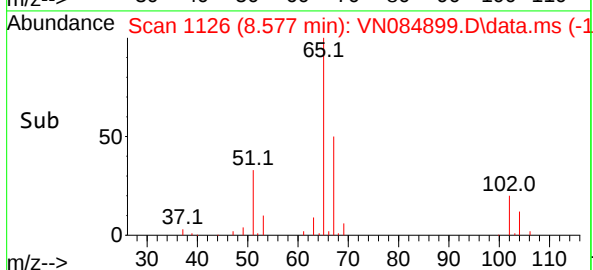
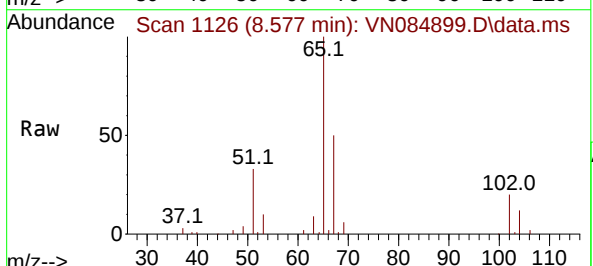
RT: 8.577 min Scan# 1126

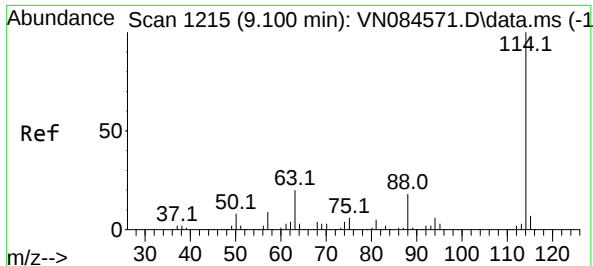
Delta R.T. -0.000 min

Lab File: VN084899.D

Acq: 17 Nov 2024 16:48

Tgt Ion:	65	Resp:	108596
Ion Ratio	100	Lower	Upper
67	51.8	0.0	102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084899.D

Acq: 17 Nov 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

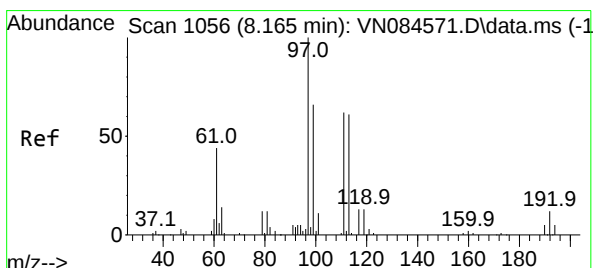
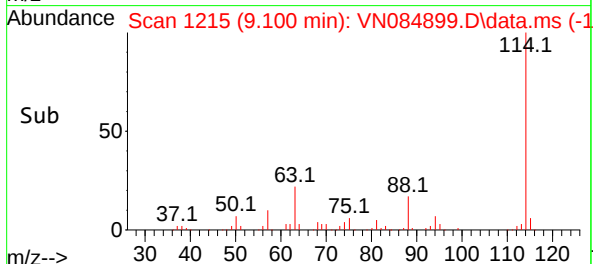
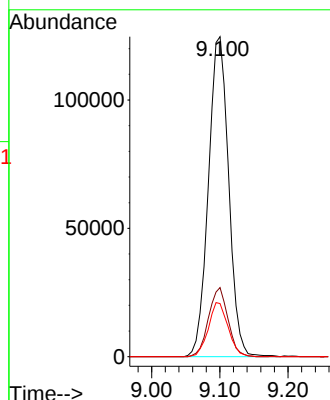
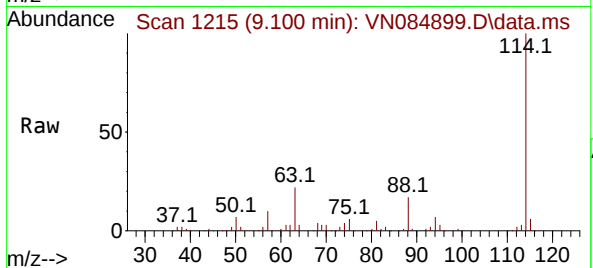
Tgt Ion:114 Resp: 257696

Ion Ratio Lower Upper

114 100

63 21.6 0.0 43.8

88 16.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.419 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084899.D

Acq: 17 Nov 2024 16:48

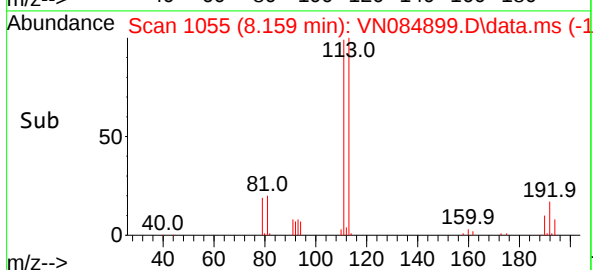
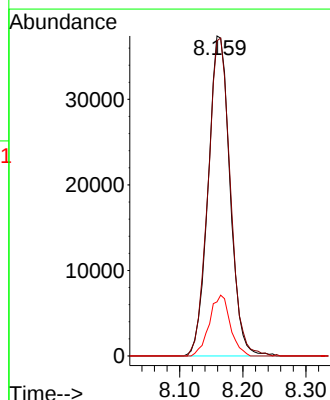
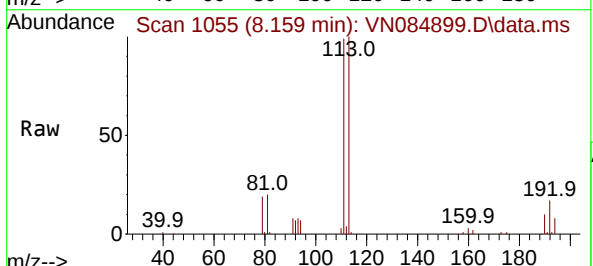
Tgt Ion:113 Resp: 89690

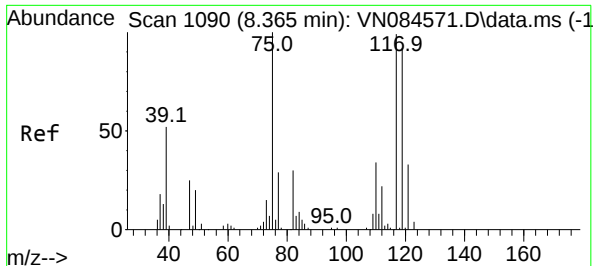
Ion Ratio Lower Upper

113 100

111 100.9 83.3 124.9

192 18.2 13.5 20.3

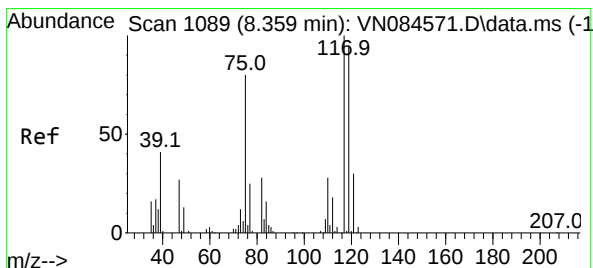
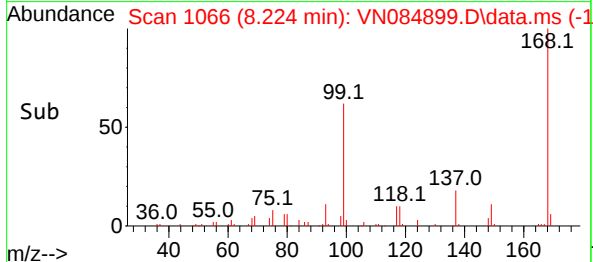
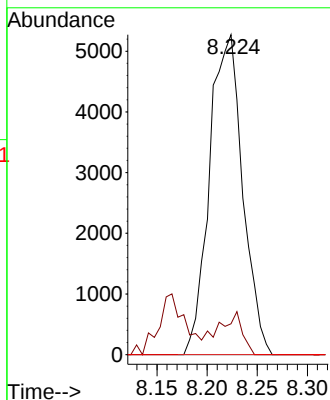
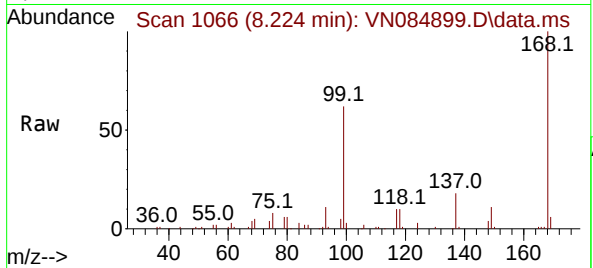




#36
1,1-Dichloropropene
Concen: 5.012 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.147 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

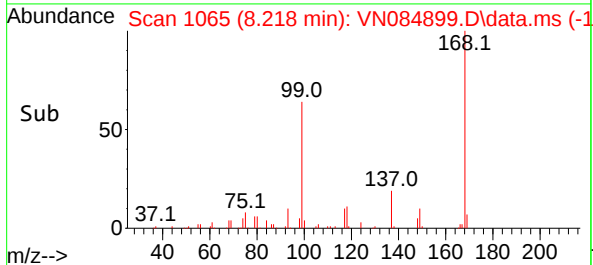
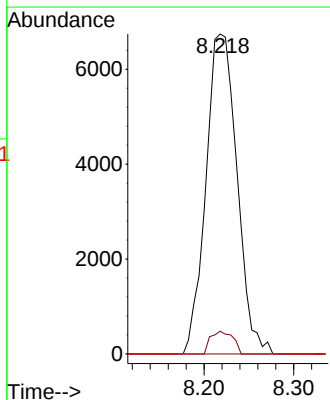
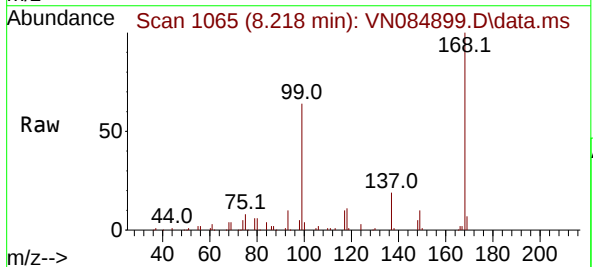
Instrument :
MSVOA_N
ClientSampleId :

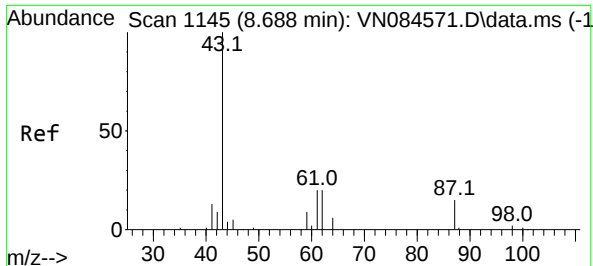
Tgt Ion: 75 Resp: 12124
Ion Ratio Lower Upper
75 100
110 9.9 16.9 50.7#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.008 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Tgt Ion: 117 Resp: 16246
Ion Ratio Lower Upper
117 100
119 7.1 78.7 118.1#
121 0.0 24.4 36.6#





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.653 min Scan# 1145

Delta R.T. -0.035 min

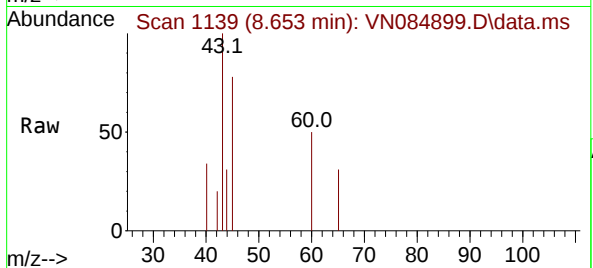
Lab File: VN084899.D

Acq: 17 Nov 2024 16:48

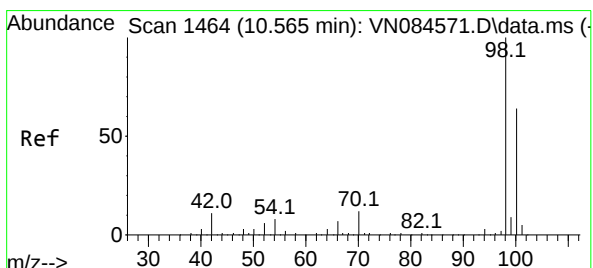
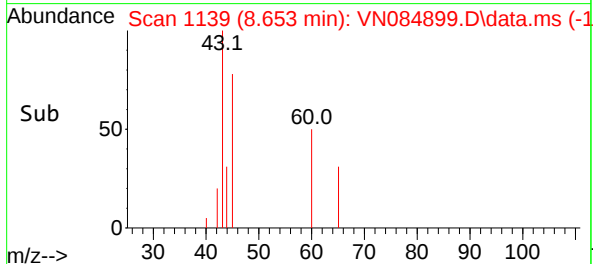
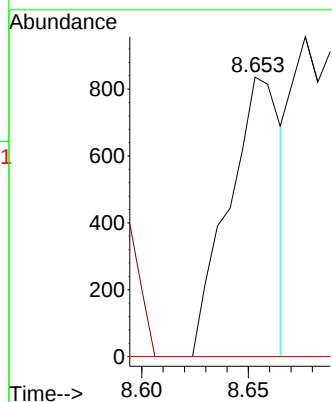
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 1415
Ion Ratio	Lower Upper
43	100
61	0.0 20.4 30.6#
87	0.0 10.3 15.5#



#50

Toluene-d8

Concen: 46.157 ug/l

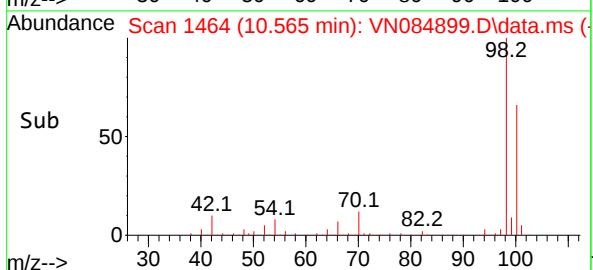
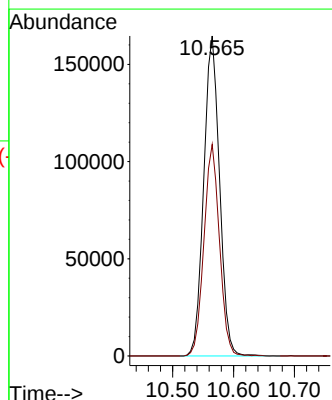
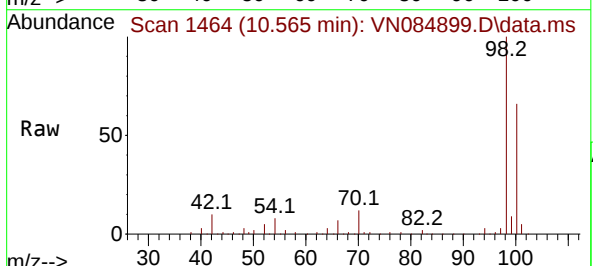
RT: 10.565 min Scan# 1464

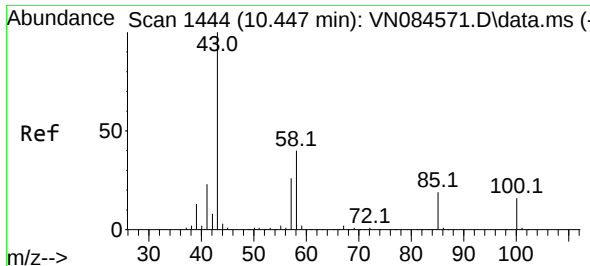
Delta R.T. -0.000 min

Lab File: VN084899.D

Acq: 17 Nov 2024 16:48

Tgt Ion: 98	Resp: 296575
Ion Ratio	Lower Upper
98	100
100	64.9 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.557 ug/l

RT: 10.559 min Scan# 14

Delta R.T. 0.118 min

Lab File: VN084899.D

Acq: 17 Nov 2024 16:48

Instrument :

MSVOA_N

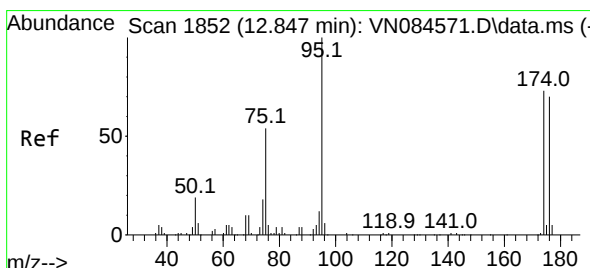
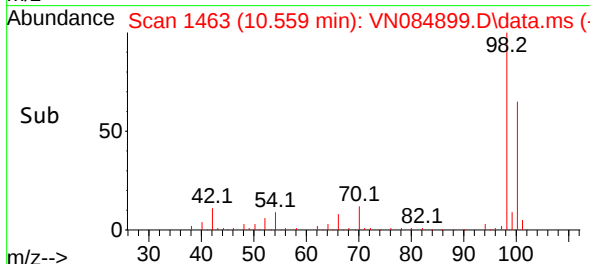
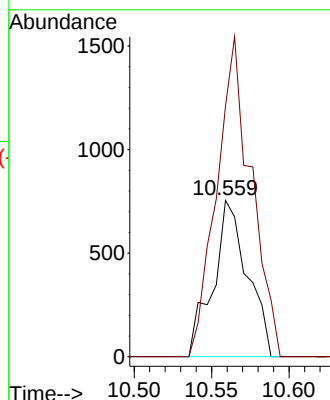
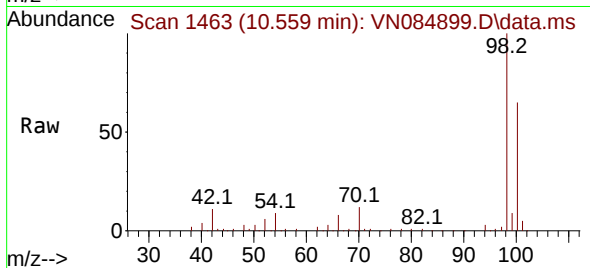
ClientSampleId :

Tgt Ion: 43 Resp: 1166

Ion Ratio Lower Upper

43 100

58 205.2 31.6 47.4#



#62

4-Bromofluorobenzene

Concen: 47.099 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084899.D

Acq: 17 Nov 2024 16:48

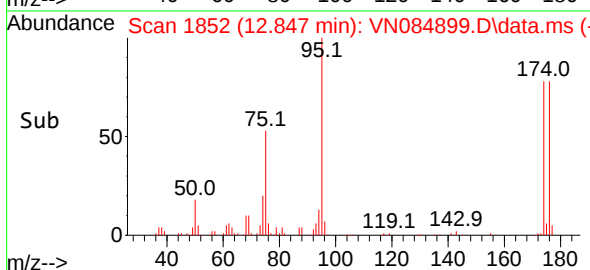
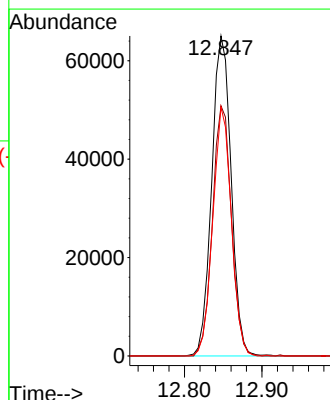
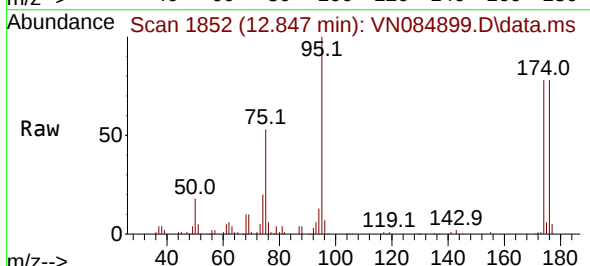
Tgt Ion: 95 Resp: 113102

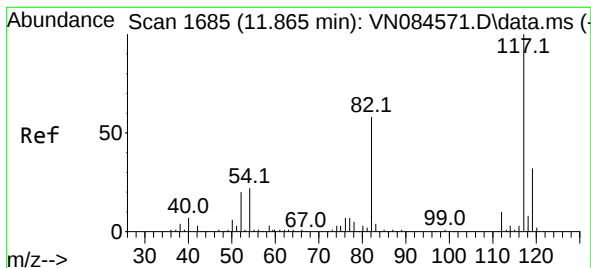
Ion Ratio Lower Upper

95 100

174 76.3 0.0 145.2

176 74.2 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: VN084899.D

Acq: 17 Nov 2024 16:48

Instrument :

MSVOA_N

ClientSampleId :

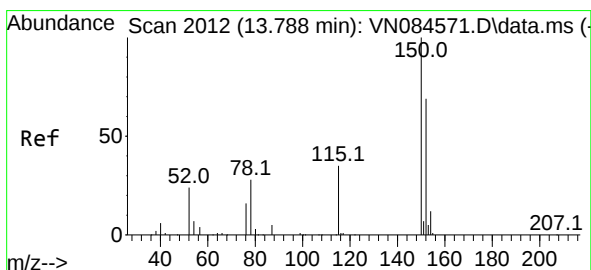
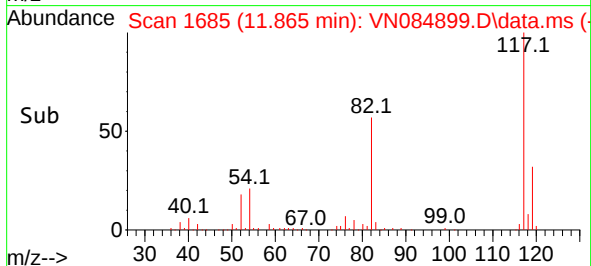
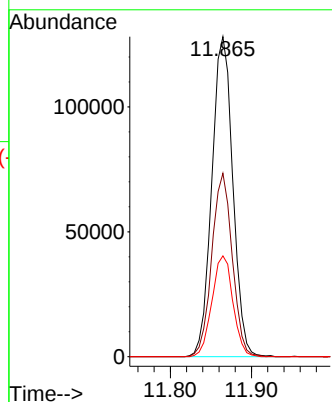
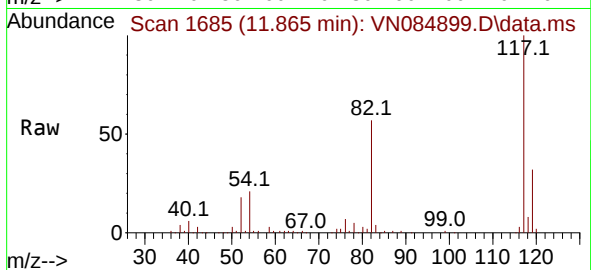
Tgt Ion:117 Resp: 230033

Ion Ratio Lower Upper

117 100

82 57.3 47.2 70.8

119 31.5 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: VN084899.D

Acq: 17 Nov 2024 16:48

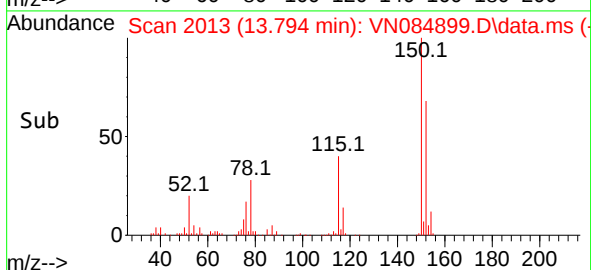
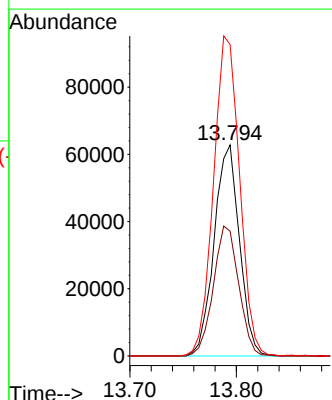
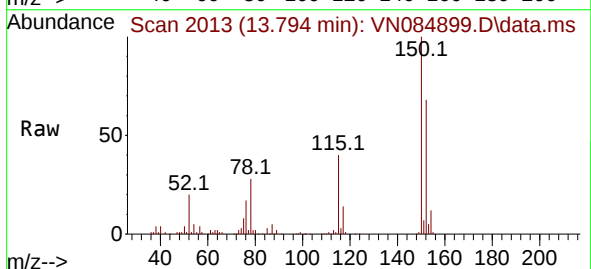
Tgt Ion:152 Resp: 103410

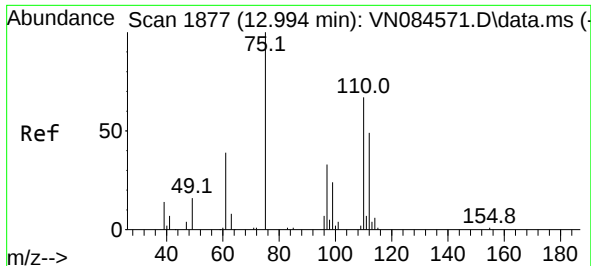
Ion Ratio Lower Upper

152 100

115 61.8 31.3 93.9

150 156.5 0.0 349.8

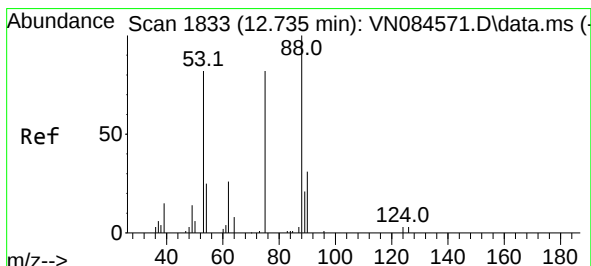
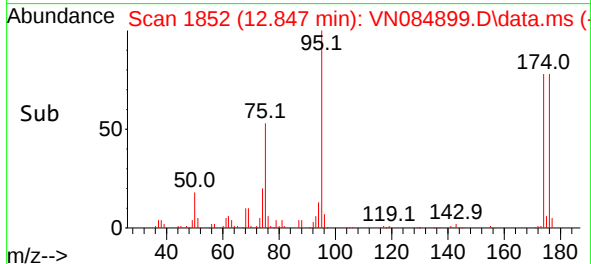
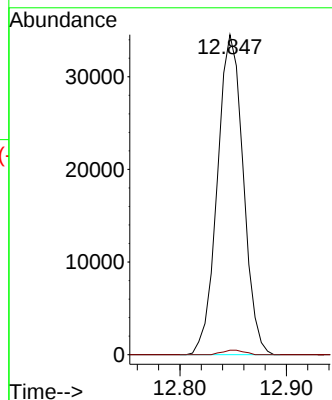
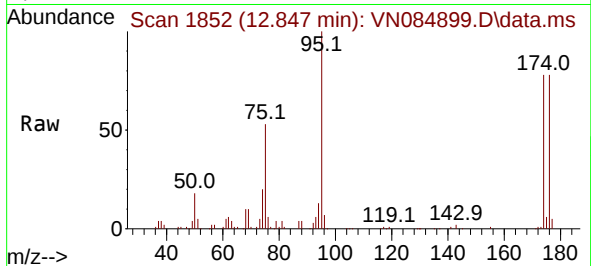




#76
1,2,3-Trichloropropane
Concen: 28.231 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 58356
Ion Ratio Lower Upper
75 100
77 1.2 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.974 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084899.D
Acq: 17 Nov 2024 16:48

Tgt Ion: 75 Resp: 58356
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#

