

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092424\
 Data File : VN084136.D
 Acq On : 24 Sep 2024 15:55
 Operator : JC\MD
 Sample : P4116-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 25 01:35:46 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

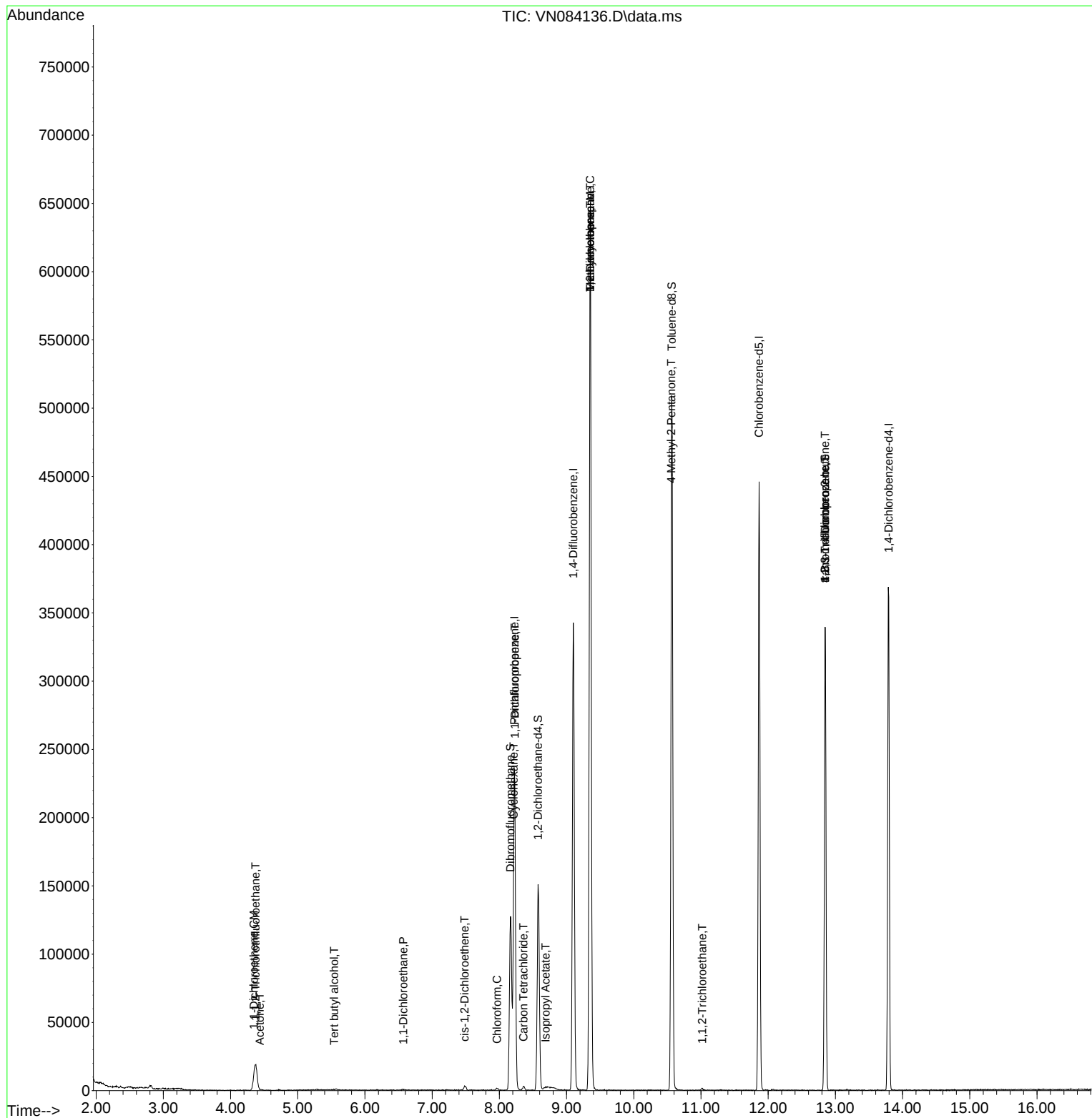
Internal Standards						
1) Pentafluorobenzene	8.224	168	161540	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	285389	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	242176	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	96083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	125072	51.348	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.700%
35) Dibromofluoromethane	8.165	113	91439	50.048	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.100%
50) Toluene-d8	10.565	98	343354	54.362	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	108.720%
62) 4-Bromofluorobenzene	12.847	95	115062	44.155	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	88.300%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	728	Below Cal	#	41
9) 1,1,2-Trichlorotrifluo...	4.371	101	13284	7.180	ug/l	99
11) Tert butyl alcohol	5.541	59	111	0.340	ug/l #	71
12) 1,1-Dichloroethene	4.347	96	2744	1.570	ug/l #	76
16) Acetone	4.436	43	1242	1.272	ug/l #	45
24) 1,1-Dichloroethane	6.571	63	1416	0.384	ug/l #	82
27) cis-1,2-Dichloroethene	7.483	96	1916	0.862	ug/l	86
30) Chloroform	7.965	83	1725	0.440	ug/l	97
31) Cyclohexane	8.212	56	4383	1.245	ug/l #	54
36) 1,1-Dichloropropene	8.230	75	15294	5.562	ug/l #	50
38) Carbon Tetrachloride	8.359	117	1812	0.581	ug/l #	70
39) Methylcyclohexane	9.353	83	2932	0.937	ug/l #	1
43) Isopropyl Acetate	8.688	43	1564	0.346	ug/l #	57
44) Trichloroethene	9.353	130	217584	113.519	ug/l	94
45) 1,2-Dichloropropane	9.353	63	816	0.408	ug/l #	1
51) 4-Methyl-2-Pentanone	10.559	43	1521	0.618	ug/l #	1
55) 1,1,2-Trichloroethane	11.018	97	579	0.306	ug/l #	64
76) 1,2,3-Trichloropropane	12.847	75	63801	32.908	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63801	86.189	ug/l #	9

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

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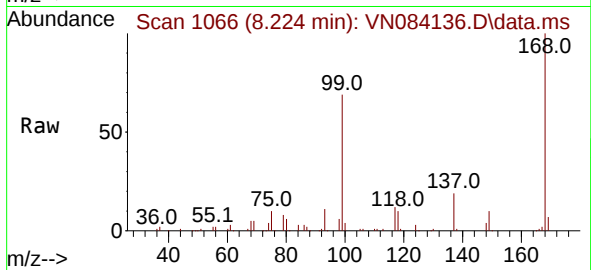
Quant Time: Sep 25 01:35:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration



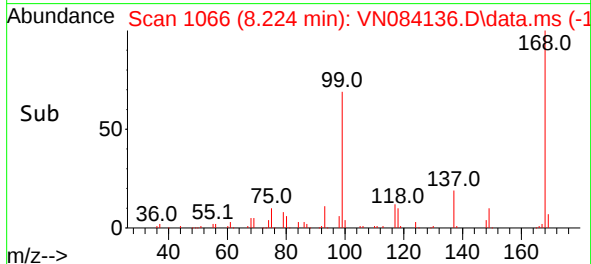
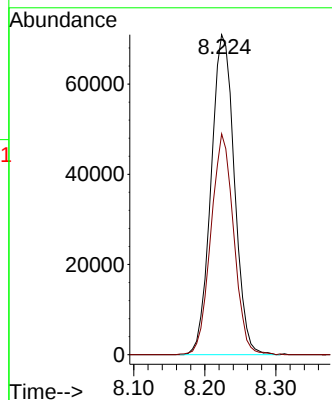


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

Instrument :
MSVOA_N
ClientSampleId :

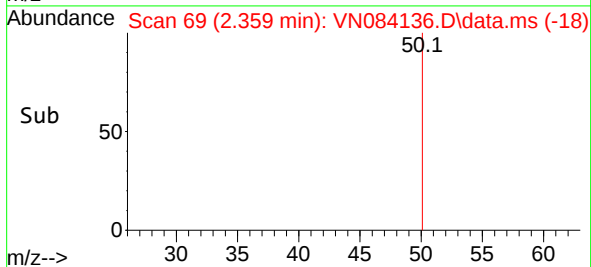
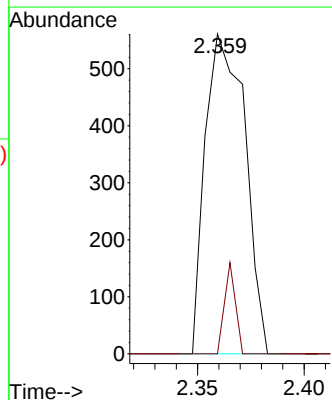
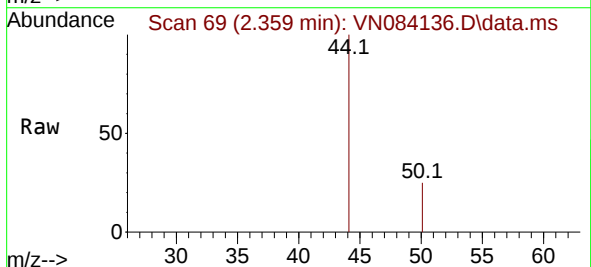


Tgt Ion:168 Resp: 161540
Ion Ratio Lower Upper
168 100
99 68.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

Tgt Ion: 50 Resp: 728
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

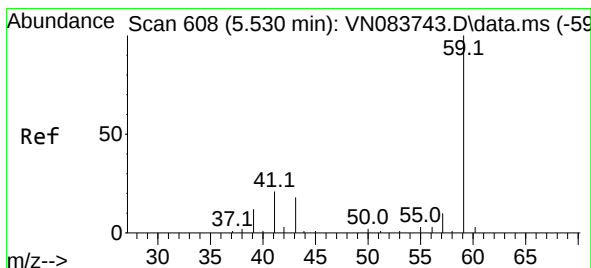
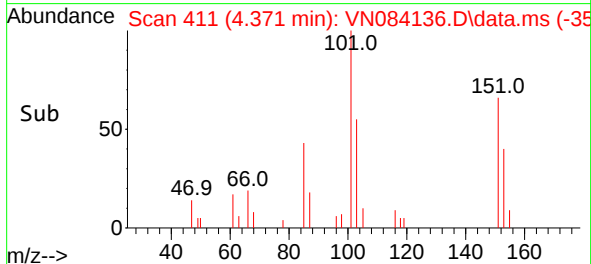
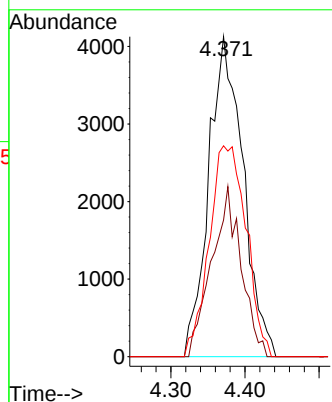
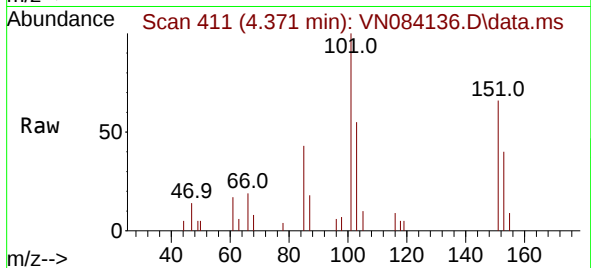




#9
1,1,2-Trichlorotrifluoroethane
Concen: 7.180 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.018 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

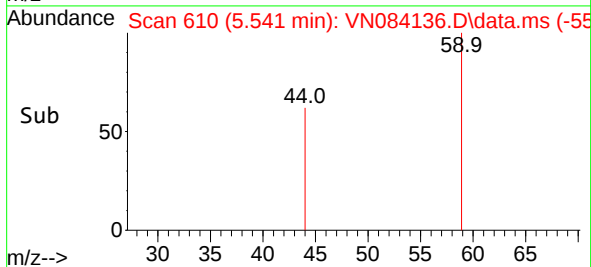
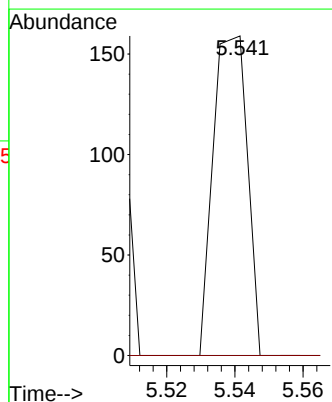
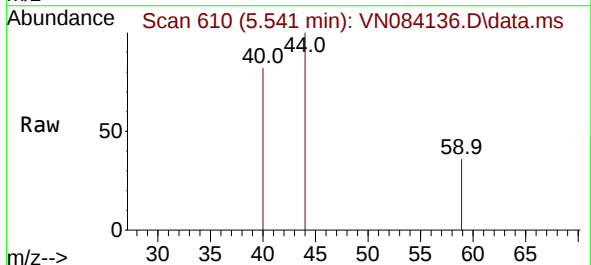
Instrument :
MSVOA_N
ClientSampleId :

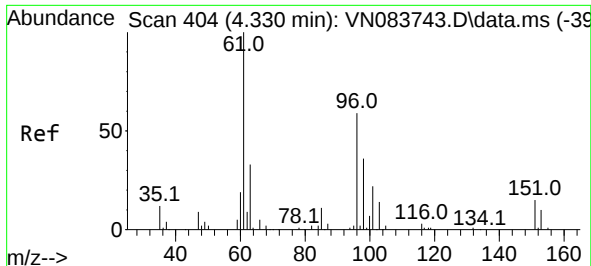
Tgt Ion:101 Resp: 13284
Ion Ratio Lower Upper
101 100
85 45.8 36.2 54.4
151 71.0 57.7 86.5



#11
Tert butyl alcohol
Concen: 0.340 ug/l
RT: 5.541 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

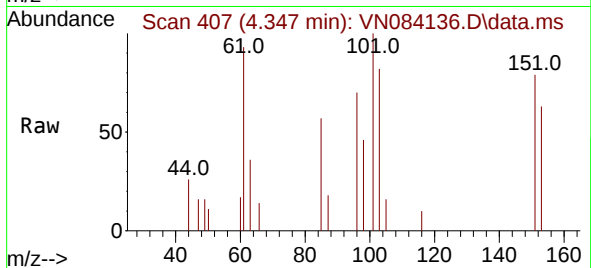
Tgt Ion: 59 Resp: 111
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#





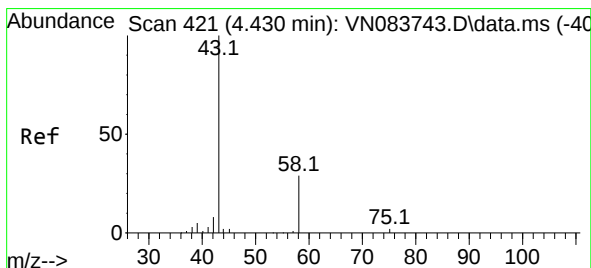
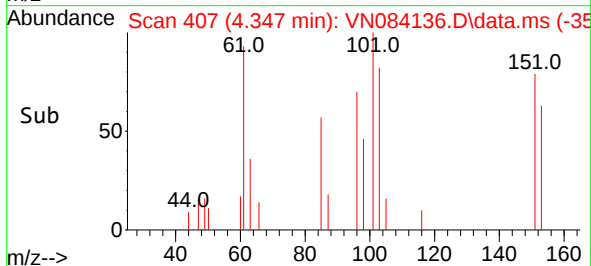
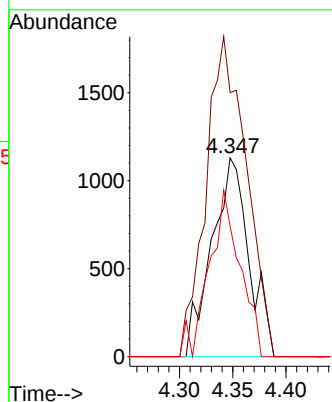
#12
 1,1-Dichloroethene
 Concen: 1.570 ug/l
 RT: 4.347 min Scan# 407
 Delta R.T. 0.018 min
 Lab File: VN084136.D
 Acq: 24 Sep 2024 15:55

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 96 Resp: 2744

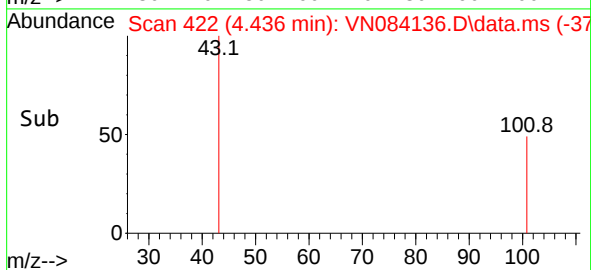
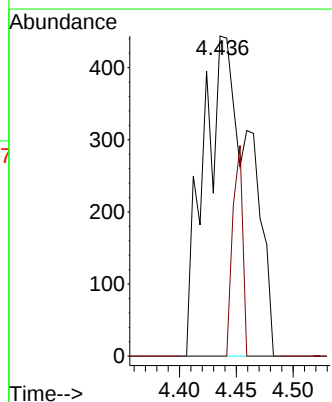
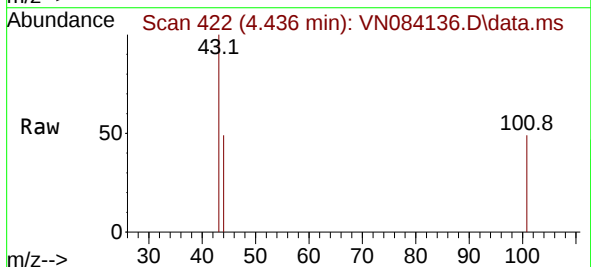
Ion	Ratio	Lower	Upper
96	100		
61	132.8	143.4	215.0#
98	65.7	52.7	79.1

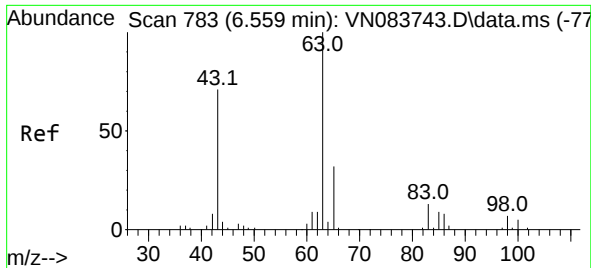


#16
 Acetone
 Concen: 1.272 ug/l
 RT: 4.436 min Scan# 422
 Delta R.T. 0.006 min
 Lab File: VN084136.D
 Acq: 24 Sep 2024 15:55

Tgt Ion: 43 Resp: 1242

Ion	Ratio	Lower	Upper
43	100		
58	0.0	23.7	35.5#

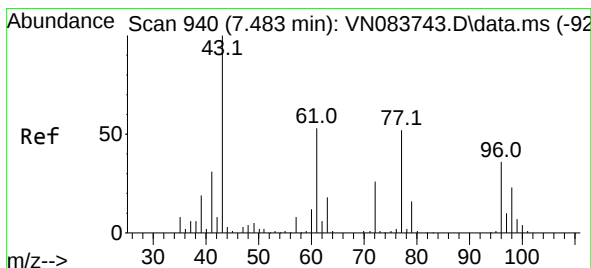
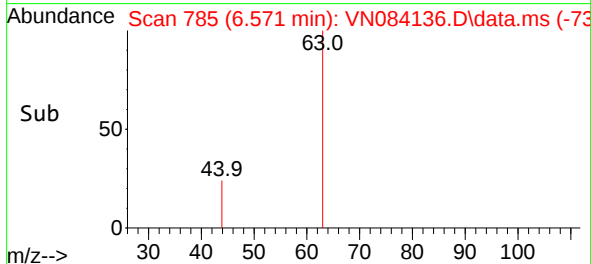
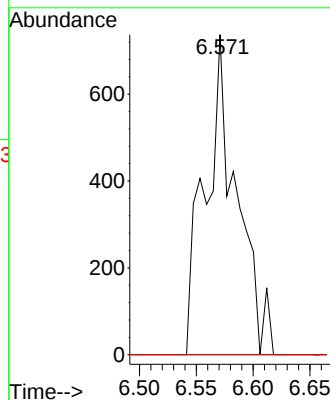
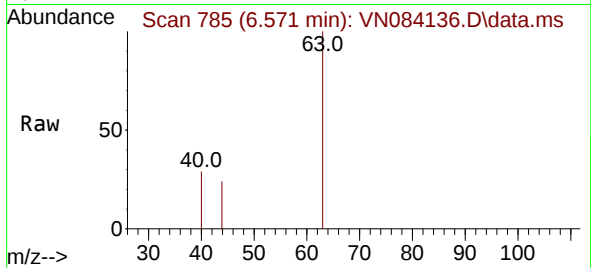




#24
 1,1-Dichloroethane
 Concen: 0.384 ug/l
 RT: 6.571 min Scan# 71
 Delta R.T. 0.012 min
 Lab File: VN084136.D
 Acq: 24 Sep 2024 15:55

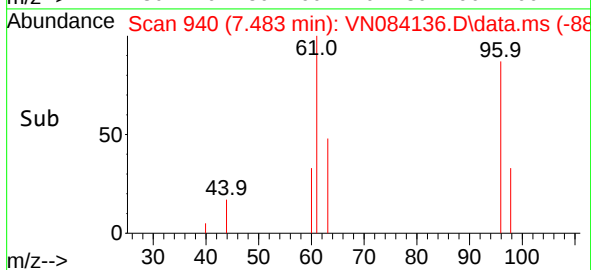
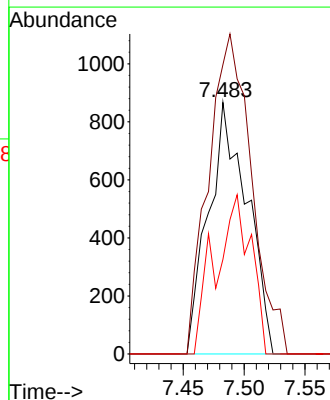
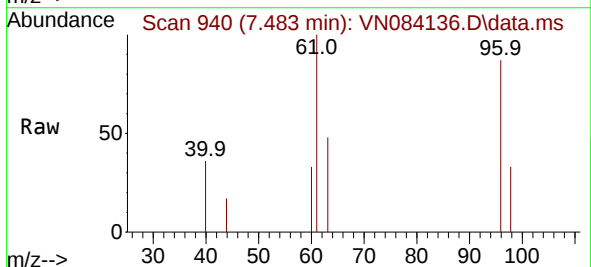
Instrument :
 MSVOA_N
 ClientSampleId :

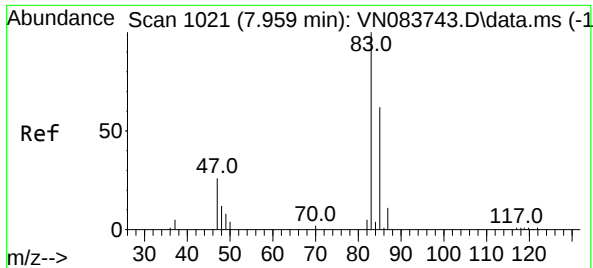
Tgt Ion: 63 Resp: 1416
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.5 7.5#



#27
 cis-1,2-Dichloroethene
 Concen: 0.862 ug/l
 RT: 7.483 min Scan# 940
 Delta R.T. -0.000 min
 Lab File: VN084136.D
 Acq: 24 Sep 2024 15:55

Tgt Ion: 96 Resp: 1916
 Ion Ratio Lower Upper
 96 100
 61 141.5 0.0 306.2
 98 42.9 0.0 128.6





#30

Chloroform

Concen: 0.440 ug/l

RT: 7.965 min Scan# 1064

Delta R.T. 0.006 min

Lab File: VN084136.D

Acq: 24 Sep 2024 15:55

Instrument :

MSVOA_N

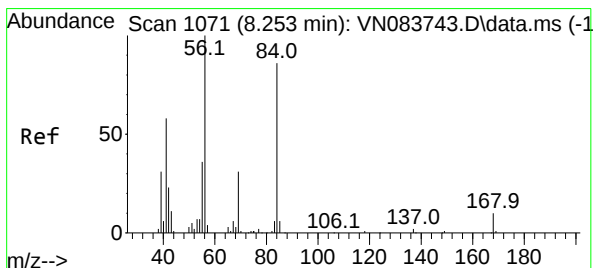
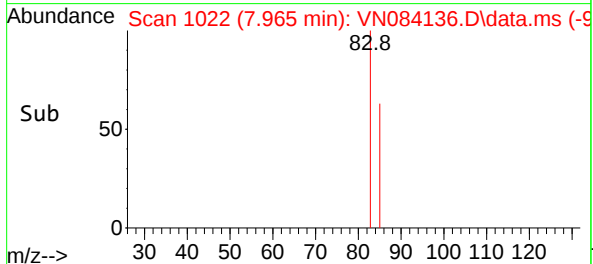
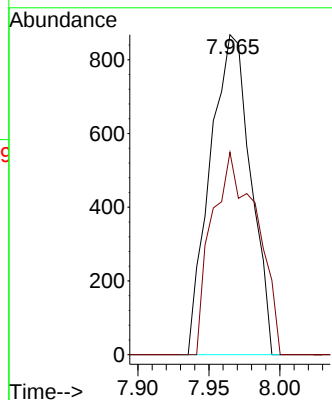
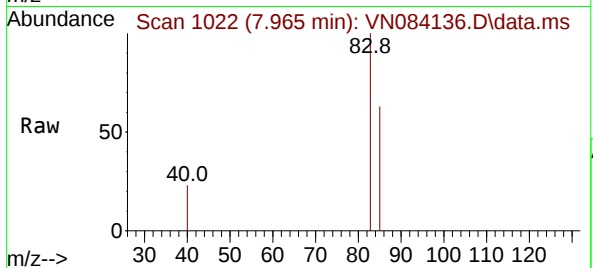
ClientSampleId :

Tgt Ion: 83 Resp: 1725

Ion Ratio Lower Upper

83 100

85 63.2 52.8 79.2



#31

Cyclohexane

Concen: 1.245 ug/l

RT: 8.212 min Scan# 1064

Delta R.T. -0.041 min

Lab File: VN084136.D

Acq: 24 Sep 2024 15:55

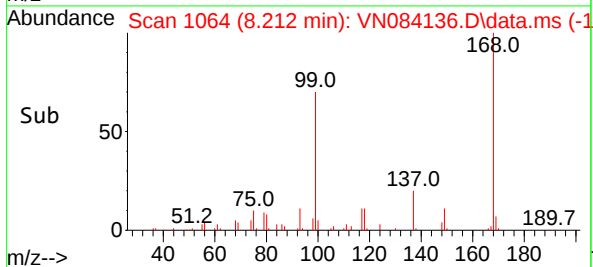
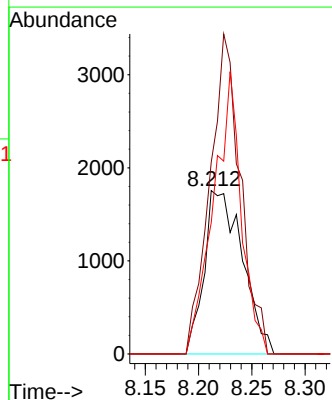
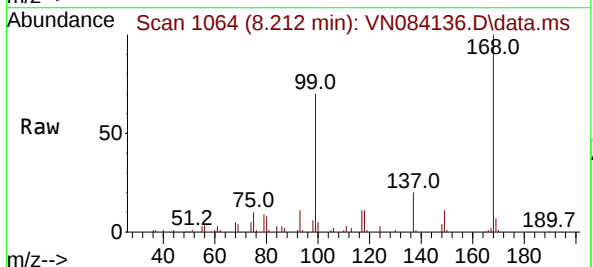
Tgt Ion: 56 Resp: 4383

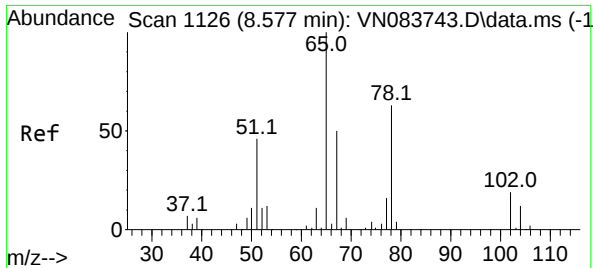
Ion Ratio Lower Upper

56 100

69 117.4 26.9 40.3#

84 80.3 69.2 103.8

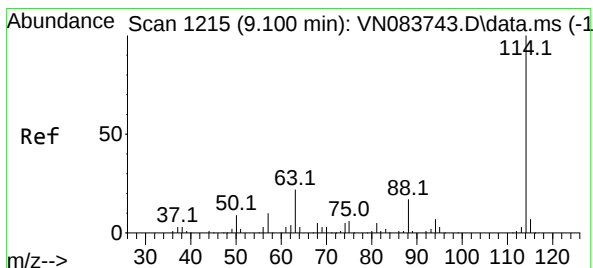
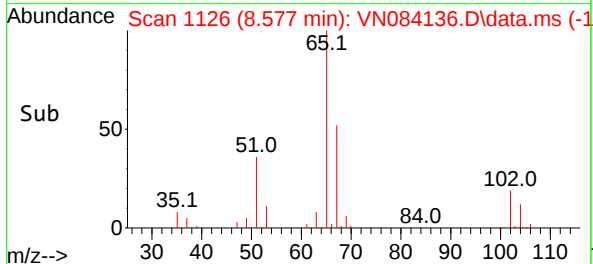
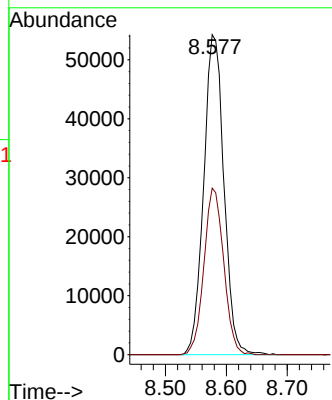
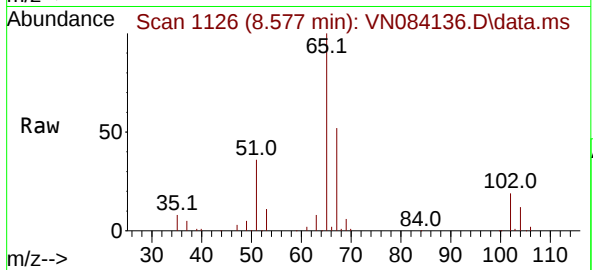




#33
 1,2-Dichloroethane-d4
 Concen: 51.348 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084136.D
 Acq: 24 Sep 2024 15:55

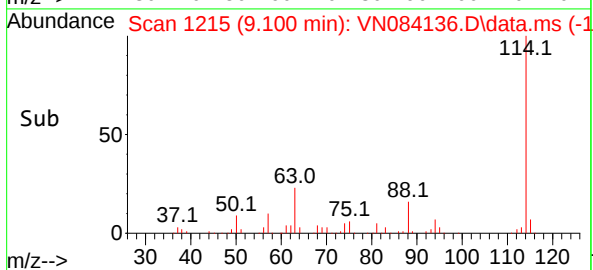
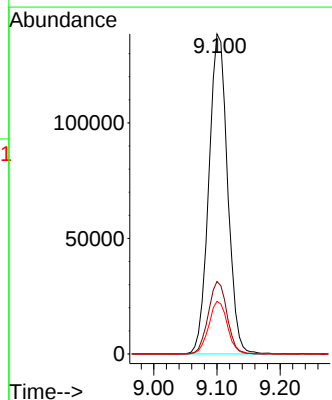
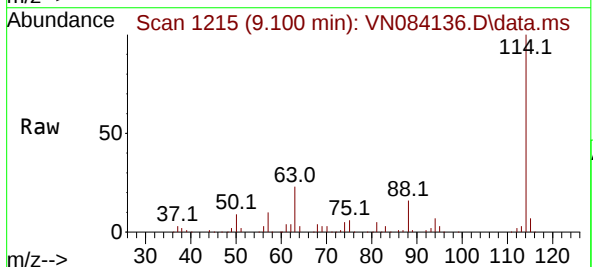
Instrument :
 MSVOA_N
 ClientSampleId :

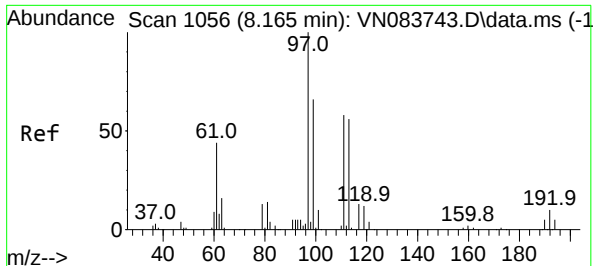
Tgt Ion: 65 Resp: 125072
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 100.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084136.D
 Acq: 24 Sep 2024 15:55

Tgt Ion: 114 Resp: 285389
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 43.4
 88 16.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.048 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN084136.D

Acq: 24 Sep 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

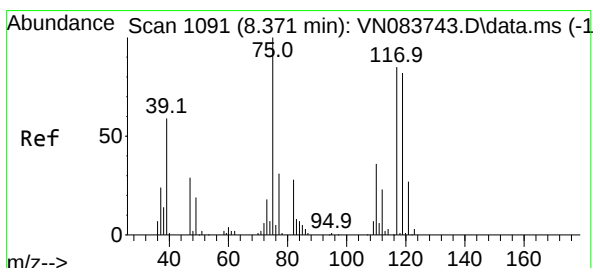
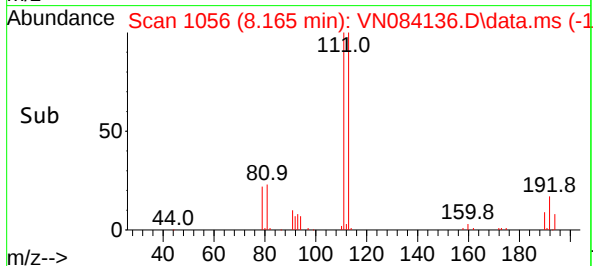
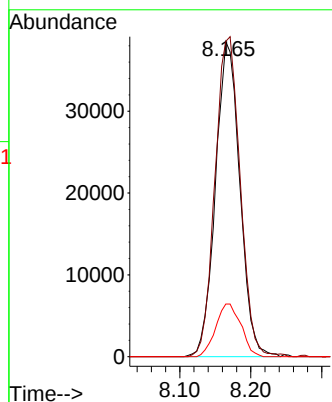
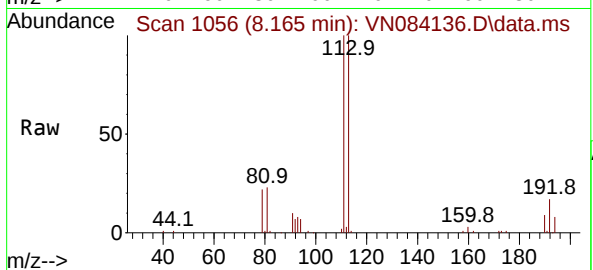
Tgt Ion:113 Resp: 91439

Ion Ratio Lower Upper

113 100

111 105.0 82.6 124.0

192 17.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 5.562 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN084136.D

Acq: 24 Sep 2024 15:55

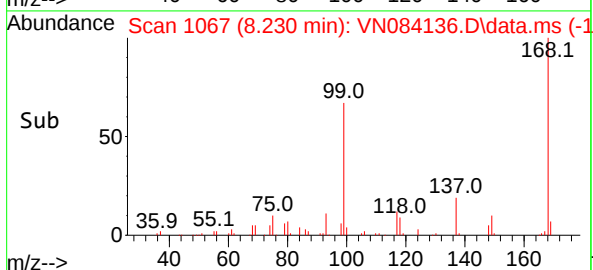
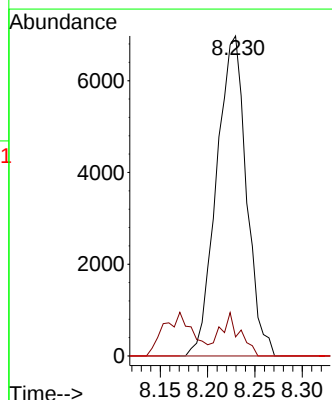
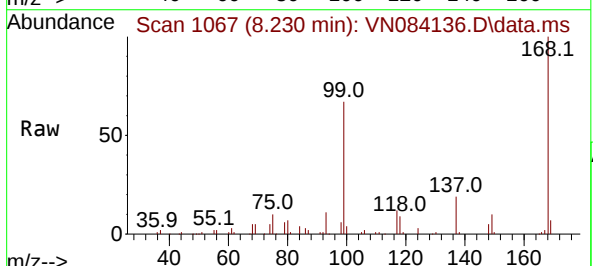
Tgt Ion: 75 Resp: 15294

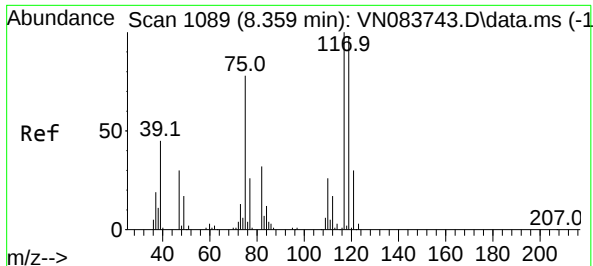
Ion Ratio Lower Upper

75 100

110 8.9 16.7 50.1#

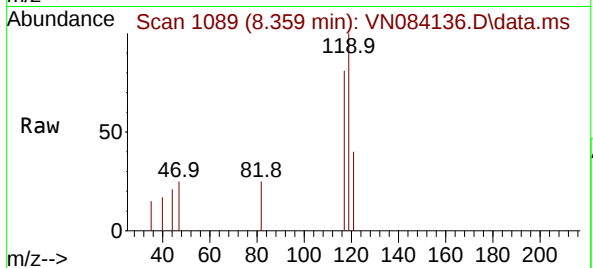
77 0.0 25.2 37.8#



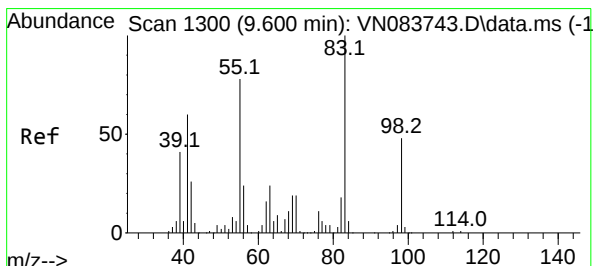
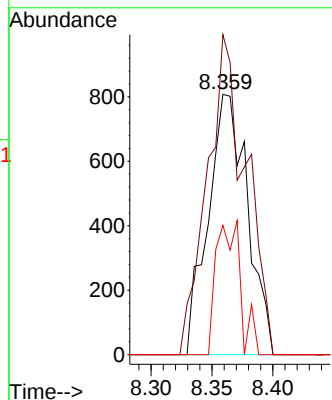
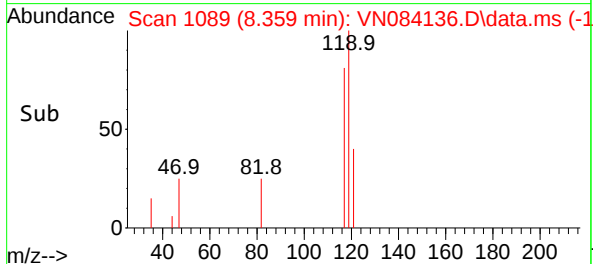


#38
Carbon Tetrachloride
Concen: 0.581 ug/l
RT: 8.359 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

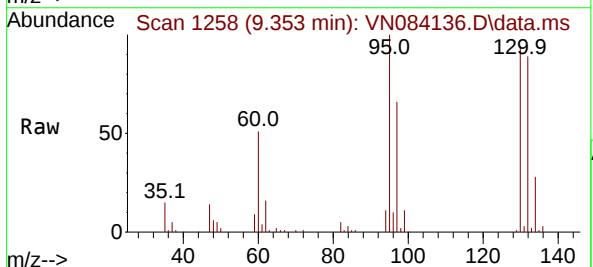
Instrument :
MSVOA_N
ClientSampleId :



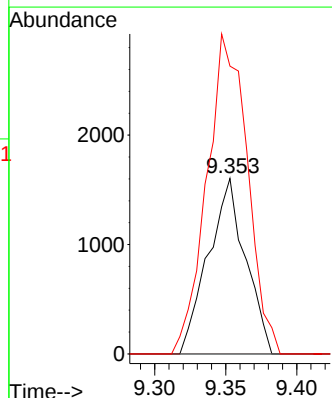
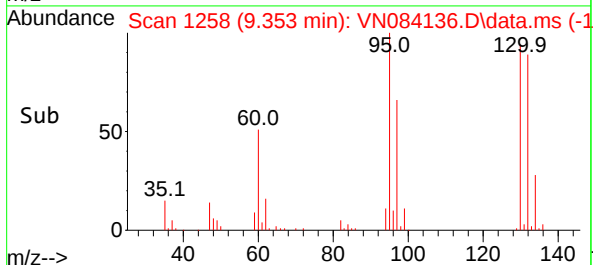
Tgt Ion:117 Resp: 1812
Ion Ratio Lower Upper
117 100
119 122.9 76.1 114.1#
121 49.6 24.1 36.1#

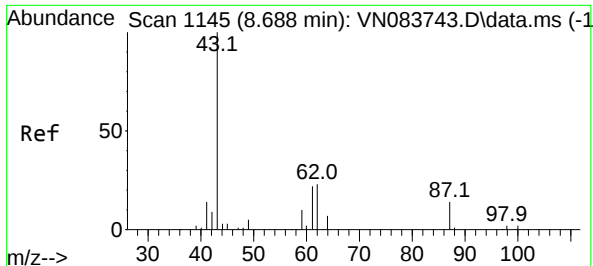


#39
Methylcyclohexane
Concen: 0.937 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55



Tgt Ion: 83 Resp: 2932
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 163.9 37.6 56.4#





#43

Isopropyl Acetate

Concen: 0.346 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN084136.D

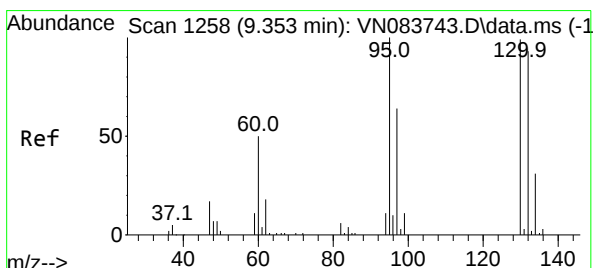
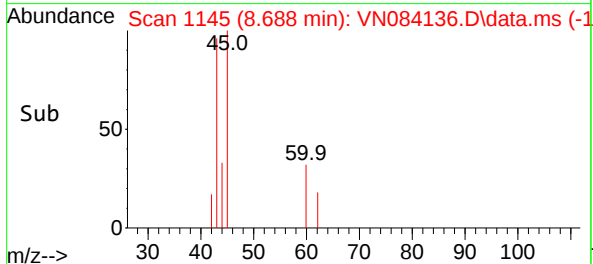
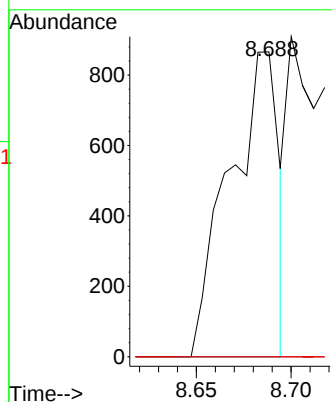
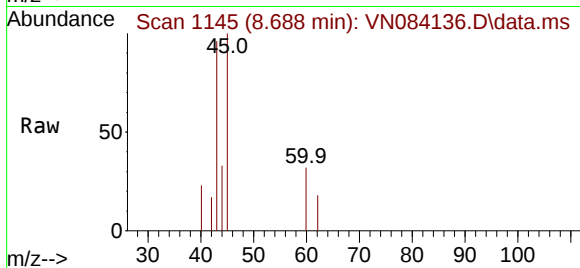
Acq: 24 Sep 2024 15:55

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43	Resp: 1564
Ion Ratio	Lower Upper
43	100
61	0.0 19.4 29.0#
87	0.0 9.8 14.6#



#44

Trichloroethene

Concen: 113.519 ug/l

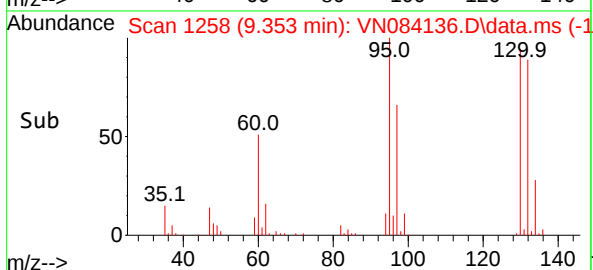
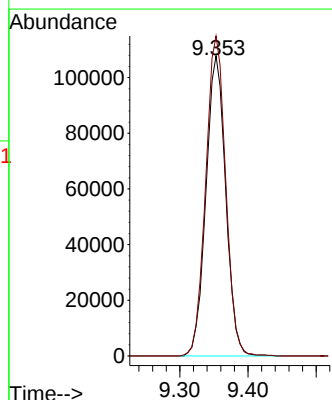
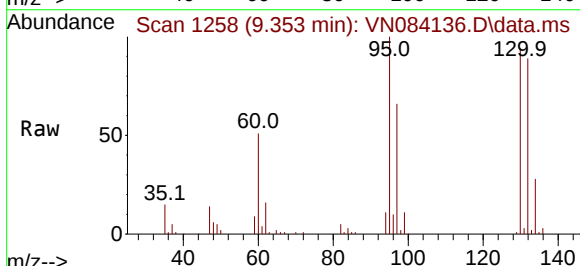
RT: 9.353 min Scan# 1258

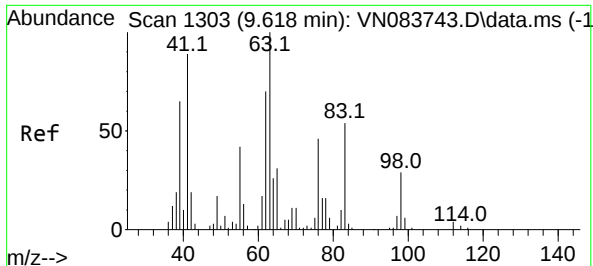
Delta R.T. -0.000 min

Lab File: VN084136.D

Acq: 24 Sep 2024 15:55

Tgt Ion: 130	Resp: 217584
Ion Ratio	Lower Upper
130	100
95	106.6 0.0 200.4





#45

1,2-Dichloropropane

Concen: 0.408 ug/l

RT: 9.353 min Scan# 1258

Delta R.T. -0.265 min

Lab File: VN084136.D

Acq: 24 Sep 2024 15:55

Instrument :

MSVOA_N

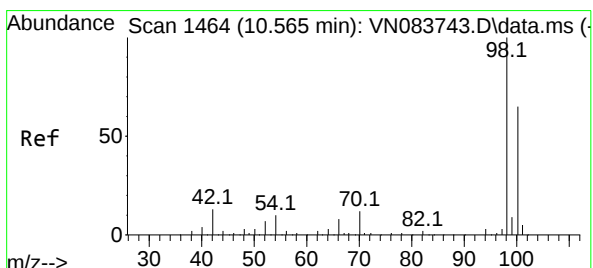
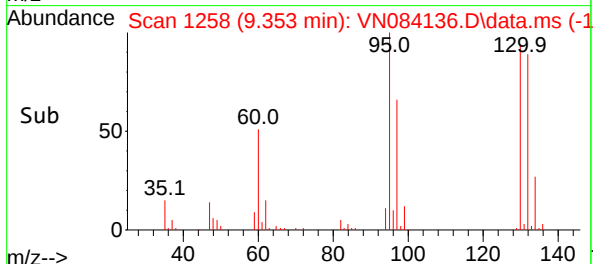
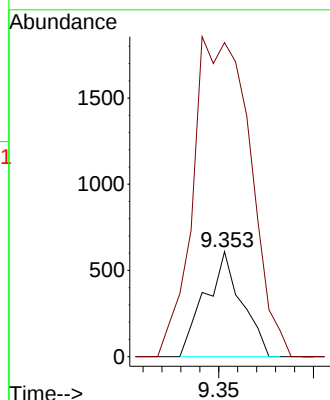
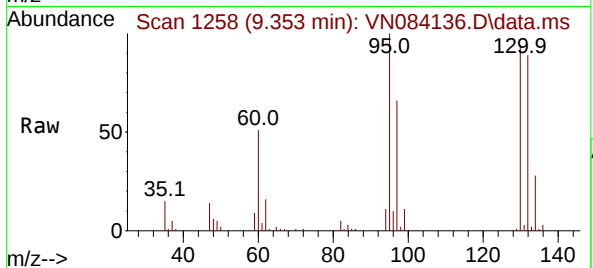
ClientSampleId :

Tgt Ion: 63 Resp: 816

Ion Ratio Lower Upper

63 100

65 274.5 25.9 38.9#



#50

Toluene-d8

Concen: 54.362 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084136.D

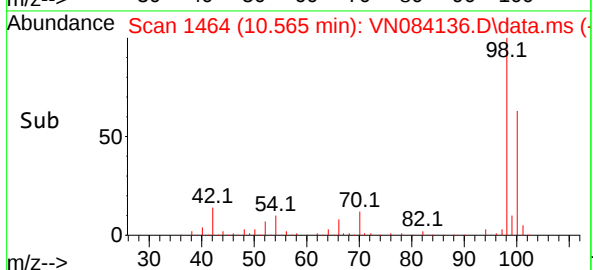
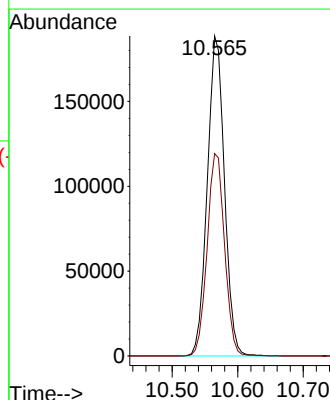
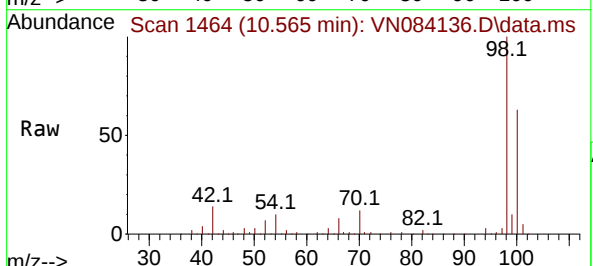
Acq: 24 Sep 2024 15:55

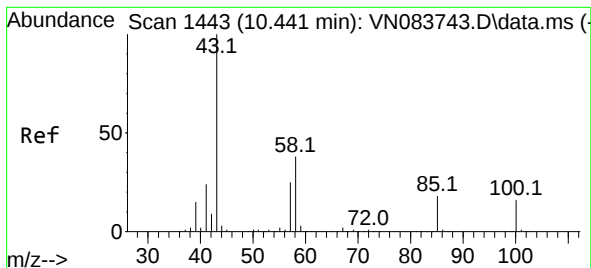
Tgt Ion: 98 Resp: 343354

Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0

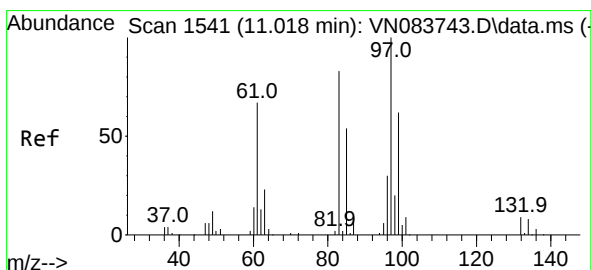
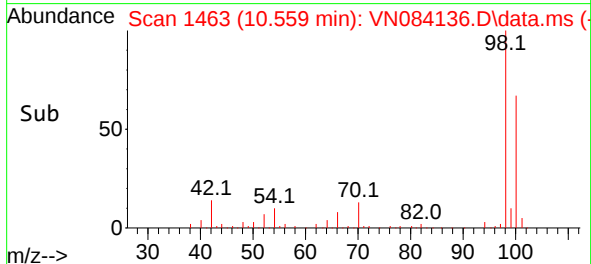
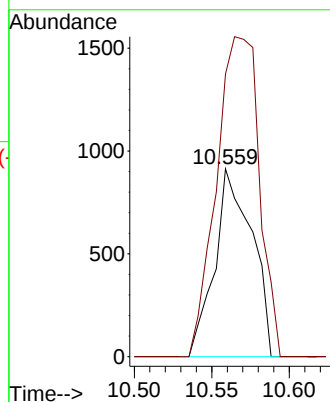
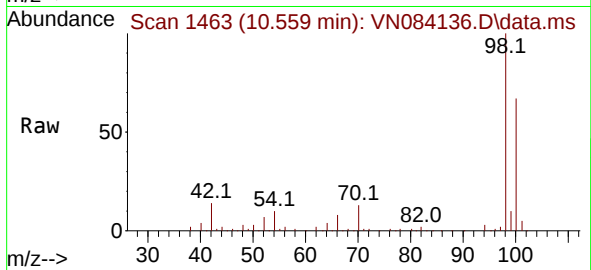




#51
4-Methyl-2-Pentanone
Concen: 0.618 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

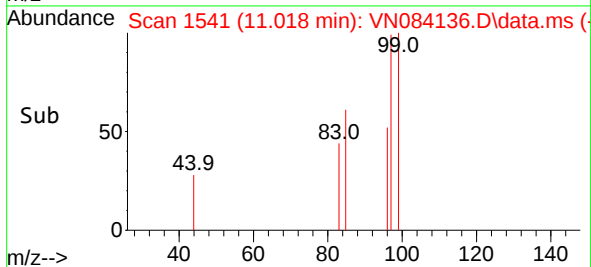
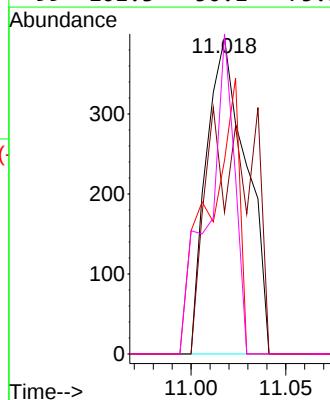
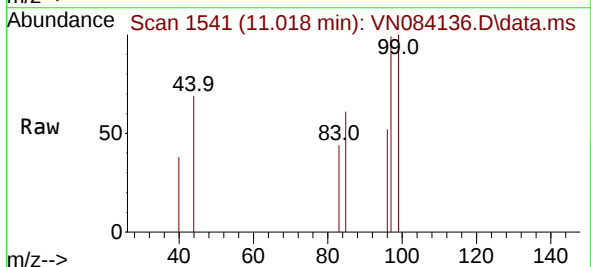
Instrument :
MSVOA_N
ClientSampleId :

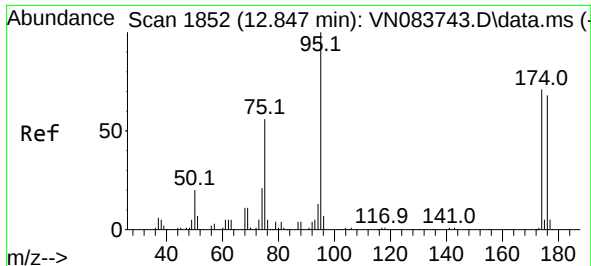
Tgt Ion: 43 Resp: 1521
Ion Ratio Lower Upper
43 100
58 196.8 31.6 47.4#



#55
1,1,2-Trichloroethane
Concen: 0.306 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

Tgt Ion: 97 Resp: 579
Ion Ratio Lower Upper
97 100
83 44.8 67.5 101.3#
85 61.3 44.2 66.2
99 101.3 50.1 75.1#

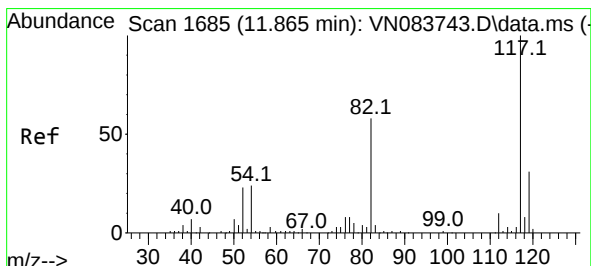
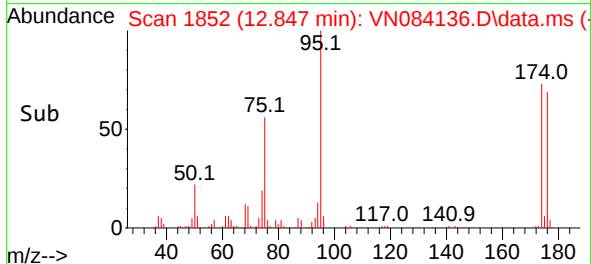
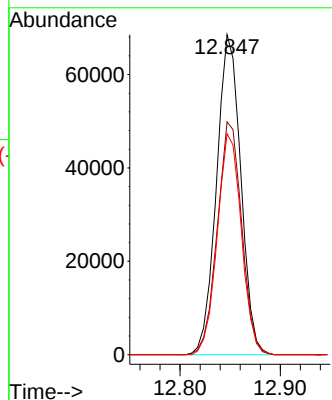
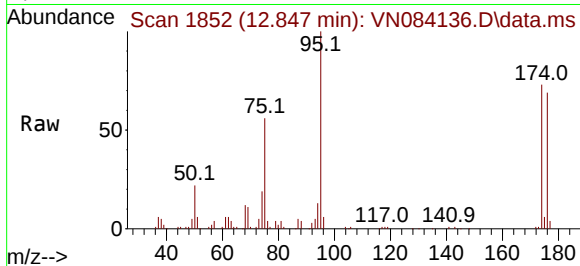




#62
4-Bromofluorobenzene
Concen: 44.155 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

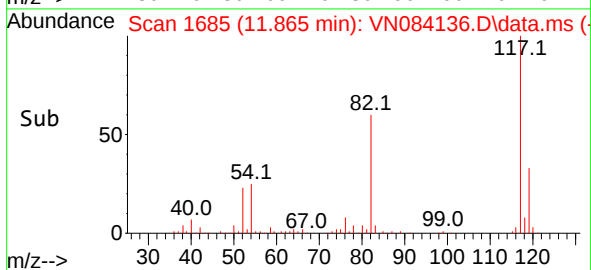
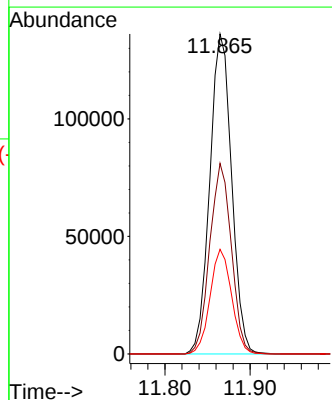
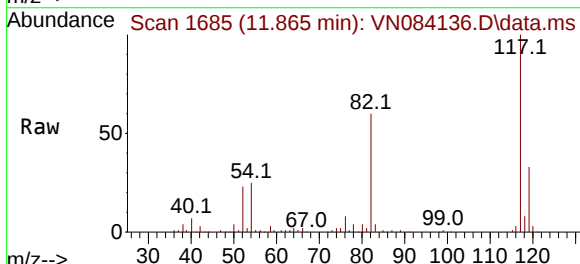
Instrument :
MSVOA_N
ClientSampleId :

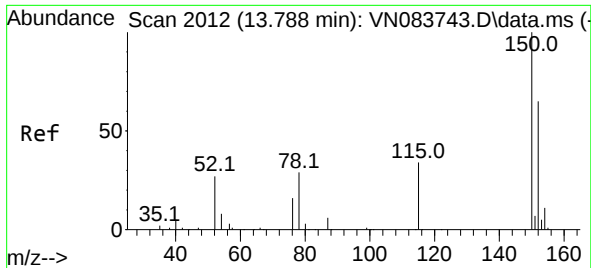
Tgt Ion: 95 Resp: 115062
Ion Ratio Lower Upper
95 100
174 73.2 0.0 139.8
176 68.6 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

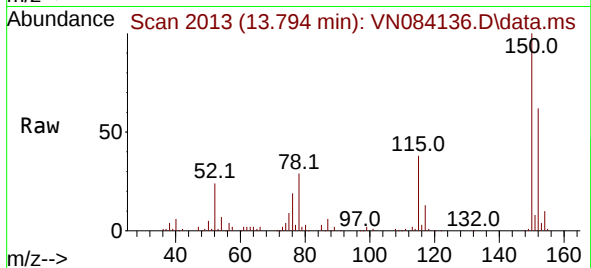
Tgt Ion: 117 Resp: 242176
Ion Ratio Lower Upper
117 100
82 59.6 47.4 71.0
119 32.7 26.3 39.5



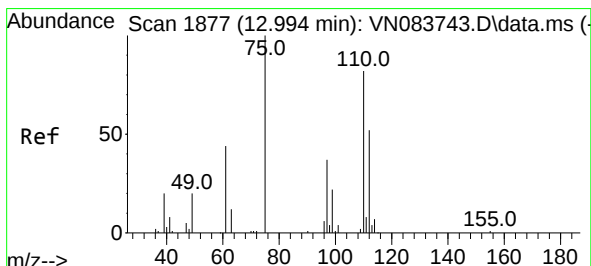
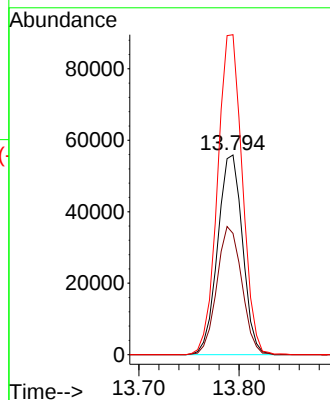
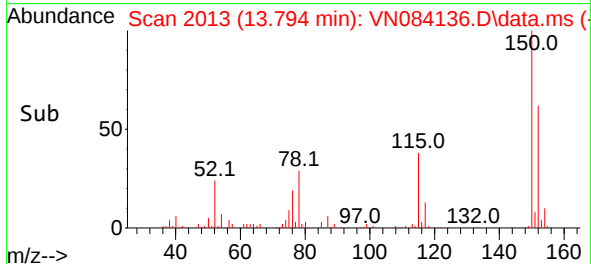


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN084136.D
 Acq: 24 Sep 2024 15:55

Instrument :
 MSVOA_N
 ClientSampleId :

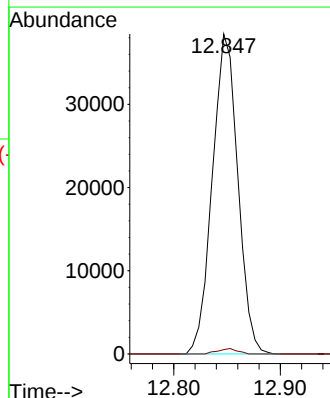
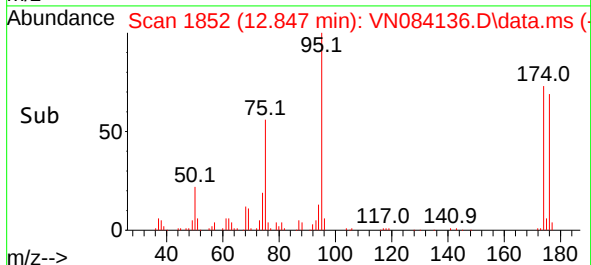
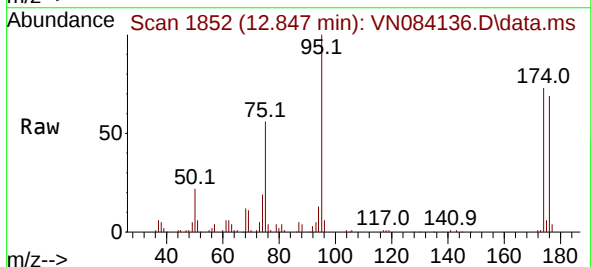


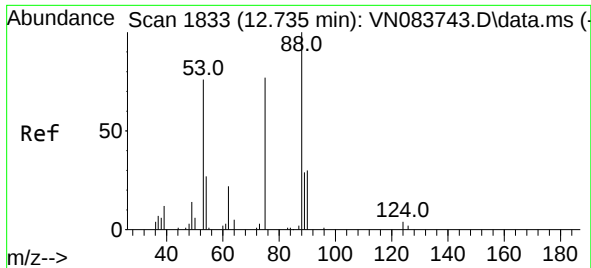
Tgt Ion:152 Resp: 96083
 Ion Ratio Lower Upper
 152 100
 115 64.4 32.2 96.6
 150 159.8 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 32.908 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN084136.D
 Acq: 24 Sep 2024 15:55

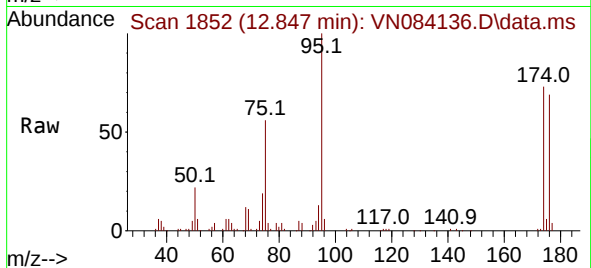
Tgt Ion: 75 Resp: 63801
 Ion Ratio Lower Upper
 75 100
 77 1.3 95.2 285.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 86.189 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084136.D
Acq: 24 Sep 2024 15:55

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 63801
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

