

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083863.D
 Acq On : 13 Sep 2024 09:00
 Operator : JC\MD
 Sample : P3957-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUPE1-20240911

Quant Time: Sep 13 09:22:27 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)

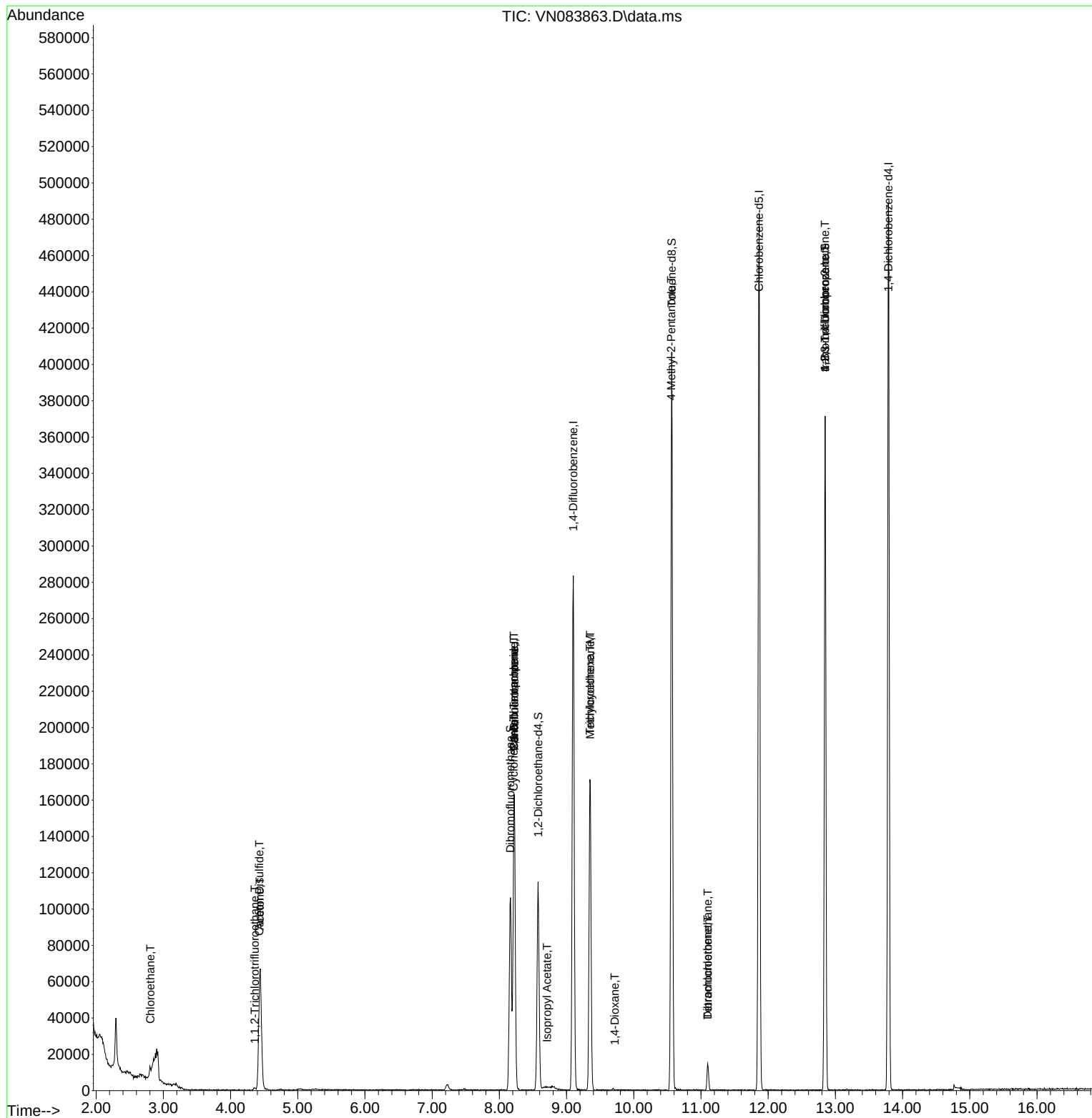
Internal Standards						
1) Pentafluorobenzene	8.224	168	112302	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	232377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	260820	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	122484	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	92629	54.701	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 109.400%	
35) Dibromofluoromethane	8.165	113	72691	48.863	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.720%	
50) Toluene-d8	10.565	98	264533	51.437	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.880%	
62) 4-Bromofluorobenzene	12.847	95	124157	58.514	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 117.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	943	Below Cal		90
6) Chloroethane	2.806	64	256	0.255 ug/l	#	45
9) 1,1,2-Trichlorotrifluo...	4.359	101	1183	0.920 ug/l	#	59
16) Acetone	4.436	43	1865	2.747 ug/l	#	45
17) Carbon Disulfide	4.430	76	2186	0.643 ug/l	#	75
18) Methyl Acetate	5.036	43	1712	Below Cal	#	52
31) Cyclohexane	8.212	56	3048	1.245 ug/l	#	26
36) 1,1-Dichloropropene	8.218	75	10715	4.785 ug/l	#	51
38) Carbon Tetrachloride	8.218	117	12989	5.113 ug/l	#	16
39) Methylcyclohexane	9.353	83	635	0.249 ug/l	#	1
43) Isopropyl Acetate	8.712	43	1447	0.393 ug/l	#	57
44) Trichloroethene	9.347	130	59647	38.218 ug/l		86
49) 1,4-Dioxane	9.718	88	308	10.715 ug/l	#	14
51) 4-Methyl-2-Pentanone	10.559	43	1098	0.548 ug/l	#	1
60) Dibromochloromethane	11.100	129	3549	2.061 ug/l	#	10
64) Tetrachloroethene	11.100	164	3097	1.786 ug/l		96
76) 1,2,3-Trichloropropane	12.847	75	70923	28.697 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	70923	75.158 ug/l	#	9

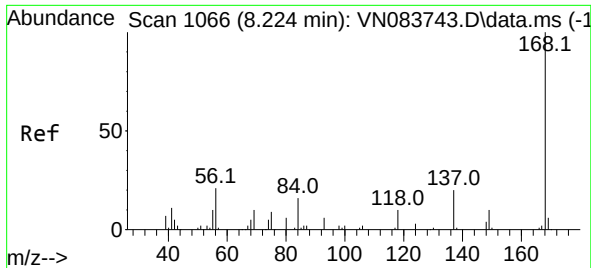
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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DUPE1-20240911

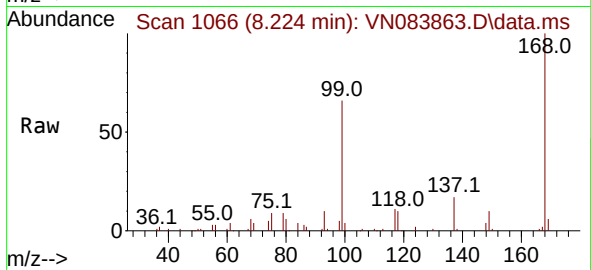
Quant Time: Sep 13 09:22:27 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
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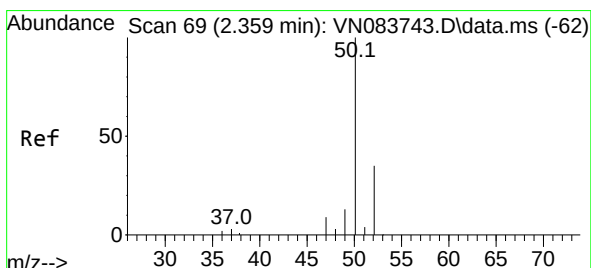
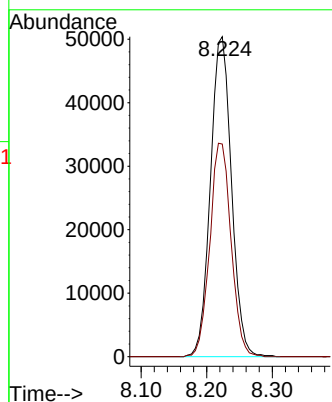
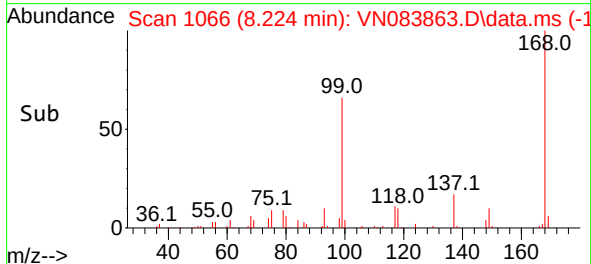


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911

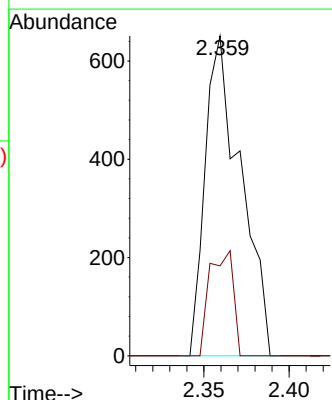
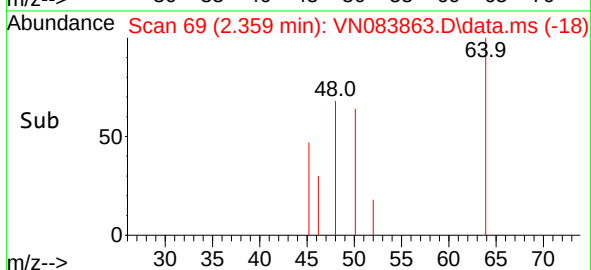
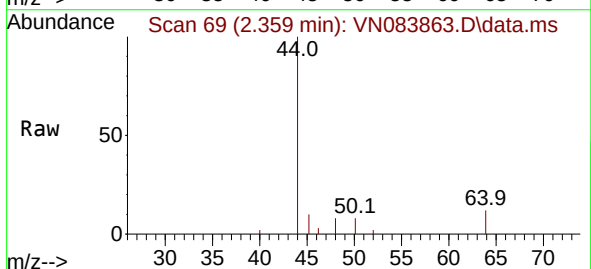


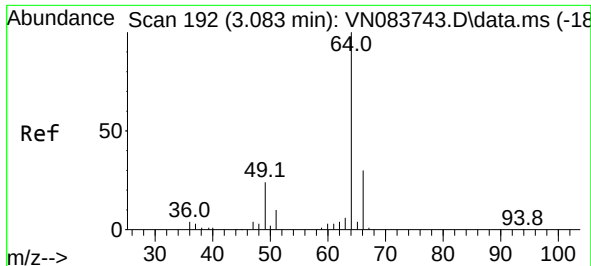
Tgt Ion:168 Resp: 112302
Ion Ratio Lower Upper
168 100
99 66.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Tgt Ion: 50 Resp: 943
Ion Ratio Lower Upper
50 100
52 28.1 27.2 40.8

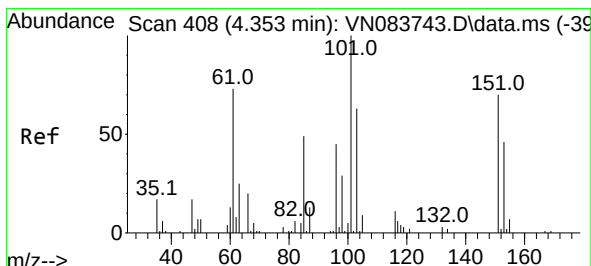
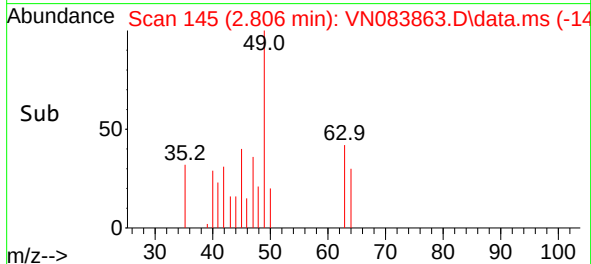
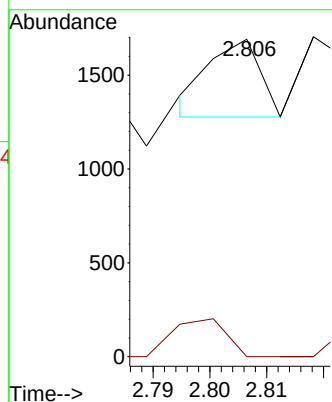
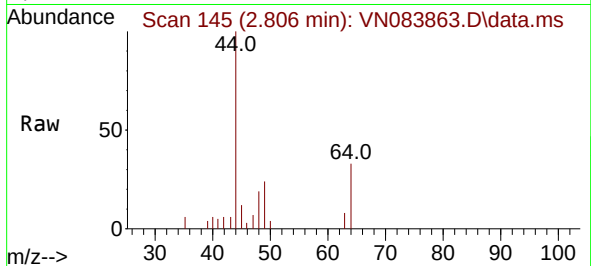




#6
Chloroethane
Concen: 0.255 ug/l
RT: 2.806 min Scan# 14
Delta R.T. -0.277 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

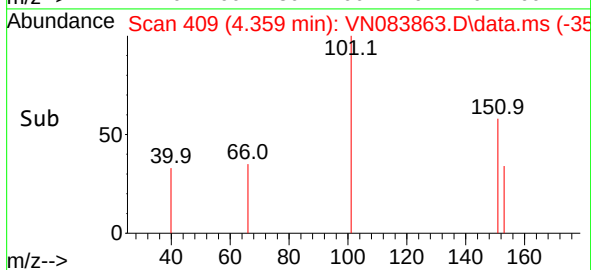
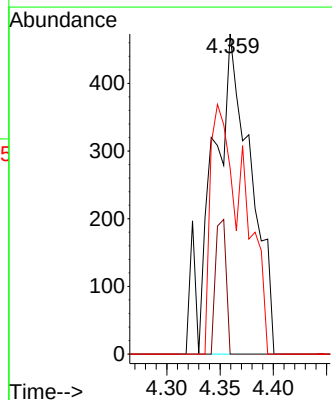
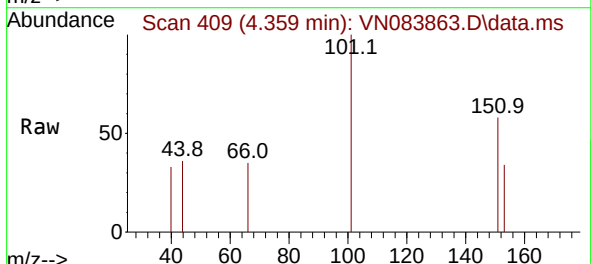
Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911

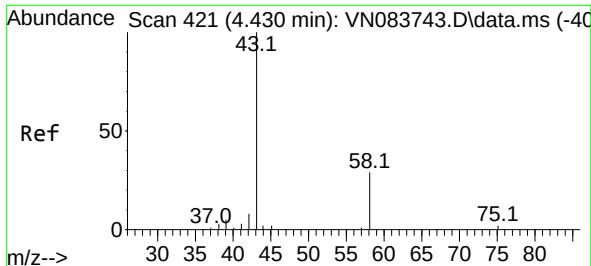
Tgt Ion: 64 Resp: 256
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.920 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.006 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Tgt Ion: 101 Resp: 1183
Ion Ratio Lower Upper
101 100
85 11.6 36.2 54.4#
151 44.0 57.7 86.5#





#16

Acetone

Concen: 2.747 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN083863.D

Acq: 13 Sep 2024 09:00

Instrument :

MSVOA_N

ClientSampleId :

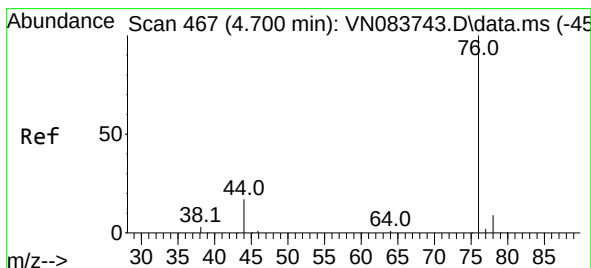
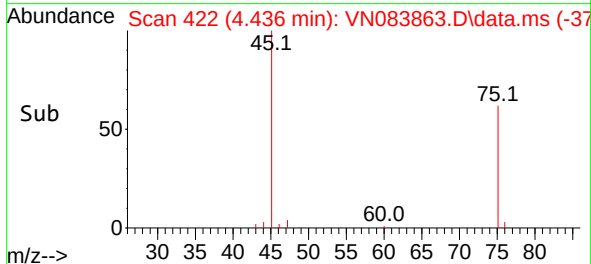
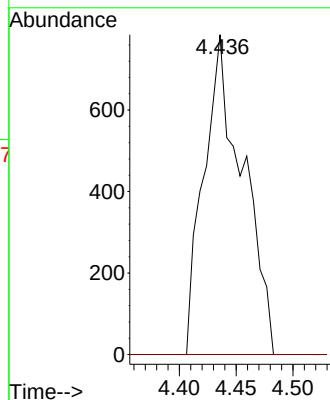
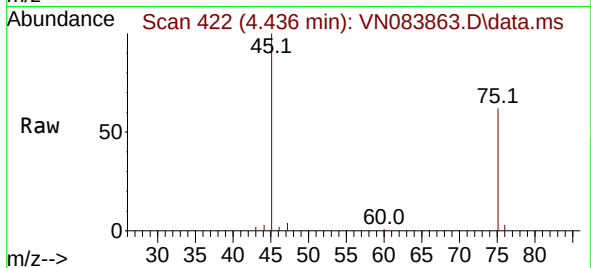
DUPE1-20240911

Tgt Ion: 43 Resp: 1865

Ion Ratio Lower Upper

43 100

58 0.0 23.7 35.5#



#17

Carbon Disulfide

Concen: 0.643 ug/l

RT: 4.430 min Scan# 421

Delta R.T. -0.271 min

Lab File: VN083863.D

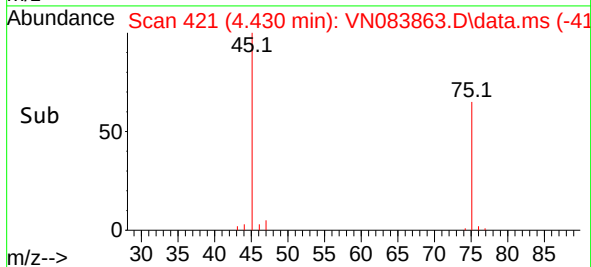
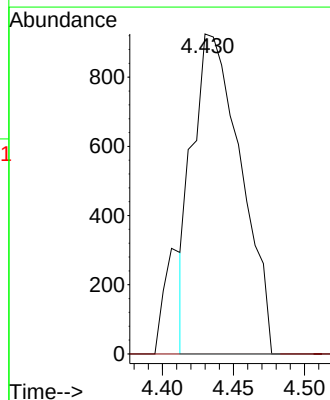
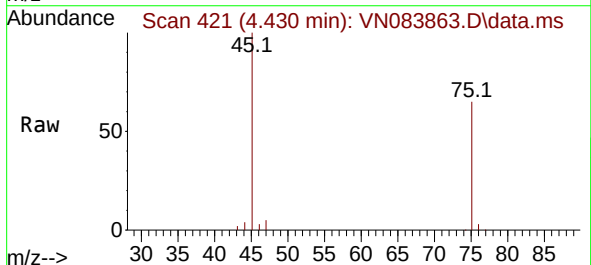
Acq: 13 Sep 2024 09:00

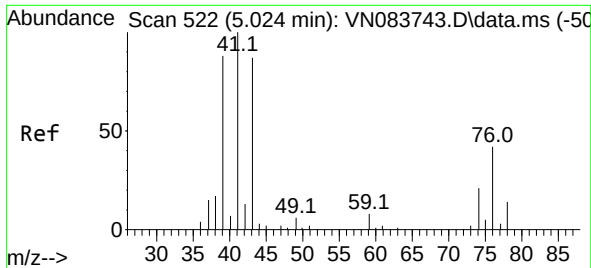
Tgt Ion: 76 Resp: 2186

Ion Ratio Lower Upper

76 100

78 0.0 7.1 10.7#

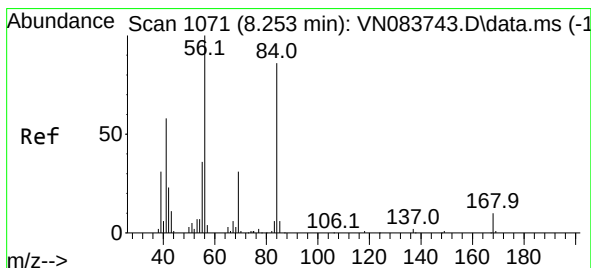
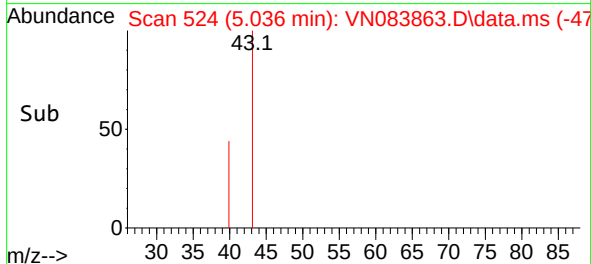
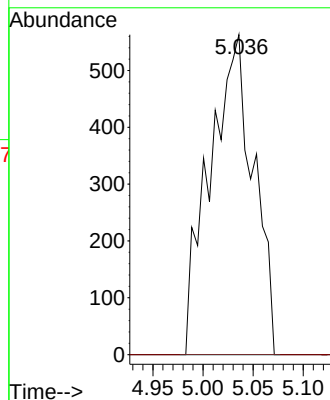
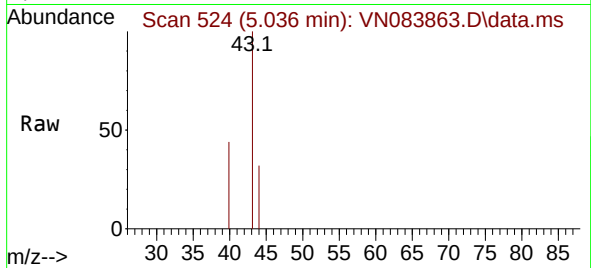




#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

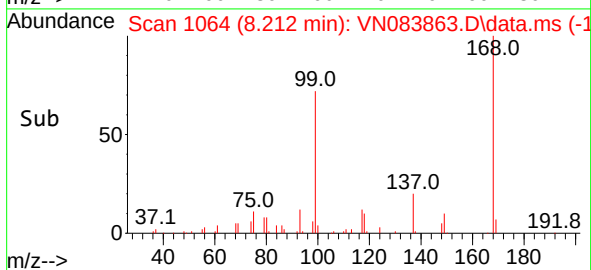
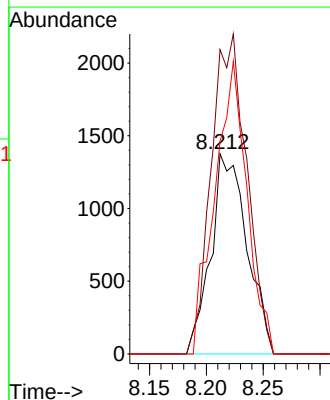
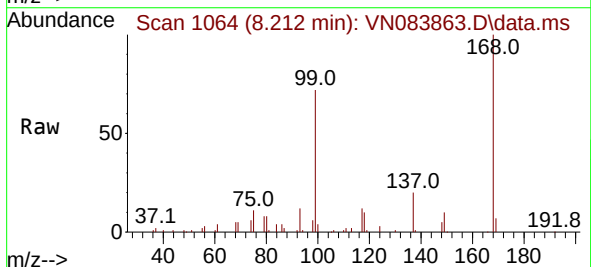
Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911

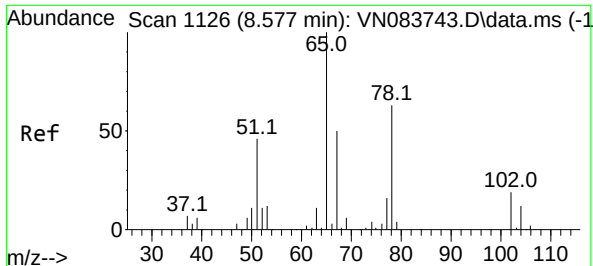
Tgt Ion: 43 Resp: 1712
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.041 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Tgt Ion: 56 Resp: 3048
Ion Ratio Lower Upper
56 100
69 152.0 26.9 40.3#
84 106.3 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 54.701 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083863.D

Acq: 13 Sep 2024 09:00

Instrument :

MSVOA_N

ClientSampleId :

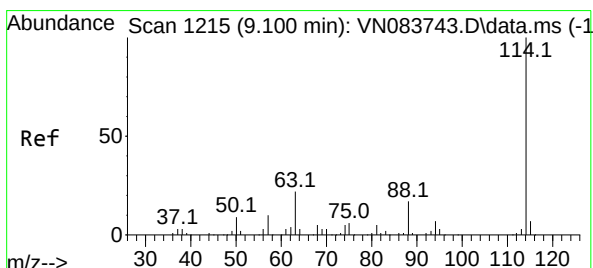
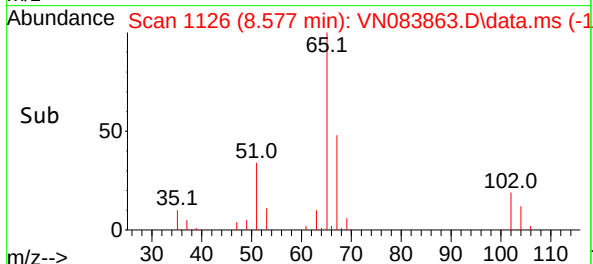
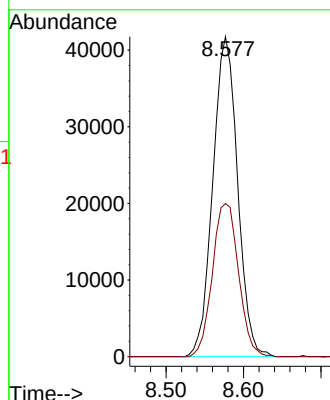
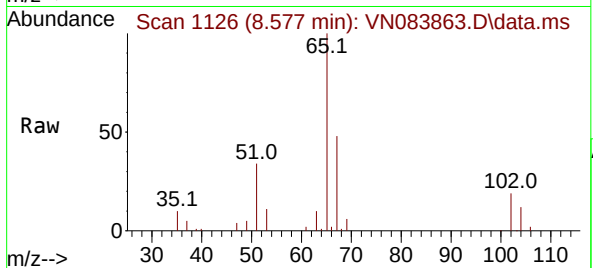
DUPE1-20240911

Tgt Ion: 65 Resp: 92629

Ion Ratio Lower Upper

65 100

67 50.6 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: VN083863.D

Acq: 13 Sep 2024 09:00

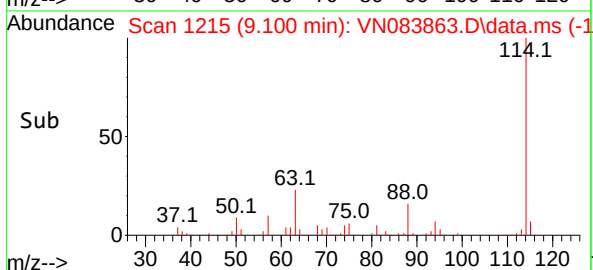
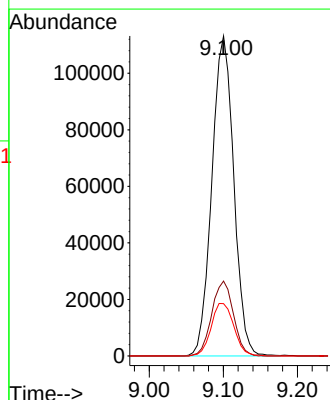
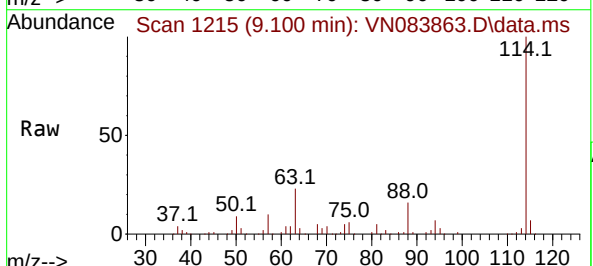
Tgt Ion: 114 Resp: 232377

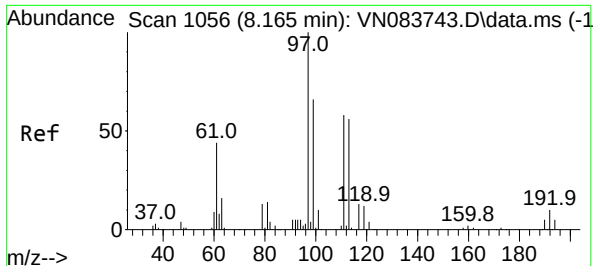
Ion Ratio Lower Upper

114 100

63 23.4 0.0 43.4

88 16.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.863 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN083863.D

Acq: 13 Sep 2024 09:00

Instrument :

MSVOA_N

ClientSampleId :

DUPE1-20240911

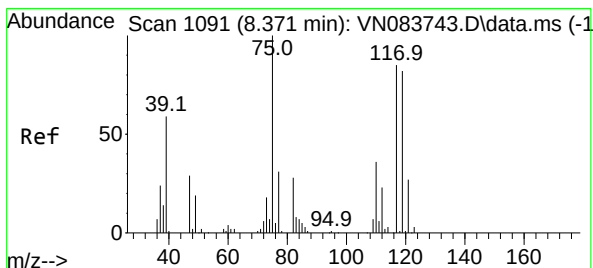
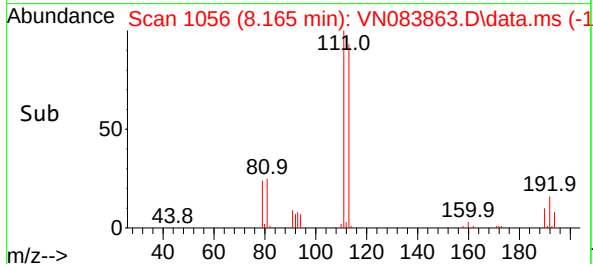
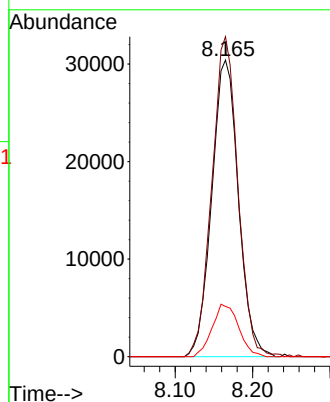
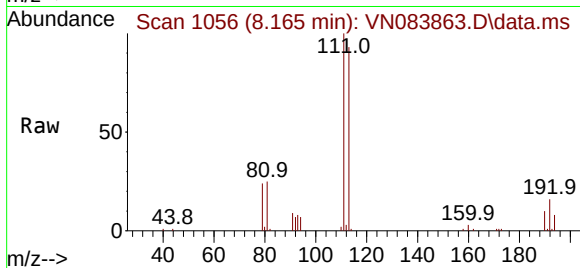
Tgt Ion:113 Resp: 72691

Ion Ratio Lower Upper

113 100

111 105.2 82.6 124.0

192 17.6 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.785 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN083863.D

Acq: 13 Sep 2024 09:00

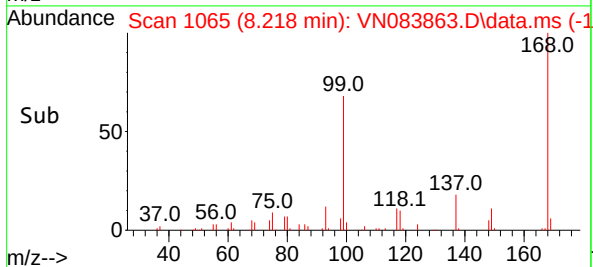
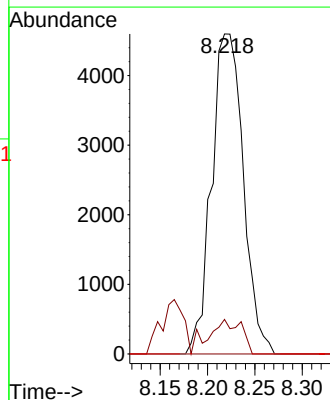
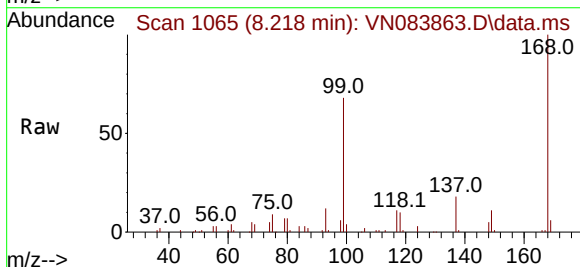
Tgt Ion: 75 Resp: 10715

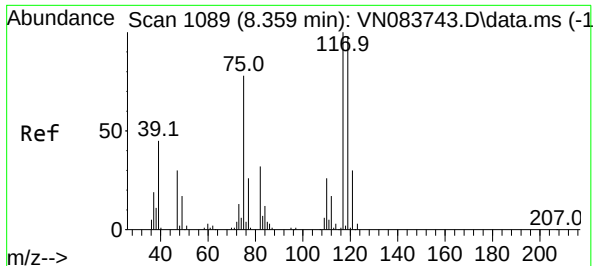
Ion Ratio Lower Upper

75 100

110 9.4 16.7 50.1#

77 0.0 25.2 37.8#

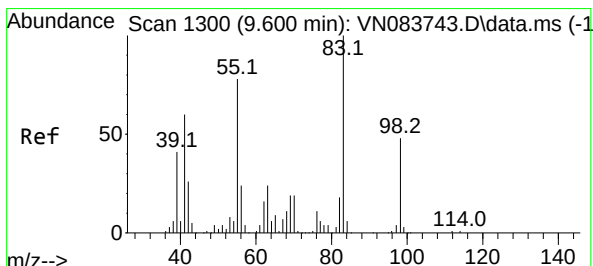
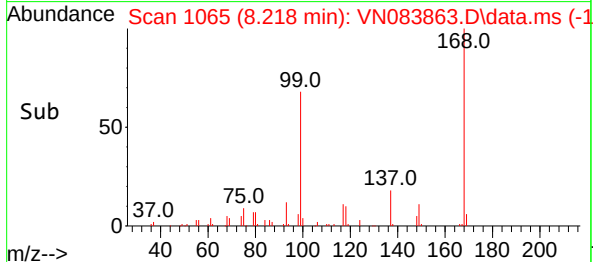
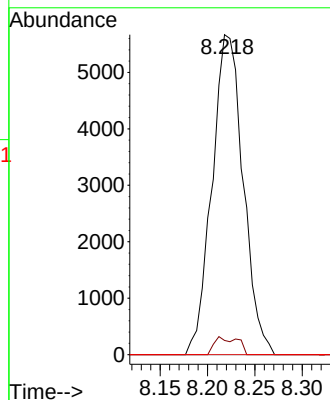
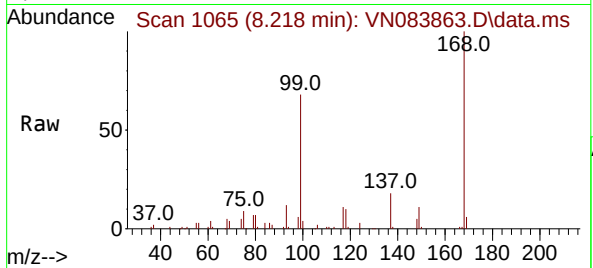




#38
Carbon Tetrachloride
Concen: 5.113 ug/l
RT: 8.218 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

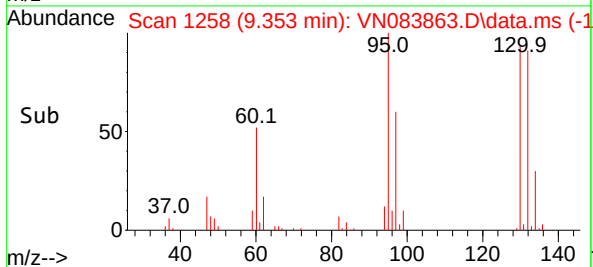
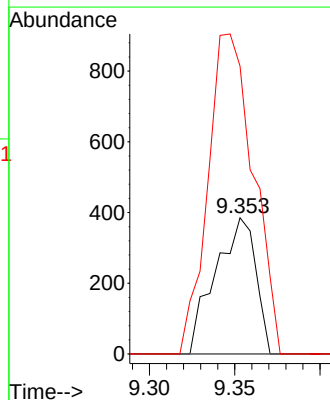
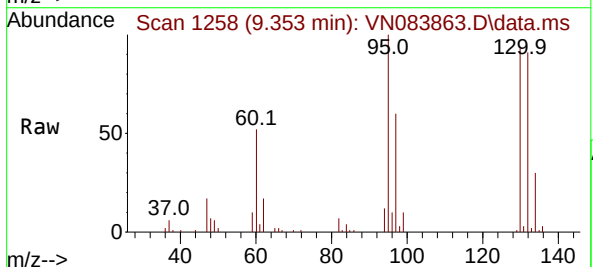
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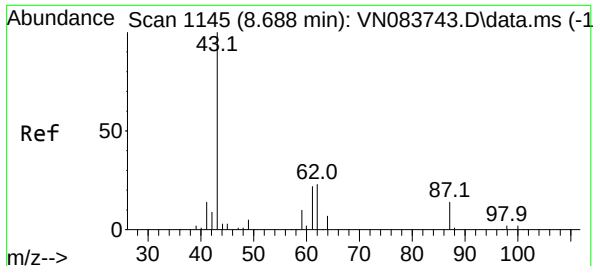
Tgt Ion: 117 Resp: 12989
Ion Ratio Lower Upper
117 100
119 4.4 76.1 114.1#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 0.249 ug/l
RT: 9.353 min Scan# 1258
Delta R.T. -0.247 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Tgt Ion: 83 Resp: 635
Ion Ratio Lower Upper
83 100
55 0.0 62.2 93.4#
98 211.4 37.6 56.4#





#43

Isopropyl Acetate

Concen: 0.393 ug/l

RT: 8.712 min Scan# 1149

Delta R.T. 0.024 min

Lab File: VN083863.D

Acq: 13 Sep 2024 09:00

Instrument :

MSVOA_N

ClientSampleId :

DUPE1-20240911

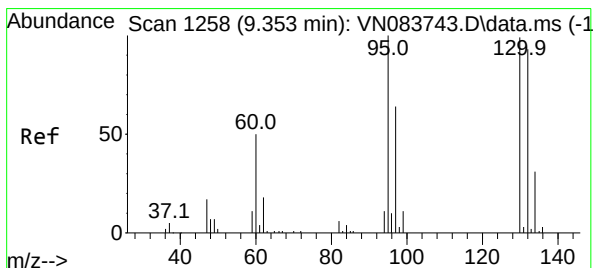
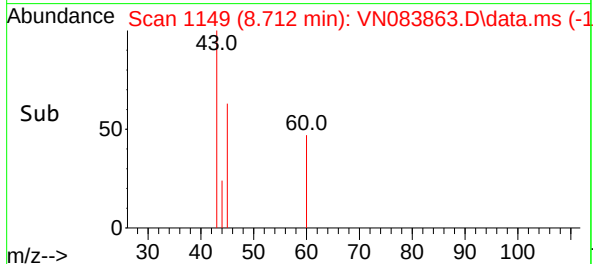
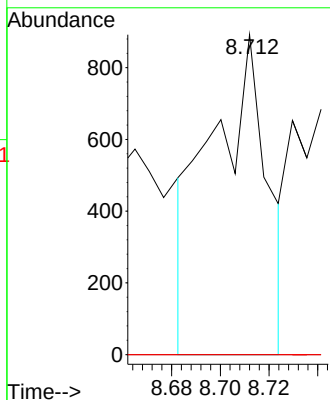
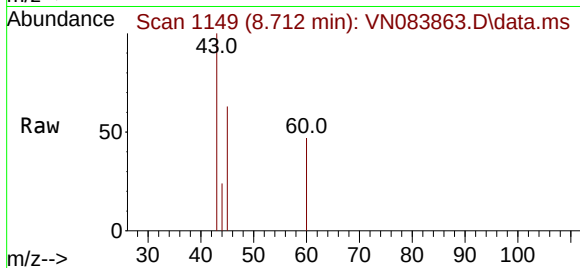
Tgt Ion: 43 Resp: 1447

Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#



#44

Trichloroethene

Concen: 38.218 ug/l

RT: 9.347 min Scan# 1257

Delta R.T. -0.006 min

Lab File: VN083863.D

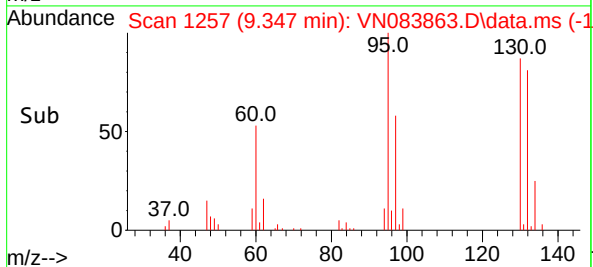
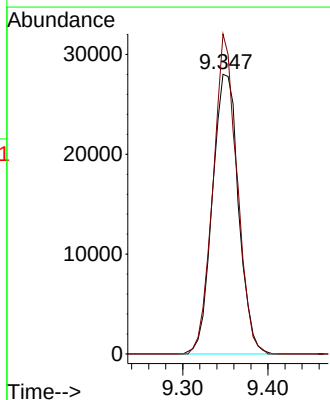
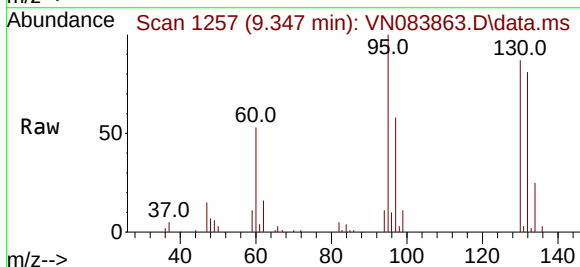
Acq: 13 Sep 2024 09:00

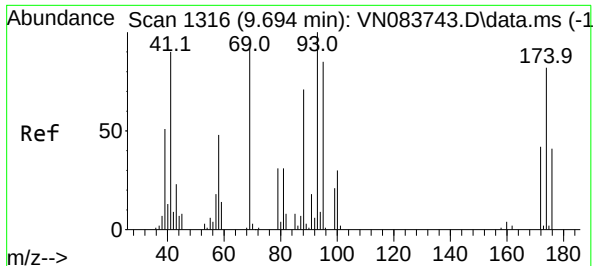
Tgt Ion: 130 Resp: 59647

Ion Ratio Lower Upper

130 100

95 114.4 0.0 200.4





#49

1,4-Dioxane

Concen: 10.715 ug/l

RT: 9.718 min Scan# 1

Delta R.T. 0.024 min

Lab File: VN083863.D

Acq: 13 Sep 2024 09:00

Instrument :

MSVOA_N

ClientSampleId :

DUPE1-20240911

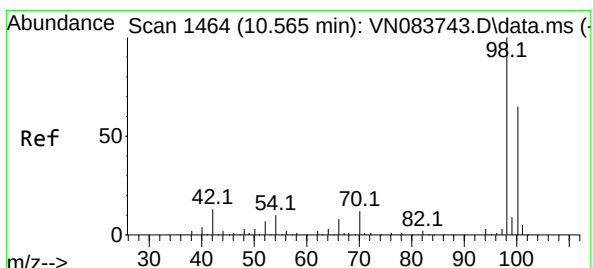
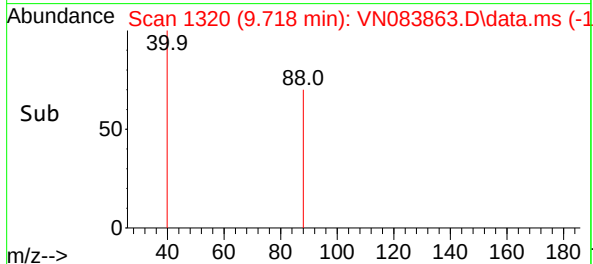
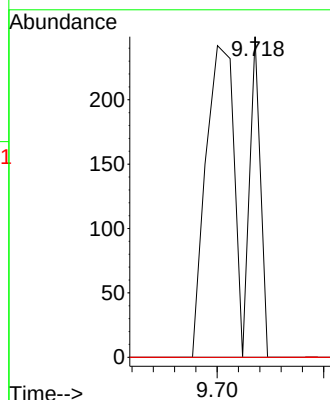
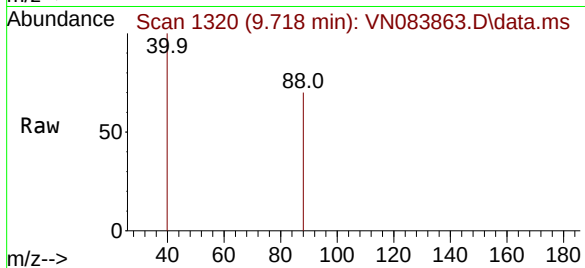
Tgt Ion: 88 Resp: 308

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 57.1 85.7#



#50

Toluene-d8

Concen: 51.437 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN083863.D

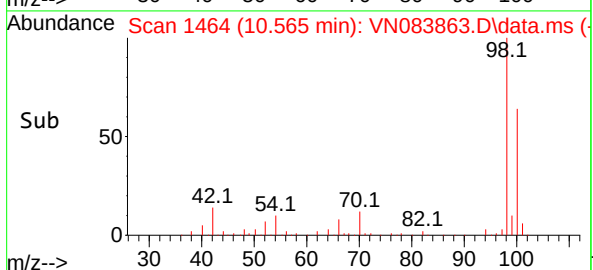
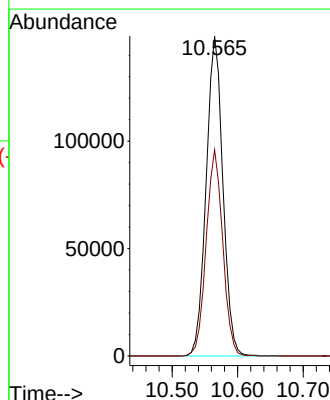
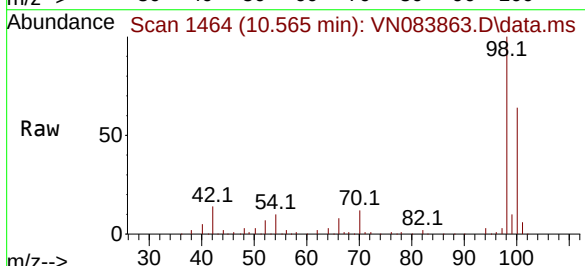
Acq: 13 Sep 2024 09:00

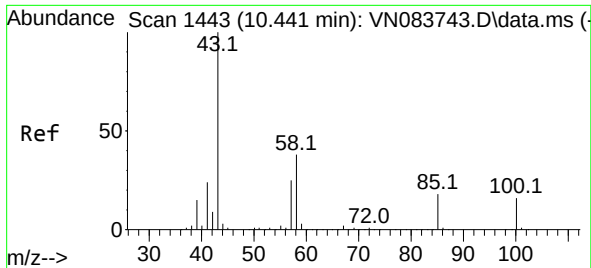
Tgt Ion: 98 Resp: 264533

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0

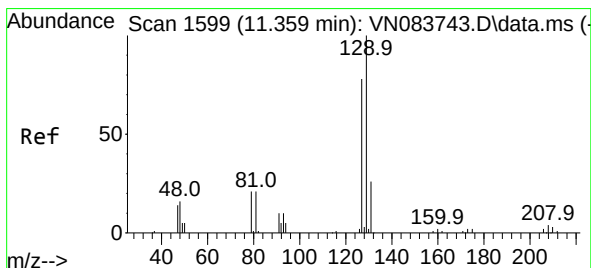
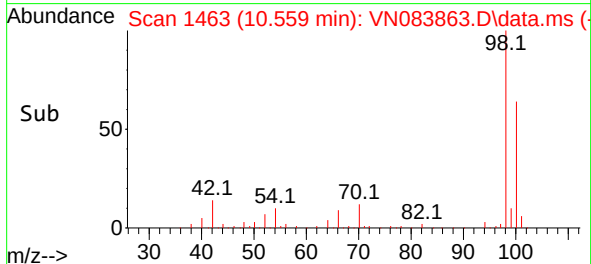
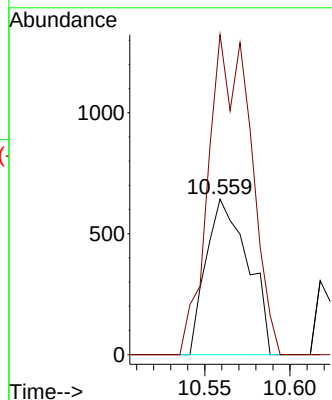
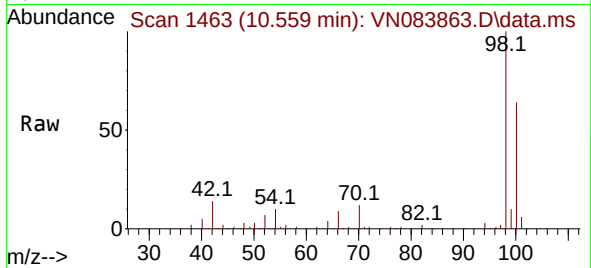




#51
4-Methyl-2-Pentanone
Concen: 0.548 ug/l
RT: 10.559 min Scan# 1443
Delta R.T. 0.118 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

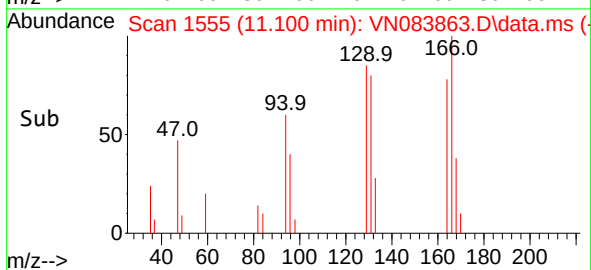
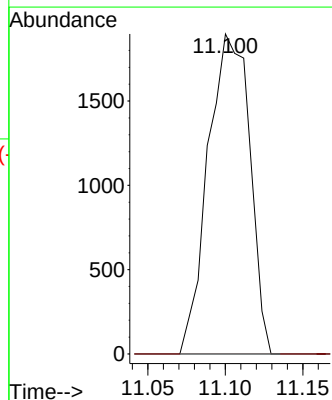
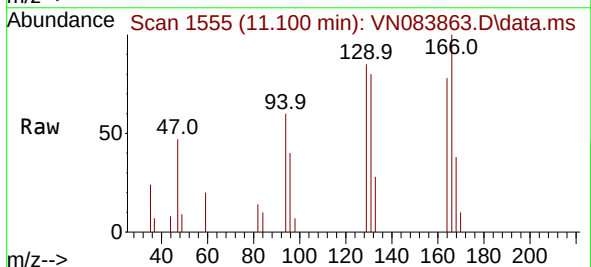
Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911

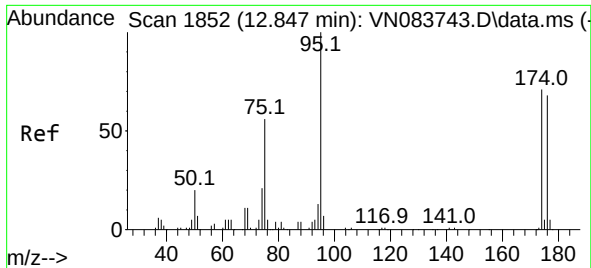
Tgt Ion: 43 Resp: 1098
Ion Ratio Lower Upper
43 100
58 209.2 31.6 47.4#



#60
Dibromochloromethane
Concen: 2.061 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. -0.259 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Tgt Ion: 129 Resp: 3549
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

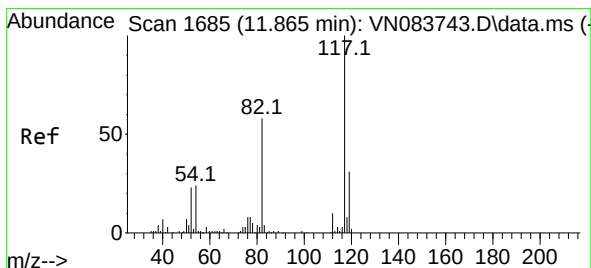
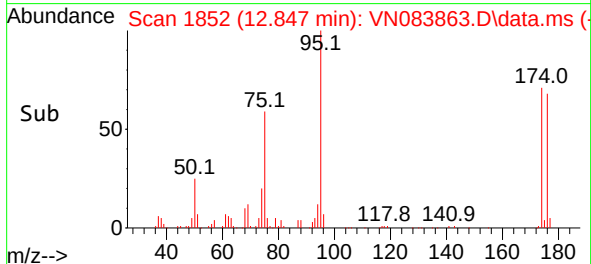
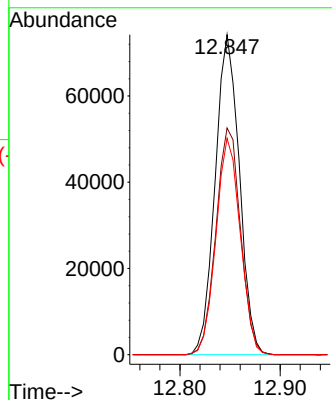
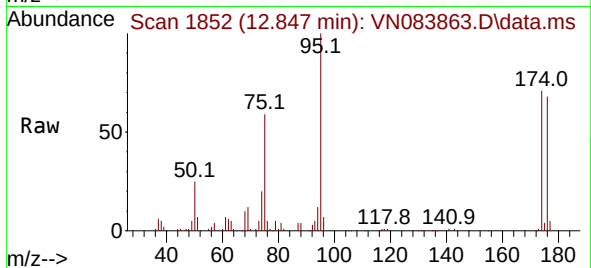




#62
4-Bromofluorobenzene
Concen: 58.514 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

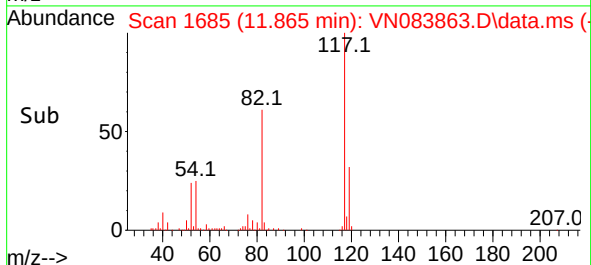
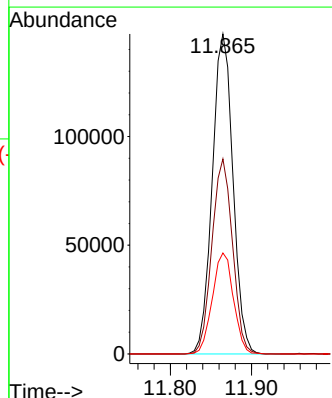
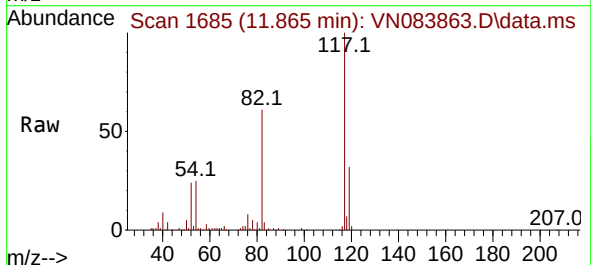
Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911

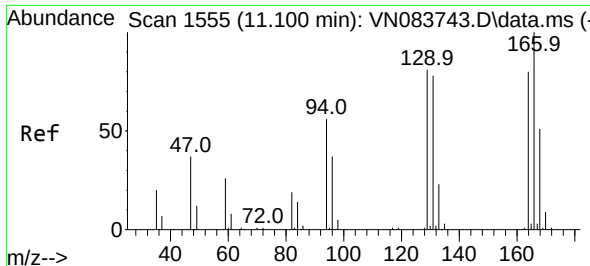
Tgt Ion: 95 Resp: 124157
Ion Ratio Lower Upper
95 100
174 72.0 0.0 139.8
176 68.0 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Tgt Ion: 117 Resp: 260820
Ion Ratio Lower Upper
117 100
82 61.0 47.4 71.0
119 31.6 26.3 39.5

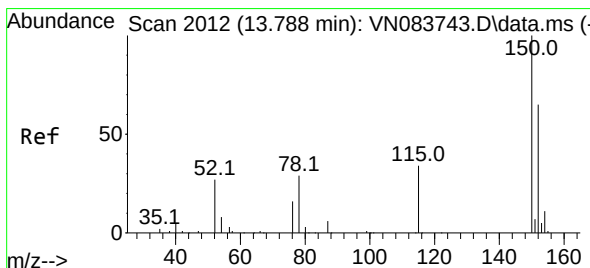
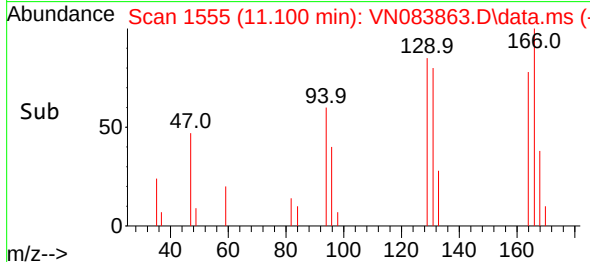
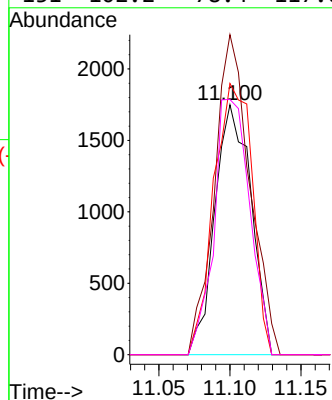
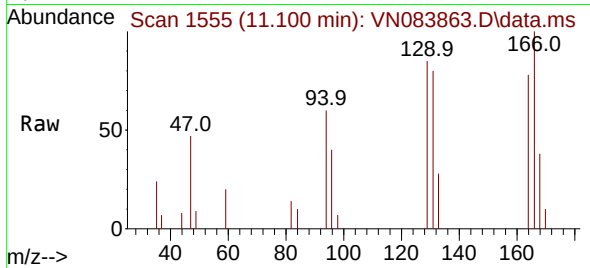




#64
Tetrachloroethene
Concen: 1.786 ug/l
RT: 11.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

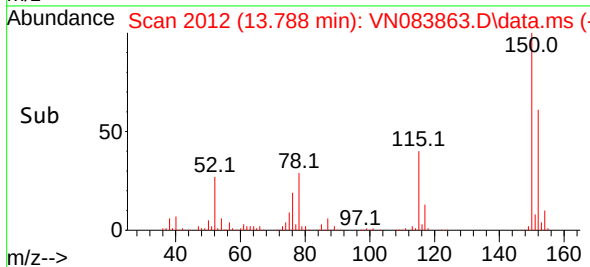
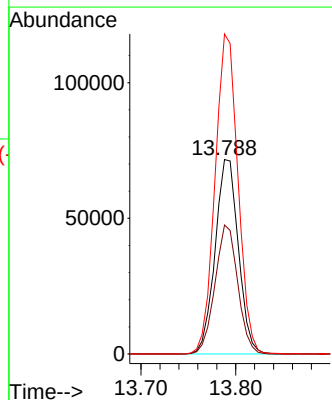
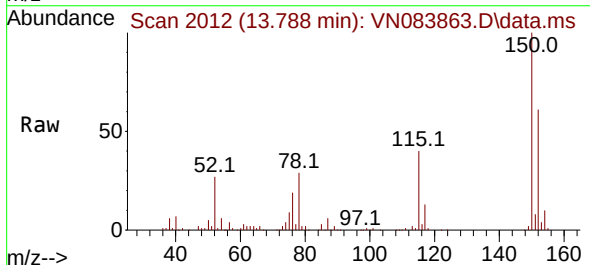
Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911

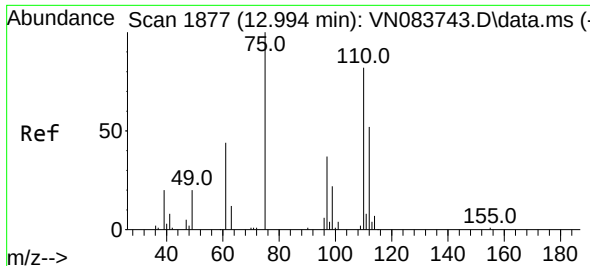
Tgt Ion:164 Resp: 3097
Ion Ratio Lower Upper
164 100
166 128.1 103.7 155.5
129 108.5 79.9 119.9
131 102.2 78.4 117.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Tgt Ion:152 Resp: 122484
Ion Ratio Lower Upper
152 100
115 64.9 32.2 96.6
150 161.6 0.0 348.6

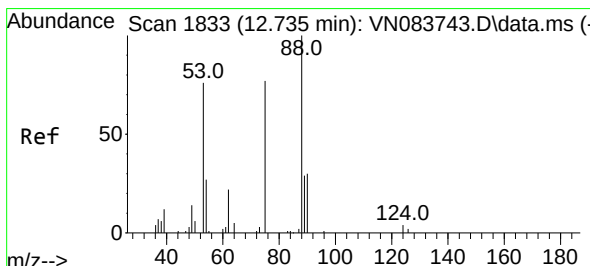
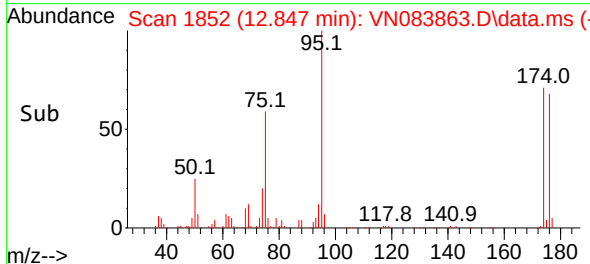
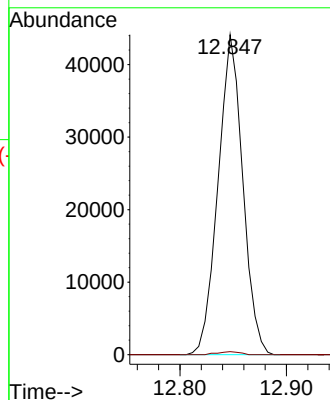
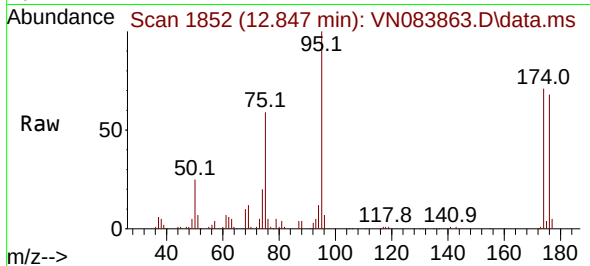




#76
1,2,3-Trichloropropane
Concen: 28.697 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Instrument :
MSVOA_N
ClientSampleId :
DUPE1-20240911

Tgt Ion: 75 Resp: 70923
Ion Ratio Lower Upper
75 100
77 0.9 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 75.158 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083863.D
Acq: 13 Sep 2024 09:00

Tgt Ion: 75 Resp: 70923
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#

