

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090924\
 Data File : VN083723.D
 Acq On : 09 Sep 2024 17:48
 Operator : JC\MD
 Sample : P3827-04DL 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 10 02:14:09 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083024W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 00:48:10 2024
 Response via : Initial Calibration

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

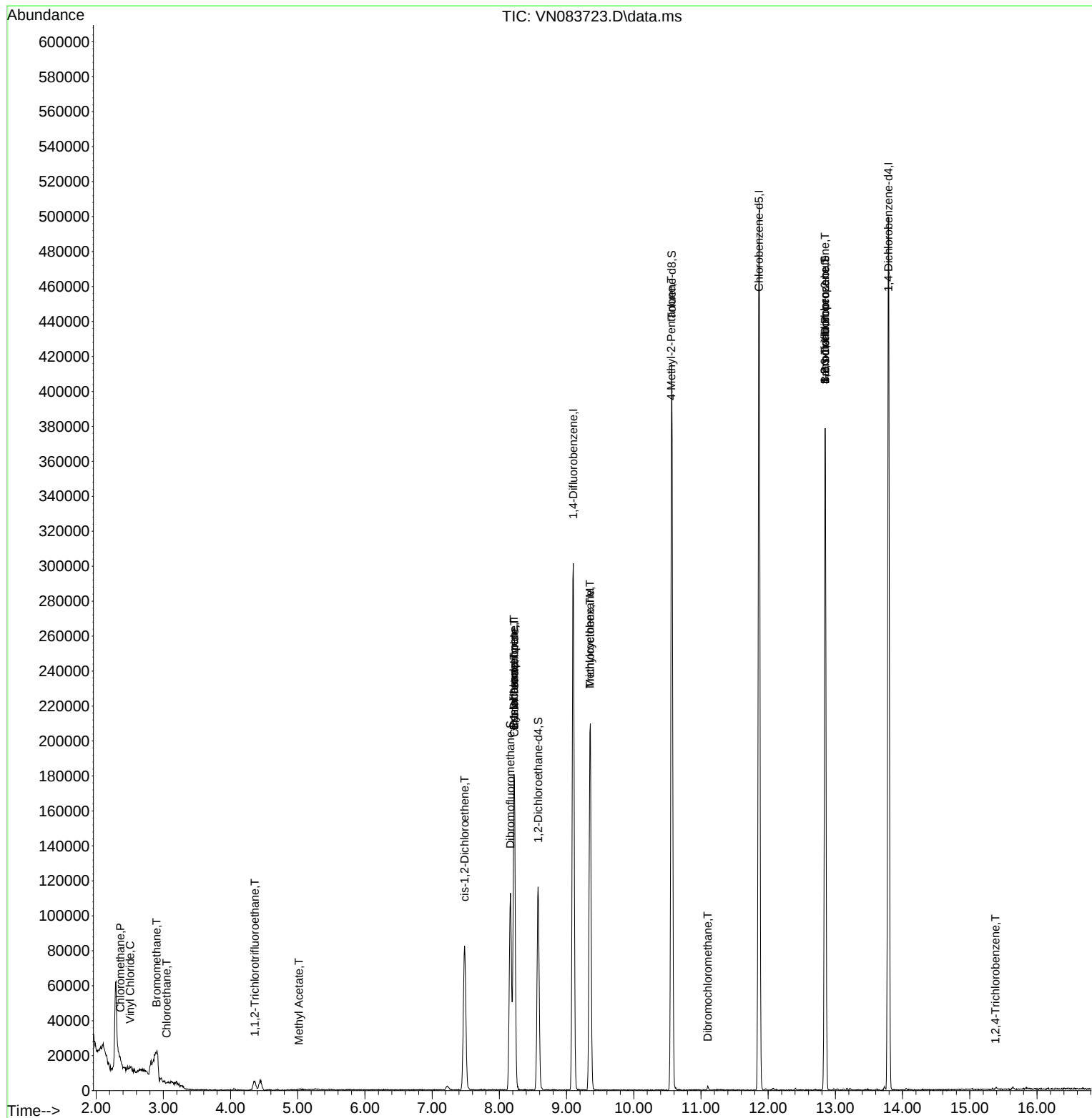
Internal Standards						
1) Pentafluorobenzene	8.218	168	123305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	251305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271951	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	126329	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	99290	57.616	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.240%
35) Dibromofluoromethane	8.165	113	78826	52.115	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.220%
50) Toluene-d8	10.565	98	278031	47.214	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	94.420%
62) 4-Bromofluorobenzene	12.847	95	128116	58.716	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	117.440%
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	992	0.653	ug/l #	41
4) Vinyl Chloride	2.506	62	1270	0.835	ug/l	97
5) Bromomethane	2.900	94	279	0.349	ug/l	83
6) Chloroethane	3.047	64	484	0.487	ug/l #	45
9) 1,1,2-Trichlorotrifluo...	4.359	101	4160	3.062	ug/l	97
18) Methyl Acetate	5.018	43	887	0.485	ug/l #	52
27) cis-1,2-Dichloroethene	7.482	96	48864	29.102	ug/l	89
31) Cyclohexane	8.218	56	3121	1.171	ug/l #	7
36) 1,1-Dichloropropene	8.218	75	10628	4.607	ug/l #	51
38) Carbon Tetrachloride	8.224	117	14356	5.454	ug/l #	17
39) Methylcyclohexane	9.347	83	980	0.354	ug/l #	5
43) Isopropyl Acetate	8.735	43	73	Below Cal	#	57
44) Trichloroethene	9.347	130	71104	41.648	ug/l	93
51) 4-Methyl-2-Pentanone	10.559	43	1497	0.701	ug/l #	1
60) Dibromochloromethane	11.100	129	467	0.254	ug/l #	10
71) Bromoform	12.847	173	690	0.470	ug/l #	29
76) 1,2,3-Trichloropropane	12.847	75	71968	28.217	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	71968	66.551	ug/l #	9
93) 1,2,4-Trichlorobenzene	15.382	180	593	0.233	ug/l #	83

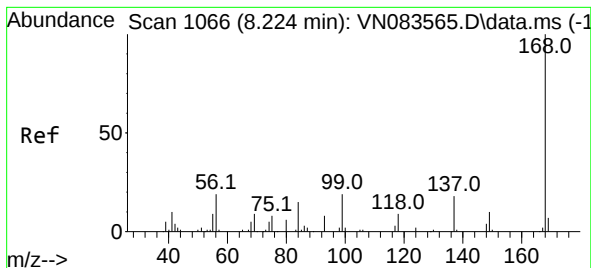
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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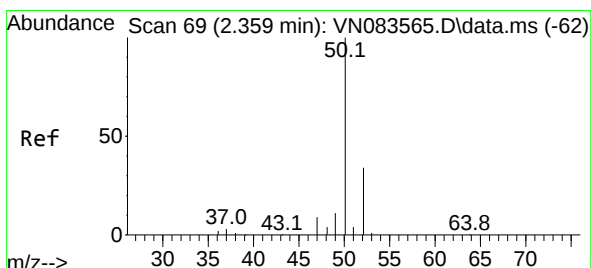
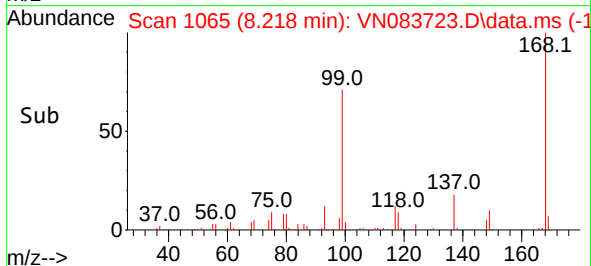
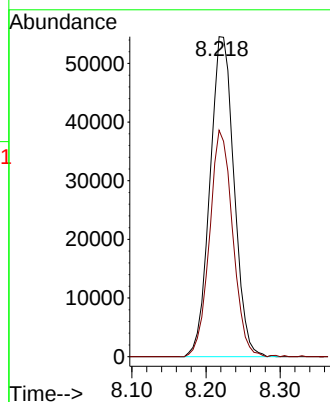
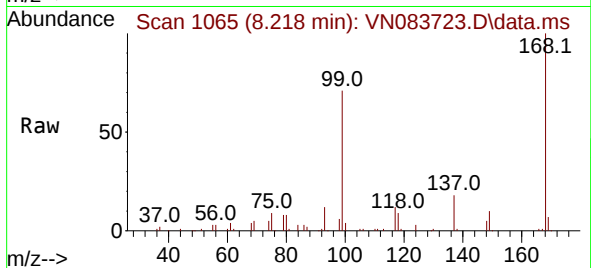




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

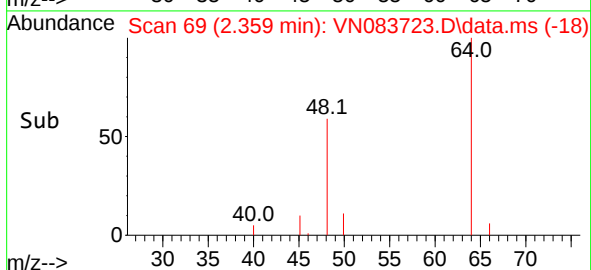
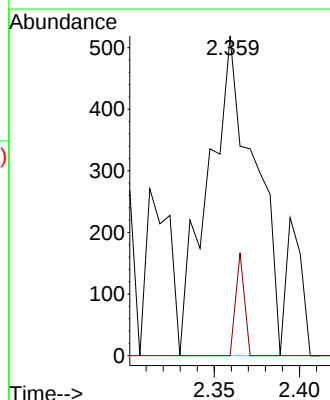
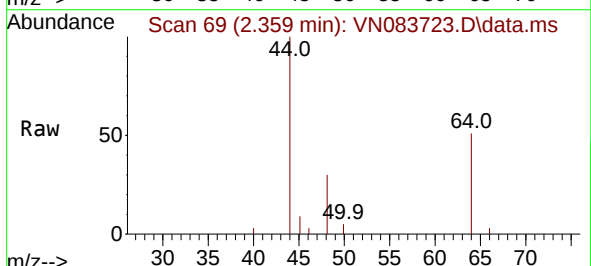
Instrument :
MSVOA_N
ClientSampleId :

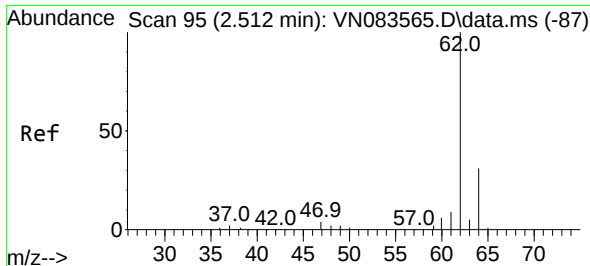
Tgt Ion:168 Resp: 123305
Ion Ratio Lower Upper
168 100
99 70.7 54.2 81.2



#3
Chloromethane
Concen: 0.653 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

Tgt Ion: 50 Resp: 992
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#

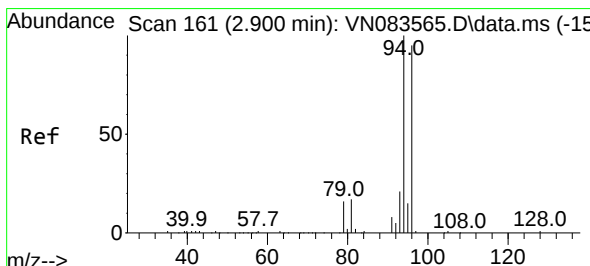
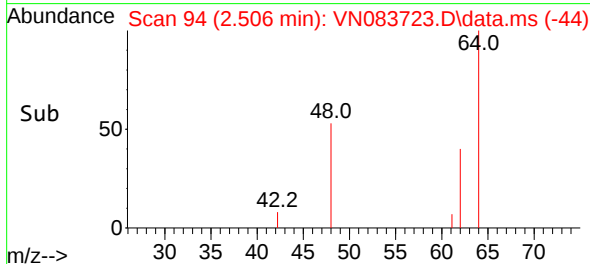
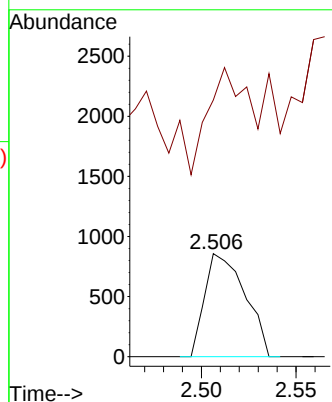
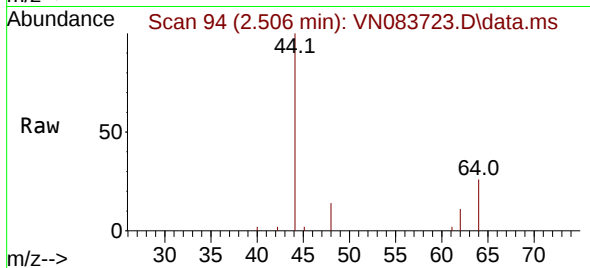




#4
 Vinyl Chloride
 Concen: 0.835 ug/l
 RT: 2.506 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN083723.D
 Acq: 09 Sep 2024 17:48

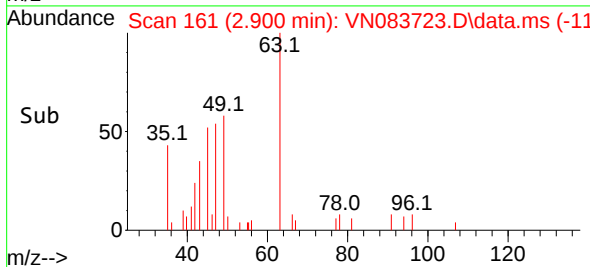
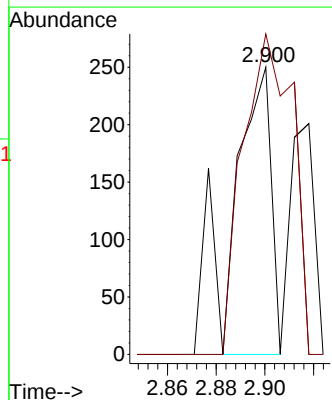
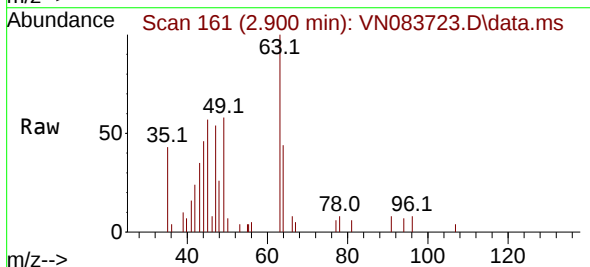
Instrument :
 MSVOA_N
 ClientSampleId :

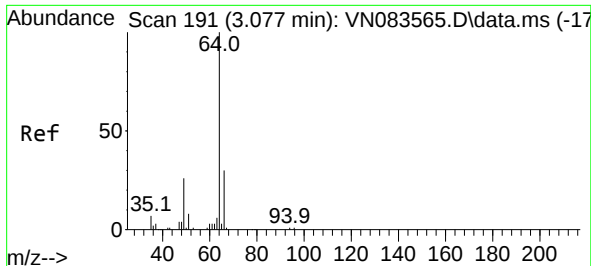
Tgt Ion: 62 Resp: 1270
 Ion Ratio Lower Upper
 62 100
 64 32.5 24.7 37.1



#5
 Bromomethane
 Concen: 0.349 ug/l
 RT: 2.900 min Scan# 161
 Delta R.T. -0.000 min
 Lab File: VN083723.D
 Acq: 09 Sep 2024 17:48

Tgt Ion: 94 Resp: 279
 Ion Ratio Lower Upper
 94 100
 96 111.6 76.0 114.0

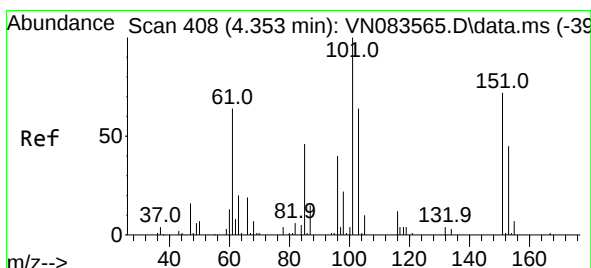
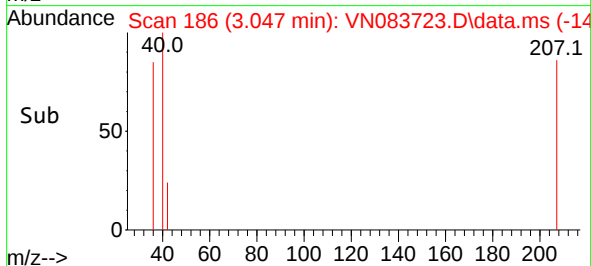
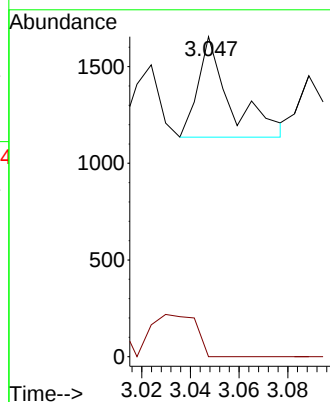
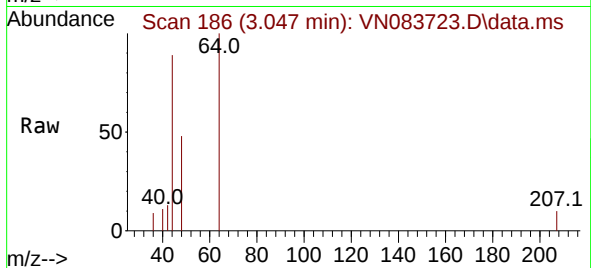




#6
Chloroethane
Concen: 0.487 ug/l
RT: 3.047 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

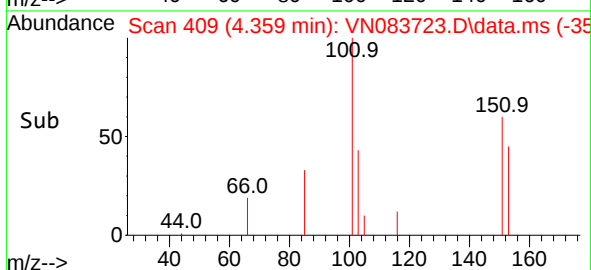
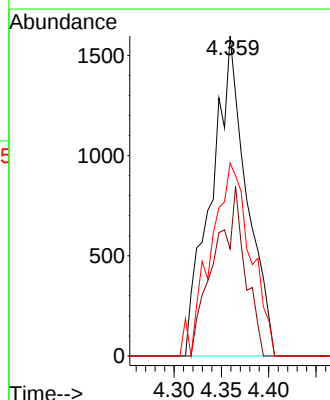
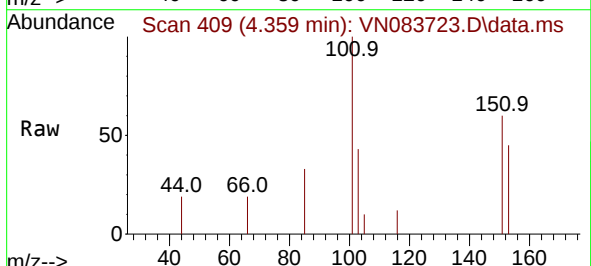
Instrument :
MSVOA_N
ClientSampleId :

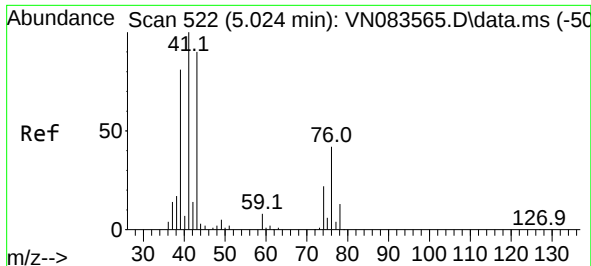
Tgt Ion: 64 Resp: 484
Ion Ratio Lower Upper
64 100
66 0.0 23.9 35.9#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.062 ug/l
RT: 4.359 min Scan# 409
Delta R.T. 0.006 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

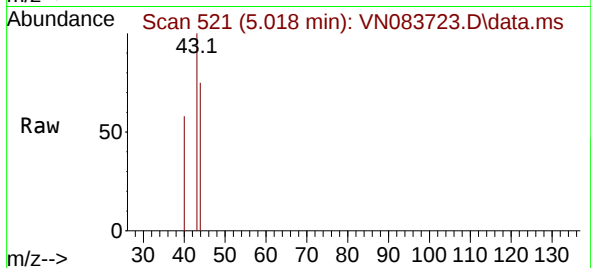
Tgt Ion: 101 Resp: 4160
Ion Ratio Lower Upper
101 100
85 45.2 36.2 54.4
151 67.9 57.7 86.5



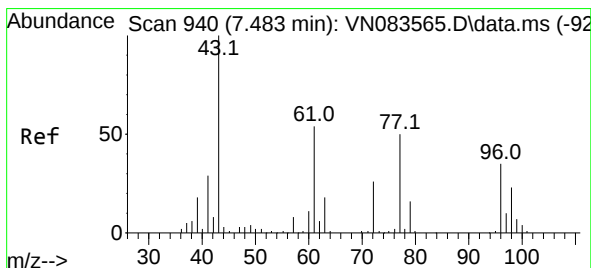
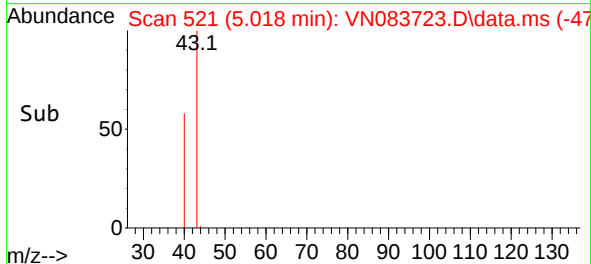
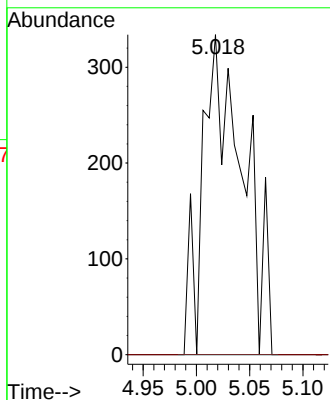


#18
Methyl Acetate
Concen: 0.485 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

Instrument :
MSVOA_N
ClientSampleId :

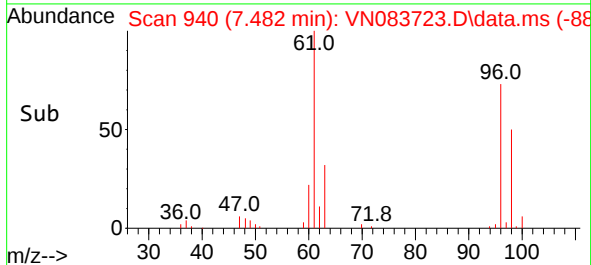
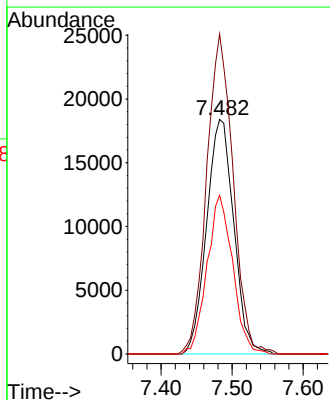
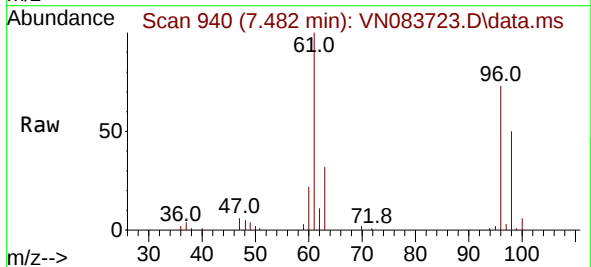


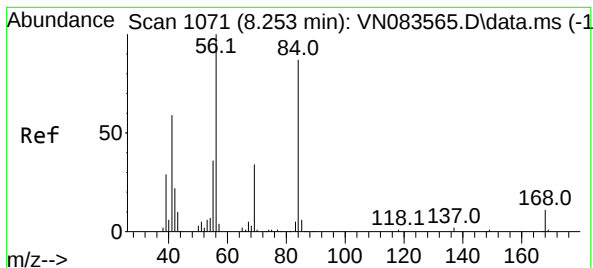
Tgt Ion: 43 Resp: 887
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.4#



#27
cis-1,2-Dichloroethene
Concen: 29.102 ug/l
RT: 7.482 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

Tgt Ion: 96 Resp: 48864
Ion Ratio Lower Upper
96 100
61 132.6 0.0 306.2
98 63.8 0.0 128.6





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.035 min

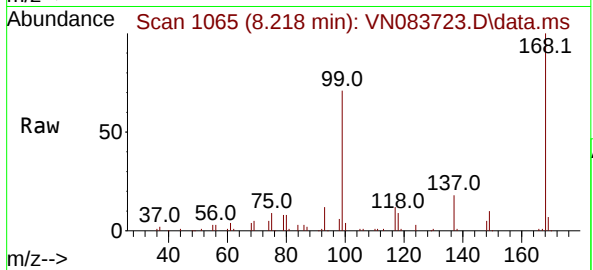
Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

Instrument :

MSVOA_N

ClientSampleId :



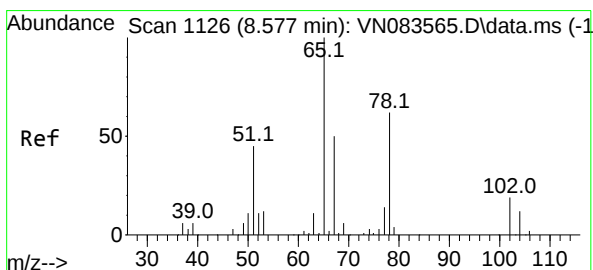
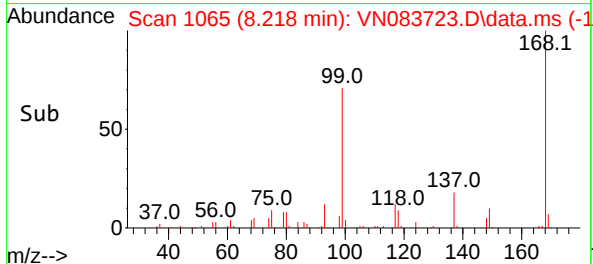
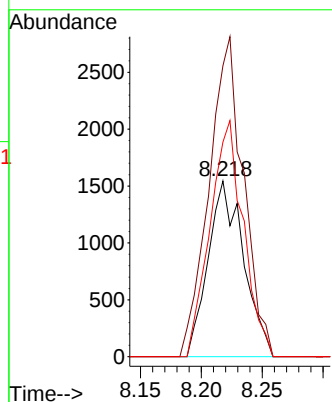
Tgt Ion: 56 Resp: 3121

Ion Ratio Lower Upper

56 100

69 165.5 26.9 40.3#

84 122.1 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 57.616 ug/l

RT: 8.576 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN083723.D

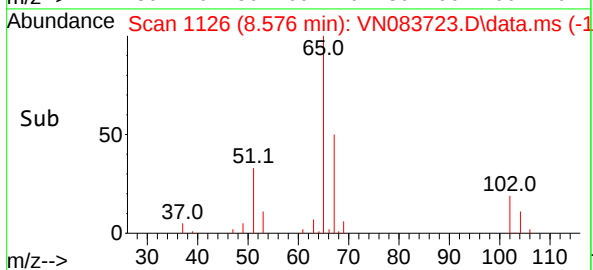
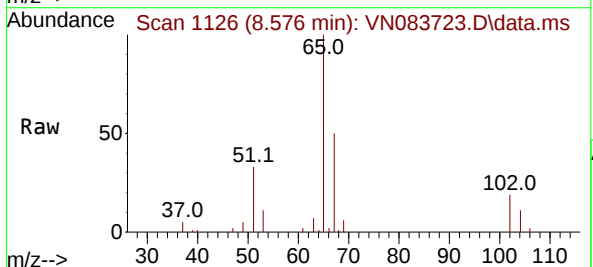
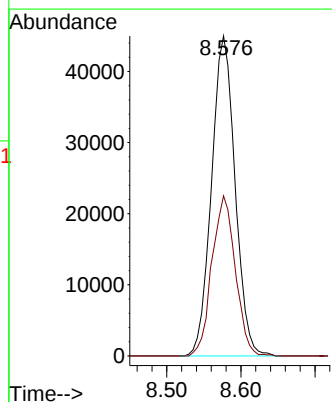
Acq: 09 Sep 2024 17:48

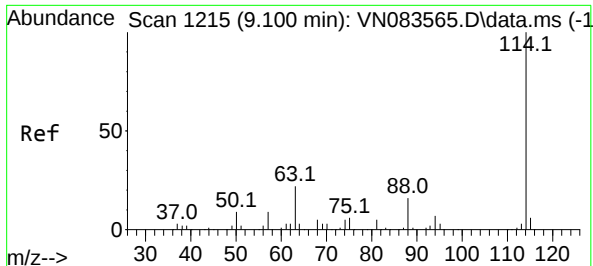
Tgt Ion: 65 Resp: 99290

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

Instrument :

MSVOA_N

ClientSampleId :

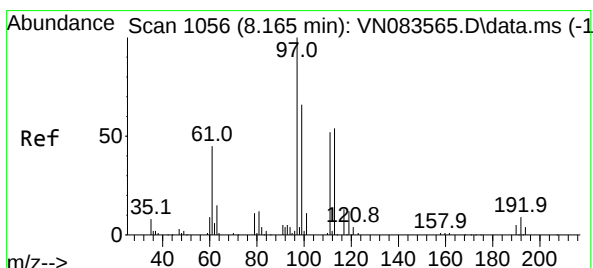
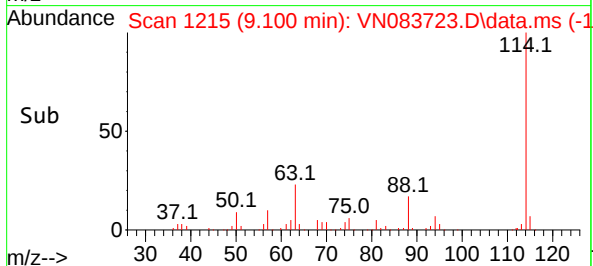
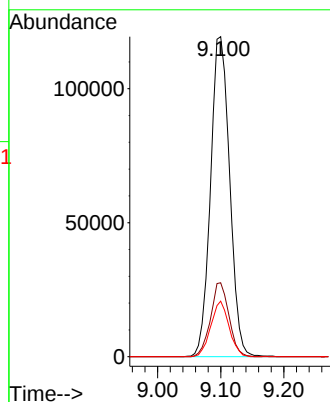
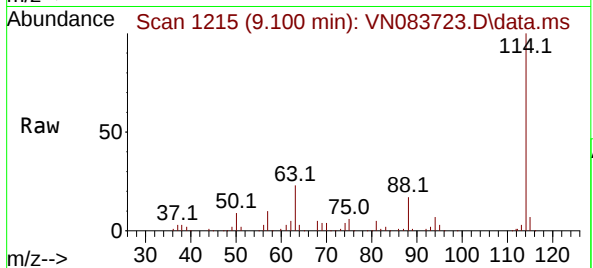
Tgt Ion:114 Resp: 251305

Ion Ratio Lower Upper

114 100

63 23.1 0.0 43.4

88 17.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 52.115 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

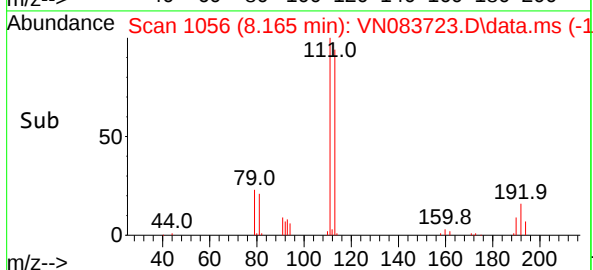
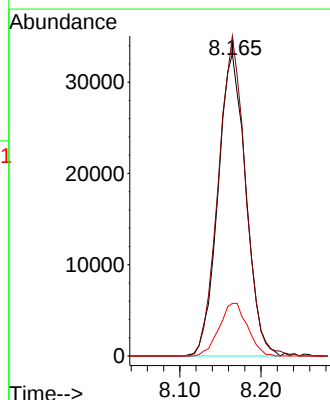
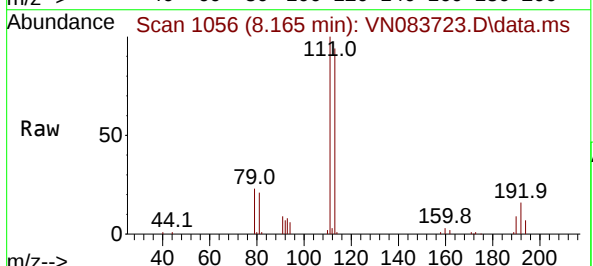
Tgt Ion:113 Resp: 78826

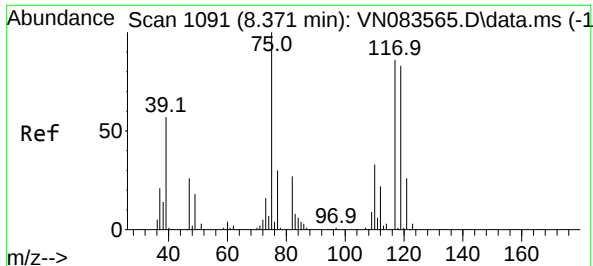
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 17.6 14.3 21.5





#36

1,1-Dichloropropene

Concen: 4.607 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

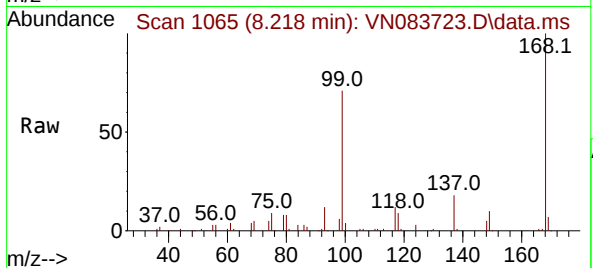
Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

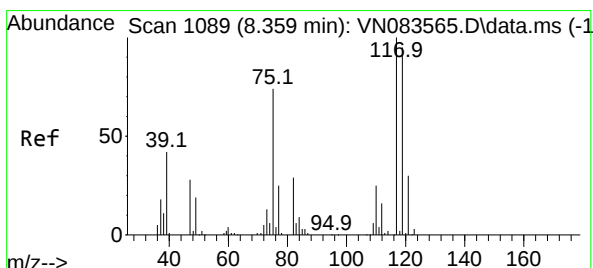
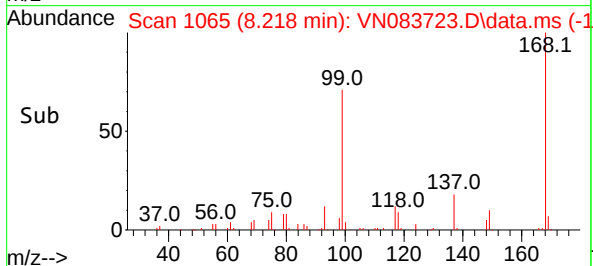
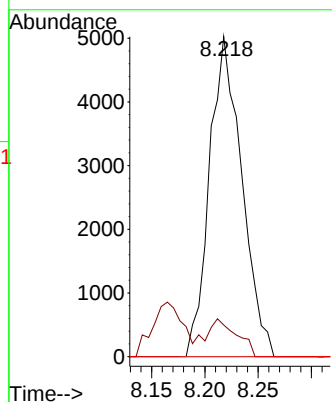
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75	Resp: 10628
Ion Ratio	Lower Upper
75	100
110	9.5 16.7 50.1#
77	0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.454 ug/l

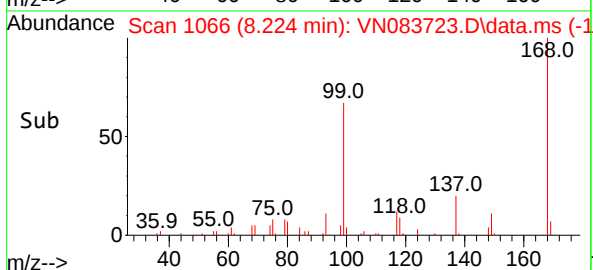
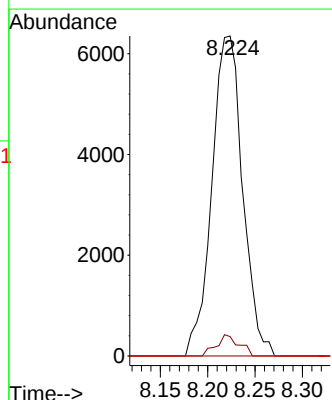
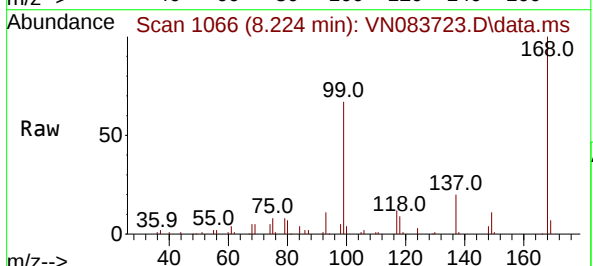
RT: 8.224 min Scan# 1066

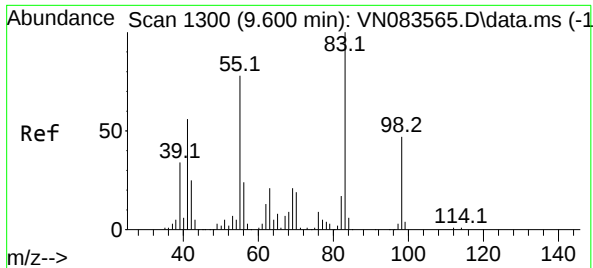
Delta R.T. -0.135 min

Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

Tgt Ion: 117	Resp: 14356
Ion Ratio	Lower Upper
117	100
119	6.0 76.1 114.1#
121	0.0 24.1 36.1#





#39

Methylcyclohexane

Concen: 0.354 ug/l

RT: 9.347 min Scan# 1153

Delta R.T. -0.253 min

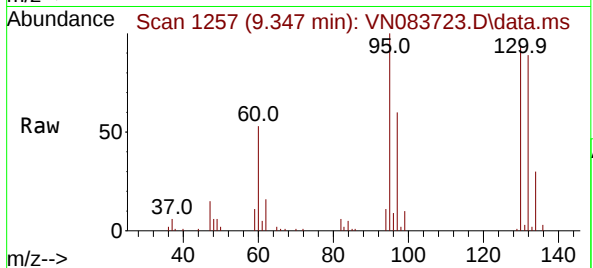
Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

Instrument :

MSVOA_N

ClientSampleId :



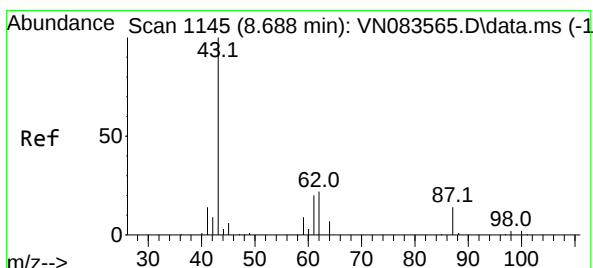
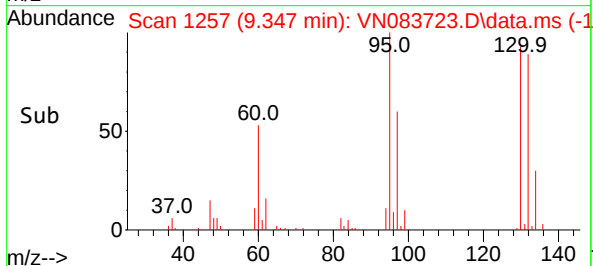
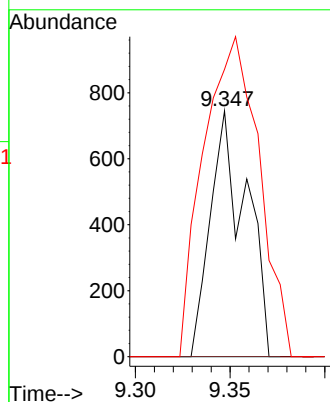
Tgt Ion: 83 Resp: 980

Ion Ratio Lower Upper

83 100

55 0.0 62.2 93.4#

98 116.9 37.6 56.4#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.735 min Scan# 1153

Delta R.T. 0.047 min

Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

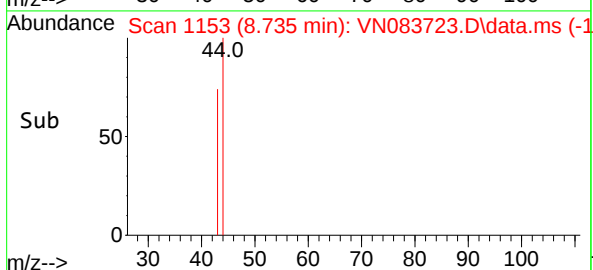
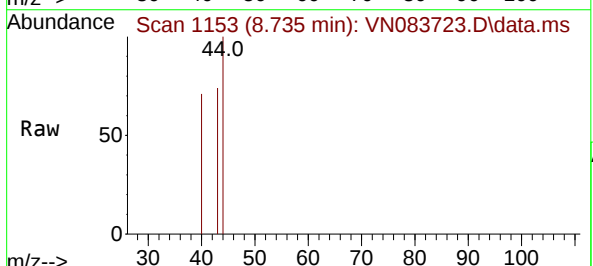
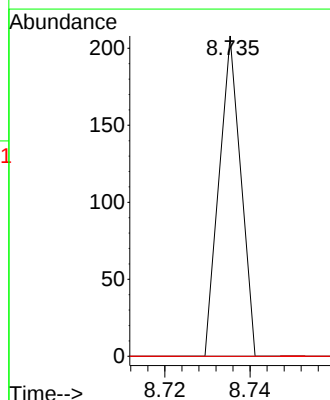
Tgt Ion: 43 Resp: 73

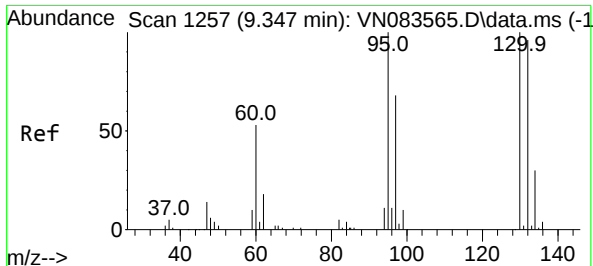
Ion Ratio Lower Upper

43 100

61 0.0 19.4 29.0#

87 0.0 9.8 14.6#

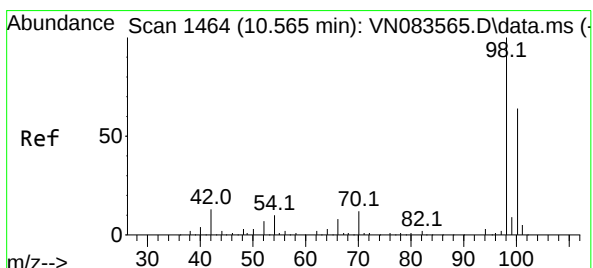
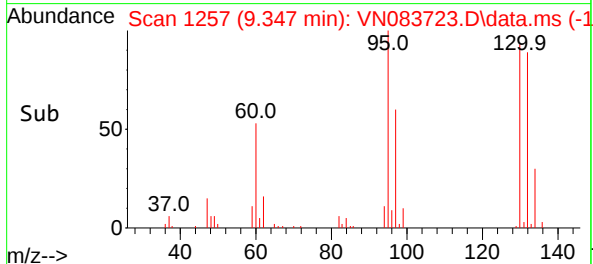
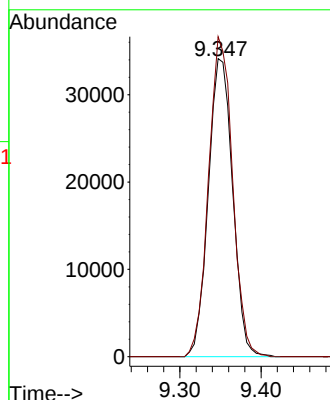
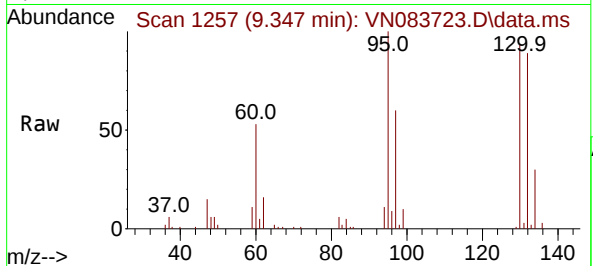




#44
Trichloroethene
Concen: 41.648 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

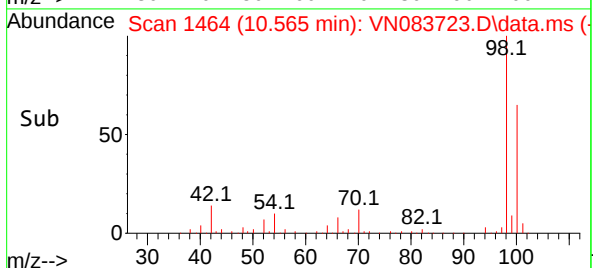
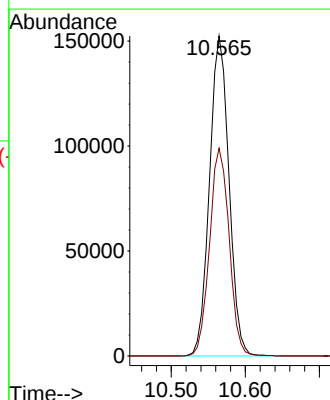
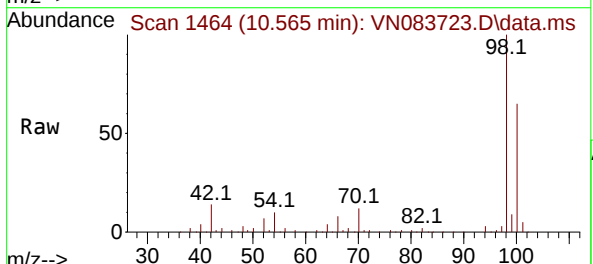
Instrument :
MSVOA_N
ClientSampleId :

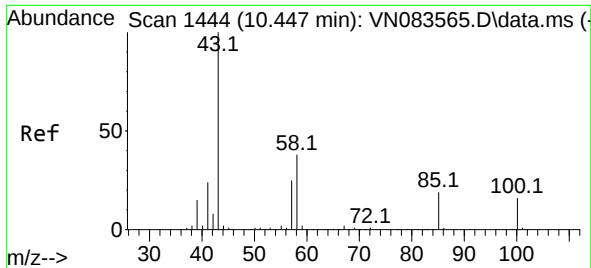
Tgt Ion:130 Resp: 71104
Ion Ratio Lower Upper
130 100
95 107.3 0.0 200.4



#50
Toluene-d8
Concen: 47.214 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

Tgt Ion: 98 Resp: 278031
Ion Ratio Lower Upper
98 100
100 65.3 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.701 ug/l

RT: 10.559 min Scan# 14

Delta R.T. 0.112 min

Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

Instrument :

MSVOA_N

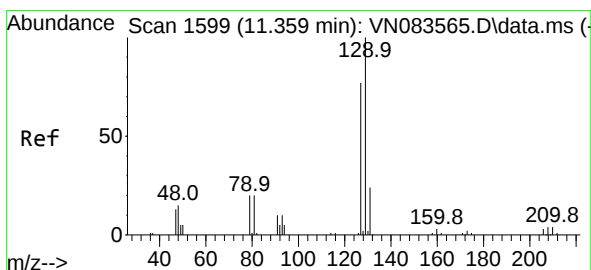
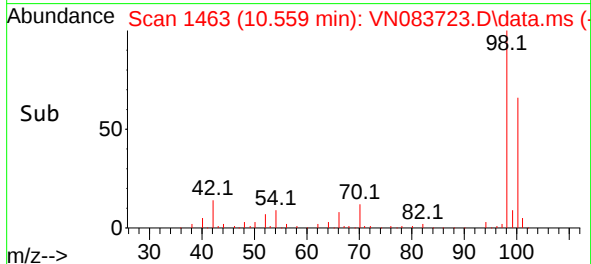
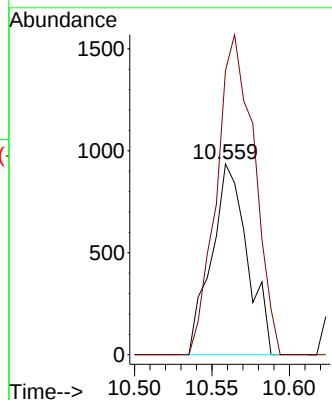
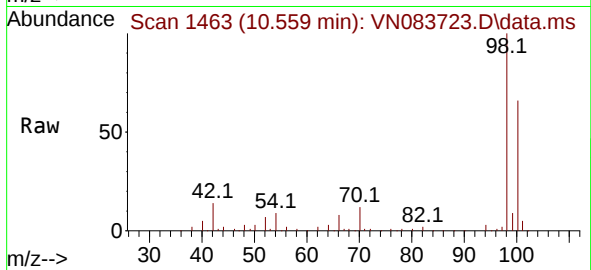
ClientSampleId :

Tgt Ion: 43 Resp: 1497

Ion Ratio Lower Upper

43 100

58 177.4 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.254 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN083723.D

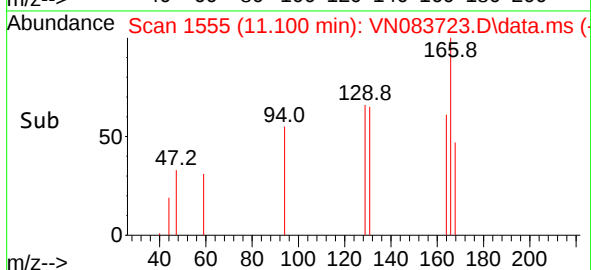
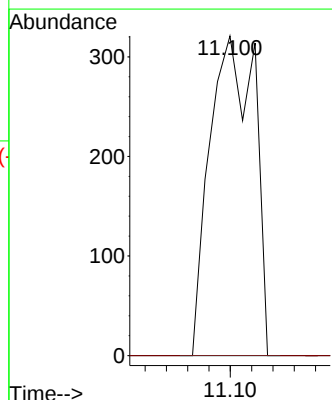
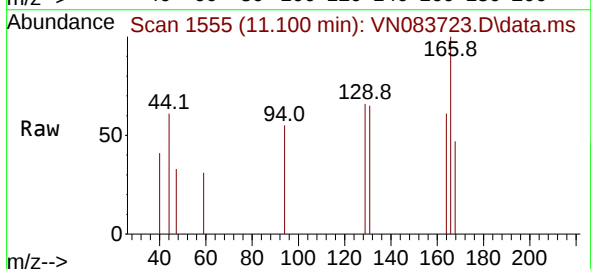
Acq: 09 Sep 2024 17:48

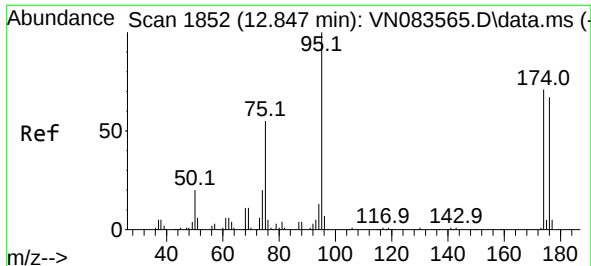
Tgt Ion: 129 Resp: 467

Ion Ratio Lower Upper

129 100

127 0.0 39.0 116.9#

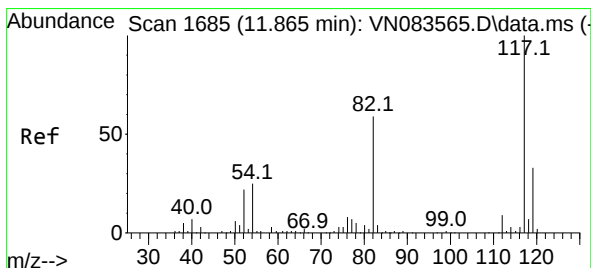
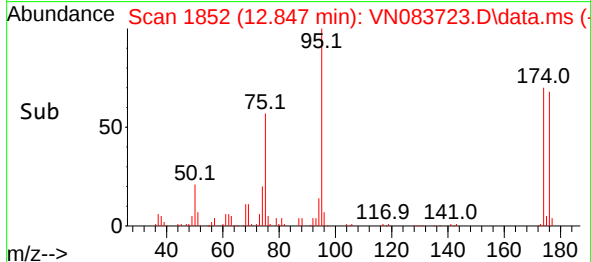
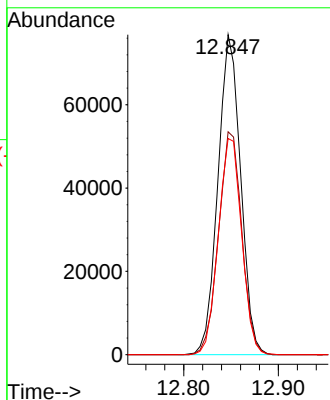
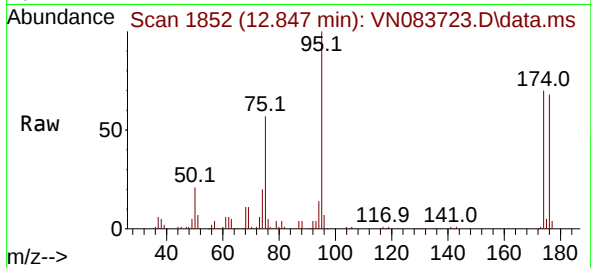




#62
4-Bromofluorobenzene
Concen: 58.716 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

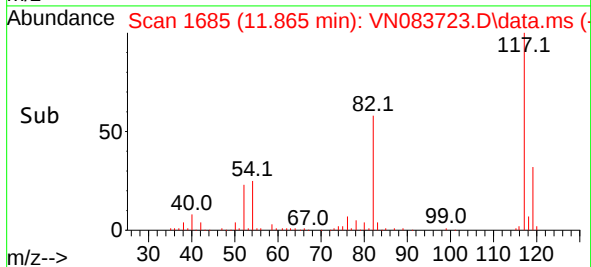
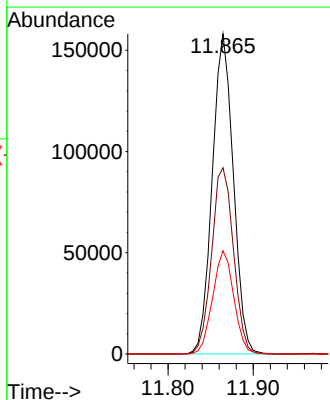
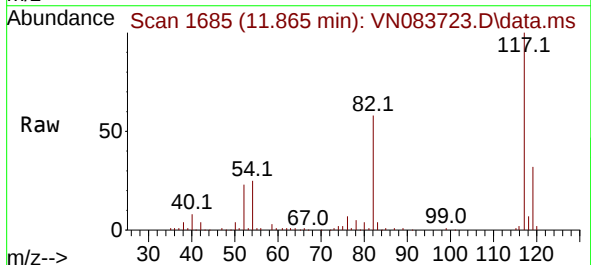
Instrument :
MSVOA_N
ClientSampleId :

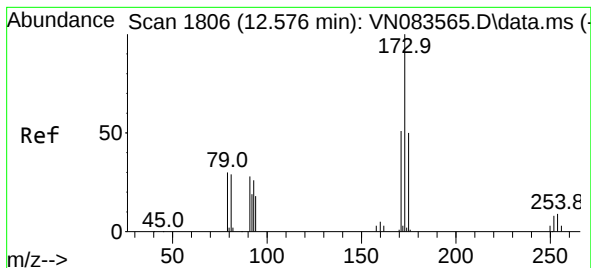
Tgt Ion: 95 Resp: 128116
Ion Ratio Lower Upper
95 100
174 71.3 0.0 139.8
176 69.4 0.0 131.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

Tgt Ion: 117 Resp: 271951
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.0
119 32.3 26.3 39.5





#71

Bromoform

Concen: 0.470 ug/l

RT: 12.847 min Scan# 1806

Delta R.T. 0.270 min

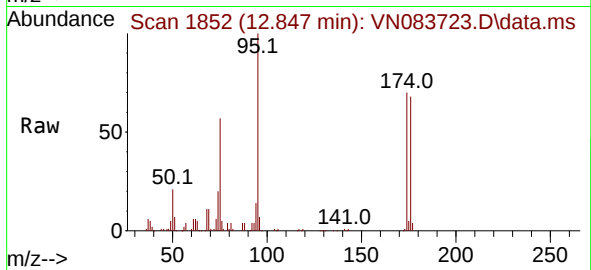
Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

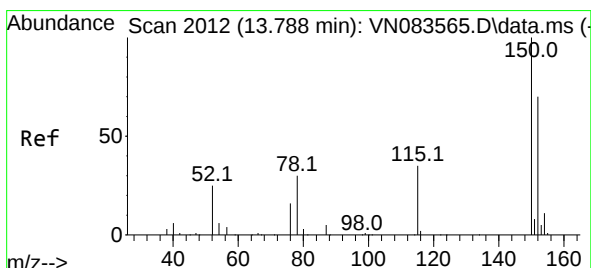
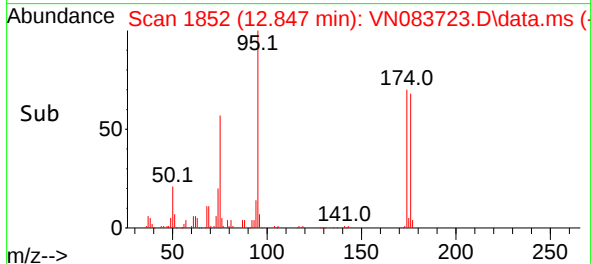
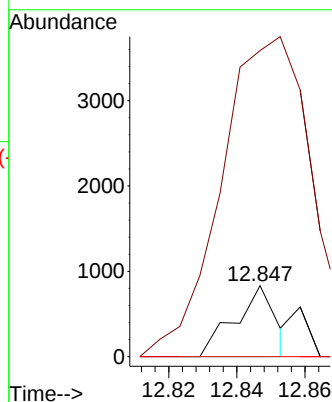
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	690
Ion Ratio	Lower	Upper	
173	100		
175	0.0	24.1	72.2#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

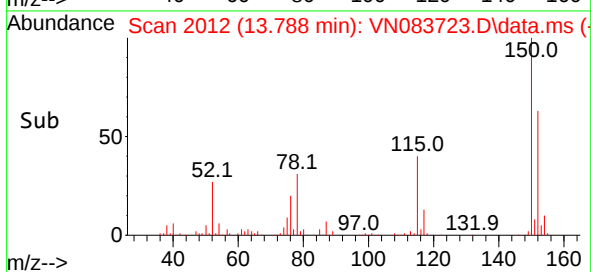
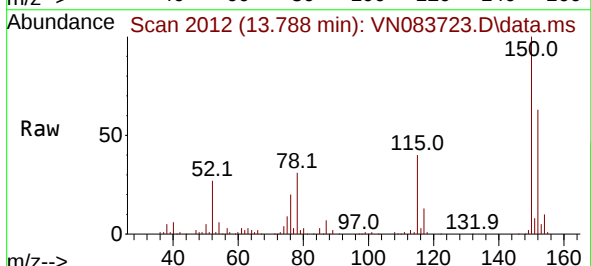
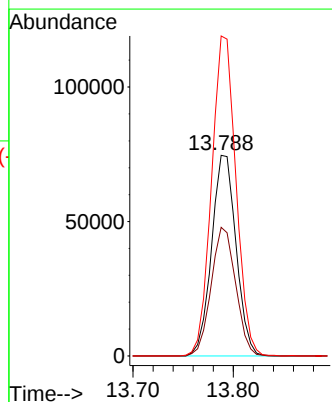
RT: 13.788 min Scan# 2012

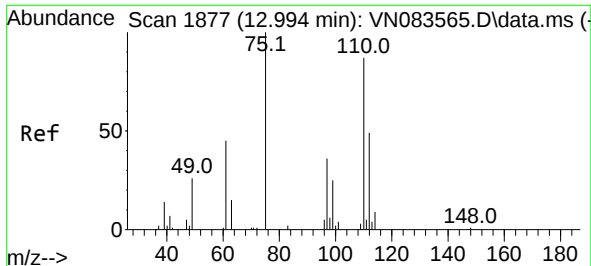
Delta R.T. -0.000 min

Lab File: VN083723.D

Acq: 09 Sep 2024 17:48

Tgt Ion:	152	Resp:	126329
Ion Ratio	Lower	Upper	
152	100		
115	64.1	32.2	96.6
150	159.0	0.0	348.6

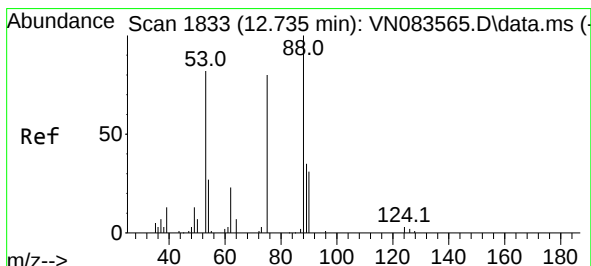
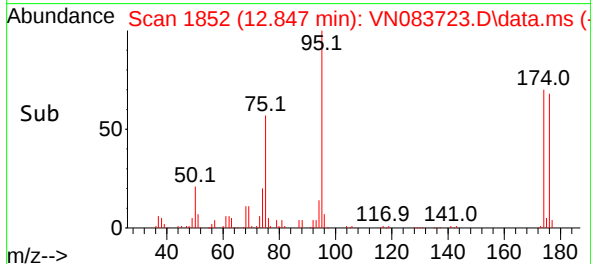
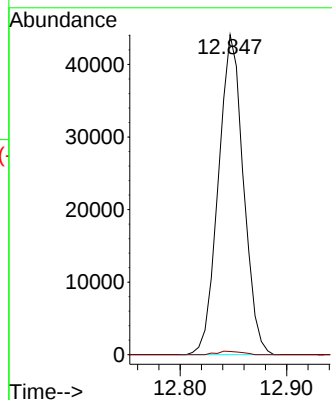
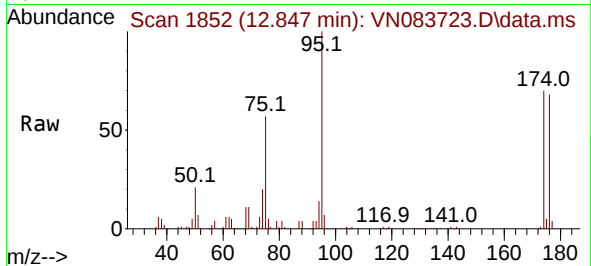




#76
1,2,3-Trichloropropane
Concen: 28.217 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

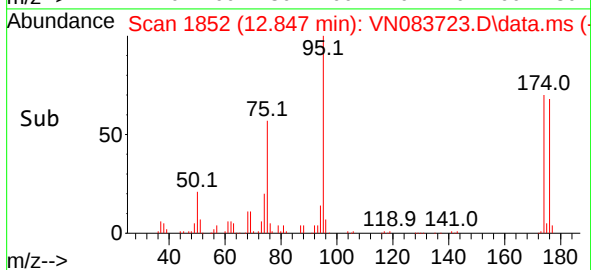
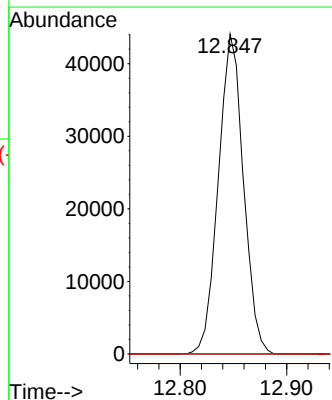
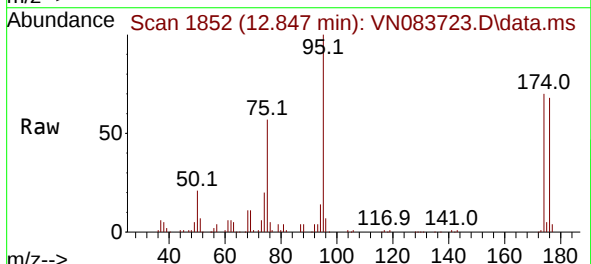
Instrument :
MSVOA_N
ClientSampleId :

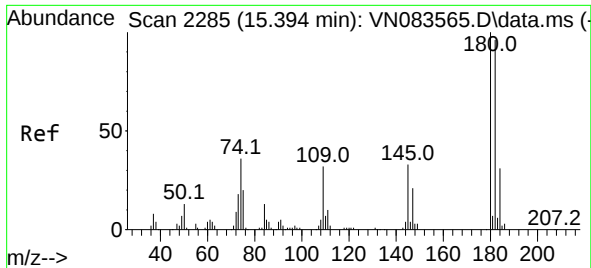
Tgt Ion: 75 Resp: 71968
Ion Ratio Lower Upper
75 100
77 1.1 95.2 285.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.551 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN083723.D
Acq: 09 Sep 2024 17:48

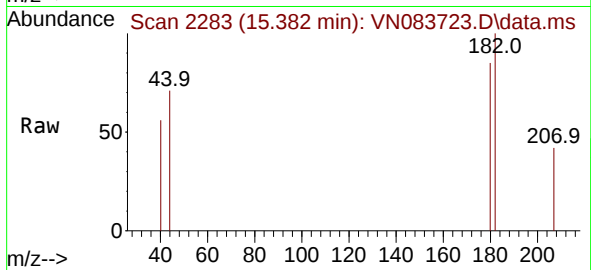
Tgt Ion: 75 Resp: 71968
Ion Ratio Lower Upper
75 100
53 0.0 81.2 121.8#
89 0.0 35.7 53.5#





#93
 1,2,4-Trichlorobenzene
 Concen: 0.233 ug/l
 RT: 15.382 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: VN083723.D
 Acq: 09 Sep 2024 17:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.1	144.3
145	0.0	16.9	50.7#

