

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
 Data File : VN084321.D
 Acq On : 04 Oct 2024 17:56
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:01:42 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Sep 06 23:42:47 2024
 Response via : Initial Calibration

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

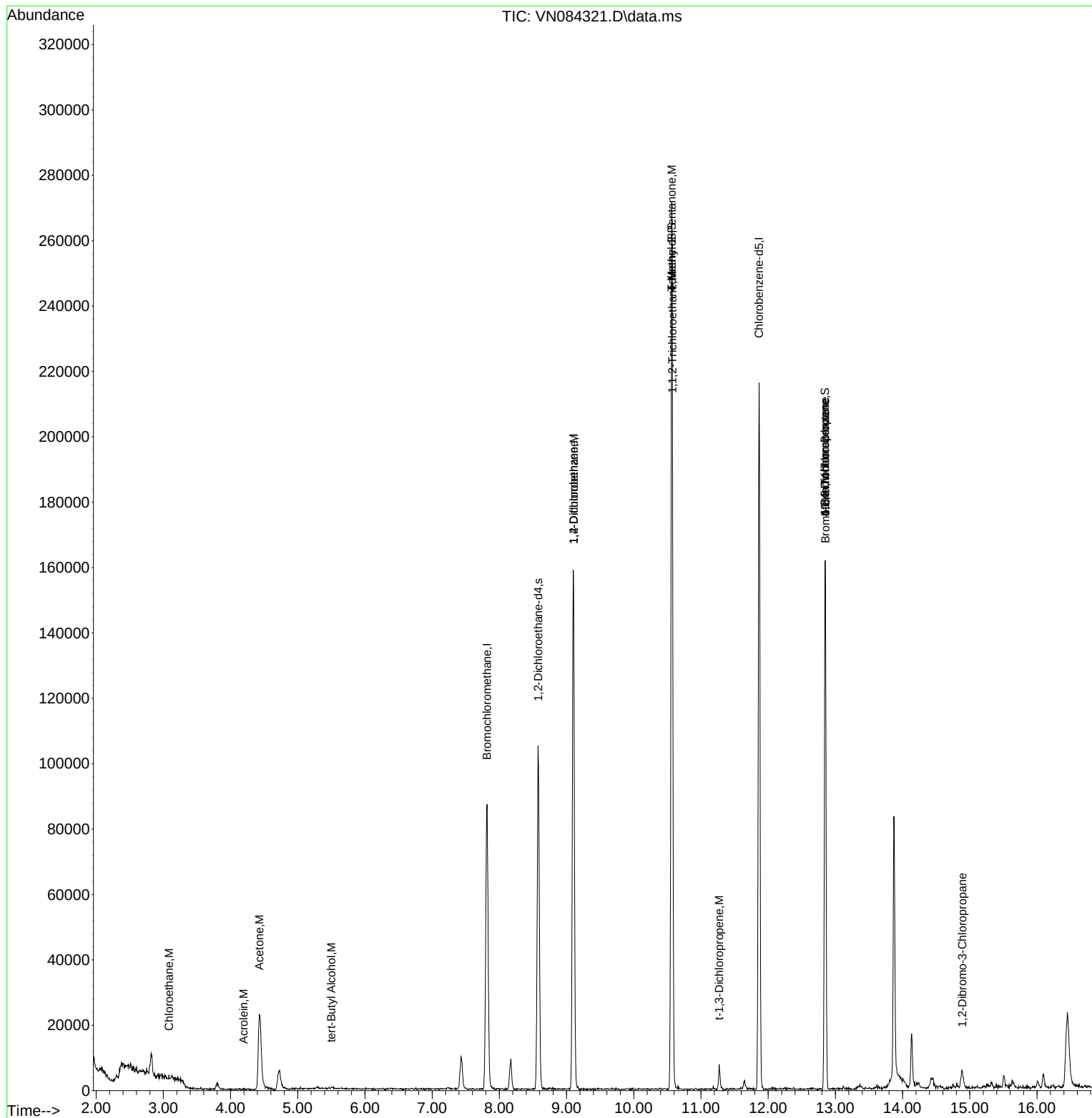
Internal Standards						
1) Bromochloromethane	7.818	128	31040	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	134319	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	122098	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	83901	29.571	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.567%
60) 4-Bromofluorobenzene	12.847	95	58200	27.657	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.200%
63) Toluene-d8	10.565	98	185263	32.769	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	109.233%
Target Compounds						
					Qvalue	
6) Chloroethane	3.083	64	423	0.285	ug/l #	41
13) Acrolein	4.194	56	124	0.365	ug/l #	15
15) Acetone	4.430	58	14883	47.652	ug/l	95
23) tert-Butyl Alcohol	5.500	59	264	0.764	ug/l #	100
36) 1,2-Dichloroethane	9.106	62	5007	2.084	ug/l #	72
48) t-1,3-Dichloropropene	11.270	75	1023	0.407	ug/l #	88
50) 1,1,2-Trichloroethane	10.576	97	6437	4.497	ug/l #	1
56) Bromoform	12.853	173	275	0.252	ug/l #	1
58) 4-Methyl-2-Pentanone	10.565	43	857	0.443	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	30031	16.723	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	30031	39.563	ug/l #	12
88) 1,2-Dibromo-3-Chloropr...	14.888	75	248	0.551	ug/l #	4

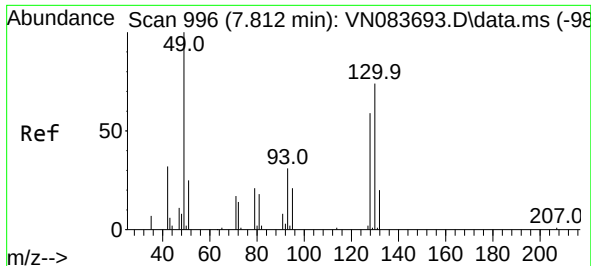
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100424\
Data File : VN084321.D
Acq On : 04 Oct 2024 17:56
Operator : JC\MD
Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

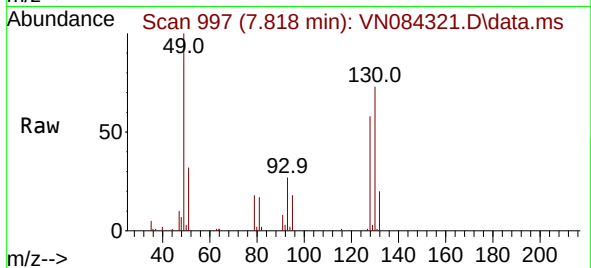
Quant Time: Oct 04 23:01:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 06 23:42:47 2024
Response via : Initial Calibration



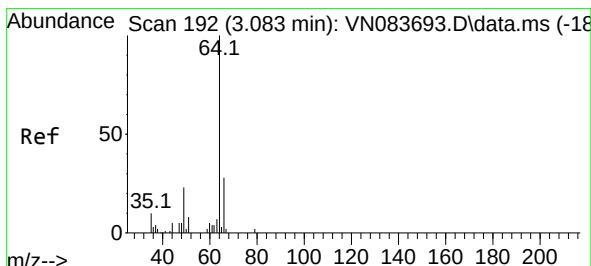
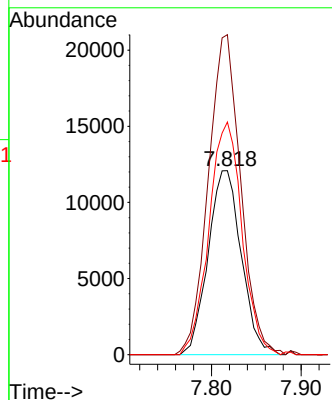
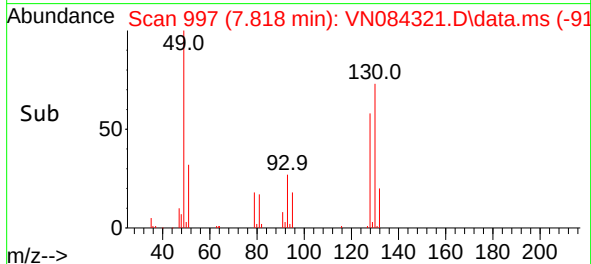


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :

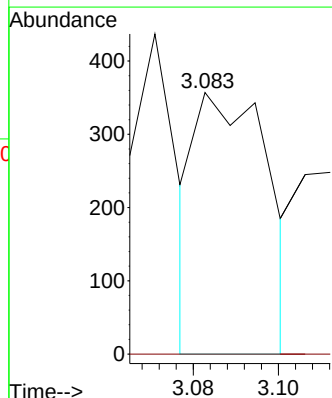
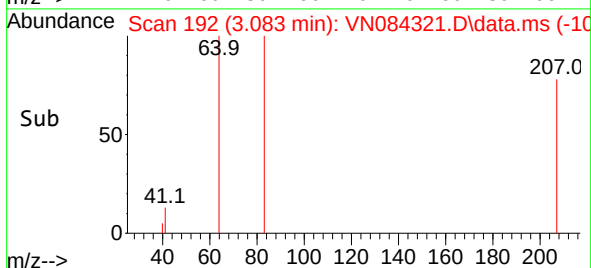
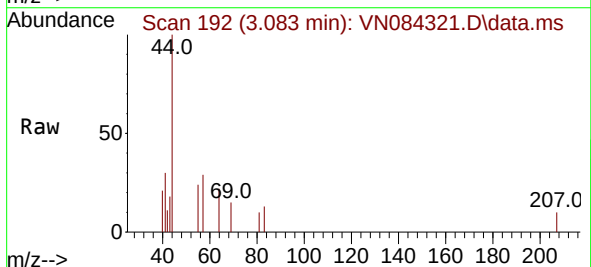


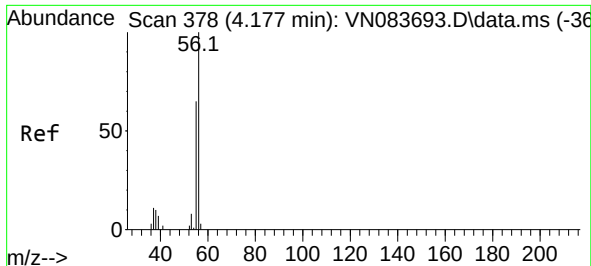
Tgt Ion:128 Resp: 31040
Ion Ratio Lower Upper
128 100
49 169.4 0.0 403.7
130 125.9 0.0 323.3



#6
Chloroethane
Concen: 0.285 ug/l
RT: 3.083 min Scan# 192
Delta R.T. -0.000 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

Tgt Ion: 64 Resp: 423
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#13

Acrolein

Concen: 0.365 ug/l

RT: 4.194 min Scan# 381

Delta R.T. 0.018 min

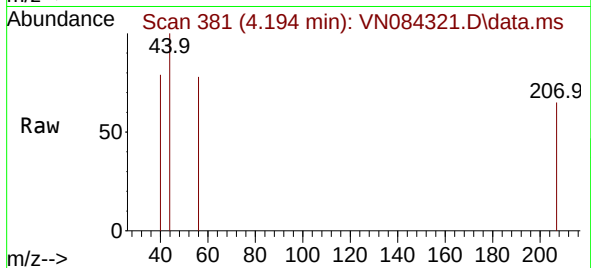
Lab File: VN084321.D

Acq: 04 Oct 2024 17:56

Instrument :

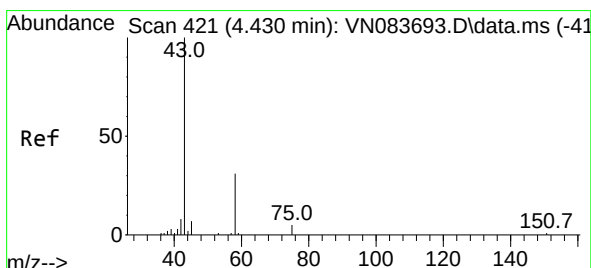
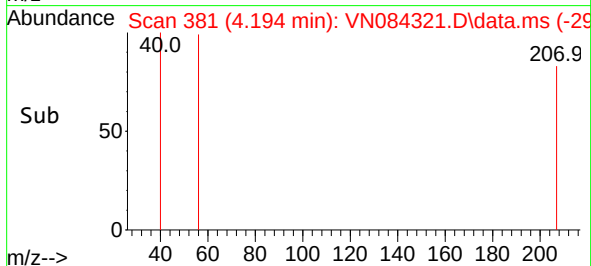
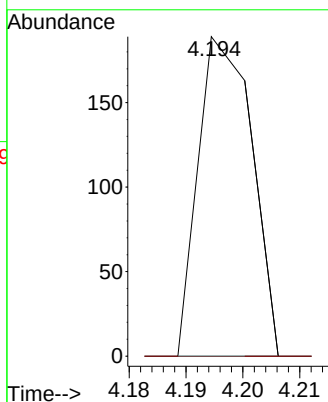
MSVOA_N

ClientSampleId :



Tgt Ion: 56 Resp: 124

Ion	Ratio	Lower	Upper
56	100		
55	0.0	55.5	83.3#



#15

Acetone

Concen: 47.652 ug/l

RT: 4.430 min Scan# 421

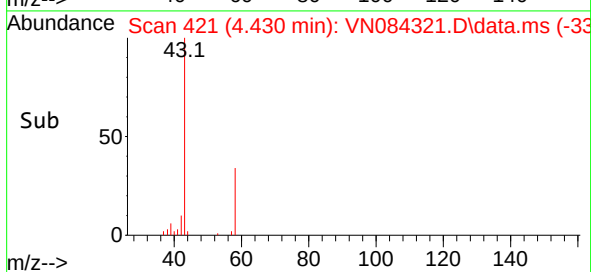
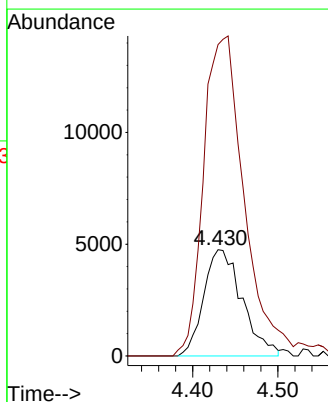
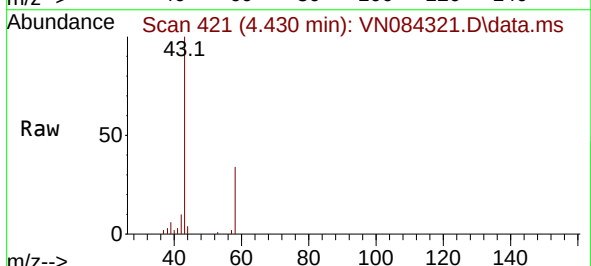
Delta R.T. -0.000 min

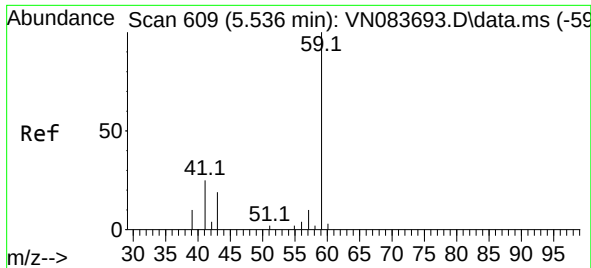
Lab File: VN084321.D

Acq: 04 Oct 2024 17:56

Tgt Ion: 58 Resp: 14883

Ion	Ratio	Lower	Upper
58	100		
43	287.6	223.1	334.7

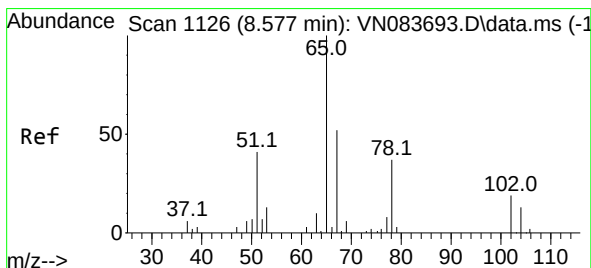
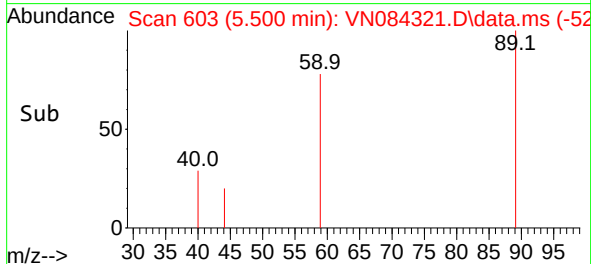
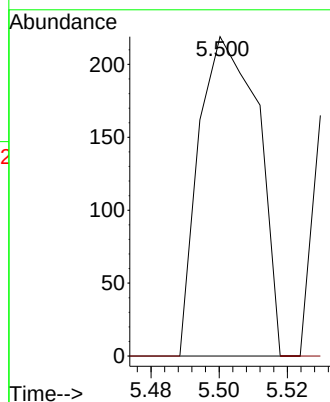
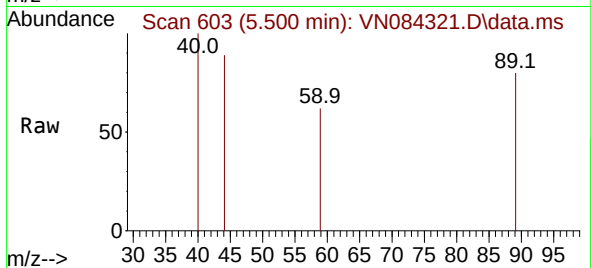




#23
tert-Butyl Alcohol
Concen: 0.764 ug/l
RT: 5.500 min Scan# 609
Delta R.T. -0.035 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

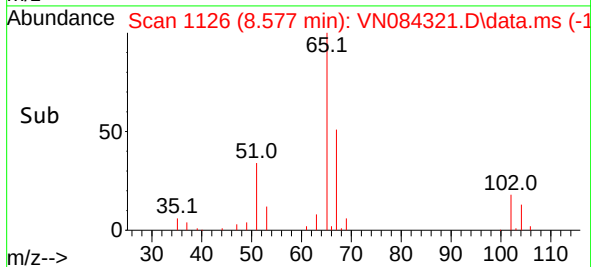
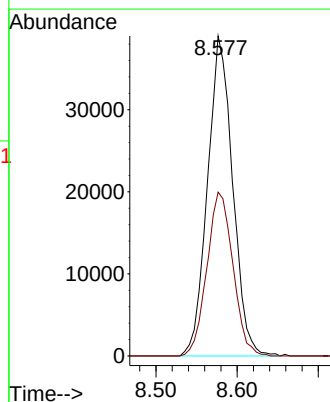
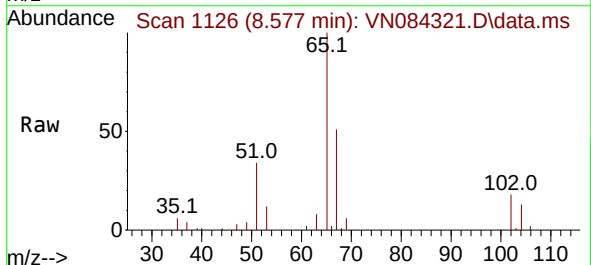
Instrument :
MSVOA_N
ClientSampleId :

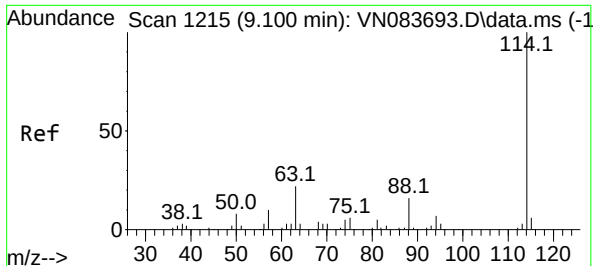
Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 29.571 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

Tgt Ion: 65 Resp: 83901
Ion Ratio Lower Upper
65 100
67 52.9 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.106 min Scan# 1215

Delta R.T. 0.006 min

Lab File: VN084321.D

Acq: 04 Oct 2024 17:56

Instrument :

MSVOA_N

ClientSampleId :

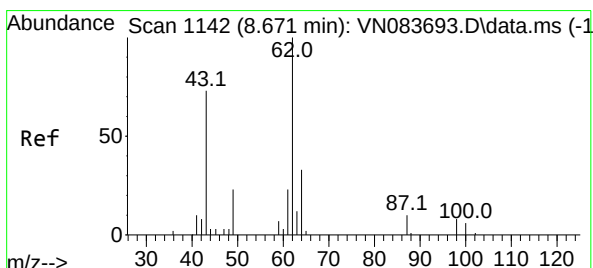
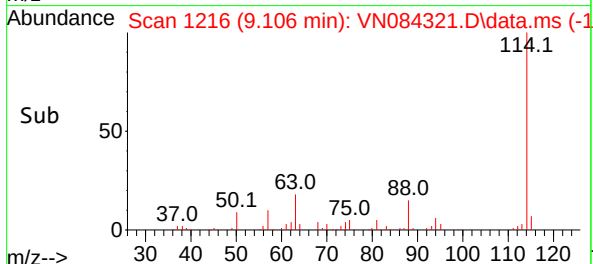
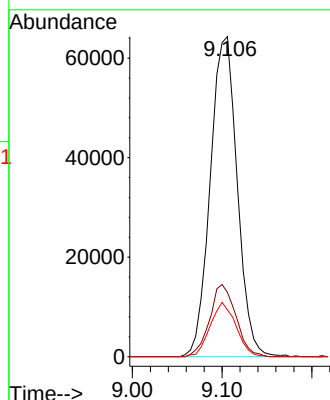
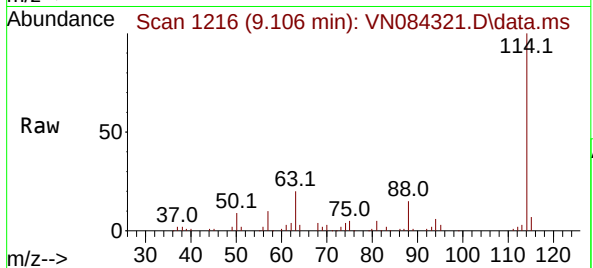
Tgt Ion:114 Resp: 134319

Ion Ratio Lower Upper

114 100

63 21.9 15.9 23.9

88 16.2 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.084 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.435 min

Lab File: VN084321.D

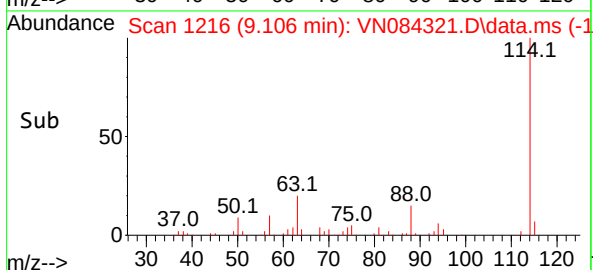
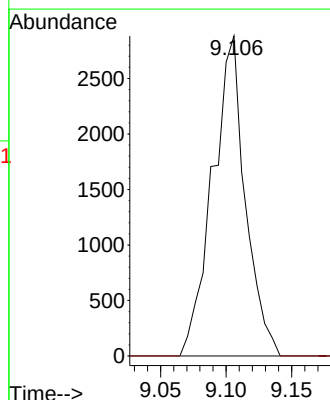
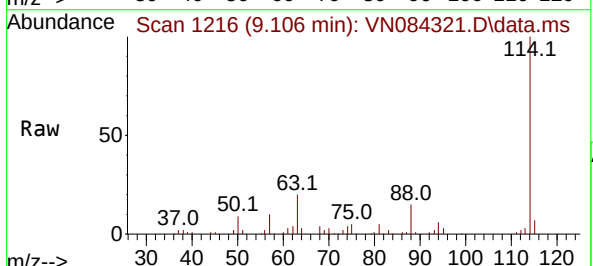
Acq: 04 Oct 2024 17:56

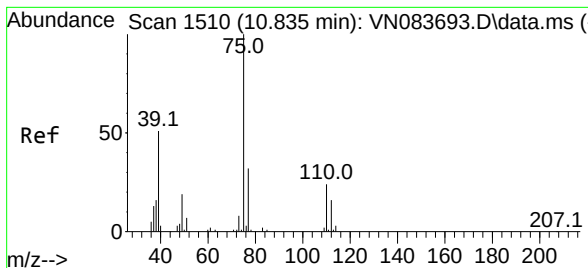
Tgt Ion: 62 Resp: 5007

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

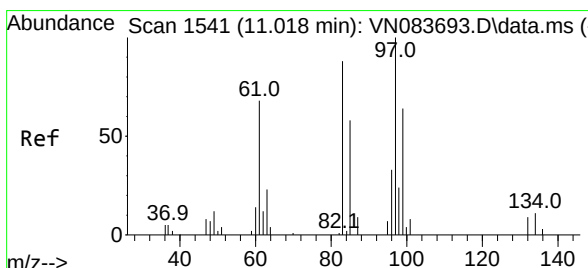
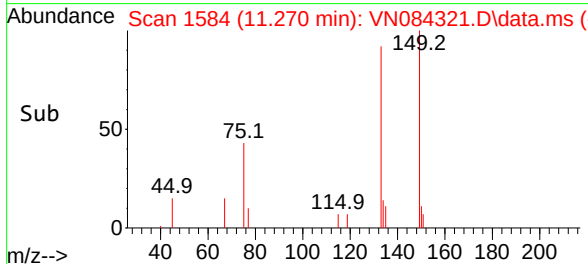
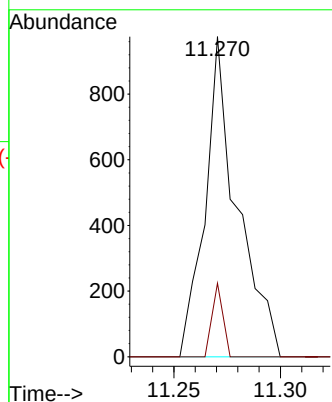
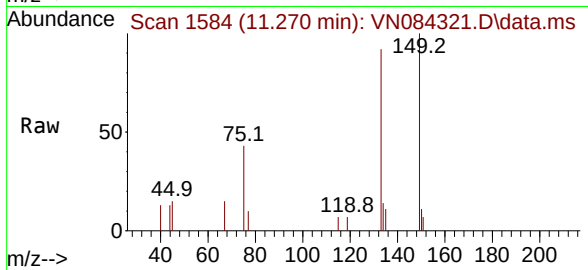




#48
t-1,3-Dichloropropene
Concen: 0.407 ug/l
RT: 11.270 min Scan# 11
Delta R.T. 0.435 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

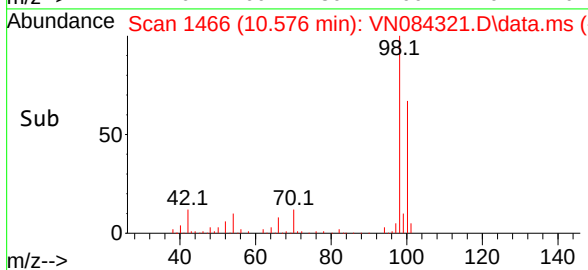
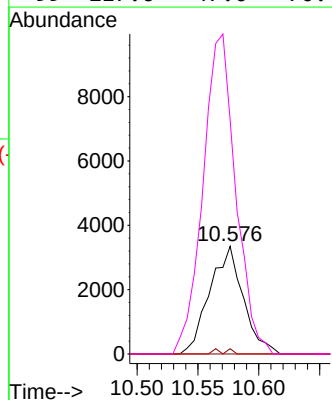
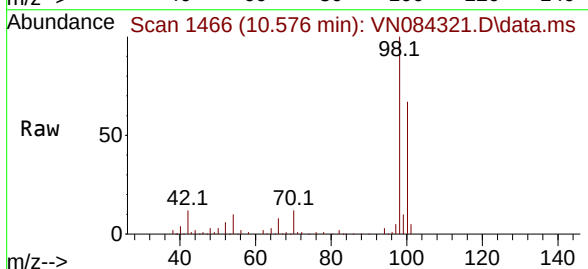
Instrument :
MSVOA_N
ClientSampleId :

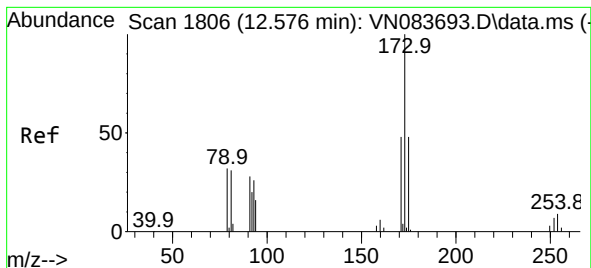
Tgt Ion: 75 Resp: 1023
Ion Ratio Lower Upper
75 100
77 23.0 23.8 35.6#



#50
1,1,2-Trichloroethane
Concen: 4.497 ug/l
RT: 10.576 min Scan# 1466
Delta R.T. -0.441 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

Tgt Ion: 97 Resp: 6437
Ion Ratio Lower Upper
97 100
83 5.0 68.1 102.1#
85 0.0 41.8 62.6#
99 217.6 47.0 70.4#





#56

Bromoform

Concen: 0.252 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.276 min

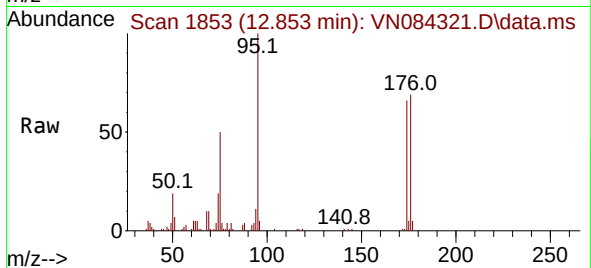
Lab File: VN084321.D

Acq: 04 Oct 2024 17:56

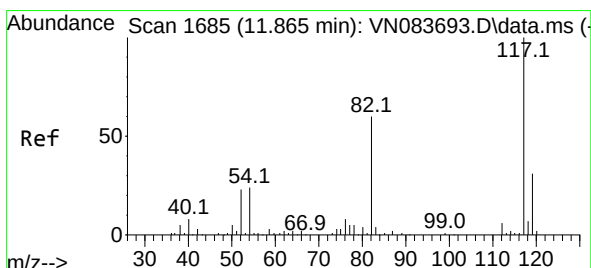
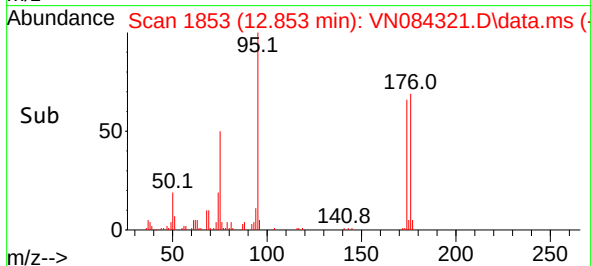
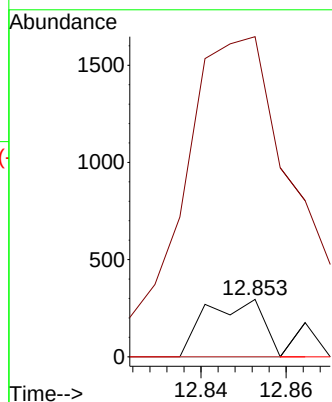
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	275
Ion Ratio	Lower	Upper	
173	100		
175	1069.5	40.0	60.0#
254	0.0	8.3	12.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

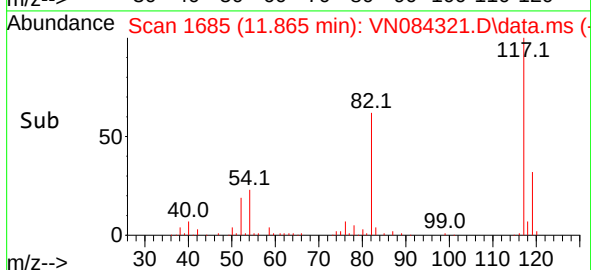
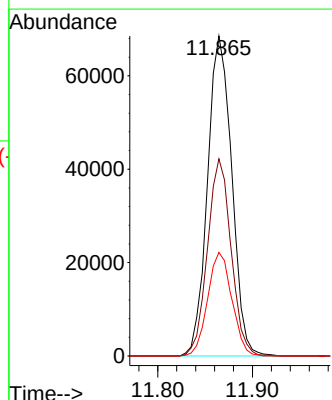
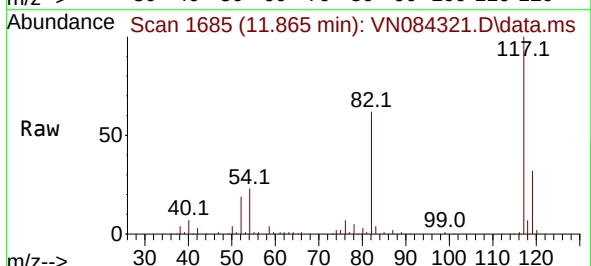
RT: 11.865 min Scan# 1685

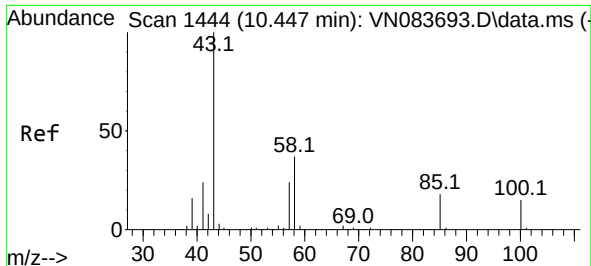
Delta R.T. -0.000 min

Lab File: VN084321.D

Acq: 04 Oct 2024 17:56

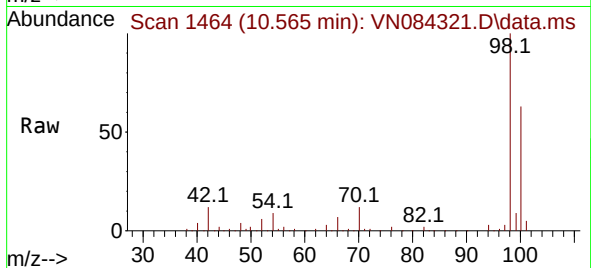
Tgt Ion:	117	Resp:	122098
Ion Ratio	Lower	Upper	
117	100		
82	59.9	46.6	69.8
119	32.3	25.4	38.2



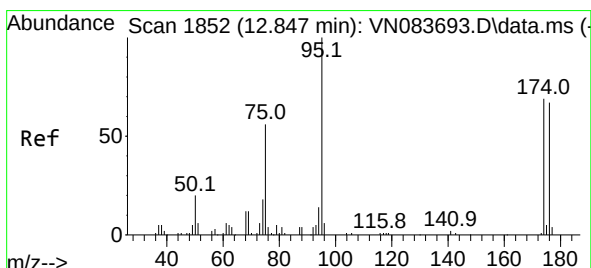
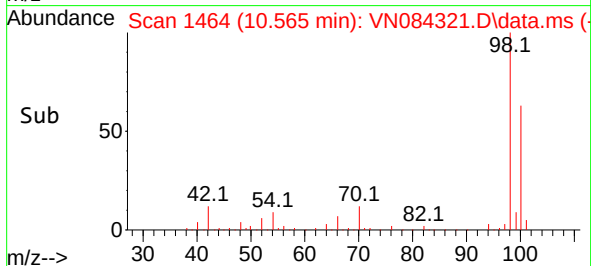
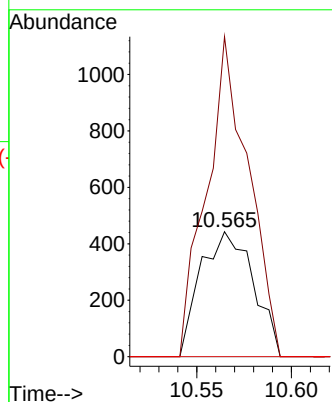


#58
4-Methyl-2-Pentanone
Concen: 0.443 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :

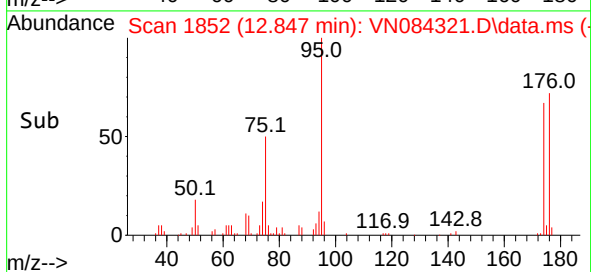
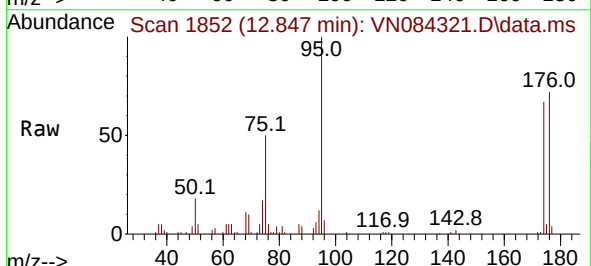
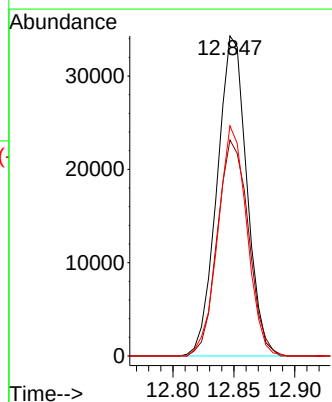


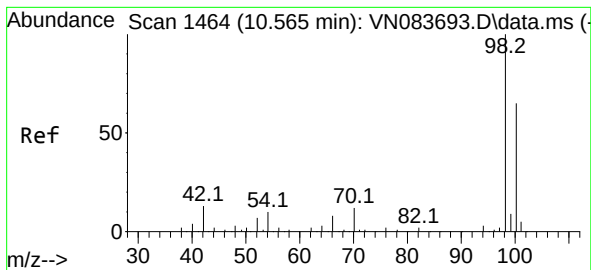
Tgt Ion: 43 Resp: 857
Ion Ratio Lower Upper
43 100
58 204.2 36.5 54.7#
85 0.0 19.5 29.3#



#60
4-Bromofluorobenzene
Concen: 27.657 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

Tgt Ion: 95 Resp: 58200
Ion Ratio Lower Upper
95 100
174 71.0 60.5 90.7
176 70.1 57.8 86.6





#63

Toluene-d8

Concen: 32.769 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084321.D

Acq: 04 Oct 2024 17:56

Instrument :

MSVOA_N

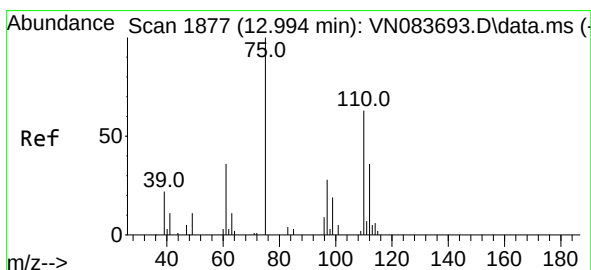
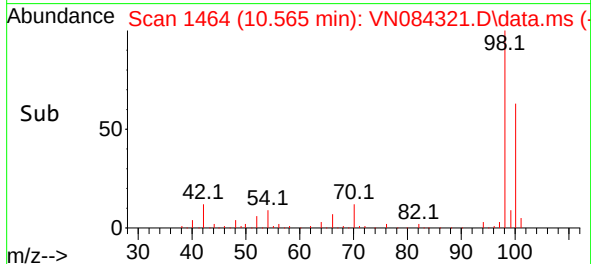
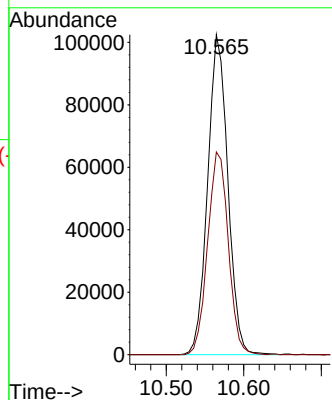
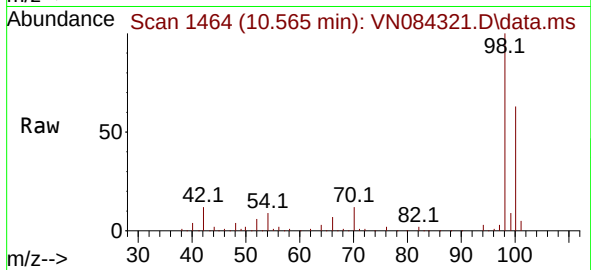
ClientSampleId :

Tgt Ion: 98 Resp: 185263

Ion Ratio Lower Upper

98 100

100 64.8 52.7 79.1



#72

1,2,3-Trichloropropane

Concen: 16.723 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN084321.D

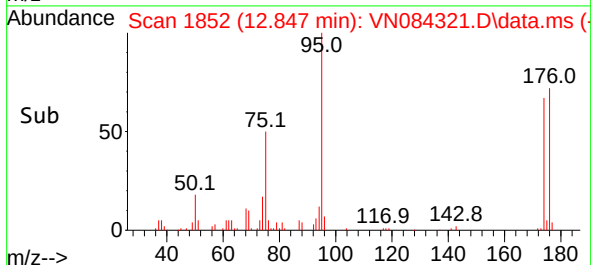
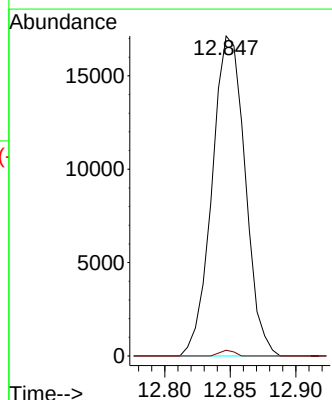
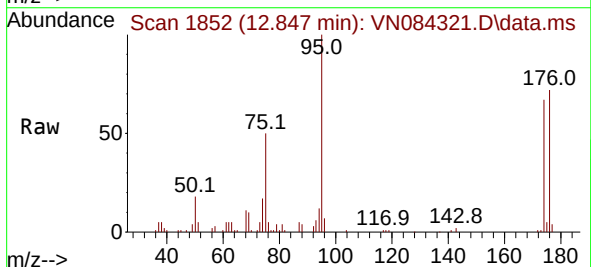
Acq: 04 Oct 2024 17:56

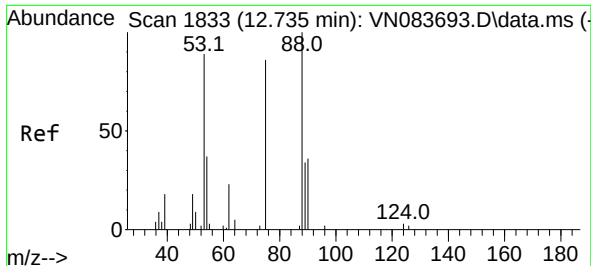
Tgt Ion: 75 Resp: 30031

Ion Ratio Lower Upper

75 100

77 0.8 0.0 367.6

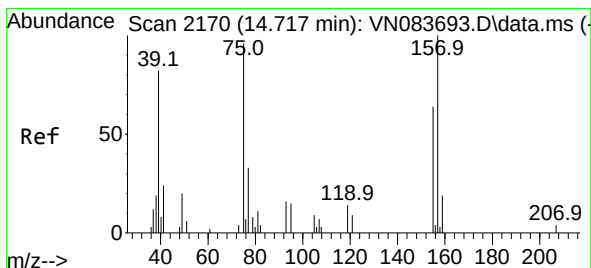
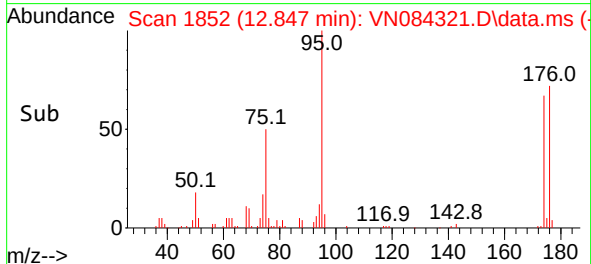
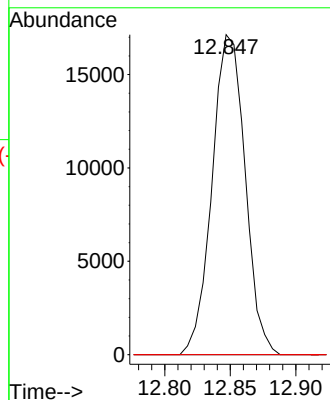
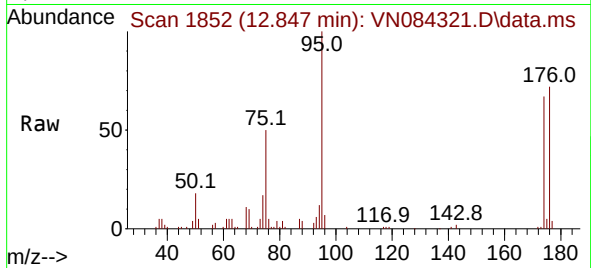




#77
t-1,4-Dichloro-2-butene
Concen: 39.563 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 30031
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#



#88
1,2-Dibromo-3-Chloropropane
Concen: 0.551 ug/l
RT: 14.888 min Scan# 2199
Delta R.T. 0.171 min
Lab File: VN084321.D
Acq: 04 Oct 2024 17:56

Tgt Ion: 75 Resp: 248
Ion Ratio Lower Upper
75 100
155 0.0 61.7 92.5#
157 0.0 83.6 125.4#

