

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084187.D
 Acq On : 26 Sep 2024 19:28
 Operator : JC\MD
 Sample : P4165-03 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:14:17 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)

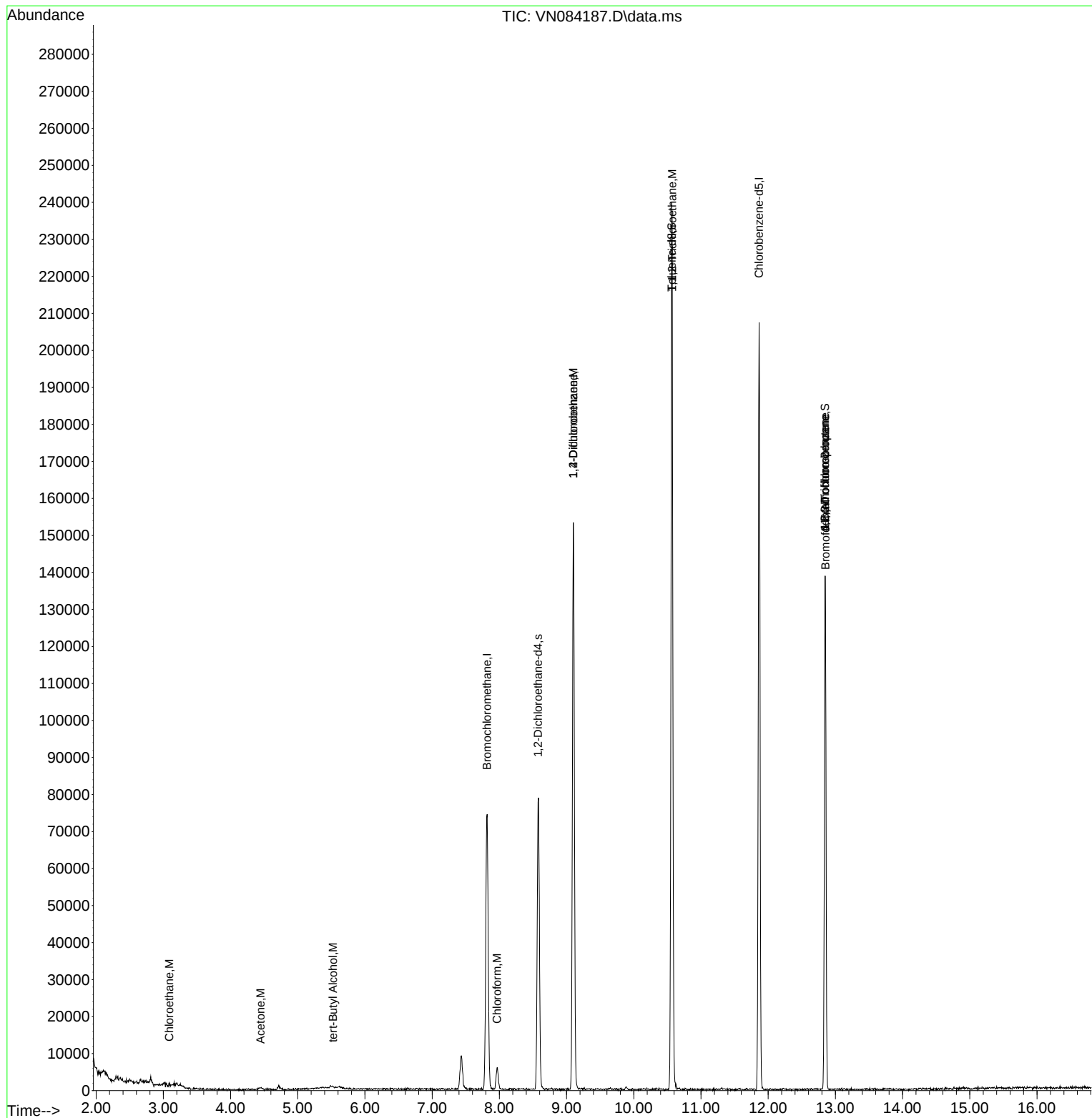
Internal Standards						
1) Bromochloromethane	7.818	128	26009	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	125493	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	119348	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	66270	27.875	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.900%
60) 4-Bromofluorobenzene	12.847	95	47206	22.950	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	76.500%
63) Toluene-d8	10.565	98	162598	29.423	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.067%
Target Compounds						
					Qvalue	
6) Chloroethane	3.089	64	507	0.407	ug/l #	41
15) Acetone	4.447	58	57	0.218	ug/l #	1
23) tert-Butyl Alcohol	5.524	59	119	0.411	ug/l #	100
25) Chloroform	7.965	83	5849	1.689	ug/l #	75
36) 1,2-Dichloroethane	9.100	62	5136	2.288	ug/l #	72
50) 1,1,2-Trichloroethane	10.571	97	5434	4.063	ug/l #	1
56) Bromoform	12.853	173	480	0.471	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	26350	15.011	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.847	75	26350	35.513	ug/l #	12

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

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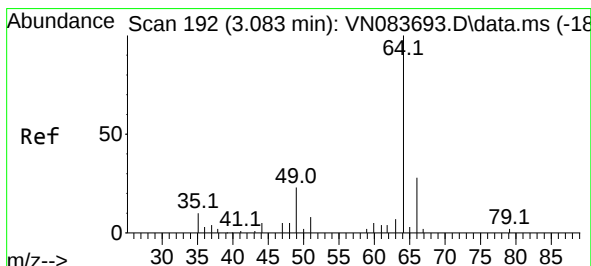
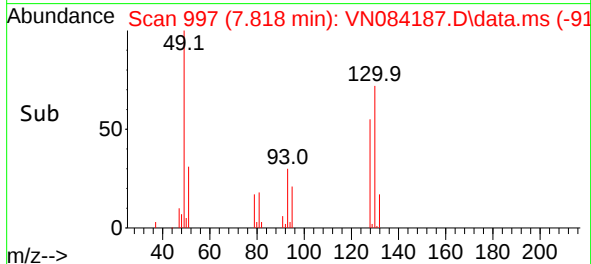
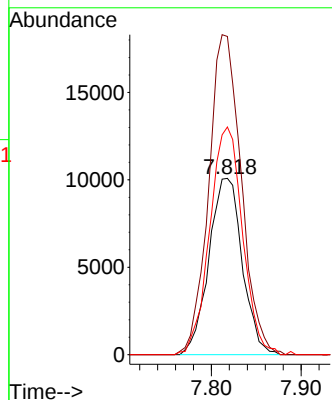
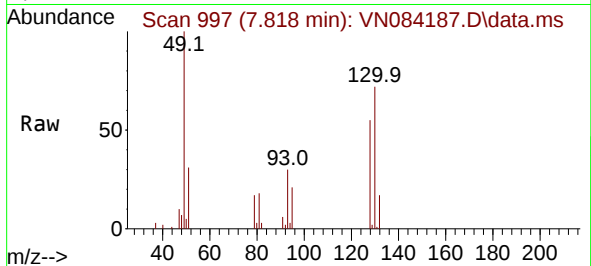




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN084187.D
Acq: 26 Sep 2024 19:28

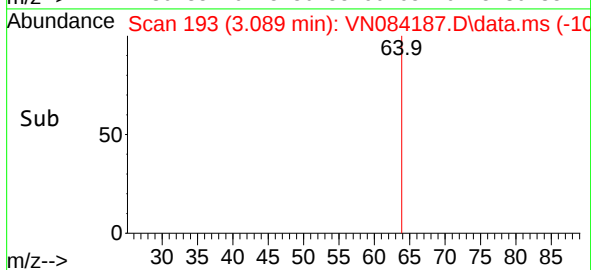
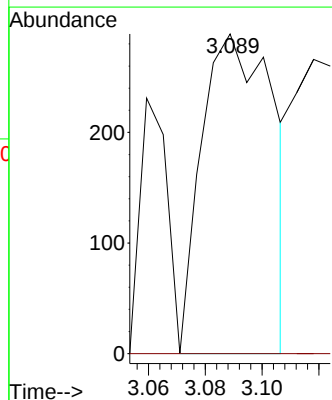
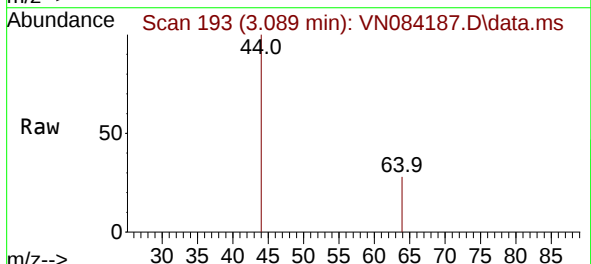
Instrument :
MSVOA_N
ClientSampleId :

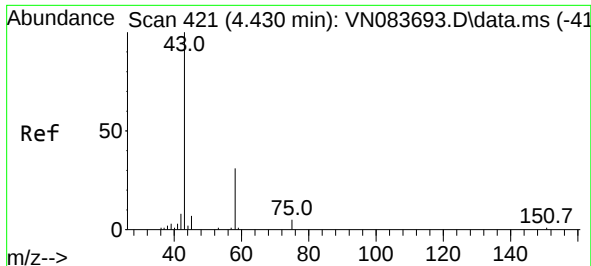
Tgt Ion:128 Resp: 26009
Ion Ratio Lower Upper
128 100
49 177.4 0.0 403.7
130 127.0 0.0 323.3



#6
Chloroethane
Concen: 0.407 ug/l
RT: 3.089 min Scan# 193
Delta R.T. 0.006 min
Lab File: VN084187.D
Acq: 26 Sep 2024 19:28

Tgt Ion: 64 Resp: 507
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#15

Acetone

Concen: 0.218 ug/l

RT: 4.447 min Scan# 41

Delta R.T. 0.018 min

Lab File: VN084187.D

Acq: 26 Sep 2024 19:28

Instrument :

MSVOA_N

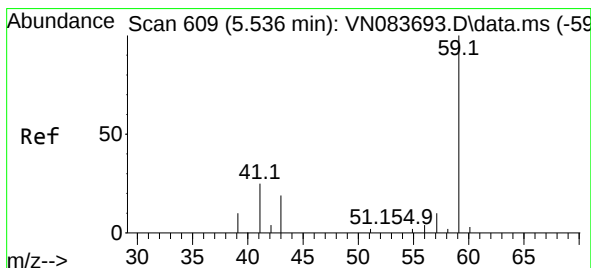
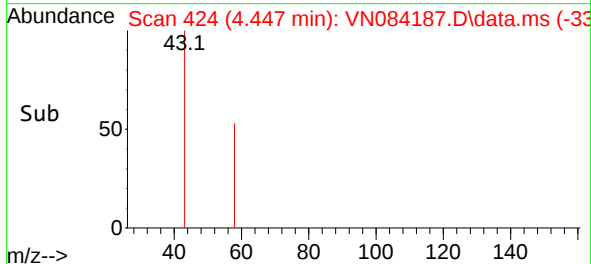
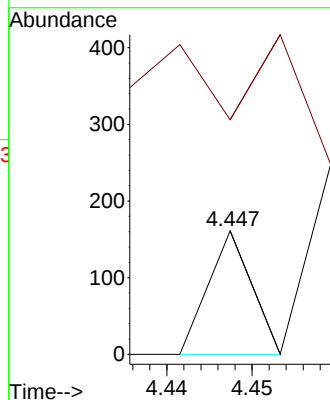
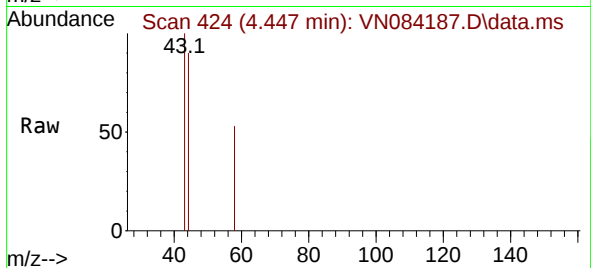
ClientSampleId :

Tgt Ion: 58 Resp: 57

Ion Ratio Lower Upper

58 100

43 0.0 223.1 334.7#



#23

tert-Butyl Alcohol

Concen: 0.411 ug/l

RT: 5.524 min Scan# 607

Delta R.T. -0.012 min

Lab File: VN084187.D

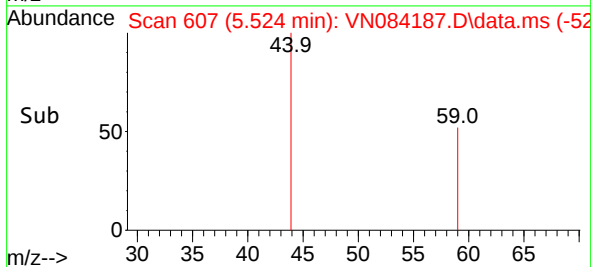
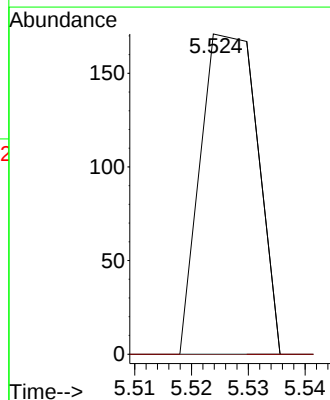
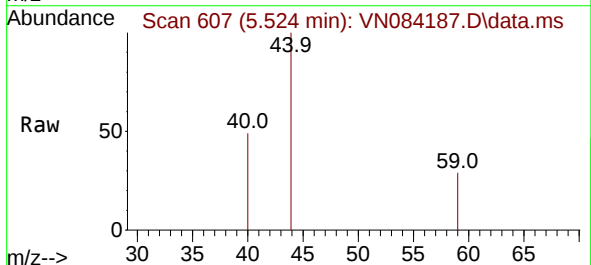
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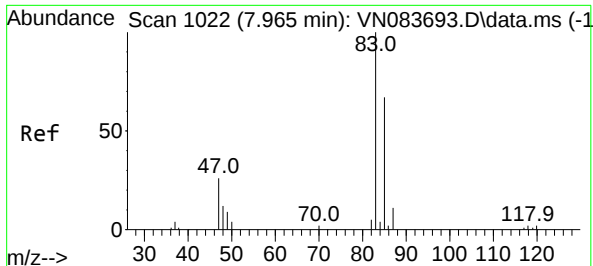
Tgt Ion: 59 Resp: 119

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

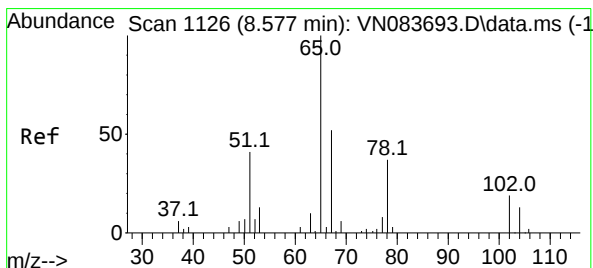
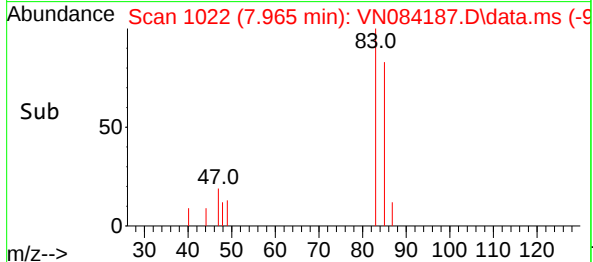
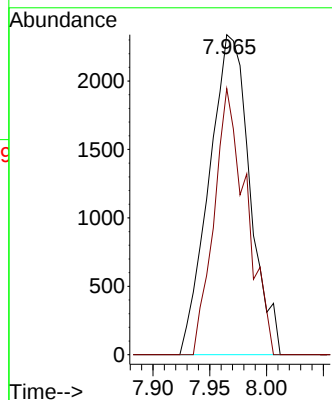
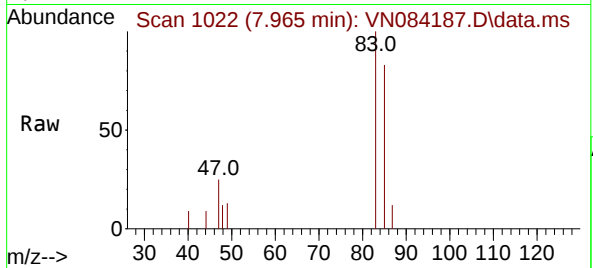




#25
Chloroform
Concen: 1.689 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084187.D
Acq: 26 Sep 2024 19:28

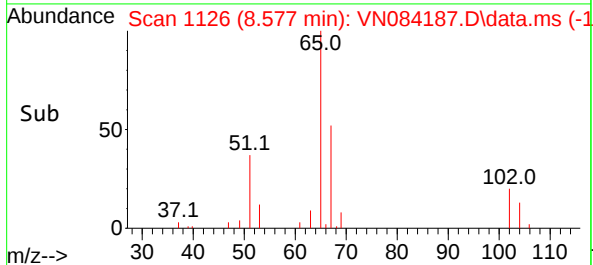
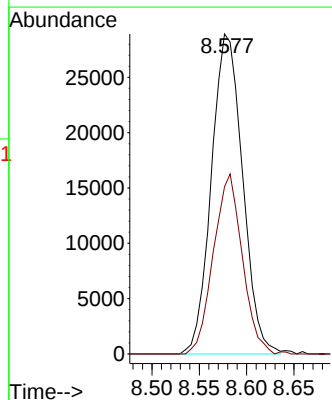
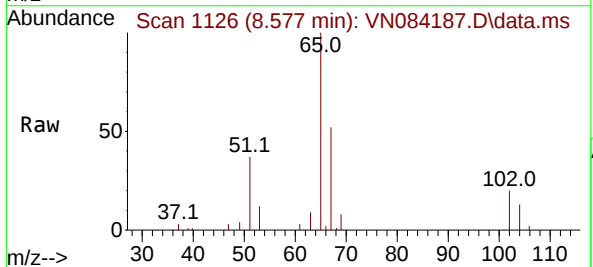
Instrument :
MSVOA_N
ClientSampleId :

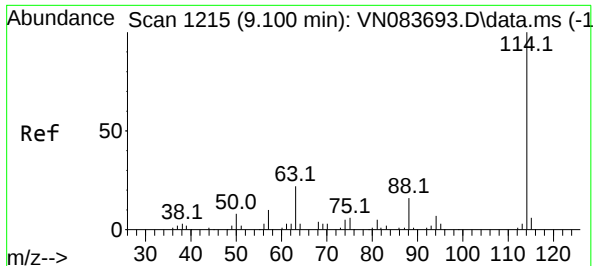
Tgt Ion: 83 Resp: 5849
Ion Ratio Lower Upper
83 100
85 83.2 50.9 76.3#



#27
1,2-Dichloroethane-d4
Concen: 27.875 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084187.D
Acq: 26 Sep 2024 19:28

Tgt Ion: 65 Resp: 66270
Ion Ratio Lower Upper
65 100
67 52.0 43.2 64.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN084187.D

Acq: 26 Sep 2024 19:28

Instrument :

MSVOA_N

ClientSampleId :

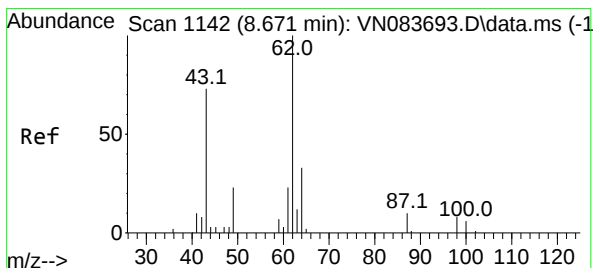
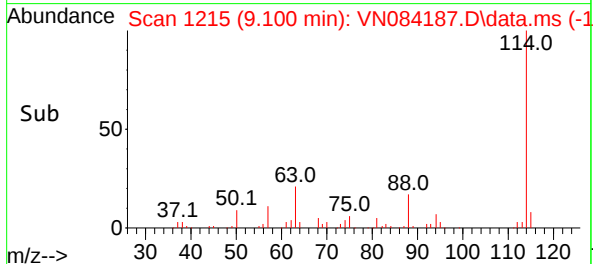
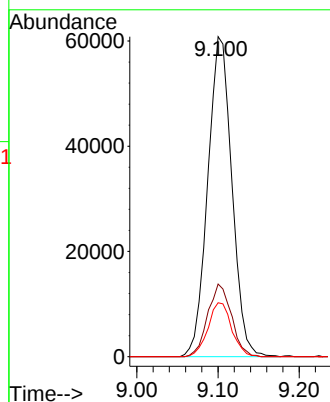
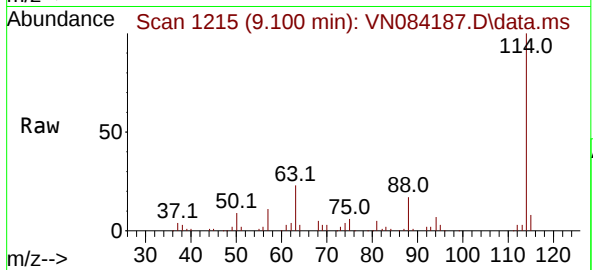
Tgt Ion:114 Resp: 125493

Ion Ratio Lower Upper

114 100

63 22.3 15.9 23.9

88 16.6 12.7 19.1



#36

1,2-Dichloroethane

Concen: 2.288 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.429 min

Lab File: VN084187.D

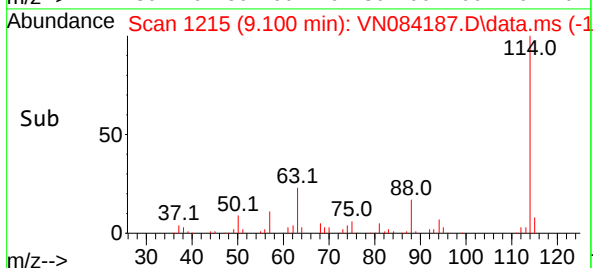
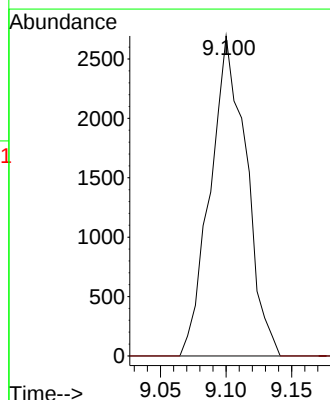
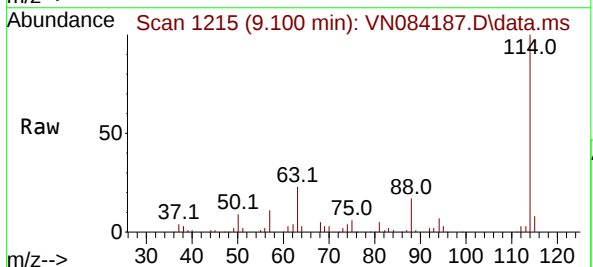
Acq: 26 Sep 2024 19:28

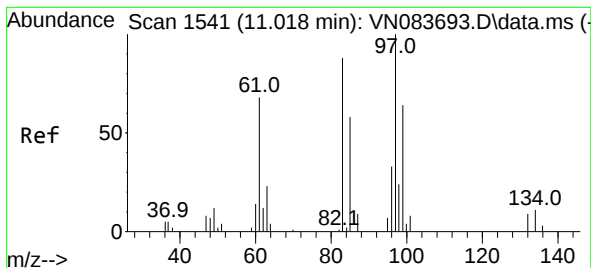
Tgt Ion: 62 Resp: 5136

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#

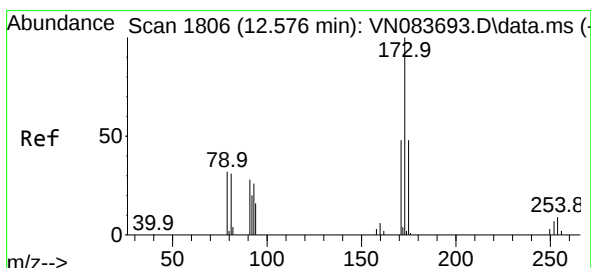
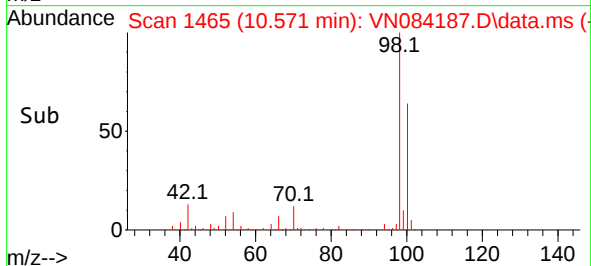
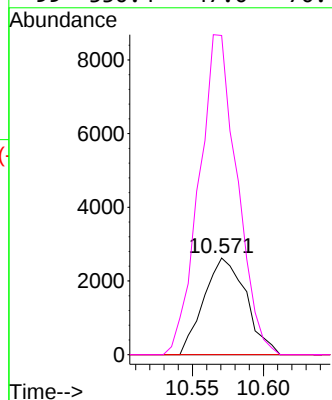
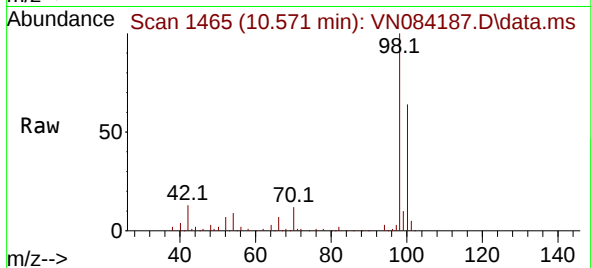




#50
1,1,2-Trichloroethane
Concen: 4.063 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.447 min
Lab File: VN084187.D
Acq: 26 Sep 2024 19:28

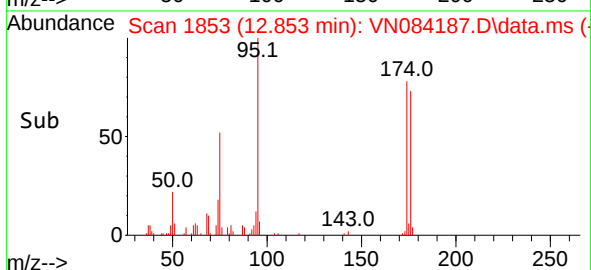
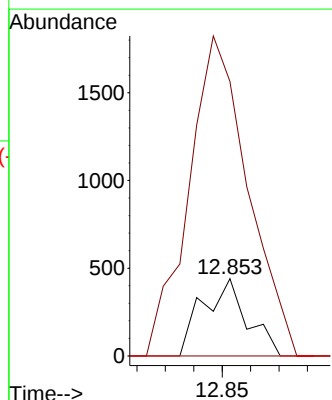
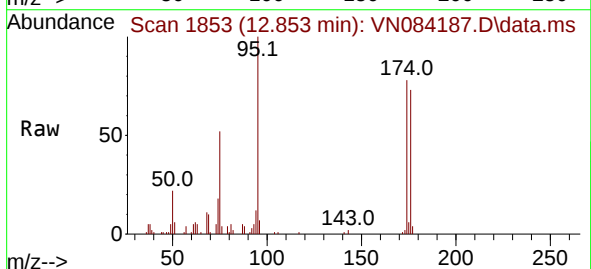
Instrument :
MSVOA_N
ClientSampleId :

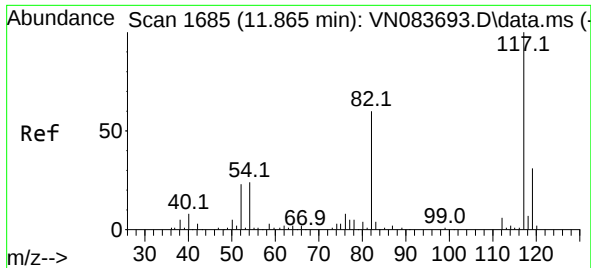
Tgt Ion: 97 Resp: 5434
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 41.8 62.6#
99 330.4 47.0 70.4#



#56
Bromoform
Concen: 0.471 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.276 min
Lab File: VN084187.D
Acq: 26 Sep 2024 19:28

Tgt Ion:173 Resp: 480
Ion Ratio Lower Upper
173 100
175 551.7 40.0 60.0#
254 0.0 8.3 12.5#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 117

Delta R.T. -0.000 min

Lab File: VN084187.D

Acq: 26 Sep 2024 19:28

Instrument :

MSVOA_N

ClientSampleId :

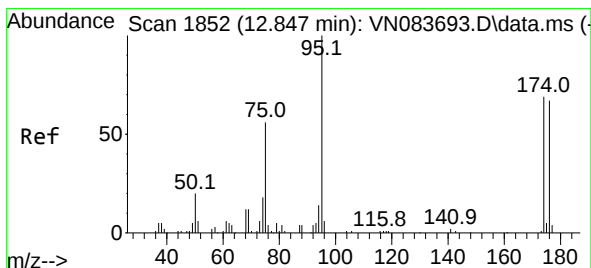
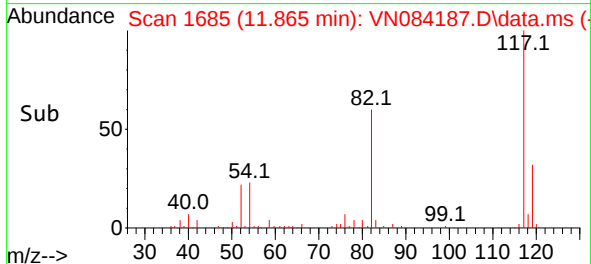
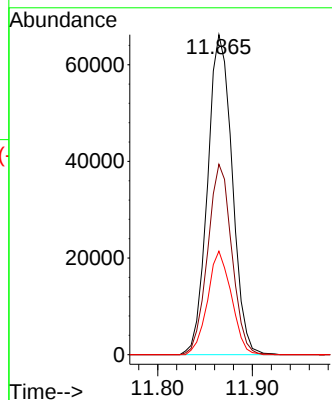
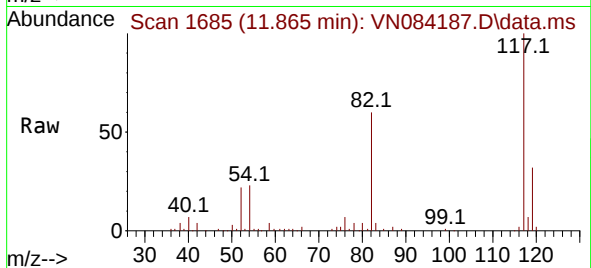
Tgt Ion:117 Resp: 119348

Ion Ratio Lower Upper

117 100

82 58.5 46.6 69.8

119 31.4 25.4 38.2



#60

4-Bromofluorobenzene

Concen: 22.950 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084187.D

Acq: 26 Sep 2024 19:28

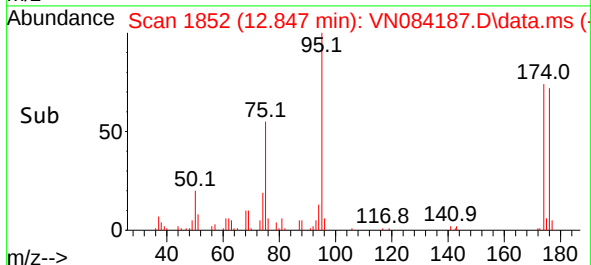
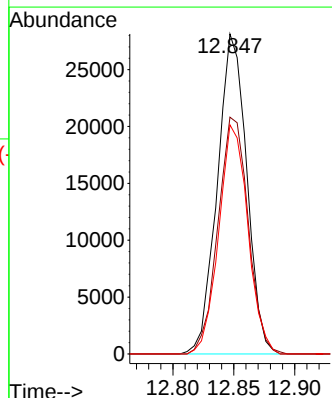
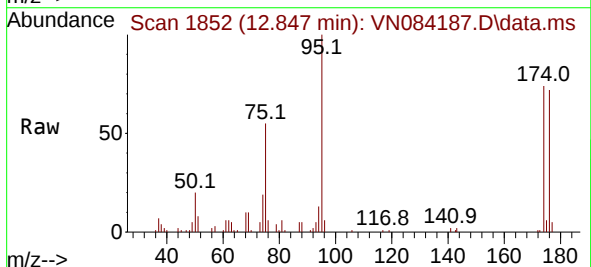
Tgt Ion: 95 Resp: 47206

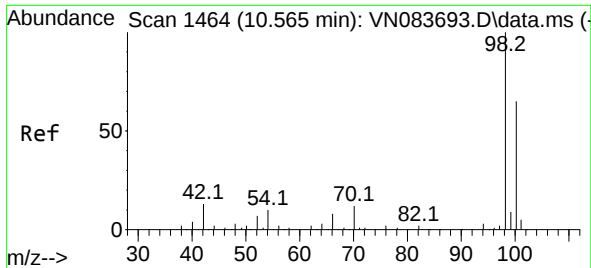
Ion Ratio Lower Upper

95 100

174 76.3 60.5 90.7

176 71.0 57.8 86.6

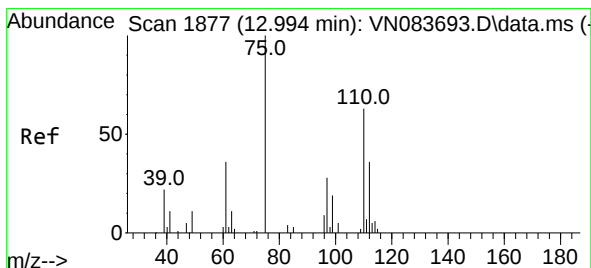
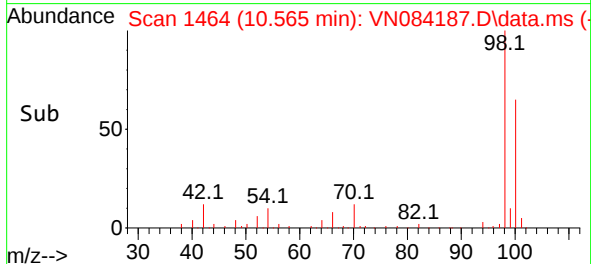
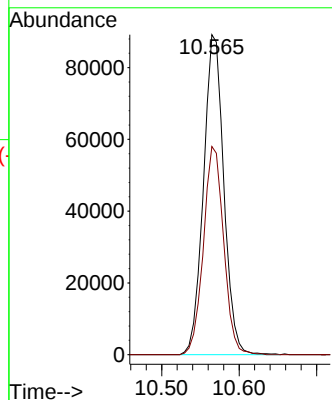
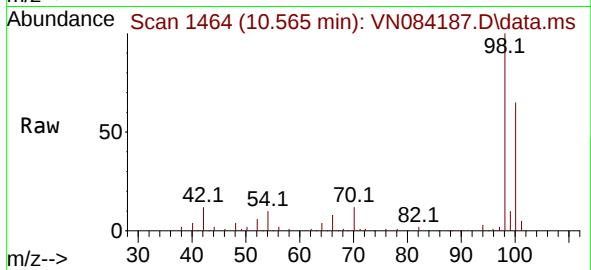




#63
Toluene-d8
Concen: 29.423 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084187.D
Acq: 26 Sep 2024 19:28

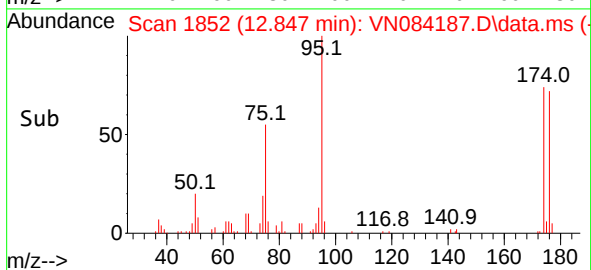
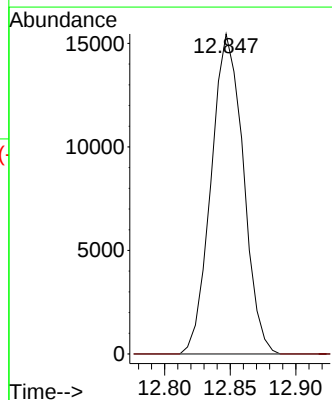
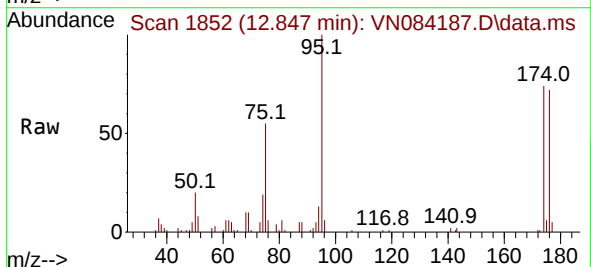
Instrument :
MSVOA_N
ClientSampleId :

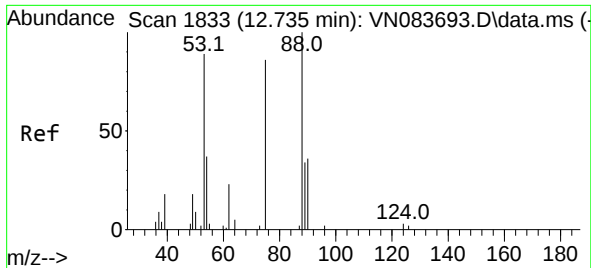
Tgt Ion: 98 Resp: 162598
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1



#72
1,2,3-Trichloropropane
Concen: 15.011 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084187.D
Acq: 26 Sep 2024 19:28

Tgt Ion: 75 Resp: 26350
Ion Ratio Lower Upper
75 100
77 0.0 0.0 367.6





#77

t-1,4-Dichloro-2-butene

Concen: 35.513 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.112 min

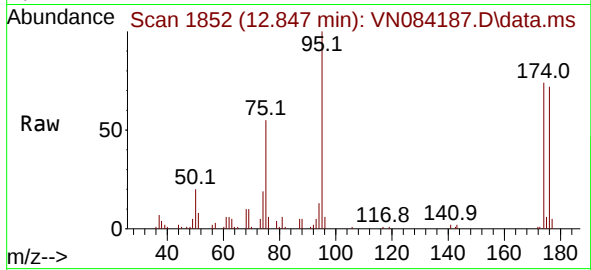
Lab File: VN084187.D

Acq: 26 Sep 2024 19:28

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 75 Resp: 26350

Ion Ratio Lower Upper

75 100

53 0.0 45.9 137.7#

89 0.0 25.9 77.7#

