

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084177.D
 Acq On : 26 Sep 2024 15:18
 Operator : JC\MD
 Sample : VN0926WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 27 01:10:19 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)

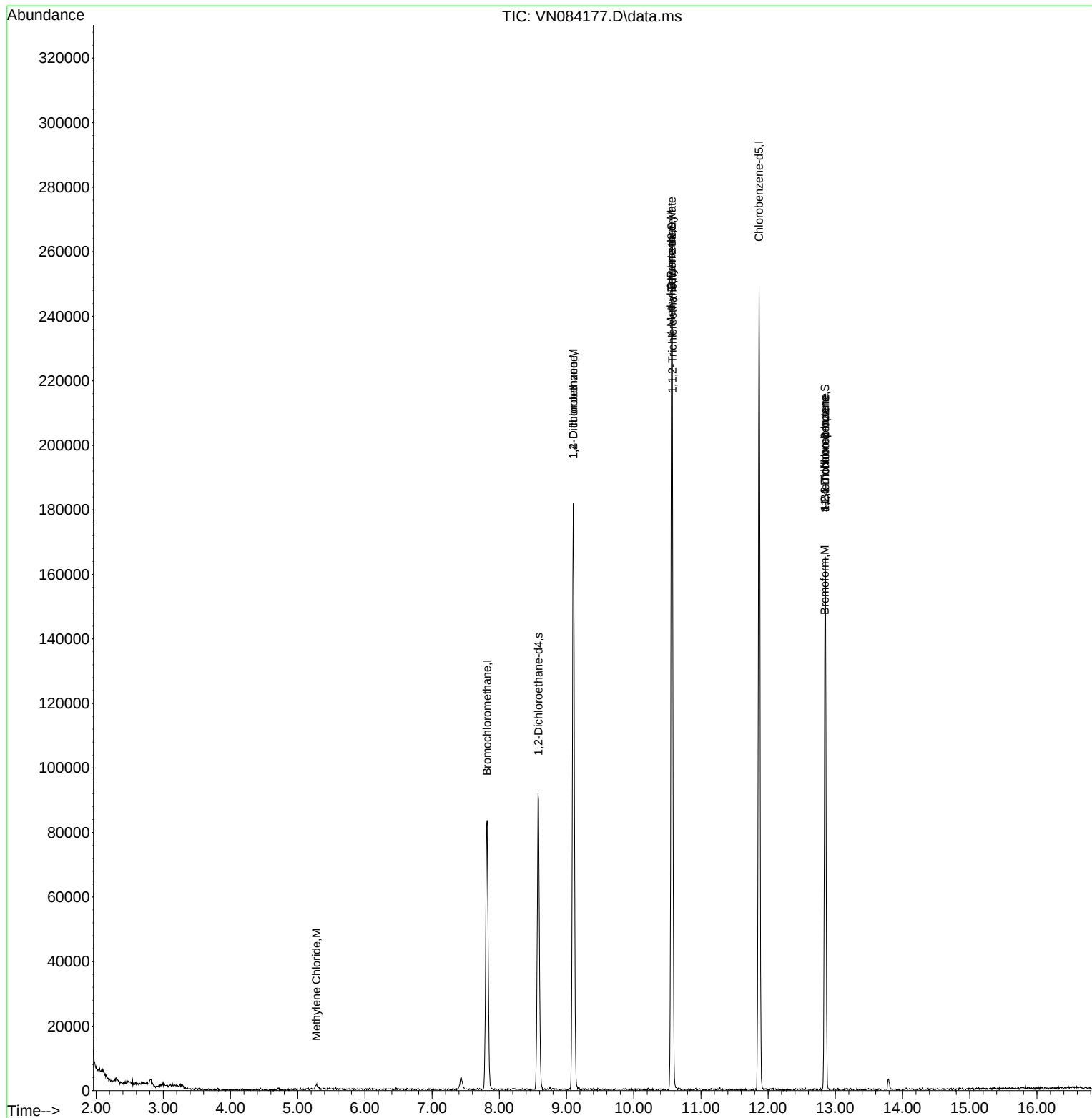
Internal Standards						
1) Bromochloromethane	7.818	128	28599	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	150635	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	138663	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	75236	28.780	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.933%
60) 4-Bromofluorobenzene	12.847	95	59055	24.711	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.367%
63) Toluene-d8	10.565	98	188509	29.360	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.867%
Target Compounds						
					Qvalue	
18) Methylene Chloride	5.277	84	688	0.354	ug/l #	14
36) 1,2-Dichloroethane	9.100	62	5621	2.086	ug/l #	72
50) 1,1,2-Trichloroethane	10.577	97	6057	3.773	ug/l #	1
51) Ethyl methacrylate	10.565	69	637	0.232	ug/l #	62
56) Bromoform	12.841	173	371	0.303	ug/l #	1
58) 4-Methyl-2-Pentanone	10.559	43	555	0.252	ug/l #	1
72) 1,2,3-Trichloropropane	12.847	75	31638	15.513	ug/l	1
77) t-1,4-Dichloro-2-butene	12.847	75	31638	36.701	ug/l #	12

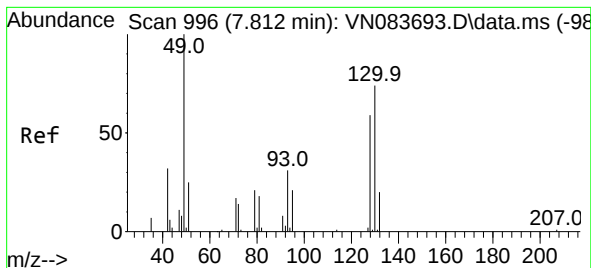
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
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MSVOA_N
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Quant Time: Sep 27 01:10:19 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

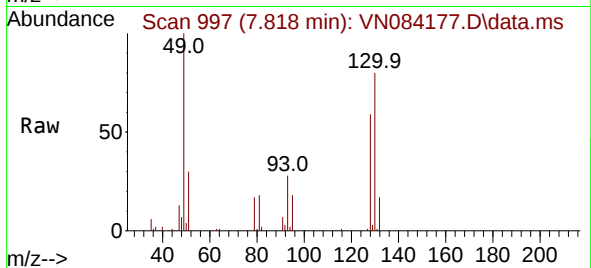
Lab File: VN084177.D

Acq: 26 Sep 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :



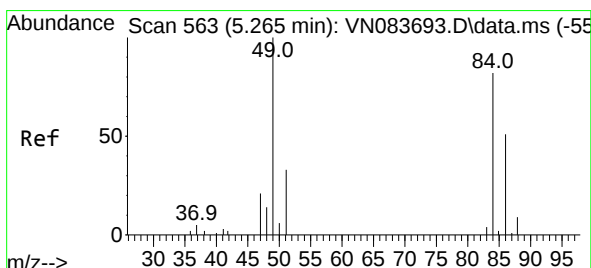
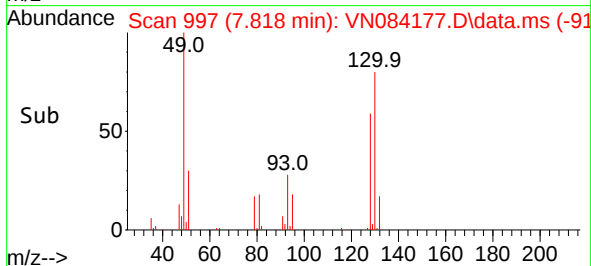
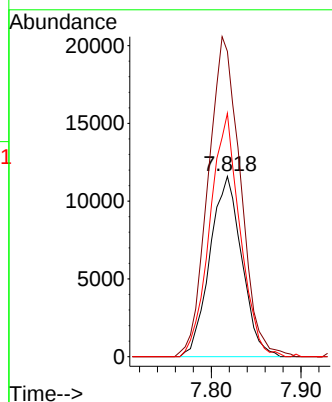
Tgt Ion:128 Resp: 28599

Ion Ratio Lower Upper

128 100

49 180.2 0.0 403.7

130 127.5 0.0 323.3



#18

Methylene Chloride

Concen: 0.354 ug/l

RT: 5.277 min Scan# 565

Delta R.T. 0.012 min

Lab File: VN084177.D

Acq: 26 Sep 2024 15:18

Tgt Ion: 84 Resp: 688

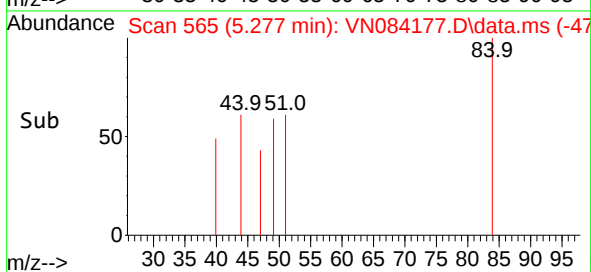
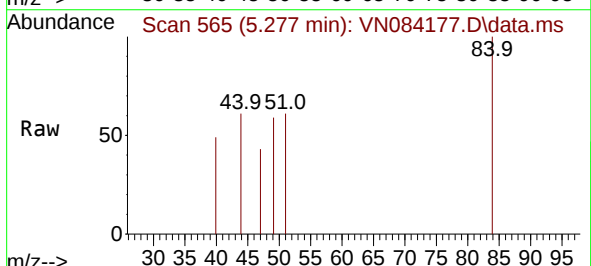
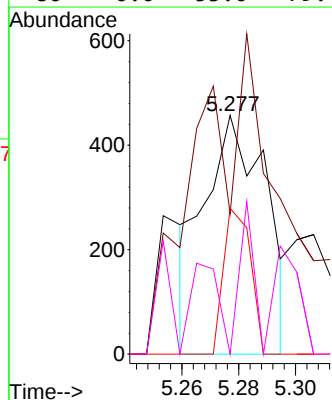
Ion Ratio Lower Upper

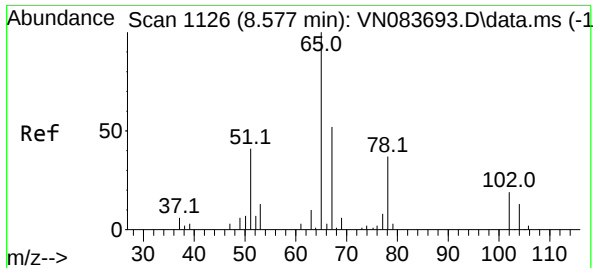
84 100

49 23.6 86.0 129.0#

51 101.5 30.0 45.0#

86 0.0 53.0 79.4#

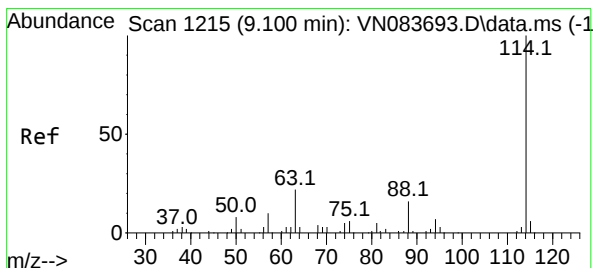
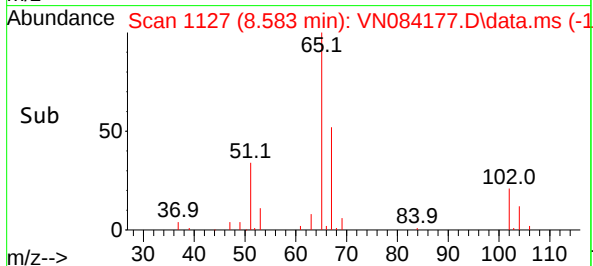
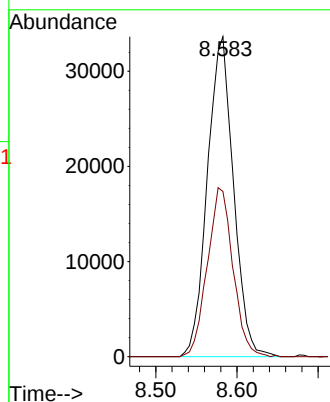
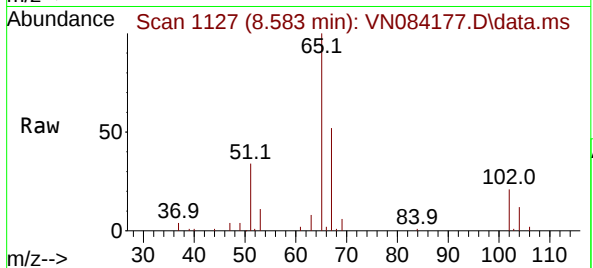




#27
 1,2-Dichloroethane-d4
 Concen: 28.780 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. 0.006 min
 Lab File: VN084177.D
 Acq: 26 Sep 2024 15:18

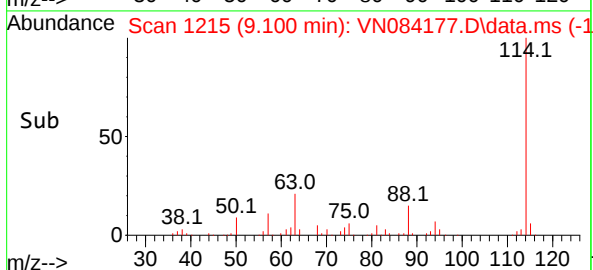
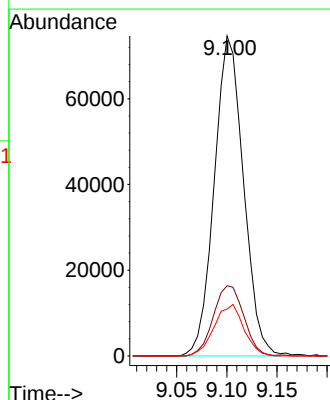
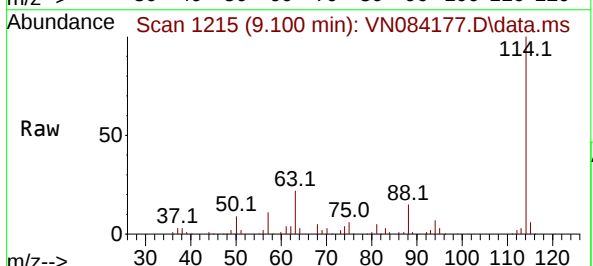
Instrument :
 MSVOA_N
 ClientSampleId :

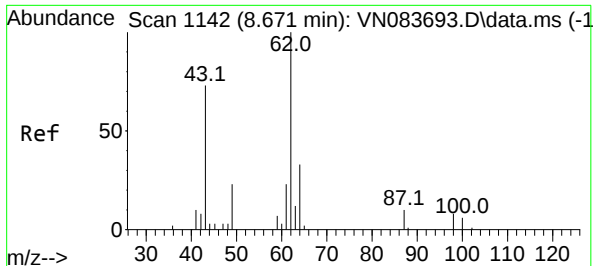
Tgt Ion: 65 Resp: 75236
 Ion Ratio Lower Upper
 65 100
 67 51.8 43.2 64.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084177.D
 Acq: 26 Sep 2024 15:18

Tgt Ion: 114 Resp: 150635
 Ion Ratio Lower Upper
 114 100
 63 22.9 15.9 23.9
 88 16.4 12.7 19.1





#36

1,2-Dichloroethane

Concen: 2.086 ug/l

RT: 9.100 min Scan# 11

Delta R.T. 0.429 min

Lab File: VN084177.D

Acq: 26 Sep 2024 15:18

Instrument :

MSVOA_N

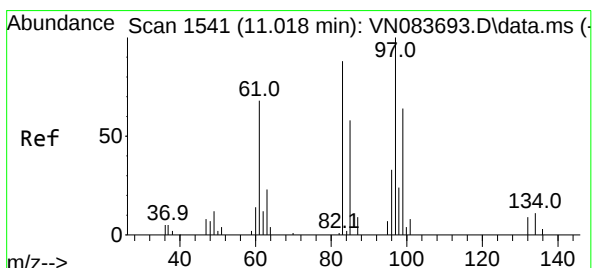
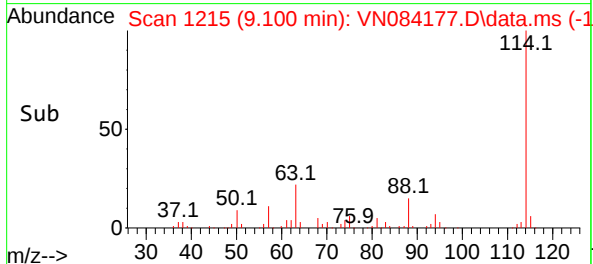
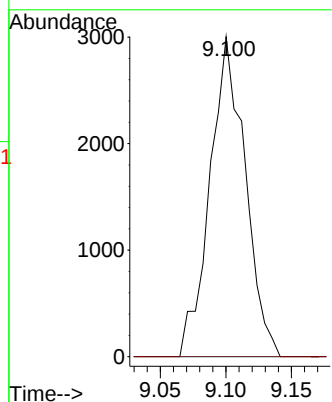
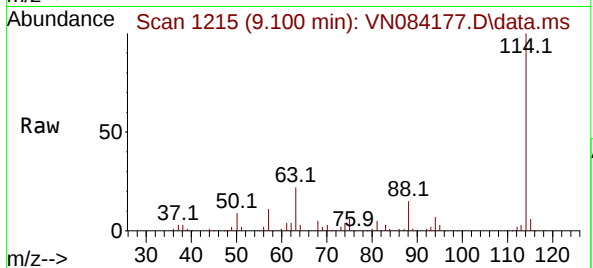
ClientSampleId :

Tgt Ion: 62 Resp: 5621

Ion Ratio Lower Upper

62 100

98 0.0 8.2 12.4#



#50

1,1,2-Trichloroethane

Concen: 3.773 ug/l

RT: 10.577 min Scan# 1466

Delta R.T. -0.441 min

Lab File: VN084177.D

Acq: 26 Sep 2024 15:18

Tgt Ion: 97 Resp: 6057

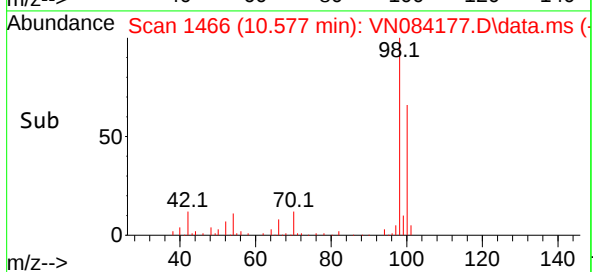
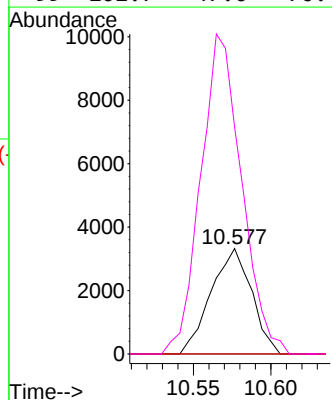
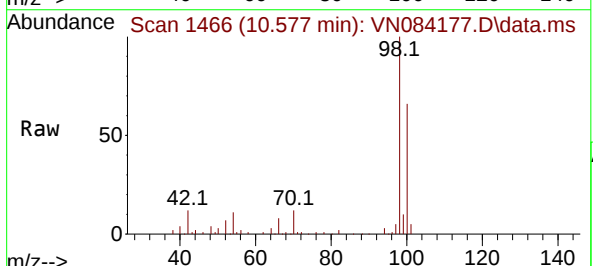
Ion Ratio Lower Upper

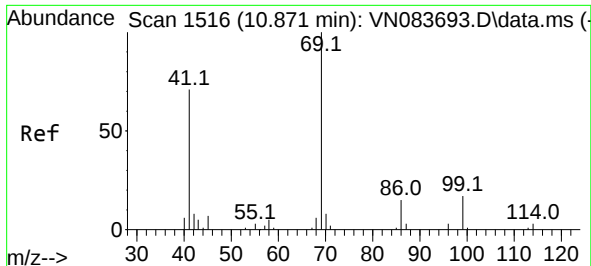
97 100

83 0.0 68.1 102.1#

85 0.0 41.8 62.6#

99 202.7 47.0 70.4#





#51

Ethyl methacrylate

Concen: 0.232 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.306 min

Lab File: VN084177.D

Acq: 26 Sep 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

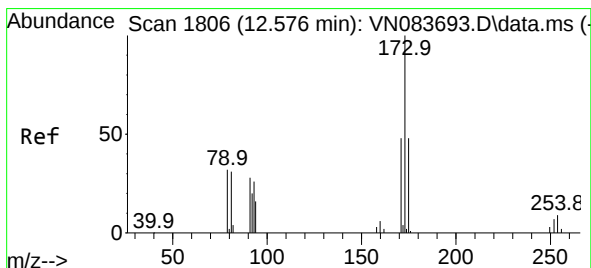
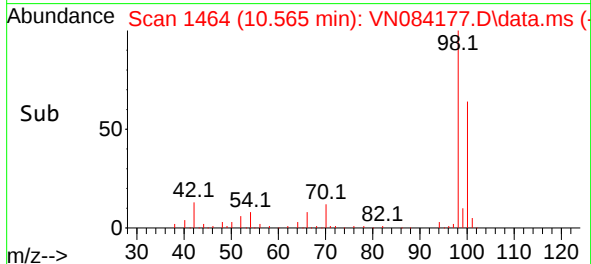
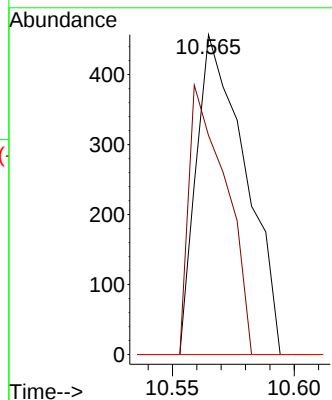
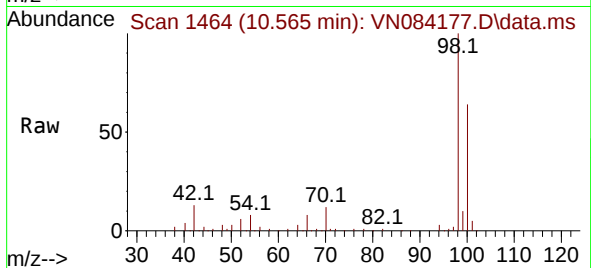
Tgt Ion: 69 Resp: 637

Ion Ratio Lower Upper

69 100

41 68.5 25.5 76.5

39 0.0 16.0 47.9#



#56

Bromoform

Concen: 0.303 ug/l

RT: 12.841 min Scan# 1851

Delta R.T. 0.265 min

Lab File: VN084177.D

Acq: 26 Sep 2024 15:18

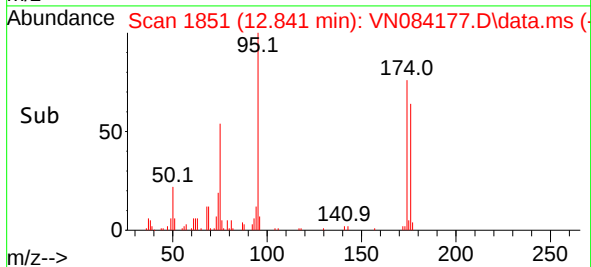
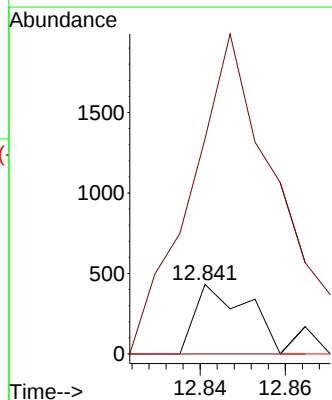
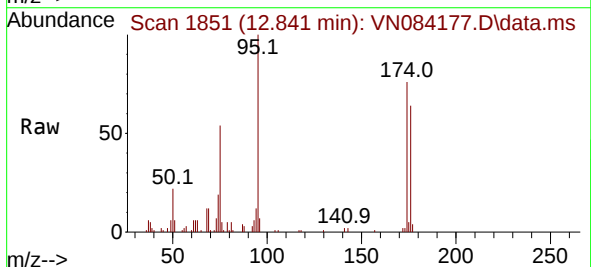
Tgt Ion:173 Resp: 371

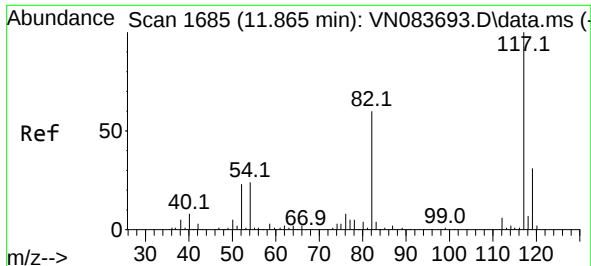
Ion Ratio Lower Upper

173 100

175 750.1 40.0 60.0#

254 0.0 8.3 12.5#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084177.D

Acq: 26 Sep 2024 15:18

Instrument :

MSVOA_N

ClientSampleId :

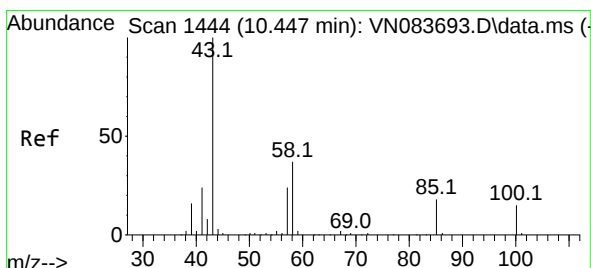
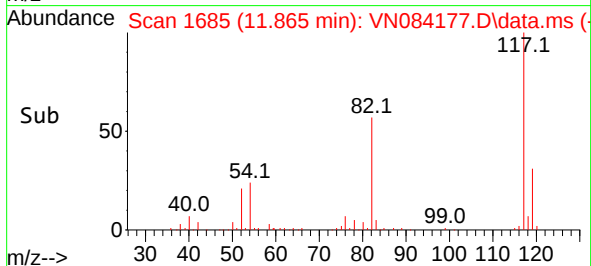
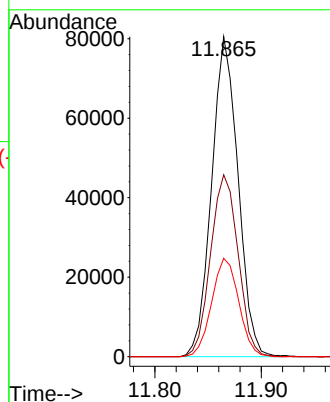
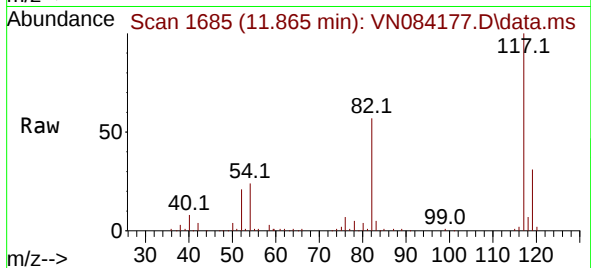
Tgt Ion:117 Resp: 138663

Ion Ratio Lower Upper

117 100

82 59.2 46.6 69.8

119 31.6 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.252 ug/l

RT: 10.559 min Scan# 1463

Delta R.T. 0.112 min

Lab File: VN084177.D

Acq: 26 Sep 2024 15:18

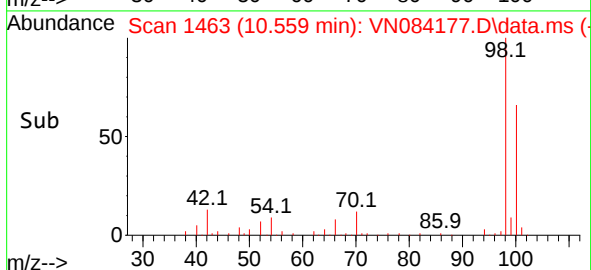
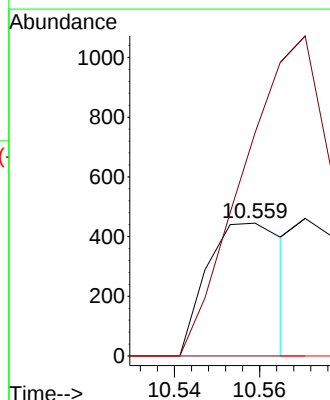
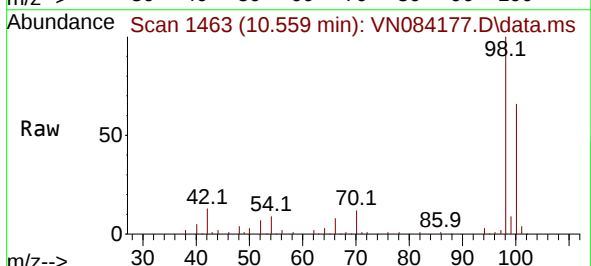
Tgt Ion: 43 Resp: 555

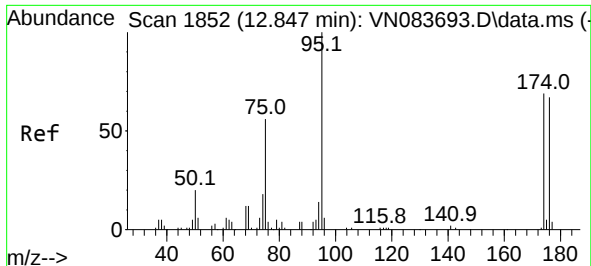
Ion Ratio Lower Upper

43 100

58 297.3 36.5 54.7#

85 0.0 19.5 29.3#

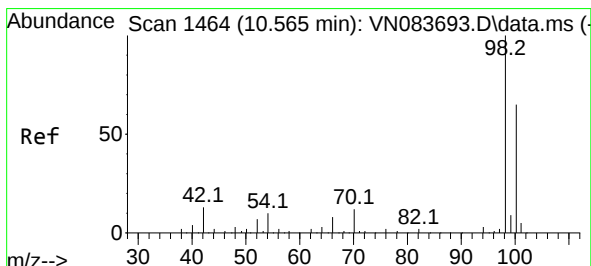
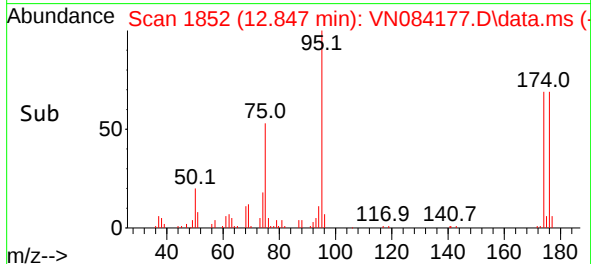
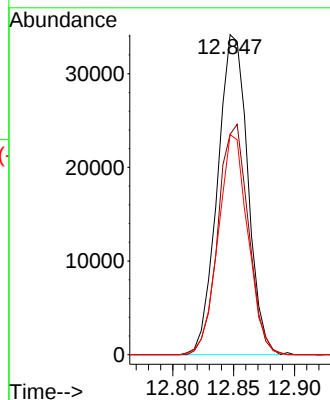
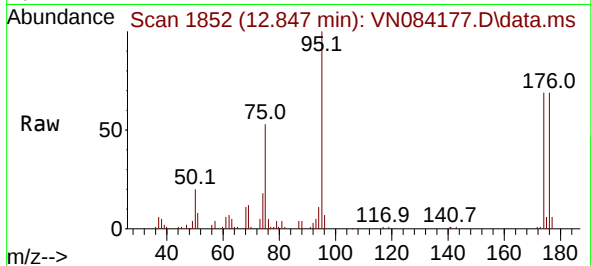




#60
4-Bromofluorobenzene
Concen: 24.711 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN084177.D
Acq: 26 Sep 2024 15:18

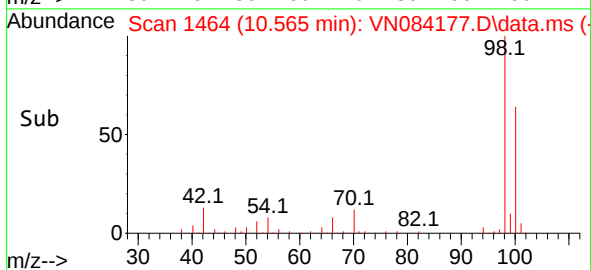
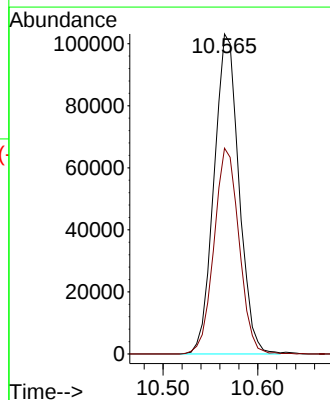
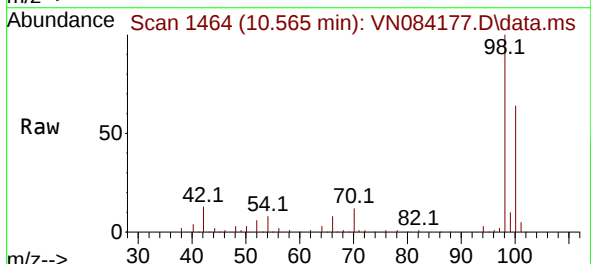
Instrument :
MSVOA_N
ClientSampleId :

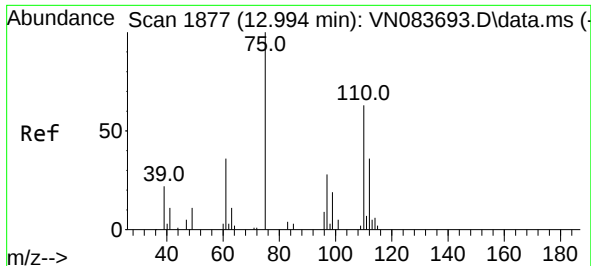
Tgt Ion: 95 Resp: 59055
Ion Ratio Lower Upper
95 100
174 72.1 60.5 90.7
176 67.8 57.8 86.6



#63
Toluene-d8
Concen: 29.360 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084177.D
Acq: 26 Sep 2024 15:18

Tgt Ion: 98 Resp: 188509
Ion Ratio Lower Upper
98 100
100 64.6 52.7 79.1

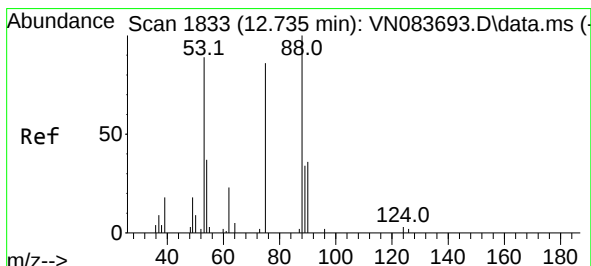
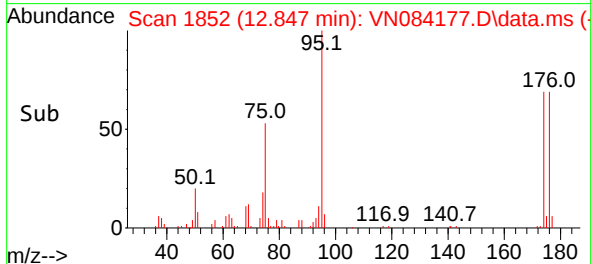
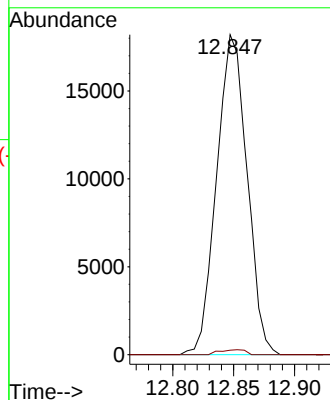
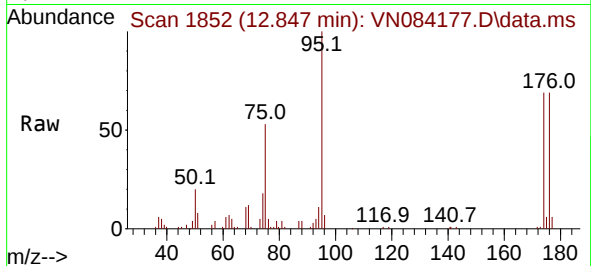




#72
1,2,3-Trichloropropane
Concen: 15.513 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN084177.D
Acq: 26 Sep 2024 15:18

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 31638
Ion Ratio Lower Upper
75 100
77 1.3 0.0 367.6



#77
t-1,4-Dichloro-2-butene
Concen: 36.701 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084177.D
Acq: 26 Sep 2024 15:18

Tgt Ion: 75 Resp: 31638
Ion Ratio Lower Upper
75 100
53 0.0 45.9 137.7#
89 0.0 25.9 77.7#

