

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084192.D
 Acq On : 26 Sep 2024 21:28
 Operator : JC\MD
 Sample : P4189-04 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-4

Quant Time: Sep 27 01:15:46 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)

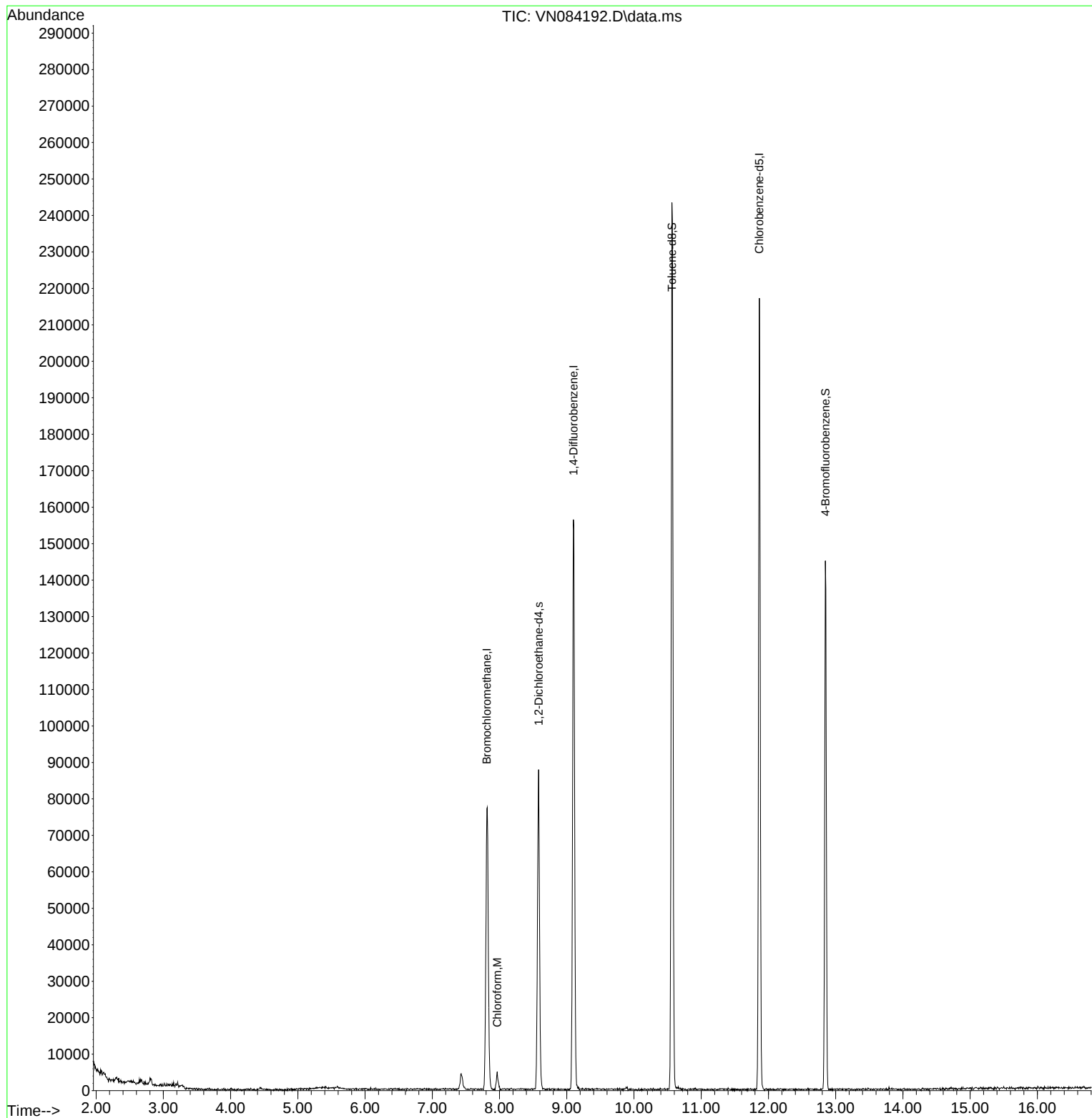
Internal Standards						
1) Bromochloromethane	7.812	128	26981	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	130325	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	120413	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	68015	27.578	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.933%
60) 4-Bromofluorobenzene	12.847	95	49861	24.026	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.100%
63) Toluene-d8	10.565	98	166729	29.904	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.667%
Target Compounds						
25) Chloroform	7.965	83	3985	1.109	ug/l	Qvalue 95

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

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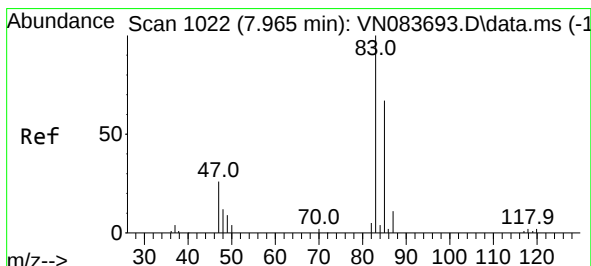
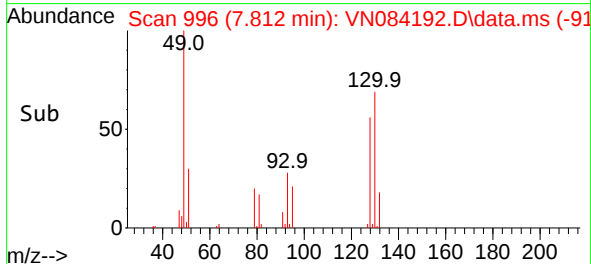
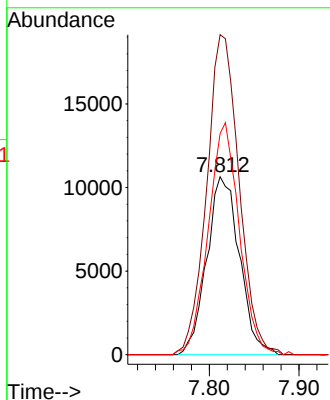
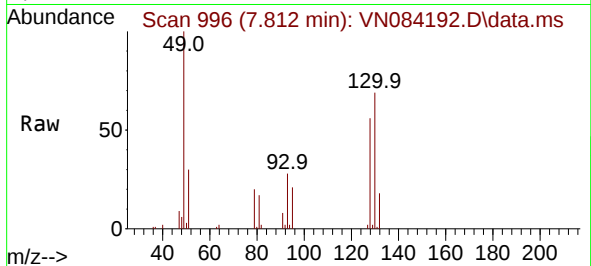




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.812 min Scan# 996
Delta R.T. 0.000 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

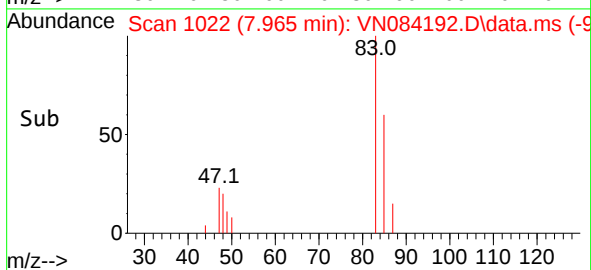
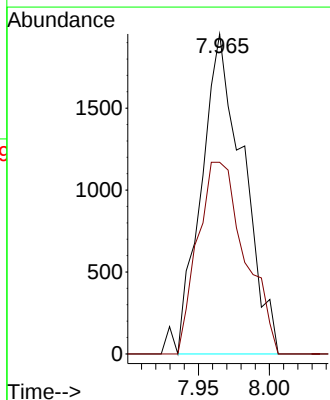
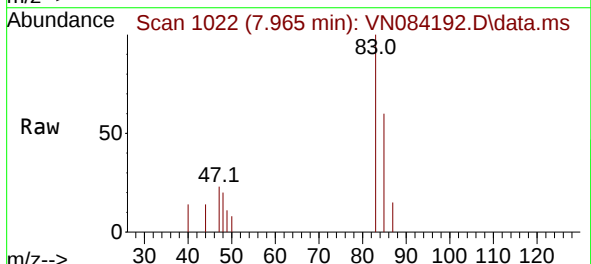
Instrument :
MSVOA_N
ClientSampleId :
14B-4

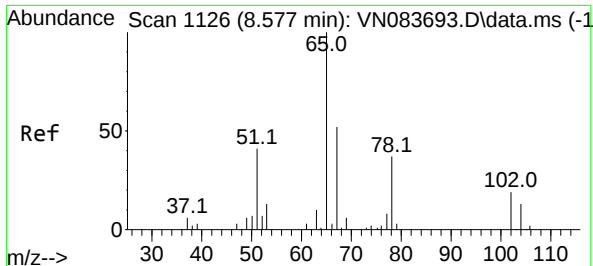
Tgt Ion:128 Resp: 26981
Ion Ratio Lower Upper
128 100
49 177.3 0.0 403.7
130 124.1 0.0 323.3



#25
Chloroform
Concen: 1.109 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. 0.000 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

Tgt Ion: 83 Resp: 3985
Ion Ratio Lower Upper
83 100
85 59.9 50.9 76.3





#27

1,2-Dichloroethane-d4

Concen: 27.578 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN084192.D

Acq: 26 Sep 2024 21:28

Instrument :

MSVOA_N

ClientSampleId :

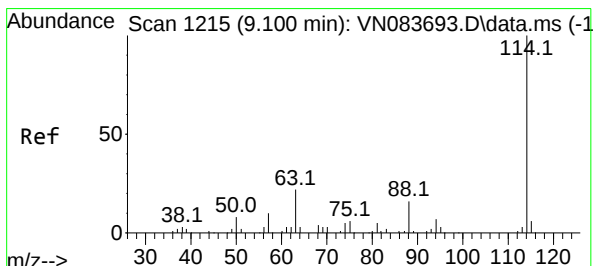
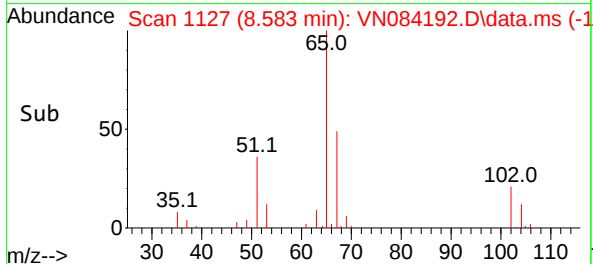
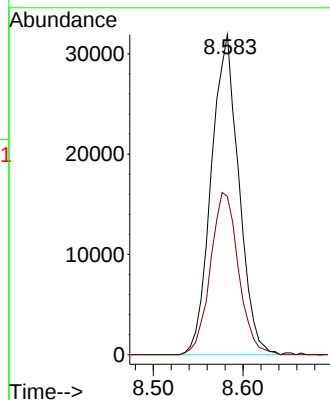
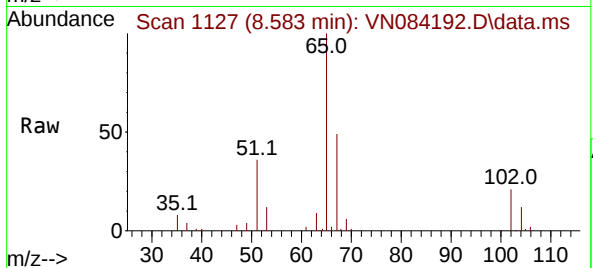
14B-4

Tgt Ion: 65 Resp: 68015

Ion Ratio Lower Upper

65 100

67 51.7 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: VN084192.D

Acq: 26 Sep 2024 21:28

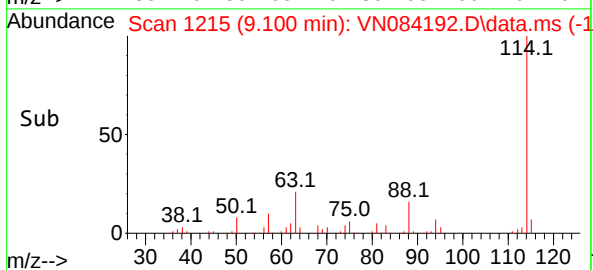
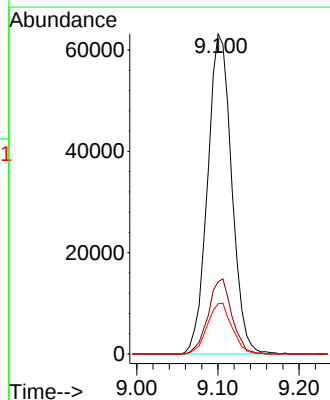
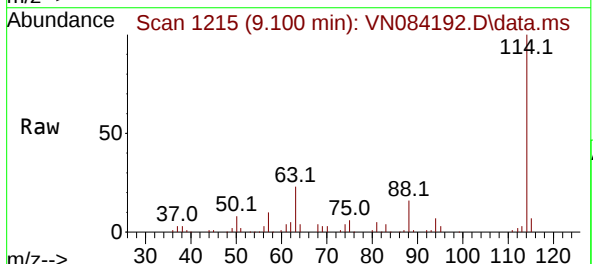
Tgt Ion: 114 Resp: 130325

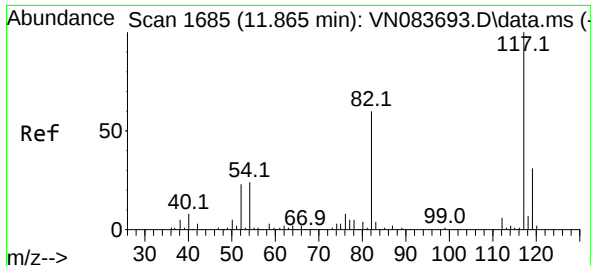
Ion Ratio Lower Upper

114 100

63 23.0 15.9 23.9

88 16.1 12.7 19.1





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084192.D

Acq: 26 Sep 2024 21:28

Instrument :

MSVOA_N

ClientSampleId :

14B-4

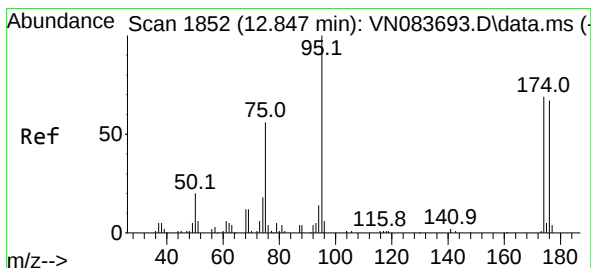
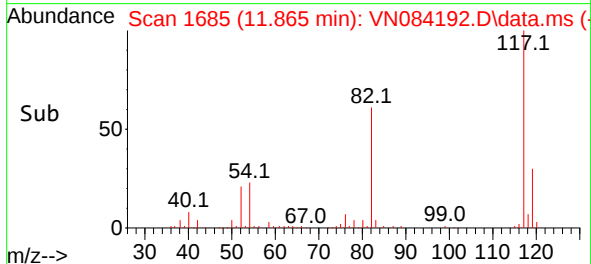
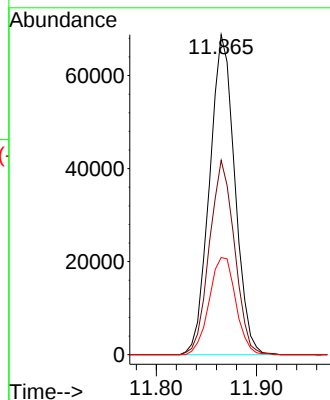
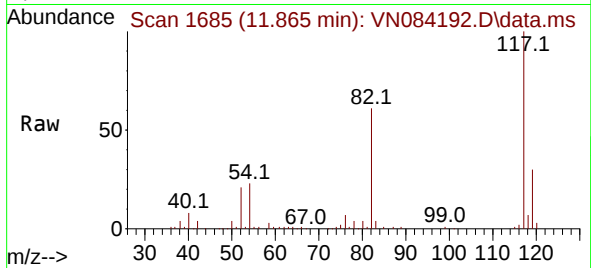
Tgt Ion:117 Resp: 120413

Ion Ratio Lower Upper

117 100

82 60.4 46.6 69.8

119 32.0 25.4 38.2



#60

4-Bromofluorobenzene

Concen: 24.026 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN084192.D

Acq: 26 Sep 2024 21:28

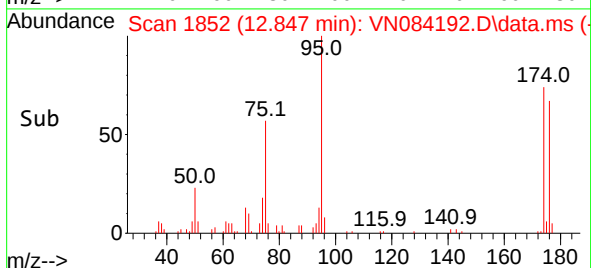
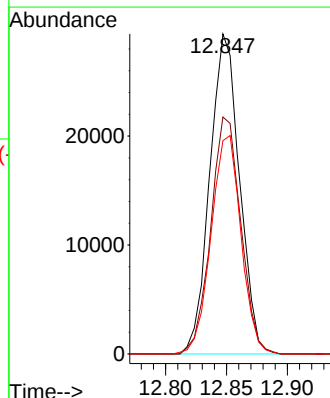
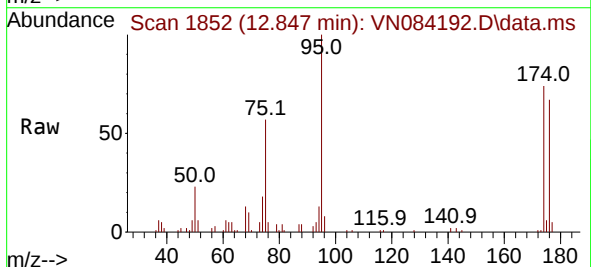
Tgt Ion: 95 Resp: 49861

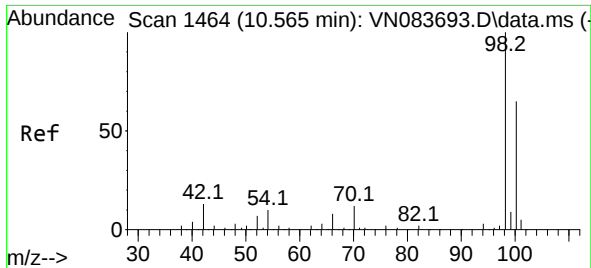
Ion Ratio Lower Upper

95 100

174 74.8 60.5 90.7

176 68.8 57.8 86.6





#63
Toluene-d8
Concen: 29.904 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084192.D
Acq: 26 Sep 2024 21:28

Instrument :
MSVOA_N
ClientSampleId :
14B-4

Tgt Ion: 98 Resp: 166729
Ion Ratio Lower Upper
98 100
100 63.7 52.7 79.1

