

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092624\
 Data File : VN084186.D
 Acq On : 26 Sep 2024 19:04
 Operator : JC\MD
 Sample : P4165-02 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: Sep 27 01:13:56 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)

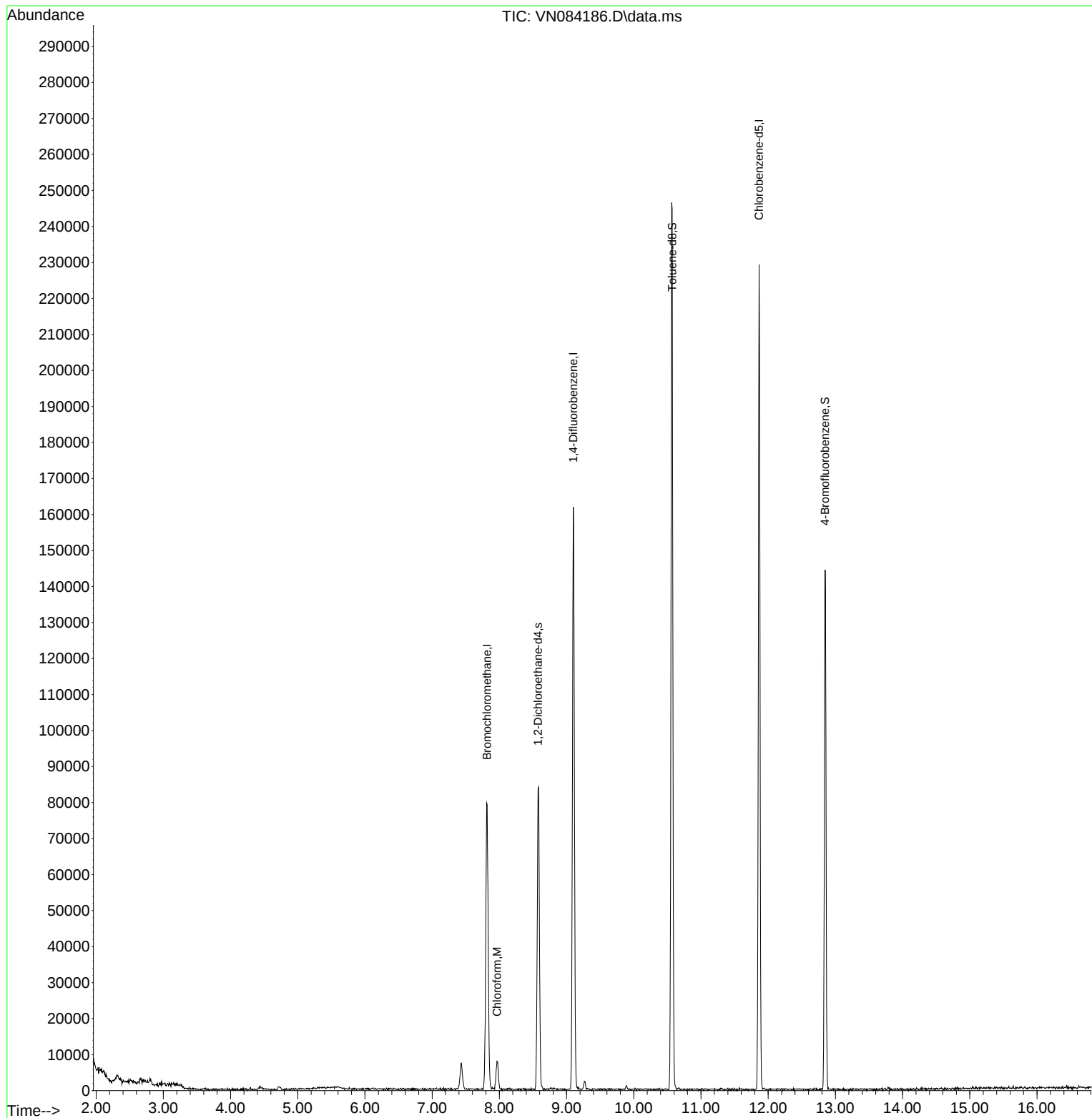
Internal Standards						
1) Bromochloromethane	7.818	128	27088	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	132096	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.864	117	123642	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.576	65	69967	28.258	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.200%
60) 4-Bromofluorobenzene	12.847	95	50965	23.917	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.733%
63) Toluene-d8	10.570	98	168686	29.464	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.200%
Target Compounds						
25) Chloroform	7.965	83	8252	2.287	ug/l	Qvalue 88

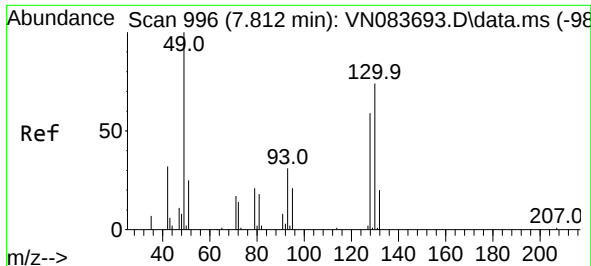
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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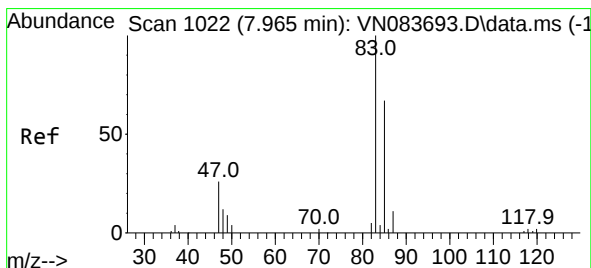
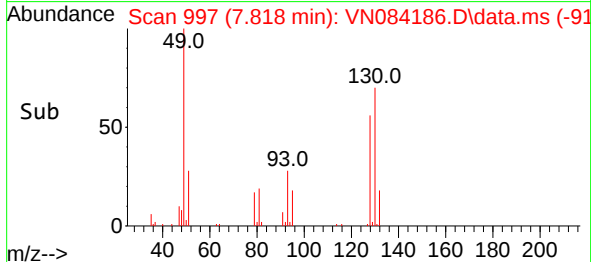
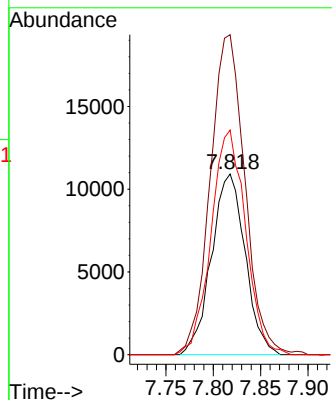
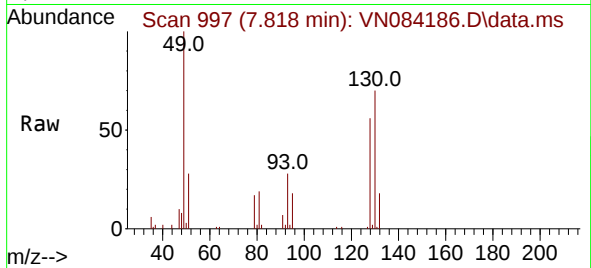




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

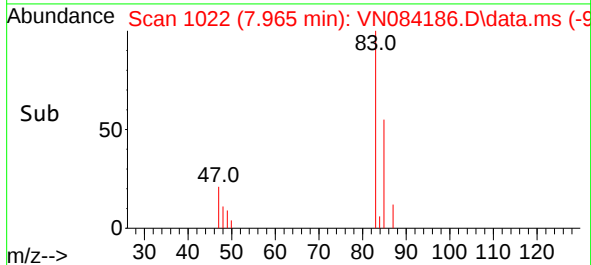
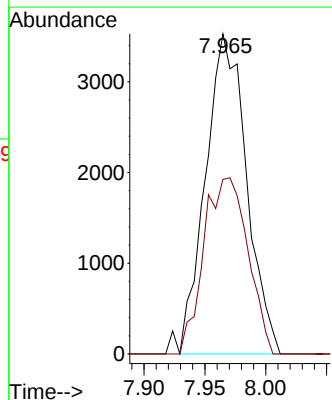
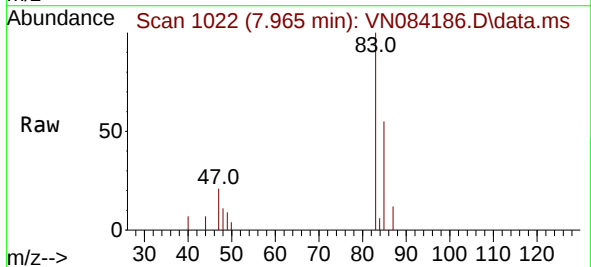
Instrument :
MSVOA_N
ClientSampleId :
14B-2

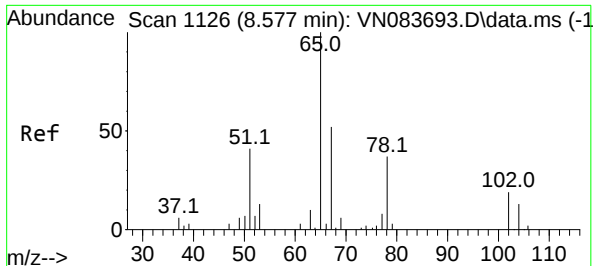
Tgt Ion:128 Resp: 27088
Ion Ratio Lower Upper
128 100
49 181.3 0.0 403.7
130 126.9 0.0 323.3



#25
Chloroform
Concen: 2.287 ug/l
RT: 7.965 min Scan# 1022
Delta R.T. -0.000 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

Tgt Ion: 83 Resp: 8252
Ion Ratio Lower Upper
83 100
85 54.6 50.9 76.3

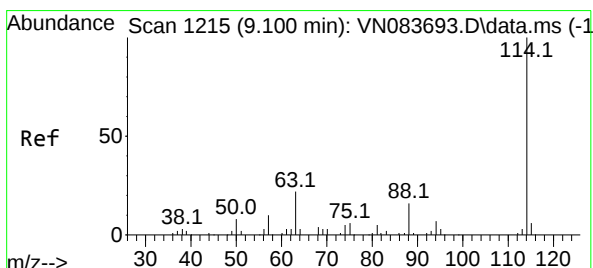
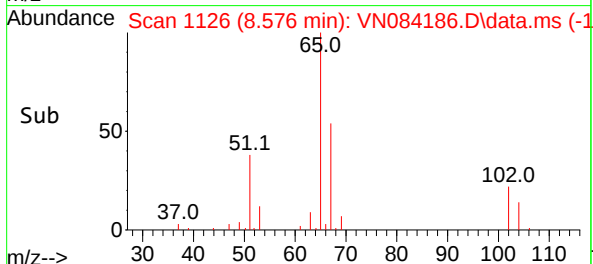
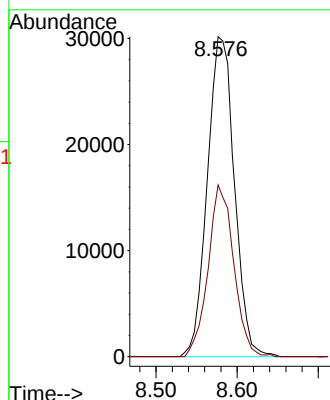
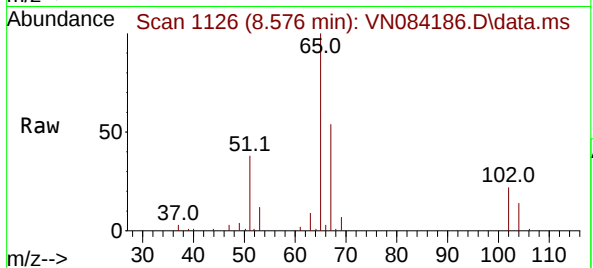




#27
 1,2-Dichloroethane-d4
 Concen: 28.258 ug/l
 RT: 8.576 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084186.D
 Acq: 26 Sep 2024 19:04

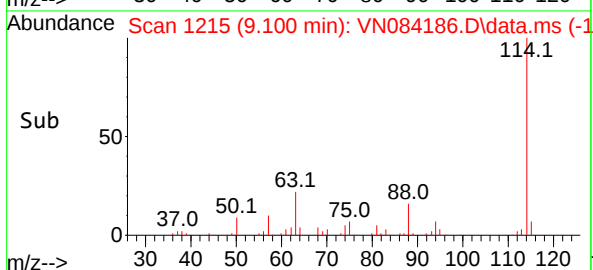
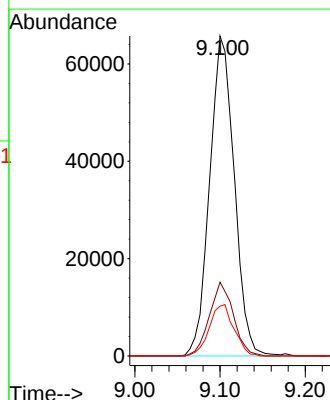
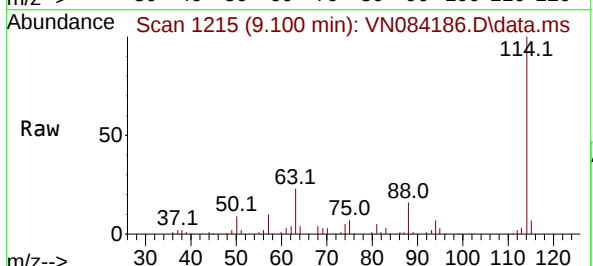
Instrument :
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 ClientSampleId :
 14B-2

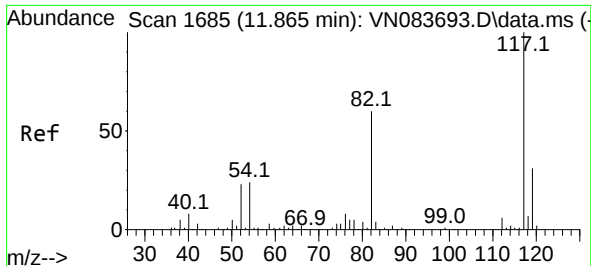
Tgt Ion: 65 Resp: 69967
 Ion Ratio Lower Upper
 65 100
 67 50.7 43.2 64.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN084186.D
 Acq: 26 Sep 2024 19:04

Tgt Ion: 114 Resp: 132096
 Ion Ratio Lower Upper
 114 100
 63 22.4 15.9 23.9
 88 16.0 12.7 19.1





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.864 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN084186.D

Acq: 26 Sep 2024 19:04

Instrument :

MSVOA_N

ClientSampleId :

14B-2

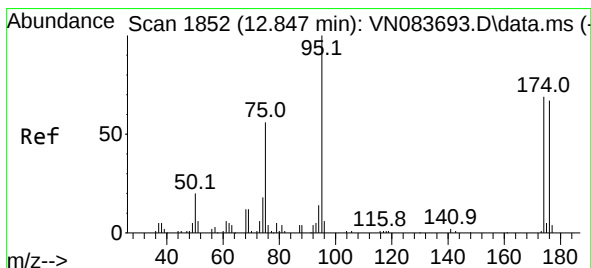
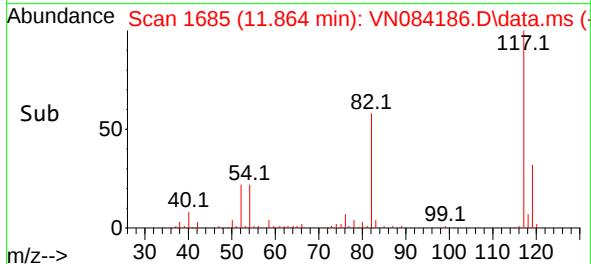
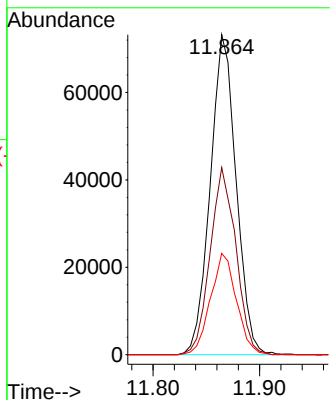
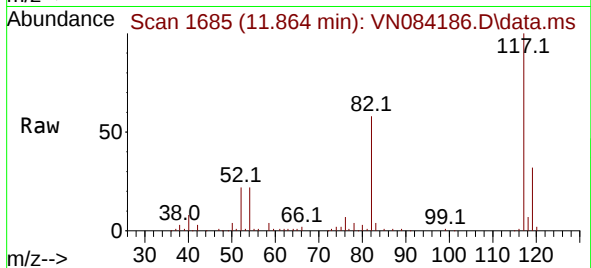
Tgt Ion:117 Resp: 123642

Ion Ratio Lower Upper

117 100

82 58.3 46.6 69.8

119 31.8 25.4 38.2



#60

4-Bromofluorobenzene

Concen: 23.917 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084186.D

Acq: 26 Sep 2024 19:04

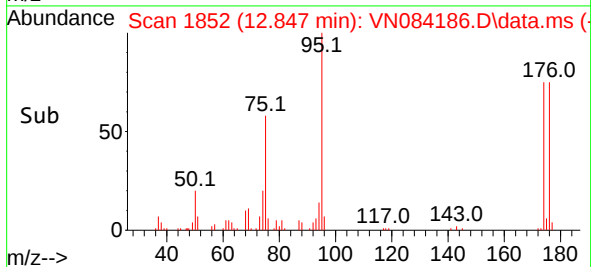
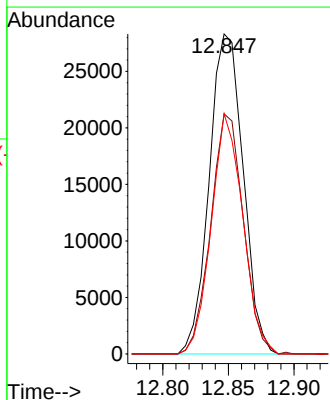
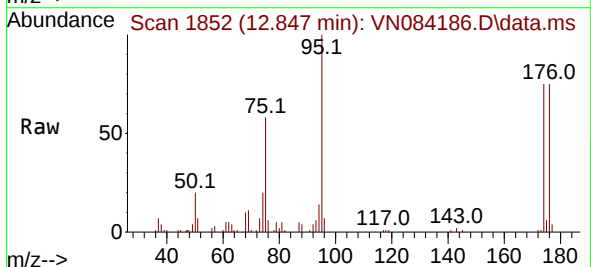
Tgt Ion: 95 Resp: 50965

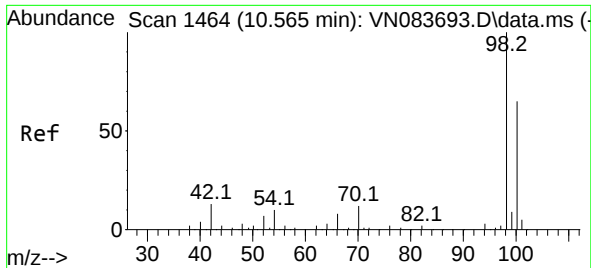
Ion Ratio Lower Upper

95 100

174 72.0 60.5 90.7

176 69.9 57.8 86.6





#63
Toluene-d8
Concen: 29.464 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN084186.D
Acq: 26 Sep 2024 19:04

Instrument :
MSVOA_N
ClientSampleId :
14B-2

Tgt Ion: 98 Resp: 168686
Ion Ratio Lower Upper
98 100
100 64.2 52.7 79.1

