

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045054.D
 Acq On : 26 Feb 2025 14:36
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Feb 27 05:15:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

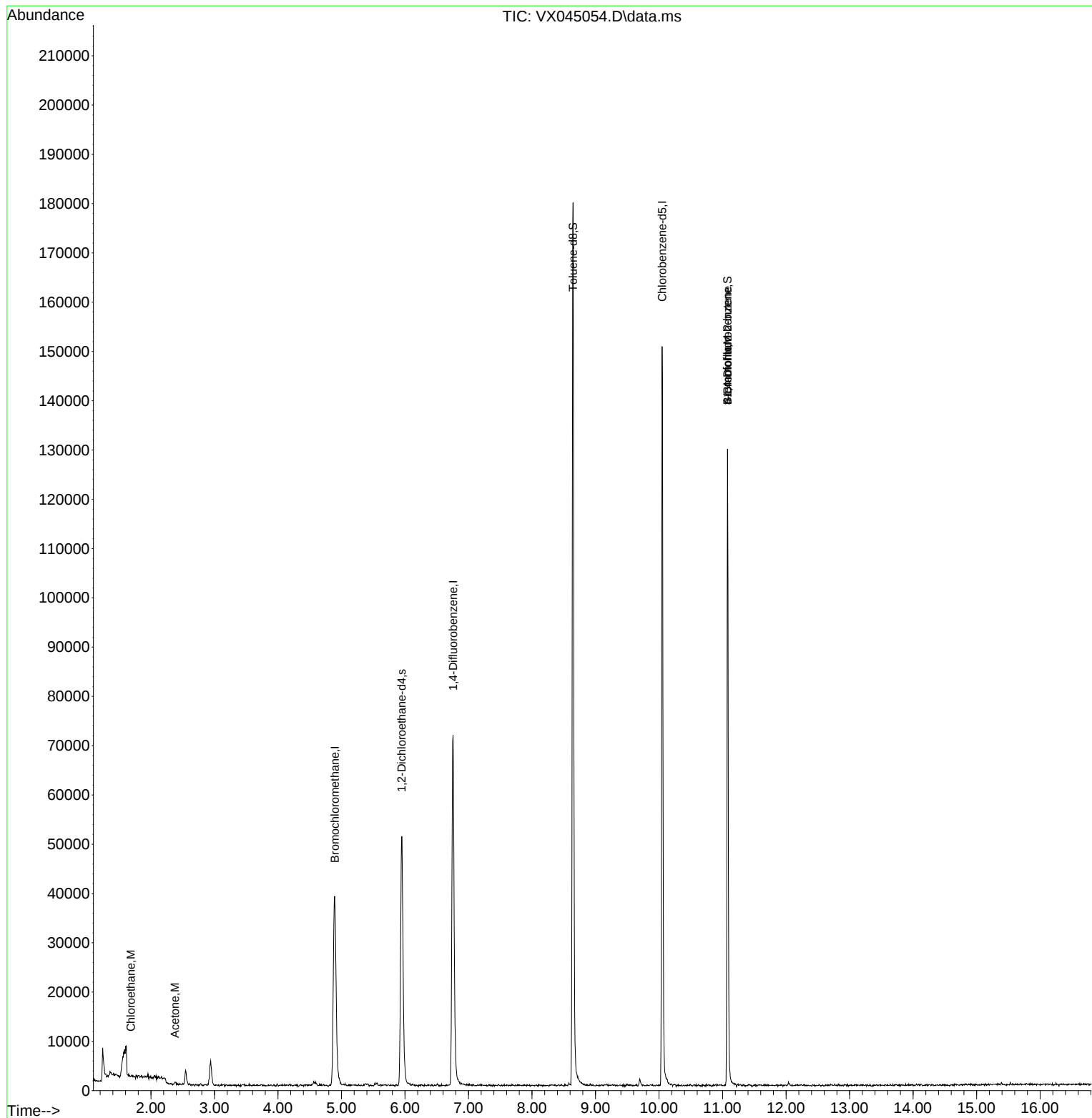
Internal Standards						
1) Bromochloromethane	4.897	128	16000	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	73469	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	67669	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	47584	30.620	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.067%	
60) 4-Bromofluorobenzene	11.079	95	34358	27.164	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 90.533%	
63) Toluene-d8	8.647	98	108487	28.980	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 96.600%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.685	64	186	0.220	ug/l #	45
15) Acetone	2.380	58	135	0.714	ug/l #	7
56) Bromoform	11.079	173	236	0.345	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	18607	44.166	ug/l #	10

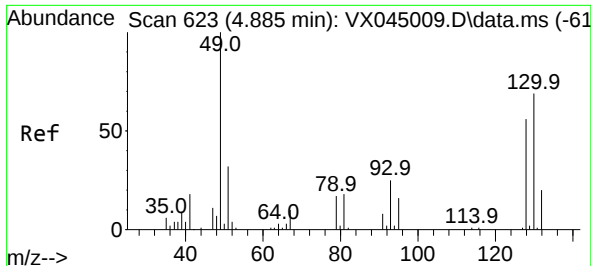
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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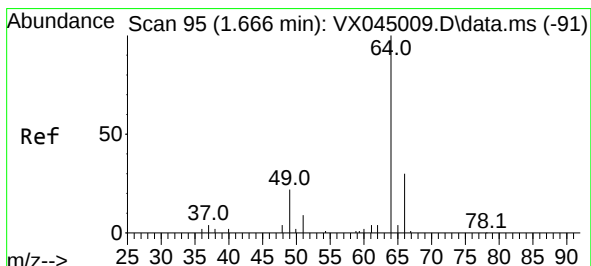
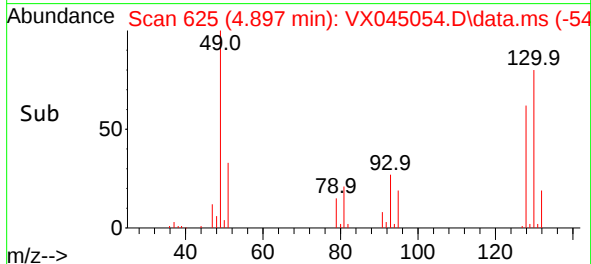
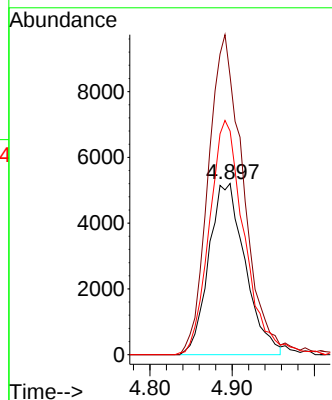
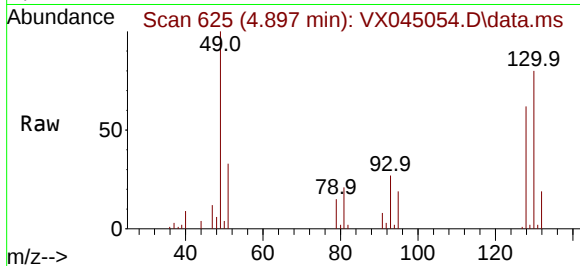




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.897 min Scan# 61
 Delta R.T. 0.012 min
 Lab File: VX045054.D
 Acq: 26 Feb 2025 14:36

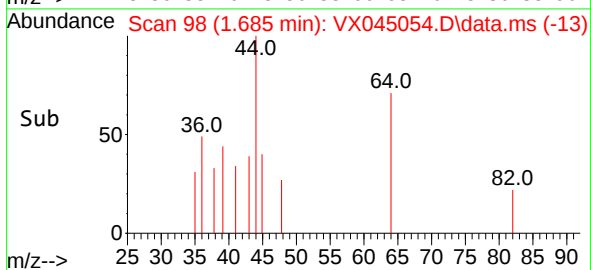
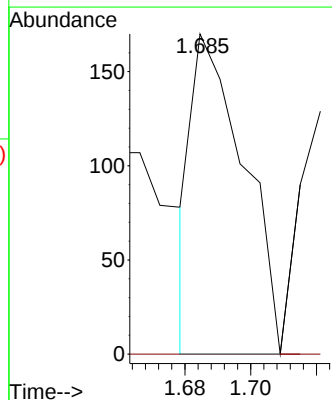
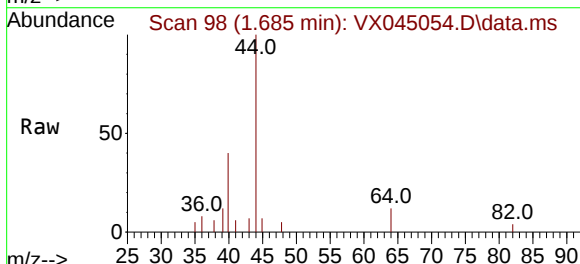
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

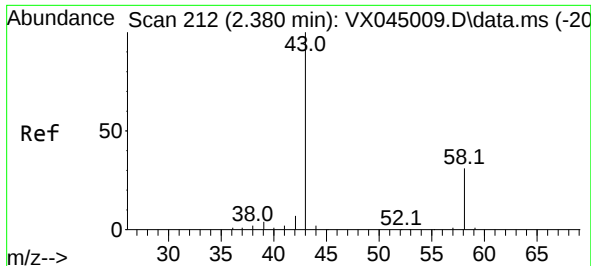
Tgt Ion:	128	Resp:	16000
Ion	Ratio	Lower	Upper
128	100		
49	178.5	0.0	449.7
130	132.3	0.0	312.7



#6
 Chloroethane
 Concen: 0.220 ug/l
 RT: 1.685 min Scan# 98
 Delta R.T. 0.018 min
 Lab File: VX045054.D
 Acq: 26 Feb 2025 14:36

Tgt Ion:	64	Resp:	186
Ion	Ratio	Lower	Upper
64	100		
66	0.0	23.7	35.5





#15

Acetone

Concen: 0.714 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX045054.D

Acq: 26 Feb 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

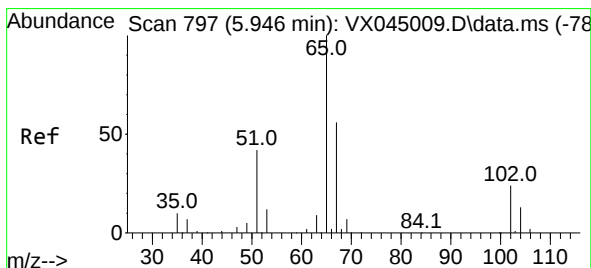
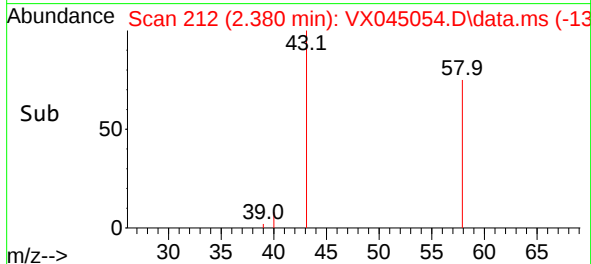
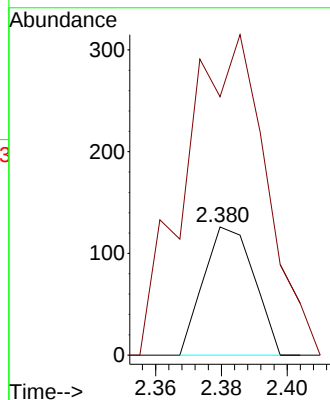
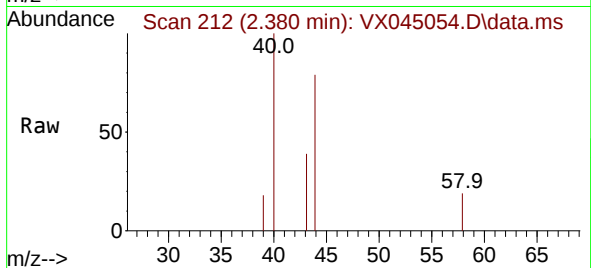
IBLK

Tgt Ion: 58 Resp: 135

Ion Ratio Lower Upper

58 100

43 131.0 258.6 388.0#



#27

1,2-Dichloroethane-d4

Concen: 30.620 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX045054.D

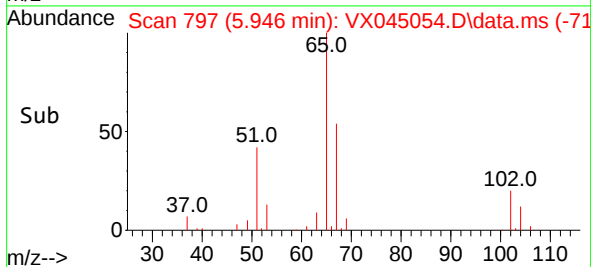
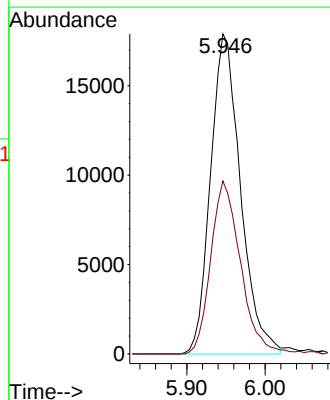
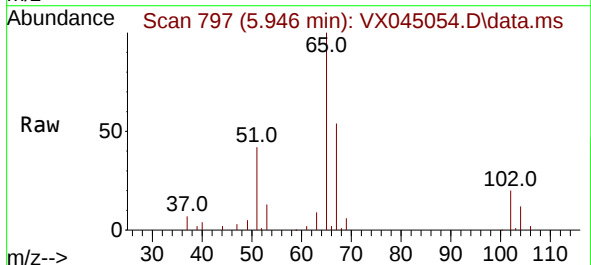
Acq: 26 Feb 2025 14:36

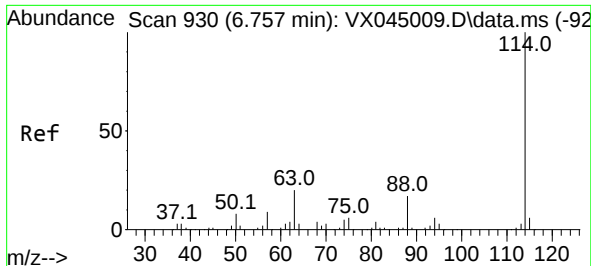
Tgt Ion: 65 Resp: 47584

Ion Ratio Lower Upper

65 100

67 53.6 42.6 64.0

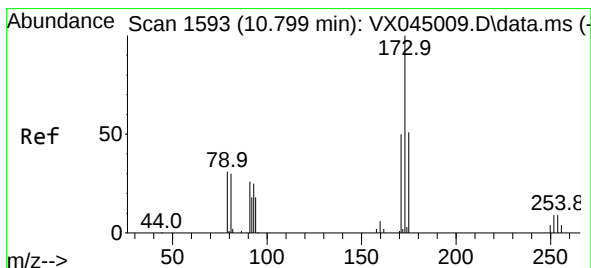
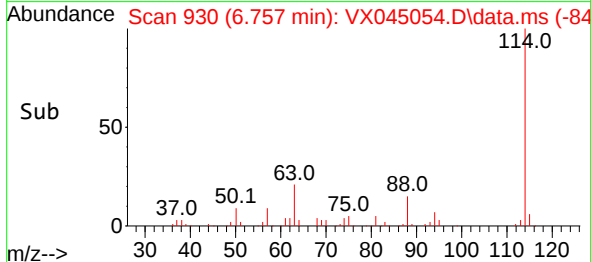
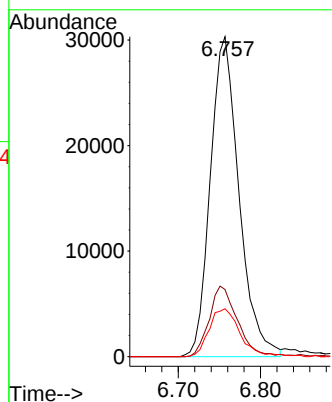
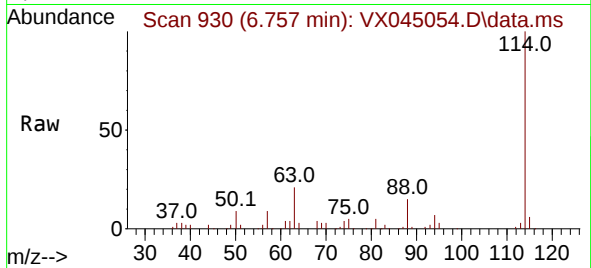




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX045054.D
Acq: 26 Feb 2025 14:36

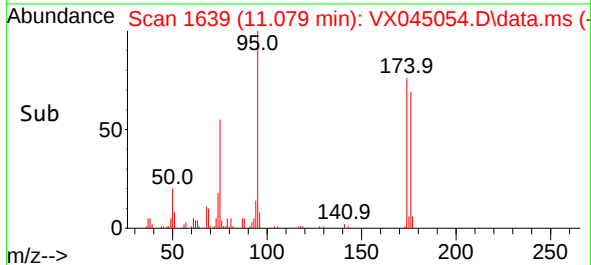
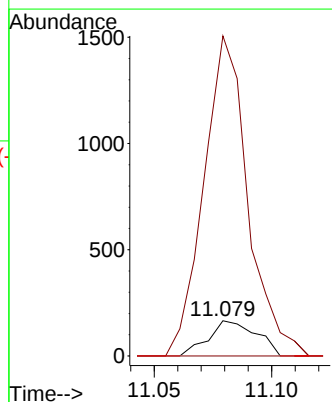
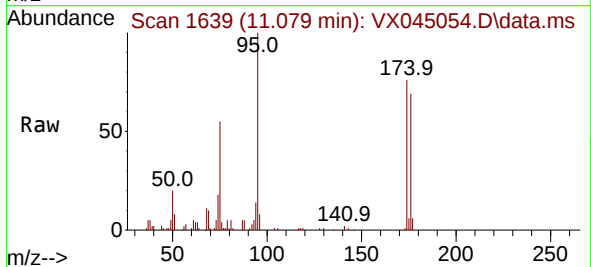
Instrument :
MSVOA_X
ClientSampleId :
IBLK

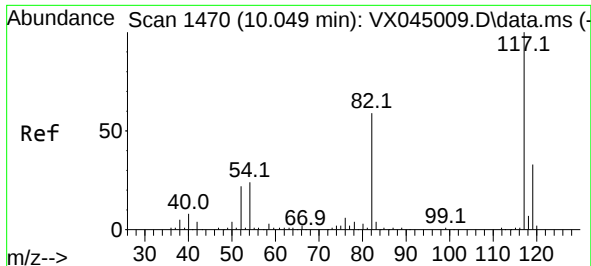
Tgt Ion:114 Resp: 73469
Ion Ratio Lower Upper
114 100
63 21.5 16.8 25.2
88 15.7 12.7 19.1



#56
Bromoform
Concen: 0.345 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX045054.D
Acq: 26 Feb 2025 14:36

Tgt Ion:173 Resp: 236
Ion Ratio Lower Upper
173 100
175 833.9 39.6 59.4#
254 0.0 6.3 9.5#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045054.D

Acq: 26 Feb 2025 14:36

Instrument :

MSVOA_X

ClientSampleId :

IBLK

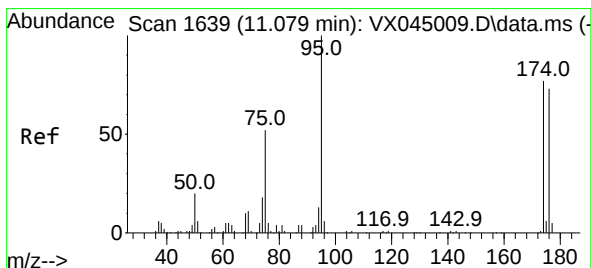
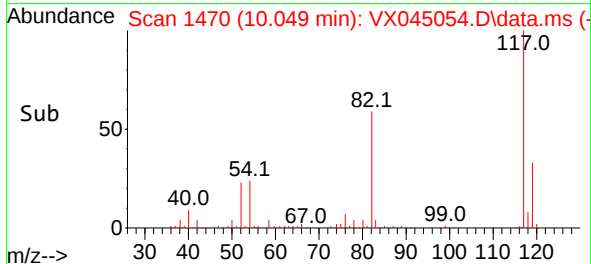
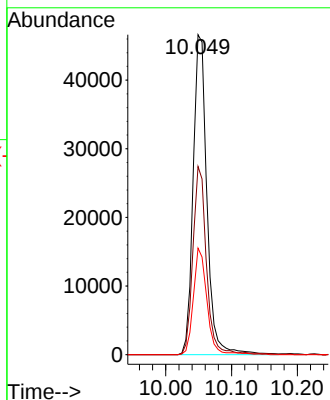
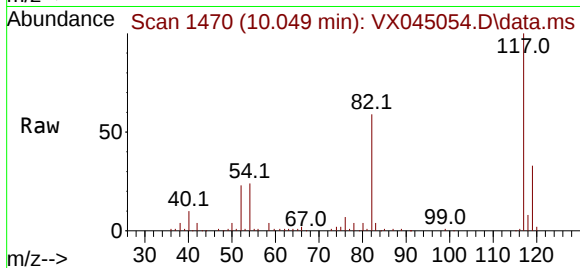
Tgt Ion:117 Resp: 67669

Ion Ratio Lower Upper

117 100

82 57.2 45.8 68.8

119 31.9 25.5 38.3



#60

4-Bromofluorobenzene

Concen: 27.164 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045054.D

Acq: 26 Feb 2025 14:36

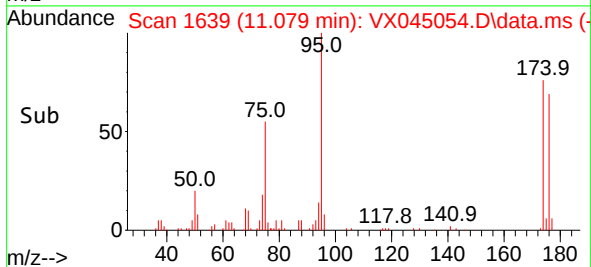
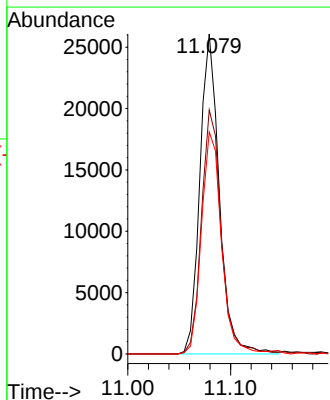
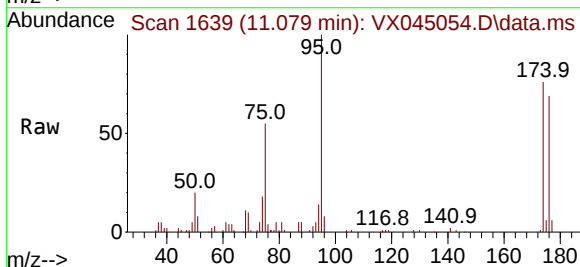
Tgt Ion: 95 Resp: 34358

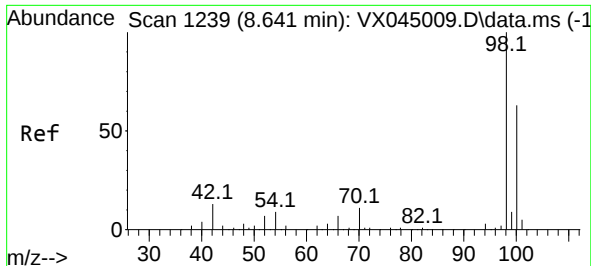
Ion Ratio Lower Upper

95 100

174 77.7 59.5 89.3

176 71.4 55.5 83.3

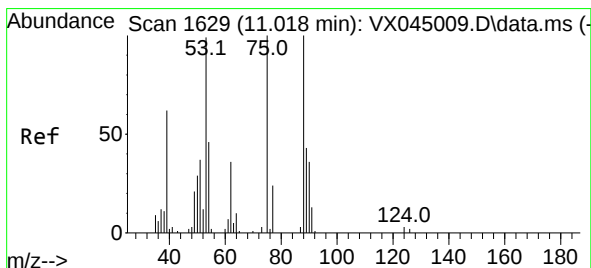
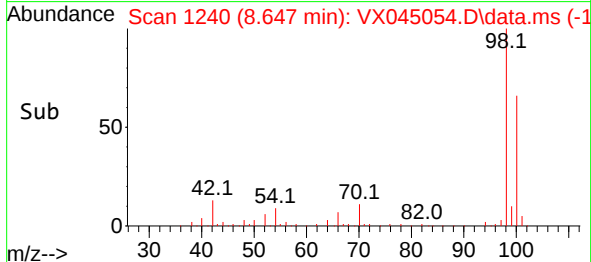
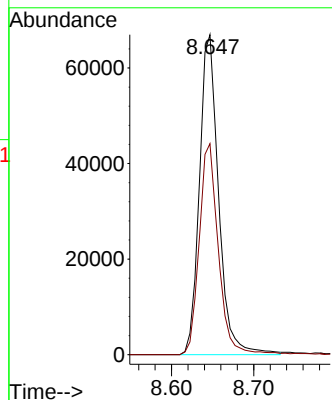
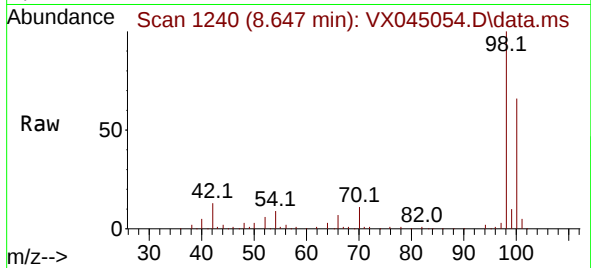




#63
Toluene-d8
Concen: 28.980 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045054.D
Acq: 26 Feb 2025 14:36

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 108487
Ion Ratio Lower Upper
98 100
100 65.6 51.7 77.5



#77
t-1,4-Dichloro-2-butene
Concen: 44.166 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045054.D
Acq: 26 Feb 2025 14:36

Tgt Ion: 75 Resp: 18607
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#

