

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062025\
 Data File : VX046780.D
 Acq On : 20 Jun 2025 13:40
 Operator : JC/MD
 Sample : VX0620WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0620WBL01

Quant Time: Jun 20 23:14:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061025W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jun 11 06:20:28 2025
 Response via : Initial Calibration

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

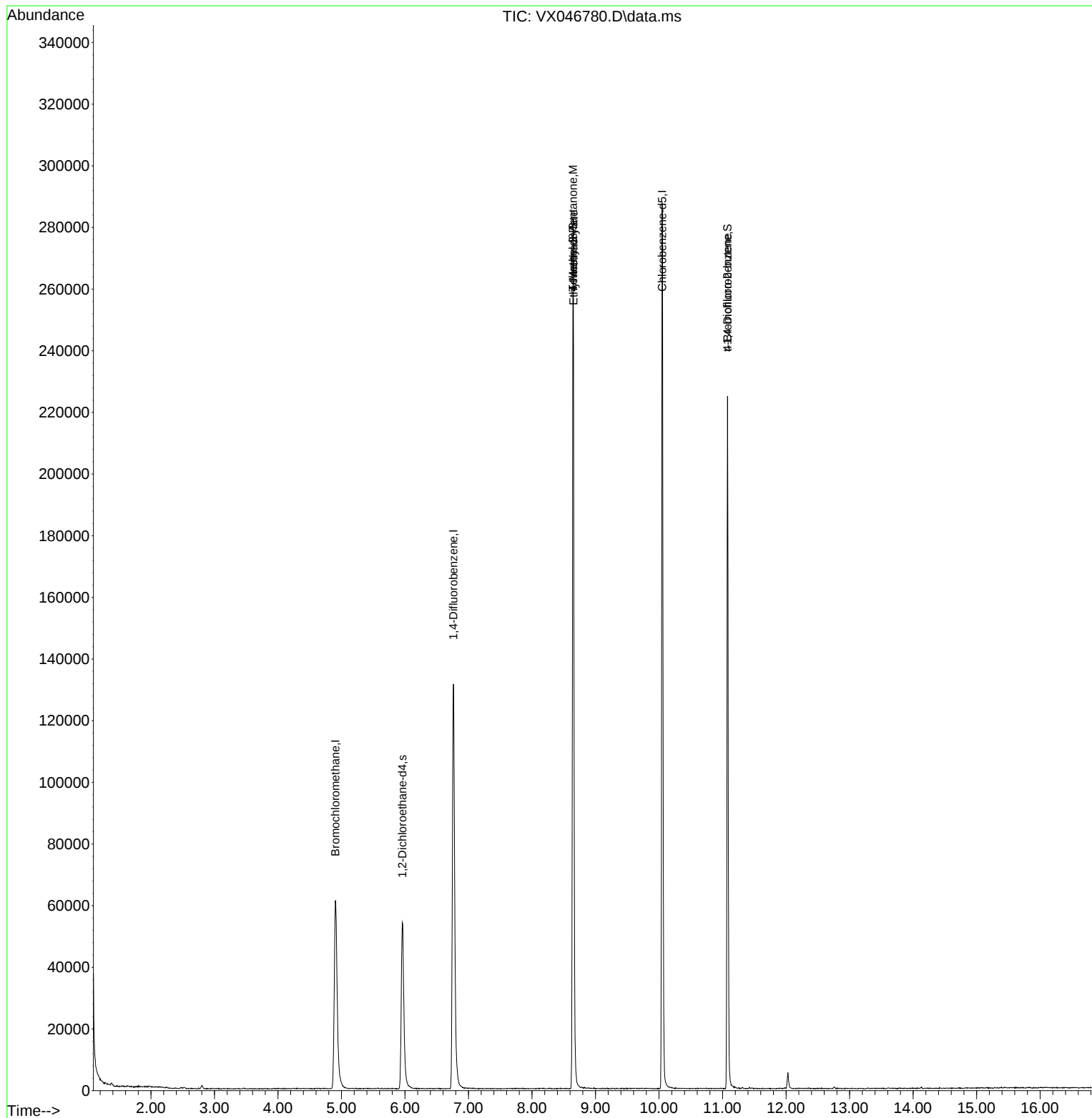
Internal Standards						
1) Bromochloromethane	4.903	128	15094	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	6.763	114	146040	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	133167	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	57794	47.302	ug/l	-0.01
Spiked Amount	30.000	Range	91 - 110	Recovery	=	157.667%#
60) 4-Bromofluorobenzene	11.079	95	62355	27.780	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.600%
63) Toluene-d8	8.647	98	170060	28.590	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.300%
Target Compounds						
					Qvalue	
51) Ethyl methacrylate	8.653	69	524	0.217	ug/l	69
58) 4-Methyl-2-Pentanone	8.647	43	721	0.333	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	31702	48.589	ug/l #	1

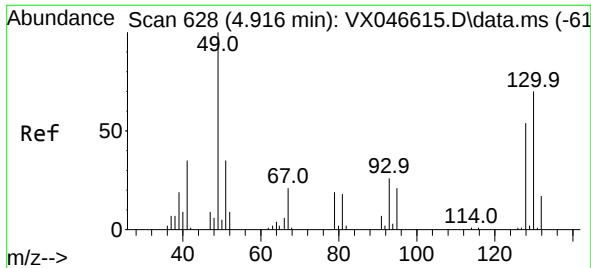
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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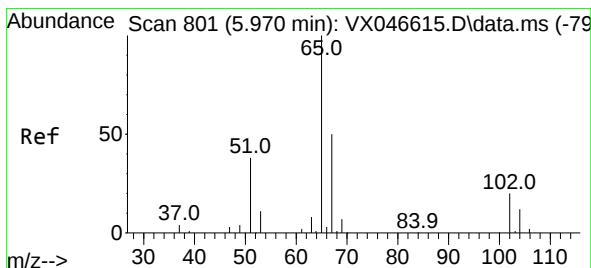
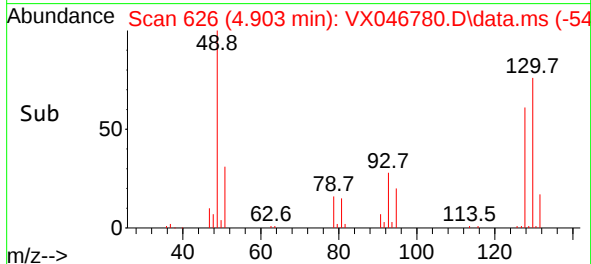
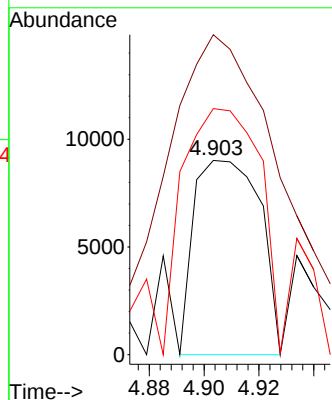
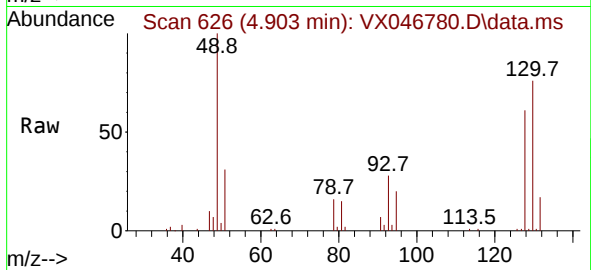




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. -0.013 min
Lab File: VX046780.D
Acq: 20 Jun 2025 13:40

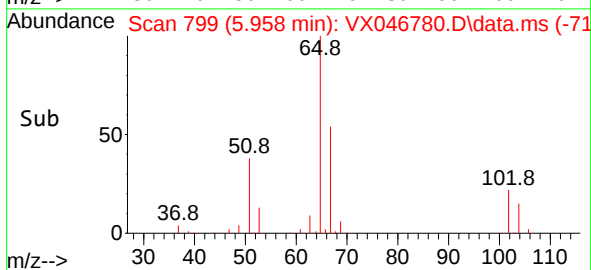
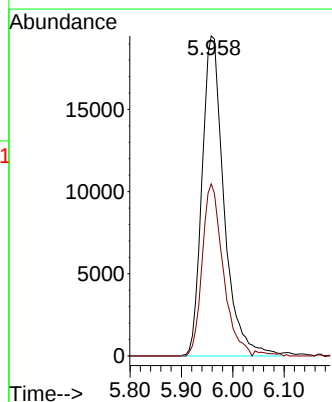
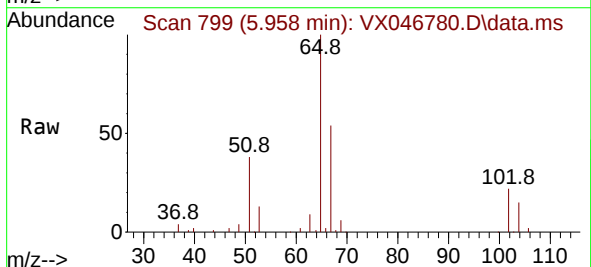
Instrument :
MSVOA_X
ClientSampleId :
VX0620WBL01

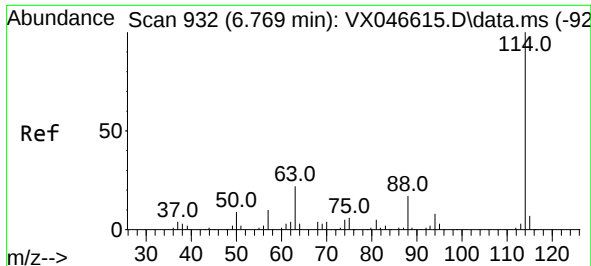
Tgt Ion:128 Resp: 15094
Ion Ratio Lower Upper
128 100
49 308.7 0.0 448.3
130 147.4 0.0 312.0



#27
1,2-Dichloroethane-d4
Concen: 47.302 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.012 min
Lab File: VX046780.D
Acq: 20 Jun 2025 13:40

Tgt Ion: 65 Resp: 57794
Ion Ratio Lower Upper
65 100
67 51.1 41.4 62.2

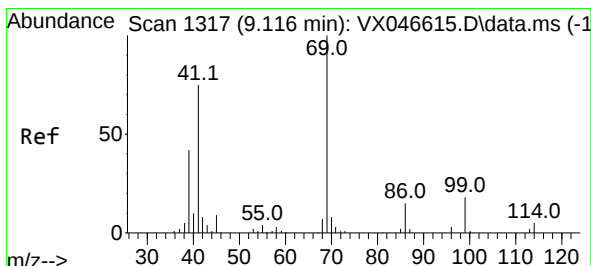
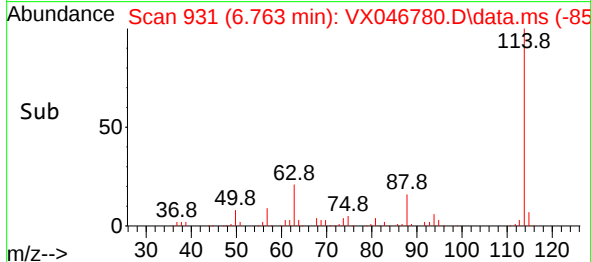
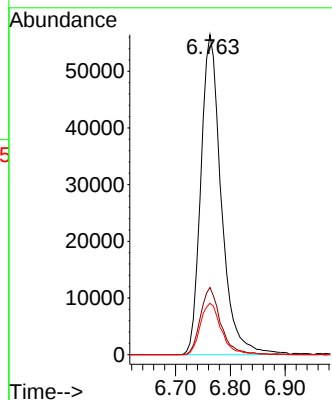
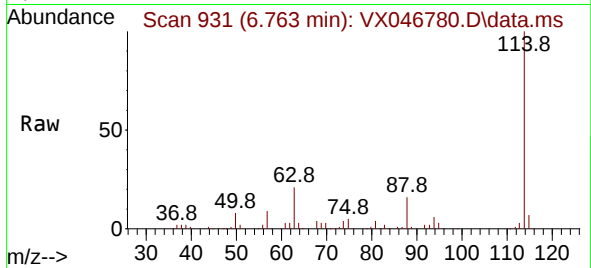




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046780.D
Acq: 20 Jun 2025 13:40

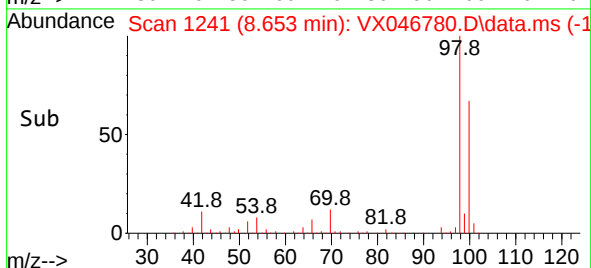
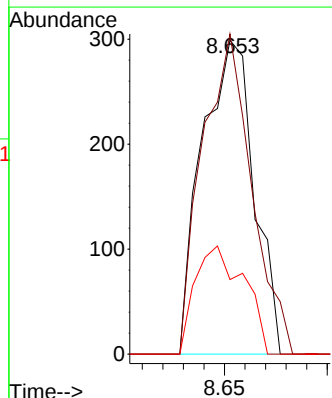
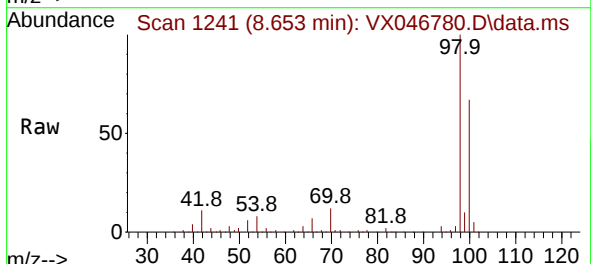
Instrument :
MSVOA_X
ClientSampleId :
VX0620WBL01

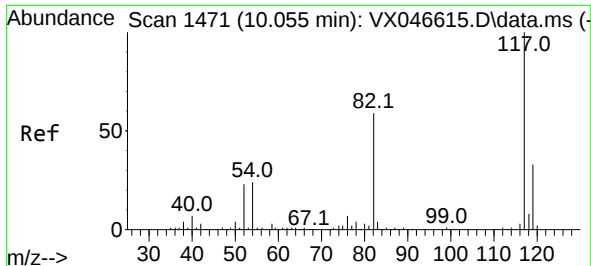
Tgt Ion:114 Resp: 146040
Ion Ratio Lower Upper
114 100
63 20.6 18.1 27.1
88 16.3 14.1 21.1



#51
Ethyl methacrylate
Concen: 0.217 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX046780.D
Acq: 20 Jun 2025 13:40

Tgt Ion: 69 Resp: 524
Ion Ratio Lower Upper
69 100
41 102.0 37.4 112.2
39 23.7 20.8 62.5





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.006 min

Lab File: VX046780.D

Acq: 20 Jun 2025 13:40

Instrument :

MSVOA_X

ClientSampleId :

VX0620WBL01

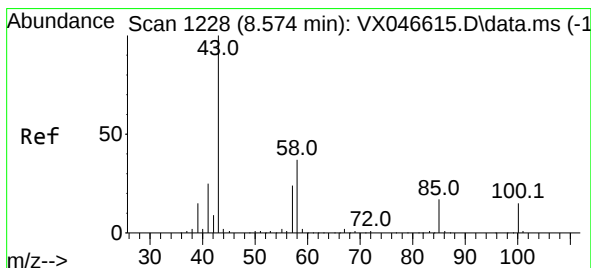
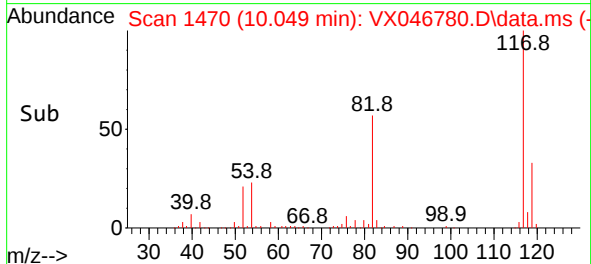
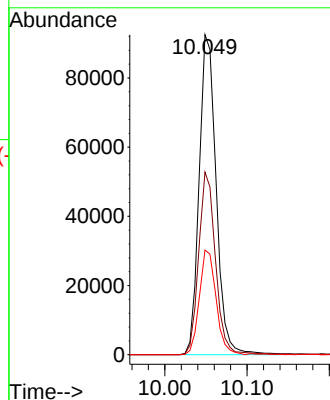
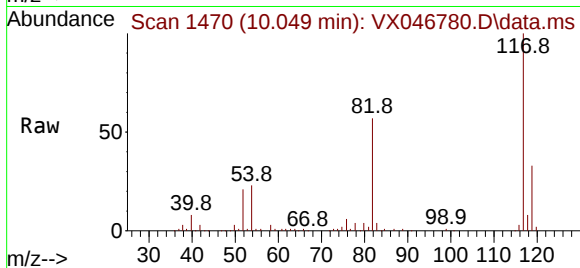
Tgt Ion:117 Resp: 133167

Ion Ratio Lower Upper

117 100

82 56.3 46.5 69.7

119 32.1 25.8 38.6



#58

4-Methyl-2-Pentanone

Concen: 0.333 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX046780.D

Acq: 20 Jun 2025 13:40

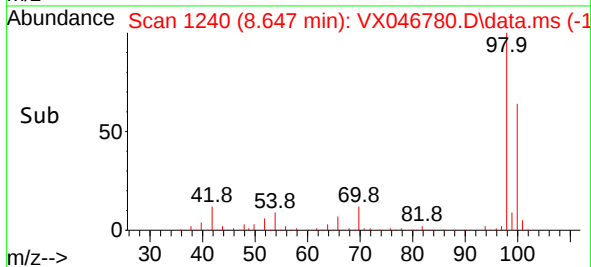
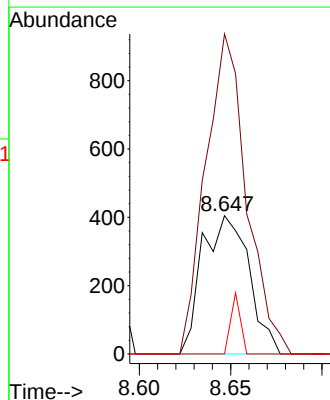
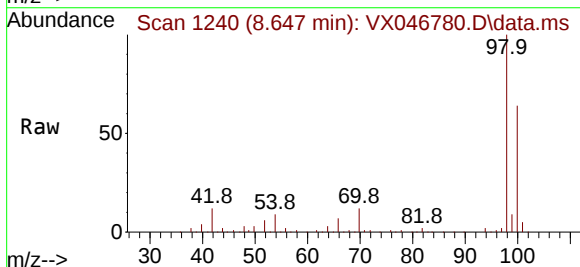
Tgt Ion: 43 Resp: 721

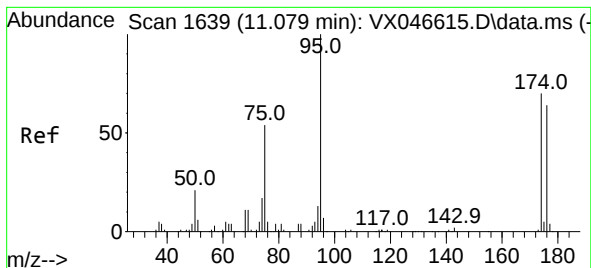
Ion Ratio Lower Upper

43 100

58 202.9 29.4 44.2#

85 0.0 13.3 19.9#

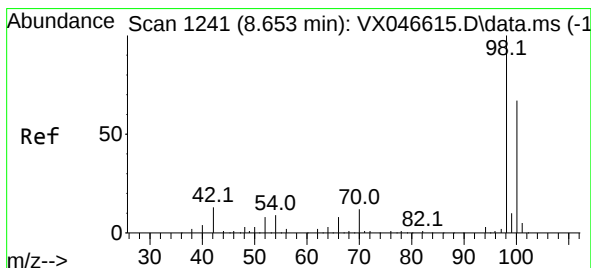
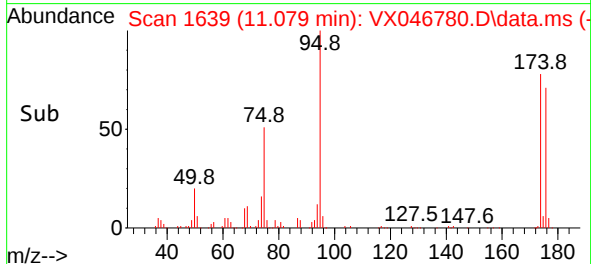
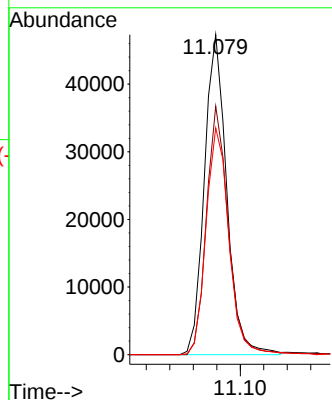
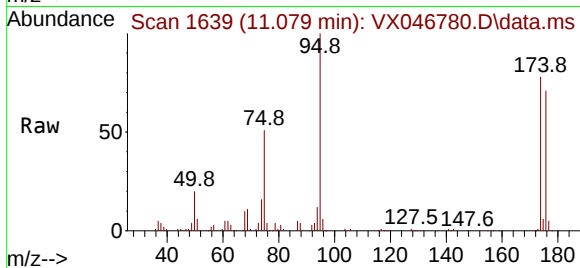




#60
4-Bromofluorobenzene
Concen: 27.780 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046780.D
Acq: 20 Jun 2025 13:40

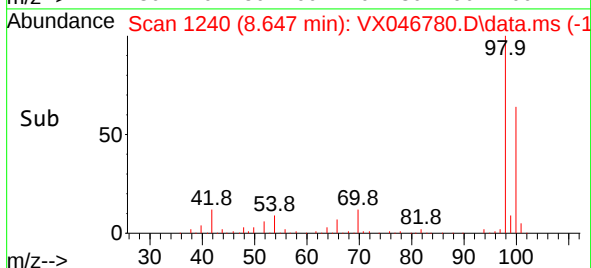
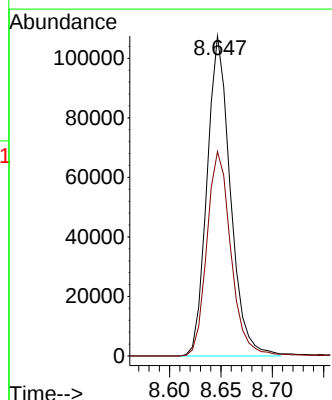
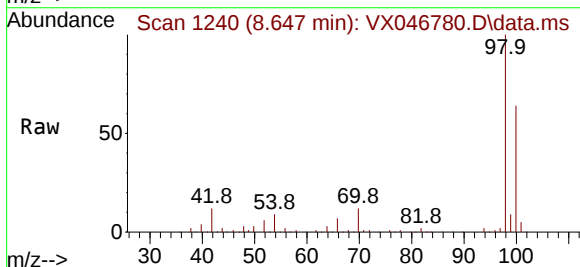
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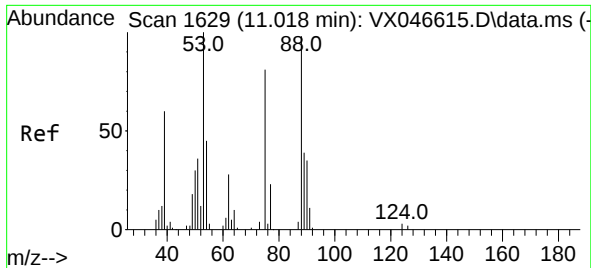
Tgt Ion: 95 Resp: 62355
Ion Ratio Lower Upper
95 100
174 75.8 56.0 84.0
176 72.7 52.2 78.4



#63
Toluene-d8
Concen: 28.590 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046780.D
Acq: 20 Jun 2025 13:40

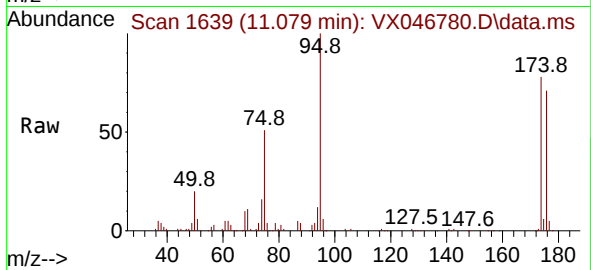
Tgt Ion: 98 Resp: 170060
Ion Ratio Lower Upper
98 100
100 66.2 52.6 79.0





#77
t-1,4-Dichloro-2-butene
Concen: 48.589 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX046780.D
Acq: 20 Jun 2025 13:40

Instrument :
MSVOA_X
ClientSampleId :
VX0620WBL01



Tgt Ion: 75 Resp: 31702
Ion Ratio Lower Upper
75 100
53 0.0 61.9 185.7#
89 0.0 24.0 72.0#

