

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046679.D
 Acq On : 13 Jun 2025 11:15
 Operator : JC/MD
 Sample : Q2302-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 250611056-09-TRIP-BLANK

Quant Time: Jun 13 23:02:58 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)

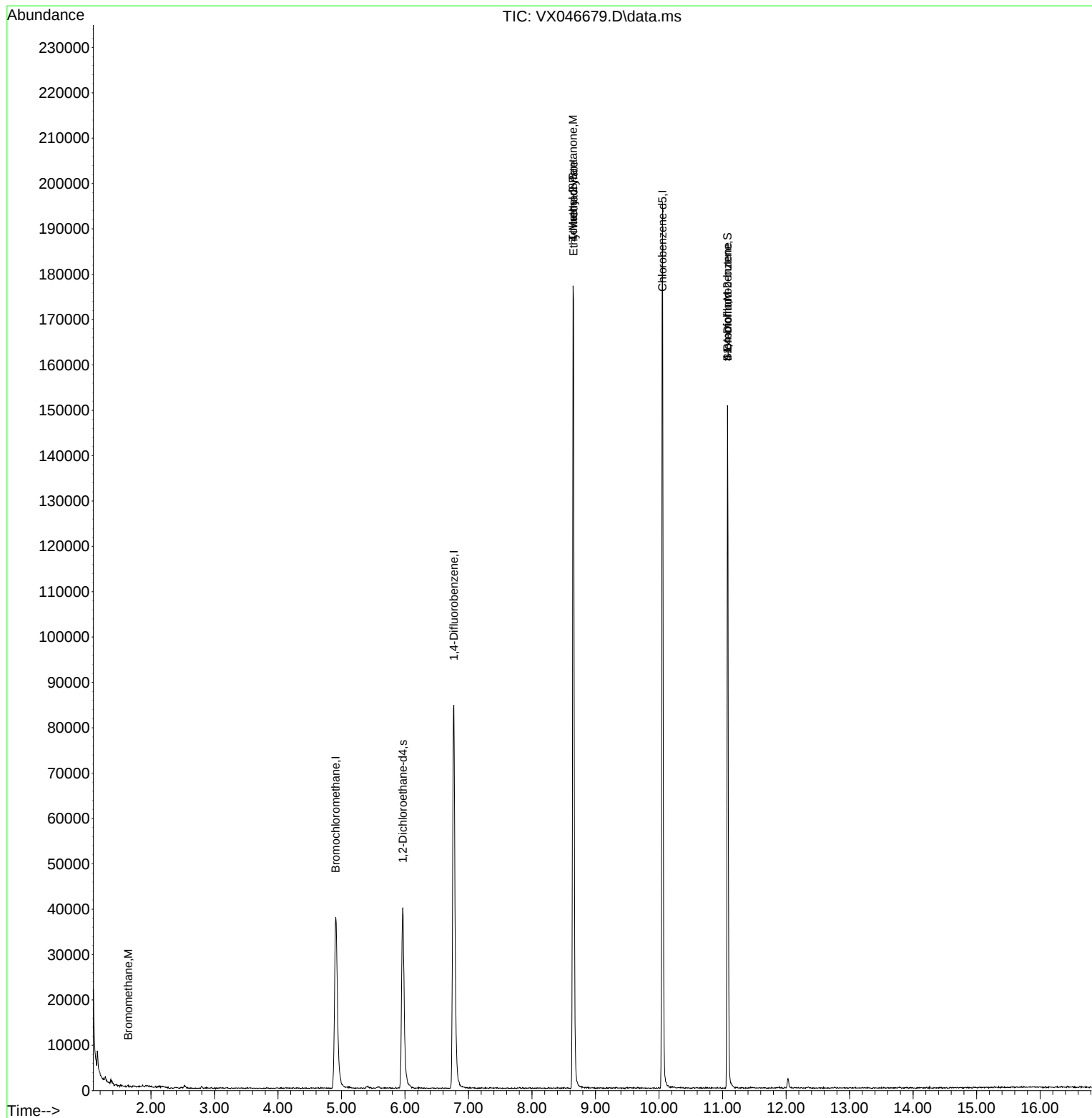
Internal Standards						
1) Bromochloromethane	4.910	128	16270	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	91078	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	85692	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	42261	32.088	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.967%
60) 4-Bromofluorobenzene	11.079	95	40335	27.926	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.100%
63) Toluene-d8	8.647	98	108466	28.338	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	94.467%
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	144	0.229	ug/l #	62
51) Ethyl methacrylate	8.653	69	361	0.240	ug/l	96
56) Bromoform	11.079	173	170	0.236	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	608	0.436	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	21798	51.919	ug/l #	1

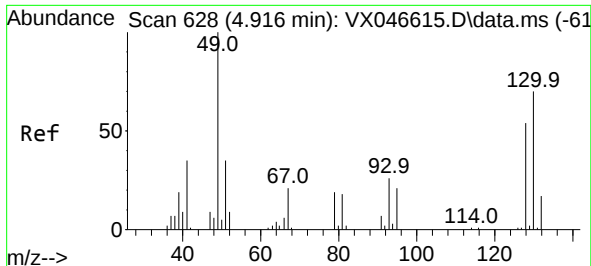
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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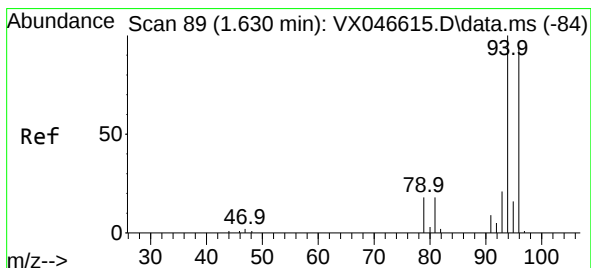
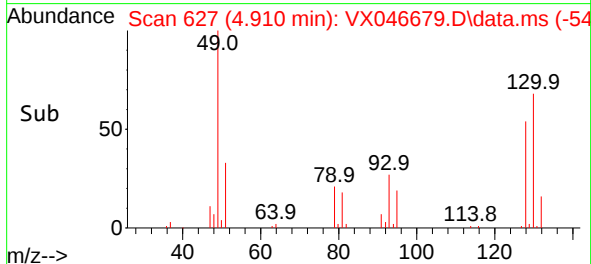
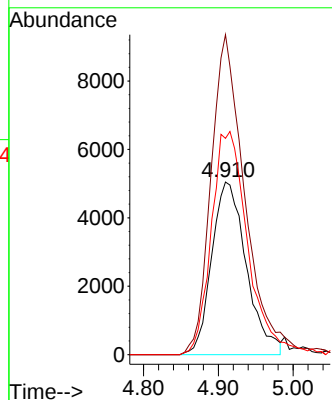
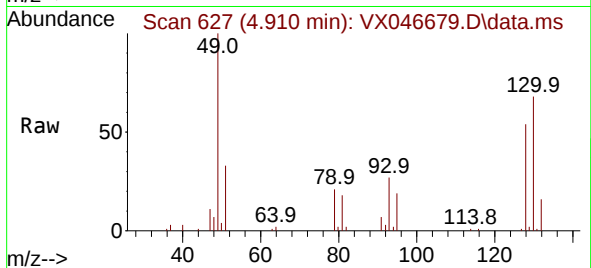




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX046679.D
Acq: 13 Jun 2025 11:15

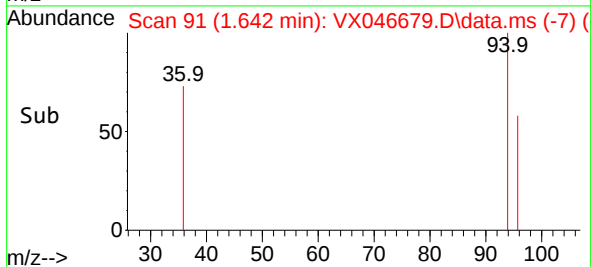
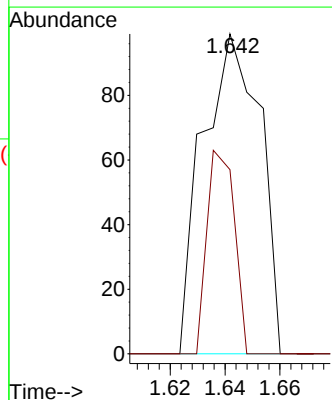
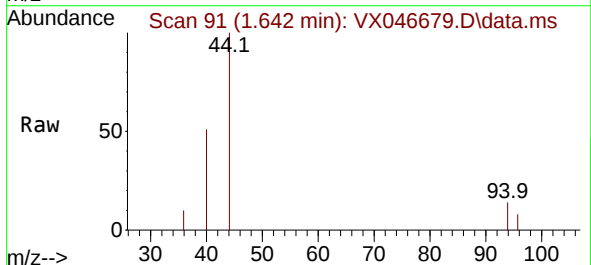
Instrument :
MSVOA_X
ClientSampleId :
250611056-09-TRIP-BLANK

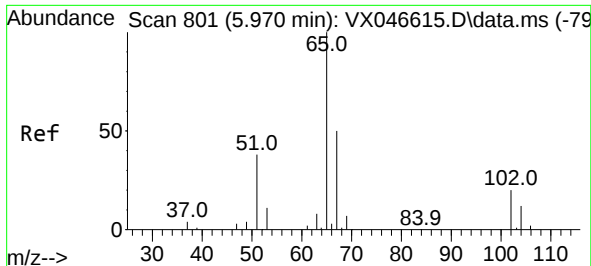
Tgt Ion:128 Resp: 16270
Ion Ratio Lower Upper
128 100
49 180.7 0.0 448.3
130 136.1 0.0 312.0



#5
Bromomethane
Concen: 0.229 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.012 min
Lab File: VX046679.D
Acq: 13 Jun 2025 11:15

Tgt Ion: 94 Resp: 144
Ion Ratio Lower Upper
94 100
96 57.6 75.5 113.3#





#27

1,2-Dichloroethane-d4

Concen: 32.088 ug/l

RT: 5.964 min Scan# 801

Delta R.T. -0.006 min

Lab File: VX046679.D

Acq: 13 Jun 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

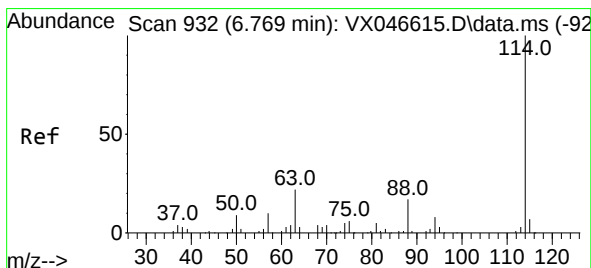
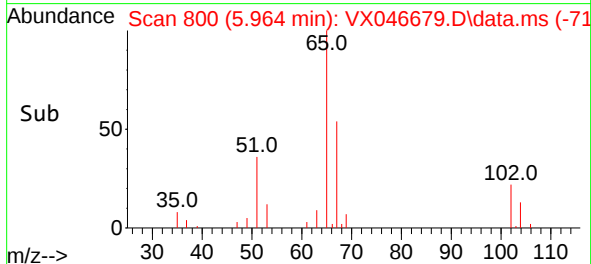
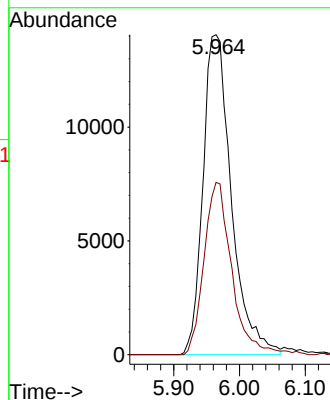
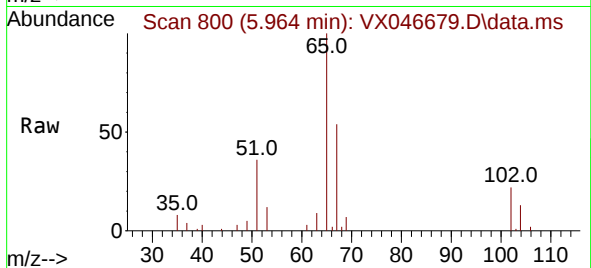
250611056-09-TRIP-BLANK

Tgt Ion: 65 Resp: 42261

Ion Ratio Lower Upper

65 100

67 52.1 41.4 62.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX046679.D

Acq: 13 Jun 2025 11:15

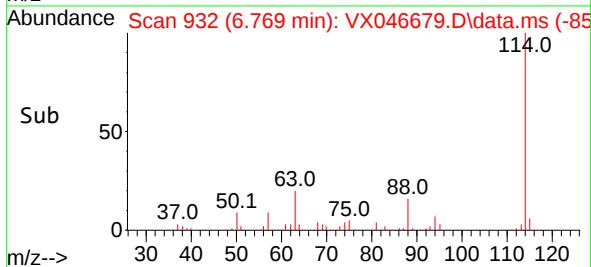
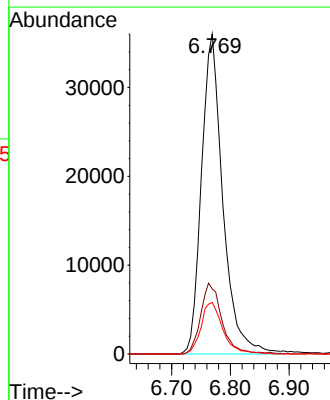
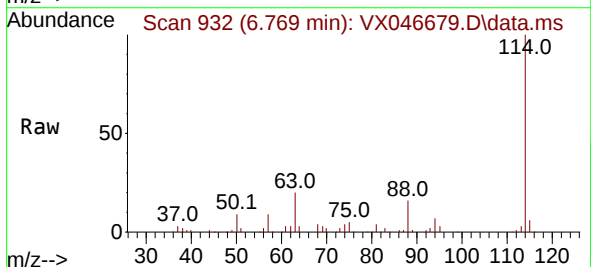
Tgt Ion: 114 Resp: 91078

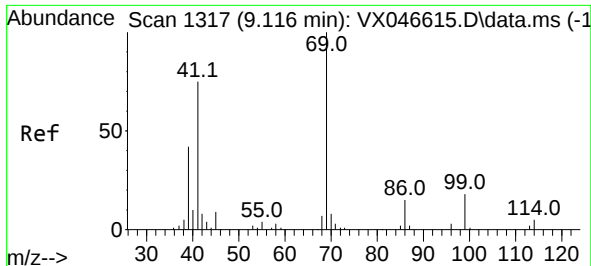
Ion Ratio Lower Upper

114 100

63 21.6 18.1 27.1

88 16.0 14.1 21.1

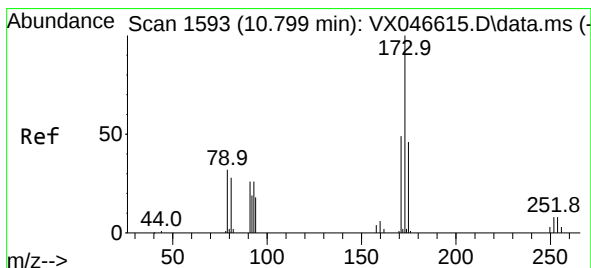
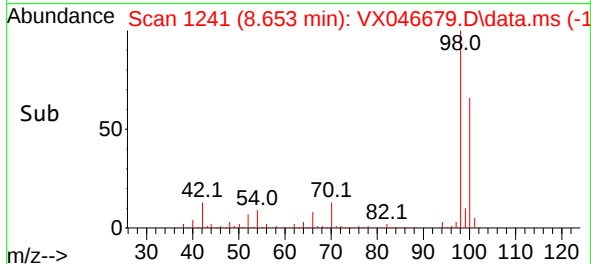
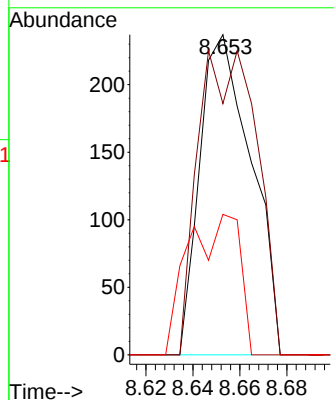
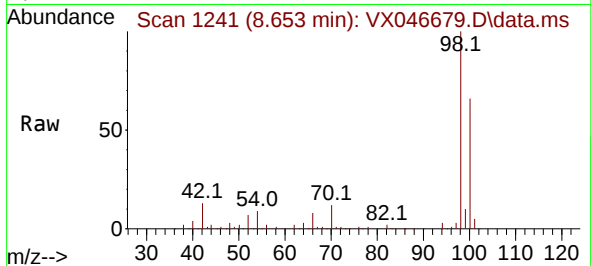




#51
Ethyl methacrylate
Concen: 0.240 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX046679.D
Acq: 13 Jun 2025 11:15

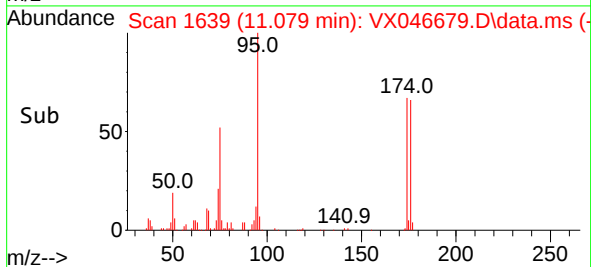
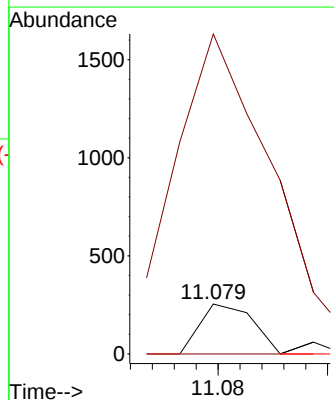
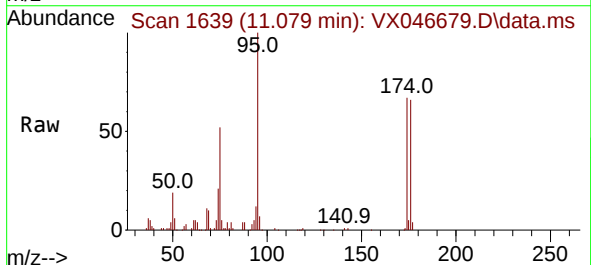
Instrument :
MSVOA_X
ClientSampleId :
250611056-09-TRIP-BLANK

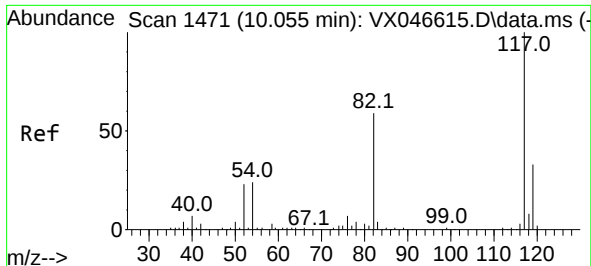
Tgt Ion: 69 Resp: 361
Ion Ratio Lower Upper
69 100
41 78.5 37.4 112.2
39 43.9 20.8 62.5



#56
Bromoform
Concen: 0.236 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX046679.D
Acq: 13 Jun 2025 11:15

Tgt Ion:173 Resp: 170
Ion Ratio Lower Upper
173 100
175 1226.5 38.0 57.0#
254 0.0 6.7 10.1#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX046679.D

Acq: 13 Jun 2025 11:15

Instrument :

MSVOA_X

ClientSampleId :

250611056-09-TRIP-BLANK

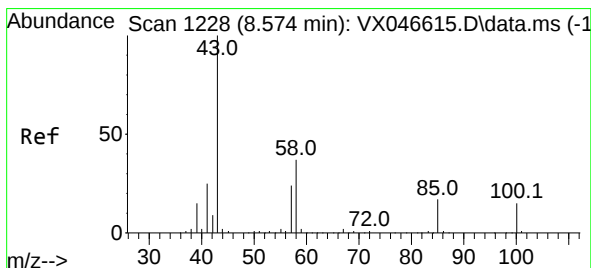
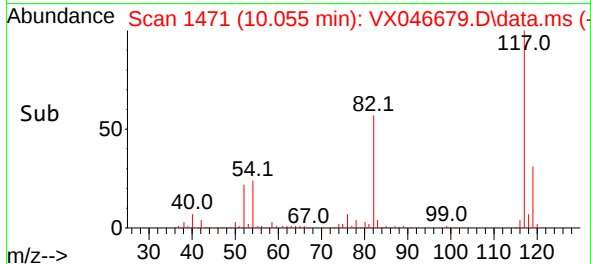
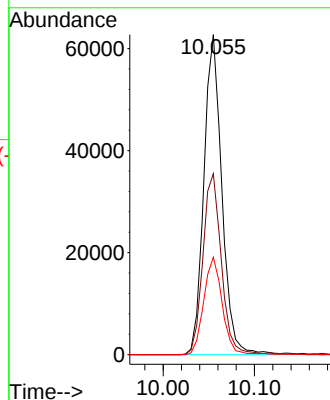
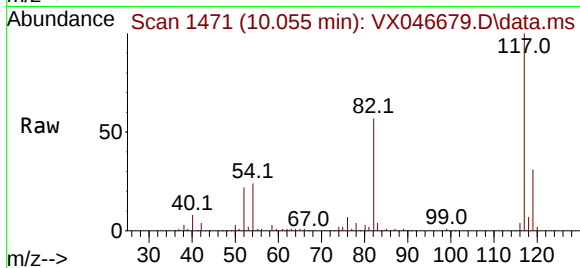
Tgt Ion:117 Resp: 85692

Ion Ratio Lower Upper

117 100

82 57.7 46.5 69.7

119 31.0 25.8 38.6



#58

4-Methyl-2-Pentanone

Concen: 0.436 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX046679.D

Acq: 13 Jun 2025 11:15

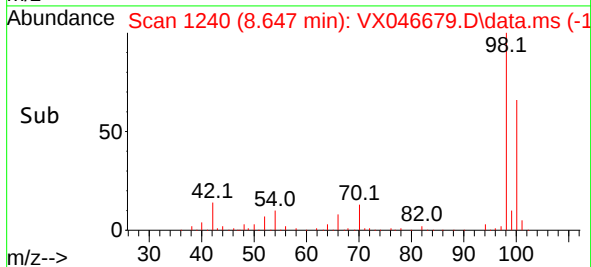
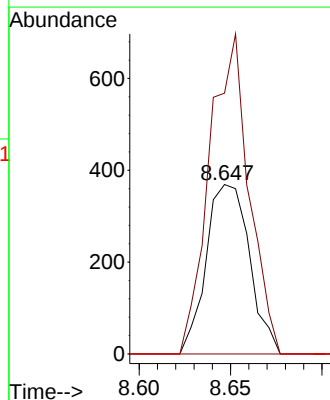
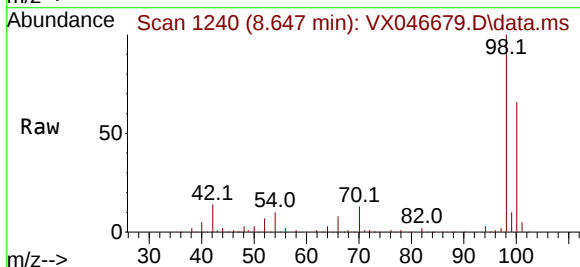
Tgt Ion: 43 Resp: 608

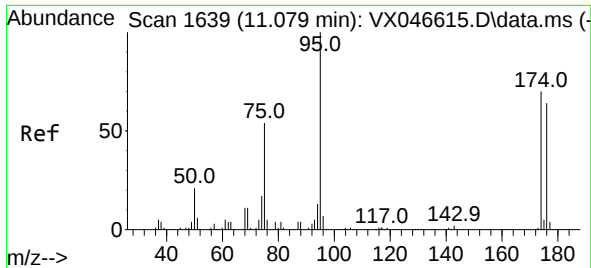
Ion Ratio Lower Upper

43 100

58 172.5 29.4 44.2#

85 0.0 13.3 19.9#

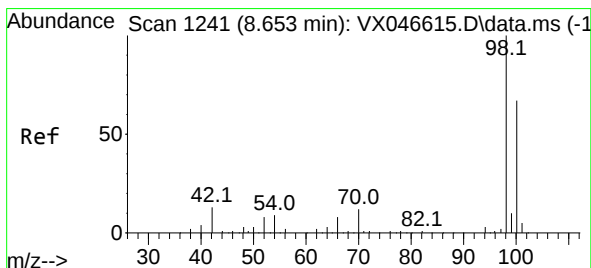
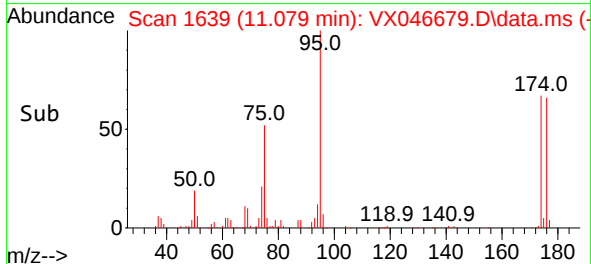
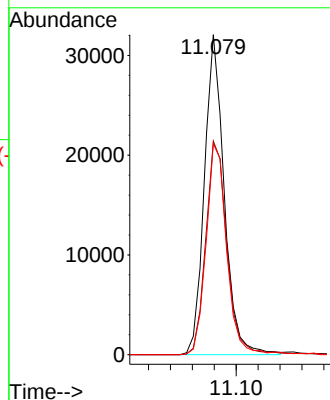
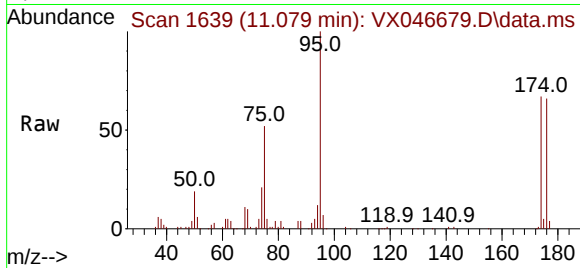




#60
4-Bromofluorobenzene
Concen: 27.926 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046679.D
Acq: 13 Jun 2025 11:15

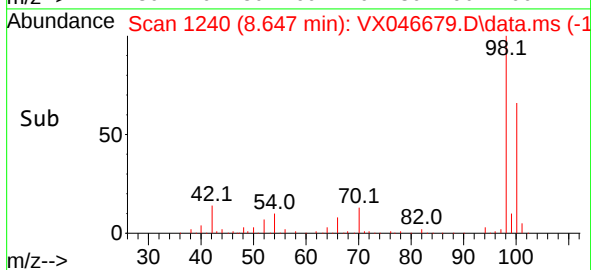
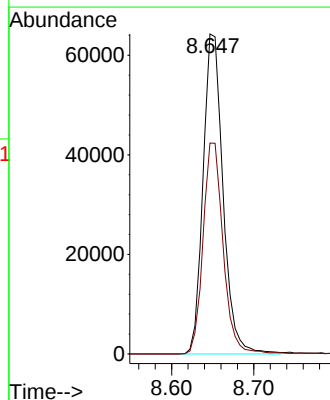
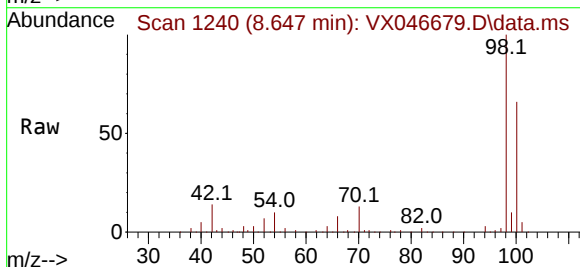
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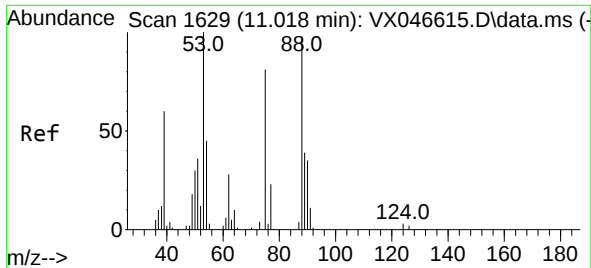
Tgt Ion: 95 Resp: 40335
Ion Ratio Lower Upper
95 100
174 71.6 56.0 84.0
176 67.8 52.2 78.4



#63
Toluene-d8
Concen: 28.338 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046679.D
Acq: 13 Jun 2025 11:15

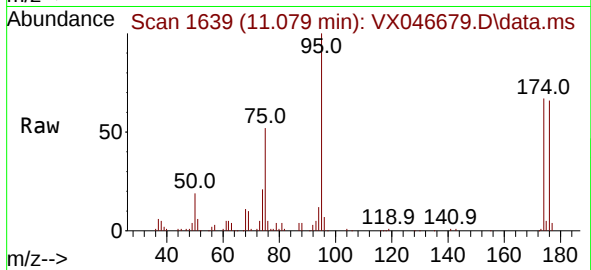
Tgt Ion: 98 Resp: 108466
Ion Ratio Lower Upper
98 100
100 66.0 52.6 79.0





#77
t-1,4-Dichloro-2-butene
Concen: 51.919 ug/l
RT: 11.079 min Scan# 10
Delta R.T. 0.061 min
Lab File: VX046679.D
Acq: 13 Jun 2025 11:15

Instrument :
MSVOA_X
ClientSampleId :
250611056-09-TRIP-BLANK



Tgt Ion: 75 Resp: 21798
Ion Ratio Lower Upper
75 100
53 0.0 61.9 185.7#
89 0.0 24.0 72.0#

