

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062025\
 Data File : VX046781.D
 Acq On : 20 Jun 2025 14:10
 Operator : JC/MD
 Sample : Q2366-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 250618063-05-TRIP-BLANK

Quant Time: Jun 20 23:14:44 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)

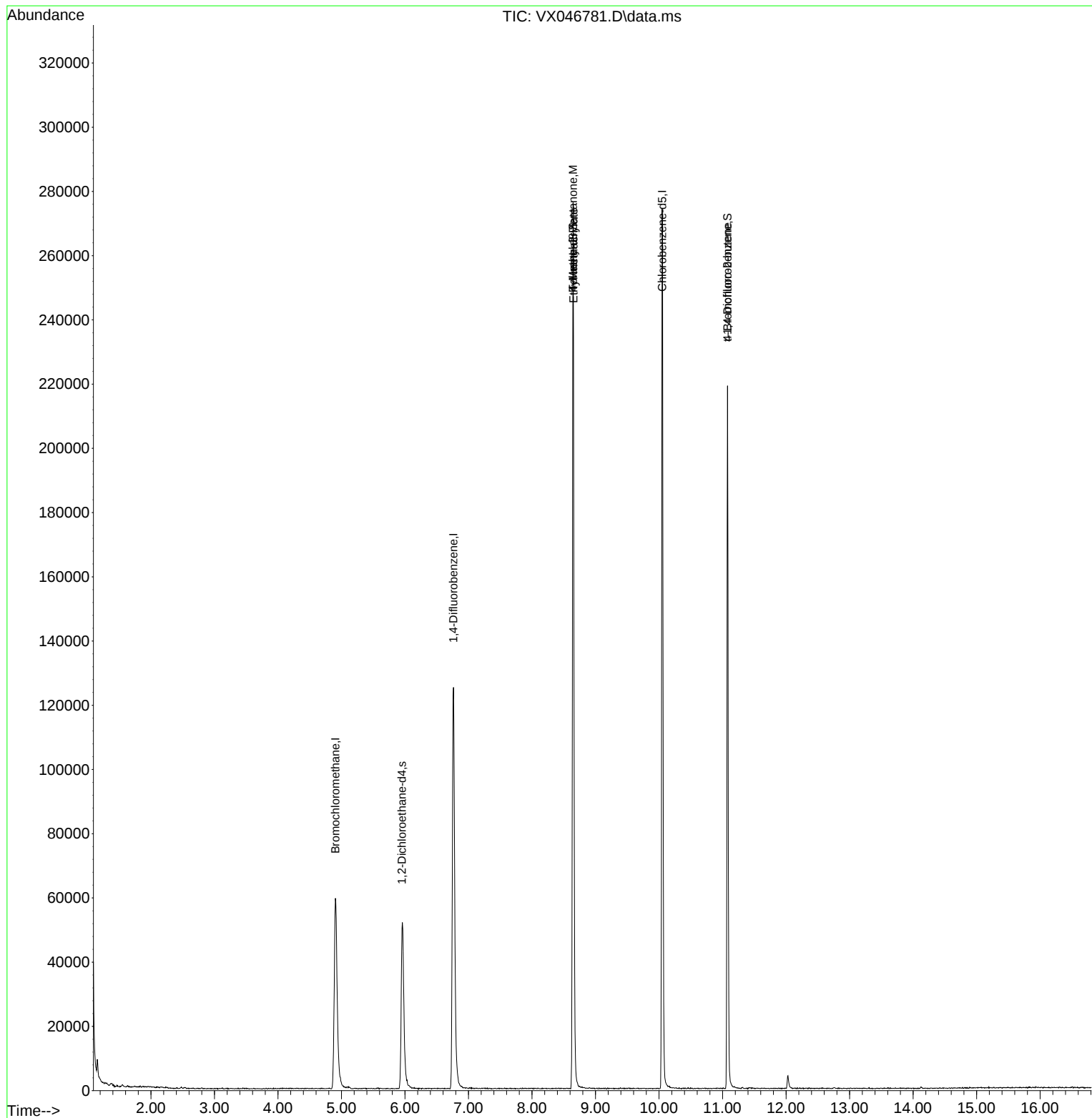
Internal Standards						
1) Bromochloromethane	4.904	128	20177	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	6.763	114	139681	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	128987	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	55687	34.095	ug/l	-0.02
Spiked Amount	30.000	Range	91 - 110	Recovery	=	113.667%#
60) 4-Bromofluorobenzene	11.079	95	61011	28.062	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.533%
63) Toluene-d8	8.647	98	165862	28.788	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	95.967%
Target Compounds						
					Qvalue	
51) Ethyl methacrylate	8.653	69	481	0.208	ug/l #	78
58) 4-Methyl-2-Pentanone	8.647	43	715	0.341	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30156	47.717	ug/l #	1

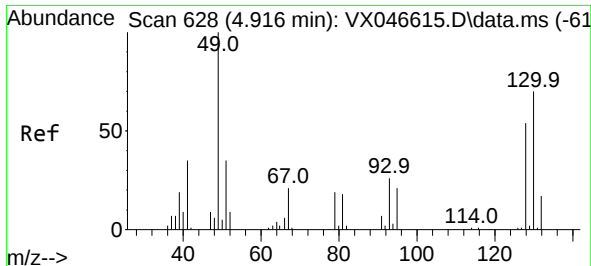
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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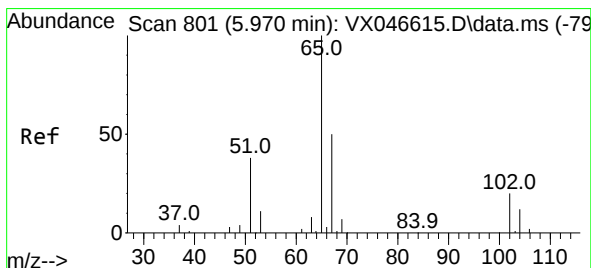
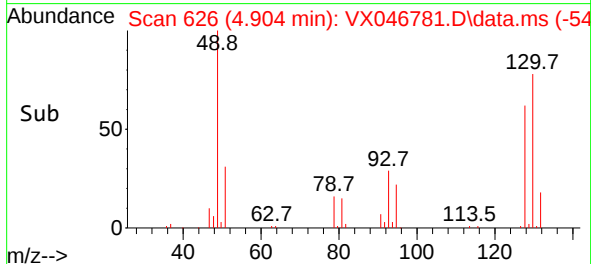
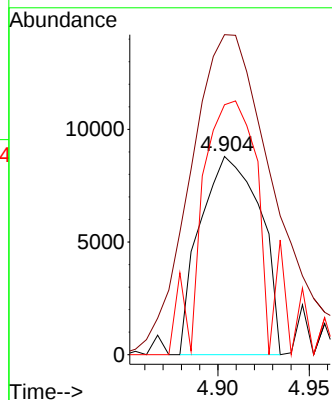
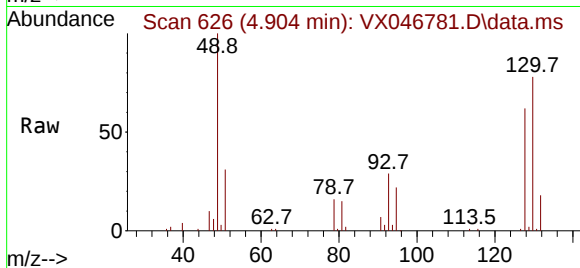




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.012 min
Lab File: VX046781.D
Acq: 20 Jun 2025 14:10

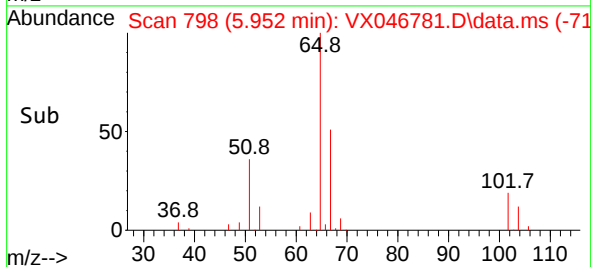
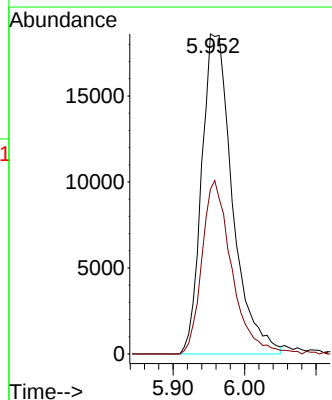
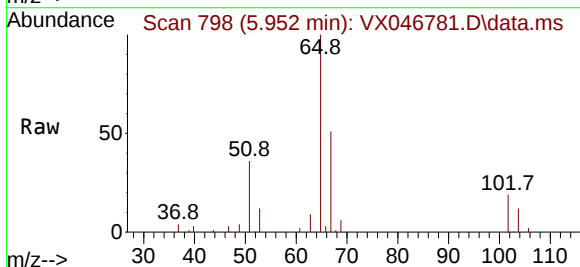
Instrument :
MSVOA_X
ClientSampleId :
250618063-05-TRIP-BLANK

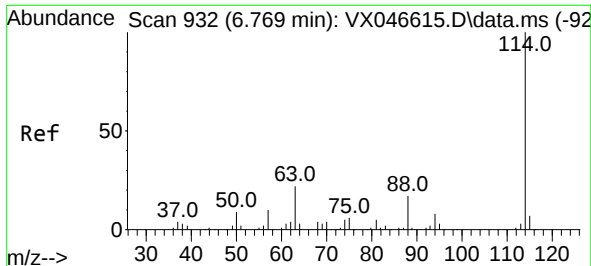
Tgt Ion:	128	Resp:	20177
Ion	Ratio	Lower	Upper
128	100		
49	233.0	0.0	448.3
130	107.0	0.0	312.0



#27
1,2-Dichloroethane-d4
Concen: 34.095 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.018 min
Lab File: VX046781.D
Acq: 20 Jun 2025 14:10

Tgt Ion:	65	Resp:	55687
Ion	Ratio	Lower	Upper
65	100		
67	52.4	41.4	62.2

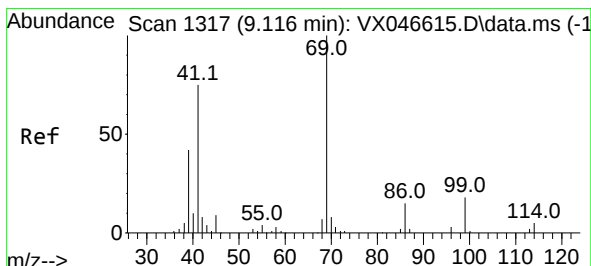
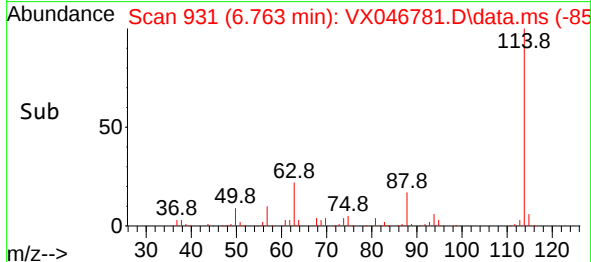
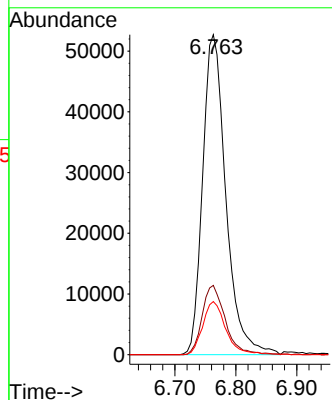
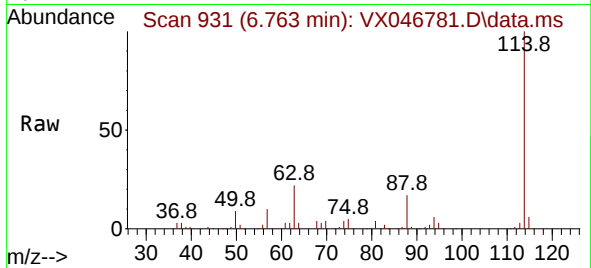




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX046781.D
Acq: 20 Jun 2025 14:10

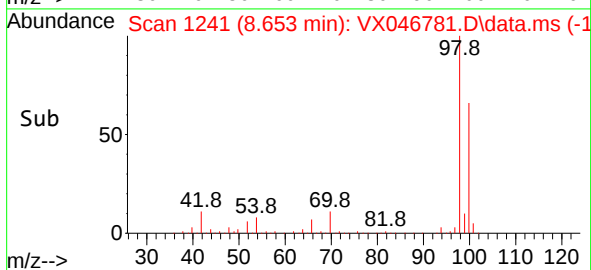
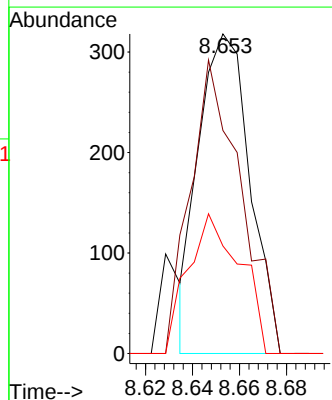
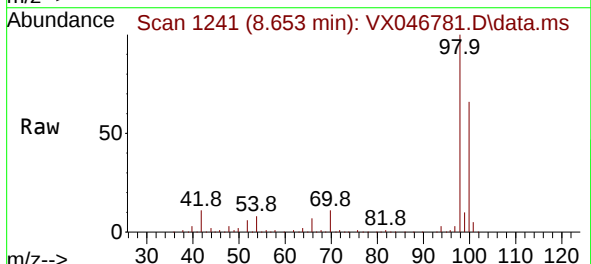
Instrument :
MSVOA_X
ClientSampleId :
250618063-05-TRIP-BLANK

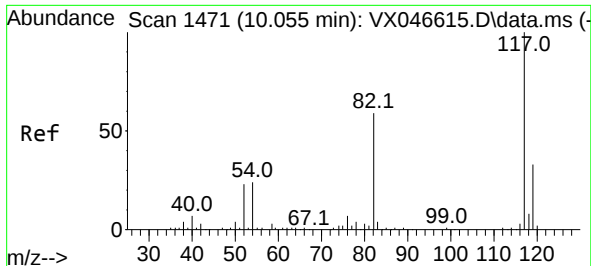
Tgt Ion:114 Resp: 139681
Ion Ratio Lower Upper
114 100
63 21.3 18.1 27.1
88 16.2 14.1 21.1



#51
Ethyl methacrylate
Concen: 0.208 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX046781.D
Acq: 20 Jun 2025 14:10

Tgt Ion: 69 Resp: 481
Ion Ratio Lower Upper
69 100
41 69.8 37.4 112.2
39 10.1 20.8 62.5#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.049 min Scan# 14

Delta R.T. -0.006 min

Lab File: VX046781.D

Acq: 20 Jun 2025 14:10

Instrument :

MSVOA_X

ClientSampleId :

250618063-05-TRIP-BLANK

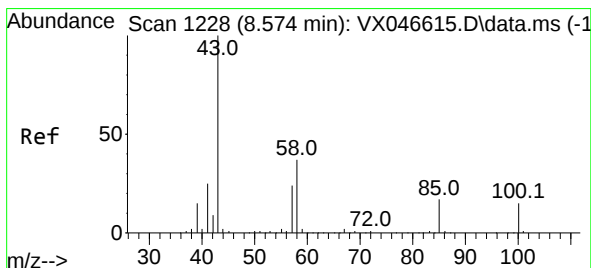
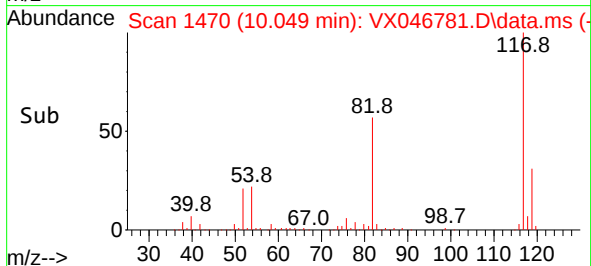
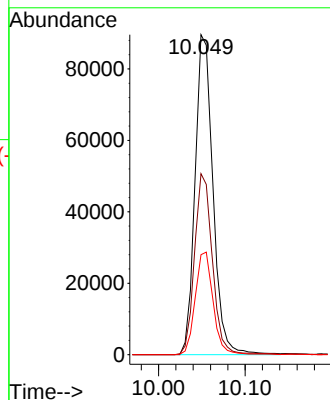
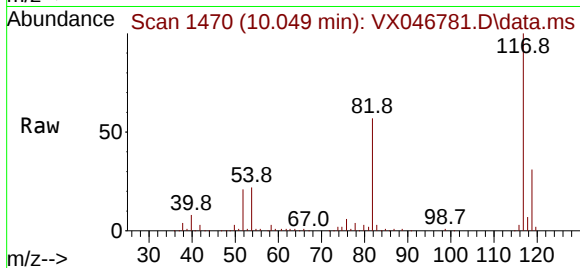
Tgt Ion:117 Resp: 128987

Ion Ratio Lower Upper

117 100

82 56.4 46.5 69.7

119 31.9 25.8 38.6



#58

4-Methyl-2-Pentanone

Concen: 0.341 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX046781.D

Acq: 20 Jun 2025 14:10

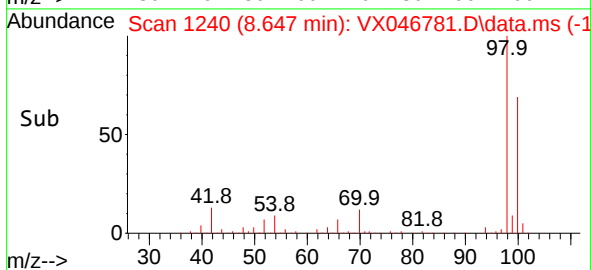
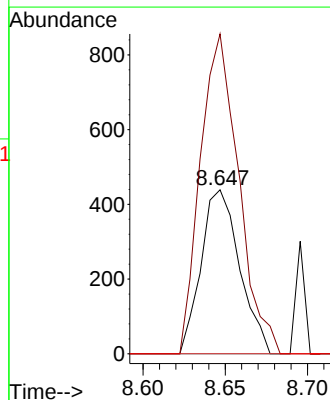
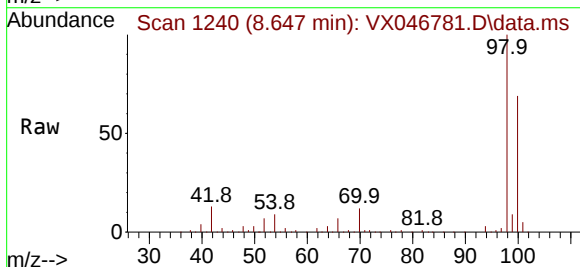
Tgt Ion: 43 Resp: 715

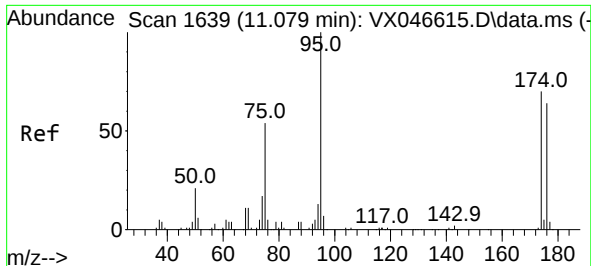
Ion Ratio Lower Upper

43 100

58 194.0 29.4 44.2#

85 0.0 13.3 19.9#

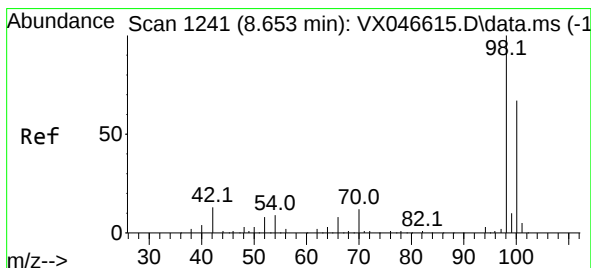
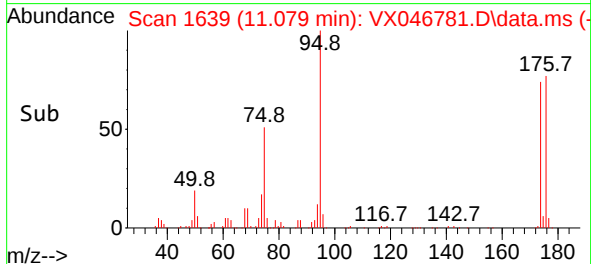
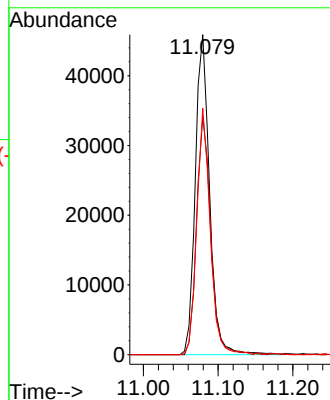
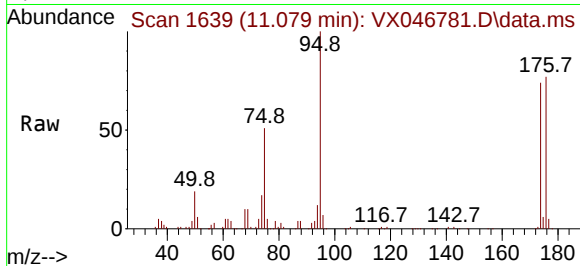




#60
4-Bromofluorobenzene
Concen: 28.062 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046781.D
Acq: 20 Jun 2025 14:10

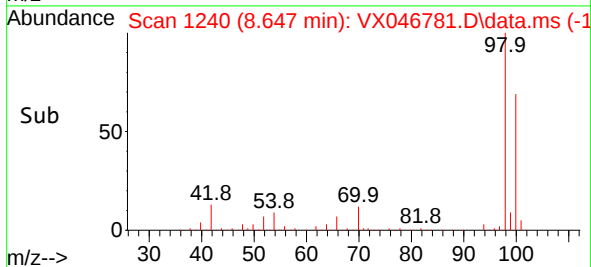
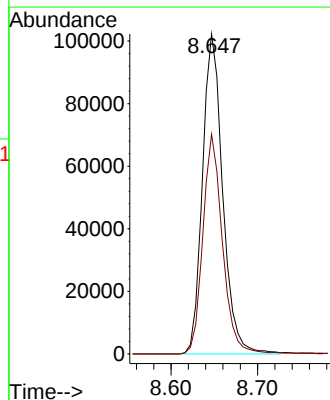
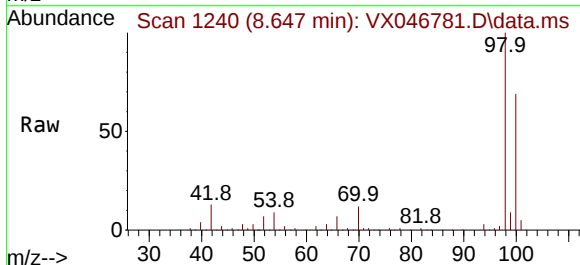
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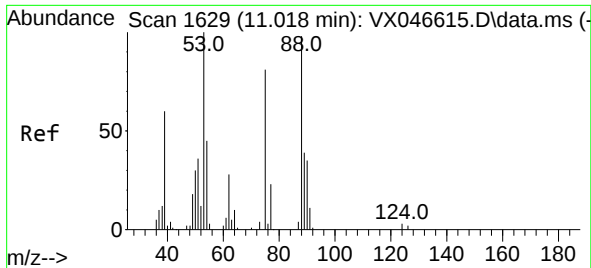
Tgt Ion: 95 Resp: 61011
Ion Ratio Lower Upper
95 100
174 73.4 56.0 84.0
176 71.3 52.2 78.4



#63
Toluene-d8
Concen: 28.788 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX046781.D
Acq: 20 Jun 2025 14:10

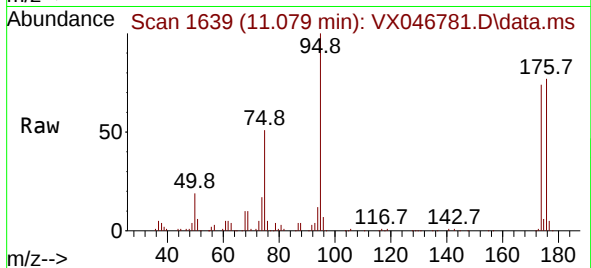
Tgt Ion: 98 Resp: 165862
Ion Ratio Lower Upper
98 100
100 66.5 52.6 79.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 47.717 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX046781.D
 Acq: 20 Jun 2025 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 250618063-05-TRIP-BLANK



Tgt Ion: 75 Resp: 30156
 Ion Ratio Lower Upper
 75 100
 53 0.0 61.9 185.7#
 89 0.0 24.0 72.0#

