

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061325\
 Data File : VX046678.D
 Acq On : 13 Jun 2025 10:47
 Operator : JC/MD
 Sample : VX0613WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBL01

Quant Time: Jun 13 23:02:43 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)

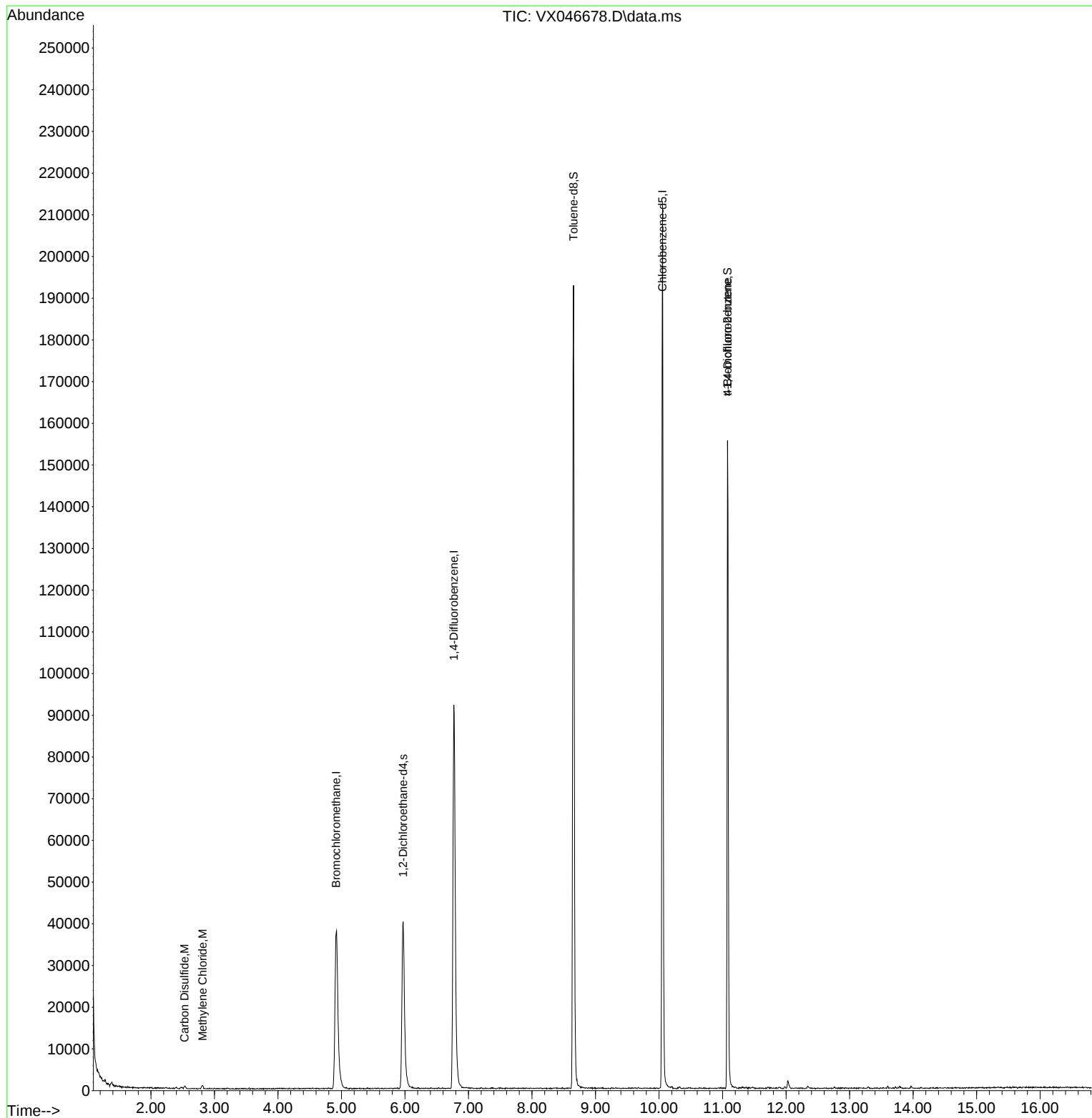
Internal Standards						
1) Bromochloromethane	4.916	128	18213	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	98625	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	90050	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.970	65	42782	29.019	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.733%
60) 4-Bromofluorobenzene	11.079	95	43724	28.807	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.033%
63) Toluene-d8	8.653	98	117534	29.221	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.400%
Target Compounds						
16) Carbon Disulfide	2.526	76	685	0.227	ug/l #	75
18) Methylene Chloride	2.812	84	451	0.376	ug/l #	84
77) t-1,4-Dichloro-2-butene	11.079	75	23817	53.982	ug/l #	1

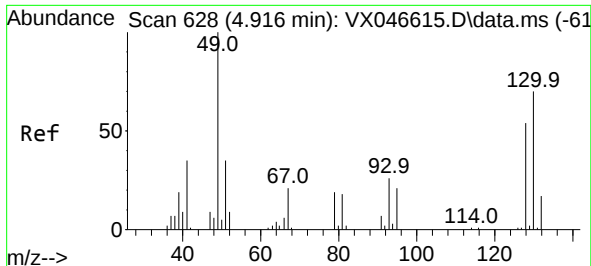
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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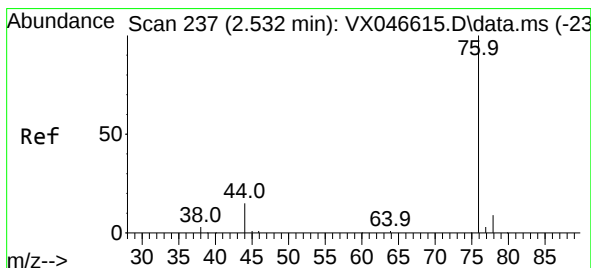
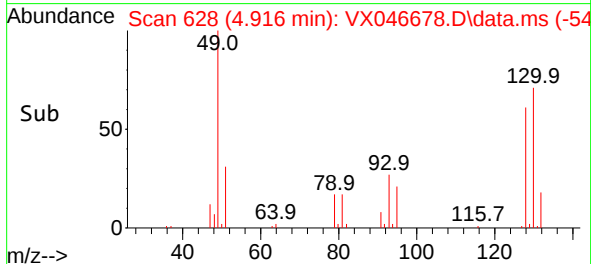
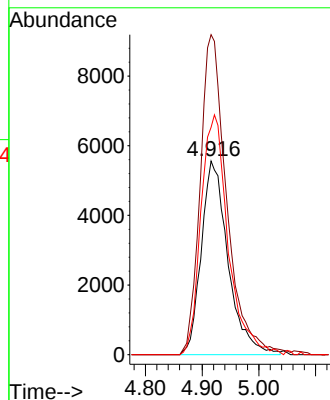
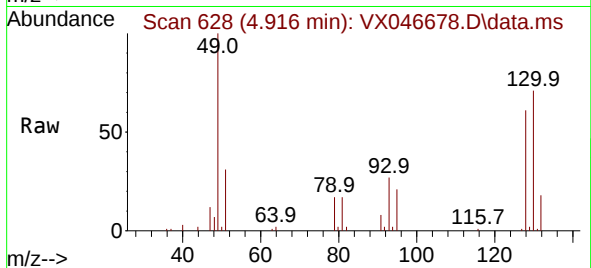




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.916 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX046678.D
Acq: 13 Jun 2025 10:47

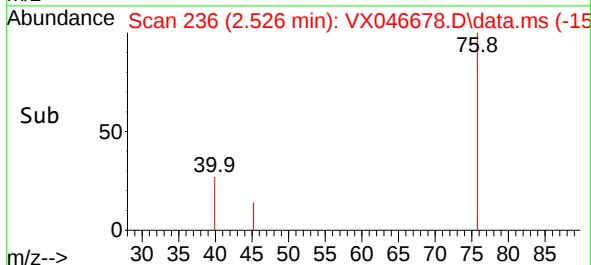
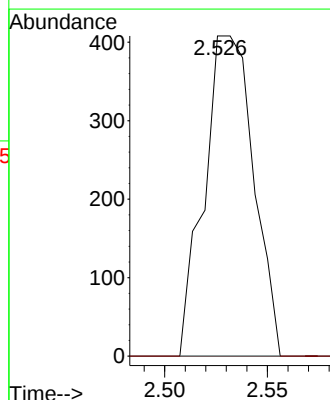
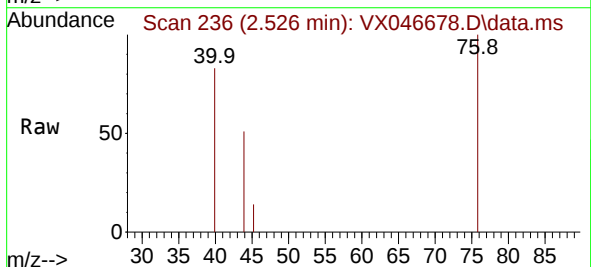
Instrument :
MSVOA_X
ClientSampleId :
VX0613WBL01

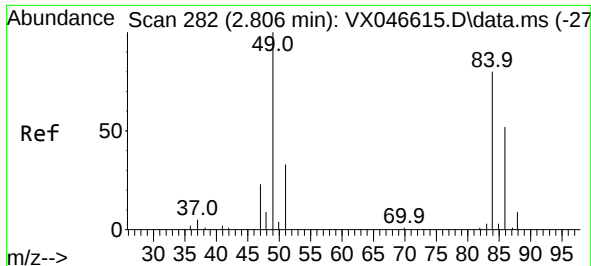
Tgt Ion:128 Resp: 18213
Ion Ratio Lower Upper
128 100
49 163.9 0.0 448.3
130 124.7 0.0 312.0



#16
Carbon Disulfide
Concen: 0.227 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046678.D
Acq: 13 Jun 2025 10:47

Tgt Ion: 76 Resp: 685
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

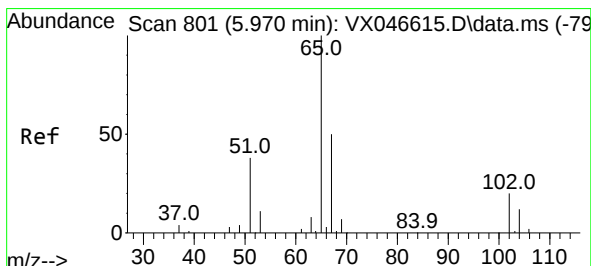
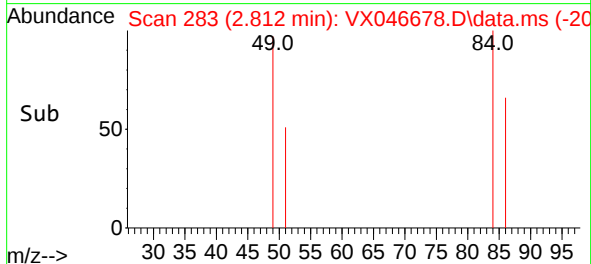
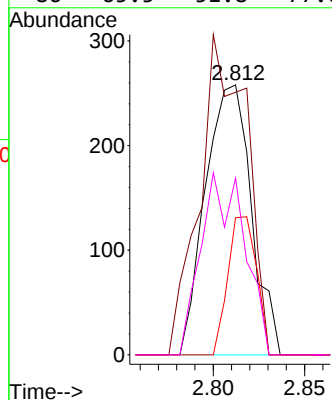
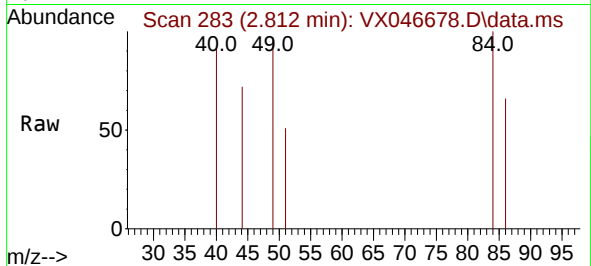




#18
Methylene Chloride
Concen: 0.376 ug/l
RT: 2.812 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046678.D
Acq: 13 Jun 2025 10:47

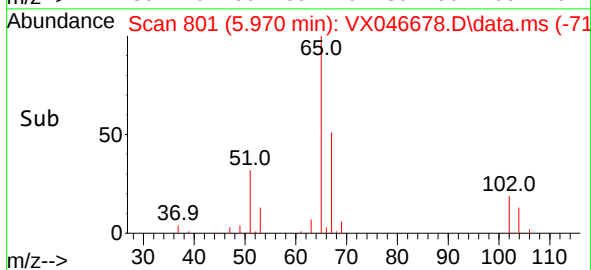
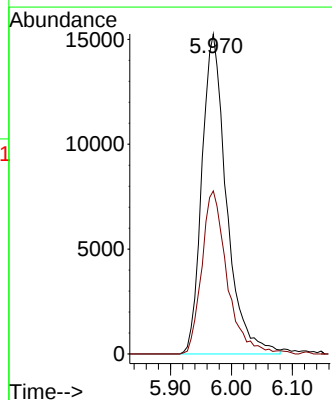
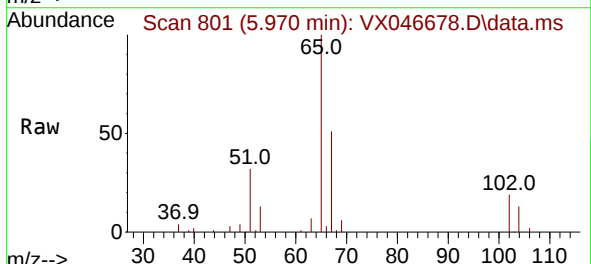
Instrument :
MSVOA_X
ClientSampleId :
VX0613WBL01

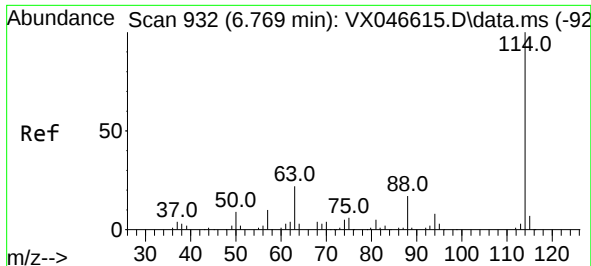
Tgt Ion: 84	Resp:	451
Ion	Ratio	Lower Upper
84	100	
49	97.3	100.1 150.1#
51	50.8	33.0 49.4#
86	65.5	51.8 77.6



#27
1,2-Dichloroethane-d4
Concen: 29.019 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.000 min
Lab File: VX046678.D
Acq: 13 Jun 2025 10:47

Tgt Ion: 65	Resp:	42782
Ion	Ratio	Lower Upper
65	100	
67	52.1	41.4 62.2

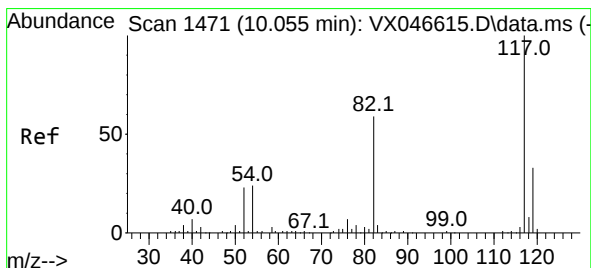
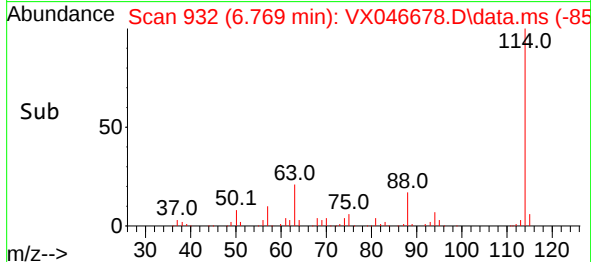
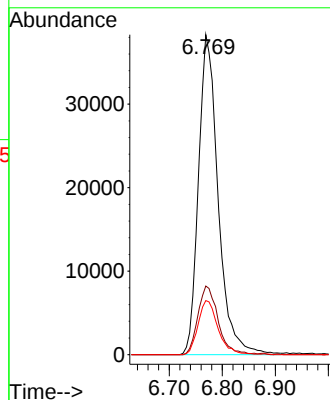
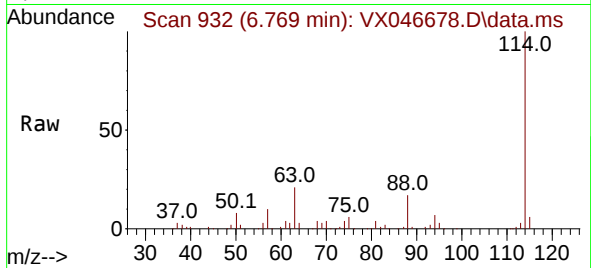




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.769 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX046678.D
Acq: 13 Jun 2025 10:47

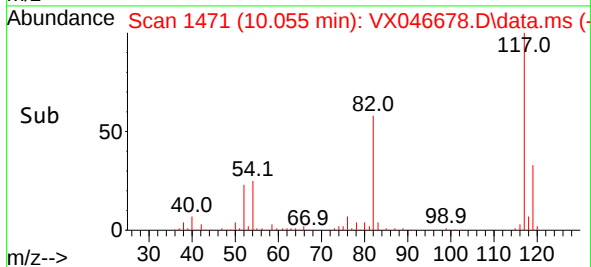
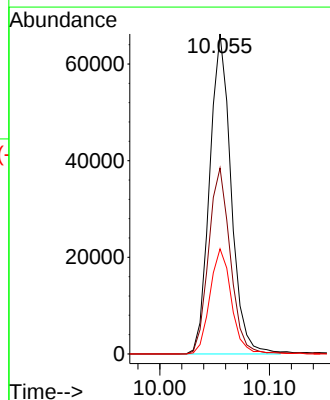
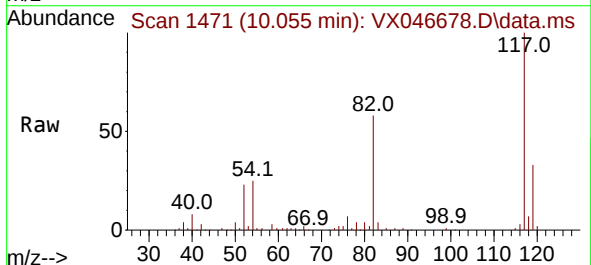
Instrument :
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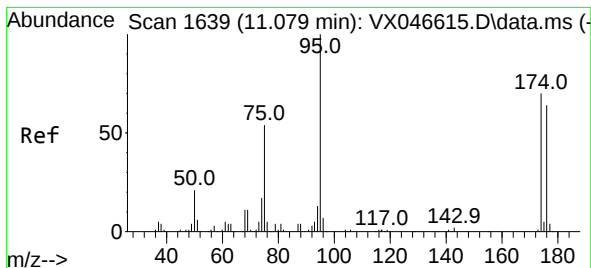
Tgt Ion:114 Resp: 98625
Ion Ratio Lower Upper
114 100
63 21.9 18.1 27.1
88 17.1 14.1 21.1



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046678.D
Acq: 13 Jun 2025 10:47

Tgt Ion:117 Resp: 90050
Ion Ratio Lower Upper
117 100
82 58.7 46.5 69.7
119 33.0 25.8 38.6

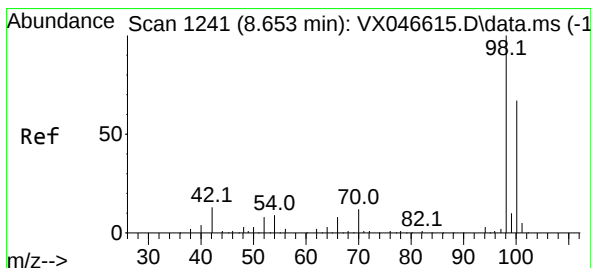
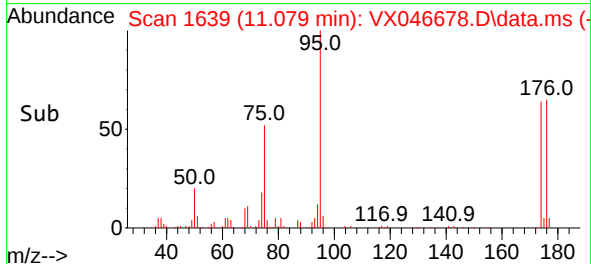
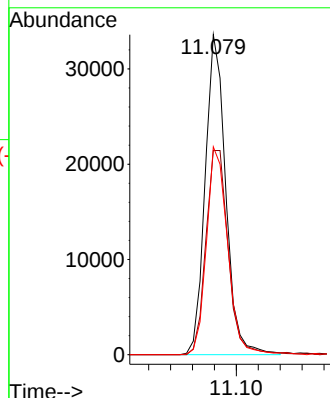
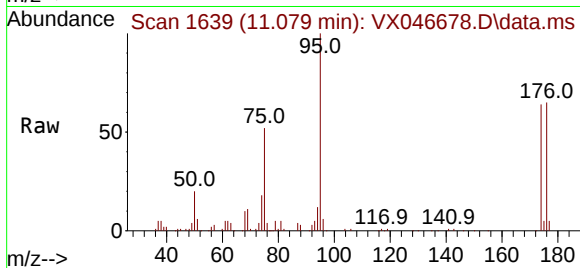




#60
4-Bromofluorobenzene
Concen: 28.807 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046678.D
Acq: 13 Jun 2025 10:47

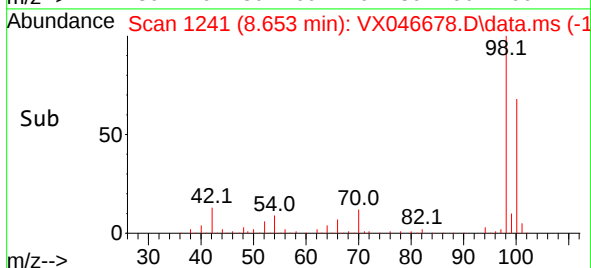
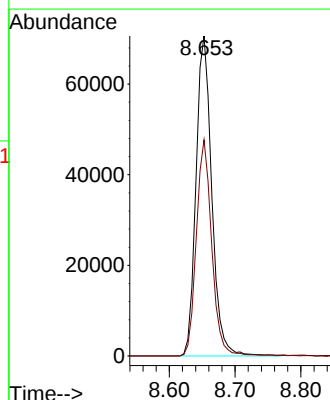
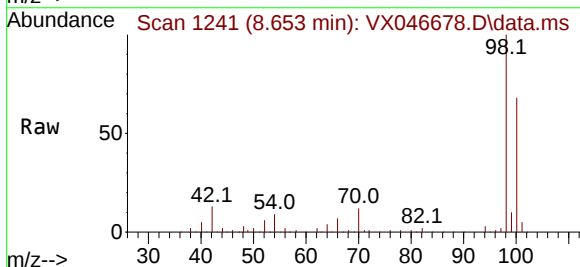
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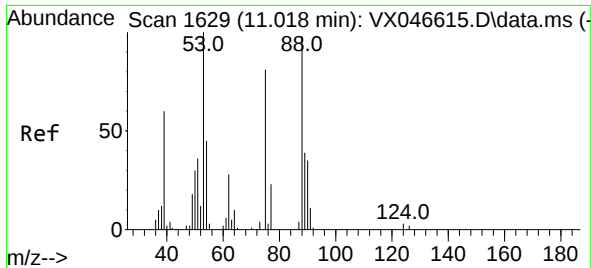
Tgt Ion: 95 Resp: 43724
Ion Ratio Lower Upper
95 100
174 69.5 56.0 84.0
176 66.7 52.2 78.4



#63
Toluene-d8
Concen: 29.221 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX046678.D
Acq: 13 Jun 2025 10:47

Tgt Ion: 98 Resp: 117534
Ion Ratio Lower Upper
98 100
100 65.8 52.6 79.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 53.982 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX046678.D
 Acq: 13 Jun 2025 10:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0613WBL01

Tgt Ion: 75 Resp: 23817
 Ion Ratio Lower Upper
 75 100
 53 0.0 61.9 185.7#
 89 0.0 24.0 72.0#

