

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
 Data File : VX044779.D
 Acq On : 30 Jan 2025 13:32
 Operator : JC/MD
 Sample : Q1214-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 31 00:42:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

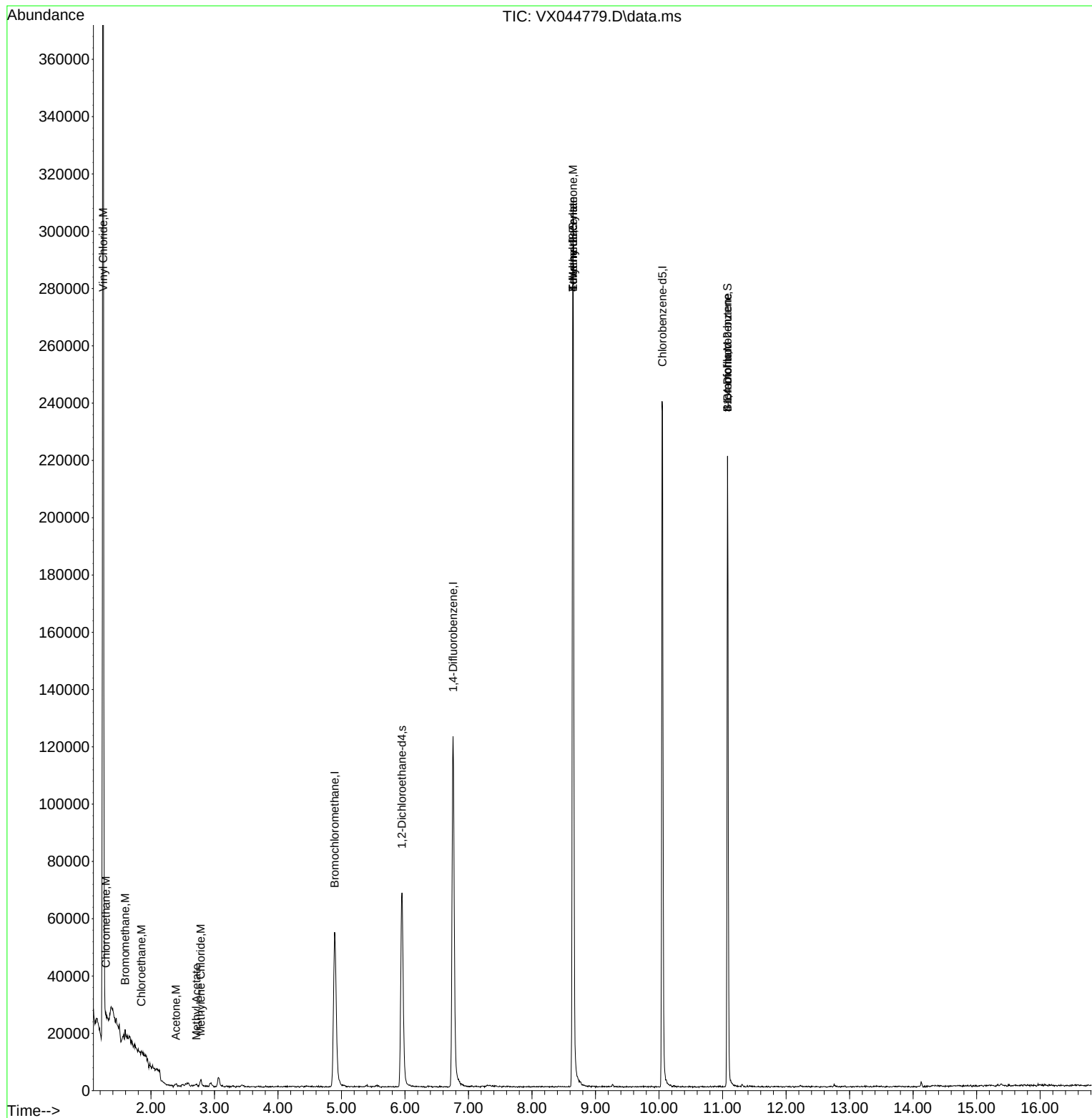
Internal Standards						
1) Bromochloromethane	4.891	128	22959	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	133543	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	118499	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	64324	29.021	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.733%
60) 4-Bromofluorobenzene	11.079	95	61316	26.640	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.800%
63) Toluene-d8	8.647	98	193634	30.043	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.133%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	2130	0.992	ug/l	94
4) Vinyl Chloride	1.246	62	4900	2.332	ug/l #	1
5) Bromomethane	1.593	94	663	1.306	ug/l	90
6) Chloroethane	1.849	64	729	2.188	ug/l	99
12) Methyl Acetate	2.715	43	850	0.343	ug/l	93
15) Acetone	2.392	58	278	1.148	ug/l #	1
18) Methylene Chloride	2.782	84	1135	0.598	ug/l	95
51) Ethyl methacrylate	8.647	69	639	0.208	ug/l	78
56) Bromoform	11.079	173	379	0.270	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	950	0.380	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30411	28.779	ug/l #	13

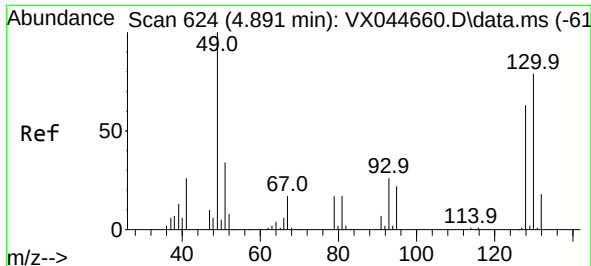
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013025\
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Instrument :
MSVOA_X
ClientSampleId :

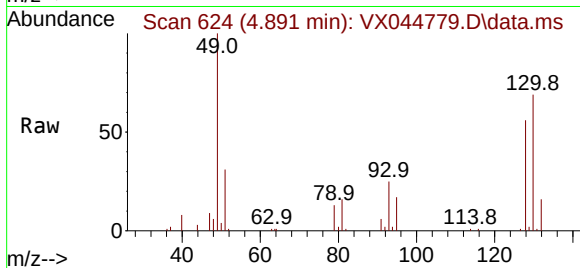
Quant Time: Jan 31 00:42:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
Response via : Initial Calibration



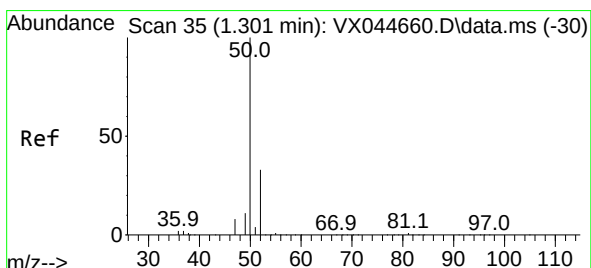
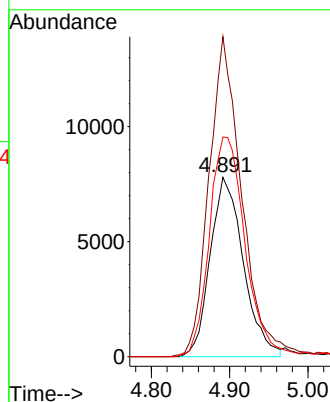
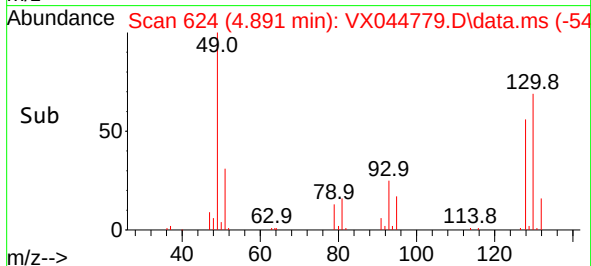


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :

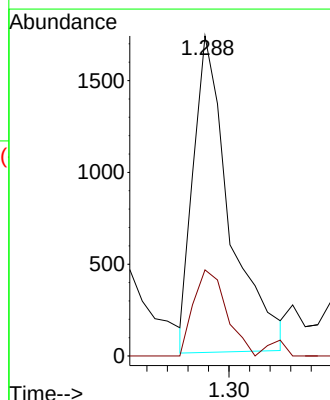
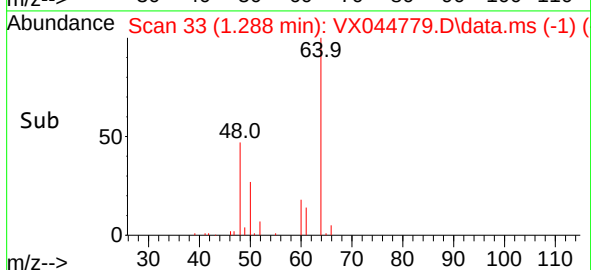
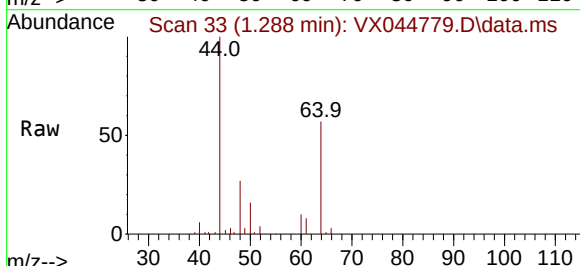


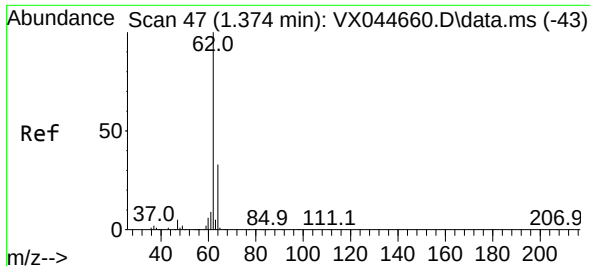
Tgt Ion:128 Resp: 22959
Ion Ratio Lower Upper
128 100
49 176.4 0.0 411.5
130 131.8 0.0 324.3



#3
Chloromethane
Concen: 0.992 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.012 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

Tgt Ion: 50 Resp: 2130
Ion Ratio Lower Upper
50 100
52 29.5 26.5 39.7

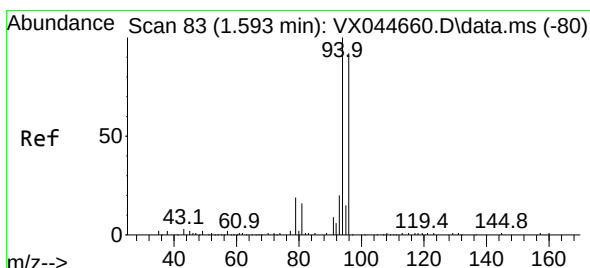
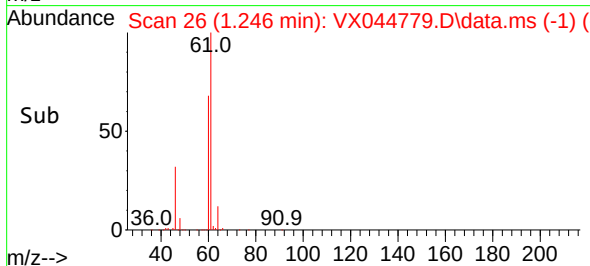
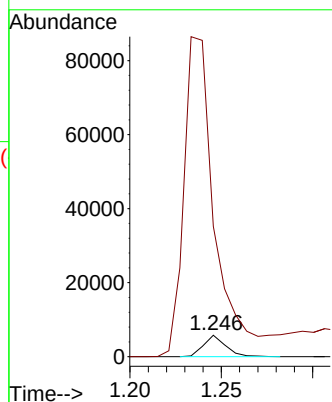
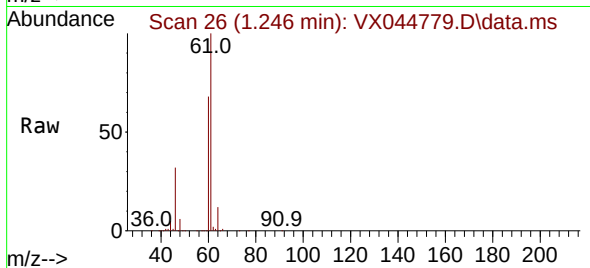




#4
 Vinyl Chloride
 Concen: 2.332 ug/l
 RT: 1.246 min Scan# 2
 Delta R.T. -0.128 min
 Lab File: VX044779.D
 Acq: 30 Jan 2025 13:32

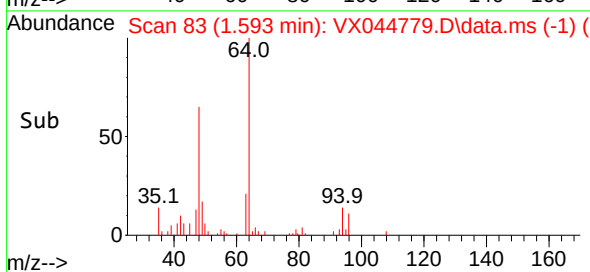
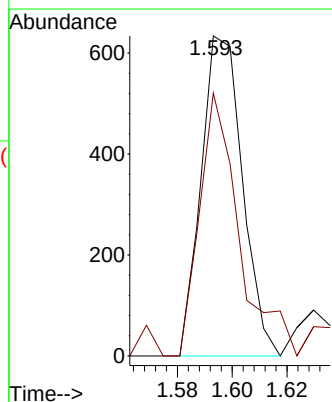
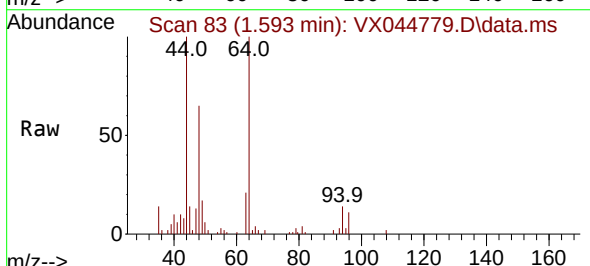
Instrument :
 MSVOA_X
 ClientSampleId :

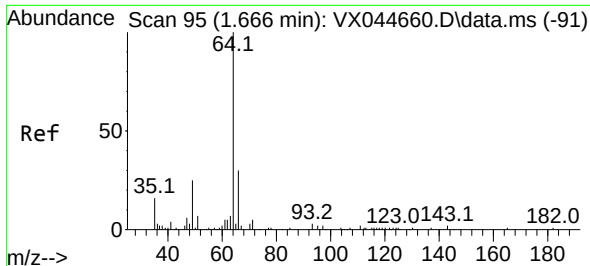
Tgt Ion: 62 Resp: 4900
 Ion Ratio Lower Upper
 62 100
 64 504.3 27.3 40.9#



#5
 Bromomethane
 Concen: 1.306 ug/l
 RT: 1.593 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VX044779.D
 Acq: 30 Jan 2025 13:32

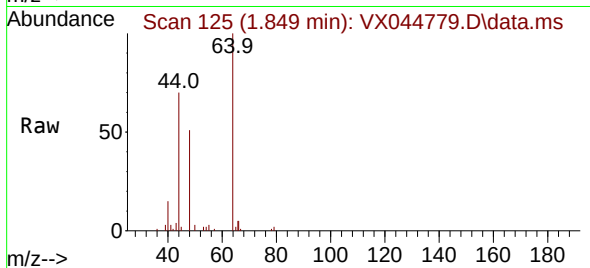
Tgt Ion: 94 Resp: 663
 Ion Ratio Lower Upper
 94 100
 96 82.2 73.3 109.9



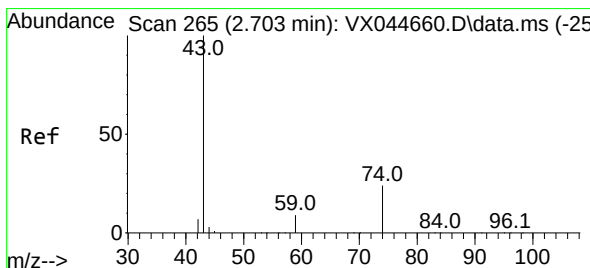
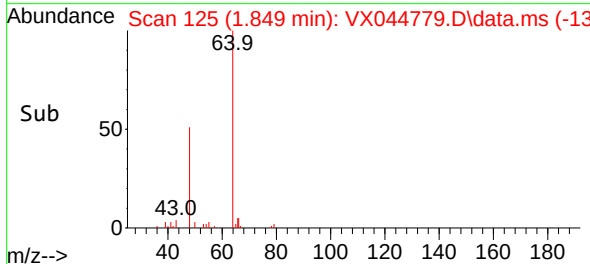
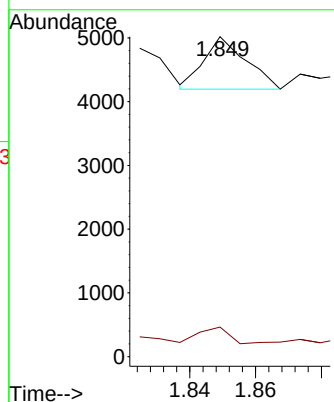


#6
Chloroethane
Concen: 2.188 ug/l
RT: 1.849 min Scan# 11
Delta R.T. 0.183 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :

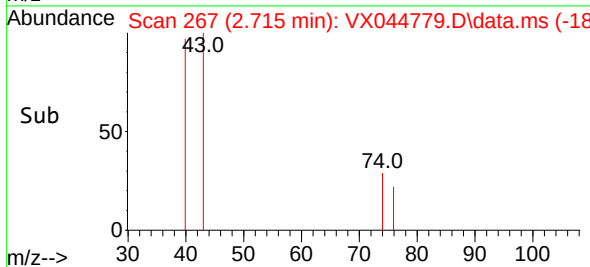
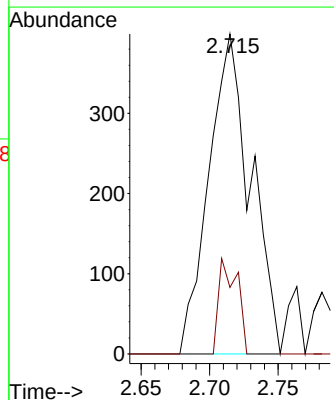
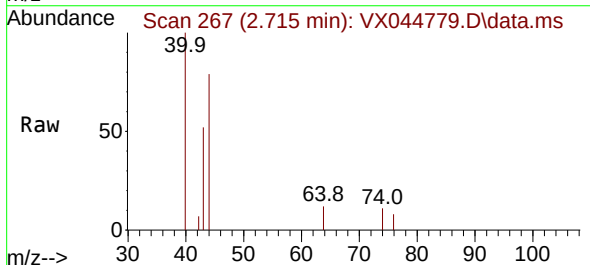


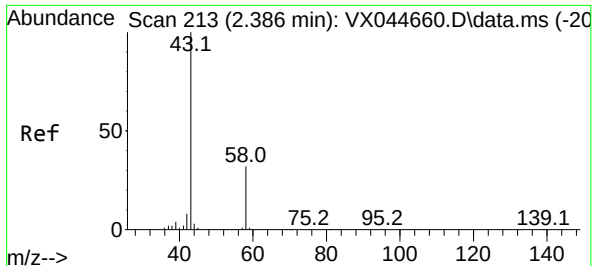
Tgt Ion: 64 Resp: 729
Ion Ratio Lower Upper
64 100
66 29.3 23.8 35.6



#12
Methyl Acetate
Concen: 0.343 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.012 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

Tgt Ion: 43 Resp: 850
Ion Ratio Lower Upper
43 100
74 20.8 19.4 29.2

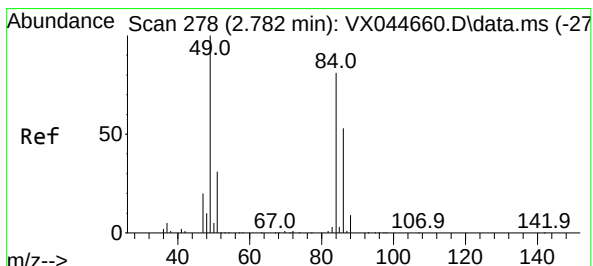
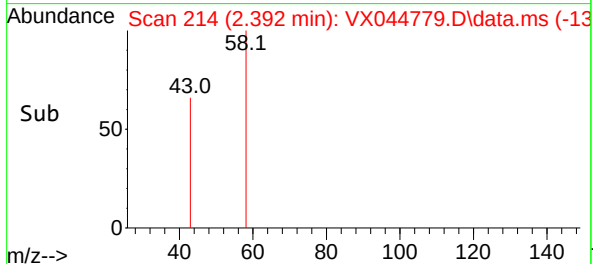
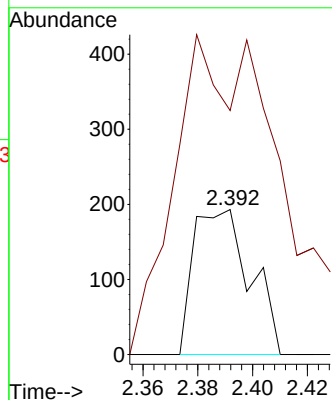
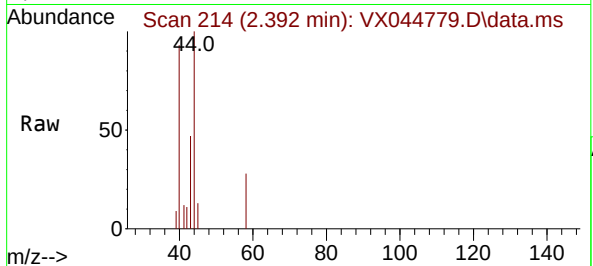




#15
Acetone
Concen: 1.148 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

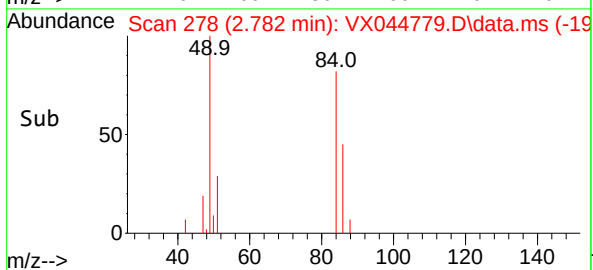
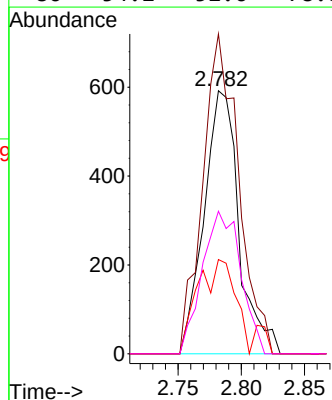
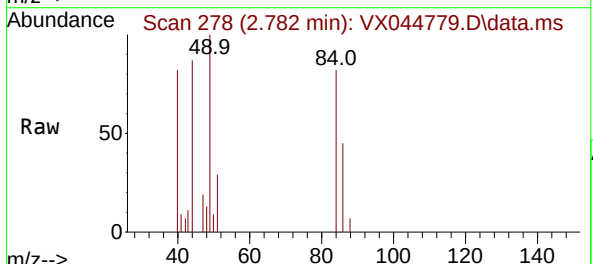
Instrument :
MSVOA_X
ClientSampleId :

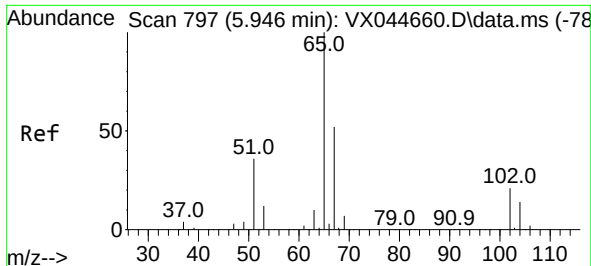
Tgt Ion: 58 Resp: 278
Ion Ratio Lower Upper
58 100
43 34.7 251.0 376.4#



#18
Methylene Chloride
Concen: 0.598 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.000 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

Tgt Ion: 84 Resp: 1135
Ion Ratio Lower Upper
84 100
49 121.6 98.3 147.5
51 35.8 30.6 46.0
86 54.2 52.6 78.8





#27

1,2-Dichloroethane-d4

Concen: 29.021 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044779.D

Acq: 30 Jan 2025 13:32

Instrument :

MSVOA_X

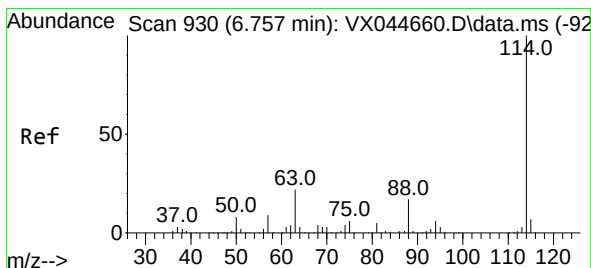
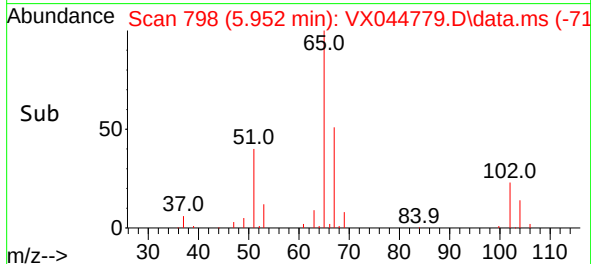
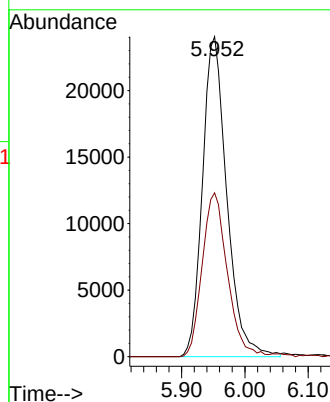
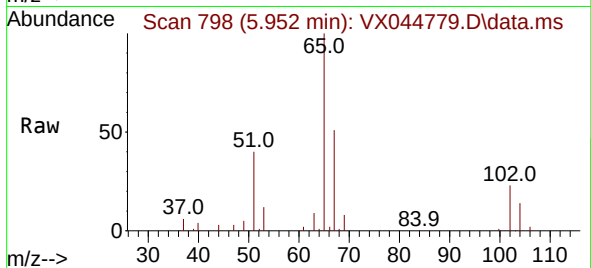
ClientSampleId :

Tgt Ion: 65 Resp: 64324

Ion Ratio Lower Upper

65 100

67 52.9 41.4 62.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044779.D

Acq: 30 Jan 2025 13:32

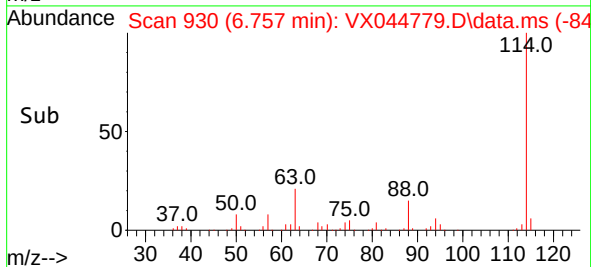
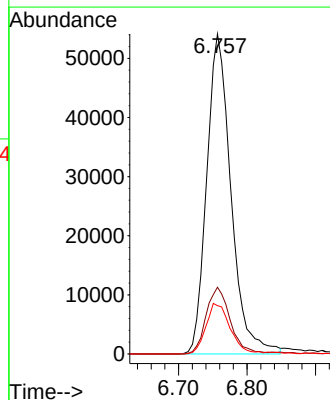
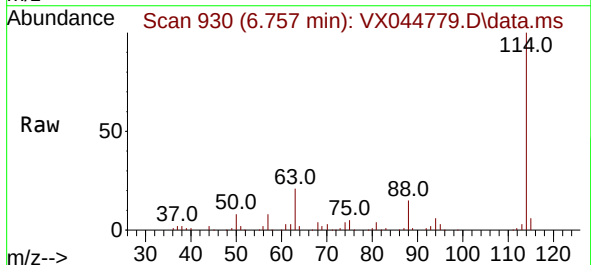
Tgt Ion: 114 Resp: 133543

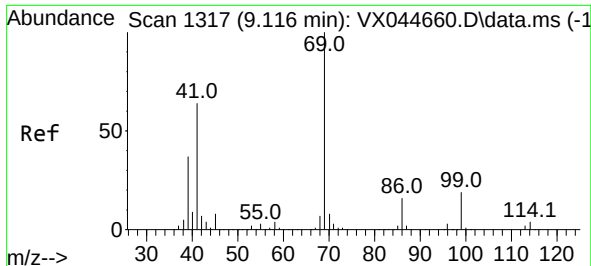
Ion Ratio Lower Upper

114 100

63 20.6 16.6 24.8

88 15.6 13.4 20.2

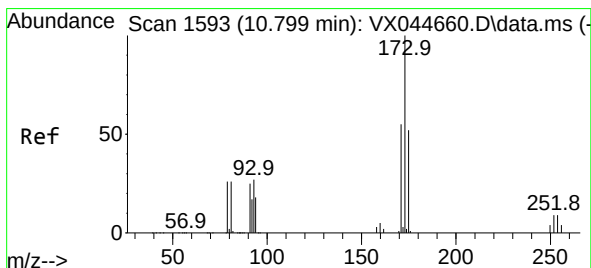
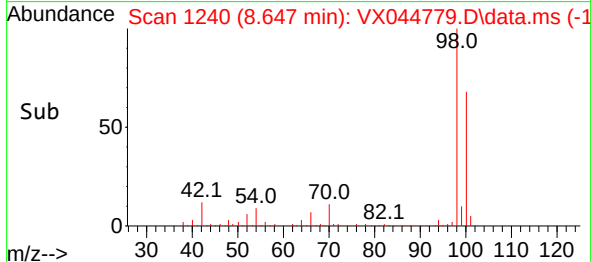
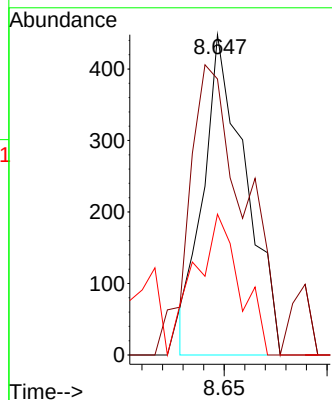
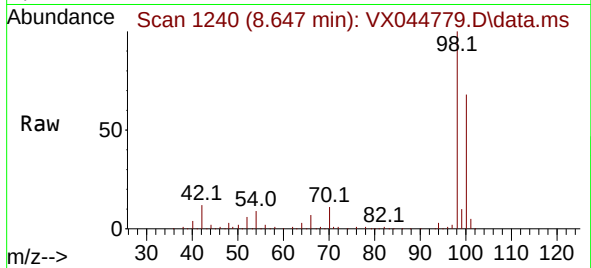




#51
Ethyl methacrylate
Concen: 0.208 ug/l
RT: 8.647 min Scan# 1639
Delta R.T. -0.469 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

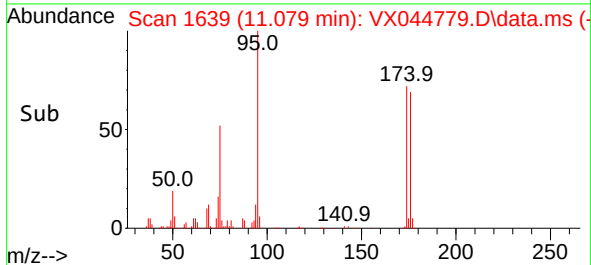
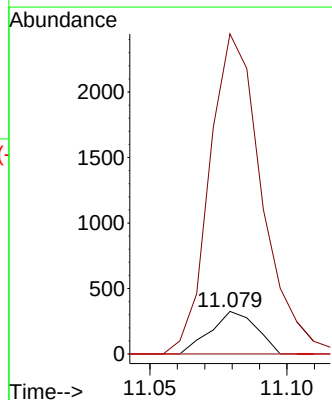
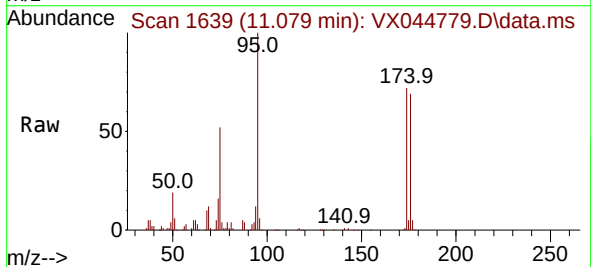
Instrument :
MSVOA_X
ClientSampleId :

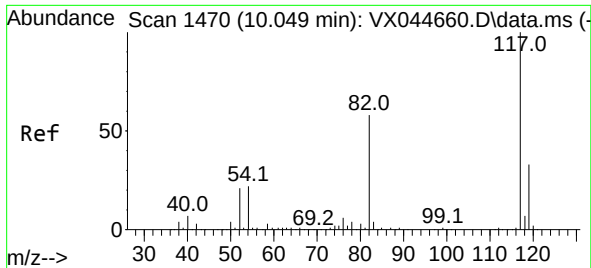
Tgt Ion: 69 Resp: 639
Ion Ratio Lower Upper
69 100
41 86.2 32.0 96.0
39 44.0 18.6 55.6



#56
Bromoform
Concen: 0.270 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

Tgt Ion: 173 Resp: 379
Ion Ratio Lower Upper
173 100
175 860.4 39.0 58.6#
254 0.0 6.5 9.7#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 14

Delta R.T. 0.006 min

Lab File: VX044779.D

Acq: 30 Jan 2025 13:32

Instrument :

MSVOA_X

ClientSampleId :

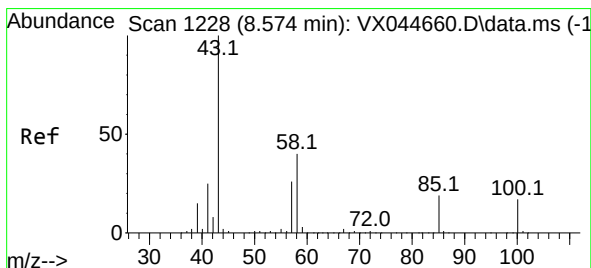
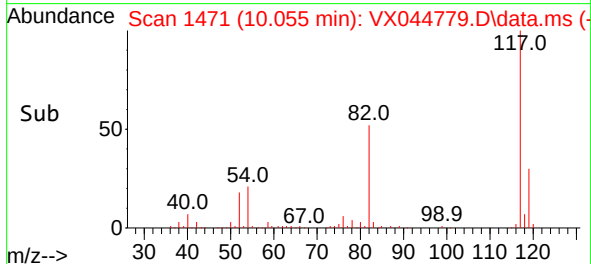
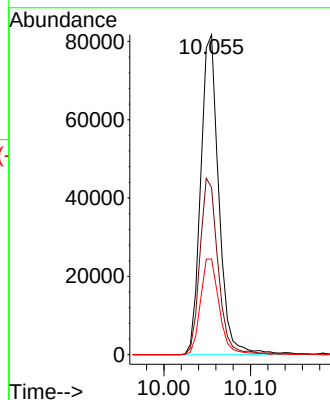
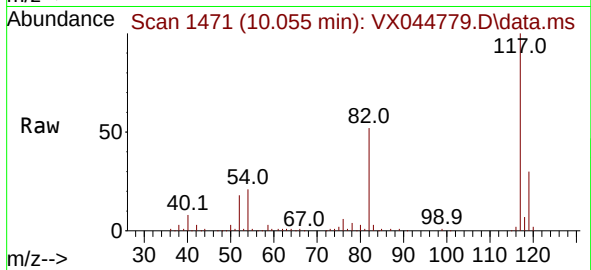
Tgt Ion:117 Resp: 118499

Ion Ratio Lower Upper

117 100

82 55.3 45.8 68.6

119 30.9 25.8 38.6



#58

4-Methyl-2-Pentanone

Concen: 0.380 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX044779.D

Acq: 30 Jan 2025 13:32

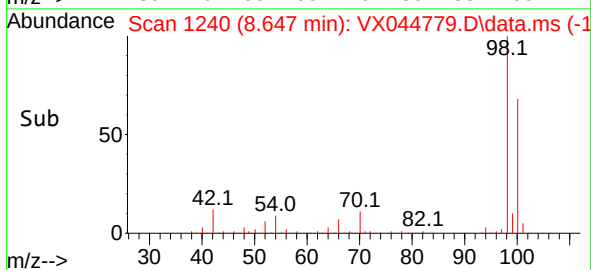
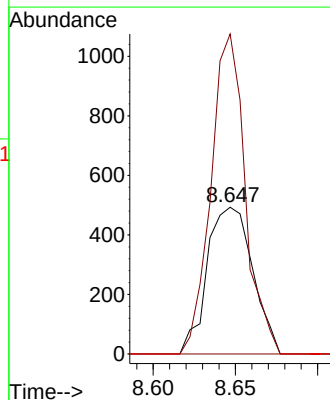
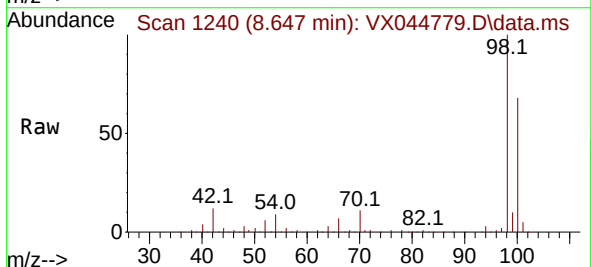
Tgt Ion: 43 Resp: 950

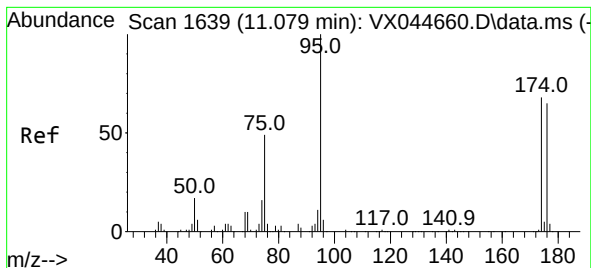
Ion Ratio Lower Upper

43 100

58 164.1 31.7 47.5#

85 0.0 15.0 22.6#

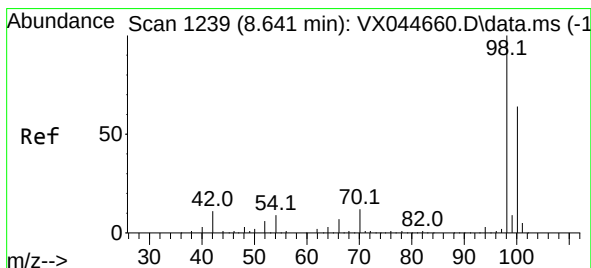
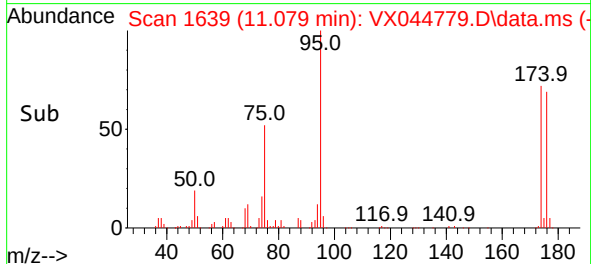
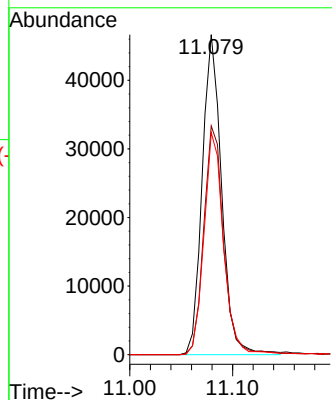
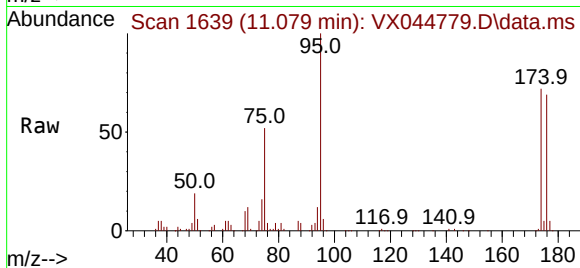




#60
4-Bromofluorobenzene
Concen: 26.640 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

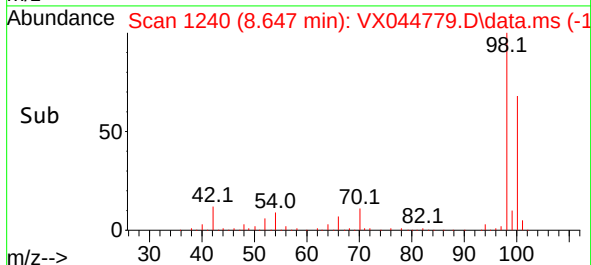
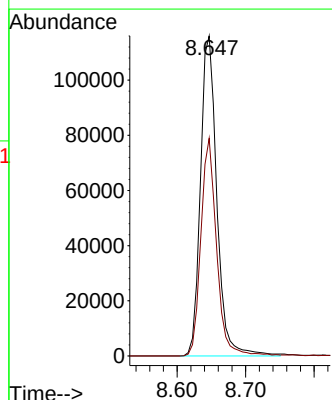
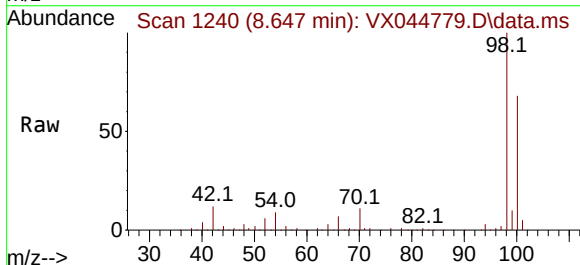
Instrument :
MSVOA_X
ClientSampleId :

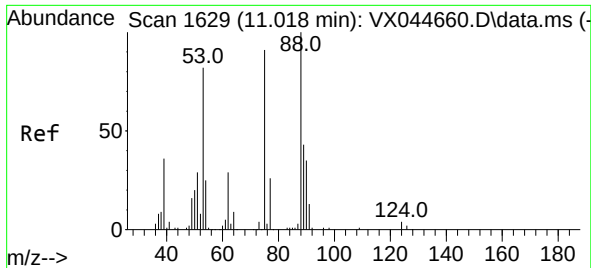
Tgt Ion: 95 Resp: 61316
Ion Ratio Lower Upper
95 100
174 73.1 54.6 81.8
176 68.8 52.8 79.2



#63
Toluene-d8
Concen: 30.043 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044779.D
Acq: 30 Jan 2025 13:32

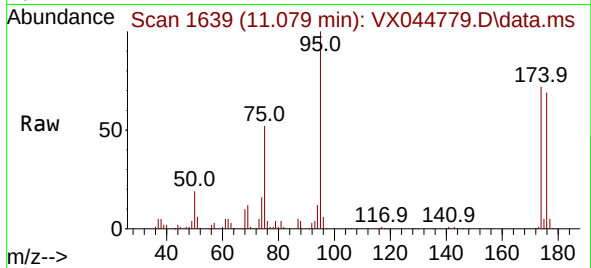
Tgt Ion: 98 Resp: 193634
Ion Ratio Lower Upper
98 100
100 64.5 53.6 80.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 28.779 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX044779.D
 Acq: 30 Jan 2025 13:32

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30411
 Ion Ratio Lower Upper
 75 100
 53 0.0 45.3 135.9#
 89 0.0 23.8 71.2#

