

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042949.D
 Acq On : 08 Aug 2024 13:05
 Operator : JC/MD
 Sample : PB162548ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 09 05:08:31 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 07 04:53:59 2024
 Response via : Initial Calibration

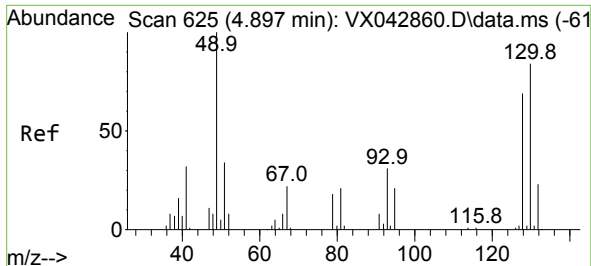
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.903	128	34070	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	198765	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	174584	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	93530	29.729	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.100%
60) 4-Bromofluorobenzene	11.079	95	75768	26.602	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.667%
63) Toluene-d8	8.647	98	240390	30.483	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.600%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	1251	2.848	ug/l #	45
18) Methylene Chloride	2.782	84	6279	2.655	ug/l	92
23) tert-Butyl Alcohol	2.989	59	194	0.311	ug/l #	100
58) 4-Methyl-2-Pentanone	8.580	43	736	0.224	ug/l #	52
77) t-1,4-Dichloro-2-butene	11.079	75	37550	38.452	ug/l #	11

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

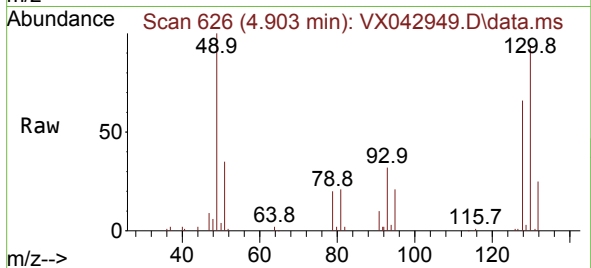
Quant Time: Aug 09 05:08:31 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
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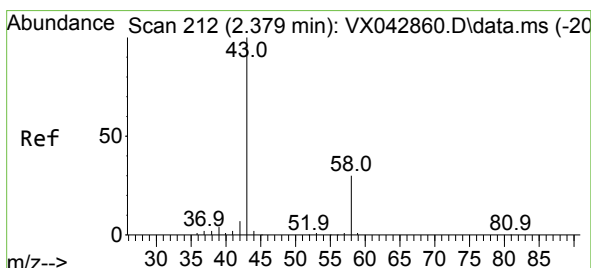
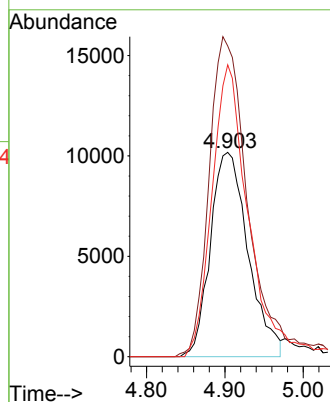
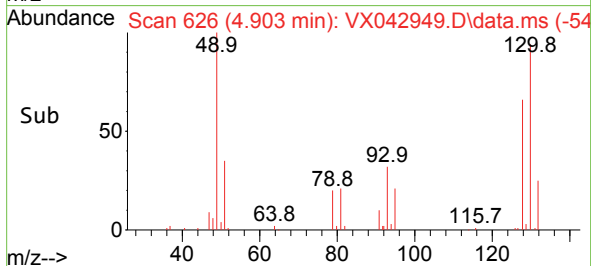


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042949.D
Acq: 08 Aug 2024 13:05

Instrument :
MSVOA_X
ClientSampleId :

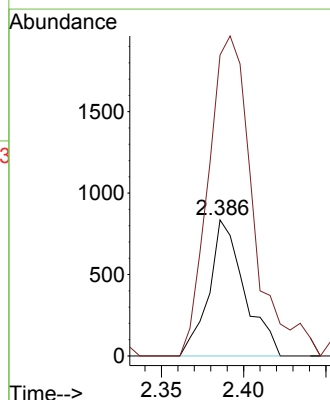
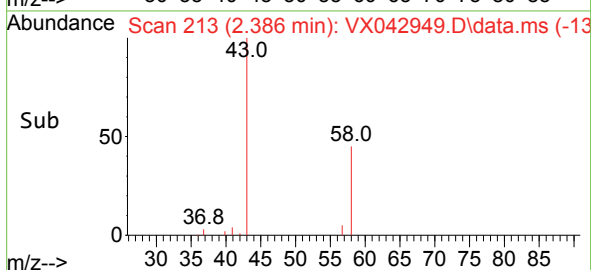
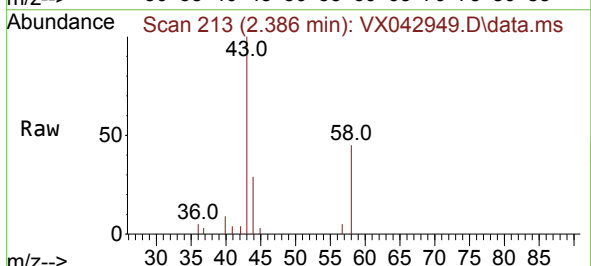


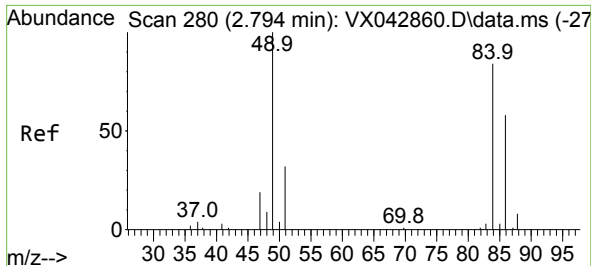
Tgt Ion:128 Resp: 34070
Ion Ratio Lower Upper
128 100
49 157.9 0.0 400.5
130 138.2 0.0 333.0



#15
Acetone
Concen: 2.848 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX042949.D
Acq: 08 Aug 2024 13:05

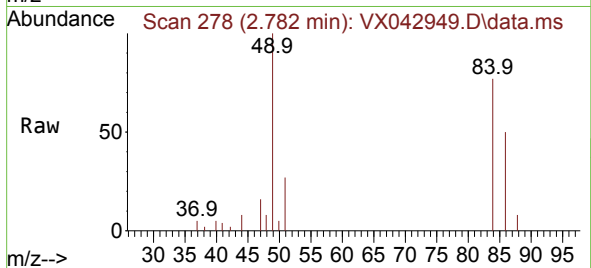
Tgt Ion: 58 Resp: 1251
Ion Ratio Lower Upper
58 100
43 221.3 269.9 404.9#





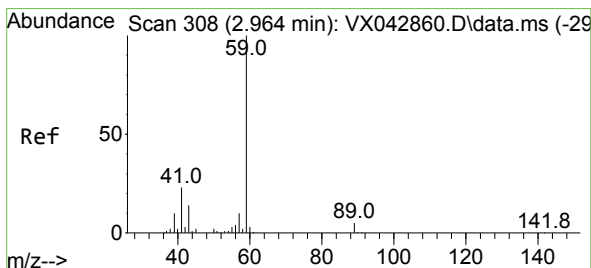
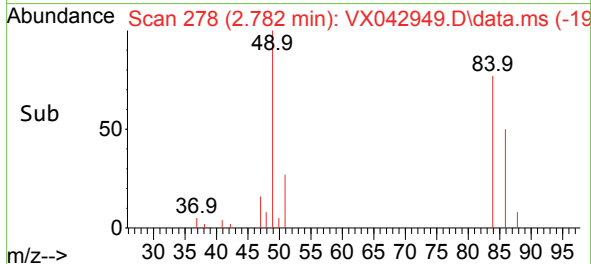
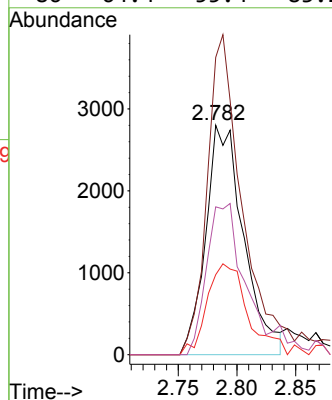
#18
Methylene Chloride
Concen: 2.655 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.012 min
Lab File: VX042949.D
Acq: 08 Aug 2024 13:05

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 6279

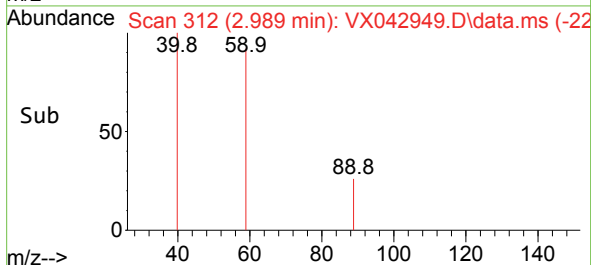
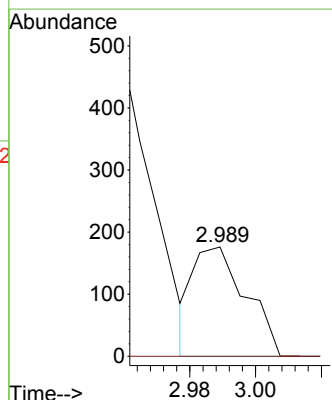
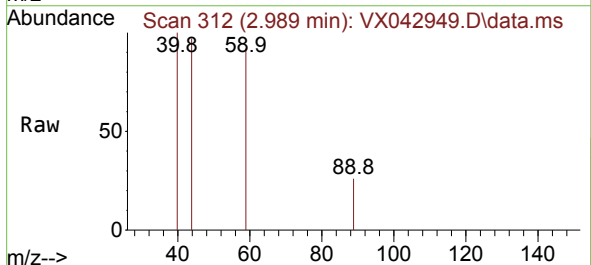
Ion	Ratio	Lower	Upper
84	100		
49	129.6	95.0	142.6
51	34.9	30.1	45.1
86	64.4	55.4	83.2

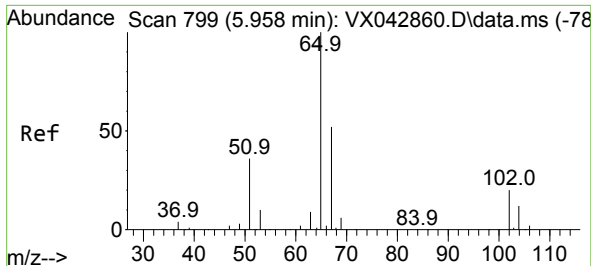


#23
tert-Butyl Alcohol
Concen: 0.311 ug/l
RT: 2.989 min Scan# 312
Delta R.T. 0.025 min
Lab File: VX042949.D
Acq: 08 Aug 2024 13:05

Tgt Ion: 59 Resp: 194

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#





#27

1,2-Dichloroethane-d4

Concen: 29.729 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX042949.D

Acq: 08 Aug 2024 13:05

Instrument :

MSVOA_X

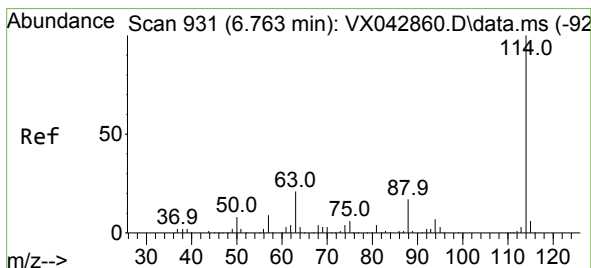
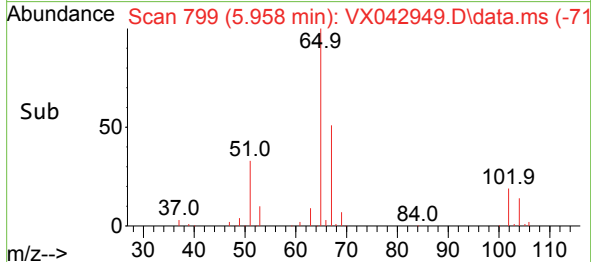
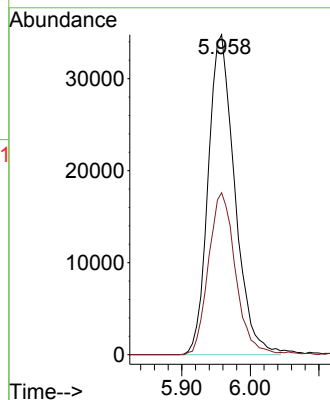
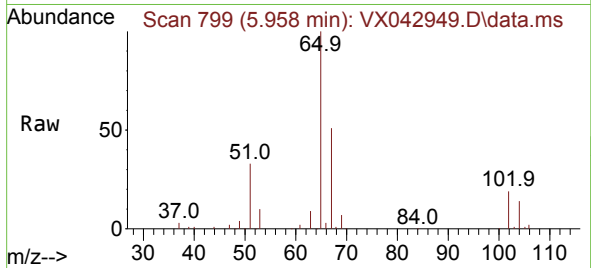
ClientSampleId :

Tgt Ion: 65 Resp: 93530

Ion Ratio Lower Upper

65 100

67 51.5 40.6 60.8



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX042949.D

Acq: 08 Aug 2024 13:05

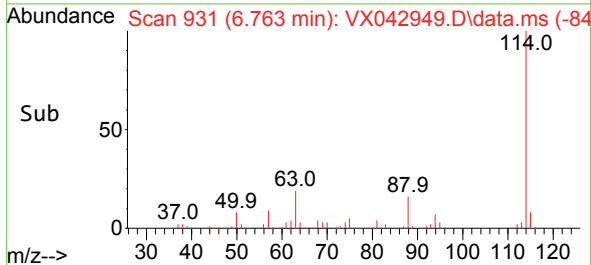
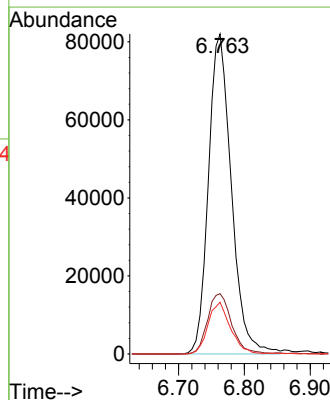
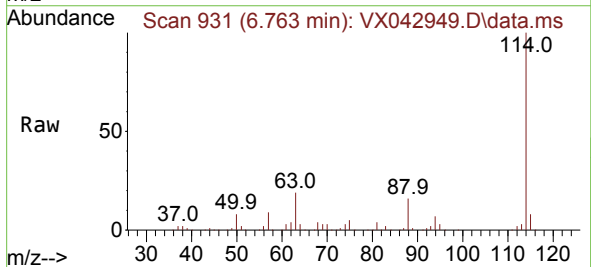
Tgt Ion: 114 Resp: 198765

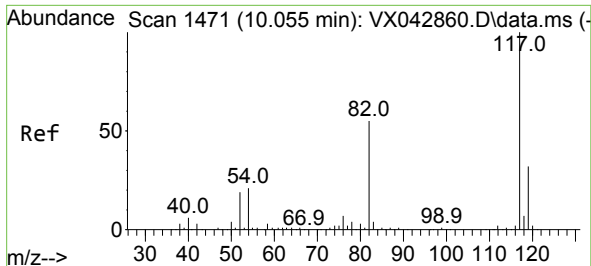
Ion Ratio Lower Upper

114 100

63 19.8 16.0 24.0

88 15.8 12.5 18.7





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

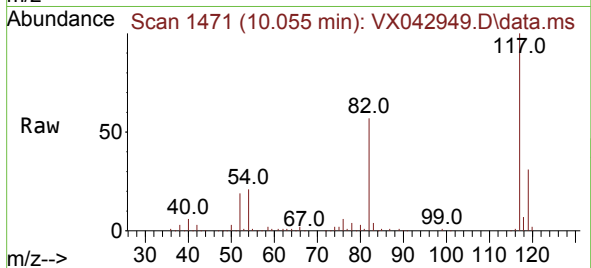
Lab File: VX042949.D

Acq: 08 Aug 2024 13:05

Instrument :

MSVOA_X

ClientSampleId :



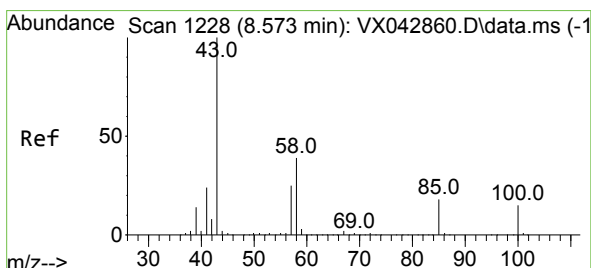
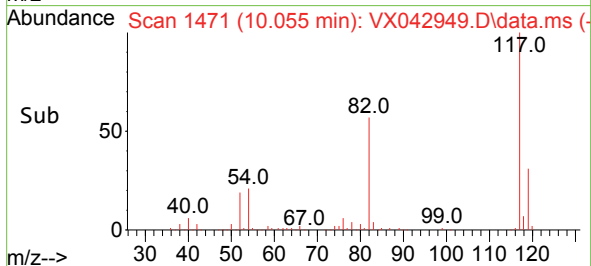
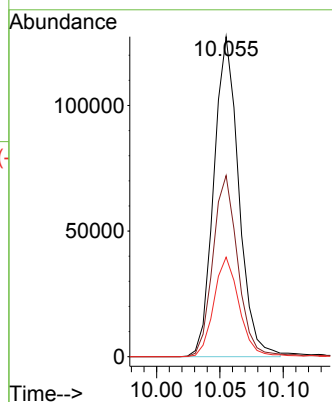
Tgt Ion:117 Resp: 174584

Ion Ratio Lower Upper

117 100

82 56.8 44.9 67.3

119 31.4 25.4 38.2



#58

4-Methyl-2-Pentanone

Concen: 0.224 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX042949.D

Acq: 08 Aug 2024 13:05

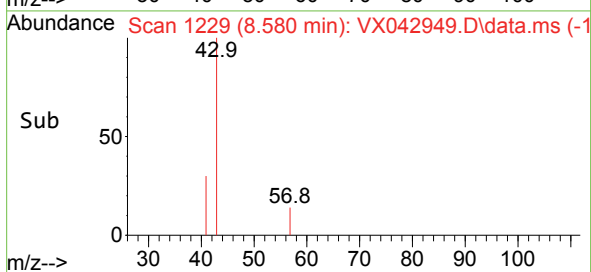
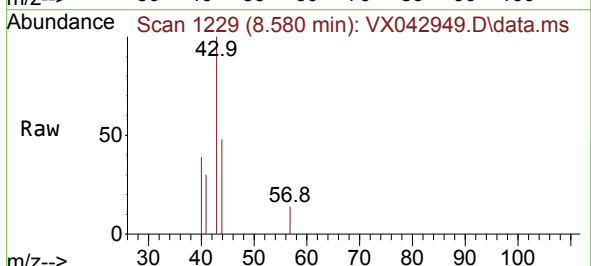
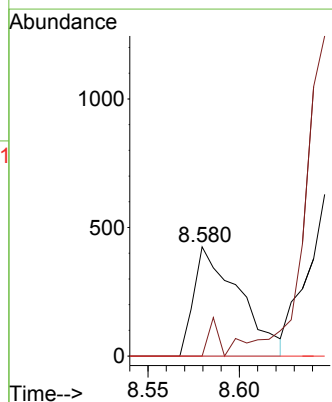
Tgt Ion: 43 Resp: 736

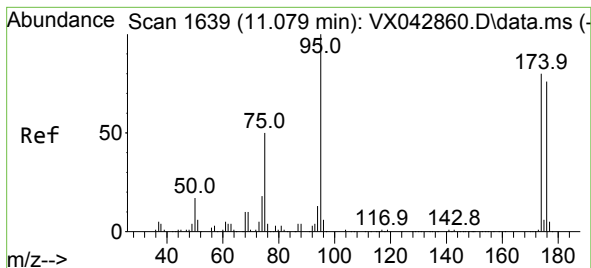
Ion Ratio Lower Upper

43 100

58 7.5 31.4 47.0#

85 0.0 14.6 21.8#

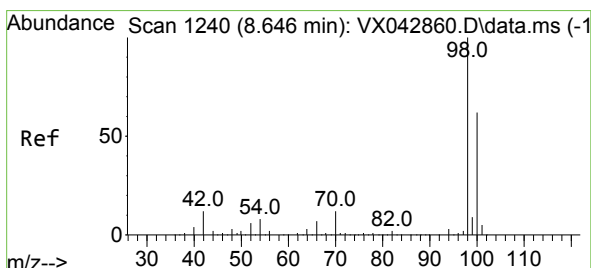
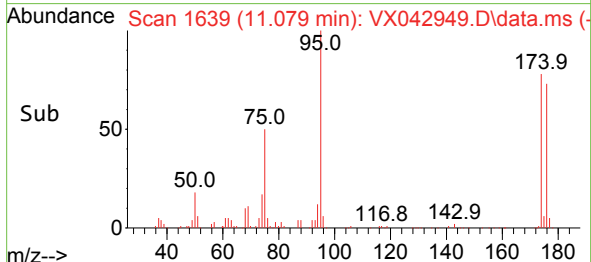
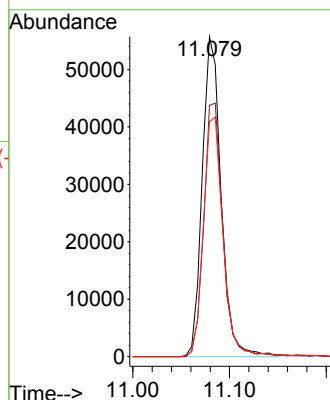
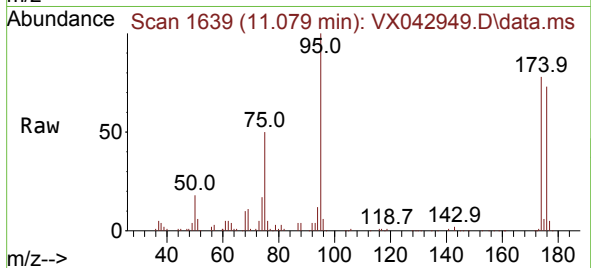




#60
4-Bromofluorobenzene
Concen: 26.602 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042949.D
Acq: 08 Aug 2024 13:05

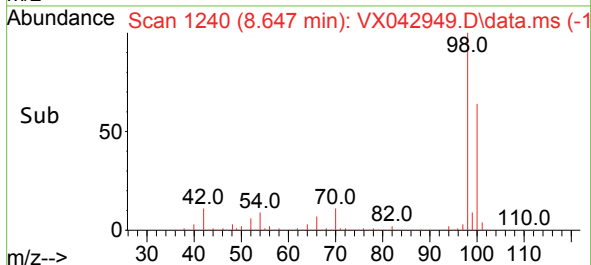
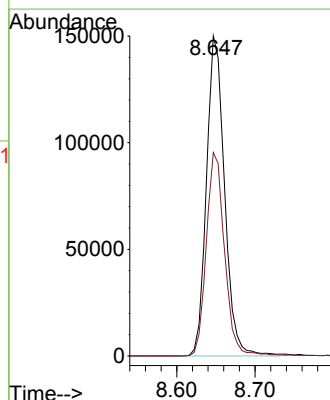
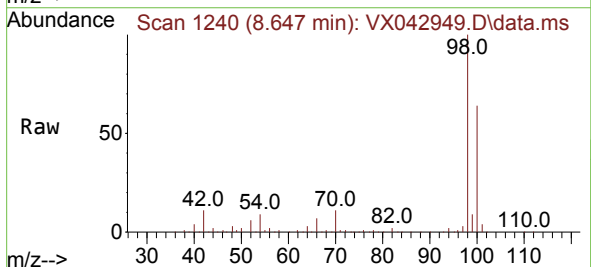
Instrument :
MSVOA_X
ClientSampleId :

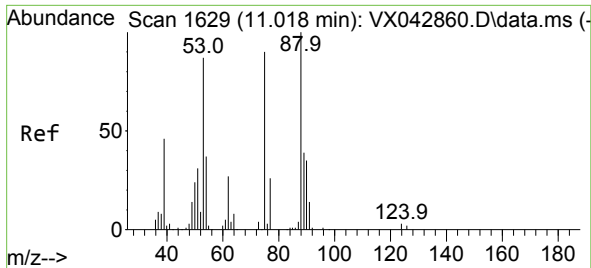
Tgt Ion: 95 Resp: 75768
Ion Ratio Lower Upper
95 100
174 79.6 65.0 97.6
176 77.3 63.4 95.0



#63
Toluene-d8
Concen: 30.483 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042949.D
Acq: 08 Aug 2024 13:05

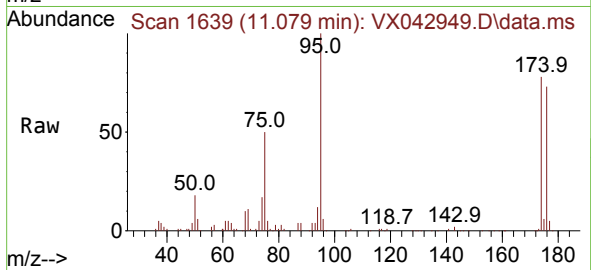
Tgt Ion: 98 Resp: 240390
Ion Ratio Lower Upper
98 100
100 63.9 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 38.452 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042949.D
 Acq: 08 Aug 2024 13:05

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 37550
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.5#
 89 0.0 21.9 65.5#

