

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080824\
 Data File : VX042960.D
 Acq On : 08 Aug 2024 17:20
 Operator : JC/MD
 Sample : PB162548ZHE#14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB162548ZHE#14

Quant Time: Aug 09 05:12:40 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)

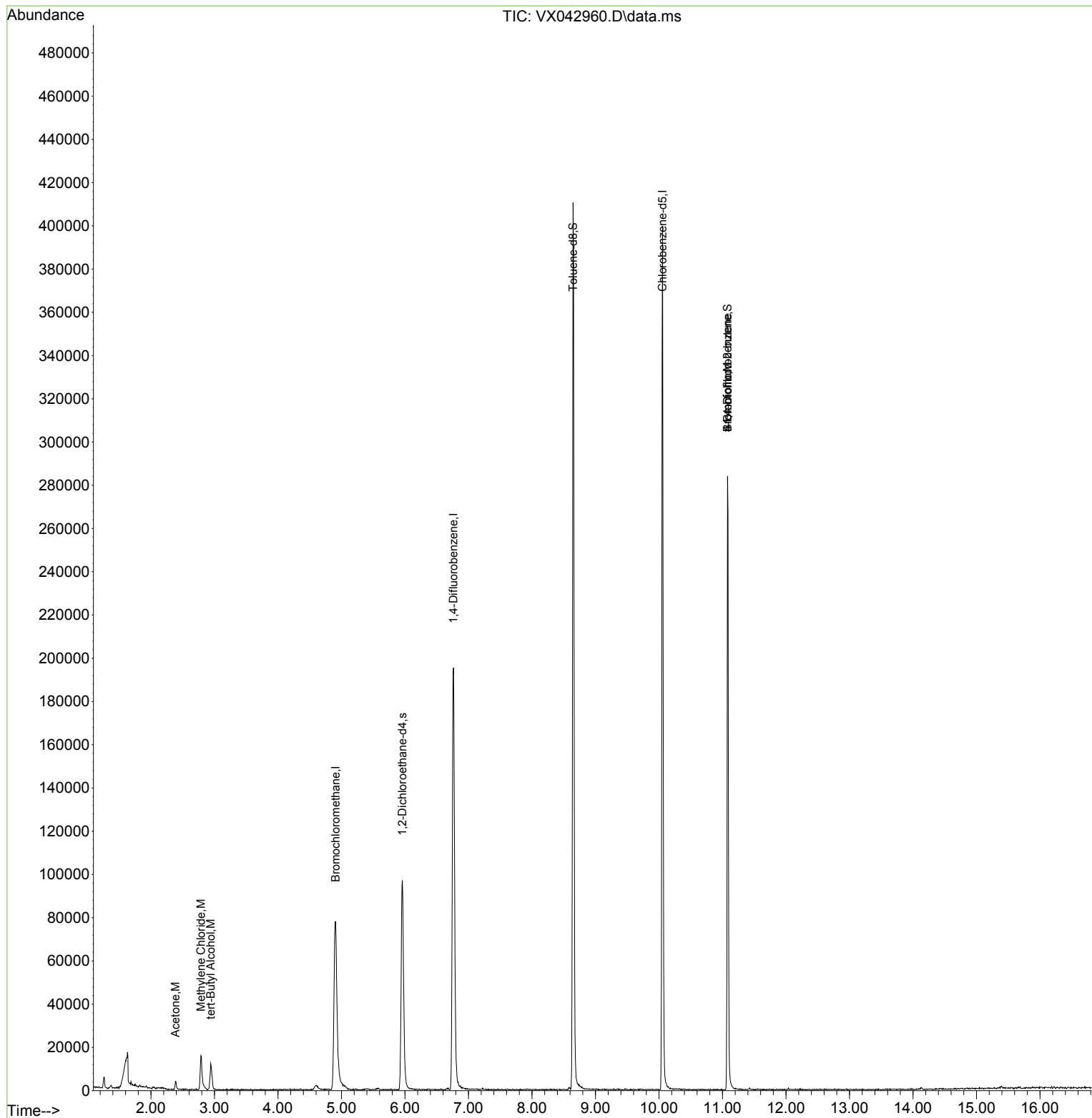
Internal Standards						
1) Bromochloromethane	4.910	128	37113	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	211966	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	184959	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	98323	28.690	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.633%
60) 4-Bromofluorobenzene	11.079	95	79138	26.226	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.433%
63) Toluene-d8	8.647	98	252367	30.207	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.700%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	1295	2.707	ug/l	97
18) Methylene Chloride	2.788	84	8249	3.203	ug/l #	92
23) tert-Butyl Alcohol	2.941	59	6885	10.119	ug/l #	100
56) Bromoform	11.079	173	754	0.394	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	40947	39.579	ug/l #	11

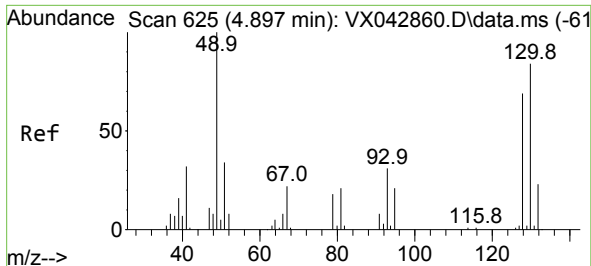
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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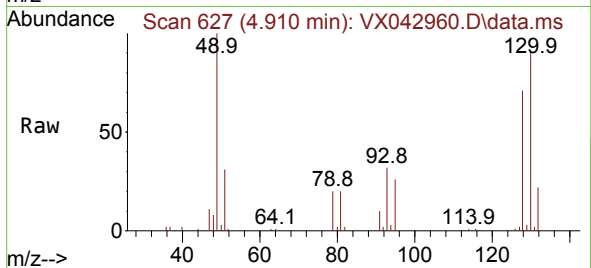
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080624W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 07 04:53:59 2024
Response via : Initial Calibration



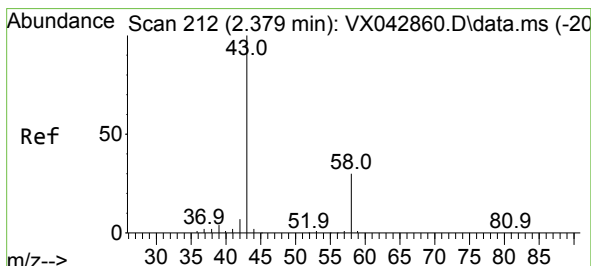
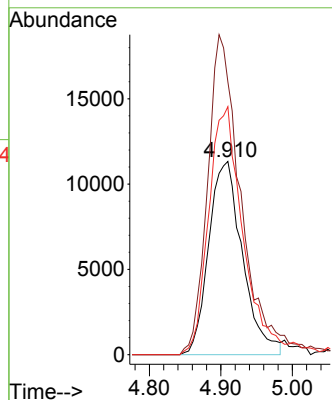
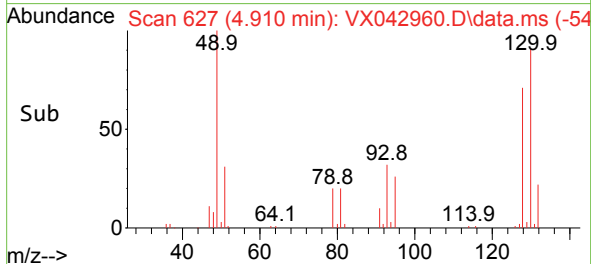


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.013 min
Lab File: VX042960.D
Acq: 08 Aug 2024 17:20

Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#14

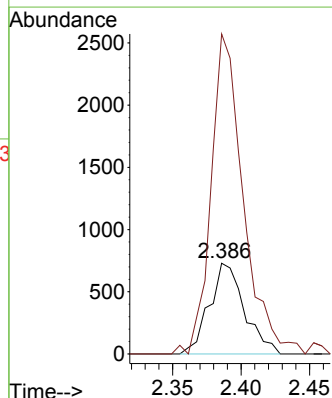
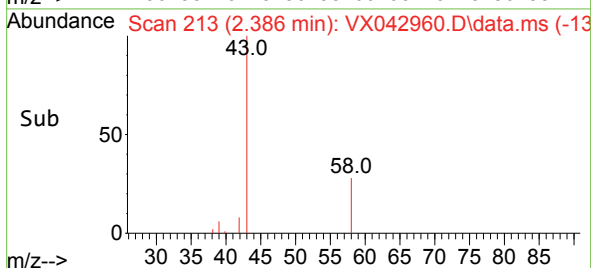
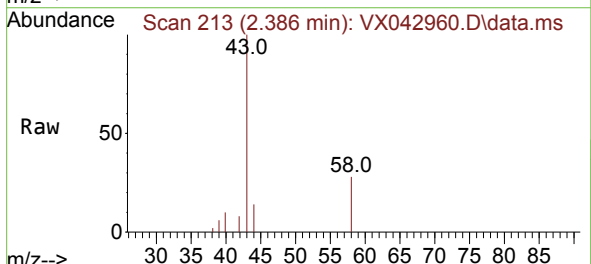


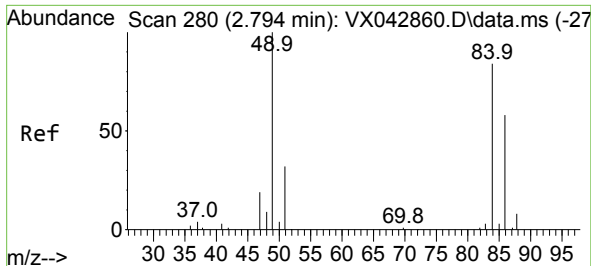
Tgt Ion:128 Resp: 37113
Ion Ratio Lower Upper
128 100
49 164.0 0.0 400.5
130 129.7 0.0 333.0



#15
Acetone
Concen: 2.707 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.007 min
Lab File: VX042960.D
Acq: 08 Aug 2024 17:20

Tgt Ion: 58 Resp: 1295
Ion Ratio Lower Upper
58 100
43 343.3 269.9 404.9

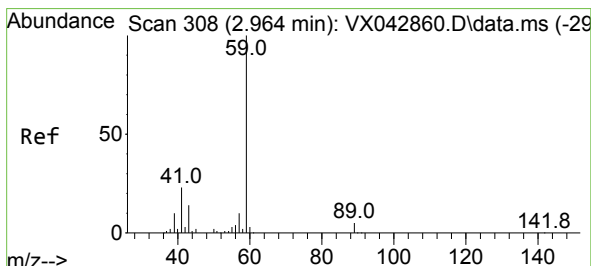
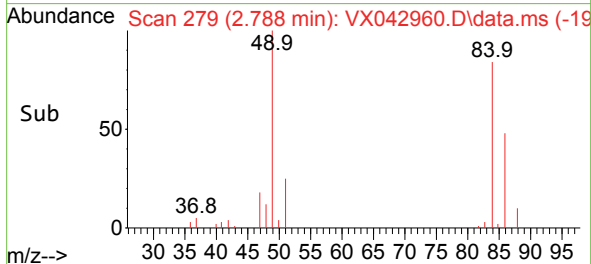
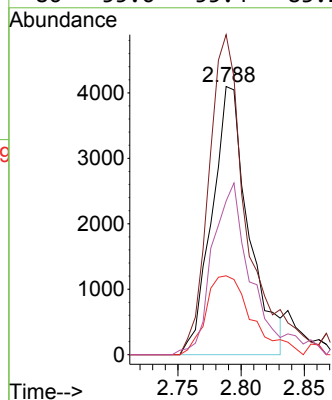
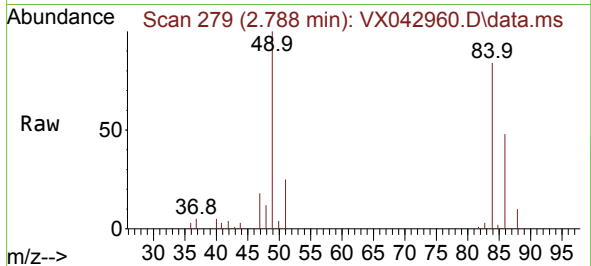




#18
Methylene Chloride
Concen: 3.203 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042960.D
Acq: 08 Aug 2024 17:20

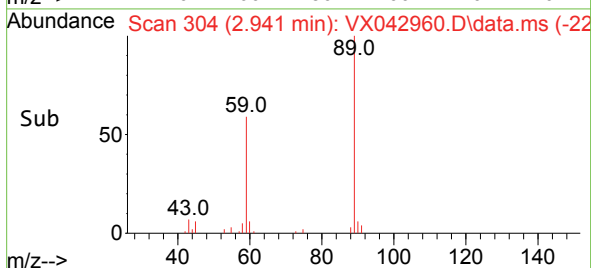
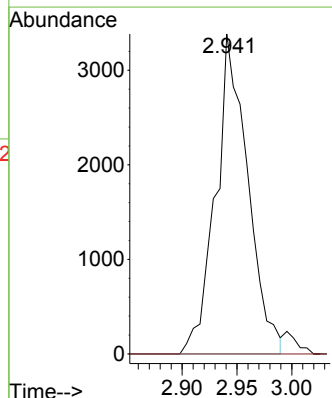
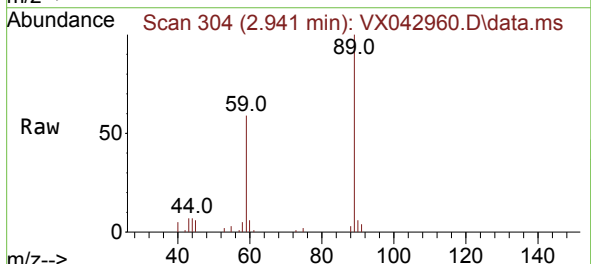
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#14

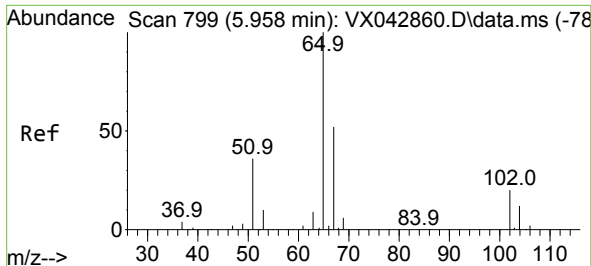
Tgt Ion: 84	Resp: 8249
Ion Ratio	Lower Upper
84	100
49	119.4 95.0 142.6
51	29.4 30.1 45.1#
86	55.6 55.4 83.2



#23
tert-Butyl Alcohol
Concen: 10.119 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX042960.D
Acq: 08 Aug 2024 17:20

Tgt Ion: 59	Resp: 6885
Ion Ratio	Lower Upper
59	100
52	0.0 0.1 0.1#





#27

1,2-Dichloroethane-d4

Concen: 28.690 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.001 min

Lab File: VX042960.D

Acq: 08 Aug 2024 17:20

Instrument :

MSVOA_X

ClientSampleId :

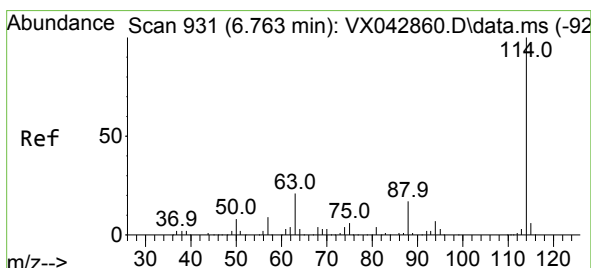
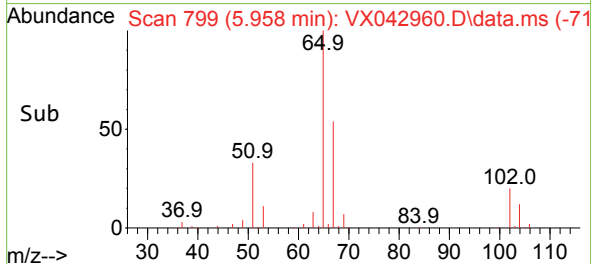
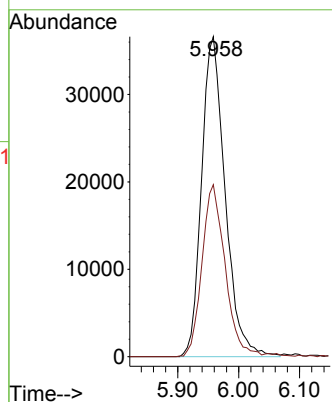
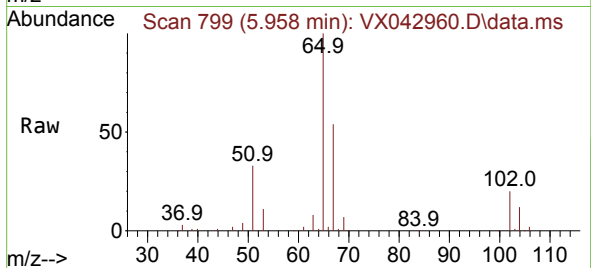
PB162548ZHE#14

Tgt Ion: 65 Resp: 98323

Ion Ratio Lower Upper

65 100

67 52.2 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: VX042960.D

Acq: 08 Aug 2024 17:20

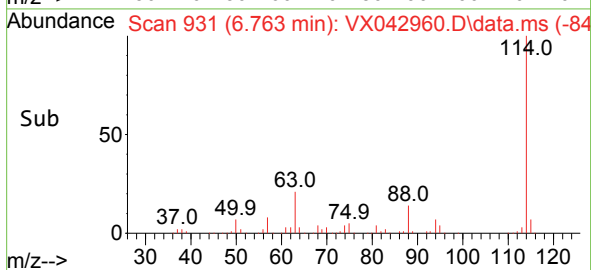
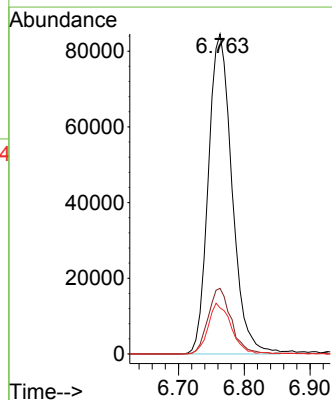
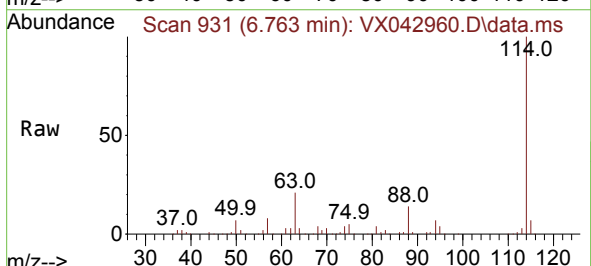
Tgt Ion: 114 Resp: 211966

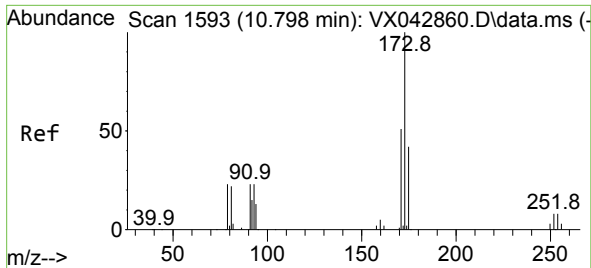
Ion Ratio Lower Upper

114 100

63 20.0 16.0 24.0

88 15.3 12.5 18.7

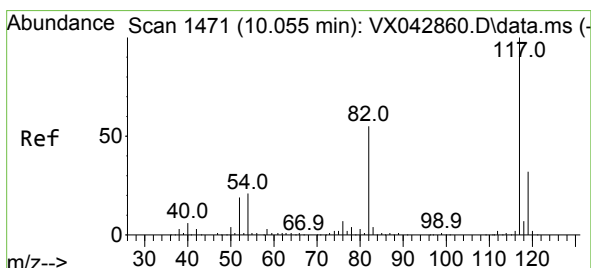
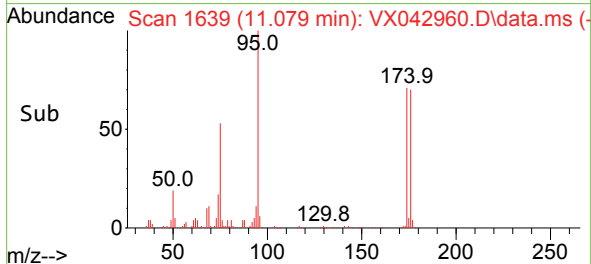
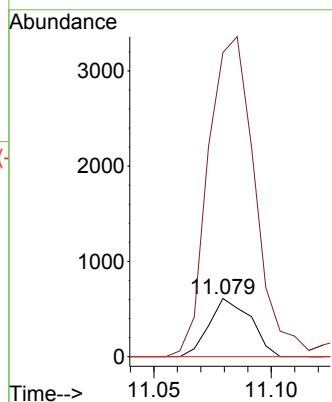
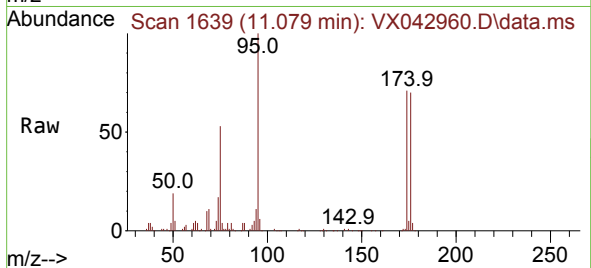




#56
Bromoform
Concen: 0.394 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.281 min
Lab File: VX042960.D
Acq: 08 Aug 2024 17:20

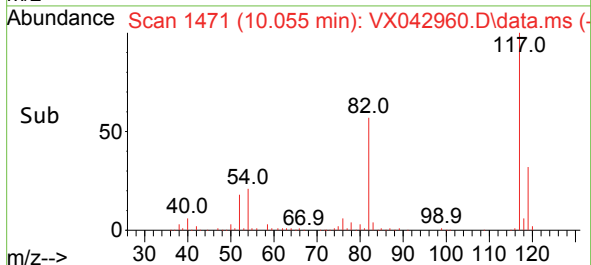
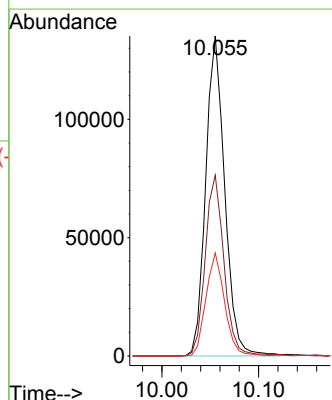
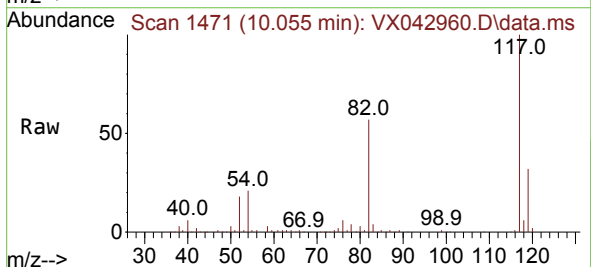
Instrument :
MSVOA_X
ClientSampleId :
PB162548ZHE#14

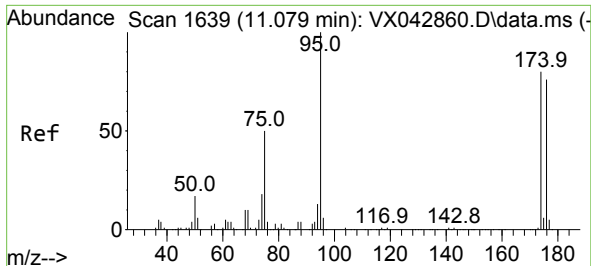
Tgt Ion:173 Resp: 754
Ion Ratio Lower Upper
173 100
175 616.7 37.1 55.7#
254 0.0 6.6 10.0#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.001 min
Lab File: VX042960.D
Acq: 08 Aug 2024 17:20

Tgt Ion:117 Resp: 184959
Ion Ratio Lower Upper
117 100
82 56.1 44.9 67.3
119 31.5 25.4 38.2

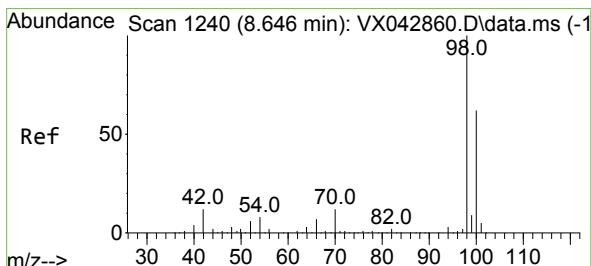
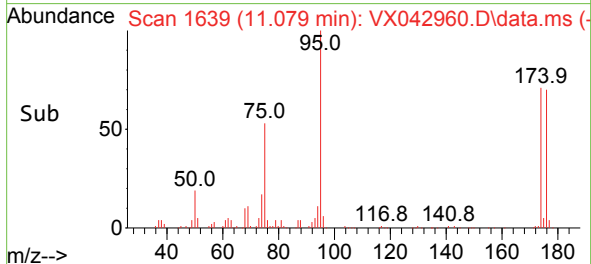
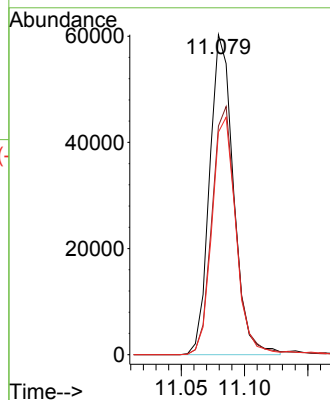
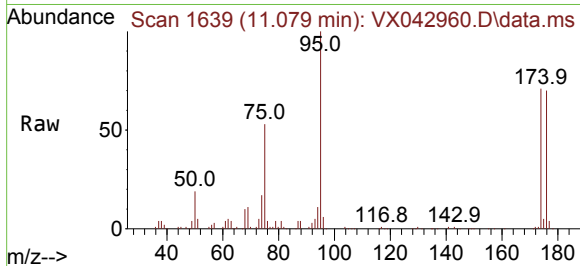




#60
4-Bromofluorobenzene
Concen: 26.226 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX042960.D
Acq: 08 Aug 2024 17:20

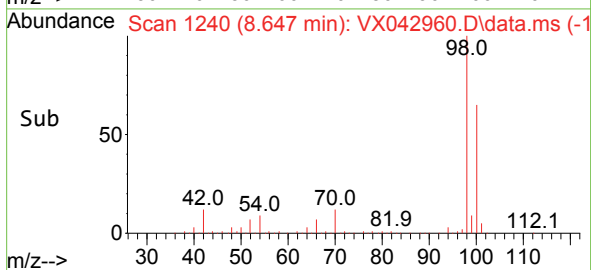
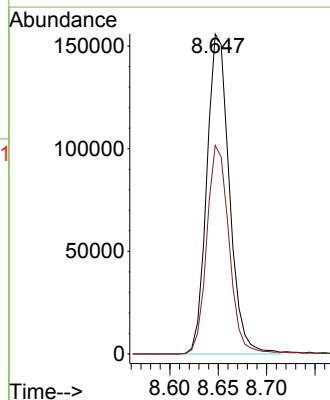
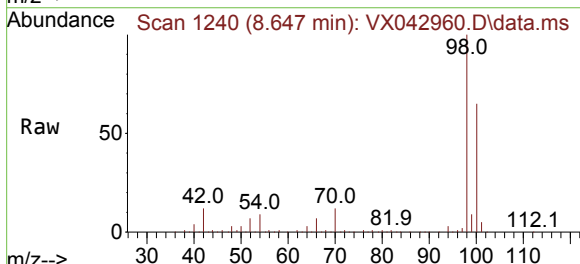
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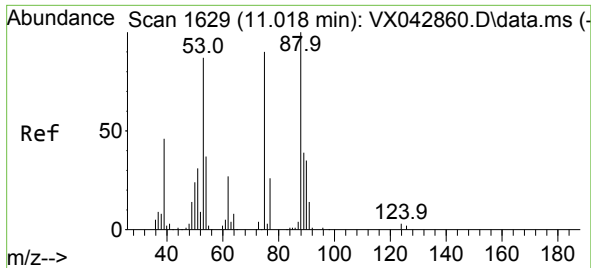
Tgt Ion: 95 Resp: 79138
Ion Ratio Lower Upper
95 100
174 78.9 65.0 97.6
176 74.6 63.4 95.0



#63
Toluene-d8
Concen: 30.207 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX042960.D
Acq: 08 Aug 2024 17:20

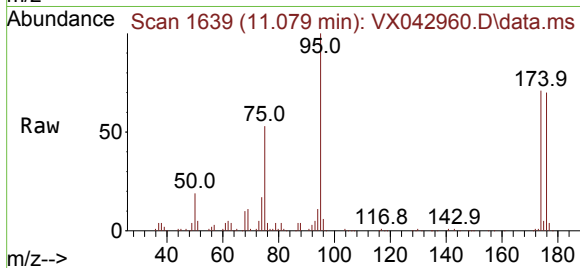
Tgt Ion: 98 Resp: 252367
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 39.579 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042960.D
 Acq: 08 Aug 2024 17:20

Instrument :
 MSVOA_X
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Tgt Ion: 75 Resp: 40947
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.5#
 89 0.0 21.9 65.5#

