

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052124\
 Data File : VX041585.D
 Acq On : 21 May 2024 13:47
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: May 22 02:54:40 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

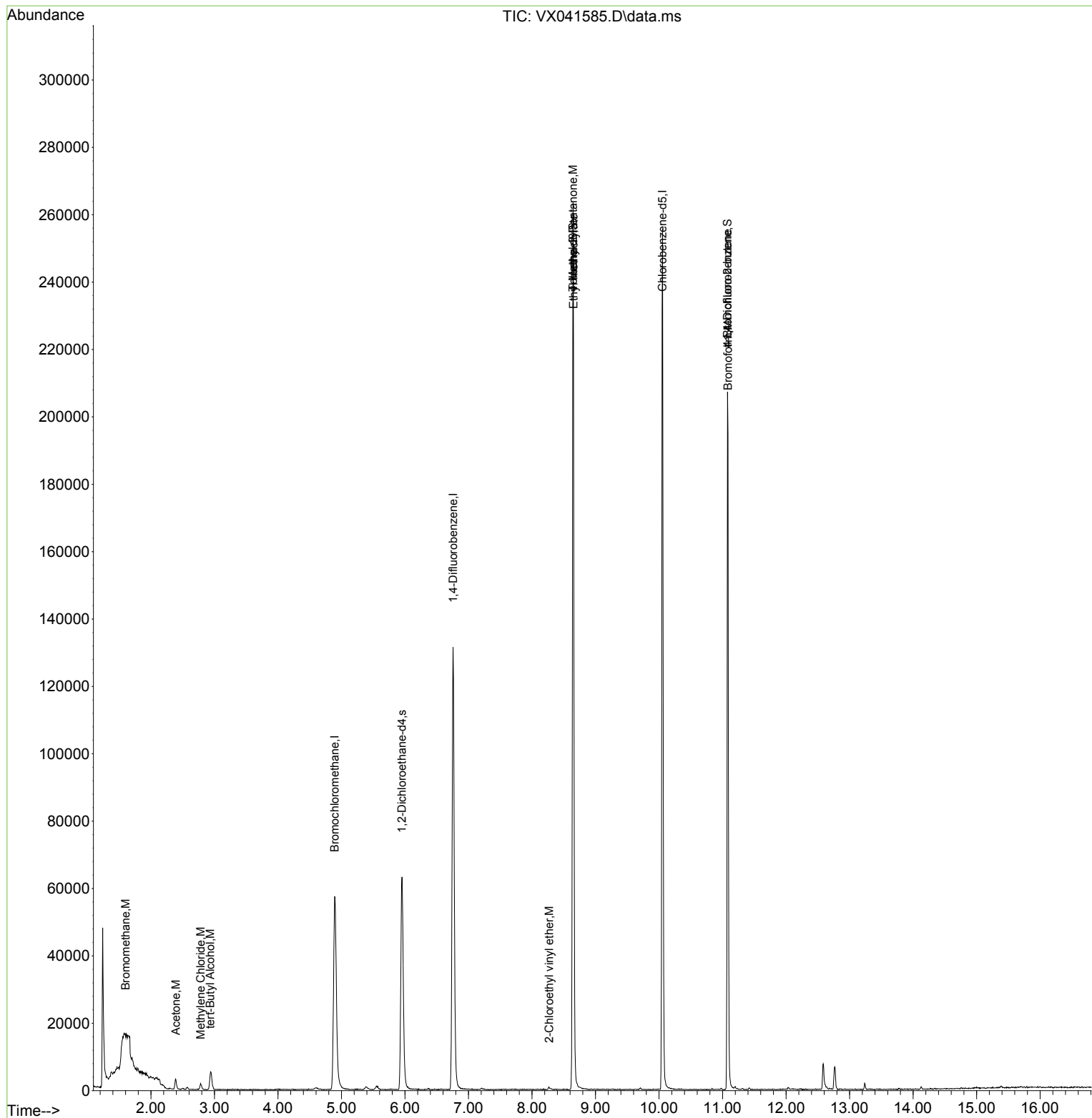
Internal Standards						
1) Bromochloromethane	4.891	128	26910	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	137765	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	122323	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	63620	30.022	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.067%
60) 4-Bromofluorobenzene	11.079	95	51928	27.194	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.633%
63) Toluene-d8	8.647	98	156367	29.821	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	350	0.339	ug/l	96
15) Acetone	2.392	58	933	3.820	ug/l	91
18) Methylene Chloride	2.782	84	900	0.550	ug/l #	88
23) tert-Butyl Alcohol	2.934	59	3294	8.514	ug/l #	100
51) Ethyl methacrylate	8.653	69	541	0.226	ug/l	73
55) 2-Chloroethyl vinyl ether	8.269	63	374	0.320	ug/l #	71
56) Bromoform	11.085	173	562	0.414	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	816	0.365	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26988	41.228	ug/l #	1

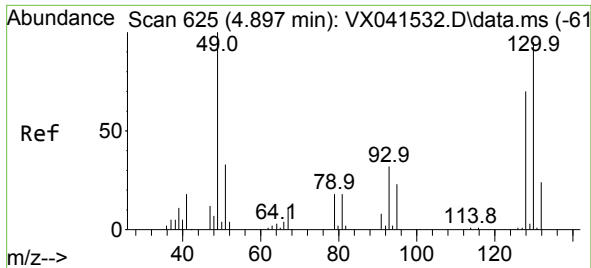
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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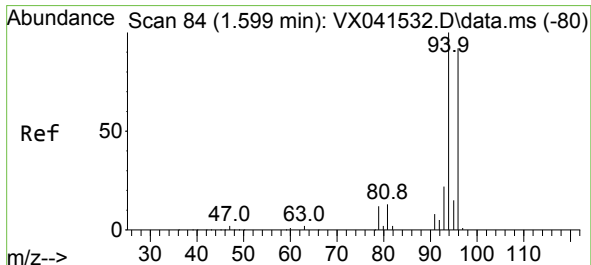
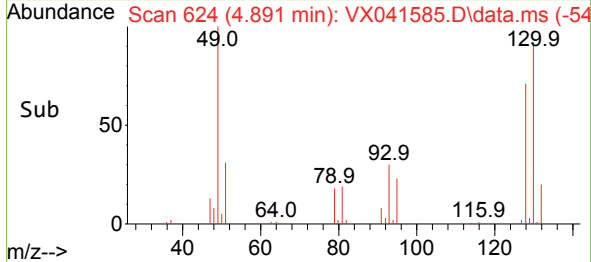
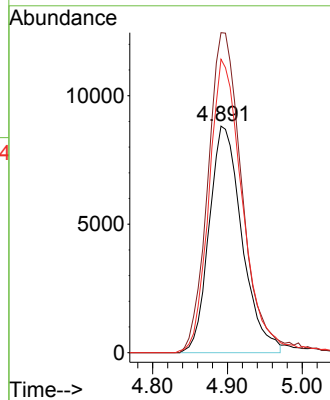
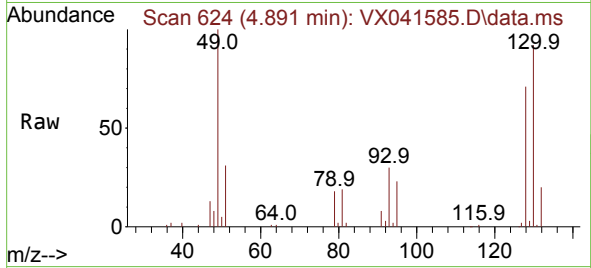




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.891 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX041585.D
Acq: 21 May 2024 13:47

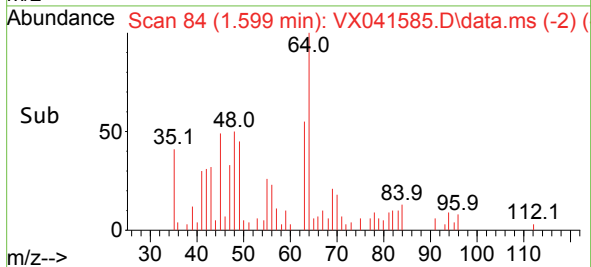
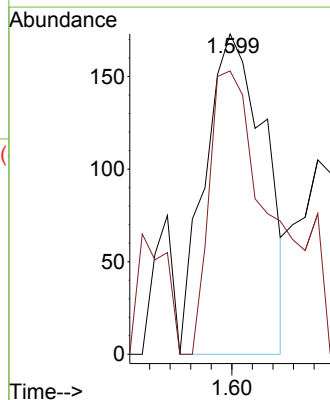
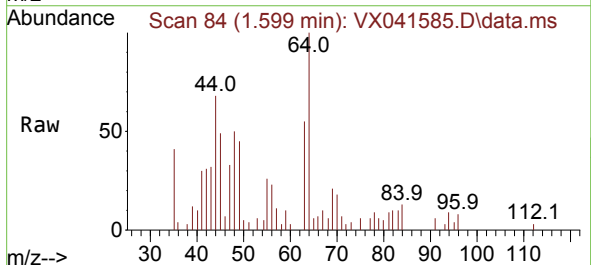
Instrument :
MSVOA_X
ClientSampleId :
IBLK

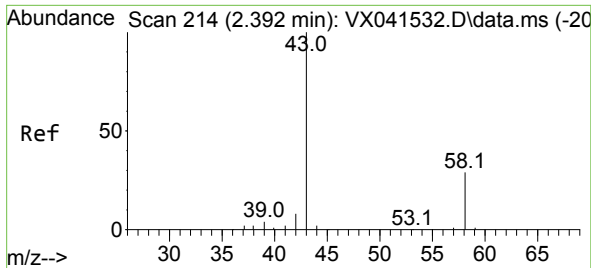
Tgt Ion:128 Resp: 26910
Ion Ratio Lower Upper
128 100
49 147.0 0.0 361.5
130 131.8 0.0 324.3



#5
Bromomethane
Concen: 0.339 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041585.D
Acq: 21 May 2024 13:47

Tgt Ion: 94 Resp: 350
Ion Ratio Lower Upper
94 100
96 88.4 73.9 110.9





#15

Acetone

Concen: 3.820 ug/l

RT: 2.392 min Scan# 214

Delta R.T. -0.000 min

Lab File: VX041585.D

Acq: 21 May 2024 13:47

Instrument :

MSVOA_X

ClientSampleId :

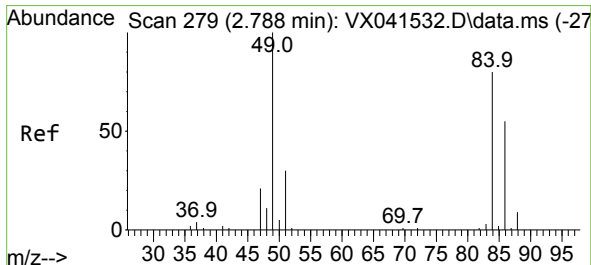
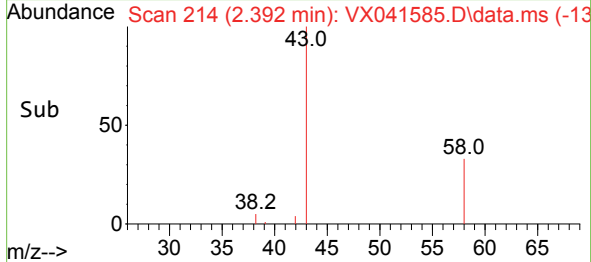
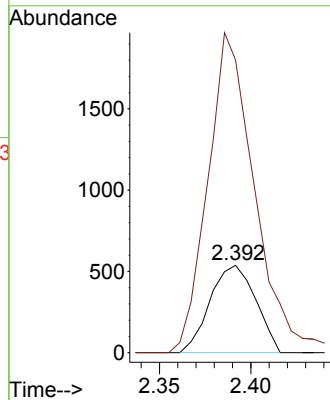
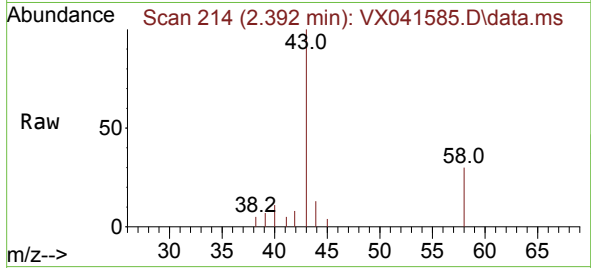
IBLK

Tgt Ion: 58 Resp: 933

Ion Ratio Lower Upper

58 100

43 323.0 274.0 411.0



#18

Methylene Chloride

Concen: 0.550 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX041585.D

Acq: 21 May 2024 13:47

Tgt Ion: 84 Resp: 900

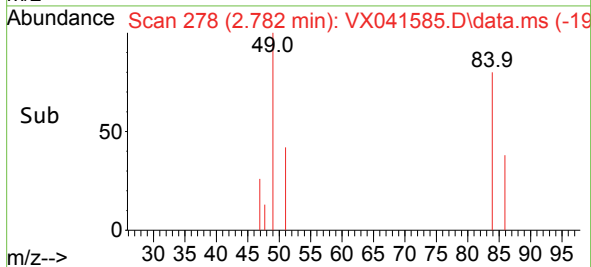
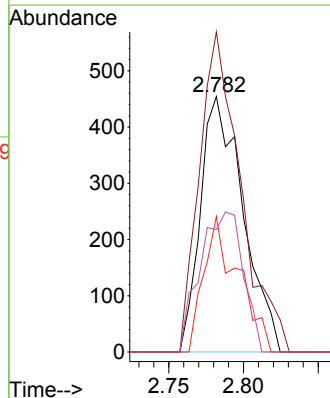
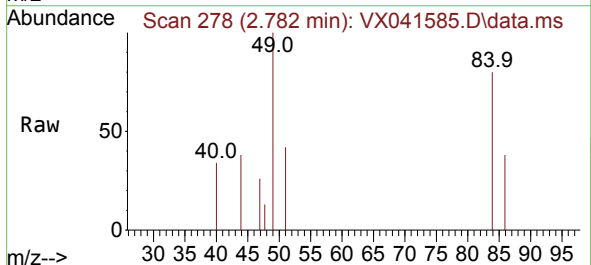
Ion Ratio Lower Upper

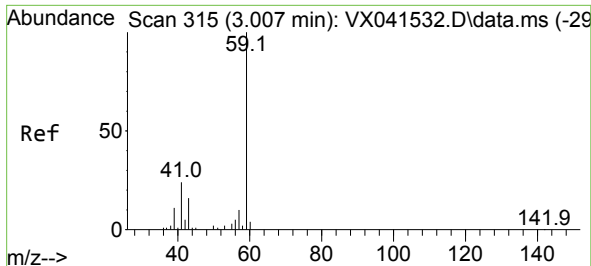
84 100

49 125.3 99.8 149.8

51 53.1 30.2 45.4#

86 48.0 54.6 81.8#

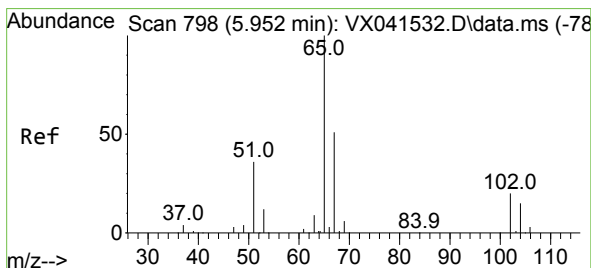
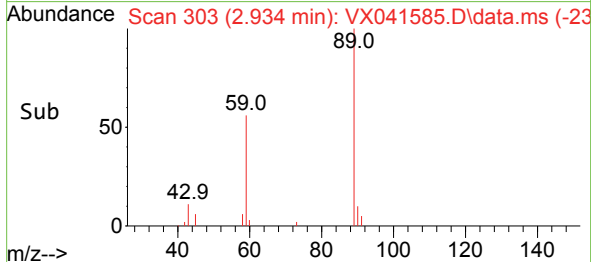
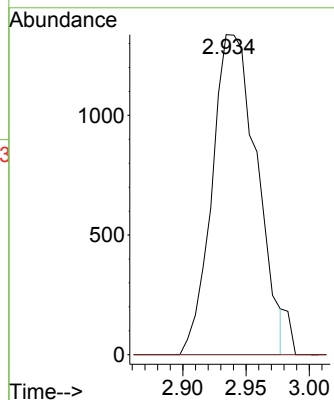
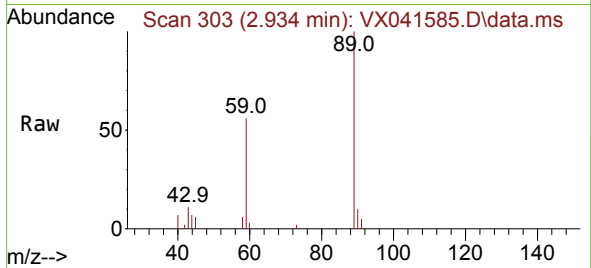




#23
tert-Butyl Alcohol
Concen: 8.514 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.073 min
Lab File: VX041585.D
Acq: 21 May 2024 13:47

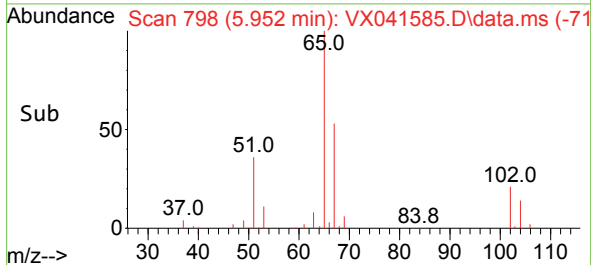
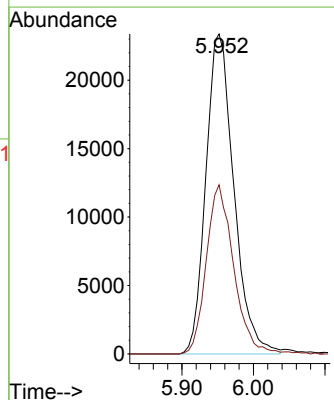
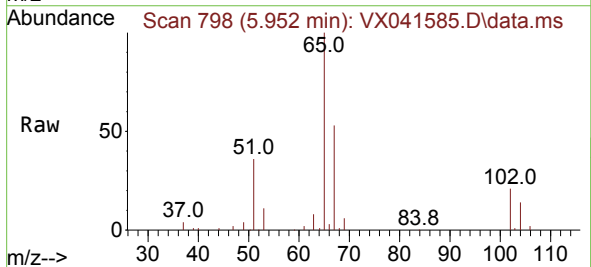
Instrument :
MSVOA_X
ClientSampleId :
IBLK

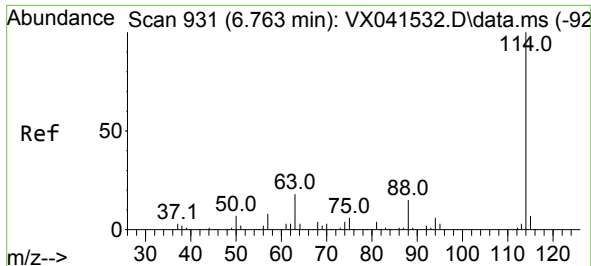
Tgt Ion: 59 Resp: 3294
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 30.022 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041585.D
Acq: 21 May 2024 13:47

Tgt Ion: 65 Resp: 63620
Ion Ratio Lower Upper
65 100
67 51.4 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX041585.D

Acq: 21 May 2024 13:47

Instrument :

MSVOA_X

ClientSampleId :

IBLK

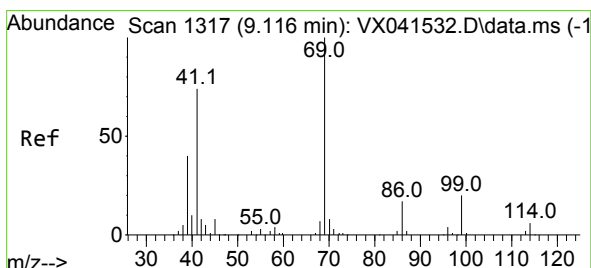
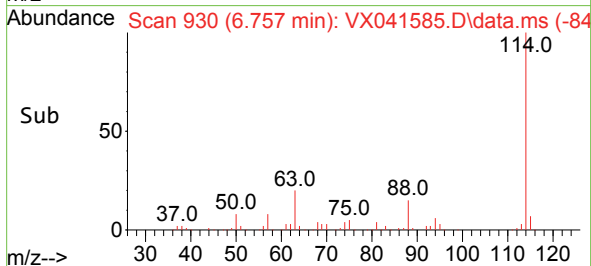
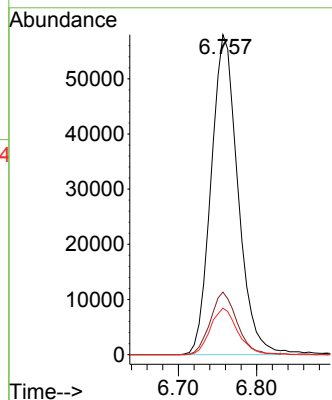
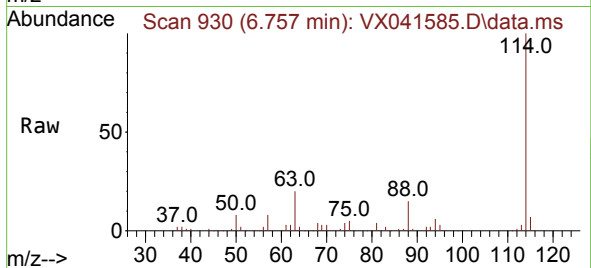
Tgt Ion:114 Resp: 137765

Ion Ratio Lower Upper

114 100

63 19.3 15.4 23.0

88 14.8 12.2 18.2



#51

Ethyl methacrylate

Concen: 0.226 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX041585.D

Acq: 21 May 2024 13:47

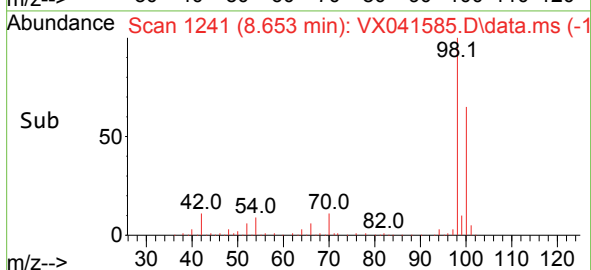
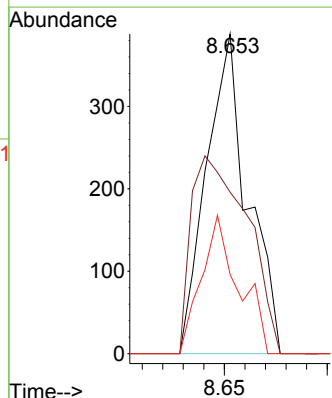
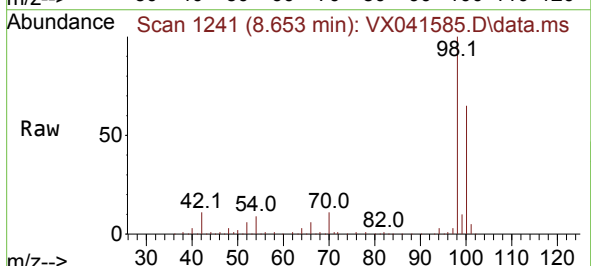
Tgt Ion: 69 Resp: 541

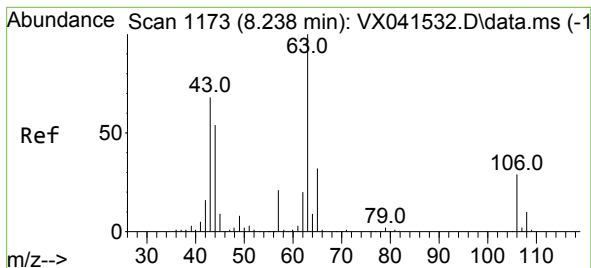
Ion Ratio Lower Upper

69 100

41 50.5 37.1 111.3

39 24.7 20.2 60.6

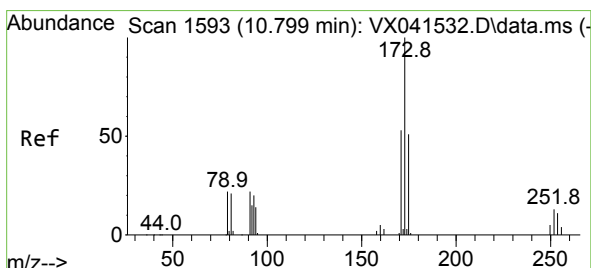
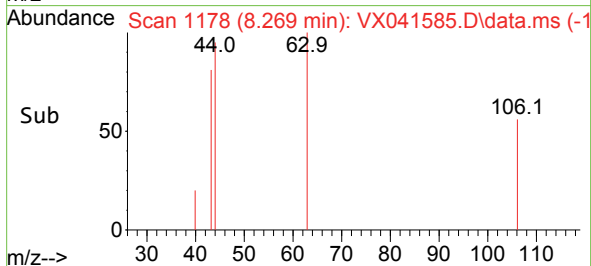
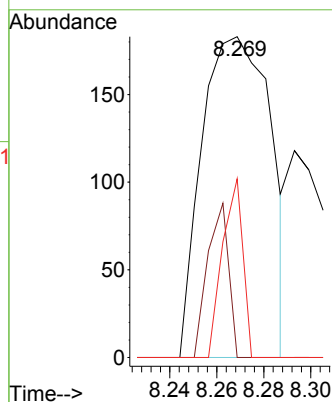
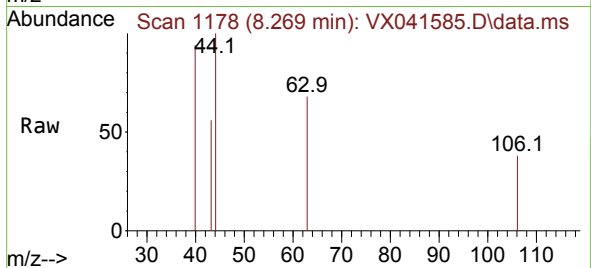




#55
2-Chloroethyl vinyl ether
Concen: 0.320 ug/l
RT: 8.269 min Scan# 1173
Delta R.T. 0.030 min
Lab File: VX041585.D
Acq: 21 May 2024 13:47

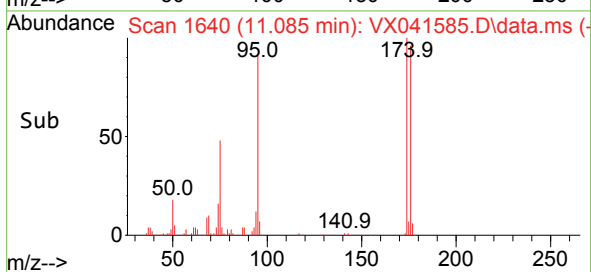
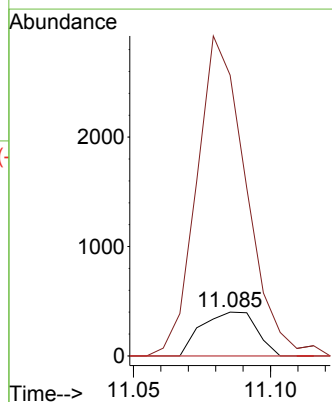
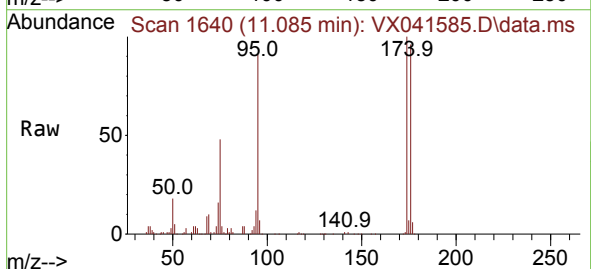
Instrument :
MSVOA_X
ClientSampleId :
IBLK

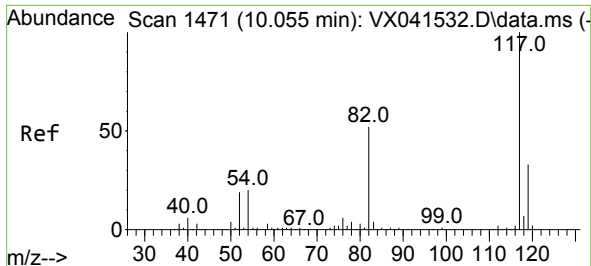
Tgt Ion: 63 Resp: 374
Ion Ratio Lower Upper
63 100
65 14.7 25.5 38.3#
106 16.3 24.7 37.1#



#56
Bromoform
Concen: 0.414 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX041585.D
Acq: 21 May 2024 13:47

Tgt Ion:173 Resp: 562
Ion Ratio Lower Upper
173 100
175 653.0 39.0 58.6#
254 0.0 10.3 15.5#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX041585.D

Acq: 21 May 2024 13:47

Instrument :

MSVOA_X

ClientSampleId :

IBLK

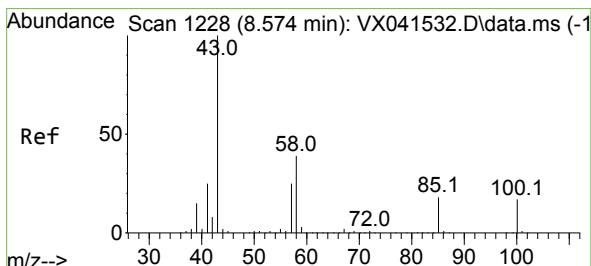
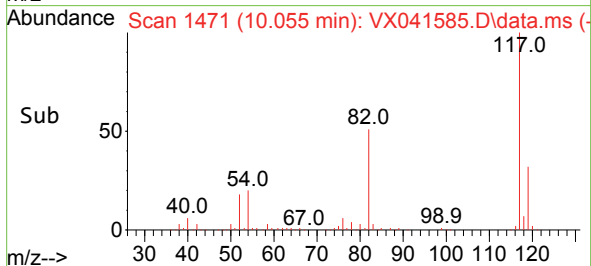
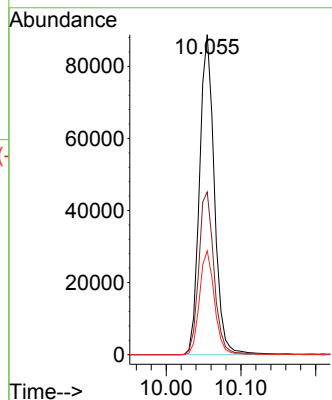
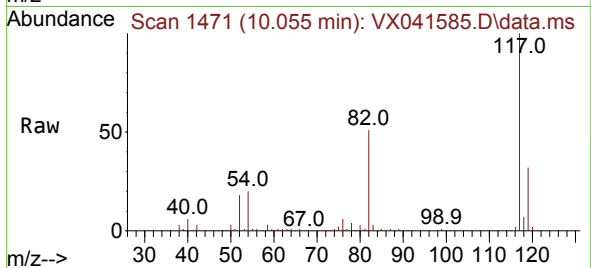
Tgt Ion:117 Resp: 122323

Ion Ratio Lower Upper

117 100

82 52.5 41.7 62.5

119 32.7 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.365 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041585.D

Acq: 21 May 2024 13:47

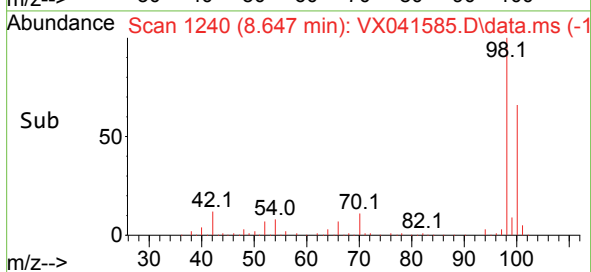
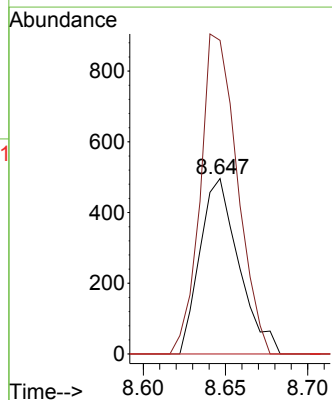
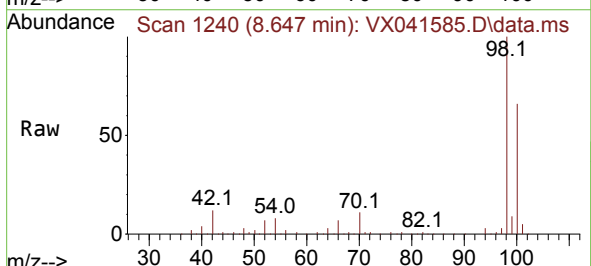
Tgt Ion: 43 Resp: 816

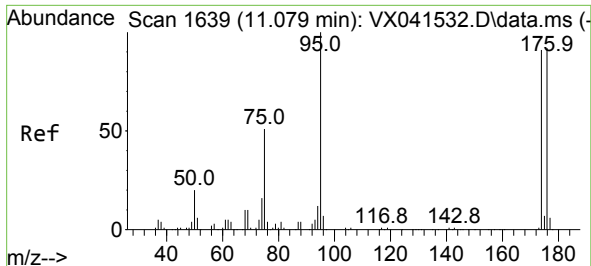
Ion Ratio Lower Upper

43 100

58 173.4 30.2 45.4#

85 0.0 14.6 21.8#

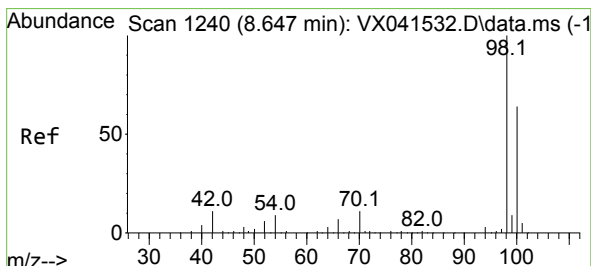
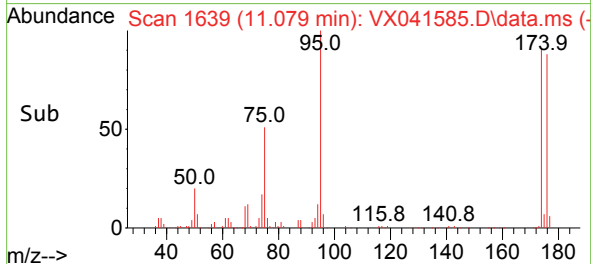
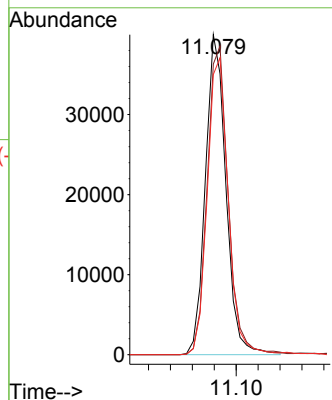
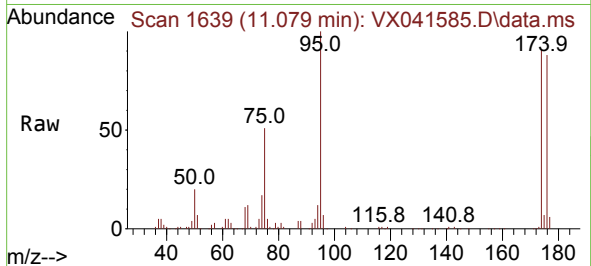




#60
4-Bromofluorobenzene
Concen: 27.194 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041585.D
Acq: 21 May 2024 13:47

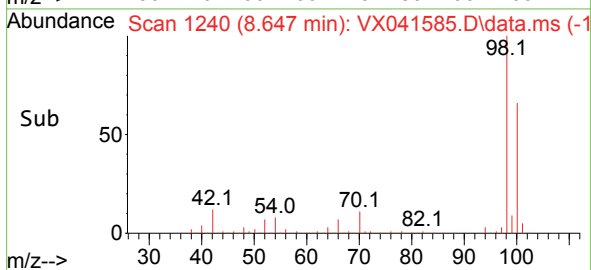
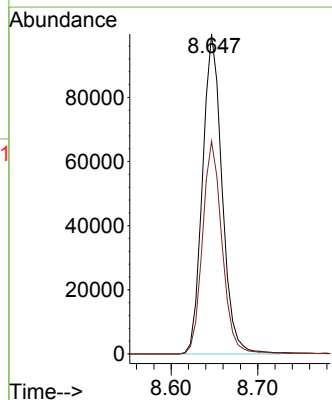
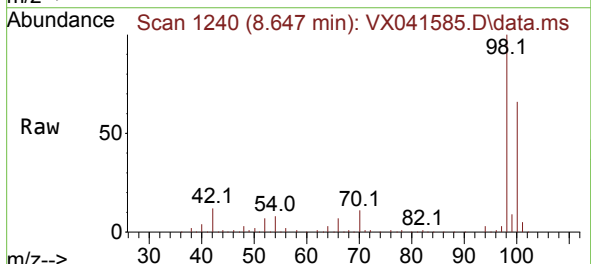
Instrument :
MSVOA_X
ClientSampleId :
IBLK

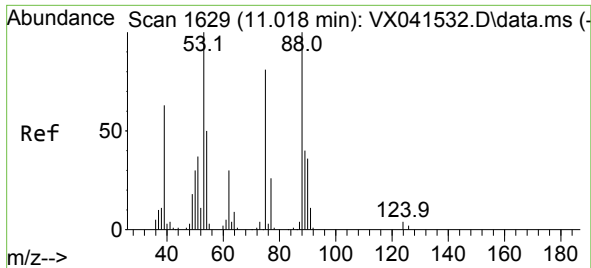
Tgt Ion: 95 Resp: 51928
Ion Ratio Lower Upper
95 100
174 99.2 76.6 115.0
176 95.0 75.4 113.0



#63
Toluene-d8
Concen: 29.821 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041585.D
Acq: 21 May 2024 13:47

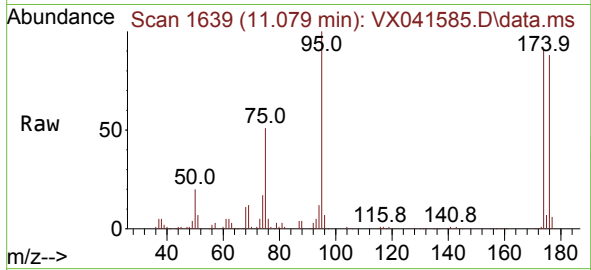
Tgt Ion: 98 Resp: 156367
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 41.228 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041585.D
Acq: 21 May 2024 13:47

Instrument :
MSVOA_X
ClientSampleId :
IBLK



Tgt Ion:	75	Resp:	26988
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.8	185.3#
89	0.0	24.9	74.7#

