

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
 Data File : VX041686.D
 Acq On : 30 May 2024 11:35
 Operator : JC/MD
 Sample : P2621-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 31 05:28:46 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)

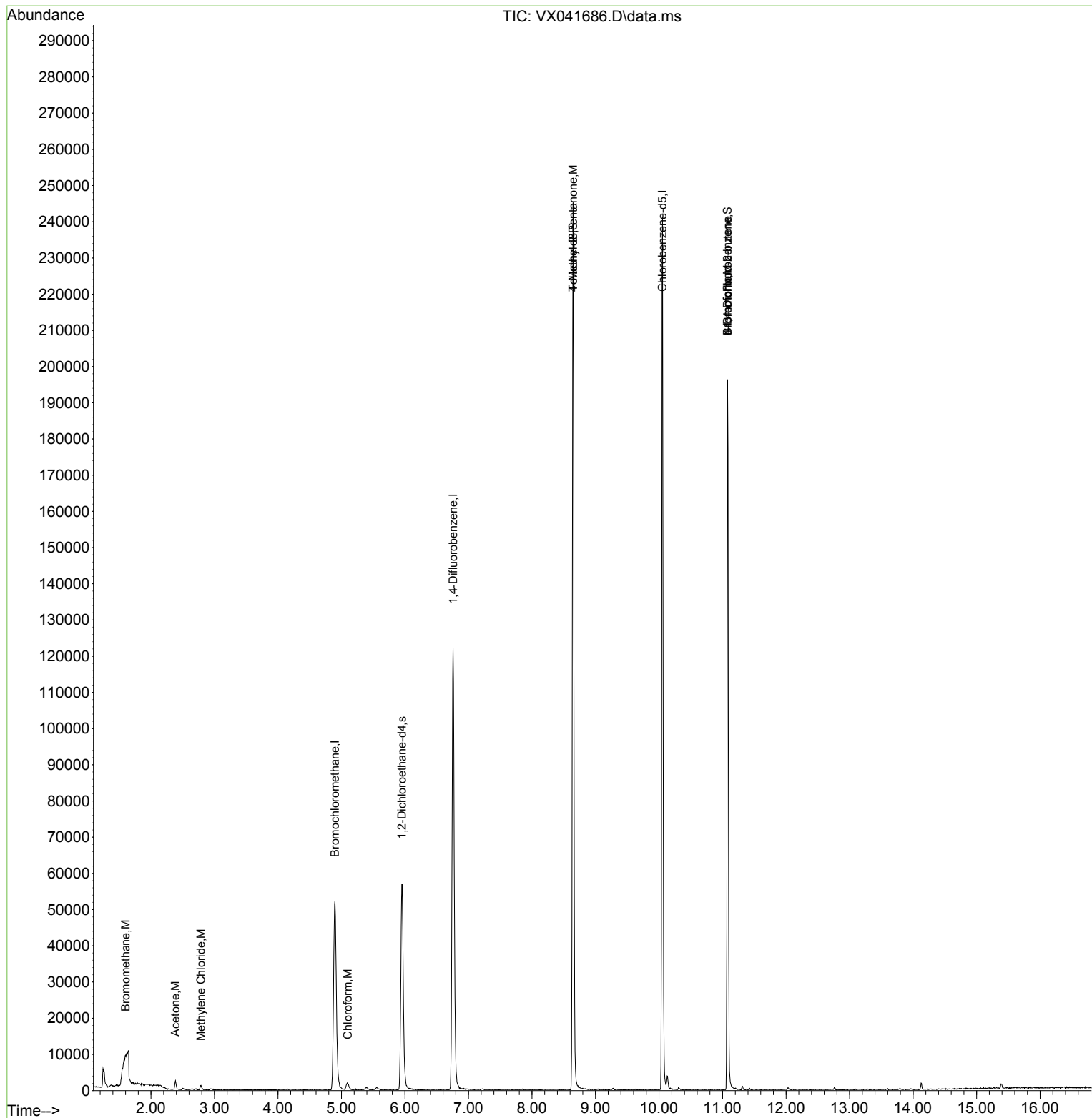
Internal Standards						
1) Bromochloromethane	4.897	128	24548	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	130357	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	116153	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	57077	29.526	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.433%
60) 4-Bromofluorobenzene	11.079	95	50187	27.678	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.267%
63) Toluene-d8	8.647	98	145840	29.291	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.633%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	208	0.221	ug/l #	39
15) Acetone	2.386	58	752	3.375	ug/l	91
18) Methylene Chloride	2.788	84	629	0.421	ug/l #	91
25) Chloroform	5.098	83	2352	0.840	ug/l	86
56) Bromoform	11.079	173	504	0.392	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	687	0.324	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25182	40.513	ug/l #	1

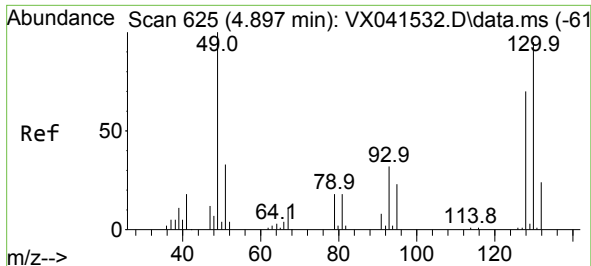
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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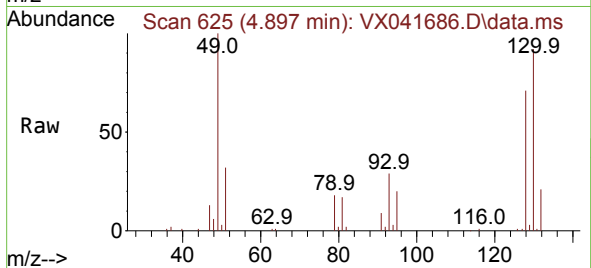
Quant Time: May 31 05:28:46 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



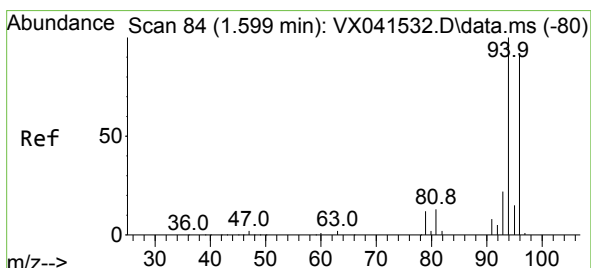
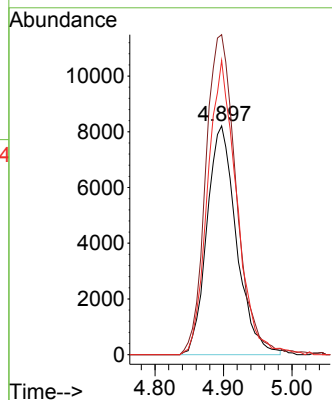
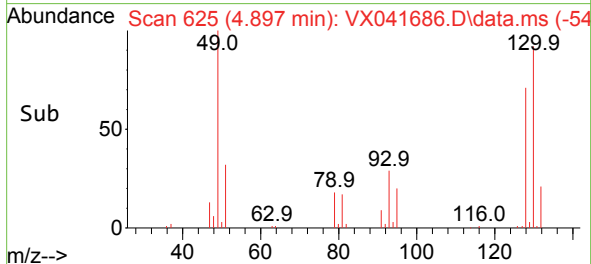


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041686.D
Acq: 30 May 2024 11:35

Instrument :
MSVOA_X
ClientSampleId :

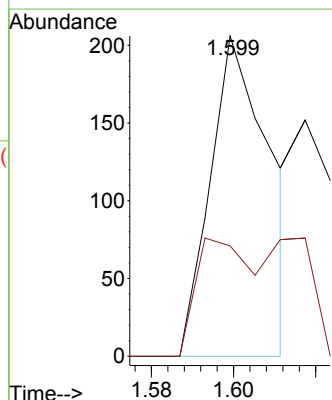
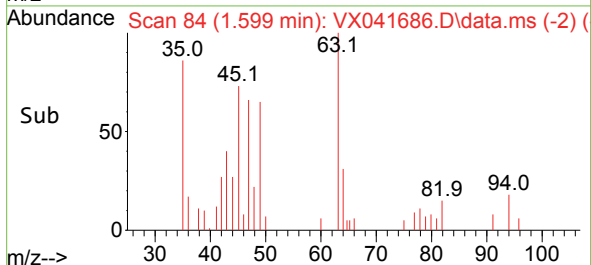
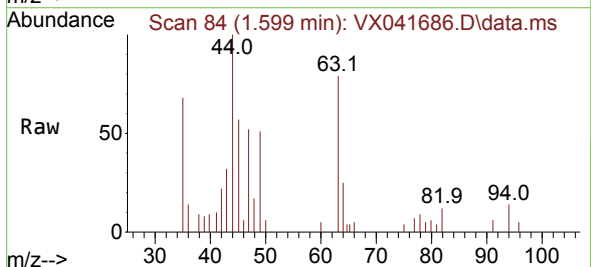


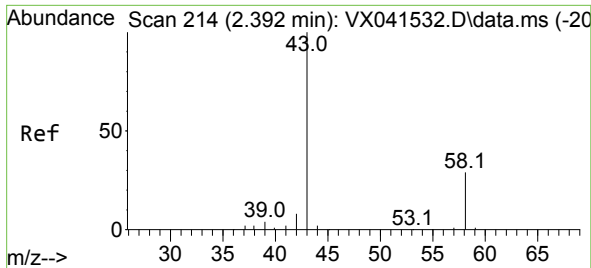
Tgt Ion:128 Resp: 24548
Ion Ratio Lower Upper
128 100
49 144.4 0.0 361.5
130 125.8 0.0 324.3



#5
Bromomethane
Concen: 0.221 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041686.D
Acq: 30 May 2024 11:35

Tgt Ion: 94 Resp: 208
Ion Ratio Lower Upper
94 100
96 34.5 73.9 110.9#





#15

Acetone

Concen: 3.375 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041686.D

Acq: 30 May 2024 11:35

Instrument :

MSVOA_X

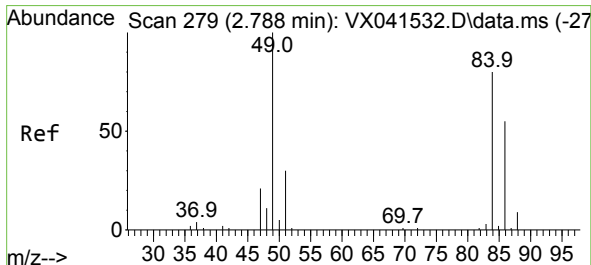
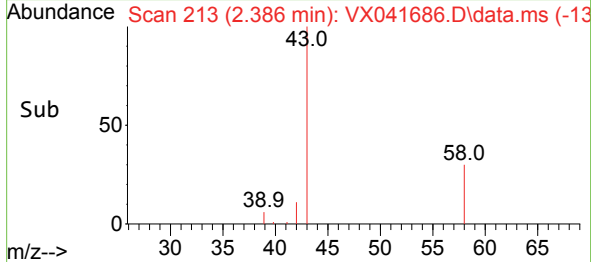
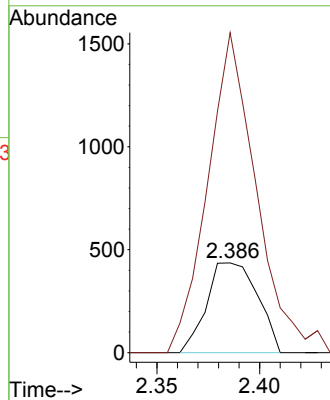
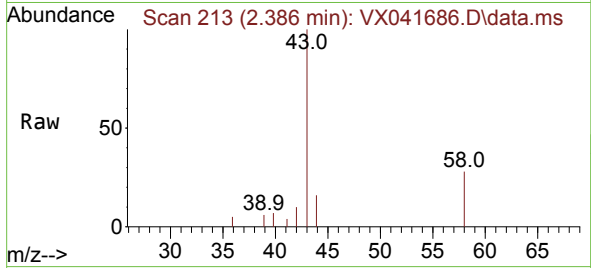
ClientSampleId :

Tgt Ion: 58 Resp: 752

Ion Ratio Lower Upper

58 100

43 323.6 274.0 411.0



#18

Methylene Chloride

Concen: 0.421 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX041686.D

Acq: 30 May 2024 11:35

Tgt Ion: 84 Resp: 629

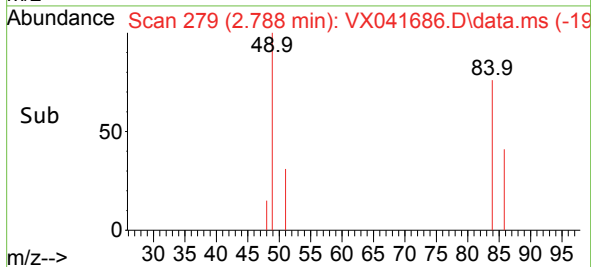
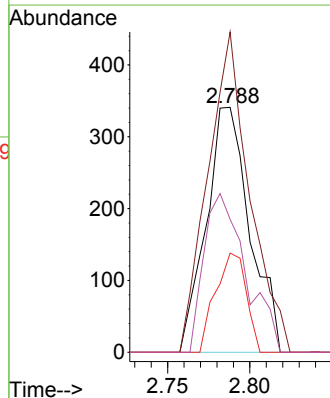
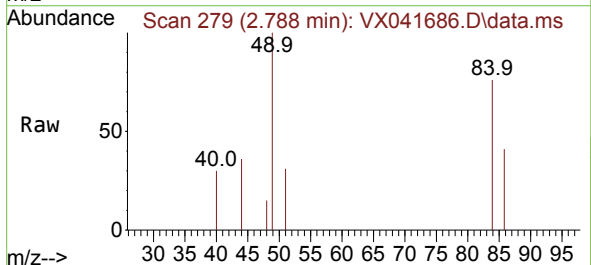
Ion Ratio Lower Upper

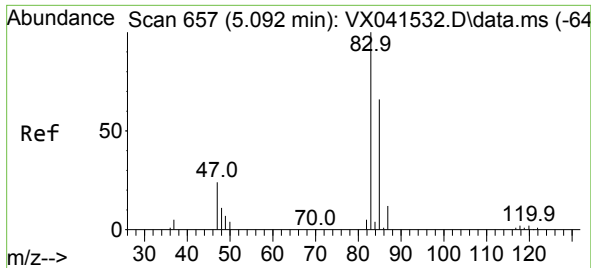
84 100

49 130.8 99.8 149.8

51 40.5 30.2 45.4

86 54.3 54.6 81.8#

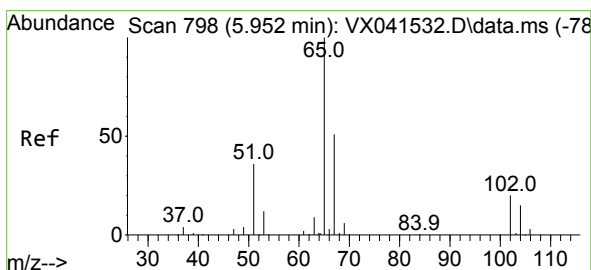
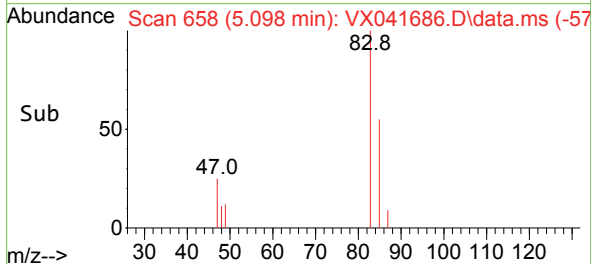
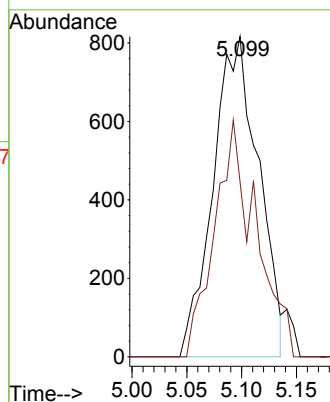
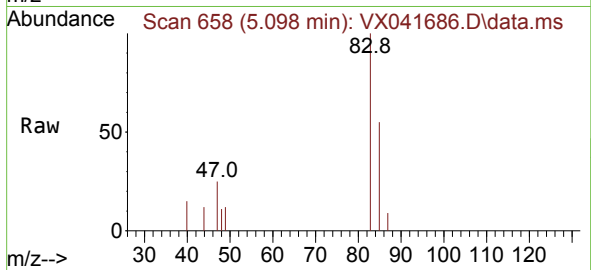




#25
Chloroform
Concen: 0.840 ug/l
RT: 5.098 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041686.D
Acq: 30 May 2024 11:35

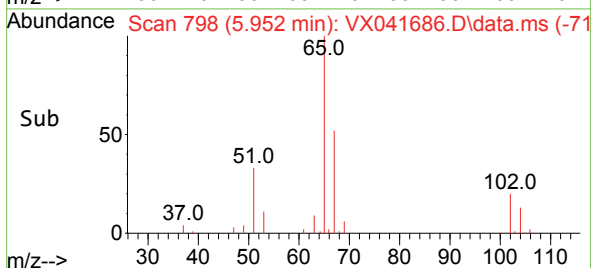
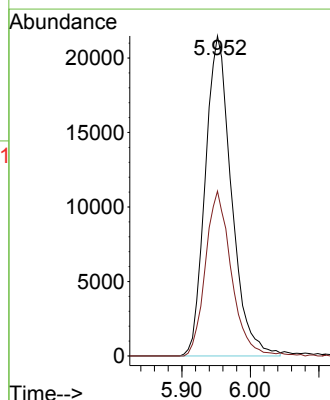
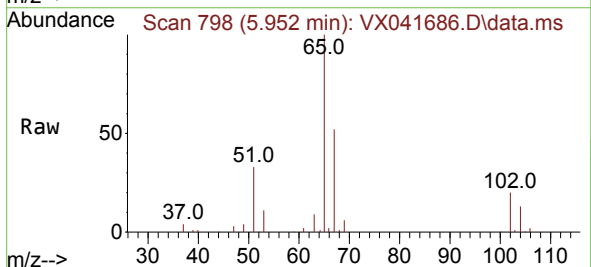
Instrument :
MSVOA_X
ClientSampleId :

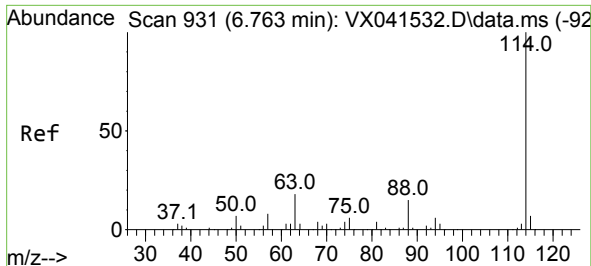
Tgt Ion: 83 Resp: 2352
Ion Ratio Lower Upper
83 100
85 54.7 52.9 79.3



#27
1,2-Dichloroethane-d4
Concen: 29.526 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX041686.D
Acq: 30 May 2024 11:35

Tgt Ion: 65 Resp: 57077
Ion Ratio Lower Upper
65 100
67 50.7 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: VX041686.D

Acq: 30 May 2024 11:35

Instrument :

MSVOA_X

ClientSampleId :

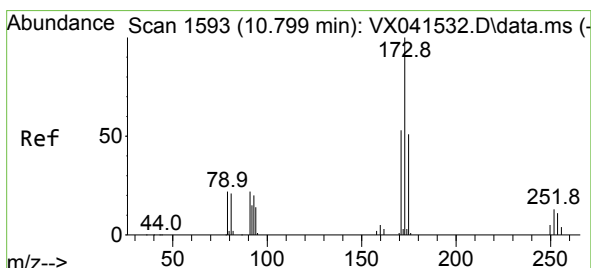
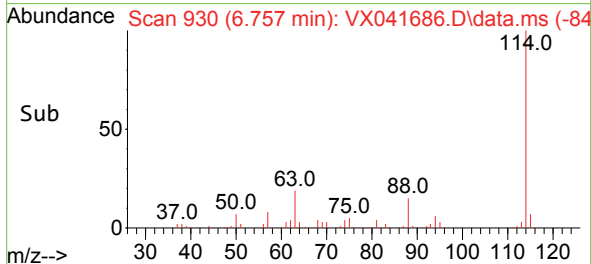
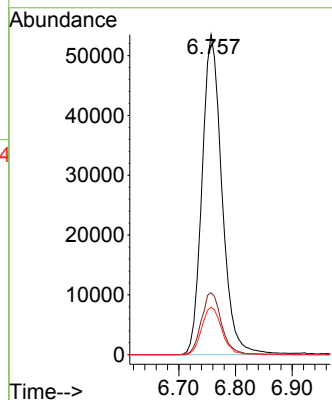
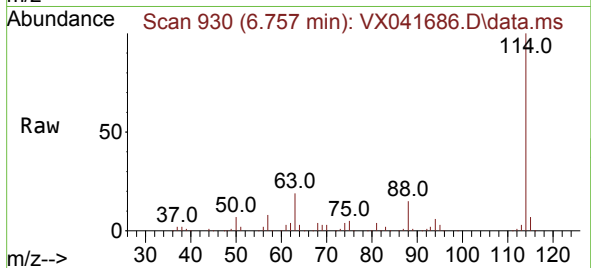
Tgt Ion:114 Resp: 130357

Ion Ratio Lower Upper

114 100

63 19.5 15.4 23.0

88 14.8 12.2 18.2



#56

Bromoform

Concen: 0.392 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX041686.D

Acq: 30 May 2024 11:35

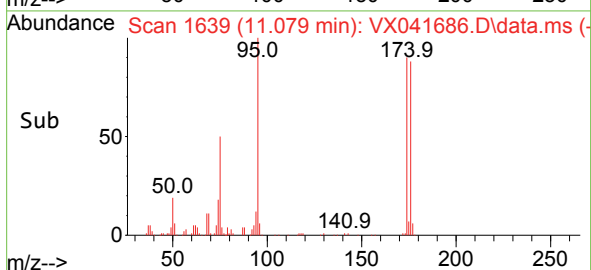
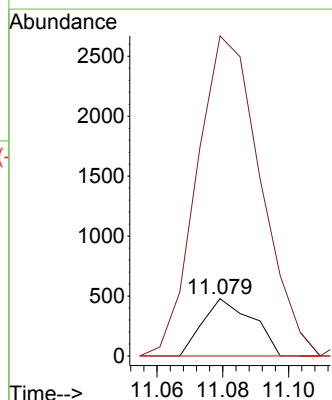
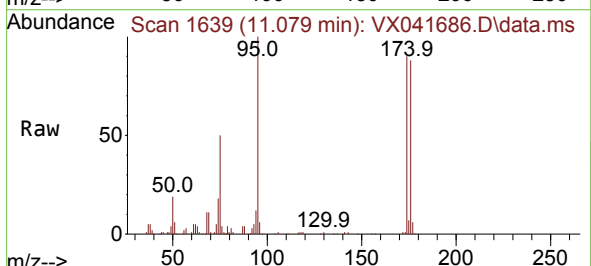
Tgt Ion:173 Resp: 504

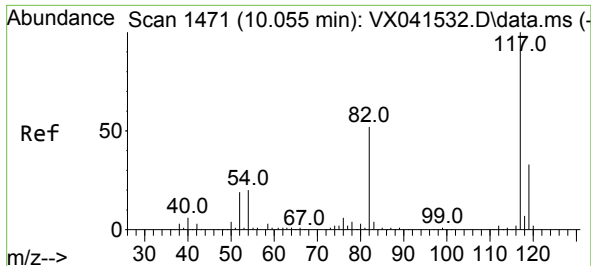
Ion Ratio Lower Upper

173 100

175 715.7 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

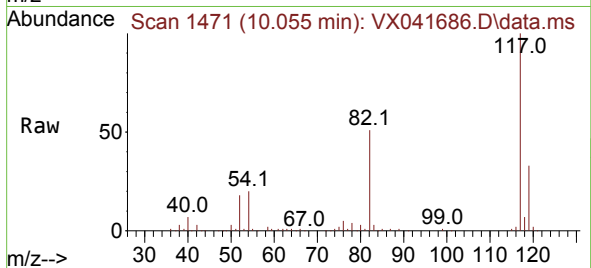
Lab File: VX041686.D

Acq: 30 May 2024 11:35

Instrument :

MSVOA_X

ClientSampleId :



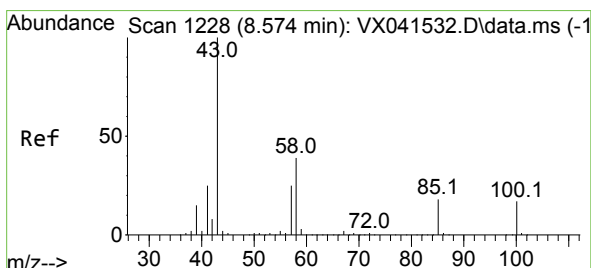
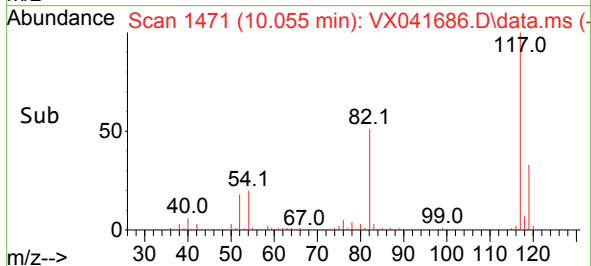
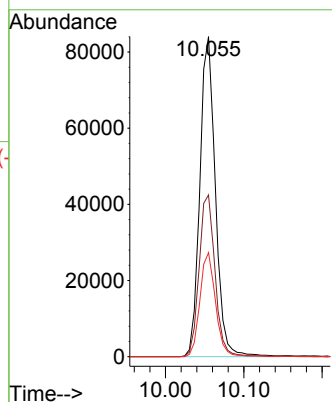
Tgt Ion:117 Resp: 116153

Ion Ratio Lower Upper

117 100

82 51.8 41.7 62.5

119 32.4 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.324 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041686.D

Acq: 30 May 2024 11:35

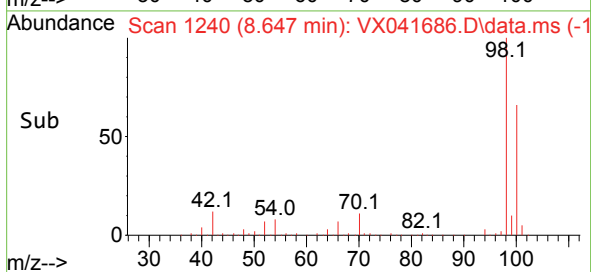
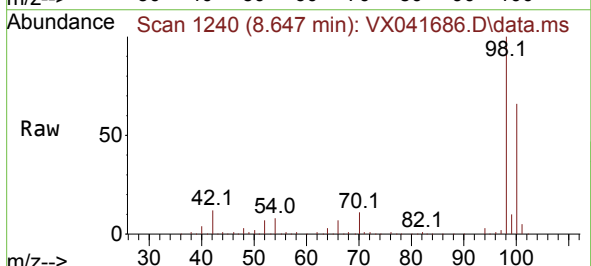
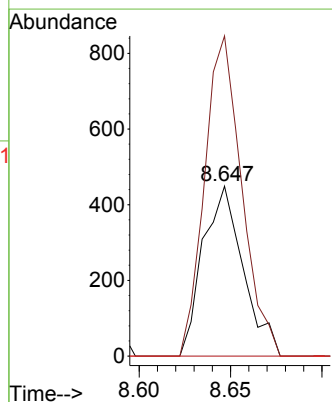
Tgt Ion: 43 Resp: 687

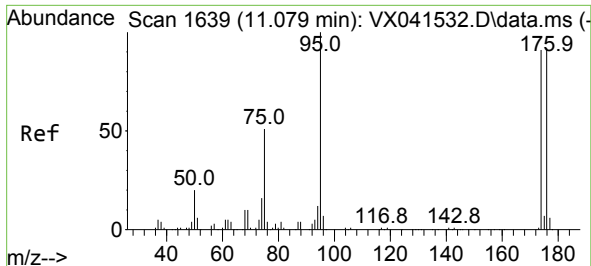
Ion Ratio Lower Upper

43 100

58 174.2 30.2 45.4#

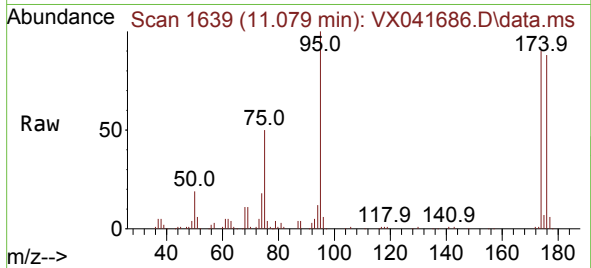
85 0.0 14.6 21.8#



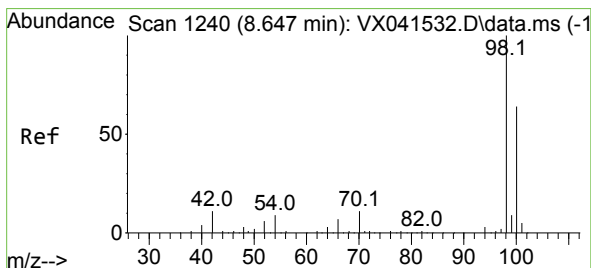
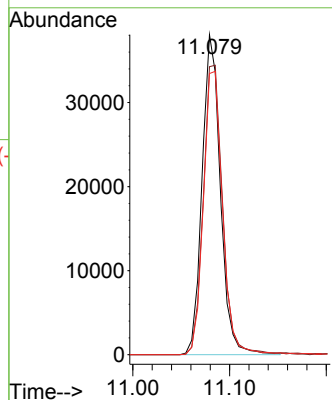
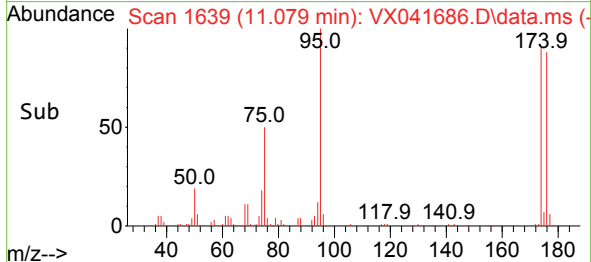


#60
4-Bromofluorobenzene
Concen: 27.678 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041686.D
Acq: 30 May 2024 11:35

Instrument :
MSVOA_X
ClientSampleId :

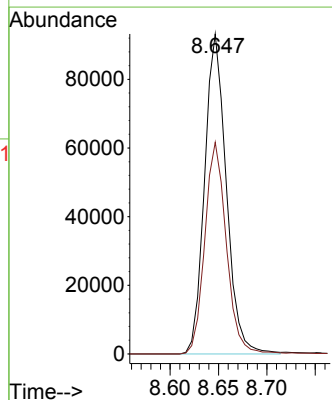
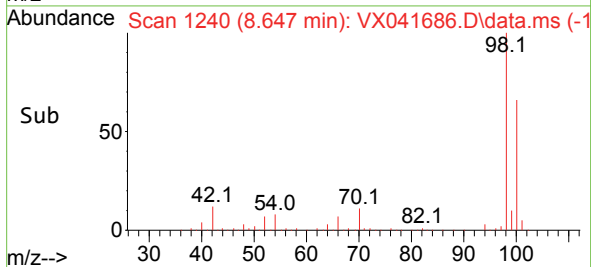
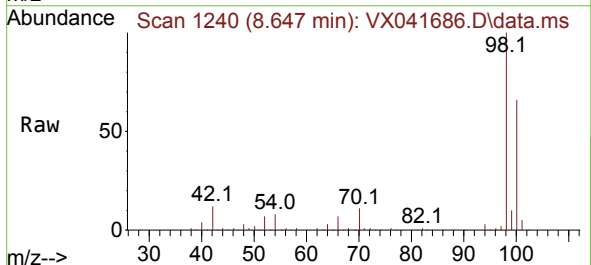


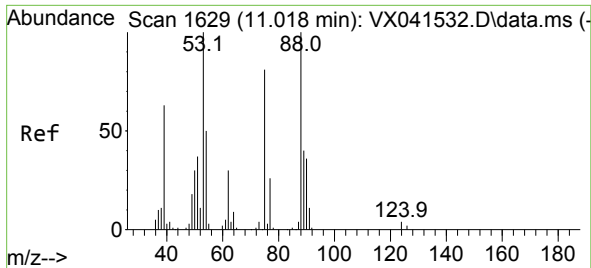
Tgt Ion: 95 Resp: 50187
Ion Ratio Lower Upper
95 100
174 95.3 76.6 115.0
176 92.6 75.4 113.0



#63
Toluene-d8
Concen: 29.291 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041686.D
Acq: 30 May 2024 11:35

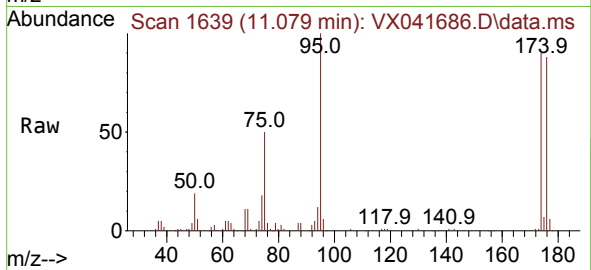
Tgt Ion: 98 Resp: 145840
Ion Ratio Lower Upper
98 100
100 65.5 53.1 79.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 40.513 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041686.D
 Acq: 30 May 2024 11:35

Instrument :
 MSVOA_X
 ClientSampleId :



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

