

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041783.D
 Acq On : 07 Jun 2024 12:18
 Operator : JC/MD
 Sample : P2698-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 08 04:04:35 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)

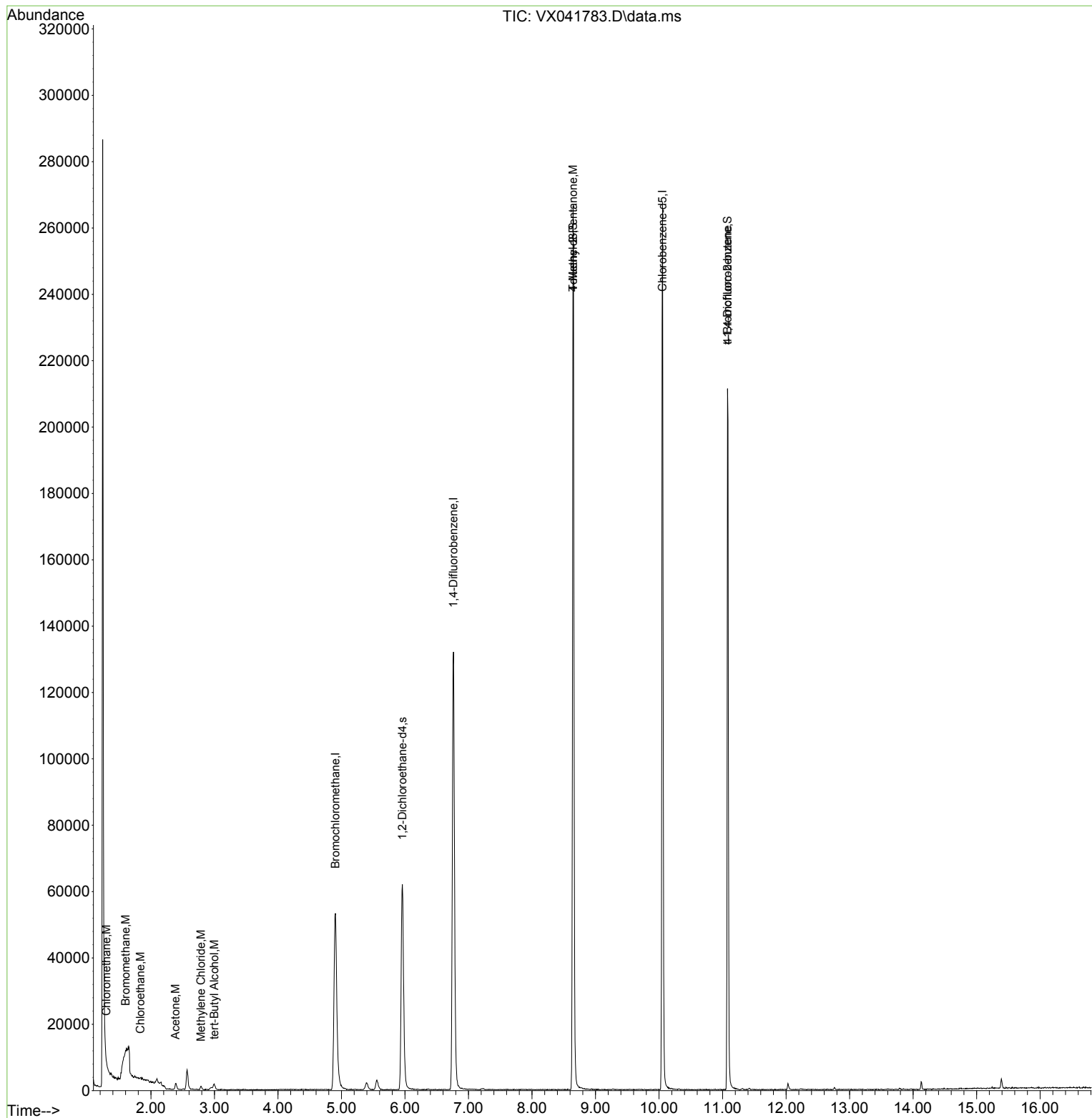
Internal Standards						
1) Bromochloromethane	4.904	128	25361	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	139748	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	125095	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	62128	31.108	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.700%
60) 4-Bromofluorobenzene	11.079	95	54147	27.728	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.433%
63) Toluene-d8	8.647	98	158517	29.561	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.533%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	291	0.200	ug/l #	42
5) Bromomethane	1.599	94	264	0.271	ug/l	86
6) Chloroethane	1.831	64	225	0.291	ug/l	98
15) Acetone	2.386	58	663	2.880	ug/l #	57
18) Methylene Chloride	2.788	84	439	0.284	ug/l #	86
23) tert-Butyl Alcohol	2.995	59	1932	5.299	ug/l #	100
58) 4-Methyl-2-Pentanone	8.647	43	683	0.299	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	27695	41.371	ug/l #	1

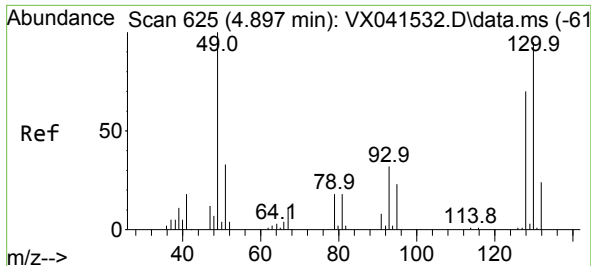
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
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MSVOA_X
ClientSampleId :

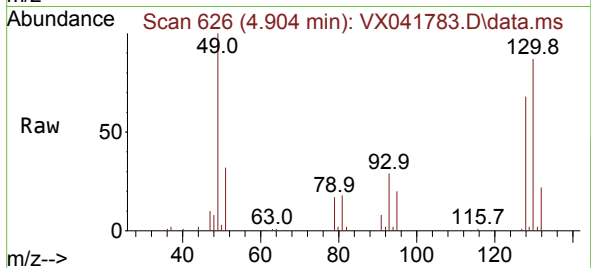
Quant Time: Jun 08 04:04:35 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



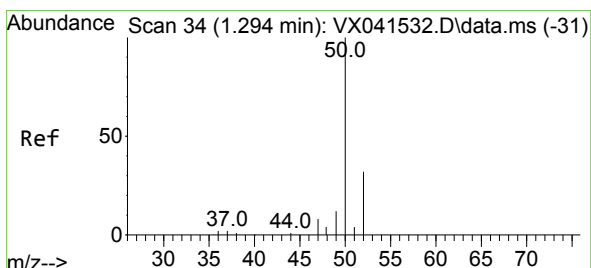
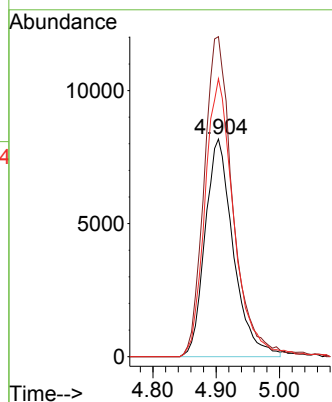
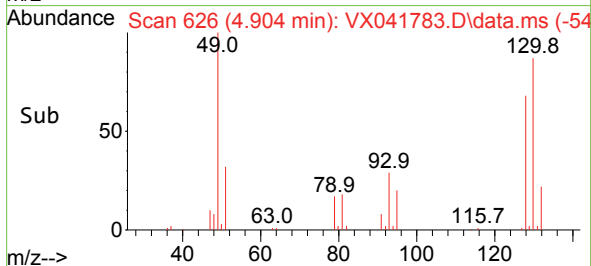


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041783.D
Acq: 07 Jun 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :

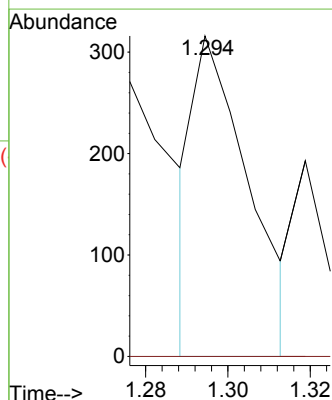
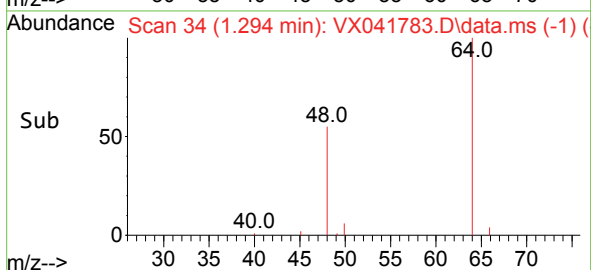
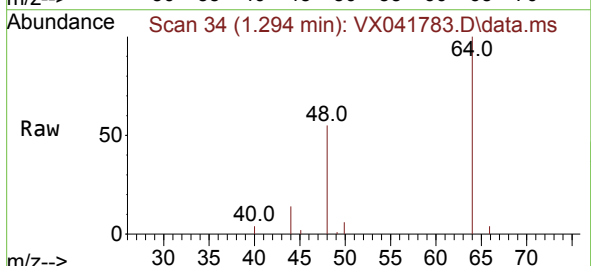


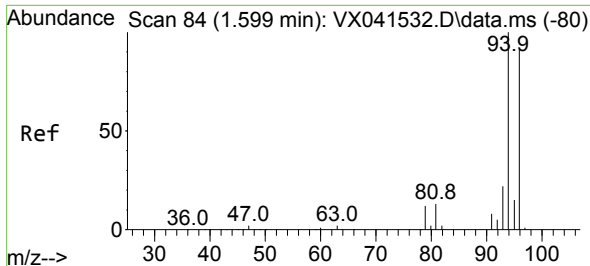
Tgt Ion:128 Resp: 25361
Ion Ratio Lower Upper
128 100
49 149.4 0.0 361.5
130 131.0 0.0 324.3



#3
Chloromethane
Concen: 0.200 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX041783.D
Acq: 07 Jun 2024 12:18

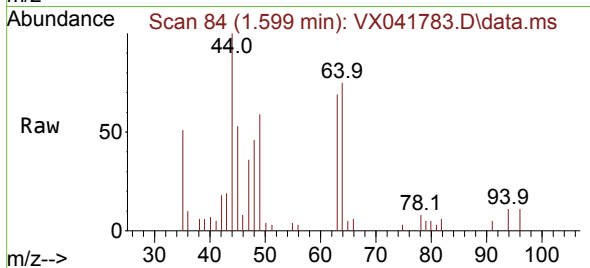
Tgt Ion: 50 Resp: 291
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



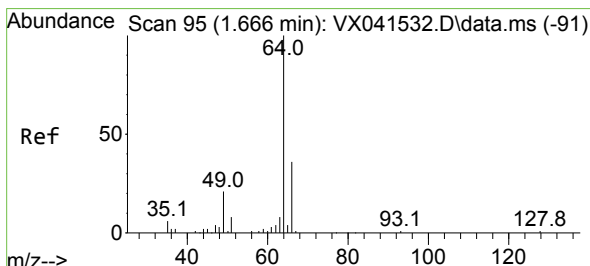
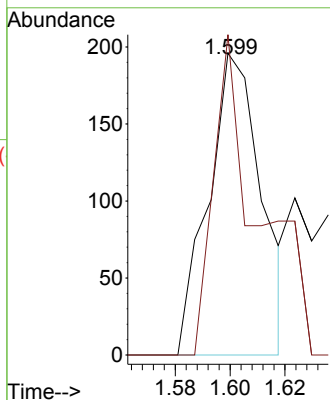
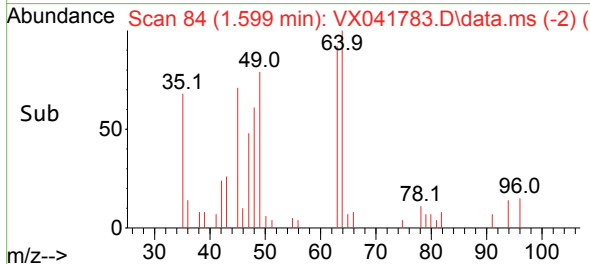


#5
Bromomethane
Concen: 0.271 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041783.D
Acq: 07 Jun 2024 12:18

Instrument :
MSVOA_X
ClientSampleId :

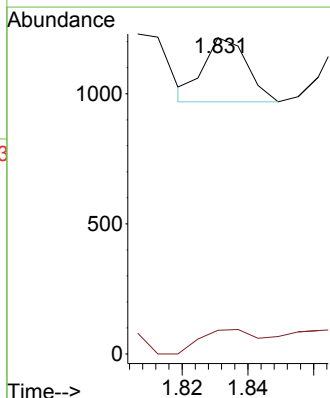
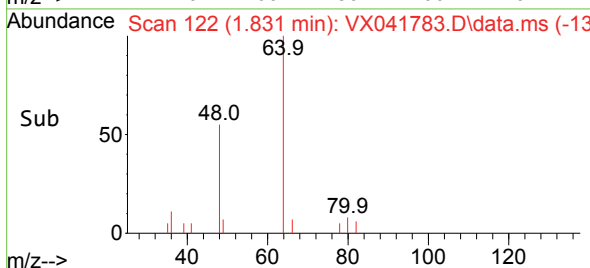
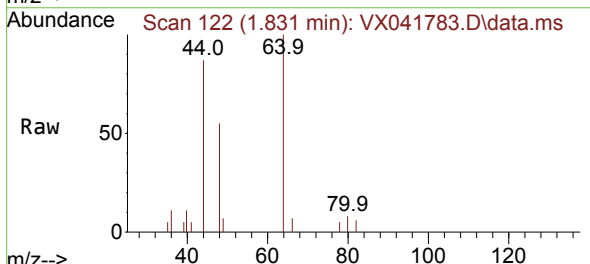


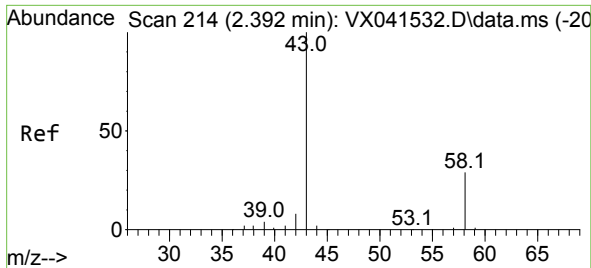
Tgt Ion: 94 Resp: 264
Ion Ratio Lower Upper
94 100
96 106.1 73.9 110.9



#6
Chloroethane
Concen: 0.291 ug/l
RT: 1.831 min Scan# 122
Delta R.T. 0.165 min
Lab File: VX041783.D
Acq: 07 Jun 2024 12:18

Tgt Ion: 64 Resp: 225
Ion Ratio Lower Upper
64 100
66 37.0 28.6 42.8





#15

Acetone

Concen: 2.880 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041783.D

Acq: 07 Jun 2024 12:18

Instrument :

MSVOA_X

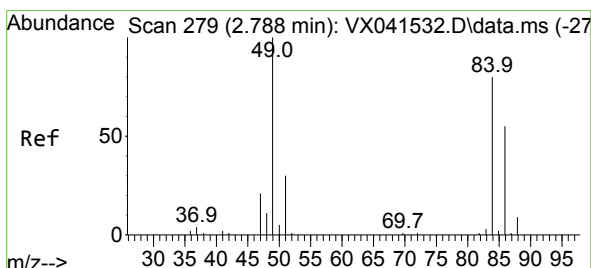
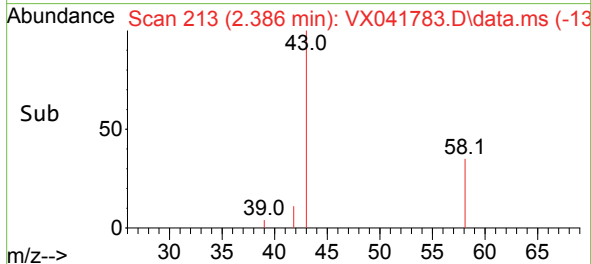
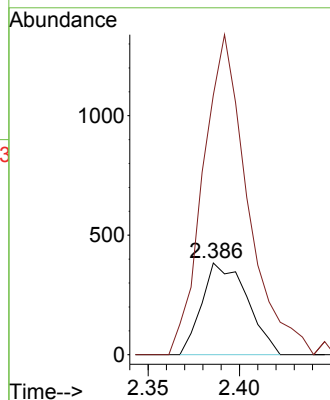
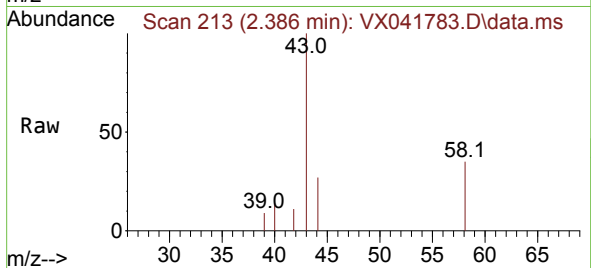
ClientSampleId :

Tgt Ion: 58 Resp: 663

Ion Ratio Lower Upper

58 100

43 249.5 274.0 411.0#



#18

Methylene Chloride

Concen: 0.284 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX041783.D

Acq: 07 Jun 2024 12:18

Tgt Ion: 84 Resp: 439

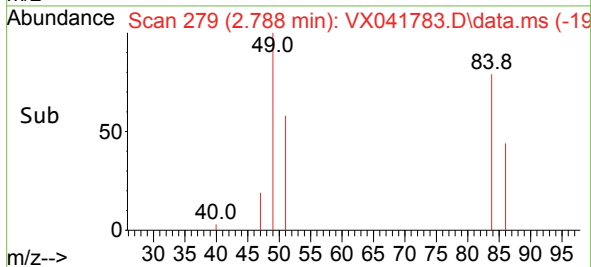
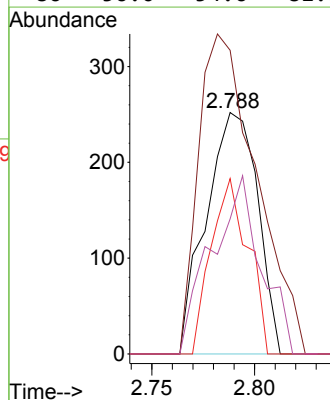
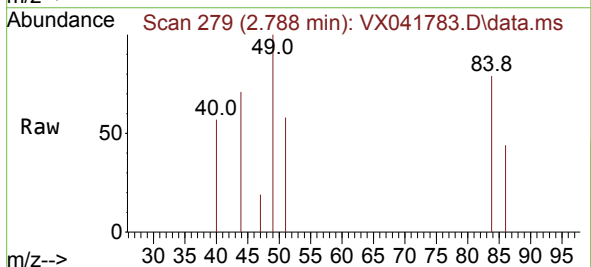
Ion Ratio Lower Upper

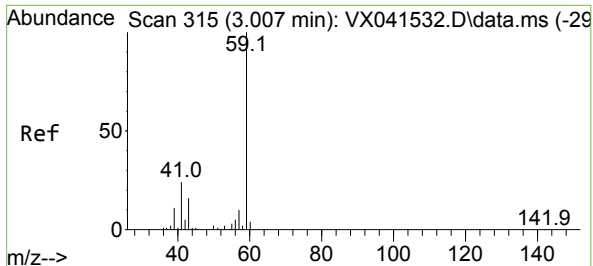
84 100

49 125.8 99.8 149.8

51 72.6 30.2 45.4#

86 56.0 54.6 81.8

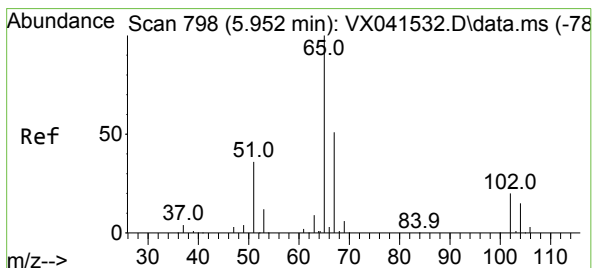
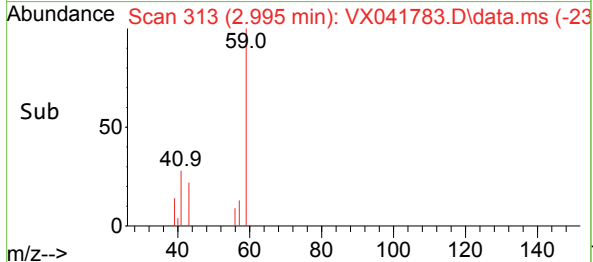
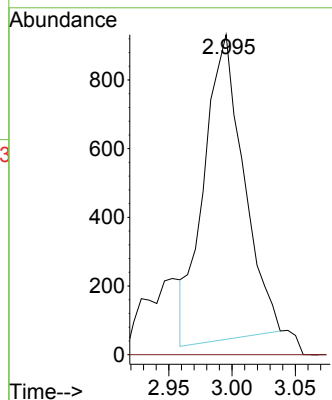
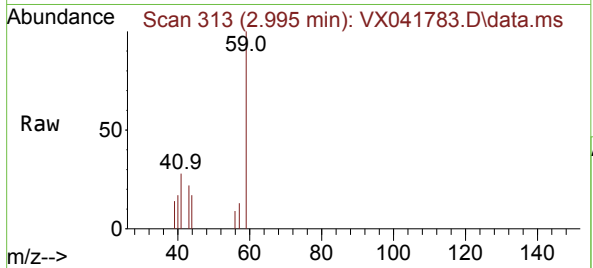




#23
tert-Butyl Alcohol
Concen: 5.299 ug/l
RT: 2.995 min Scan# 315
Delta R.T. -0.012 min
Lab File: VX041783.D
Acq: 07 Jun 2024 12:18

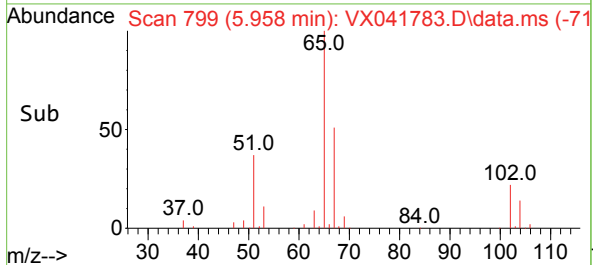
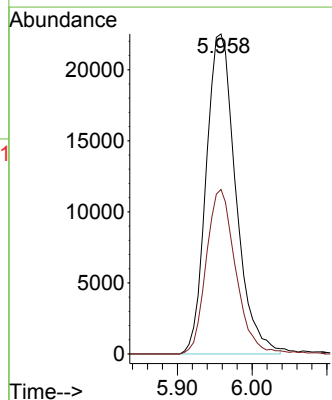
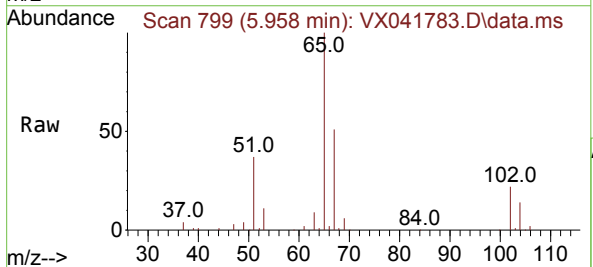
Instrument :
MSVOA_X
ClientSampleId :

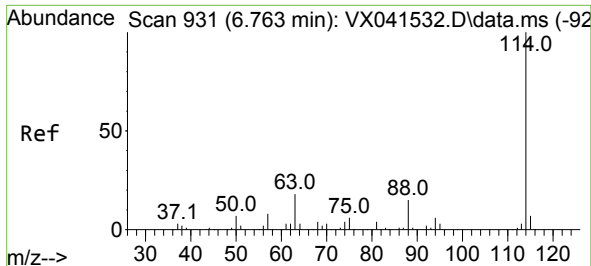
Tgt Ion: 59 Resp: 1932
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.108 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041783.D
Acq: 07 Jun 2024 12:18

Tgt Ion: 65 Resp: 62128
Ion Ratio Lower Upper
65 100
67 50.9 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041783.D

Acq: 07 Jun 2024 12:18

Instrument :

MSVOA_X

ClientSampleId :

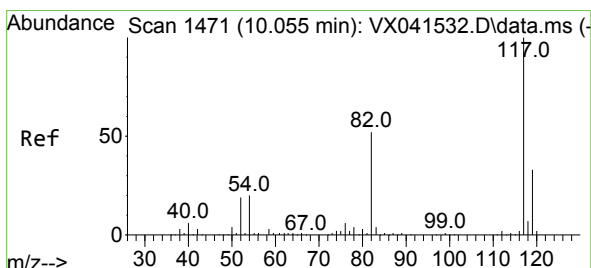
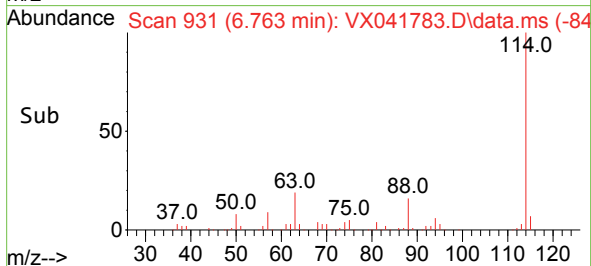
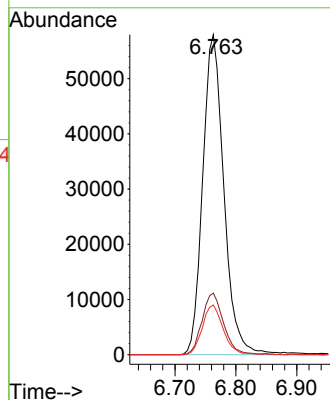
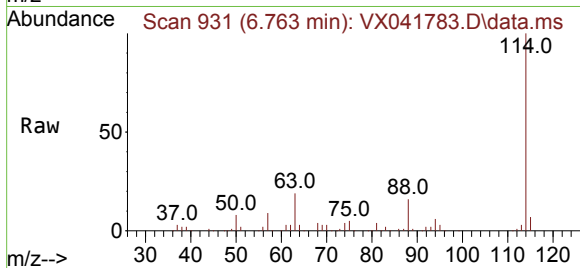
Tgt Ion:114 Resp: 139748

Ion Ratio Lower Upper

114 100

63 19.5 15.4 23.0

88 15.3 12.2 18.2



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041783.D

Acq: 07 Jun 2024 12:18

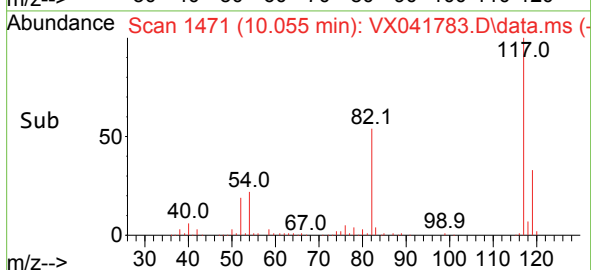
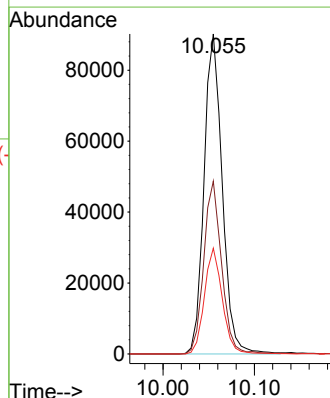
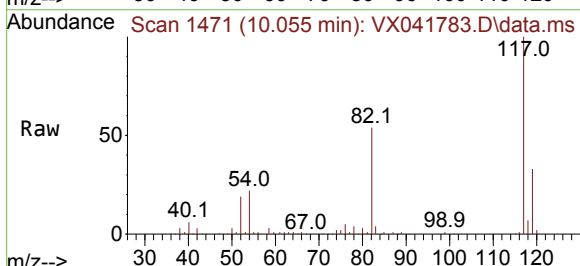
Tgt Ion:117 Resp: 125095

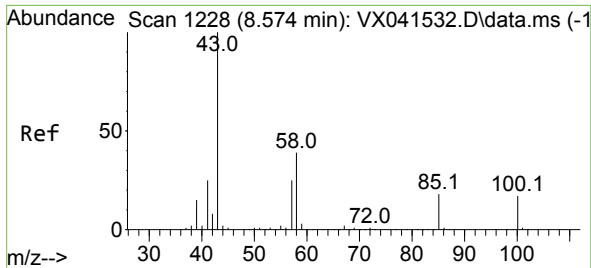
Ion Ratio Lower Upper

117 100

82 53.0 41.7 62.5

119 32.5 25.7 38.5

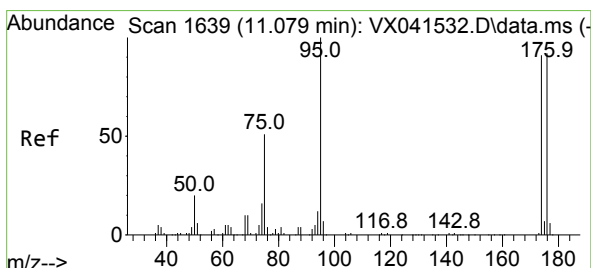
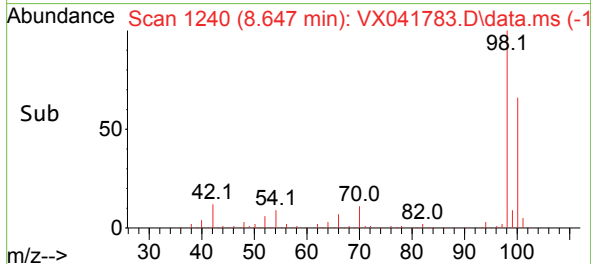
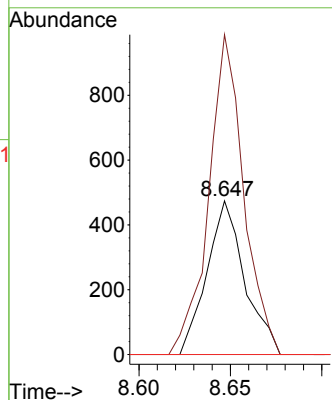
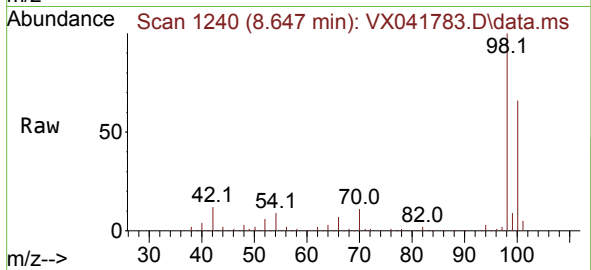




#58
 4-Methyl-2-Pentanone
 Concen: 0.299 ug/l
 RT: 8.647 min Scan# 11
 Delta R.T. 0.073 min
 Lab File: VX041783.D
 Acq: 07 Jun 2024 12:18

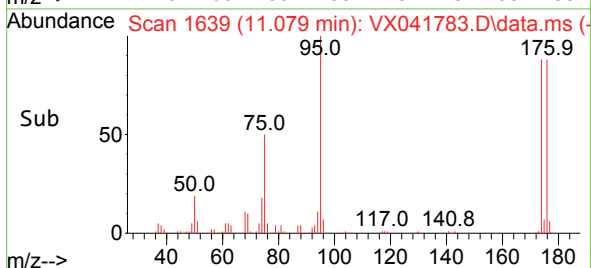
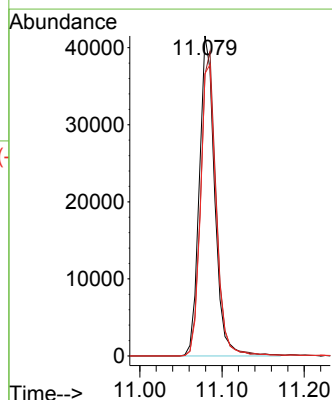
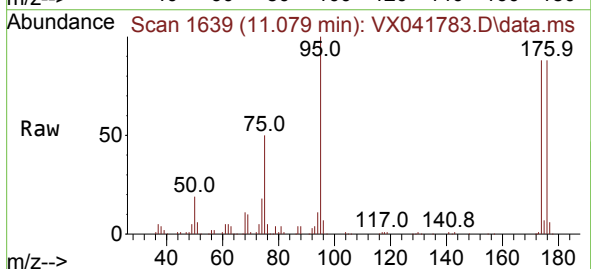
Instrument :
 MSVOA_X
 ClientSampleId :

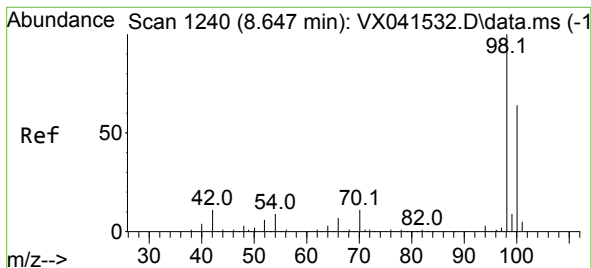
Tgt Ion: 43 Resp: 683
 Ion Ratio Lower Upper
 43 100
 58 192.8 30.2 45.4#
 85 0.0 14.6 21.8#



#60
 4-Bromofluorobenzene
 Concen: 27.728 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX041783.D
 Acq: 07 Jun 2024 12:18

Tgt Ion: 95 Resp: 54147
 Ion Ratio Lower Upper
 95 100
 174 96.0 76.6 115.0
 176 92.2 75.4 113.0





#63

Toluene-d8

Concen: 29.561 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX041783.D

Acq: 07 Jun 2024 12:18

Instrument :

MSVOA_X

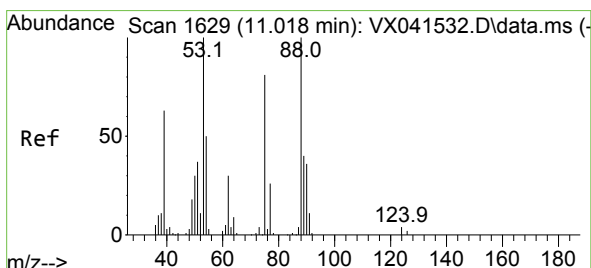
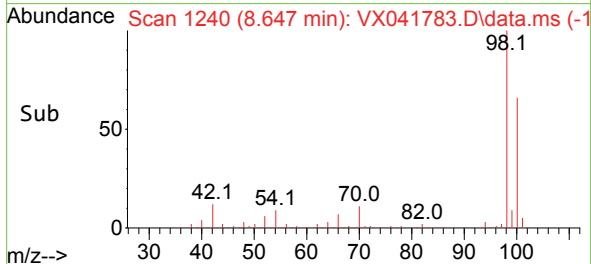
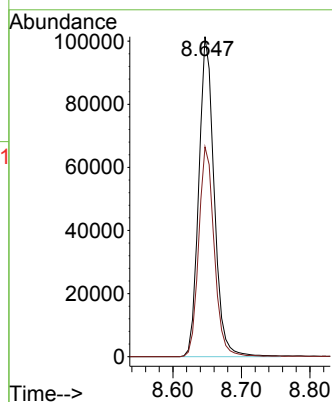
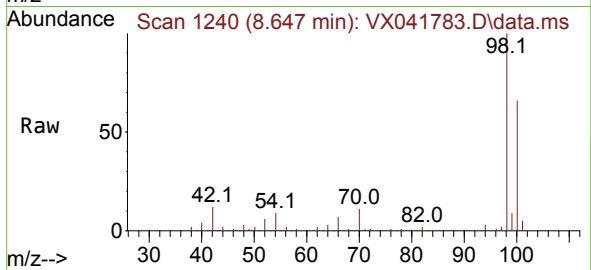
ClientSampleId :

Tgt Ion: 98 Resp: 158517

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#77

t-1,4-Dichloro-2-butene

Concen: 41.371 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX041783.D

Acq: 07 Jun 2024 12:18

Tgt Ion: 75 Resp: 27695

Ion Ratio Lower Upper

75 100

53 0.0 61.8 185.3#

89 0.0 24.9 74.7#

