

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041957.D
 Acq On : 20 Jun 2024 11:51
 Operator : JC/MD
 Sample : P2981-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 03:15:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

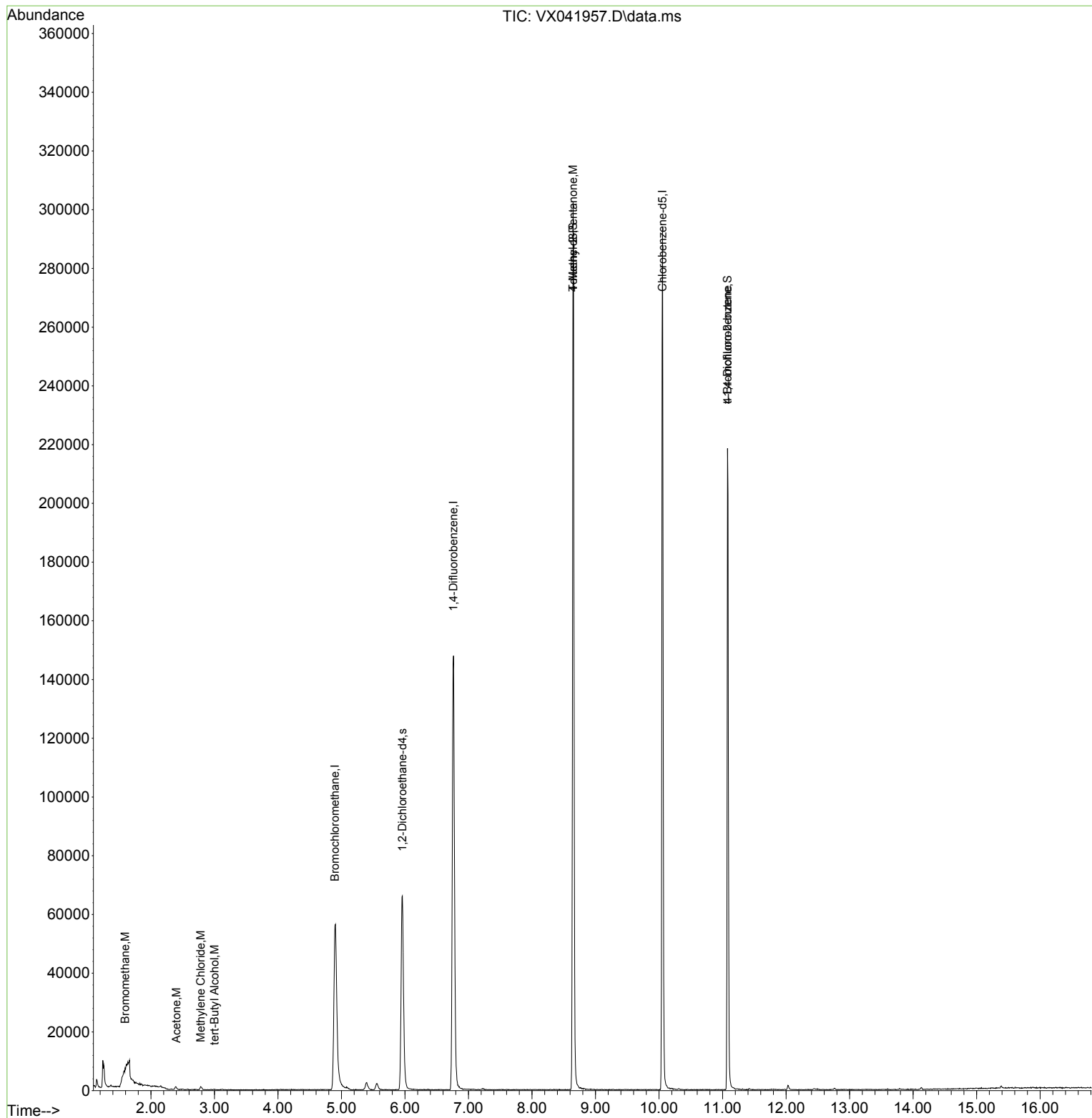
Internal Standards						
1) Bromochloromethane	4.897	128	29753	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	166027	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	146663	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	64197	31.344	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.467%
60) 4-Bromofluorobenzene	11.079	95	59585	26.246	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	87.500%
63) Toluene-d8	8.647	98	189985	30.278	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.933%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	351	0.312	ug/l #	24
15) Acetone	2.398	58	420	1.334	ug/l #	48
18) Methylene Chloride	2.782	84	686	0.329	ug/l	98
23) tert-Butyl Alcohol	3.001	59	82	0.200	ug/l #	100
58) 4-Methyl-2-Pentanone	8.647	43	744	0.283	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26680	31.447	ug/l #	7

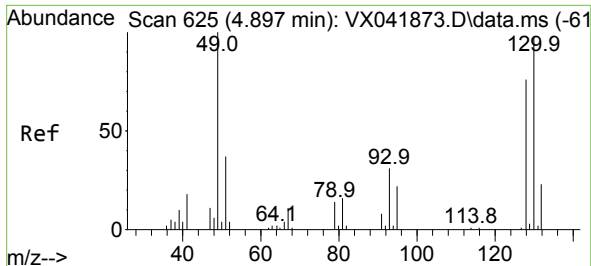
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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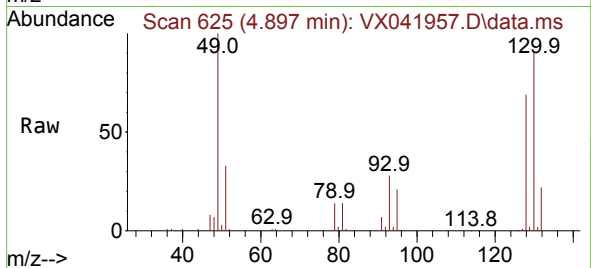
Quant Time: Jun 21 03:15:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



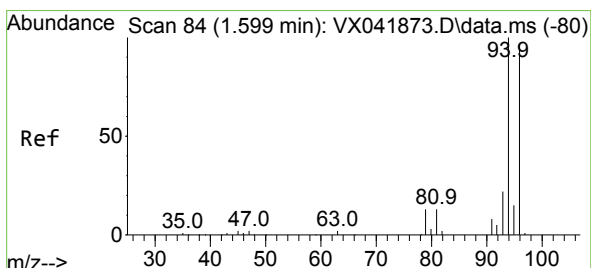
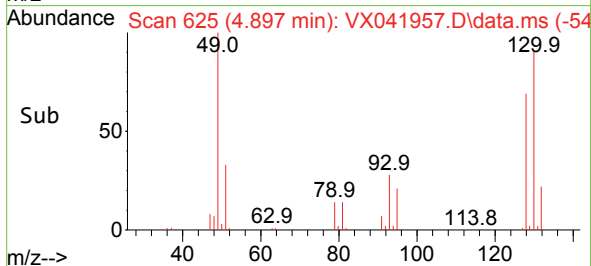
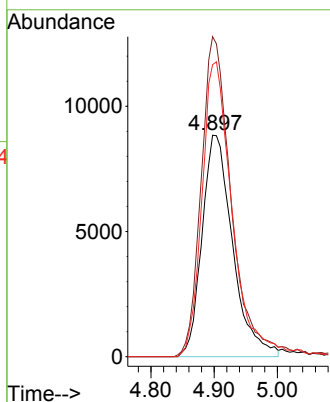


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041957.D
Acq: 20 Jun 2024 11:51

Instrument :
MSVOA_X
ClientSampleId :

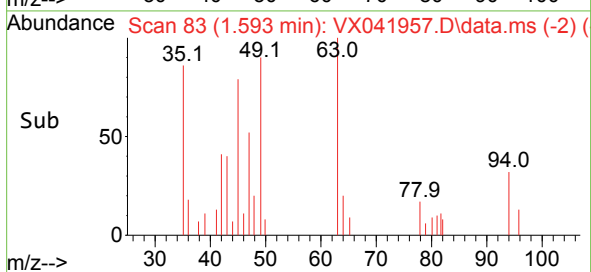
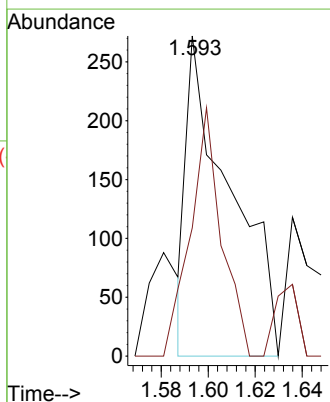
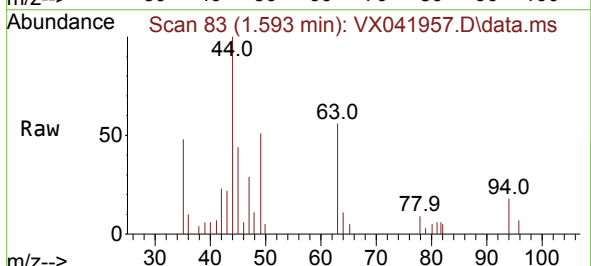


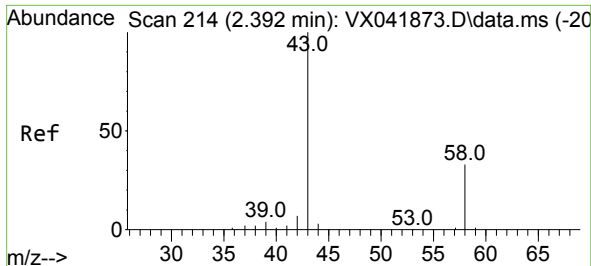
Tgt Ion:128 Resp: 29753
Ion Ratio Lower Upper
128 100
49 140.9 0.0 338.5
130 131.6 0.0 324.5



#5
Bromomethane
Concen: 0.312 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041957.D
Acq: 20 Jun 2024 11:51

Tgt Ion: 94 Resp: 351
Ion Ratio Lower Upper
94 100
96 21.3 76.6 115.0#





#15

Acetone

Concen: 1.334 ug/l

RT: 2.398 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX041957.D

Acq: 20 Jun 2024 11:51

Instrument :

MSVOA_X

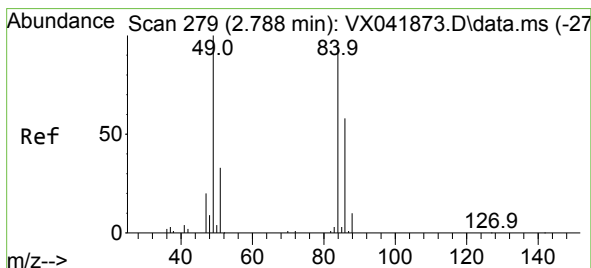
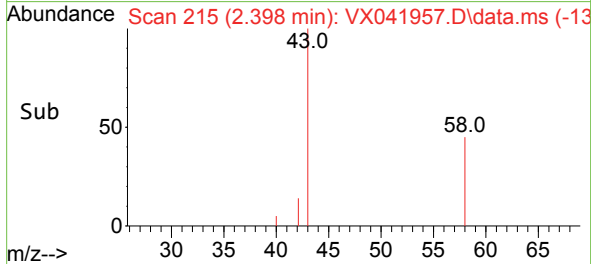
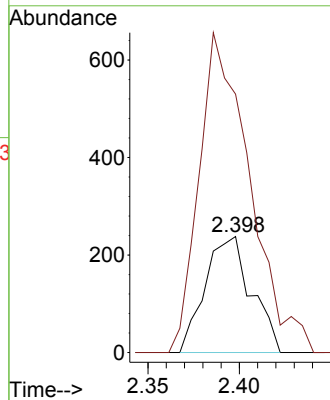
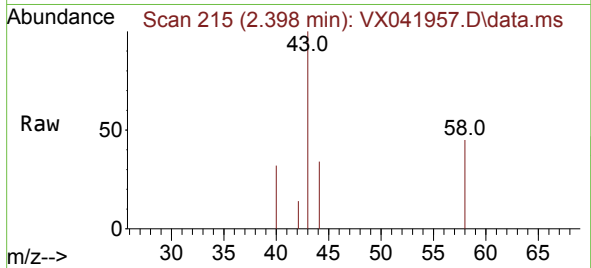
ClientSampleId :

Tgt Ion: 58 Resp: 420

Ion Ratio Lower Upper

58 100

43 201.7 243.4 365.2#



#18

Methylene Chloride

Concen: 0.329 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX041957.D

Acq: 20 Jun 2024 11:51

Tgt Ion: 84 Resp: 686

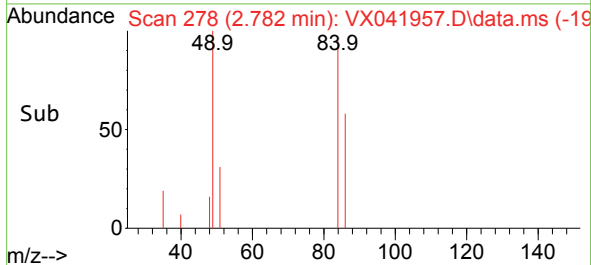
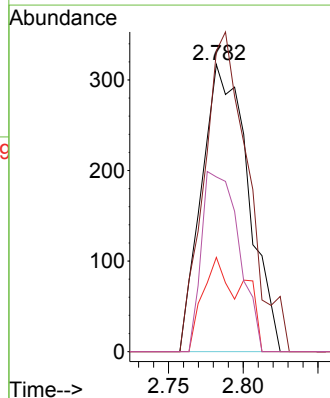
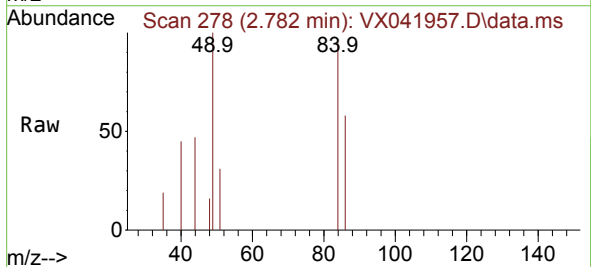
Ion Ratio Lower Upper

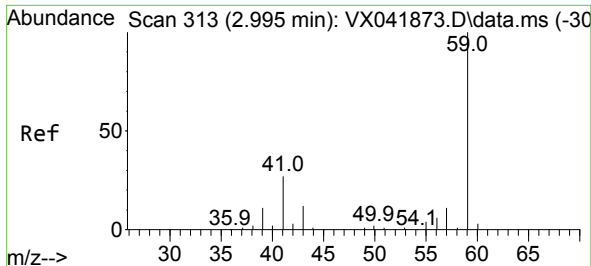
84 100

49 104.7 85.3 127.9

51 32.8 28.5 42.7

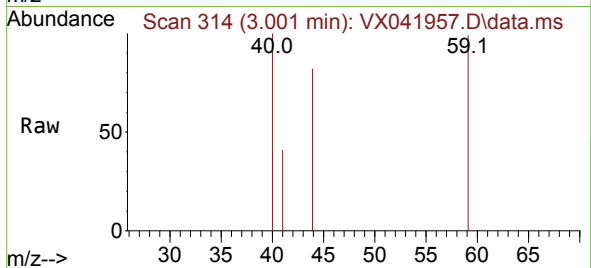
86 60.9 49.6 74.4



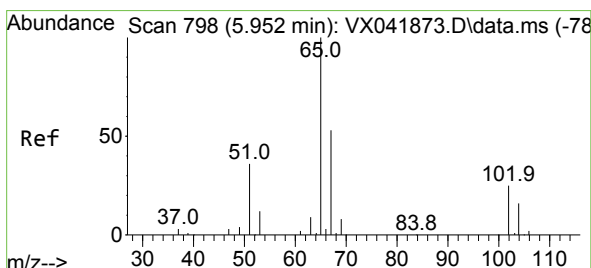
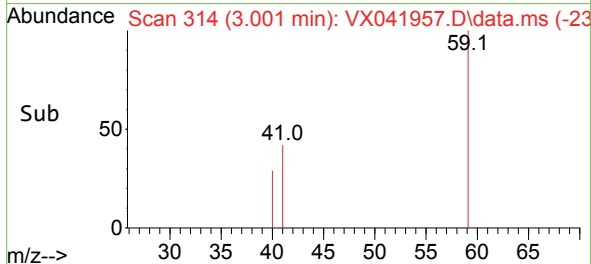
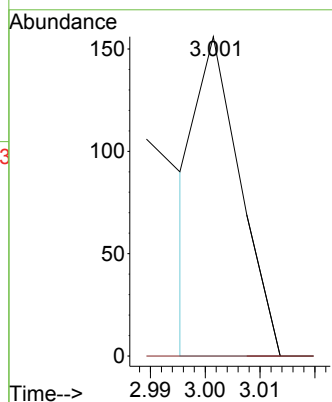


#23
tert-Butyl Alcohol
Concen: 0.200 ug/l
RT: 3.001 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX041957.D
Acq: 20 Jun 2024 11:51

Instrument :
MSVOA_X
ClientSampleId :

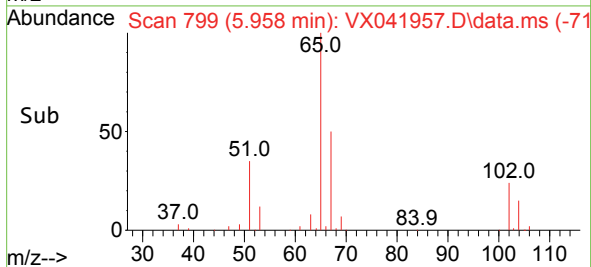
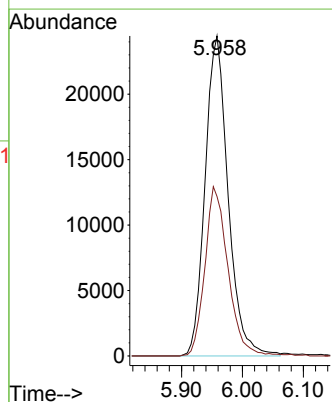
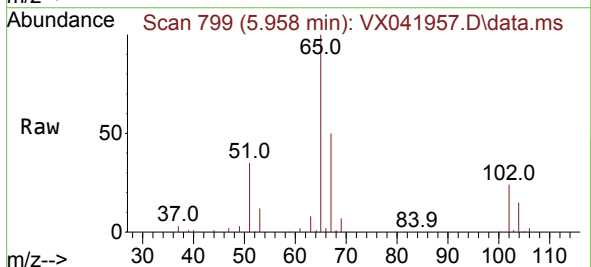


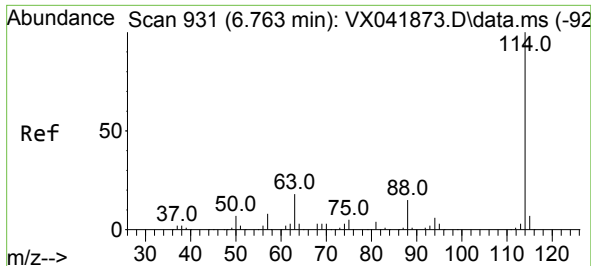
Tgt Ion: 59 Resp: 82
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 31.344 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041957.D
Acq: 20 Jun 2024 11:51

Tgt Ion: 65 Resp: 64197
Ion Ratio Lower Upper
65 100
67 52.7 43.4 65.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041957.D

Acq: 20 Jun 2024 11:51

Instrument :

MSVOA_X

ClientSampleId :

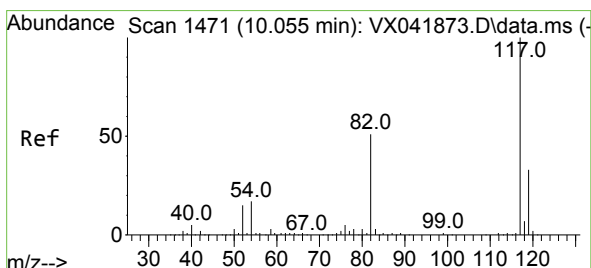
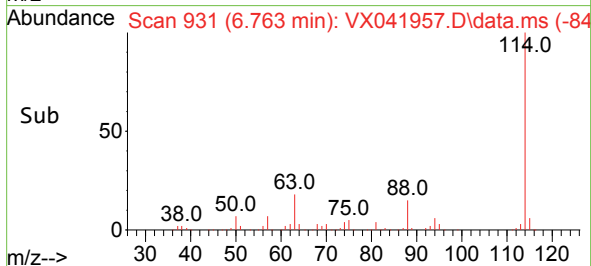
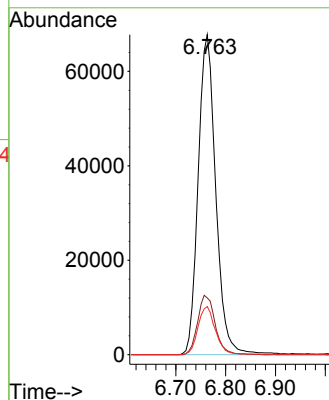
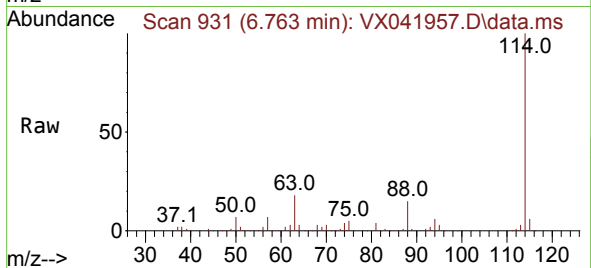
Tgt Ion:114 Resp: 166027

Ion Ratio Lower Upper

114 100

63 18.4 14.6 21.8

88 14.8 11.8 17.8



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041957.D

Acq: 20 Jun 2024 11:51

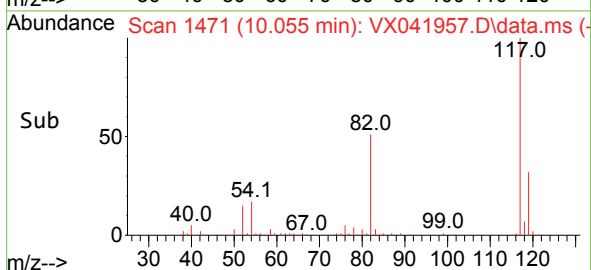
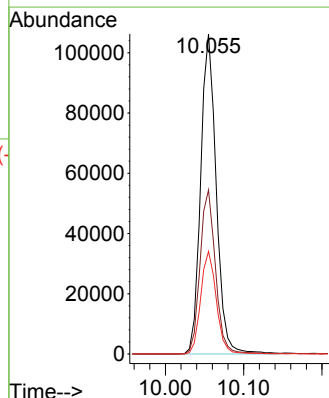
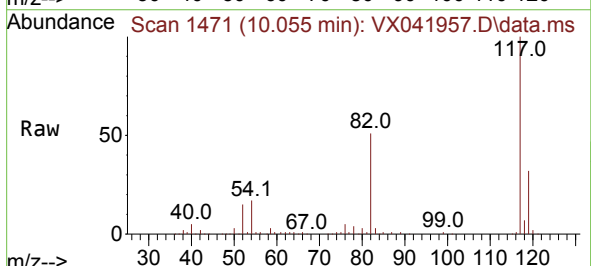
Tgt Ion:117 Resp: 146663

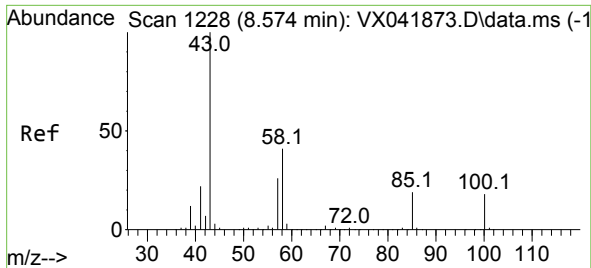
Ion Ratio Lower Upper

117 100

82 51.0 41.1 61.7

119 32.1 26.1 39.1

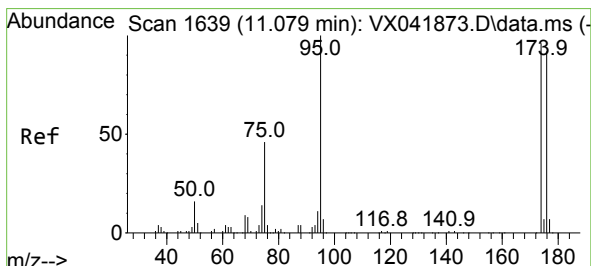
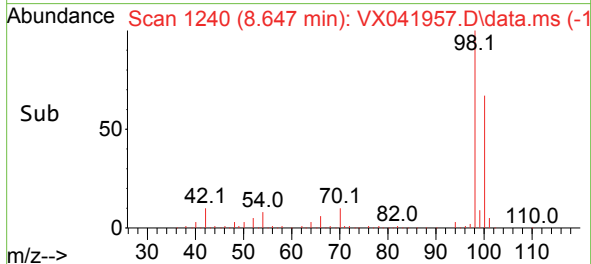
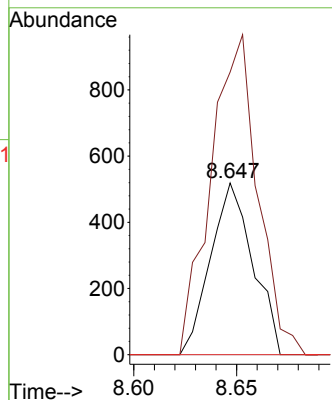
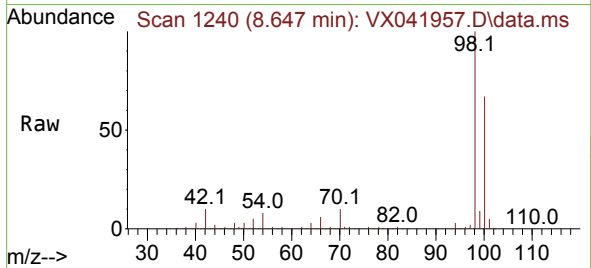




#58
4-Methyl-2-Pentanone
Concen: 0.283 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX041957.D
Acq: 20 Jun 2024 11:51

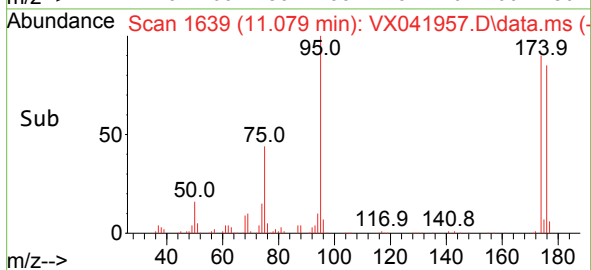
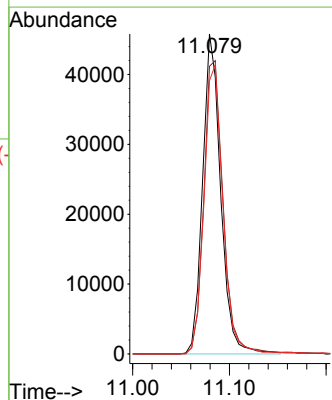
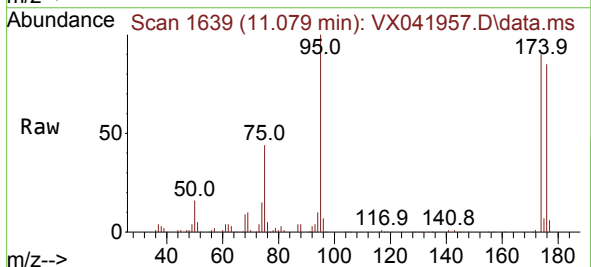
Instrument :
MSVOA_X
ClientSampleId :

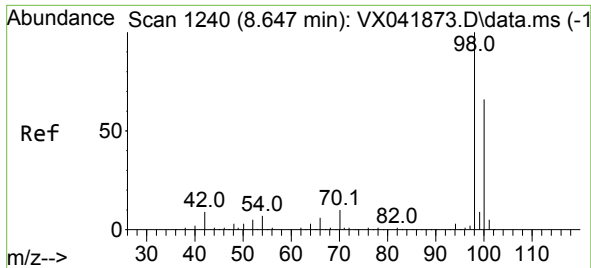
Tgt Ion:	43	Resp:	744
Ion	Ratio	Lower	Upper
43	100		
58	206.3	33.2	49.8#
85	0.0	15.5	23.3#



#60
4-Bromofluorobenzene
Concen: 26.246 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041957.D
Acq: 20 Jun 2024 11:51

Tgt Ion:	95	Resp:	59585
Ion	Ratio	Lower	Upper
95	100		
174	98.1	78.9	118.3
176	94.2	77.1	115.7

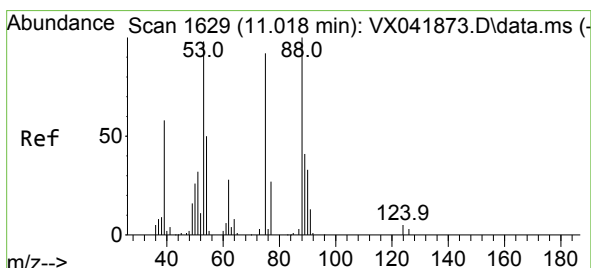
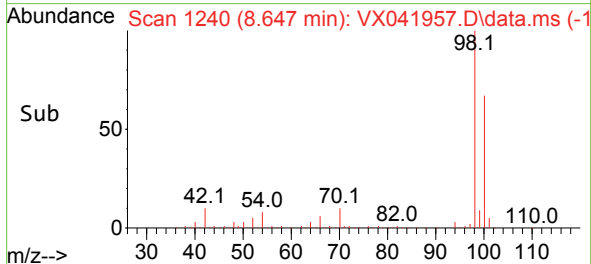
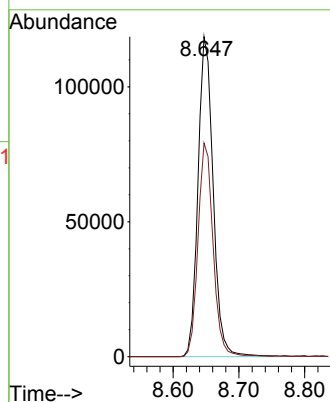
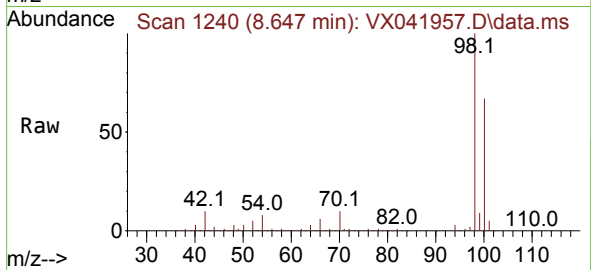




#63
Toluene-d8
Concen: 30.278 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041957.D
Acq: 20 Jun 2024 11:51

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 189985
Ion Ratio Lower Upper
98 100
100 66.6 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 31.447 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041957.D
Acq: 20 Jun 2024 11:51

Tgt Ion: 75 Resp: 26680
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

