

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042072.D
 Acq On : 27 Jun 2024 14:14
 Operator : JC/MD
 Sample : P3029-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 04:03:42 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)

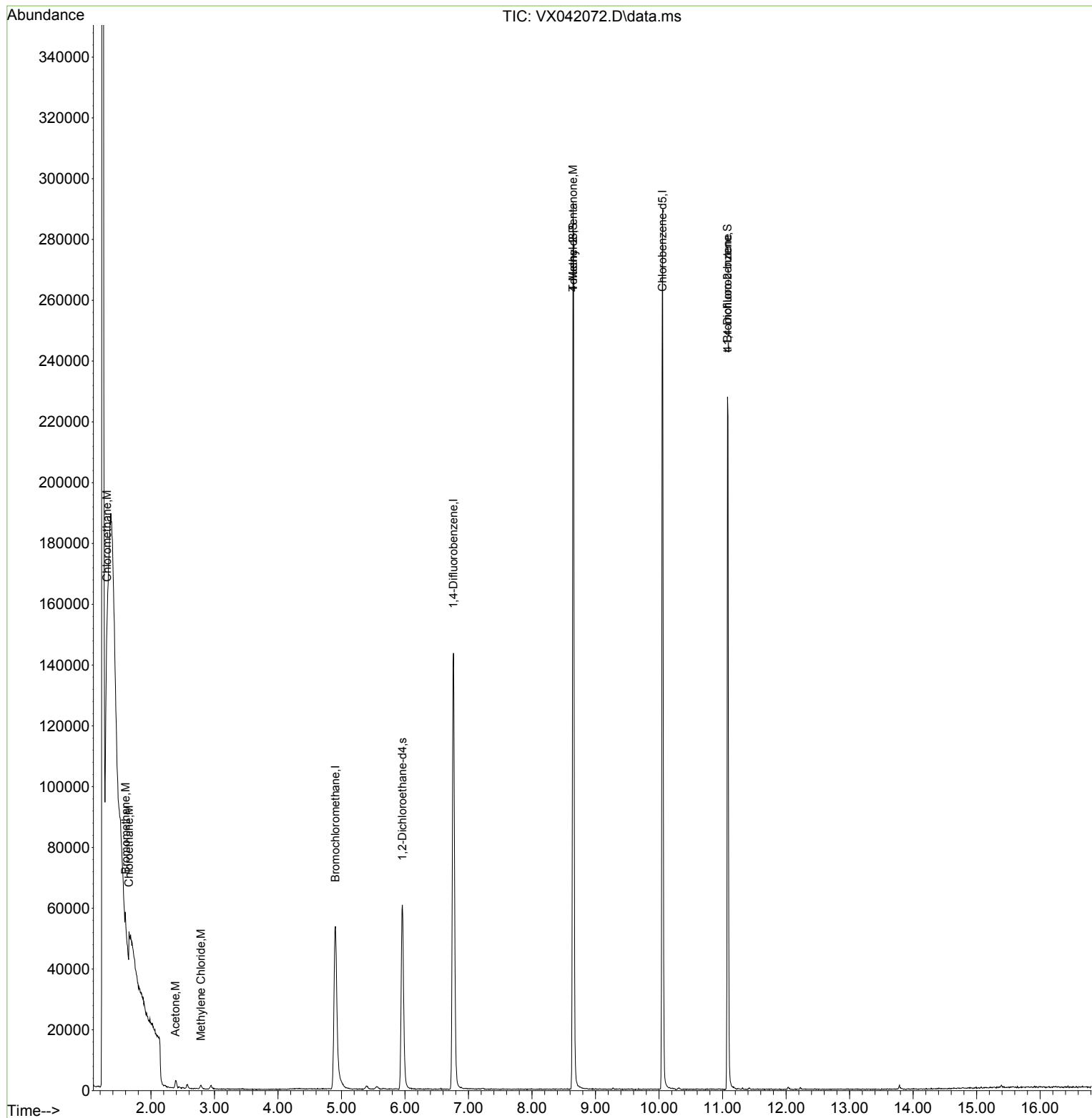
Internal Standards						
1) Bromochloromethane	4.903	128	29386	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	163684	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	145317	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	58343	28.841	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.133%
60) 4-Bromofluorobenzene	11.079	95	61387	27.290	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.967%
63) Toluene-d8	8.647	98	185724	29.873	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.567%
Target Compounds						
					Qvalue	
3) Chloromethane	1.306	50	1475	0.694	ug/l #	41
5) Bromomethane	1.599	94	374	0.336	ug/l #	70
6) Chloroethane	1.654	64	11758	13.235	ug/l #	48
15) Acetone	2.386	58	1010	3.249	ug/l	73
18) Methylene Chloride	2.788	84	658	0.319	ug/l	92
58) 4-Methyl-2-Pentanone	8.647	43	567	0.218	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	27903	33.194	ug/l #	7

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

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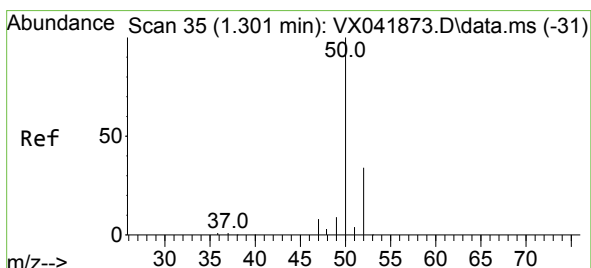
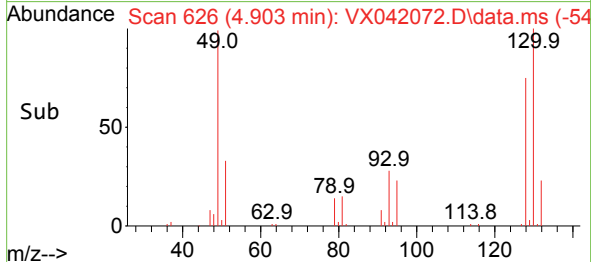
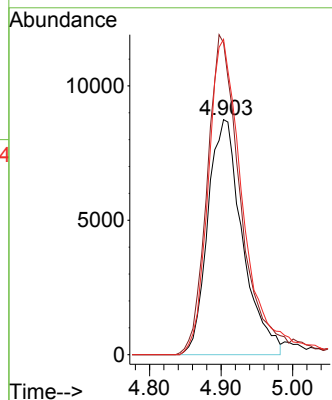
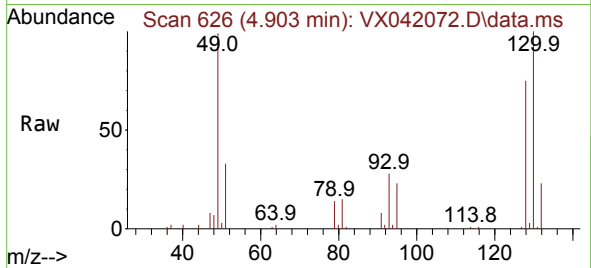




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042072.D
Acq: 27 Jun 2024 14:14

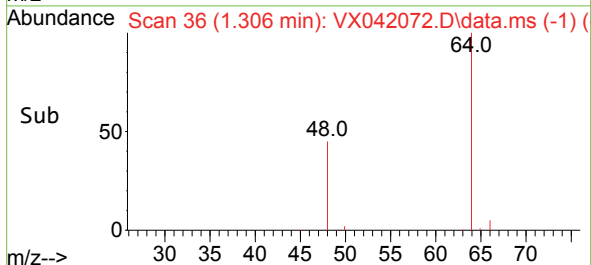
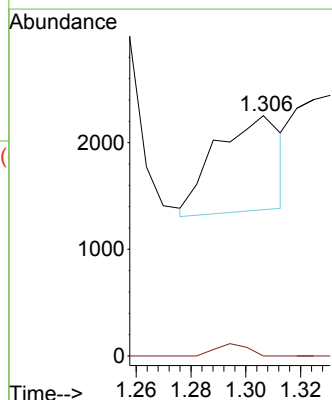
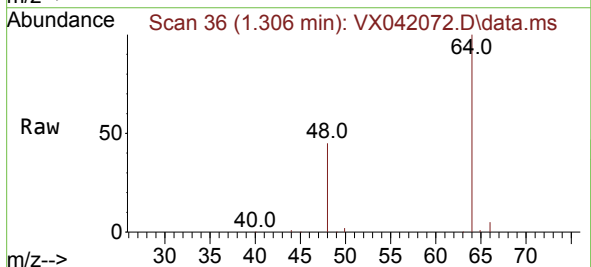
Instrument :
MSVOA_X
ClientSampleId :

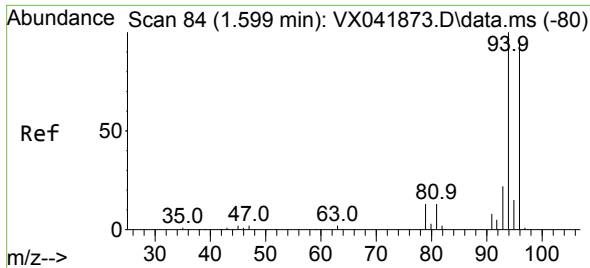
Tgt Ion:128 Resp: 29386
Ion Ratio Lower Upper
128 100
49 130.9 0.0 338.5
130 135.7 0.0 324.5



#3
Chloromethane
Concen: 0.694 ug/l
RT: 1.306 min Scan# 36
Delta R.T. 0.006 min
Lab File: VX042072.D
Acq: 27 Jun 2024 14:14

Tgt Ion: 50 Resp: 1475
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

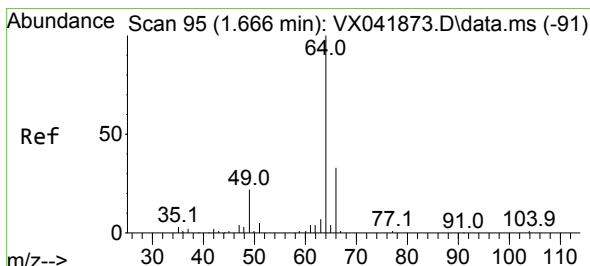
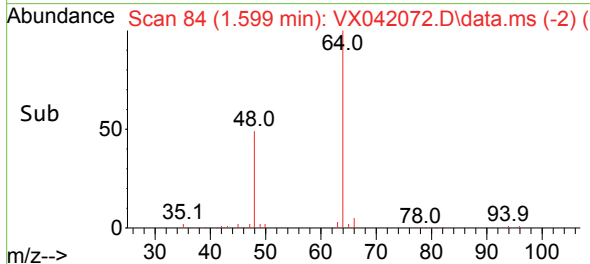
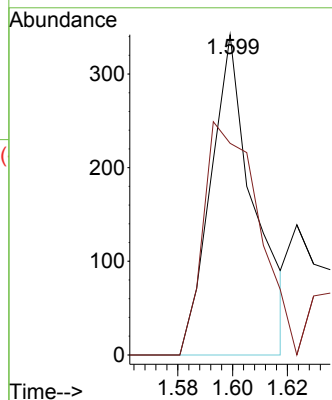
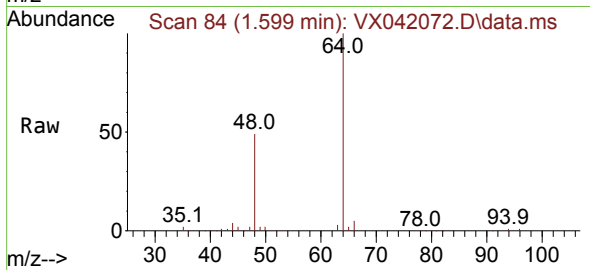




#5
Bromomethane
Concen: 0.336 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042072.D
Acq: 27 Jun 2024 14:14

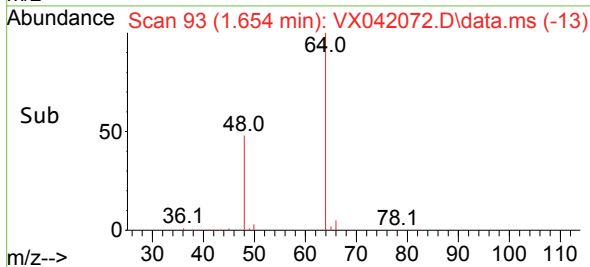
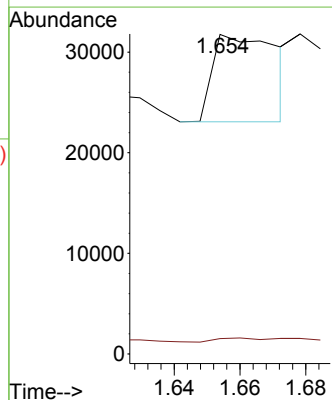
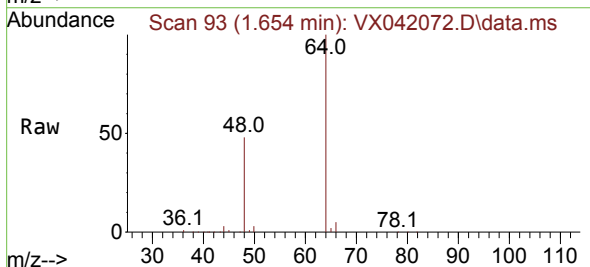
Instrument :
MSVOA_X
ClientSampleId :

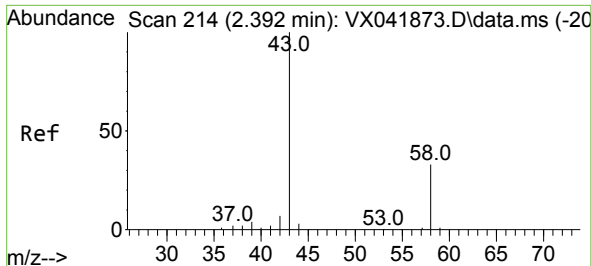
Tgt Ion: 94 Resp: 374
Ion Ratio Lower Upper
94 100
96 66.1 76.6 115.0#



#6
Chloroethane
Concen: 13.235 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX042072.D
Acq: 27 Jun 2024 14:14

Tgt Ion: 64 Resp: 11758
Ion Ratio Lower Upper
64 100
66 3.6 26.4 39.6#





#15

Acetone

Concen: 3.249 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX042072.D

Acq: 27 Jun 2024 14:14

Instrument :

MSVOA_X

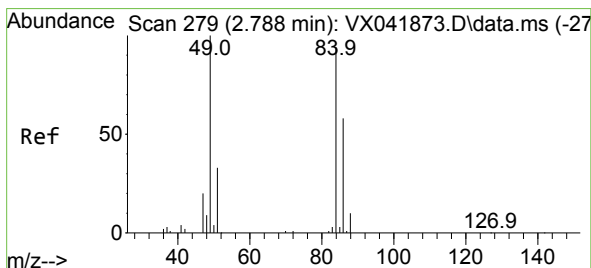
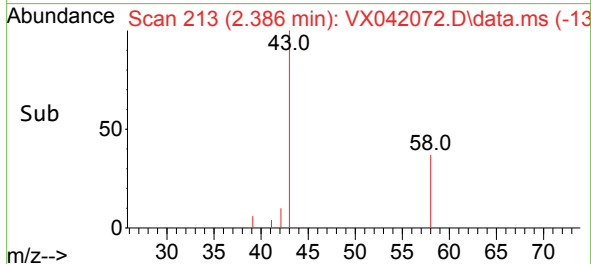
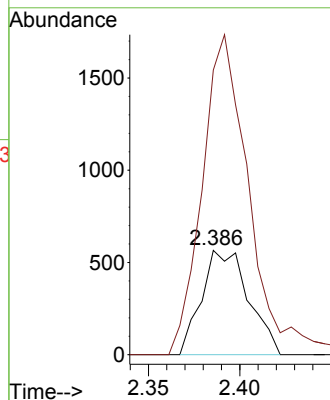
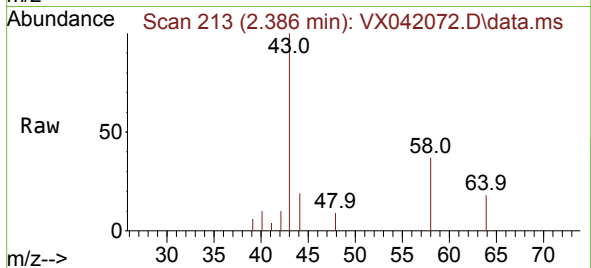
ClientSampleId :

Tgt Ion: 58 Resp: 1010

Ion Ratio Lower Upper

58 100

43 251.6 243.4 365.2



#18

Methylene Chloride

Concen: 0.319 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX042072.D

Acq: 27 Jun 2024 14:14

Tgt Ion: 84 Resp: 658

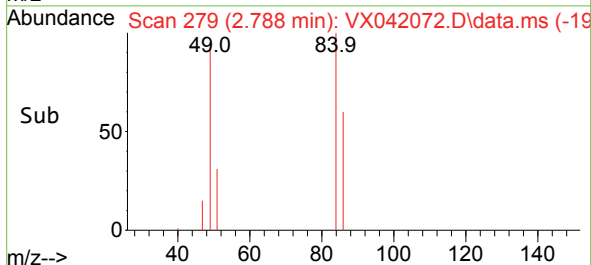
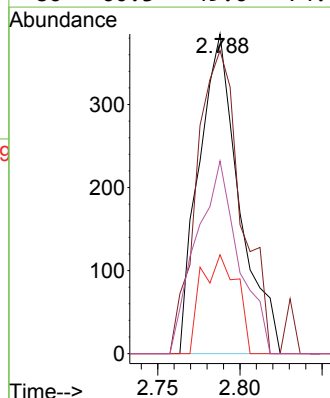
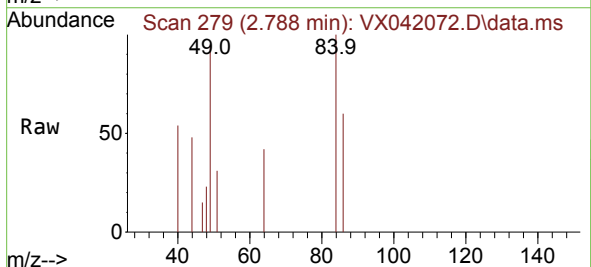
Ion Ratio Lower Upper

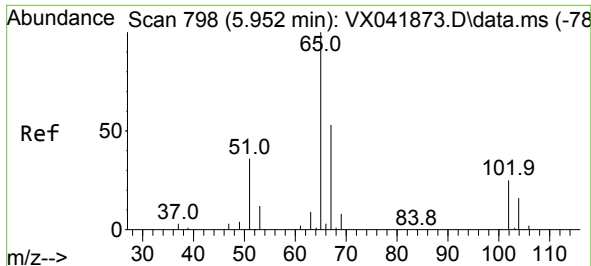
84 100

49 94.8 85.3 127.9

51 30.9 28.5 42.7

86 60.3 49.6 74.4





#27

1,2-Dichloroethane-d4

Concen: 28.841 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX042072.D

Acq: 27 Jun 2024 14:14

Instrument :

MSVOA_X

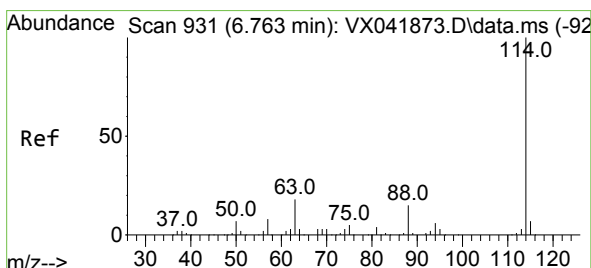
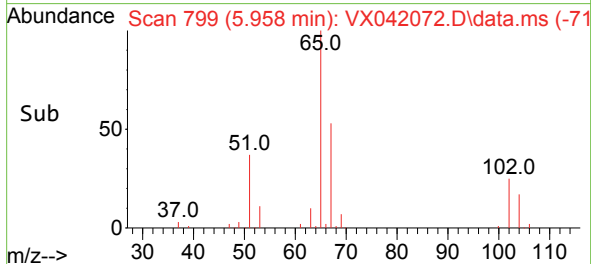
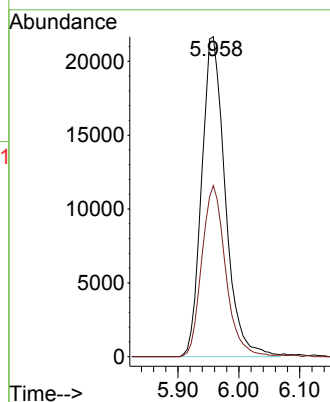
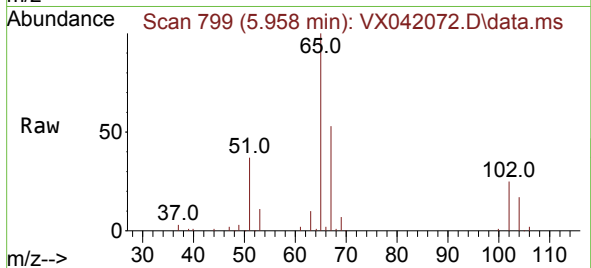
ClientSampleId :

Tgt Ion: 65 Resp: 58343

Ion Ratio Lower Upper

65 100

67 53.9 43.4 65.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX042072.D

Acq: 27 Jun 2024 14:14

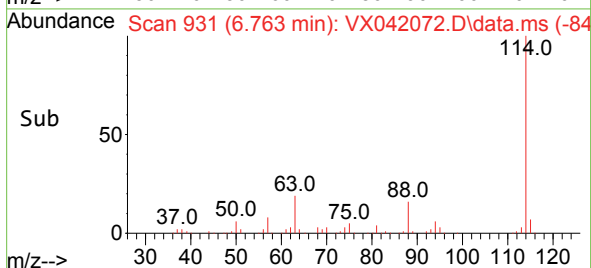
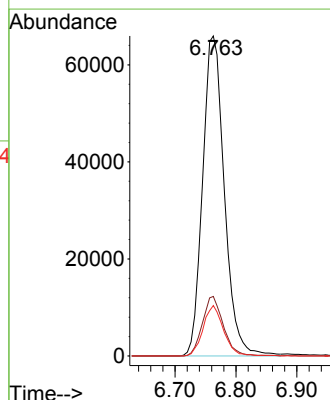
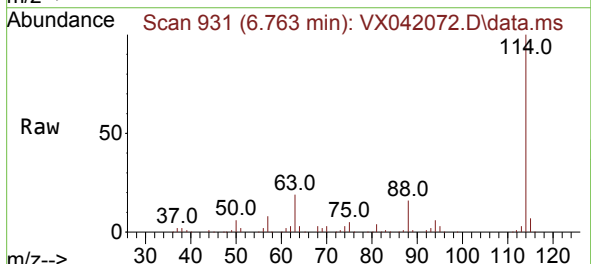
Tgt Ion: 114 Resp: 163684

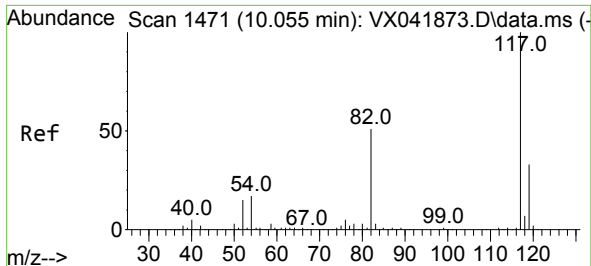
Ion Ratio Lower Upper

114 100

63 17.8 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: VX042072.D

Acq: 27 Jun 2024 14:14

Instrument :

MSVOA_X

ClientSampleId :

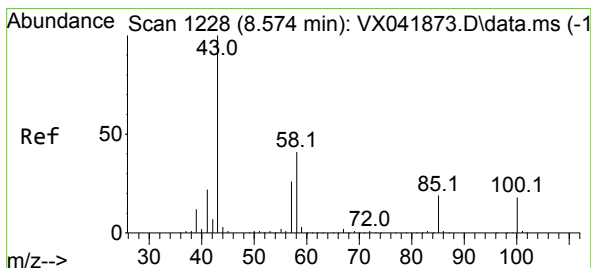
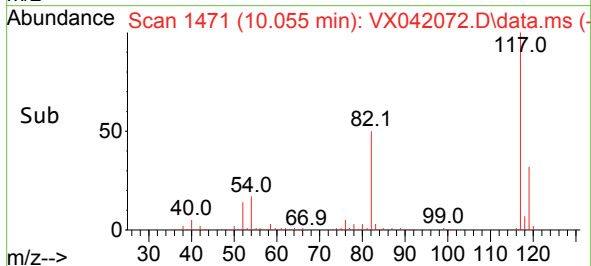
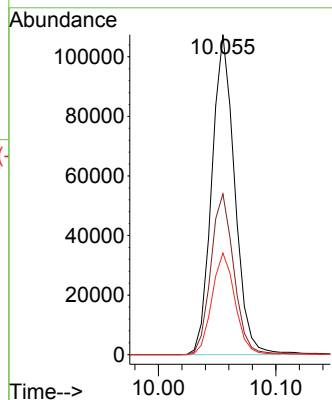
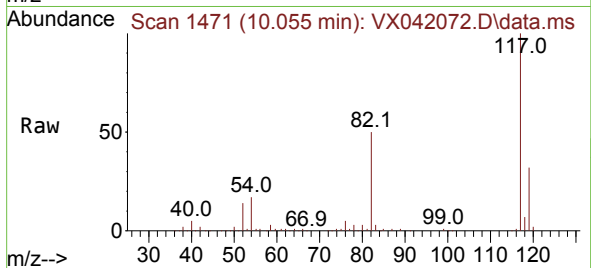
Tgt Ion:117 Resp: 145317

Ion Ratio Lower Upper

117 100

82 50.9 41.1 61.7

119 32.2 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.218 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX042072.D

Acq: 27 Jun 2024 14:14

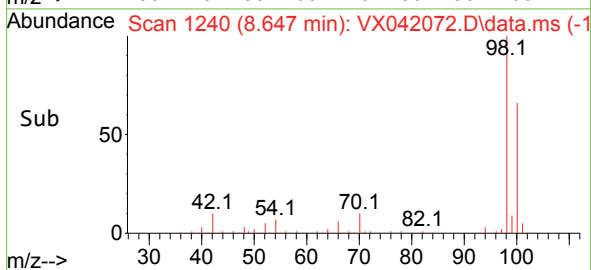
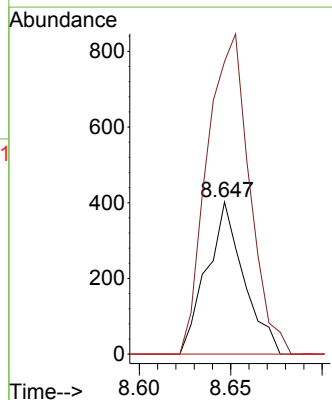
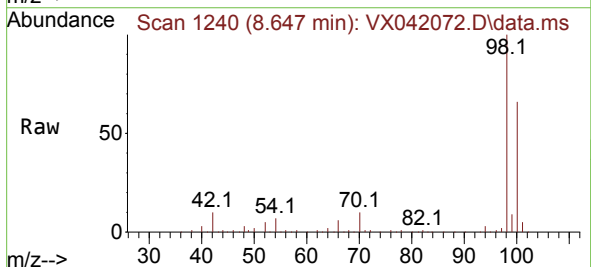
Tgt Ion: 43 Resp: 567

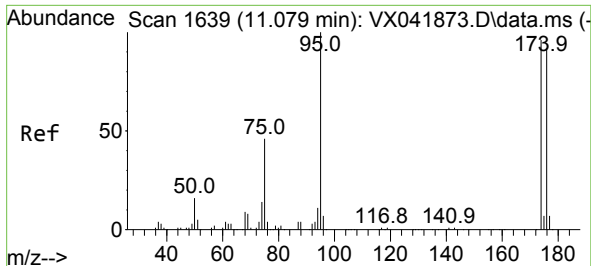
Ion Ratio Lower Upper

43 100

58 240.9 33.2 49.8#

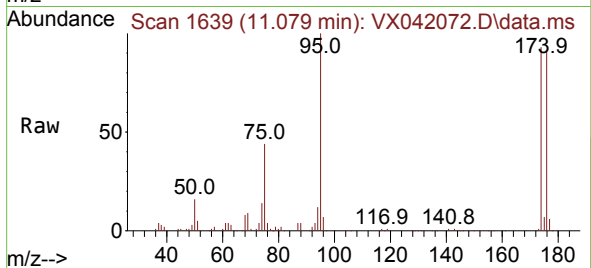
85 0.0 15.5 23.3#



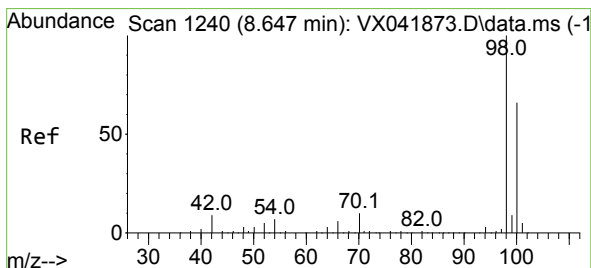
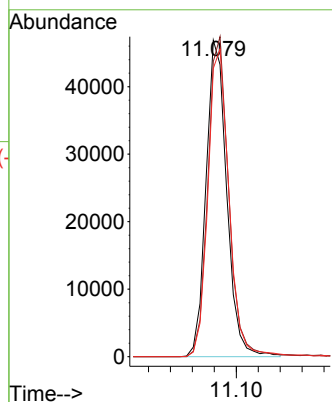


#60
4-Bromofluorobenzene
Concen: 27.290 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042072.D
Acq: 27 Jun 2024 14:14

Instrument :
MSVOA_X
ClientSampleId :

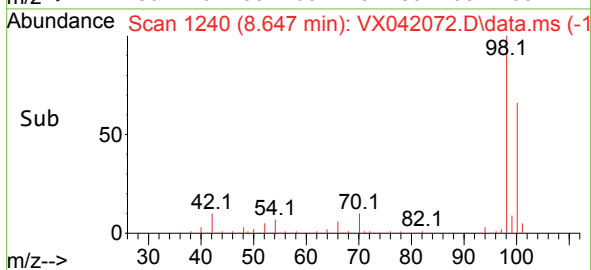
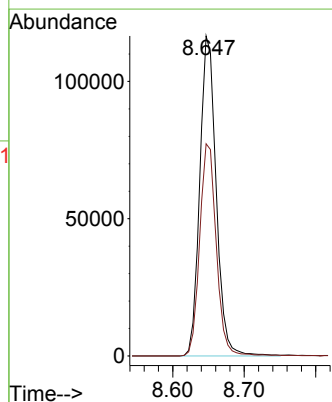
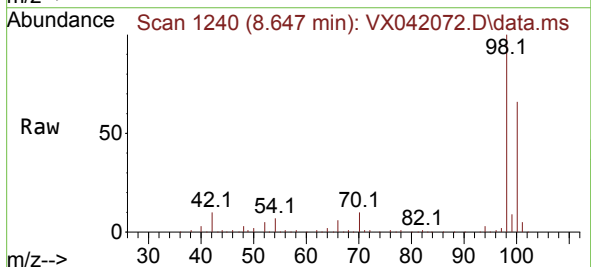


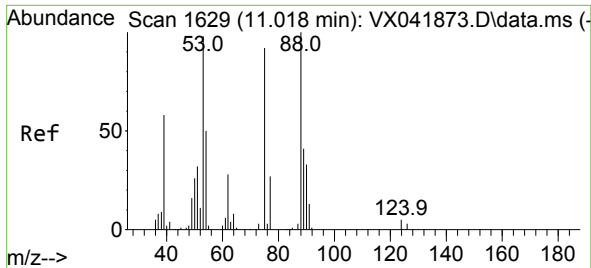
Tgt Ion: 95 Resp: 61387
Ion Ratio Lower Upper
95 100
174 101.5 78.9 118.3
176 99.2 77.1 115.7



#63
Toluene-d8
Concen: 29.873 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX042072.D
Acq: 27 Jun 2024 14:14

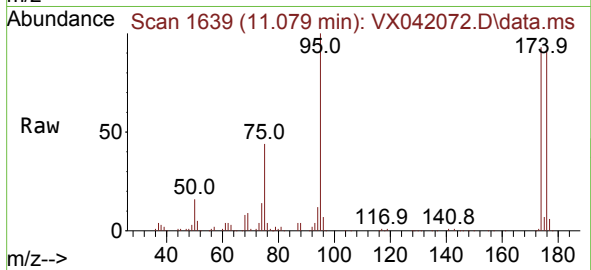
Tgt Ion: 98 Resp: 185724
Ion Ratio Lower Upper
98 100
100 66.8 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 33.194 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042072.D
 Acq: 27 Jun 2024 14:14

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 27903
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

