

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042075.D
 Acq On : 27 Jun 2024 15:25
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 04:05:03 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)

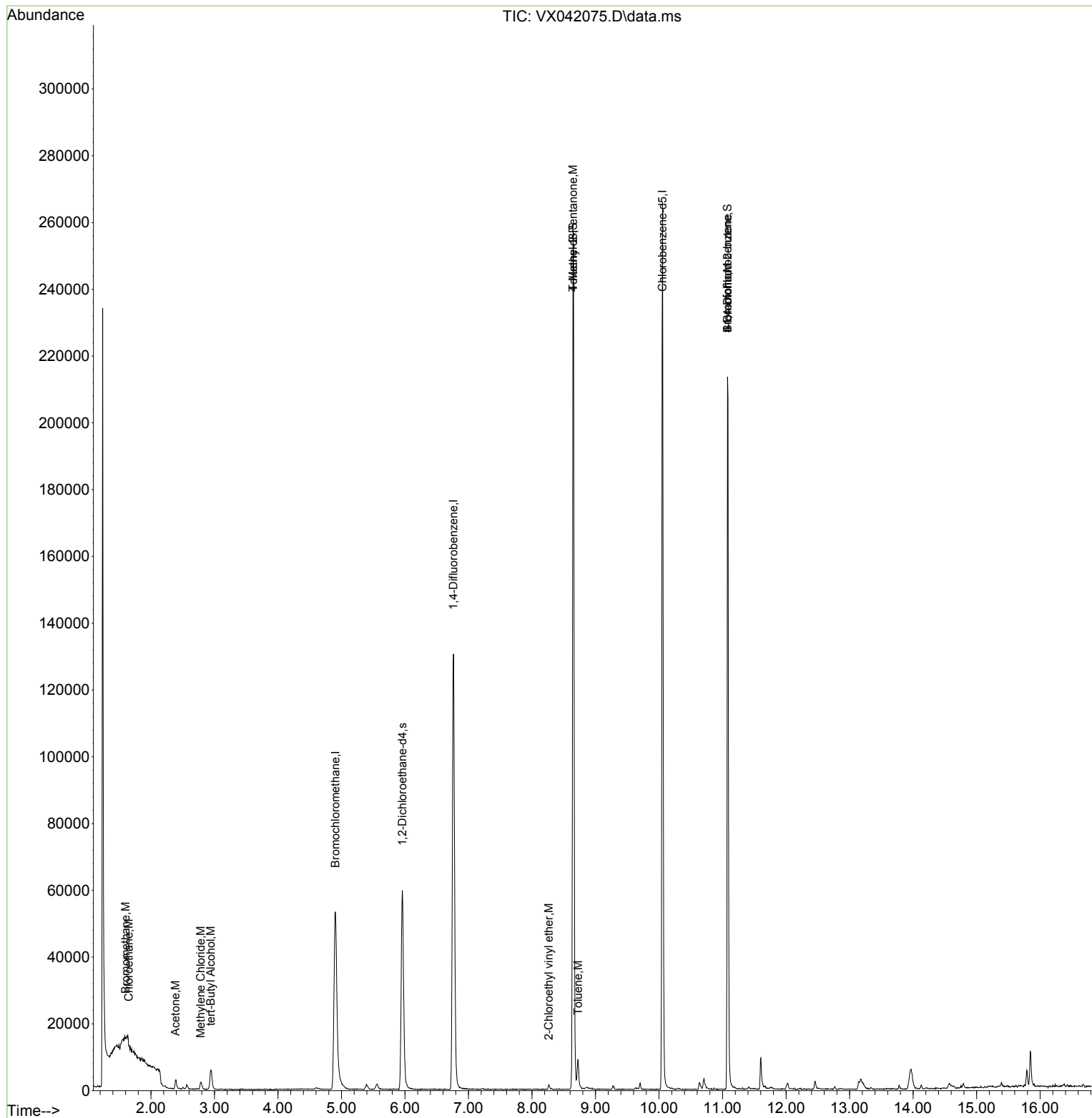
Internal Standards						
1) Bromochloromethane	4.903	128	28967	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	148898	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	133405	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	56616	28.392	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.633%
60) 4-Bromofluorobenzene	11.079	95	57555	27.872	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.900%
63) Toluene-d8	8.647	98	166989	29.258	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.533%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	222	0.203	ug/l #	39
6) Chloroethane	1.648	64	1064	1.215	ug/l #	66
15) Acetone	2.386	58	973	3.175	ug/l	69
18) Methylene Chloride	2.782	84	1252	0.617	ug/l	91
23) tert-Butyl Alcohol	2.940	59	2135	5.361	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.263	63	698	0.569	ug/l #	87
56) Bromoform	11.079	173	323	0.218	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	602	0.252	ug/l #	1
62) Toluene	8.726	91	6450	0.955	ug/l	100
77) t-1,4-Dichloro-2-butene	11.079	75	25597	33.169	ug/l #	7

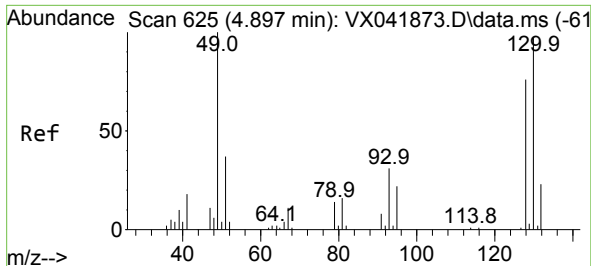
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
Data File : VX042075.D
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Sample : IBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

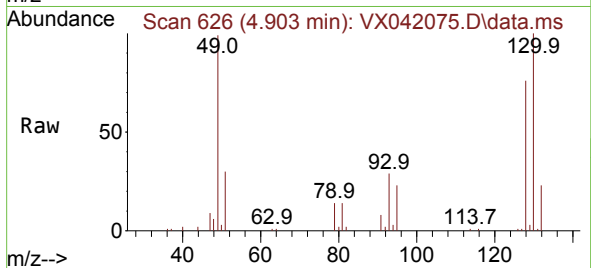
Quant Time: Jun 28 04:05:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



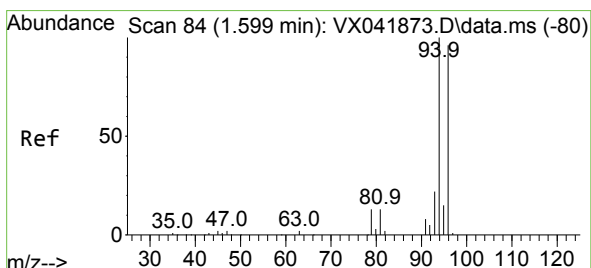
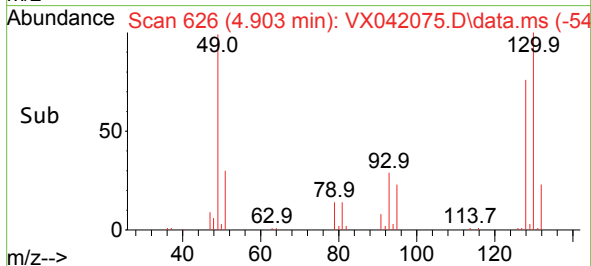
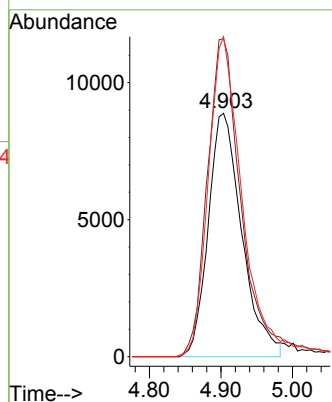


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

Instrument :
MSVOA_X
ClientSampleId :

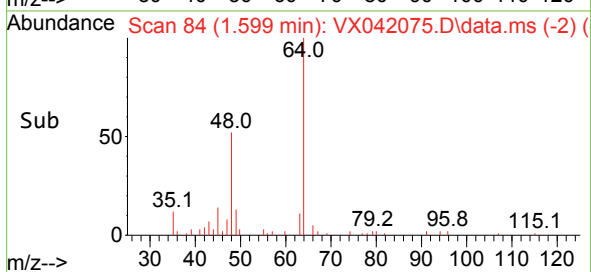
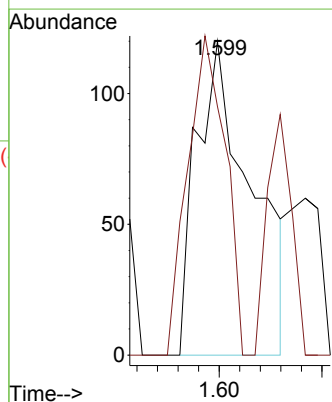
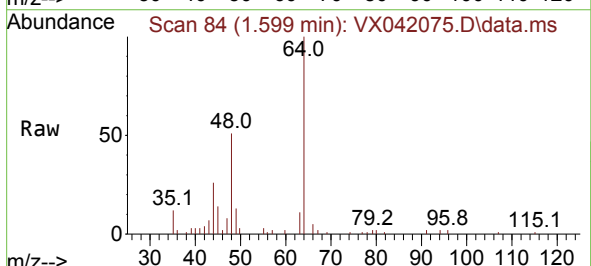


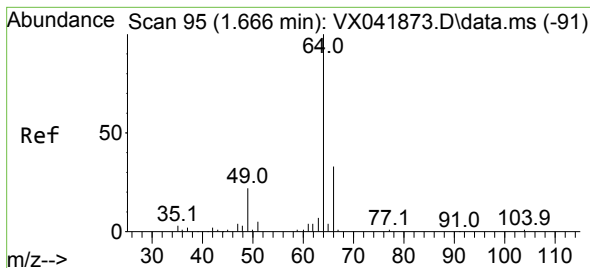
Tgt Ion:128 Resp: 28967
Ion Ratio Lower Upper
128 100
49 134.9 0.0 338.5
130 129.6 0.0 324.5



#5
Bromomethane
Concen: 0.203 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 36.7 76.6 115.0#





#6

Chloroethane

Concen: 1.215 ug/l

RT: 1.648 min Scan# 91

Delta R.T. -0.018 min

Lab File: VX042075.D

Acq: 27 Jun 2024 15:25

Instrument :

MSVOA_X

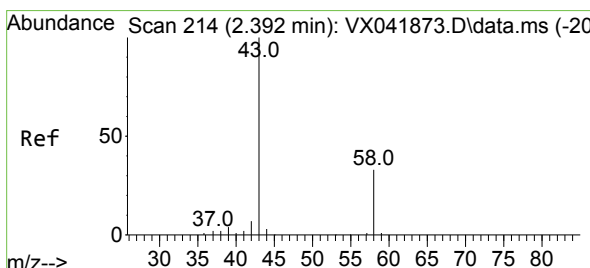
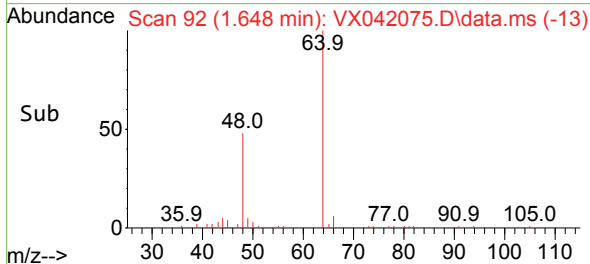
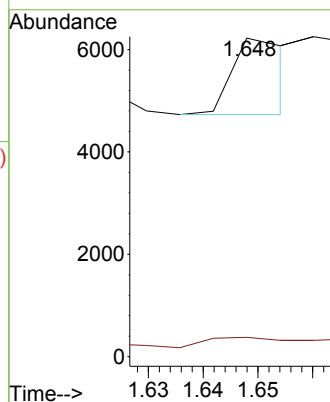
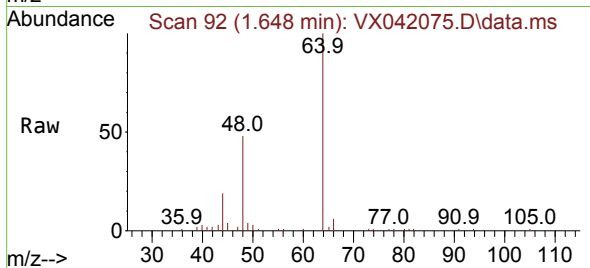
ClientSampleId :

Tgt Ion: 64 Resp: 1064

Ion Ratio Lower Upper

64 100

66 13.6 26.4 39.6#



#15

Acetone

Concen: 3.175 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX042075.D

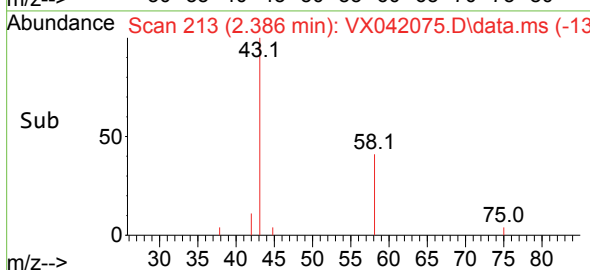
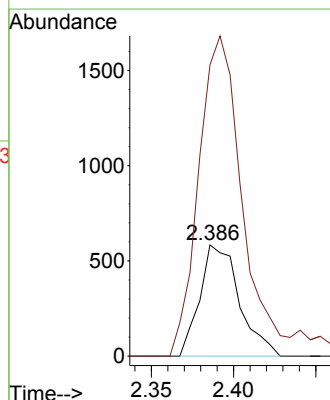
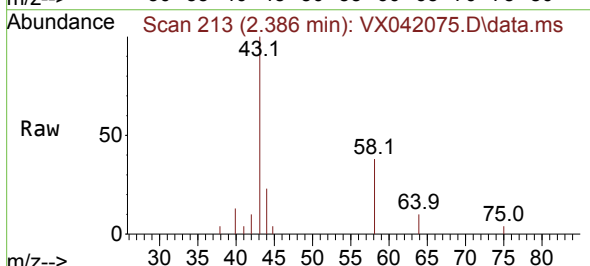
Acq: 27 Jun 2024 15:25

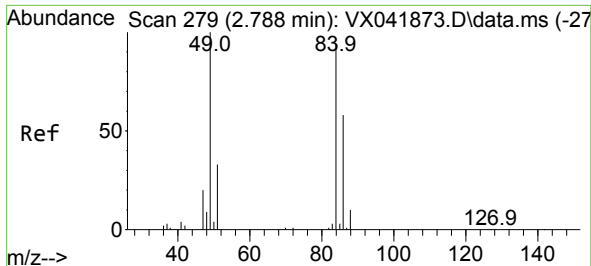
Tgt Ion: 58 Resp: 973

Ion Ratio Lower Upper

58 100

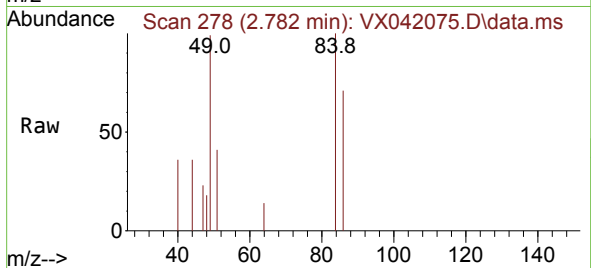
43 243.7 243.4 365.2



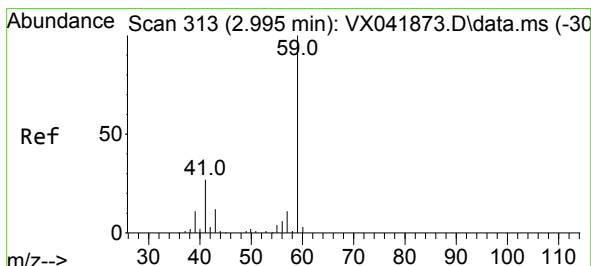
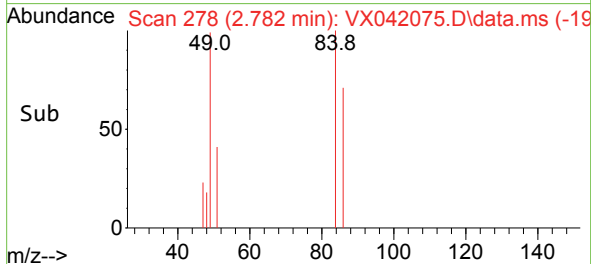
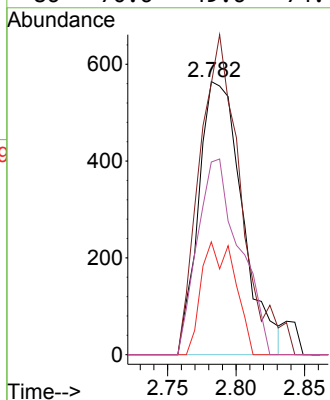


#18
Methylene Chloride
Concen: 0.617 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

Instrument :
MSVOA_X
ClientSampleId :

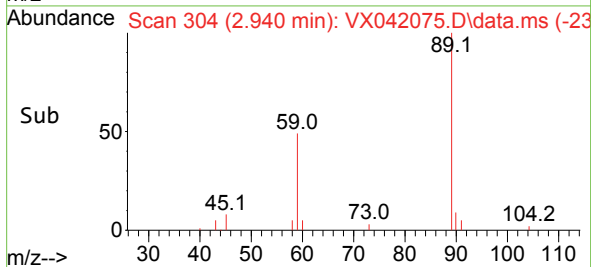
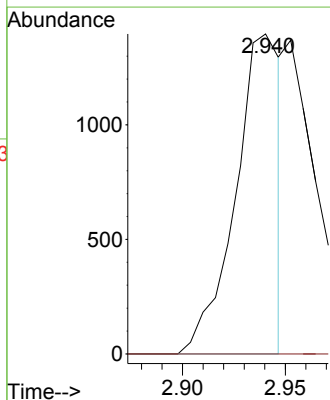
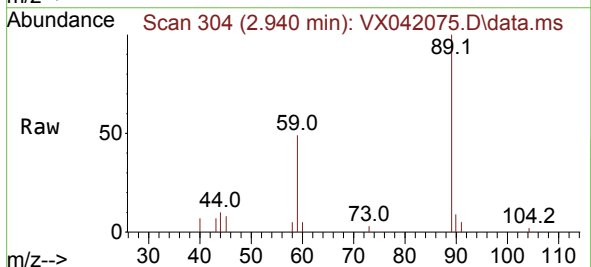


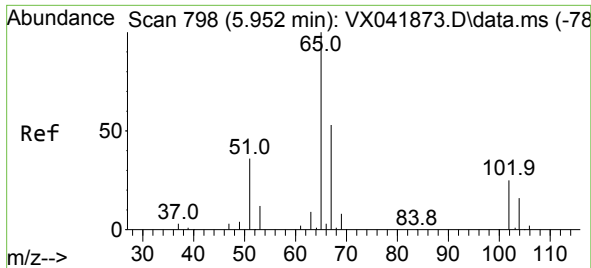
Tgt Ion:	84	Resp:	1252
Ion	Ratio	Lower	Upper
84	100		
49	99.3	85.3	127.9
51	41.3	28.5	42.7
86	70.6	49.6	74.4



#23
tert-Butyl Alcohol
Concen: 5.361 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.055 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

Tgt Ion:	59	Resp:	2135
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

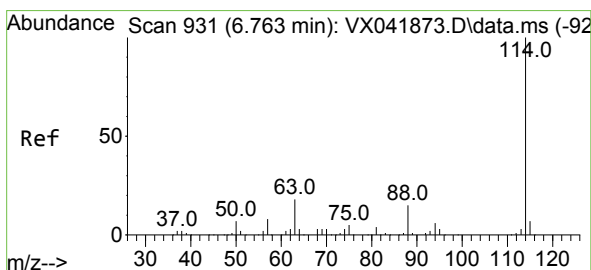
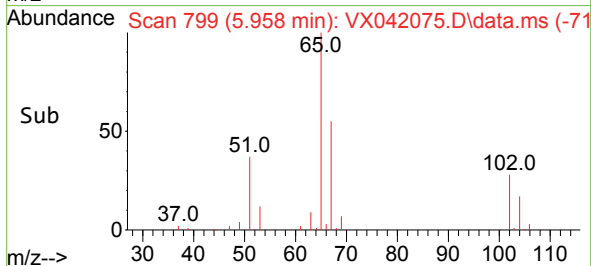
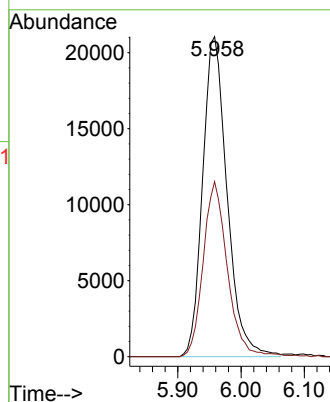
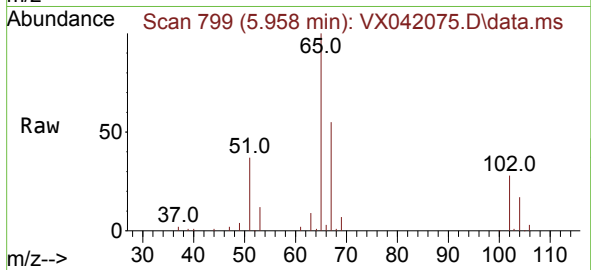




#27
 1,2-Dichloroethane-d4
 Concen: 28.392 ug/l
 RT: 5.958 min Scan# 798
 Delta R.T. 0.006 min
 Lab File: VX042075.D
 Acq: 27 Jun 2024 15:25

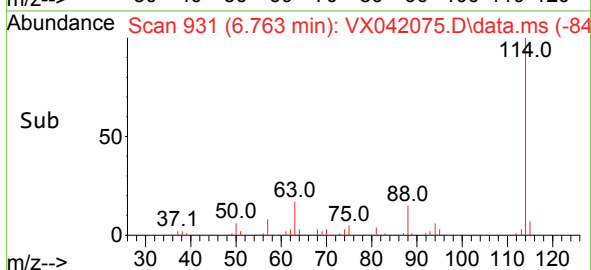
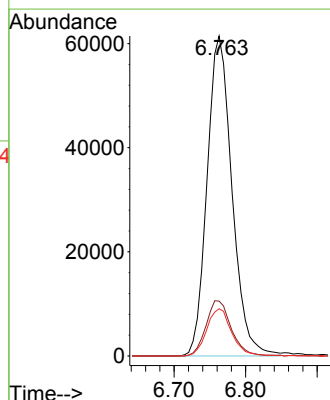
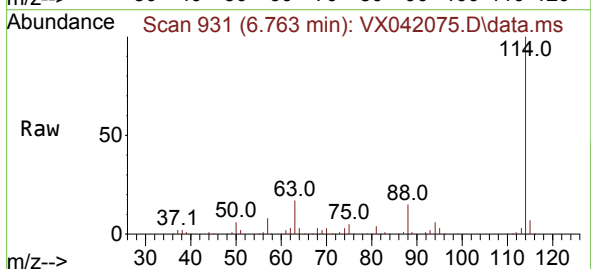
Instrument :
 MSVOA_X
 ClientSampleId :

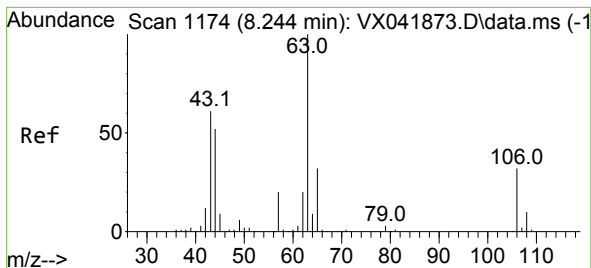
Tgt Ion: 65 Resp: 56616
 Ion Ratio Lower Upper
 65 100
 67 53.4 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX042075.D
 Acq: 27 Jun 2024 15:25

Tgt Ion: 114 Resp: 148898
 Ion Ratio Lower Upper
 114 100
 63 17.4 14.6 21.8
 88 14.7 11.8 17.8

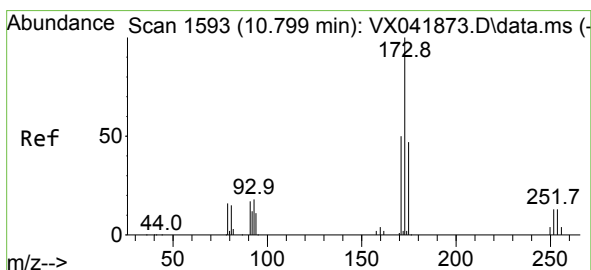
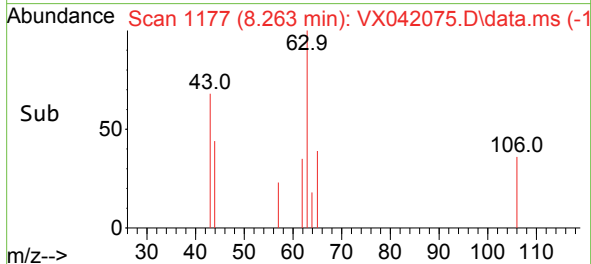
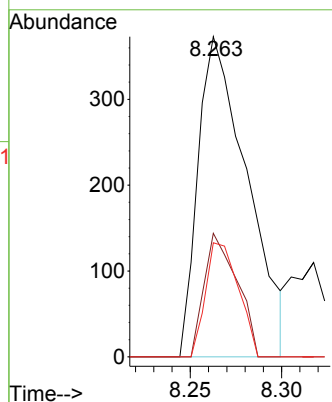
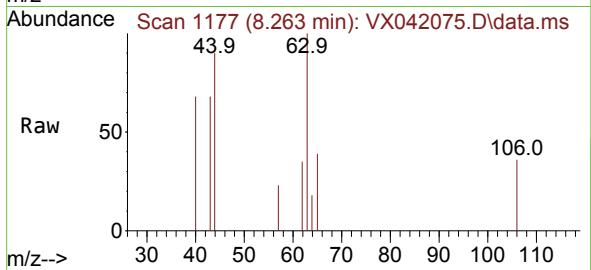




#55
2-Chloroethyl vinyl ether
Concen: 0.569 ug/l
RT: 8.263 min Scan# 1177
Delta R.T. 0.018 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

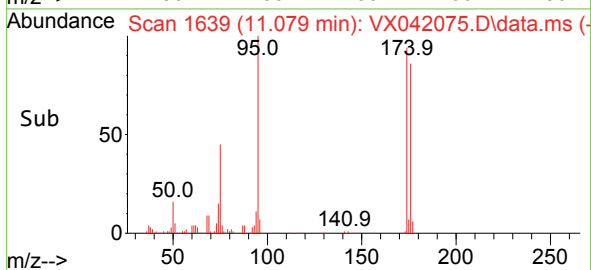
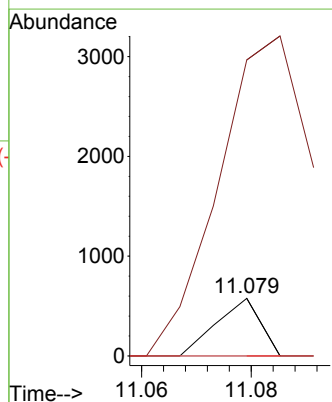
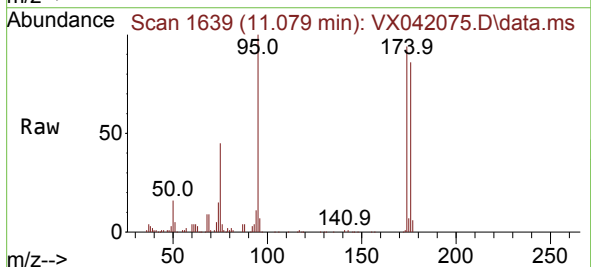
Instrument :
MSVOA_X
ClientSampleId :

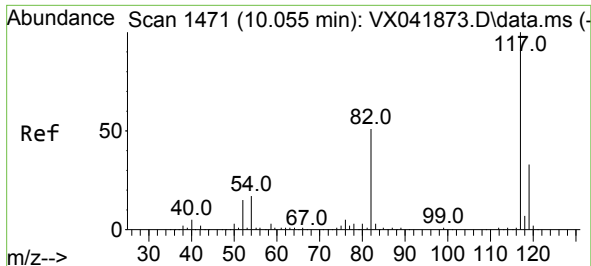
Tgt Ion: 63 Resp: 698
Ion Ratio Lower Upper
63 100
65 25.8 25.7 38.5
106 23.8 25.3 37.9#



#56
Bromoform
Concen: 0.218 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

Tgt Ion: 173 Resp: 323
Ion Ratio Lower Upper
173 100
175 1281.4 39.3 58.9#
254 0.0 9.6 14.4#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX042075.D

Acq: 27 Jun 2024 15:25

Instrument :

MSVOA_X

ClientSampleId :

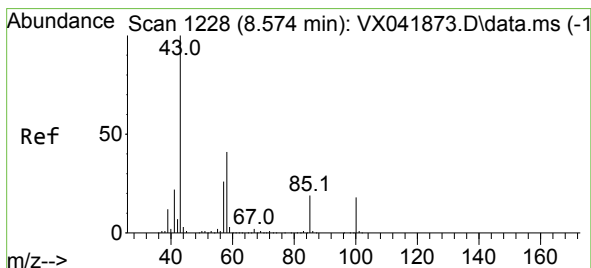
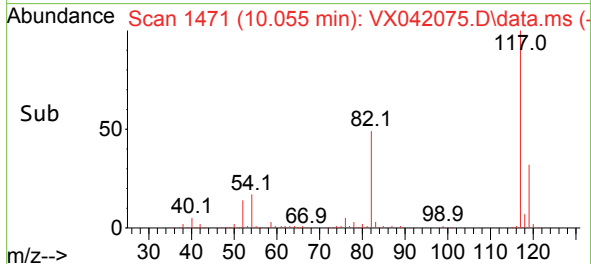
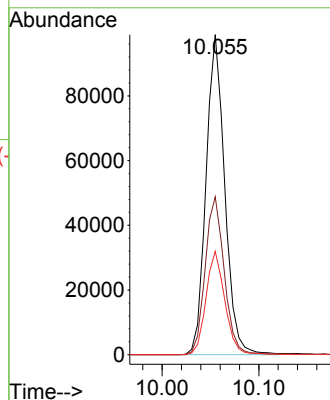
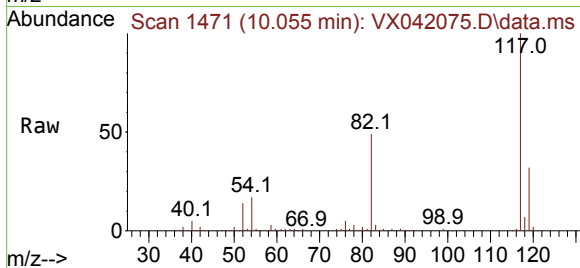
Tgt Ion:117 Resp: 133405

Ion Ratio Lower Upper

117 100

82 50.3 41.1 61.7

119 32.6 26.1 39.1



#58

4-Methyl-2-Pentanone

Concen: 0.252 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX042075.D

Acq: 27 Jun 2024 15:25

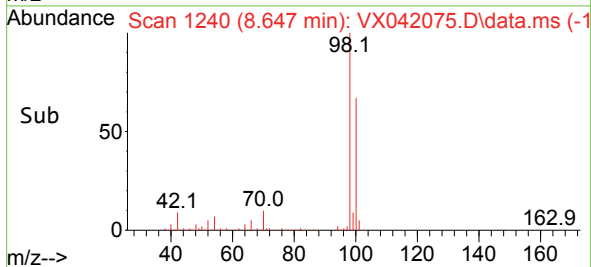
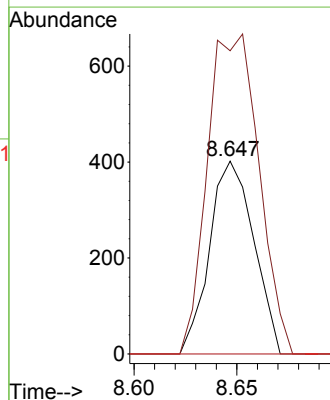
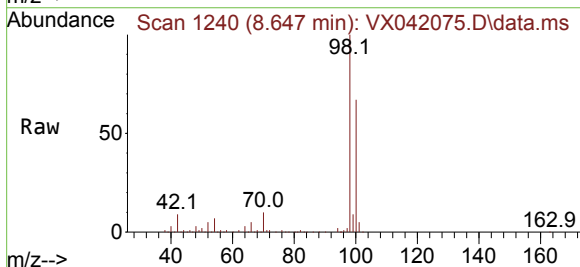
Tgt Ion: 43 Resp: 602

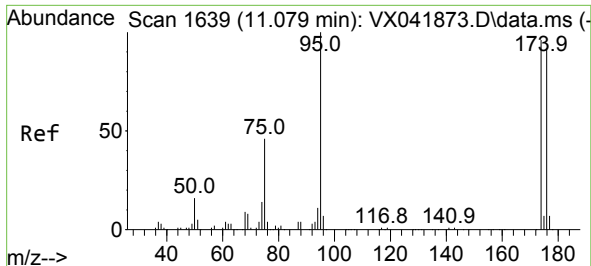
Ion Ratio Lower Upper

43 100

58 192.7 33.2 49.8#

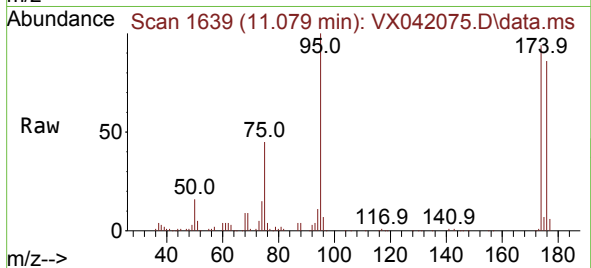
85 0.0 15.5 23.3#



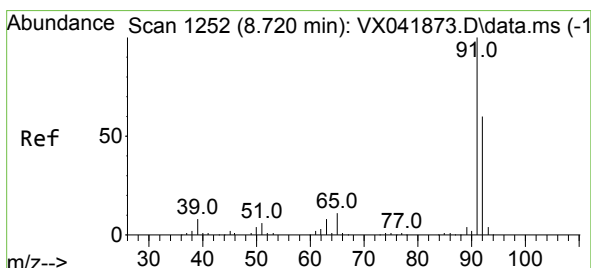
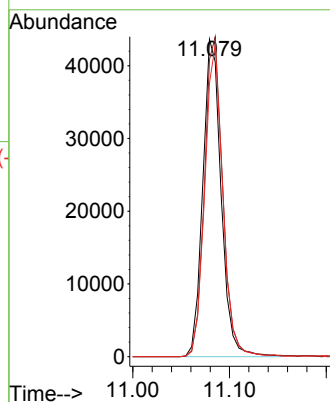
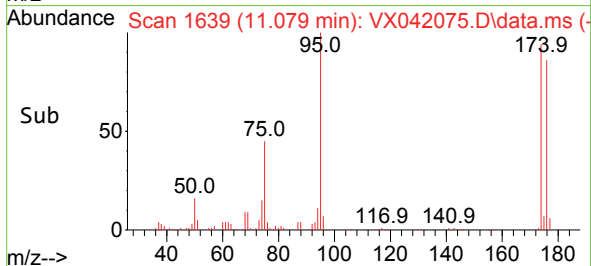


#60
4-Bromofluorobenzene
Concen: 27.872 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

Instrument :
MSVOA_X
ClientSampleId :

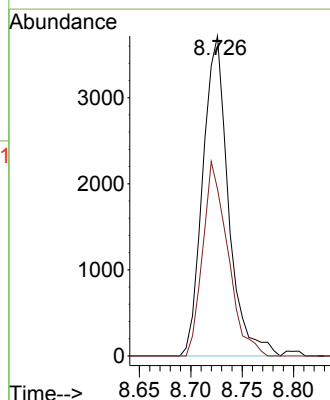
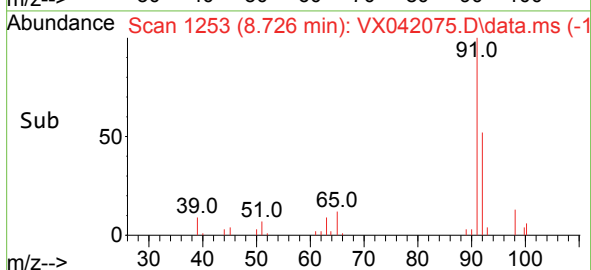
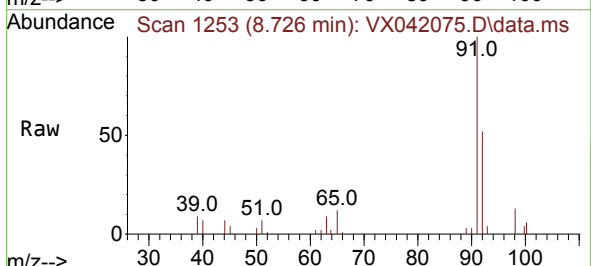


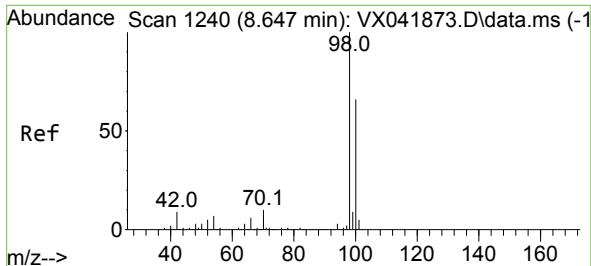
Tgt Ion: 95 Resp: 57555
Ion Ratio Lower Upper
95 100
174 100.2 78.9 118.3
176 96.8 77.1 115.7



#62
Toluene
Concen: 0.955 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

Tgt Ion: 91 Resp: 6450
Ion Ratio Lower Upper
91 100
92 59.4 47.4 71.2

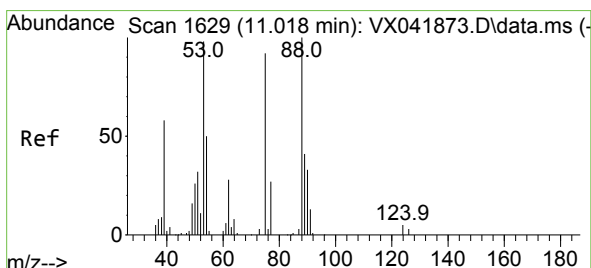
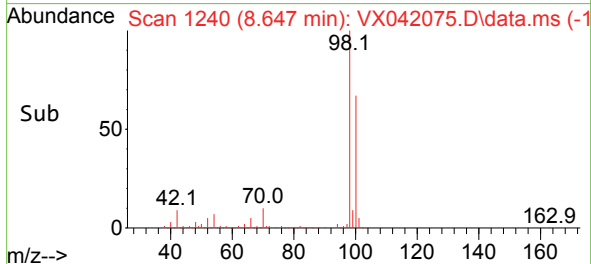
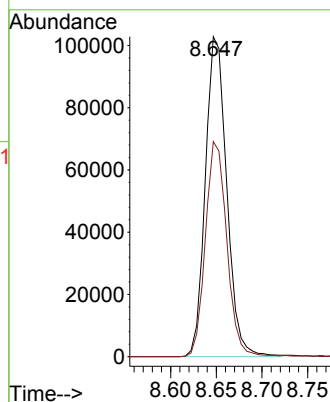
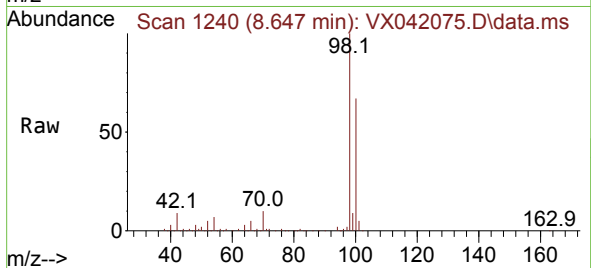




#63
Toluene-d8
Concen: 29.258 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 166989
Ion Ratio Lower Upper
98 100
100 67.3 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 33.169 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042075.D
Acq: 27 Jun 2024 15:25

Tgt Ion: 75 Resp: 25597
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

