

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062024\
 Data File : VX041961.D
 Acq On : 20 Jun 2024 13:25
 Operator : JC/MD
 Sample : P2932-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 21 03:16:37 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)

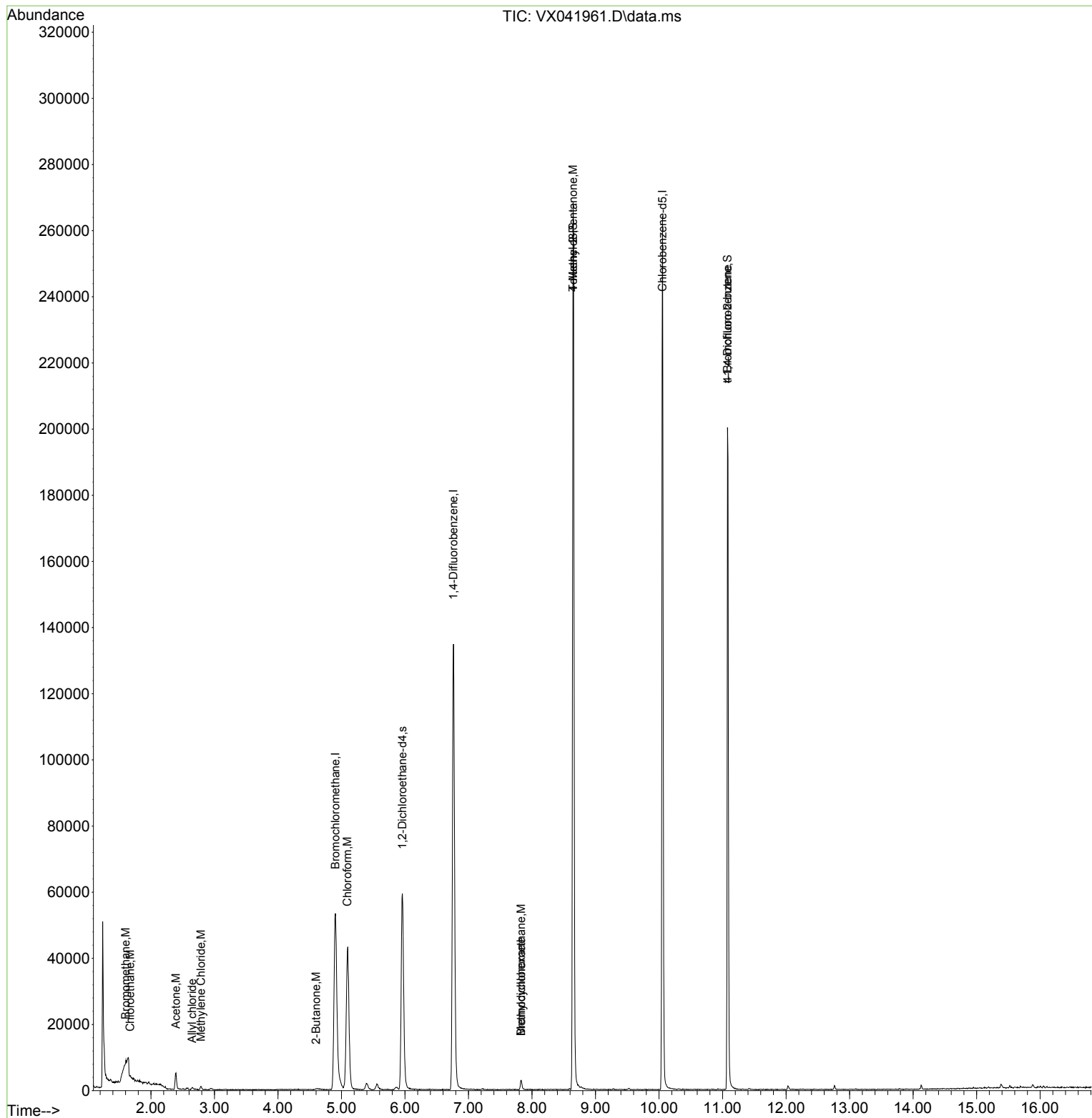
Internal Standards						
1) Bromochloromethane	4.904	128	28300	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	148373	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	132542	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	57670	29.603	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.667%
60) 4-Bromofluorobenzene	11.079	95	53368	26.012	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.700%
63) Toluene-d8	8.647	98	170575	30.080	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.267%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	216	0.202	ug/l	82
6) Chloroethane	1.672	64	435	0.508	ug/l	97
15) Acetone	2.392	58	1798	6.005	ug/l	99
17) Allyl chloride	2.648	41	659	0.251	ug/l #	46
18) Methylene Chloride	2.788	84	494	0.249	ug/l #	92
25) Chloroform	5.093	83	53029	16.919	ug/l	97
30) 2-Butanone	4.599	43	386	0.298	ug/l #	54
38) Methylcyclohexane	7.830	83	2068	0.806	ug/l #	18
41) Bromodichloromethane	7.830	83	2140	1.051	ug/l #	96
58) 4-Methyl-2-Pentanone	8.647	43	688	0.290	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	25065	32.691	ug/l #	7

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

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Sample : P2932-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

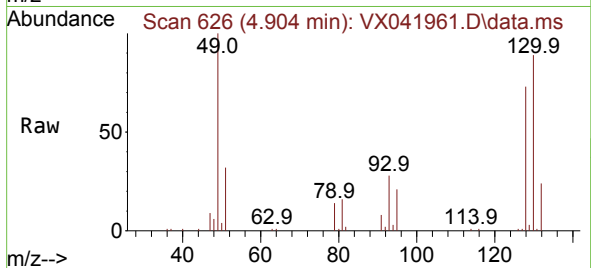
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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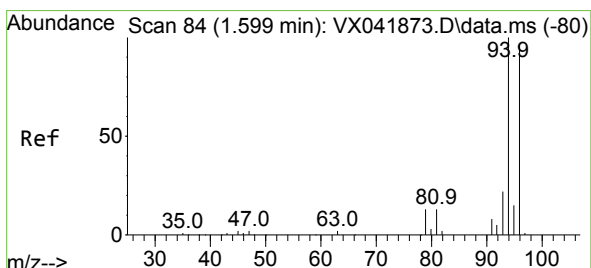
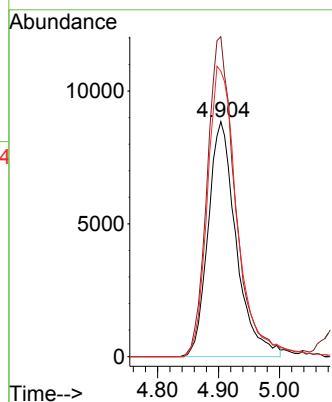
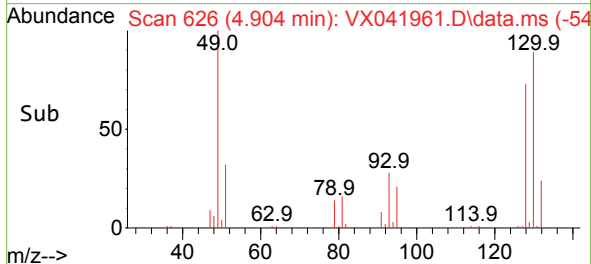


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

Instrument :
MSVOA_X
ClientSampleId :

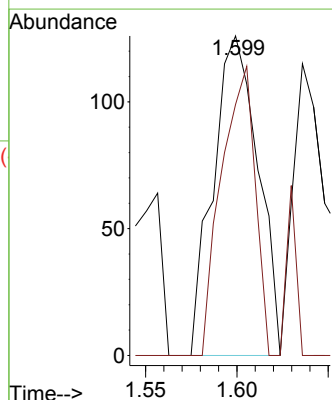
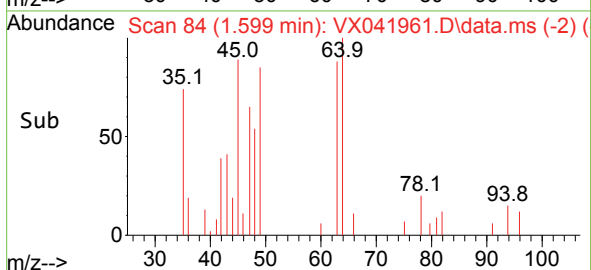
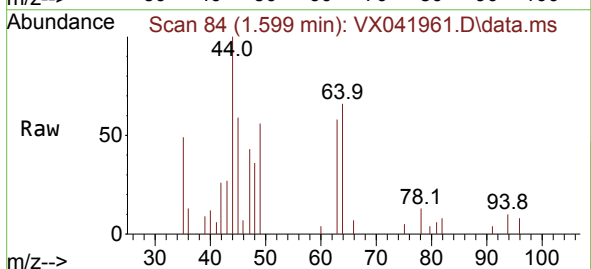


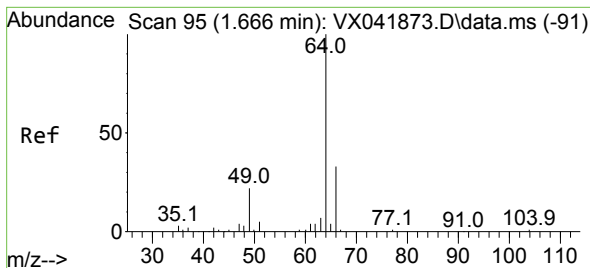
Tgt Ion:128 Resp: 28300
Ion Ratio Lower Upper
128 100
49 137.8 0.0 338.5
130 131.6 0.0 324.5



#5
Bromomethane
Concen: 0.202 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

Tgt Ion: 94 Resp: 216
Ion Ratio Lower Upper
94 100
96 78.6 76.6 115.0





#6

Chloroethane

Concen: 0.508 ug/l

RT: 1.672 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX041961.D

Acq: 20 Jun 2024 13:25

Instrument :

MSVOA_X

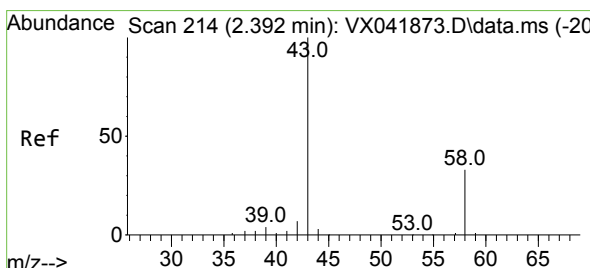
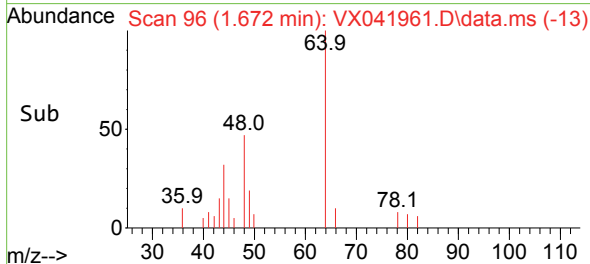
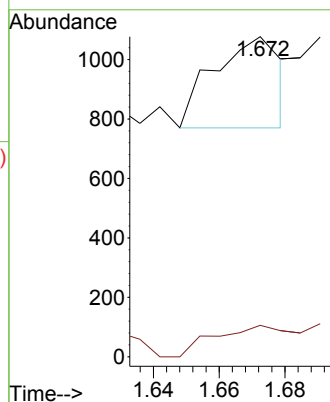
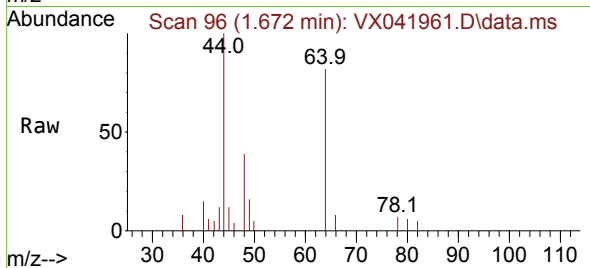
ClientSampleId :

Tgt Ion: 64 Resp: 435

Ion Ratio Lower Upper

64 100

66 34.5 26.4 39.6



#15

Acetone

Concen: 6.005 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX041961.D

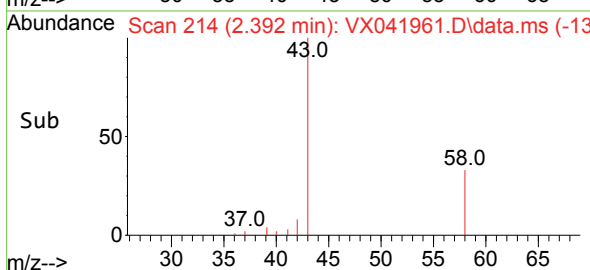
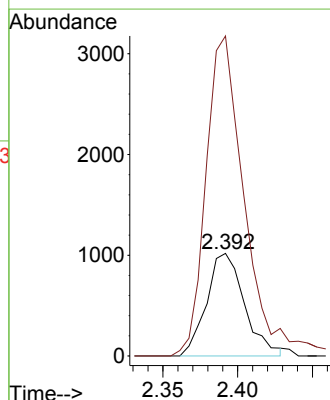
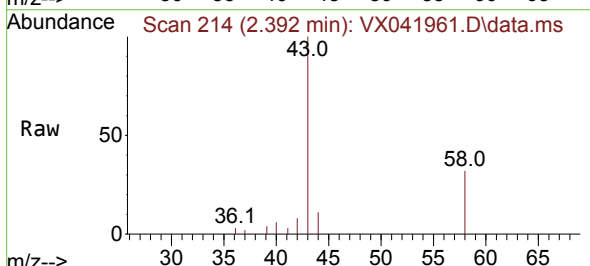
Acq: 20 Jun 2024 13:25

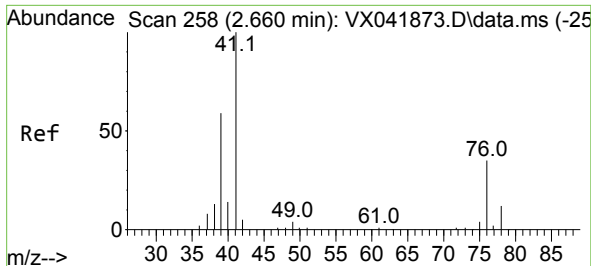
Tgt Ion: 58 Resp: 1798

Ion Ratio Lower Upper

58 100

43 306.7 243.4 365.2





#17

Allyl chloride

Concen: 0.251 ug/l

RT: 2.648 min Scan# 256

Delta R.T. -0.012 min

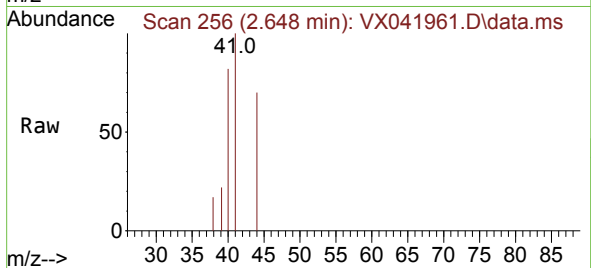
Lab File: VX041961.D

Acq: 20 Jun 2024 13:25

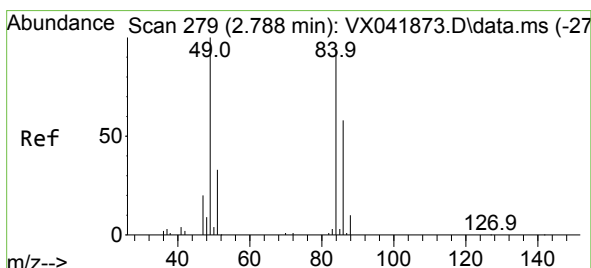
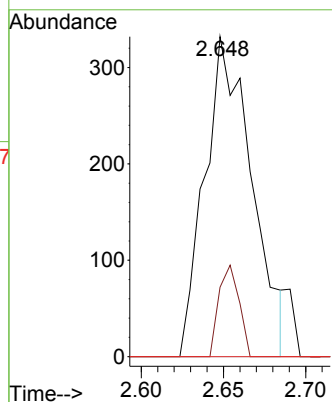
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	41	Resp:	659
Ion	Ratio	Lower	Upper
41	100		
39	21.7	29.6	88.8#
76	0.0	18.1	54.4#



#18

Methylene Chloride

Concen: 0.249 ug/l

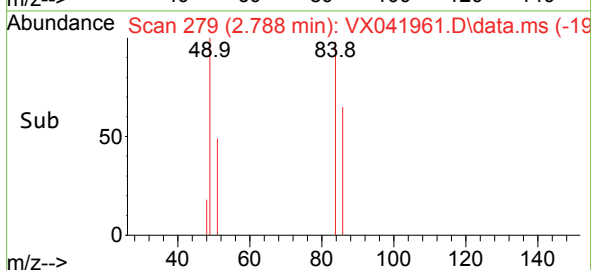
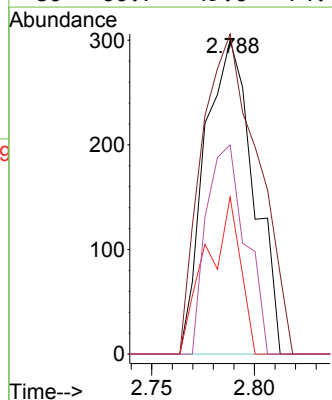
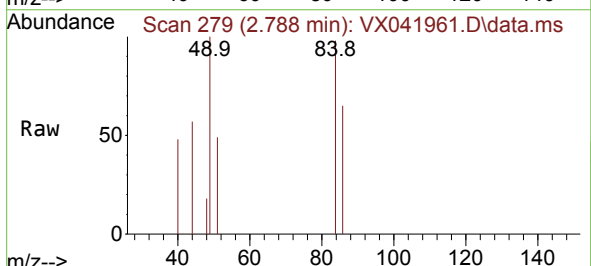
RT: 2.788 min Scan# 279

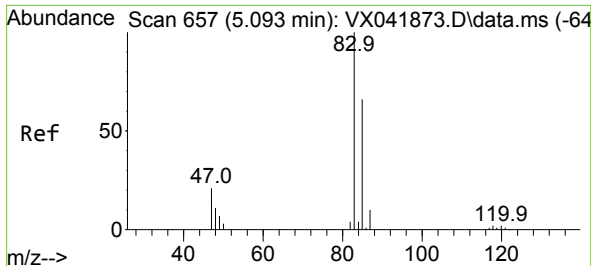
Delta R.T. 0.000 min

Lab File: VX041961.D

Acq: 20 Jun 2024 13:25

Tgt Ion:	84	Resp:	494
Ion	Ratio	Lower	Upper
84	100		
49	102.0	85.3	127.9
51	50.0	28.5	42.7#
86	66.7	49.6	74.4

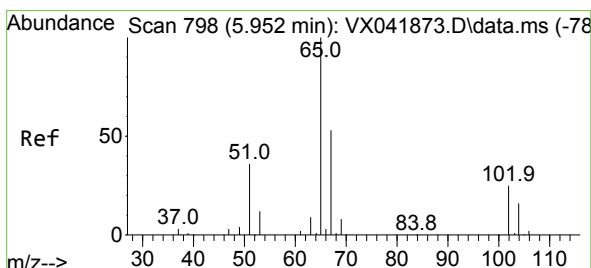
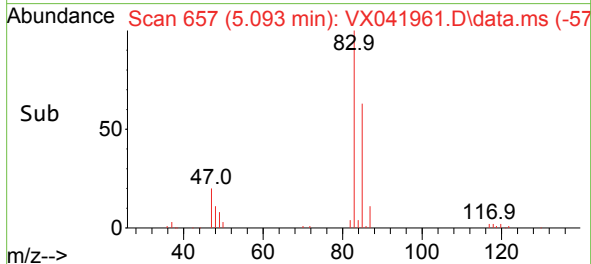
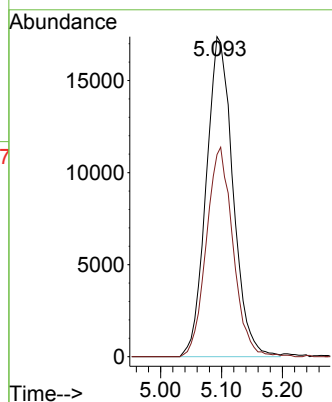
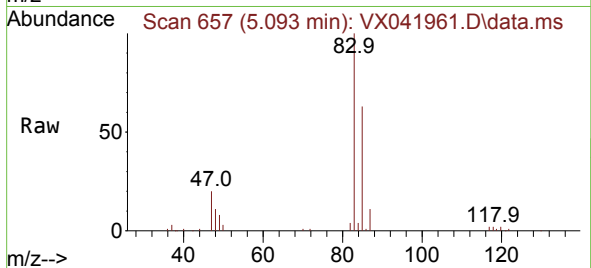




#25
Chloroform
Concen: 16.919 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

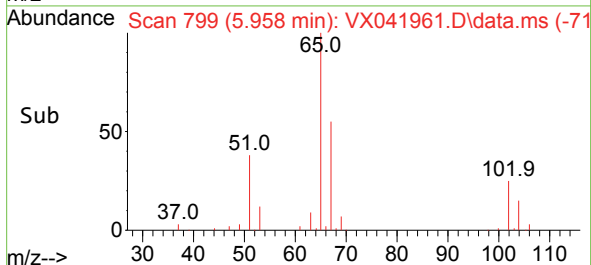
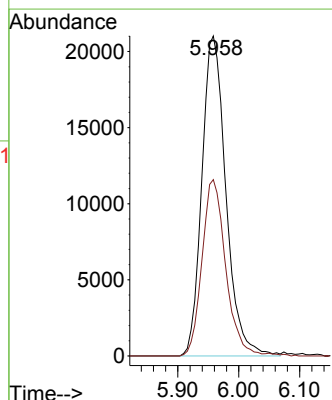
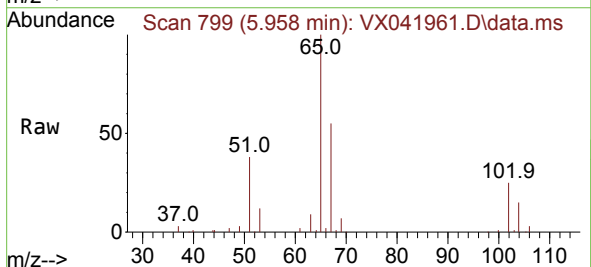
Instrument :
MSVOA_X
ClientSampleId :

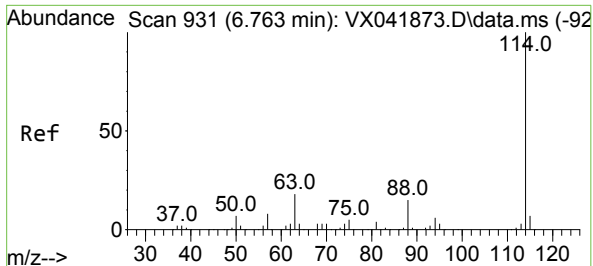
Tgt Ion: 83 Resp: 53029
Ion Ratio Lower Upper
83 100
85 63.1 52.7 79.1



#27
1,2-Dichloroethane-d4
Concen: 29.603 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

Tgt Ion: 65 Resp: 57670
Ion Ratio Lower Upper
65 100
67 54.0 43.4 65.0

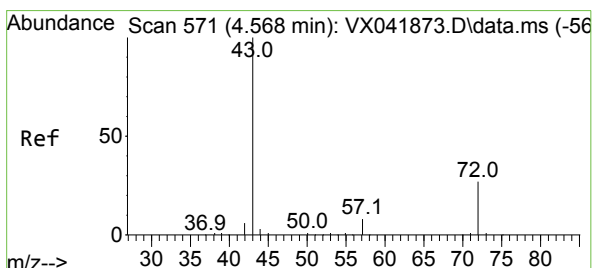
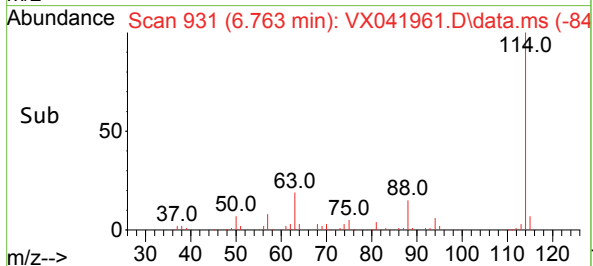
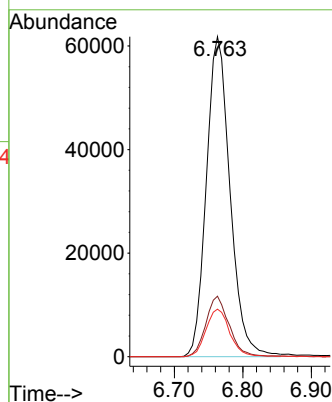
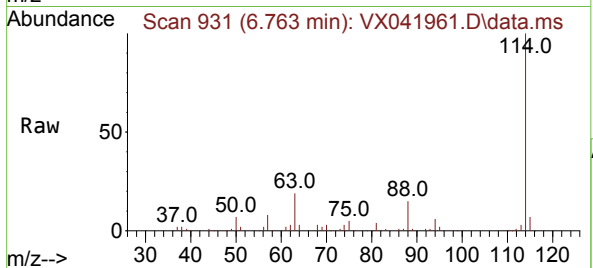




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

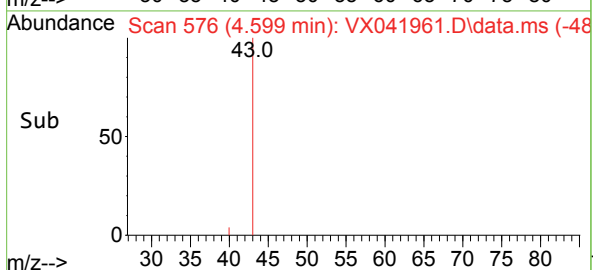
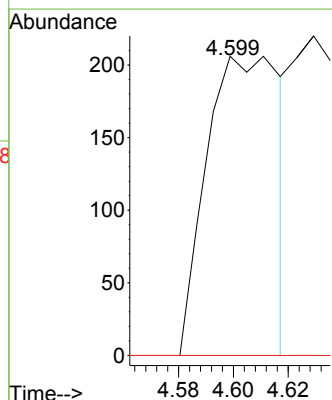
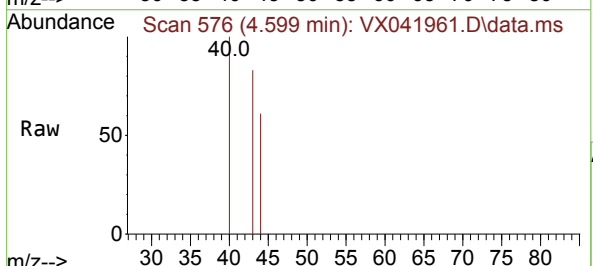
Instrument :
MSVOA_X
ClientSampleId :

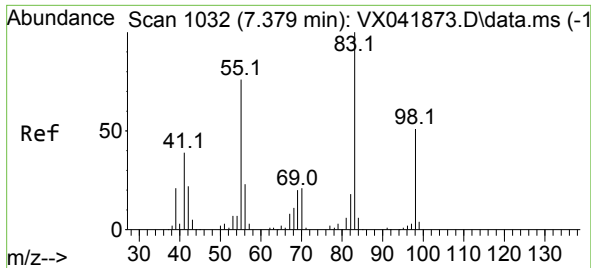
Tgt Ion:114 Resp: 148373
Ion Ratio Lower Upper
114 100
63 18.5 14.6 21.8
88 15.0 11.8 17.8



#30
2-Butanone
Concen: 0.298 ug/l
RT: 4.599 min Scan# 576
Delta R.T. 0.031 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

Tgt Ion: 43 Resp: 386
Ion Ratio Lower Upper
43 100
57 0.0 6.5 9.7#
72 0.0 22.0 33.0#

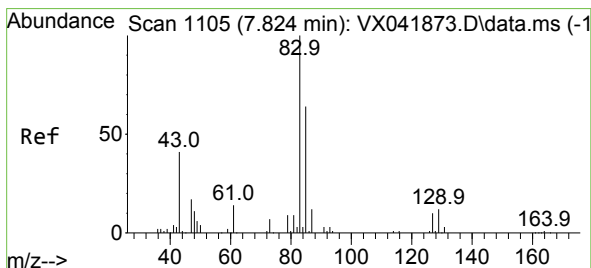
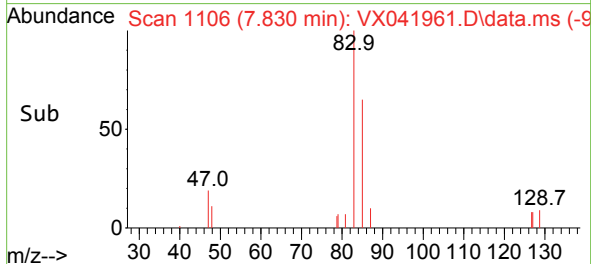
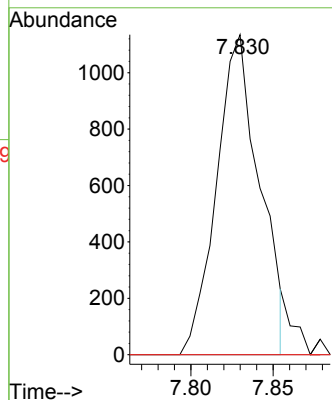
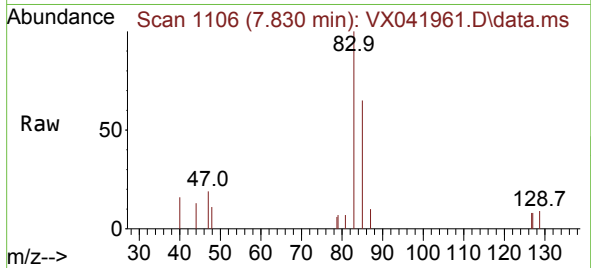




#38
Methylcyclohexane
Concen: 0.806 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.451 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

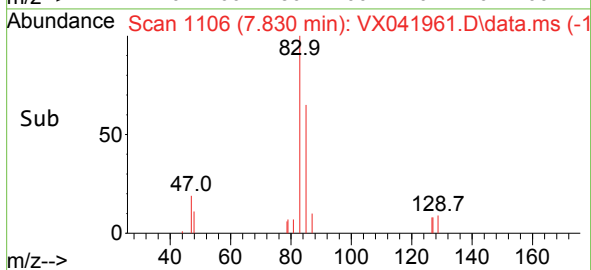
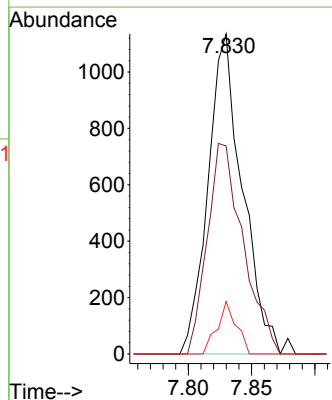
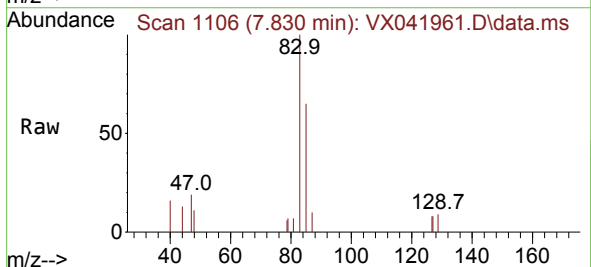
Instrument :
MSVOA_X
ClientSampleId :

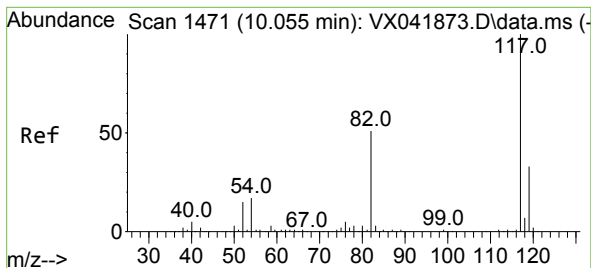
Tgt Ion: 83 Resp: 2068
Ion Ratio Lower Upper
83 100
55 0.0 37.3 111.9#
98 0.0 24.8 74.4#



#41
Bromodichloromethane
Concen: 1.051 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

Tgt Ion: 83 Resp: 2140
Ion Ratio Lower Upper
83 100
85 65.0 51.1 76.7
127 16.4 8.1 12.1#

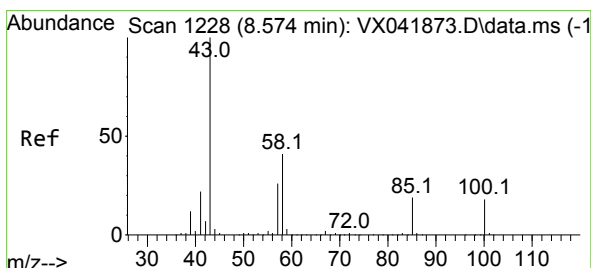
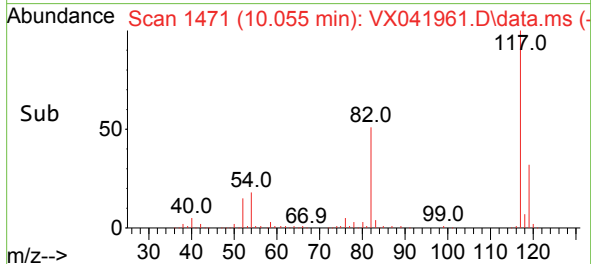
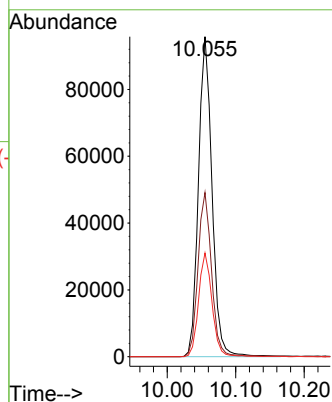
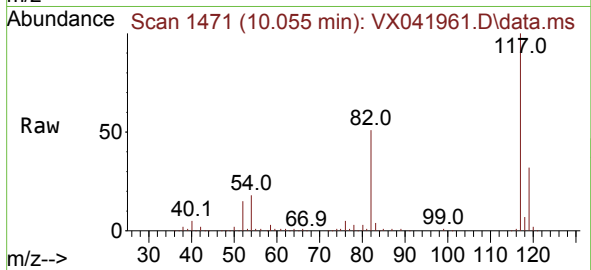




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

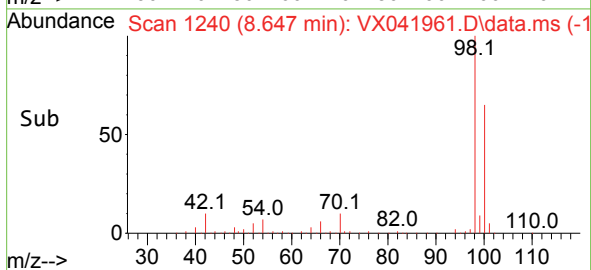
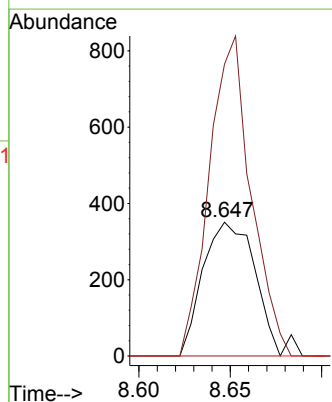
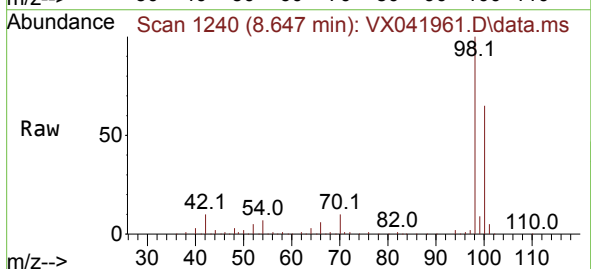
Instrument :
MSVOA_X
ClientSampleId :

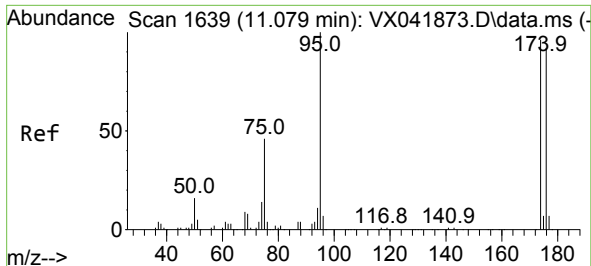
Tgt Ion:117 Resp: 132542
Ion Ratio Lower Upper
117 100
82 51.0 41.1 61.7
119 31.9 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 0.290 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

Tgt Ion: 43 Resp: 688
Ion Ratio Lower Upper
43 100
58 194.0 33.2 49.8#
85 0.0 15.5 23.3#

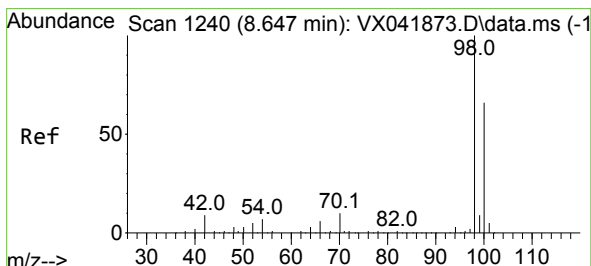
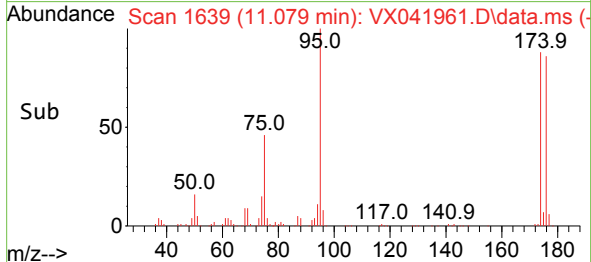
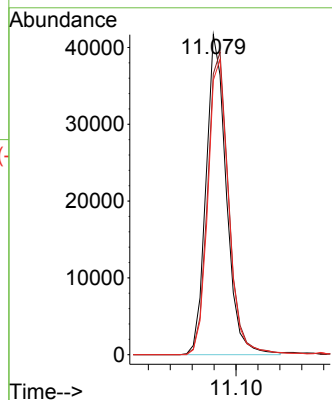
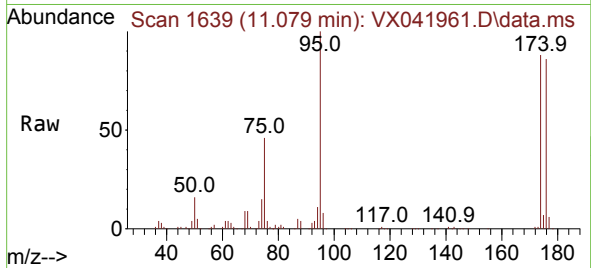




#60
4-Bromofluorobenzene
Concen: 26.012 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

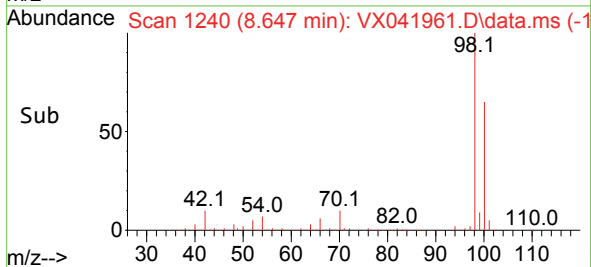
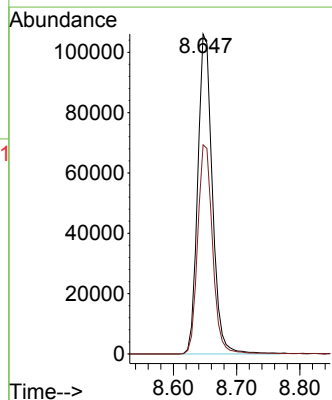
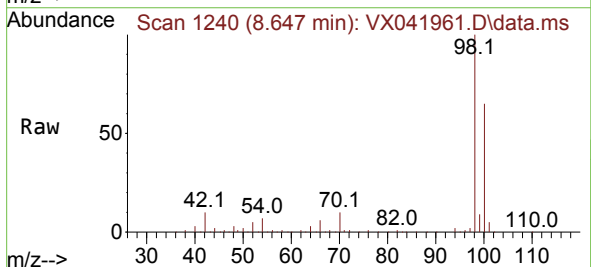
Instrument :
MSVOA_X
ClientSampleId :

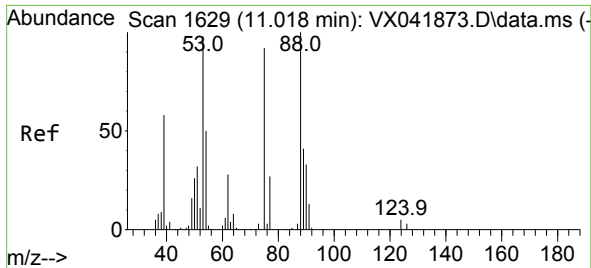
Tgt Ion: 95 Resp: 53368
Ion Ratio Lower Upper
95 100
174 98.3 78.9 118.3
176 94.9 77.1 115.7



#63
Toluene-d8
Concen: 30.080 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041961.D
Acq: 20 Jun 2024 13:25

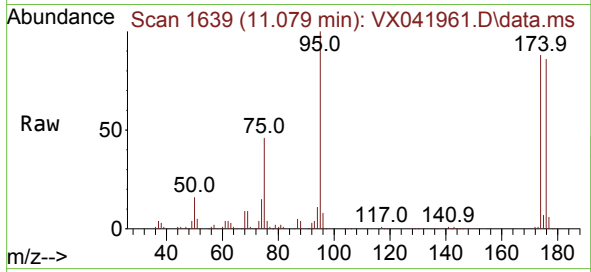
Tgt Ion: 98 Resp: 170575
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.691 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041961.D
 Acq: 20 Jun 2024 13:25

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 25065
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

