

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072674.D
 Acq On : 06 Jun 2022 19:54
 Operator : JC\MD
 Sample : N3157-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Quant Time: Jun 07 06:30:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N060622W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Jun 06 14:10:15 2022
 Response via : Initial Calibration

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

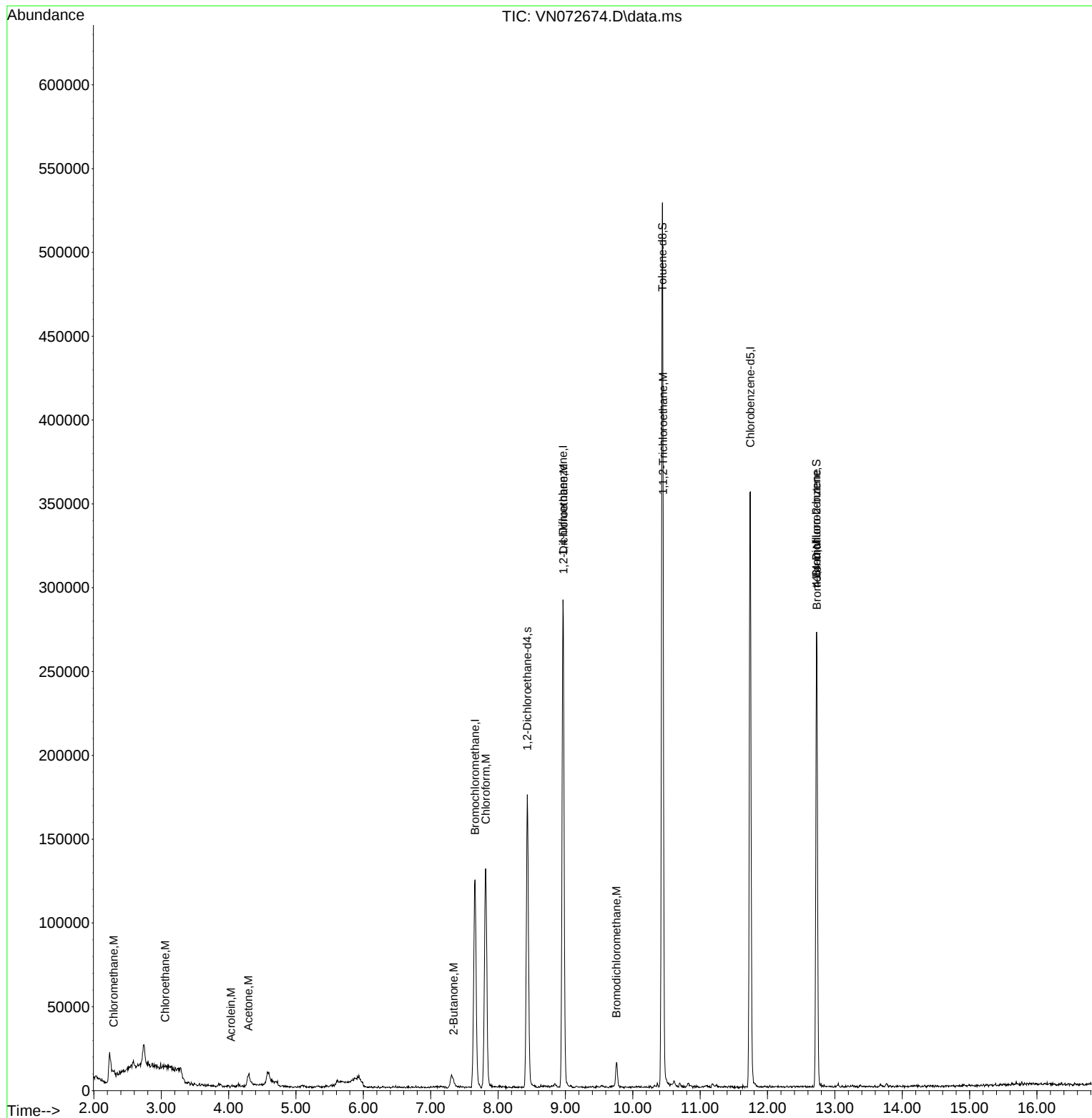
Internal Standards						
1) Bromochloromethane	7.657	128	40011	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	243621	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	194168	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	143287	31.401	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.667%
60) 4-Bromofluorobenzene	12.727	95	96052	24.052	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.167%
63) Toluene-d8	10.439	98	350889	32.623	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	108.733%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	1120	0.344	ug/l #	80
6) Chloroethane	3.057	64	517	0.264	ug/l	93
13) Acrolein	4.034	56	417	0.873	ug/l #	71
15) Acetone	4.293	58	4320	7.177	ug/l #	66
25) Chloroform	7.816	83	122749	19.017	ug/l	96
30) 2-Butanone	7.339	43	1936	0.576	ug/l #	70
36) 1,2-Dichloroethane	8.969	62	10190	1.756	ug/l #	77
41) Bromodichloromethane	9.757	83	10741	1.938	ug/l	92
50) 1,1,2-Trichloroethane	10.451	97	11132	3.039	ug/l #	1
56) Bromoform	12.733	173	602	0.214	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	55557	30.361	ug/l #	8

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

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ALS Vial : 20 Sample Multiplier: 1

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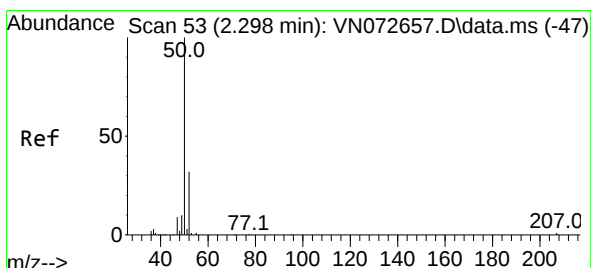
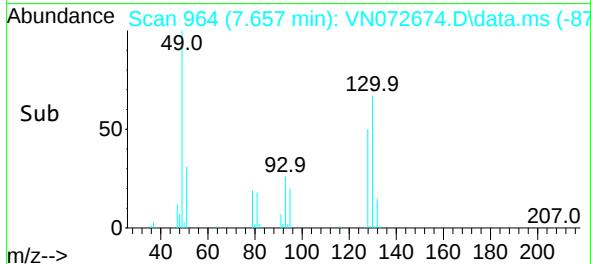
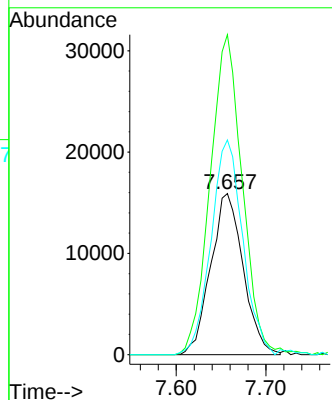
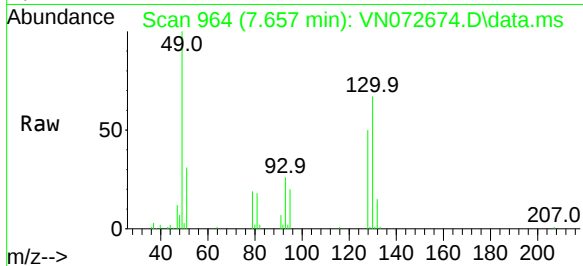




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

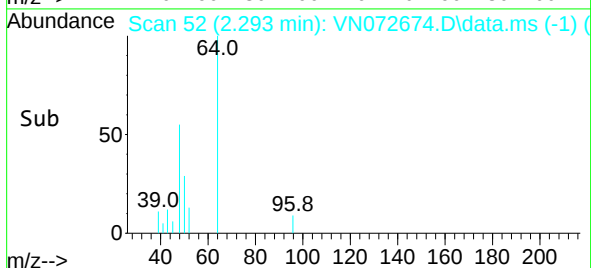
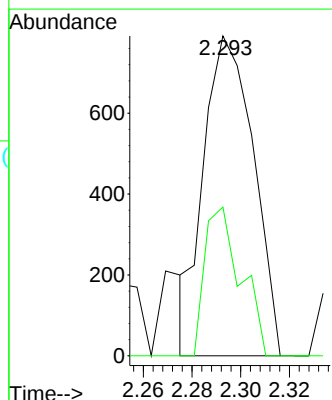
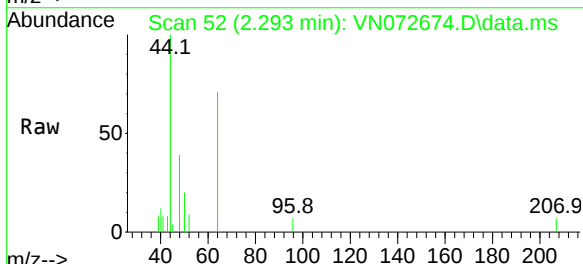
Instrument :
MSVOA_N
ClientSampleId :
14B-1

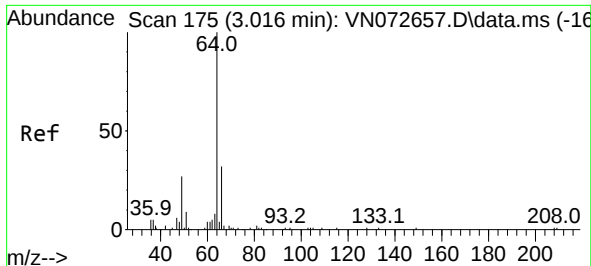
Tgt Ion:128 Resp: 40011
Ion Ratio Lower Upper
128 100
49 195.6 0.0 392.3
130 130.0 0.0 320.2



#3
Chloromethane
Concen: 0.344 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

Tgt Ion: 50 Resp: 1120
Ion Ratio Lower Upper
50 100
52 46.5 27.8 41.6#

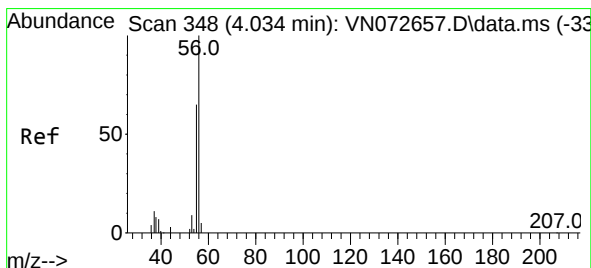
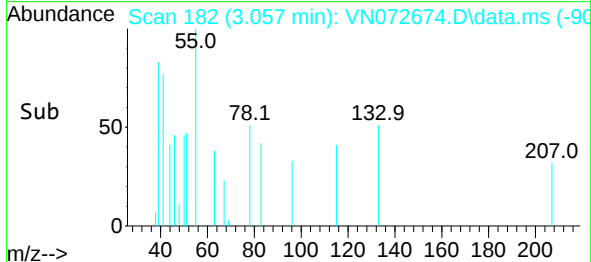
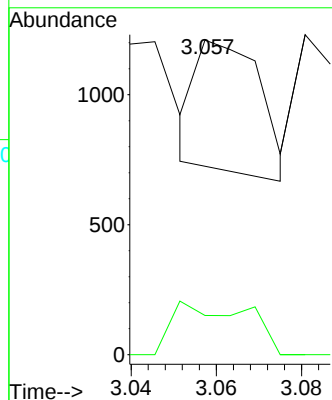
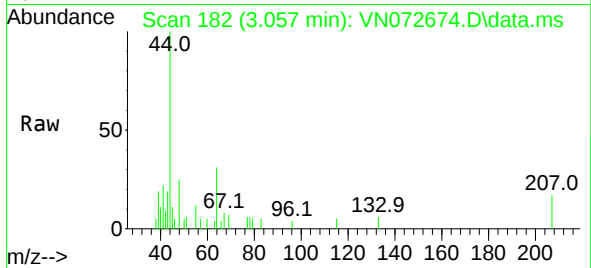




#6
Chloroethane
Concen: 0.264 ug/l
RT: 3.057 min Scan# 11
Delta R.T. 0.041 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

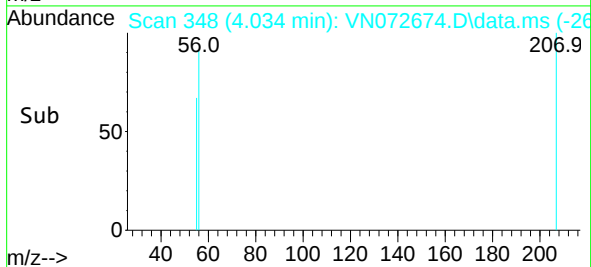
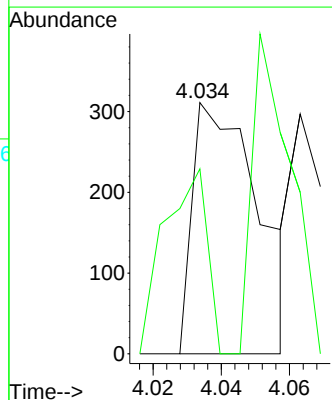
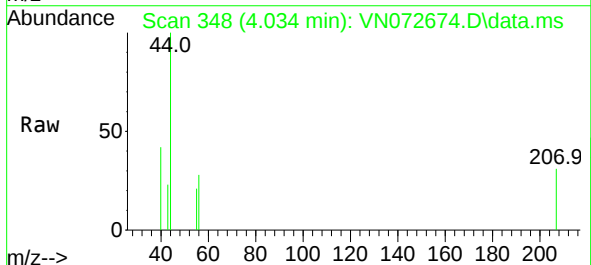
Instrument :
MSVOA_N
ClientSampleId :
14B-1

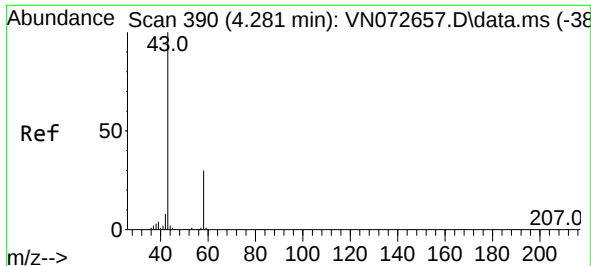
Tgt Ion: 64 Resp: 517
Ion Ratio Lower Upper
64 100
66 34.5 24.6 36.8



#13
Acrolein
Concen: 0.873 ug/l
RT: 4.034 min Scan# 348
Delta R.T. 0.000 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

Tgt Ion: 56 Resp: 417
Ion Ratio Lower Upper
56 100
55 48.2 57.6 86.4#

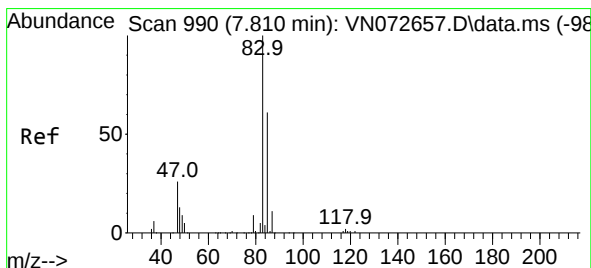
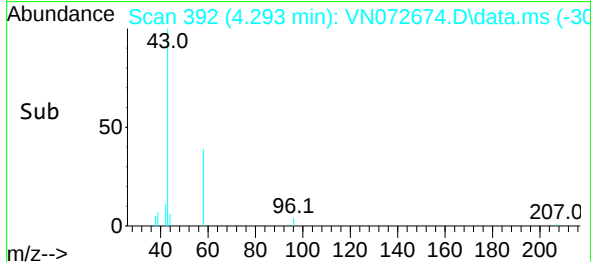
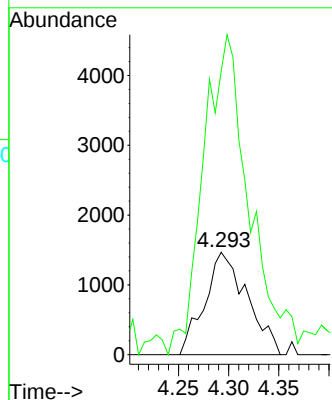
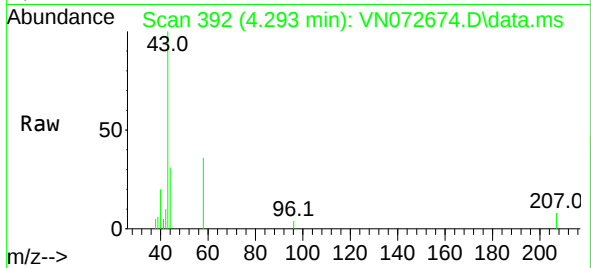




#15
Acetone
Concen: 7.177 ug/l
RT: 4.293 min Scan# 391
Delta R.T. 0.012 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

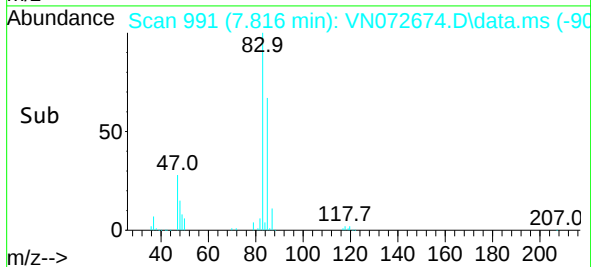
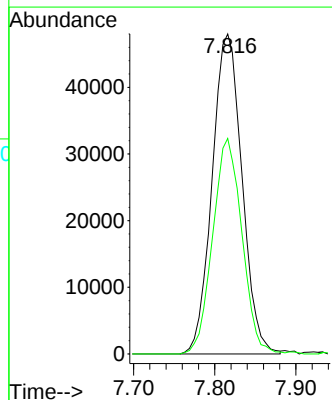
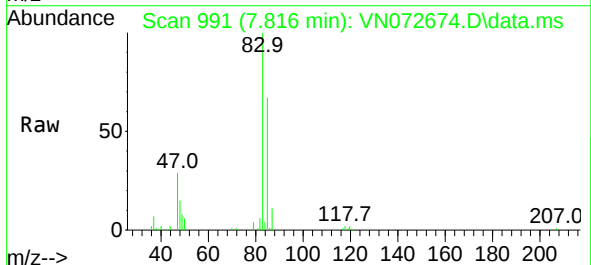
Instrument :
MSVOA_N
ClientSampleId :
14B-1

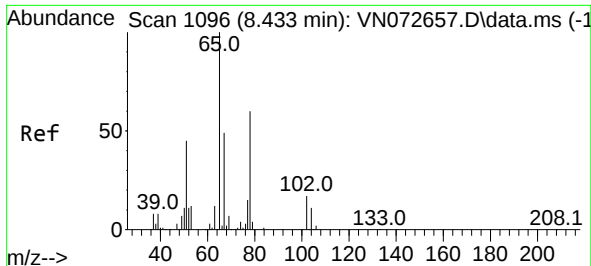
Tgt Ion: 58 Resp: 4320
Ion Ratio Lower Upper
58 100
43 251.8 256.6 384.8#



#25
Chloroform
Concen: 19.017 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

Tgt Ion: 83 Resp: 122749
Ion Ratio Lower Upper
83 100
85 67.4 51.3 76.9

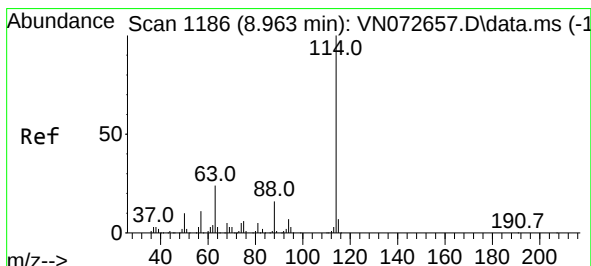
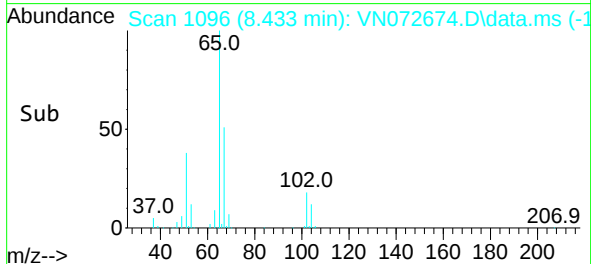
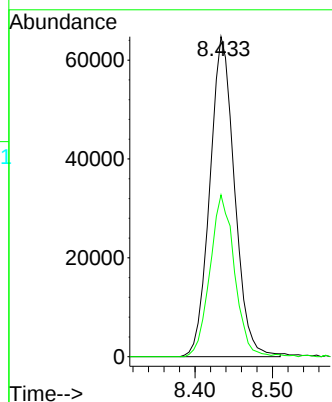
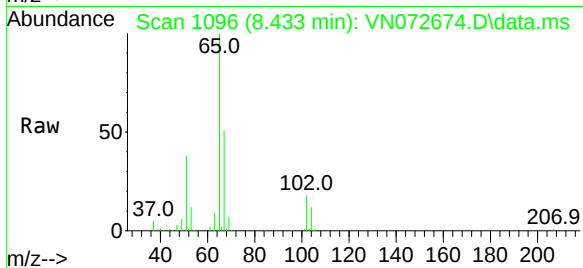




#27
1,2-Dichloroethane-d4
Concen: 31.401 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

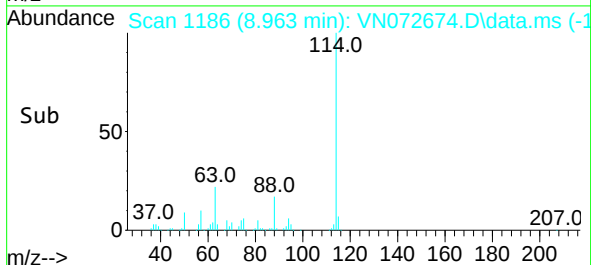
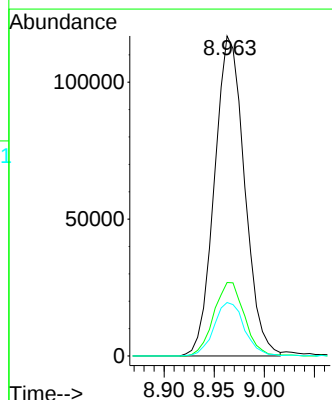
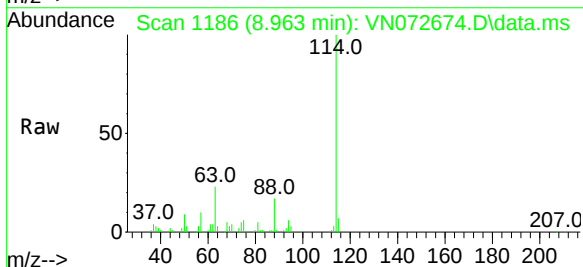
Instrument :
MSVOA_N
ClientSampleId :
14B-1

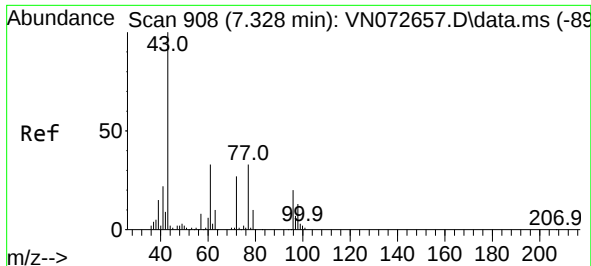
Tgt Ion: 65 Resp: 143287
Ion Ratio Lower Upper
65 100
67 50.1 40.2 60.2



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.000 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

Tgt Ion: 114 Resp: 243621
Ion Ratio Lower Upper
114 100
63 23.4 15.8 23.6
88 16.9 11.6 17.4





#30

2-Butanone

Concen: 0.576 ug/l

RT: 7.339 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN072674.D

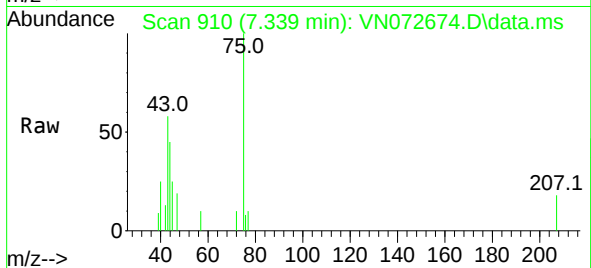
Acq: 06 Jun 2022 19:54

Instrument :

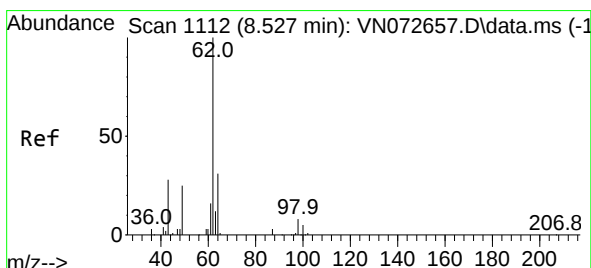
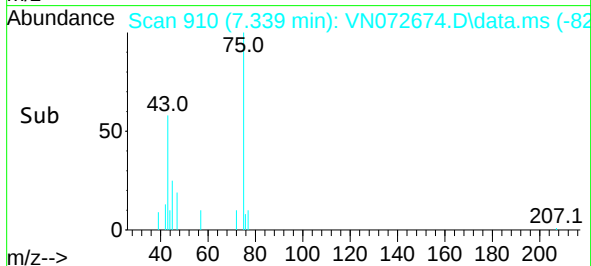
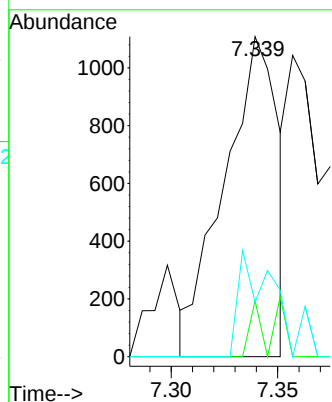
MSVOA_N

ClientSampleId :

14B-1



Tgt Ion:	43	Resp:	1936
Ion	Ratio	Lower	Upper
43	100		
57	3.5	6.7	10.1#
72	10.1	23.2	34.8#



#36

1,2-Dichloroethane

Concen: 1.756 ug/l

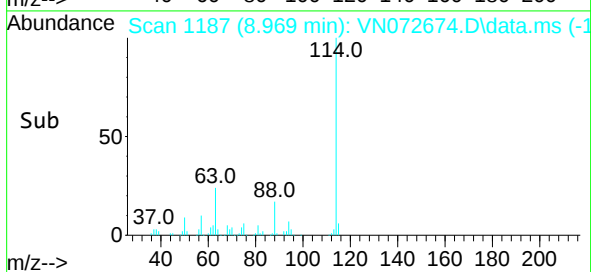
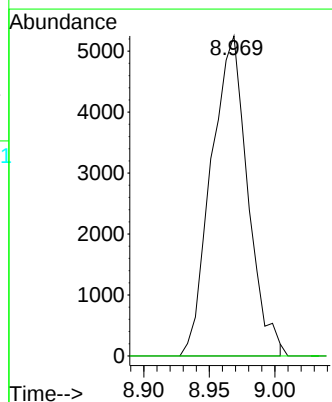
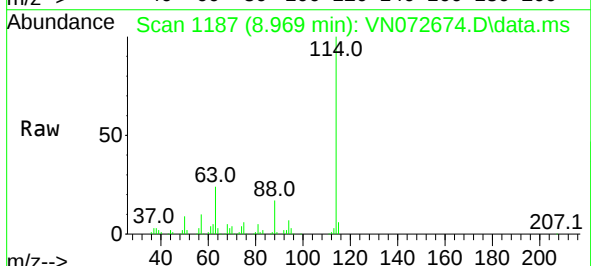
RT: 8.969 min Scan# 1187

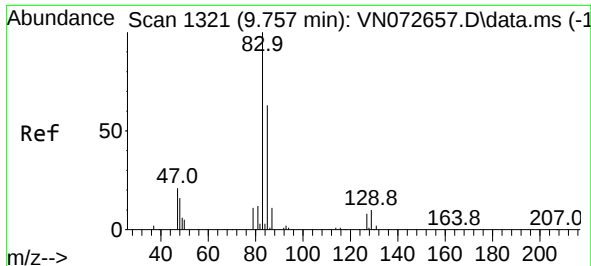
Delta R.T. 0.441 min

Lab File: VN072674.D

Acq: 06 Jun 2022 19:54

Tgt Ion:	62	Resp:	10190
Ion	Ratio	Lower	Upper
62	100		
98	0.0	6.6	10.0#

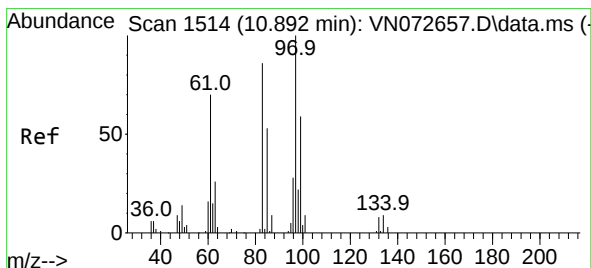
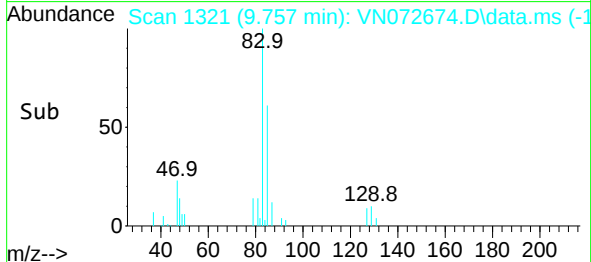
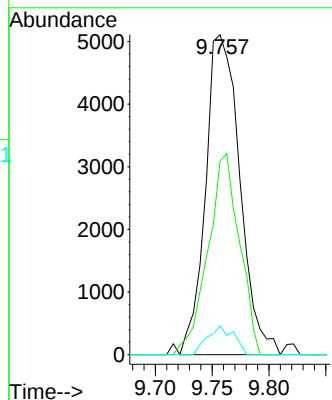
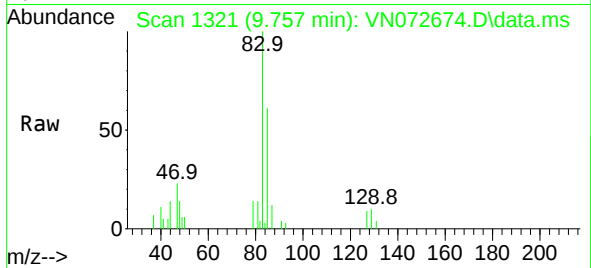




#41
Bromodichloromethane
Concen: 1.938 ug/l
RT: 9.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

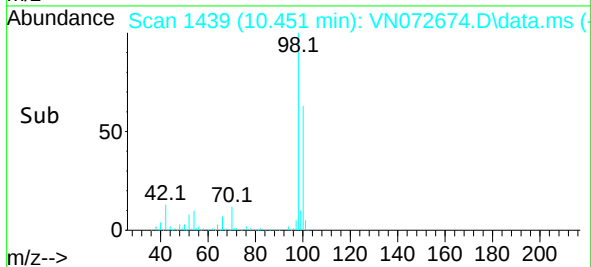
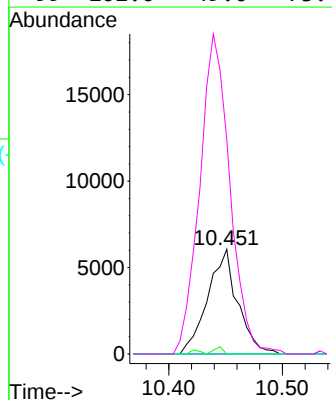
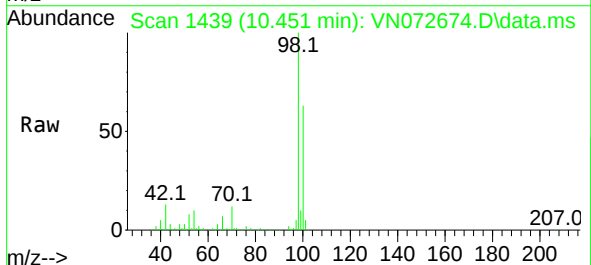
Instrument :
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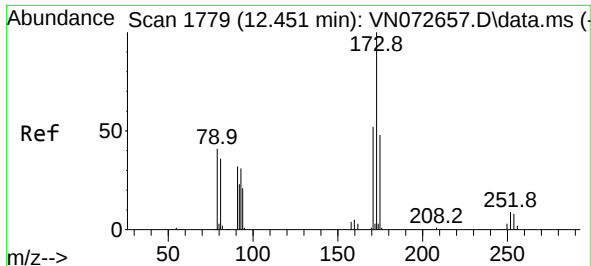
Tgt Ion: 83 Resp: 10741
Ion Ratio Lower Upper
83 100
85 60.5 54.1 81.1
127 9.0 7.6 11.4



#50
1,1,2-Trichloroethane
Concen: 3.039 ug/l
RT: 10.451 min Scan# 1439
Delta R.T. -0.441 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

Tgt Ion: 97 Resp: 11132
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 202.0 49.0 73.4#

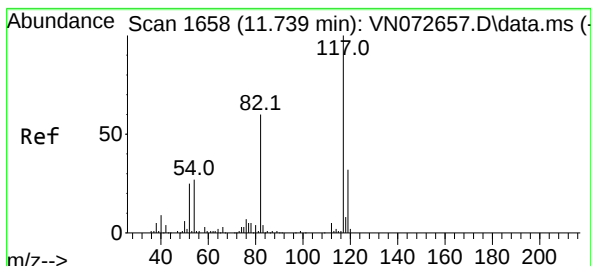
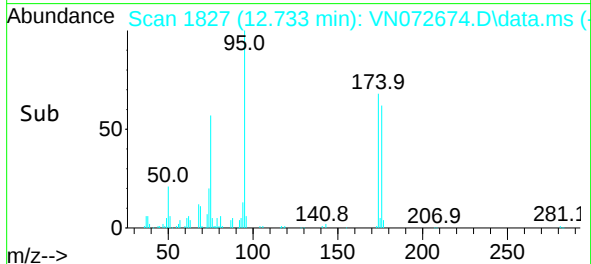
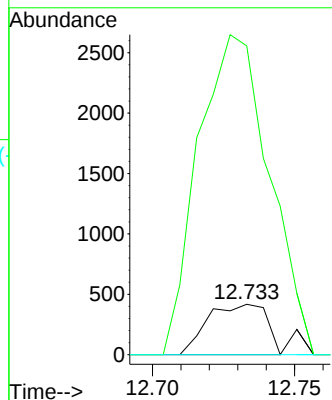
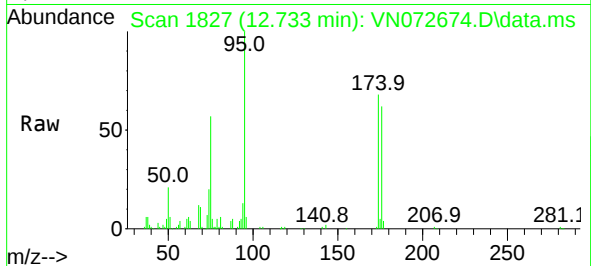




#56
Bromoform
Concen: 0.214 ug/l
RT: 12.733 min Scan# 11
Delta R.T. 0.282 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

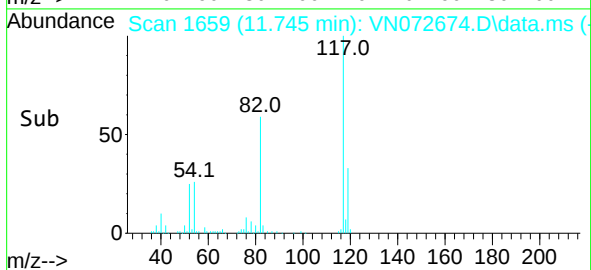
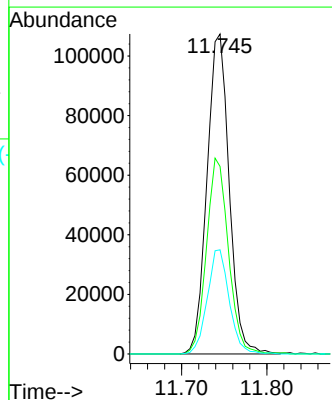
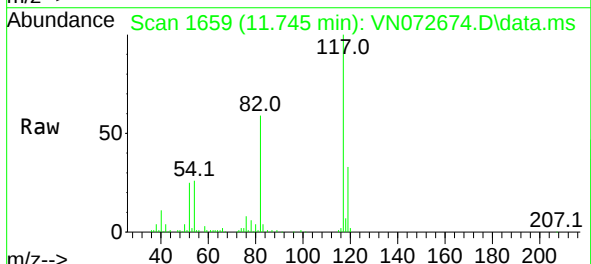
Instrument :
MSVOA_N
ClientSampleId :
14B-1

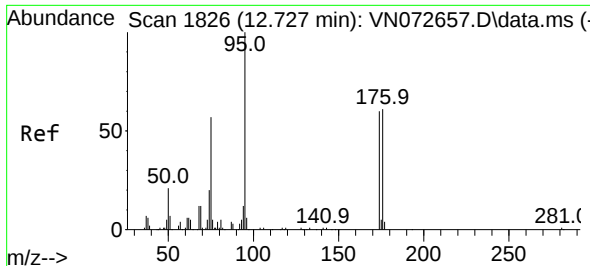
Tgt Ion:173 Resp: 602
Ion Ratio Lower Upper
173 100
175 767.9 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

Tgt Ion:117 Resp: 194168
Ion Ratio Lower Upper
117 100
82 60.4 43.6 65.4
119 32.2 25.8 38.6

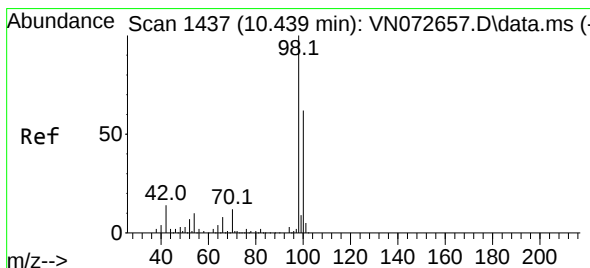
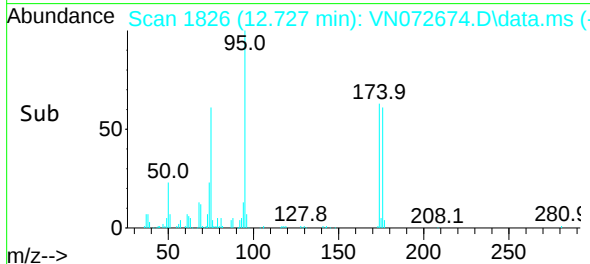
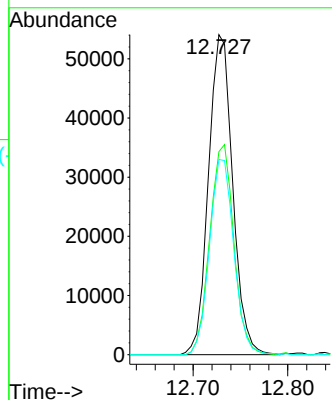
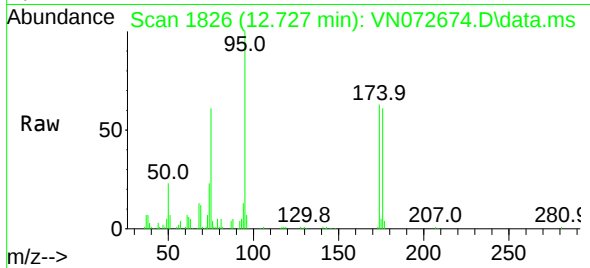




#60
4-Bromofluorobenzene
Concen: 24.052 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

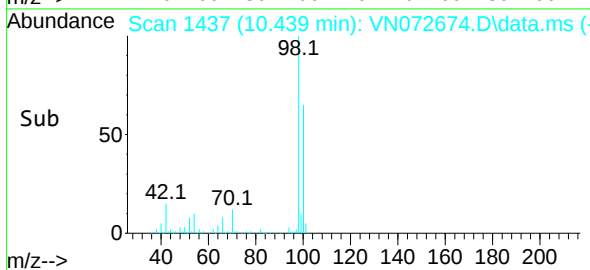
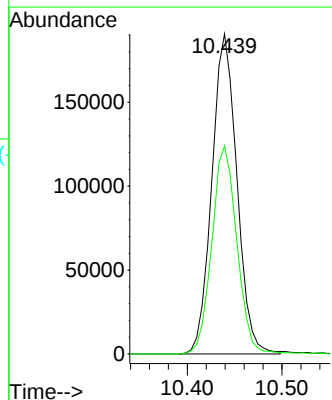
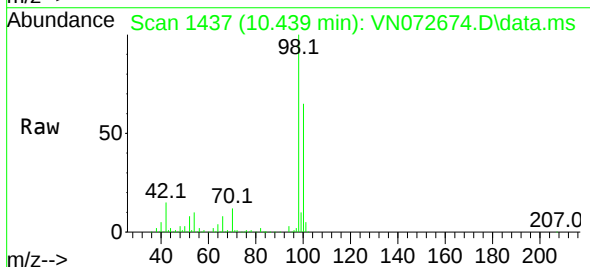
Instrument :
MSVOA_N
ClientSampleId :
14B-1

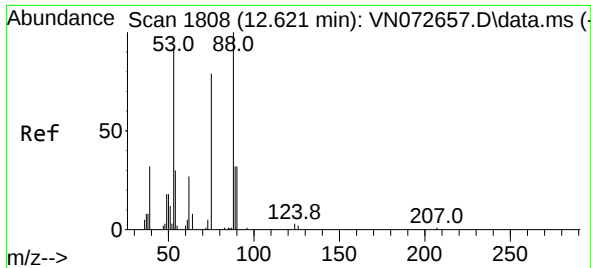
Tgt Ion: 95 Resp: 96052
Ion Ratio Lower Upper
95 100
174 65.4 62.9 94.3
176 61.7 61.0 91.4



#63
Toluene-d8
Concen: 32.623 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072674.D
Acq: 06 Jun 2022 19:54

Tgt Ion: 98 Resp: 350889
Ion Ratio Lower Upper
98 100
100 65.0 50.6 76.0





#77
 t-1,4-Dichloro-2-butene
 Concen: 30.361 ug/l
 RT: 12.727 min Scan# 114
 Delta R.T. 0.106 min
 Lab File: VN072674.D
 Acq: 06 Jun 2022 19:54

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-1

Tgt Ion: 75 Resp: 55557
 Ion Ratio Lower Upper
 75 100
 53 0.0 51.8 155.5#
 89 0.0 22.9 68.7#

