

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072688.D
 Acq On : 07 Jun 2022 15:18
 Operator : JC\MD
 Sample : N3198-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: Jun 08 09:52:15 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)

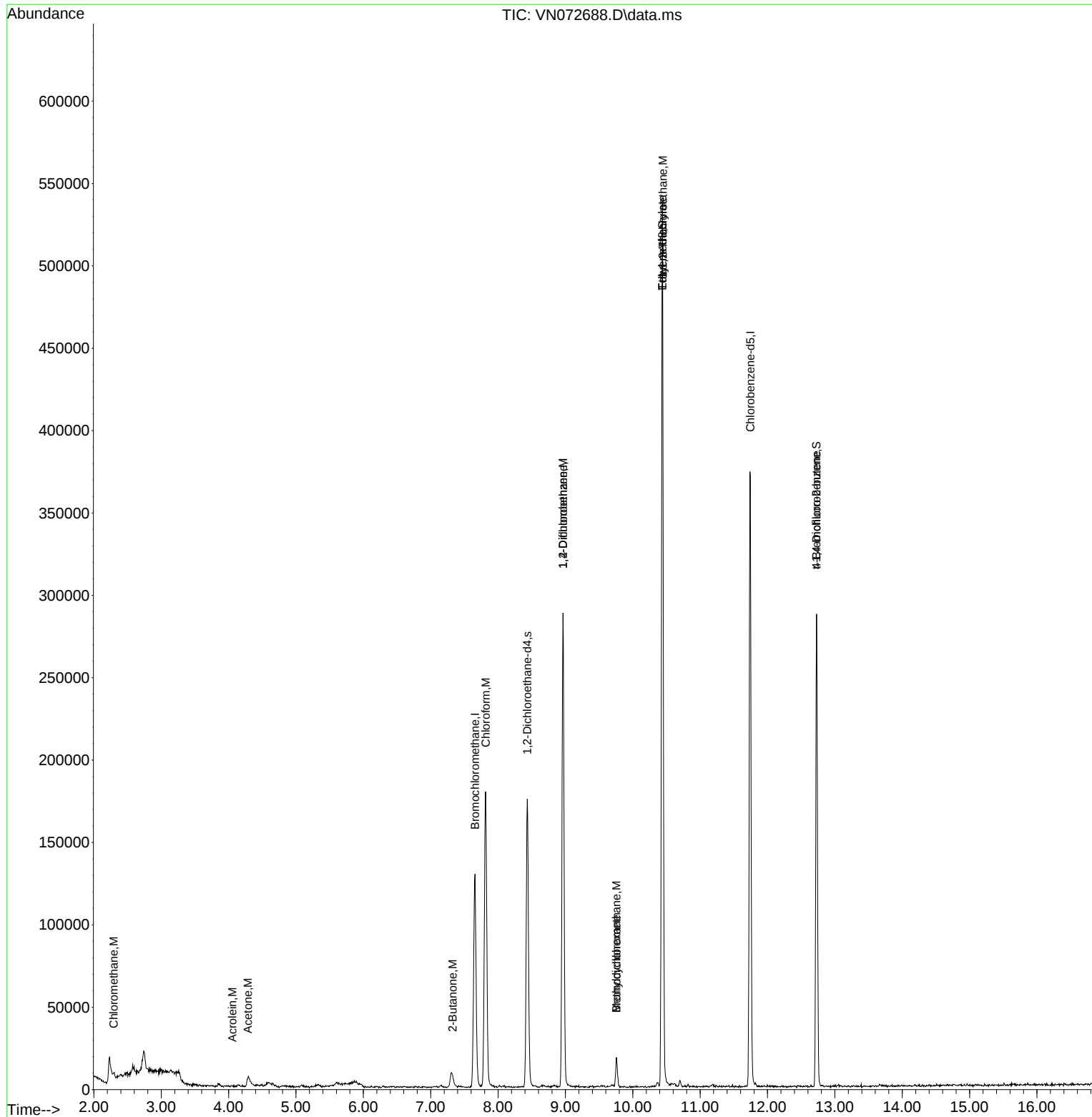
Internal Standards						
1) Bromochloromethane	7.657	128	41309	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	238557	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	204538	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	146935	31.189	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.967%
60) 4-Bromofluorobenzene	12.727	95	101569	24.144	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.467%
63) Toluene-d8	10.439	98	354187	31.260	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	104.200%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	874	0.260	ug/l #	86
13) Acrolein	4.057	56	294	0.596	ug/l	84
15) Acetone	4.287	58	3157	5.080	ug/l #	53
25) Chloroform	7.816	83	172366	25.865	ug/l	96
30) 2-Butanone	7.328	43	1198	0.364	ug/l #	53
36) 1,2-Dichloroethane	8.963	62	10169	1.789	ug/l #	77
38) Methylcyclohexane	9.757	83	11645	2.145	ug/l #	21
41) Bromodichloromethane	9.757	83	11645	2.146	ug/l #	94
50) 1,1,2-Trichloroethane	10.445	97	10458	2.915	ug/l #	1
51) Ethyl methacrylate	10.439	69	1346	0.207	ug/l #	65
77) t-1,4-Dichloro-2-butene	12.727	75	57258	29.704	ug/l #	8

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

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14B-2

Quant Time: Jun 08 09:52:15 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

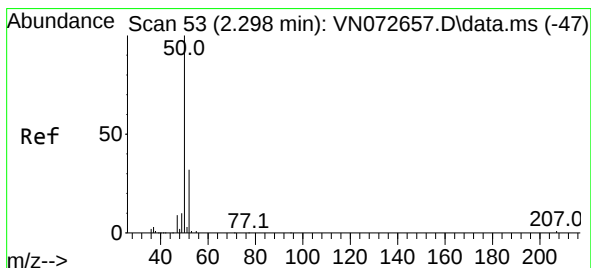
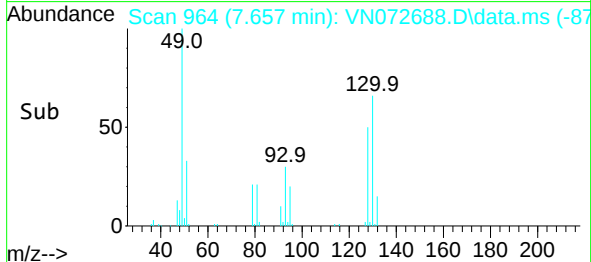
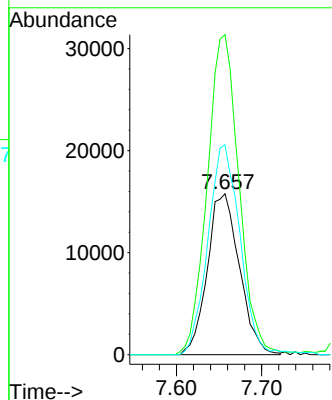
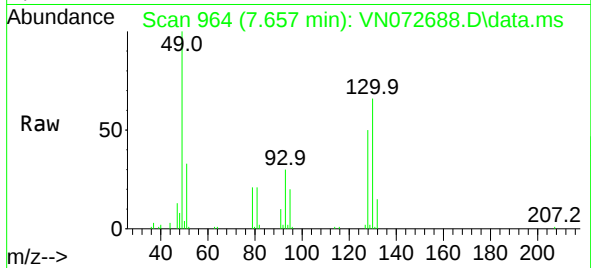




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

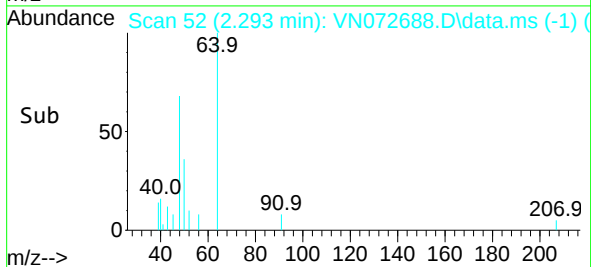
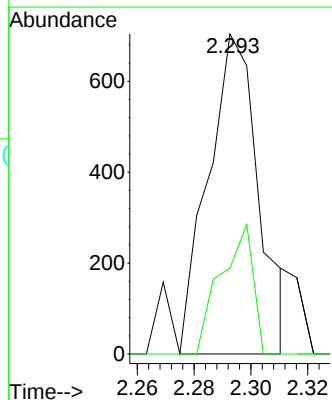
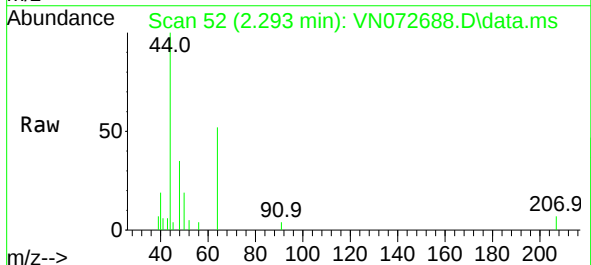
Instrument :
MSVOA_N
ClientSampleId :
14B-2

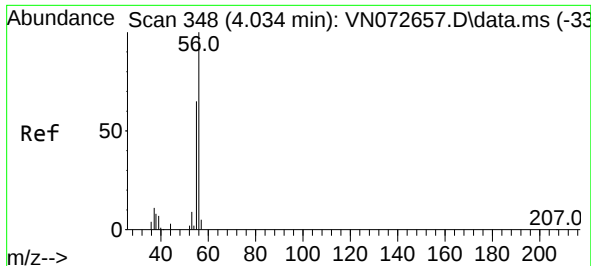
Tgt Ion:128 Resp: 41309
Ion Ratio Lower Upper
128 100
49 196.6 0.0 392.3
130 130.8 0.0 320.2



#3
Chloromethane
Concen: 0.260 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

Tgt Ion: 50 Resp: 874
Ion Ratio Lower Upper
50 100
52 26.8 27.8 41.6#

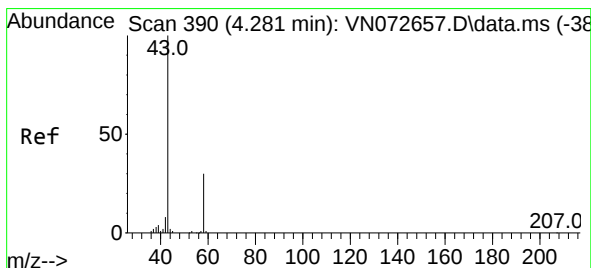
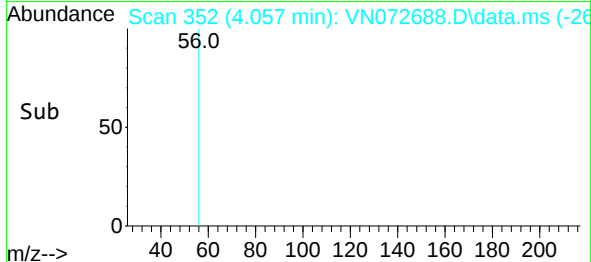
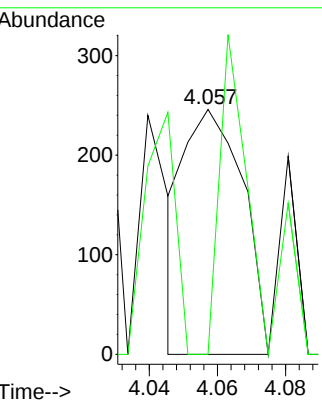
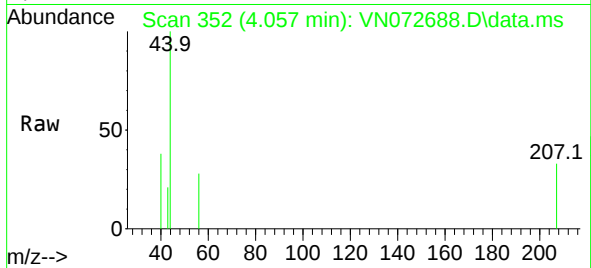




#13
Acrolein
Concen: 0.596 ug/l
RT: 4.057 min Scan# 31
Delta R.T. 0.024 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

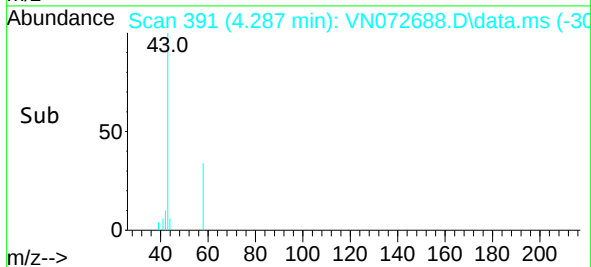
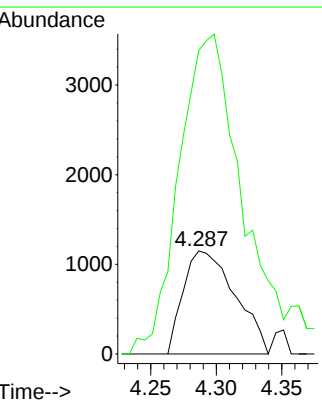
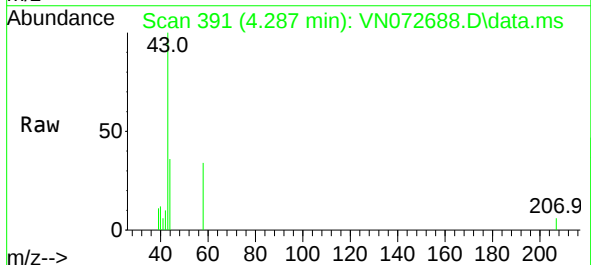
Instrument :
MSVOA_N
ClientSampleId :
14B-2

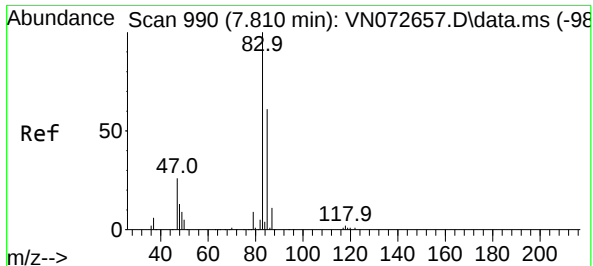
Tgt Ion: 56 Resp: 294
Ion Ratio Lower Upper
56 100
55 58.5 57.6 86.4



#15
Acetone
Concen: 5.080 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

Tgt Ion: 58 Resp: 3157
Ion Ratio Lower Upper
58 100
43 223.5 256.6 384.8#

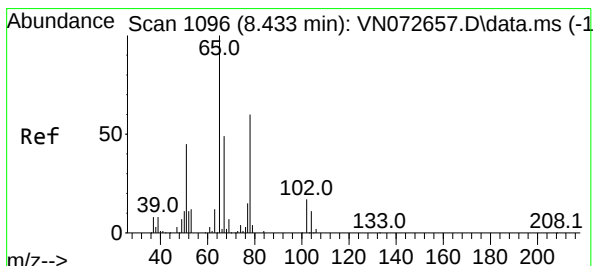
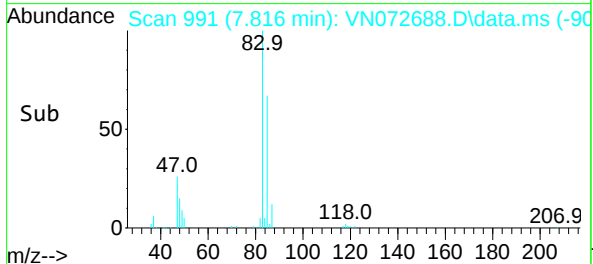
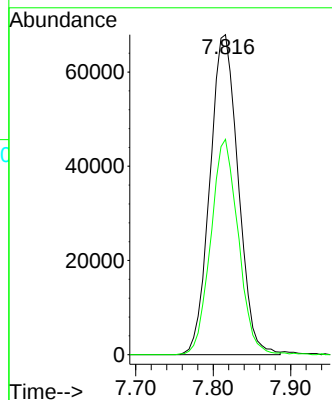
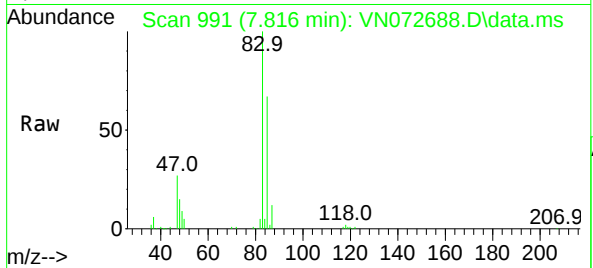




#25
Chloroform
Concen: 25.865 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

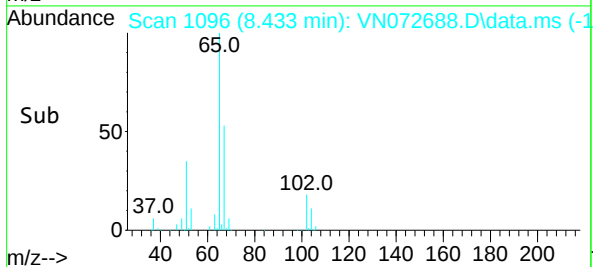
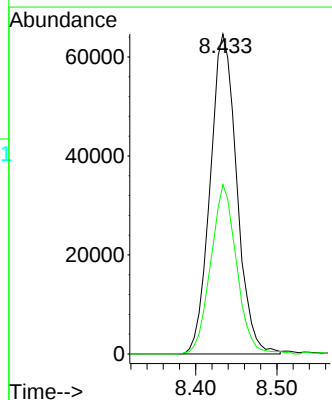
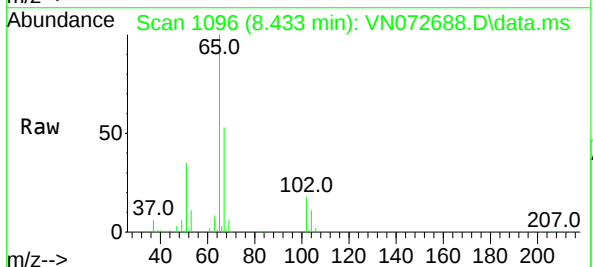
Instrument :
MSVOA_N
ClientSampleId :
14B-2

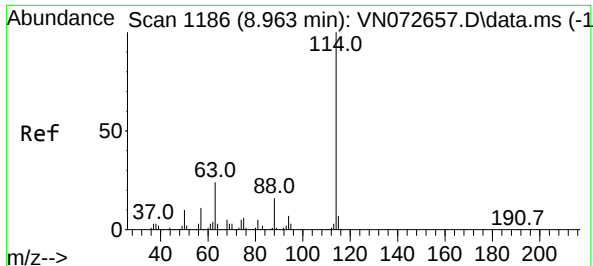
Tgt Ion: 83 Resp: 172366
Ion Ratio Lower Upper
83 100
85 67.1 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 31.189 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

Tgt Ion: 65 Resp: 146935
Ion Ratio Lower Upper
65 100
67 51.2 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: VN072688.D

Acq: 07 Jun 2022 15:18

Instrument :

MSVOA_N

ClientSampleId :

14B-2

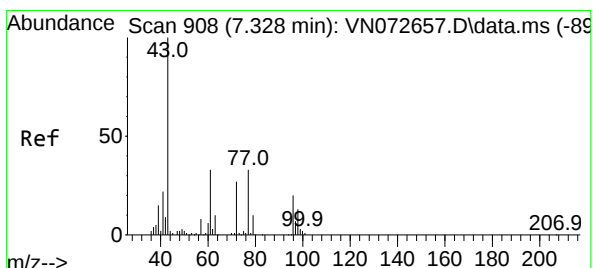
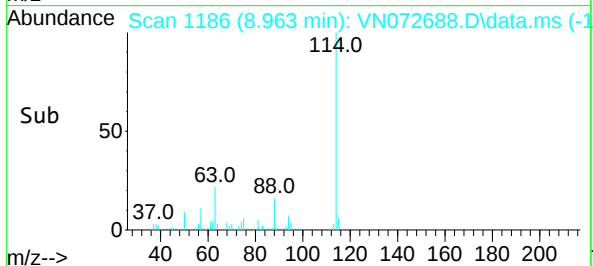
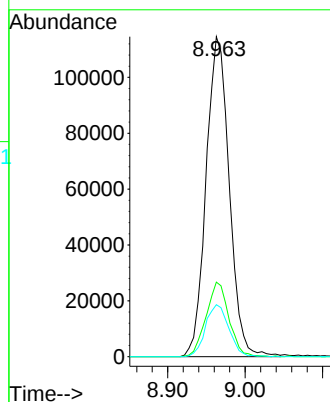
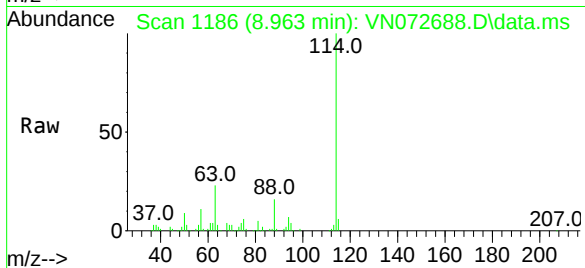
Tgt Ion:114 Resp: 238557

Ion Ratio Lower Upper

114 100

63 22.9 15.8 23.6

88 16.3 11.6 17.4



#30

2-Butanone

Concen: 0.364 ug/l

RT: 7.328 min Scan# 908

Delta R.T. 0.000 min

Lab File: VN072688.D

Acq: 07 Jun 2022 15:18

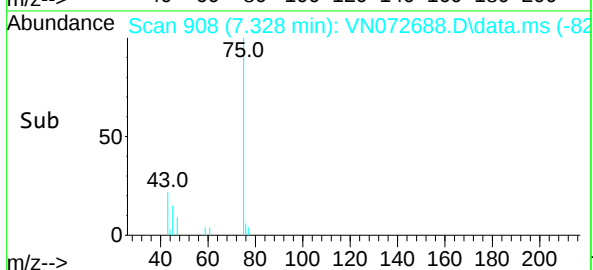
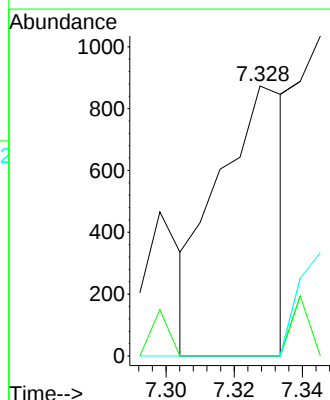
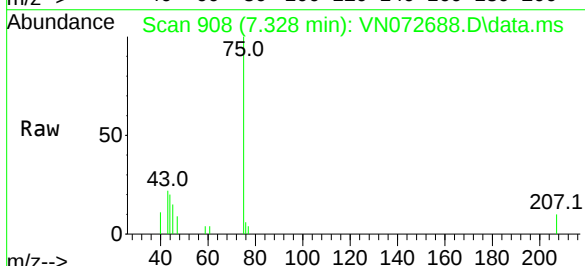
Tgt Ion: 43 Resp: 1198

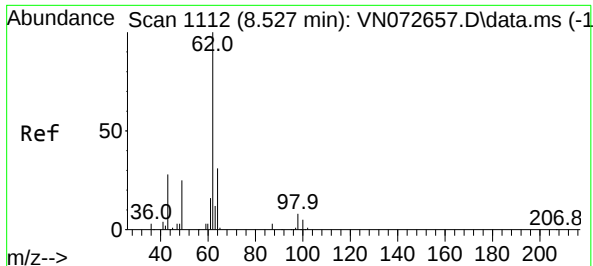
Ion Ratio Lower Upper

43 100

57 0.0 6.7 10.1#

72 0.0 23.2 34.8#

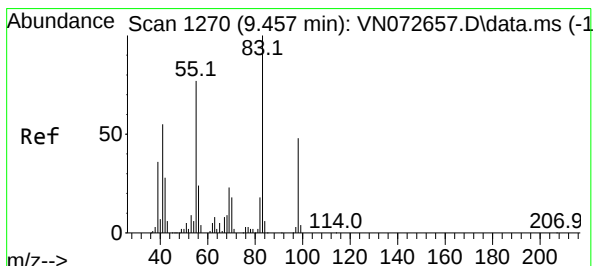
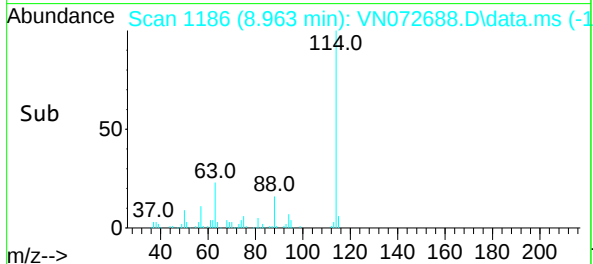
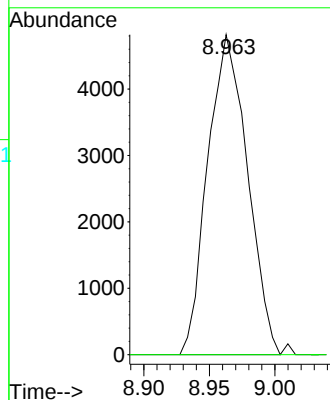
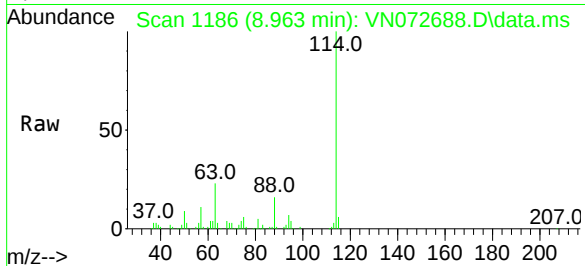




#36
1,2-Dichloroethane
Concen: 1.789 ug/l
RT: 8.963 min Scan# 1112
Delta R.T. 0.435 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

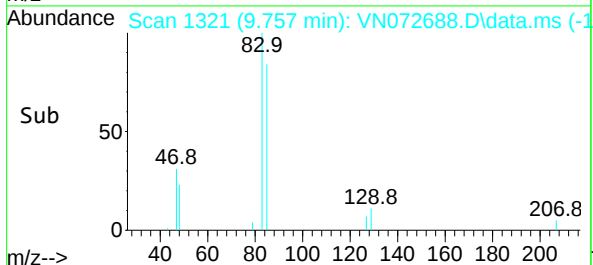
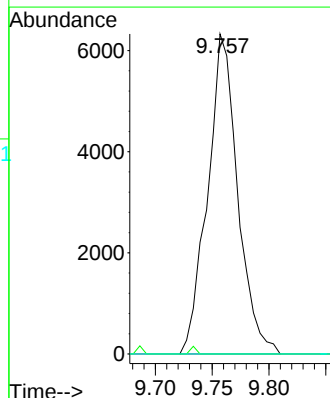
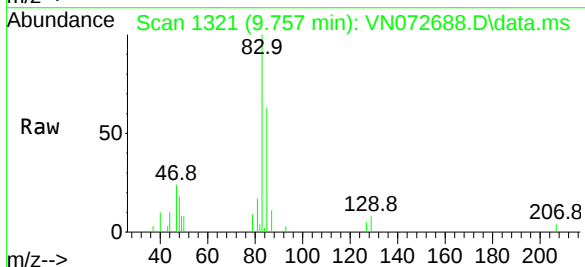
Instrument :
MSVOA_N
ClientSampleId :
14B-2

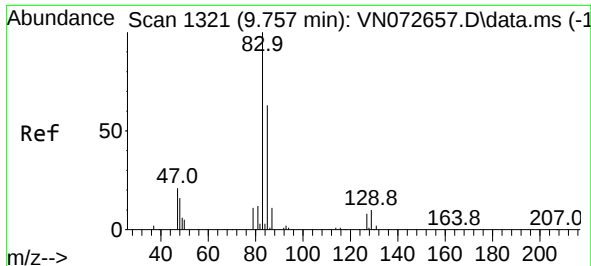
Tgt Ion: 62 Resp: 10169
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#



#38
Methylcyclohexane
Concen: 2.145 ug/l
RT: 9.757 min Scan# 1321
Delta R.T. 0.300 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

Tgt Ion: 83 Resp: 11645
Ion Ratio Lower Upper
83 100
55 0.0 35.1 105.3#
98 0.0 23.4 70.2#

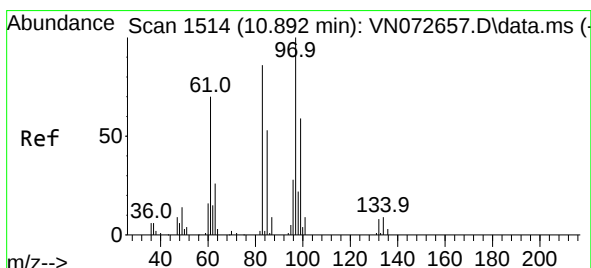
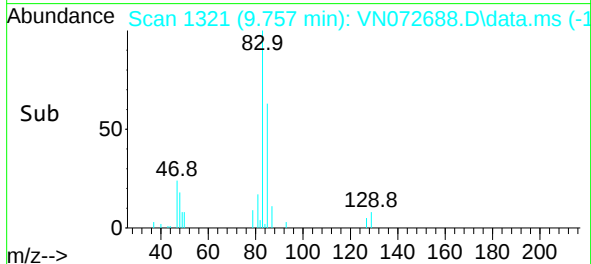
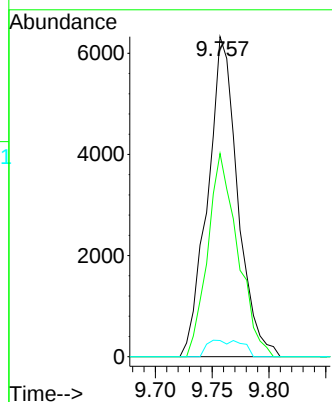
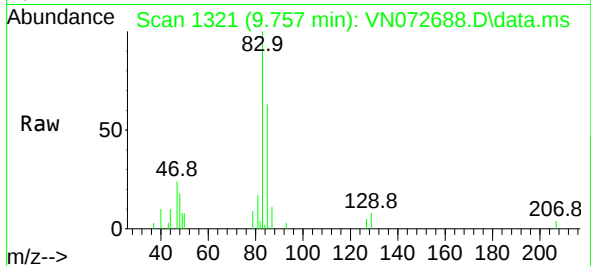




#41
Bromodichloromethane
Concen: 2.146 ug/l
RT: 9.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

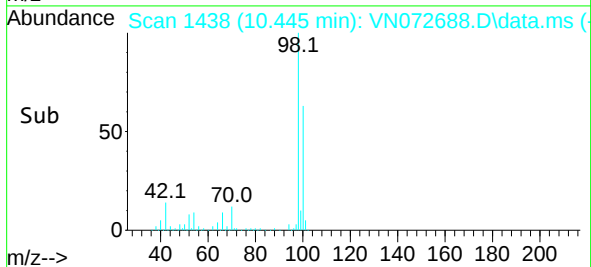
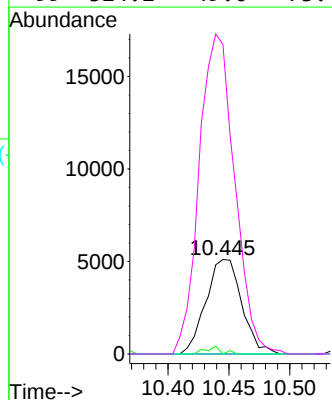
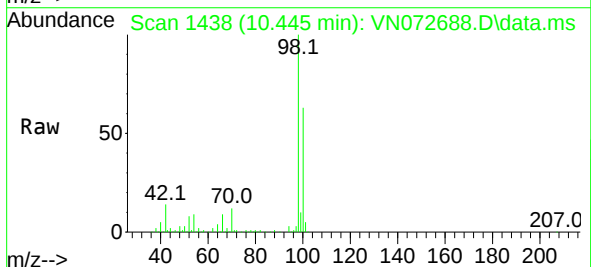
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MSVOA_N
ClientSampleId :
14B-2

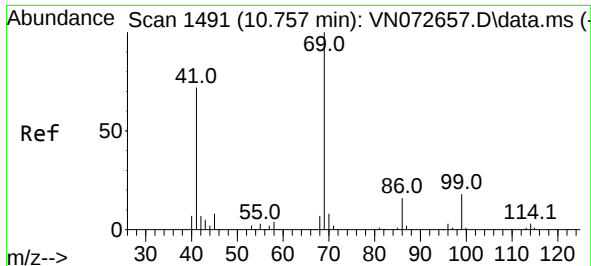
Tgt Ion: 83 Resp: 11645
Ion Ratio Lower Upper
83 100
85 63.5 54.1 81.1
127 5.0 7.6 11.4#



#50
1,1,2-Trichloroethane
Concen: 2.915 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

Tgt Ion: 97 Resp: 10458
Ion Ratio Lower Upper
97 100
83 0.0 67.2 100.8#
85 0.0 43.0 64.4#
99 324.2 49.0 73.4#

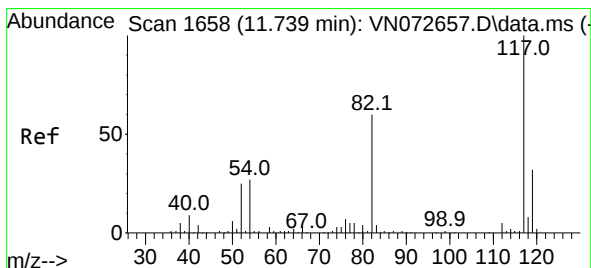
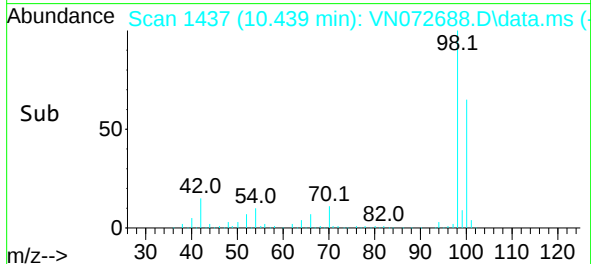
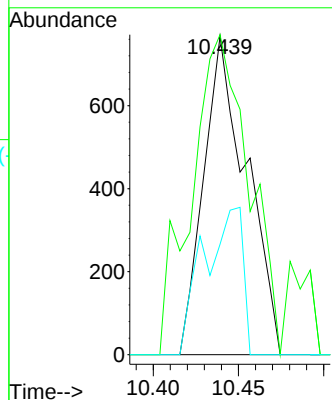
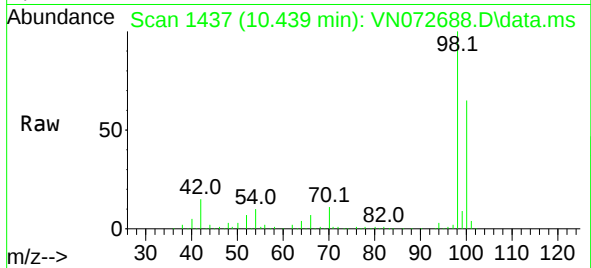




#51
Ethyl methacrylate
Concen: 0.207 ug/l
RT: 10.439 min Scan# 1491
Delta R.T. -0.318 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

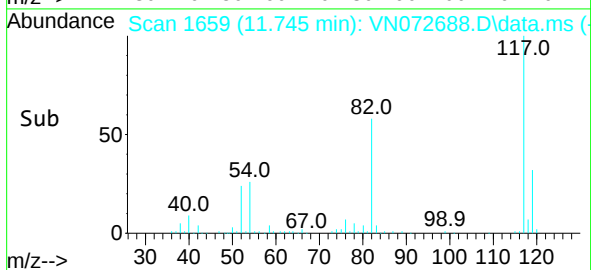
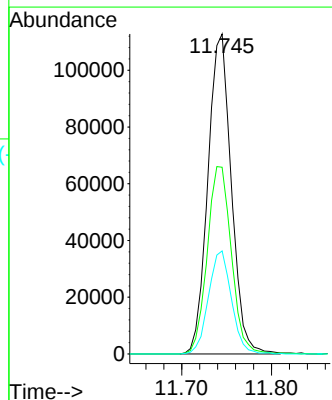
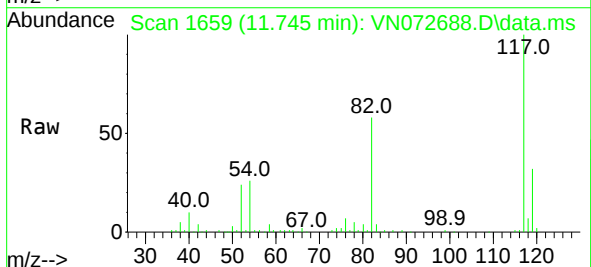
Instrument :
MSVOA_N
ClientSampleId :
14B-2

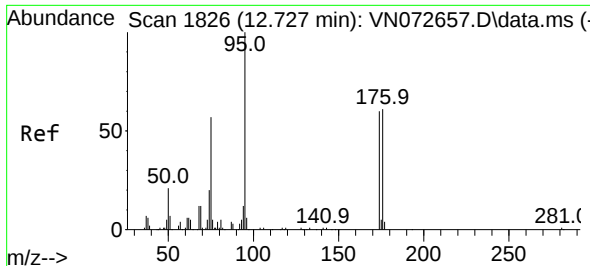
Tgt Ion:	69	Resp:	1346
Ion	Ratio	Lower	Upper
69	100		
41	100.5	33.0	98.9#
39	34.7	25.4	76.4



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

Tgt Ion:	117	Resp:	204538
Ion	Ratio	Lower	Upper
117	100		
82	60.3	43.6	65.4
119	31.5	25.8	38.6

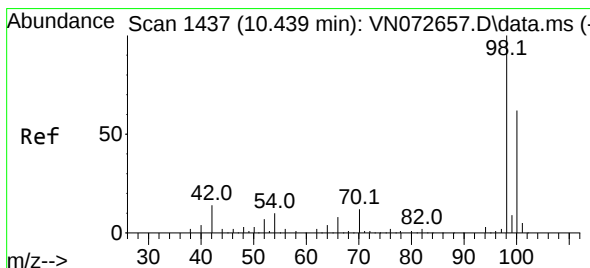
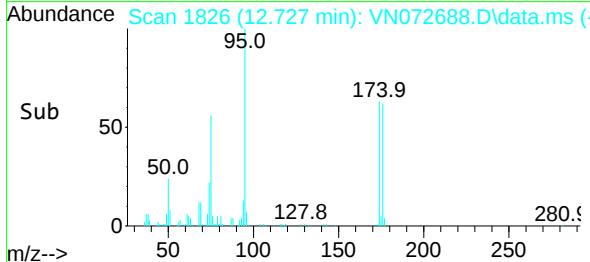
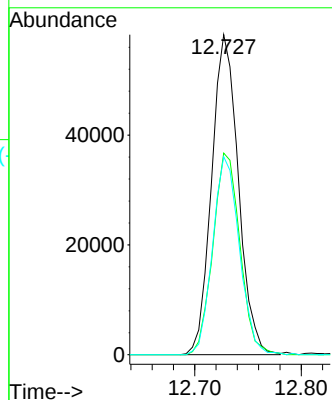
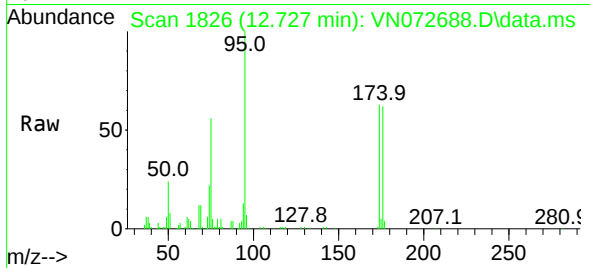




#60
4-Bromofluorobenzene
Concen: 24.144 ug/l
RT: 12.727 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

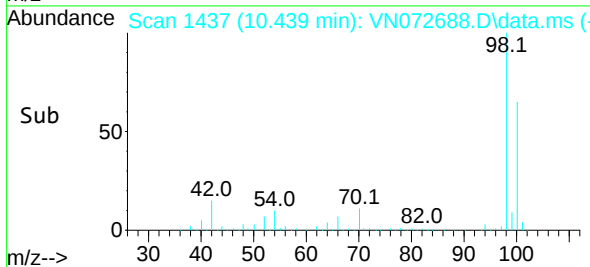
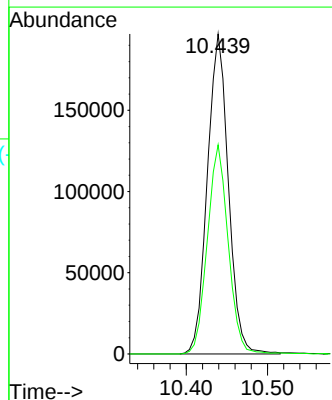
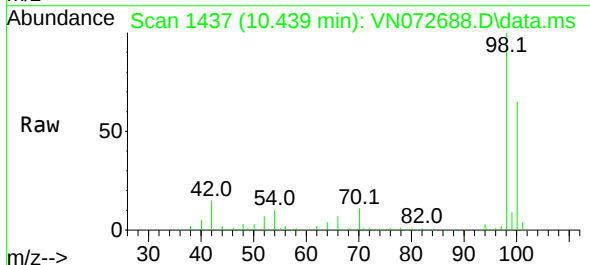
Instrument :
MSVOA_N
ClientSampleId :
14B-2

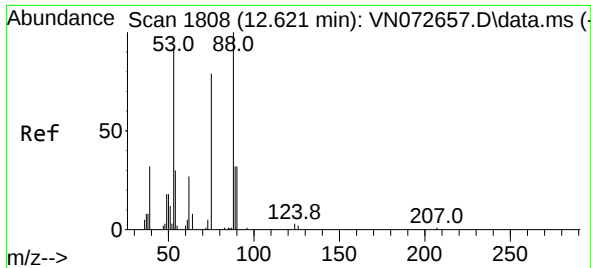
Tgt Ion: 95 Resp: 101569
Ion Ratio Lower Upper
95 100
174 63.6 62.9 94.3
176 61.6 61.0 91.4



#63
Toluene-d8
Concen: 31.260 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072688.D
Acq: 07 Jun 2022 15:18

Tgt Ion: 98 Resp: 354187
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0





#77

t-1,4-Dichloro-2-butene

Concen: 29.704 ug/l

RT: 12.727 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN072688.D

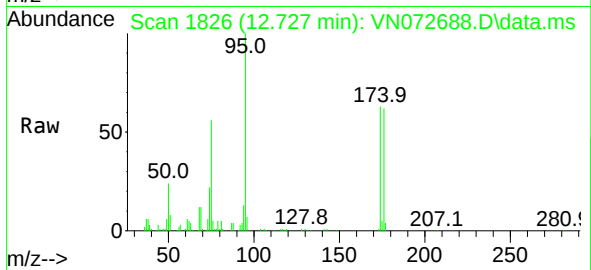
Acq: 07 Jun 2022 15:18

Instrument :

MSVOA_N

ClientSampleId :

14B-2



Tgt Ion: 75 Resp: 57258

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

