

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072689.D
 Acq On : 07 Jun 2022 15:42
 Operator : JC\MD
 Sample : N3198-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Jun 08 09:52:25 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)

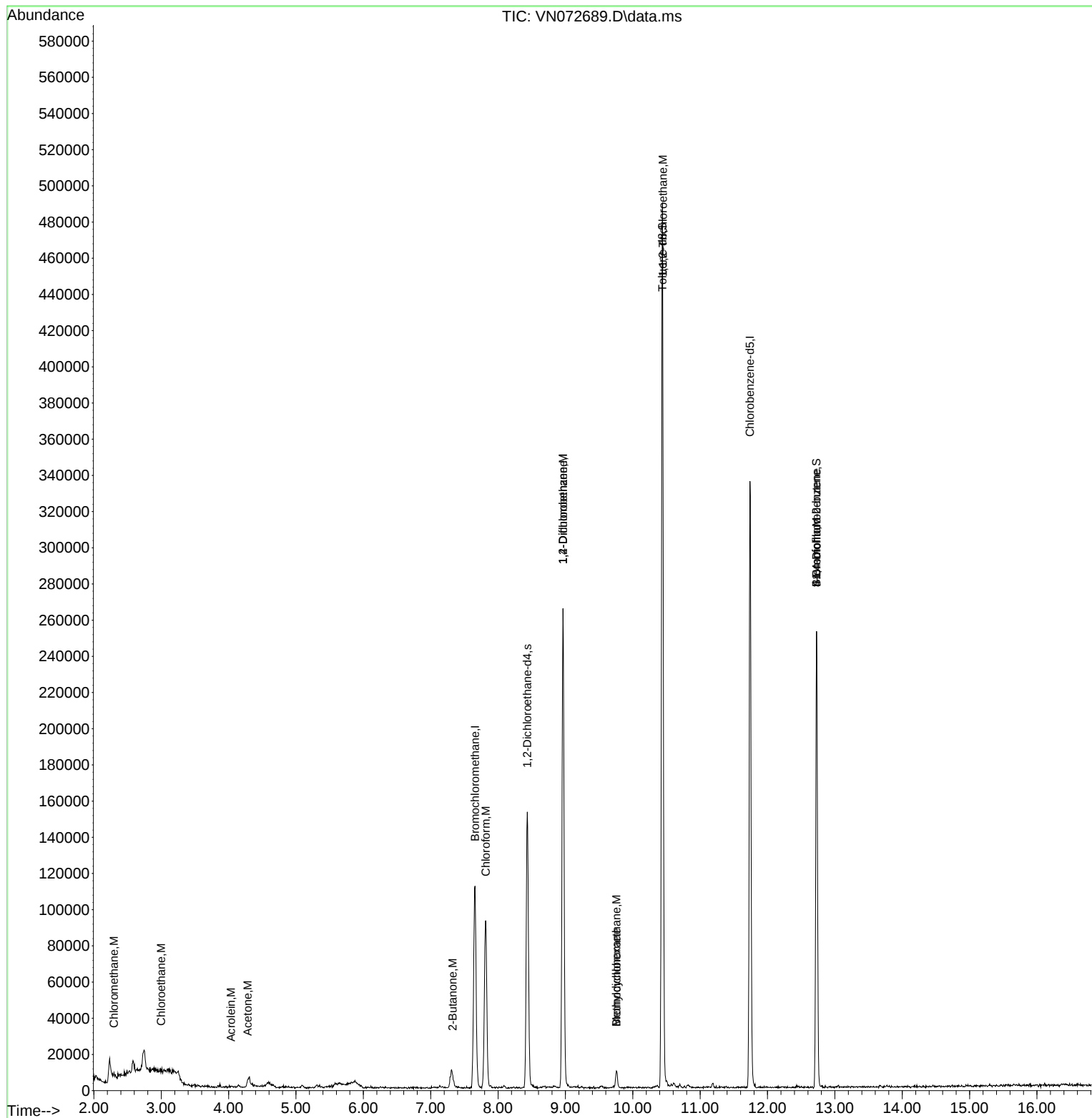
Internal Standards						
1) Bromochloromethane	7.657	128	36617	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	219241	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	183112	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	128549	30.782	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.600%
60) 4-Bromofluorobenzene	12.727	95	90380	23.998	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	80.000%
63) Toluene-d8	10.439	98	327115	32.248	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	107.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	838	0.281	ug/l	95
6) Chloroethane	2.999	64	510	0.284	ug/l #	44
13) Acrolein	4.034	56	164	0.375	ug/l	96
15) Acetone	4.281	58	1038	1.884	ug/l #	17
25) Chloroform	7.816	83	86690	14.675	ug/l	96
30) 2-Butanone	7.328	43	682	0.225	ug/l #	85
36) 1,2-Dichloroethane	8.963	62	8933	1.710	ug/l #	77
38) Methylcyclohexane	9.757	83	7027	1.408	ug/l #	21
41) Bromodichloromethane	9.757	83	7027	1.409	ug/l #	87
50) 1,1,2-Trichloroethane	10.445	97	9335	2.832	ug/l #	1
56) Bromoform	12.727	173	591	0.233	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.727	75	52082	30.180	ug/l #	8

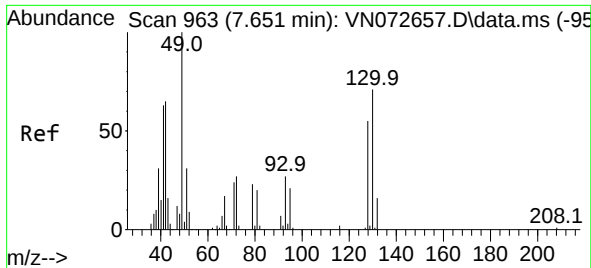
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 08 09:52:25 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

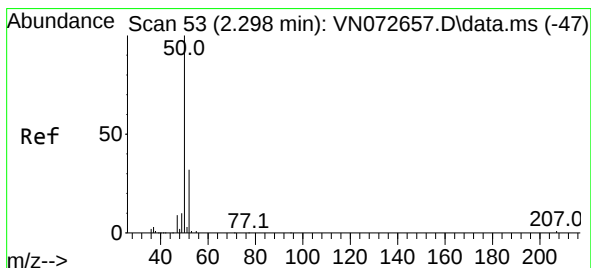
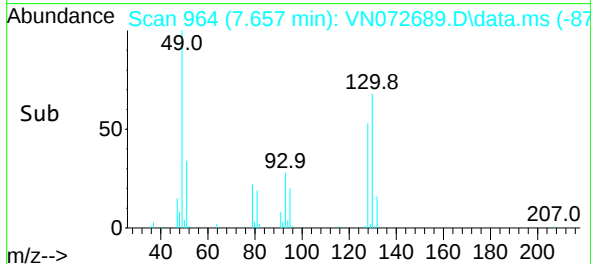
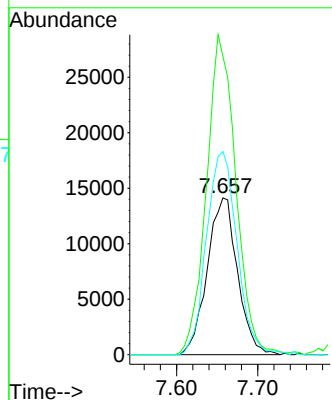
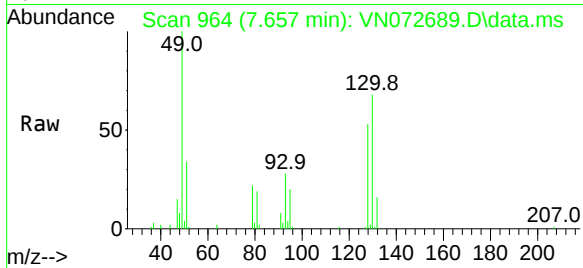




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

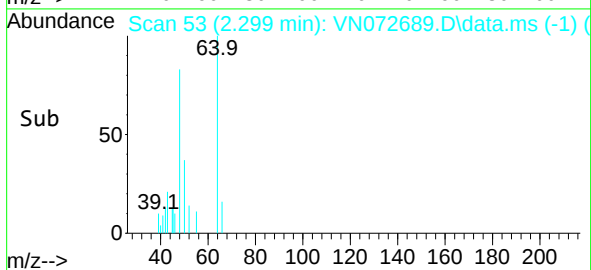
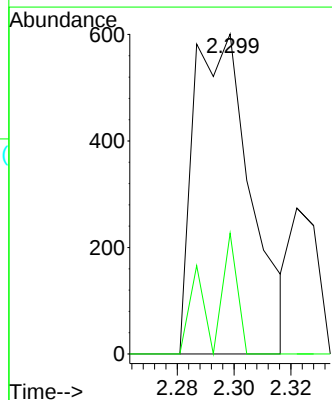
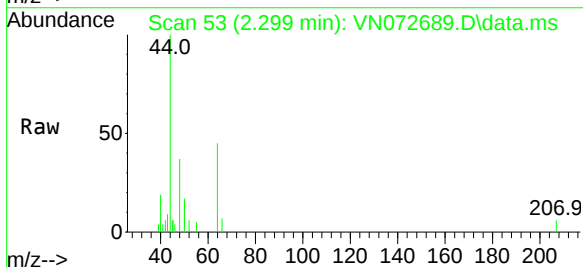
Instrument :
MSVOA_N
ClientSampleId :
14B-3

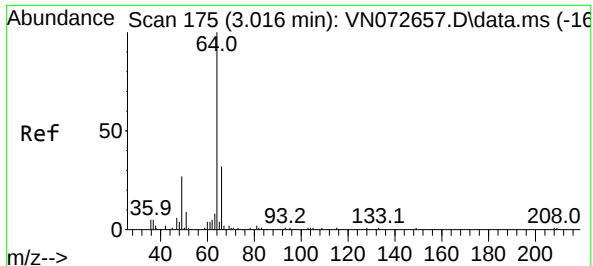
Tgt Ion:128 Resp: 36617
Ion Ratio Lower Upper
128 100
49 197.7 0.0 392.3
130 130.3 0.0 320.2



#3
Chloromethane
Concen: 0.281 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

Tgt Ion: 50 Resp: 838
Ion Ratio Lower Upper
50 100
52 37.8 27.8 41.6

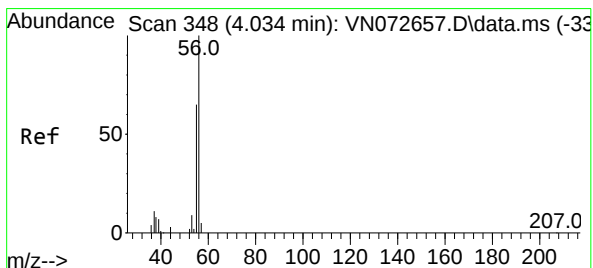
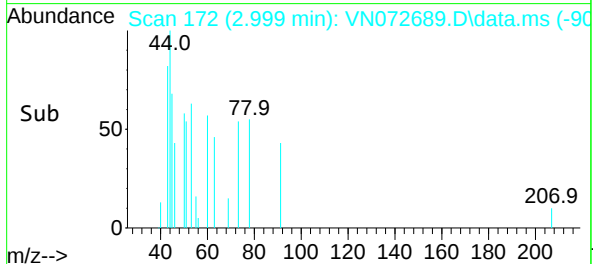
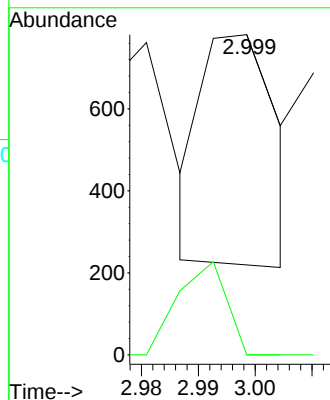
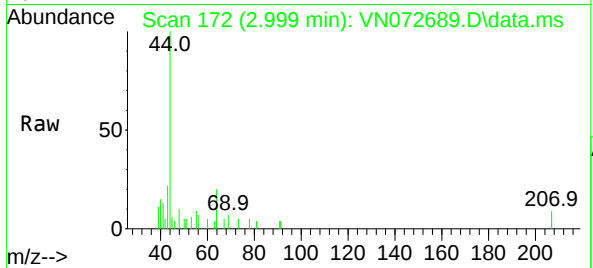




#6
Chloroethane
Concen: 0.284 ug/l
RT: 2.999 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

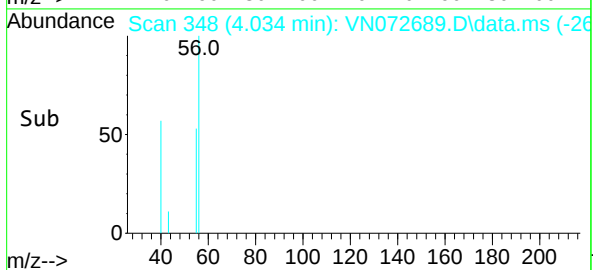
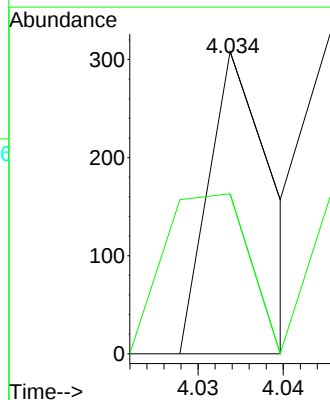
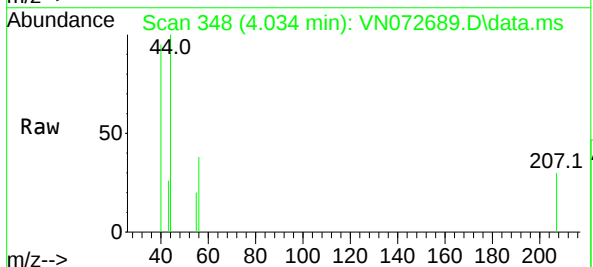
Instrument :
MSVOA_N
ClientSampleId :
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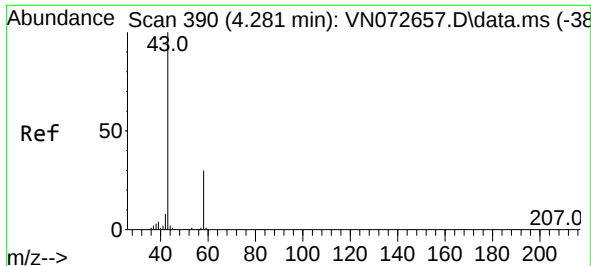
Tgt Ion: 64 Resp: 510
Ion Ratio Lower Upper
64 100
66 0.0 24.6 36.8#



#13
Acrolein
Concen: 0.375 ug/l
RT: 4.034 min Scan# 348
Delta R.T. 0.000 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

Tgt Ion: 56 Resp: 164
Ion Ratio Lower Upper
56 100
55 68.9 57.6 86.4

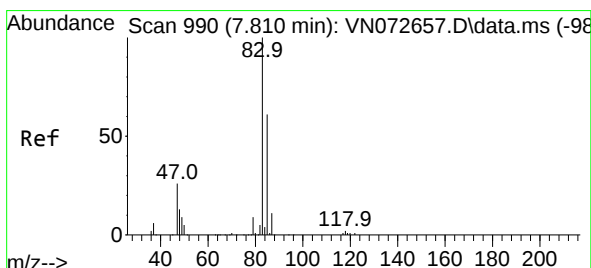
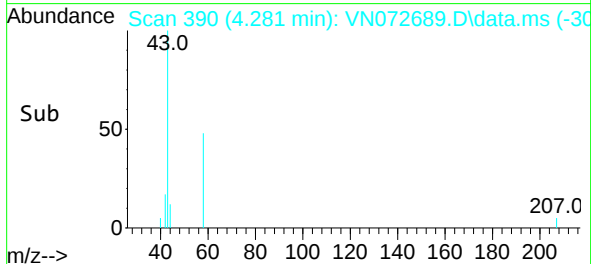
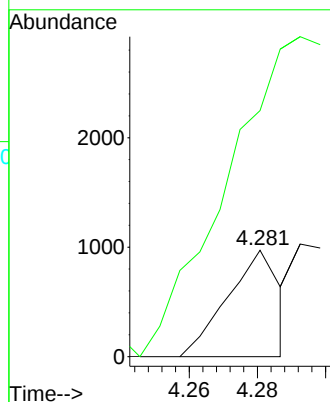
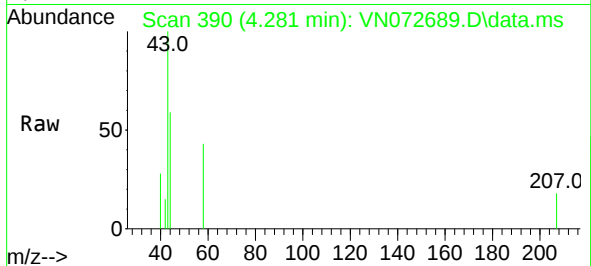




#15
Acetone
Concen: 1.884 ug/l
RT: 4.281 min Scan# 390
Delta R.T. 0.000 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

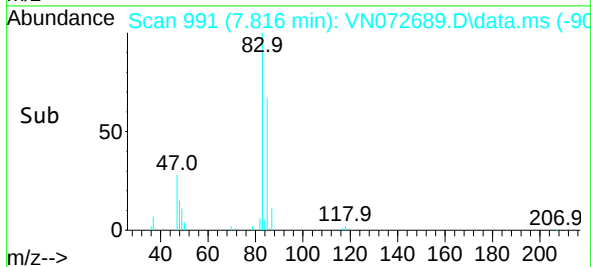
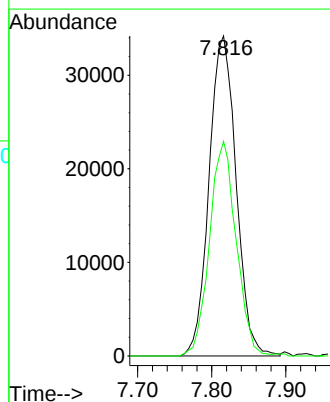
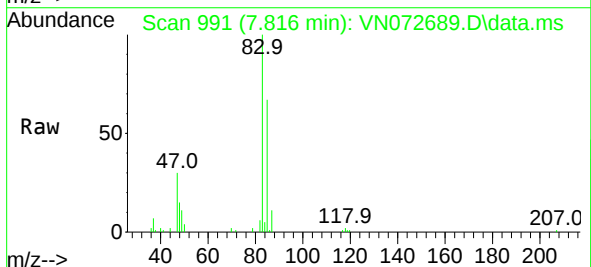
Instrument :
MSVOA_N
ClientSampleId :
14B-3

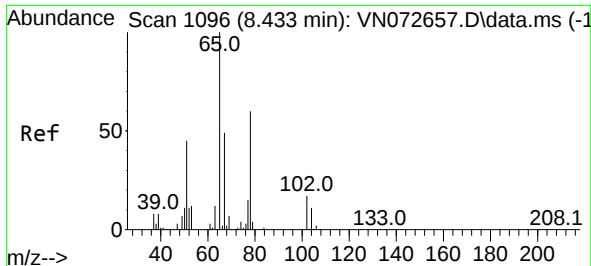
Tgt Ion: 58 Resp: 1038
Ion Ratio Lower Upper
58 100
43 150.3 256.6 384.8#



#25
Chloroform
Concen: 14.675 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

Tgt Ion: 83 Resp: 86690
Ion Ratio Lower Upper
83 100
85 67.1 51.3 76.9

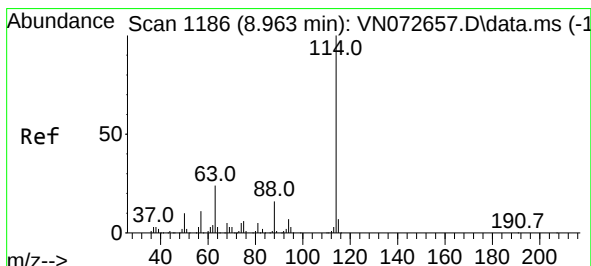
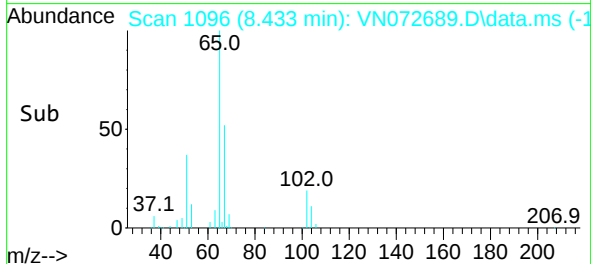
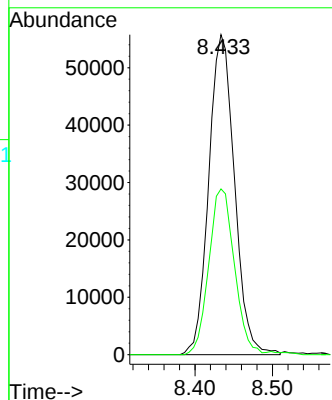
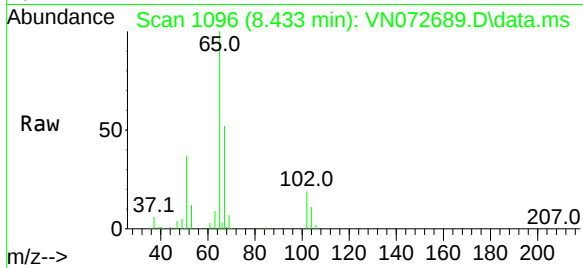




#27
 1,2-Dichloroethane-d4
 Concen: 30.782 ug/l
 RT: 8.433 min Scan# 1096
 Delta R.T. 0.000 min
 Lab File: VN072689.D
 Acq: 07 Jun 2022 15:42

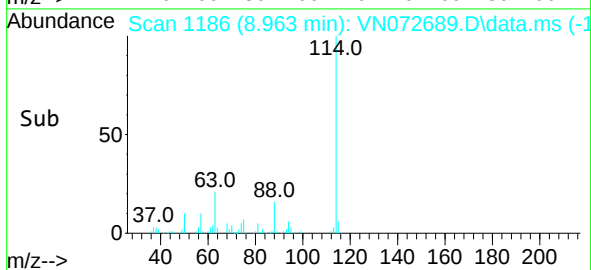
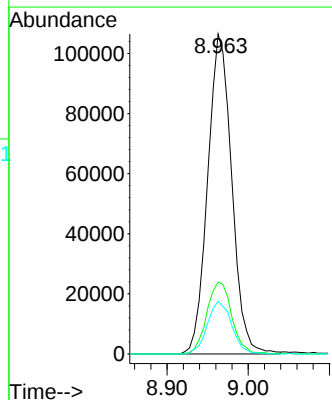
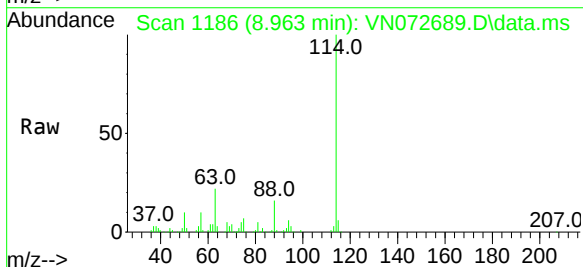
Instrument :
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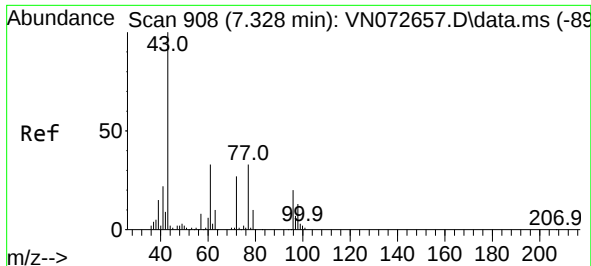
Tgt Ion: 65 Resp: 128549
 Ion Ratio Lower Upper
 65 100
 67 51.5 40.2 60.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.963 min Scan# 1186
 Delta R.T. 0.000 min
 Lab File: VN072689.D
 Acq: 07 Jun 2022 15:42

Tgt Ion: 114 Resp: 219241
 Ion Ratio Lower Upper
 114 100
 63 23.2 15.8 23.6
 88 16.6 11.6 17.4

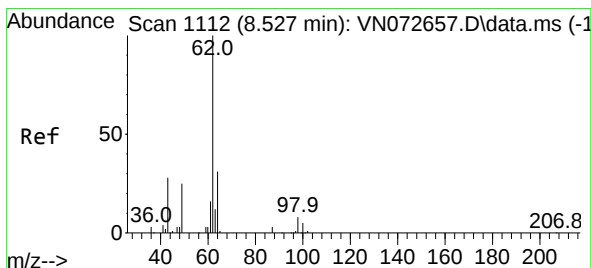
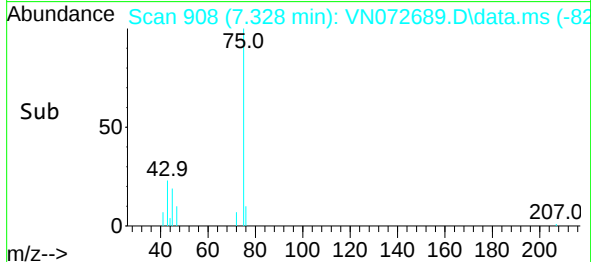
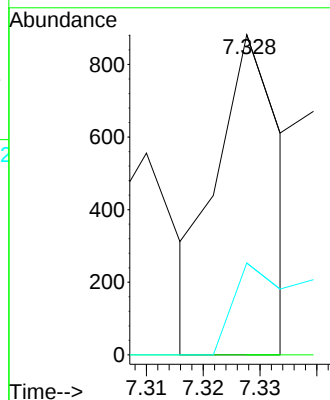
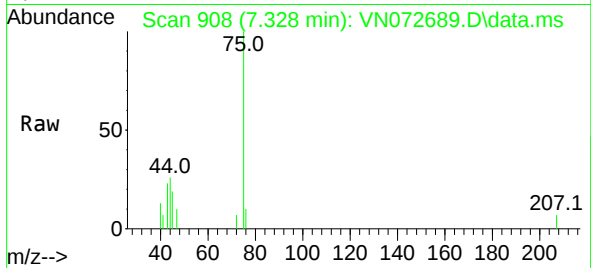




#30
2-Butanone
Concen: 0.225 ug/l
RT: 7.328 min Scan# 90
Delta R.T. 0.000 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

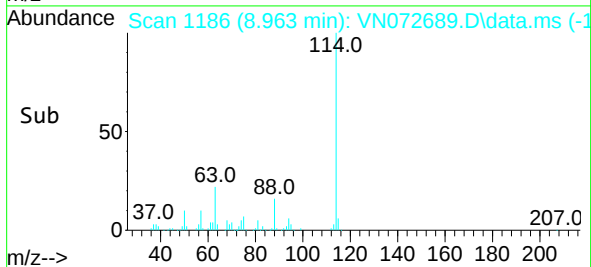
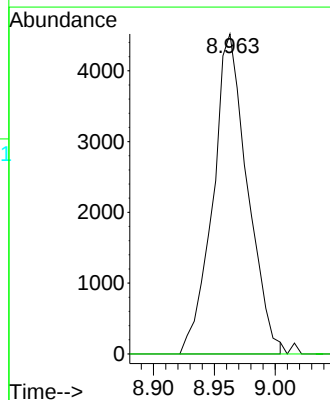
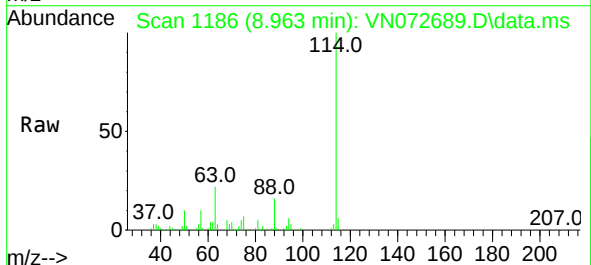
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ClientSampleId :
14B-3

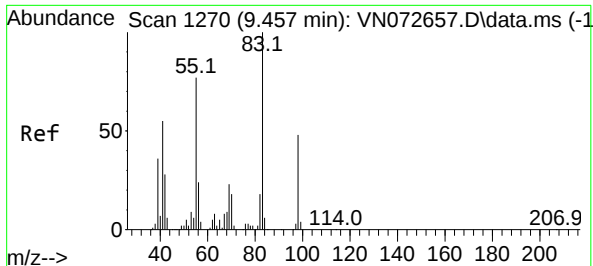
Tgt Ion: 43 Resp: 682
Ion Ratio Lower Upper
43 100
57 0.0 6.7 10.1#
72 22.4 23.2 34.8#



#36
1,2-Dichloroethane
Concen: 1.710 ug/l
RT: 8.963 min Scan# 1186
Delta R.T. 0.435 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

Tgt Ion: 62 Resp: 8933
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

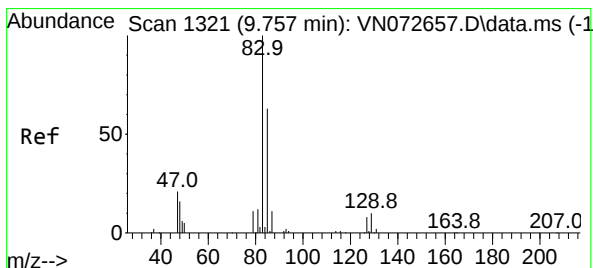
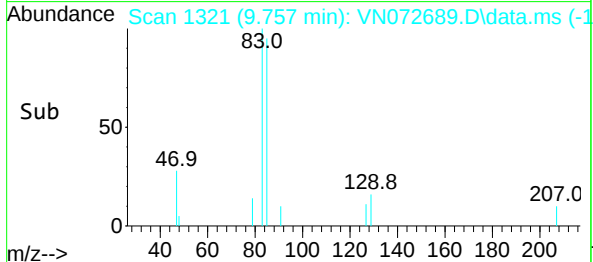
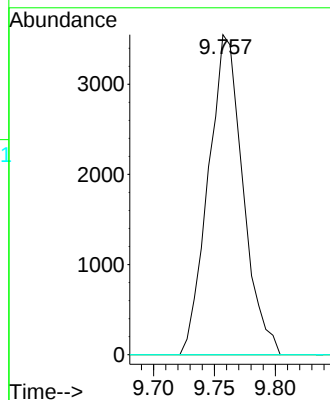
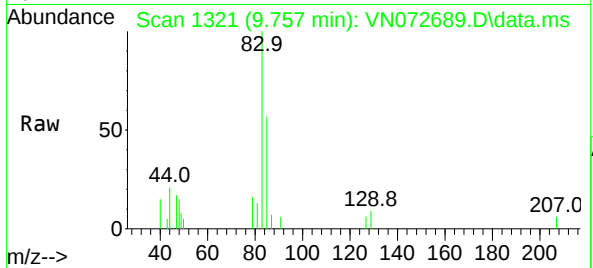




#38
Methylcyclohexane
Concen: 1.408 ug/l
RT: 9.757 min Scan# 1321
Delta R.T. 0.300 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

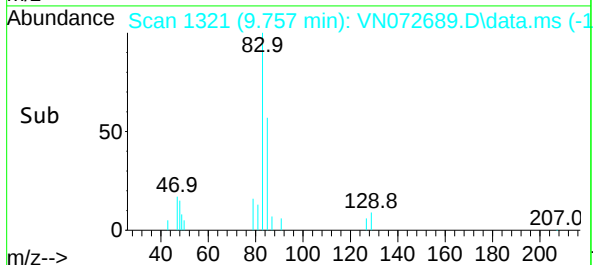
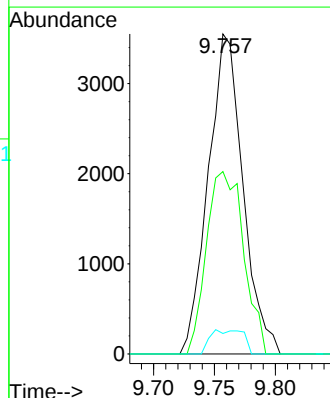
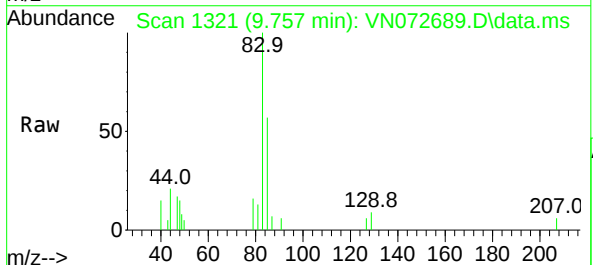
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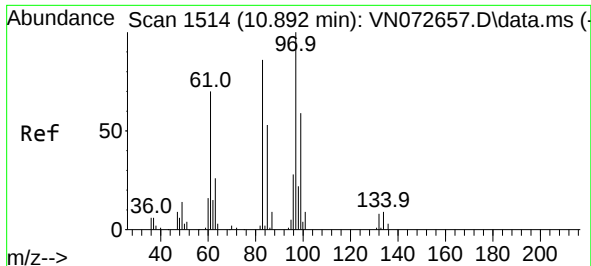
Tgt Ion: 83 Resp: 7027
Ion Ratio Lower Upper
83 100
55 0.0 35.1 105.3#
98 0.0 23.4 70.2#



#41
Bromodichloromethane
Concen: 1.409 ug/l
RT: 9.757 min Scan# 1321
Delta R.T. 0.000 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

Tgt Ion: 83 Resp: 7027
Ion Ratio Lower Upper
83 100
85 57.0 54.1 81.1
127 6.4 7.6 11.4#

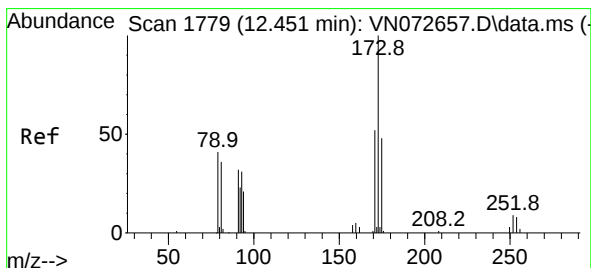
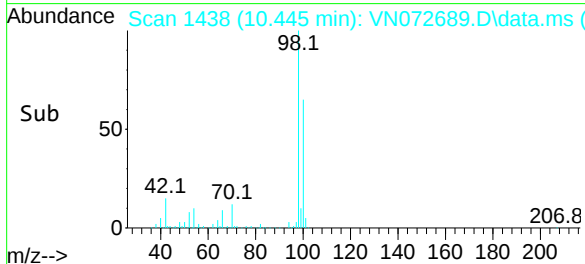
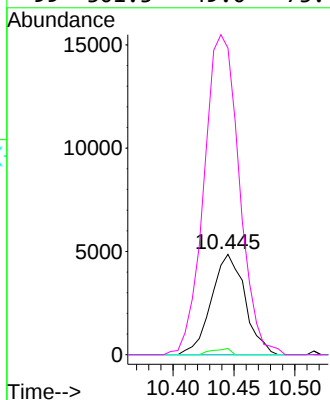
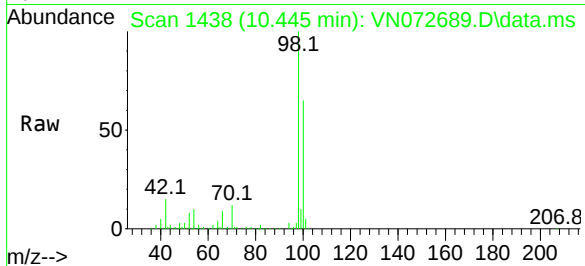




#50
1,1,2-Trichloroethane
Concen: 2.832 ug/l
RT: 10.445 min Scan# 14
Delta R.T. -0.447 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

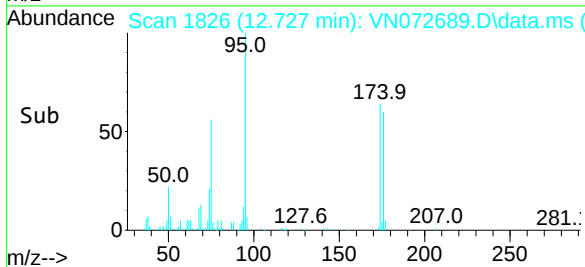
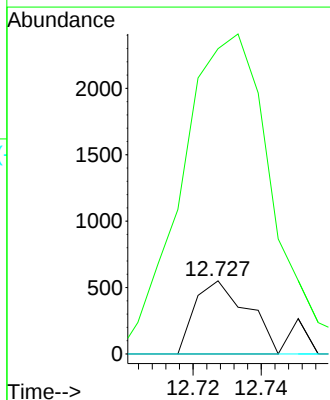
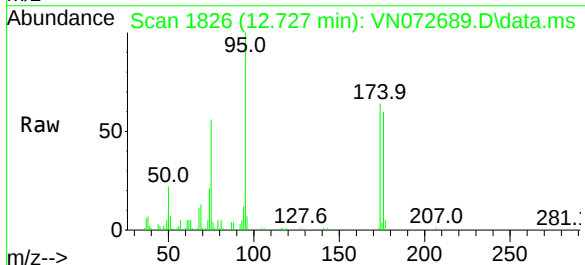
Instrument :
MSVOA_N
ClientSampleId :
14B-3

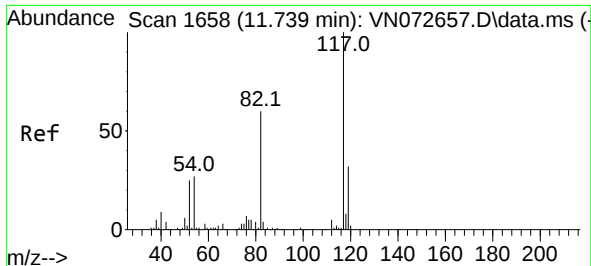
Tgt Ion: 97	Resp:	9335
Ion Ratio	Lower	Upper
97	100	
83	6.3	67.2 100.8#
85	0.0	43.0 64.4#
99	301.3	49.0 73.4#



#56
Bromoform
Concen: 0.233 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.277 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

Tgt Ion: 173	Resp:	591
Ion Ratio	Lower	Upper
173	100	
175	751.6	38.6 58.0#
254	0.0	0.0 0.0

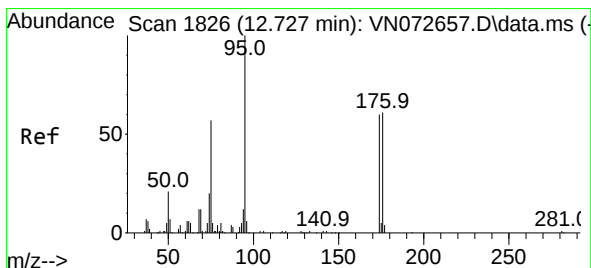
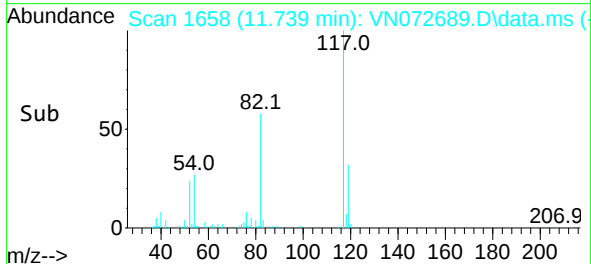
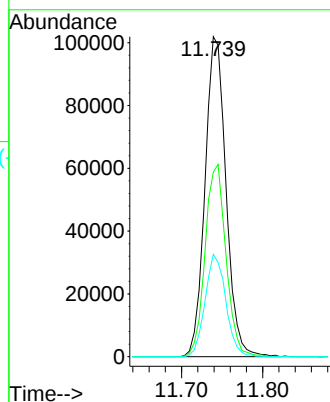
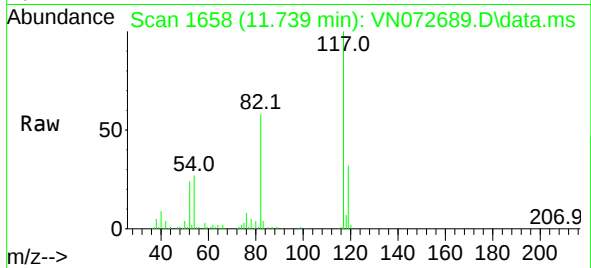




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

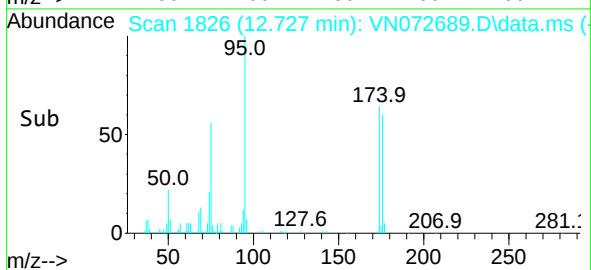
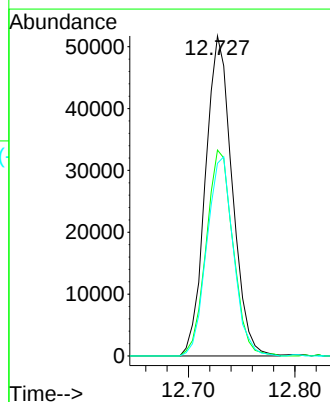
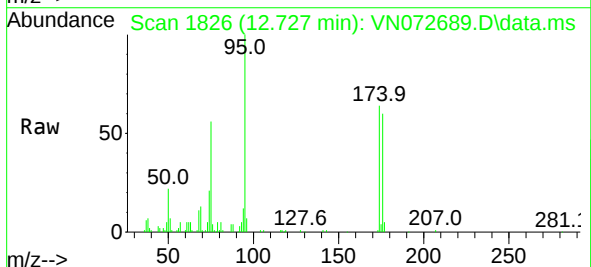
Instrument :
MSVOA_N
ClientSampleId :
14B-3

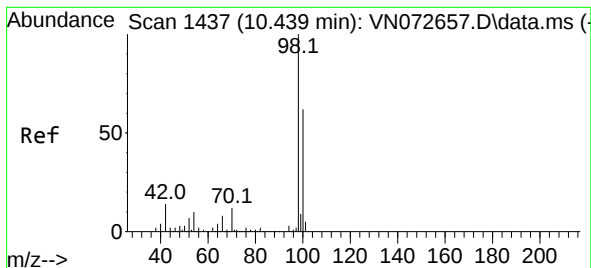
Tgt Ion:117 Resp: 183112
Ion Ratio Lower Upper
117 100
82 59.8 43.6 65.4
119 31.6 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 23.998 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072689.D
Acq: 07 Jun 2022 15:42

Tgt Ion: 95 Resp: 90380
Ion Ratio Lower Upper
95 100
174 64.3 62.9 94.3
176 61.6 61.0 91.4





#63

Toluene-d8

Concen: 32.248 ug/l

RT: 10.439 min Scan# 1437

Delta R.T. 0.000 min

Lab File: VN072689.D

Acq: 07 Jun 2022 15:42

Instrument :

MSVOA_N

ClientSampleId :

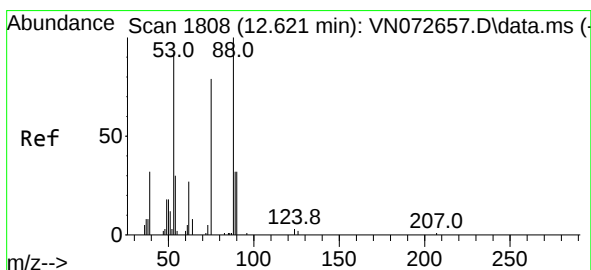
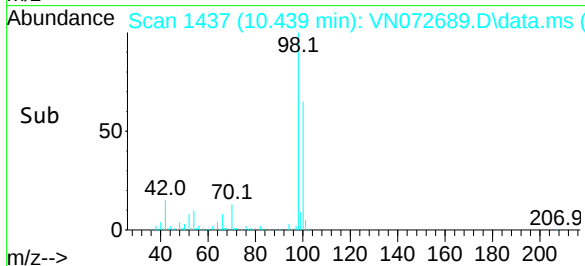
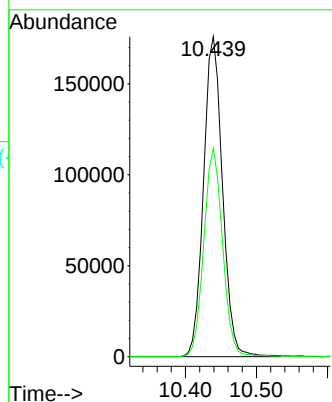
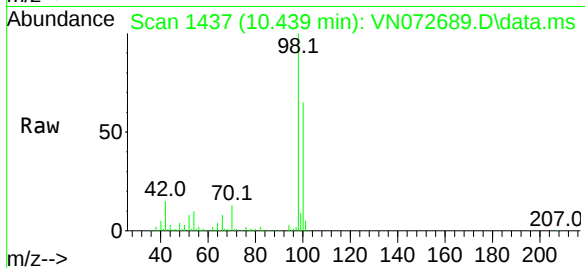
14B-3

Tgt Ion: 98 Resp: 327115

Ion Ratio Lower Upper

98 100

100 64.3 50.6 76.0



#77

t-1,4-Dichloro-2-butene

Concen: 30.180 ug/l

RT: 12.727 min Scan# 1826

Delta R.T. 0.106 min

Lab File: VN072689.D

Acq: 07 Jun 2022 15:42

Tgt Ion: 75 Resp: 52082

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

