

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072672.D
 Acq On : 06 Jun 2022 19:06
 Operator : JC\MD
 Sample : N3123-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Jun 07 06:29:58 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)

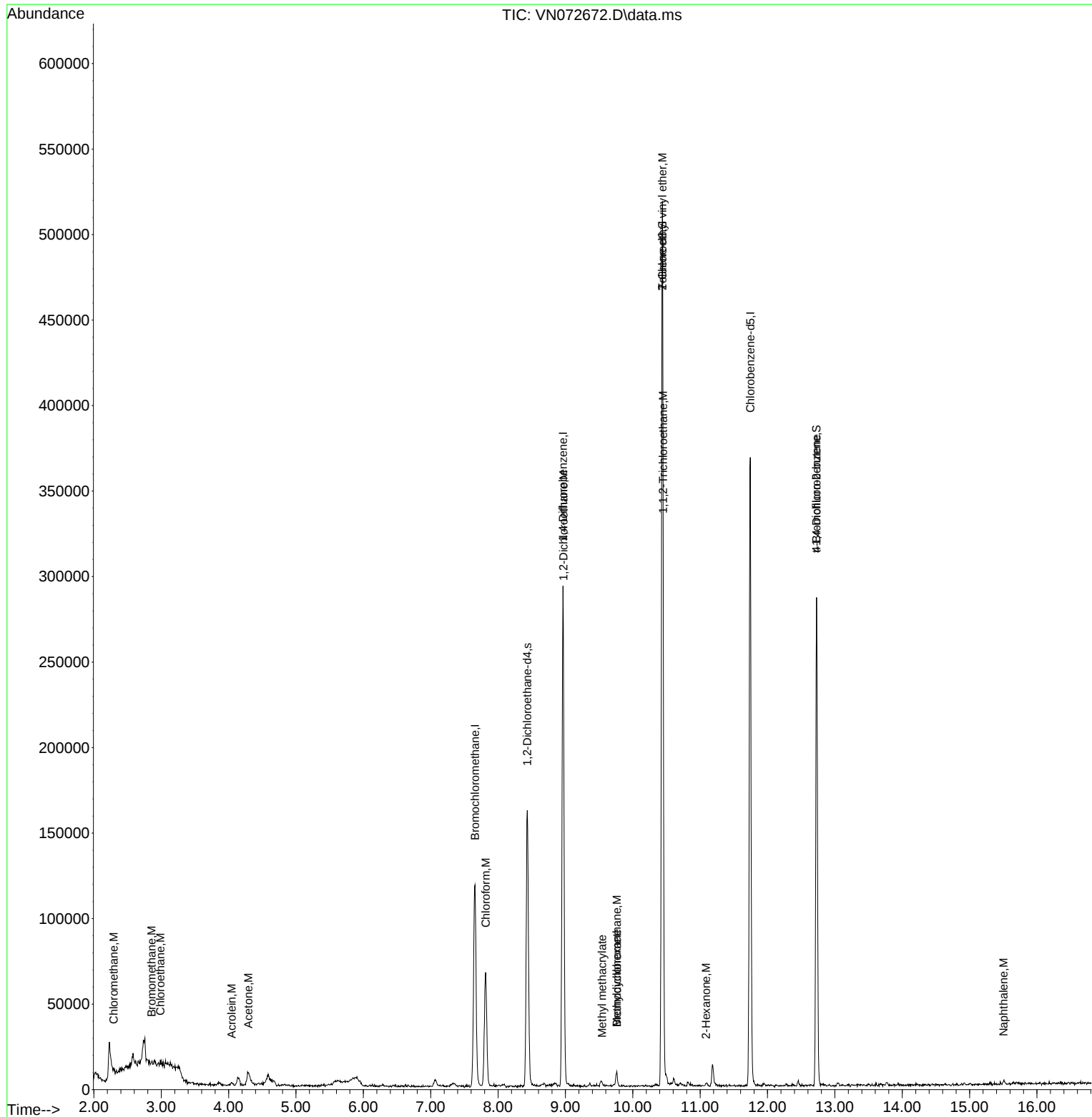
Internal Standards						
1) Bromochloromethane	7.657	128	40645	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	235064	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	198857	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.434	65	138030	29.777	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.267%
60) 4-Bromofluorobenzene	12.727	95	102253	25.001	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	83.333%
63) Toluene-d8	10.439	98	350643	31.831	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	106.100%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	1167	0.352	ug/l #	37
5) Bromomethane	2.857	94	396	0.257	ug/l	83
6) Chloroethane	2.987	64	901	0.453	ug/l	92
13) Acrolein	4.046	56	1652	3.406	ug/l #	60
15) Acetone	4.293	58	4101	6.707	ug/l	83
25) Chloroform	7.816	83	62160	9.480	ug/l	91
36) 1,2-Dichloroethane	8.969	62	9659	1.725	ug/l #	77
38) Methylcyclohexane	9.763	83	5545	1.037	ug/l #	21
41) Bromodichloromethane	9.763	83	5545	1.037	ug/l	92
46) Methyl methacrylate	9.545	41	960	0.208	ug/l #	27
50) 1,1,2-Trichloroethane	10.451	97	9977	2.823	ug/l #	1
55) 2-Chloroethyl vinyl ether	10.439	63	523	0.209	ug/l #	1
59) 2-Hexanone	11.086	43	1055	0.233	ug/l #	69
77) t-1,4-Dichloro-2-butene	12.727	75	58277	31.096	ug/l #	8
91) Naphthalene	15.504	128	2331	0.219	ug/l #	86

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

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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

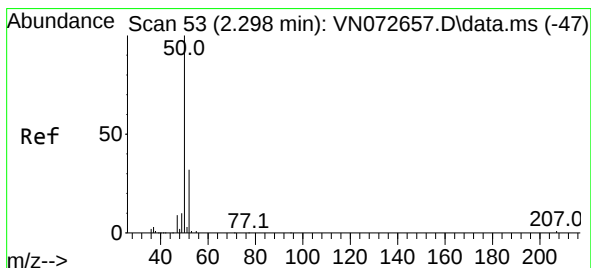
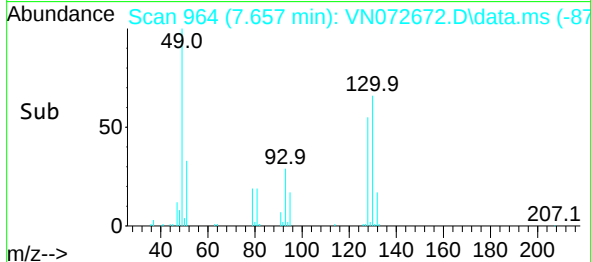
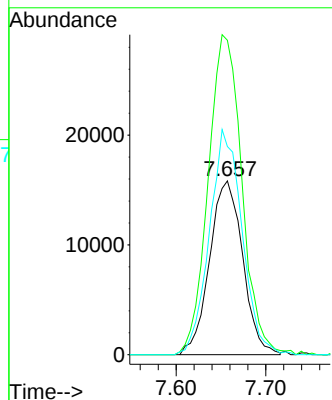
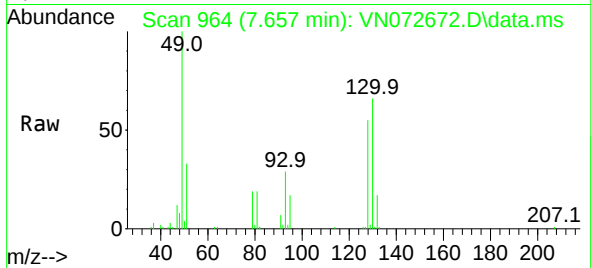




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

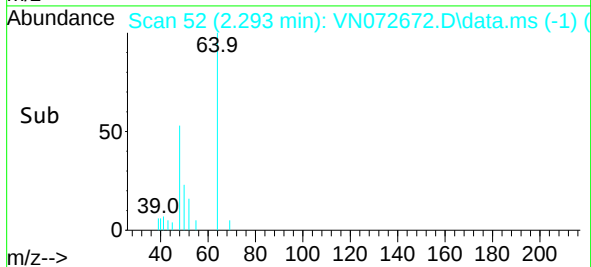
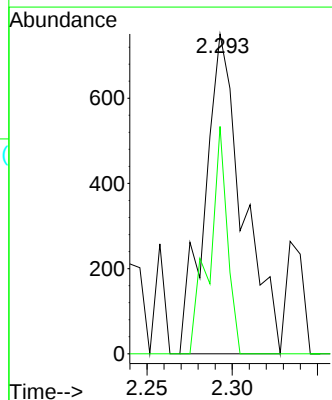
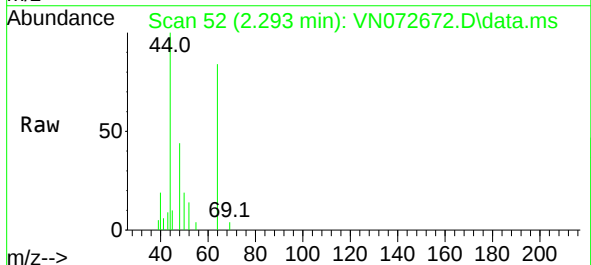
Instrument :
MSVOA_N
ClientSampleId :
14B-3

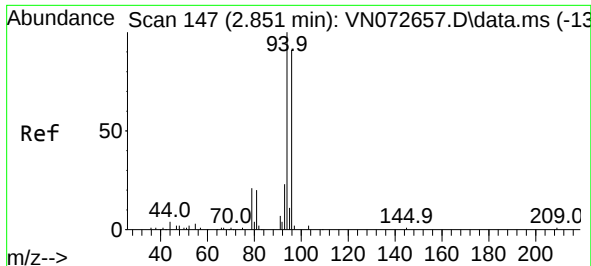
Tgt Ion:128 Resp: 40645
Ion Ratio Lower Upper
128 100
49 186.6 0.0 392.3
130 127.4 0.0 320.2



#3
Chloromethane
Concen: 0.352 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

Tgt Ion: 50 Resp: 1167
Ion Ratio Lower Upper
50 100
52 71.1 27.8 41.6#

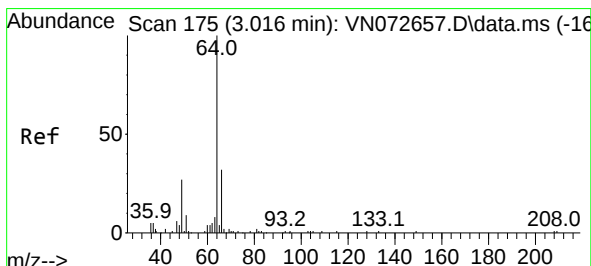
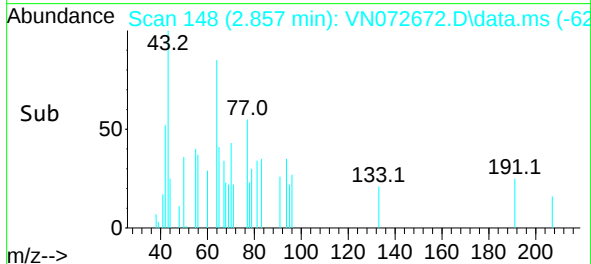
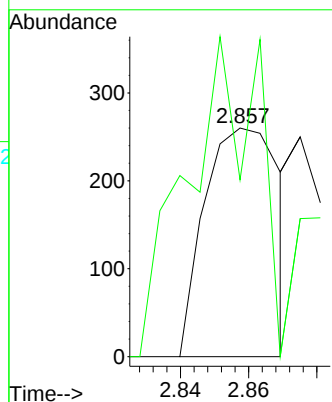
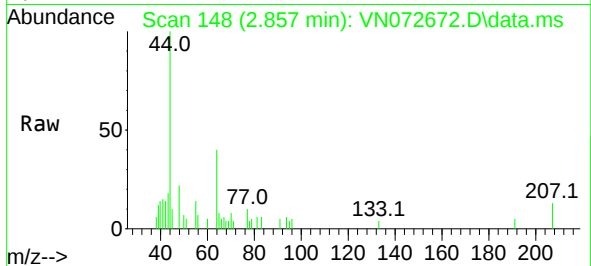




#5
Bromomethane
Concen: 0.257 ug/l
RT: 2.857 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

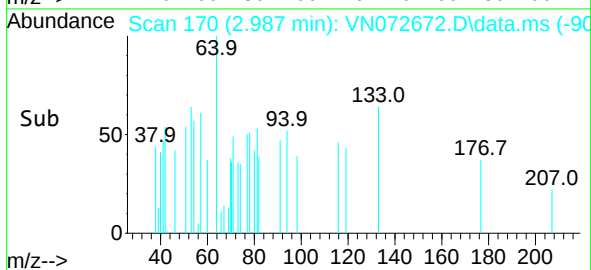
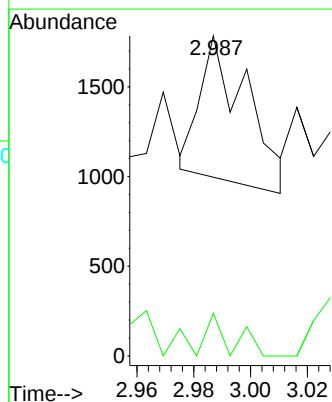
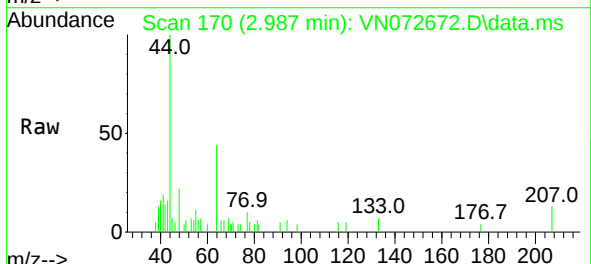
Instrument :
MSVOA_N
ClientSampleId :
14B-3

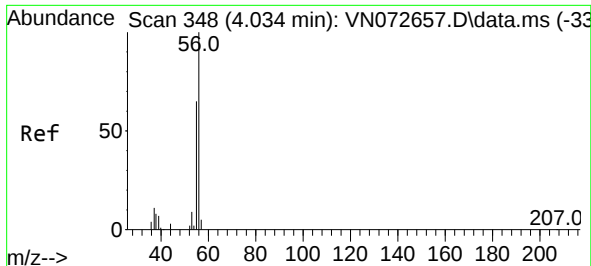
Tgt Ion: 94 Resp: 396
Ion Ratio Lower Upper
94 100
96 77.3 75.2 112.8



#6
Chloroethane
Concen: 0.453 ug/l
RT: 2.987 min Scan# 170
Delta R.T. -0.029 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

Tgt Ion: 64 Resp: 901
Ion Ratio Lower Upper
64 100
66 34.9 24.6 36.8

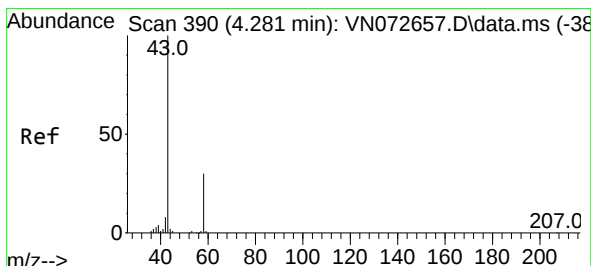
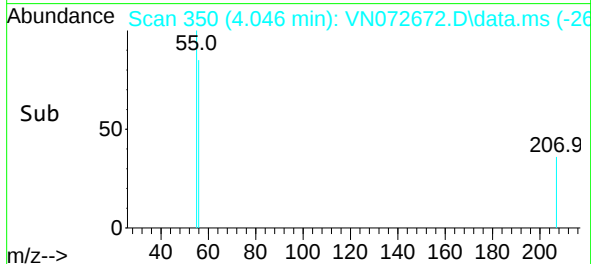
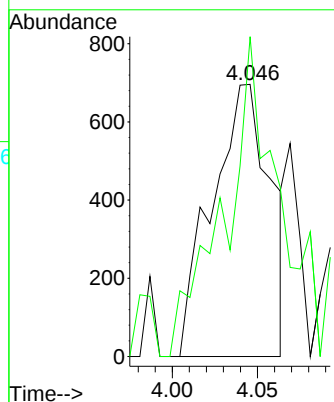
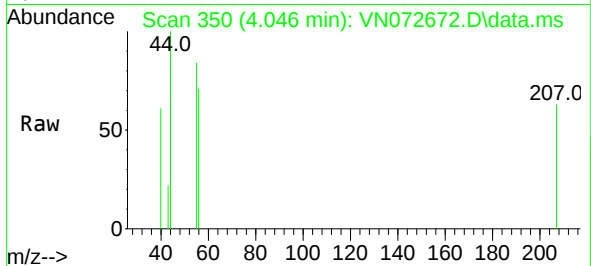




#13
Acrolein
Concen: 3.406 ug/l
RT: 4.046 min Scan# 31
Delta R.T. 0.012 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

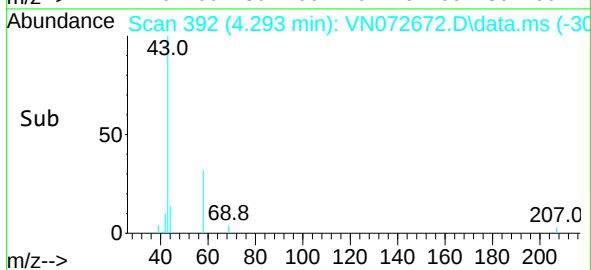
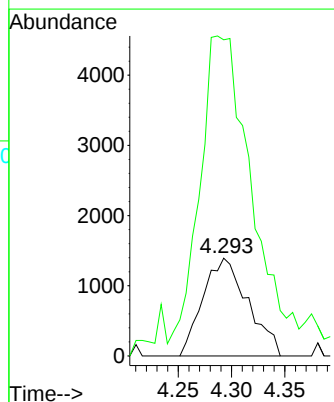
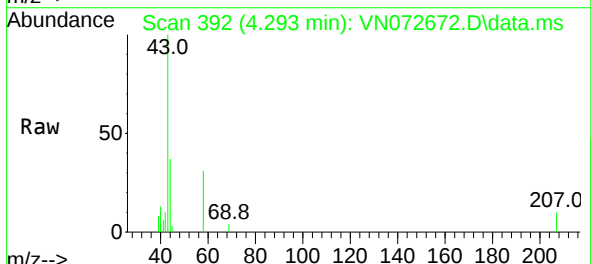
Instrument :
MSVOA_N
ClientSampleId :
14B-3

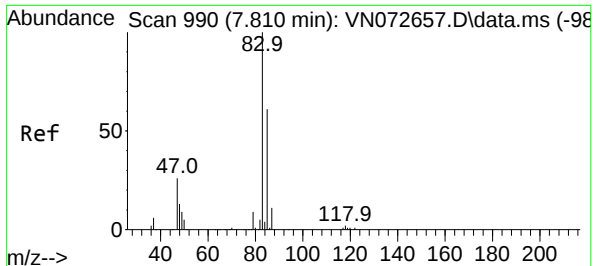
Tgt Ion: 56 Resp: 1652
Ion Ratio Lower Upper
56 100
55 38.7 57.6 86.4#



#15
Acetone
Concen: 6.707 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

Tgt Ion: 58 Resp: 4101
Ion Ratio Lower Upper
58 100
43 286.7 256.6 384.8

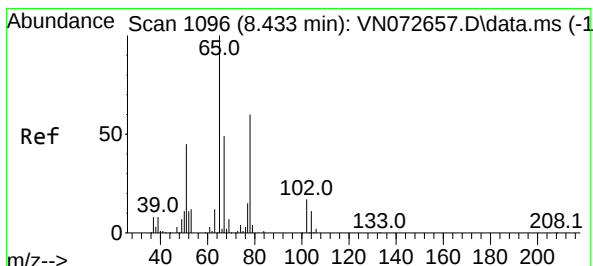
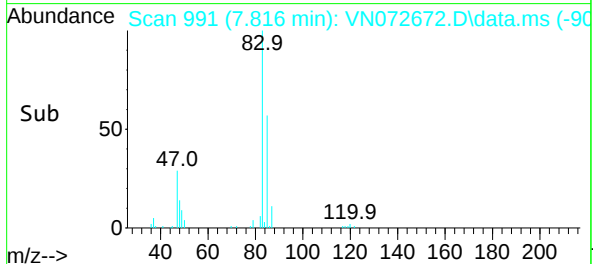
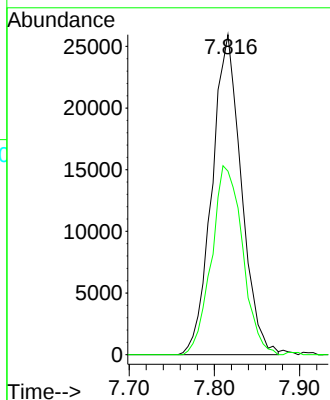
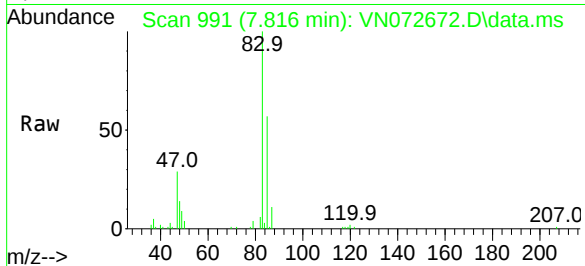




#25
Chloroform
Concen: 9.480 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

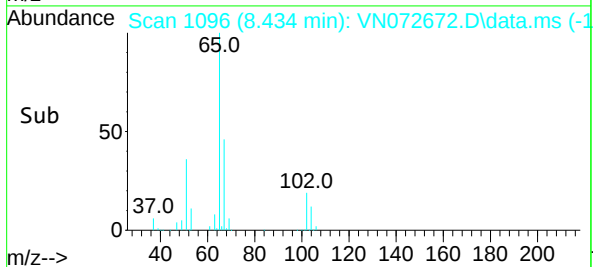
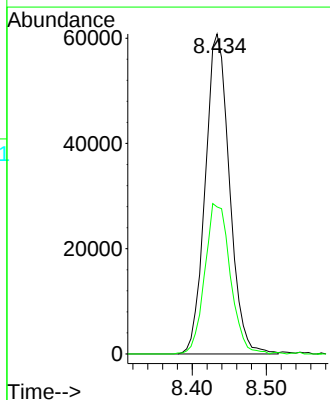
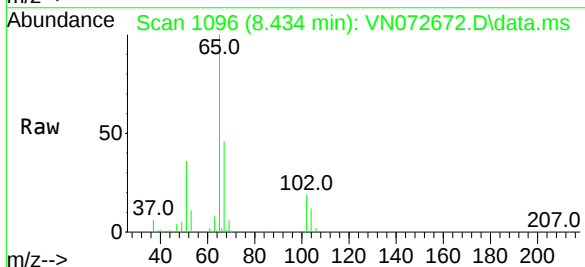
Instrument :
MSVOA_N
ClientSampleId :
14B-3

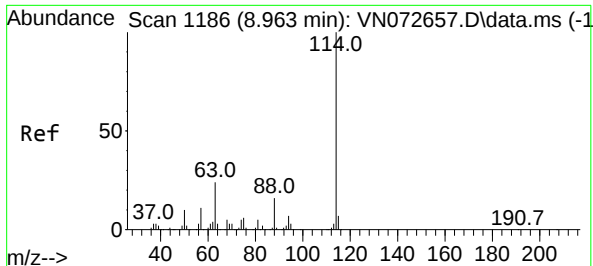
Tgt Ion: 83 Resp: 62160
Ion Ratio Lower Upper
83 100
85 57.3 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 29.777 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

Tgt Ion: 65 Resp: 138030
Ion Ratio Lower Upper
65 100
67 49.4 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: VN072672.D

Acq: 06 Jun 2022 19:06

Instrument :

MSVOA_N

ClientSampleId :

14B-3

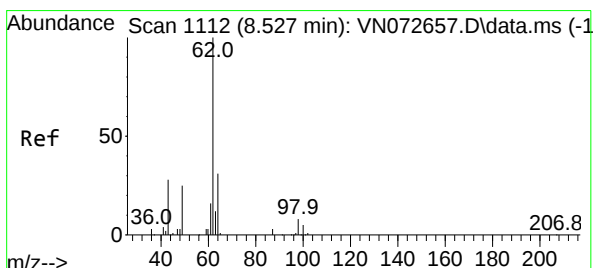
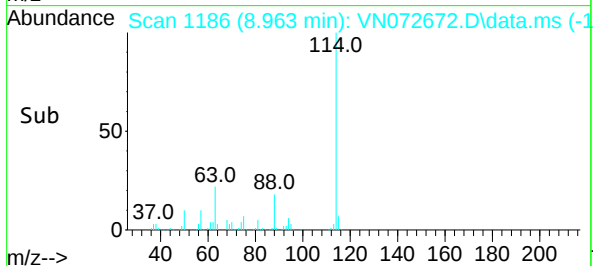
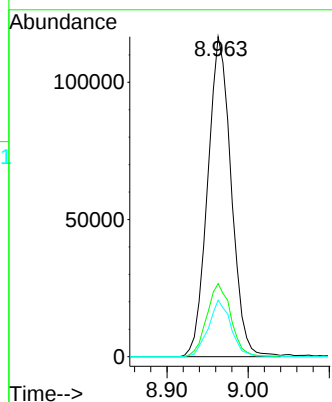
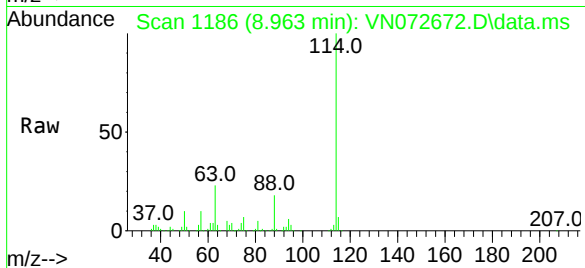
Tgt Ion:114 Resp: 235064

Ion Ratio Lower Upper

114 100

63 23.4 15.8 23.6

88 16.9 11.6 17.4



#36

1,2-Dichloroethane

Concen: 1.725 ug/l

RT: 8.969 min Scan# 1187

Delta R.T. 0.441 min

Lab File: VN072672.D

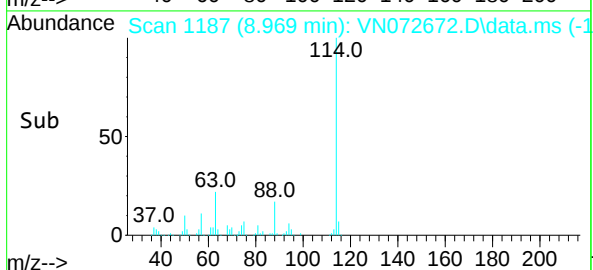
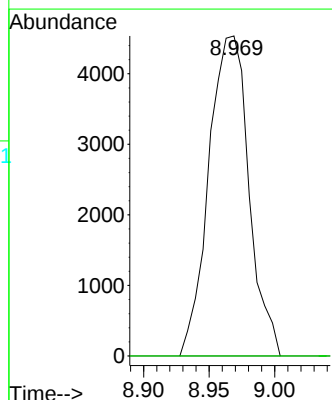
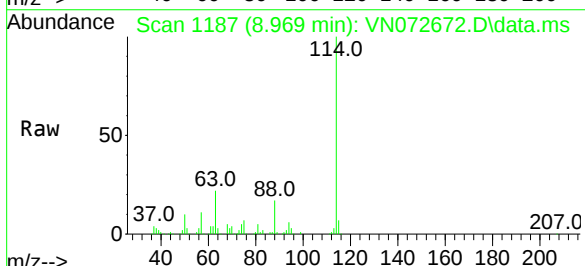
Acq: 06 Jun 2022 19:06

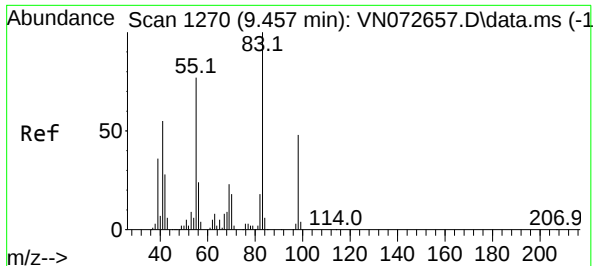
Tgt Ion: 62 Resp: 9659

Ion Ratio Lower Upper

62 100

98 0.0 6.6 10.0#

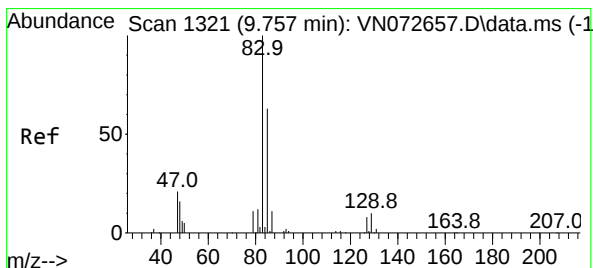
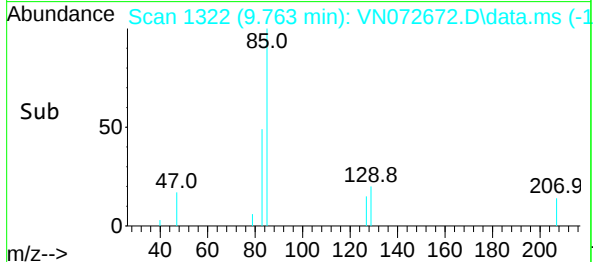
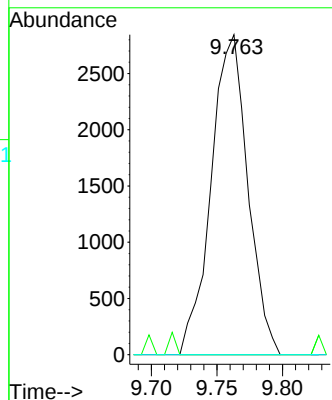
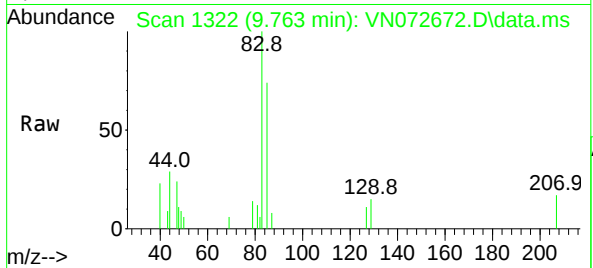




#38
Methylcyclohexane
Concen: 1.037 ug/l
RT: 9.763 min Scan# 1322
Delta R.T. 0.306 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

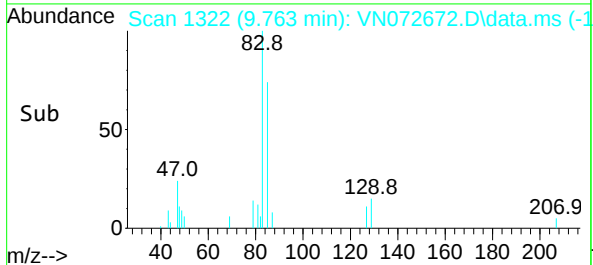
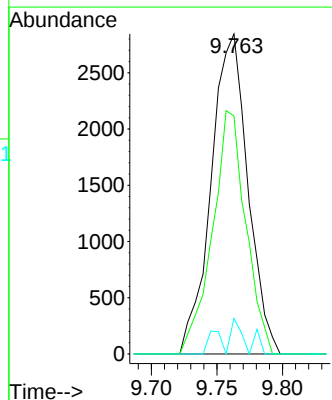
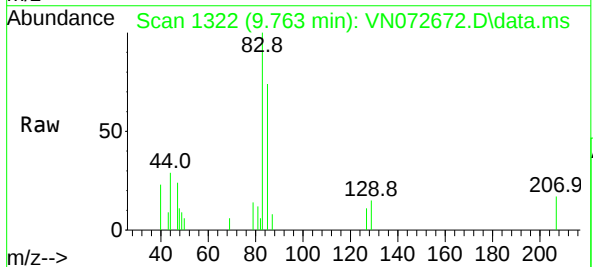
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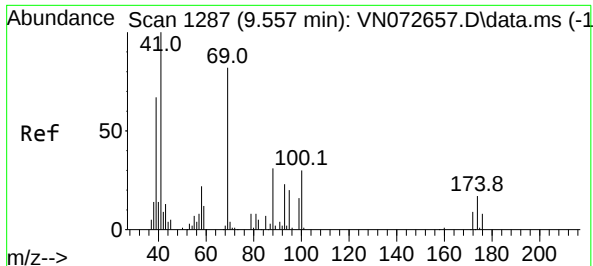
Tgt Ion: 83 Resp: 5545
Ion Ratio Lower Upper
83 100
55 0.0 35.1 105.3#
98 0.0 23.4 70.2#



#41
Bromodichloromethane
Concen: 1.037 ug/l
RT: 9.763 min Scan# 1322
Delta R.T. 0.006 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

Tgt Ion: 83 Resp: 5545
Ion Ratio Lower Upper
83 100
85 74.3 54.1 81.1
127 11.1 7.6 11.4





#46

Methyl methacrylate

Concen: 0.208 ug/l

RT: 9.545 min Scan# 1439

Delta R.T. -0.012 min

Lab File: VN072672.D

Acq: 06 Jun 2022 19:06

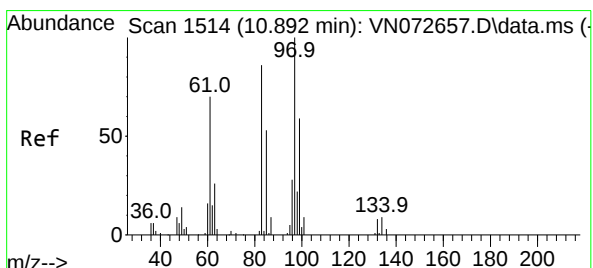
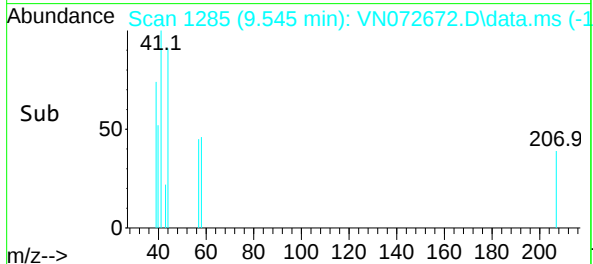
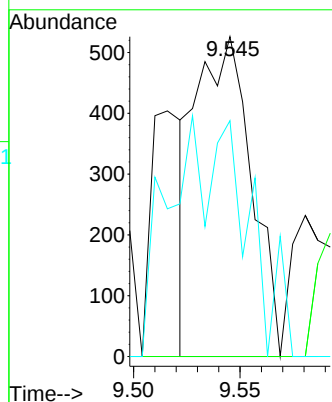
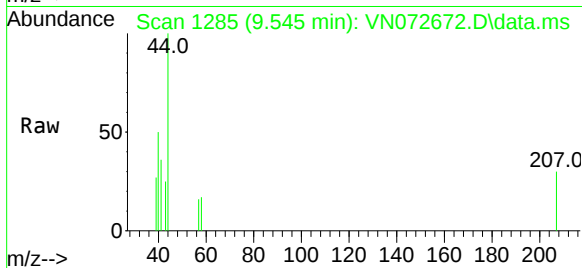
Instrument :

MSVOA_N

ClientSampleId :

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Tgt Ion:	41	Resp:	960
Ion	Ratio	Lower	Upper
41	100		
69	0.0	44.4	133.2#
39	36.1	39.9	119.6#



#50

1,1,2-Trichloroethane

Concen: 2.823 ug/l

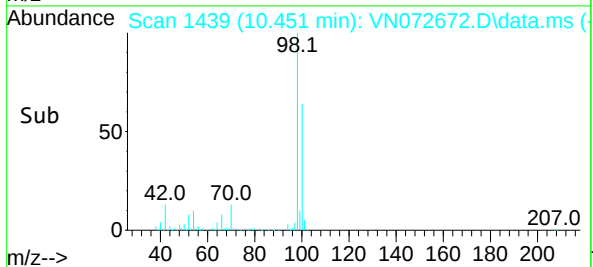
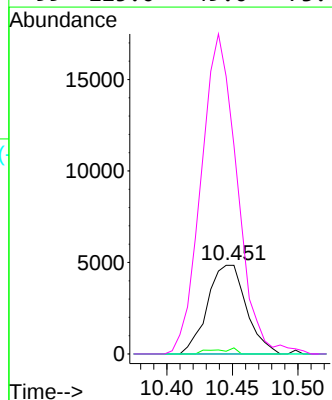
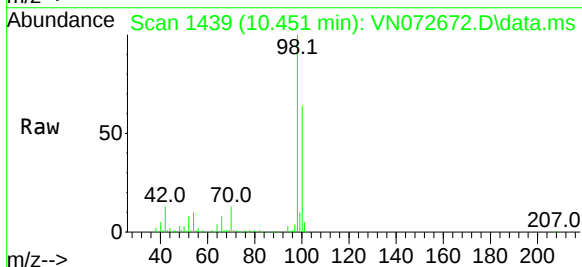
RT: 10.451 min Scan# 1439

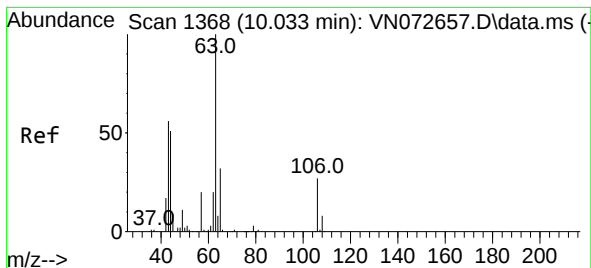
Delta R.T. -0.441 min

Lab File: VN072672.D

Acq: 06 Jun 2022 19:06

Tgt Ion:	97	Resp:	9977
Ion	Ratio	Lower	Upper
97	100		
83	6.9	67.2	100.8#
85	0.0	43.0	64.4#
99	225.0	49.0	73.4#

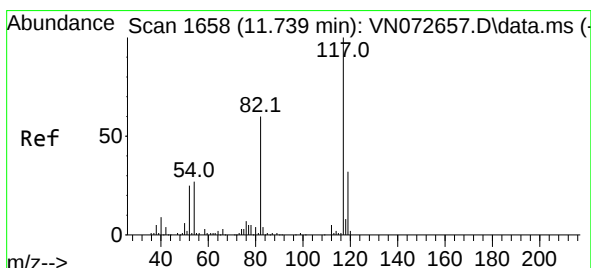
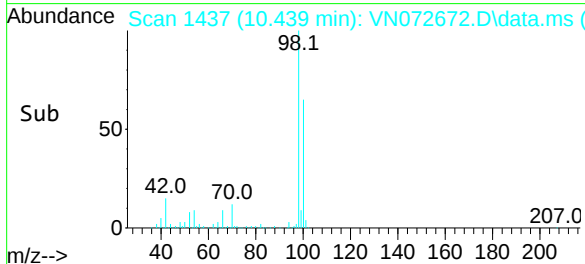
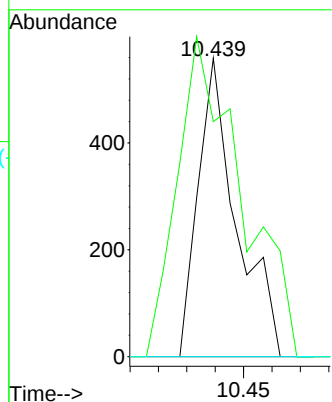
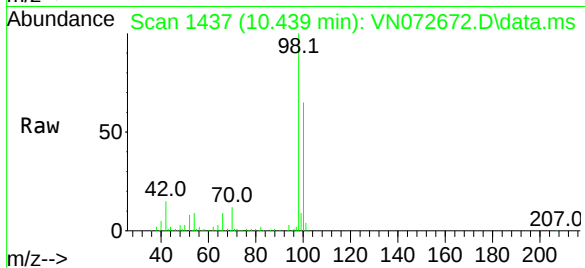




#55
2-Chloroethyl vinyl ether
Concen: 0.209 ug/l
RT: 10.439 min Scan# 14
Delta R.T. 0.406 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

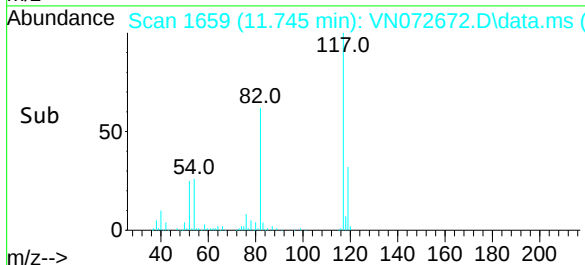
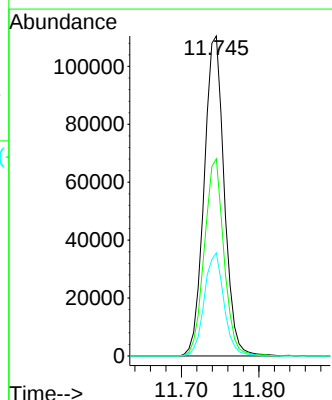
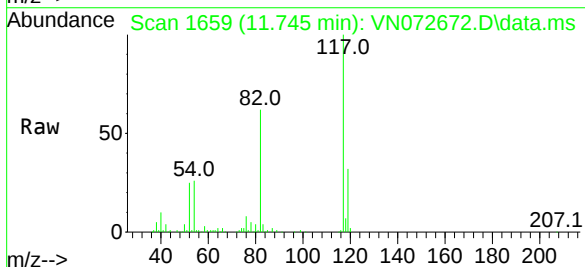
Instrument :
MSVOA_N
ClientSampleId :
14B-3

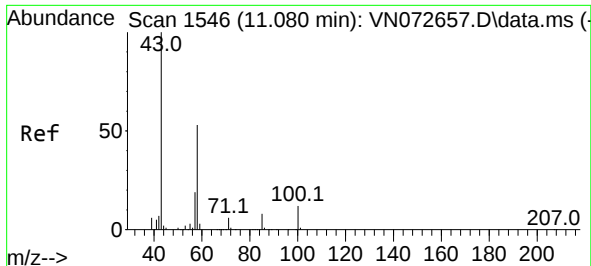
Tgt Ion: 63 Resp: 523
Ion Ratio Lower Upper
63 100
65 150.1 25.4 38.0#
106 0.0 23.2 34.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

Tgt Ion: 117 Resp: 198857
Ion Ratio Lower Upper
117 100
82 60.0 43.6 65.4
119 31.6 25.8 38.6

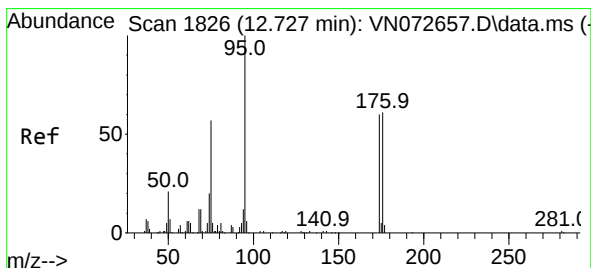
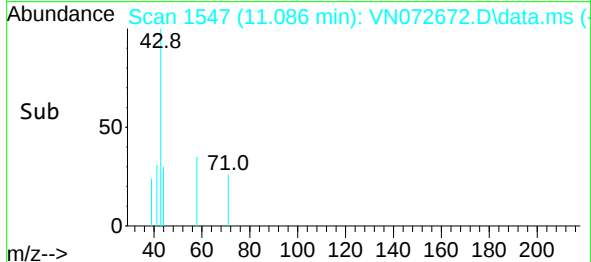
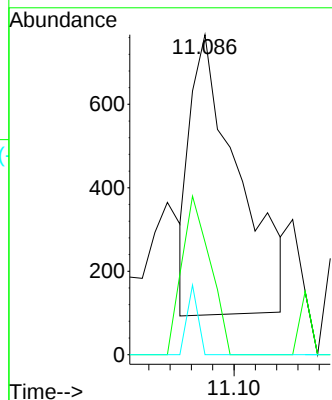
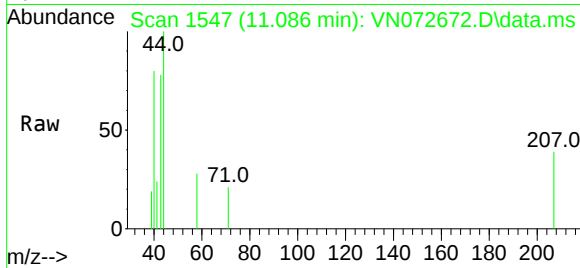




#59
2-Hexanone
Concen: 0.233 ug/l
RT: 11.086 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

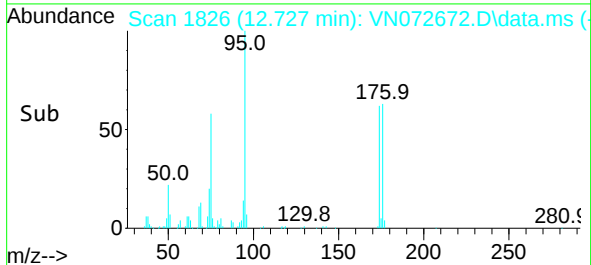
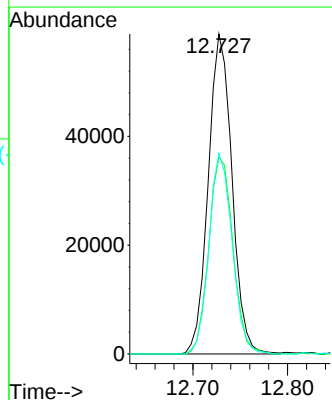
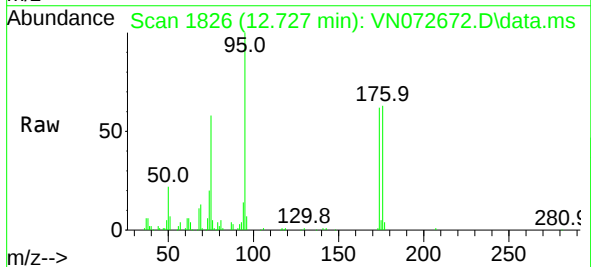
Instrument :
MSVOA_N
ClientSampleId :
14B-3

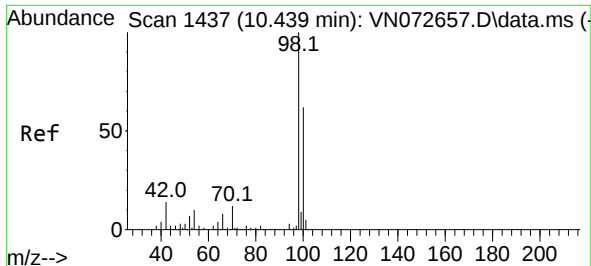
Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
58 33.5 42.2 63.2#
57 0.0 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 25.001 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

Tgt Ion: 95 Resp: 102253
Ion Ratio Lower Upper
95 100
174 62.6 62.9 94.3#
176 61.4 61.0 91.4

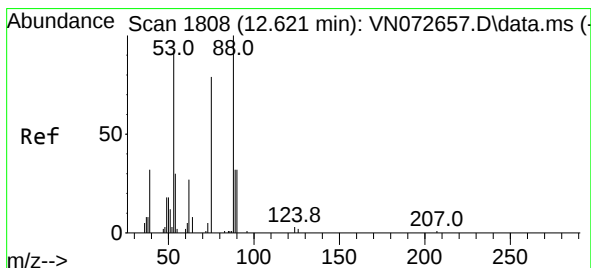
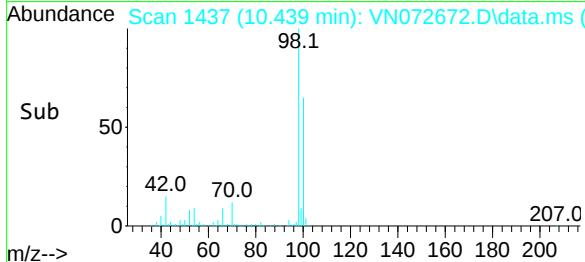
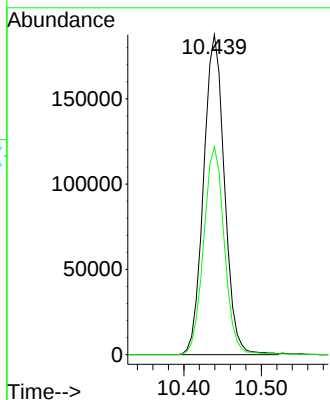
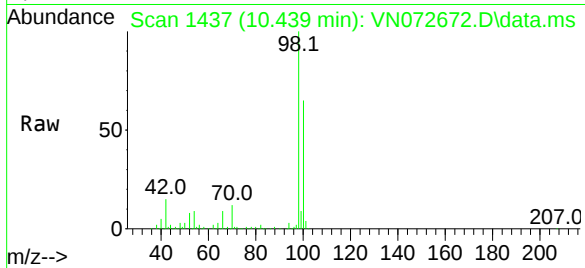




#63
Toluene-d8
Concen: 31.831 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

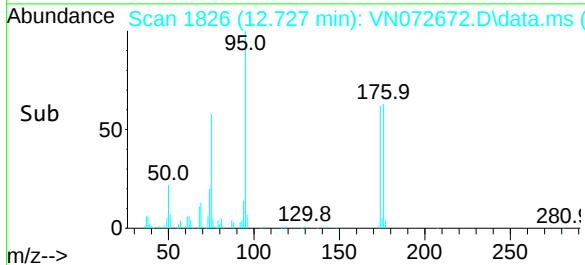
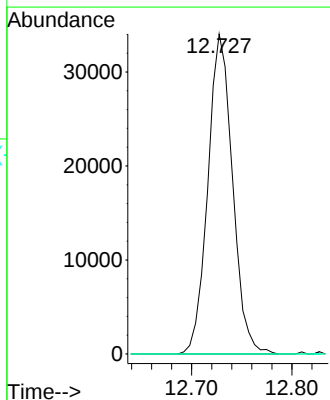
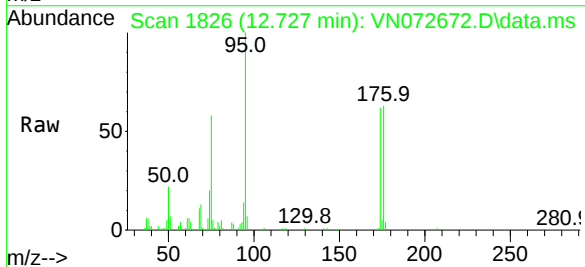
Instrument :
MSVOA_N
ClientSampleId :
14B-3

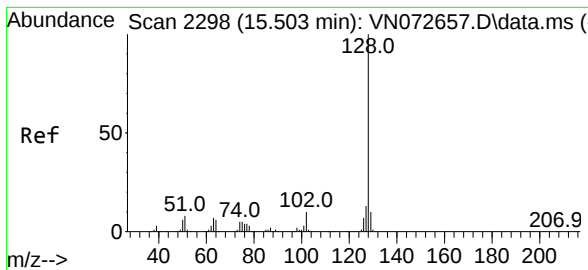
Tgt Ion: 98 Resp: 350643
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 31.096 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN072672.D
Acq: 06 Jun 2022 19:06

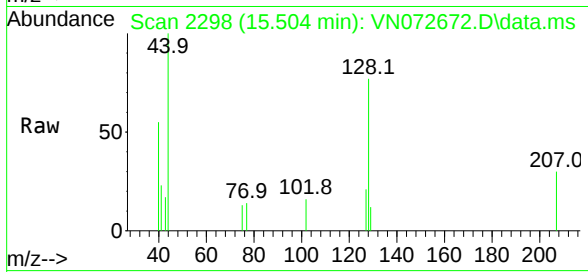
Tgt Ion: 75 Resp: 58277
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.5#
89 0.0 22.9 68.7#





#91
 Naphthalene
 Concen: 0.219 ug/l
 RT: 15.504 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN072672.D
 Acq: 06 Jun 2022 19:06

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3



Tgt Ion:	128	Resp:	2331
Ion Ratio	100	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	0.0	9.0	13.6

