

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072675.D
 Acq On : 06 Jun 2022 20:19
 Operator : JC\MD
 Sample : N3157-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-2

Quant Time: Jun 07 06:30:55 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)

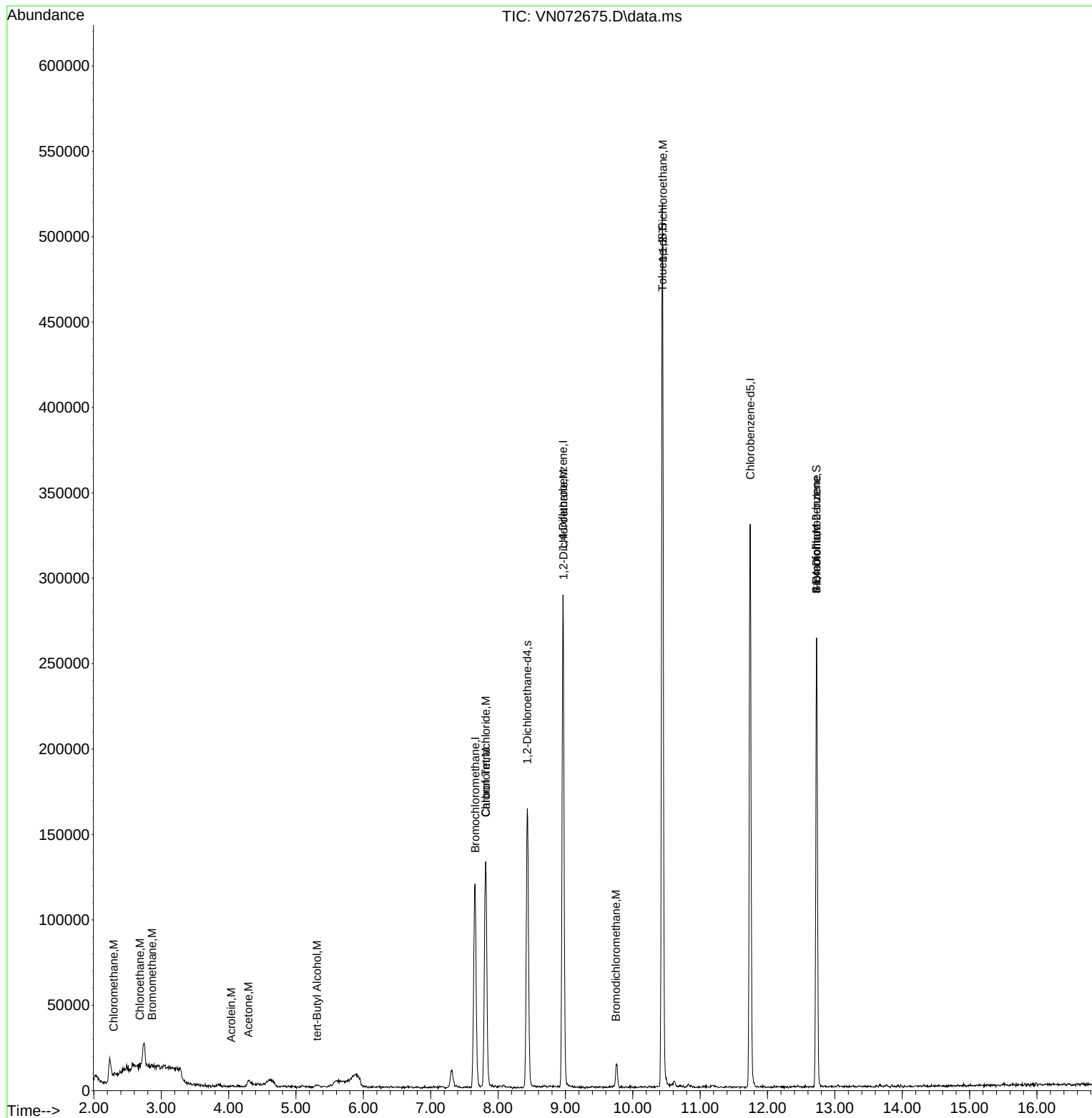
Internal Standards						
1) Bromochloromethane	7.663	128	39056	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	8.963	114	230416	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.745	117	184826	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	138792	31.160	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 103.867%	
60) 4-Bromofluorobenzene	12.727	95	91154	23.979	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 79.933%	
63) Toluene-d8	10.439	98	348168	34.006	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 113.367%#	
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	827	0.260	ug/l	# 40
5) Bromomethane	2.863	94	541	0.365	ug/l	# 3
6) Chloroethane	2.681	64	919	0.480	ug/l	97
13) Acrolein	4.040	56	159	0.341	ug/l	97
15) Acetone	4.293	58	734	1.249	ug/l	# 19
23) tert-Butyl Alcohol	5.310	59	412	0.408	ug/l	# 100
25) Chloroform	7.816	83	126095	20.013	ug/l	100
33) Carbon Tetrachloride	7.816	117	1251	0.252	ug/l	# 46
36) 1,2-Dichloroethane	8.969	62	9747	1.775	ug/l	# 77
41) Bromodichloromethane	9.751	83	10068	1.921	ug/l	# 87
50) 1,1,2-Trichloroethane	10.445	97	11159	3.221	ug/l	# 1
56) Bromoform	12.727	173	658	0.247	ug/l	# 1
77) t-1,4-Dichloro-2-butene	12.727	75	53567	30.753	ug/l	# 8

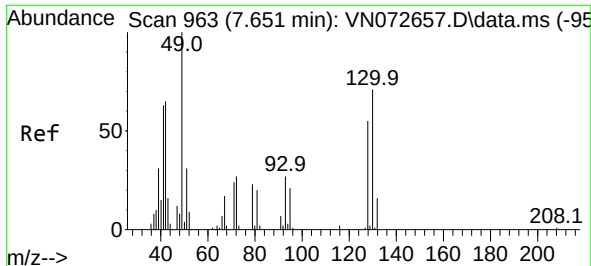
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
Data File : VN072675.D
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
14B-2

Quant Time: Jun 07 06:30:55 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
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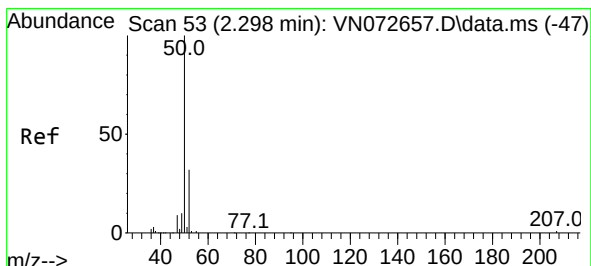
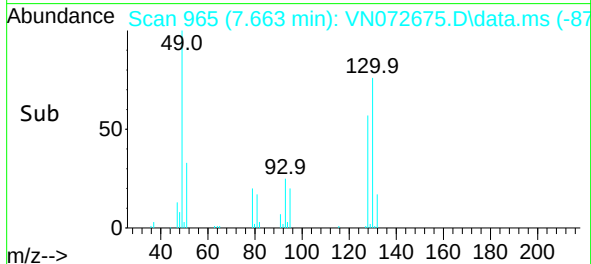
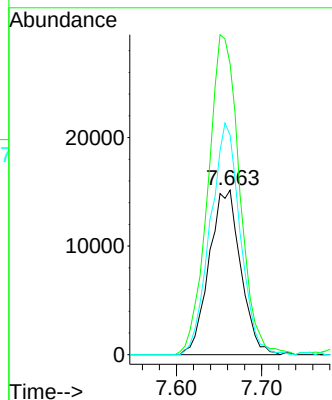
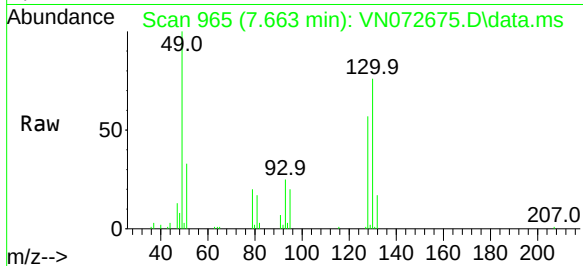




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.663 min Scan# 90
Delta R.T. 0.012 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

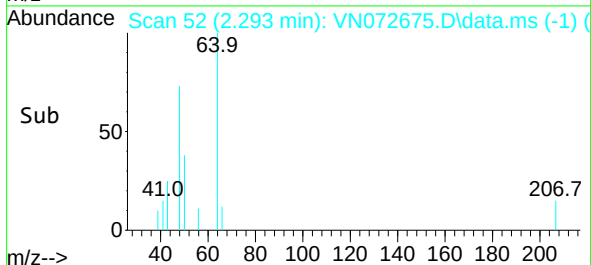
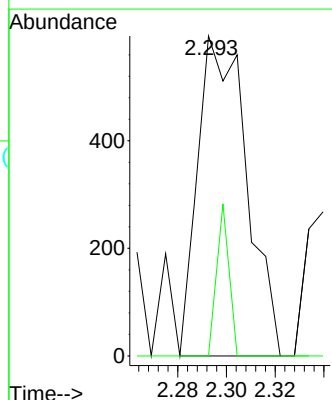
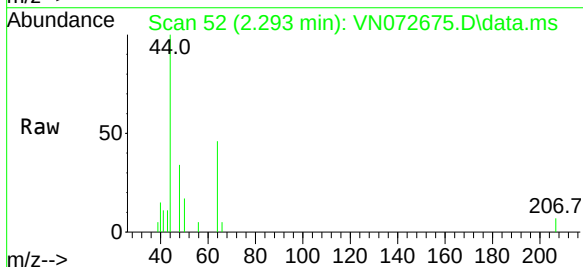
Instrument :
MSVOA_N
ClientSampleId :
14B-2

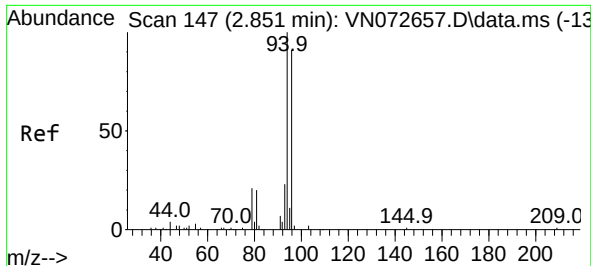
Tgt Ion:128 Resp: 39056
Ion Ratio Lower Upper
128 100
49 193.8 0.0 392.3
130 133.2 0.0 320.2



#3
Chloromethane
Concen: 0.260 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

Tgt Ion: 50 Resp: 827
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

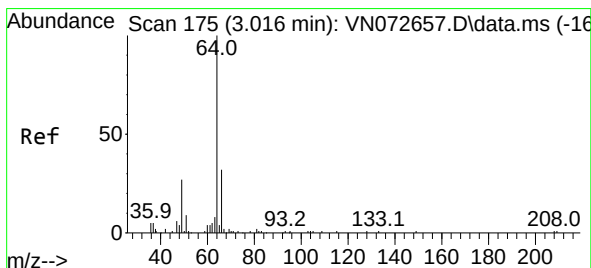
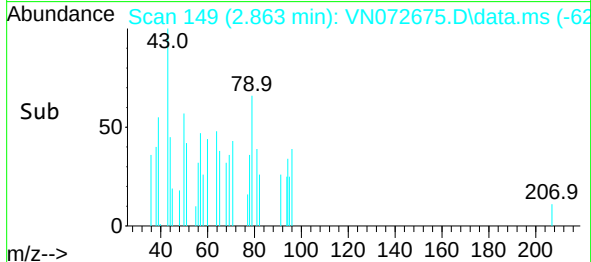
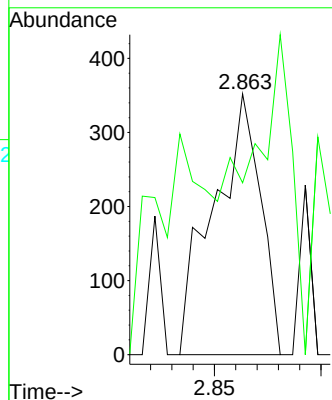
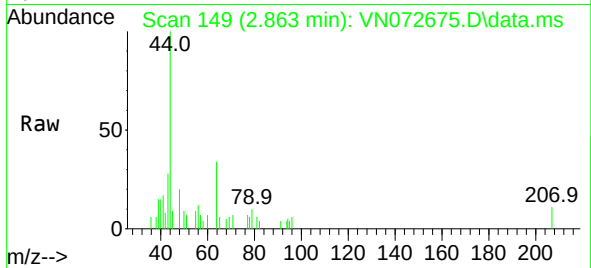




#5
Bromomethane
Concen: 0.365 ug/l
RT: 2.863 min Scan# 147
Delta R.T. 0.012 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

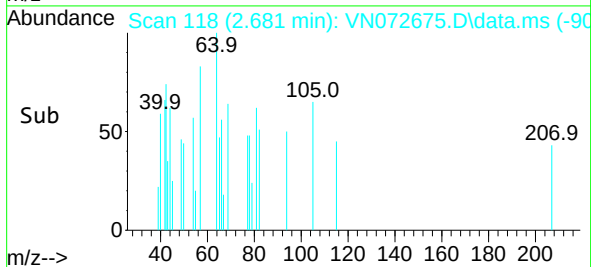
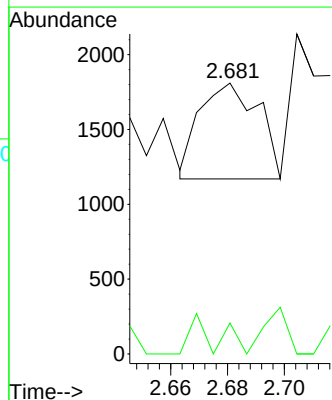
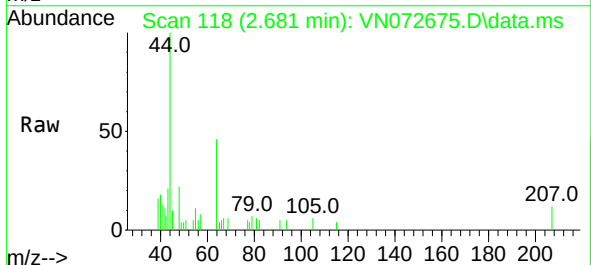
Instrument :
MSVOA_N
ClientSampleId :
14B-2

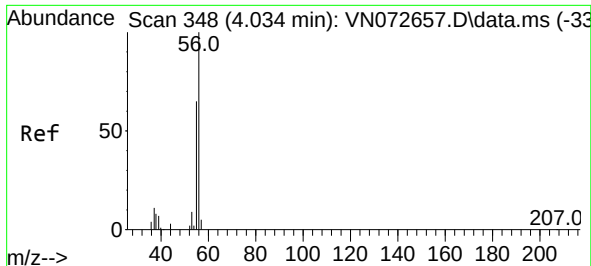
Tgt Ion: 94 Resp: 541
Ion Ratio Lower Upper
94 100
96 0.0 75.2 112.8#



#6
Chloroethane
Concen: 0.480 ug/l
RT: 2.681 min Scan# 118
Delta R.T. -0.335 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

Tgt Ion: 64 Resp: 919
Ion Ratio Lower Upper
64 100
66 32.2 24.6 36.8

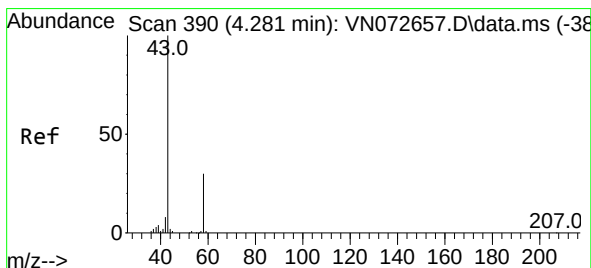
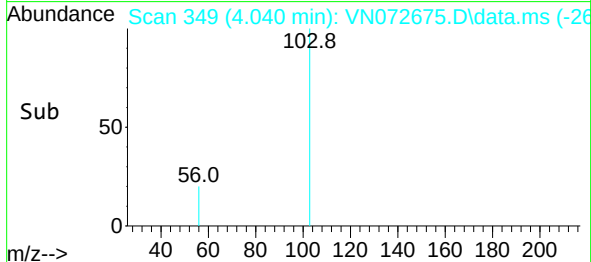
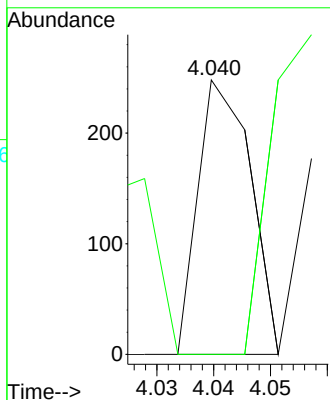
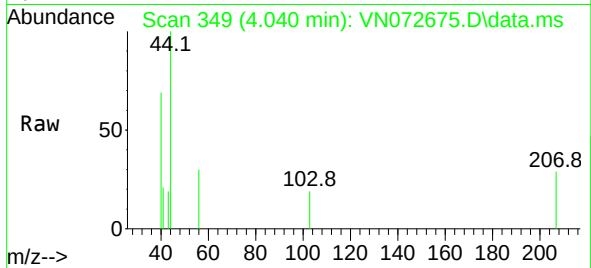




#13
Acrolein
Concen: 0.341 ug/l
RT: 4.040 min Scan# 348
Delta R.T. 0.006 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

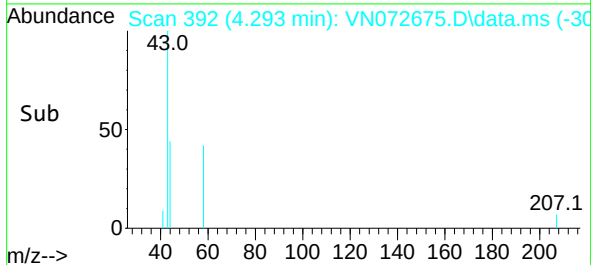
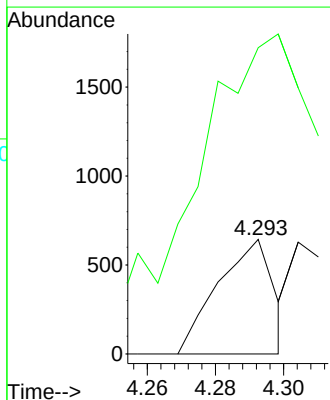
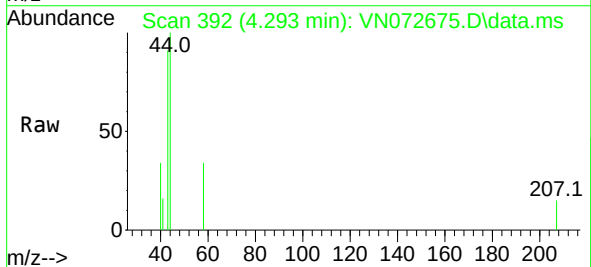
Instrument :
MSVOA_N
ClientSampleId :
14B-2

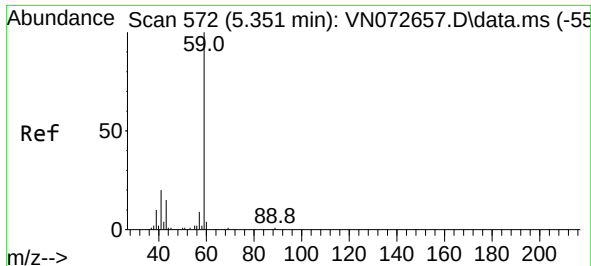
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 69.2 57.6 86.4



#15
Acetone
Concen: 1.249 ug/l
RT: 4.293 min Scan# 392
Delta R.T. 0.012 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

Tgt Ion: 58 Resp: 734
Ion Ratio Lower Upper
58 100
43 154.0 256.6 384.8#

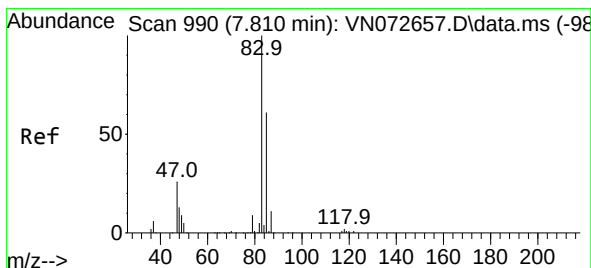
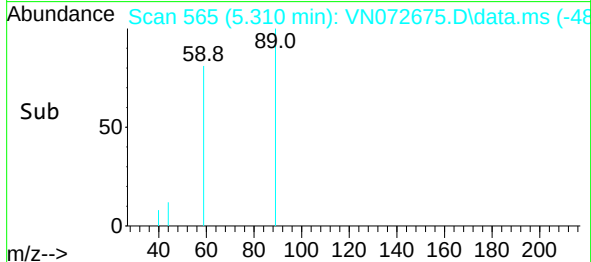
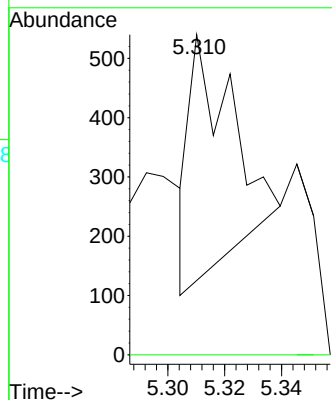
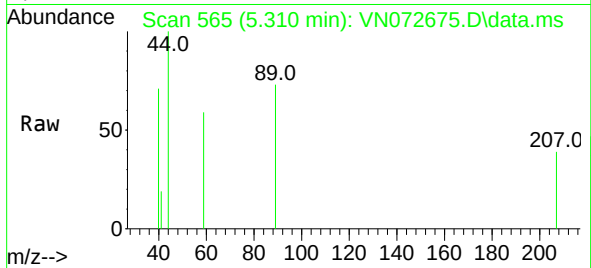




#23
tert-Butyl Alcohol
Concen: 0.408 ug/l
RT: 5.310 min Scan# 509
Delta R.T. -0.041 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

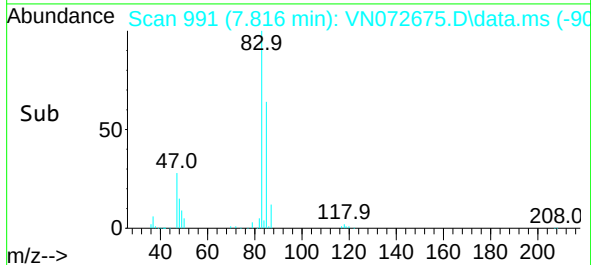
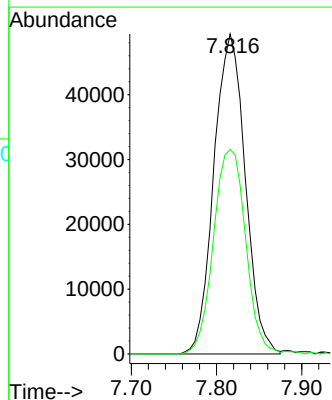
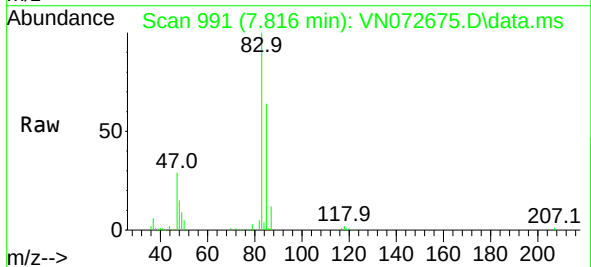
Instrument :
MSVOA_N
ClientSampleId :
14B-2

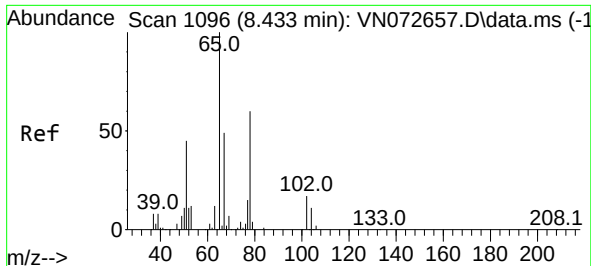
Tgt Ion: 59 Resp: 412
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#25
Chloroform
Concen: 20.013 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

Tgt Ion: 83 Resp: 126095
Ion Ratio Lower Upper
83 100
85 63.9 51.3 76.9





#27

1,2-Dichloroethane-d4

Concen: 31.160 ug/l

RT: 8.433 min Scan# 1096

Delta R.T. 0.000 min

Lab File: VN072675.D

Acq: 06 Jun 2022 20:19

Instrument :

MSVOA_N

ClientSampleId :

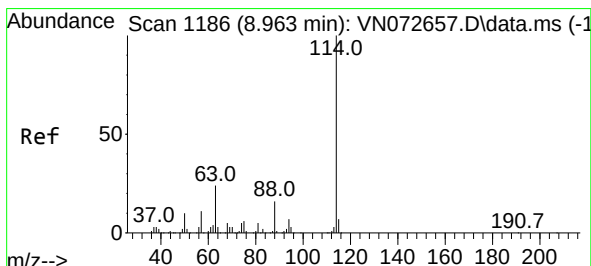
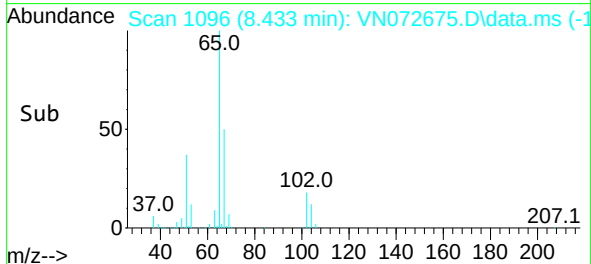
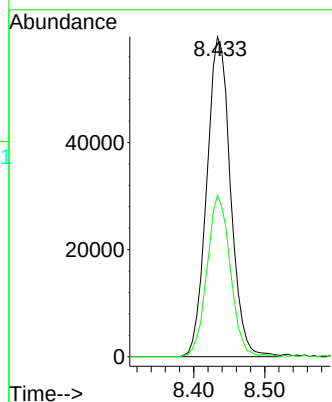
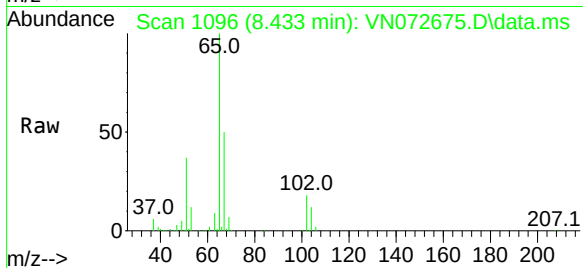
14B-2

Tgt Ion: 65 Resp: 138792

Ion Ratio Lower Upper

65 100

67 49.3 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: VN072675.D

Acq: 06 Jun 2022 20:19

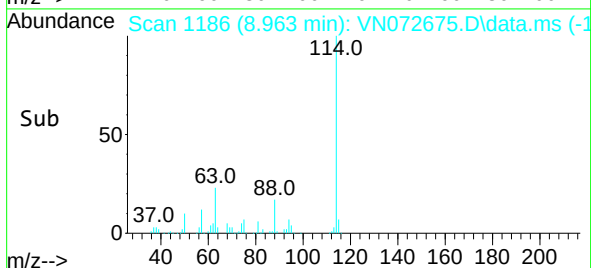
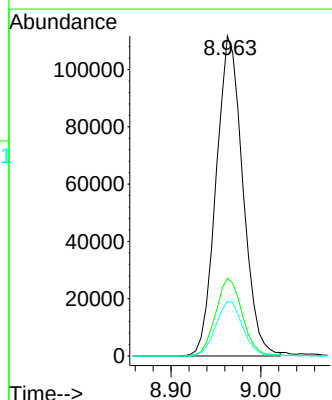
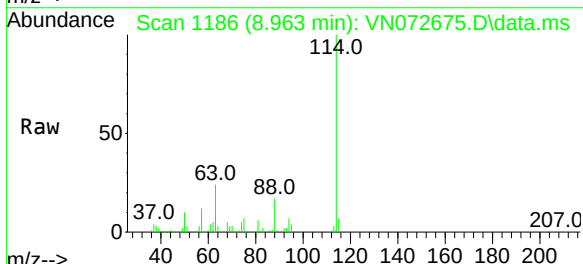
Tgt Ion: 114 Resp: 230416

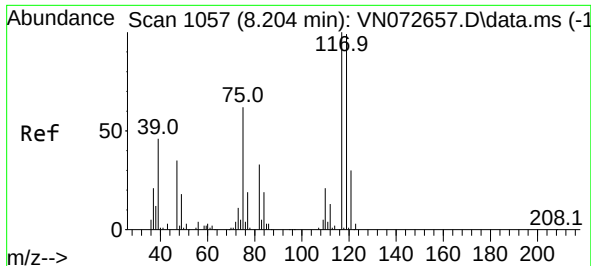
Ion Ratio Lower Upper

114 100

63 24.3 15.8 23.6#

88 17.0 11.6 17.4

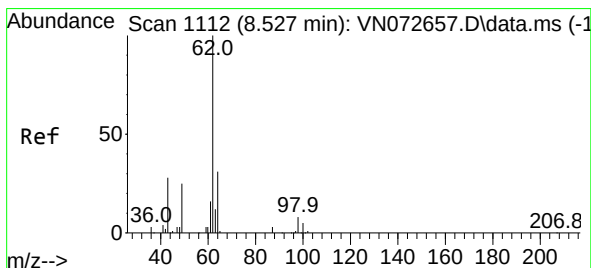
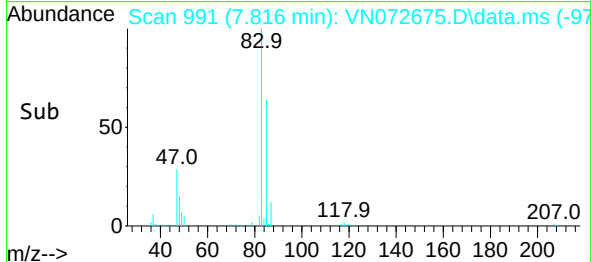
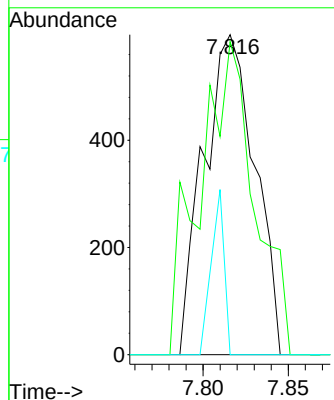
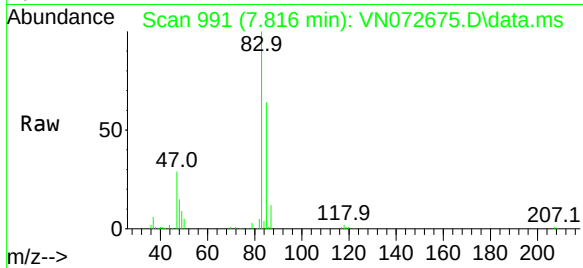




#33
Carbon Tetrachloride
Concen: 0.252 ug/l
RT: 7.816 min Scan# 91
Delta R.T. -0.388 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

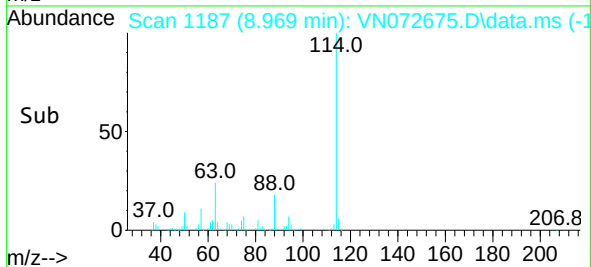
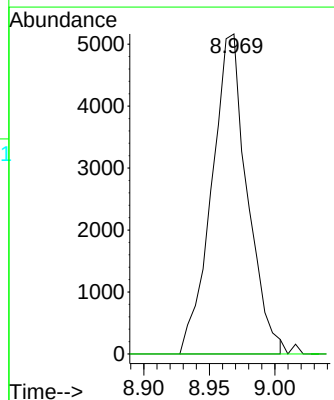
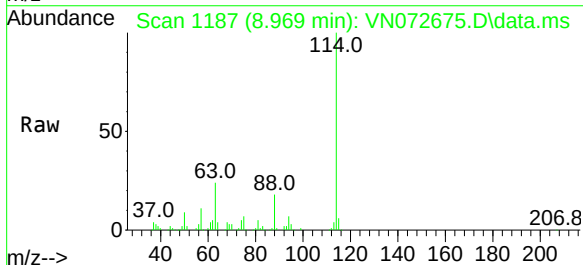
Instrument :
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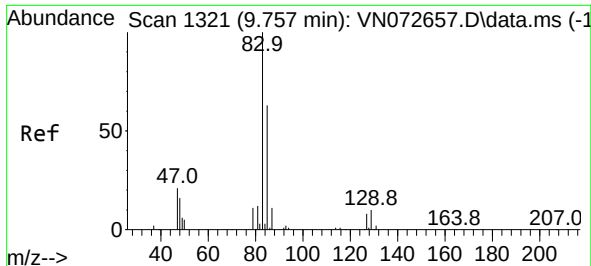
Tgt Ion:117 Resp: 1251
Ion Ratio Lower Upper
117 100
119 43.9 77.5 116.3#
121 0.0 23.5 35.3#



#36
1,2-Dichloroethane
Concen: 1.775 ug/l
RT: 8.969 min Scan# 1187
Delta R.T. 0.441 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

Tgt Ion: 62 Resp: 9747
Ion Ratio Lower Upper
62 100
98 0.0 6.6 10.0#

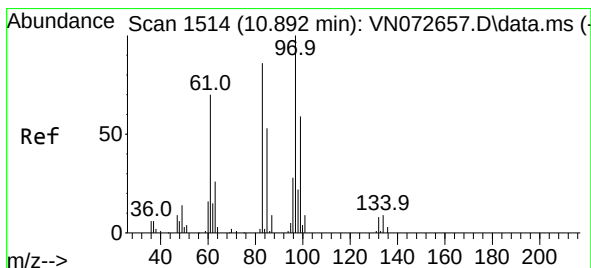
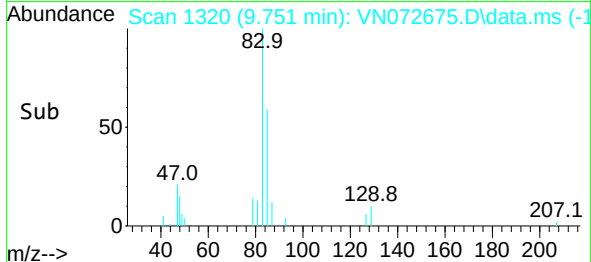
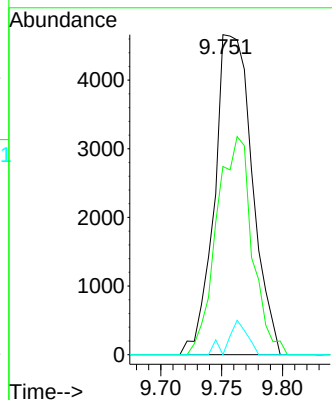
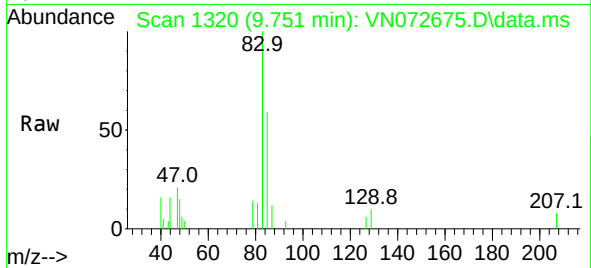




#41
Bromodichloromethane
Concen: 1.921 ug/l
RT: 9.751 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

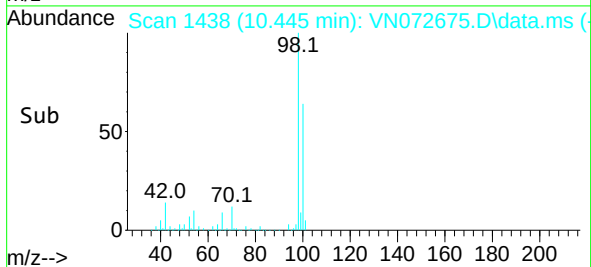
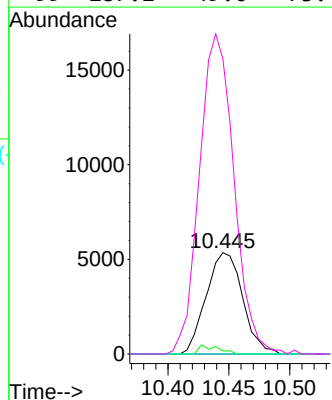
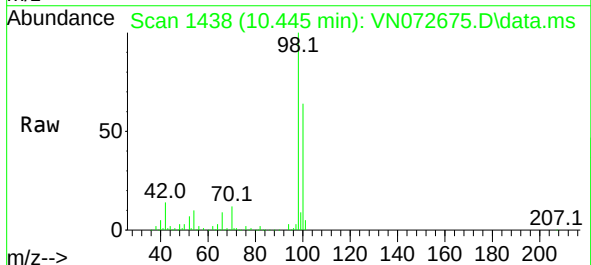
Instrument :
MSVOA_N
ClientSampleId :
14B-2

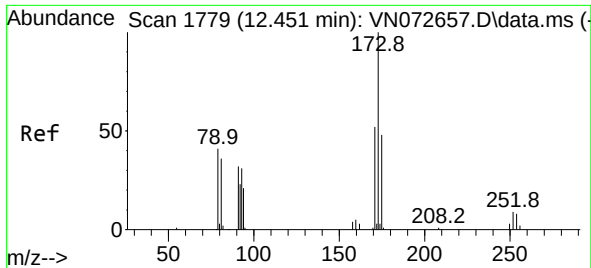
Tgt Ion: 83 Resp: 10068
Ion Ratio Lower Upper
83 100
85 58.8 54.1 81.1
127 0.0 7.6 11.4#



#50
1,1,2-Trichloroethane
Concen: 3.221 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

Tgt Ion: 97 Resp: 11159
Ion Ratio Lower Upper
97 100
83 3.0 67.2 100.8#
85 0.0 43.0 64.4#
99 287.2 49.0 73.4#

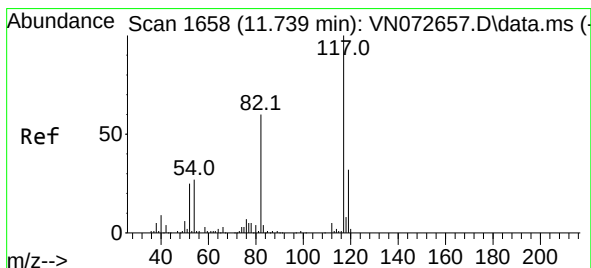
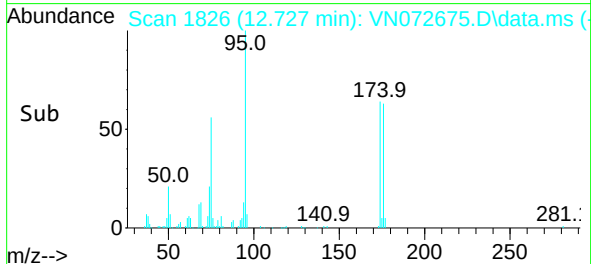
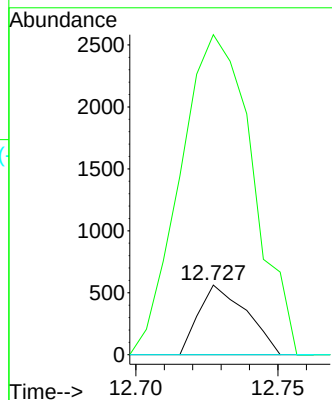
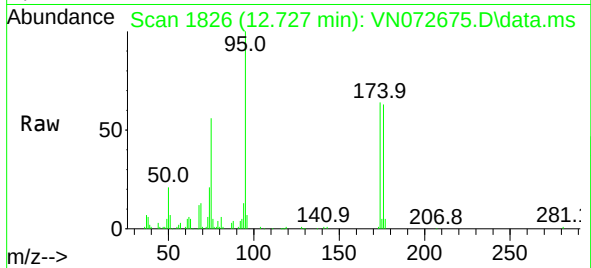




#56
Bromoform
Concen: 0.247 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.277 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

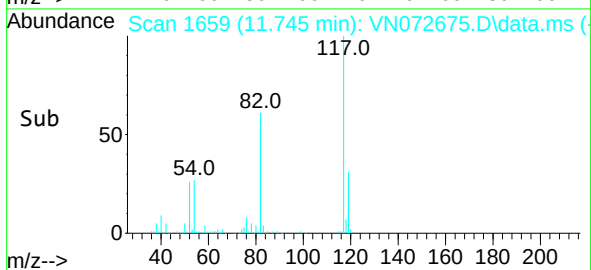
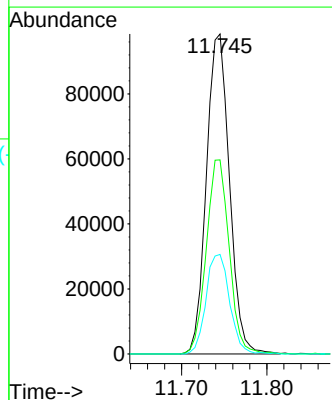
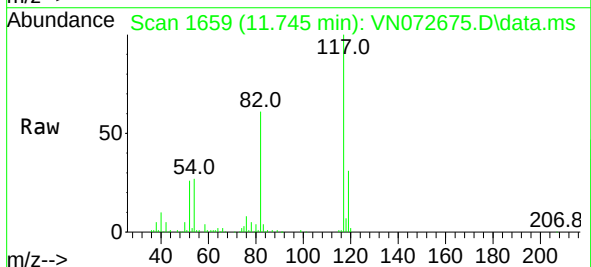
Instrument :
MSVOA_N
ClientSampleId :
14B-2

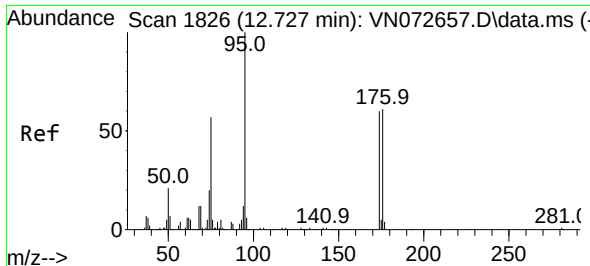
Tgt Ion:173 Resp: 658
Ion Ratio Lower Upper
173 100
175 697.1 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

Tgt Ion:117 Resp: 184826
Ion Ratio Lower Upper
117 100
82 60.2 43.6 65.4
119 31.7 25.8 38.6

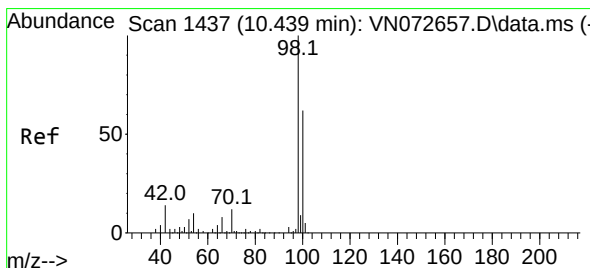
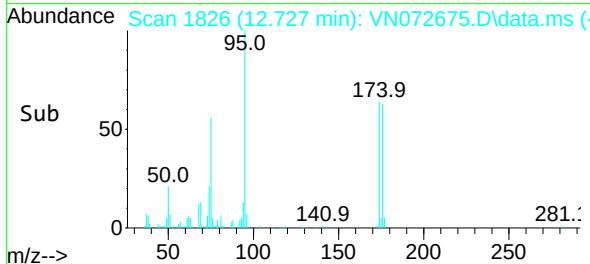
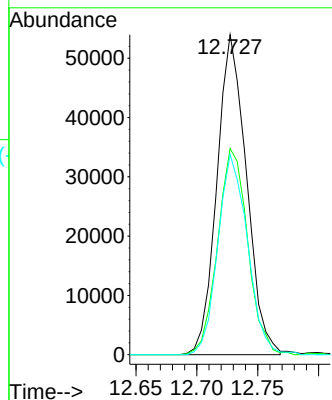
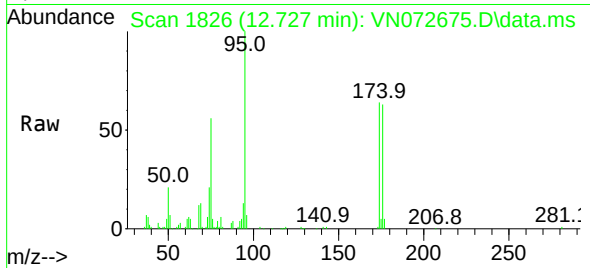




#60
4-Bromofluorobenzene
Concen: 23.979 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

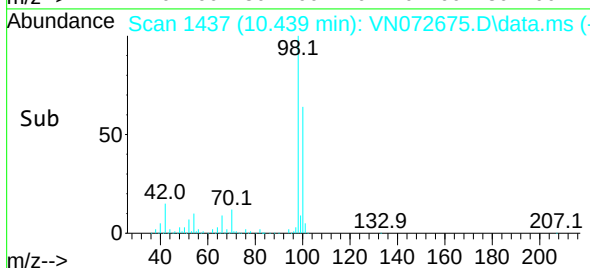
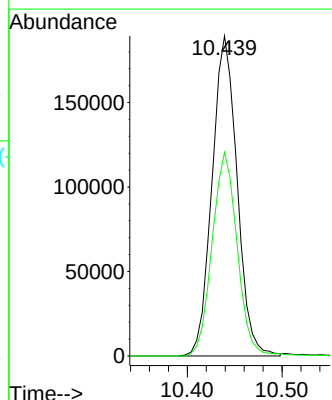
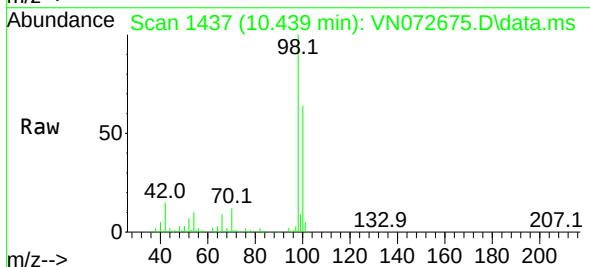
Instrument :
MSVOA_N
ClientSampleId :
14B-2

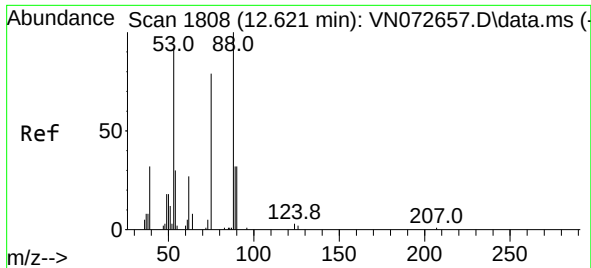
Tgt Ion: 95 Resp: 91154
Ion Ratio Lower Upper
95 100
174 65.6 62.9 94.3
176 62.7 61.0 91.4



#63
Toluene-d8
Concen: 34.006 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072675.D
Acq: 06 Jun 2022 20:19

Tgt Ion: 98 Resp: 348168
Ion Ratio Lower Upper
98 100
100 63.5 50.6 76.0





#77

t-1,4-Dichloro-2-butene

Concen: 30.753 ug/l

RT: 12.727 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN072675.D

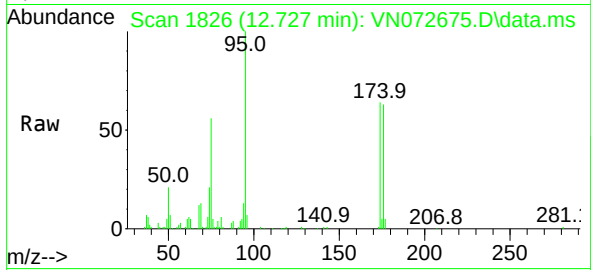
Acq: 06 Jun 2022 20:19

Instrument :

MSVOA_N

ClientSampleId :

14B-2



Tgt Ion: 75 Resp: 53567

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

