

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
 Data File : VN072676.D
 Acq On : 06 Jun 2022 20:43
 Operator : JC\MD
 Sample : N3157-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Jun 07 06:31:16 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)

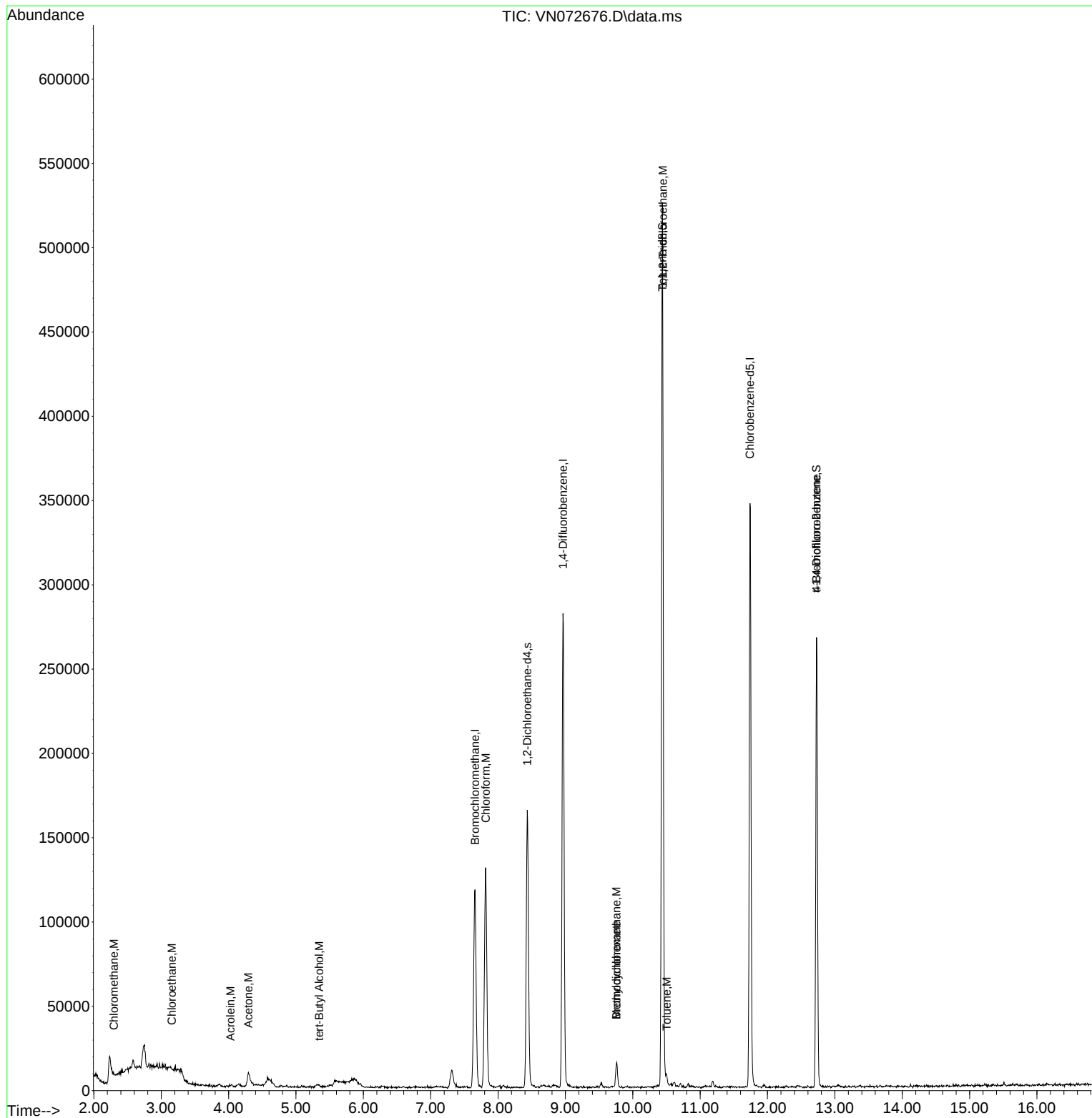
Internal Standards						
1) Bromochloromethane	7.657	128	38898	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	232606	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.739	117	192574	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	137587	31.014	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 103.367%			
60) 4-Bromofluorobenzene	12.727	95	96133	24.271	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 80.900%			
63) Toluene-d8	10.439	98	343710	32.220	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 107.400%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	1132	0.357	ug/l #	40
6) Chloroethane	3.157	64	892	0.468	ug/l	93
13) Acrolein	4.028	56	540	1.163	ug/l #	67
15) Acetone	4.292	58	3824	6.535	ug/l	76
23) tert-Butyl Alcohol	5.345	59	220	0.219	ug/l #	100
25) Chloroform	7.816	83	121756	19.403	ug/l	98
38) Methylcyclohexane	9.757	83	10112	1.910	ug/l #	21
41) Bromodichloromethane	9.757	83	10112	1.911	ug/l #	81
50) 1,1,2-Trichloroethane	10.445	97	10829	3.096	ug/l #	1
62) Toluene	10.504	91	3275	0.251	ug/l	98
77) t-1,4-Dichloro-2-butene	12.727	75	54055	29.785	ug/l #	8

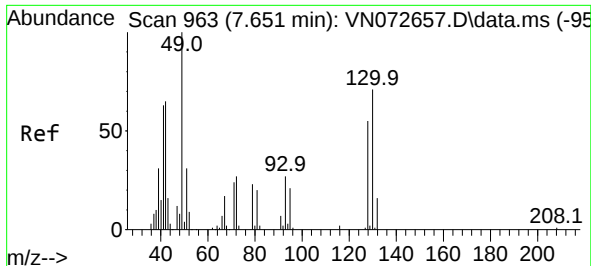
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060622\
Data File : VN072676.D
Acq On : 06 Jun 2022 20:43
Operator : JC\MD
Sample : N3157-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
14B-3

Quant Time: Jun 07 06:31:16 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

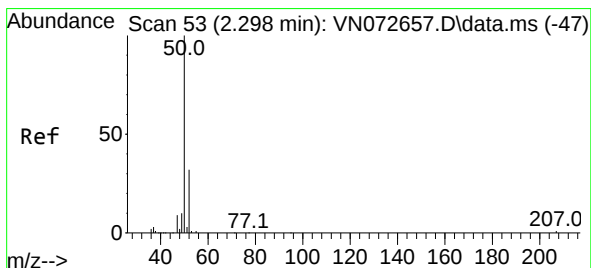
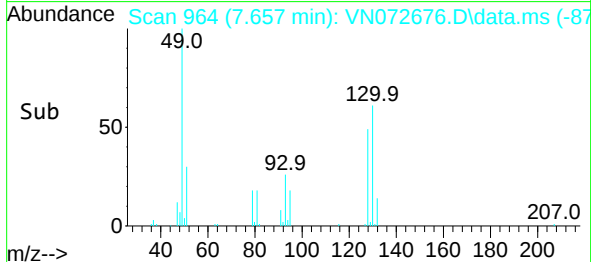
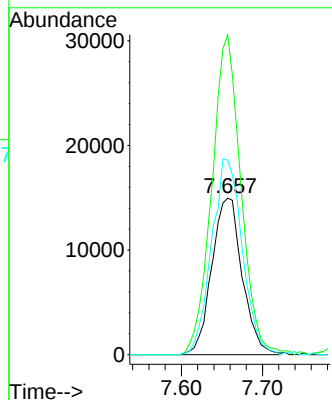
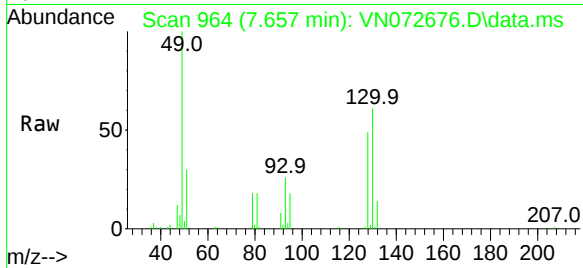




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

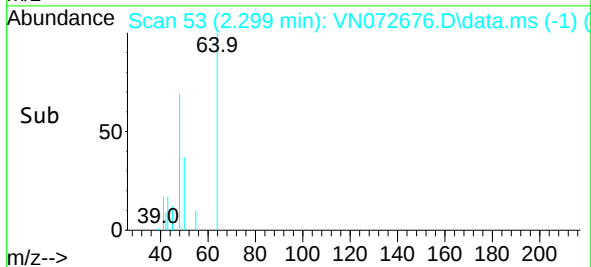
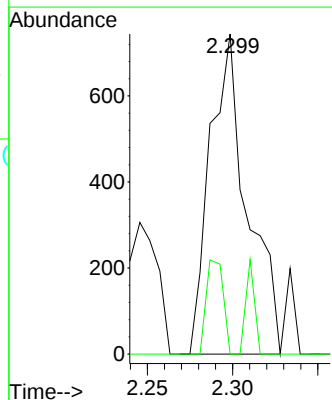
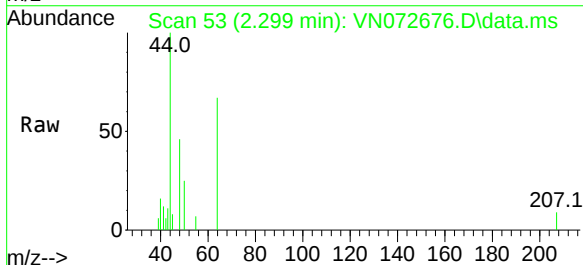
Instrument :
MSVOA_N
ClientSampleId :
14B-3

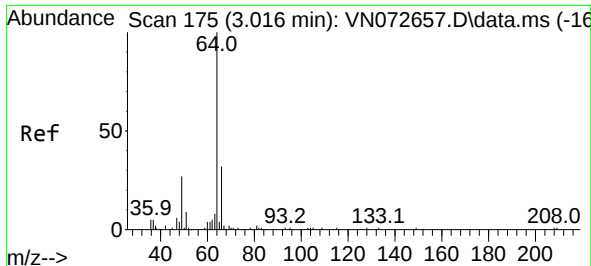
Tgt Ion:128 Resp: 38898
Ion Ratio Lower Upper
128 100
49 195.0 0.0 392.3
130 126.4 0.0 320.2



#3
Chloromethane
Concen: 0.357 ug/l
RT: 2.299 min Scan# 53
Delta R.T. 0.000 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

Tgt Ion: 50 Resp: 1132
Ion Ratio Lower Upper
50 100
52 0.0 27.8 41.6#

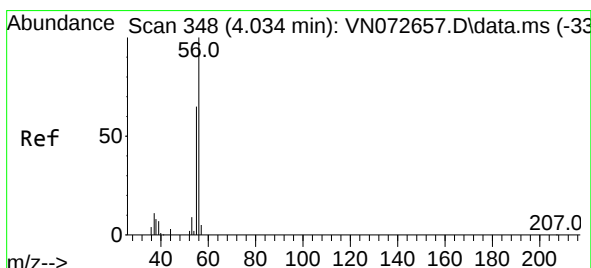
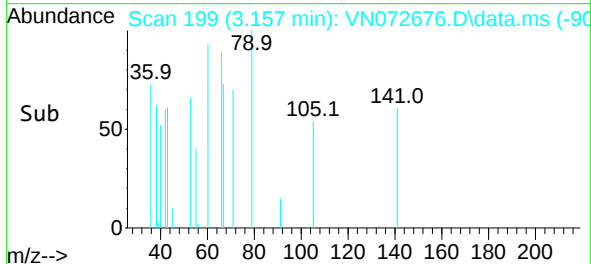
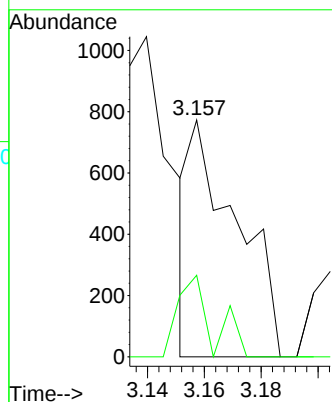
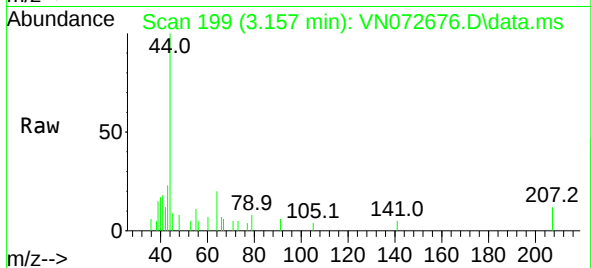




#6
Chloroethane
Concen: 0.468 ug/l
RT: 3.157 min Scan# 14
Delta R.T. 0.141 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

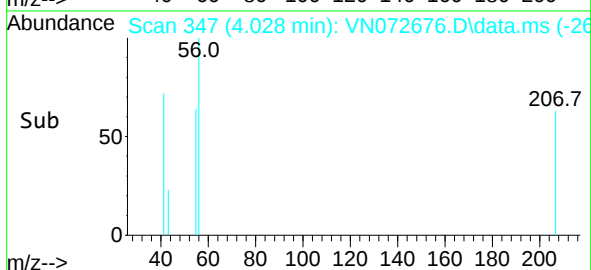
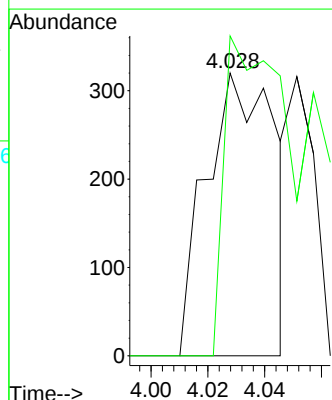
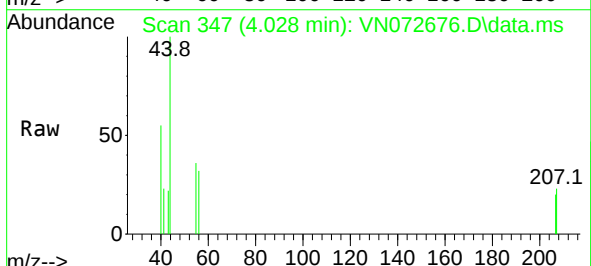
Instrument :
MSVOA_N
ClientSampleId :
14B-3

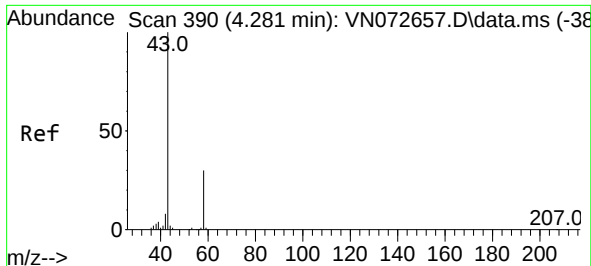
Tgt Ion: 64 Resp: 892
Ion Ratio Lower Upper
64 100
66 34.4 24.6 36.8



#13
Acrolein
Concen: 1.163 ug/l
RT: 4.028 min Scan# 347
Delta R.T. -0.006 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

Tgt Ion: 56 Resp: 540
Ion Ratio Lower Upper
56 100
55 44.8 57.6 86.4#





#15

Acetone

Concen: 6.535 ug/l

RT: 4.292 min Scan# 392

Delta R.T. 0.012 min

Lab File: VN072676.D

Acq: 06 Jun 2022 20:43

Instrument :

MSVOA_N

ClientSampleId :

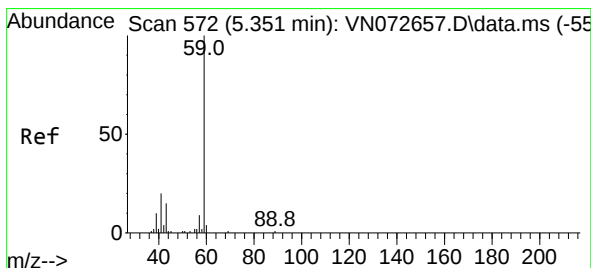
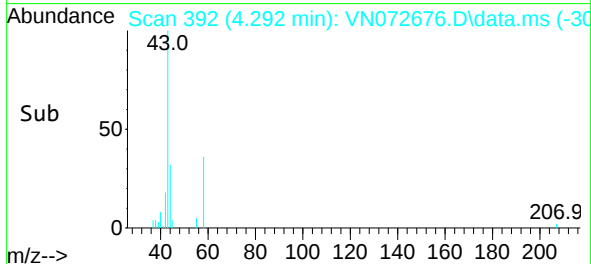
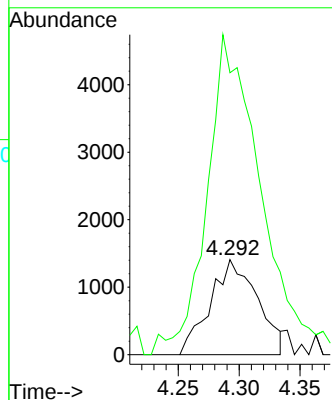
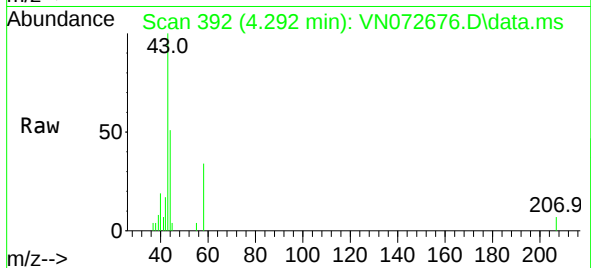
14B-3

Tgt Ion: 58 Resp: 3824

Ion Ratio Lower Upper

58 100

43 271.8 256.6 384.8



#23

tert-Butyl Alcohol

Concen: 0.219 ug/l

RT: 5.345 min Scan# 571

Delta R.T. -0.006 min

Lab File: VN072676.D

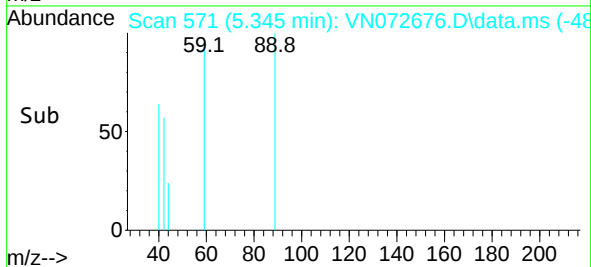
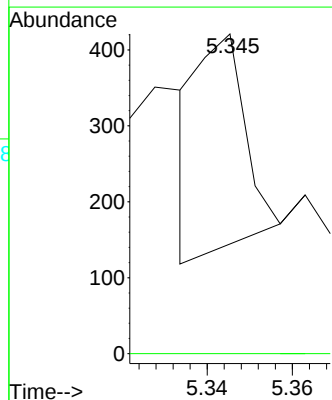
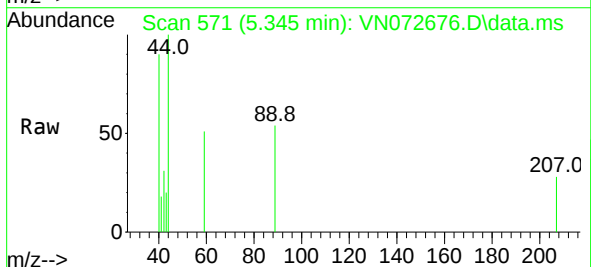
Acq: 06 Jun 2022 20:43

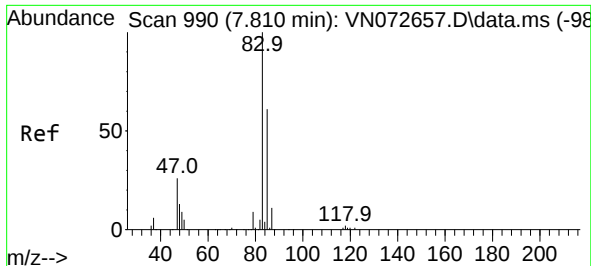
Tgt Ion: 59 Resp: 220

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

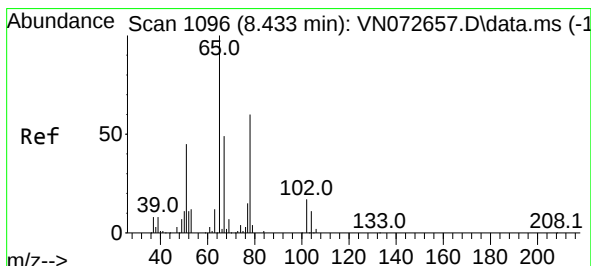
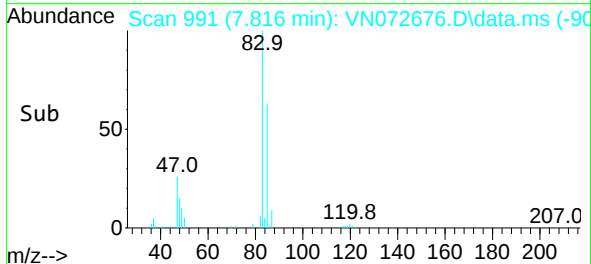
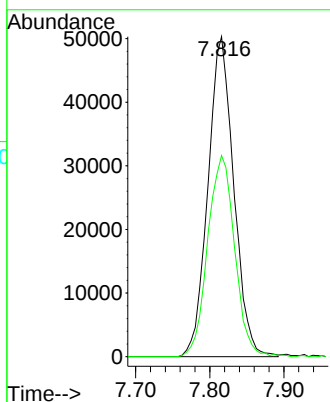
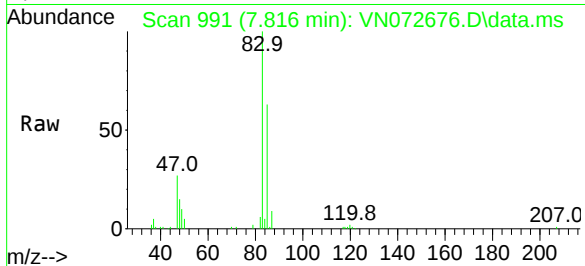




#25
Chloroform
Concen: 19.403 ug/l
RT: 7.816 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

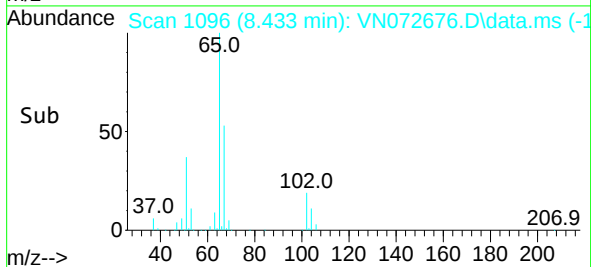
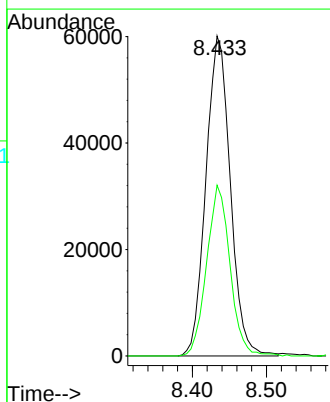
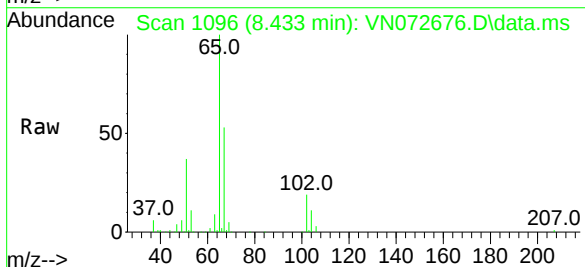
Instrument :
MSVOA_N
ClientSampleId :
14B-3

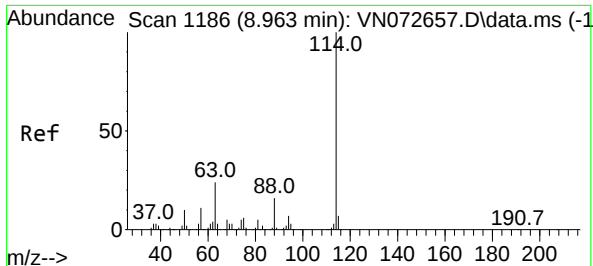
Tgt Ion: 83 Resp: 121756
Ion Ratio Lower Upper
83 100
85 62.8 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 31.014 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

Tgt Ion: 65 Resp: 137587
Ion Ratio Lower Upper
65 100
67 50.9 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: VN072676.D

Acq: 06 Jun 2022 20:43

Instrument :

MSVOA_N

ClientSampleId :

14B-3

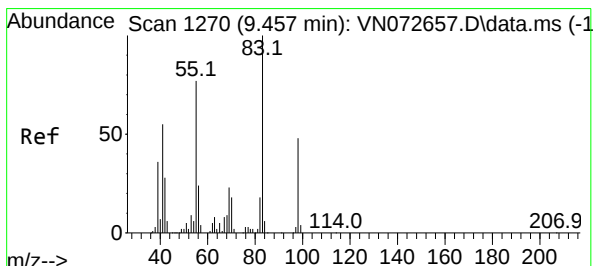
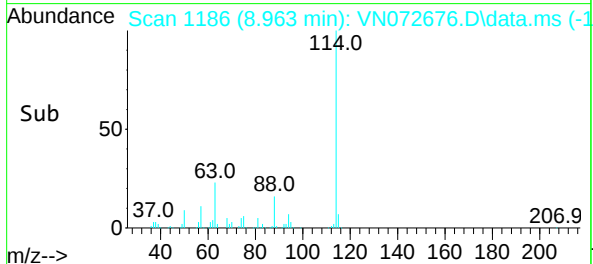
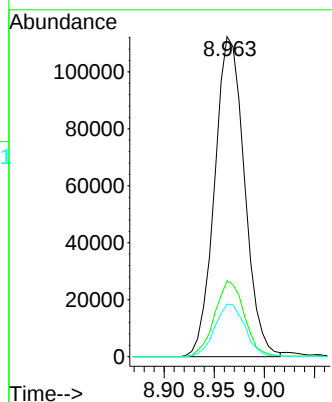
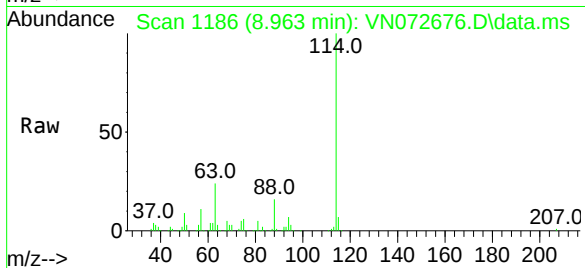
Tgt Ion:114 Resp: 232606

Ion Ratio Lower Upper

114 100

63 23.6 15.8 23.6

88 16.4 11.6 17.4



#38

Methylcyclohexane

Concen: 1.910 ug/l

RT: 9.757 min Scan# 1321

Delta R.T. 0.300 min

Lab File: VN072676.D

Acq: 06 Jun 2022 20:43

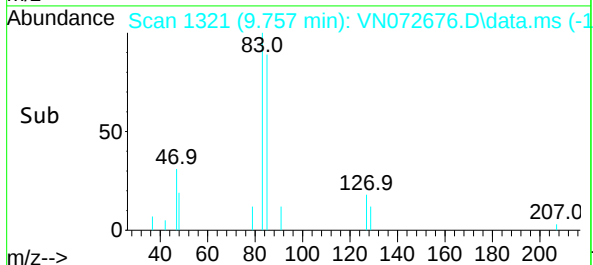
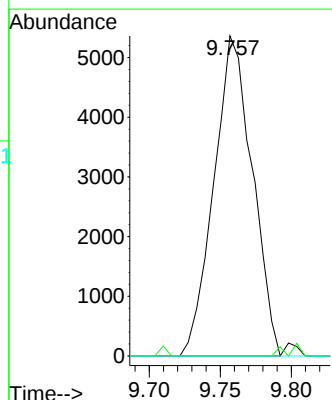
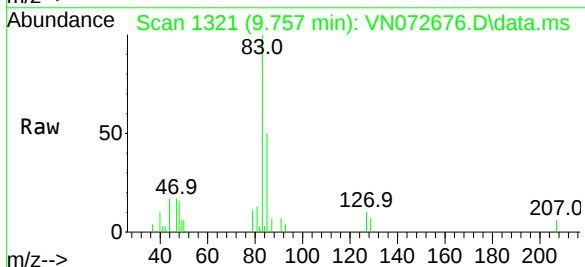
Tgt Ion: 83 Resp: 10112

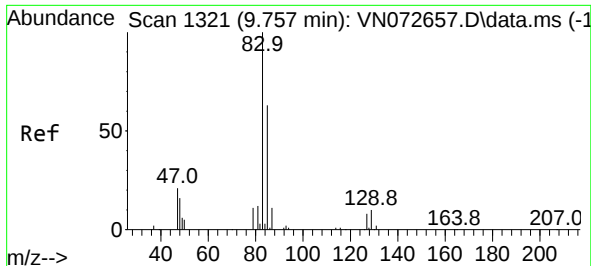
Ion Ratio Lower Upper

83 100

55 0.5 35.1 105.3#

98 0.0 23.4 70.2#

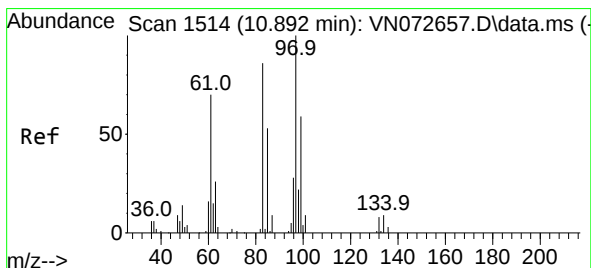
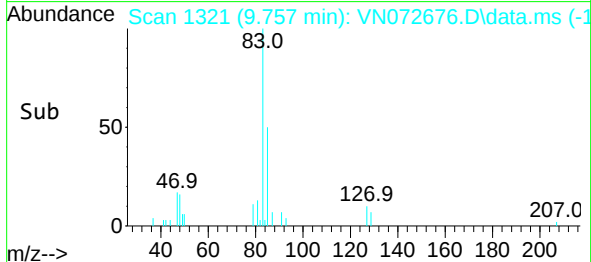
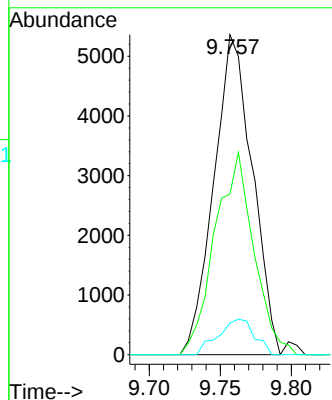
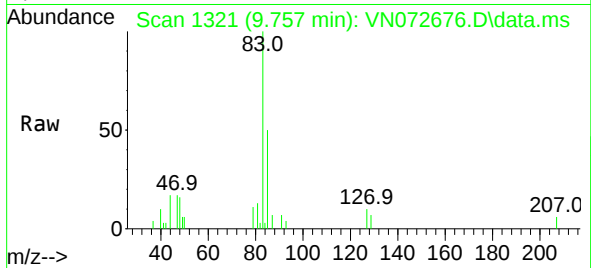




#41
Bromodichloromethane
Concen: 1.911 ug/l
RT: 9.757 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

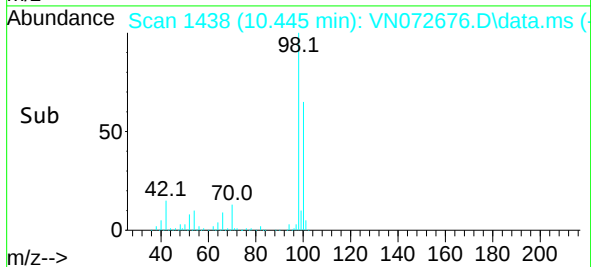
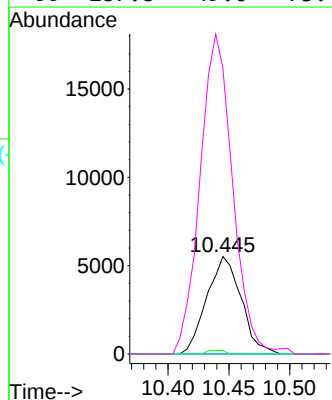
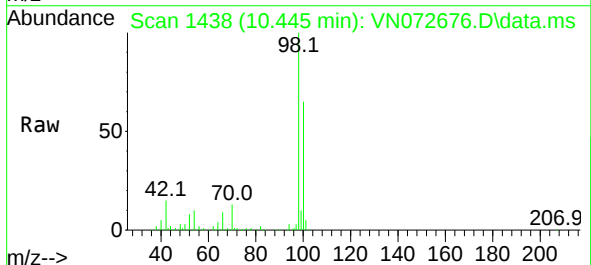
Instrument :
MSVOA_N
ClientSampleId :
14B-3

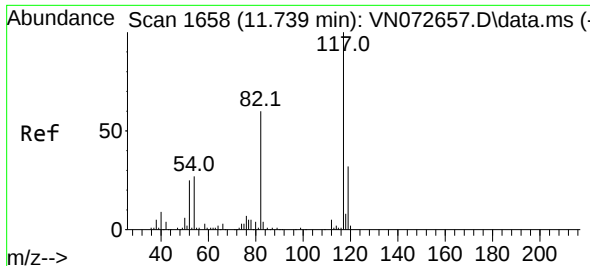
Tgt Ion: 83 Resp: 10112
Ion Ratio Lower Upper
83 100
85 50.2 54.1 81.1#
127 9.9 7.6 11.4



#50
1,1,2-Trichloroethane
Concen: 3.096 ug/l
RT: 10.445 min Scan# 1438
Delta R.T. -0.447 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

Tgt Ion: 97 Resp: 10829
Ion Ratio Lower Upper
97 100
83 3.6 67.2 100.8#
85 0.0 43.0 64.4#
99 287.8 49.0 73.4#

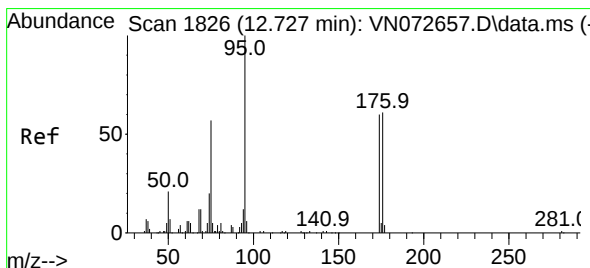
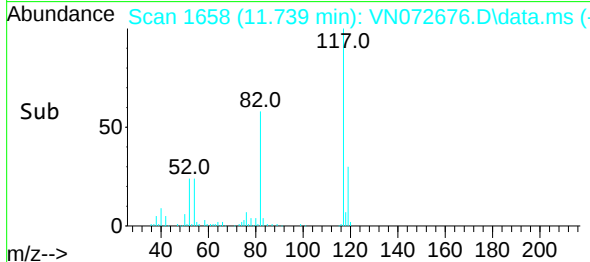
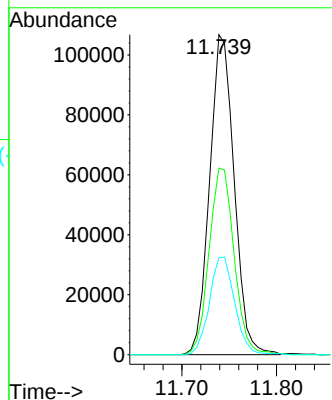
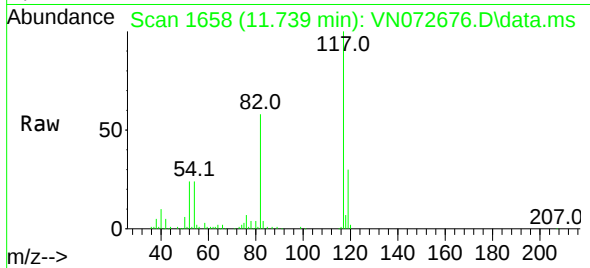




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.739 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

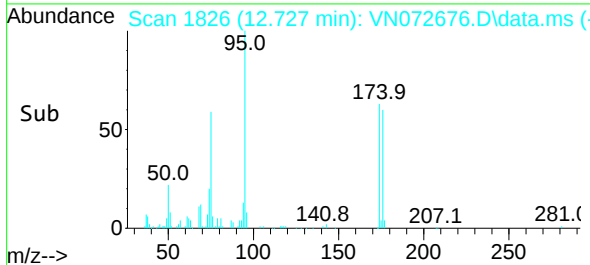
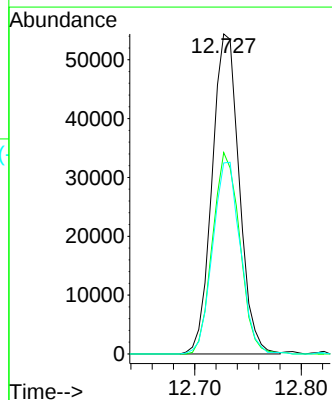
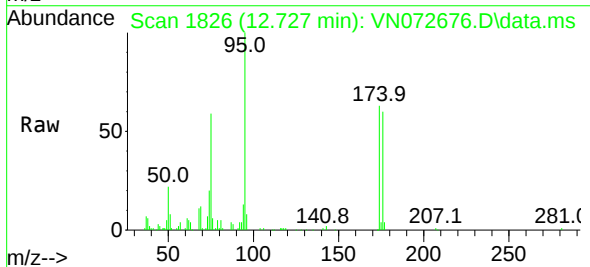
Instrument :
MSVOA_N
ClientSampleId :
14B-3

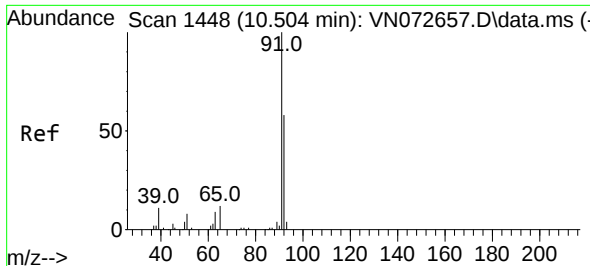
Tgt Ion:117 Resp: 192574
Ion Ratio Lower Upper
117 100
82 59.7 43.6 65.4
119 31.4 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 24.271 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

Tgt Ion: 95 Resp: 96133
Ion Ratio Lower Upper
95 100
174 63.0 62.9 94.3
176 61.2 61.0 91.4

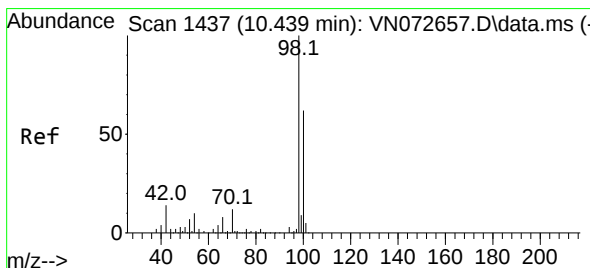
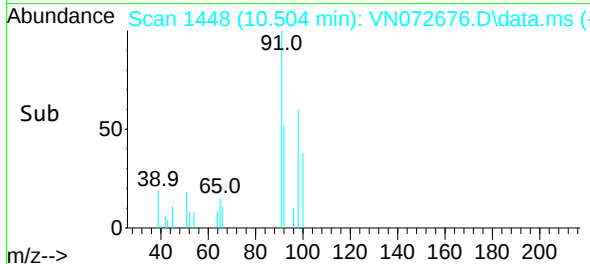
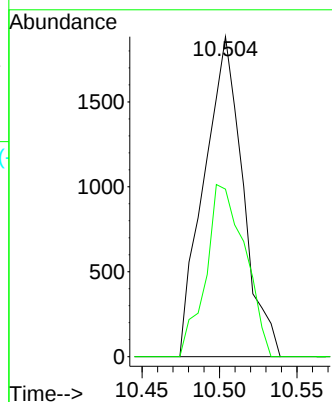
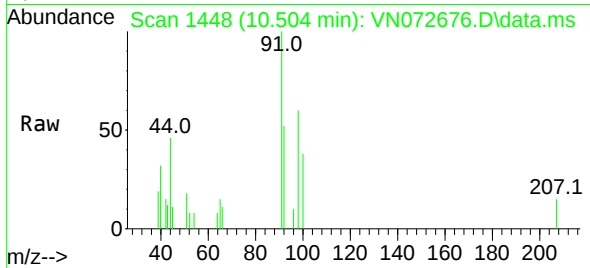




#62
Toluene
Concen: 0.251 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

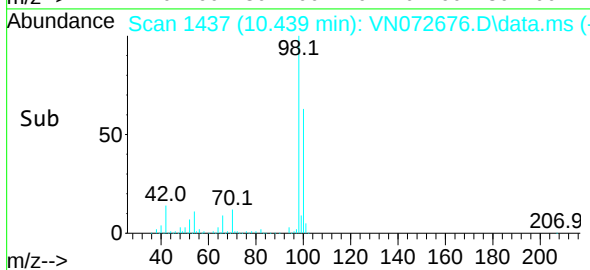
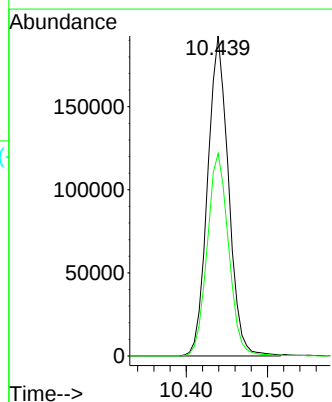
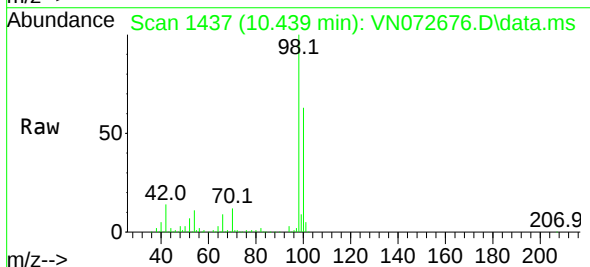
Instrument :
MSVOA_N
ClientSampleId :
14B-3

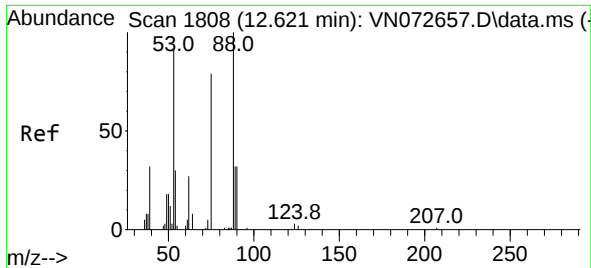
Tgt Ion: 91 Resp: 3275
Ion Ratio Lower Upper
91 100
92 54.4 44.6 67.0



#63
Toluene-d8
Concen: 32.220 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072676.D
Acq: 06 Jun 2022 20:43

Tgt Ion: 98 Resp: 343710
Ion Ratio Lower Upper
98 100
100 64.6 50.6 76.0





#77

t-1,4-Dichloro-2-butene

Concen: 29.785 ug/l

RT: 12.727 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN072676.D

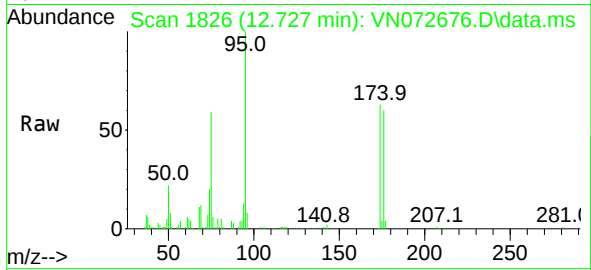
Acq: 06 Jun 2022 20:43

Instrument :

MSVOA_N

ClientSampleId :

14B-3



Tgt Ion: 75 Resp: 54055

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

