

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060722\
 Data File : VN072685.D
 Acq On : 07 Jun 2022 14:05
 Operator : JC\MD
 Sample : N3172-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 14B-3

Quant Time: Jun 08 09:51:48 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)

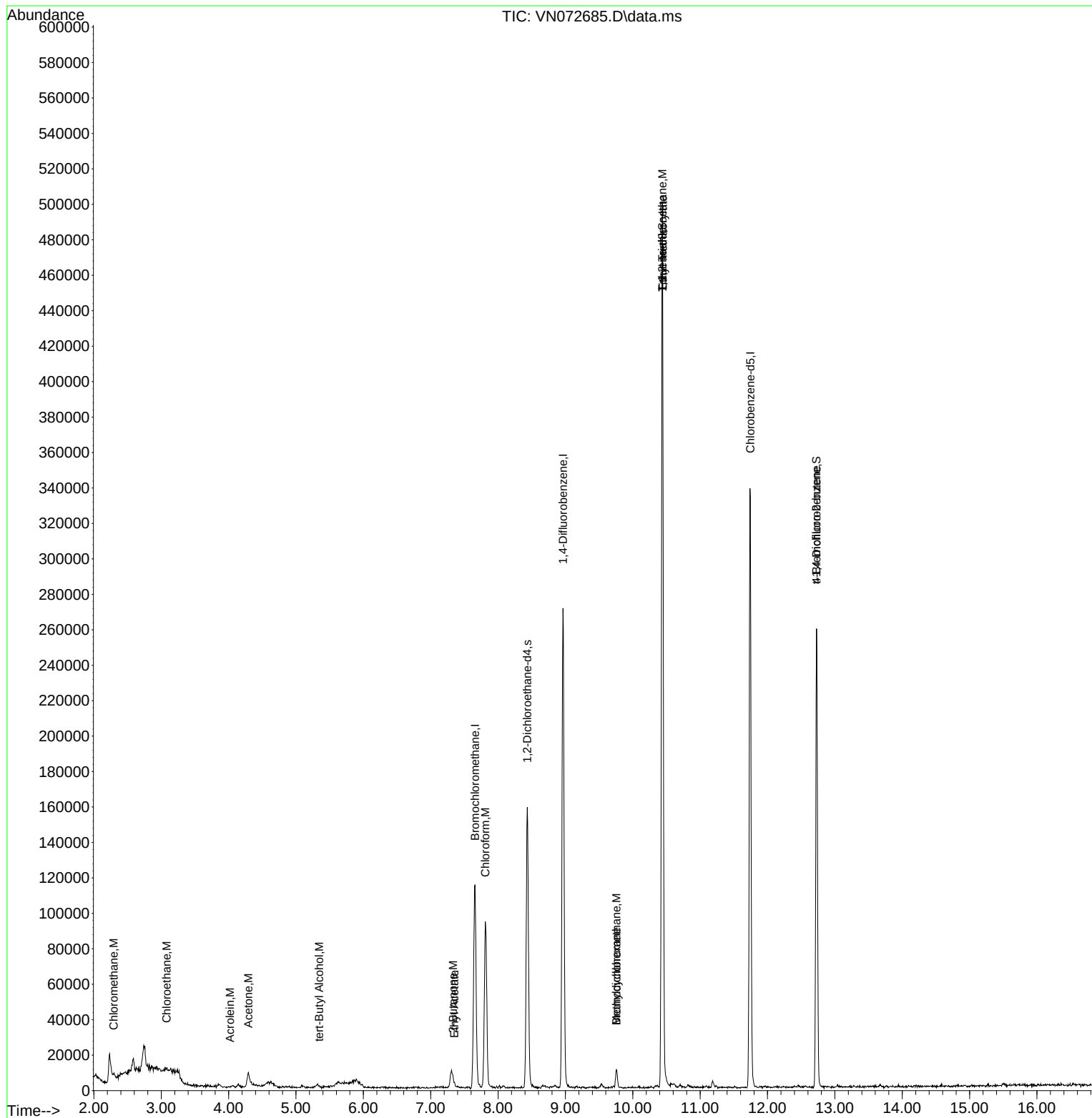
Internal Standards						
1) Bromochloromethane	7.657	128	38903	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.963	114	228561	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.745	117	184900	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.433	65	132652	29.898	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	99.667%
60) 4-Bromofluorobenzene	12.727	95	94279	24.791	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	82.633%
63) Toluene-d8	10.439	98	334165	32.625	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	108.733%
Target Compounds						
					Qvalue	
3) Chloromethane	2.293	50	909	0.287	ug/l #	34
6) Chloroethane	3.081	64	577	0.303	ug/l	92
13) Acrolein	4.022	56	160	0.345	ug/l	94
15) Acetone	4.293	58	3840	6.561	ug/l	73
23) tert-Butyl Alcohol	5.345	59	395	0.393	ug/l #	100
25) Chloroform	7.810	83	88295	14.069	ug/l	95
30) 2-Butanone	7.333	43	1293	0.410	ug/l #	79
38) Methylcyclohexane	9.757	83	7577	1.457	ug/l #	21
41) Bromodichloromethane	9.757	83	7577	1.457	ug/l #	81
43) Ethyl Acetate	7.351	43	1721	0.285	ug/l	95
50) 1,1,2-Trichloroethane	10.439	97	9750	2.837	ug/l #	1
51) Ethyl methacrylate	10.445	69	1348	0.217	ug/l	79
77) t-1,4-Dichloro-2-butene	12.727	75	54105	31.049	ug/l #	8

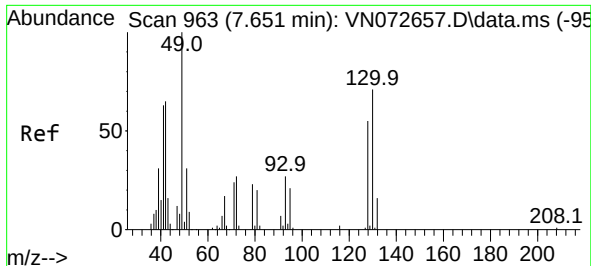
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
14B-3

Quant Time: Jun 08 09:51:48 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

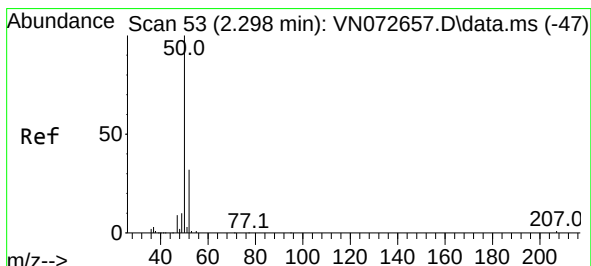
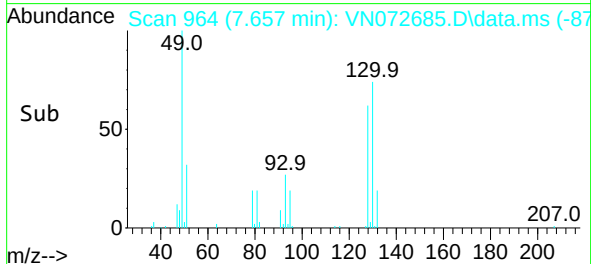
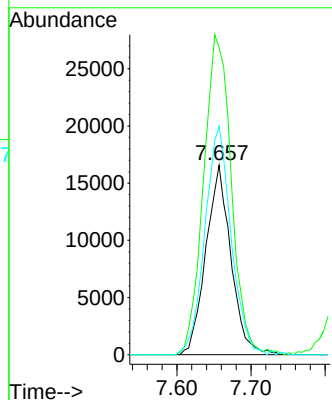
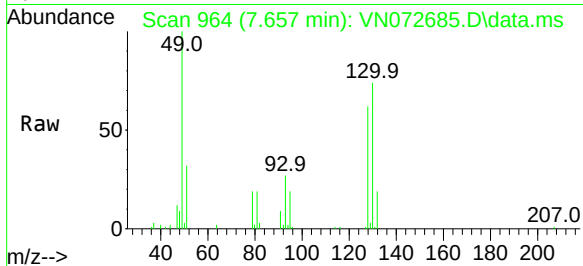




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.657 min Scan# 90
Delta R.T. 0.006 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

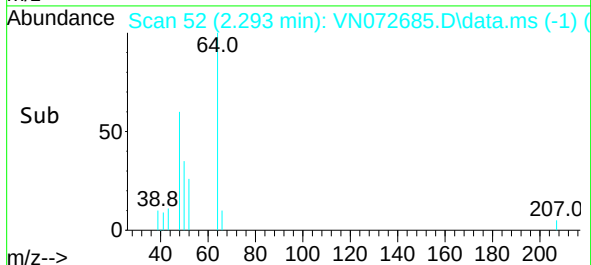
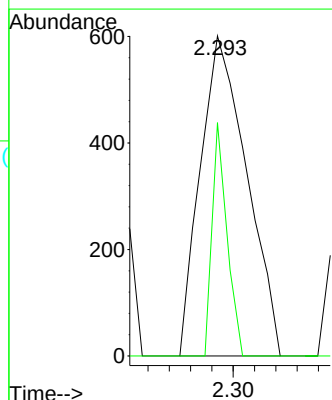
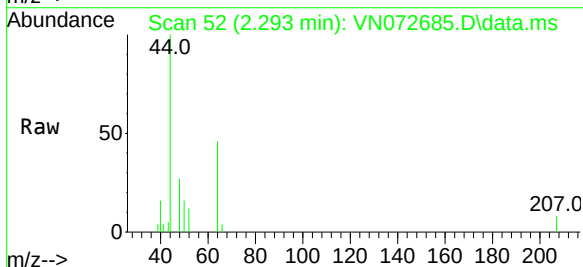
Instrument :
MSVOA_N
ClientSampleId :
14B-3

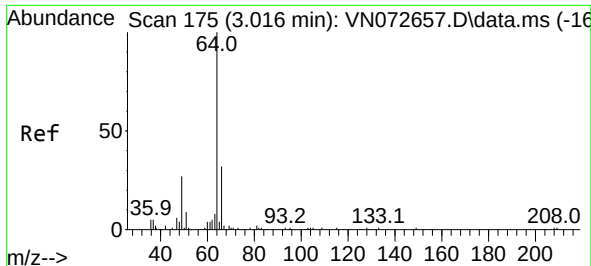
Tgt Ion:128 Resp: 38903
Ion Ratio Lower Upper
128 100
49 185.9 0.0 392.3
130 126.3 0.0 320.2



#3
Chloromethane
Concen: 0.287 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

Tgt Ion: 50 Resp: 909
Ion Ratio Lower Upper
50 100
52 72.9 27.8 41.6#

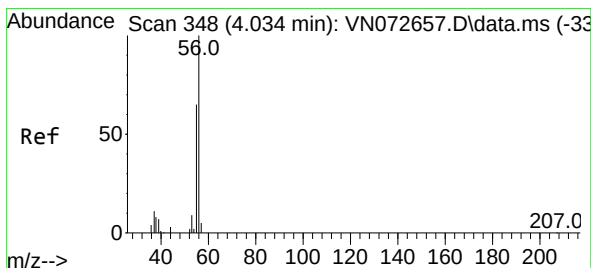
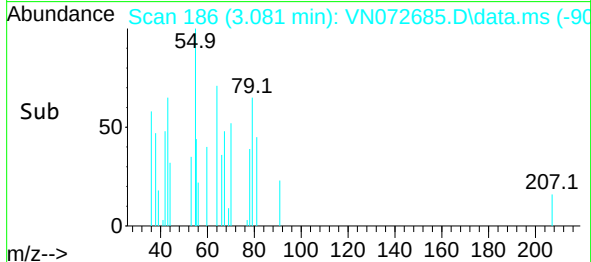
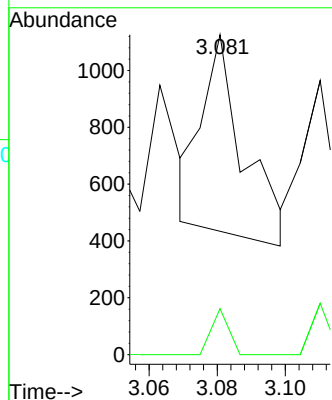
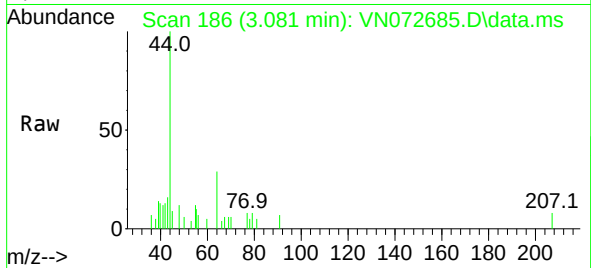




#6
Chloroethane
Concen: 0.303 ug/l
RT: 3.081 min Scan# 11
Delta R.T. 0.065 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

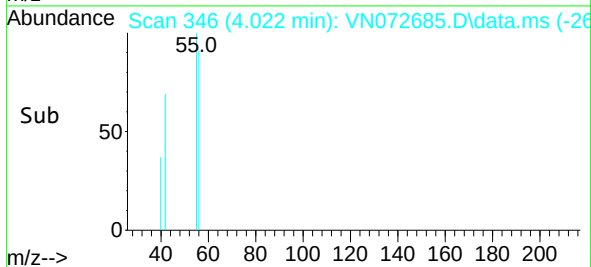
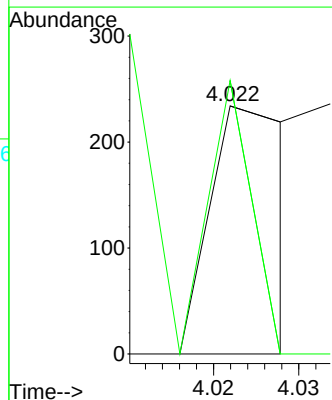
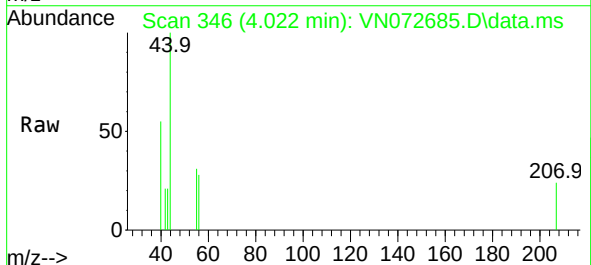
Instrument :
MSVOA_N
ClientSampleId :
14B-3

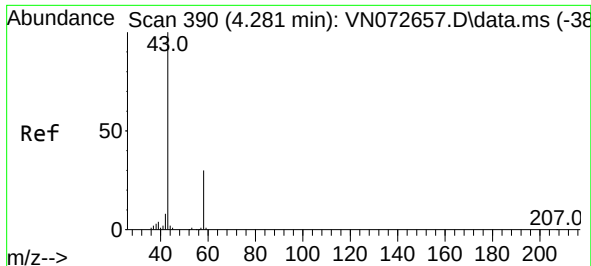
Tgt Ion: 64 Resp: 577
Ion Ratio Lower Upper
64 100
66 26.3 24.6 36.8



#13
Acrolein
Concen: 0.345 ug/l
RT: 4.022 min Scan# 346
Delta R.T. -0.012 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

Tgt Ion: 56 Resp: 160
Ion Ratio Lower Upper
56 100
55 66.9 57.6 86.4





#15

Acetone

Concen: 6.561 ug/l

RT: 4.293 min Scan# 392

Delta R.T. 0.012 min

Lab File: VN072685.D

Acq: 07 Jun 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

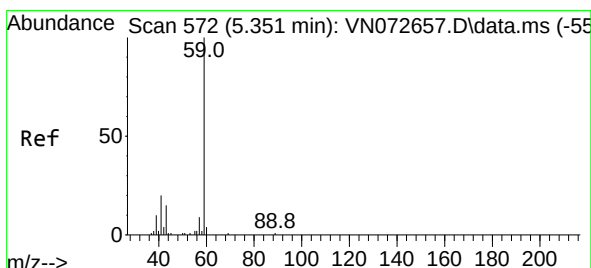
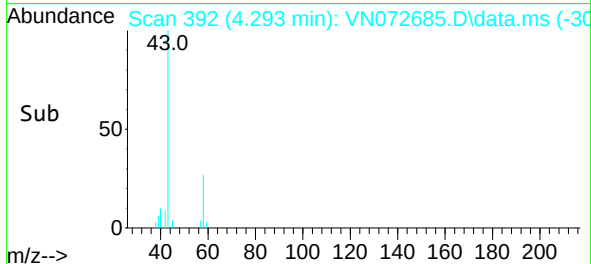
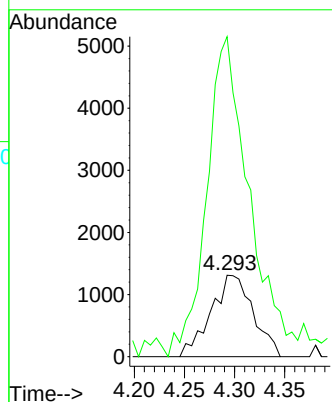
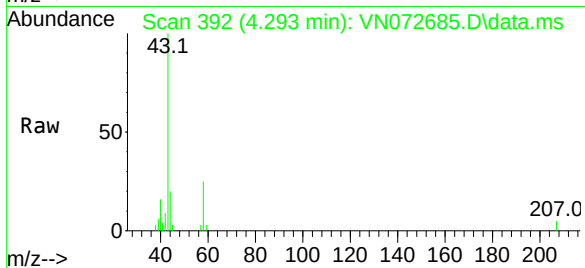
14B-3

Tgt Ion: 58 Resp: 3840

Ion Ratio Lower Upper

58 100

43 376.0 256.6 384.8



#23

tert-Butyl Alcohol

Concen: 0.393 ug/l

RT: 5.345 min Scan# 571

Delta R.T. -0.006 min

Lab File: VN072685.D

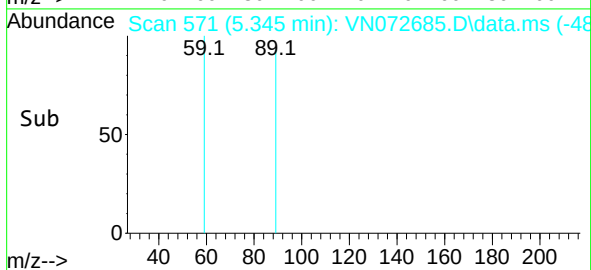
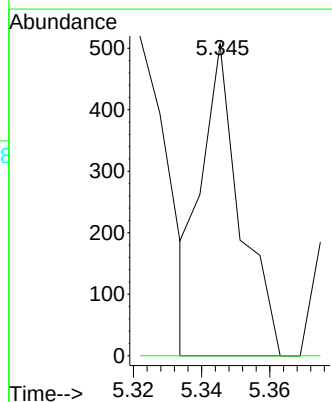
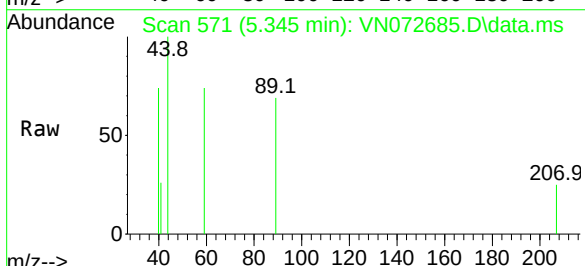
Acq: 07 Jun 2022 14:05

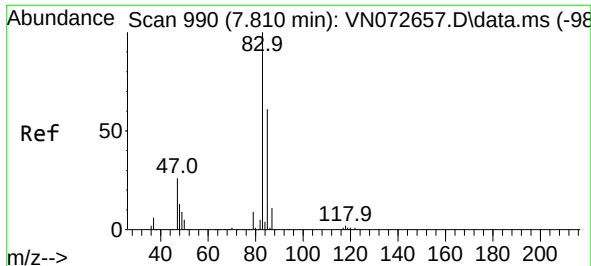
Tgt Ion: 59 Resp: 395

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0

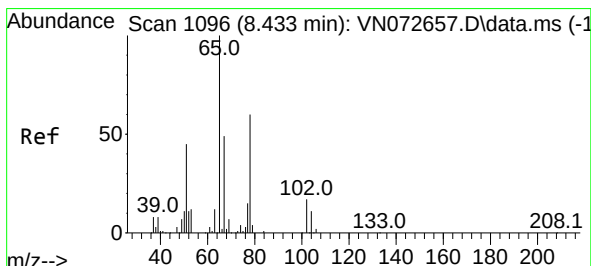
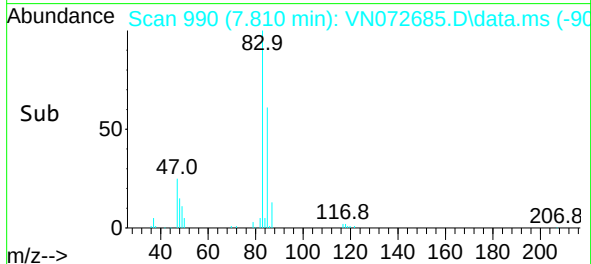
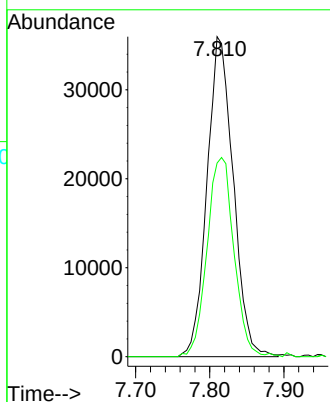
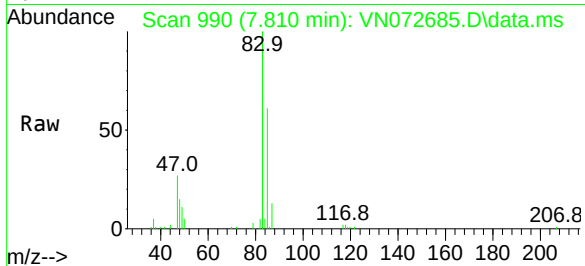




#25
Chloroform
Concen: 14.069 ug/l
RT: 7.810 min Scan# 990
Delta R.T. 0.000 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

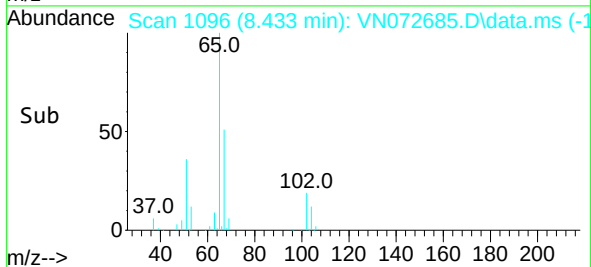
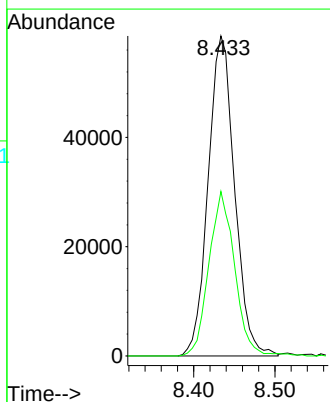
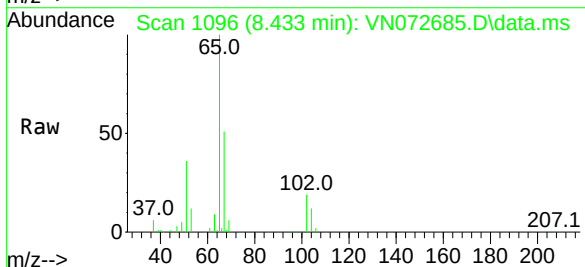
Instrument :
MSVOA_N
ClientSampleId :
14B-3

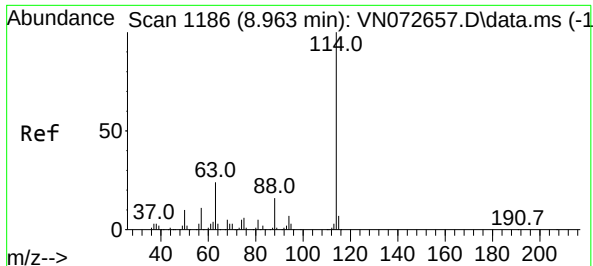
Tgt Ion: 83 Resp: 88295
Ion Ratio Lower Upper
83 100
85 60.5 51.3 76.9



#27
1,2-Dichloroethane-d4
Concen: 29.898 ug/l
RT: 8.433 min Scan# 1096
Delta R.T. 0.000 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

Tgt Ion: 65 Resp: 132652
Ion Ratio Lower Upper
65 100
67 49.6 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: VN072685.D

Acq: 07 Jun 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

14B-3

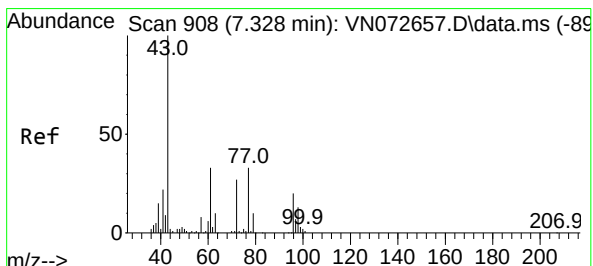
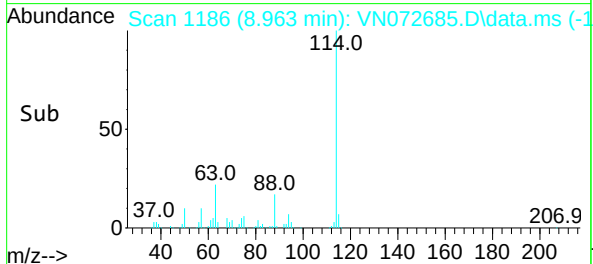
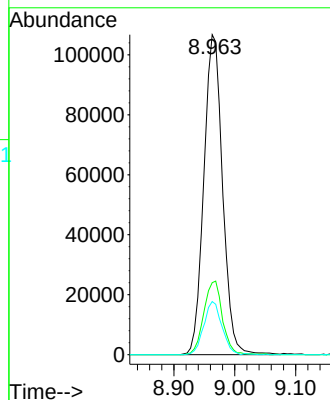
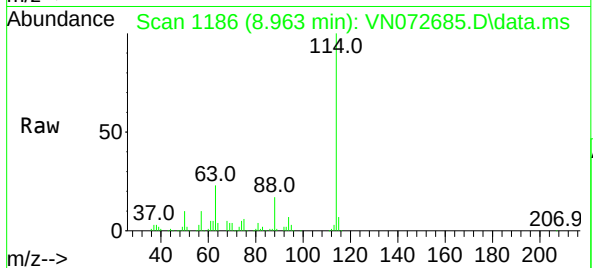
Tgt Ion:114 Resp: 228561

Ion Ratio Lower Upper

114 100

63 22.7 15.8 23.6

88 16.0 11.6 17.4



#30

2-Butanone

Concen: 0.410 ug/l

RT: 7.333 min Scan# 909

Delta R.T. 0.006 min

Lab File: VN072685.D

Acq: 07 Jun 2022 14:05

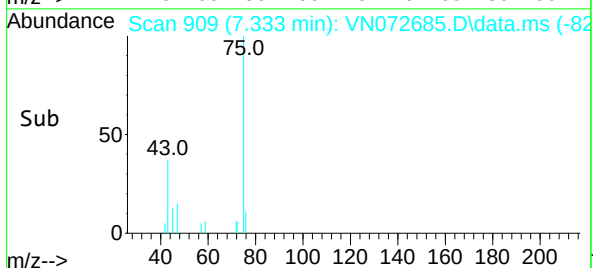
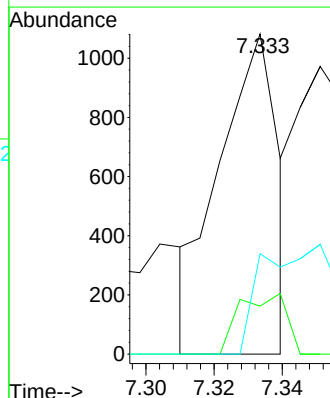
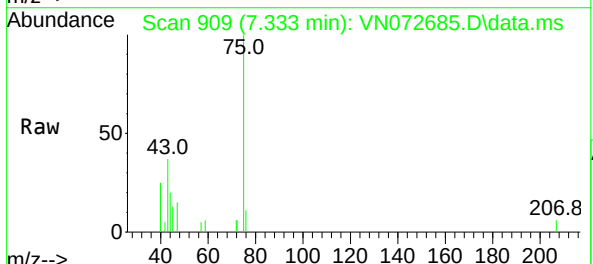
Tgt Ion: 43 Resp: 1293

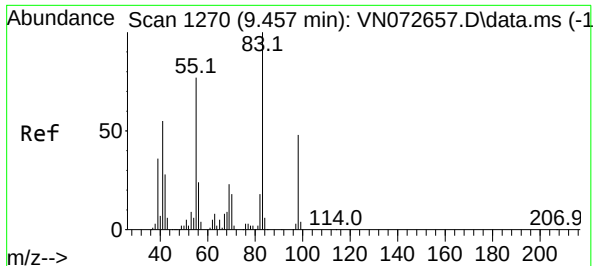
Ion Ratio Lower Upper

43 100

57 15.1 6.7 10.1#

72 17.2 23.2 34.8#





#38

Methylcyclohexane

Concen: 1.457 ug/l

RT: 9.757 min Scan# 1321

Delta R.T. 0.300 min

Lab File: VN072685.D

Acq: 07 Jun 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

14B-3

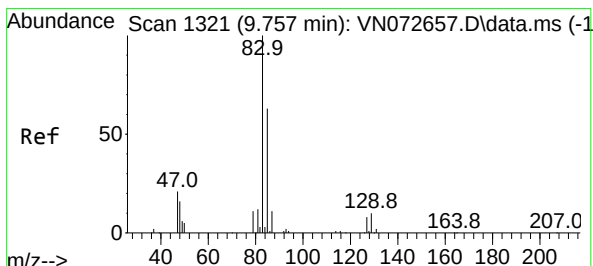
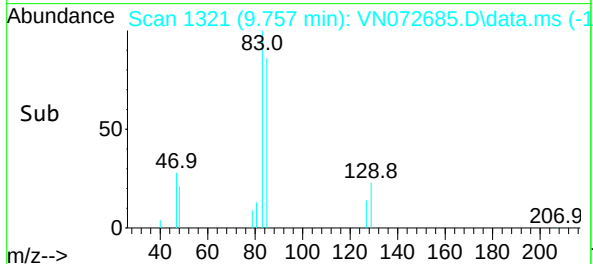
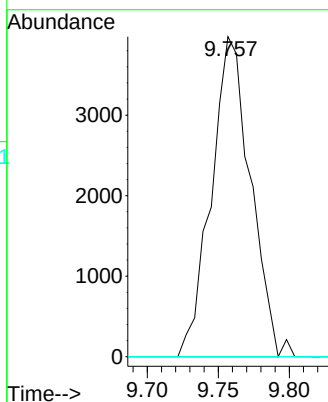
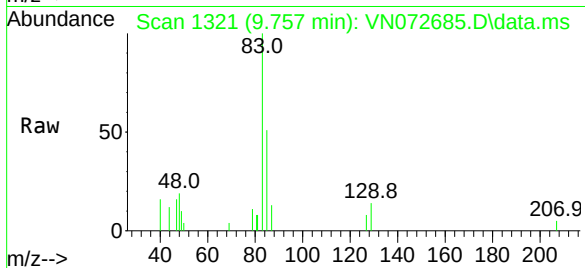
Tgt Ion: 83 Resp: 7577

Ion Ratio Lower Upper

83 100

55 0.0 35.1 105.3#

98 0.0 23.4 70.2#



#41

Bromodichloromethane

Concen: 1.457 ug/l

RT: 9.757 min Scan# 1321

Delta R.T. 0.000 min

Lab File: VN072685.D

Acq: 07 Jun 2022 14:05

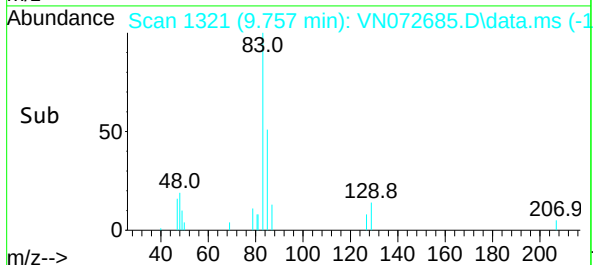
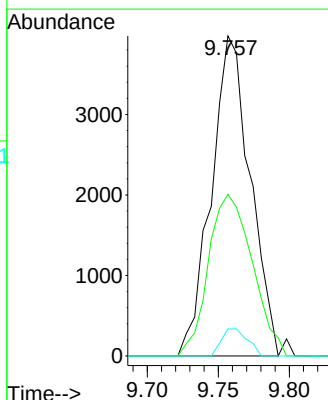
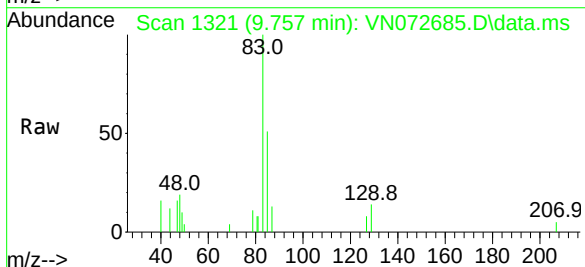
Tgt Ion: 83 Resp: 7577

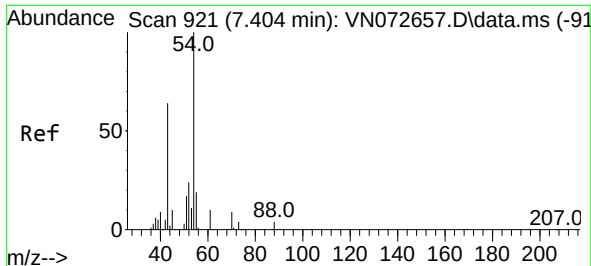
Ion Ratio Lower Upper

83 100

85 50.6 54.1 81.1#

127 8.5 7.6 11.4

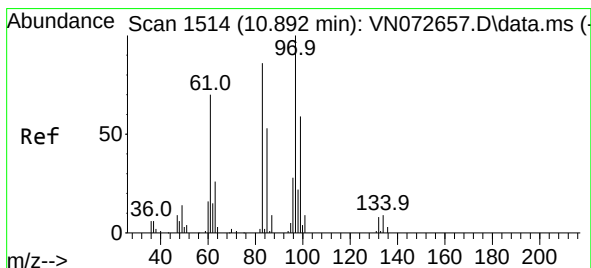
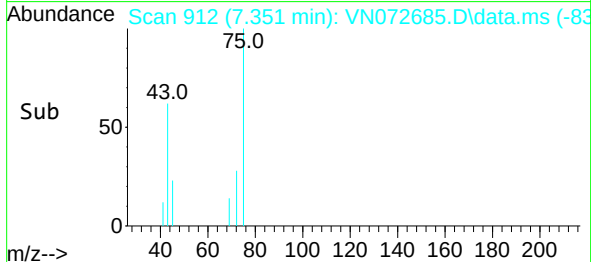
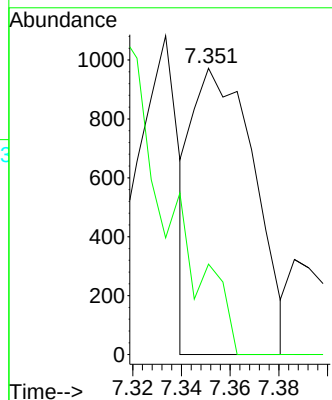
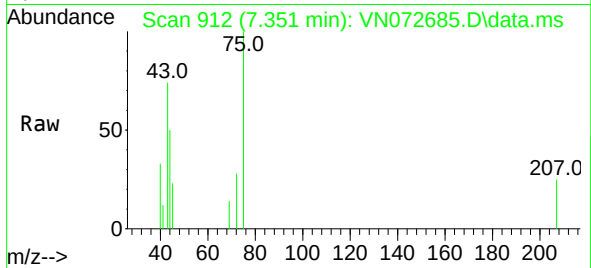




#43
Ethyl Acetate
Concen: 0.285 ug/l
RT: 7.351 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

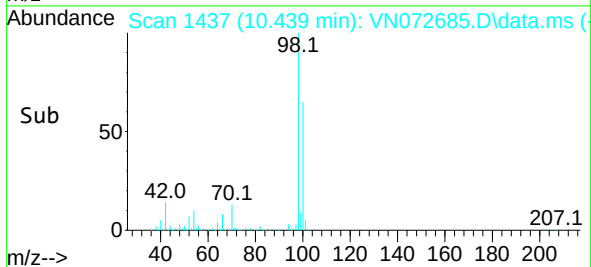
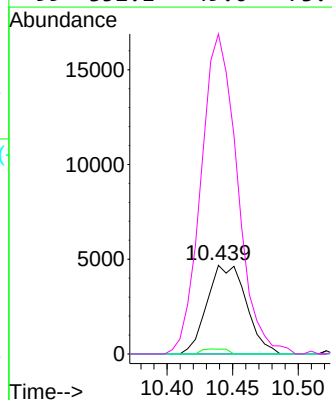
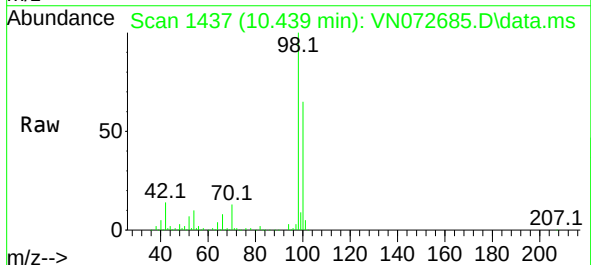
Instrument :
MSVOA_N
ClientSampleId :
14B-3

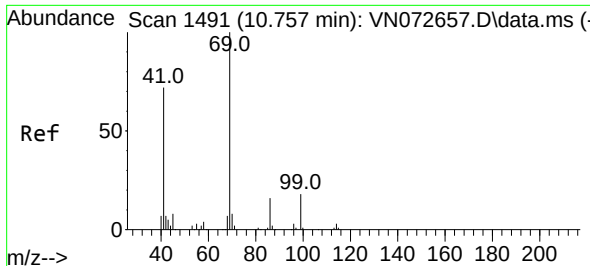
Tgt Ion: 43 Resp: 1721
Ion Ratio Lower Upper
43 100
45 11.3 10.6 16.0



#50
1,1,2-Trichloroethane
Concen: 2.837 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. -0.453 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

Tgt Ion: 97 Resp: 9750
Ion Ratio Lower Upper
97 100
83 5.4 67.2 100.8#
85 0.0 43.0 64.4#
99 352.1 49.0 73.4#

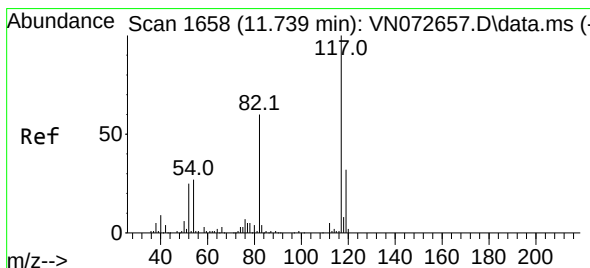
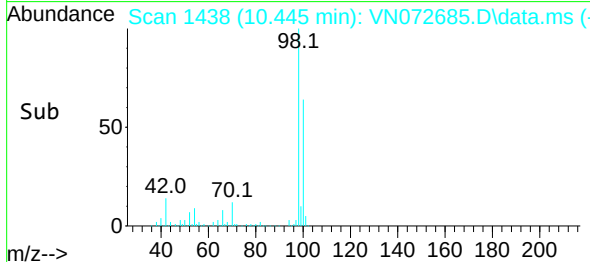
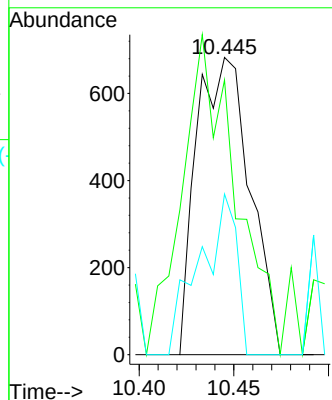
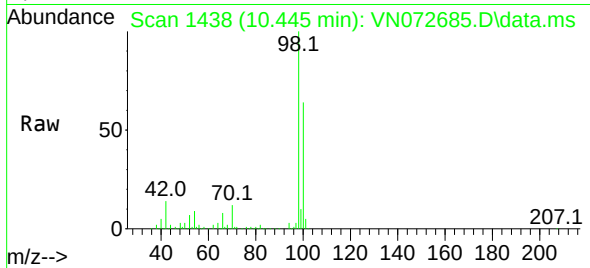




#51
Ethyl methacrylate
Concen: 0.217 ug/l
RT: 10.445 min Scan# 1491
Delta R.T. -0.312 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

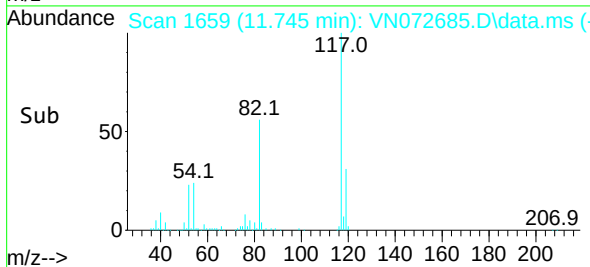
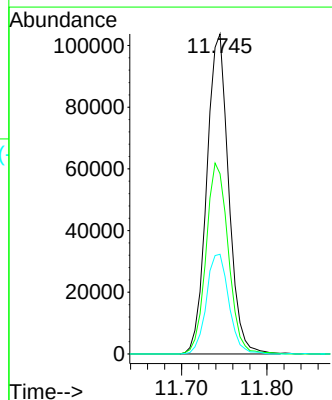
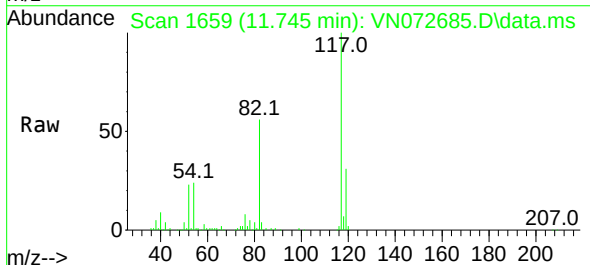
Instrument :
MSVOA_N
ClientSampleId :
14B-3

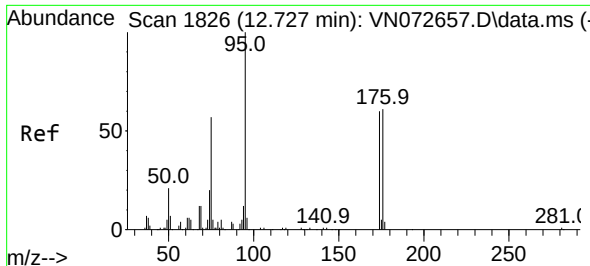
Tgt Ion: 69 Resp: 1348
Ion Ratio Lower Upper
69 100
41 92.4 33.0 98.9
39 54.0 25.4 76.4



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.745 min Scan# 1659
Delta R.T. 0.006 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

Tgt Ion: 117 Resp: 184900
Ion Ratio Lower Upper
117 100
82 60.7 43.6 65.4
119 31.9 25.8 38.6

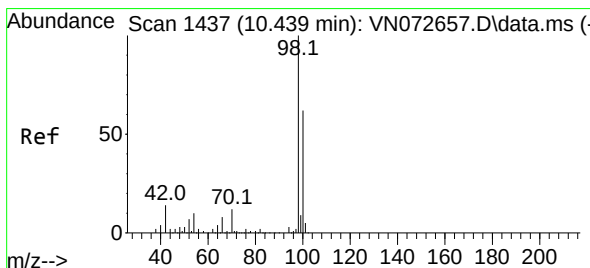
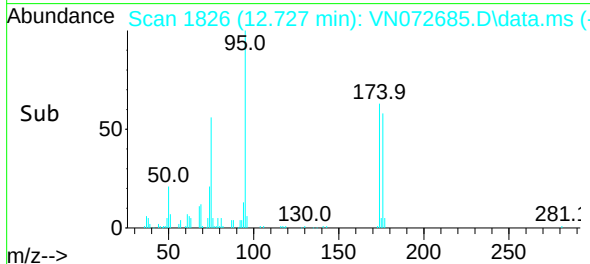
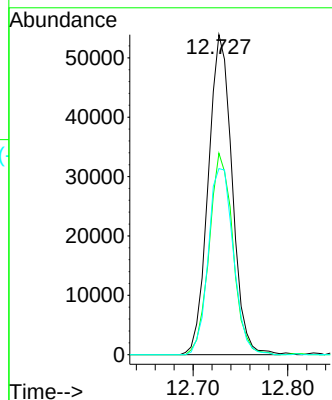
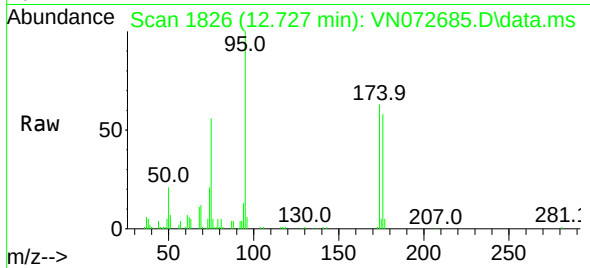




#60
4-Bromofluorobenzene
Concen: 24.791 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

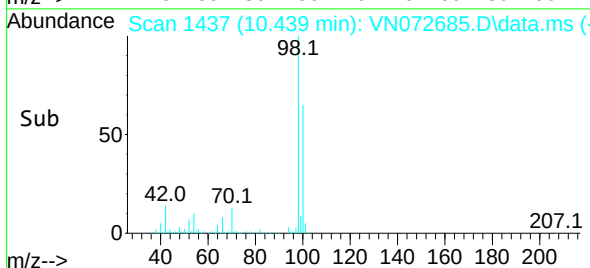
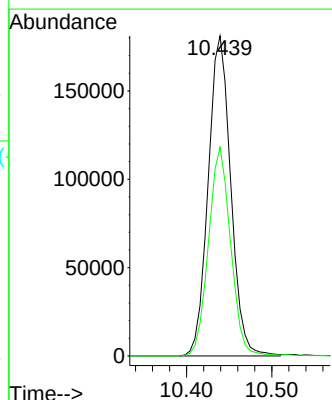
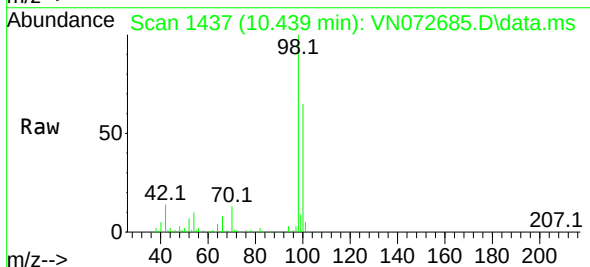
Instrument :
MSVOA_N
ClientSampleId :
14B-3

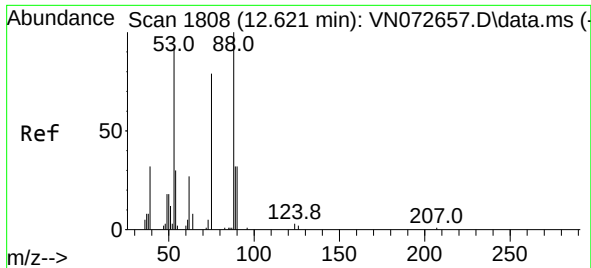
Tgt Ion: 95 Resp: 94279
Ion Ratio Lower Upper
95 100
174 62.3 62.9 94.3#
176 61.1 61.0 91.4



#63
Toluene-d8
Concen: 32.625 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072685.D
Acq: 07 Jun 2022 14:05

Tgt Ion: 98 Resp: 334165
Ion Ratio Lower Upper
98 100
100 63.8 50.6 76.0





#77

t-1,4-Dichloro-2-butene

Concen: 31.049 ug/l

RT: 12.727 min Scan# 11

Delta R.T. 0.106 min

Lab File: VN072685.D

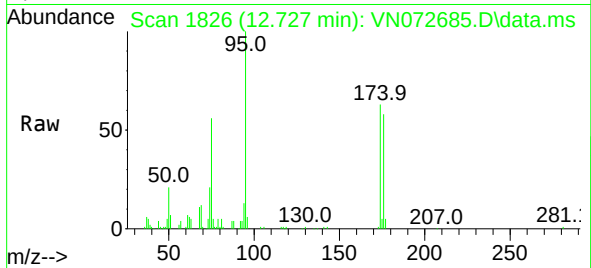
Acq: 07 Jun 2022 14:05

Instrument :

MSVOA_N

ClientSampleId :

14B-3



Tgt Ion: 75 Resp: 54105

Ion Ratio Lower Upper

75 100

53 0.0 51.8 155.5#

89 0.0 22.9 68.7#

