

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070040.D
 Acq On : 13 Dec 2021 18:36
 Operator : JC/MD
 Sample : M5061-01 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 05:28:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Dec 14 00:59:04 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

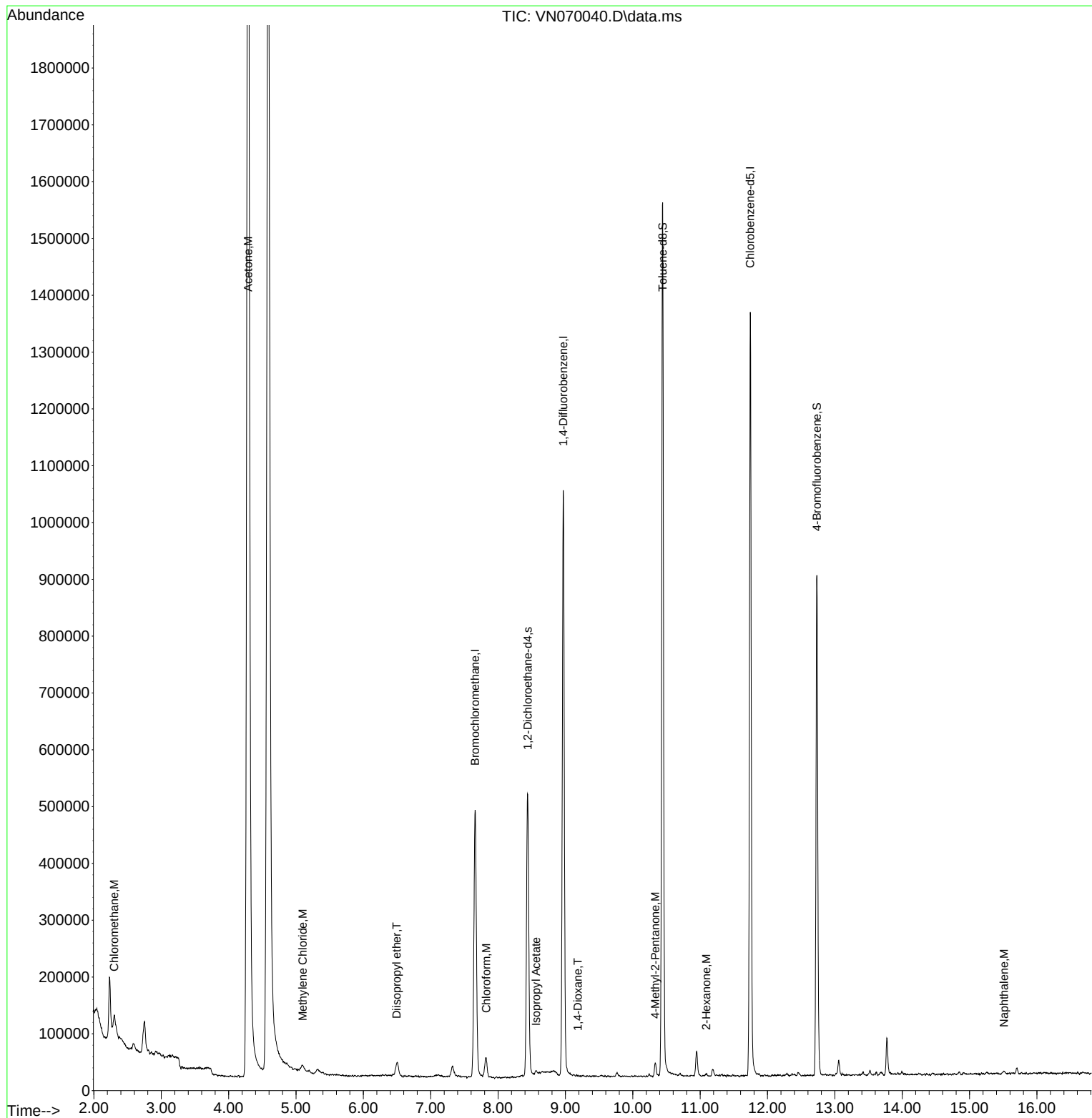
Internal Standards						
1) Bromochloromethane	7.659	128	159902	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	841932	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.744	117	749009	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	434761	30.681	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 102.267%	
60) 4-Bromofluorobenzene	12.734	95	309085	25.078	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 83.600%	
63) Toluene-d8	10.443	98	1038467	30.002	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.000%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	3675	0.276	ug/l	# 86
15) Acetone	4.291	58	1318697	560.138	ug/l	76
18) Methylene Chloride	5.098	84	4617	0.420	ug/l	85
20) Diisopropyl ether	6.495	45	13911	0.354	ug/l	# 91
25) Chloroform	7.823	83	34399	1.672	ug/l	93
44) Isopropyl Acetate	8.566	43	11884	0.426	ug/l	# 57
45) 1,4-Dioxane	9.183	88	54	0.274	ug/l	# 1
58) 4-Methyl-2-Pentanone	10.336	43	18486	1.075	ug/l	# 88
59) 2-Hexanone	11.090	43	2882	0.227	ug/l	# 35
91) Naphthalene	15.509	128	3487	8.140	ug/l	# 82

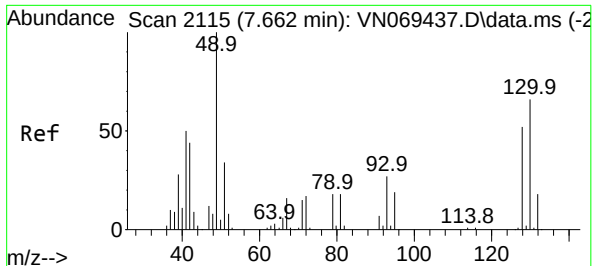
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 14 05:28:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N121321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Dec 14 00:59:04 2021
Response via : Initial Calibration

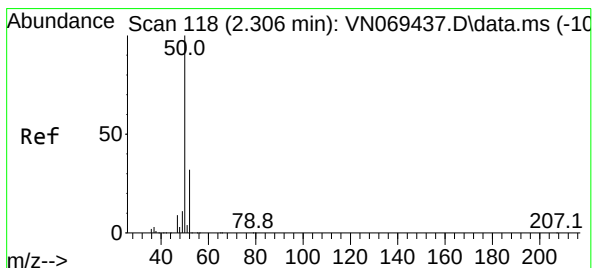
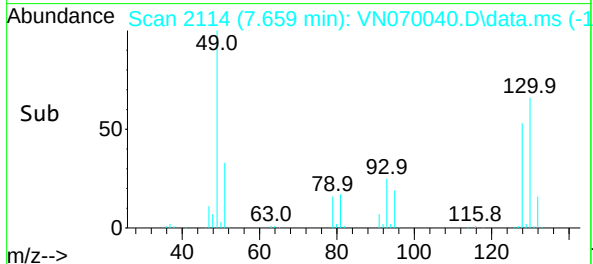
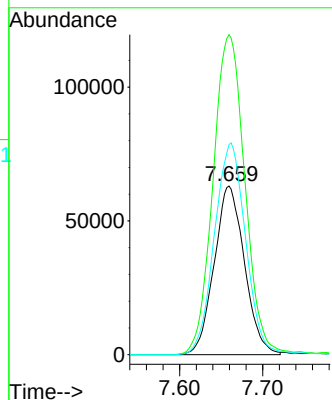
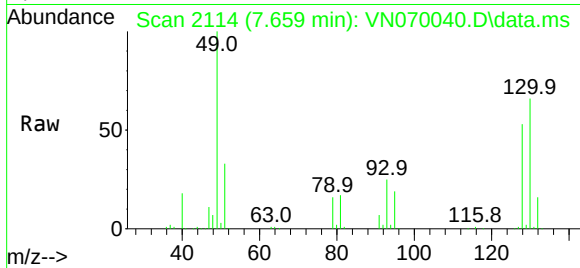




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.659 min Scan# 2115
Delta R.T. 0.002 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

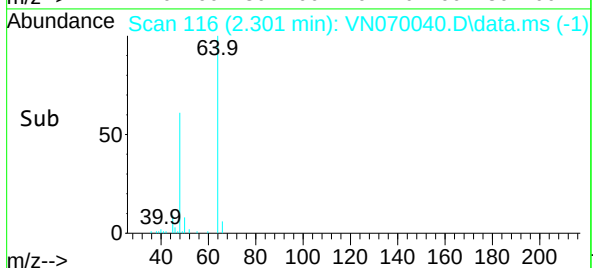
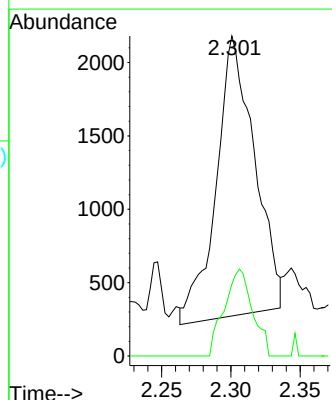
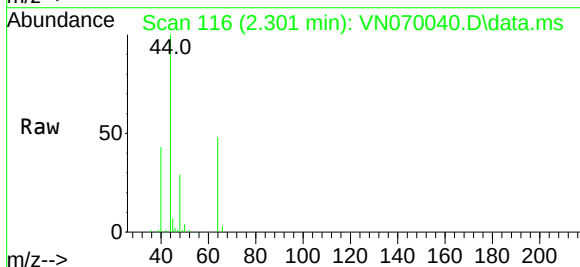
Instrument :
MSVOA_N
ClientSampleId :

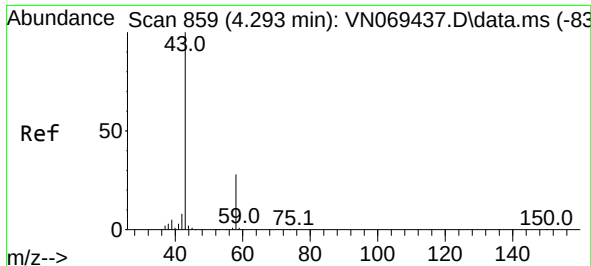
Tgt Ion:128 Resp: 159902
Ion Ratio Lower Upper
128 100
49 198.8 0.0 392.3
130 129.6 0.0 320.2



#3
Chloromethane
Concen: 0.276 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.003 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

Tgt Ion: 50 Resp: 3675
Ion Ratio Lower Upper
50 100
52 26.4 27.8 41.6#

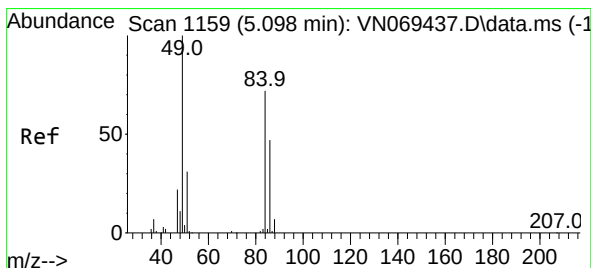
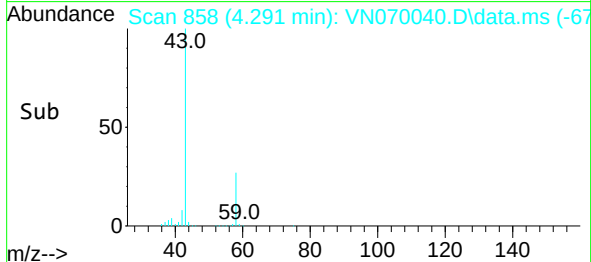
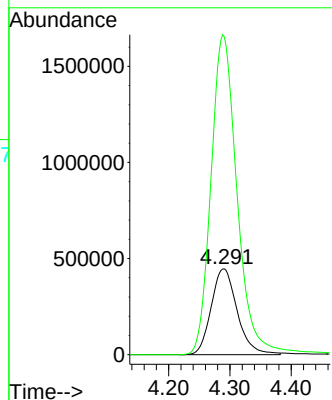
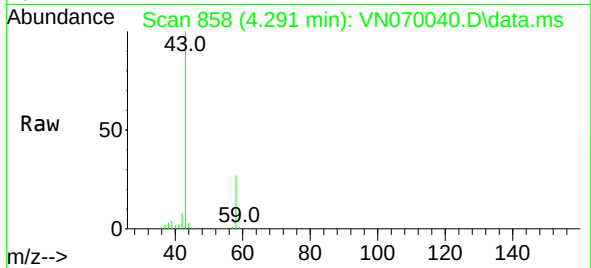




#15
Acetone
Concen: 560.138 ug/l
RT: 4.291 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

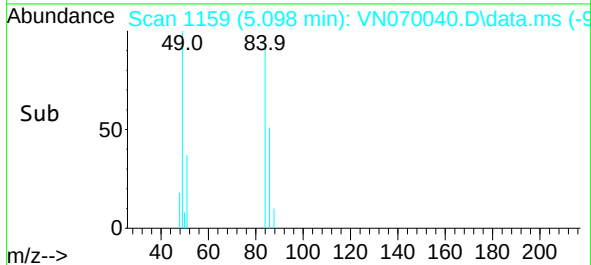
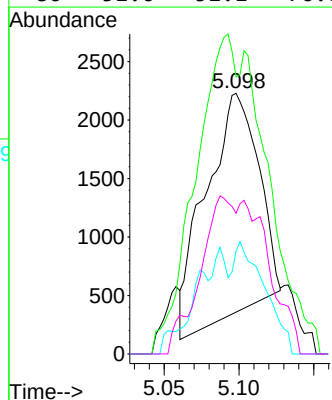
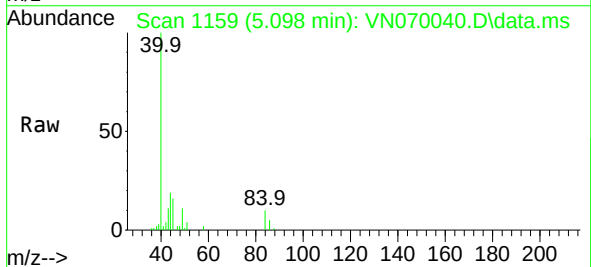
Instrument :
MSVOA_N
ClientSampleId :

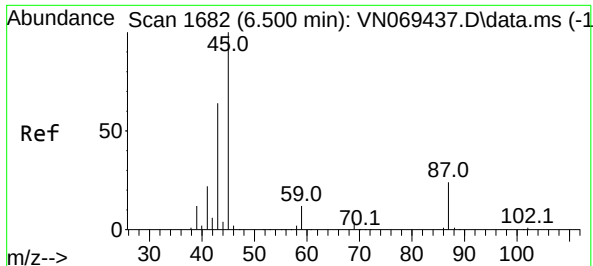
Tgt Ion: 58 Resp: 1318697
Ion Ratio Lower Upper
58 100
43 370.7 256.6 384.8



#18
Methylene Chloride
Concen: 0.420 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.000 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

Tgt Ion: 84 Resp: 4617
Ion Ratio Lower Upper
84 100
49 94.9 91.4 137.0
51 39.5 29.4 44.0
86 51.6 51.1 76.7





#20

Diisopropyl ether

Concen: 0.354 ug/l

RT: 6.495 min Scan# 1

Delta R.T. -0.003 min

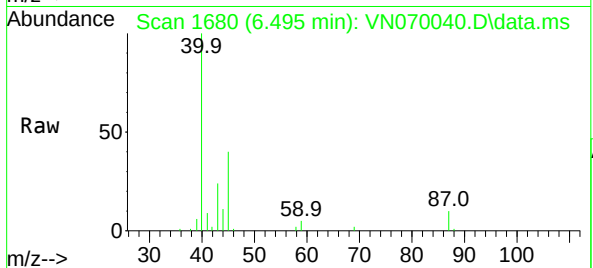
Lab File: VN070040.D

Acq: 13 Dec 2021 18:36

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 45 Resp: 13911

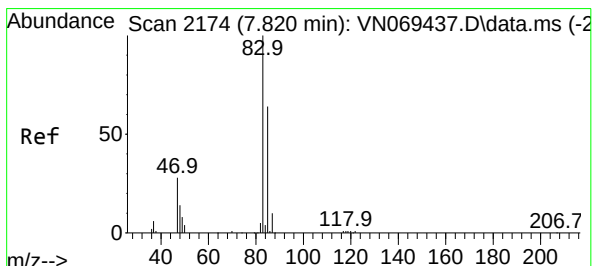
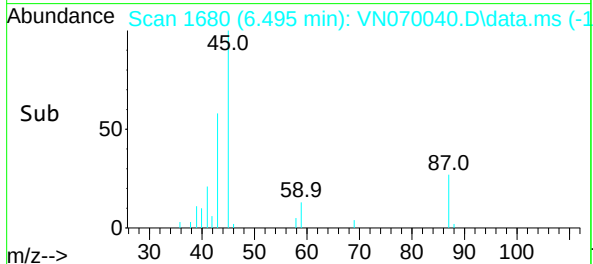
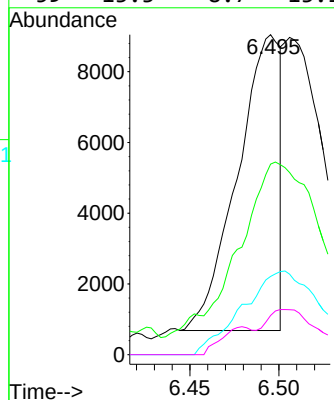
Ion Ratio Lower Upper

45 100

43 55.8 51.0 76.4

87 26.5 25.0 37.4

59 13.3 8.7 13.1#



#25

Chloroform

Concen: 1.672 ug/l

RT: 7.823 min Scan# 2175

Delta R.T. 0.005 min

Lab File: VN070040.D

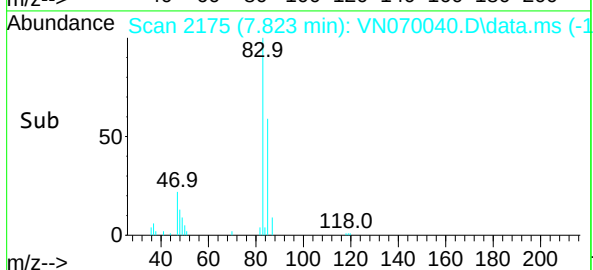
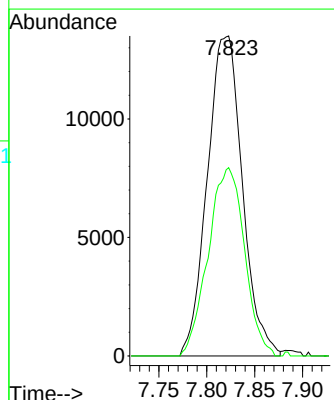
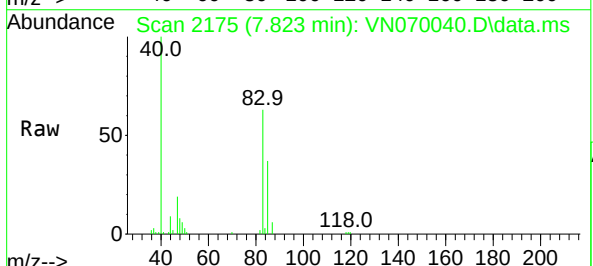
Acq: 13 Dec 2021 18:36

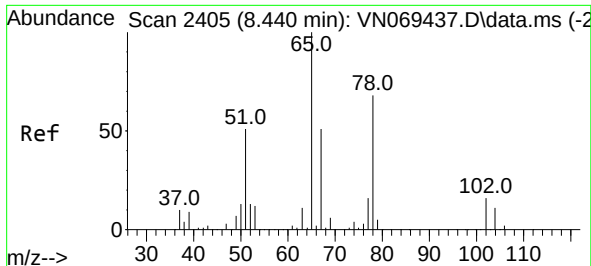
Tgt Ion: 83 Resp: 34399

Ion Ratio Lower Upper

83 100

85 58.9 51.3 76.9





#27

1,2-Dichloroethane-d4

Concen: 30.681 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.000 min

Lab File: VN070040.D

Acq: 13 Dec 2021 18:36

Instrument :

MSVOA_N

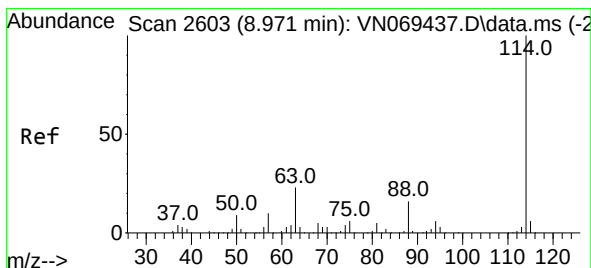
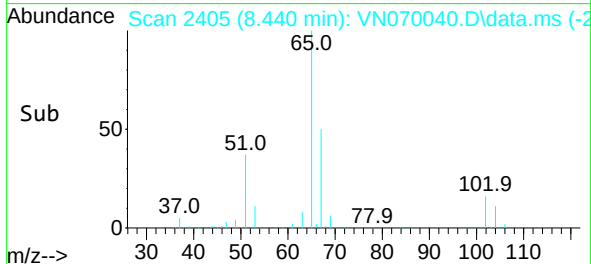
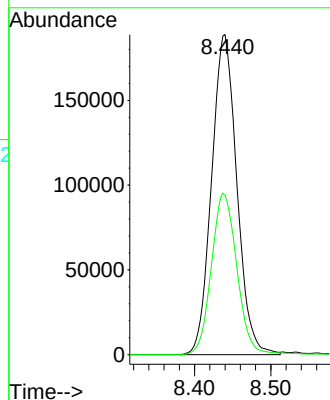
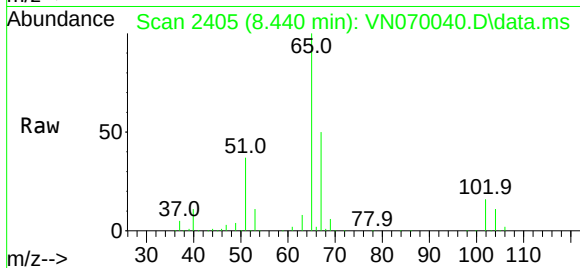
ClientSampleId :

Tgt Ion: 65 Resp: 434761

Ion Ratio Lower Upper

65 100

67 50.6 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070040.D

Acq: 13 Dec 2021 18:36

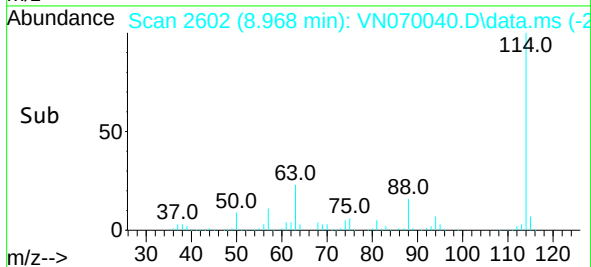
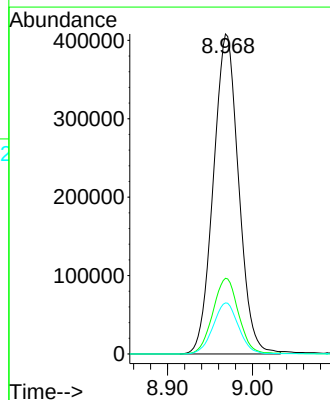
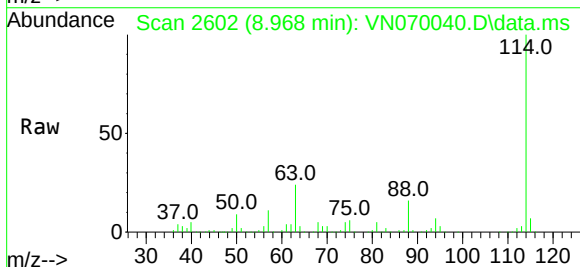
Tgt Ion: 114 Resp: 841932

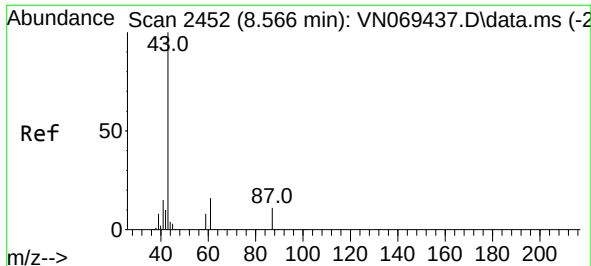
Ion Ratio Lower Upper

114 100

63 24.2 15.8 23.6

88 16.0 11.6 17.4

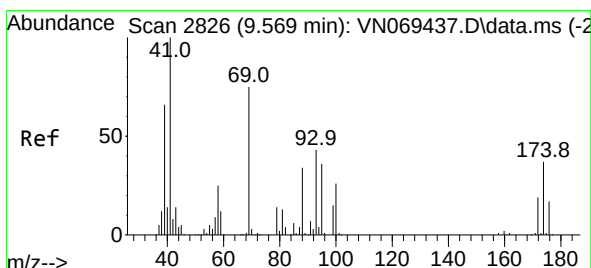
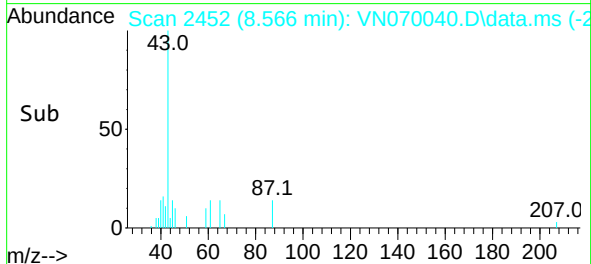
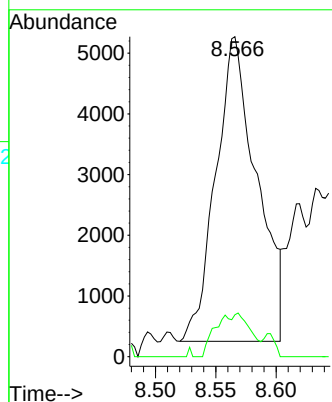
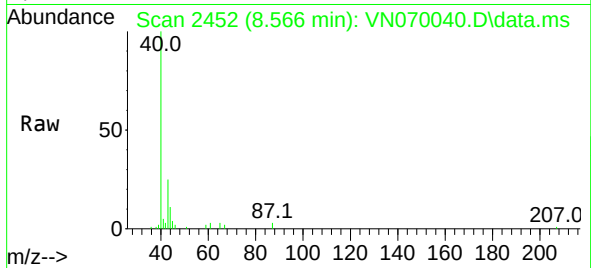




#44
Isopropyl Acetate
Concen: 0.426 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.005 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

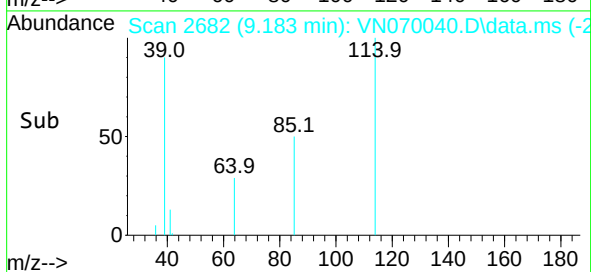
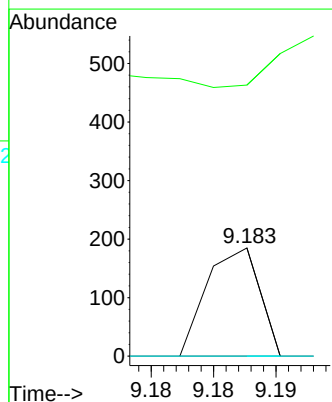
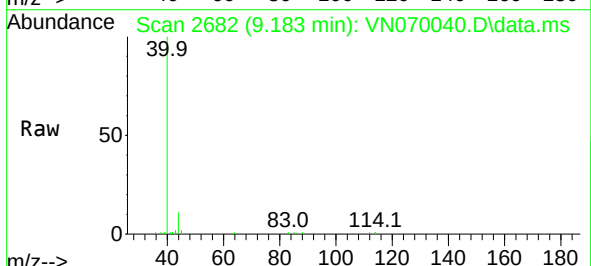
Instrument :
MSVOA_N
ClientSampleId :

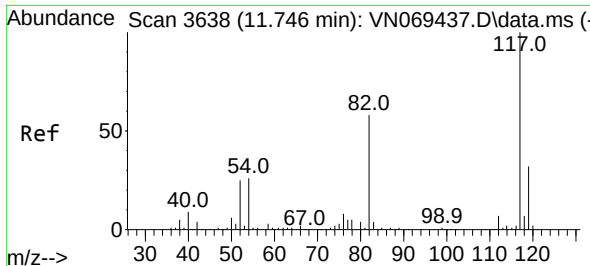
Tgt Ion: 43 Resp: 11884
Ion Ratio Lower Upper
43 100
61 3.7 20.1 30.1#



#45
1,4-Dioxane
Concen: 0.274 ug/l
RT: 9.183 min Scan# 2682
Delta R.T. -0.386 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 318.5 25.0 37.6#
58 0.0 49.4 74.2#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.744 min Scan# 3

Delta R.T. 0.000 min

Lab File: VN070040.D

Acq: 13 Dec 2021 18:36

Instrument :

MSVOA_N

ClientSampleId :

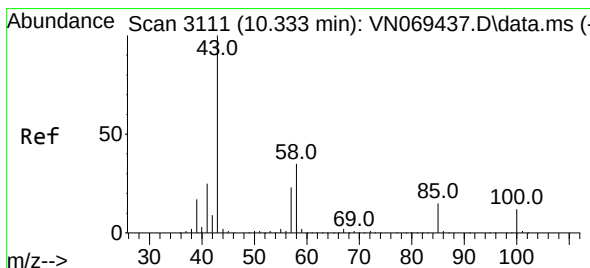
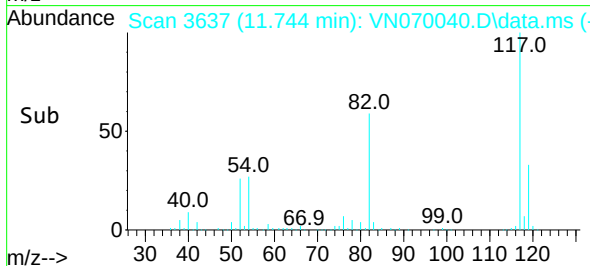
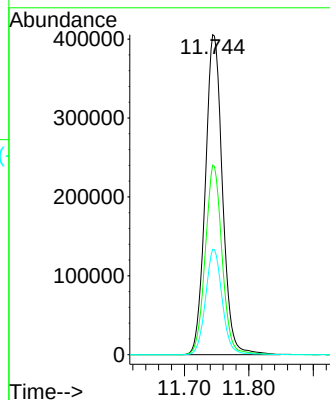
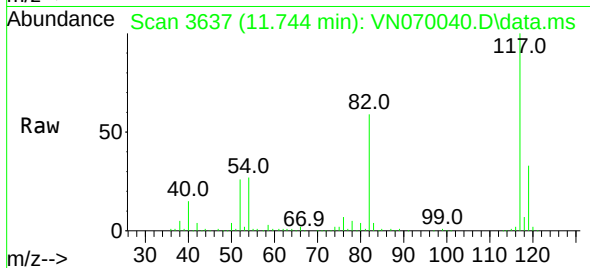
Tgt Ion:117 Resp: 749009

Ion Ratio Lower Upper

117 100

82 58.2 43.6 65.4

119 31.8 25.8 38.6



#58

4-Methyl-2-Pentanone

Concen: 1.075 ug/l

RT: 10.336 min Scan# 3112

Delta R.T. 0.005 min

Lab File: VN070040.D

Acq: 13 Dec 2021 18:36

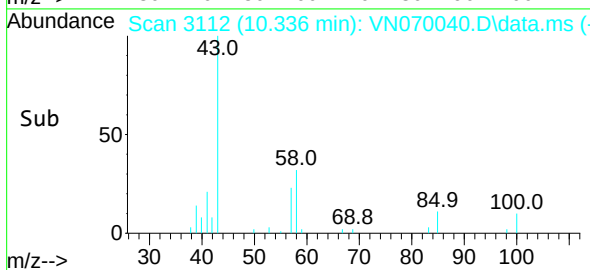
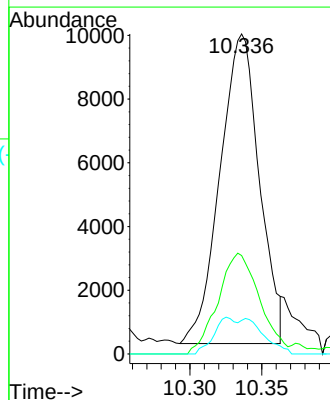
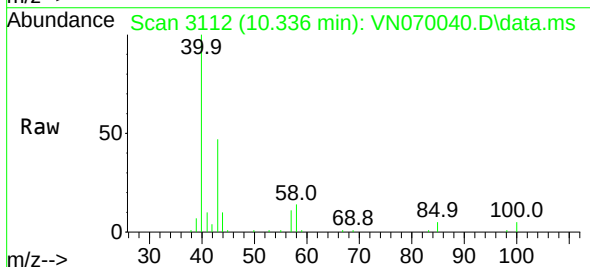
Tgt Ion: 43 Resp: 18486

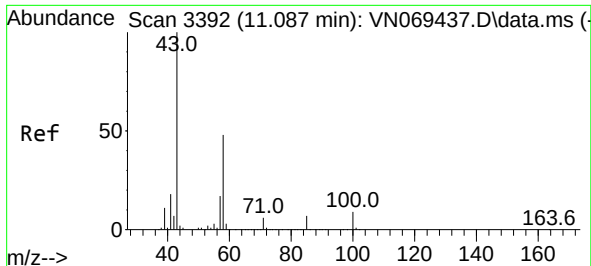
Ion Ratio Lower Upper

43 100

58 34.3 30.0 45.0

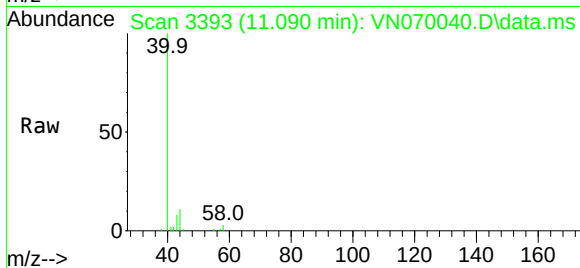
85 6.9 15.0 22.6#



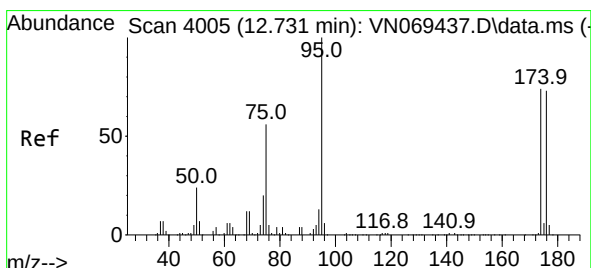
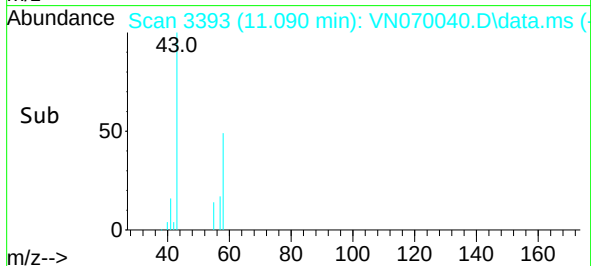
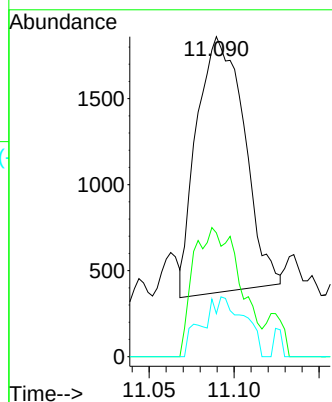


#59
2-Hexanone
Concen: 0.227 ug/l
RT: 11.090 min Scan# 31
Delta R.T. 0.005 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

Instrument :
MSVOA_N
ClientSampleId :

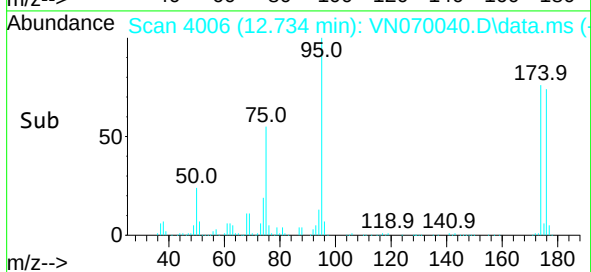
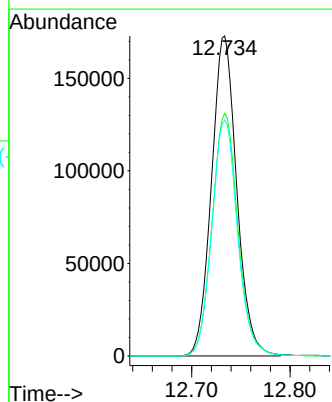
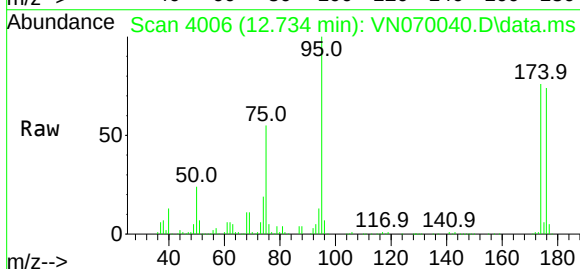


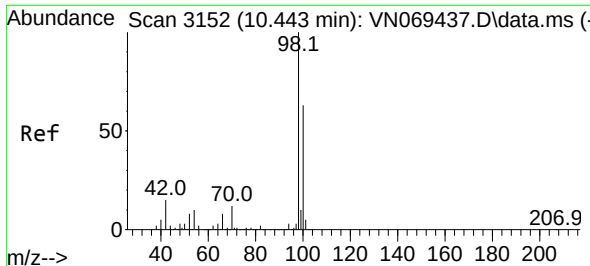
Tgt Ion: 43 Resp: 2882
Ion Ratio Lower Upper
43 100
58 0.0 42.2 63.2#
57 2.3 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 25.078 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

Tgt Ion: 95 Resp: 309085
Ion Ratio Lower Upper
95 100
174 77.4 62.9 94.3
176 75.2 61.0 91.4

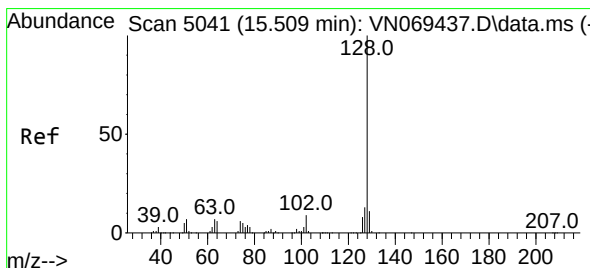
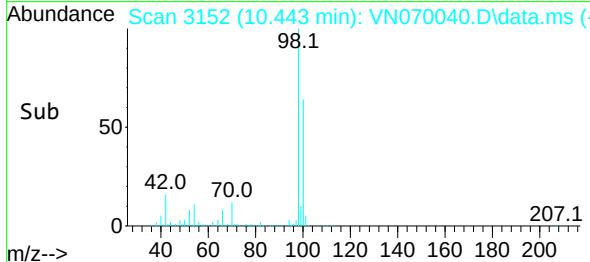
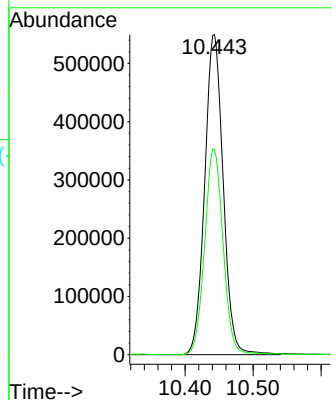
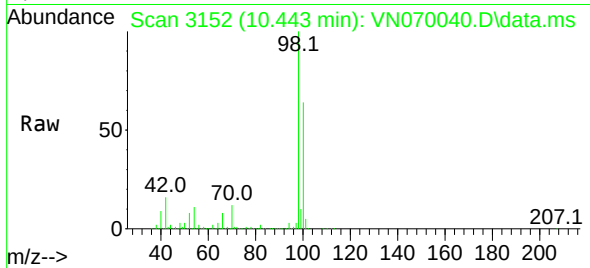




#63
Toluene-d8
Concen: 30.002 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.003 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 98 Resp: 1038467
Ion Ratio Lower Upper
98 100
100 63.9 50.6 76.0



#91
Naphthalene
Concen: 8.140 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.005 min
Lab File: VN070040.D
Acq: 13 Dec 2021 18:36

Tgt Ion:128 Resp: 3487
Ion Ratio Lower Upper
128 100
127 7.8 10.7 16.1#
129 2.4 9.0 13.6#

