

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121321\
 Data File : VN070039.D
 Acq On : 13 Dec 2021 18:11
 Operator : JC/MD
 Sample : M4929-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 14 05:28:15 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)

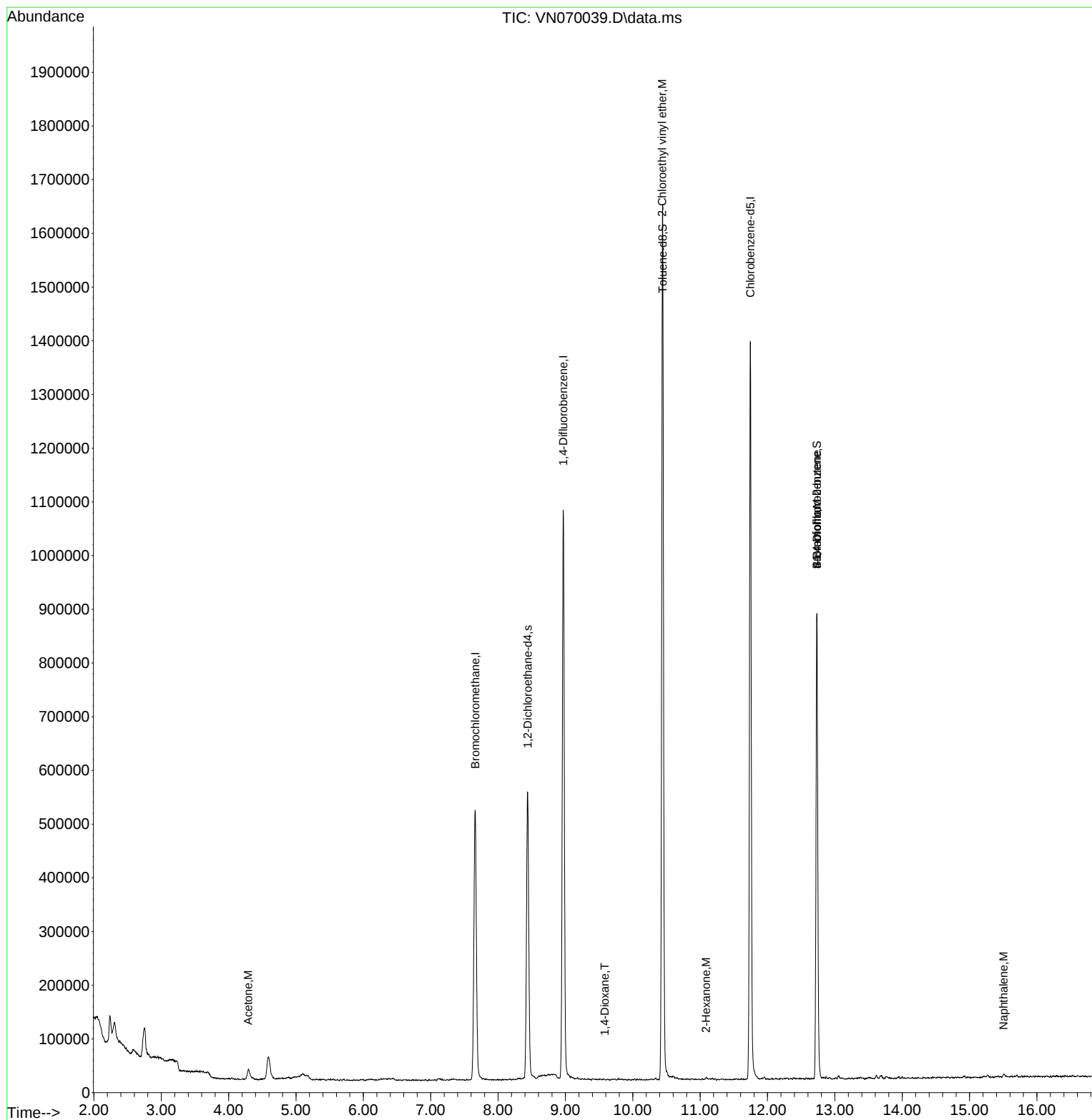
Internal Standards						
1) Bromochloromethane	7.662	128	169341	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	8.968	114	896520	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.747	117	771260	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.440	65	462745	30.835	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.800%
60) 4-Bromofluorobenzene	12.734	95	301822	23.782	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	79.267%
63) Toluene-d8	10.443	98	1096776	30.773	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.567%
Target Compounds						
15) Acetone	4.291	58	3619	1.452	ug/l	Qvalue 91
45) 1,4-Dioxane	9.585	88	52	0.247	ug/l #	4
55) 2-Chloroethyl vinyl ether	10.438	63	770	0.225	ug/l #	1
56) Bromoform	12.734	173	2183	0.234	ug/l #	1
59) 2-Hexanone	11.087	43	3429	0.262	ug/l #	43
77) t-1,4-Dichloro-2-butene	12.734	75	170437	37.132	ug/l #	8
91) Naphthalene	15.504	128	2881	8.117	ug/l #	82

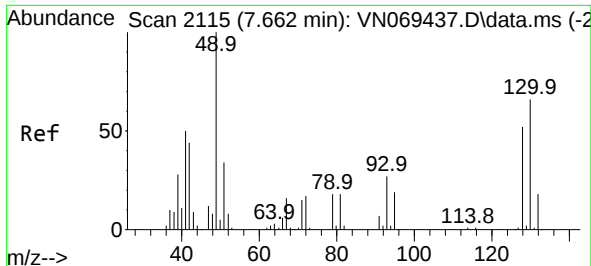
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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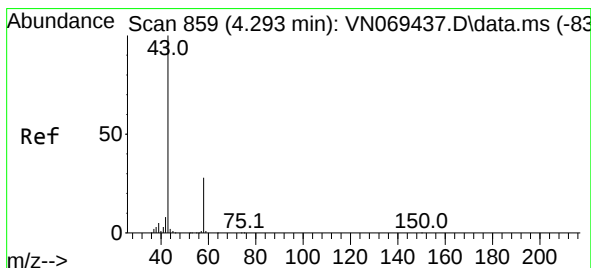
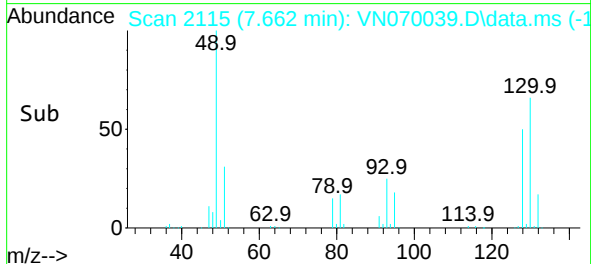
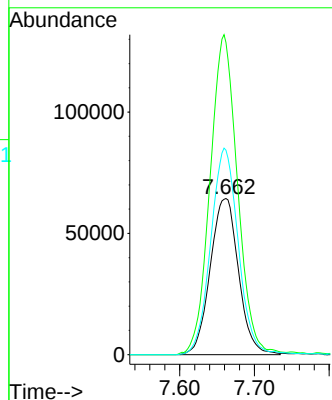
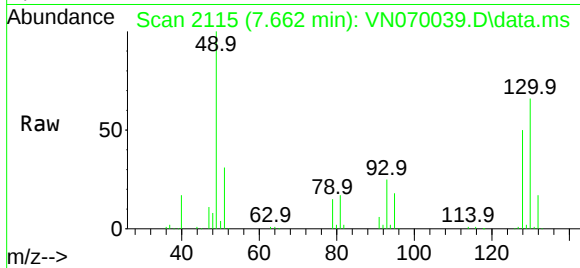




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.662 min Scan# 2115
Delta R.T. 0.005 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

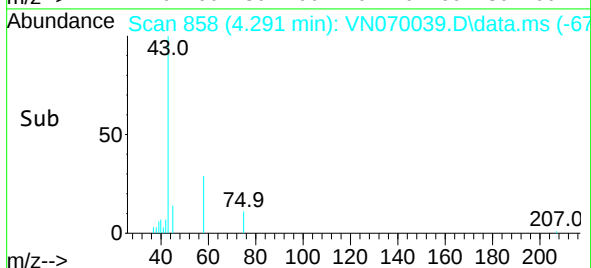
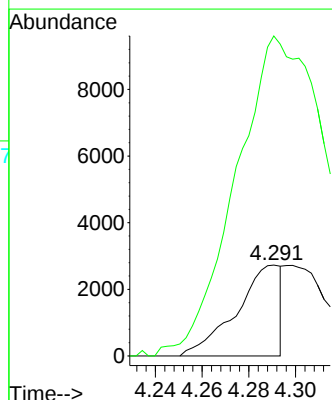
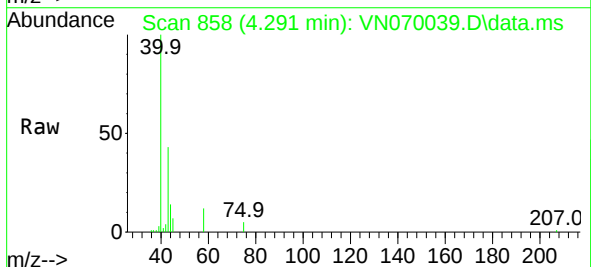
Instrument :
MSVOA_N
ClientSampleId :

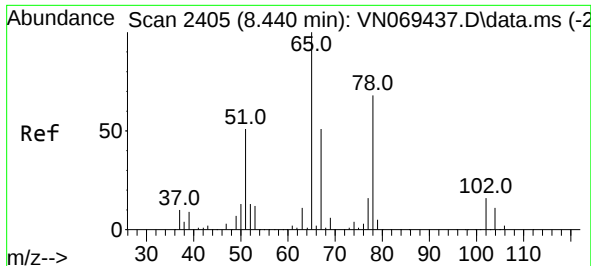
Tgt Ion:128 Resp: 169341
Ion Ratio Lower Upper
128 100
49 197.4 0.0 392.3
130 127.9 0.0 320.2



#15
Acetone
Concen: 1.452 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.005 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

Tgt Ion: 58 Resp: 3619
Ion Ratio Lower Upper
58 100
43 338.8 256.6 384.8





#27

1,2-Dichloroethane-d4

Concen: 30.835 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VN070039.D

Acq: 13 Dec 2021 18:11

Instrument :

MSVOA_N

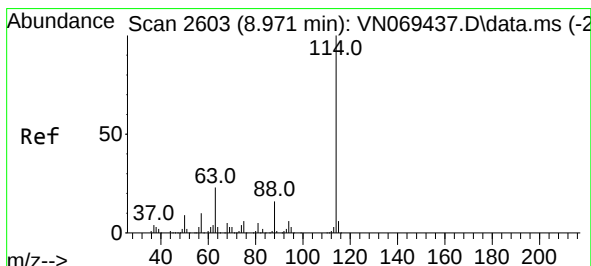
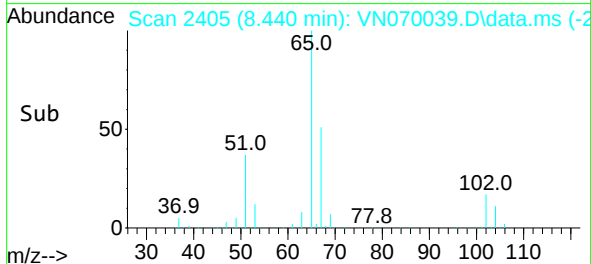
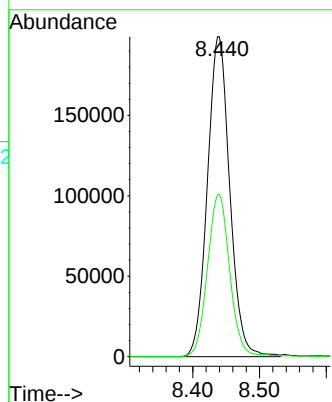
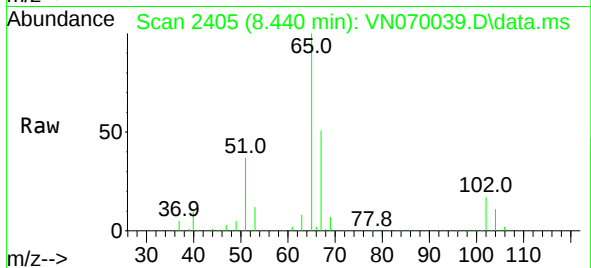
ClientSampleId :

Tgt Ion: 65 Resp: 462745

Ion Ratio Lower Upper

65 100

67 50.2 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: VN070039.D

Acq: 13 Dec 2021 18:11

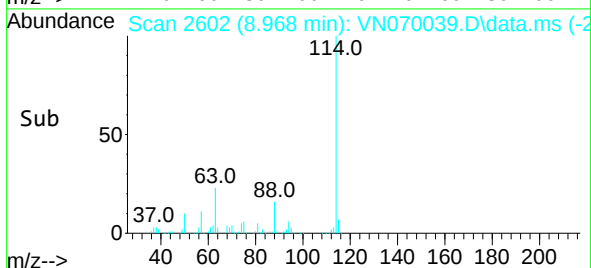
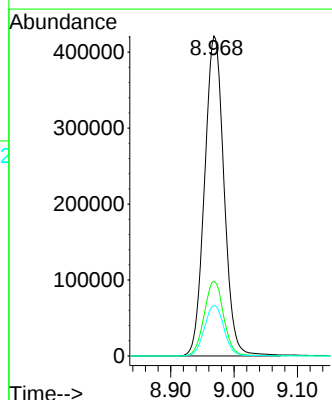
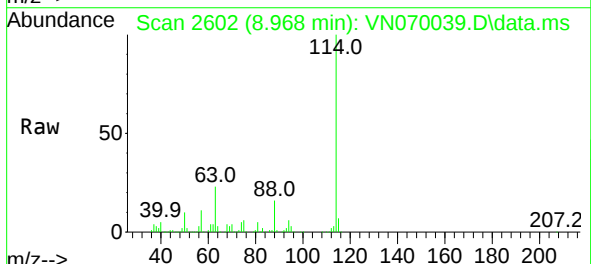
Tgt Ion: 114 Resp: 896520

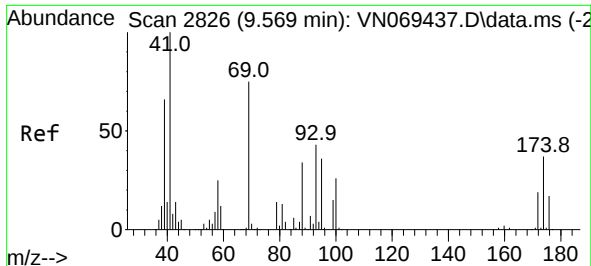
Ion Ratio Lower Upper

114 100

63 23.5 15.8 23.6

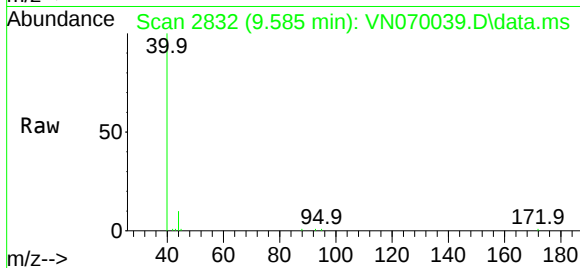
88 15.9 11.6 17.4



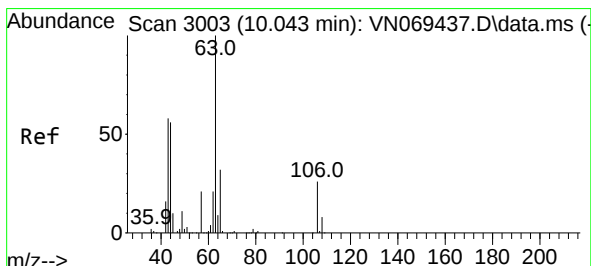
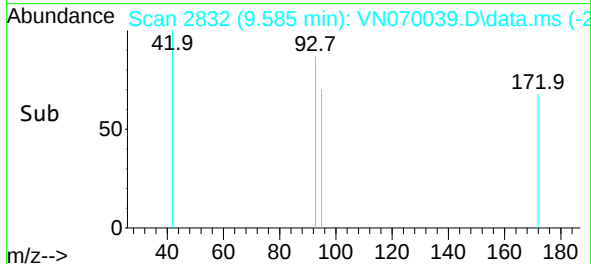
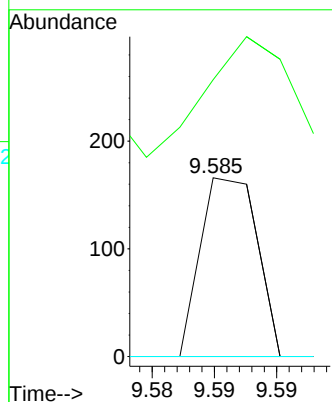


#45
1,4-Dioxane
Concen: 0.247 ug/l
RT: 9.585 min Scan# 21
Delta R.T. 0.016 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

Instrument :
MSVOA_N
ClientSampleId :

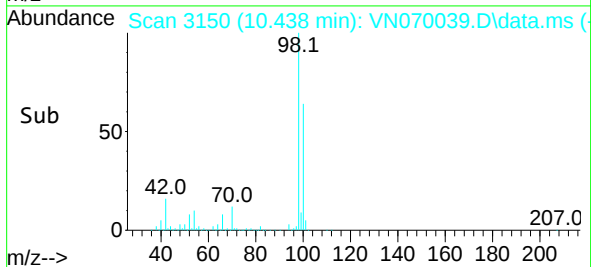
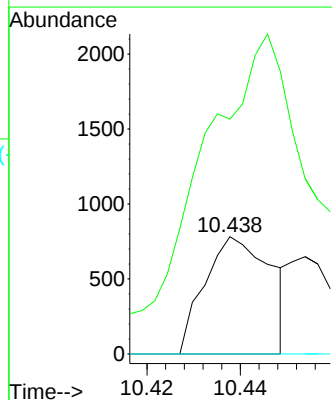
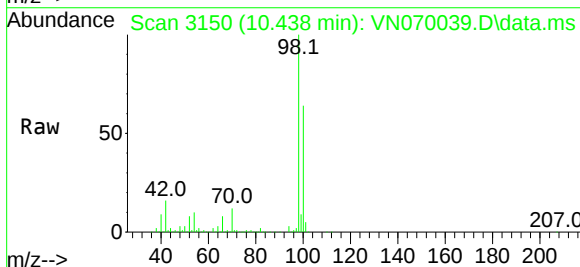


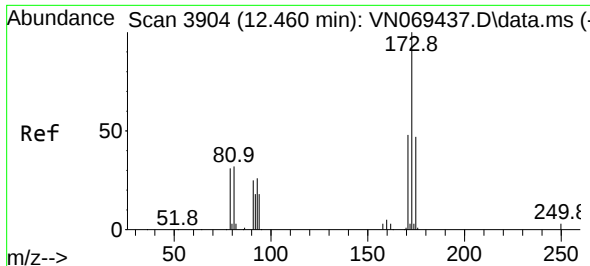
Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 101.9 25.0 37.6#
58 0.0 49.4 74.2#



#55
2-Chloroethyl vinyl ether
Concen: 0.225 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. 0.397 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

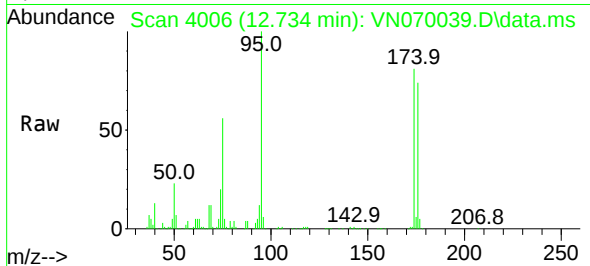
Tgt Ion: 63 Resp: 770
Ion Ratio Lower Upper
63 100
65 476.2 25.4 38.0#
106 0.0 23.2 34.8#



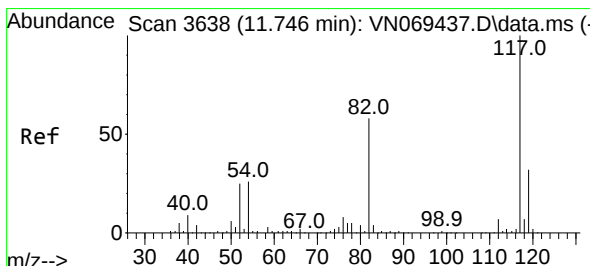
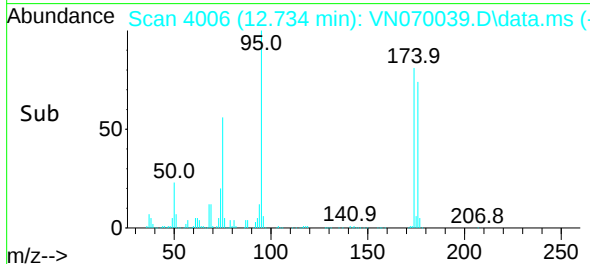
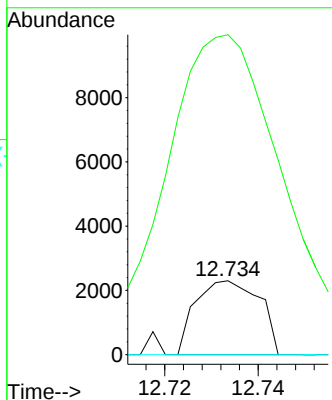


#56
Bromoform
Concen: 0.234 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.276 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

Instrument :
MSVOA_N
ClientSampleId :

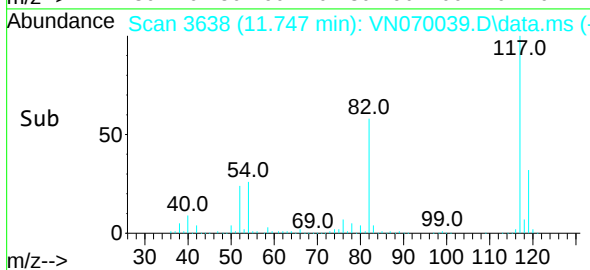
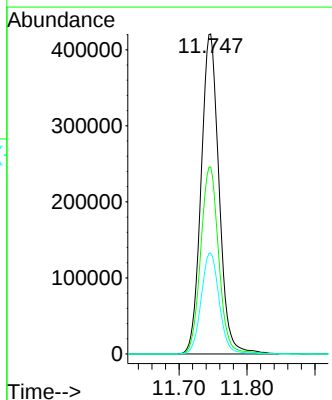
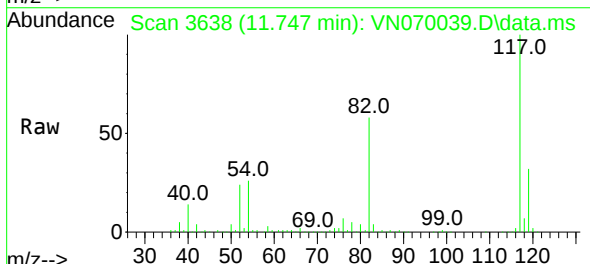


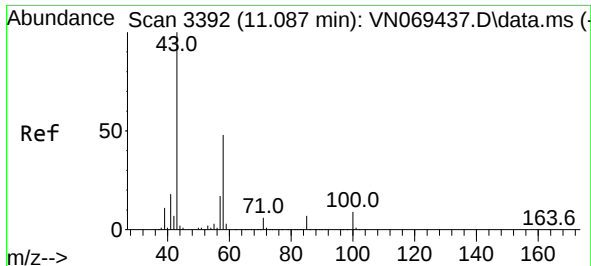
Tgt Ion:173 Resp: 2183
Ion Ratio Lower Upper
173 100
175 826.7 38.6 58.0#
254 0.0 0.0 0.0



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.003 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

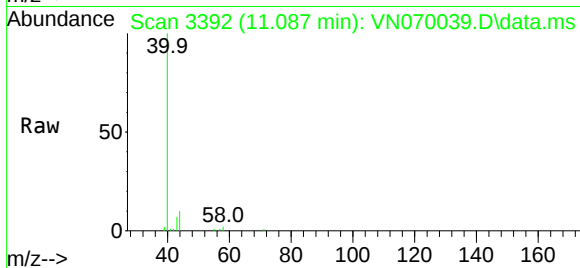
Tgt Ion:117 Resp: 771260
Ion Ratio Lower Upper
117 100
82 58.9 43.6 65.4
119 31.8 25.8 38.6



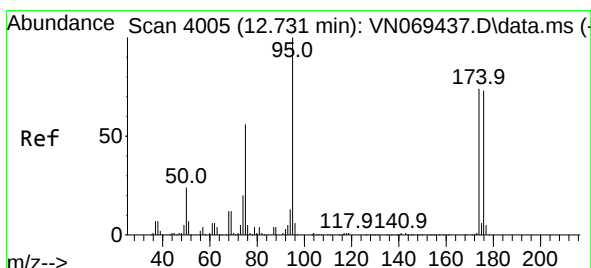
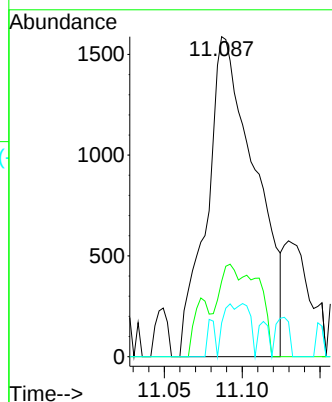
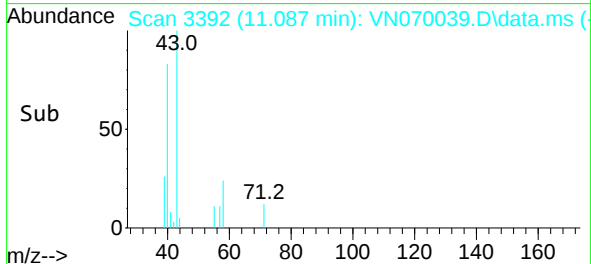


#59
2-Hexanone
Concen: 0.262 ug/l
RT: 11.087 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

Instrument :
MSVOA_N
ClientSampleId :

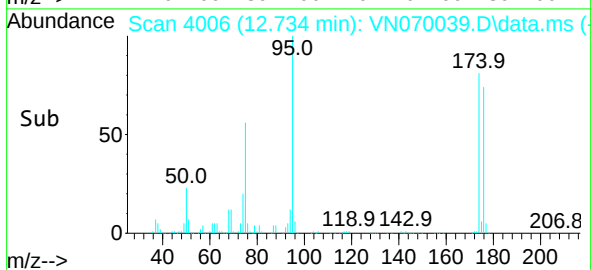
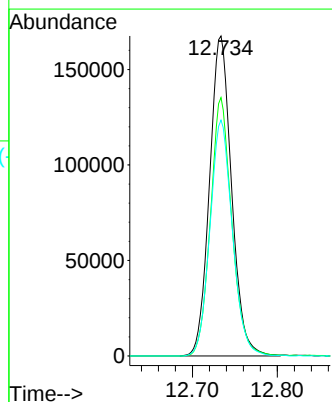
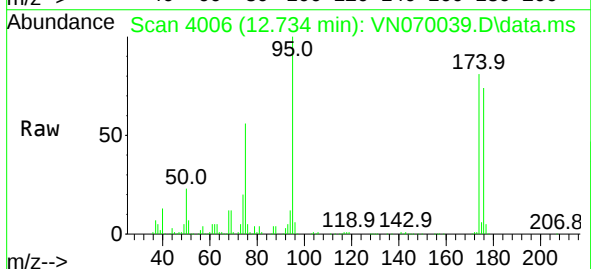


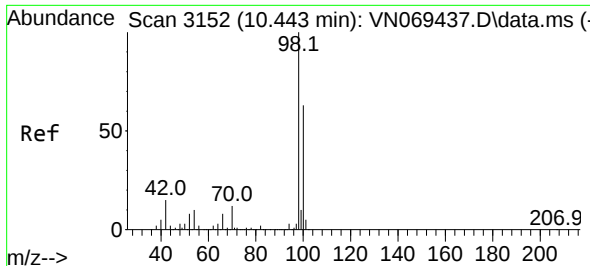
Tgt Ion: 43 Resp: 3429
Ion Ratio Lower Upper
43 100
58 6.1 42.2 63.2#
57 4.2 15.0 22.4#



#60
4-Bromofluorobenzene
Concen: 23.782 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

Tgt Ion: 95 Resp: 301822
Ion Ratio Lower Upper
95 100
174 78.5 62.9 94.3
176 74.7 61.0 91.4

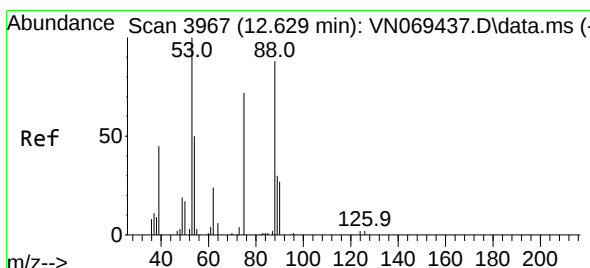
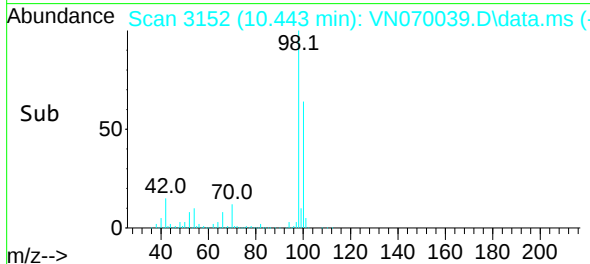
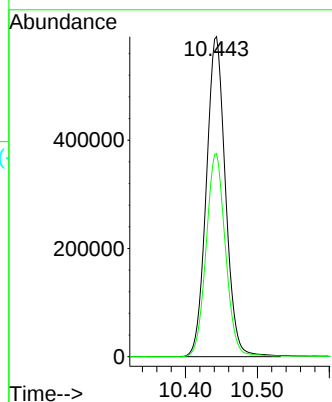
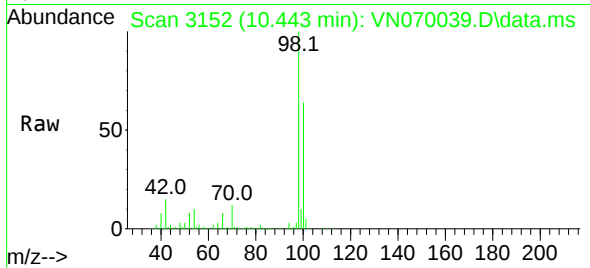




#63
Toluene-d8
Concen: 30.773 ug/l
RT: 10.443 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

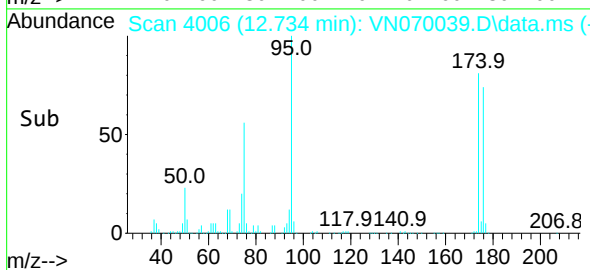
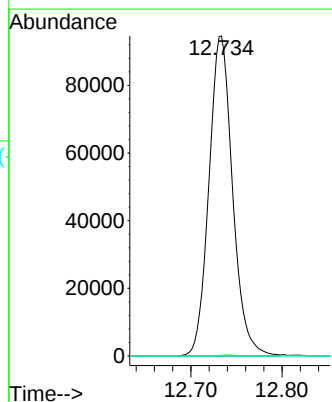
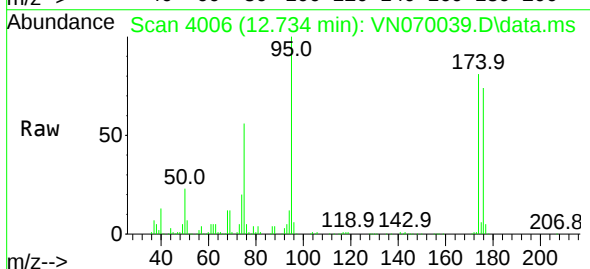
Instrument :
MSVOA_N
ClientSampleId :

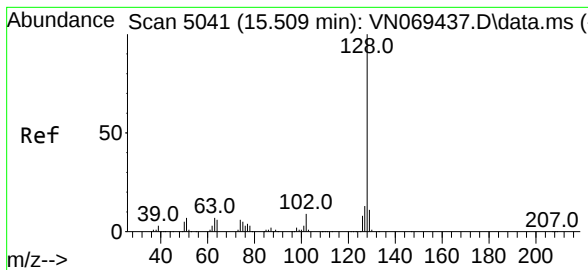
Tgt Ion: 98 Resp: 1096776
Ion Ratio Lower Upper
98 100
100 63.6 50.6 76.0



#77
t-1,4-Dichloro-2-butene
Concen: 37.132 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.110 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

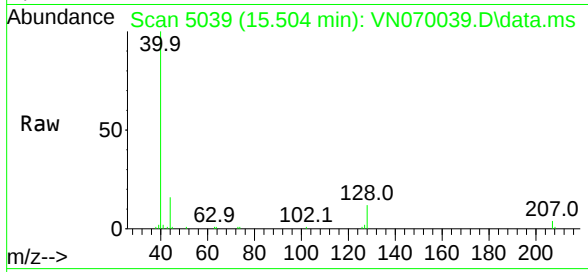
Tgt Ion: 75 Resp: 170437
Ion Ratio Lower Upper
75 100
53 0.2 51.8 155.5#
89 0.0 22.9 68.7#





#91
Naphthalene
Concen: 8.117 ug/l
RT: 15.504 min Scan# 5041
Delta R.T. 0.000 min
Lab File: VN070039.D
Acq: 13 Dec 2021 18:11

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128 Resp: 2881
Ion Ratio Lower Upper
128 100
127 23.0 10.7 16.1#
129 7.0 9.0 13.6#

